

Cover Page

Order ID : Q1539

Project ID : Ft Meade Tipton Airfield Parcel RI - PO 0111169

Client : Weston Solutions

Lab Sample Number

Q1539-01
Q1539-02
Q1539-03
Q1539-04

Client Sample Number

TAPIAL3-MW03D-031025-00-T1
TAPFTA-MW01I-031025-00-T2
TAP-TB-03-031025
TAP-TB-04-031025-T2

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: 3/24/2025

NYDOH CERTIFICATION NO - 11376

NJDEP CERTIFICATION NO - 20012

CASE NARRATIVE

Weston Solutions

Project Name: Ft Meade Tipton Airfield Parcel RI - PO 0111169

Project # N/A

Chemtech Project # Q1539

Test Name: SVOC-TCL BNA -20

A. Number of Samples and Date of Receipt:

4 Water samples were received on 03/11/2025.

B. Parameters

According to the Chain of Custody document, the following analyses were requested: Ammonia, Anions Group5, Diesel Range Organics, Gasoline Range Organics, Hardness, Total, Hexavalent Chromium, Mercury, Metals ICP-TAL, METALS-TAL, Oil and Grease, PESTICIDE Group1, SVOC-TCL BNA -20, TOC and VOC-TCLVOA-10. 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 3510.

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 RPD met criteria .

The Blank Spike for {PB167097BS} with File ID: BF141941.D met requirements for all samples except for 4-Chloroaniline[31%], Hexachlorocyclopentadiene[170%] but no positive hits in associated samples therefore no corrective action taken.

The Blank Spike Duplicate for {PB167097BSD} with File ID: BF141942.D met requirements for all samples except for Hexachlorocyclopentadiene[160%] but no positive hit in associated samples therefore no corrective action taken.

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

The % RSD is greater than 20% in the Initial Calibration (8270-BF031025.M) for 2,4-Dinitrophenol , this compound is passing on Linear Regression.

The Continuous Calibration met the requirements .



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

The Tuning criteria met requirements.

E. Additional Comments:

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

The not QT review data is reported in the Miscellaneous.

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. Calculation for Concentration in Water Samples:

$$\text{Concentration ug/L} = \frac{(A_x) (I_s) (V_t) (DF) (GPC)}{(A_{is}) (RRF) (V_o) (V_i)}$$

Where,

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

A_{is} = Area of the characteristic ion for the internal standard.

I_s = Amount of internal standard injected in ng.

V_o = Volume of water extracted in mL.

V_i = Volume of extract injected in uL.

V_t = Volume of the concentrated extract in uL

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

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

G. 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

ALLIANCE 284 Sheffield Street, Mountainside New Jersey 07092

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

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

CHEMTECH PROJECT NUMBER: Q1539

MATRIX: Water

METHOD: 8270E/3510

		NA	NO	YES
1.	Chromatograms Labeled/Compounds Identified. (Field samples and Method Blanks)			✓
2.	GC/MS Tuning Specifications. DFTPP Meet Criteria. (NOTE THAT THERE ARE DIFFERENT CRITERIA FOR NY ASP CLP, CLP AND NJ)			✓
3.	GC/MS Tuning Frequency - Performed every 24 hours for 600 series and 12 hours for 8000 Series.			✓
4.	GC/MS Calibration - Initial Calibration performed within 30 days before sample analysis and continuing calibration performed within 24 hours of sample analysis for 600 series and 12 hours for 8000 series.			✓
5.	GC/MS Calibration Requirements.			✓
	The % RSD is greater than 20% in the Initial Calibration (8270-BF031025.M) for 2,4-Dinitrophenol , this compound is passing on Linear Regression.			
	The Continuous Calibration met the requirements .			
6.	Blank Contamination - If yes, list compounds and concentrations in each blank:		✓	
7.	Surrogate Recoveries Meet Criteria			✓
	If not met, list those compounds and their recoveries which fall outside the acceptable ranges.			
8.	Matrix Spike/Matrix Spike Duplicate Recoveries Meet Criteria		✓	
	If not met, list those compounds and their recoveries which fall outside the acceptable range.			
	The Blank Spike for {PB167097BS} with File ID: BF141941.D met requirements for all samples except for 4-Chloroaniline[31%], Hexachlorocyclopentadiene[170%] but no positive hits in associated samples therefore no corrective action taken.			
	The Blank Spike Duplicate for {PB167097BSD} with File ID: BF141942.D met requirements for all samples except for Hexachlorocyclopentadiene[160%] but no positive hit 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:

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

The not QT review data is reported in the Miscellaneous.

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 #: Q1539

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: Mohammad Ahmed

Date: 03/24/2025

LAB CHRONICLE

OrderID: Q1539	OrderDate: 3/11/2025 10:36:00 AM
Client: Weston Solutions	Project: Ft Meade Tipton Airfield Parcel RI - PO 0111169
Contact: Nathan Fretz	Location: I31,VOA Ref. #3 Water

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q1539-01	TAPIAL3-MW03D-031 025-00-T1	Water	SVOC-TCL BNA -20	8270E	03/10/25	03/12/25	03/13/25	03/11/25
Q1539-02	TAPFTA-MW01I-0310 25-00-T2	Water	SVOC-TCL BNA -20	8270E	03/10/25	03/12/25	03/13/25	03/11/25

Hit Summary Sheet SW-846

SDG No.: Q1539

Client: Weston Solutions

Sample ID	Client ID	Parameter	Concentration	C	MDL	LOD	RDL	Units
Client ID : TAPIAL3-MW03D-031025-00-T1								
Q1539-01	TAPIAL3-MW03D-0310: WATER	Acenaphthene	2.400	J	0.55	4	5	ug/L
Q1539-01	TAPIAL3-MW03D-0310: WATER	Dibenzofuran	2.600	J	0.61	4	5	ug/L
Q1539-01	TAPIAL3-MW03D-0310: WATER	Fluorene	4.400	J	0.63	4	5	ug/L
Q1539-01	TAPIAL3-MW03D-0310: WATER	Carbazole	2.200	J	0.72	4	5	ug/L
		Total Svoc :	11.60					
Q1539-01	TAPIAL3-MW03D-0310: WATER	Benzene, (1-ethyl-2-propenyl)- *	2.300	J	0		0	ug/L
Q1539-01	TAPIAL3-MW03D-0310: WATER	Benzene, (2-methyl-1-butenyl)- *	3.500	J	0		0	ug/L
Q1539-01	TAPIAL3-MW03D-0310: WATER	Benzene, 1,3-diethyl- *	5.400	J	0		0	ug/L
Q1539-01	TAPIAL3-MW03D-0310: WATER	Benzene, 1-ethenyl-4-ethyl- *	9.900	J	0		0	ug/L
Q1539-01	TAPIAL3-MW03D-0310: WATER	Benzene, 1-ethyl-3-(1-methylethy *	2.400	J	0		0	ug/L
Q1539-01	TAPIAL3-MW03D-0310: WATER	Benzene, 1-methyl-4-(1-methyl-2- *	3.600	J	0		0	ug/L
Q1539-01	TAPIAL3-MW03D-0310: WATER	Butane, 2-methoxy-2-methyl- *	110.000	J	0		0	ug/L
Q1539-01	TAPIAL3-MW03D-0310: WATER	Indane *	7.100	J	0		0	ug/L
Q1539-01	TAPIAL3-MW03D-0310: WATER	Naphthalene, 1,2,3,4-tetrahydro-1- *	4.400	J	0		0	ug/L
Q1539-01	TAPIAL3-MW03D-0310: WATER	Naphthalene, 1,2,3,4-tetrahydro-2- *	4.400	J	0		0	ug/L
Q1539-01	TAPIAL3-MW03D-0310: WATER	Naphthalene, 1,2,3,4-tetrahydro-5- *	8.300	J	0		0	ug/L
Q1539-01	TAPIAL3-MW03D-0310: WATER	Naphthalene, 1,2,3,4-tetrahydro-5- *	3.600	J	0		0	ug/L
Q1539-01	TAPIAL3-MW03D-0310: WATER	Naphthalene, 1-ethyl- *	3.100	J	0		0	ug/L
Q1539-01	TAPIAL3-MW03D-0310: WATER	unknown6.798 *	4.800	J	0		0	ug/L
Q1539-01	TAPIAL3-MW03D-0310: WATER	1,1-Biphenyl, 2-methyl- *	5.000	J	0		0	ug/L
Q1539-01	TAPIAL3-MW03D-0310: WATER	1H-Indene, 2,3-dihydro-1,1,3-trim *	7.200	J	0		0	ug/L
Q1539-01	TAPIAL3-MW03D-0310: WATER	1H-Indene, 2,3-dihydro-4,7-dimet *	3.900	J	0		0	ug/L
Q1539-01	TAPIAL3-MW03D-0310: WATER	4,4-Dimethylbiphenyl *	2.800	J	0		0	ug/L
Q1539-01	TAPIAL3-MW03D-0310: WATER	4-Indancarboxylic acid, 7-methyl- *	3.200	J	0		0	ug/L
Q1539-01	TAPIAL3-MW03D-0310: WATER	9H-Carbazole, 2-methyl- *	3.400	J	0		0	ug/L
		Total Tics :	198.30					
		Total Concentration:	209.90					
Client ID : TAPFTA-MW01I-031025-00-T2								
Q1539-02	TAPFTA-MW01I-031025 WATER	Butane, 2-methoxy-2-methyl- *	130.000	J	0		0	ug/L
Q1539-02	TAPFTA-MW01I-031025 WATER	Butoxyacetic acid *	3.000	J	0		0	ug/L
Q1539-02	TAPFTA-MW01I-031025 WATER	Ethanol, 2-butoxy- *	34.800	J	0		0	ug/L
		Total Tics :	167.80					
		Total Concentration:	167.80					



QC SUMMARY

Surrogate Summary

SW-846

SDG No.: Q1539

Client: Weston Solutions

Analytical Method: 8270E

Lab Sample ID	Client ID	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%)	
							Low	High
PB167097BL	PB167097BL	2-Fluorophenol	150	134	90		19	119
		Phenol-d6	150	130	86		10	130
		Nitrobenzene-d5	100	93.3	93		44	120
		2-Fluorobiphenyl	100	90.0	90		44	119
		2,4,6-Tribromophenol	150	154	102		43	140
		Terphenyl-d14	100	87.3	87		50	134
PB167097BS	PB167097BS	2-Fluorophenol	150	140	93		19	119
		Phenol-d6	150	137	91		10	130
		Nitrobenzene-d5	100	98.6	99		44	120
		2-Fluorobiphenyl	100	97.8	98		44	119
		2,4,6-Tribromophenol	150	160	107		43	140
		Terphenyl-d14	100	105	105		50	134
PB167097BSD	PB167097BSD	2-Fluorophenol	150	132	88		19	119
		Phenol-d6	150	129	86		10	130
		Nitrobenzene-d5	100	93.2	93		44	120
		2-Fluorobiphenyl	100	93.8	94		44	119
		2,4,6-Tribromophenol	150	151	101		43	140
		Terphenyl-d14	100	101	101		50	134
Q1539-01	TAPIAL3-MW03D-031025-00-T1	2-Fluorophenol	150	58.7	39		19	119
		Phenol-d6	150	35.4	24		10	130
		Nitrobenzene-d5	100	100	100		44	120
		2-Fluorobiphenyl	100	96.0	96		44	119
		2,4,6-Tribromophenol	150	159	106		43	140
		Terphenyl-d14	100	91.5	92		50	134
Q1539-02	TAPFTA-MW01I-031025-00-T2	2-Fluorophenol	150	73.5	49		19	119
		Phenol-d6	150	45.4	30		10	130
		Nitrobenzene-d5	100	104	104		44	120
		2-Fluorobiphenyl	100	96.7	97		44	119
		2,4,6-Tribromophenol	150	176	117		43	140
		Terphenyl-d14	100	86.4	86		50	134

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q1539

Client: Weston Solutions

Analytical Method: 8270E

DataFile: BF141941.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD	Limits		RPD
								Qual	Low	High	
PB167097BS	Benzaldehyde	50	22.6	ug/L	45				10	161	
	Phenol	50	45.8	ug/L	92				10	132	
	bis(2-Chloroethyl)ether	50	45.5	ug/L	91				43	118	
	2-Chlorophenol	50	46.9	ug/L	94				38	117	
	2-Methylphenol	50	46.7	ug/L	93				30	117	
	2,2-oxybis(1-Chloropropane)	50	42.7	ug/L	85				37	130	
	Acetophenone	50	49.7	ug/L	99				46	118	
	3+4-Methylphenols	50	46.3	ug/L	93				29	110	
	N-Nitroso-di-n-propylamine	50	43.3	ug/L	87				49	119	
	Hexachloroethane	50	45.2	ug/L	90				21	115	
	Nitrobenzene	50	45.9	ug/L	92				45	121	
	Isophorone	50	47.4	ug/L	95				42	124	
	2-Nitrophenol	50	47.5	ug/L	95				47	123	
	2,4-Dimethylphenol	50	57.6	ug/L	115				31	124	
	bis(2-Chloroethoxy)methane	50	44.5	ug/L	89				48	120	
	2,4-Dichlorophenol	50	46.1	ug/L	92				47	121	
	Naphthalene	50	44.4	ug/L	89				40	121	
	4-Chloroaniline	50	15.7	ug/L	31		*		33	117	
	Hexachlorobutadiene	50	46.5	ug/L	93				22	124	
	Caprolactam	50	49.7	ug/L	99				10	161	
	4-Chloro-3-methylphenol	50	45.9	ug/L	92				52	119	
	2-Methylnaphthalene	50	43.0	ug/L	86				40	121	
	Hexachlorocyclopentadiene	100	170	ug/L	170		*		10	155	
	2,4,6-Trichlorophenol	50	49.2	ug/L	98				50	125	
	2,4,5-Trichlorophenol	50	45.4	ug/L	91				53	123	
	1,1-Biphenyl	50	50.3	ug/L	101				49	115	
	2-Chloronaphthalene	50	46.0	ug/L	92				40	116	
	2-Nitroaniline	50	47.3	ug/L	95				55	127	
	Dimethylphthalate	50	45.9	ug/L	92				45	127	
	Acenaphthylene	50	48.5	ug/L	97				41	130	
	2,6-Dinitrotoluene	50	46.7	ug/L	93				57	124	
	3-Nitroaniline	50	25.5	ug/L	51				41	128	
	Acenaphthene	50	52.0	ug/L	104				47	122	
	2,4-Dinitrophenol	100	99.2	ug/L	99				23	143	
	4-Nitrophenol	100	100	ug/L	100				10	161	
	Dibenzofuran	50	44.1	ug/L	88				53	118	
	2,4-Dinitrotoluene	50	49.7	ug/L	99				57	128	
	Diethylphthalate	50	44.9	ug/L	90				56	125	
	4-Chlorophenyl-phenylether	50	46.2	ug/L	92				53	121	
	Fluorene	50	46.3	ug/L	93				52	124	
	4-Nitroaniline	50	46.7	ug/L	93				35	120	
	4,6-Dinitro-2-methylphenol	50	51.0	ug/L	102				44	137	
	N-Nitrosodiphenylamine	50	46.9	ug/L	94				51	123	
	4-Bromophenyl-phenylether	50	46.4	ug/L	93				55	124	

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q1539

Client: Weston Solutions

Analytical Method: 8270E

DataFile: BF141941.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD		Limits	
								Qual	Low	High	RPD
PB167097BS	Hexachlorobenzene	50	48.3	ug/L	97				53	125	
	Atrazine	50	61.7	ug/L	123				44	142	
	Pentachlorophenol	100	99.9	ug/L	100				35	138	
	Phenanthrene	50	47.0	ug/L	94				59	120	
	Anthracene	50	48.1	ug/L	96				57	123	
	Carbazole	50	46.9	ug/L	94				60	122	
	Di-n-butylphthalate	50	45.2	ug/L	90				59	127	
	Fluoranthene	50	45.9	ug/L	92				57	128	
	Pyrene	50	46.8	ug/L	94				57	126	
	Butylbenzylphthalate	50	46.0	ug/L	92				53	134	
	3,3-Dichlorobenzidine	50	28.2	ug/L	56				27	129	
	Benzo(a)anthracene	50	47.2	ug/L	94				58	125	
	Chrysene	50	46.3	ug/L	93				59	123	
	bis(2-Ethylhexyl)phthalate	50	44.5	ug/L	89				55	135	
	Di-n-octyl phthalate	50	45.1	ug/L	90				51	140	
	Benzo(b)fluoranthene	50	46.3	ug/L	93				53	131	
	Benzo(k)fluoranthene	50	43.3	ug/L	87				57	129	
	Benzo(a)pyrene	50	50.1	ug/L	100				54	128	
	Indeno(1,2,3-cd)pyrene	50	51.2	ug/L	102				52	134	
	Dibenz(a,h)anthracene	50	50.8	ug/L	102				51	134	
	Benzo(g,h,i)perylene	50	48.0	ug/L	96				50	134	
	1,2,4,5-Tetrachlorobenzene	50	50.8	ug/L	102				35	121	
	1,4-Dioxane	50	43.6	ug/L	87				70	130	
	2,3,4,6-Tetrachlorophenol	50	46.3	ug/L	93				50	128	

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q1539

Client: Weston Solutions

Analytical Method: 8270E

DataFile: BF141942.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	RPD		Limits		RPD
							Qual	Qual	Low	High	
PB167097BSD	Benzaldehyde	50	21.2	ug/L	42	6			10	161	20
	Phenol	50	43.0	ug/L	86	6			10	132	20
	bis(2-Chloroethyl)ether	50	42.8	ug/L	86	6			43	118	20
	2-Chlorophenol	50	44.2	ug/L	88	6			38	117	20
	2-Methylphenol	50	44.5	ug/L	89	5			30	117	20
	2,2-oxybis(1-Chloropropane)	50	40.4	ug/L	81	6			37	130	20
	Acetophenone	50	47.2	ug/L	94	5			46	118	20
	3+4-Methylphenols	50	44.0	ug/L	88	5			29	110	20
	N-Nitroso-di-n-propylamine	50	41.0	ug/L	82	5			49	119	20
	Hexachloroethane	50	42.7	ug/L	85	6			21	115	20
	Nitrobenzene	50	43.6	ug/L	87	5			45	121	20
	Isophorone	50	45.2	ug/L	90	5			42	124	20
	2-Nitrophenol	50	45.9	ug/L	92	3			47	123	20
	2,4-Dimethylphenol	50	54.8	ug/L	110	5			31	124	20
	bis(2-Chloroethoxy)methane	50	42.7	ug/L	85	4			48	120	20
	2,4-Dichlorophenol	50	43.8	ug/L	88	5			47	121	20
	Naphthalene	50	42.1	ug/L	84	5			40	121	20
	4-Chloroaniline	50	18.2	ug/L	36	15			33	117	20
	Hexachlorobutadiene	50	44.1	ug/L	88	5			22	124	20
	Caprolactam	50	48.9	ug/L	98	2			10	161	20
	4-Chloro-3-methylphenol	50	43.1	ug/L	86	6			52	119	20
	2-Methylnaphthalene	50	41.5	ug/L	83	4			40	121	20
	Hexachlorocyclopentadiene	100	160	ug/L	160	6	*		10	155	20
	2,4,6-Trichlorophenol	50	45.1	ug/L	90	9			50	125	20
	2,4,5-Trichlorophenol	50	45.7	ug/L	91	1			53	123	20
	1,1-Biphenyl	50	48.0	ug/L	96	5			49	115	20
	2-Chloronaphthalene	50	43.7	ug/L	87	5			40	116	20
	2-Nitroaniline	50	45.2	ug/L	90	5			55	127	20
	Dimethylphthalate	50	42.5	ug/L	85	8			45	127	20
	Acenaphthylene	50	46.1	ug/L	92	5			41	130	20
	2,6-Dinitrotoluene	50	45.0	ug/L	90	4			57	124	20
	3-Nitroaniline	50	26.8	ug/L	54	5			41	128	20
	Acenaphthene	50	49.6	ug/L	99	5			47	122	20
	2,4-Dinitrophenol	100	95.0	ug/L	95	4			23	143	20
	4-Nitrophenol	100	97.3	ug/L	97	3			10	161	20
	Dibenzofuran	50	42.0	ug/L	84	5			53	118	20
	2,4-Dinitrotoluene	50	47.0	ug/L	94	6			57	128	20
	Diethylphthalate	50	42.7	ug/L	85	5			56	125	20
	4-Chlorophenyl-phenylether	50	43.6	ug/L	87	6			53	121	20
	Fluorene	50	43.5	ug/L	87	6			52	124	20
	4-Nitroaniline	50	44.2	ug/L	88	6			35	120	20
	4,6-Dinitro-2-methylphenol	50	49.9	ug/L	100	2			44	137	20
	N-Nitrosodiphenylamine	50	44.8	ug/L	90	5			51	123	20
	4-Bromophenyl-phenylether	50	44.3	ug/L	89	5			55	124	20

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q1539

Client: Weston Solutions

Analytical Method: 8270E

DataFile: BF141942.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	RPD		Limits		RPD
							Qual	Qual	Low	High	
PB167097BSD	Hexachlorobenzene	50	47.0	ug/L	94	3			53	125	20
	Atrazine	50	59.1	ug/L	118	4			44	142	20
	Pentachlorophenol	100	95.6	ug/L	96	4			35	138	20
	Phenanthrene	50	45.0	ug/L	90	4			59	120	20
	Anthracene	50	45.8	ug/L	92	5			57	123	20
	Carbazole	50	44.5	ug/L	89	5			60	122	20
	Di-n-butylphthalate	50	43.1	ug/L	86	5			59	127	20
	Fluoranthene	50	43.3	ug/L	87	6			57	128	20
	Pyrene	50	44.7	ug/L	89	5			57	126	20
	Butylbenzylphthalate	50	43.7	ug/L	87	5			53	134	20
	3,3-Dichlorobenzidine	50	29.8	ug/L	60	6			27	129	20
	Benzo(a)anthracene	50	46.3	ug/L	93	2			58	125	20
	Chrysene	50	44.3	ug/L	89	4			59	123	20
	bis(2-Ethylhexyl)phthalate	50	42.4	ug/L	85	5			55	135	20
	Di-n-octyl phthalate	50	43.5	ug/L	87	4			51	140	20
	Benzo(b)fluoranthene	50	39.4	ug/L	79	16			53	131	20
	Benzo(k)fluoranthene	50	45.8	ug/L	92	6			57	129	20
	Benzo(a)pyrene	50	47.3	ug/L	95	6			54	128	20
	Indeno(1,2,3-cd)pyrene	50	48.6	ug/L	97	5			52	134	20
	Dibenz(a,h)anthracene	50	48.6	ug/L	97	4			51	134	20
	Benzo(g,h,i)perylene	50	45.5	ug/L	91	5			50	134	20
	1,2,4,5-Tetrachlorobenzene	50	47.7	ug/L	95	6			35	121	20
	1,4-Dioxane	50	41.8	ug/L	84	4			70	130	20
	2,3,4,6-Tetrachlorophenol	50	43.9	ug/L	88	5			50	128	20

4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB167097BL

Lab Name: CHEMTECH

Contract: WEST04

Lab Code: CHEM Case No.: Q1539

SAS No.: Q1539 SDG NO.: Q1539

Lab File ID: BF141940.D

Lab Sample ID: PB167097BL

Instrument ID: BNA_F

Date Extracted: 03/12/2025

Matrix: (soil/water) Water

Date Analyzed: 03/13/2025

Level: (low/med) LOW

Time Analyzed: 12:47

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
PB167097BS	PB167097BS	BF141941.D	03/13/2025
PB167097BSD	PB167097BSD	BF141942.D	03/13/2025
TAPIAL3-MW03D-031025-00-T1	Q1539-01	BF141943.D	03/13/2025
TAPFTA-MW01I-031025-00-T2	Q1539-02	BF141944.D	03/13/2025

COMMENTS: _____



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

5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECHContract: WEST04Lab Code: CHEMSAS No.: Q1539 SDG NO.: Q1539Lab File ID: BF141896.DDFTPP Injection Date: 03/10/2025Instrument ID: BNA_FDFTPP Injection Time: 10:31

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	29.1
68	Less than 2.0% of mass 69	0.5 (1.9) 1
69	Mass 69 relative abundance	32.0
70	Less than 2.0% of mass 69	0.2 (0.7) 1
127	10.0 - 80.0% of mass 198	44.8
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	31.2
365	Greater than 1% of mass 198	4.2
441	Present, but less than mass 443	19.9
442	Greater than 50% of mass 198	100
443	15.0 - 24.0% of mass 442	19.2 (19.2) 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	BF141897.D	03/10/2025	11:01
SSTDICC005	SSTDICC005	BF141898.D	03/10/2025	11:30
SSTDICC010	SSTDICC010	BF141899.D	03/10/2025	12:00
SSTDICC020	SSTDICC020	BF141900.D	03/10/2025	12:29
SSTDICCC040	SSTDICCC040	BF141901.D	03/10/2025	12:58
SSTDICC060	SSTDICC060	BF141903.D	03/10/2025	13:57
SSTDICC080	SSTDICC080	BF141904.D	03/10/2025	14:27
SSTDICC050	SSTDICC050	BF141905.D	03/10/2025	15:20



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Fax : 908 789 8922

5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECHContract: WEST04Lab Code: CHEMSAS No.: Q1539 SDG NO.: Q1539Lab File ID: BF141938.DDFTPP Injection Date: 03/13/2025Instrument ID: BNA_FDFTPP Injection Time: 11:48

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	32.0
68	Less than 2.0% of mass 69	0.6 (1.8) 1
69	Mass 69 relative abundance	34.0
70	Less than 2.0% of mass 69	0.2 (0.6) 1
127	10.0 - 80.0% of mass 198	47.3
197	Less than 2.0% of mass 198	0.0
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	6.6
275	10.0 - 60.0% of mass 198	29.9
365	Greater than 1% of mass 198	4.1
441	Present, but less than mass 443	16.4
442	Greater than 50% of mass 198	100
443	15.0 - 24.0% of mass 442	19.1 (19.1) 2

1-Value is % mass 69

2-Value is % mass 442

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
SSTDCCC040	SSTDCCC040	BF141939.D	03/13/2025	12:17
PB167097BL	PB167097BL	BF141940.D	03/13/2025	12:47
PB167097BS	PB167097BS	BF141941.D	03/13/2025	13:17
PB167097BSD	PB167097BSD	BF141942.D	03/13/2025	13:47
TAPIAL3-MW03D-031025-00-T1	Q1539-01	BF141943.D	03/13/2025	16:14
TAPFTA-MW01I-031025-00-T2	Q1539-02	BF141944.D	03/13/2025	16:44
SSTDCCC040EC	SSTDCCC040	BF141953.D	03/13/2025	21:09

8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: Q1539 SAS No.: Q1539 SDG NO.: Q1539

EPA Sample No.: SSTDCCC040 Date Analyzed: 03/13/2025

Lab File ID: BF141939.D Time Analyzed: 12:17

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	198004	6.875	767232	8.16	426931	9.91
UPPER LIMIT	396008	7.375	1534460	8.657	853862	10.41
LOWER LIMIT	99002	6.375	383616	7.657	213466	9.41
EPA SAMPLE NO.						
01 PB167097BL	176773	6.88	705846	8.16	407739	9.91
02 PB167097BS	167779	6.88	666660	8.16	381133	9.92
03 PB167097BSD	178366	6.88	702401	8.16	401749	9.92
04 TAPIAL3-MW03D-031025-00-T1	170628	6.88	672168	8.16	390587	9.91
05 TAPFTA-MW01I-031025-00-T2	168841	6.88	662735	8.16	386145	9.91

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.: Q1539 SAS No.: Q1539 SDG NO.: Q1539

EPA Sample No.: SSTDCCC040 Date Analyzed: 03/13/2025

Lab File ID: BF141939.D Time Analyzed: 12:17

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	726402	11.398	451214	14.033	394917	15.504
UPPER LIMIT	1452800	11.898	902428	14.533	789834	16.004
LOWER LIMIT	363201	10.898	225607	13.533	197459	15.004
EPA SAMPLE NO.						
01 PB167097BL	769835	11.39	601564	14.03	427331	15.50
02 PB167097BS	657343	11.40	424407	14.04	370791	15.50
03 PB167097BSD	683407	11.40	437316	14.03	392710	15.50
04 TAPIAL3-MW03D-031025-00-T1	678228	11.40	432058	14.03	372025	15.50
05 TAPFTA-MW01I-031025-00-T2	718788	11.39	525213	14.03	377938	15.50

IS4 (PHN) = Phenanthrene-d10

IS5 (CRY) = Chrysene-d12

IS6 (PRY) = Perylene-d12

AREA UPPER LIMIT = +100% of internal standard area

AREA LOWER LIMIT = -50% of internal standard area

RT UPPER LIMIT = +0.50 minutes of internal standard RT

RT UPPER LIMIT = -0.50 minutes of internal standard RT

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

* Values outside of QC limits.



SAMPLE DATA

Report of Analysis

Client:	Weston Solutions	Date Collected:	03/10/25
Project:	Ft Meade Tipton Airfield Parcel RI - PO 0111169	Date Received:	03/11/25
Client Sample ID:	TAPIAL3-MW03D-031025-00-T1	SDG No.:	Q1539
Lab Sample ID:	Q1539-01	Matrix:	Water
Analytical Method:	SW8270	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	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 :	SW3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF141943.D	1	03/12/25 08:45	03/13/25 16:14	PB167097

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
100-52-7	Benzaldehyde	8.00	U	3.90	8.00	10.0	ug/L
108-95-2	Phenol	4.00	U	0.91	4.00	5.00	ug/L
111-44-4	bis(2-Chloroethyl)ether	4.00	U	0.81	4.00	5.00	ug/L
95-57-8	2-Chlorophenol	4.00	U	0.58	4.00	5.00	ug/L
95-48-7	2-Methylphenol	4.00	U	1.10	4.00	5.00	ug/L
108-60-1	2,2-oxybis(1-Chloropropane)	4.00	U	1.30	4.00	5.00	ug/L
98-86-2	Acetophenone	4.00	U	0.74	4.00	5.00	ug/L
65794-96-9	3+4-Methylphenols	8.00	U	1.10	8.00	10.0	ug/L
621-64-7	n-Nitroso-di-n-propylamine	2.50	U	1.40	2.50	2.50	ug/L
67-72-1	Hexachloroethane	4.00	U	0.65	4.00	5.00	ug/L
98-95-3	Nitrobenzene	4.00	U	0.76	4.00	5.00	ug/L
78-59-1	Isophorone	4.00	U	0.75	4.00	5.00	ug/L
88-75-5	2-Nitrophenol	4.00	U	1.80	4.00	5.00	ug/L
105-67-9	2,4-Dimethylphenol	4.00	U	1.90	4.00	5.00	ug/L
111-91-1	bis(2-Chloroethoxy)methane	4.00	U	0.68	4.00	5.00	ug/L
120-83-2	2,4-Dichlorophenol	4.00	U	0.52	4.00	5.00	ug/L
91-20-3	Naphthalene	4.00	U	0.50	4.00	5.00	ug/L
106-47-8	4-Chloroaniline	4.00	UQ	0.84	4.00	5.00	ug/L
87-68-3	Hexachlorobutadiene	4.00	U	0.54	4.00	5.00	ug/L
105-60-2	Caprolactam	8.00	U	1.10	8.00	10.0	ug/L
59-50-7	4-Chloro-3-methylphenol	4.00	U	0.59	4.00	5.00	ug/L
91-57-6	2-Methylnaphthalene	4.00	U	0.56	4.00	5.00	ug/L
77-47-4	Hexachlorocyclopentadiene	8.00	UQ	3.60	8.00	10.0	ug/L
88-06-2	2,4,6-Trichlorophenol	4.00	U	0.51	4.00	5.00	ug/L
95-95-4	2,4,5-Trichlorophenol	4.00	U	0.62	4.00	5.00	ug/L
92-52-4	1,1-Biphenyl	4.00	U	0.53	4.00	5.00	ug/L
91-58-7	2-Chloronaphthalene	4.00	U	0.61	4.00	5.00	ug/L
88-74-4	2-Nitroaniline	4.00	U	1.30	4.00	5.00	ug/L
131-11-3	Dimethylphthalate	4.00	U	0.61	4.00	5.00	ug/L

Report of Analysis

Client:	Weston Solutions	Date Collected:	03/10/25
Project:	Ft Meade Tipton Airfield Parcel RI - PO 0111169	Date Received:	03/11/25
Client Sample ID:	TAPIAL3-MW03D-031025-00-T1	SDG No.:	Q1539
Lab Sample ID:	Q1539-01	Matrix:	Water
Analytical Method:	SW8270	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	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 :	SW3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF141943.D	1	03/12/25 08:45	03/13/25 16:14	PB167097

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
208-96-8	Acenaphthylene	4.00	U	0.75	4.00	5.00	ug/L
606-20-2	2,6-Dinitrotoluene	4.00	U	0.92	4.00	5.00	ug/L
99-09-2	3-Nitroaniline	4.00	U	1.10	4.00	5.00	ug/L
83-32-9	Acenaphthene	2.40	J	0.55	4.00	5.00	ug/L
51-28-5	2,4-Dinitrophenol	8.00	U	6.00	8.00	10.0	ug/L
100-02-7	4-Nitrophenol	8.00	U	2.40	8.00	10.0	ug/L
132-64-9	Dibenzofuran	2.60	J	0.61	4.00	5.00	ug/L
121-14-2	2,4-Dinitrotoluene	4.00	U	1.20	4.00	5.00	ug/L
84-66-2	Diethylphthalate	4.00	U	0.69	4.00	5.00	ug/L
7005-72-3	4-Chlorophenyl-phenylether	4.00	U	0.68	4.00	5.00	ug/L
86-73-7	Fluorene	4.40	J	0.63	4.00	5.00	ug/L
100-01-6	4-Nitroaniline	4.00	U	1.50	4.00	5.00	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	8.00	U	2.90	8.00	10.0	ug/L
86-30-6	n-Nitrosodiphenylamine	4.00	U	0.58	4.00	5.00	ug/L
101-55-3	4-Bromophenyl-phenylether	4.00	U	0.40	4.00	5.00	ug/L
118-74-1	Hexachlorobenzene	4.00	U	0.52	4.00	5.00	ug/L
1912-24-9	Atrazine	4.00	U	1.00	4.00	5.00	ug/L
87-86-5	Pentachlorophenol	8.00	U	1.60	8.00	10.0	ug/L
85-01-8	Phenanthrene	4.00	U	0.50	4.00	5.00	ug/L
120-12-7	Anthracene	4.00	U	0.61	4.00	5.00	ug/L
86-74-8	Carbazole	2.20	J	0.72	4.00	5.00	ug/L
84-74-2	Di-n-butylphthalate	4.00	U	1.20	4.00	5.00	ug/L
206-44-0	Fluoranthene	4.00	U	0.82	4.00	5.00	ug/L
129-00-0	Pyrene	4.00	U	0.50	4.00	5.00	ug/L
85-68-7	Butylbenzylphthalate	4.00	U	1.90	4.00	5.00	ug/L
91-94-1	3,3-Dichlorobenzidine	8.00	U	0.93	8.00	10.0	ug/L
56-55-3	Benzo(a)anthracene	4.00	U	0.45	4.00	5.00	ug/L
218-01-9	Chrysene	4.00	U	0.44	4.00	5.00	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	4.00	U	1.60	4.00	5.00	ug/L
117-84-0	Di-n-octyl phthalate	8.00	U	2.30	8.00	10.0	ug/L
205-99-2	Benzo(b)fluoranthene	4.00	U	0.49	4.00	5.00	ug/L

Report of Analysis

Client:	Weston Solutions	Date Collected:	03/10/25
Project:	Ft Meade Tipton Airfield Parcel RI - PO 0111169	Date Received:	03/11/25
Client Sample ID:	TAPIAL3-MW03D-031025-00-T1	SDG No.:	Q1539
Lab Sample ID:	Q1539-01	Matrix:	Water
Analytical Method:	SW8270	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	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 :	SW3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF141943.D	1	03/12/25 08:45	03/13/25 16:14	PB167097

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
207-08-9	Benzo(k)fluoranthene	4.00	U	0.48	4.00	5.00	ug/L
50-32-8	Benzo(a)pyrene	4.00	U	0.55	4.00	5.00	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	4.00	U	0.59	4.00	5.00	ug/L
53-70-3	Dibenzo(a,h)anthracene	4.00	U	0.67	4.00	5.00	ug/L
191-24-2	Benzo(g,h,i)perylene	4.00	U	0.69	4.00	5.00	ug/L
95-94-3	1,2,4,5-Tetrachlorobenzene	4.00	U	0.52	4.00	5.00	ug/L
123-91-1	1,4-Dioxane	4.00	U	1.00	4.00	5.00	ug/L
58-90-2	2,3,4,6-Tetrachlorophenol	4.00	U	0.72	4.00	5.00	ug/L

SURROGATES

367-12-4	2-Fluorophenol	58.7		19 - 119		39%	SPK: 150
13127-88-3	Phenol-d6	35.4		10 - 130		24%	SPK: 150
4165-60-0	Nitrobenzene-d5	100		44 - 120		100%	SPK: 100
321-60-8	2-Fluorobiphenyl	96.0		44 - 119		96%	SPK: 100
118-79-6	2,4,6-Tribromophenol	159		43 - 140		106%	SPK: 150
1718-51-0	Terphenyl-d14	91.5		50 - 134		92%	SPK: 100

INTERNAL STANDARDS

3855-82-1	1,4-Dichlorobenzene-d4	171000	6.875
1146-65-2	Naphthalene-d8	672000	8.157
15067-26-2	Acenaphthene-d10	391000	9.91
1517-22-2	Phenanthrene-d10	678000	11.398
1719-03-5	Chrysene-d12	432000	14.027
1520-96-3	Perylene-d12	372000	15.498

TENTATIVE IDENTIFIED COMPOUNDS

000994-05-8	Butane, 2-methoxy-2-methyl-	110	JB		2.20	ug/L
	unknown6.798	4.80	J		6.80	ug/L
000496-11-7	Indane	7.10	J		7.06	ug/L
000141-93-5	Benzene, 1,3-diethyl-	5.40	J		7.12	ug/L
004920-99-4	Benzene, 1-ethyl-3-(1-methylethyl)	2.40	J		7.52	ug/L
003454-07-7	Benzene, 1-ethenyl-4-ethyl-	9.90	J		7.89	ug/L
003877-19-8	Naphthalene, 1,2,3,4-tetrahydro-2-	4.40	J		8.35	ug/L

Report of Analysis

Client:	Weston Solutions	Date Collected:	03/10/25
Project:	Ft Meade Tipton Airfield Parcel RI - PO 0111169	Date Received:	03/11/25
Client Sample ID:	TAPIAL3-MW03D-031025-00-T1	SDG No.:	Q1539
Lab Sample ID:	Q1539-01	Matrix:	Water
Analytical Method:	SW8270	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	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 :	SW3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF141943.D	1	03/12/25 08:45	03/13/25 16:14	PB167097

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
056253-64-6	Benzene, (2-methyl-1-butenyl)-	3.50	J			8.40	ug/L
019947-22-9	Benzene, (1-ethyl-2-propenyl)-	2.30	J			8.43	ug/L
097664-18-1	Benzene, 1-methyl-4-(1-methyl-2-pr	3.60	J			8.54	ug/L
006682-71-9	1H-Indene, 2,3-dihydro-4,7-dimethy	3.90	J			8.62	ug/L
002809-64-5	Naphthalene, 1,2,3,4-tetrahydro-5-	8.30	J			8.82	ug/L
002613-76-5	1H-Indene, 2,3-dihydro-1,1,3-trime	7.20	J			8.97	ug/L
020027-77-4	Naphthalene, 1,2,3,4-tetrahydro-5,	3.60	J			9.38	ug/L
001127-76-0	Naphthalene, 1-ethyl-	3.10	J			9.44	ug/L
004175-54-6	Naphthalene, 1,2,3,4-tetrahydro-1,	4.40	J			9.57	ug/L
000643-58-3	1,1-Biphenyl, 2-methyl-	5.00	J			10.5	ug/L
071042-74-5	4-Indancarboxylic acid, 7-methyl-	3.20	J			10.6	ug/L
000613-33-2	4,4-Dimethylbiphenyl	2.80	J			11.0	ug/L
003652-91-3	9H-Carbazole, 2-methyl-	3.40	J			11.9	ug/L

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\BF031325\
 Data File : BF141943.D
 Acq On : 13 Mar 2025 16:14
 Operator : RC/JU
 Sample : Q1539-01
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TAPIAL3-MW03D-031025-00-T1

Quant Time: Mar 13 16:47:28 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF031025.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Mar 10 15:46:22 2025
 Response via : Initial Calibration

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

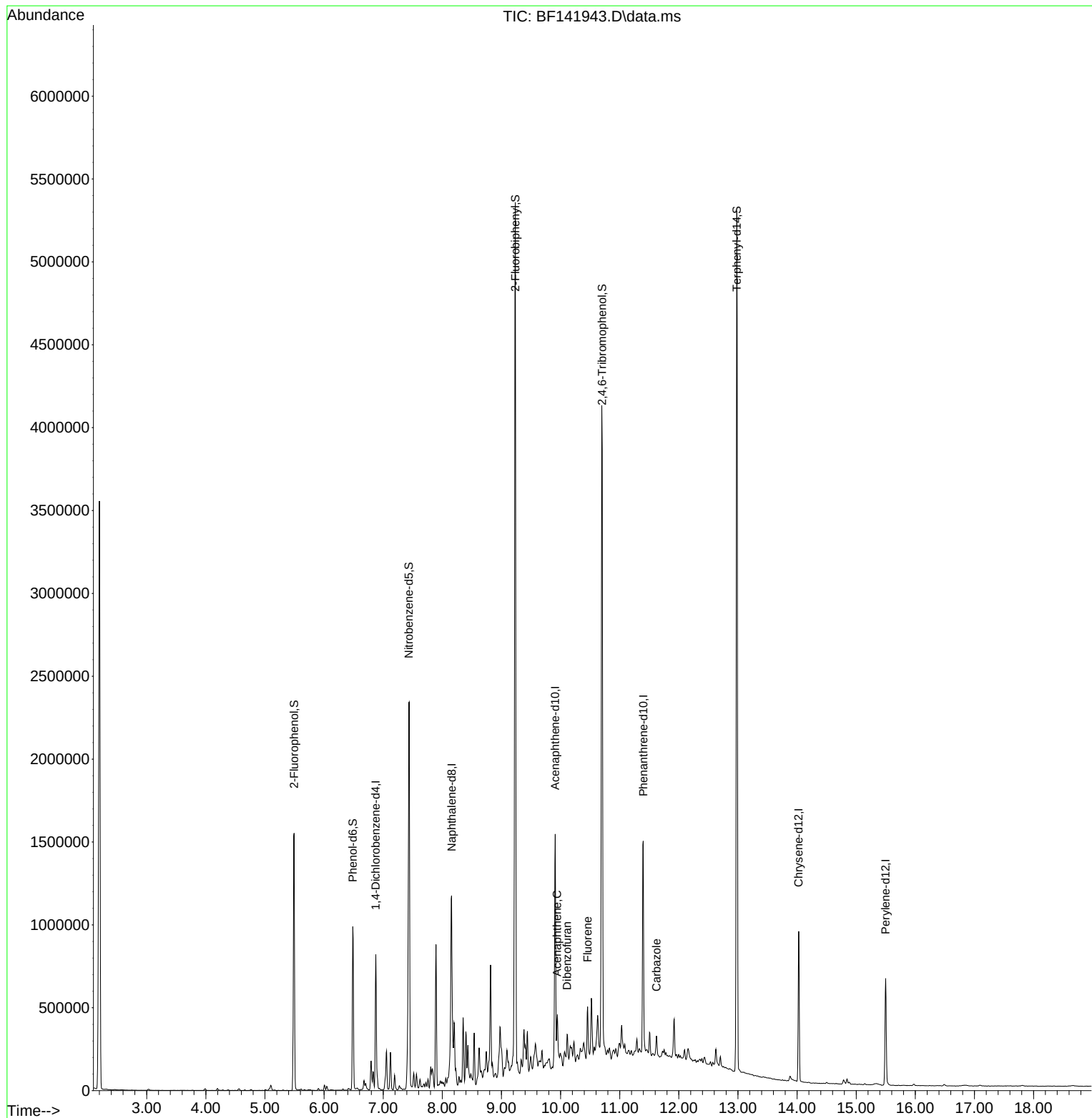
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.875	152	170628	20.000	ng	0.00
21) Naphthalene-d8	8.157	136	672168	20.000	ng	0.00
39) Acenaphthene-d10	9.910	164	390587	20.000	ng	0.00
64) Phenanthrene-d10	11.398	188	678228	20.000	ng	0.00
76) Chrysene-d12	14.027	240	432058	20.000	ng	-0.01
86) Perylene-d12	15.498	264	372025	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.492	112	600091	58.697	ng	0.00
7) Phenol-d6	6.487	99	461285	35.437	ng	-0.02
23) Nitrobenzene-d5	7.434	82	1194711	100.025	ng	-0.01
42) 2,4,6-Tribromophenol	10.704	330	789341	159.298	ng	0.00
45) 2-Fluorobiphenyl	9.233	172	2464310	95.952	ng	0.00
79) Terphenyl-d14	12.980	244	2674361	91.514	ng	0.00
Target Compounds						
						Qvalue
52) Acenaphthene	9.939	154	54270	2.353	ng	# 88
55) Dibenzofuran	10.110	168	85562	2.596	ng	99
58) Fluorene	10.457	166	112667	4.432	ng	99
73) Carbazole	11.621	167	69087	2.180	ng	99

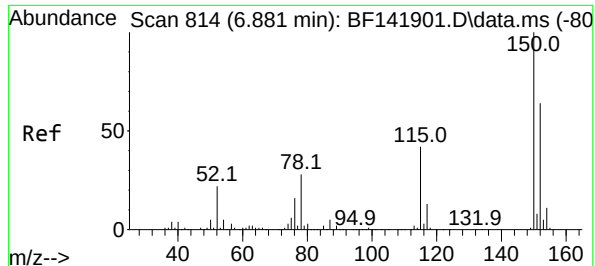
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF031325\
Data File : BF141943.D
Acq On : 13 Mar 2025 16:14
Operator : RC/JU
Sample : Q1539-01
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TAPIAL3-MW03D-031025-00-T1

Quant Time: Mar 13 16:47:28 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF031025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Mar 10 15:46:22 2025
Response via : Initial Calibration

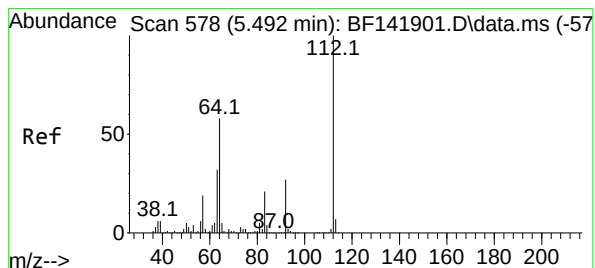
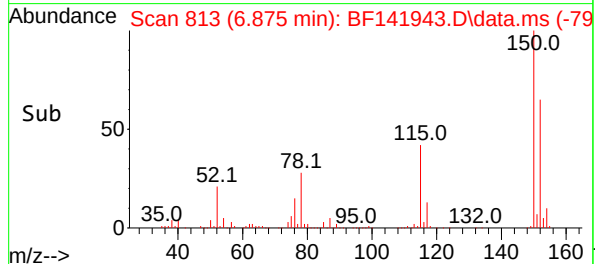
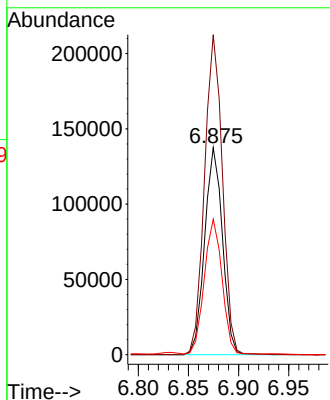
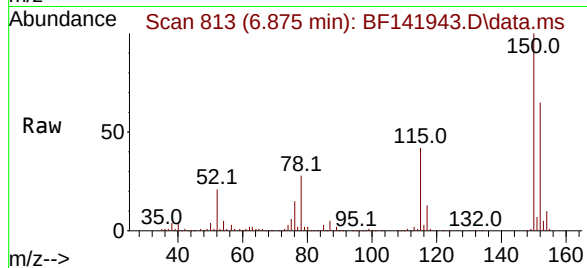




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.875 min Scan# 814
Delta R.T. -0.006 min
Lab File: BF141943.D
Acq: 13 Mar 2025 16:14

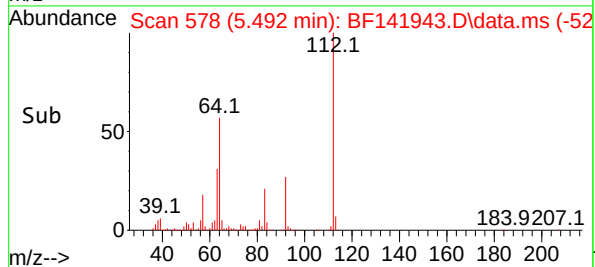
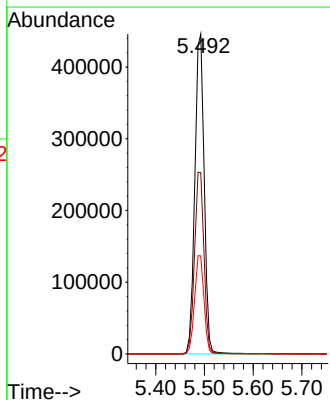
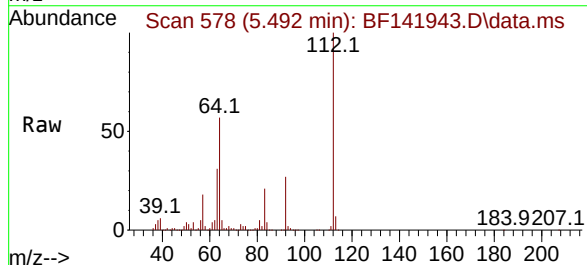
Instrument :
BNA_F
ClientSampleId :
TAPIAL3-MW03D-031025-00-T1

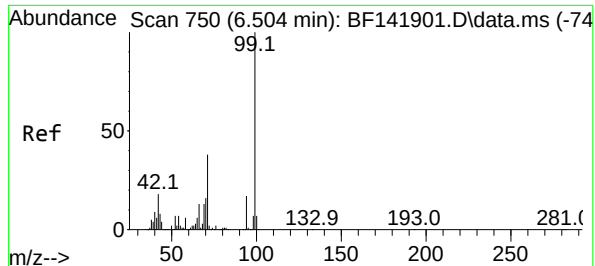
Tgt Ion:152 Resp: 170628
Ion Ratio Lower Upper
152 100
150 154.6 127.4 191.2
115 65.5 51.9 77.9



#5
2-Fluorophenol
Concen: 58.697 ng
RT: 5.492 min Scan# 578
Delta R.T. 0.000 min
Lab File: BF141943.D
Acq: 13 Mar 2025 16:14

Tgt Ion:112 Resp: 600091
Ion Ratio Lower Upper
112 100
64 56.7 46.5 69.7
63 30.6 25.4 38.2

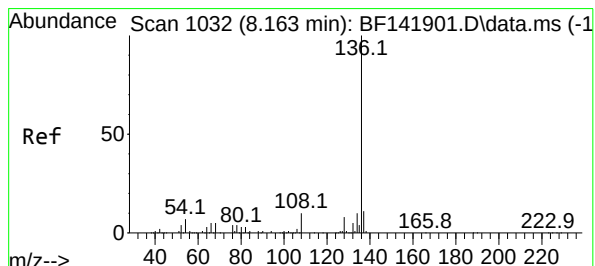
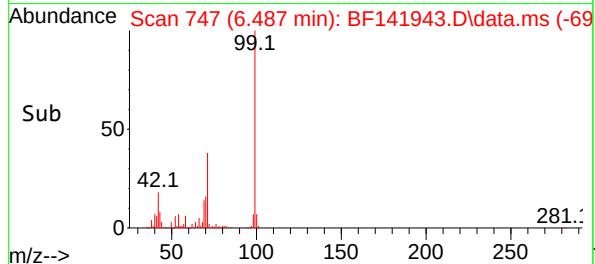
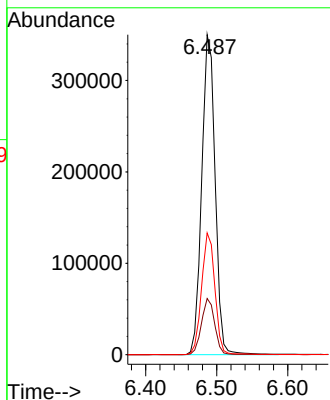
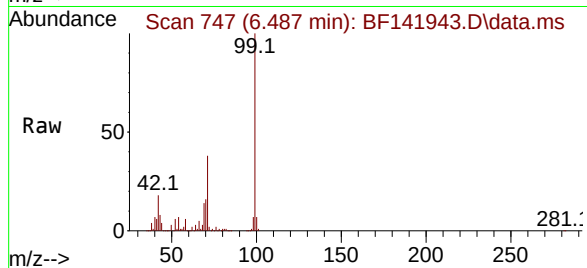




#7
Phenol-d6
Concen: 35.437 ng
RT: 6.487 min Scan# 74
Delta R.T. -0.018 min
Lab File: BF141943.D
Acq: 13 Mar 2025 16:14

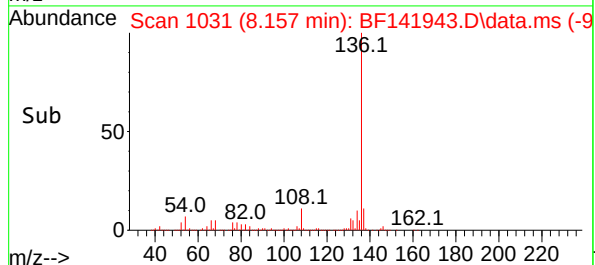
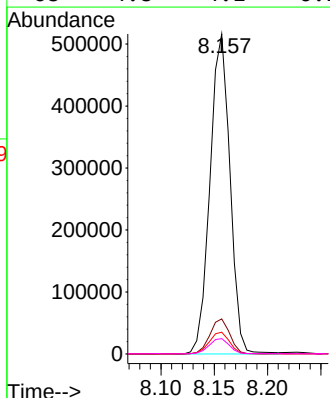
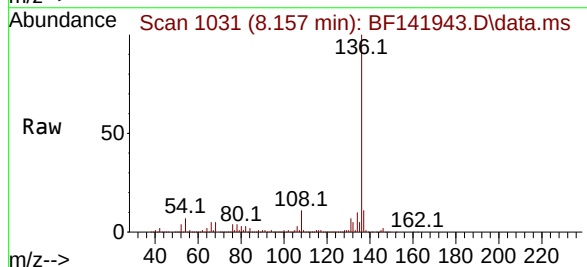
Instrument :
BNA_F
ClientSampleId :
TAPIAL3-MW03D-031025-00-T1

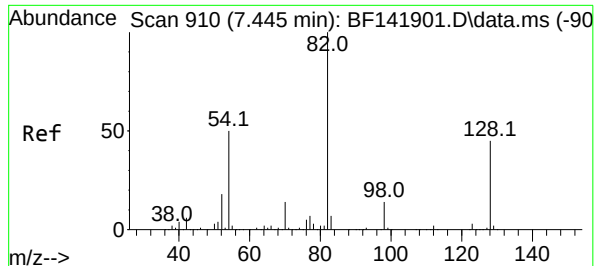
Tgt Ion	Ratio	Lower	Upper
99	100		
42	17.6	14.6	21.8
71	38.1	30.8	46.2



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.157 min Scan# 1031
Delta R.T. -0.006 min
Lab File: BF141943.D
Acq: 13 Mar 2025 16:14

Tgt Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.8	13.2
54	6.8	5.8	8.8
68	4.8	4.1	6.1





#23

Nitrobenzene-d5

Concen: 100.025 ng

RT: 7.434 min Scan# 90

Delta R.T. -0.012 min

Lab File: BF141943.D

Acq: 13 Mar 2025 16:14

Instrument :

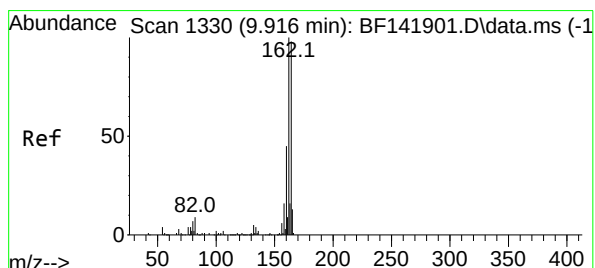
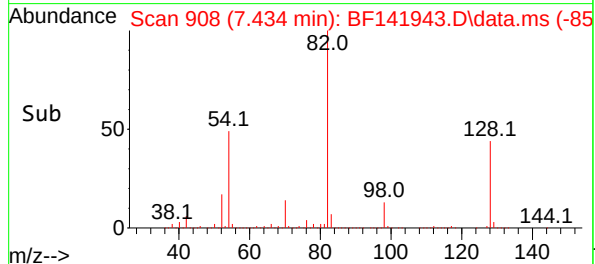
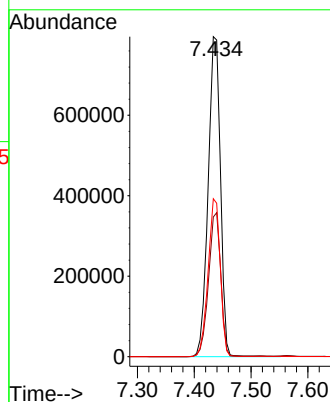
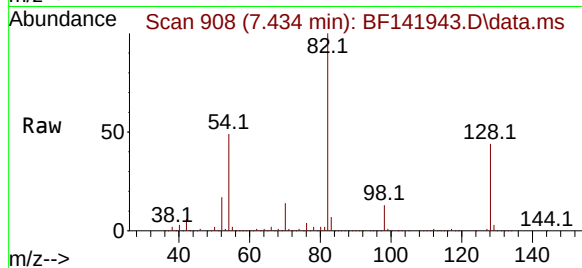
BNA_F

ClientSampleId :

TAPIAL3-MW03D-031025-00-T1

Tgt Ion: 82 Resp: 1194711

Ion	Ratio	Lower	Upper
82	100		
128	43.7	36.0	54.0
54	49.4	39.6	59.4



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.910 min Scan# 1329

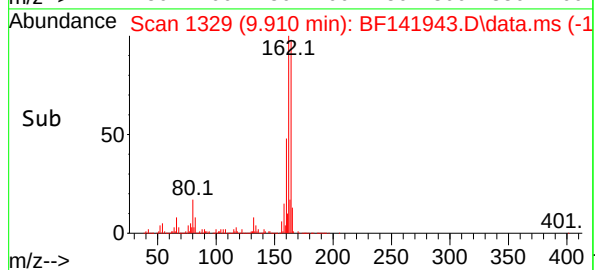
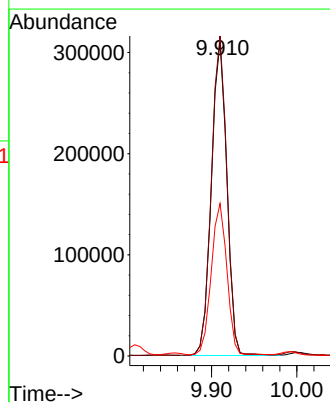
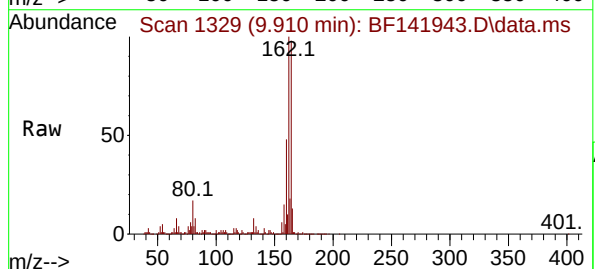
Delta R.T. -0.006 min

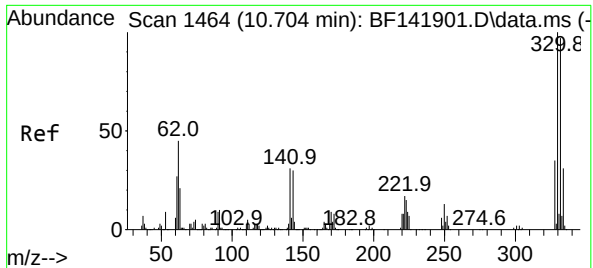
Lab File: BF141943.D

Acq: 13 Mar 2025 16:14

Tgt Ion:164 Resp: 390587

Ion	Ratio	Lower	Upper
164	100		
162	101.8	81.8	122.6
160	48.5	36.7	55.1





#42

2,4,6-Tribromophenol

Concen: 159.298 ng

RT: 10.704 min Scan# 1464

Delta R.T. 0.000 min

Lab File: BF141943.D

Acq: 13 Mar 2025 16:14

Instrument :

BNA_F

ClientSampleId :

TAPIAL3-MW03D-031025-00-T1

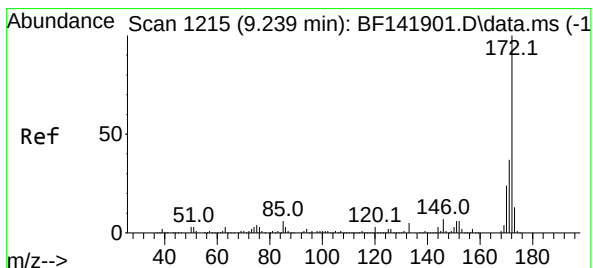
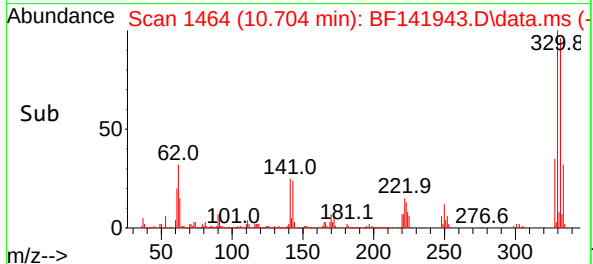
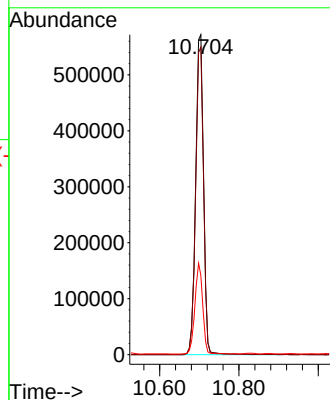
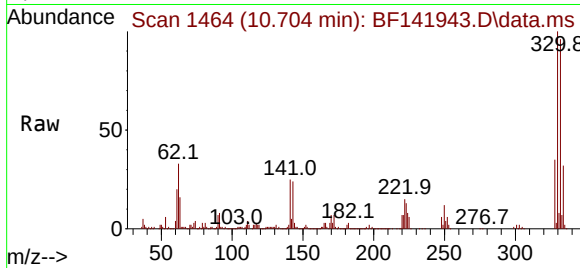
Tgt Ion:330 Resp: 789341

Ion Ratio Lower Upper

330 100

332 96.2 77.6 116.4

141 27.9 24.7 37.1



#45

2-Fluorobiphenyl

Concen: 95.952 ng

RT: 9.233 min Scan# 1214

Delta R.T. -0.006 min

Lab File: BF141943.D

Acq: 13 Mar 2025 16:14

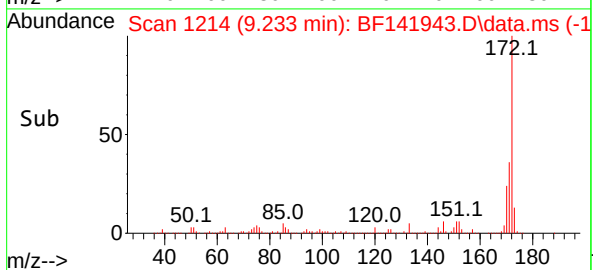
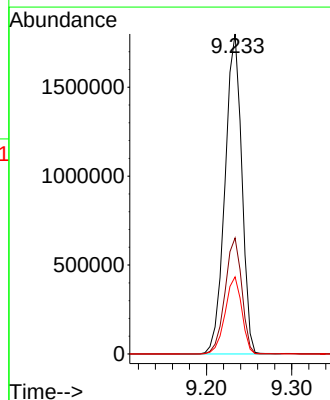
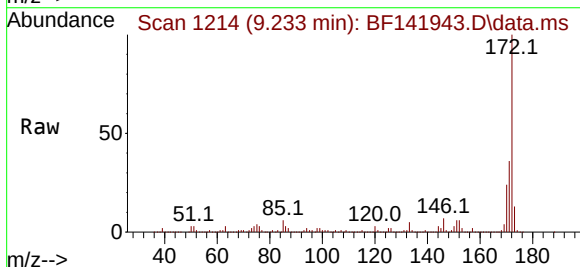
Tgt Ion:172 Resp: 2464310

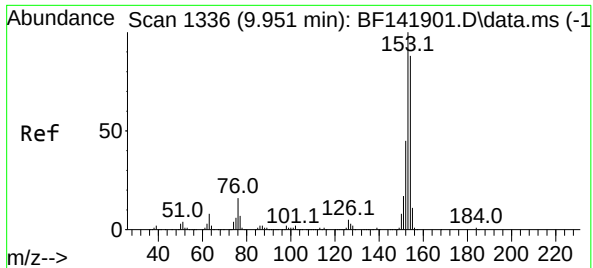
Ion Ratio Lower Upper

172 100

171 36.3 29.3 43.9

170 24.1 19.4 29.0





#52

Acenaphthene

Concen: 2.353 ng

RT: 9.939 min Scan# 1334

Delta R.T. -0.012 min

Lab File: BF141943.D

Acq: 13 Mar 2025 16:14

Instrument :

BNA_F

ClientSampleId :

TAPIAL3-MW03D-031025-00-T1

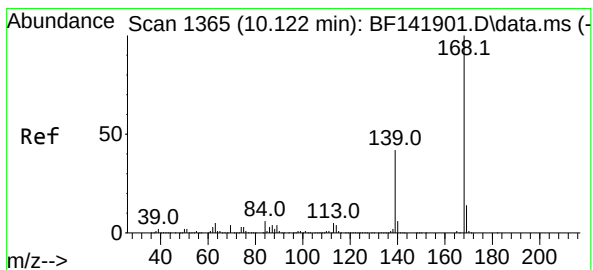
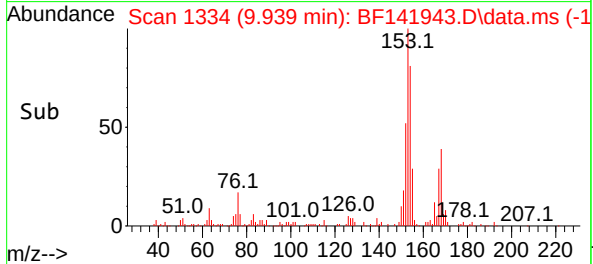
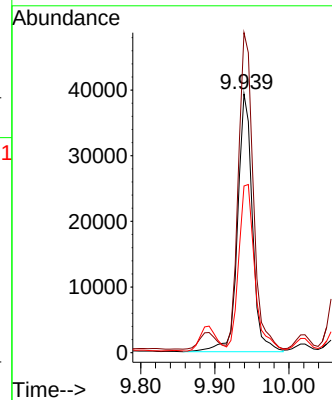
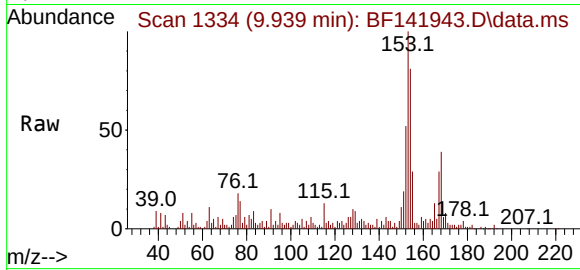
Tgt Ion:154 Resp: 54270

Ion Ratio Lower Upper

154 100

153 123.7 90.7 136.1

152 64.5 41.1 61.7#



#55

Dibenzofuran

Concen: 2.596 ng

RT: 10.110 min Scan# 1363

Delta R.T. -0.012 min

Lab File: BF141943.D

Acq: 13 Mar 2025 16:14

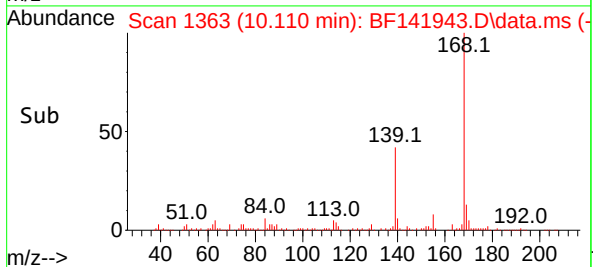
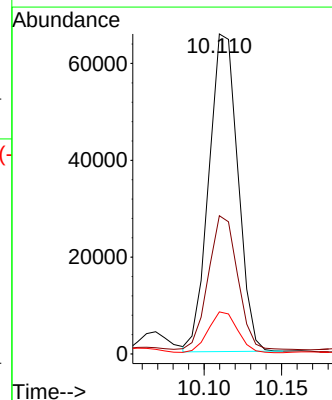
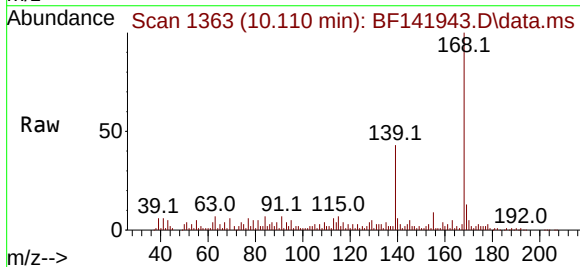
Tgt Ion:168 Resp: 85562

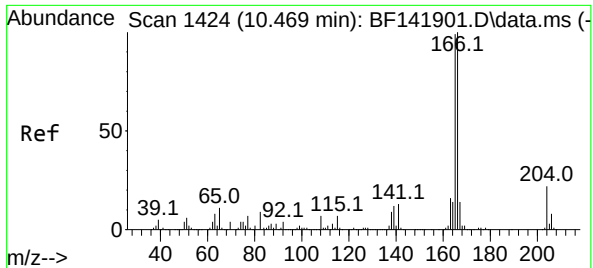
Ion Ratio Lower Upper

168 100

139 43.2 33.9 50.9

169 13.1 11.0 16.4

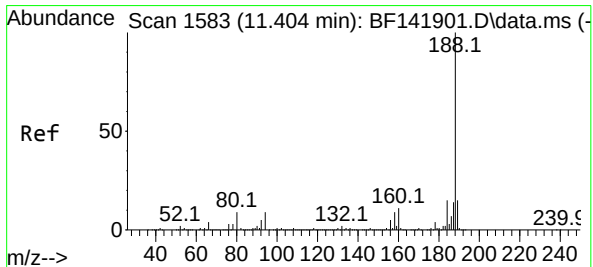
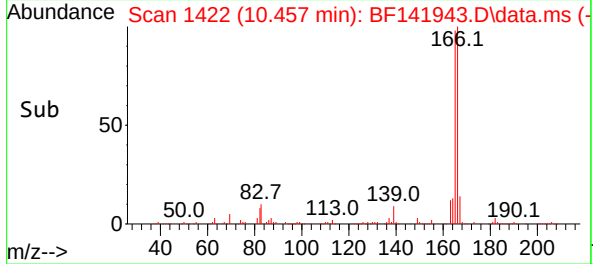
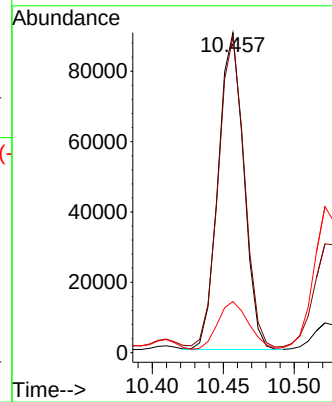
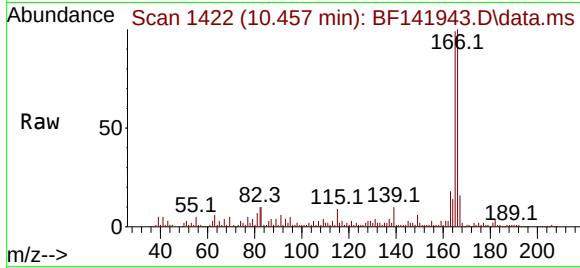




#58
Fluorene
Concen: 4.432 ng
RT: 10.457 min Scan# 1422
Delta R.T. -0.012 min
Lab File: BF141943.D
Acq: 13 Mar 2025 16:14

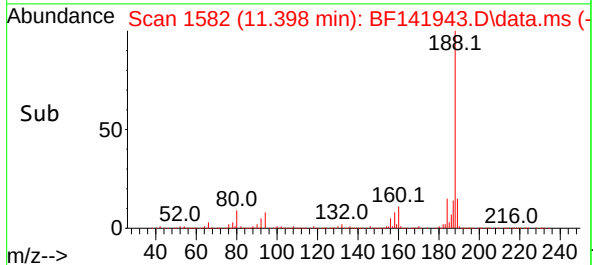
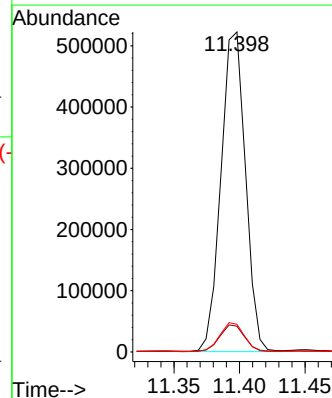
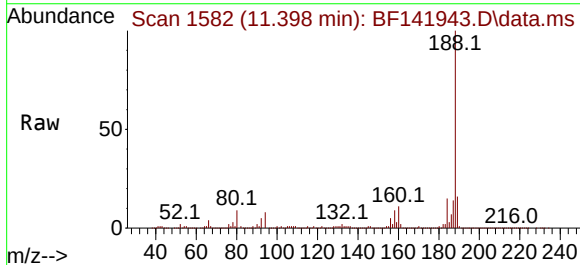
Instrument :
BNA_F
ClientSampleId :
TAPIAL3-MW03D-031025-00-T1

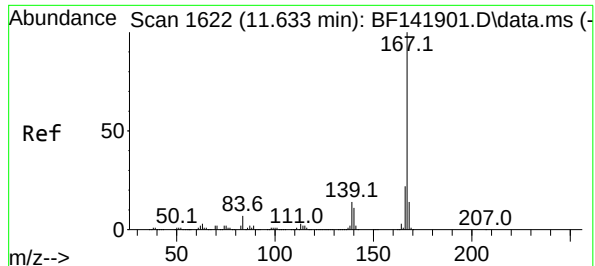
Tgt Ion:166 Resp: 112667
Ion Ratio Lower Upper
166 100
165 98.8 79.0 118.4
167 16.0 11.0 16.4



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.398 min Scan# 1582
Delta R.T. -0.006 min
Lab File: BF141943.D
Acq: 13 Mar 2025 16:14

Tgt Ion:188 Resp: 678228
Ion Ratio Lower Upper
188 100
94 8.0 6.8 10.2
80 8.7 7.6 11.4





#73

Carbazole

Concen: 2.180 ng

RT: 11.621 min Scan# 1

Delta R.T. -0.012 min

Lab File: BF141943.D

Acq: 13 Mar 2025 16:14

Instrument :

BNA_F

ClientSampleId :

TAPIAL3-MW03D-031025-00-T1

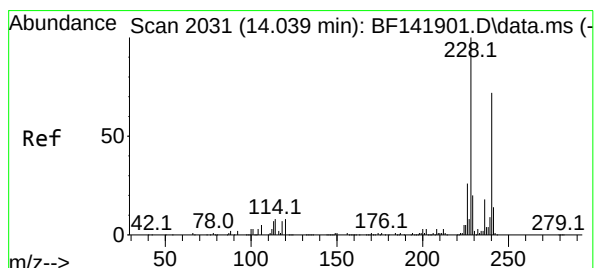
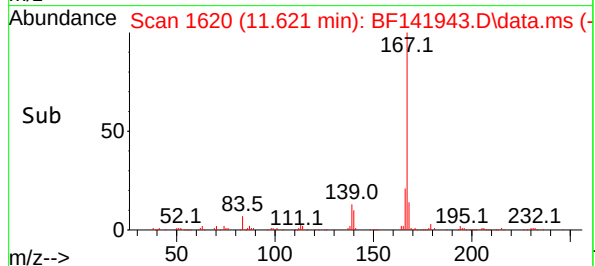
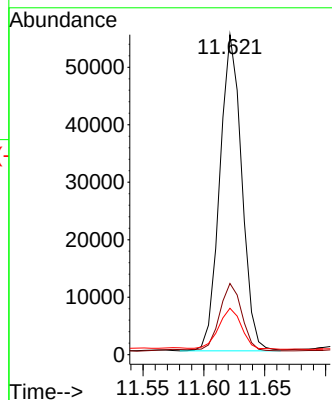
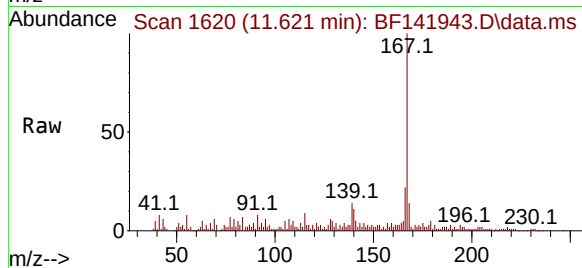
Tgt Ion:167 Resp: 69087

Ion Ratio Lower Upper

167 100

166 22.3 17.4 26.2

139 14.5 11.0 16.6



#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.027 min Scan# 2029

Delta R.T. -0.012 min

Lab File: BF141943.D

Acq: 13 Mar 2025 16:14

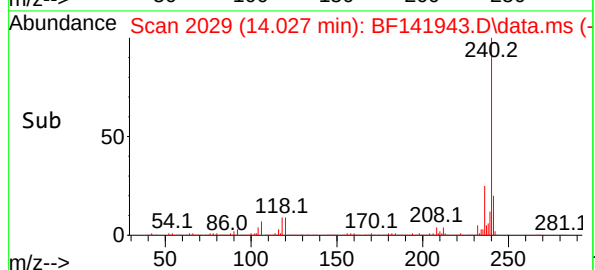
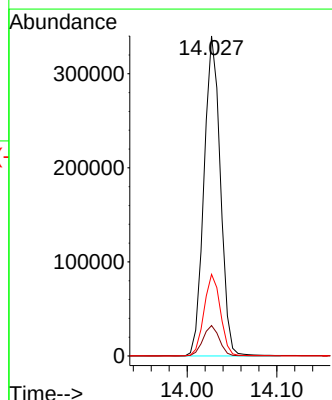
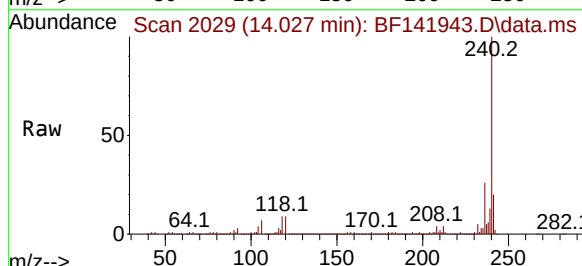
Tgt Ion:240 Resp: 432058

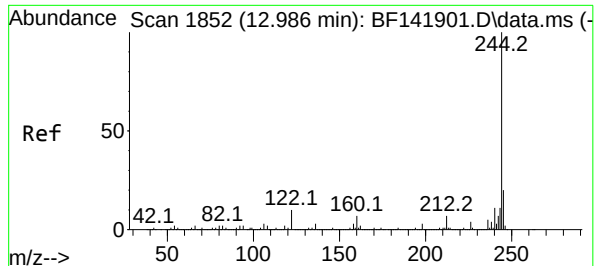
Ion Ratio Lower Upper

240 100

120 9.5 8.4 12.6

236 25.5 20.5 30.7





#79

Terphenyl-d14

Concen: 91.514 ng

RT: 12.980 min Scan# 1851

Delta R.T. -0.006 min

Lab File: BF141943.D

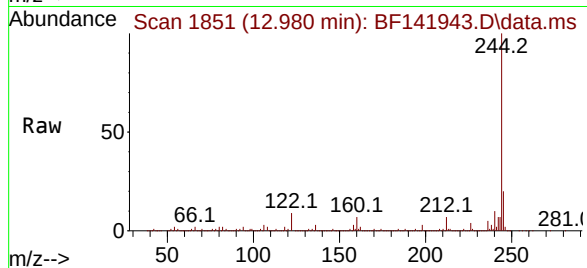
Acq: 13 Mar 2025 16:14

Instrument :

BNA_F

ClientSampleId :

TAPIAL3-MW03D-031025-00-T1



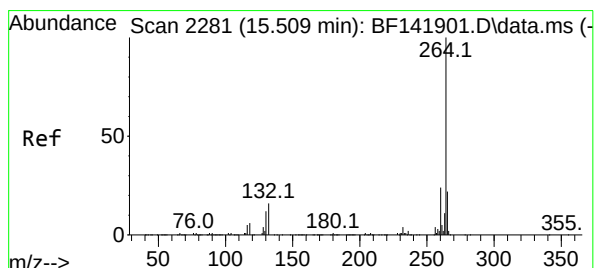
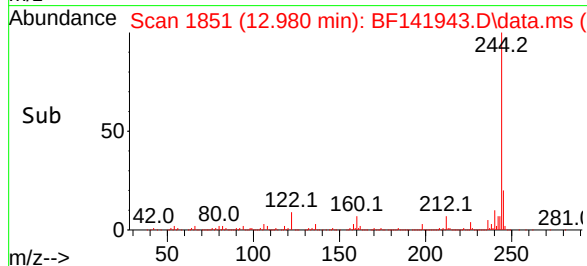
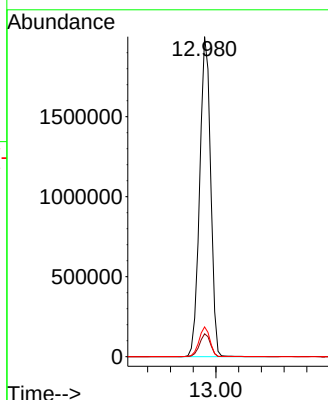
Tgt Ion:244 Resp: 2674361

Ion Ratio Lower Upper

244 100

212 7.1 6.0 9.0

122 9.3 7.7 11.5



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.498 min Scan# 2279

Delta R.T. -0.012 min

Lab File: BF141943.D

Acq: 13 Mar 2025 16:14

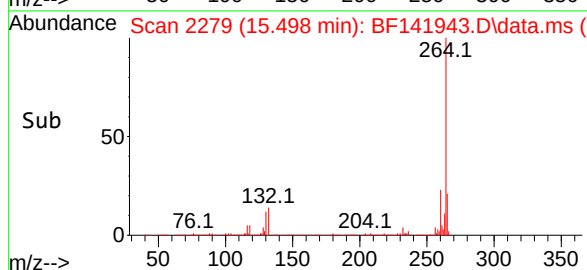
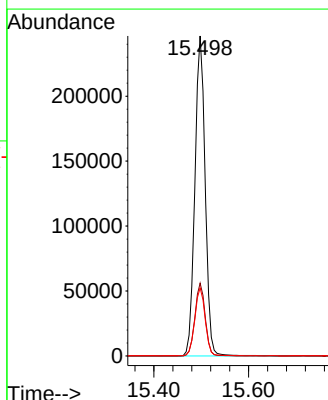
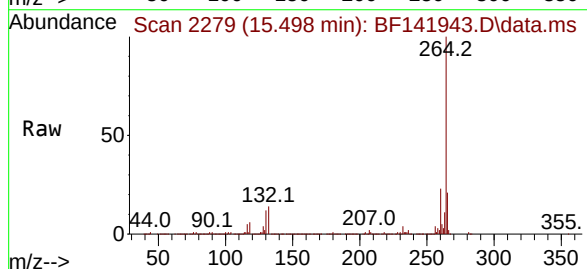
Tgt Ion:264 Resp: 372025

Ion Ratio Lower Upper

264 100

260 22.7 19.1 28.7

265 21.3 17.5 26.3



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF031325\
 Data File : BF141943.D
 Acq On : 13 Mar 2025 16:14
 Operator : RC/JU
 Sample : Q1539-01
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TAPIAL3-MW03D-031025-00-T1

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-BF031025.M

Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BF141943.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.199	10	18	25	rVB	3545492	5735593	80.06%	10.508%
2	5.492	571	578	589	rBV	1552564	2111058	29.47%	3.868%
3	6.487	741	747	755	rBV	985462	1303669	18.20%	2.388%
4	6.675	773	779	782	rBV2	53647	77778	1.09%	0.142%
5	6.798	794	800	803	rBV	173658	257685	3.60%	0.472%
6	6.828	803	805	809	rVV	103145	130427	1.82%	0.239%
7	6.875	809	813	821	rVB2	810681	1084203	15.13%	1.986%
8	7.057	833	844	849	rBV2	235353	384689	5.37%	0.705%
9	7.122	850	855	863	rVV	226259	291366	4.07%	0.534%
10	7.192	863	867	875	rVB	88249	119734	1.67%	0.219%
11	7.439	897	909	914	rBV	2337936	3740311	52.21%	6.853%
12	7.516	917	922	926	rVV2	90499	127886	1.79%	0.234%
13	7.563	926	930	935	rVB	82393	107391	1.50%	0.197%
14	7.804	967	971	973	rBV	128328	171365	2.39%	0.314%
15	7.834	973	976	981	rVB3	111434	187184	2.61%	0.343%
16	7.892	981	986	991	rBV	860120	1095212	15.29%	2.007%
17	8.157	1021	1031	1036	rVV2	1139847	2215448	30.92%	4.059%
18	8.198	1036	1038	1049	rVB2	377907	610301	8.52%	1.118%
19	8.351	1059	1064	1068	rBV	390960	491339	6.86%	0.900%
20	8.398	1068	1072	1075	rBV	300940	391159	5.46%	0.717%
21	8.433	1075	1078	1084	rVB2	197806	259705	3.63%	0.476%
22	8.539	1092	1096	1101	rVB	312887	399213	5.57%	0.731%
23	8.622	1101	1110	1114	rBV2	223393	429225	5.99%	0.786%
24	8.716	1120	1126	1127	rBV4	48510	84699	1.18%	0.155%
25	8.745	1127	1131	1134	rVB2	132557	168231	2.35%	0.308%
26	8.816	1134	1143	1147	rBV3	644948	918352	12.82%	1.683%
27	8.975	1162	1170	1179	rBV4	299486	802128	11.20%	1.470%
28	9.051	1179	1183	1185	rBV2	52856	78225	1.09%	0.143%
29	9.092	1186	1190	1193	rBV3	106581	155640	2.17%	0.285%
30	9.233	1204	1214	1218	rBV	5209100	7163959	100.00%	13.125%
31	9.269	1218	1220	1227	rVB3	68301	90063	1.26%	0.165%
32	9.333	1227	1231	1234	rBV2	84693	128598	1.80%	0.236%
33	9.380	1234	1239	1242	rBV2	224537	346897	4.84%	0.636%
34	9.439	1246	1249	1253	rVB	240611	291360	4.07%	0.534%
35	9.492	1254	1258	1263	rBV4	82076	132302	1.85%	0.242%
36	9.575	1264	1272	1279	rBV5	149807	420827	5.87%	0.771%

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF031325\
 Data File : BF141943.D
 Acq On : 13 Mar 2025 16:14
 Operator : RC/JU
 Sample : Q1539-01
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TAPIAL3-MW03D-031025-00-T1

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-BF031025.M
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

37	9.686	1288	1291	1295	rVB3	104507	137518	1.92%	0.252%
38	9.910	1322	1329	1332	rBV	1410168	1911320	26.68%	3.502%
39	9.945	1332	1335	1341	rVB3	268758	378144	5.28%	0.693%
40	10.069	1351	1356	1360	rBV3	85348	180318	2.52%	0.330%
41	10.110	1360	1363	1368	rVB	148878	199887	2.79%	0.366%
42	10.163	1369	1372	1374	rBV	70941	95512	1.33%	0.175%
43	10.227	1379	1383	1387	rVB4	119388	194490	2.71%	0.356%
44	10.333	1398	1401	1404	rBV4	59950	89849	1.25%	0.165%
45	10.457	1418	1422	1428	rBV	306668	428806	5.99%	0.786%
46	10.522	1429	1433	1438	rVB	338001	477861	6.67%	0.875%
47	10.627	1447	1451	1457	rVB3	193163	306770	4.28%	0.562%
48	10.698	1457	1463	1476	rVB	3916640	5538464	77.31%	10.147%
49	10.992	1509	1513	1516	rBV3	70731	131877	1.84%	0.242%
50	11.033	1516	1520	1526	rVB	147744	236839	3.31%	0.434%
51	11.292	1561	1564	1568	rVB	80244	94930	1.33%	0.174%
52	11.398	1577	1582	1589	rBV	1272201	1700934	23.74%	3.116%
53	11.504	1597	1600	1606	rVB	140988	189899	2.65%	0.348%
54	11.621	1617	1620	1629	rVB	127430	183514	2.56%	0.336%
55	11.921	1667	1671	1675	rVB	220589	291253	4.07%	0.534%
56	12.627	1787	1791	1800	rVV2	98164	157442	2.20%	0.288%
57	12.704	1801	1804	1811	rVB	64196	88351	1.23%	0.162%
58	12.980	1845	1851	1856	rBV	5191368	6901069	96.33%	12.643%
59	14.027	2024	2029	2041	rVB	908224	1162627	16.23%	2.130%
60	15.498	2273	2279	2297	rVB	645015	1001684	13.98%	1.835%

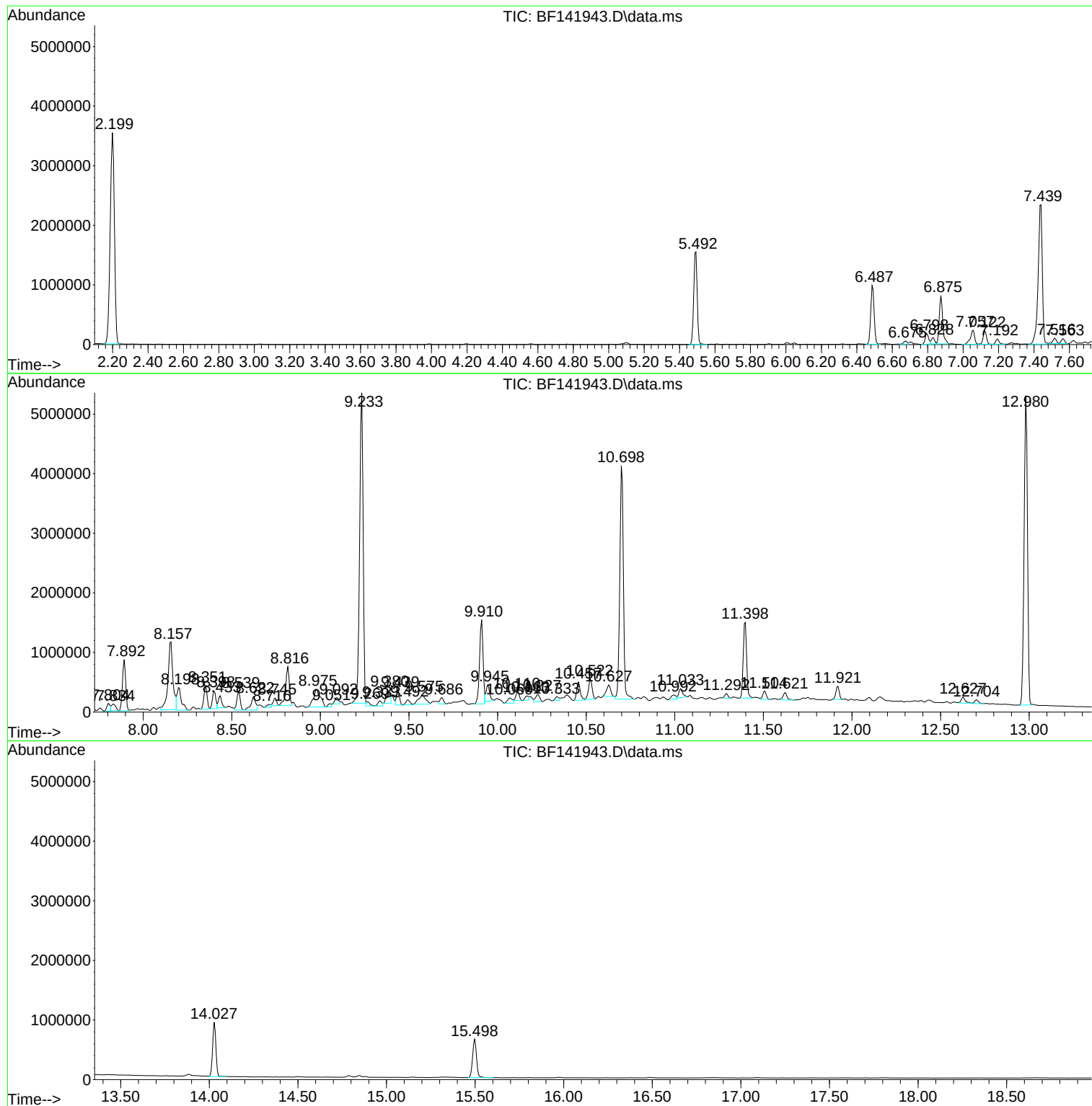
Sum of corrected areas: 54582580

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF031325\
Data File : BF141943.D
Acq On : 13 Mar 2025 16:14
Operator : RC/JU
Sample : Q1539-01
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TAPIAL3-MW03D-031025-00-T1

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF031025.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\BF031325\
Data File : BF141943.D
Acq On : 13 Mar 2025 16:14
Operator : RC/JU
Sample : Q1539-01
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TAPIAL3-MW03D-031025-00-T1

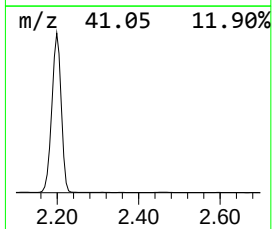
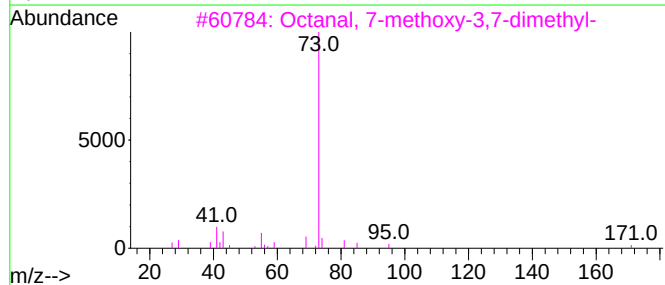
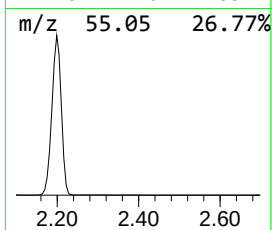
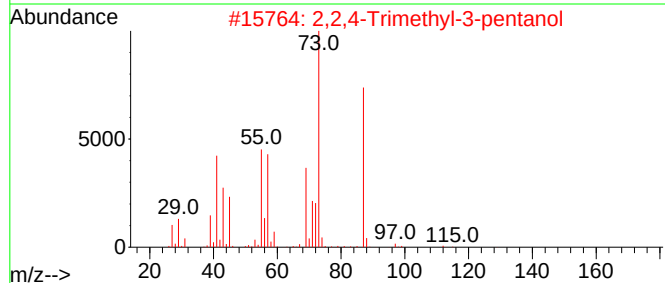
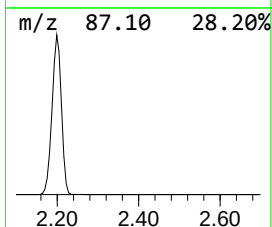
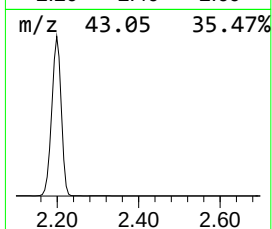
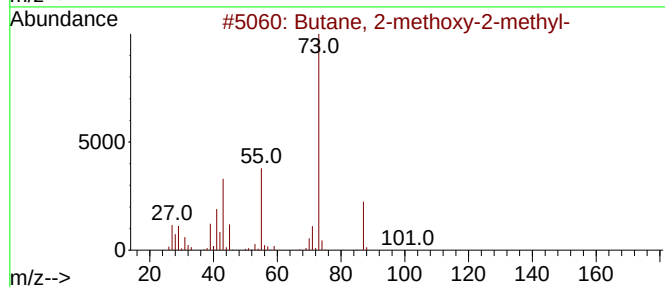
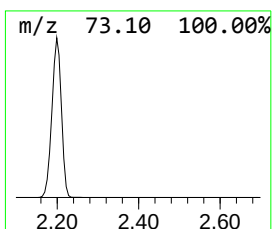
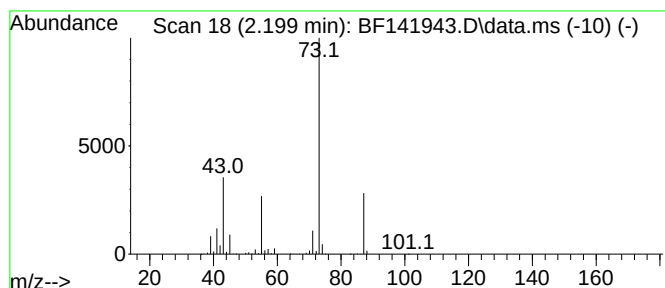
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF031025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 1 Butane, 2-methoxy-2-methyl- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.199	105.80 ng	5735590	1,4-Dichlorobenzene-d4	6.875

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Butane, 2-methoxy-2-methyl-	102	C6H14O	000994-05-8	83
2			2,2,4-Trimethyl-3-pentanol	130	C8H18O	005162-48-1	40
3			Octanal, 7-methoxy-3,7-dimethyl-	186	C11H22O2	003613-30-7	23
4			Acetamide, N-ethyl-	87	C4H9NO	000625-50-3	22
5			Pentane, 3-methoxy-	102	C6H14O	036839-67-5	17



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF031325\
Data File : BF141943.D
Acq On : 13 Mar 2025 16:14
Operator : RC/JU
Sample : Q1539-01
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TAPIAL3-MW03D-031025-00-T1

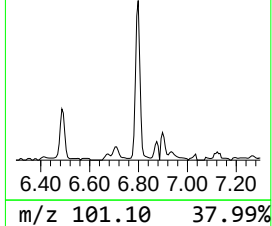
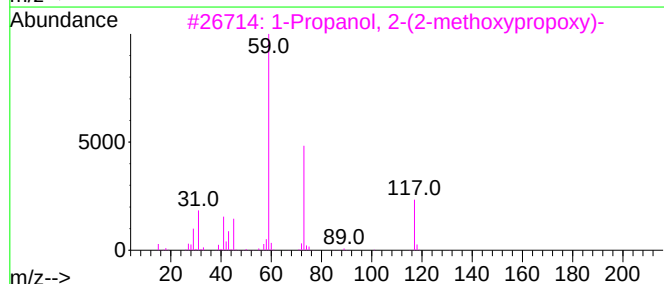
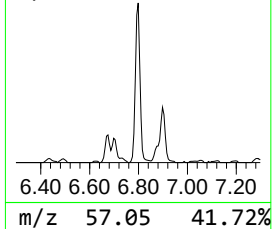
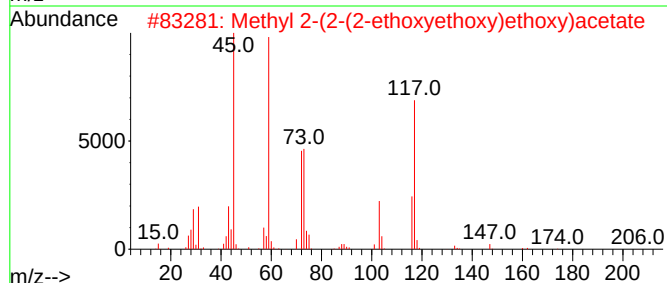
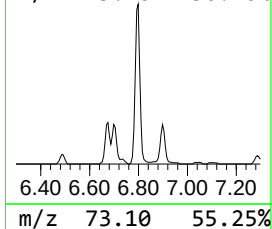
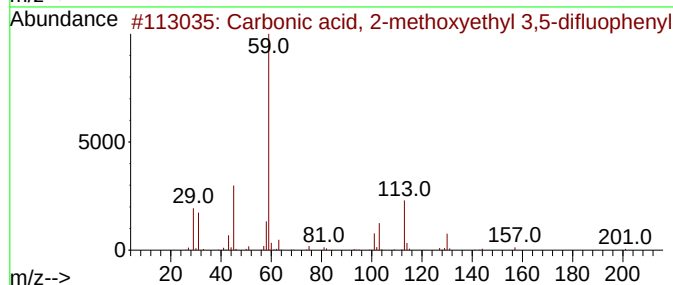
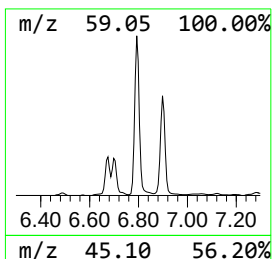
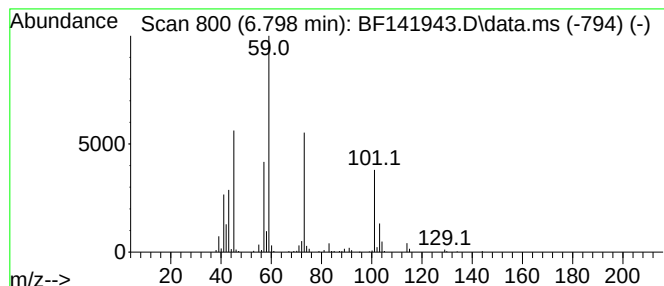
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF031025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 2 unknown6.798 Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.798	4.75 ng	257685	1,4-Dichlorobenzene-d4	6.875

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Carbonic acid, 2-methoxyethyl 3,...	232	C10H10F2O4	1000357-86-6	40
2			Methyl 2-(2-(2-ethoxyethoxy)etho...	206	C9H18O5	1000366-78-1	39
3			1-Propanol, 2-(2-methoxypropoxy)-	148	C7H16O3	013588-28-8	38
4			3-Pentanol	88	C5H12O	000584-02-1	38
5			Silane, trimethyl-	74	C3H10Si	000993-07-7	38



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF031325\
Data File : BF141943.D
Acq On : 13 Mar 2025 16:14
Operator : RC/JU
Sample : Q1539-01
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TAPIAL3-MW03D-031025-00-T1

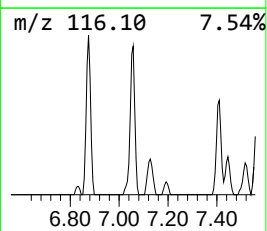
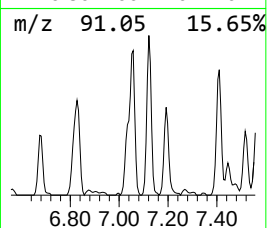
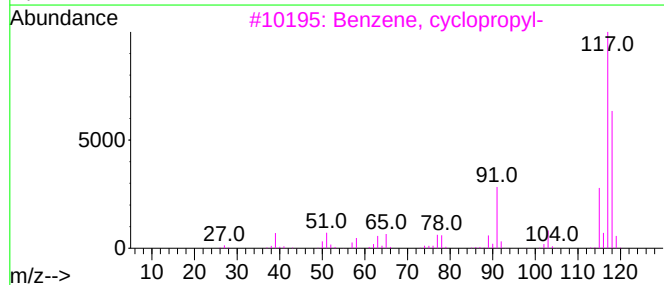
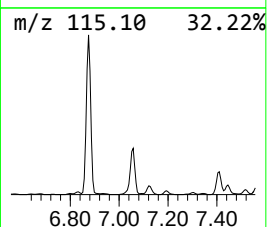
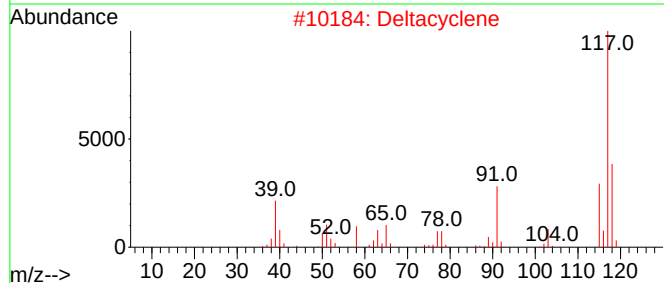
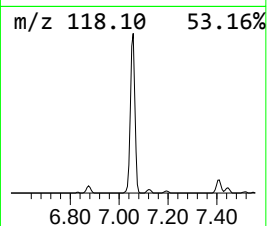
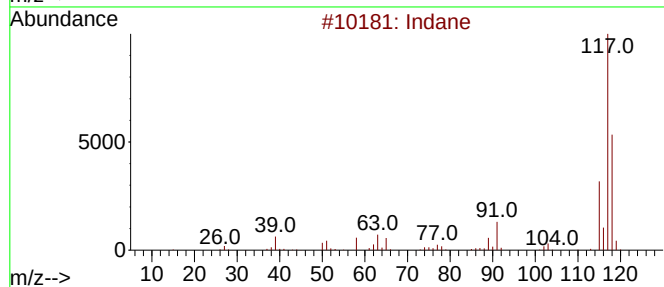
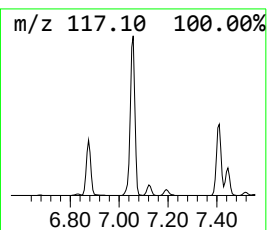
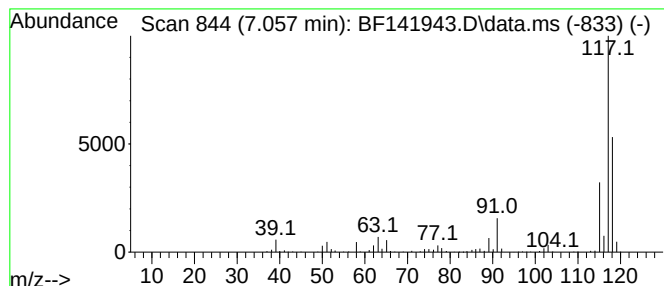
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 3 Indane Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.057	7.10 ng	384689	1,4-Dichlorobenzene-d4	6.875

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		Indane	118	C9H10	000496-11-7	93
2		Deltacyclene	118	C9H10	007785-10-6	80
3		Benzene, cyclopropyl-	118	C9H10	000873-49-4	80
4		Benzene, 2-propenyl-	118	C9H10	000300-57-2	72
5		Tetracyclo[3.3.1.0(2,8).0(4,6)]-...	118	C9H10	1000191-13-7	72



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF031325\
Data File : BF141943.D
Acq On : 13 Mar 2025 16:14
Operator : RC/JU
Sample : Q1539-01
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TAPIAL3-MW03D-031025-00-T1

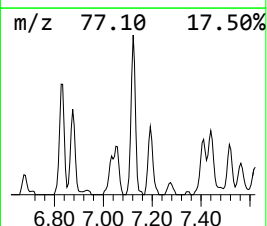
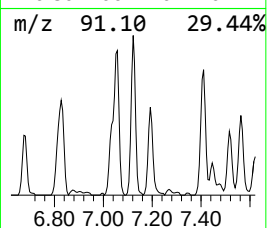
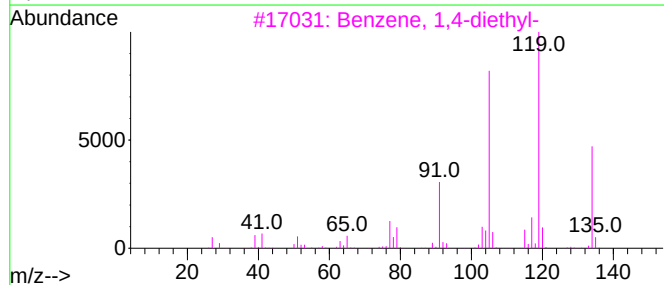
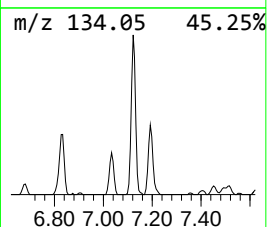
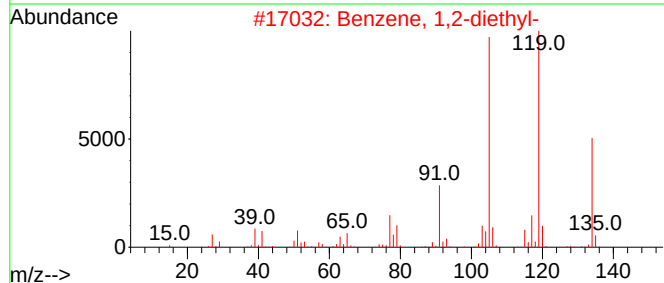
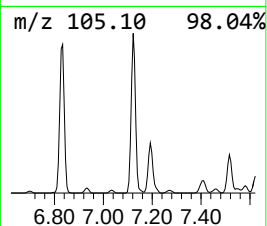
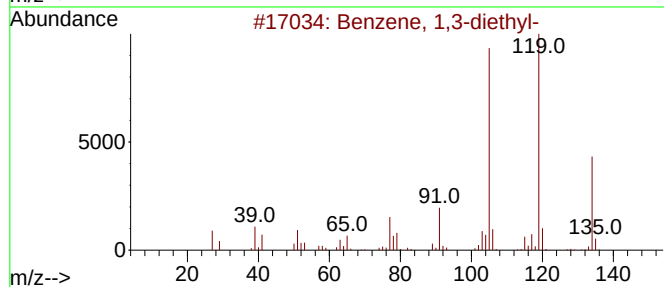
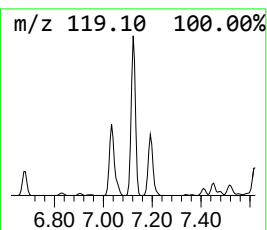
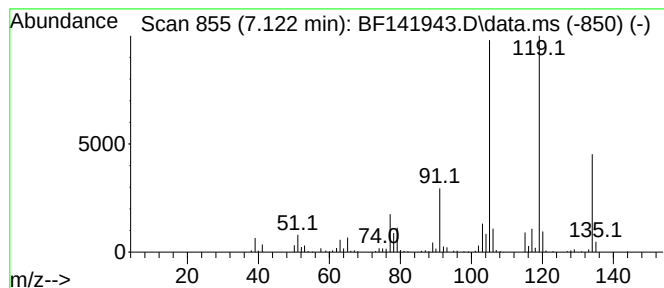
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 4 Benzene, 1,3-diethyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.122	5.37 ng	291366	1,4-Dichlorobenzene-d4	6.875

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzene, 1,3-diethyl-	134	C10H14	000141-93-5	97
2			Benzene, 1,2-diethyl-	134	C10H14	000135-01-3	96
3			Benzene, 1,4-diethyl-	134	C10H14	000105-05-5	95
4			Benzene, 1-ethyl-3,5-dimethyl-	134	C10H14	000934-74-7	91
5			Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	83



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF031325\
Data File : BF141943.D
Acq On : 13 Mar 2025 16:14
Operator : RC/JU
Sample : Q1539-01
Misc :
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Instrument :
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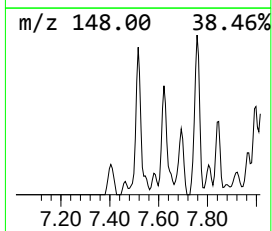
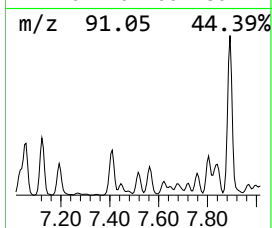
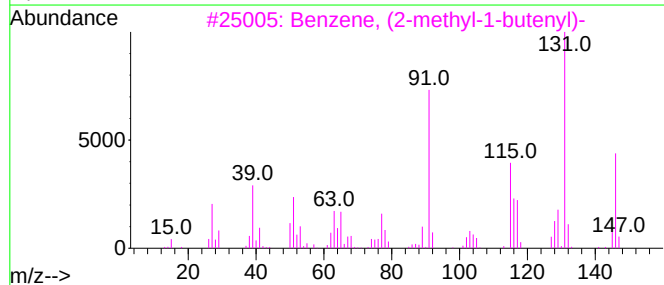
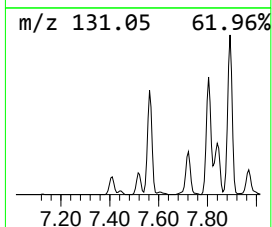
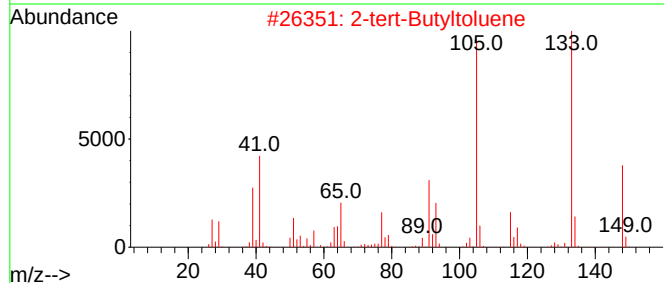
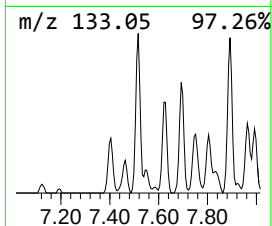
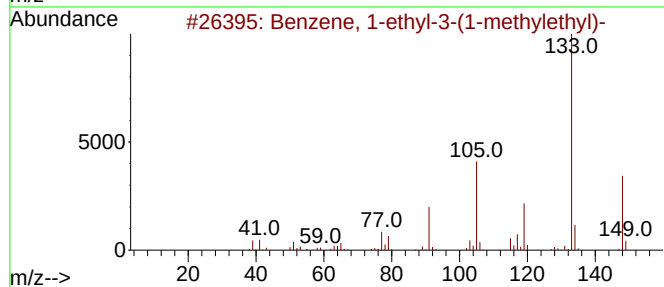
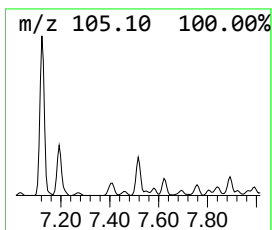
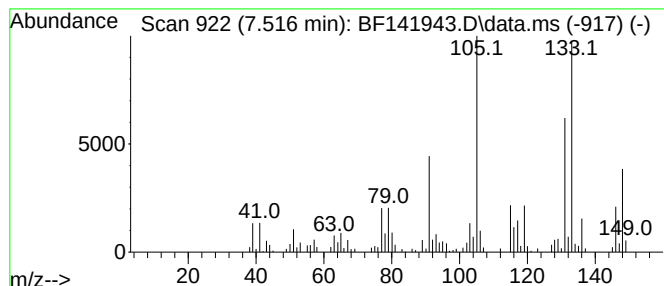
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 5 Benzene, 1-ethyl-3-(1-methy... Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.516	2.36 ng	127886	1,4-Dichlorobenzene-d4	6.875

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzene, 1-ethyl-3-(1-methylethyl)-	148	C11H16	004920-99-4	64
2			2-tert-Butyltoluene	148	C11H16	001074-92-6	53
3			Benzene, (2-methyl-1-butenyl)-	146	C11H14	056253-64-6	52
4			Naphthalene, 1,2,3,4-tetrahydro-...	146	C11H14	001559-81-5	51
5			Ethanone, 1-(2,4-dimethylphenyl)-	148	C10H12O	000089-74-7	50



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF031325\
Data File : BF141943.D
Acq On : 13 Mar 2025 16:14
Operator : RC/JU
Sample : Q1539-01
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TAPIAL3-MW03D-031025-00-T1

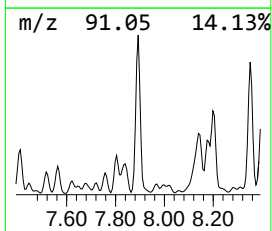
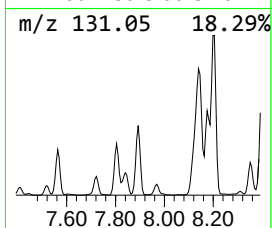
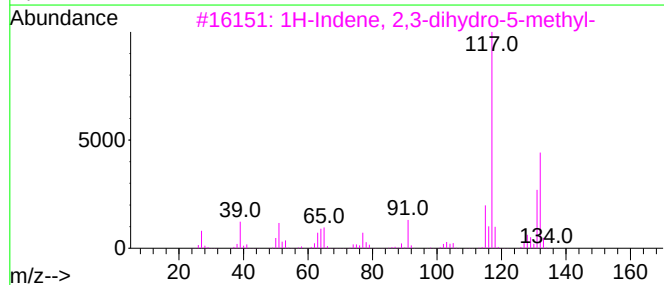
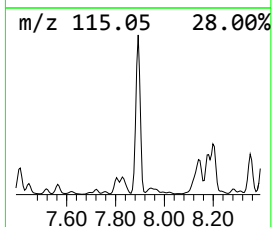
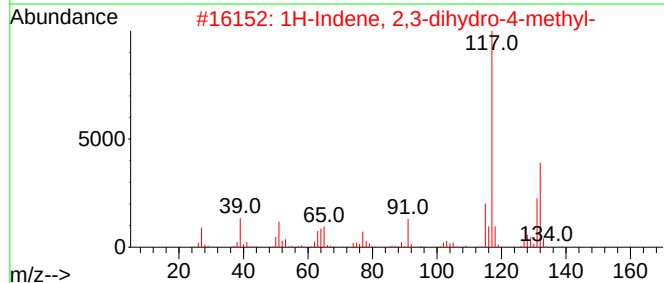
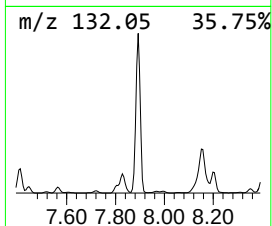
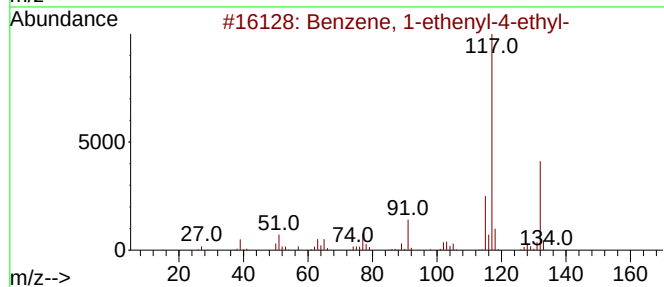
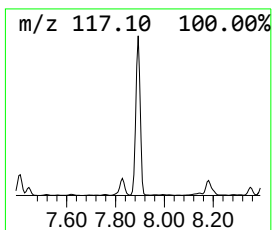
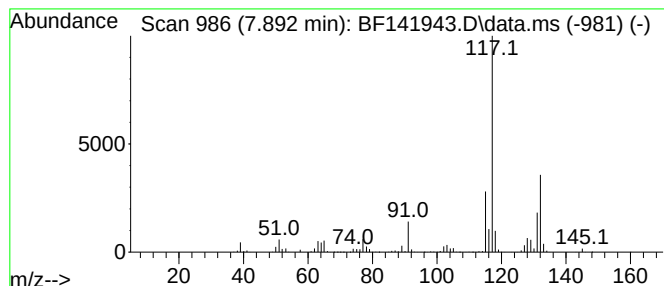
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 6 Benzene, 1-ethenyl-4-ethyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.892	9.89 ng	1095210	Naphthalene-d8	8.157

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzene, 1-ethenyl-4-ethyl-	132	C10H12	003454-07-7	94
2			1H-Indene, 2,3-dihydro-4-methyl-	132	C10H12	000824-22-6	93
3			1H-Indene, 2,3-dihydro-5-methyl-	132	C10H12	000874-35-1	93
4			3-Phenylbut-1-ene	132	C10H12	000934-10-1	90
5			Benzene, (2-methyl-1-propenyl)-	132	C10H12	000768-49-0	87



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF031325\
Data File : BF141943.D
Acq On : 13 Mar 2025 16:14
Operator : RC/JU
Sample : Q1539-01
Misc :
ALS Vial : 10 Sample Multiplier: 1

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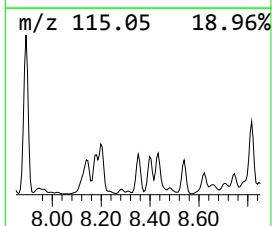
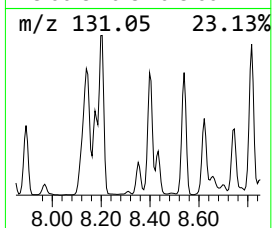
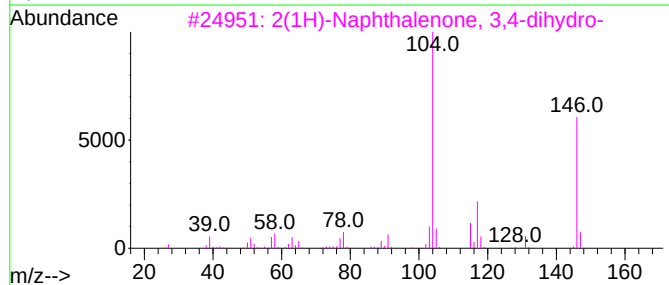
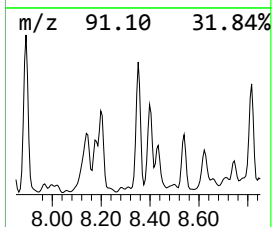
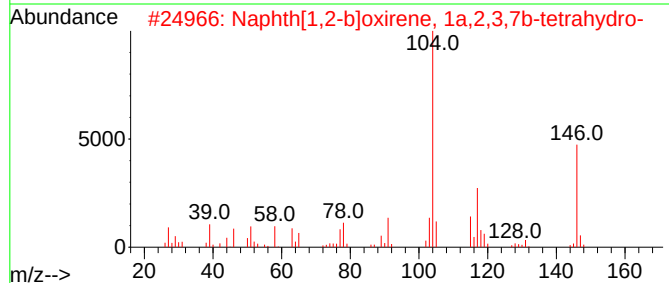
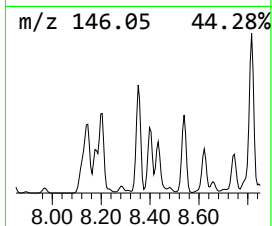
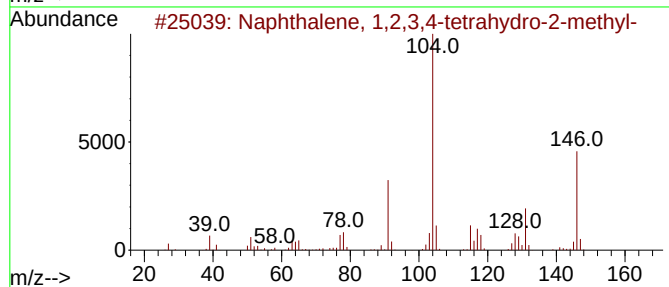
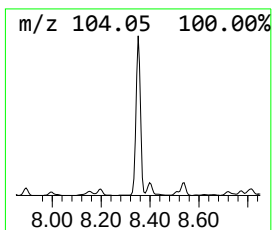
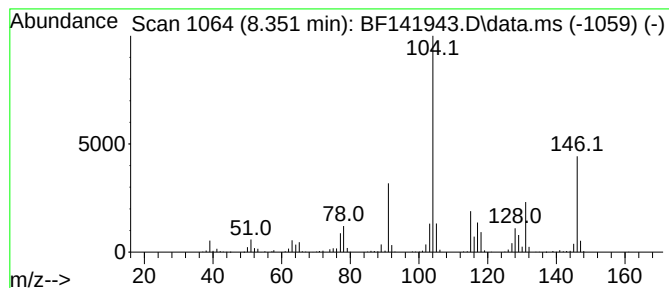
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 7 Naphthalene, 1,2,3,4-tetrahydro-... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.351	4.44 ng	491339	Naphthalene-d8	8.157

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Naphthalene, 1,2,3,4-tetrahydro-...	146	C11H14	003877-19-8	97
2			Naphth[1,2-b]oxirene, 1a,2,3,7b-...	146	C10H10O	002461-34-9	68
3			2(1H)-Naphthalenone, 3,4-dihydro-	146	C10H10O	000530-93-8	64
4			2-Azetidinone, 4-phenyl-	147	C9H9NO	005661-55-2	46
5			Formic acid, 2-phenylethyl ester	150	C9H10O2	000104-62-1	35



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF031325\
Data File : BF141943.D
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Sample : Q1539-01
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Instrument :
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ClientSampleId :
TAPIAL3-MW03D-031025-00-T1

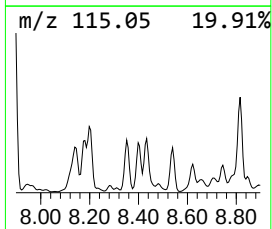
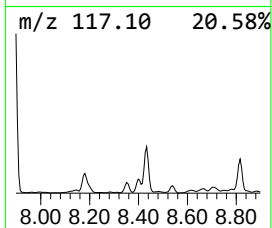
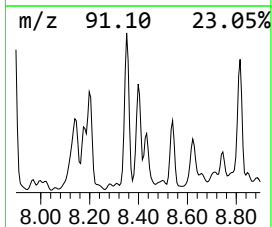
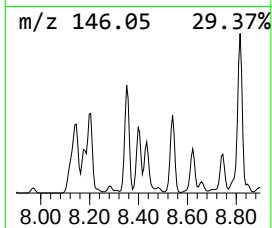
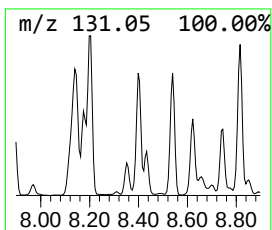
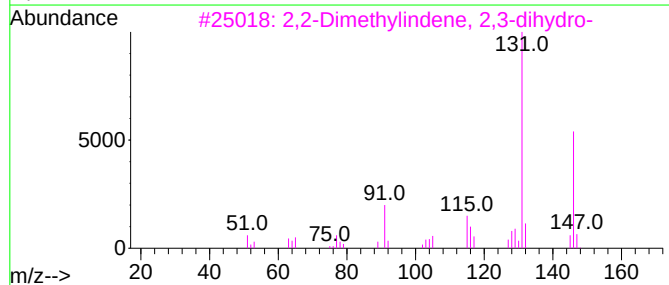
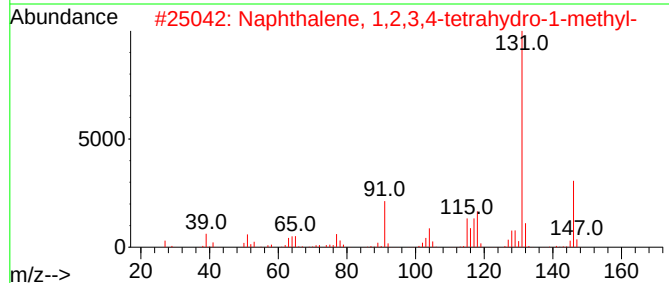
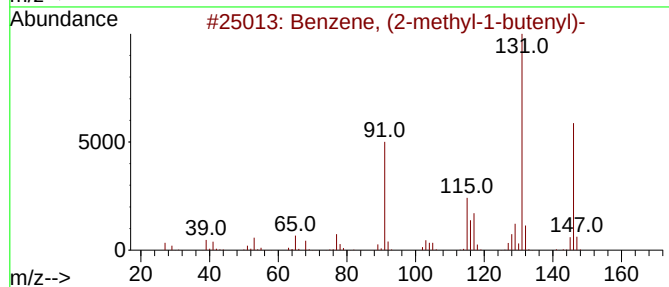
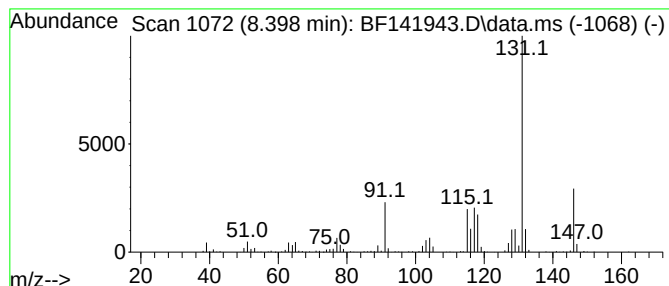
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 8 Benzene, (2-methyl-1-butenyl)- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.398	3.53 ng	391159	Naphthalene-d8	8.157

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzene, (2-methyl-1-butenyl)-	146	C11H14	056253-64-6	93
2			Naphthalene, 1,2,3,4-tetrahydro-...	146	C11H14	001559-81-5	91
3			2,2-Dimethylindene, 2,3-dihydro-	146	C11H14	020836-11-7	87
4			1H-Indene, 2,3-dihydro-4,7-dimet...	146	C11H14	006682-71-9	87
5			1H-Indene, 2,3-dihydro-1,6-dimet...	146	C11H14	017059-48-2	83



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF031325\
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ALS Vial : 10 Sample Multiplier: 1

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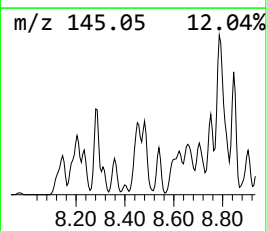
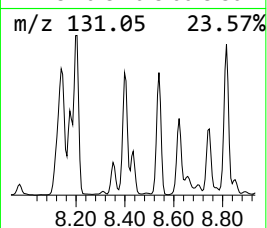
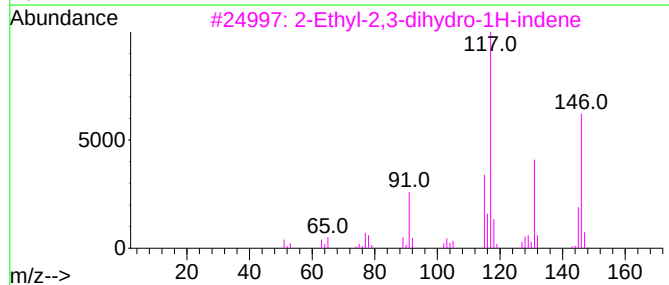
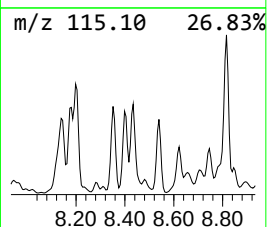
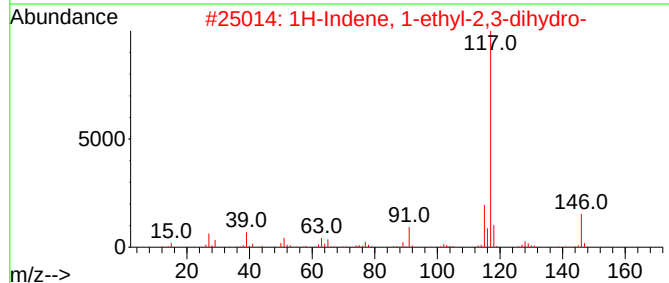
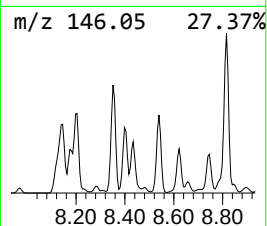
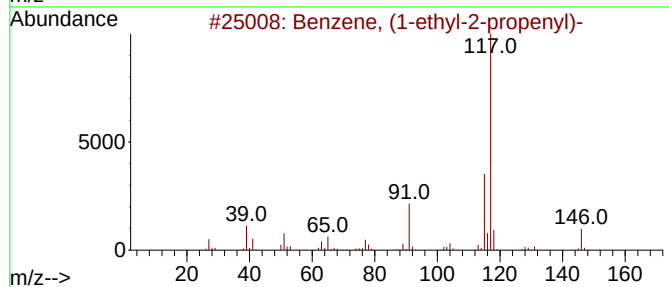
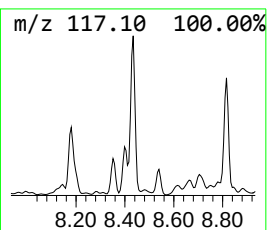
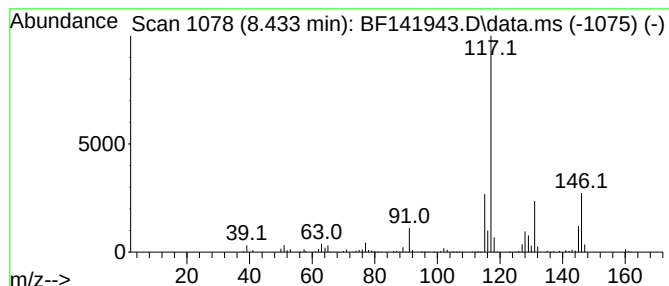
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 9 Benzene, (1-ethyl-2-propenyl)- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.433	2.34 ng	259705	Naphthalene-d8	8.157

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzene, (1-ethyl-2-propenyl)-	146	C11H14	019947-22-9	59
2			1H-Indene, 1-ethyl-2,3-dihydro-	146	C11H14	004830-99-3	59
3			2-Ethyl-2,3-dihydro-1H-indene	146	C11H14	056147-63-8	52
4			Bicyclo[4.2.1]nona-2,4,7-triene,...	146	C11H14	1000164-42-6	47
5			Benzene, (3-chloro-1-propenyl)-	152	C9H9Cl	002687-12-9	47



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF031325\
Data File : BF141943.D
Acq On : 13 Mar 2025 16:14
Operator : RC/JU
Sample : Q1539-01
Misc :
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Instrument :
BNA_F
ClientSampleId :
TAPIAL3-MW03D-031025-00-T1

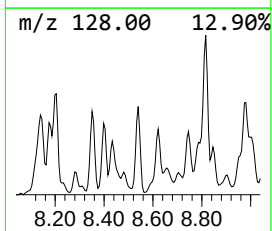
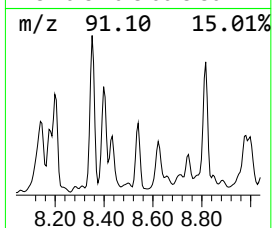
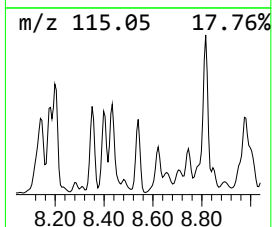
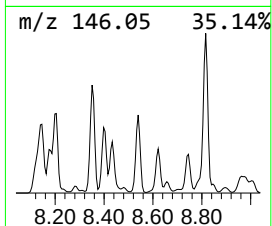
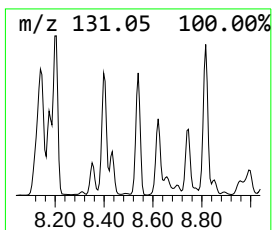
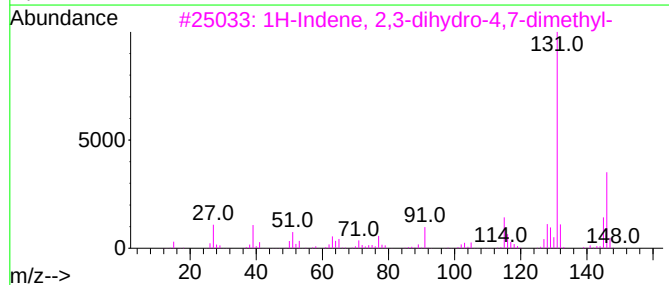
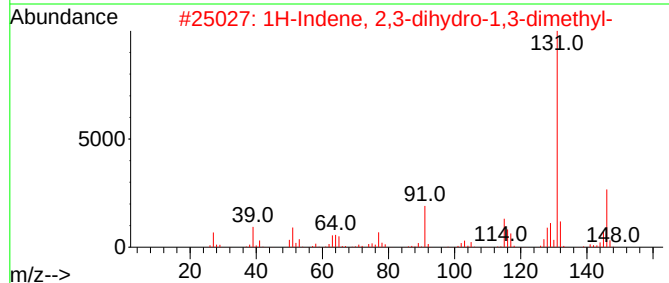
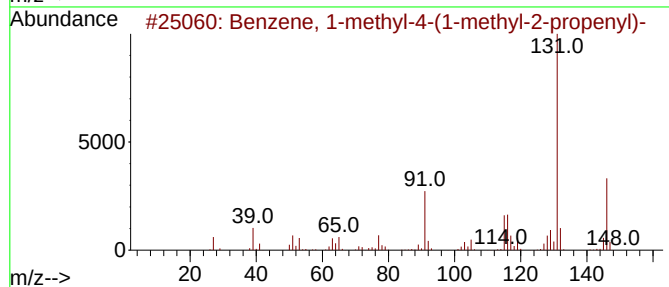
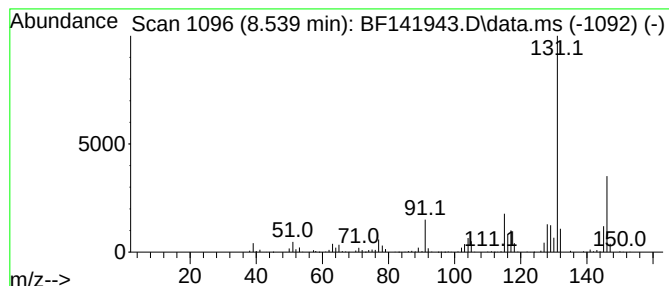
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 10 Benzene, 1-methyl-4-(1-meth... Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.539	3.60 ng	399213	Naphthalene-d8	8.157

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		Benzene, 1-methyl-4-(1-methyl-2-...	146	C11H14	097664-18-1	94
2		1H-Indene, 2,3-dihydro-1,3-dimet...	146	C11H14	004175-53-5	94
3		1H-Indene, 2,3-dihydro-4,7-dimet...	146	C11H14	006682-71-9	93
4		Benzene, (1,2-dimethyl-1-propenyl)-	146	C11H14	000769-57-3	93
5		1H-Indene, 2,3-dihydro-1,6-dimet...	146	C11H14	017059-48-2	91



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF031325\
Data File : BF141943.D
Acq On : 13 Mar 2025 16:14
Operator : RC/JU
Sample : Q1539-01
Misc :
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Instrument :
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ClientSampleId :
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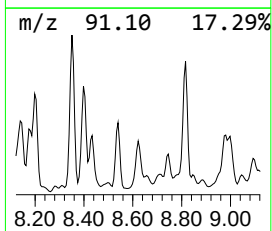
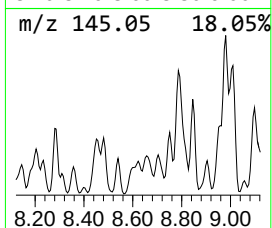
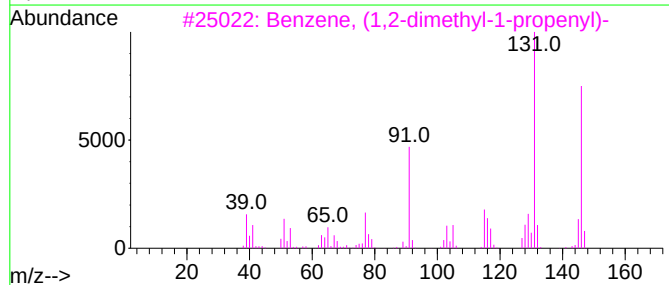
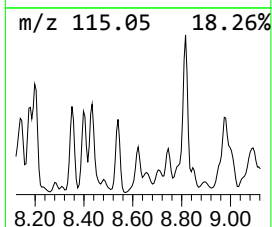
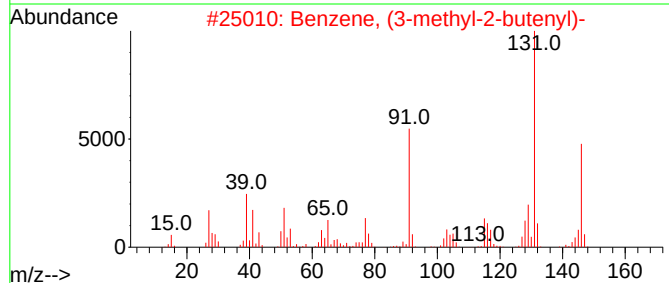
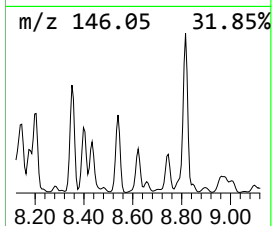
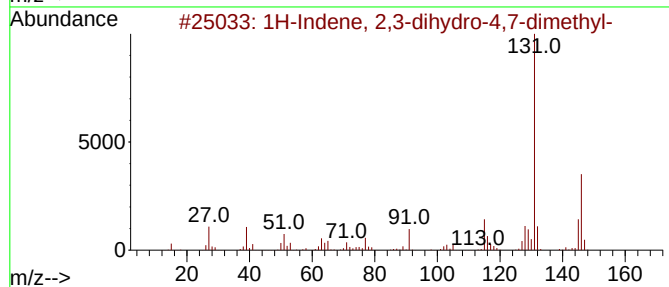
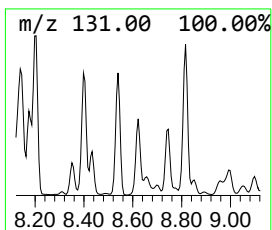
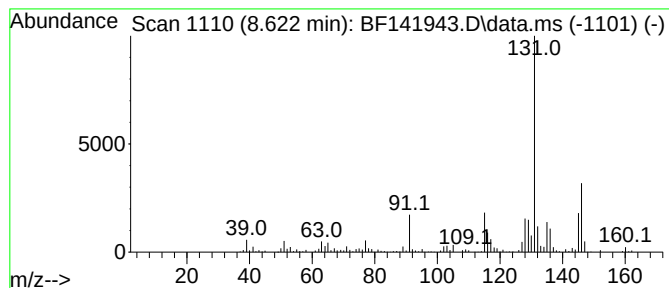
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 11 1H-Indene, 2,3-dihydro-4,7-... Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.622	3.87 ng	429225	Naphthalene-d8	8.157

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Indene, 2,3-dihydro-4,7-dimet...	146	C11H14		006682-71-9	94
2	Benzene, (3-methyl-2-butenyl)-	146	C11H14		004489-84-3	87
3	Benzene, (1,2-dimethyl-1-propenyl)-	146	C11H14		000769-57-3	87
4	1H-Indene, 2,3-dihydro-1,2-dimet...	146	C11H14		017057-82-8	87
5	1H-Indene, 2,3-dihydro-1,3-dimet...	146	C11H14		004175-53-5	87



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF031325\
Data File : BF141943.D
Acq On : 13 Mar 2025 16:14
Operator : RC/JU
Sample : Q1539-01
Misc :
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Instrument :
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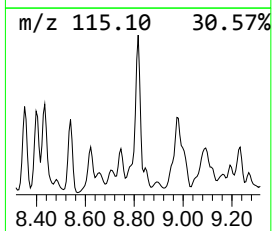
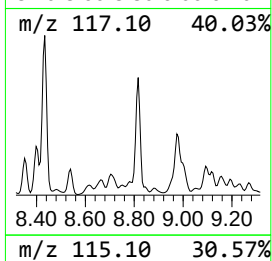
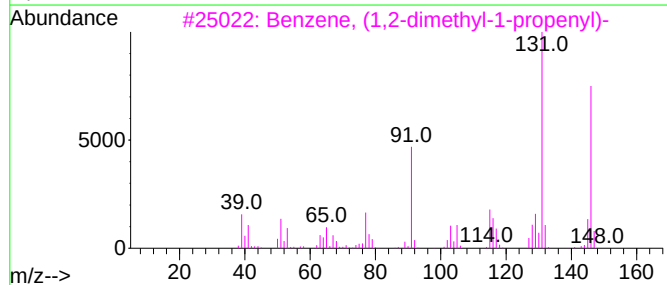
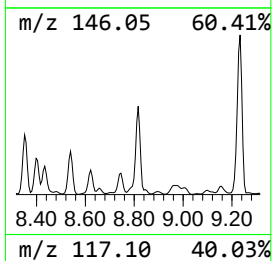
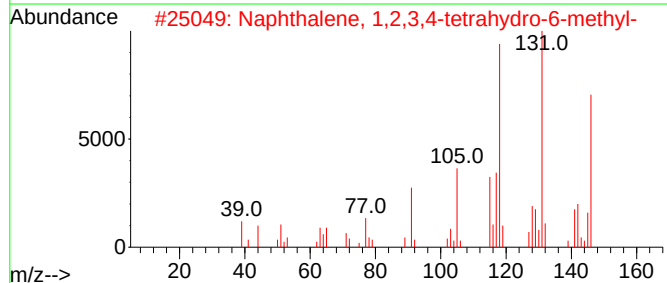
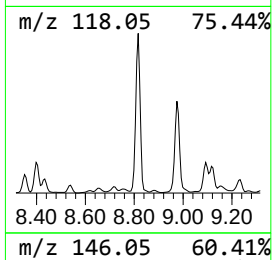
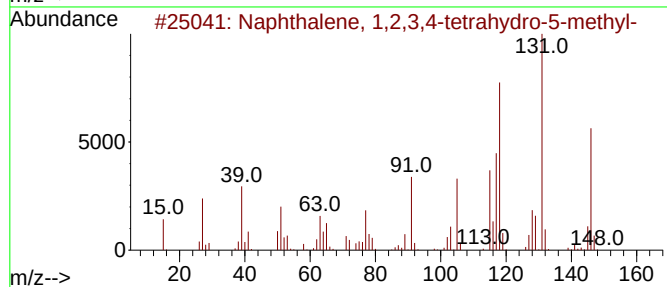
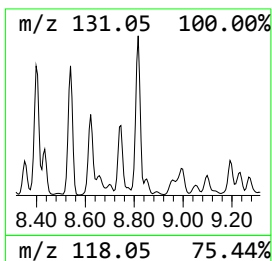
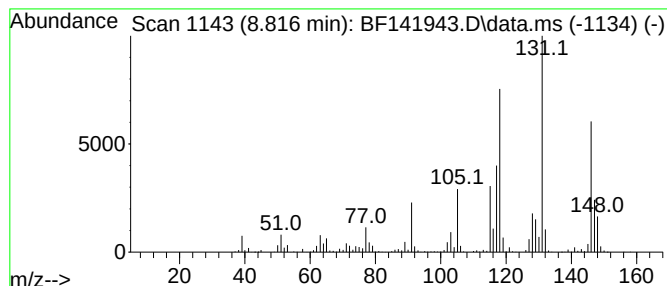
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 12 Naphthalene, 1,2,3,4-tetrahydro-... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.816	8.29 ng	918352	Naphthalene-d8	8.157

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Naphthalene, 1,2,3,4-tetrahydro-...	146	C11H14	002809-64-5	93
2			Naphthalene, 1,2,3,4-tetrahydro-...	146	C11H14	001680-51-9	93
3			Benzene, (1,2-dimethyl-1-propenyl)-	146	C11H14	000769-57-3	55
4			Benzene, (1-methylenebutyl)-	146	C11H14	005676-32-4	49
5			1H-Indene, 2,3-dihydro-4,7-dimet...	146	C11H14	006682-71-9	46



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF031325\
Data File : BF141943.D
Acq On : 13 Mar 2025 16:14
Operator : RC/JU
Sample : Q1539-01
Misc :
ALS Vial : 10 Sample Multiplier: 1

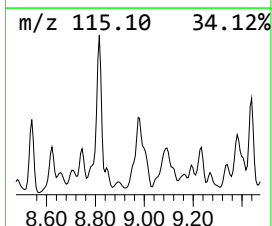
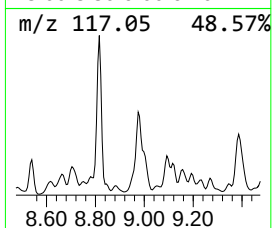
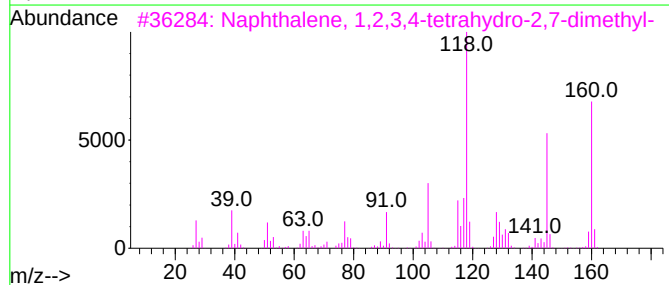
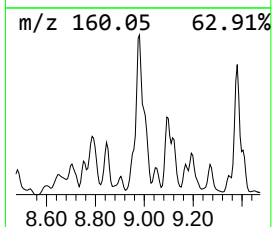
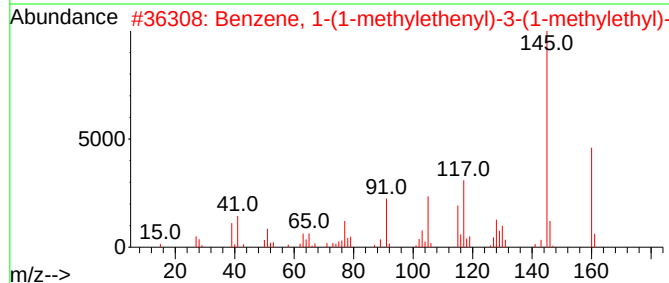
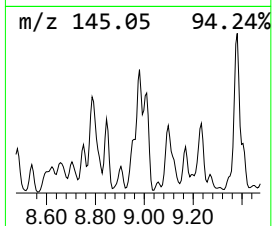
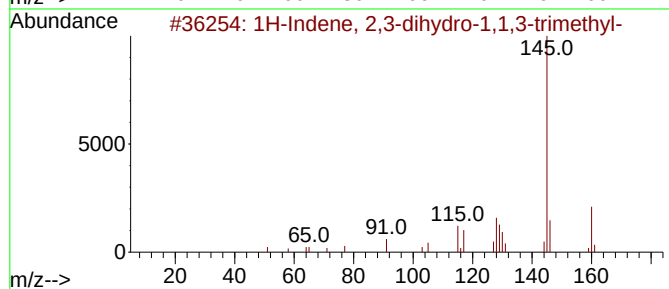
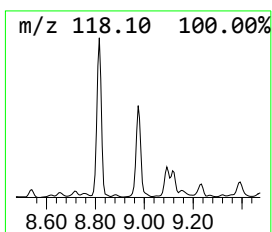
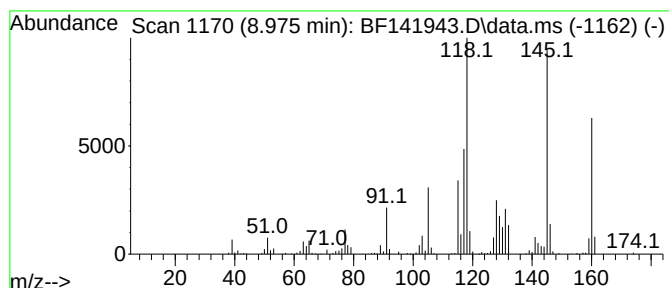
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 13 1H-Indene, 2,3-dihydro-1,1,... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.		
8.975	7.24 ng	802128	Naphthalene-d8	8.157		
Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		1H-Indene, 2,3-dihydro-1,1,3-tri...	160	C12H16	002613-76-5	92
2		Benzene, 1-(1-methylethenyl)-3-(...	160	C12H16	001129-29-9	64
3		Naphthalene, 1,2,3,4-tetrahydro-...	160	C12H16	013065-07-1	60
4		1H-Indene, 2,3-dihydro-1,1,5-tri...	160	C12H16	040650-41-7	50
5		Naphthalene, 1,2,3,4-tetrahydro-...	160	C12H16	001076-61-5	50



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF031325\
Data File : BF141943.D
Acq On : 13 Mar 2025 16:14
Operator : RC/JU
Sample : Q1539-01
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
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ClientSampleId :
TAPIAL3-MW03D-031025-00-T1

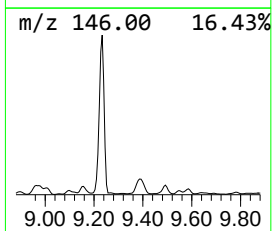
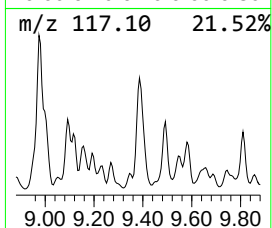
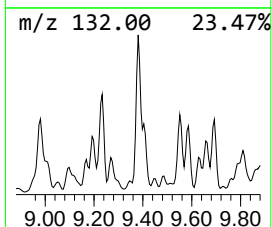
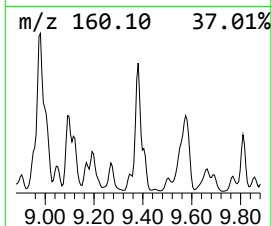
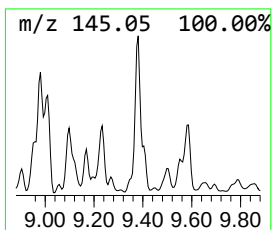
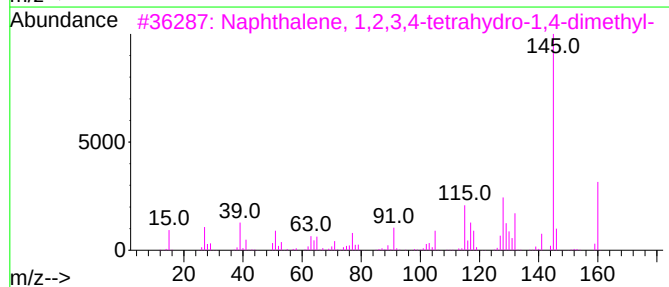
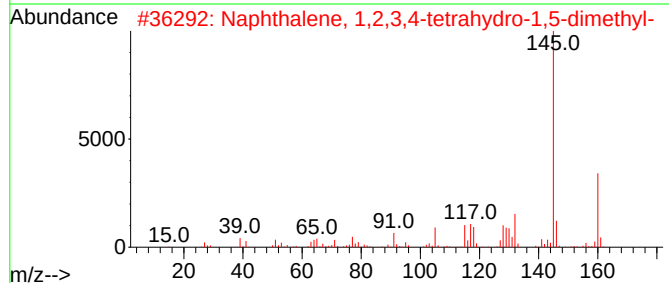
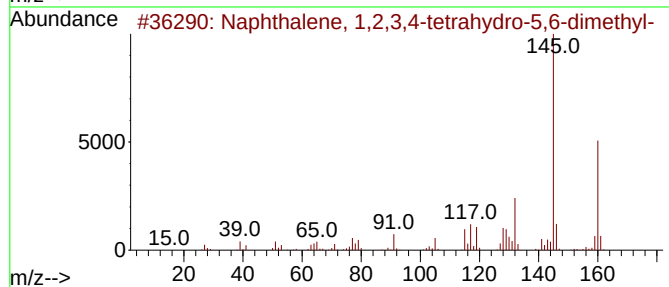
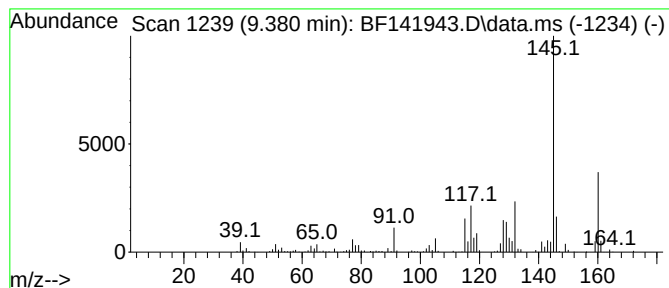
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 14 Naphthalene, 1,2,3,4-tetrahydro... Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.380	3.63 ng	346897	Acenaphthene-d10	9.910

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		Naphthalene, 1,2,3,4-tetrahydro-...	160	C12H16	020027-77-4	95
2		Naphthalene, 1,2,3,4-tetrahydro-...	160	C12H16	021564-91-0	94
3		Naphthalene, 1,2,3,4-tetrahydro-...	160	C12H16	004175-54-6	93
4		Naphthalene, 1,2,3,4-tetrahydro-...	160	C12H16	001076-61-5	93
5		Naphthalene, 1,2,3,4-tetrahydro-...	160	C12H16	021693-54-9	93



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF031325\
Data File : BF141943.D
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Sample : Q1539-01
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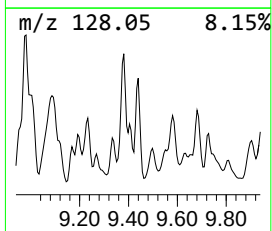
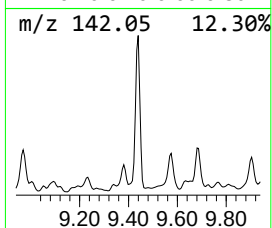
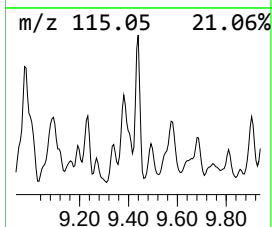
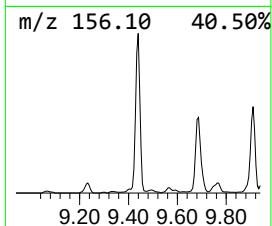
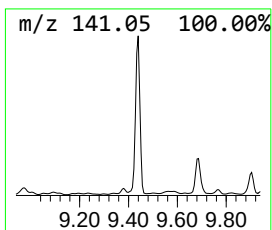
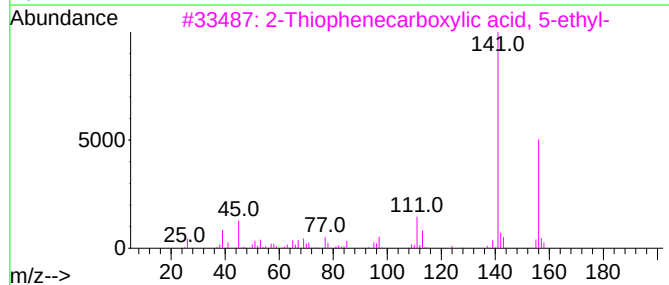
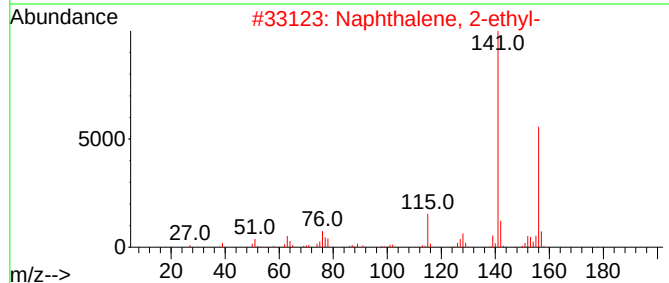
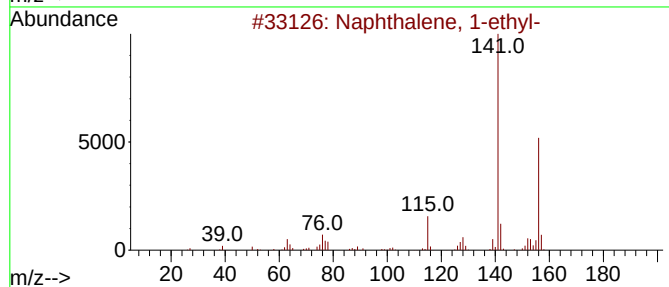
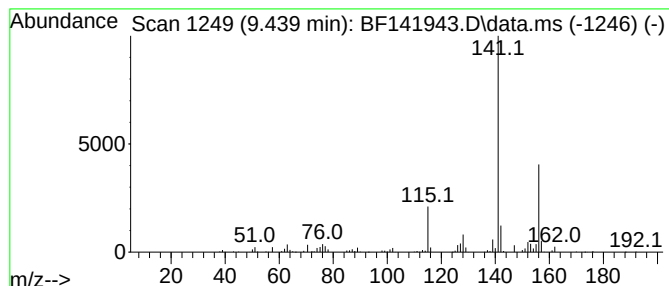
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 15 Naphthalene, 1-ethyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.439	3.05 ng	291360	Acenaphthene-d10	9.910

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Naphthalene, 1-ethyl-	156	C12H12	001127-76-0	96
2			Naphthalene, 2-ethyl-	156	C12H12	000939-27-5	96
3			2-Thiophenecarboxylic acid, 5-et...	156	C7H8O2S	023229-72-3	72
4			Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	72
5			2,4-Difluoromesitylene	156	C9H10F2	000392-61-0	64



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF031325\
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Sample : Q1539-01
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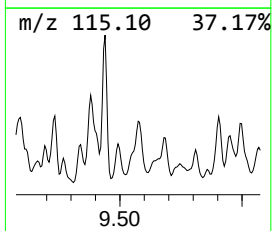
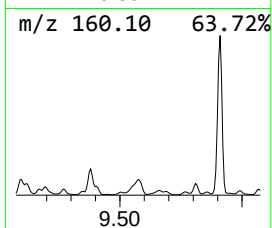
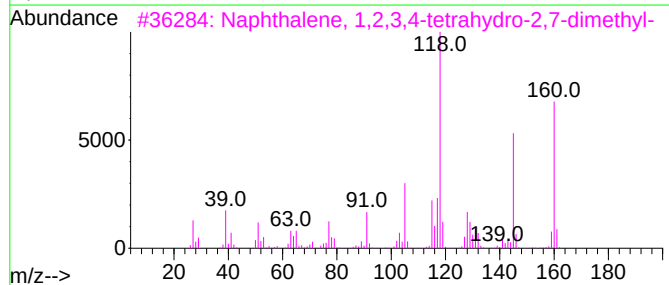
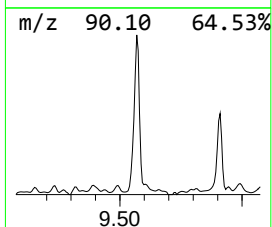
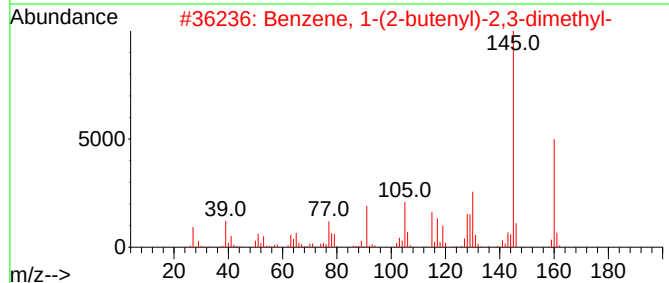
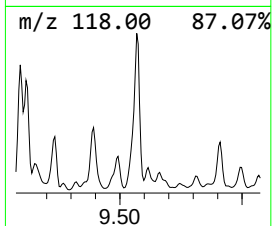
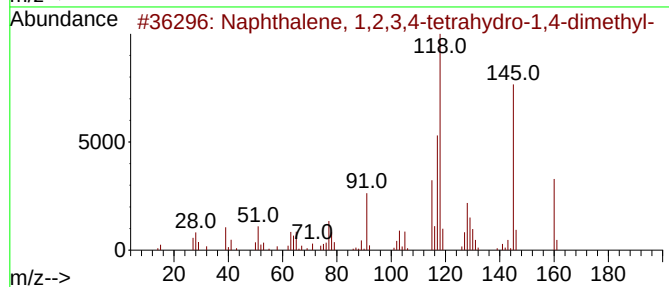
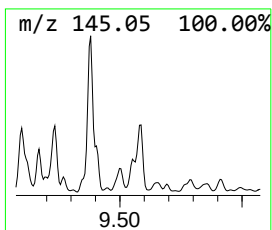
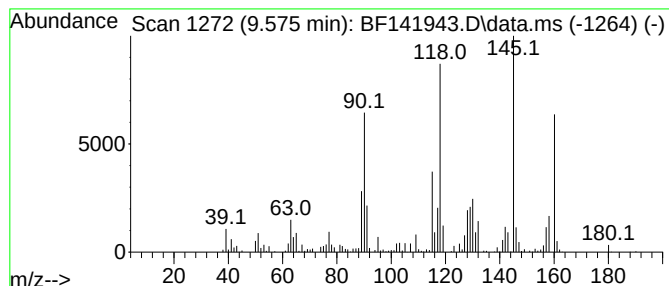
Instrument :
BNA_F
ClientSampleId :
TAPIAL3-MW03D-031025-00-T1

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF031025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 16 Naphthalene, 1,2,3,4-tetrahydro-... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.	
9.575	4.40 ng	420827	Acenaphthene-d10	9.910	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,2,3,4-tetrahydro-...	160	C12H16	004175-54-6	83
2	Benzene, 1-(2-butenyl)-2,3-dimet...	160	C12H16	054340-85-1	55
3	Naphthalene, 1,2,3,4-tetrahydro-...	160	C12H16	013065-07-1	53
4	Benzene, 1,2,4-trimethyl-5-(1-me...	160	C12H16	054340-84-0	50
5	Benzene, 1,3,5-trimethyl-2-(1-me...	160	C12H16	014679-13-1	46



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF031325\
Data File : BF141943.D
Acq On : 13 Mar 2025 16:14
Operator : RC/JU
Sample : Q1539-01
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TAPIAL3-MW03D-031025-00-T1

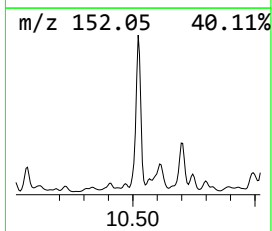
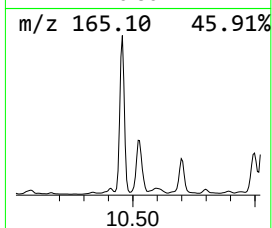
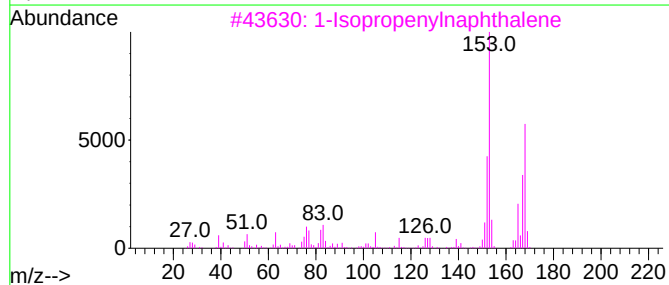
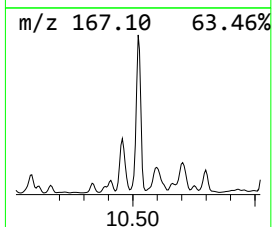
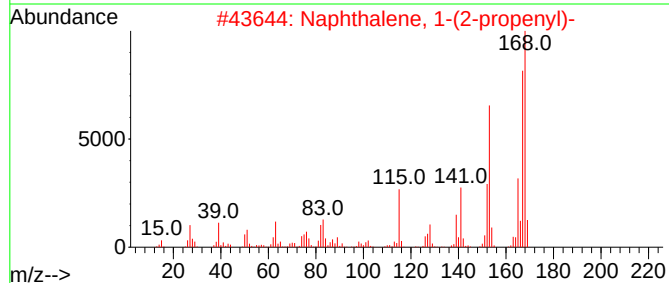
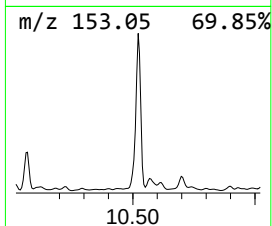
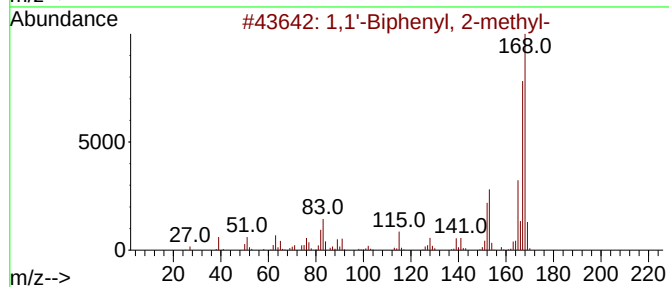
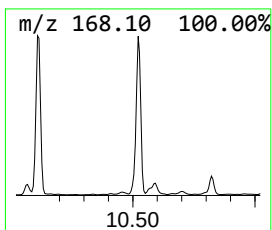
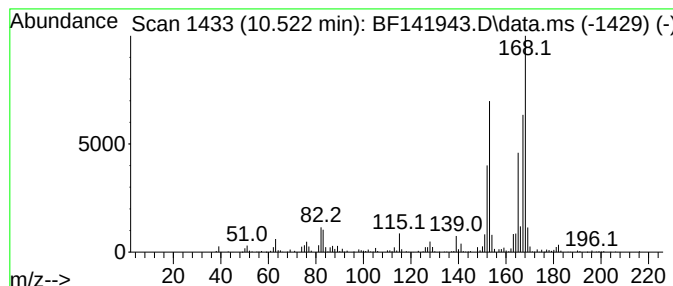
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 17 1,1'-Biphenyl, 2-methyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.522	5.00 ng	477861	Acenaphthene-d10	9.910

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		1,1'-Biphenyl, 2-methyl-	168	C13H12	000643-58-3	81
2		Naphthalene, 1-(2-propenyl)-	168	C13H12	002489-86-3	68
3		1-Isopropenylnaphthalene	168	C13H12	001855-47-6	64
4		1,1'-Biphenyl, 3-methyl-	168	C13H12	000643-93-6	60
5		Benzene, [1-(2,4-cyclopentadien-...	168	C13H12	002320-32-3	53



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF031325\
Data File : BF141943.D
Acq On : 13 Mar 2025 16:14
Operator : RC/JU
Sample : Q1539-01
Misc :
ALS Vial : 10 Sample Multiplier: 1

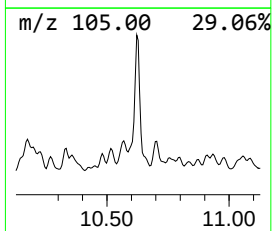
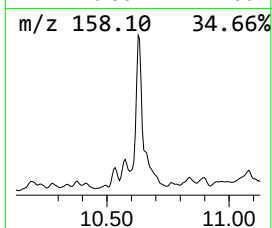
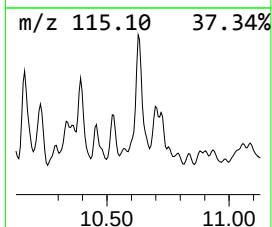
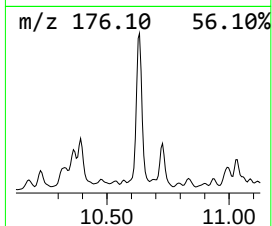
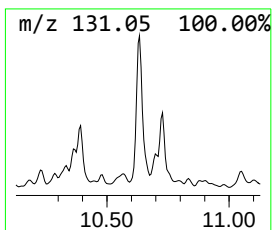
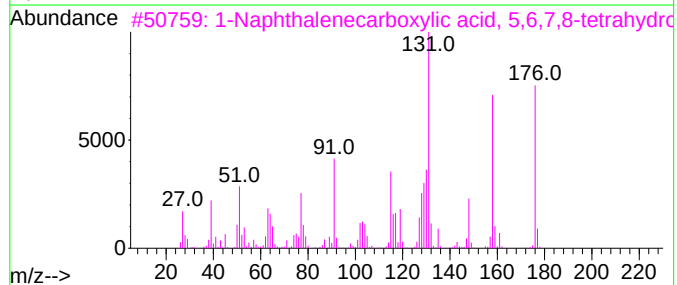
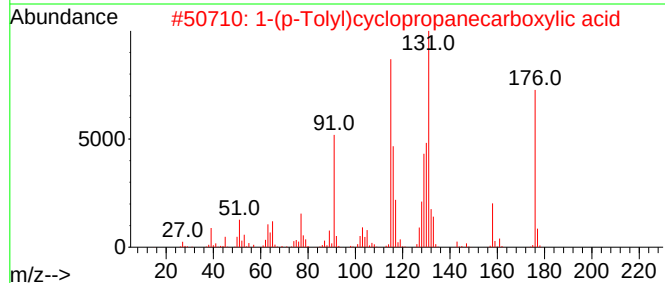
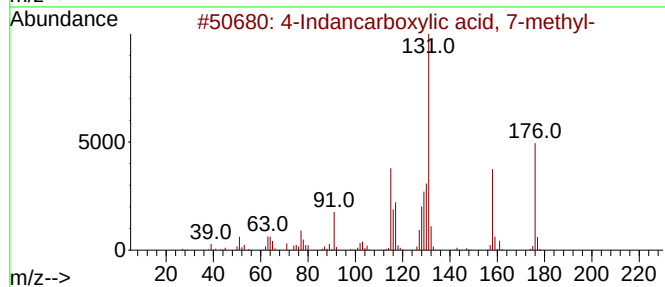
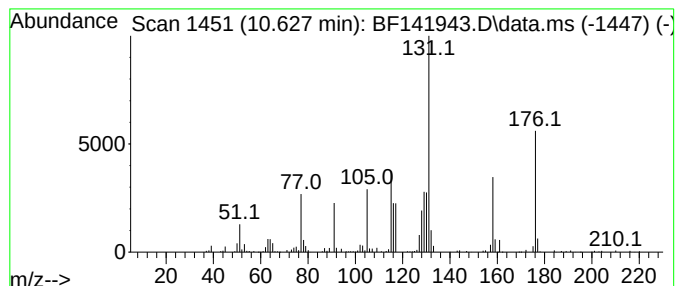
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BNA_F
ClientSampleId :
TAPIAL3-MW03D-031025-00-T1

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF031025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 18 4-Indancarboxylic acid, 7-m... Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.	
10.627	3.21 ng	306770	Acenaphthene-d10	9.910	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4-Indancarboxylic acid, 7-methyl-	176	C11H12O2	071042-74-5	98
2	1-(p-Tolyl)cyclopropanecarboxyli...	176	C11H12O2	083846-66-6	76
3	1-Naphthalenecarboxylic acid, 5,...	176	C11H12O2	004242-18-6	72
4	2,3-Dihydro-1H-inden-5-ylacetic ...	176	C11H12O2	005453-98-5	64
5	2-(1,2,3,4-Tetrahydronaphthalen-...	176	C12H16O	068480-12-6	52



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF031325\
Data File : BF141943.D
Acq On : 13 Mar 2025 16:14
Operator : RC/JU
Sample : Q1539-01
Misc :
ALS Vial : 10 Sample Multiplier: 1

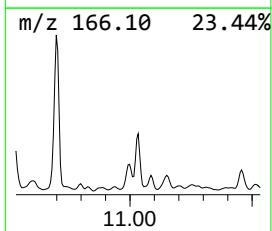
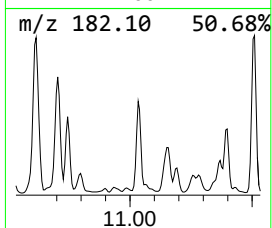
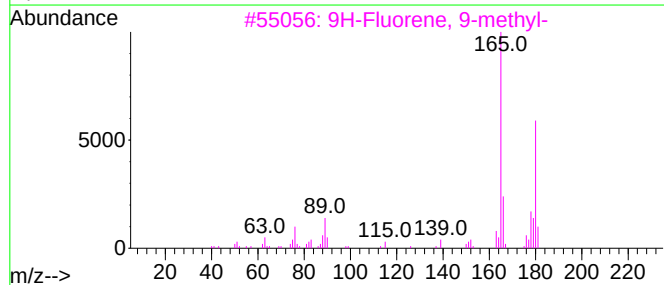
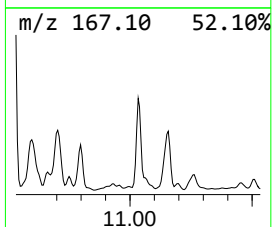
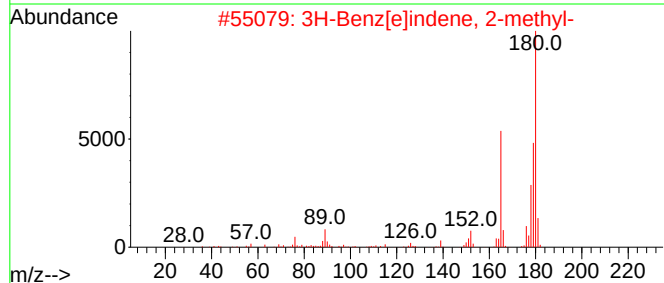
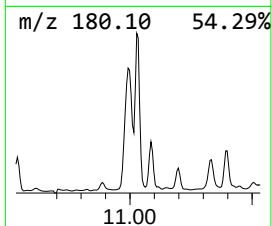
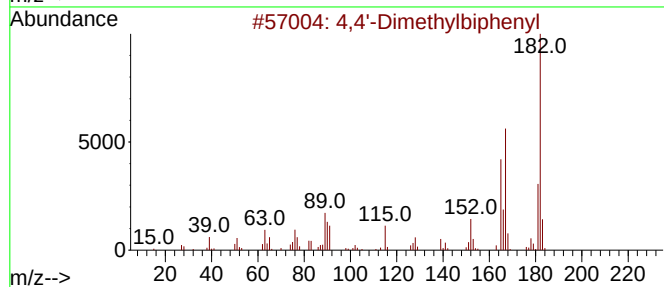
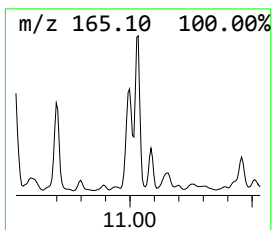
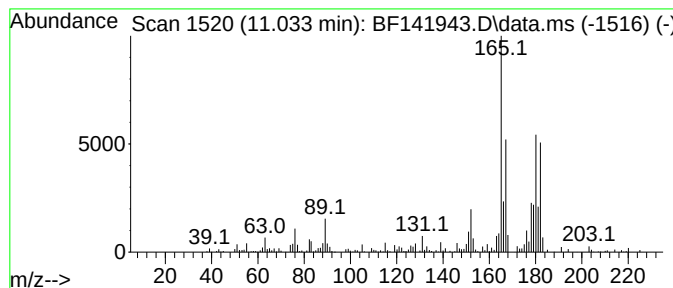
Instrument :
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ClientSampleId :
TAPIAL3-MW03D-031025-00-T1

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF031025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 19 4,4'-Dimethylbiphenyl Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.	
11.033	2.78 ng	236839	Phenanthrene-d10	11.398	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4,4'-Dimethylbiphenyl	182	C14H14	000613-33-2	55
2	3H-Benz[e]indene, 2-methyl-	180	C14H12	150096-60-9	55
3	9H-Fluorene, 9-methyl-	180	C14H12	002523-37-7	50
4	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	46
5	1H,2H,3H-Cyclopenta[a]naphthalen...	182	C14H14	001624-22-2	46



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF031325\
Data File : BF141943.D
Acq On : 13 Mar 2025 16:14
Operator : RC/JU
Sample : Q1539-01
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TAPIAL3-MW03D-031025-00-T1

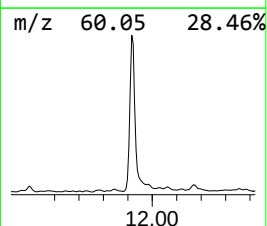
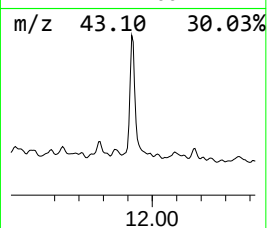
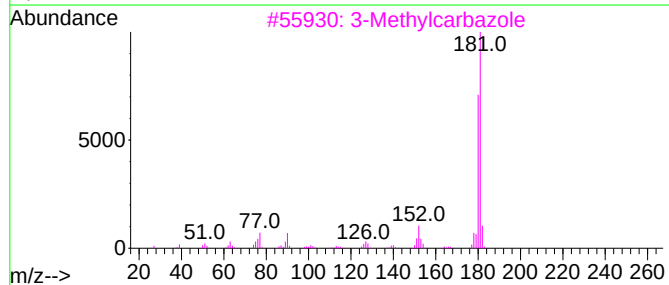
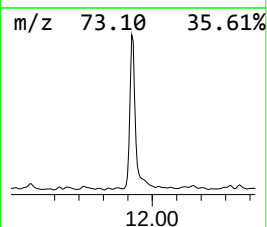
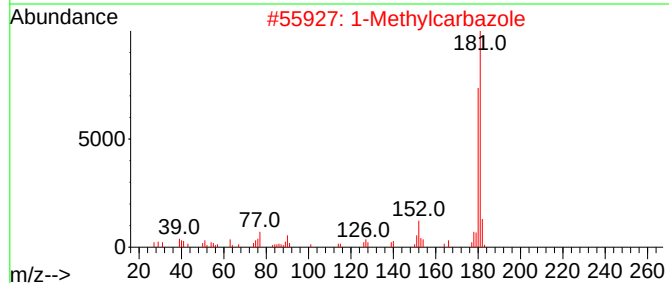
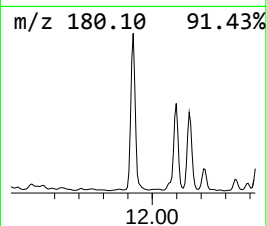
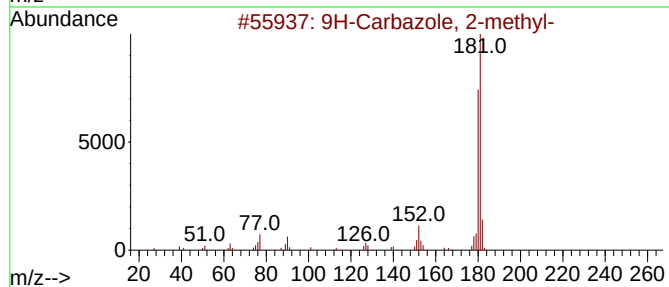
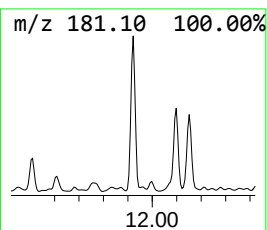
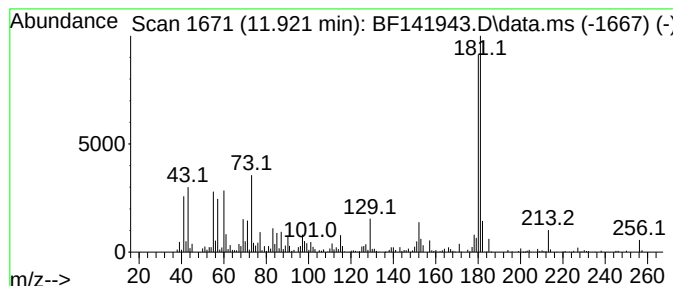
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF031025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 20 9H-Carbazole, 2-methyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.922	3.42 ng	291253	Phenanthrene-d10	11.398

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		9H-Carbazole, 2-methyl-	181	C13H11N	003652-91-3	96
2		1-Methylcarbazole	181	C13H11N	006510-65-2	96
3		3-Methylcarbazole	181	C13H11N	004630-20-0	96
4		4-Methylcarbazole	181	C13H11N	003770-48-7	91
5		4aH-carbazole, 6-methyl-	181	C13H11N	1000404-86-1	87



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF031325\
Data File : BF141943.D
Acq On : 13 Mar 2025 16:14
Operator : RC/JU
Sample : Q1539-01
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TAPIAL3-MW03D-031025-00-T1

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF031025.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
Butane, 2-metho...	2.199	105.8	ng	5735590	1	6.875	1084200	20.0
unknown6.798	6.798	4.8	ng	257685	1	6.875	1084200	20.0
Indane	7.057	7.1	ng	384689	1	6.875	1084200	20.0
Benzene, 1,3-di...	7.122	5.4	ng	291366	1	6.875	1084200	20.0
Benzene, 1-ethy...	7.516	2.4	ng	127886	1	6.875	1084200	20.0
Benzene, 1-ethe...	7.892	9.9	ng	1095210	2	8.157	2215450	20.0
Naphthalene, 1,...	8.351	4.4	ng	491339	2	8.157	2215450	20.0
Benzene, (2-met...	8.398	3.5	ng	391159	2	8.157	2215450	20.0
Benzene, (1-eth...	8.433	2.3	ng	259705	2	8.157	2215450	20.0
Benzene, 1-meth...	8.539	3.6	ng	399213	2	8.157	2215450	20.0
1H-Indene, 2,3-...	8.622	3.9	ng	429225	2	8.157	2215450	20.0
Naphthalene, 1,...	8.816	8.3	ng	918352	2	8.157	2215450	20.0
1H-Indene, 2,3-...	8.975	7.2	ng	802128	2	8.157	2215450	20.0
Naphthalene, 1,...	9.380	3.6	ng	346897	3	9.910	1911320	20.0
Naphthalene, 1-...	9.439	3.0	ng	291360	3	9.910	1911320	20.0
Naphthalene, 1,...	9.575	4.4	ng	420827	3	9.910	1911320	20.0
1,1'-Biphenyl, ...	10.522	5.0	ng	477861	3	9.910	1911320	20.0
4-Indancarboxyl...	10.627	3.2	ng	306770	3	9.910	1911320	20.0
4,4'-Dimethylbi...	11.033	2.8	ng	236839	4	11.398	1700930	20.0
9H-Carbazole, 2...	11.922	3.4	ng	291253	4	11.398	1700930	20.0

Report of Analysis

Client:	Weston Solutions	Date Collected:	03/10/25
Project:	Ft Meade Tipton Airfield Parcel RI - PO 0111169	Date Received:	03/11/25
Client Sample ID:	TAPFTA-MW01I-031025-00-T2	SDG No.:	Q1539
Lab Sample ID:	Q1539-02	Matrix:	Water
Analytical Method:	SW8270	% Solid:	0
Sample Wt/Vol:	930 Units: mL	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 :	SW3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF141944.D	1	03/12/25 08:45	03/13/25 16:44	PB167097

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
100-52-7	Benzaldehyde	8.60	U	4.20	8.60	10.8	ug/L
108-95-2	Phenol	4.30	U	0.98	4.30	5.40	ug/L
111-44-4	bis(2-Chloroethyl)ether	4.30	U	0.87	4.30	5.40	ug/L
95-57-8	2-Chlorophenol	4.30	U	0.62	4.30	5.40	ug/L
95-48-7	2-Methylphenol	4.30	U	1.20	4.30	5.40	ug/L
108-60-1	2,2-oxybis(1-Chloropropane)	4.30	U	1.40	4.30	5.40	ug/L
98-86-2	Acetophenone	4.30	U	0.80	4.30	5.40	ug/L
65794-96-9	3+4-Methylphenols	8.60	U	1.20	8.60	10.8	ug/L
621-64-7	n-Nitroso-di-n-propylamine	2.70	U	1.50	2.70	2.70	ug/L
67-72-1	Hexachloroethane	4.30	U	0.70	4.30	5.40	ug/L
98-95-3	Nitrobenzene	4.30	U	0.82	4.30	5.40	ug/L
78-59-1	Isophorone	4.30	U	0.81	4.30	5.40	ug/L
88-75-5	2-Nitrophenol	4.30	U	1.90	4.30	5.40	ug/L
105-67-9	2,4-Dimethylphenol	4.30	U	2.00	4.30	5.40	ug/L
111-91-1	bis(2-Chloroethoxy)methane	4.30	U	0.73	4.30	5.40	ug/L
120-83-2	2,4-Dichlorophenol	4.30	U	0.56	4.30	5.40	ug/L
91-20-3	Naphthalene	4.30	U	0.54	4.30	5.40	ug/L
106-47-8	4-Chloroaniline	4.30	UQ	0.90	4.30	5.40	ug/L
87-68-3	Hexachlorobutadiene	4.30	U	0.58	4.30	5.40	ug/L
105-60-2	Caprolactam	8.60	U	1.20	8.60	10.8	ug/L
59-50-7	4-Chloro-3-methylphenol	4.30	U	0.63	4.30	5.40	ug/L
91-57-6	2-Methylnaphthalene	4.30	U	0.60	4.30	5.40	ug/L
77-47-4	Hexachlorocyclopentadiene	8.60	UQ	3.90	8.60	10.8	ug/L
88-06-2	2,4,6-Trichlorophenol	4.30	U	0.55	4.30	5.40	ug/L
95-95-4	2,4,5-Trichlorophenol	4.30	U	0.67	4.30	5.40	ug/L
92-52-4	1,1-Biphenyl	4.30	U	0.57	4.30	5.40	ug/L
91-58-7	2-Chloronaphthalene	4.30	U	0.66	4.30	5.40	ug/L
88-74-4	2-Nitroaniline	4.30	U	1.40	4.30	5.40	ug/L
131-11-3	Dimethylphthalate	4.30	U	0.66	4.30	5.40	ug/L

Report of Analysis

Client:	Weston Solutions	Date Collected:	03/10/25
Project:	Ft Meade Tipton Airfield Parcel RI - PO 0111169	Date Received:	03/11/25
Client Sample ID:	TAPFTA-MW01I-031025-00-T2	SDG No.:	Q1539
Lab Sample ID:	Q1539-02	Matrix:	Water
Analytical Method:	SW8270	% Solid:	0
Sample Wt/Vol:	930 Units: mL	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 :	SW3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF141944.D	1	03/12/25 08:45	03/13/25 16:44	PB167097

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
208-96-8	Acenaphthylene	4.30	U	0.81	4.30	5.40	ug/L
606-20-2	2,6-Dinitrotoluene	4.30	U	0.99	4.30	5.40	ug/L
99-09-2	3-Nitroaniline	4.30	U	1.10	4.30	5.40	ug/L
83-32-9	Acenaphthene	4.30	U	0.59	4.30	5.40	ug/L
51-28-5	2,4-Dinitrophenol	8.60	U	6.40	8.60	10.8	ug/L
100-02-7	4-Nitrophenol	8.60	U	2.60	8.60	10.8	ug/L
132-64-9	Dibenzofuran	4.30	U	0.66	4.30	5.40	ug/L
121-14-2	2,4-Dinitrotoluene	4.30	U	1.30	4.30	5.40	ug/L
84-66-2	Diethylphthalate	4.30	U	0.74	4.30	5.40	ug/L
7005-72-3	4-Chlorophenyl-phenylether	4.30	U	0.73	4.30	5.40	ug/L
86-73-7	Fluorene	4.30	U	0.68	4.30	5.40	ug/L
100-01-6	4-Nitroaniline	4.30	U	1.60	4.30	5.40	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	8.60	U	3.10	8.60	10.8	ug/L
86-30-6	n-Nitrosodiphenylamine	4.30	U	0.62	4.30	5.40	ug/L
101-55-3	4-Bromophenyl-phenylether	4.30	U	0.43	4.30	5.40	ug/L
118-74-1	Hexachlorobenzene	4.30	U	0.56	4.30	5.40	ug/L
1912-24-9	Atrazine	4.30	U	1.10	4.30	5.40	ug/L
87-86-5	Pentachlorophenol	8.60	U	1.70	8.60	10.8	ug/L
85-01-8	Phenanthrene	4.30	U	0.54	4.30	5.40	ug/L
120-12-7	Anthracene	4.30	U	0.66	4.30	5.40	ug/L
86-74-8	Carbazole	4.30	U	0.77	4.30	5.40	ug/L
84-74-2	Di-n-butylphthalate	4.30	U	1.30	4.30	5.40	ug/L
206-44-0	Fluoranthene	4.30	U	0.88	4.30	5.40	ug/L
129-00-0	Pyrene	4.30	U	0.54	4.30	5.40	ug/L
85-68-7	Butylbenzylphthalate	4.30	U	2.10	4.30	5.40	ug/L
91-94-1	3,3-Dichlorobenzidine	8.60	U	1.00	8.60	10.8	ug/L
56-55-3	Benzo(a)anthracene	4.30	U	0.48	4.30	5.40	ug/L
218-01-9	Chrysene	4.30	U	0.47	4.30	5.40	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	4.30	U	1.70	4.30	5.40	ug/L
117-84-0	Di-n-octyl phthalate	8.60	U	2.50	8.60	10.8	ug/L
205-99-2	Benzo(b)fluoranthene	4.30	U	0.53	4.30	5.40	ug/L

Report of Analysis

Client:	Weston Solutions	Date Collected:	03/10/25
Project:	Ft Meade Tipton Airfield Parcel RI - PO 0111169	Date Received:	03/11/25
Client Sample ID:	TAPFTA-MW01I-031025-00-T2	SDG No.:	Q1539
Lab Sample ID:	Q1539-02	Matrix:	Water
Analytical Method:	SW8270	% Solid:	0
Sample Wt/Vol:	930 Units: mL	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 :	SW3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF141944.D	1	03/12/25 08:45	03/13/25 16:44	PB167097

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
207-08-9	Benzo(k)fluoranthene	4.30	U	0.52	4.30	5.40	ug/L
50-32-8	Benzo(a)pyrene	4.30	U	0.59	4.30	5.40	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	4.30	U	0.63	4.30	5.40	ug/L
53-70-3	Dibenzo(a,h)anthracene	4.30	U	0.72	4.30	5.40	ug/L
191-24-2	Benzo(g,h,i)perylene	4.30	U	0.74	4.30	5.40	ug/L
95-94-3	1,2,4,5-Tetrachlorobenzene	4.30	U	0.56	4.30	5.40	ug/L
123-91-1	1,4-Dioxane	4.30	U	1.10	4.30	5.40	ug/L
58-90-2	2,3,4,6-Tetrachlorophenol	4.30	U	0.77	4.30	5.40	ug/L

SURROGATES

367-12-4	2-Fluorophenol	73.5		19 - 119		49%	SPK: 150
13127-88-3	Phenol-d6	45.4		10 - 130		30%	SPK: 150
4165-60-0	Nitrobenzene-d5	104		44 - 120		104%	SPK: 100
321-60-8	2-Fluorobiphenyl	96.7		44 - 119		97%	SPK: 100
118-79-6	2,4,6-Tribromophenol	176		43 - 140		117%	SPK: 150
1718-51-0	Terphenyl-d14	86.4		50 - 134		86%	SPK: 100

INTERNAL STANDARDS

3855-82-1	1,4-Dichlorobenzene-d4	169000	6.875
1146-65-2	Naphthalene-d8	663000	8.157
15067-26-2	Acenaphthene-d10	386000	9.91
1517-22-2	Phenanthrene-d10	719000	11.392
1719-03-5	Chrysene-d12	525000	14.027
1520-96-3	Perylene-d12	378000	15.498

TENTATIVE IDENTIFIED COMPOUNDS

000994-05-8	Butane, 2-methoxy-2-methyl-	130	JB	2.21	ug/L
000111-76-2	Ethanol, 2-butoxy-	34.8	J	5.83	ug/L
002516-93-0	Butoxyacetic acid	3.00	J	7.36	ug/L

Report of Analysis

Client:	Weston Solutions	Date Collected:	03/10/25
Project:	Ft Meade Tipton Airfield Parcel RI - PO 0111169	Date Received:	03/11/25
Client Sample ID:	TAPFTA-MW01I-031025-00-T2	SDG No.:	Q1539
Lab Sample ID:	Q1539-02	Matrix:	Water
Analytical Method:	SW8270	% Solid:	0
Sample Wt/Vol:	930 Units: mL	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 :	SW3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF141944.D	1	03/12/25 08:45	03/13/25 16:44	PB167097

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF031325\
Data File : BF141944.D
Acq On : 13 Mar 2025 16:44
Operator : RC/JU
Sample : Q1539-02
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TAPFTA-MW01I-031025-00-T2

Quant Time: Mar 13 17:07:35 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF031025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Mar 10 15:46:22 2025
Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.875	152	168841	20.000	ng	0.00
21) Naphthalene-d8	8.157	136	662735	20.000	ng	0.00
39) Acenaphthene-d10	9.910	164	386145	20.000	ng	0.00
64) Phenanthrene-d10	11.392	188	718788	20.000	ng	-0.01
76) Chrysene-d12	14.027	240	525213	20.000	ng	-0.01
86) Perylene-d12	15.498	264	377938	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.492	112	744011	73.544	ng	0.00
7) Phenol-d6	6.492	99	585105	45.425	ng	-0.01
23) Nitrobenzene-d5	7.434	82	1226775	104.171	ng	-0.01
42) 2,4,6-Tribromophenol	10.698	330	863116	176.191	ng	0.00
45) 2-Fluorobiphenyl	9.233	172	2455018	96.690	ng	0.00
79) Terphenyl-d14	12.980	244	3069685	86.410	ng	0.00

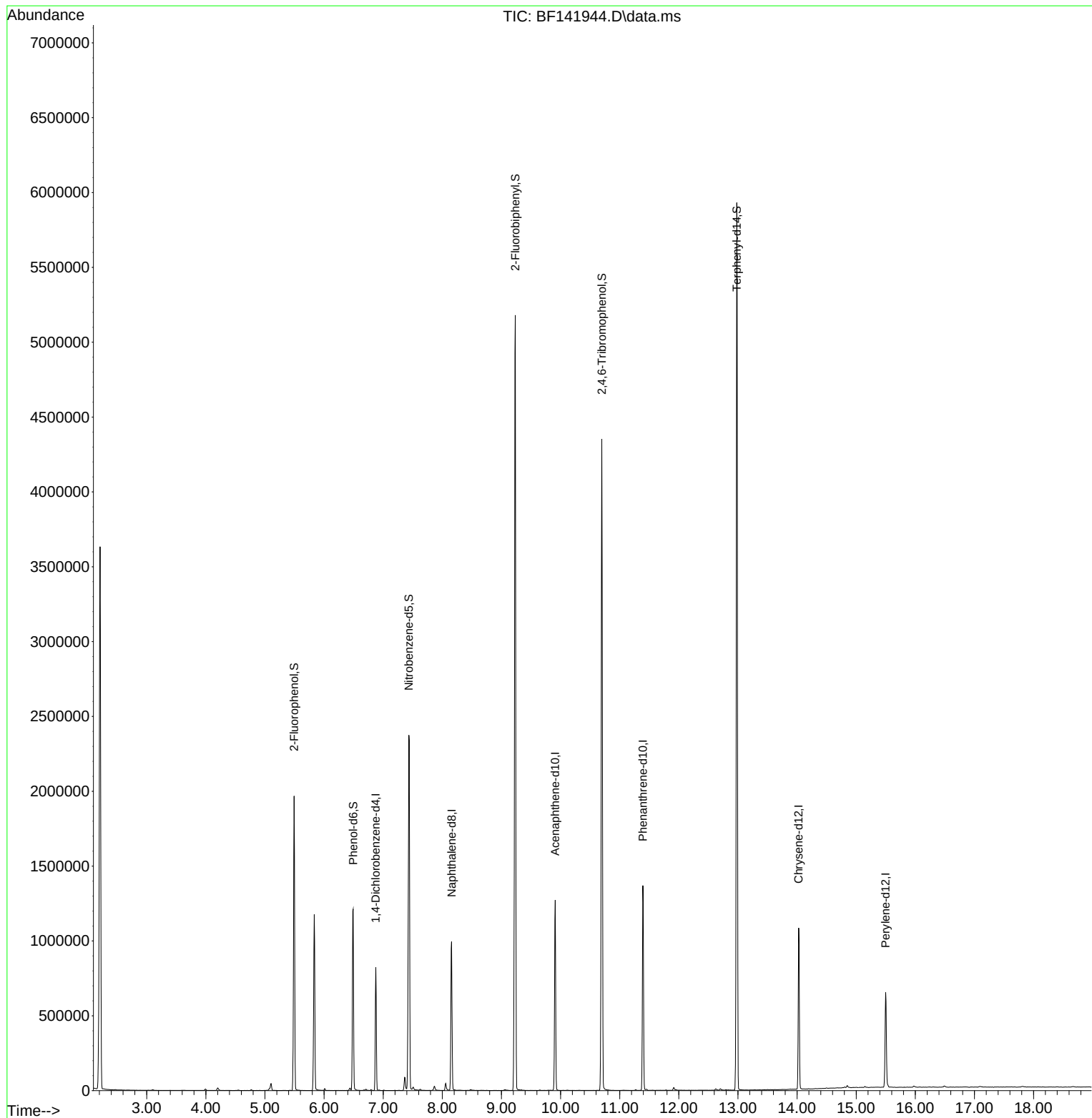
Target Compounds	Qvalue

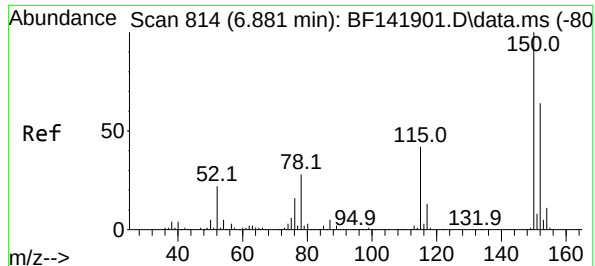
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF031325\
Data File : BF141944.D
Acq On : 13 Mar 2025 16:44
Operator : RC/JU
Sample : Q1539-02
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TAPFTA-MW01I-031025-00-T2

Quant Time: Mar 13 17:07:35 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF031025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Mar 10 15:46:22 2025
Response via : Initial Calibration

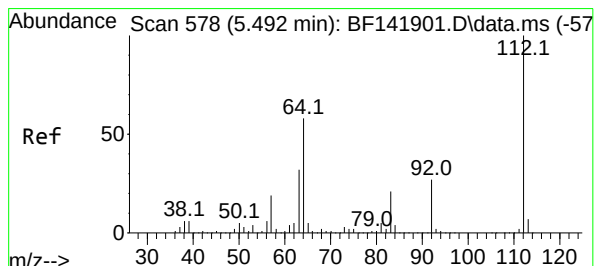
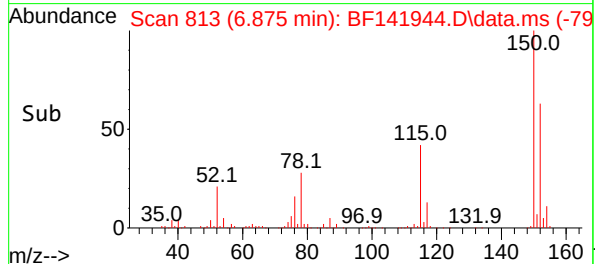
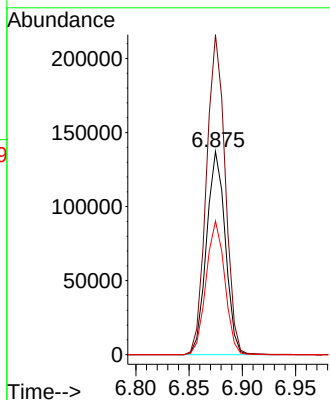
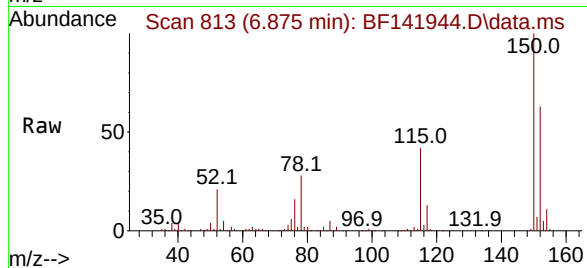




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.875 min Scan# 814
Delta R.T. -0.006 min
Lab File: BF141944.D
Acq: 13 Mar 2025 16:44

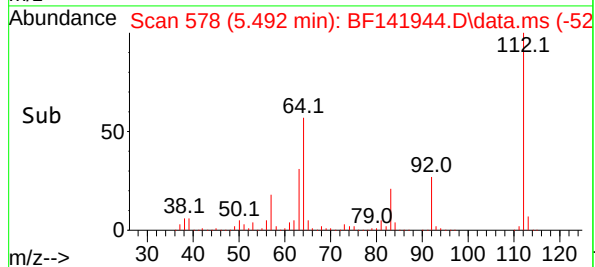
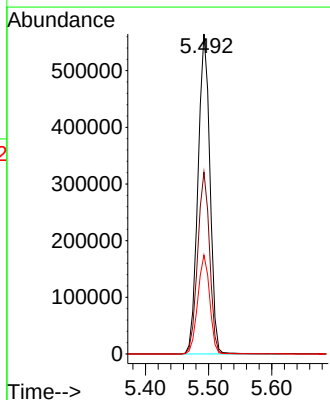
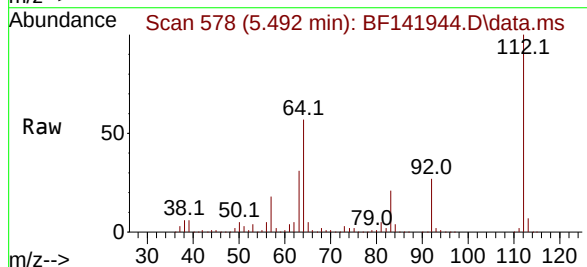
Instrument :
BNA_F
ClientSampleId :
TAPFTA-MW01I-031025-00-T2

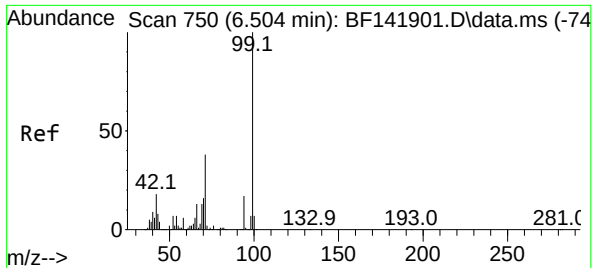
Tgt Ion:152 Resp: 168841
Ion Ratio Lower Upper
152 100
150 157.5 127.4 191.2
115 65.9 51.9 77.9



#5
2-Fluorophenol
Concen: 73.544 ng
RT: 5.492 min Scan# 578
Delta R.T. 0.000 min
Lab File: BF141944.D
Acq: 13 Mar 2025 16:44

Tgt Ion:112 Resp: 744011
Ion Ratio Lower Upper
112 100
64 56.8 46.5 69.7
63 30.9 25.4 38.2

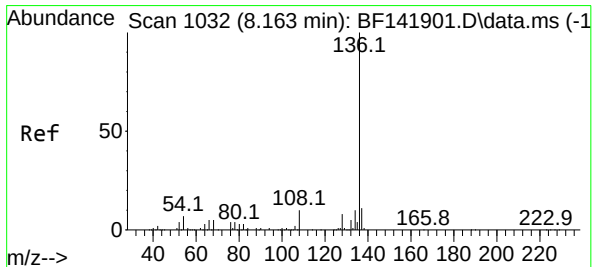
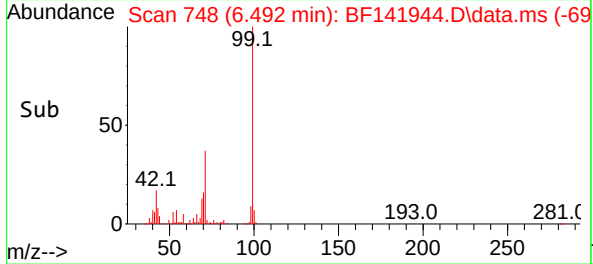
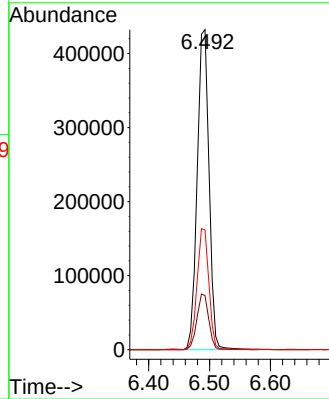
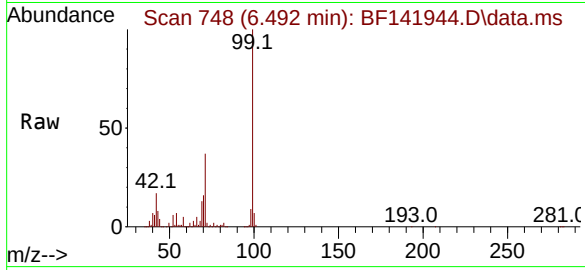




#7
Phenol-d6
Concen: 45.425 ng
RT: 6.492 min Scan# 74
Delta R.T. -0.012 min
Lab File: BF141944.D
Acq: 13 Mar 2025 16:44

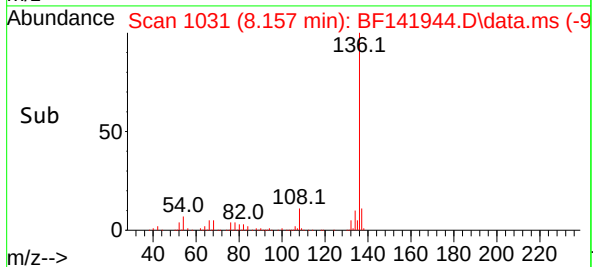
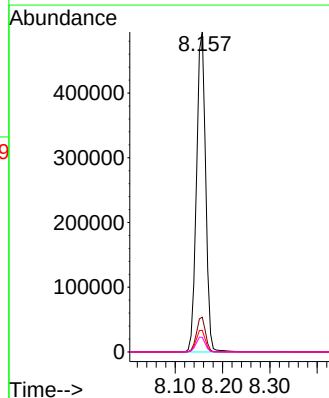
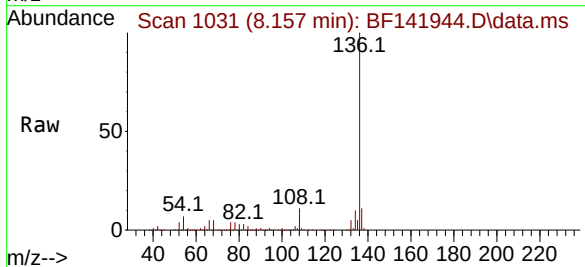
Instrument :
BNA_F
ClientSampleId :
TAPFTA-MW01I-031025-00-T2

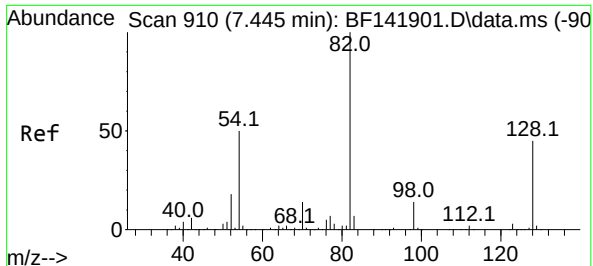
Tgt Ion	Ratio	Lower	Upper
99	100		
42	16.9	14.6	21.8
71	37.5	30.8	46.2



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.157 min Scan# 1031
Delta R.T. -0.006 min
Lab File: BF141944.D
Acq: 13 Mar 2025 16:44

Tgt Ion	Ratio	Lower	Upper
136	100		
137	10.8	8.8	13.2
54	6.7	5.8	8.8
68	4.6	4.1	6.1





#23

Nitrobenzene-d5

Concen: 104.171 ng

RT: 7.434 min Scan# 90

Delta R.T. -0.012 min

Lab File: BF141944.D

Acq: 13 Mar 2025 16:44

Instrument :

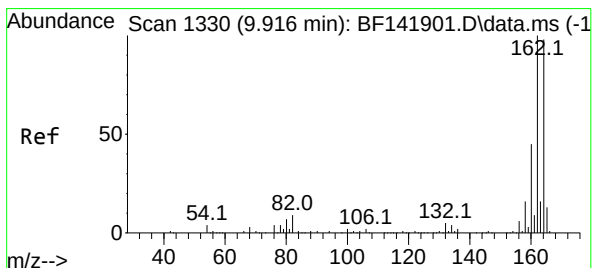
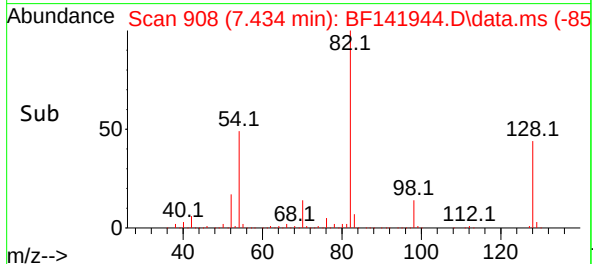
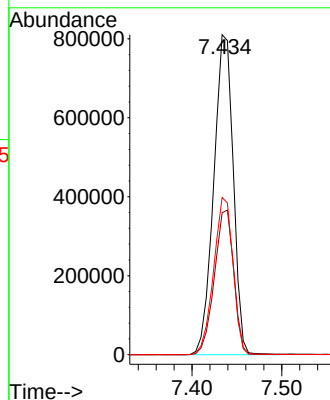
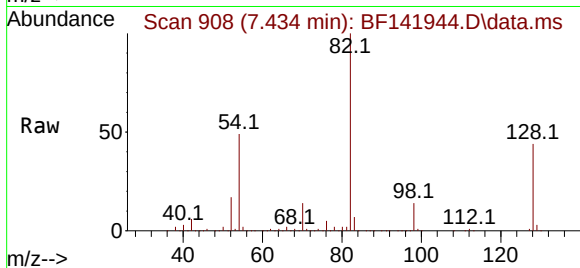
BNA_F

ClientSampleId :

TAPFTA-MW01I-031025-00-T2

Tgt Ion: 82 Resp: 1226775

Ion	Ratio	Lower	Upper
82	100		
128	44.4	36.0	54.0
54	49.1	39.6	59.4



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.910 min Scan# 1329

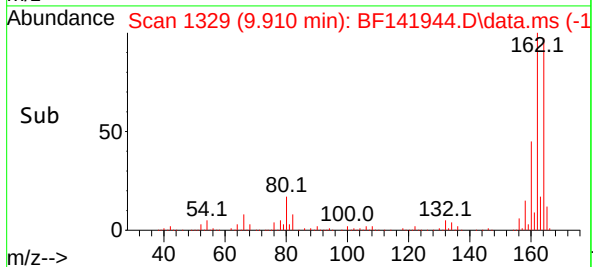
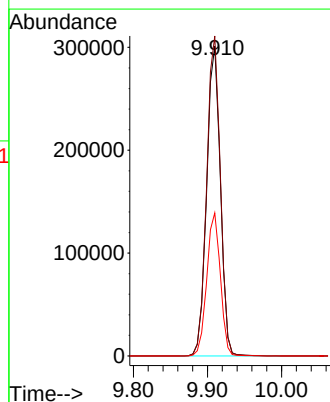
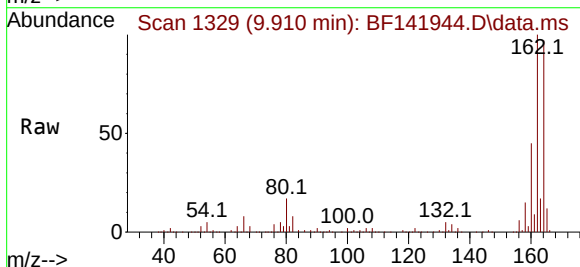
Delta R.T. -0.006 min

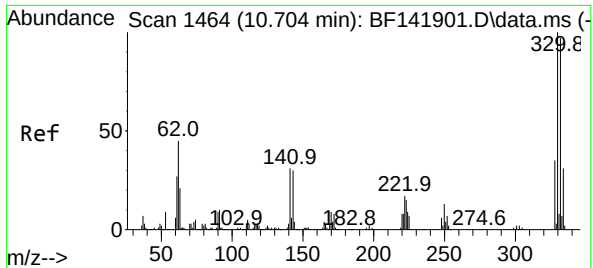
Lab File: BF141944.D

Acq: 13 Mar 2025 16:44

Tgt Ion:164 Resp: 386145

Ion	Ratio	Lower	Upper
164	100		
162	103.3	81.8	122.6
160	46.2	36.7	55.1

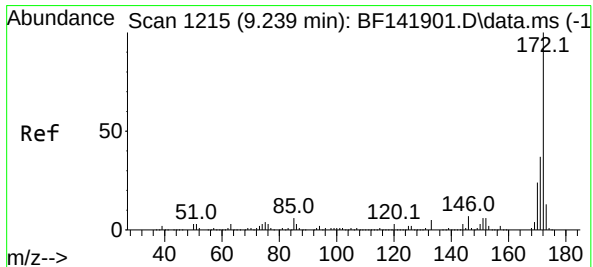
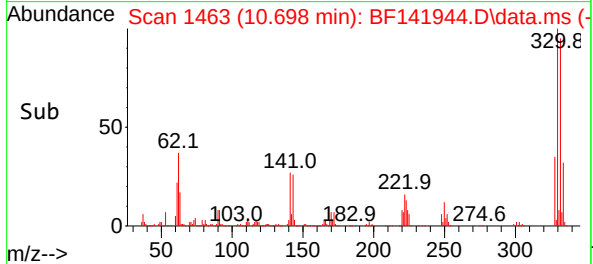
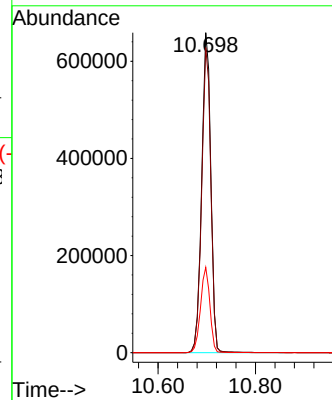
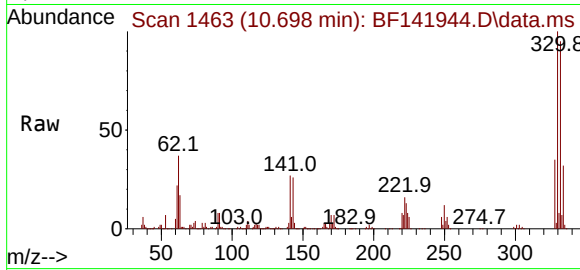




#42
2,4,6-Tribromophenol
Concen: 176.191 ng
RT: 10.698 min Scan# 1463
Delta R.T. -0.006 min
Lab File: BF141944.D
Acq: 13 Mar 2025 16:44

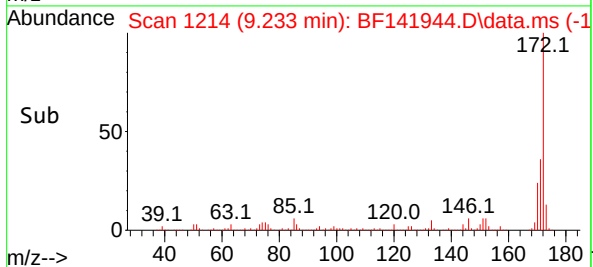
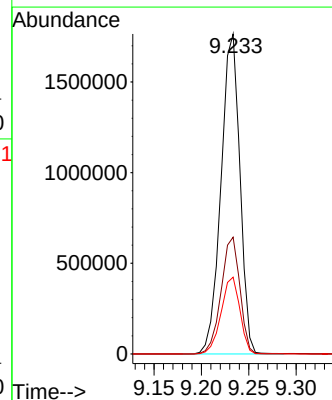
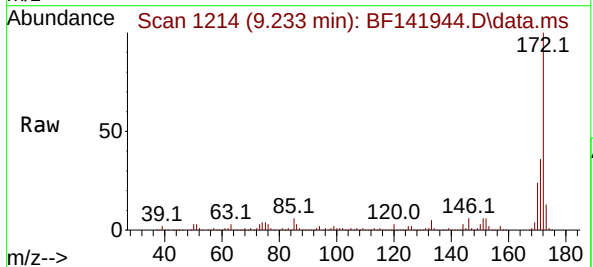
Instrument :
BNA_F
ClientSampleId :
TAPFTA-MW01I-031025-00-T2

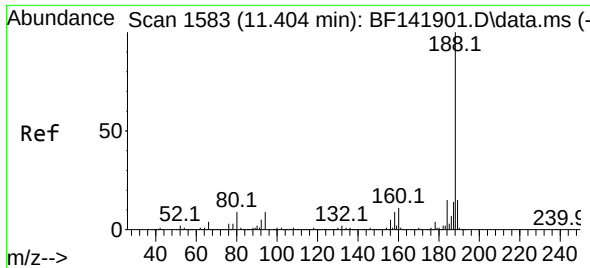
Tgt Ion	330	Resp	863116
Ion Ratio	Lower	Upper	
330	100		
332	95.6	77.6	116.4
141	27.4	24.7	37.1



#45
2-Fluorobiphenyl
Concen: 96.690 ng
RT: 9.233 min Scan# 1214
Delta R.T. -0.006 min
Lab File: BF141944.D
Acq: 13 Mar 2025 16:44

Tgt Ion	172	Resp	2455018
Ion Ratio	Lower	Upper	
172	100		
171	36.5	29.3	43.9
170	24.0	19.4	29.0

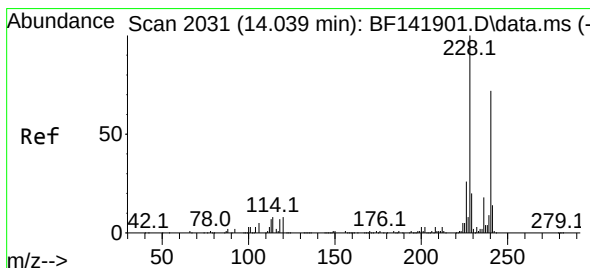
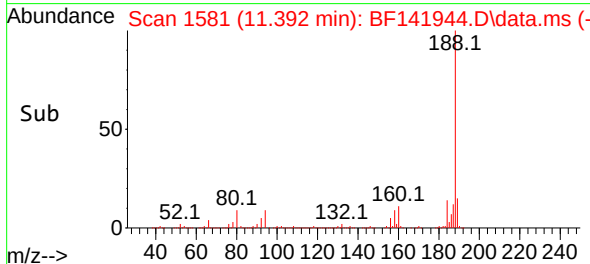
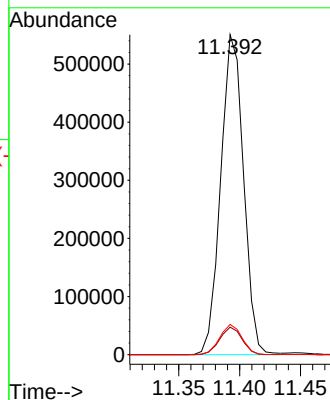
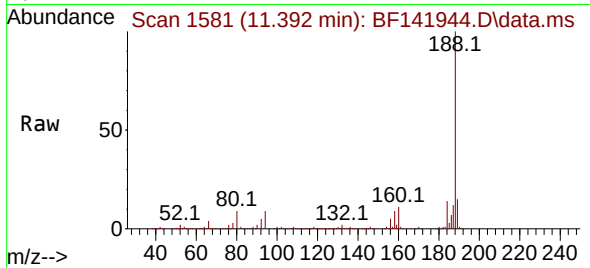




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.392 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF141944.D
Acq: 13 Mar 2025 16:44

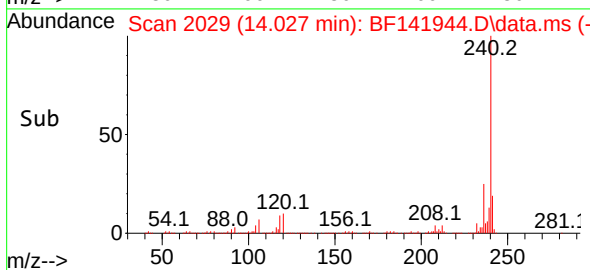
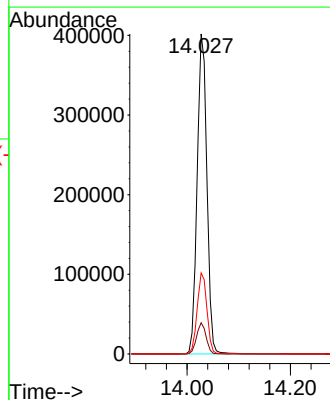
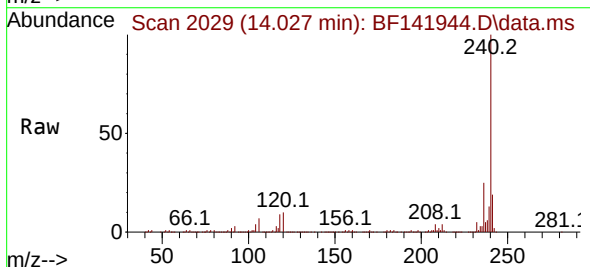
Instrument :
BNA_F
ClientSampleId :
TAPFTA-MW01I-031025-00-T2

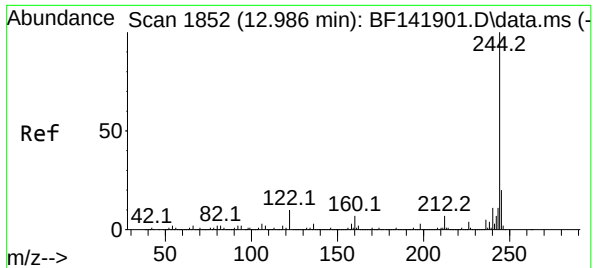
Tgt Ion:188 Resp: 718788
Ion Ratio Lower Upper
188 100
94 8.6 6.8 10.2
80 9.4 7.6 11.4



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.027 min Scan# 2029
Delta R.T. -0.012 min
Lab File: BF141944.D
Acq: 13 Mar 2025 16:44

Tgt Ion:240 Resp: 525213
Ion Ratio Lower Upper
240 100
120 9.8 8.4 12.6
236 25.3 20.5 30.7





#79

Terphenyl-d14

Concen: 86.410 ng

RT: 12.980 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF141944.D

Acq: 13 Mar 2025 16:44

Instrument :

BNA_F

ClientSampleId :

TAPFTA-MW01I-031025-00-T2

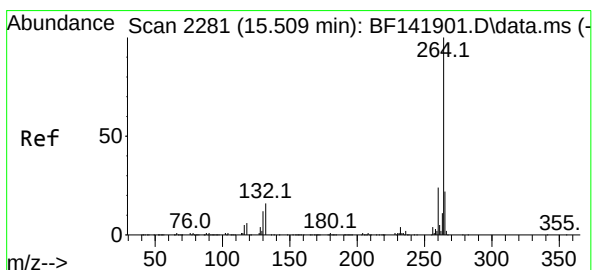
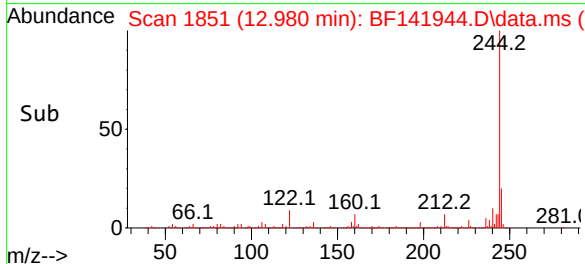
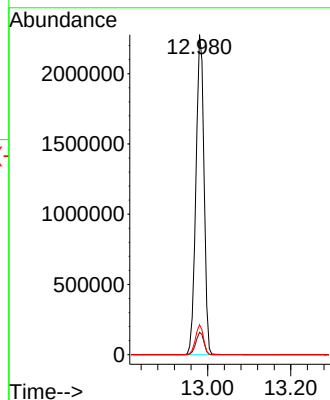
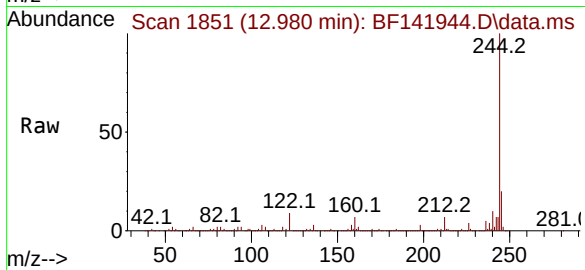
Tgt Ion:244 Resp: 3069685

Ion Ratio Lower Upper

244 100

212 7.0 6.0 9.0

122 9.3 7.7 11.5



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.498 min Scan# 2279

Delta R.T. -0.012 min

Lab File: BF141944.D

Acq: 13 Mar 2025 16:44

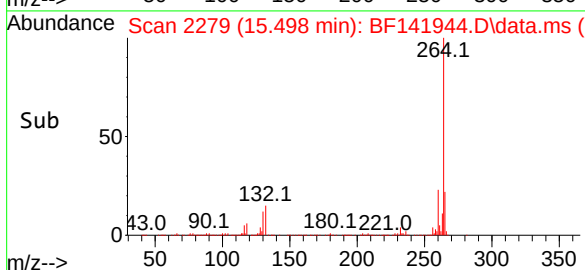
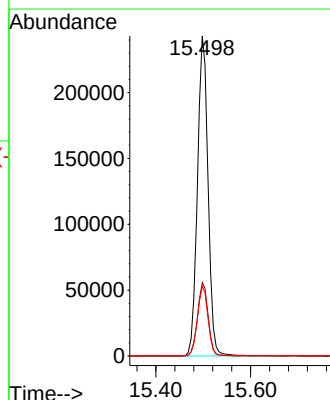
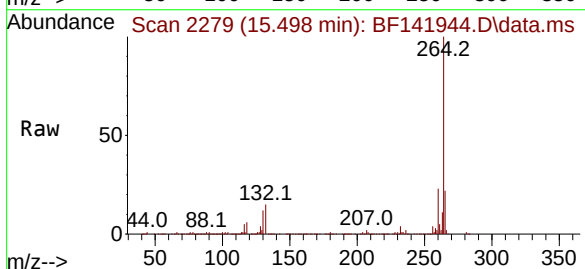
Tgt Ion:264 Resp: 377938

Ion Ratio Lower Upper

264 100

260 22.9 19.1 28.7

265 21.8 17.5 26.3



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF031325\
 Data File : BF141944.D
 Acq On : 13 Mar 2025 16:44
 Operator : RC/JU
 Sample : Q1539-02
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TAPFTA-MW01I-031025-00-T2

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-BF031025.M

Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BF141944.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.210	11	20	27	rVB	3621163	5915117	74.58%	13.259%
2	5.104	503	512	518	rVB2	45850	86129	1.09%	0.193%
3	5.492	572	578	583	rBV	1967414	2574617	32.46%	5.771%
4	5.834	629	636	641	rBV	1175565	1632820	20.59%	3.660%
5	6.492	742	748	763	rVB	1209524	1643532	20.72%	3.684%
6	6.875	808	813	818	rBV	823169	1007676	12.70%	2.259%
7	7.363	890	896	901	rBV	87382	139932	1.76%	0.314%
8	7.434	901	908	914	rVV	2363550	3562867	44.92%	7.986%
9	8.157	1025	1031	1043	rVB	993478	1332199	16.80%	2.986%
10	9.233	1206	1214	1219	rBV	5179204	7222051	91.05%	16.188%
11	9.910	1320	1329	1334	rBV	1272060	1636182	20.63%	3.667%
12	10.698	1456	1463	1468	rBV	4351529	5757138	72.58%	12.905%
13	11.392	1576	1581	1588	rBV	1367407	1783304	22.48%	3.997%
14	12.980	1845	1851	1856	rBV	5928485	7931725	100.00%	17.779%
15	14.027	2024	2029	2040	rBV	1075568	1397246	17.62%	3.132%
16	15.498	2273	2279	2290	rBV	634600	990754	12.49%	2.221%

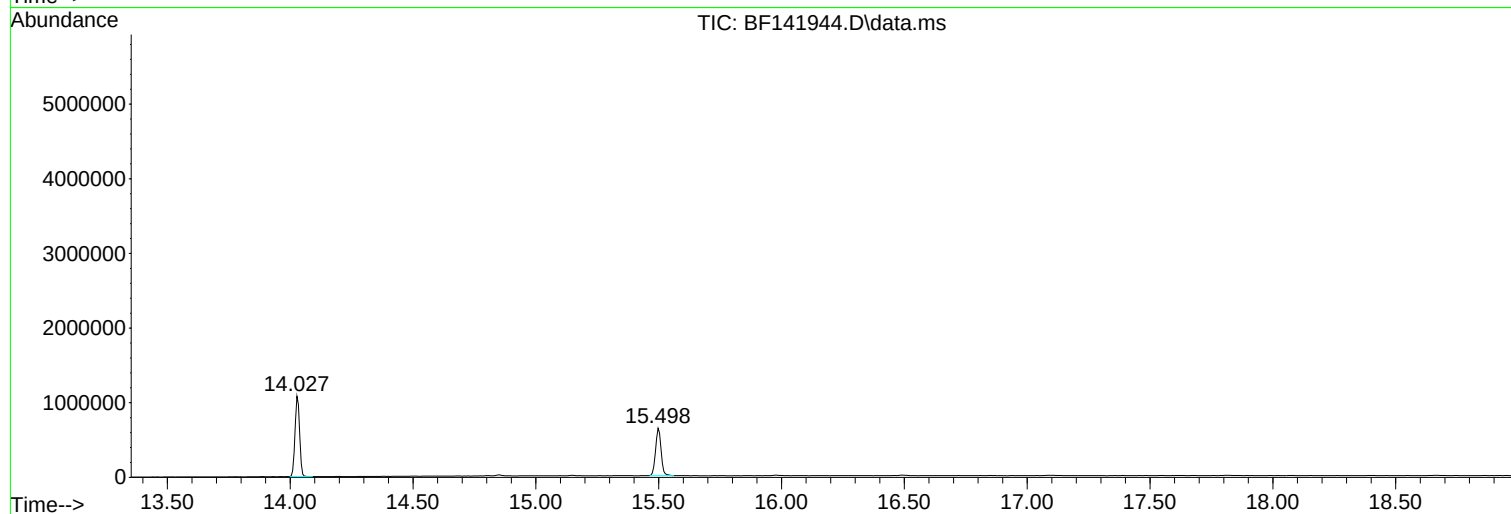
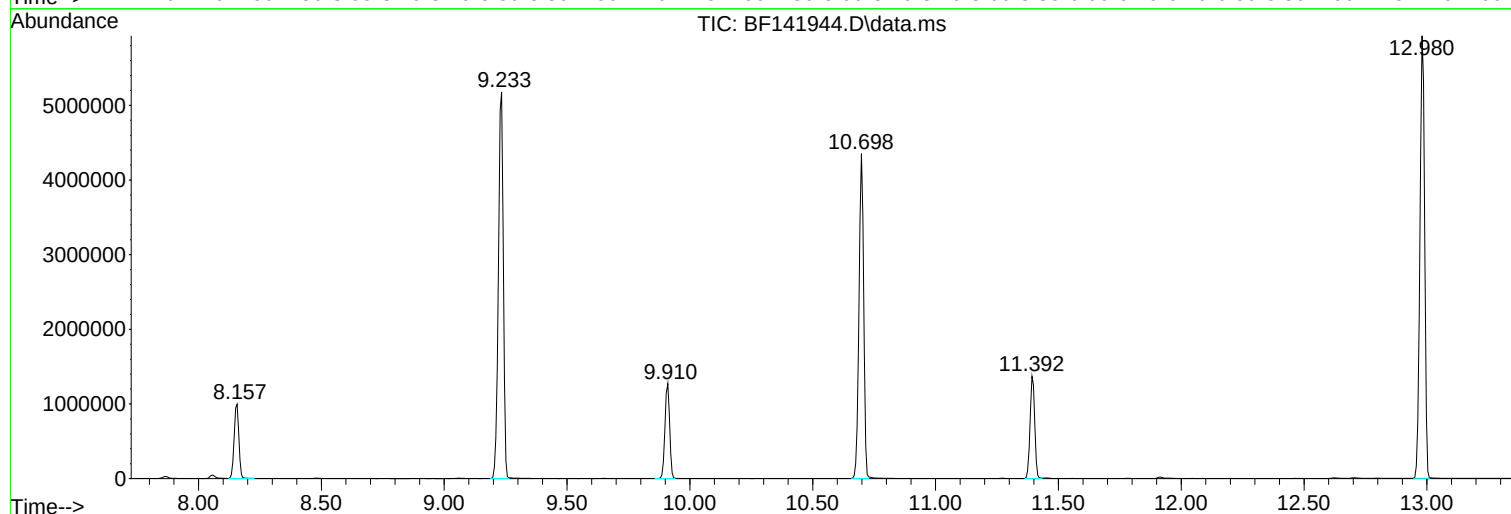
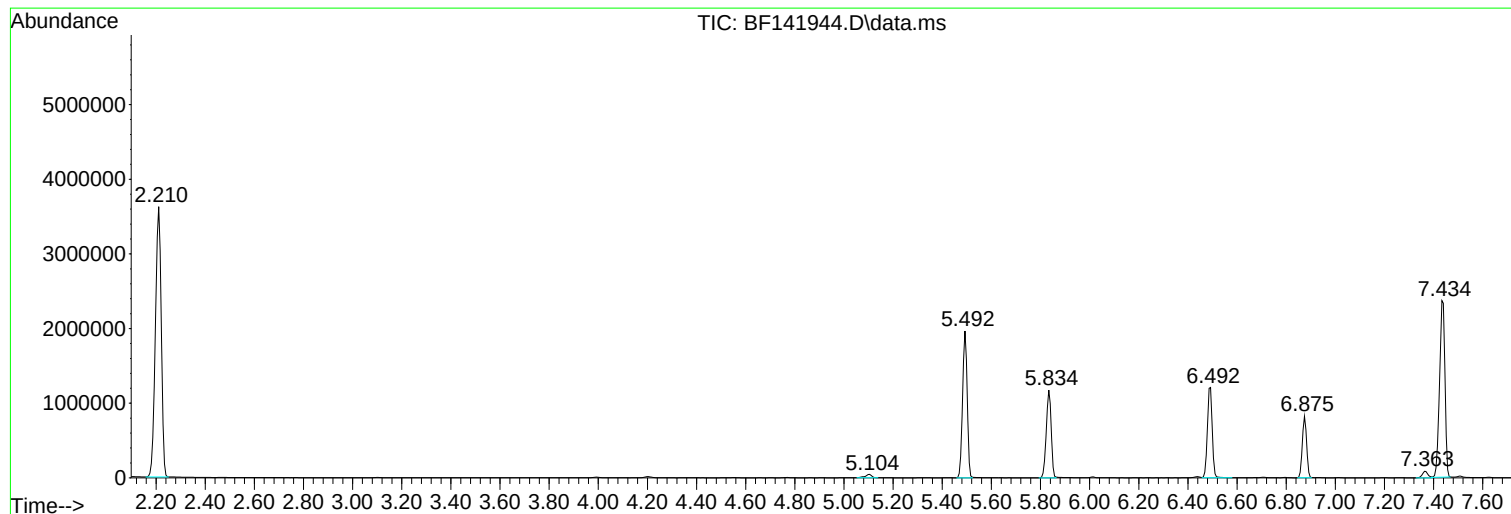
Sum of corrected areas: 44613289

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF031325\
Data File : BF141944.D
Acq On : 13 Mar 2025 16:44
Operator : RC/JU
Sample : Q1539-02
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TAPFTA-MW01I-031025-00-T2

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF031025.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\BF031325\
Data File : BF141944.D
Acq On : 13 Mar 2025 16:44
Operator : RC/JU
Sample : Q1539-02
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TAPFTA-MW01I-031025-00-T2

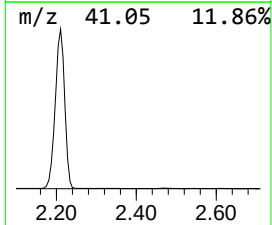
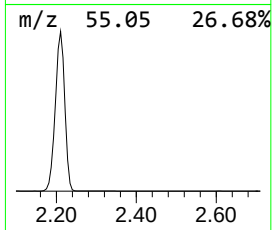
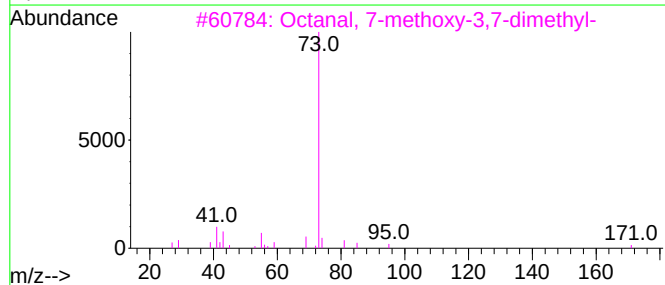
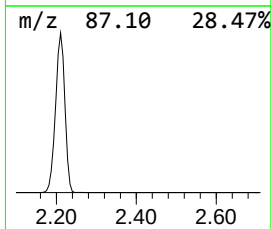
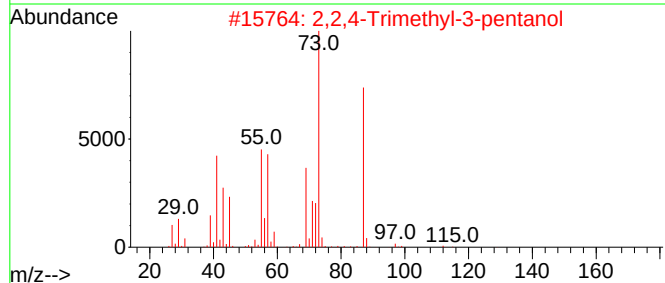
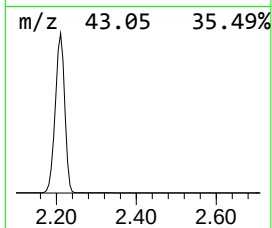
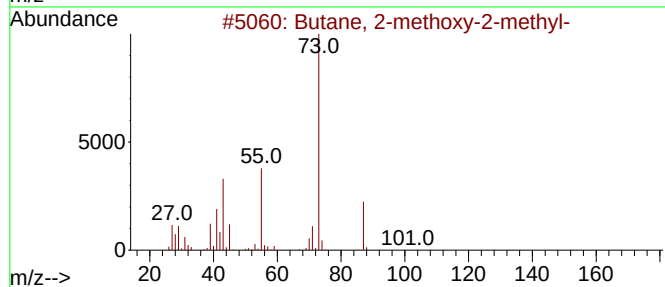
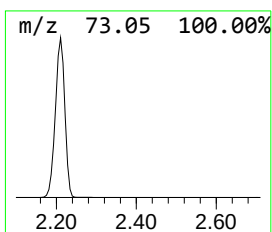
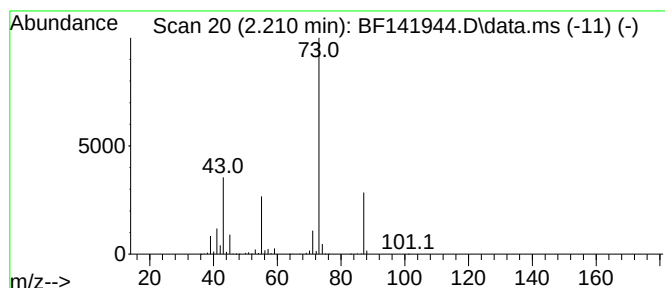
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF031025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 1 Butane, 2-methoxy-2-methyl- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.210	117.40 ng	5915120	1,4-Dichlorobenzene-d4	6.875

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Butane, 2-methoxy-2-methyl-	102	C6H14O	000994-05-8	83
2			2,2,4-Trimethyl-3-pentanol	130	C8H18O	005162-48-1	40
3			Octanal, 7-methoxy-3,7-dimethyl-	186	C11H22O2	003613-30-7	23
4			Pentane, 3-methoxy-	102	C6H14O	036839-67-5	17
5			N-Ethylformamide	73	C3H7NO	000627-45-2	9



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF031325\
Data File : BF141944.D
Acq On : 13 Mar 2025 16:44
Operator : RC/JU
Sample : Q1539-02
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TAPFTA-MW01I-031025-00-T2

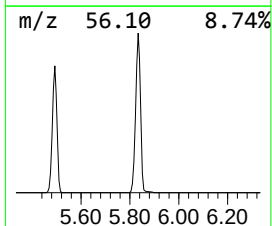
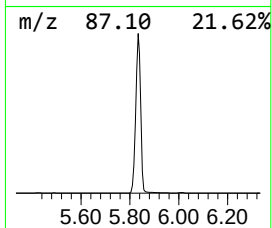
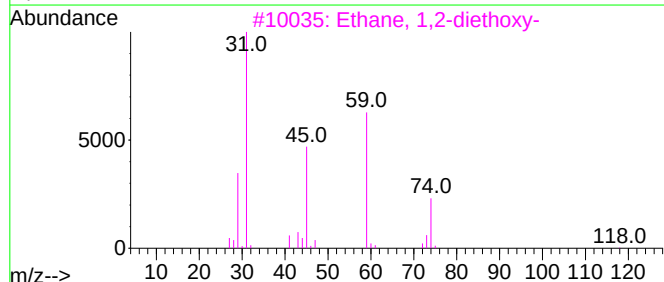
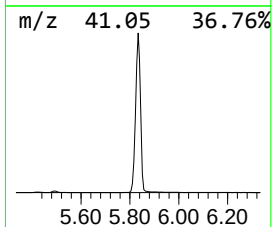
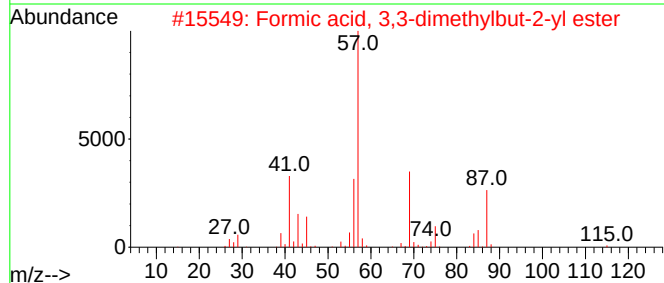
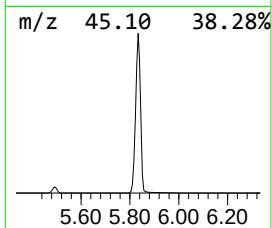
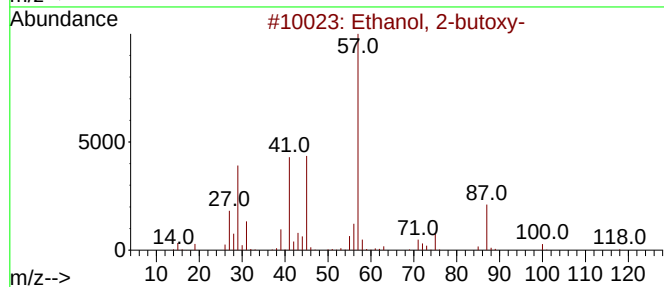
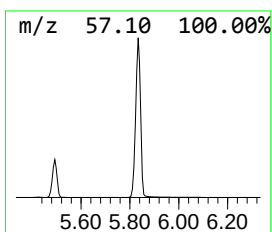
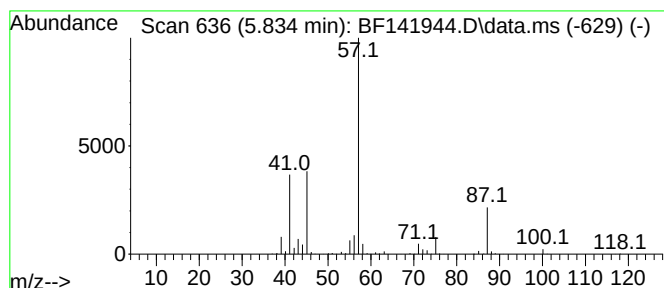
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF031025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 2 Ethanol, 2-butoxy- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.834	32.41 ng	1632820	1,4-Dichlorobenzene-d4	6.875

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Ethanol, 2-butoxy-	118	C6H14O2	000111-76-2	83
2			Formic acid, 3,3-dimethylbut-2-y...	130	C7H14O2	1000368-20-5	64
3			Ethane, 1,2-diethoxy-	118	C6H14O2	000629-14-1	27
4			n-Butyl ether	130	C8H18O	000142-96-1	25
5			Propanoic acid, 2-methylpropyl e...	130	C7H14O2	000540-42-1	17



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF031325\
Data File : BF141944.D
Acq On : 13 Mar 2025 16:44
Operator : RC/JU
Sample : Q1539-02
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TAPFTA-MW01I-031025-00-T2

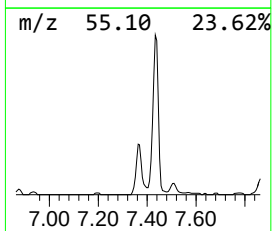
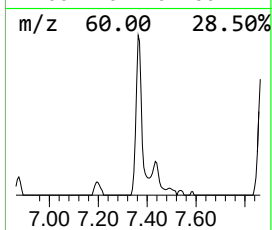
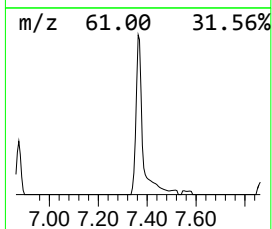
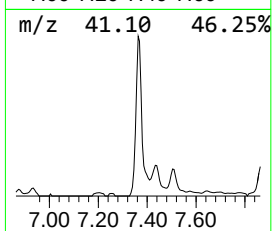
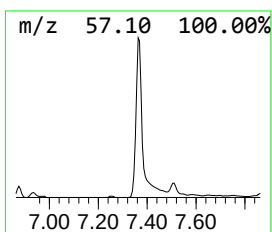
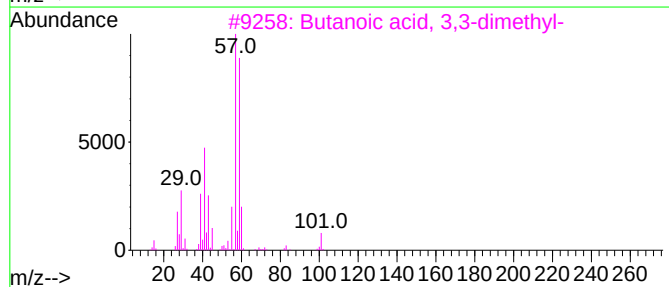
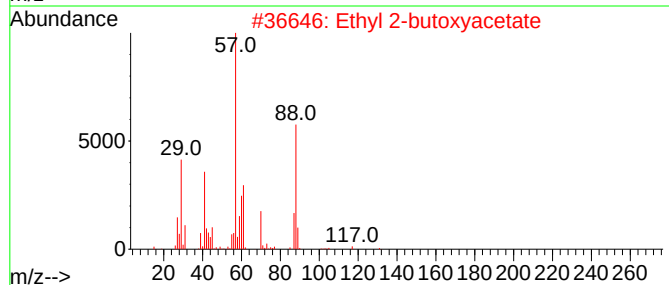
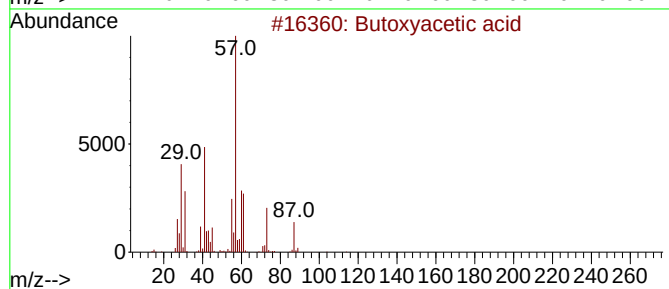
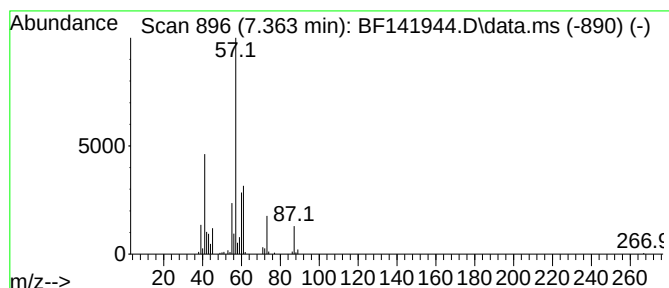
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF031025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 3 Butoxyacetic acid Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.363	2.78 ng	139932	1,4-Dichlorobenzene-d4	6.875

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Butoxyacetic acid	132	C6H12O3	002516-93-0	90
2			Ethyl 2-butoxyacetate	160	C8H16O3	1000366-89-3	45
3			Butanoic acid, 3,3-dimethyl-	116	C6H12O2	001070-83-3	32
4			Propanoic acid, 2,2-dimethyl-	102	C5H10O2	000075-98-9	25
5			Pentane, 1-butoxy-	144	C9H20O	018636-66-3	25



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF031325\
Data File : BF141944.D
Acq On : 13 Mar 2025 16:44
Operator : RC/JU
Sample : Q1539-02
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TAPFTA-MW01I-031025-00-T2

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF031025.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
Butane, 2-metho...	2.210	117.4	ng	5915120	1	6.875	1007680	20.0
Ethanol, 2-butoxy-	5.834	32.4	ng	1632820	1	6.875	1007680	20.0
Butoxyacetic acid	7.363	2.8	ng	139932	1	6.875	1007680	20.0



CALIBRATION SUMMARY

Method Path : Z:\svoasrv\HPCHEM1\BNA_F\Methods\
 Method File : 8270-BF031025.M
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 Last Update : Mon Mar 10 15:46:22 2025
 Response Via : Initial Calibration

Calibration Files

2.5 =BF141897.D 5 =BF141898.D 10 =BF141899.D 20 =BF141900.D 40 =BF141901.D 50 =BF141905.D 60 =BF141903.D 80 =BF141904.D

	Compound	2.5	5	10	20	40	50	60	80	Avg	%RSD
1) I	1,4-Dichlorobenzen...	-----ISTD-----									
2)	1,4-Dioxane	0.490	0.482	0.536	0.504	0.495	0.501	0.508	0.502		3.43
3)	Pyridine	1.217	1.204	1.334	1.221	1.203	1.209	1.233	1.232		3.77
4)	n-Nitrosodimet...	0.554	0.556	0.621	0.583	0.595	0.594	0.607	0.587		4.26
5) S	2-Fluorophenol	1.267	1.243	1.298	1.148	1.162	1.146	1.124	1.198		5.79
6)	Aniline	1.599	1.602	1.640	1.465	1.443	1.435	1.351	1.505		7.20
7) S	Phenol-d6	1.623	1.593	1.644	1.442	1.483	1.471	1.424	1.526		5.99
8)	2-Chlorophenol	1.421	1.354	1.434	1.259	1.295	1.284	1.256	1.329		5.63
9)	Benzaldehyde		1.021	0.975	0.778	0.778	0.716		0.853		15.85
10) C	Phenol	1.708	1.675	1.747	1.536	1.542	1.532	1.496	1.605		6.30
11)	bis(2-Chloroet...	1.287	1.246	1.281	1.144	1.175	1.176	1.127	1.205		5.43
12)	1,3-Dichlorobe...	1.475	1.489	1.538	1.373	1.401	1.401	1.367	1.435		4.59
13) C	1,4-Dichlorobe...	1.514	1.503	1.548	1.393	1.408	1.420	1.376	1.452		4.71
14)	1,2-Dichlorobe...	1.461	1.417	1.460	1.303	1.315	1.343	1.273	1.367		5.69
15)	Benzyl Alcohol	1.236	1.252	1.322	1.185	1.214	1.246	1.180	1.233		3.91
16)	2,2'-oxybis(1-...	1.591	1.525	1.534	1.363	1.387	1.472	1.313	1.455		7.07
17)	2-Methylphenol	1.080	1.050	1.122	1.008	1.038	1.079	1.021	1.057		3.73
18)	Hexachloroethane	0.545	0.551	0.576	0.517	0.540	0.560	0.522	0.544		3.76
19) P	n-Nitroso-di-n...	1.020	1.024	1.000	1.043	0.913	0.940	0.991	0.912	0.980	5.29
20)	3+4-Methylphenols	1.449	1.394	1.470	1.294	1.311	1.334	1.223	1.354		6.55
21) I	Naphthalene-d8	-----ISTD-----									
22)	Acetophenone	0.514	0.493	0.513	0.460	0.450	0.469	0.453	0.479		5.76
23) S	Nitrobenzene-d5	0.345	0.356	0.379	0.348	0.344	0.363	0.353	0.355		3.47
24)	Nitrobenzene	0.347	0.351	0.375	0.346	0.343	0.359	0.352	0.353		3.07
25)	Isophorone	0.647	0.620	0.655	0.600	0.605	0.648	0.622	0.628		3.49
26) C	2-Nitrophenol	0.150	0.159	0.182	0.175	0.179	0.188	0.181	0.173		7.88
27)	2,4-Dimethylph...	0.247	0.234	0.251	0.231	0.233	0.244	0.232	0.239		3.45
28)	bis(2-Chloroet...	0.411	0.406	0.416	0.372	0.377	0.397	0.378	0.394		4.63
29) C	2,4-Dichloroph...	0.292	0.295	0.309	0.286	0.295	0.303	0.294	0.296		2.54
30)	1,2,4-Trichlor...	0.337	0.325	0.342	0.310	0.318	0.333	0.322	0.327		3.50
31)	Naphthalene	1.104	1.075	1.101	0.984	1.001	0.973	0.954	1.027		6.22
32)	Benzoic acid		0.149	0.191	0.208	0.228	0.242	0.241	0.210		17.07
33)	4-Chloroaniline	0.383	0.378	0.393	0.351	0.354	0.352	0.329	0.363		6.14
34) C	Hexachlorobuta...	0.211	0.211	0.221	0.203	0.214	0.214	0.216	0.213		2.52
35)	Caprolactam	0.092	0.089	0.094	0.084	0.088	0.090	0.094	0.090		4.00
36) C	4-Chloro-3-met...	0.334	0.331	0.349	0.318	0.329	0.334	0.320	0.331		3.13
37)	2-Methylnaphth...	0.746	0.709	0.733	0.653	0.655	0.667	0.645	0.687		6.09
38)	1-Methylnaphth...	0.717	0.691	0.721	0.623	0.619	0.647	0.620	0.663		6.95

Method Path : Z:\svoasrv\HPCHEM1\BNA_F\Methods\
 Method File : 8270-BF031025.M

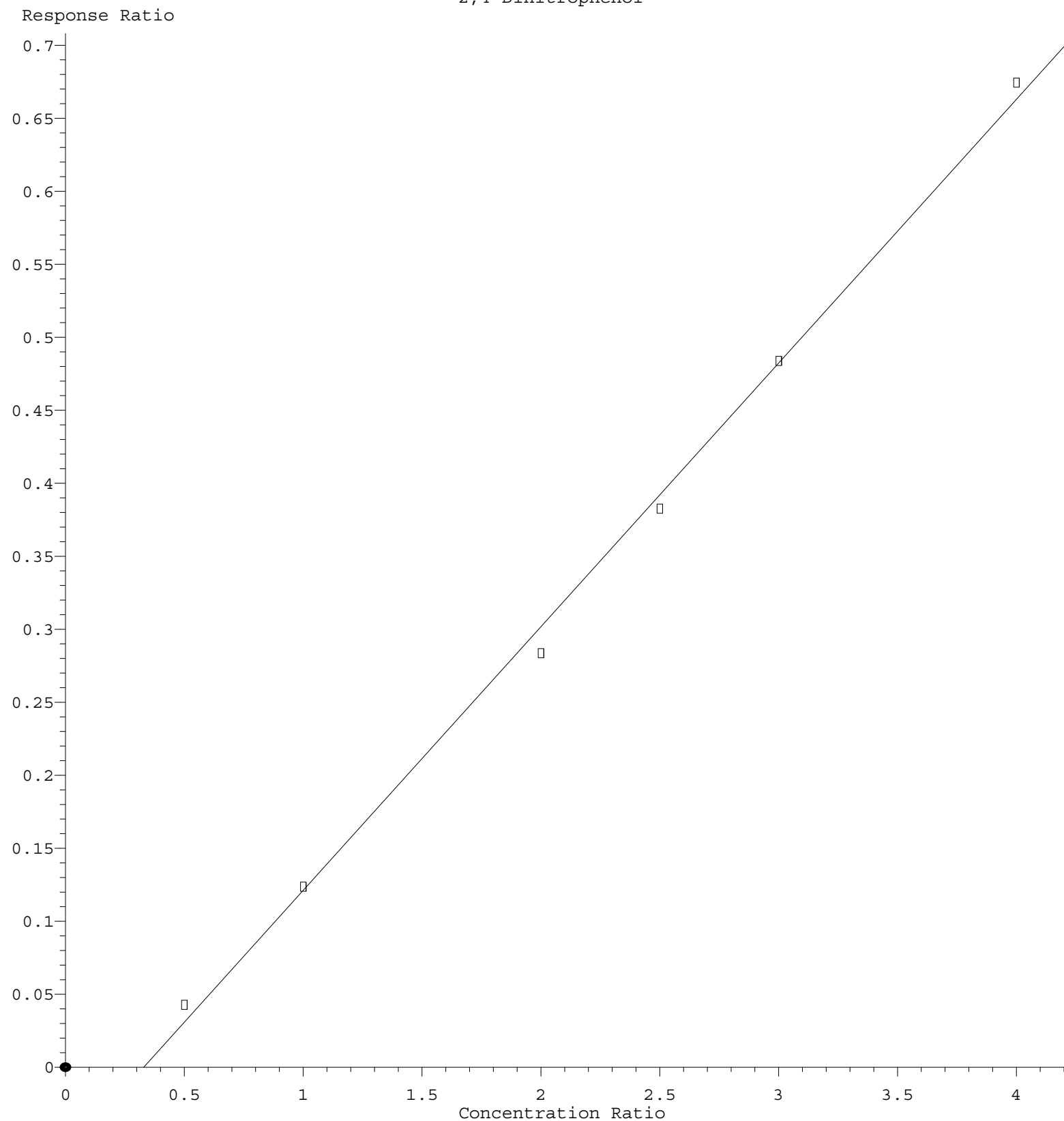
39) I	Acenaphthene-d10	-----ISTD-----									
40)	1,2,4,5-Tetrac...	0.615	0.604	0.626	0.592	0.597	0.606	0.623	0.609	2.11	
41) P	Hexachlorocycl...	0.204	0.221	0.249	0.250	0.237	0.252	0.256	0.238	8.03	
42) S	2,4,6-Tribromo...	0.234	0.236	0.259	0.250	0.259	0.265	0.272	0.254	5.67	
43) C	2,4,6-Trichlor...	0.388	0.389	0.402	0.398	0.400	0.401	0.409	0.398	1.91	
44)	2,4,5-Trichlor...	0.396	0.391	0.422	0.389	0.400	0.415	0.407	0.403	3.05	
45) S	2-Fluorobiphenyl	1.430	1.379	1.379	1.254	1.272	1.246	1.246	1.315	5.95	
46)	1,1'-Biphenyl	1.636	1.573	1.591	1.454	1.502	1.431	1.450	1.520	5.29	
47)	2-Chloronaphth...	1.197	1.141	1.181	1.091	1.129	1.090	1.100	1.133	3.82	
48)	2-Nitroaniline	0.296	0.314	0.346	0.322	0.356	0.332	0.330	0.328	6.08	
49)	Acenaphthylene	1.765	1.740	1.778	1.635	1.664	1.595	1.589	1.681	4.74	
50)	Dimethylphthalate	1.481	1.414	1.469	1.329	1.425	1.345	1.341	1.401	4.47	
51)	2,6-Dinitrotol...	0.277	0.279	0.305	0.285	0.307	0.296	0.292	0.292	4.11	
52) C	Acenaphthene	1.236	1.195	1.231	1.146	1.144	1.165	1.152	1.181	3.37	
53)	3-Nitroaniline	0.291	0.295	0.316	0.293	0.283	0.301	0.291	0.296	3.61	
54) P	2,4-Dinitrophenol		0.085	0.124	0.142	0.153	0.161	0.169	0.139	22.02	
55)	Dibenzofuran	1.849	1.787	1.791	1.614	1.607	1.596	1.570	1.688	6.87	
56) P	4-Nitrophenol	0.192	0.216	0.234	0.230	0.229	0.230	0.230	0.223	6.60	
57)	2,4-Dinitrotol...	0.365	0.382	0.402	0.375	0.383	0.383	0.376	0.381	2.95	
58)	Fluorene	1.443	1.361	1.381	1.229	1.243	1.234	1.220	1.302	7.01	
59)	2,3,4,6-Tetrac...	0.355	0.365	0.390	0.359	0.364	0.366	0.369	0.367	3.05	
60)	Diethylphthalate	1.475	1.471	1.497	1.336	1.357	1.338	1.302	1.397	5.80	
61)	4-Chlorophenyl...	0.730	0.688	0.702	0.643	0.664	0.656	0.667	0.679	4.41	
62)	4-Nitroaniline	0.284	0.288	0.304	0.288	0.287	0.286	0.278	0.288	2.73	
63)	Azobenzene	1.392	1.363	1.404	1.245	1.261	1.226	1.197	1.298	6.57	
64) I	Phenanthrene-d10	-----ISTD-----									
65)	4,6-Dinitro-2-...		0.083	0.111	0.121	0.130	0.133	0.137	0.119	16.61	
66) c	n-Nitrosodiphe...	0.675	0.651	0.671	0.620	0.638	0.638	0.637	0.647	3.03	
67)	4-Bromophenyl-...	0.240	0.249	0.255	0.244	0.263	0.245	0.262	0.251	3.55	
68)	Hexachlorobenzene	0.262	0.267	0.284	0.269	0.283	0.271	0.292	0.275	3.92	
69)	Atrazine	0.216	0.213	0.193	0.164	0.206			0.198	10.72	
70) C	Pentachlorophenol	0.130	0.151	0.172	0.177	0.180	0.186	0.191	0.170	12.66	
71)	Phenanthrene	1.155	1.151	1.138	1.038	1.026	1.032	1.023	1.080	5.90	
72)	Anthracene	1.173	1.139	1.139	1.046	1.026	1.036	1.026	1.084	5.89	
73)	Carbazole	0.996	0.994	0.985	0.908	0.903	0.892	0.864	0.935	5.91	
74)	Di-n-butylphth...	1.320	1.321	1.319	1.177	1.238	1.175	1.132	1.240	6.50	
75) C	Fluoranthene	1.234	1.226	1.228	1.108	1.148	1.059	1.017	1.146	7.66	
76) I	Chrysene-d12	-----ISTD-----									
77)	Benzydine	0.347	0.309	0.190	0.360	0.220	0.275	0.252	0.279	22.73	
78)	Pyrene	1.695	1.651	1.727	1.611	1.877	1.823	1.726	1.730	5.38	
79) S	Terphenyl-d14	1.343	1.309	1.360	1.276	1.380	1.417	1.384	1.353	3.56	
80)	Butylbenzylpht...	0.629	0.656	0.702	0.655	0.703	0.717	0.677	0.677	4.72	
81)	Benzo(a)anthra...	1.370	1.304	1.334	1.273	1.294	1.317	1.294	1.312	2.41	
82)	3,3'-Dichlorob...	0.370	0.389	0.380	0.372	0.365	0.394	0.384	0.379	2.78	
83)	Chrysene	1.143	1.194	1.260	1.136	1.192	1.213	1.189	1.190	3.53	
84)	Bis(2-ethylhex...	0.897	0.912	0.966	0.904	0.978	0.952	0.927	0.934	3.43	
85) c	Di-n-octyl pht...	1.145	1.219	1.338	1.265	1.376	1.390	1.361	1.299	7.10	

Method Path : Z:\svoasrv\HPCHEM1\BNA_F\Methods\
Method File : 8270-BF031025.M

86) I	Perylene-d12	-----ISTD-----									
87)	Indeno(1,2,3-c...	1.097	1.142	1.308	1.287	1.322	1.472	1.429	1.294	10.60	
88)	Benzo(b)fluora...	1.420	1.310	1.485	1.210	1.346	1.390	1.434	1.371	6.65	
89)	Benzo(k)fluora...	1.162	1.268	1.197	1.205	1.129	1.210	1.041	1.173	6.16	
90) C	Benzo(a)pyrene	1.040	1.042	1.123	1.036	1.083	1.083	1.101	1.073	3.16	
91)	Dibenzo(a,h)an...	0.910	0.953	1.073	1.068	1.095	1.195	1.178	1.067	9.91	
92)	Benzo(g,h,i)pe...	0.912	0.949	1.061	1.065	1.064	1.167	1.167	1.055	9.24	

(#) = Out of Range

2,4-Dinitrophenol



Response = 1.805e-001 * Amt - 5.933e-002
 Coef of Det (r^2) = 0.997436 Curve Fit: Linear
 Method Name: Z:\svoasrv\HPCHEM1\BNA F\Methods\8270-BF031025.M
 Calibration Table Last Updated: Mon Mar 10 15:46:22 2025

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF031025\
Data File : BF141897.D
Acq On : 10 Mar 2025 11:01
Operator : RC/JU
Sample : SSTDICC2.5
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC2.5

Quant Time: Mar 10 15:31:44 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF031025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Mar 10 15:01:52 2025
Response via : Initial Calibration

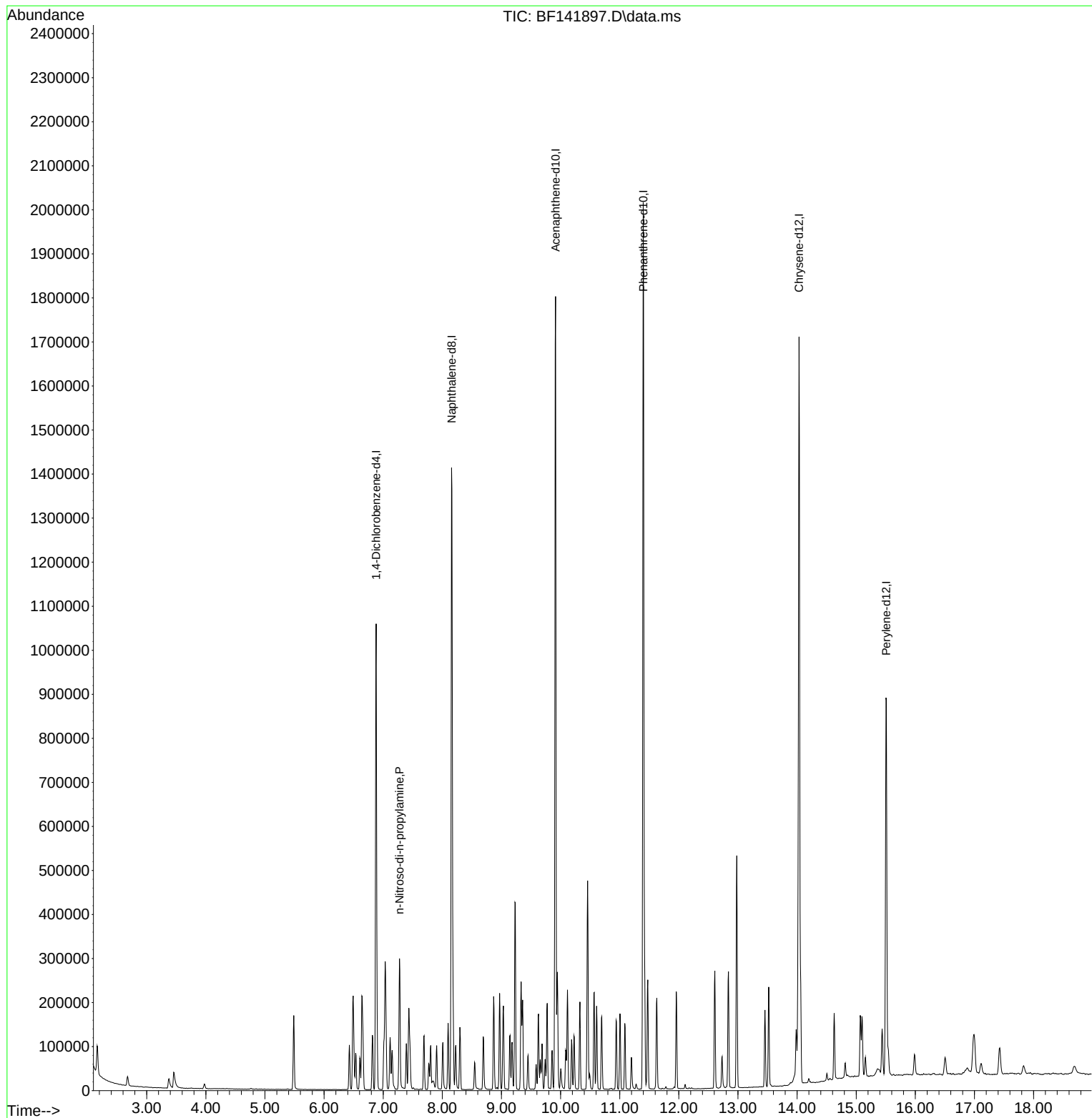
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.881	152	218163	20.000	ng	0.00
21) Naphthalene-d8	8.157	136	918034	20.000	ng	0.00
39) Acenaphthene-d10	9.916	164	548310	20.000	ng	0.00
64) Phenanthrene-d10	11.398	188	1010378	20.000	ng	0.00
76) Chrysene-d12	14.033	240	740344	20.000	ng	0.00
86) Perylene-d12	15.509	264	520745	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	0.000	112	0d	0.000	ng	
7) Phenol-d6	0.000	99	0d	0.000	ng	
23) Nitrobenzene-d5	0.000	82	0d	0.000	ng	
42) 2,4,6-Tribromophenol	0.000	330	0d	0.000	ng	
45) 2-Fluorobiphenyl	0.000	172	0d	0.000	ng	
79) Terphenyl-d14	0.000	244	0d	0.000	ng	
Target Compounds						
19) n-Nitroso-di-n-propyla...	7.275	70	27816	2.599	ng	Qvalue 94

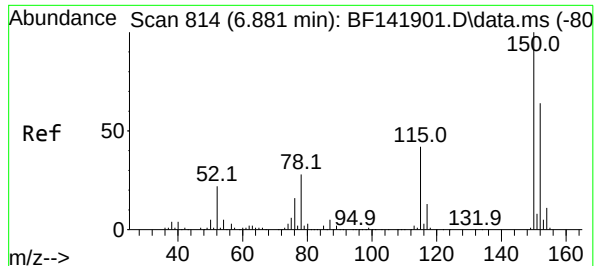
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF031025\
Data File : BF141897.D
Acq On : 10 Mar 2025 11:01
Operator : RC/JU
Sample : SSTDICC2.5
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC2.5

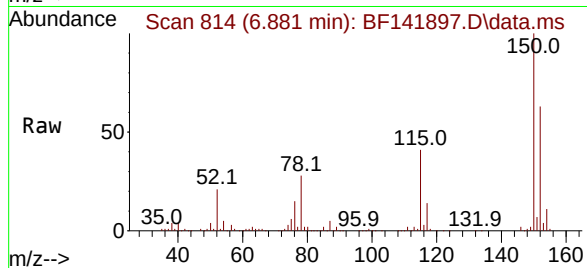
Quant Time: Mar 10 15:31:44 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF031025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Mar 10 15:01:52 2025
Response via : Initial Calibration



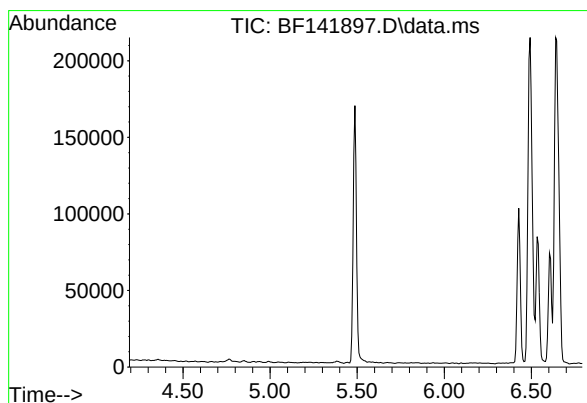
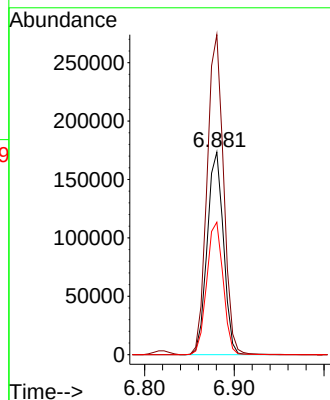
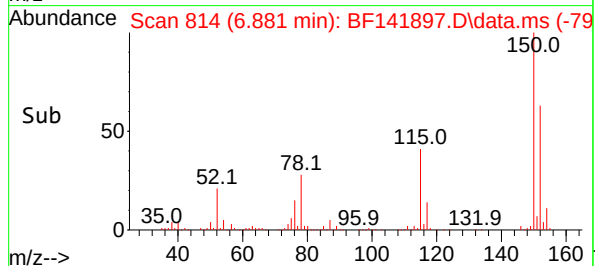


#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.881 min Scan# 81
Delta R.T. -0.000 min
Lab File: BF141897.D
Acq: 10 Mar 2025 11:01

Instrument :
BNA_F
ClientSampleId :
SSTDICC2.5



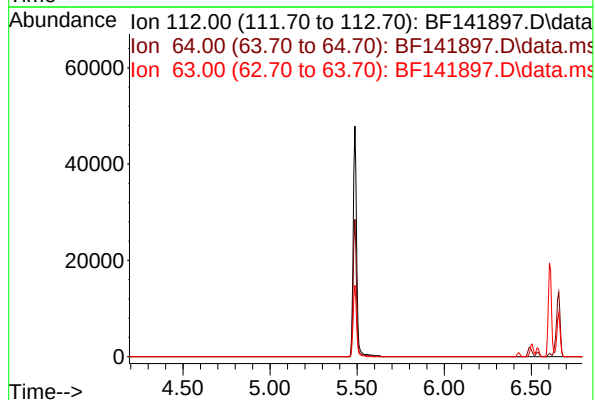
Tgt Ion:152 Resp: 218163
Ion Ratio Lower Upper
152 100
150 158.0 127.4 191.2
115 65.4 51.9 77.9



#5
2-Fluorophenol
Concen: 0.000 ng
Expected RT: 5.49 min

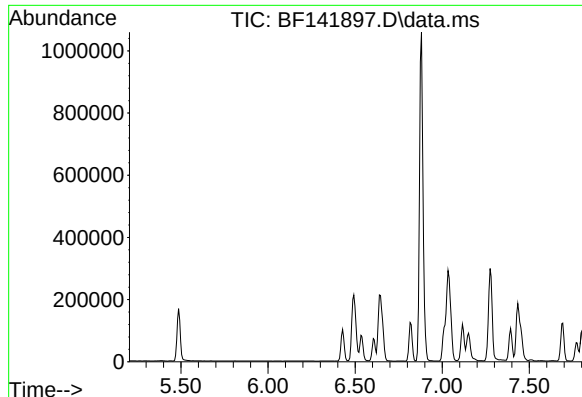
Lab File: BF141897.D
Acq: 10 Mar 2025 11:01

Tgt Ion: 112
Sig Exp Ratio
112 100
64 58.1
63 31.8



Ion 64.00 (63.70 to 64.70): BF141897.D\data.ms

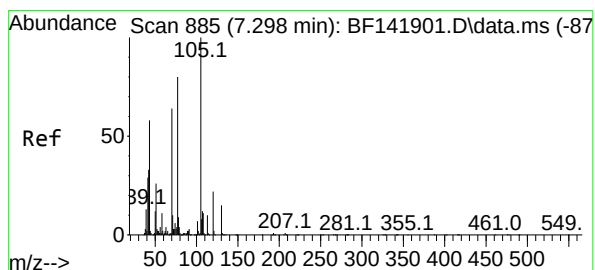
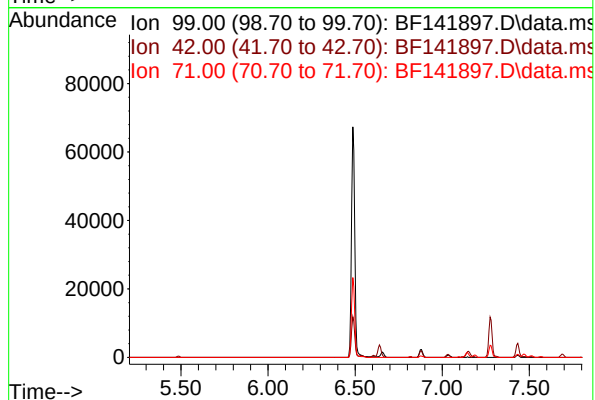
Ion 63.00 (62.70 to 63.70): BF141897.D\data.ms



#7
Phenol-d6
Concen: 0.000 ng
Expected RT: 6.50 min
Lab File: BF141897.D
Acq: 10 Mar 2025 11:01

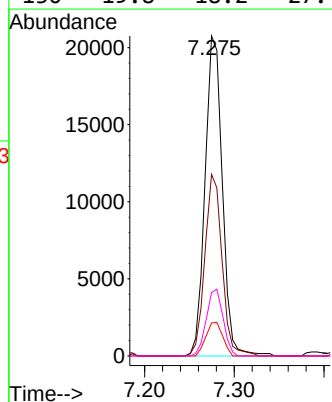
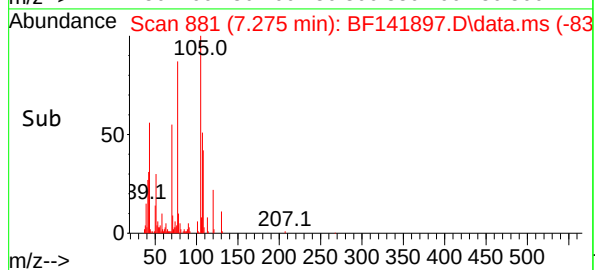
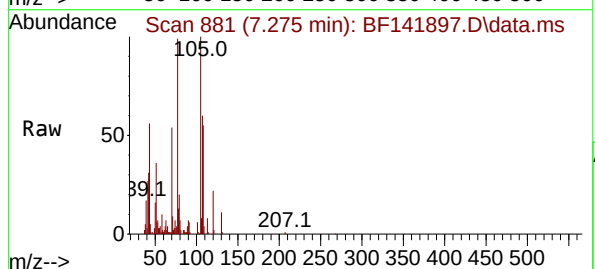
Instrument :
BNA_F
ClientSampleId :
SSTDICC2.5

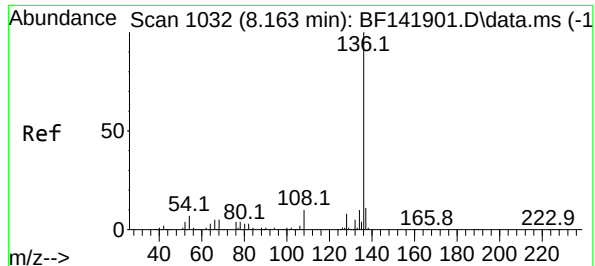
Tgt Ion: 99
Sig Exp Ratio
99 100
42 18.2
71 38.5



#19
n-Nitroso-di-n-propylamine
Concen: 2.599 ng
RT: 7.275 min Scan# 881
Delta R.T. -0.024 min
Lab File: BF141897.D
Acq: 10 Mar 2025 11:01

Tgt Ion: 70 Resp: 27816
Ion Ratio Lower Upper
70 100
42 56.8 41.4 62.0
101 10.3 8.2 12.2
130 19.8 18.2 27.4





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.157 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF141897.D

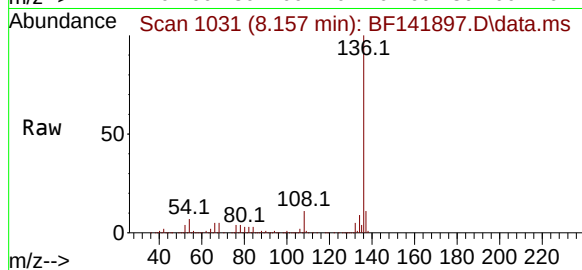
Acq: 10 Mar 2025 11:01

Instrument :

BNA_F

ClientSampleId :

SSTDICC2.5



Tgt Ion:136 Resp: 918034

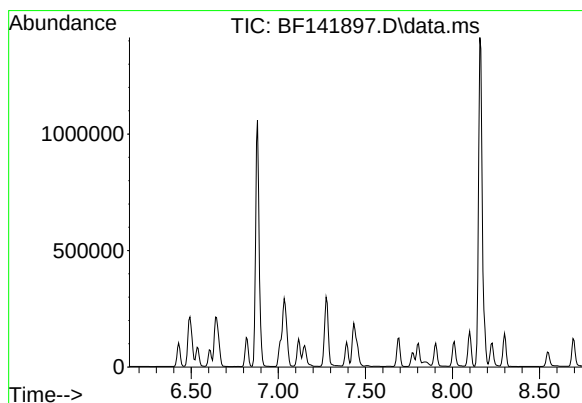
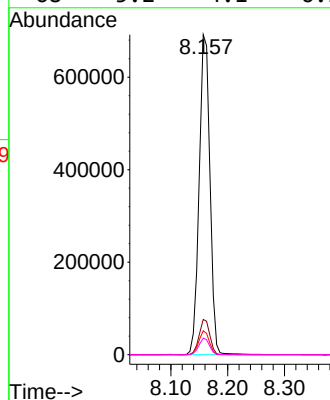
Ion Ratio Lower Upper

136 100

137 11.0 8.8 13.2

54 7.5 5.8 8.8

68 5.2 4.1 6.1



#23

Nitrobenzene-d5

Concen: 0.000 ng

Expected RT: 7.45 min

Lab File: BF141897.D

Acq: 10 Mar 2025 11:01

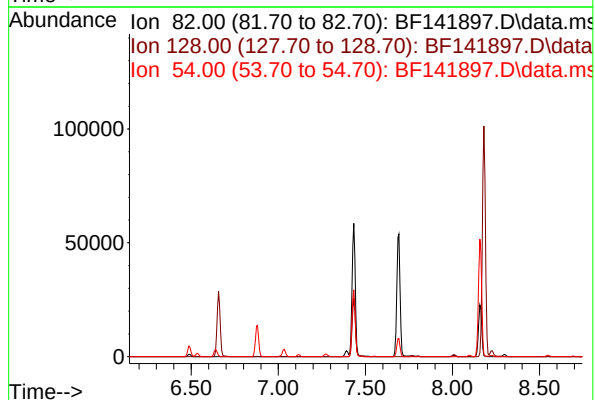
Tgt Ion: 82

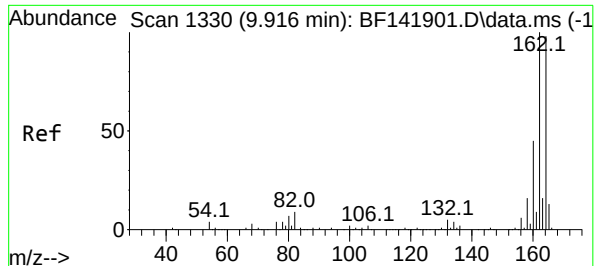
Sig Exp Ratio

82 100

128 45.0

54 49.5





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.916 min Scan# 1

Delta R.T. -0.000 min

Lab File: BF141897.D

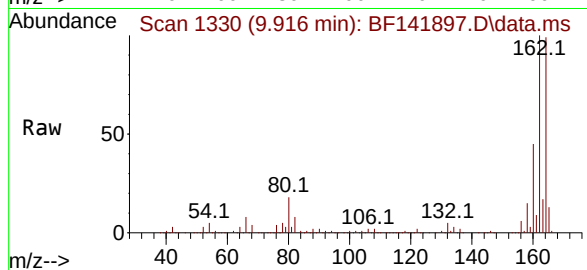
Acq: 10 Mar 2025 11:01

Instrument :

BNA_F

ClientSampleId :

SSTDICC2.5



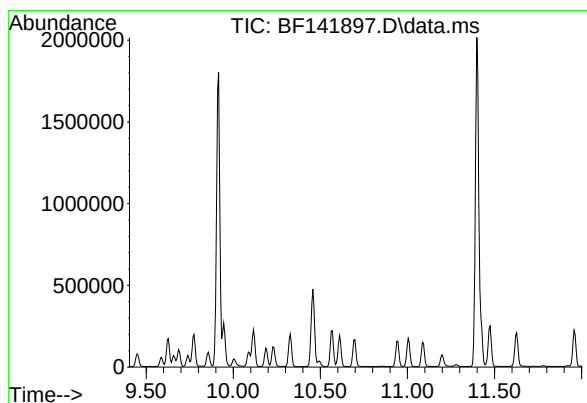
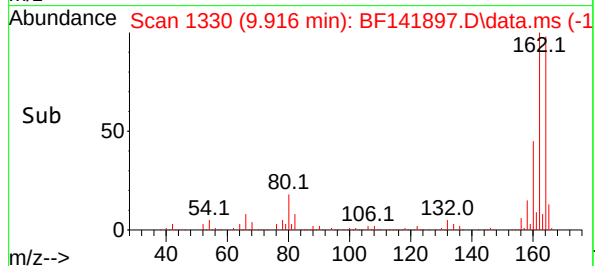
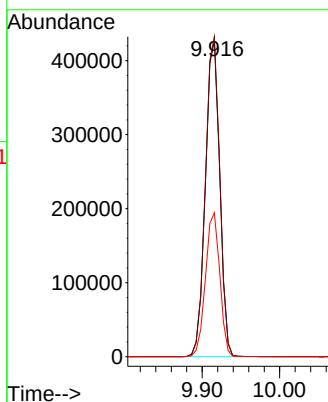
Tgt Ion:164 Resp: 548310

Ion Ratio Lower Upper

164 100

162 101.3 81.8 122.6

160 45.5 36.7 55.1



#42

2,4,6-Tribromophenol

Concen: 0.000 ng

Expected RT: 10.70 min

Lab File: BF141897.D

Acq: 10 Mar 2025 11:01

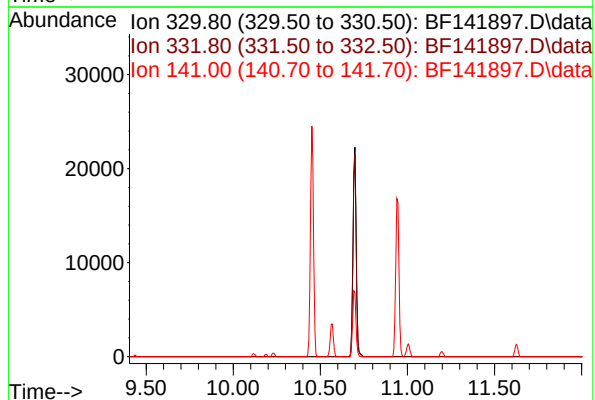
Tgt Ion: 330

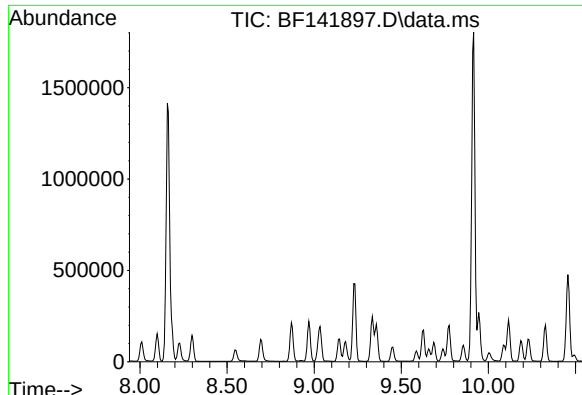
Sig Exp Ratio

330 100

332 97.0

141 30.9





#45

2-Fluorobiphenyl

Concen: 0.000 ng

Expected RT: 9.24 min

Lab File: BF141897.D

Acq: 10 Mar 2025 11:01

Instrument :

BNA_F

ClientSampleId :

SSTDICC2.5

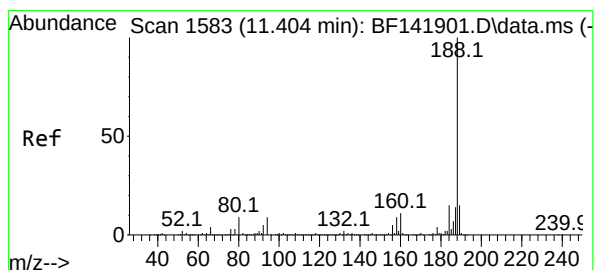
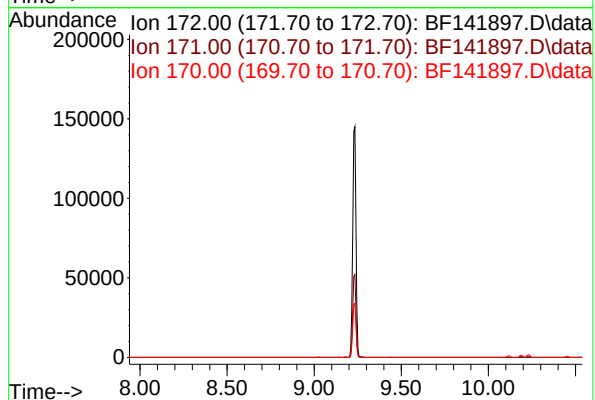
Tgt Ion: 172

Sig Exp Ratio

172 100

171 36.6

170 24.2



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.398 min Scan# 1582

Delta R.T. -0.006 min

Lab File: BF141897.D

Acq: 10 Mar 2025 11:01

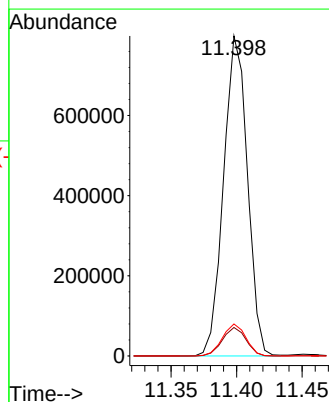
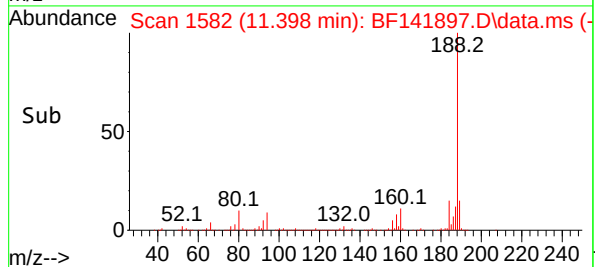
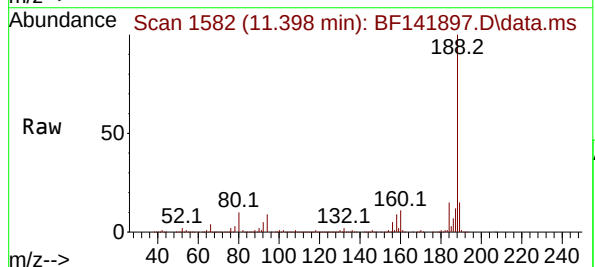
Tgt Ion:188 Resp: 1010378

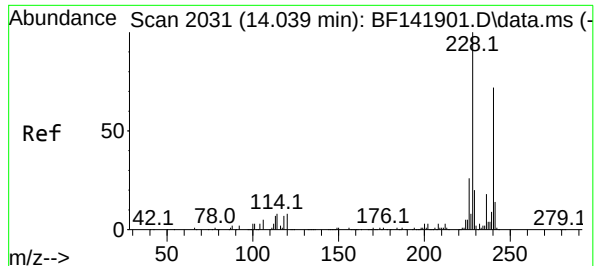
Ion Ratio Lower Upper

188 100

94 8.9 6.8 10.2

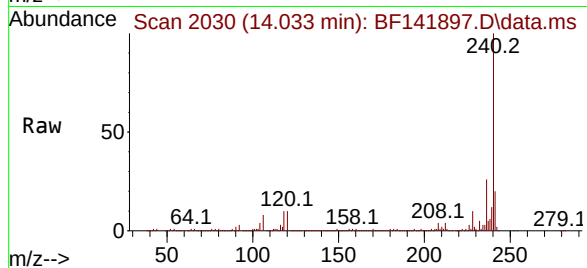
80 10.0 7.6 11.4



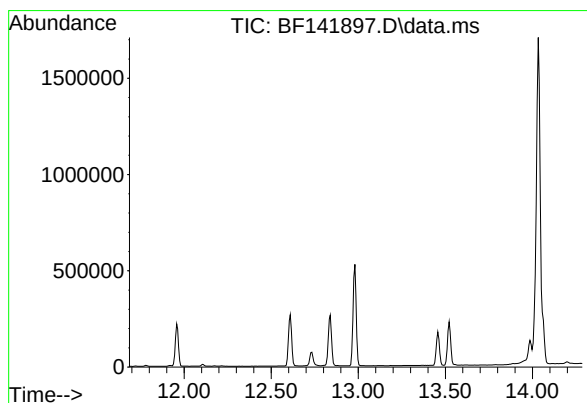
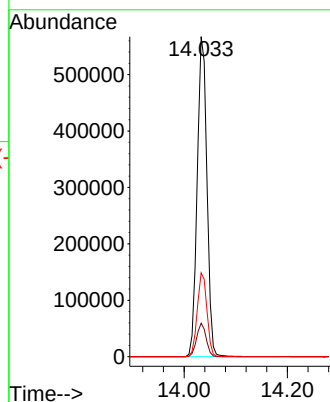
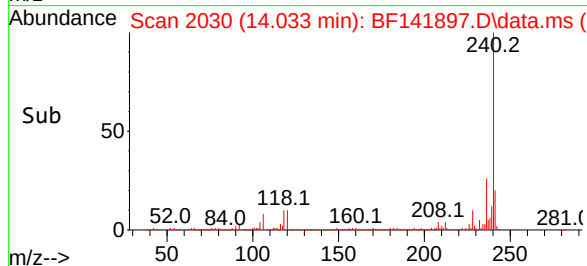


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.033 min Scan# 20
Delta R.T. -0.006 min
Lab File: BF141897.D
Acq: 10 Mar 2025 11:01

Instrument :
BNA_F
ClientSampleId :
SSTDICC2.5



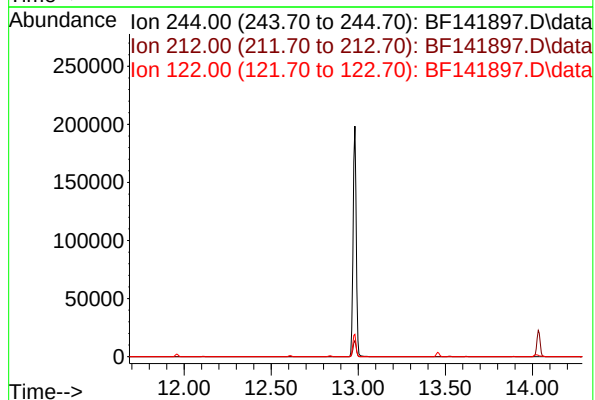
Tgt Ion:240 Resp: 740344
Ion Ratio Lower Upper
240 100
120 10.5 8.4 12.6
236 26.2 20.5 30.7

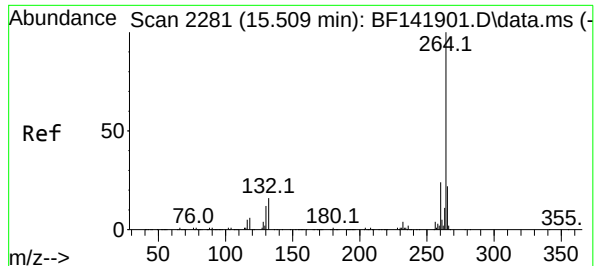


#79
Terphenyl-d14
Concen: 0.000 ng
Expected RT: 12.99 min

Lab File: BF141897.D
Acq: 10 Mar 2025 11:01

Tgt Ion: 244
Sig Exp Ratio
244 100
212 7.5
122 9.6





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.509 min Scan# 21

Delta R.T. -0.000 min

Lab File: BF141897.D

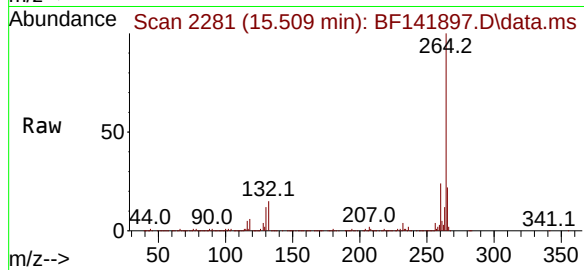
Acq: 10 Mar 2025 11:01

Instrument :

BNA_F

ClientSampleId :

SSTDICC2.5



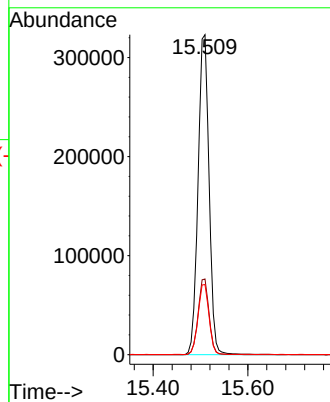
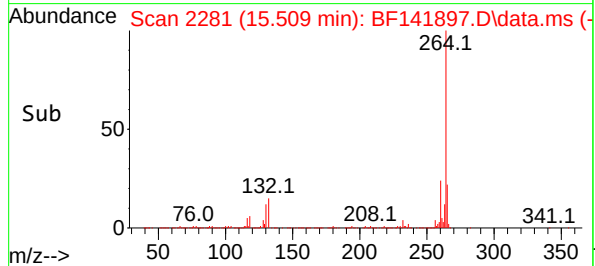
Tgt Ion:264 Resp: 520745

Ion	Ratio	Lower	Upper

264	100		

260	23.7	19.1	28.7

265	21.9	17.5	26.3



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF031025\
 Data File : BF141898.D
 Acq On : 10 Mar 2025 11:30
 Operator : RC/JU
 Sample : SSTDICC005
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SSTDICC005

Quant Time: Mar 10 15:32:38 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF031025.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Mar 10 15:01:52 2025
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.881	152	230406	20.000	ng	0.00
21) Naphthalene-d8	8.157	136	926118	20.000	ng	0.00
39) Acenaphthene-d10	9.916	164	546702	20.000	ng	0.00
64) Phenanthrene-d10	11.398	188	1002901	20.000	ng	0.00
76) Chrysene-d12	14.033	240	745624	20.000	ng	0.00
86) Perylene-d12	15.504	264	527129	20.000	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.487	112	145959	10.570	ng	0.00
7) Phenol-d6	6.486	99	186951	10.630	ng	-0.02
23) Nitrobenzene-d5	7.433	82	159777	9.670	ng	-0.01
42) 2,4,6-Tribromophenol	10.698	330	63996	9.238	ng	0.00
45) 2-Fluorobiphenyl	9.233	172	390913	10.888	ng	0.00
79) Terphenyl-d14	12.980	244	500607	9.924	ng	0.00

Target Compounds				Qvalue		
2) 1,4-Dioxane	2.675	88	28210	4.874	ng	99
3) Pyridine	3.451	79	70090	4.928	ng	99
4) n-Nitrosodimethylamine	3.369	42	31893	4.717	ng	# 99
6) Aniline	6.534	93	92116	5.305	ng	100
8) 2-Chlorophenol	6.657	128	81845	5.347	ng	98
10) Phenol	6.504	94	98369	5.301	ng	96
11) bis(2-Chloroethyl)ether	6.604	93	74158	5.334	ng	98
12) 1,3-Dichlorobenzene	6.816	146	84952	5.136	ng	100
13) 1,4-Dichlorobenzene	6.898	146	87237	5.213	ng	98
14) 1,2-Dichlorobenzene	7.045	146	84183	5.342	ng	99
15) Benzyl Alcohol	7.010	79	71182	5.000	ng	98
16) 2,2'-oxybis(1-Chloropr...	7.151	45	91659	5.470	ng	97
17) 2-Methylphenol	7.116	107	62211	5.114	ng	99
18) Hexachloroethane	7.392	117	31373	5.000	ng	96
19) n-Nitroso-di-n-propyla...	7.281	70	58981	5.218	ng	98
20) 3+4-Methylphenols	7.269	107	83461	5.349	ng	97
22) Acetophenone	7.281	105	119040	5.358	ng	99
24) Nitrobenzene	7.451	77	80338	4.904	ng	99
25) Isophorone	7.692	82	149807	5.135	ng	99
26) 2-Nitrophenol	7.775	139	34757	4.329	ng	98
27) 2,4-Dimethylphenol	7.804	122	57106	5.164	ng	96
28) bis(2-Chloroethoxy)met...	7.904	93	95214	5.210	ng	97
29) 2,4-Dichlorophenol	8.010	162	67710	4.934	ng	99
30) 1,2,4-Trichlorobenzene	8.098	180	78127	5.160	ng	98
31) Naphthalene	8.180	128	255632	5.388	ng	98
33) 4-Chloroaniline	8.228	127	88635	5.294	ng	99
34) Hexachlorobutadiene	8.298	225	48885	4.966	ng	99
35) Caprolactam	8.557	113	21358	5.118	ng	94
36) 4-Chloro-3-methylphenol	8.692	107	77370	5.070	ng	99
37) 2-Methylnaphthalene	8.869	142	172734	5.427	ng	99
38) 1-Methylnaphthalene	8.969	142	166050	5.387	ng	99
40) 1,2,4,5-Tetrachloroben...	9.033	216	84034	5.041	ng	99
41) Hexachlorocyclopentadiene	9.022	237	27931	4.246	ng	96
43) 2,4,6-Trichlorophenol	9.145	196	52998	4.877	ng	99
44) 2,4,5-Trichlorophenol	9.180	196	54111	4.901	ng	97
46) 1,1'-Biphenyl	9.333	154	223637	5.395	ng	98

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF031025\
 Data File : BF141898.D
 Acq On : 10 Mar 2025 11:30
 Operator : RC/JU
 Sample : SSTDICC005
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SSTDICC005

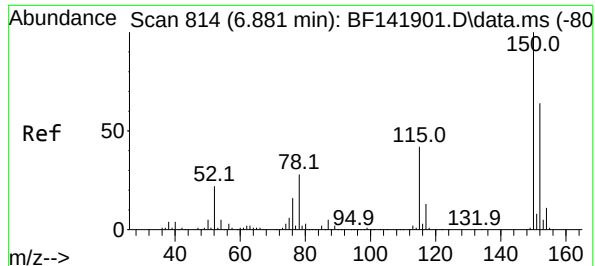
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 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Mar 10 15:01:52 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
47) 2-Chloronaphthalene	9.357	162	163642	5.298	ng	97
48) 2-Nitroaniline	9.451	65	40475	4.561	ng	98
49) Acenaphthylene	9.774	152	241253	5.268	ng	99
50) Dimethylphthalate	9.627	163	202373	5.328	ng	100
51) 2,6-Dinitrotoluene	9.686	165	37796	4.785	ng	99
52) Acenaphthene	9.945	154	168975	5.225	ng	98
53) 3-Nitroaniline	9.857	138	39761	4.902	ng	98
55) Dibenzofuran	10.116	168	252715	5.481	ng	97
56) 4-Nitrophenol	10.004	139	26252	4.309	ng	99
57) 2,4-Dinitrotoluene	10.092	165	49913	4.800	ng	98
58) Fluorene	10.457	166	197266	5.542	ng	99
59) 2,3,4,6-Tetrachlorophenol	10.233	232	48472	4.839	ng	98
60) Diethylphthalate	10.327	149	201554	5.286	ng	99
61) 4-Chlorophenyl-phenyle...	10.451	204	99747	5.380	ng	98
62) 4-Nitroaniline	10.463	138	38863	4.945	ng	94
63) Azobenzene	10.610	77	190233	5.370	ng	98
66) n-Nitrosodiphenylamine	10.569	169	169225	5.223	ng	98
67) 4-Bromophenyl-phenylether	10.945	248	60238	4.823	ng	98
68) Hexachlorobenzene	11.004	284	65620	4.753	ng	98
69) Atrazine	11.092	200	54251	6.867	ng	98
70) Pentachlorophenol	11.198	266	32716	3.843	ng	100
71) Phenanthrene	11.421	178	289580	5.340	ng	98
72) Anthracene	11.474	178	294198	5.407	ng	98
73) Carbazole	11.627	167	249634	5.329	ng	99
74) Di-n-butylphthalate	11.957	149	330999	5.352	ng	99
75) Fluoranthene	12.610	202	309273	5.432	ng	99
77) Benzidine	12.733	184	64673	6.138	ng	99
78) Pyrene	12.839	202	315969	4.941	ng	99
80) Butylbenzylphthalate	13.457	149	117256	4.653	ng	99
81) Benzo(a)anthracene	14.021	228	255308	5.205	ng	100
82) 3,3'-Dichlorobenzidine	13.986	252	68969	4.865	ng	100
83) Chrysene	14.062	228	213144	4.837	ng	99
84) Bis(2-ethylhexyl)phtha...	14.015	149	167165	4.836	ng	99
85) Di-n-octyl phthalate	14.627	149	213395	4.435	ng	99
87) Indeno(1,2,3-cd)pyrene	16.980	276	144536	4.228	ng	99
88) Benzo(b)fluoranthene	15.068	252	187154	5.234	ng	99
89) Benzo(k)fluoranthene	15.098	252	153142	4.903	ng	99
90) Benzo(a)pyrene	15.439	252	137043	4.860	ng	99
91) Dibenzo(a,h)anthracene	16.998	278	119937	4.252	ng	99
92) Benzo(g,h,i)perylene	17.427	276	120142	4.294	ng	99

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

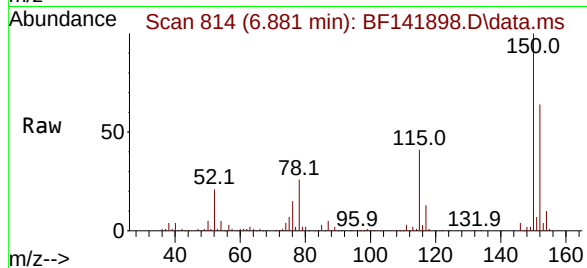
Instrument :
BNA_F
ClientSampleId :
SSTDICC005

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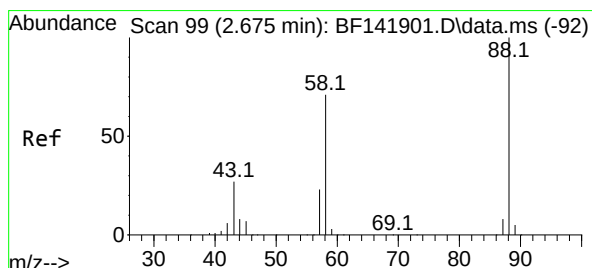
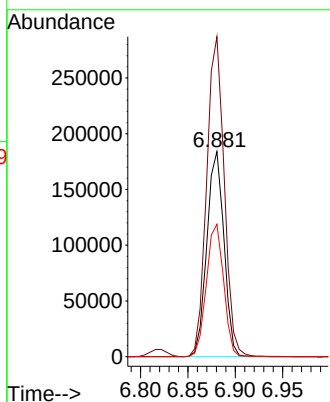
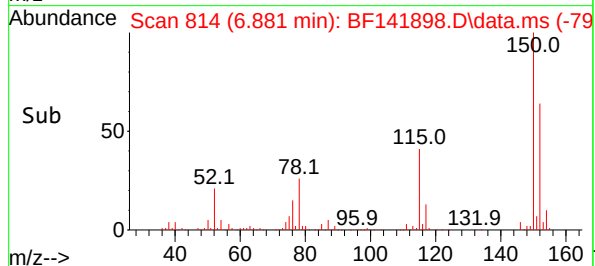


#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.881 min Scan# 814
Delta R.T. -0.000 min
Lab File: BF141898.D
Acq: 10 Mar 2025 11:30

Instrument :
BNA_F
ClientSampleId :
SSTDIC005

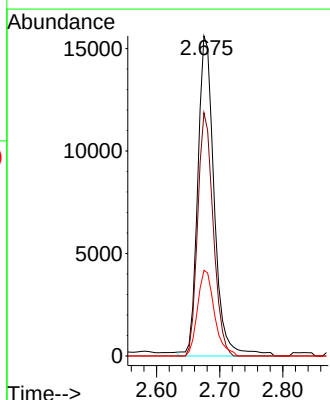
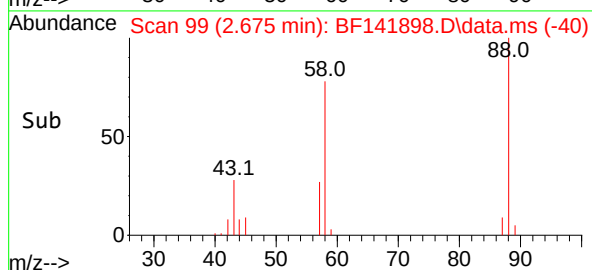
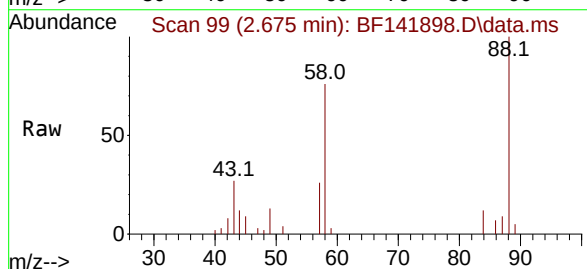


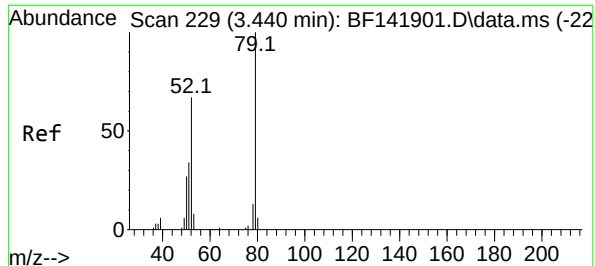
Tgt Ion:152 Resp: 230406
Ion Ratio Lower Upper
152 100
150 155.9 127.4 191.2
115 64.6 51.9 77.9



#2
1,4-Dioxane
Concen: 4.874 ng
RT: 2.675 min Scan# 99
Delta R.T. -0.000 min
Lab File: BF141898.D
Acq: 10 Mar 2025 11:30

Tgt Ion: 88 Resp: 28210
Ion Ratio Lower Upper
88 100
58 71.4 57.4 86.2
43 27.5 21.5 32.3





#3

Pyridine

Concen: 4.928 ng

RT: 3.451 min Scan# 21

Delta R.T. 0.012 min

Lab File: BF141898.D

Acq: 10 Mar 2025 11:30

Instrument :

BNA_F

ClientSampleId :

SSTDICC005

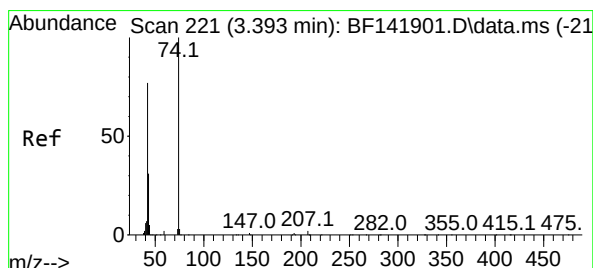
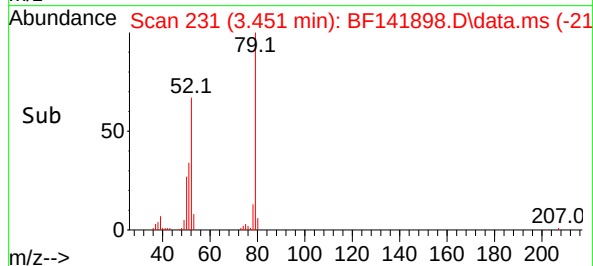
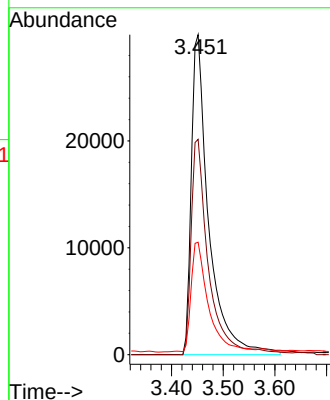
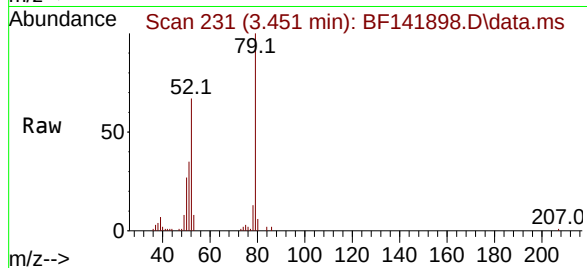
Tgt Ion: 79 Resp: 70090

Ion Ratio Lower Upper

79 100

52 67.3 53.3 79.9

51 35.2 27.6 41.4



#4

n-Nitrosodimethylamine

Concen: 4.717 ng

RT: 3.369 min Scan# 217

Delta R.T. -0.024 min

Lab File: BF141898.D

Acq: 10 Mar 2025 11:30

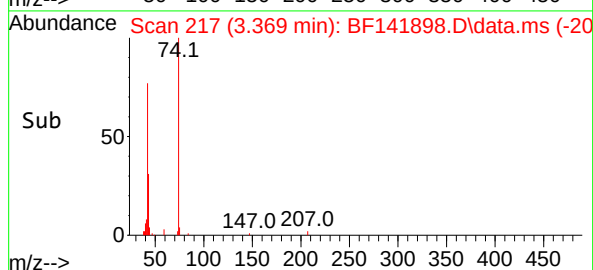
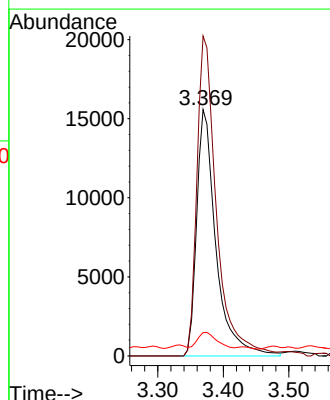
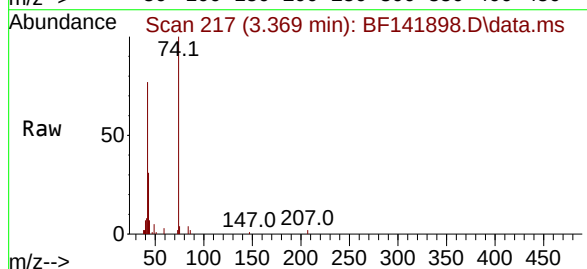
Tgt Ion: 42 Resp: 31893

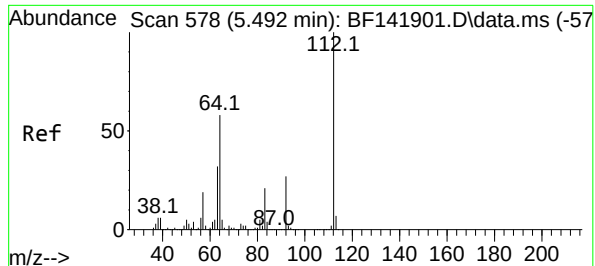
Ion Ratio Lower Upper

42 100

74 129.9 103.4 155.0

44 9.5 5.0 7.4#

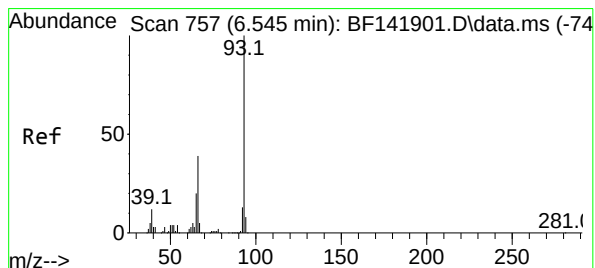
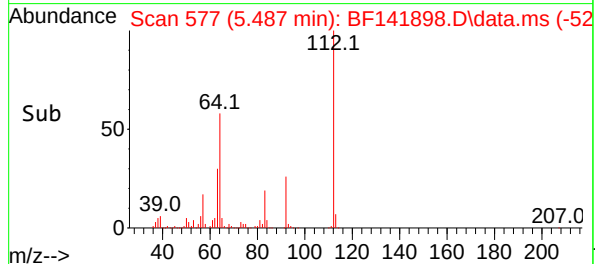
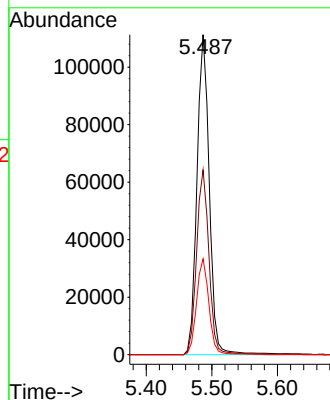
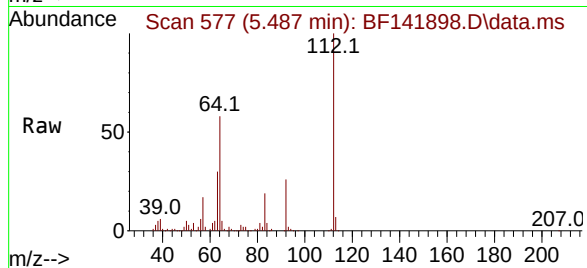




#5
2-Fluorophenol
Concen: 10.570 ng
RT: 5.487 min Scan# 51
Delta R.T. -0.006 min
Lab File: BF141898.D
Acq: 10 Mar 2025 11:30

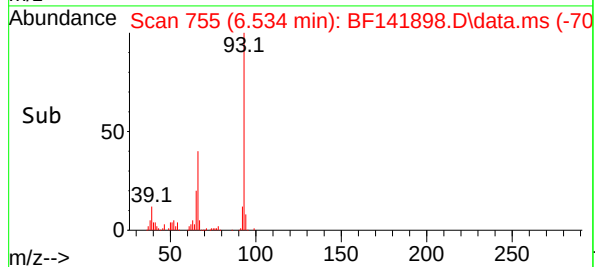
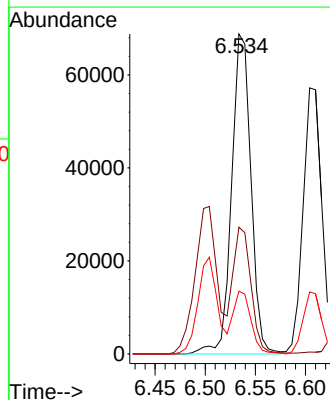
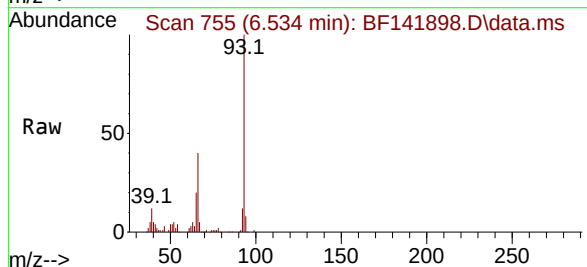
Instrument :
BNA_F
ClientSampleId :
SSTDICC005

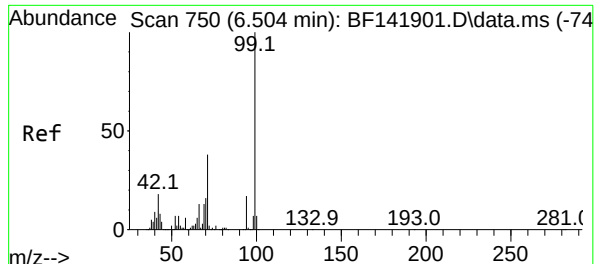
Tgt Ion:112 Resp: 145959
Ion Ratio Lower Upper
112 100
64 57.8 46.5 69.7
63 29.9 25.4 38.2



#6
Aniline
Concen: 5.305 ng
RT: 6.534 min Scan# 755
Delta R.T. -0.012 min
Lab File: BF141898.D
Acq: 10 Mar 2025 11:30

Tgt Ion: 93 Resp: 92116
Ion Ratio Lower Upper
93 100
66 39.6 31.9 47.9
65 19.6 15.8 23.6

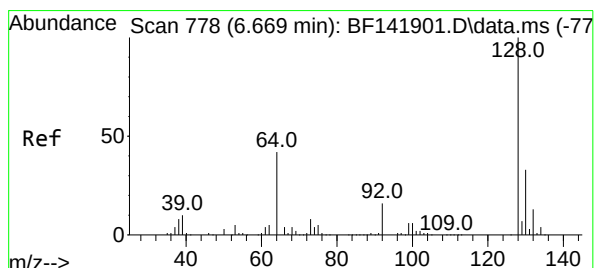
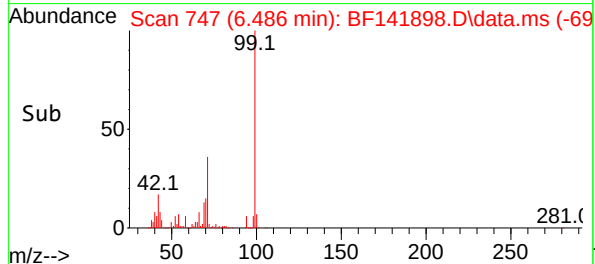
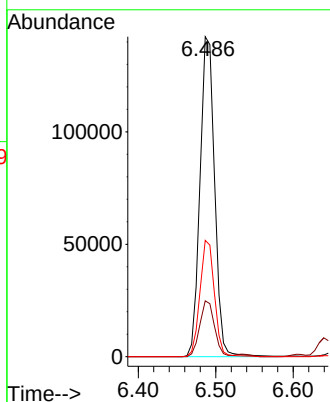
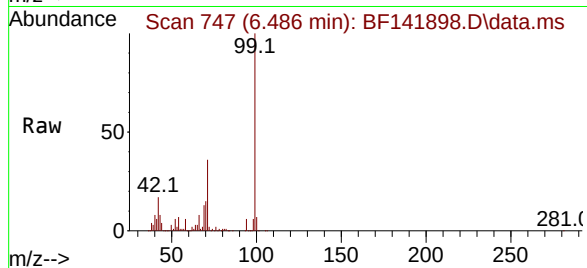




#7
Phenol-d6
Concen: 10.630 ng
RT: 6.486 min Scan# 747
Delta R.T. -0.018 min
Lab File: BF141898.D
Acq: 10 Mar 2025 11:30

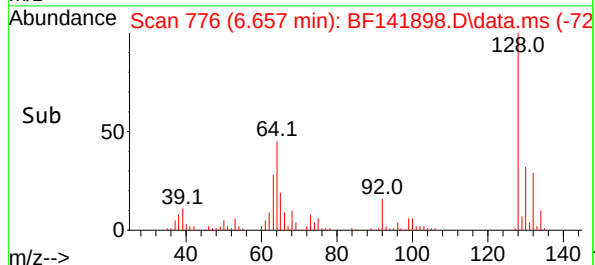
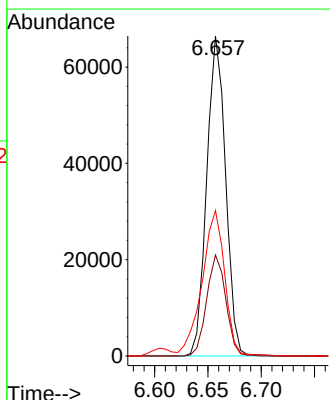
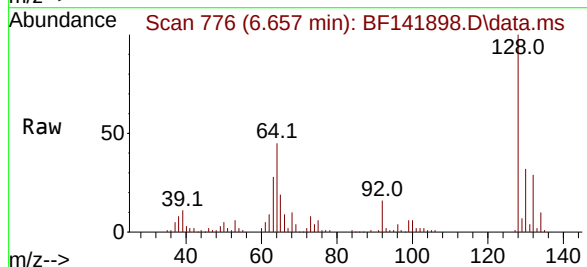
Instrument :
BNA_F
ClientSampleId :
SSTDICC005

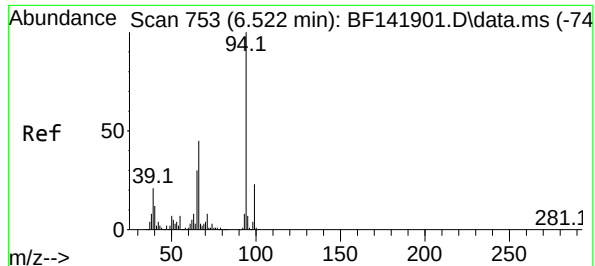
Tgt Ion: 99 Resp: 186951
Ion Ratio Lower Upper
99 100
42 17.5 14.6 21.8
71 36.4 30.8 46.2



#8
2-Chlorophenol
Concen: 5.347 ng
RT: 6.657 min Scan# 776
Delta R.T. -0.012 min
Lab File: BF141898.D
Acq: 10 Mar 2025 11:30

Tgt Ion: 128 Resp: 81845
Ion Ratio Lower Upper
128 100
130 31.5 12.8 52.8
64 45.5 24.4 64.4

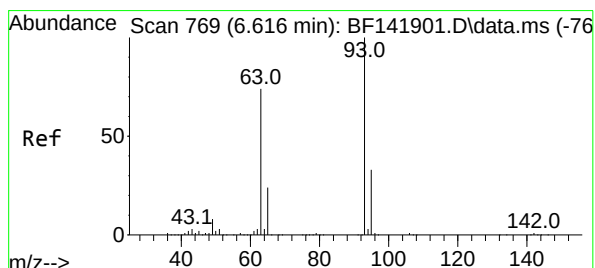
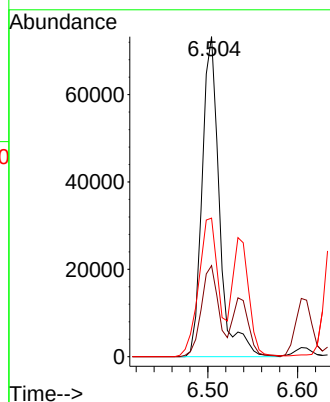
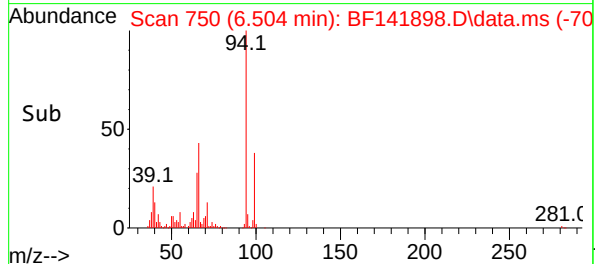
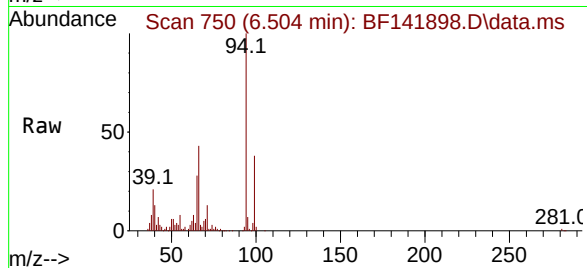




#10
Phenol
Concen: 5.301 ng
RT: 6.504 min Scan# 750
Delta R.T. -0.018 min
Lab File: BF141898.D
Acq: 10 Mar 2025 11:30

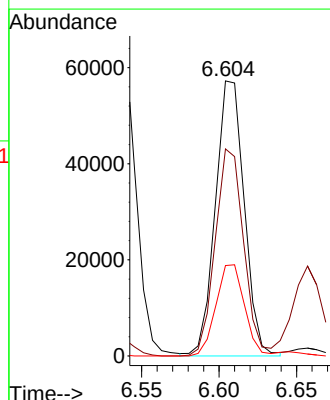
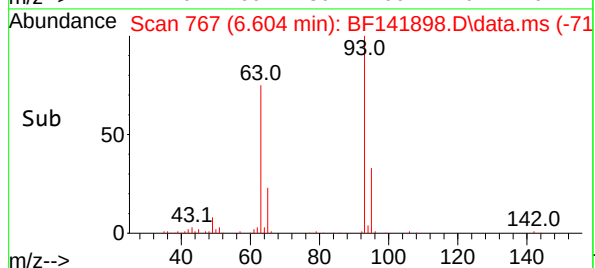
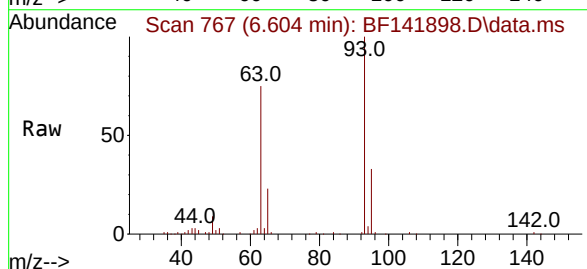
Instrument :
BNA_F
ClientSampleId :
SSTDICC005

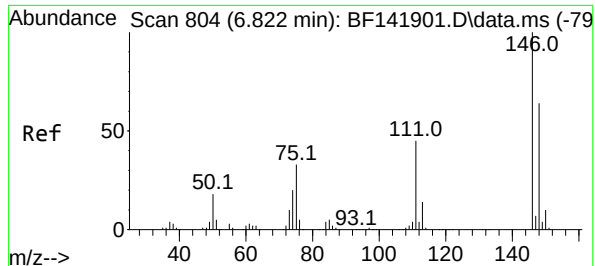
Tgt Ion	Ratio	Lower	Upper
94	100		
65	28.4	10.5	50.5
66	43.3	25.8	65.8



#11
bis(2-Chloroethyl)ether
Concen: 5.334 ng
RT: 6.604 min Scan# 767
Delta R.T. -0.012 min
Lab File: BF141898.D
Acq: 10 Mar 2025 11:30

Tgt Ion	Ratio	Lower	Upper
93	100		
63	75.3	53.0	93.0
95	32.9	12.9	52.9





#12

1,3-Dichlorobenzene

Concen: 5.136 ng

RT: 6.816 min Scan# 804

Delta R.T. -0.006 min

Lab File: BF141898.D

Acq: 10 Mar 2025 11:30

Instrument :

BNA_F

ClientSampleId :

SSTDICC005

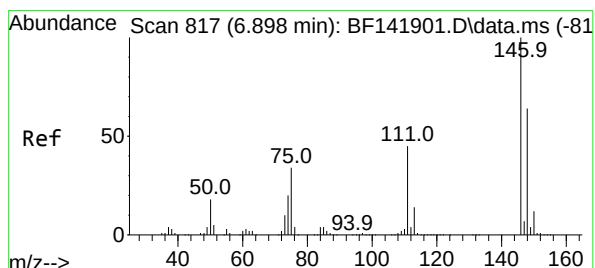
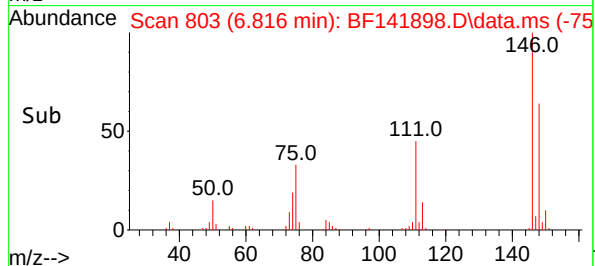
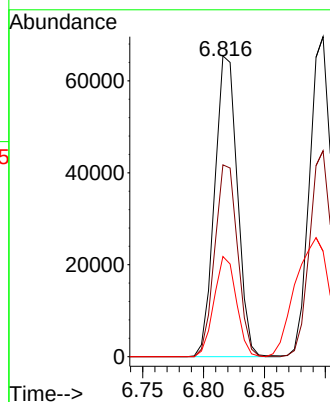
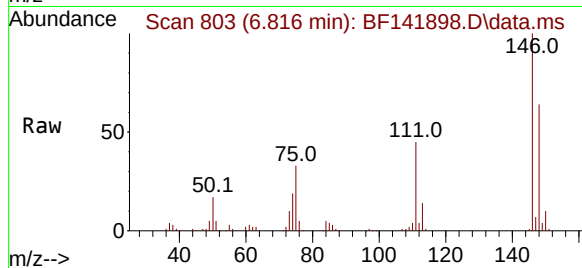
Tgt Ion:146 Resp: 84952

Ion Ratio Lower Upper

146 100

148 63.8 51.3 76.9

75 33.3 26.6 40.0



#13

1,4-Dichlorobenzene

Concen: 5.213 ng

RT: 6.898 min Scan# 817

Delta R.T. -0.000 min

Lab File: BF141898.D

Acq: 10 Mar 2025 11:30

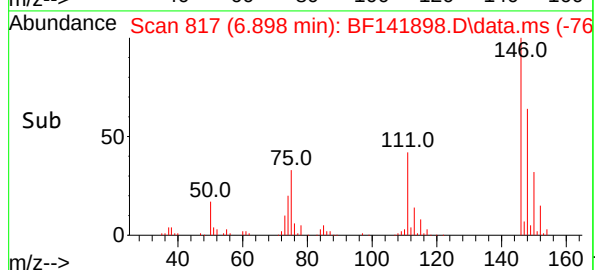
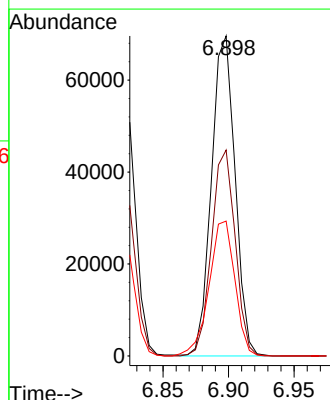
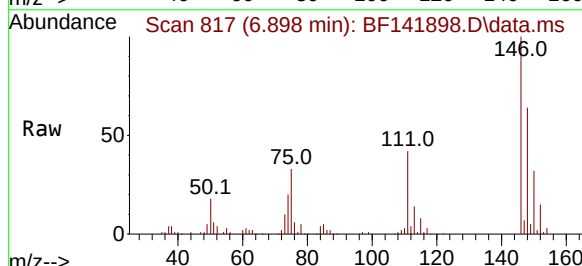
Tgt Ion:146 Resp: 87237

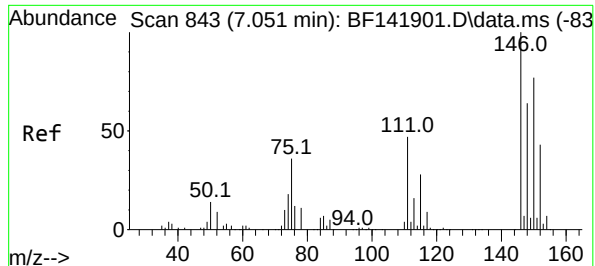
Ion Ratio Lower Upper

146 100

148 64.3 51.0 76.6

111 42.2 35.7 53.5





#14

1,2-Dichlorobenzene

Concen: 5.342 ng

RT: 7.045 min Scan# 84

Delta R.T. -0.006 min

Lab File: BF141898.D

Acq: 10 Mar 2025 11:30

Instrument :

BNA_F

ClientSampleId :

SSTDIC005

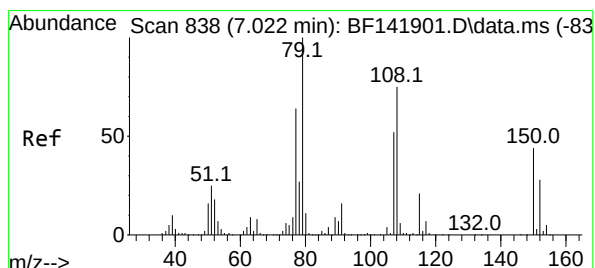
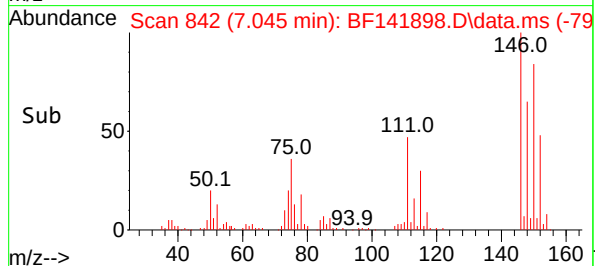
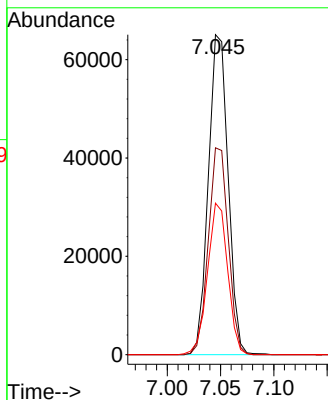
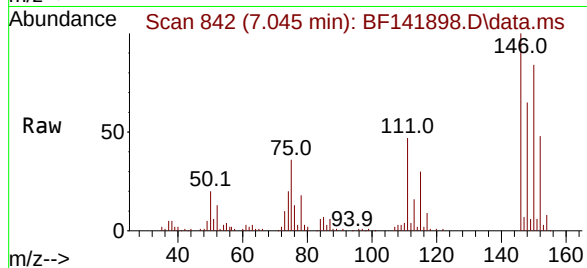
Tgt Ion:146 Resp: 84183

Ion Ratio Lower Upper

146 100

148 64.7 50.8 76.2

111 47.4 38.0 57.0



#15

Benzyl Alcohol

Concen: 5.000 ng

RT: 7.010 min Scan# 836

Delta R.T. -0.012 min

Lab File: BF141898.D

Acq: 10 Mar 2025 11:30

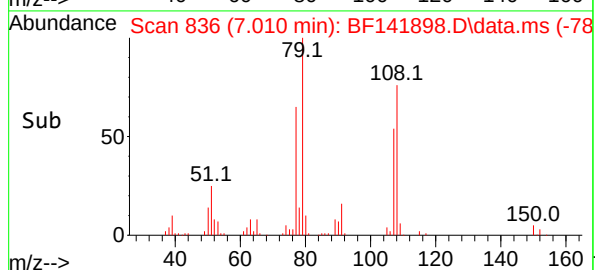
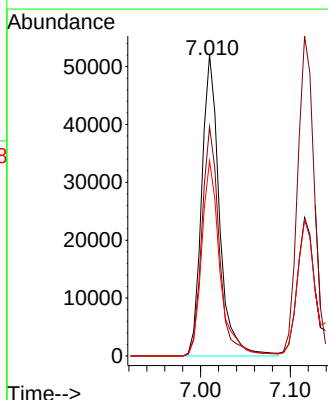
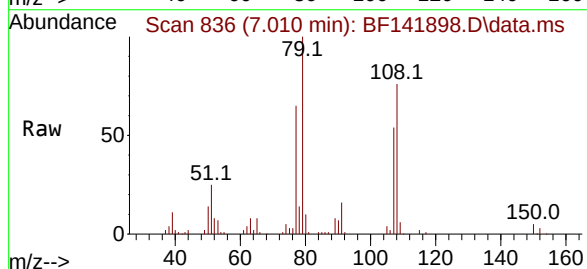
Tgt Ion: 79 Resp: 71182

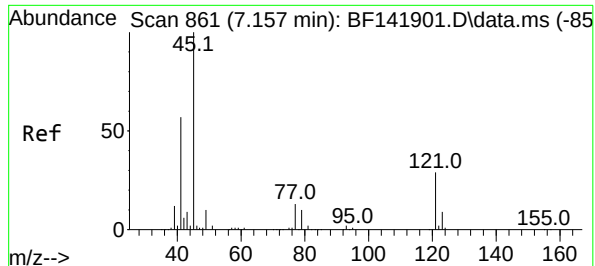
Ion Ratio Lower Upper

79 100

108 76.1 59.7 89.5

77 64.8 51.0 76.6

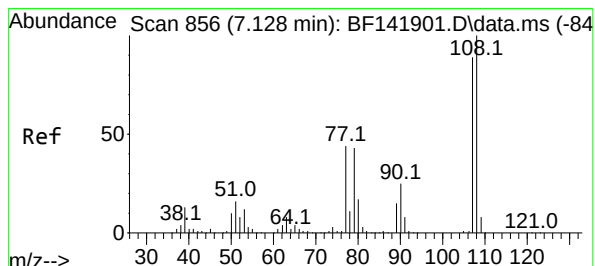
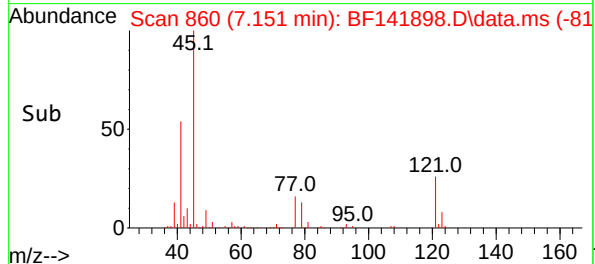
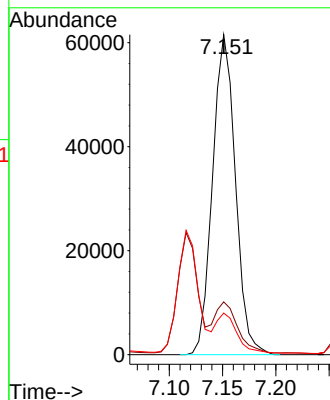
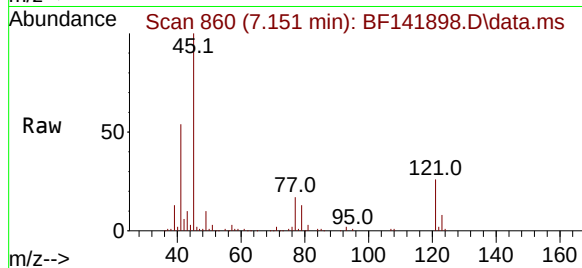




#16
2,2'-oxybis(1-Chloropropane)
Concen: 5.470 ng
RT: 7.151 min Scan# 80
Delta R.T. -0.006 min
Lab File: BF141898.D
Acq: 10 Mar 2025 11:30

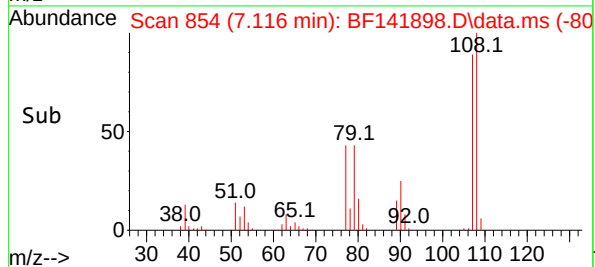
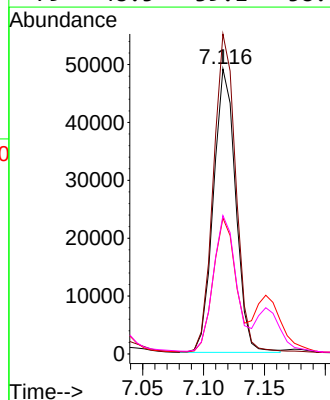
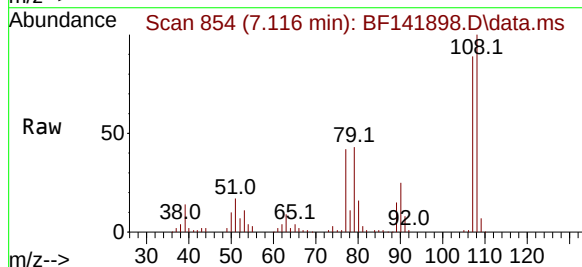
Instrument :
BNA_F
ClientSampleId :
SSTDICC005

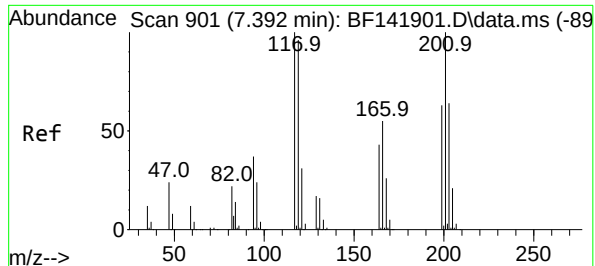
Tgt Ion:	45	Resp:	91659
Ion Ratio	Lower	Upper	
45	100		
77	16.5	0.0	37.8
79	13.0	0.0	34.2



#17
2-Methylphenol
Concen: 5.114 ng
RT: 7.116 min Scan# 854
Delta R.T. -0.012 min
Lab File: BF141898.D
Acq: 10 Mar 2025 11:30

Tgt Ion:	107	Resp:	62211
Ion Ratio	Lower	Upper	
107	100		
108	112.2	90.2	135.2
77	47.6	39.6	59.4
79	48.5	39.1	58.7

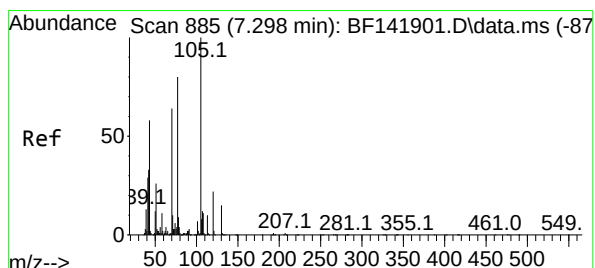
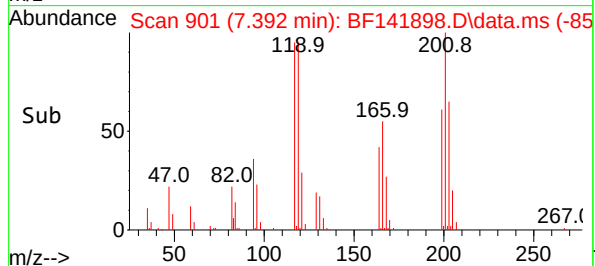
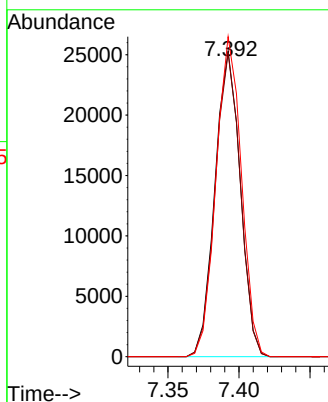
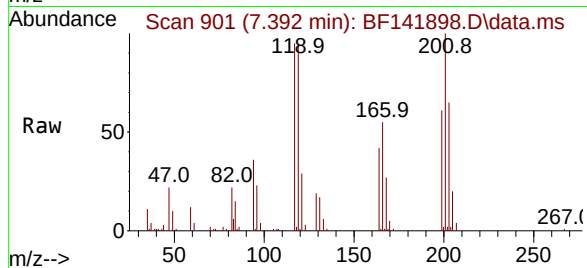




#18
Hexachloroethane
Concen: 5.000 ng
RT: 7.392 min Scan# 901
Delta R.T. -0.000 min
Lab File: BF141898.D
Acq: 10 Mar 2025 11:30

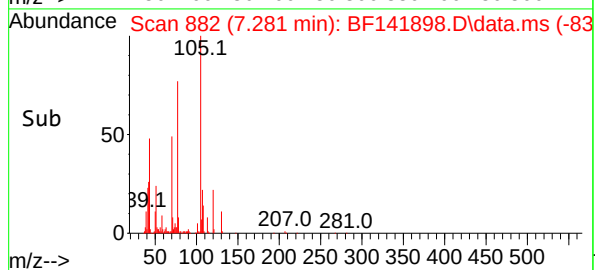
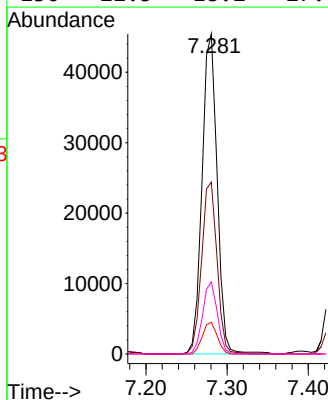
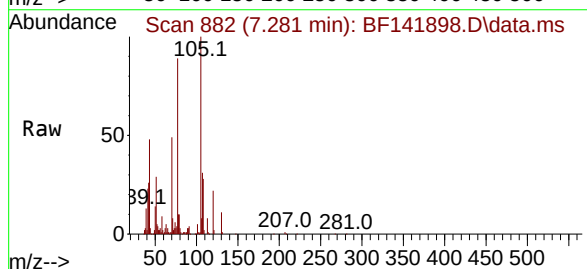
Instrument :
BNA_F
ClientSampleId :
SSTDICC005

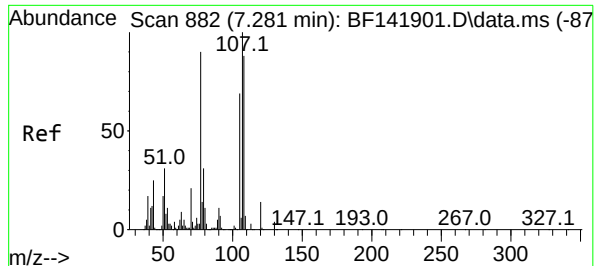
Tgt Ion:117 Resp: 31373
Ion Ratio Lower Upper
117 100
119 99.3 76.9 115.3
201 104.7 79.9 119.9



#19
n-Nitroso-di-n-propylamine
Concen: 5.218 ng
RT: 7.281 min Scan# 882
Delta R.T. -0.018 min
Lab File: BF141898.D
Acq: 10 Mar 2025 11:30

Tgt Ion: 70 Resp: 58981
Ion Ratio Lower Upper
70 100
42 53.7 41.4 62.0
101 9.9 8.2 12.2
130 22.5 18.2 27.4





#20

3+4-Methylphenols

Concen: 5.349 ng

RT: 7.269 min Scan# 81

Delta R.T. -0.012 min

Lab File: BF141898.D

Acq: 10 Mar 2025 11:30

Instrument :

BNA_F

ClientSampleId :

SSTDICC005

Tgt Ion:107 Resp: 83461

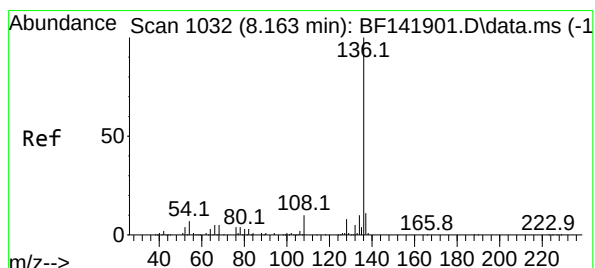
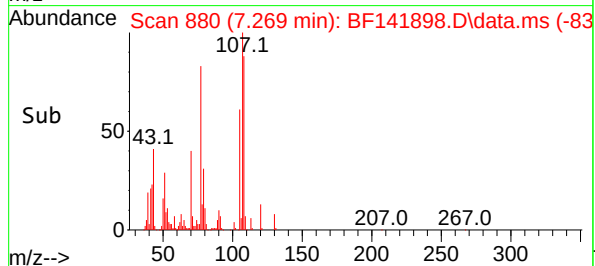
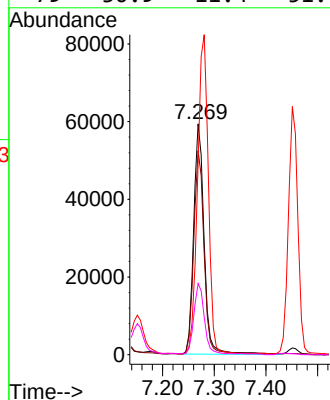
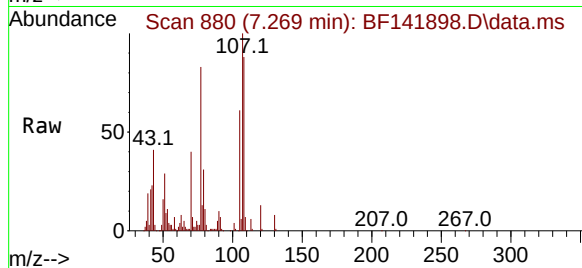
Ion Ratio Lower Upper

107 100

108 88.4 68.4 108.4

77 83.1 69.7 109.7

79 30.9 11.4 51.4



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.157 min Scan# 1031

Delta R.T. -0.006 min

Lab File: BF141898.D

Acq: 10 Mar 2025 11:30

Tgt Ion:136 Resp: 926118

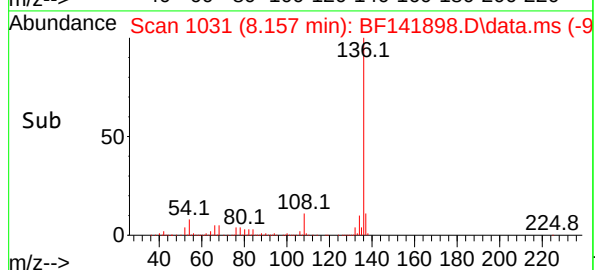
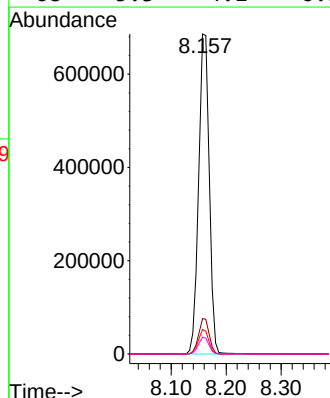
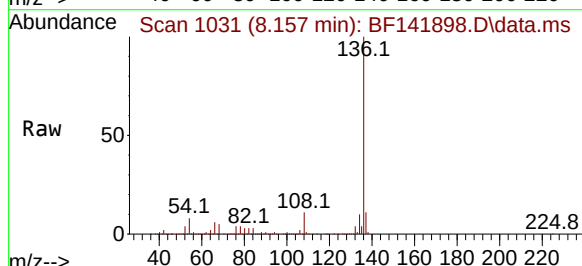
Ion Ratio Lower Upper

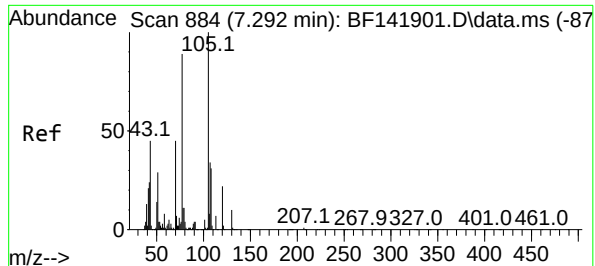
136 100

137 11.1 8.8 13.2

54 7.7 5.8 8.8

68 5.3 4.1 6.1

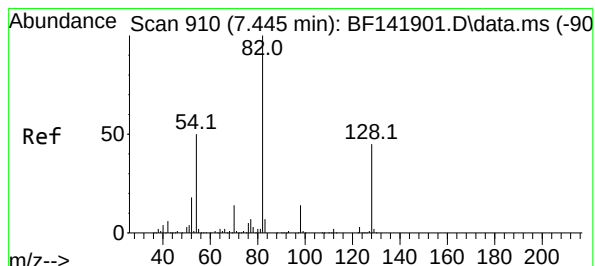
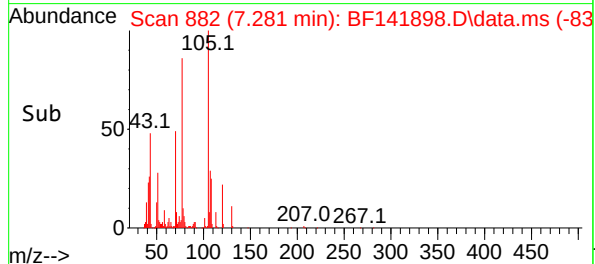
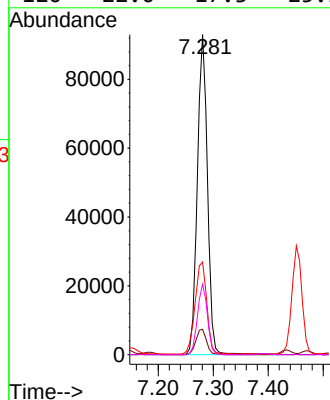
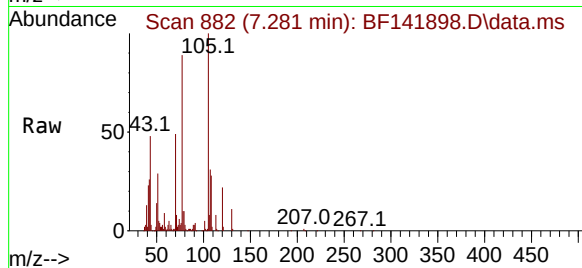




#22
Acetophenone
Concen: 5.358 ng
RT: 7.281 min Scan# 81
Delta R.T. -0.012 min
Lab File: BF141898.D
Acq: 10 Mar 2025 11:30

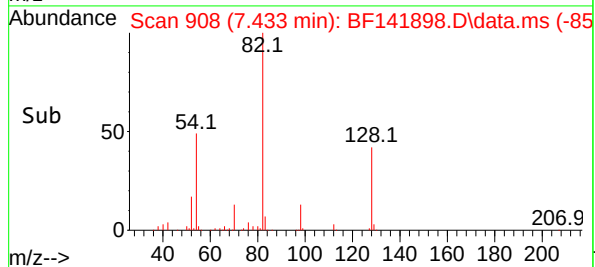
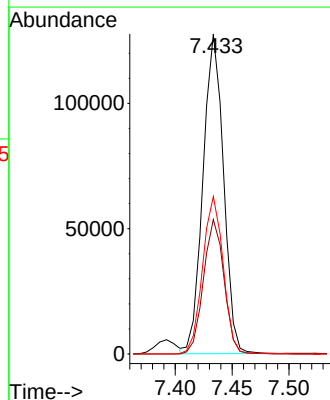
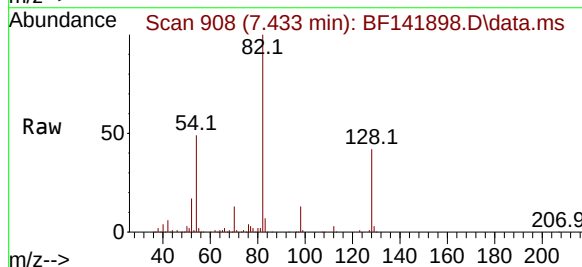
Instrument :
BNA_F
ClientSampleId :
SSTDICC005

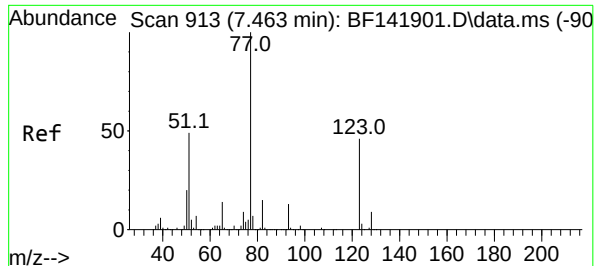
Tgt Ion:105 Resp: 119040
Ion Ratio Lower Upper
105 100
71 8.0 5.8 8.8
51 29.0 23.4 35.0
120 22.0 17.3 25.9



#23
Nitrobenzene-d5
Concen: 9.670 ng
RT: 7.433 min Scan# 908
Delta R.T. -0.012 min
Lab File: BF141898.D
Acq: 10 Mar 2025 11:30

Tgt Ion: 82 Resp: 159777
Ion Ratio Lower Upper
82 100
128 42.0 36.0 54.0
54 49.2 39.6 59.4





#24

Nitrobenzene

Concen: 4.904 ng

RT: 7.451 min Scan# 911

Delta R.T. -0.012 min

Lab File: BF141898.D

Acq: 10 Mar 2025 11:30

Instrument :

BNA_F

ClientSampleId :

SSTDICC005

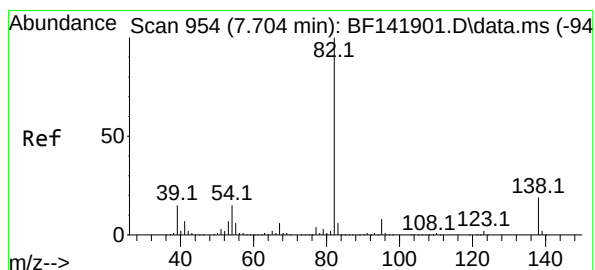
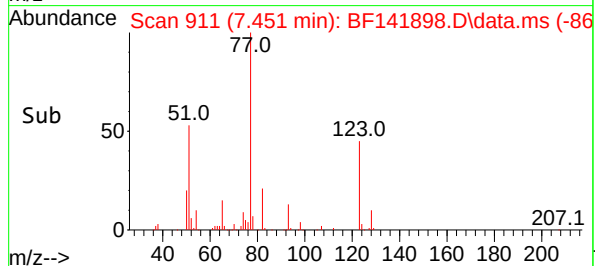
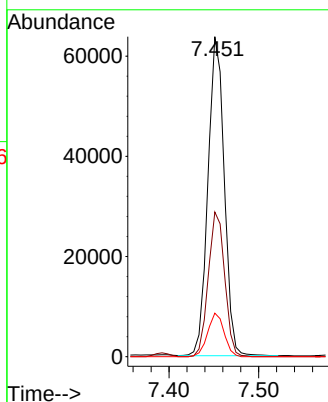
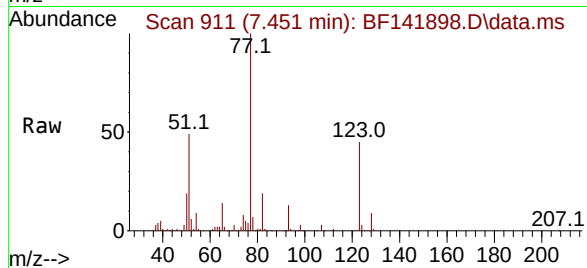
Tgt Ion: 77 Resp: 80338

Ion Ratio Lower Upper

77 100

123 45.2 37.0 55.4

65 13.6 11.3 16.9



#25

Isophorone

Concen: 5.135 ng

RT: 7.692 min Scan# 952

Delta R.T. -0.012 min

Lab File: BF141898.D

Acq: 10 Mar 2025 11:30

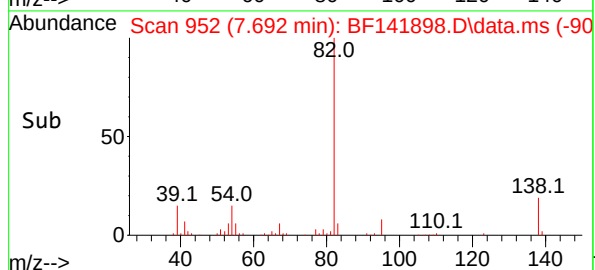
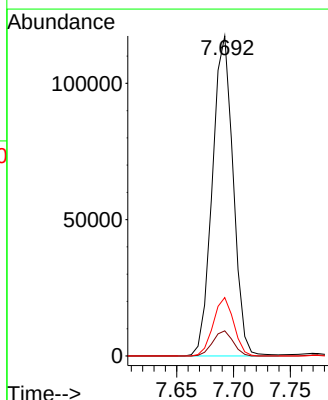
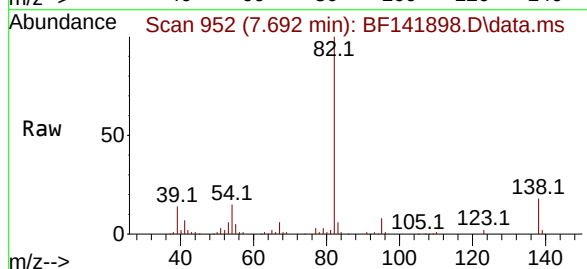
Tgt Ion: 82 Resp: 149807

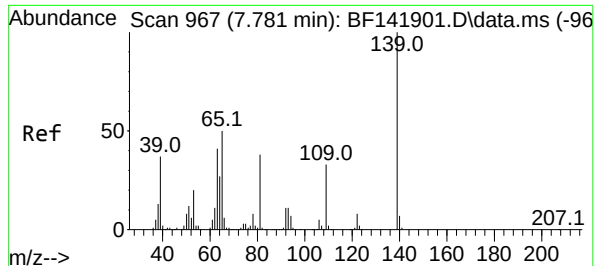
Ion Ratio Lower Upper

82 100

95 7.8 6.4 9.6

138 18.3 14.9 22.3





#26

2-Nitrophenol

Concen: 4.329 ng

RT: 7.775 min Scan# 90

Delta R.T. -0.006 min

Lab File: BF141898.D

Acq: 10 Mar 2025 11:30

Instrument :

BNA_F

ClientSampleId :

SSTDICC005

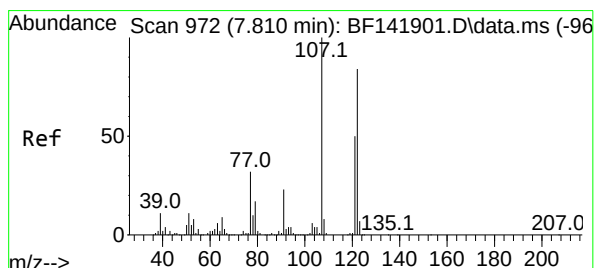
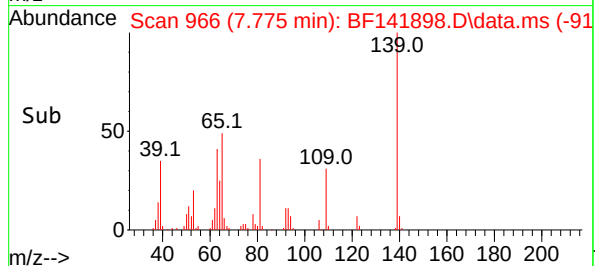
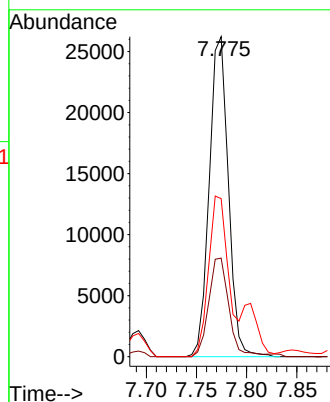
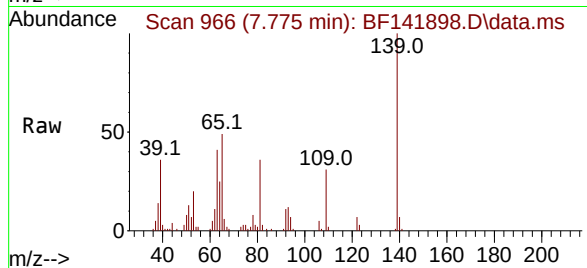
Tgt Ion:139 Resp: 34757

Ion Ratio Lower Upper

139 100

109 30.8 26.5 39.7

65 49.4 40.3 60.5



#27

2,4-Dimethylphenol

Concen: 5.164 ng

RT: 7.804 min Scan# 971

Delta R.T. -0.006 min

Lab File: BF141898.D

Acq: 10 Mar 2025 11:30

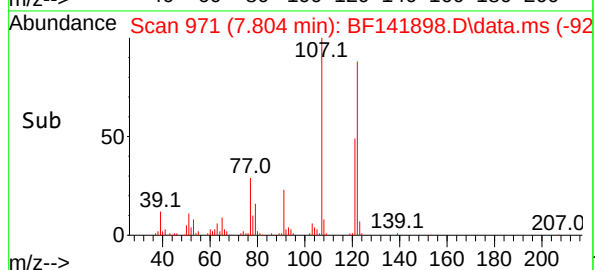
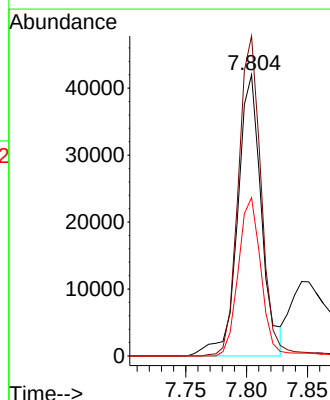
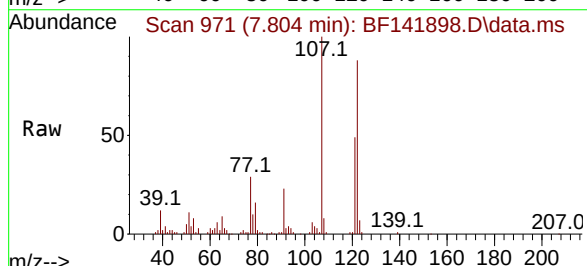
Tgt Ion:122 Resp: 57106

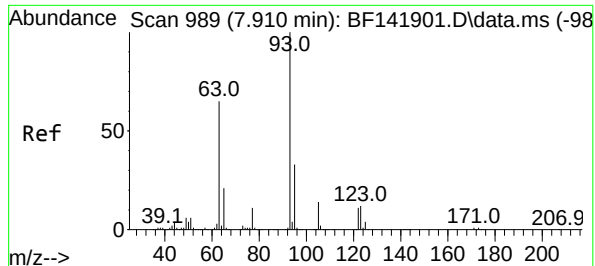
Ion Ratio Lower Upper

122 100

107 113.8 94.8 142.2

121 56.3 47.8 71.6





#28

bis(2-Chloroethoxy)methane

Concen: 5.210 ng

RT: 7.904 min Scan# 989

Delta R.T. -0.006 min

Lab File: BF141898.D

Acq: 10 Mar 2025 11:30

Instrument :

BNA_F

ClientSampleId :

SSTDICC005

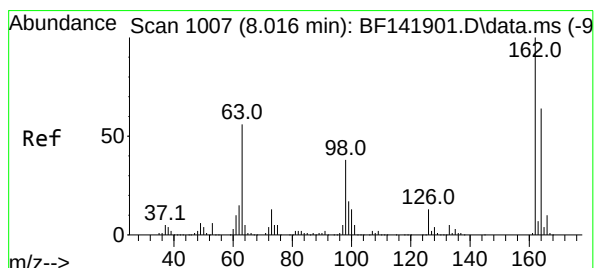
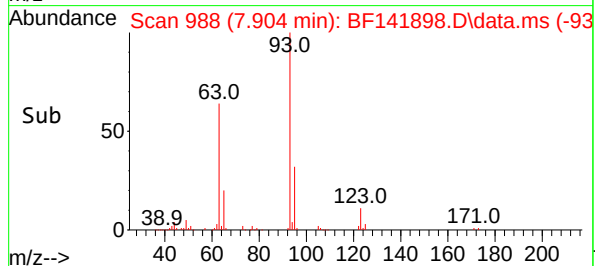
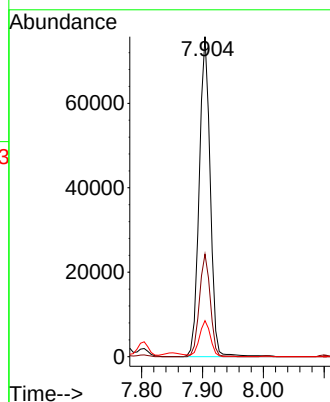
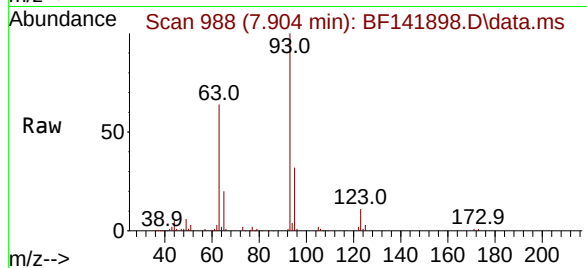
Tgt Ion: 93 Resp: 95214

Ion Ratio Lower Upper

93 100

95 32.1 26.6 40.0

123 11.3 10.2 15.4



#29

2,4-Dichlorophenol

Concen: 4.934 ng

RT: 8.010 min Scan# 1006

Delta R.T. -0.006 min

Lab File: BF141898.D

Acq: 10 Mar 2025 11:30

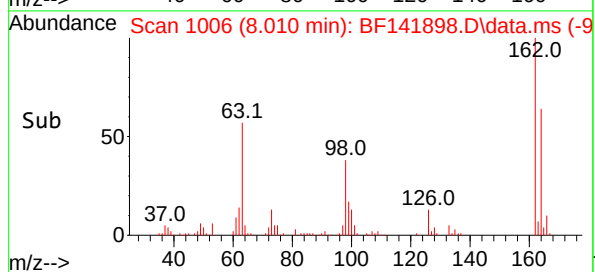
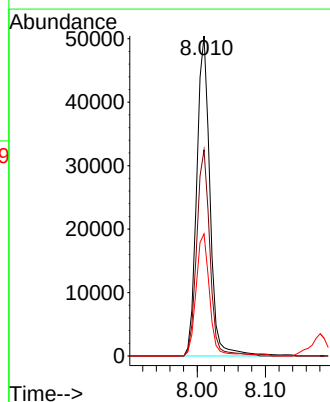
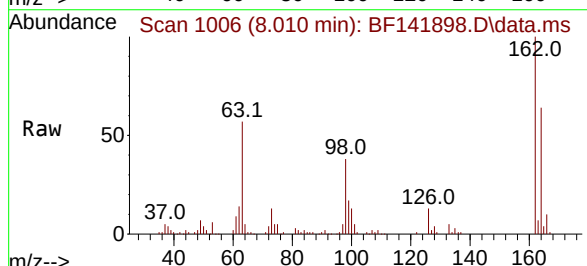
Tgt Ion: 162 Resp: 67710

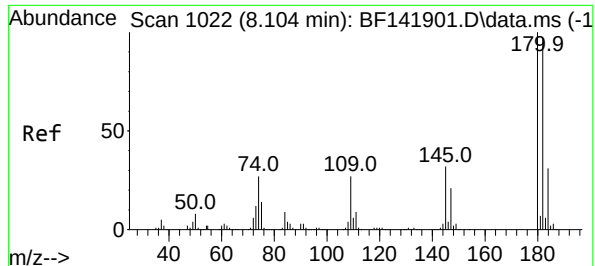
Ion Ratio Lower Upper

162 100

164 64.4 43.8 83.8

98 38.2 18.1 58.1





#30

1,2,4-Trichlorobenzene

Concen: 5.160 ng

RT: 8.098 min Scan# 1021

Delta R.T. -0.006 min

Lab File: BF141898.D

Acq: 10 Mar 2025 11:30

Instrument :

BNA_F

ClientSampleId :

SSTDICC005

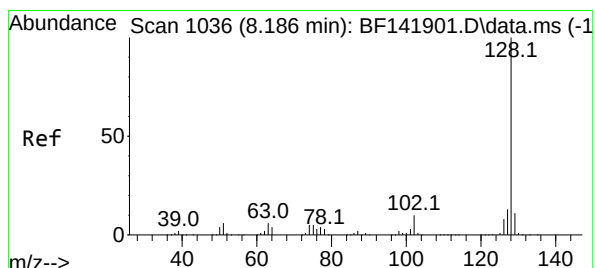
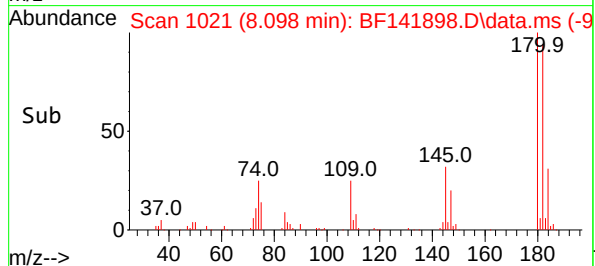
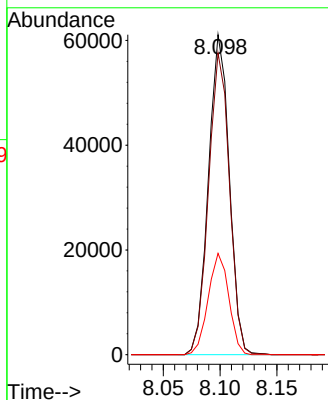
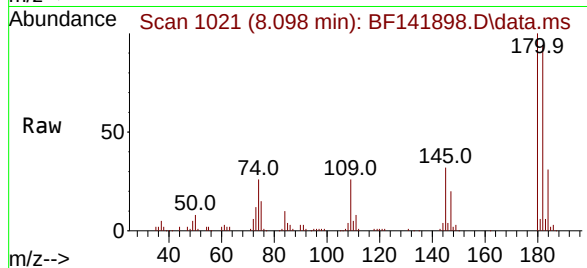
Tgt Ion:180 Resp: 78127

Ion Ratio Lower Upper

180 100

182 94.3 77.5 116.3

145 31.6 25.8 38.6



#31

Naphthalene

Concen: 5.388 ng

RT: 8.180 min Scan# 1035

Delta R.T. -0.006 min

Lab File: BF141898.D

Acq: 10 Mar 2025 11:30

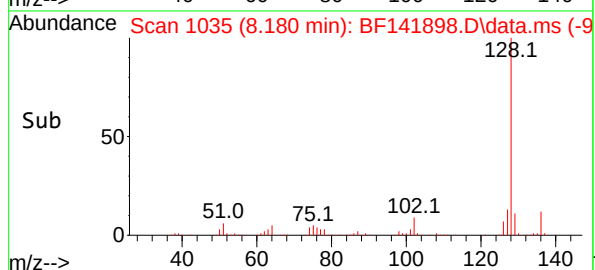
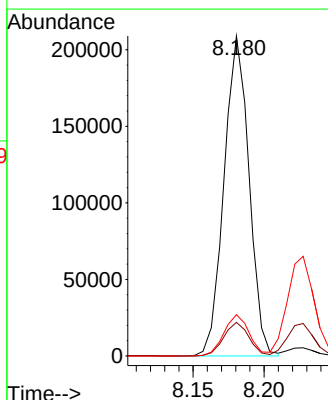
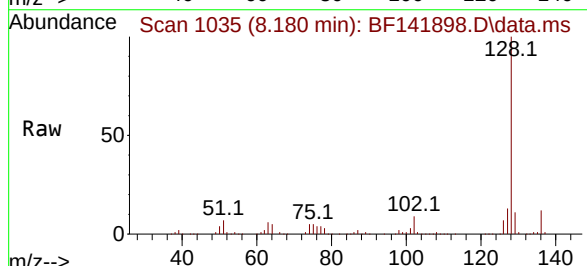
Tgt Ion:128 Resp: 255632

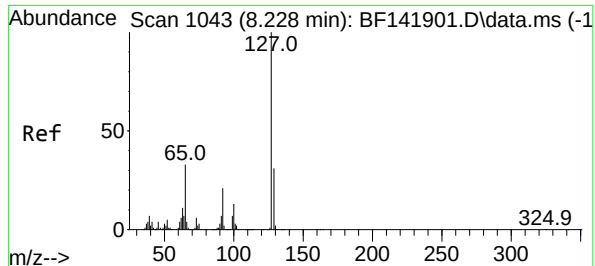
Ion Ratio Lower Upper

128 100

129 10.5 9.0 13.6

127 12.9 10.8 16.2

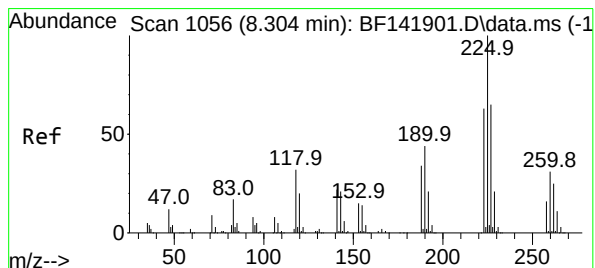
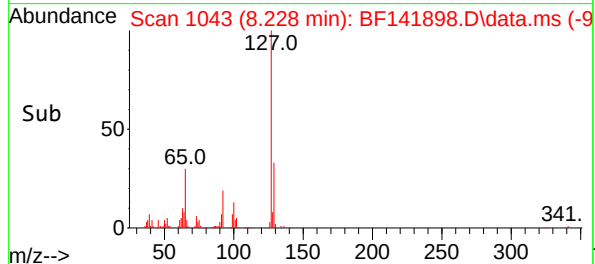
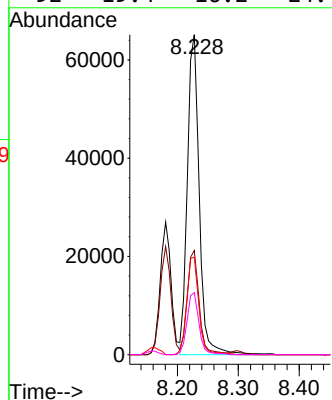
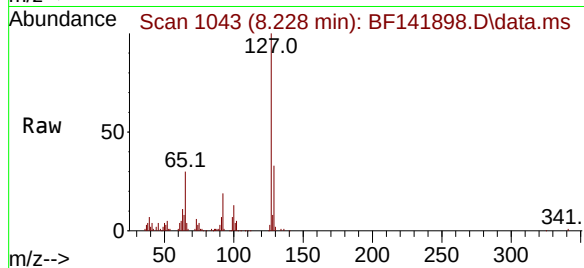




#33
4-Chloroaniline
Concen: 5.294 ng
RT: 8.228 min Scan# 1043
Delta R.T. -0.000 min
Lab File: BF141898.D
Acq: 10 Mar 2025 11:30

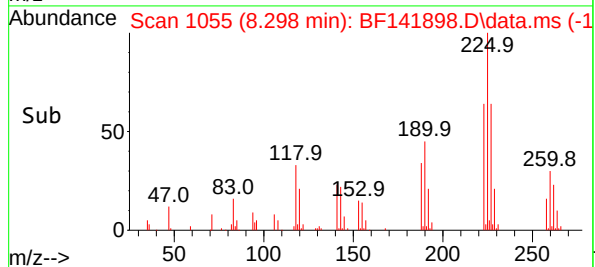
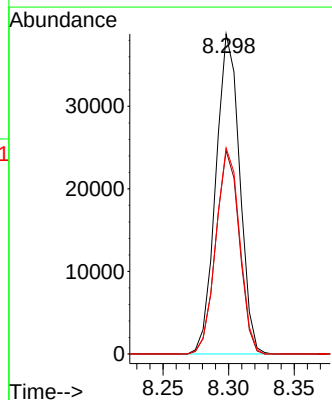
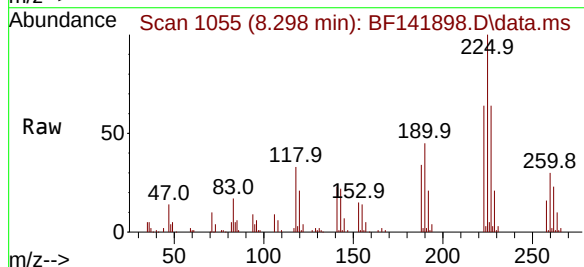
Instrument :
BNA_F
ClientSampleId :
SSTDICC005

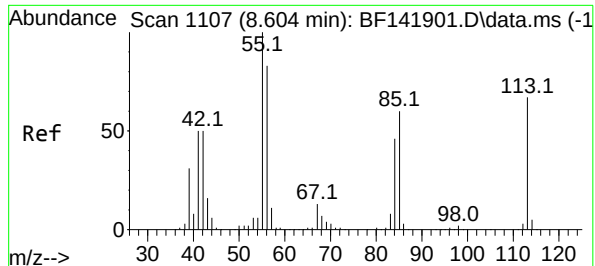
Tgt Ion:	127	Resp:	88635
Ion	Ratio	Lower	Upper
127	100		
129	32.6	26.2	39.4
65	30.5	25.4	38.2
92	19.4	16.2	24.4



#34
Hexachlorobutadiene
Concen: 4.966 ng
RT: 8.298 min Scan# 1055
Delta R.T. -0.006 min
Lab File: BF141898.D
Acq: 10 Mar 2025 11:30

Tgt Ion:	225	Resp:	48885
Ion	Ratio	Lower	Upper
225	100		
223	63.6	50.6	75.8
227	64.4	52.2	78.2

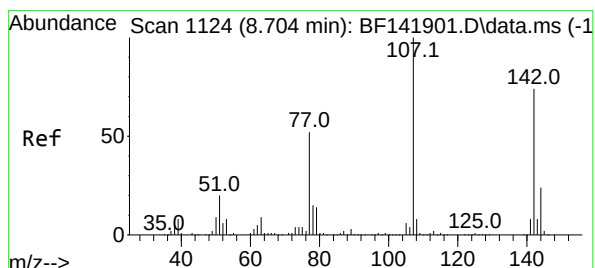
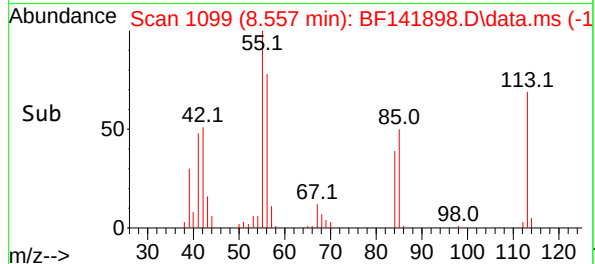
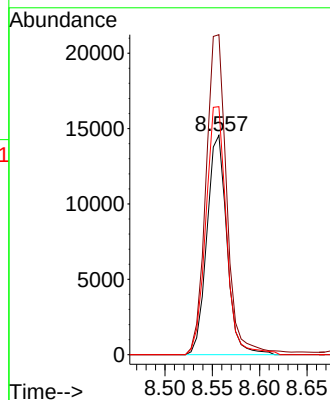
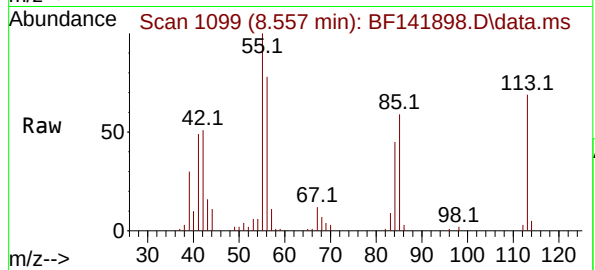




#35
Caprolactam
Concen: 5.118 ng
RT: 8.557 min Scan# 1107
Delta R.T. -0.047 min
Lab File: BF141898.D
Acq: 10 Mar 2025 11:30

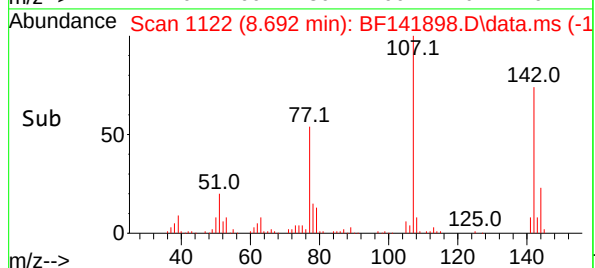
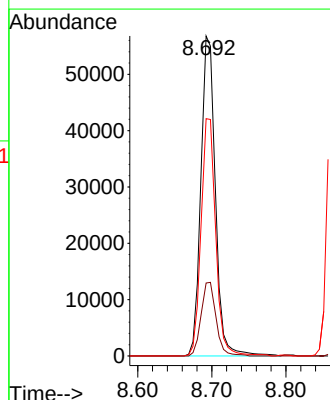
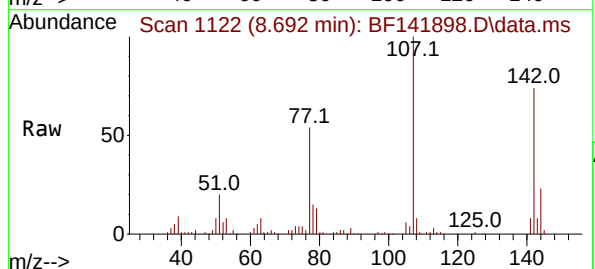
Instrument :
BNA_F
ClientSampleId :
SSTDICC005

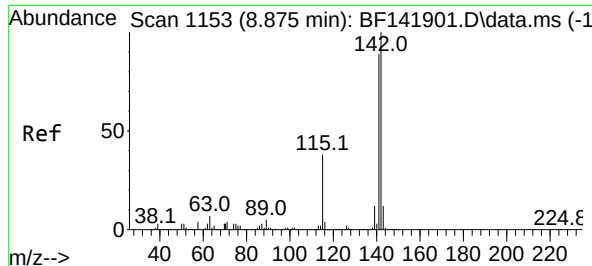
Tgt Ion:113 Resp: 21358
Ion Ratio Lower Upper
113 100
55 145.9 129.6 169.6
56 113.1 104.0 144.0



#36
4-Chloro-3-methylphenol
Concen: 5.070 ng
RT: 8.692 min Scan# 1122
Delta R.T. -0.012 min
Lab File: BF141898.D
Acq: 10 Mar 2025 11:30

Tgt Ion:107 Resp: 77370
Ion Ratio Lower Upper
107 100
144 22.8 19.0 28.6
142 74.2 59.2 88.8

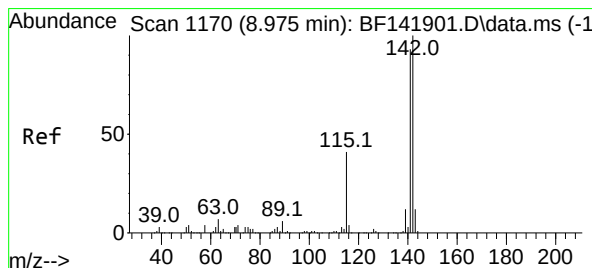
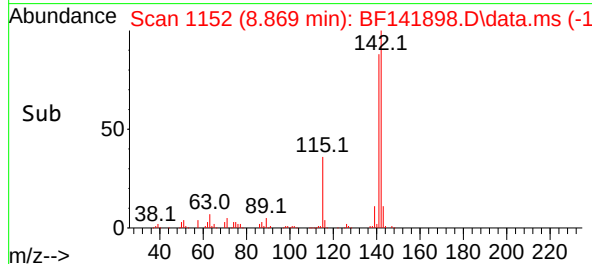
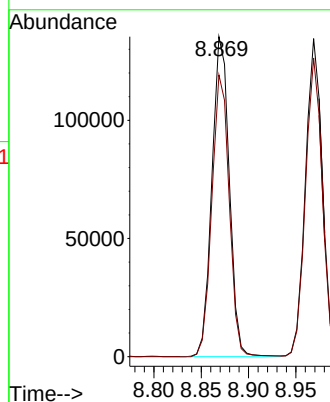
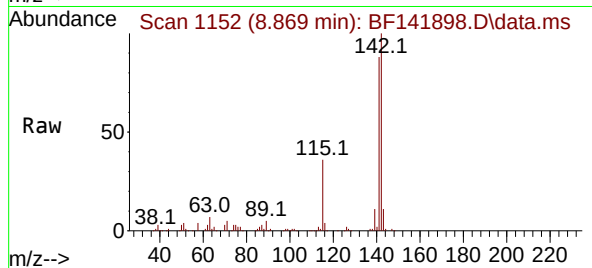




#37
2-Methylnaphthalene
Concen: 5.427 ng
RT: 8.869 min Scan# 1153
Delta R.T. -0.006 min
Lab File: BF141898.D
Acq: 10 Mar 2025 11:30

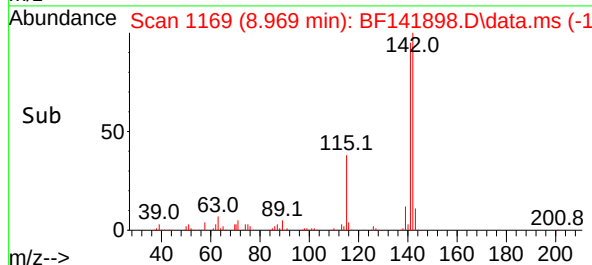
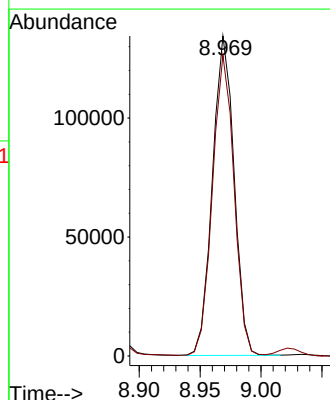
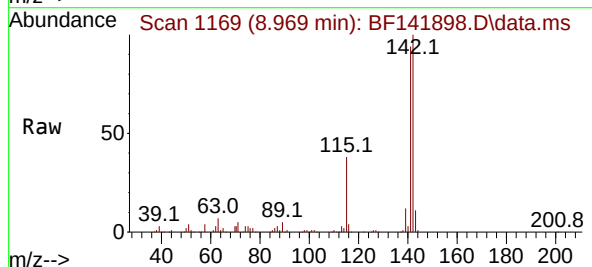
Instrument :
BNA_F
ClientSampleId :
SSTDICC005

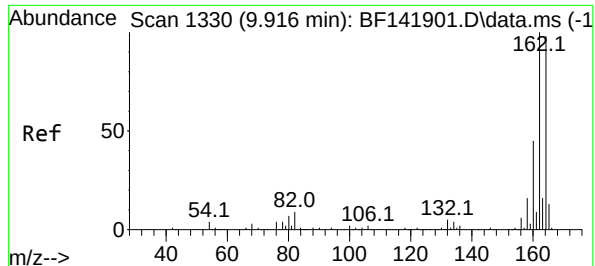
Tgt Ion:142 Resp: 172734
Ion Ratio Lower Upper
142 100
141 88.1 71.2 106.8



#38
1-Methylnaphthalene
Concen: 5.387 ng
RT: 8.969 min Scan# 1169
Delta R.T. -0.006 min
Lab File: BF141898.D
Acq: 10 Mar 2025 11:30

Tgt Ion:142 Resp: 166050
Ion Ratio Lower Upper
142 100
141 93.9 74.2 111.4





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.916 min Scan# 1180

Delta R.T. -0.000 min

Lab File: BF141898.D

Acq: 10 Mar 2025 11:30

Instrument :

BNA_F

ClientSampleId :

SSTDICC005

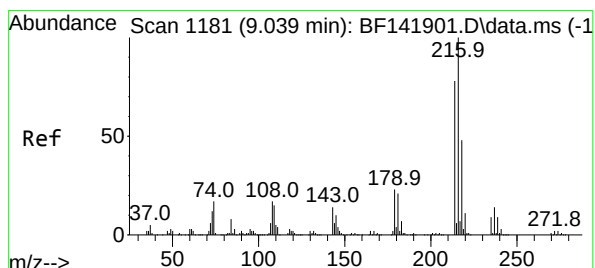
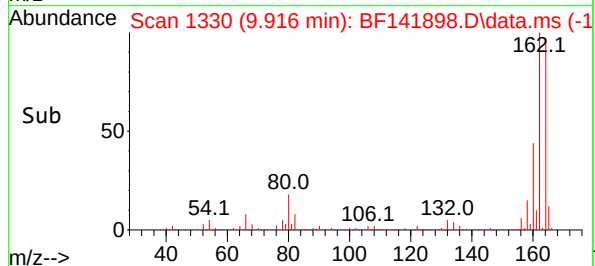
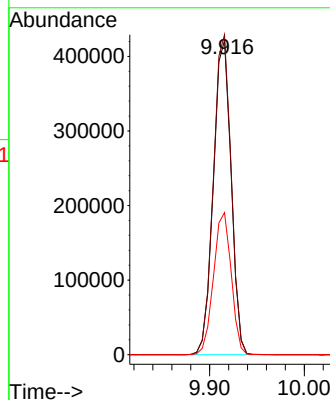
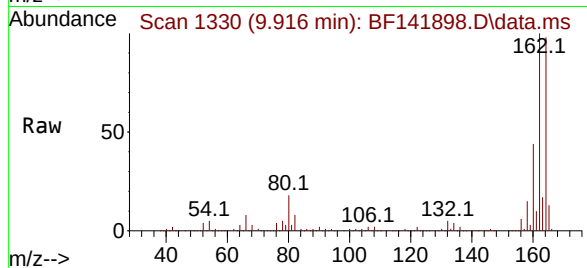
Tgt Ion:164 Resp: 546702

Ion Ratio Lower Upper

164 100

162 101.8 81.8 122.6

160 45.2 36.7 55.1



#40

1,2,4,5-Tetrachlorobenzene

Concen: 5.041 ng

RT: 9.033 min Scan# 1180

Delta R.T. -0.006 min

Lab File: BF141898.D

Acq: 10 Mar 2025 11:30

Tgt Ion:216 Resp: 84034

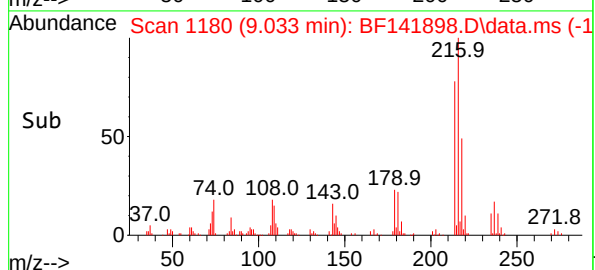
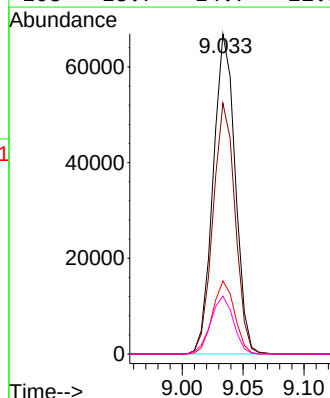
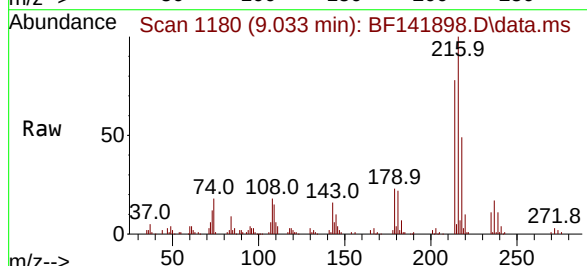
Ion Ratio Lower Upper

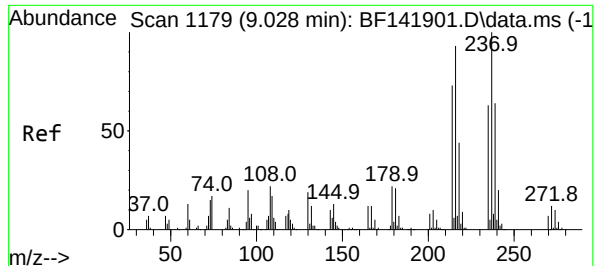
216 100

214 78.6 61.9 92.9

179 22.8 18.1 27.1

108 18.7 14.7 22.1





#41

Hexachlorocyclopentadiene

Concen: 4.246 ng

RT: 9.022 min Scan# 1179

Delta R.T. -0.006 min

Lab File: BF141898.D

Acq: 10 Mar 2025 11:30

Instrument :

BNA_F

ClientSampleId :

SSTDICC005

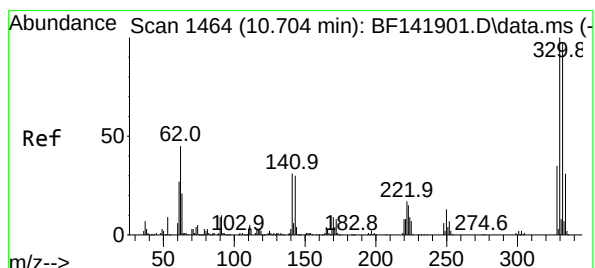
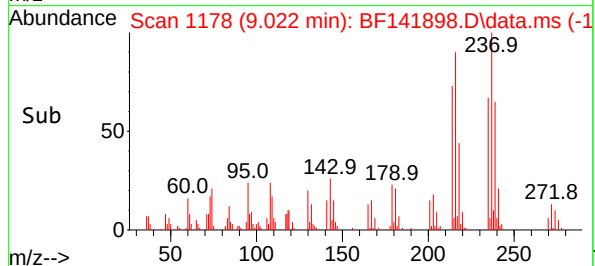
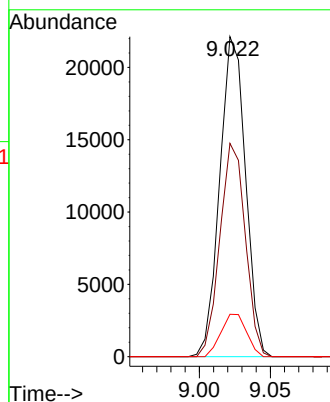
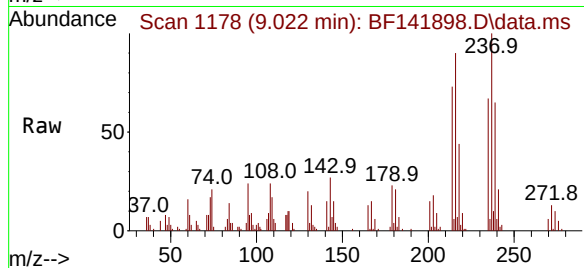
Tgt Ion:237 Resp: 27931

Ion Ratio Lower Upper

237 100

235 66.6 43.1 83.1

272 13.2 0.0 32.0



#42

2,4,6-Tribromophenol

Concen: 9.238 ng

RT: 10.698 min Scan# 1463

Delta R.T. -0.006 min

Lab File: BF141898.D

Acq: 10 Mar 2025 11:30

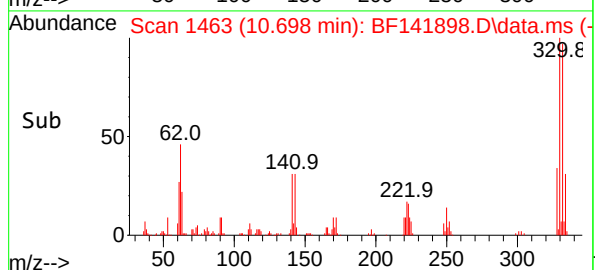
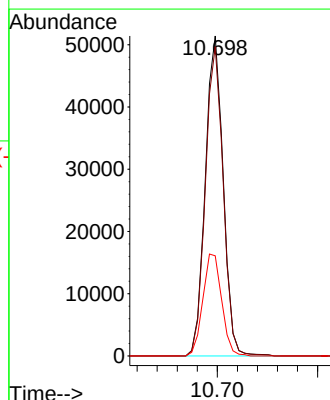
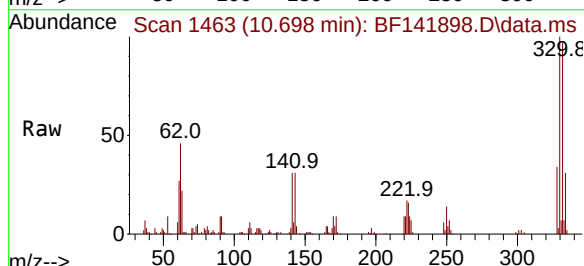
Tgt Ion:330 Resp: 63996

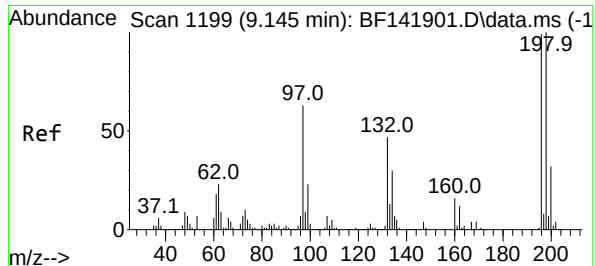
Ion Ratio Lower Upper

330 100

332 96.3 77.6 116.4

141 33.4 24.7 37.1





#43

2,4,6-Trichlorophenol

Concen: 4.877 ng

RT: 9.145 min Scan# 1199

Delta R.T. -0.000 min

Lab File: BF141898.D

Acq: 10 Mar 2025 11:30

Instrument :

BNA_F

ClientSampleId :

SSTDICC005

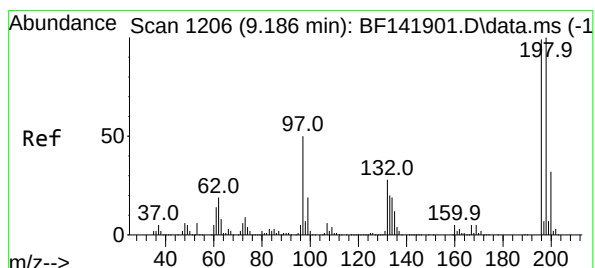
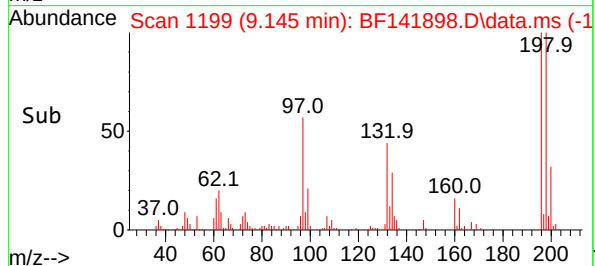
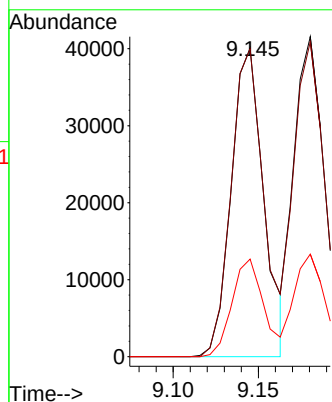
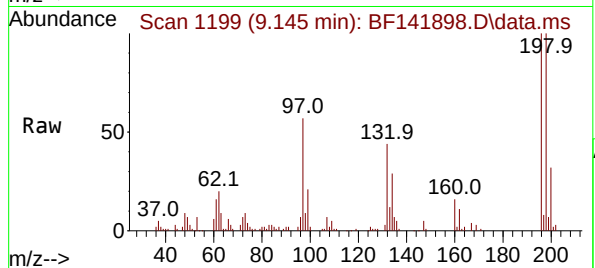
Tgt Ion:196 Resp: 52998

Ion Ratio Lower Upper

196 100

198 99.7 80.6 121.0

200 31.6 25.8 38.6



#44

2,4,5-Trichlorophenol

Concen: 4.901 ng

RT: 9.180 min Scan# 1205

Delta R.T. -0.006 min

Lab File: BF141898.D

Acq: 10 Mar 2025 11:30

Tgt Ion:196 Resp: 54111

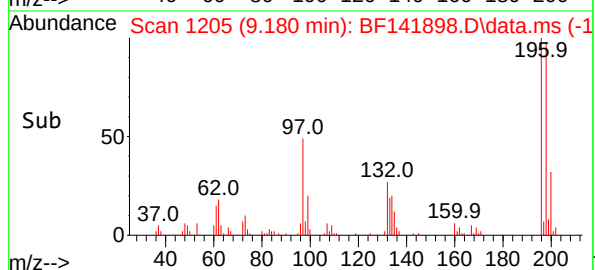
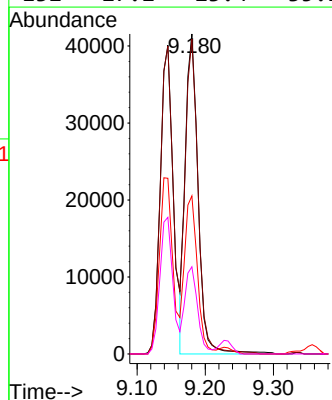
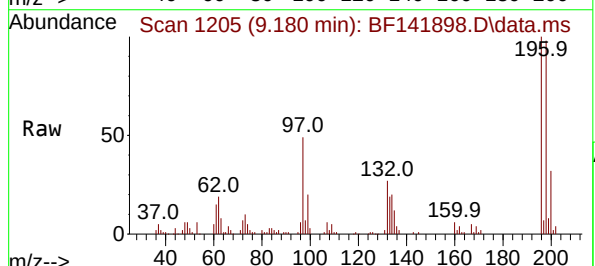
Ion Ratio Lower Upper

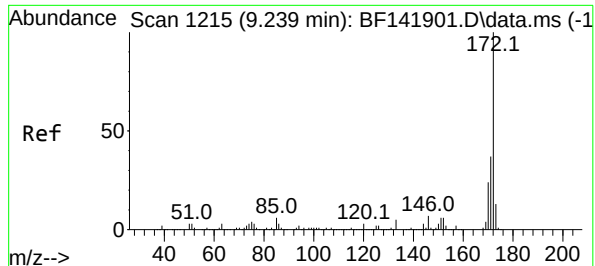
196 100

198 98.4 80.7 121.1

97 49.4 42.1 63.1

132 27.2 23.4 35.2





#45

2-Fluorobiphenyl

Concen: 10.888 ng

RT: 9.233 min Scan# 1214

Delta R.T. -0.006 min

Lab File: BF141898.D

Acq: 10 Mar 2025 11:30

Instrument :

BNA_F

ClientSampleId :

SSTDICC005

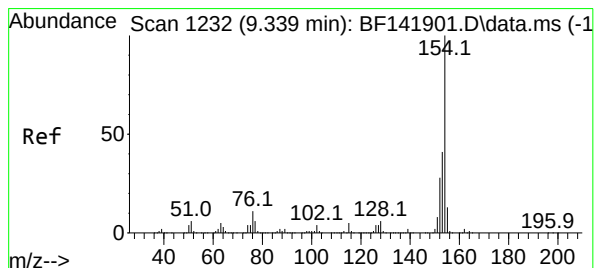
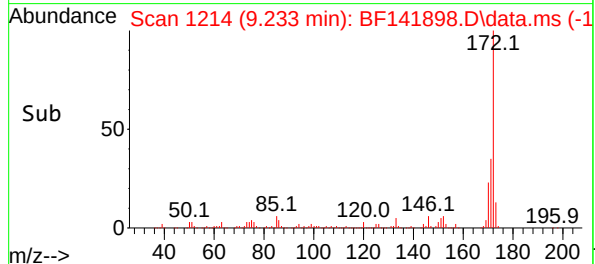
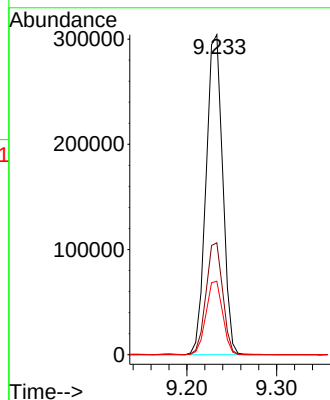
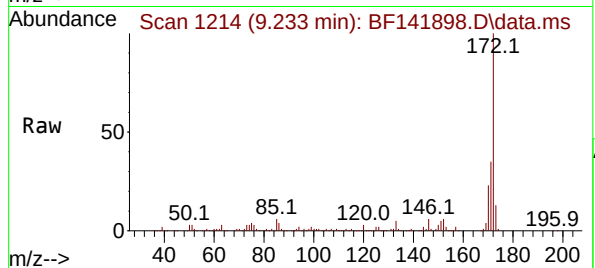
Tgt Ion:172 Resp: 390913

Ion Ratio Lower Upper

172 100

171 34.9 29.3 43.9

170 23.0 19.4 29.0



#46

1,1'-Biphenyl

Concen: 5.395 ng

RT: 9.333 min Scan# 1231

Delta R.T. -0.006 min

Lab File: BF141898.D

Acq: 10 Mar 2025 11:30

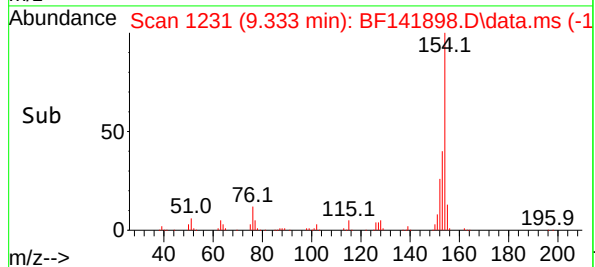
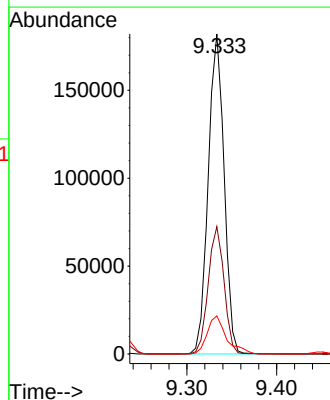
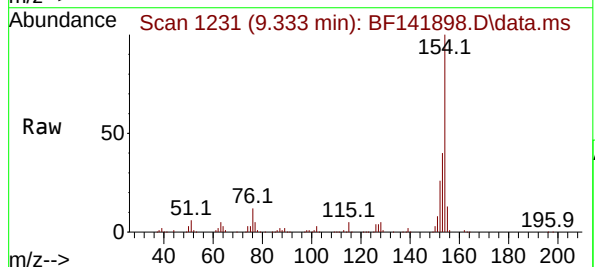
Tgt Ion:154 Resp: 223637

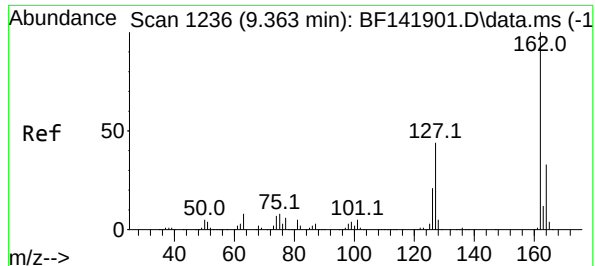
Ion Ratio Lower Upper

154 100

153 39.8 21.1 61.1

76 11.9 0.0 31.3





#47

2-Chloronaphthalene

Concen: 5.298 ng

RT: 9.357 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF141898.D

Acq: 10 Mar 2025 11:30

Instrument :

BNA_F

ClientSampleId :

SSTDICC005

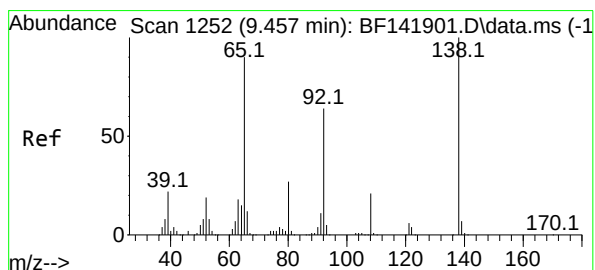
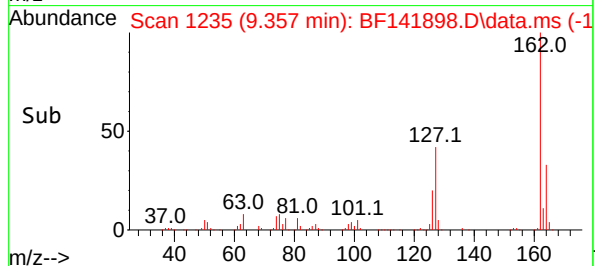
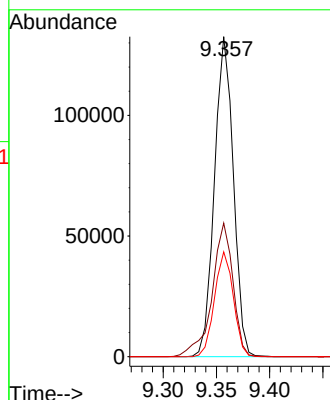
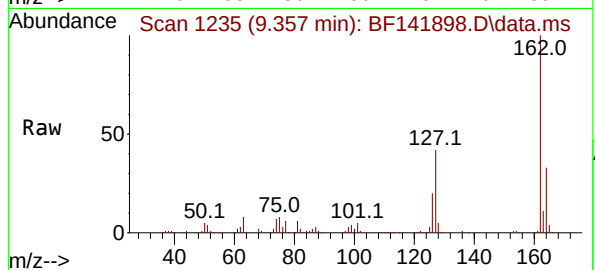
Tgt Ion:162 Resp: 163642

Ion Ratio Lower Upper

162 100

127 41.7 35.5 53.3

164 32.8 26.6 40.0



#48

2-Nitroaniline

Concen: 4.561 ng

RT: 9.451 min Scan# 1251

Delta R.T. -0.006 min

Lab File: BF141898.D

Acq: 10 Mar 2025 11:30

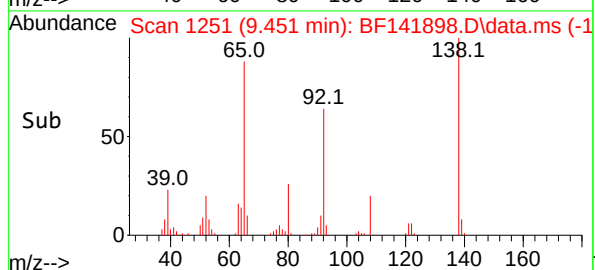
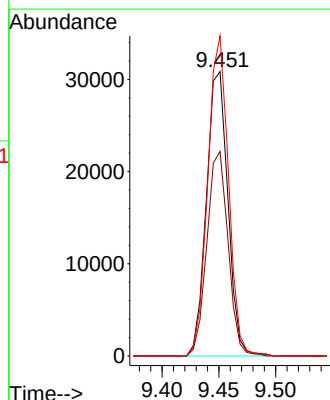
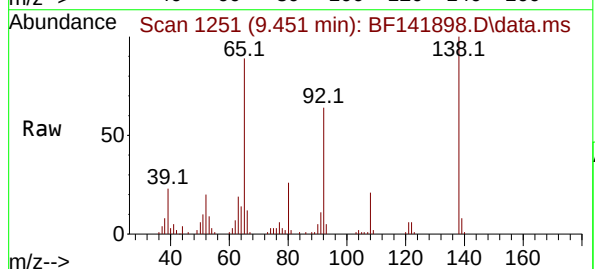
Tgt Ion: 65 Resp: 40475

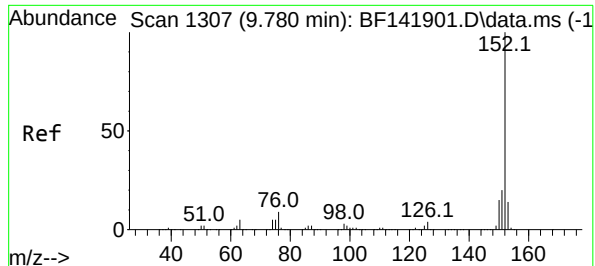
Ion Ratio Lower Upper

65 100

92 71.9 56.6 84.8

138 112.5 88.6 133.0





#49

Acenaphthylene

Concen: 5.268 ng

RT: 9.774 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF141898.D

Acq: 10 Mar 2025 11:30

Instrument :

BNA_F

ClientSampleId :

SSTDICC005

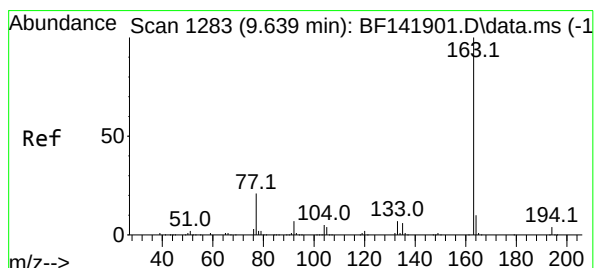
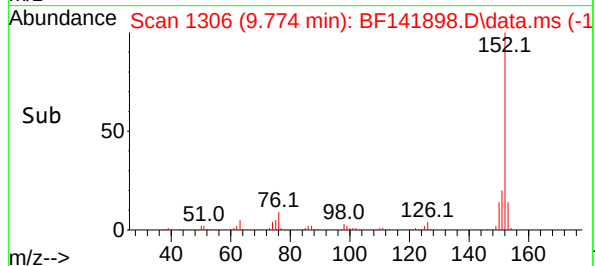
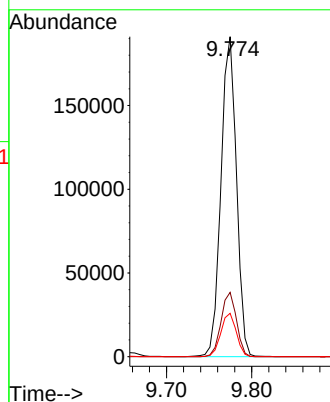
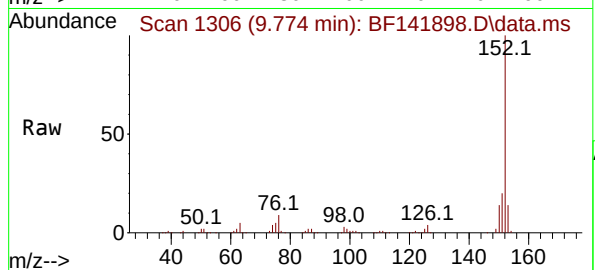
Tgt Ion:152 Resp: 241253

Ion Ratio Lower Upper

152 100

151 20.1 16.3 24.5

153 13.6 11.1 16.7



#50

Dimethylphthalate

Concen: 5.328 ng

RT: 9.627 min Scan# 1281

Delta R.T. -0.012 min

Lab File: BF141898.D

Acq: 10 Mar 2025 11:30

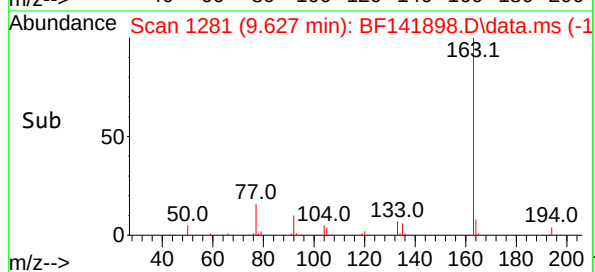
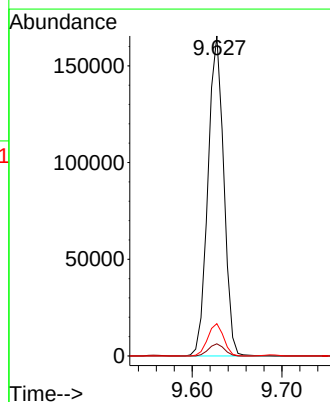
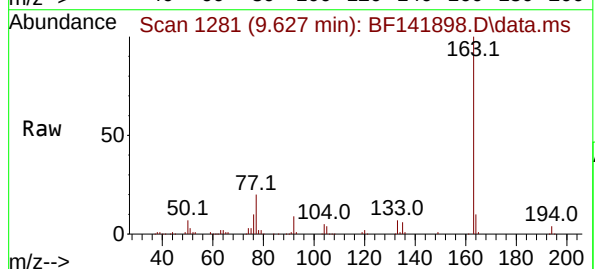
Tgt Ion:163 Resp: 202373

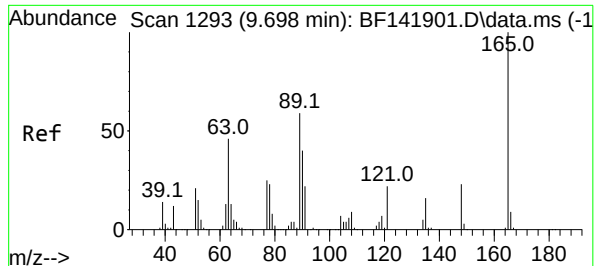
Ion Ratio Lower Upper

163 100

194 3.8 3.1 4.7

164 10.1 8.2 12.4





#51

2,6-Dinitrotoluene

Concen: 4.785 ng

RT: 9.686 min Scan# 1293

Delta R.T. -0.012 min

Lab File: BF141898.D

Acq: 10 Mar 2025 11:30

Instrument :

BNA_F

ClientSampleId :

SSTDICC005

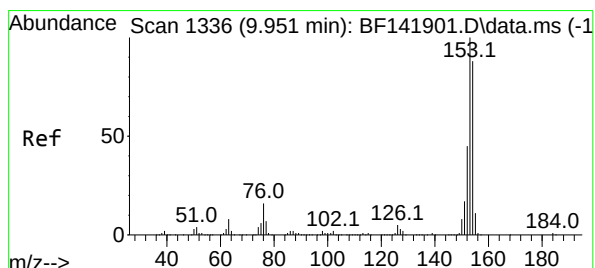
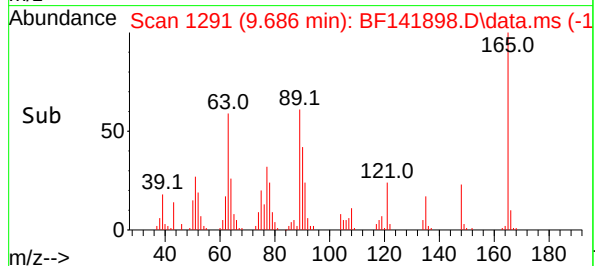
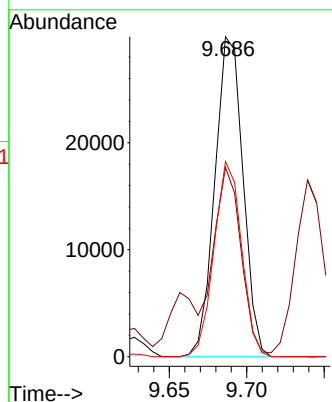
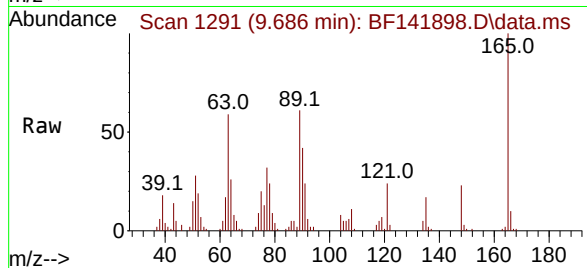
Tgt Ion:165 Resp: 37796

Ion Ratio Lower Upper

165 100

63 59.1 47.0 70.4

89 61.0 47.4 71.2



#52

Acenaphthene

Concen: 5.225 ng

RT: 9.945 min Scan# 1335

Delta R.T. -0.006 min

Lab File: BF141898.D

Acq: 10 Mar 2025 11:30

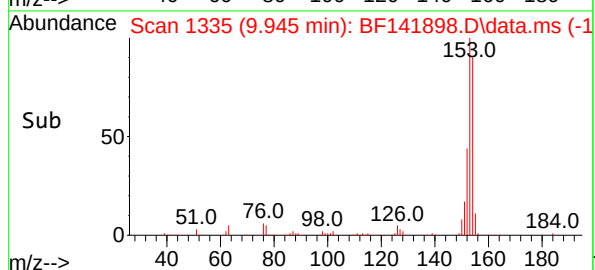
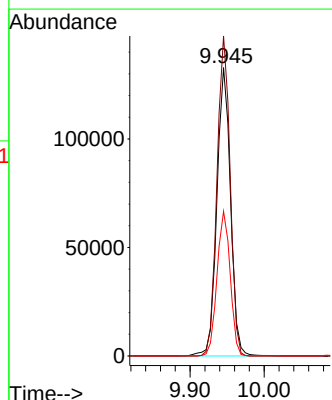
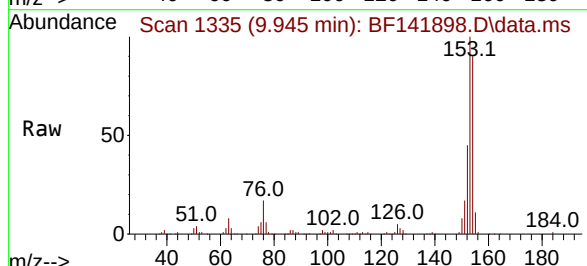
Tgt Ion:154 Resp: 168975

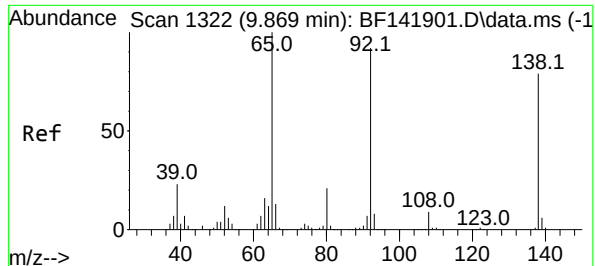
Ion Ratio Lower Upper

154 100

153 111.0 90.7 136.1

152 50.2 41.1 61.7

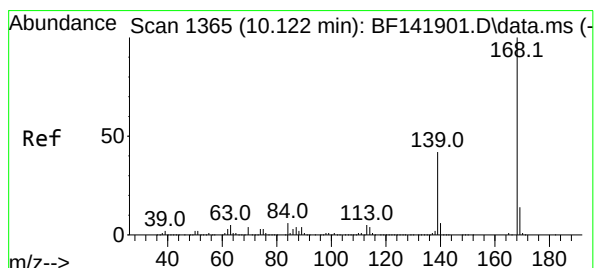
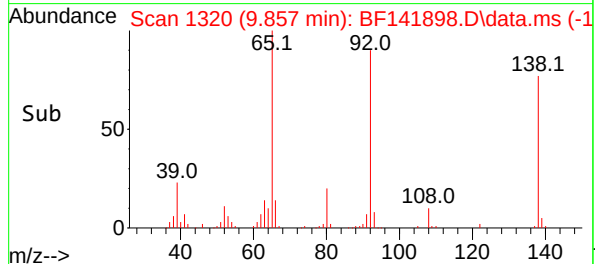
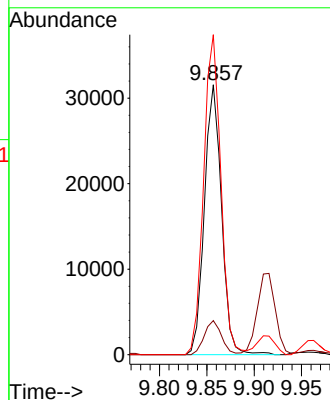
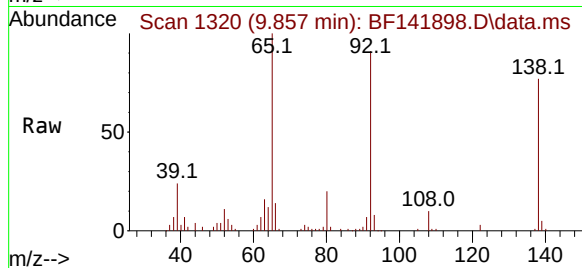




#53
3-Nitroaniline
Concen: 4.902 ng
RT: 9.857 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF141898.D
Acq: 10 Mar 2025 11:30

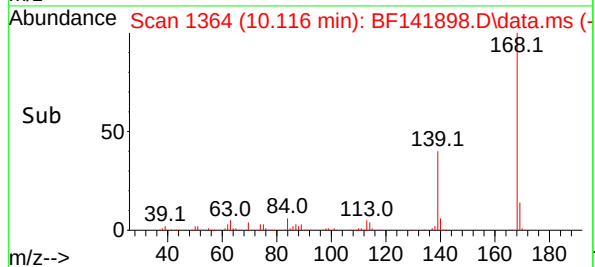
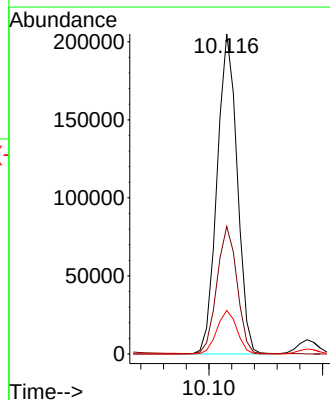
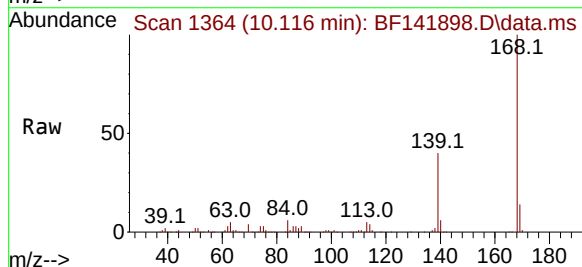
Instrument :
BNA_F
ClientSampleId :
SSTDICC005

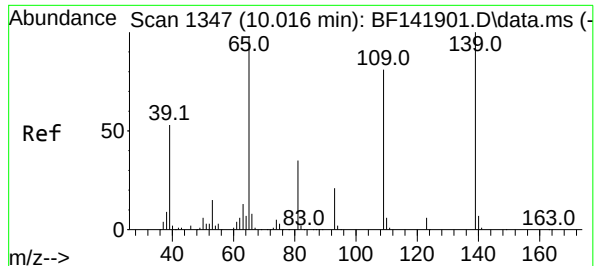
Tgt Ion	Ratio	Lower	Upper
138	100		
108	12.6	9.3	13.9
92	118.6	93.5	140.3



#55
Dibenzofuran
Concen: 5.481 ng
RT: 10.116 min Scan# 1364
Delta R.T. -0.006 min
Lab File: BF141898.D
Acq: 10 Mar 2025 11:30

Tgt Ion	Ratio	Lower	Upper
168	100		
139	39.8	33.9	50.9
169	13.6	11.0	16.4

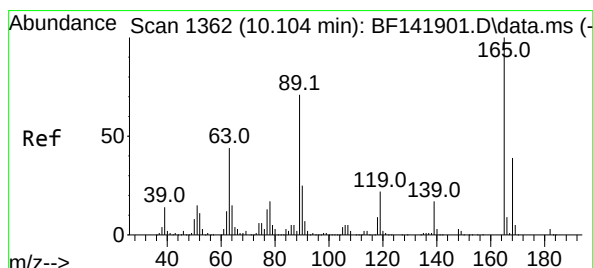
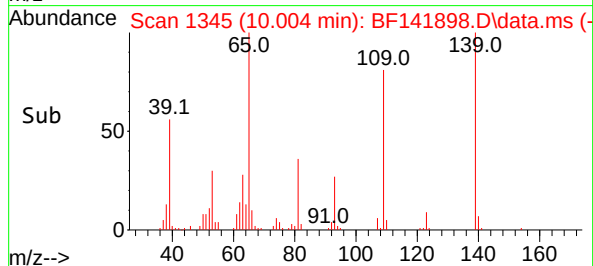
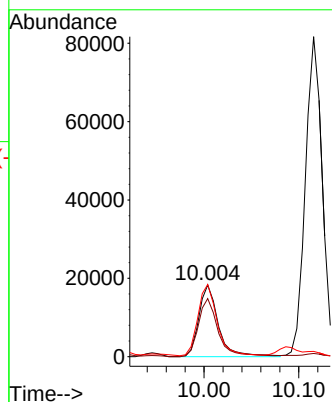
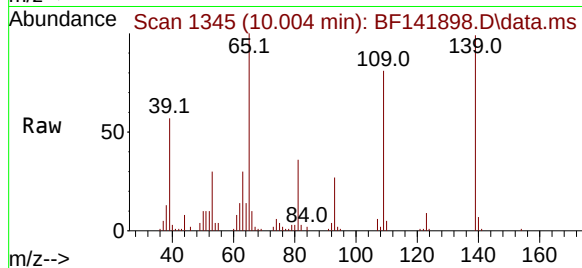




#56
4-Nitrophenol
Concen: 4.309 ng
RT: 10.004 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF141898.D
Acq: 10 Mar 2025 11:30

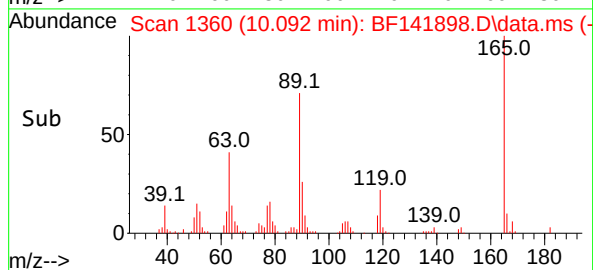
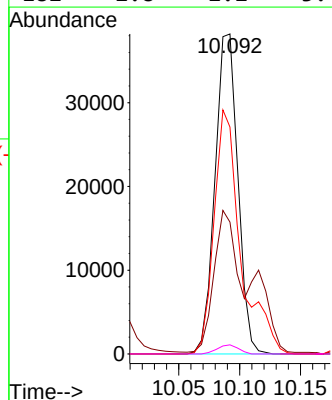
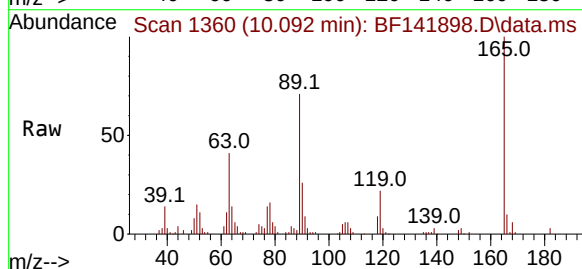
Instrument :
BNA_F
ClientSampleId :
SSTDICC005

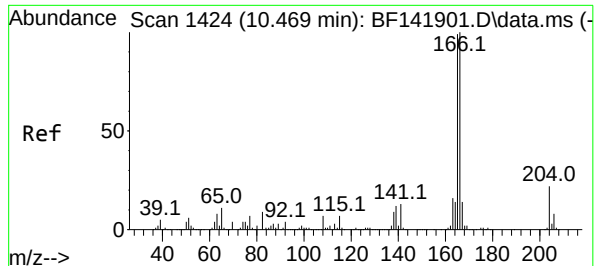
Tgt Ion	Ratio	Lower	Upper
139	100		
109	81.1	61.6	101.6
65	100.7	79.4	119.4



#57
2,4-Dinitrotoluene
Concen: 4.800 ng
RT: 10.092 min Scan# 1360
Delta R.T. -0.012 min
Lab File: BF141898.D
Acq: 10 Mar 2025 11:30

Tgt Ion	Ratio	Lower	Upper
165	100		
63	41.2	35.4	53.2
89	70.9	56.6	84.8
182	2.8	2.2	3.4

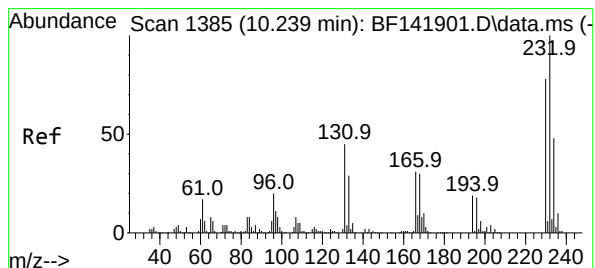
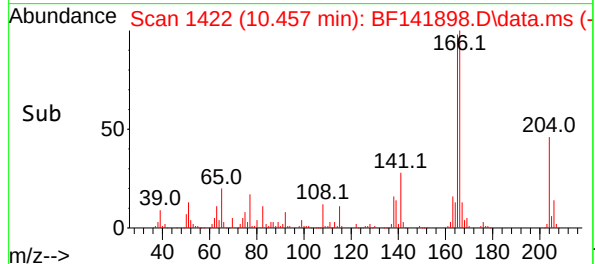
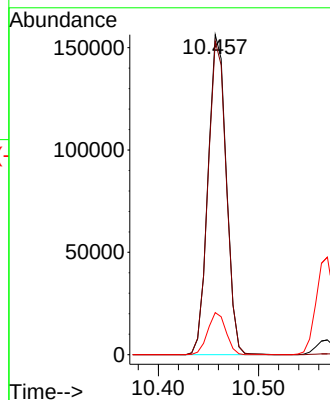
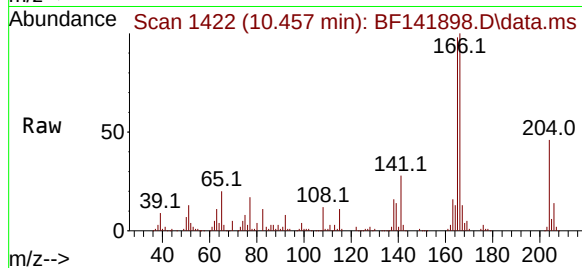




#58
Fluorene
Concen: 5.542 ng
RT: 10.457 min Scan# 141
Delta R.T. -0.012 min
Lab File: BF141898.D
Acq: 10 Mar 2025 11:30

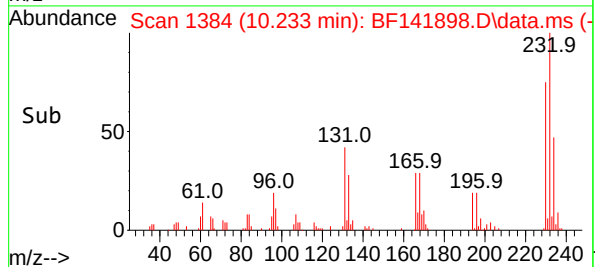
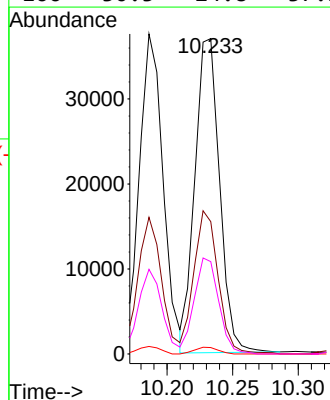
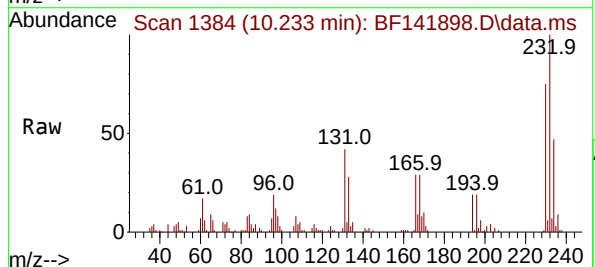
Instrument :
BNA_F
ClientSampleId :
SSTDICC005

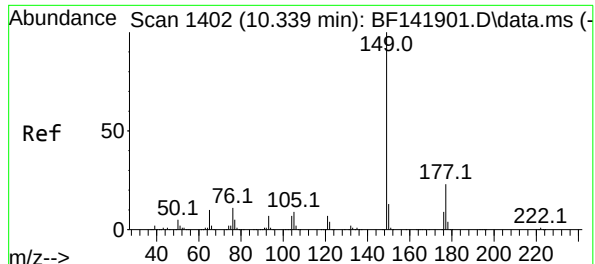
Tgt Ion:166 Resp: 197266
Ion Ratio Lower Upper
166 100
165 98.0 79.0 118.4
167 13.2 11.0 16.4



#59
2,3,4,6-Tetrachlorophenol
Concen: 4.839 ng
RT: 10.233 min Scan# 1384
Delta R.T. -0.006 min
Lab File: BF141898.D
Acq: 10 Mar 2025 11:30

Tgt Ion:232 Resp: 48472
Ion Ratio Lower Upper
232 100
131 44.9 37.3 55.9
130 2.1 1.9 2.9
166 30.3 24.8 37.2

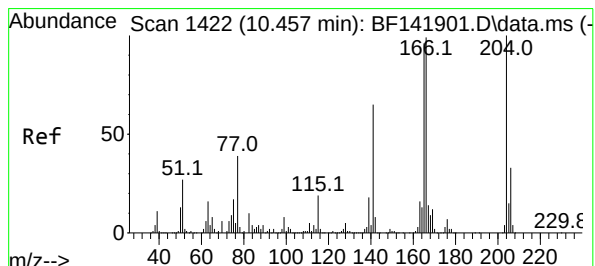
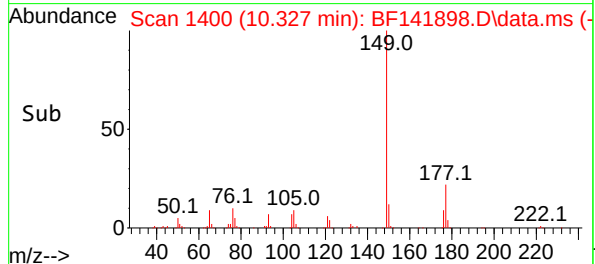
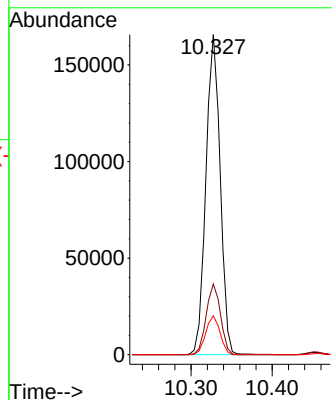
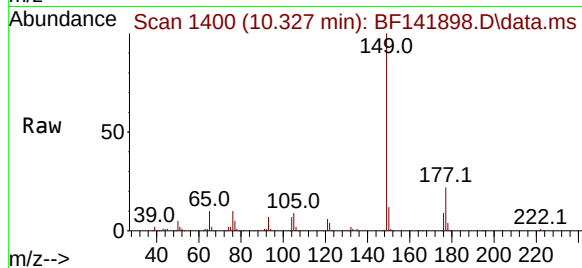




#60
Diethylphthalate
Concen: 5.286 ng
RT: 10.327 min Scan# 1400
Delta R.T. -0.012 min
Lab File: BF141898.D
Acq: 10 Mar 2025 11:30

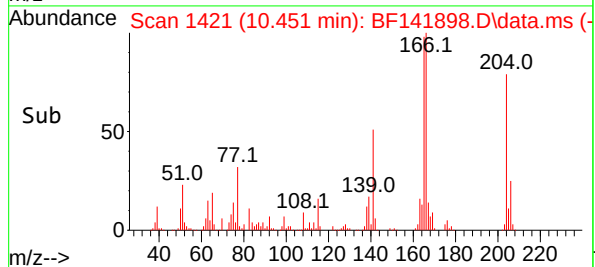
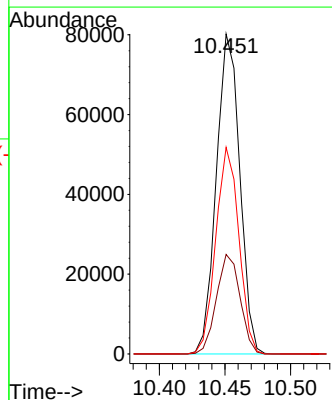
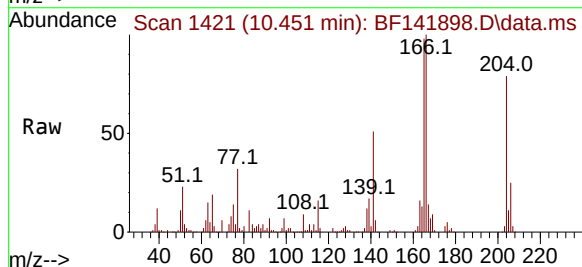
Instrument :
BNA_F
ClientSampleId :
SSTDICC005

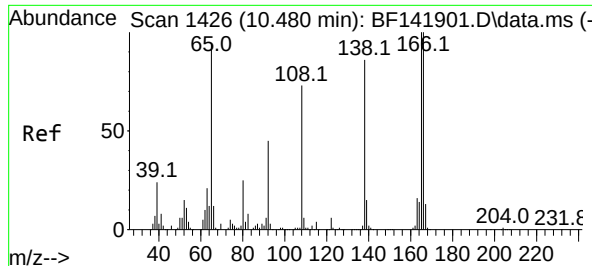
Tgt Ion:149 Resp: 201554
Ion Ratio Lower Upper
149 100
177 22.1 18.0 27.0
150 12.1 10.2 15.4



#61
4-Chlorophenyl-phenylether
Concen: 5.380 ng
RT: 10.451 min Scan# 1421
Delta R.T. -0.006 min
Lab File: BF141898.D
Acq: 10 Mar 2025 11:30

Tgt Ion:204 Resp: 99747
Ion Ratio Lower Upper
204 100
206 31.1 26.8 40.2
141 64.5 52.4 78.6

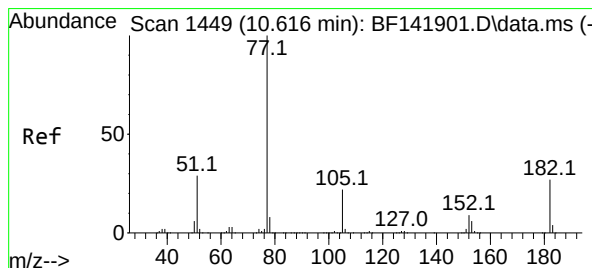
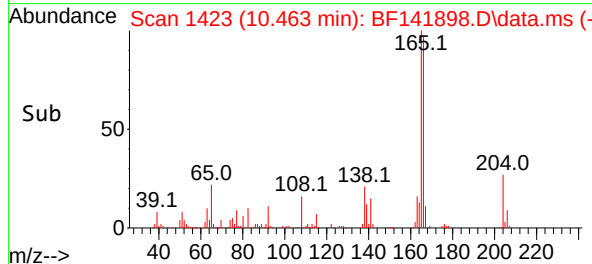
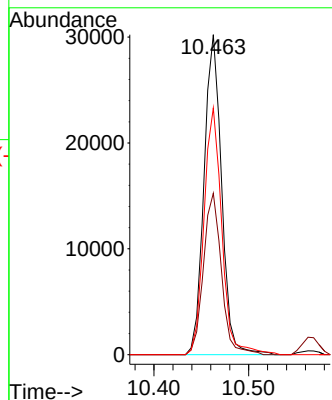
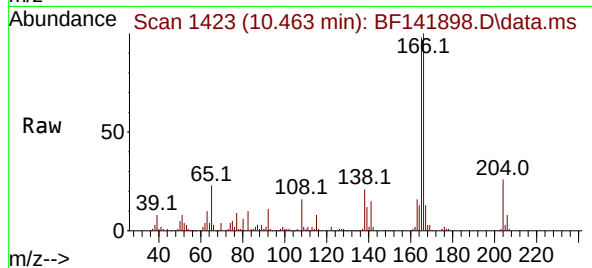




#62
4-Nitroaniline
Concen: 4.945 ng
RT: 10.463 min Scan# 1426
Delta R.T. -0.018 min
Lab File: BF141898.D
Acq: 10 Mar 2025 11:30

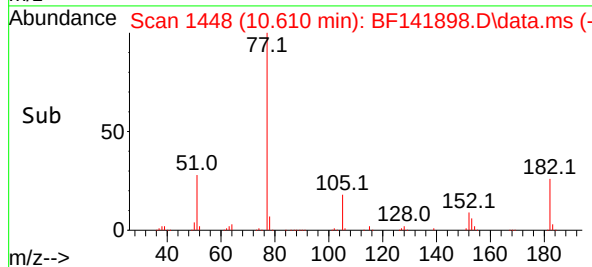
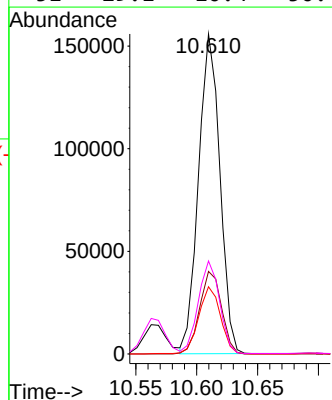
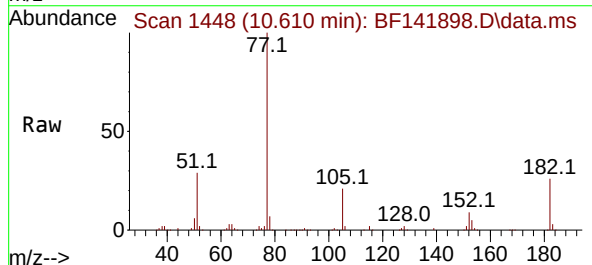
Instrument :
BNA_F
ClientSampleId :
SSTDICC005

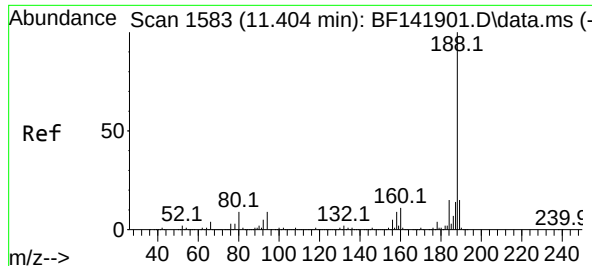
Tgt Ion:138 Resp: 38863
Ion Ratio Lower Upper
138 100
92 50.5 32.6 72.6
108 77.1 65.0 105.0



#63
Azobenzene
Concen: 5.370 ng
RT: 10.610 min Scan# 1448
Delta R.T. -0.006 min
Lab File: BF141898.D
Acq: 10 Mar 2025 11:30

Tgt Ion: 77 Resp: 190233
Ion Ratio Lower Upper
77 100
182 25.8 6.6 46.6
105 21.0 1.3 41.3
51 29.1 10.4 50.4

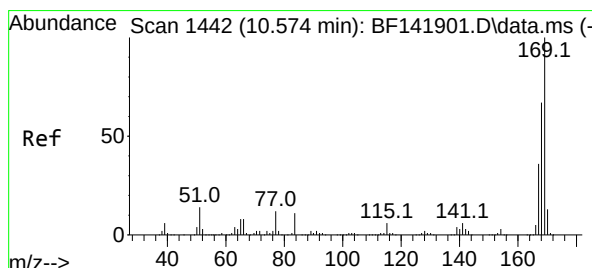
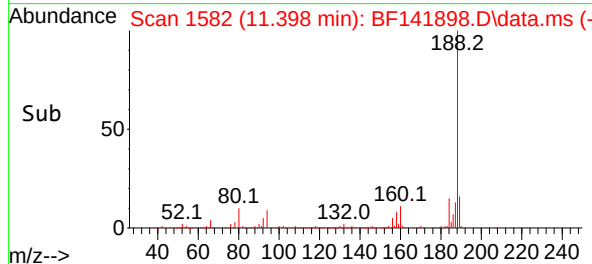
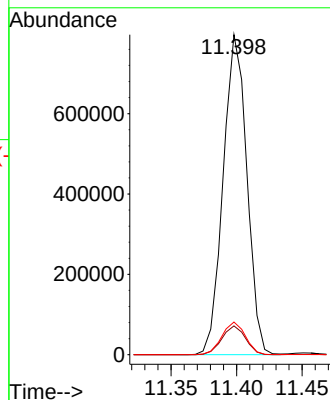
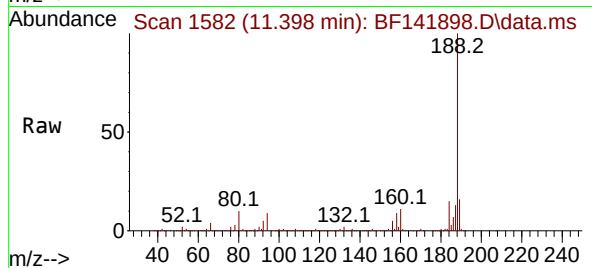




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.398 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF141898.D
Acq: 10 Mar 2025 11:30

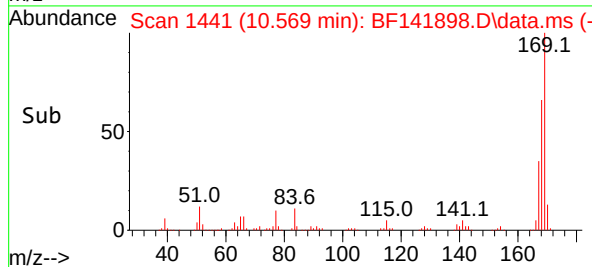
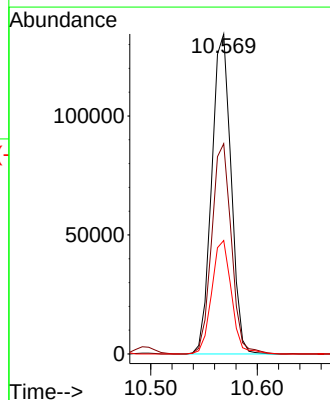
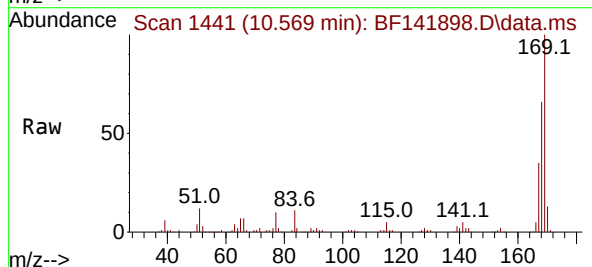
Instrument :
BNA_F
ClientSampleId :
SSTDICC005

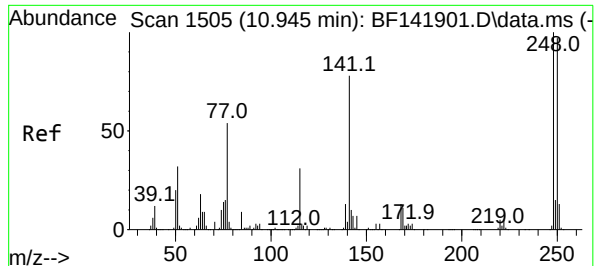
Tgt Ion:188 Resp: 1002901
Ion Ratio Lower Upper
188 100
94 9.0 6.8 10.2
80 10.2 7.6 11.4



#66
n-Nitrosodiphenylamine
Concen: 5.223 ng
RT: 10.569 min Scan# 1441
Delta R.T. -0.006 min
Lab File: BF141898.D
Acq: 10 Mar 2025 11:30

Tgt Ion:169 Resp: 169225
Ion Ratio Lower Upper
169 100
168 65.7 53.7 80.5
167 35.5 29.2 43.8

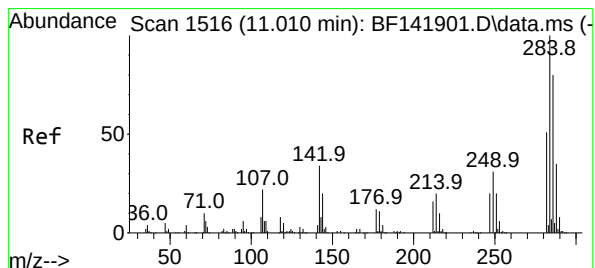
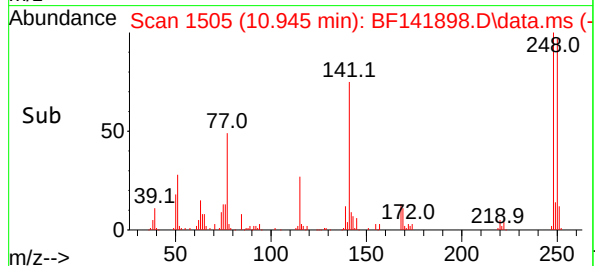
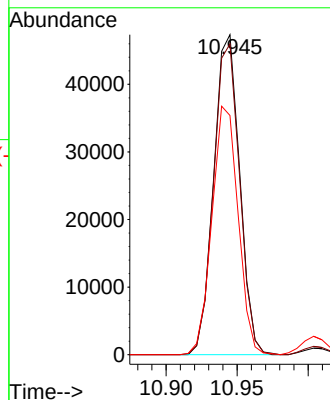
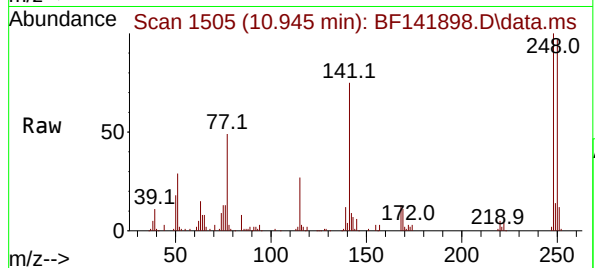




#67
4-Bromophenyl-phenylether
Concen: 4.823 ng
RT: 10.945 min Scan# 1505
Delta R.T. -0.000 min
Lab File: BF141898.D
Acq: 10 Mar 2025 11:30

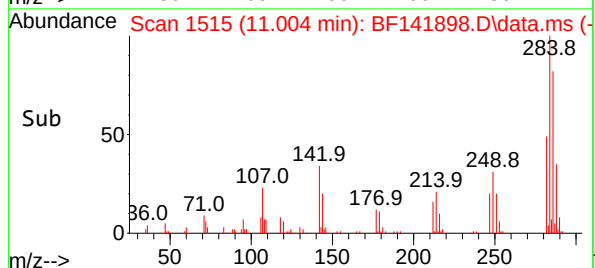
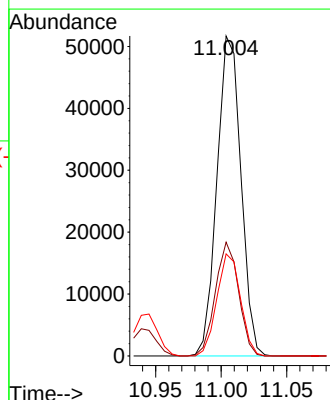
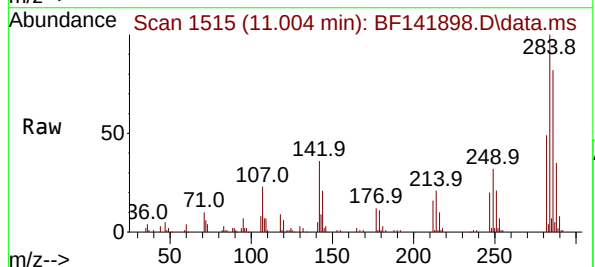
Instrument :
BNA_F
ClientSampleId :
SSTDICC005

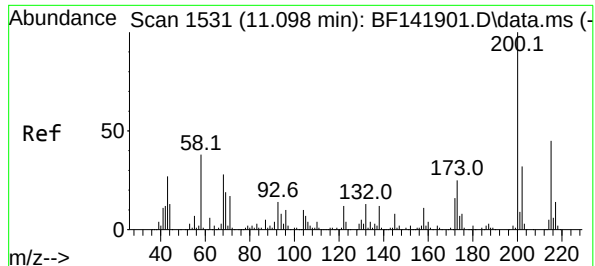
Tgt Ion:248 Resp: 60238
Ion Ratio Lower Upper
248 100
250 97.1 77.8 116.8
141 74.7 62.6 93.8



#68
Hexachlorobenzene
Concen: 4.753 ng
RT: 11.004 min Scan# 1515
Delta R.T. -0.006 min
Lab File: BF141898.D
Acq: 10 Mar 2025 11:30

Tgt Ion:284 Resp: 65620
Ion Ratio Lower Upper
284 100
142 35.6 27.0 40.6
249 31.9 25.2 37.8





#69

Atrazine

Concen: 6.867 ng

RT: 11.092 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF141898.D

Acq: 10 Mar 2025 11:30

Instrument :

BNA_F

ClientSampleId :

SSTDIC005

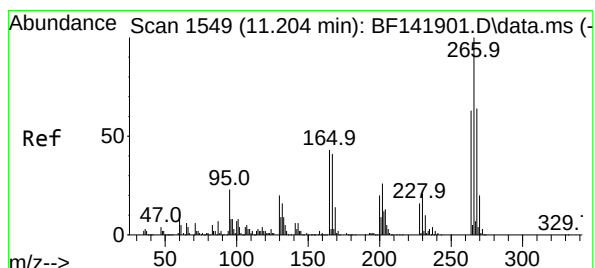
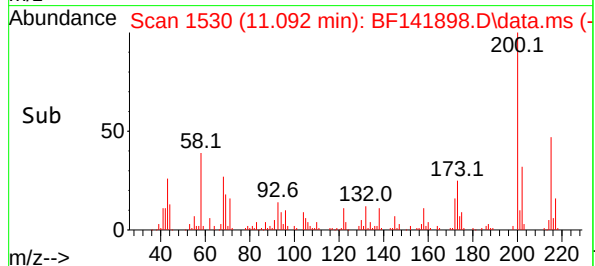
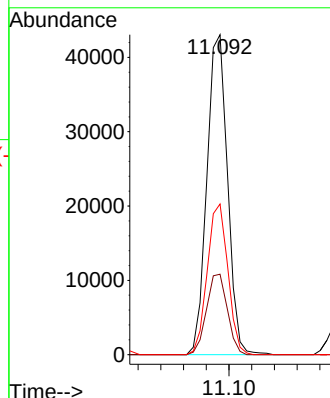
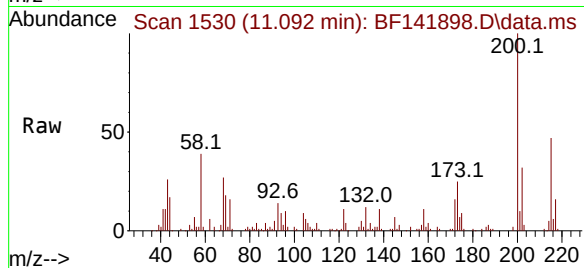
Tgt Ion:200 Resp: 54251

Ion Ratio Lower Upper

200 100

173 25.1 4.7 44.7

215 47.1 25.4 65.4



#70

Pentachlorophenol

Concen: 3.843 ng

RT: 11.198 min Scan# 1548

Delta R.T. -0.006 min

Lab File: BF141898.D

Acq: 10 Mar 2025 11:30

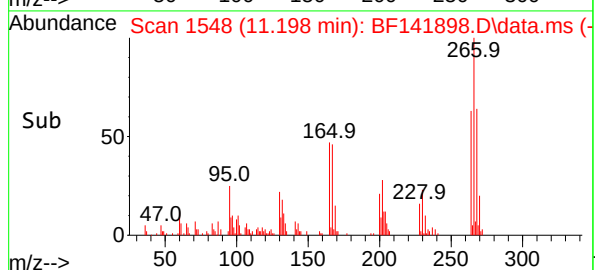
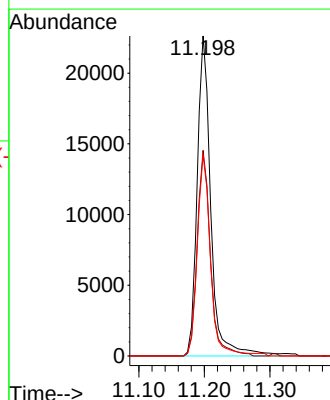
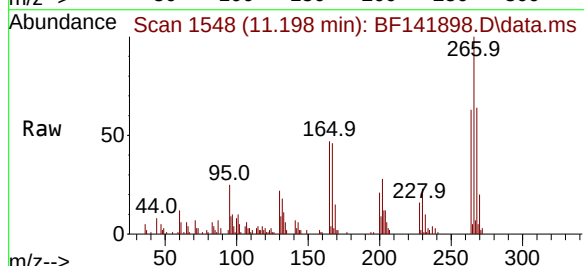
Tgt Ion:266 Resp: 32716

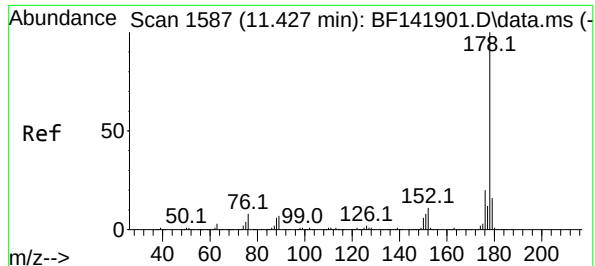
Ion Ratio Lower Upper

266 100

268 64.2 51.0 76.6

264 62.8 50.2 75.2

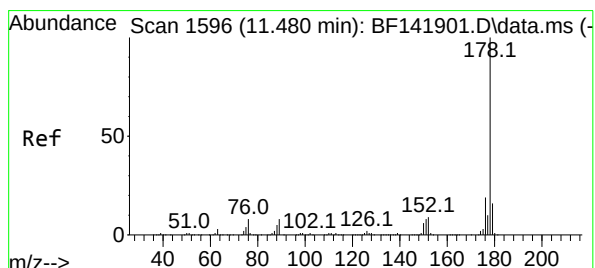
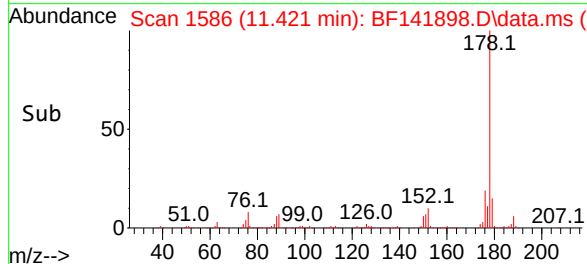
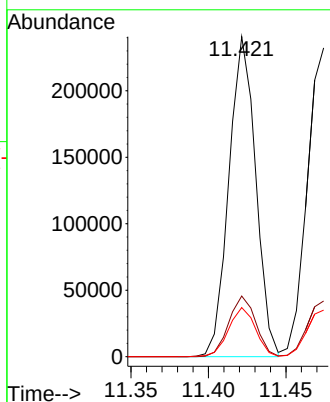
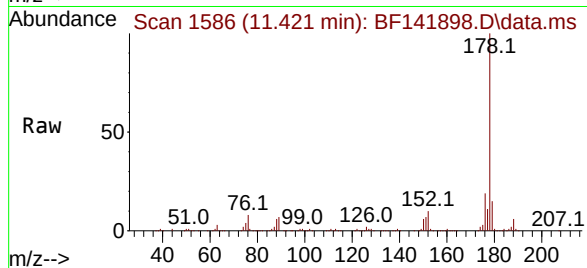




#71
Phenanthrene
Concen: 5.340 ng
RT: 11.421 min Scan# 1586
Delta R.T. -0.006 min
Lab File: BF141898.D
Acq: 10 Mar 2025 11:30

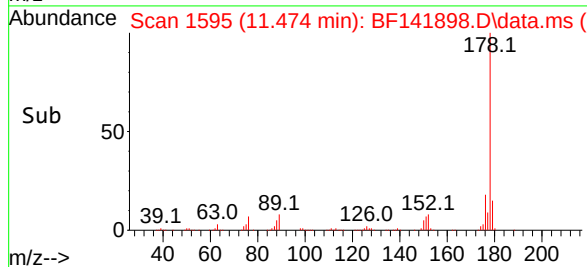
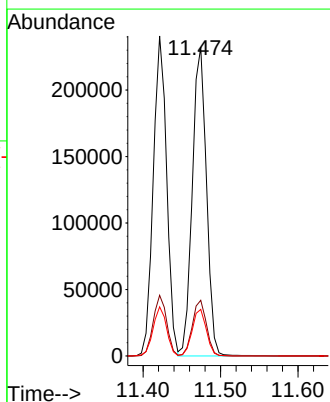
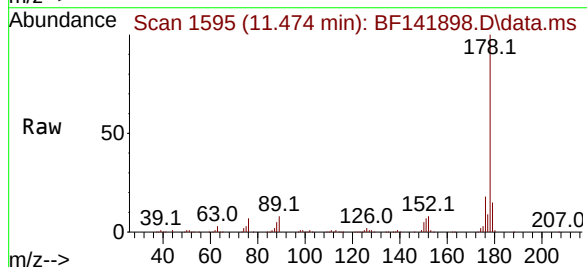
Instrument :
BNA_F
ClientSampleId :
SSTDICC005

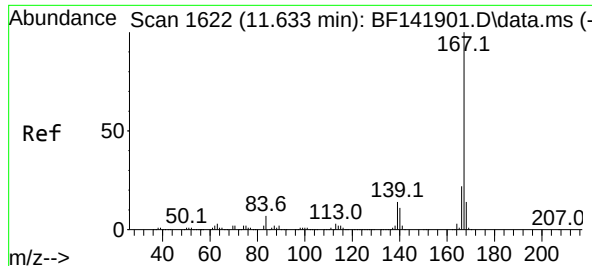
Tgt Ion:178 Resp: 289580
Ion Ratio Lower Upper
178 100
176 19.0 15.8 23.8
179 15.3 12.6 19.0



#72
Anthracene
Concen: 5.407 ng
RT: 11.474 min Scan# 1595
Delta R.T. -0.006 min
Lab File: BF141898.D
Acq: 10 Mar 2025 11:30

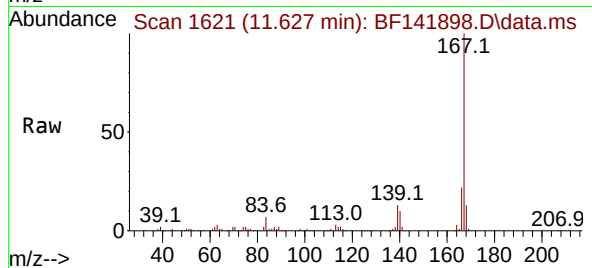
Tgt Ion:178 Resp: 294198
Ion Ratio Lower Upper
178 100
176 18.1 15.1 22.7
179 15.1 12.6 19.0



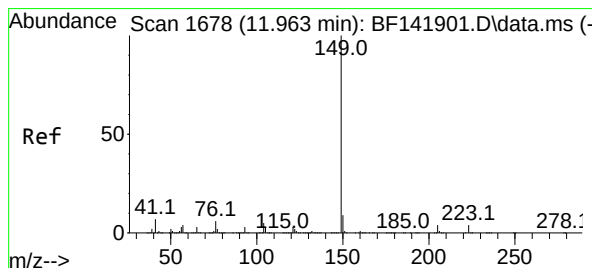
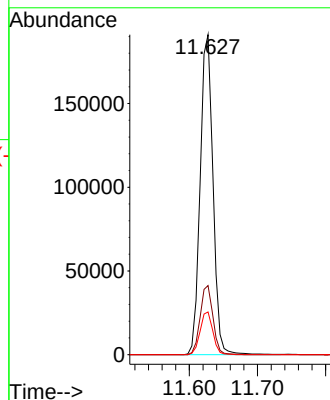
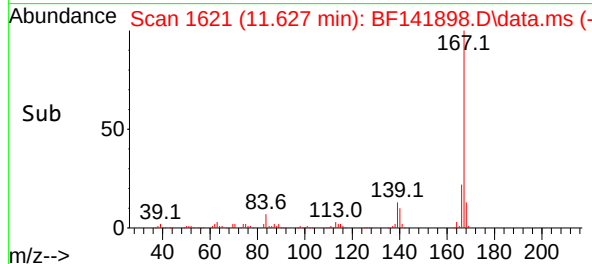


#73
Carbazole
Concen: 5.329 ng
RT: 11.627 min Scan# 1621
Delta R.T. -0.006 min
Lab File: BF141898.D
Acq: 10 Mar 2025 11:30

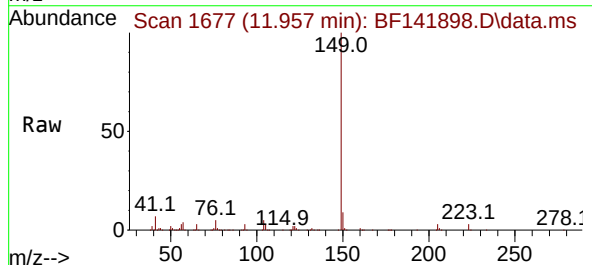
Instrument :
BNA_F
ClientSampleId :
SSTDICC005



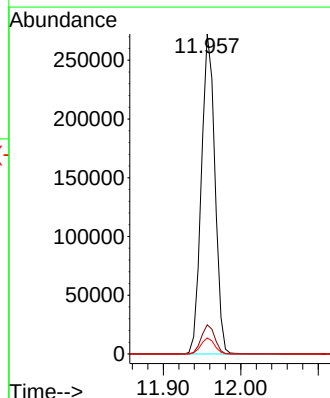
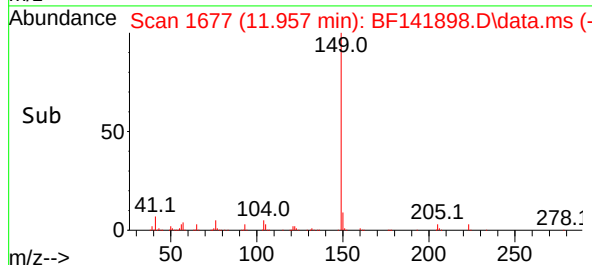
Tgt Ion:167 Resp: 249634
Ion Ratio Lower Upper
167 100
166 21.6 17.4 26.2
139 13.3 11.0 16.6

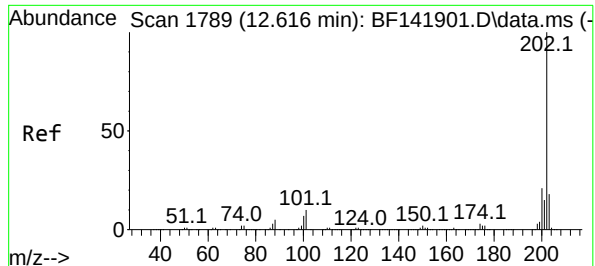


#74
Di-n-butylphthalate
Concen: 5.352 ng
RT: 11.957 min Scan# 1677
Delta R.T. -0.006 min
Lab File: BF141898.D
Acq: 10 Mar 2025 11:30



Tgt Ion:149 Resp: 330999
Ion Ratio Lower Upper
149 100
150 9.1 7.6 11.4
104 5.0 4.4 6.6

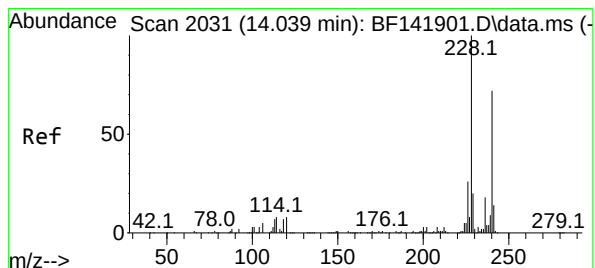
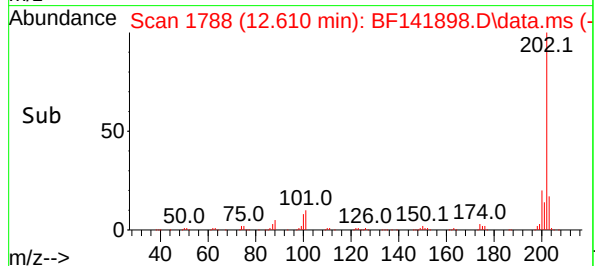
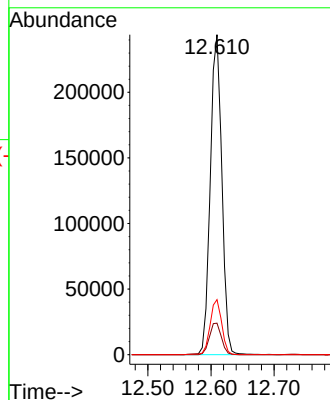
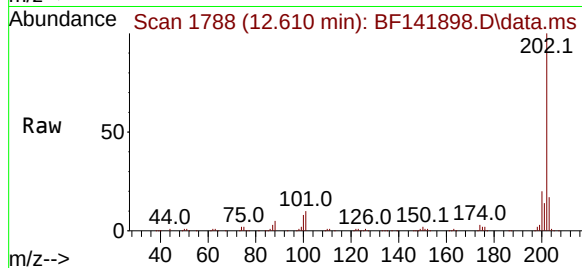




#75
Fluoranthene
Concen: 5.432 ng
RT: 12.610 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141898.D
Acq: 10 Mar 2025 11:30

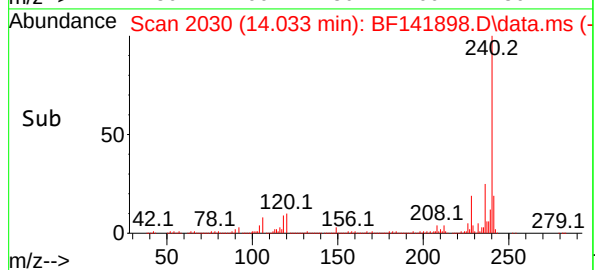
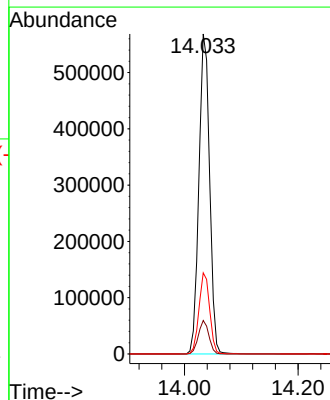
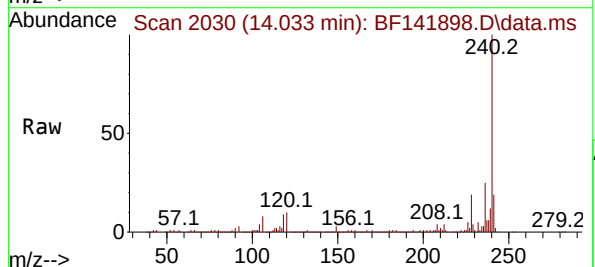
Instrument :
BNA_F
ClientSampleId :
SSTDICC005

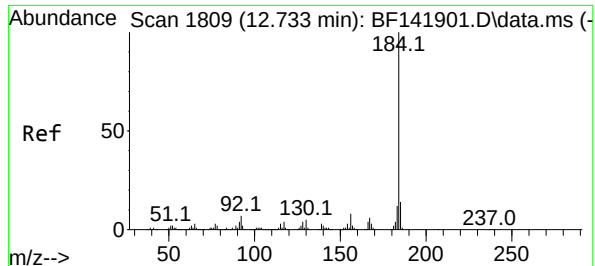
Tgt Ion:202 Resp: 309273
Ion Ratio Lower Upper
202 100
101 9.8 0.0 29.7
203 17.2 0.0 37.8



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.033 min Scan# 2030
Delta R.T. -0.006 min
Lab File: BF141898.D
Acq: 10 Mar 2025 11:30

Tgt Ion:240 Resp: 745624
Ion Ratio Lower Upper
240 100
120 10.4 8.4 12.6
236 25.3 20.5 30.7





#77

Benzidine

Concen: 6.138 ng

RT: 12.733 min Scan# 1809

Delta R.T. -0.000 min

Lab File: BF141898.D

Acq: 10 Mar 2025 11:30

Instrument :

BNA_F

ClientSampleId :

SSTDICC005

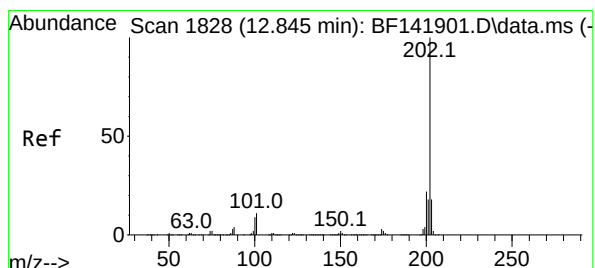
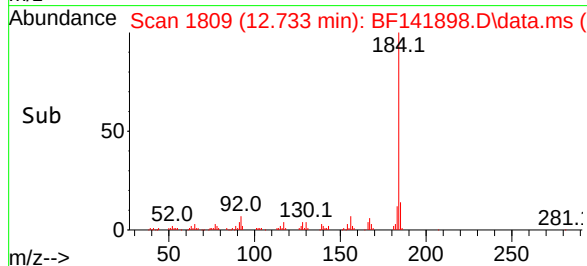
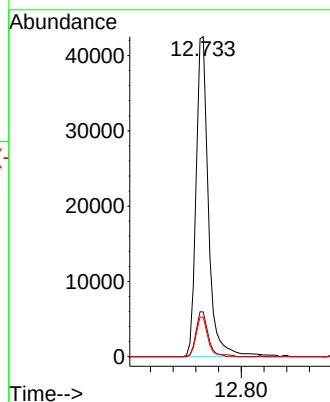
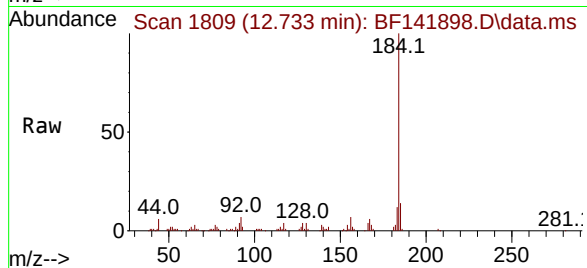
Tgt Ion:184 Resp: 64673

Ion Ratio Lower Upper

184 100

185 14.0 11.5 17.3

183 12.3 9.7 14.5



#78

Pyrene

Concen: 4.941 ng

RT: 12.839 min Scan# 1827

Delta R.T. -0.006 min

Lab File: BF141898.D

Acq: 10 Mar 2025 11:30

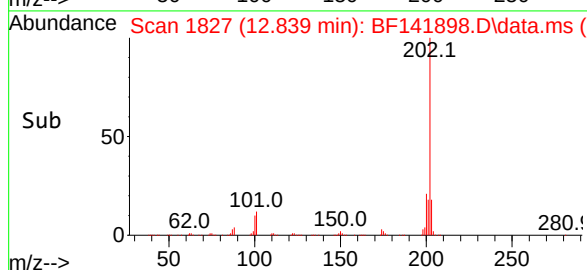
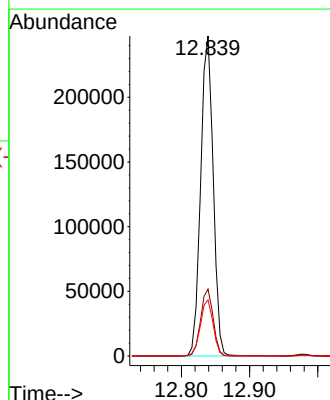
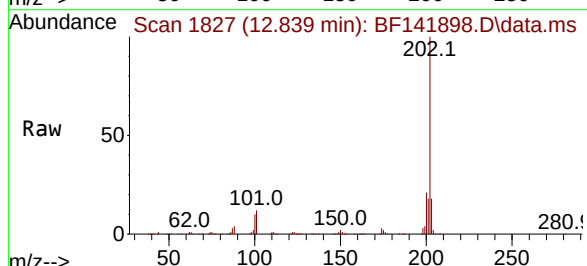
Tgt Ion:202 Resp: 315969

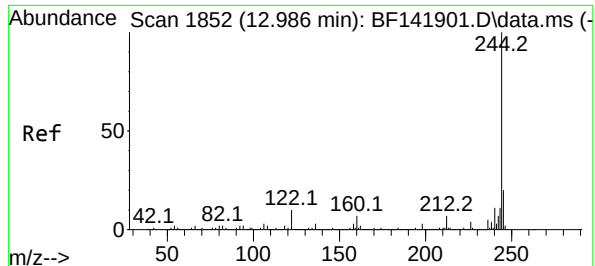
Ion Ratio Lower Upper

202 100

200 20.9 17.3 25.9

203 17.5 14.4 21.6

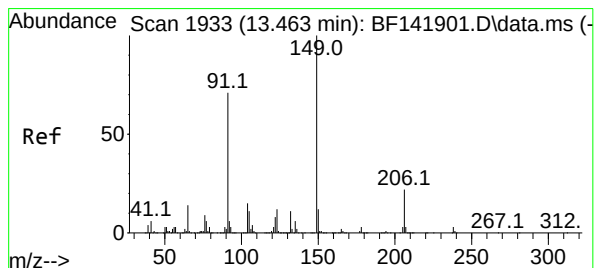
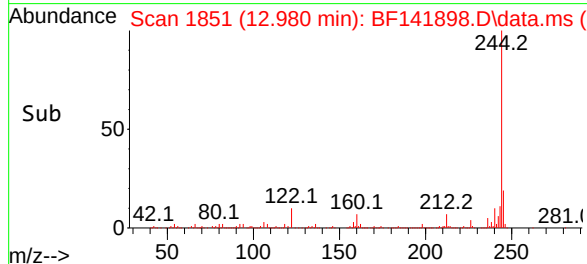
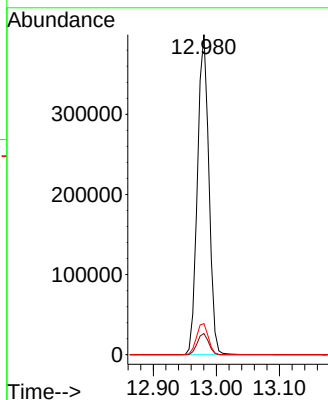
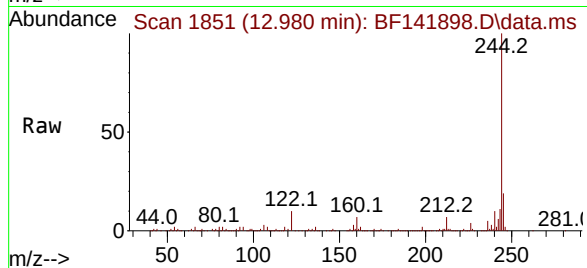




#79
Terphenyl-d14
Concen: 9.924 ng
RT: 12.980 min Scan# 1851
Delta R.T. -0.006 min
Lab File: BF141898.D
Acq: 10 Mar 2025 11:30

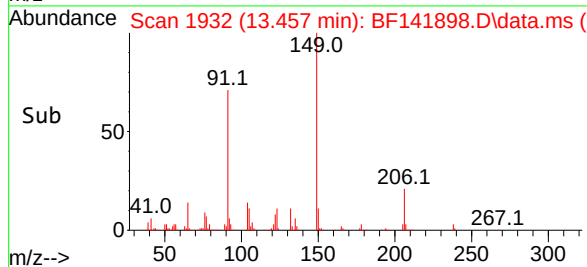
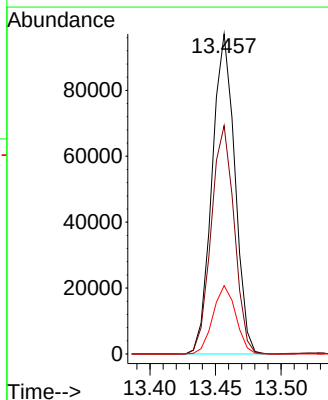
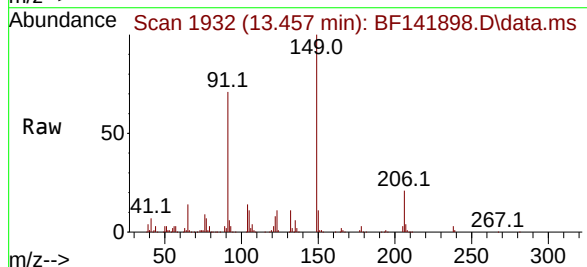
Instrument :
BNA_F
ClientSampleId :
SSTDICC005

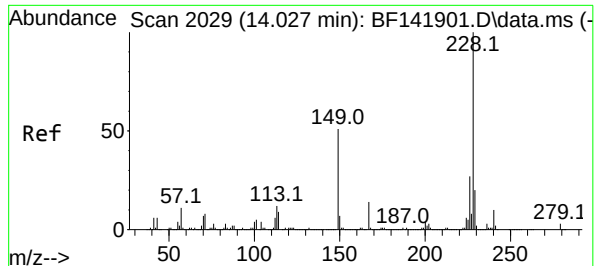
Tgt Ion:244 Resp: 500607
Ion Ratio Lower Upper
244 100
212 6.6 6.0 9.0
122 9.7 7.7 11.5



#80
Butylbenzylphthalate
Concen: 4.653 ng
RT: 13.457 min Scan# 1932
Delta R.T. -0.006 min
Lab File: BF141898.D
Acq: 10 Mar 2025 11:30

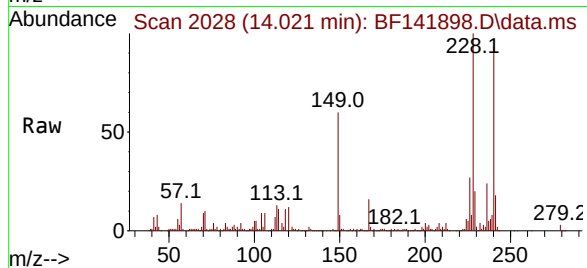
Tgt Ion:149 Resp: 117256
Ion Ratio Lower Upper
149 100
91 71.4 56.5 84.7
206 21.4 17.3 25.9



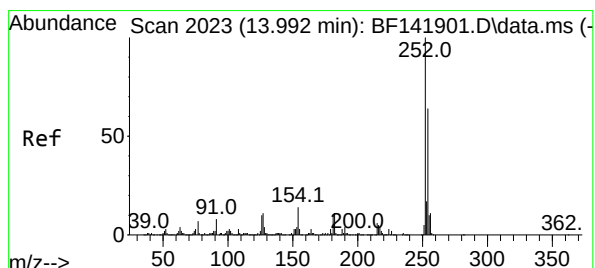
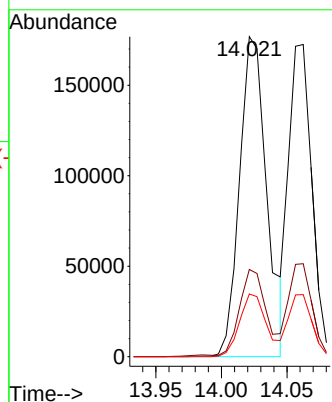
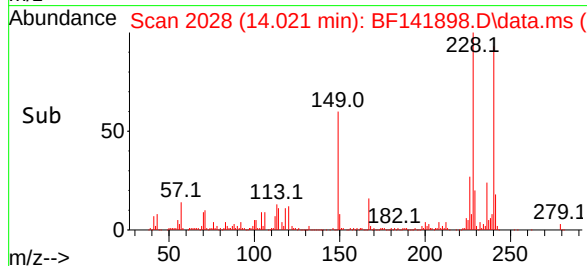


#81
Benzo(a)anthracene
Concen: 5.205 ng
RT: 14.021 min Scan# 2028
Delta R.T. -0.006 min
Lab File: BF141898.D
Acq: 10 Mar 2025 11:30

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

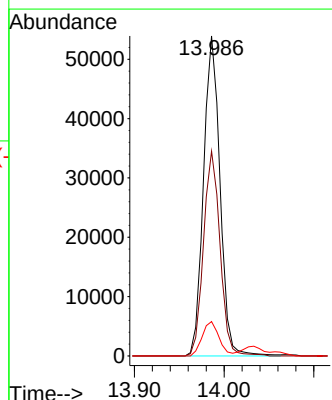
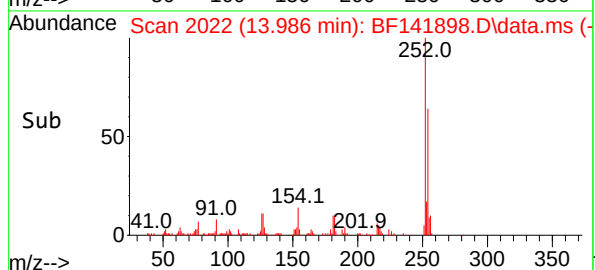
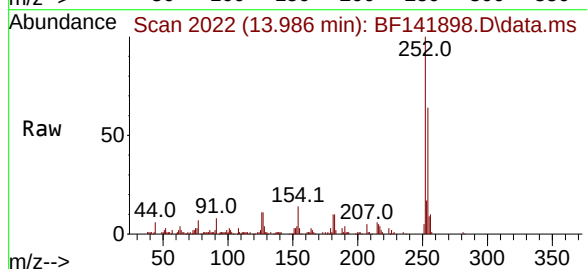


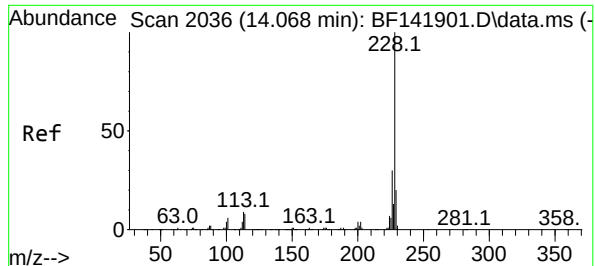
Tgt Ion:228 Resp: 255308
Ion Ratio Lower Upper
228 100
226 27.3 21.8 32.8
229 19.6 16.0 24.0



#82
3,3'-Dichlorobenzidine
Concen: 4.865 ng
RT: 13.986 min Scan# 2022
Delta R.T. -0.006 min
Lab File: BF141898.D
Acq: 10 Mar 2025 11:30

Tgt Ion:252 Resp: 68969
Ion Ratio Lower Upper
252 100
254 64.0 51.0 76.6
126 10.7 8.4 12.6





#83

Chrysene

Concen: 4.837 ng

RT: 14.062 min Scan# 2036

Delta R.T. -0.006 min

Lab File: BF141898.D

Acq: 10 Mar 2025 11:30

Instrument :

BNA_F

ClientSampleId :

SSTDICC005

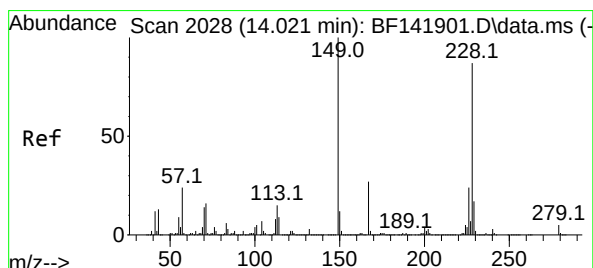
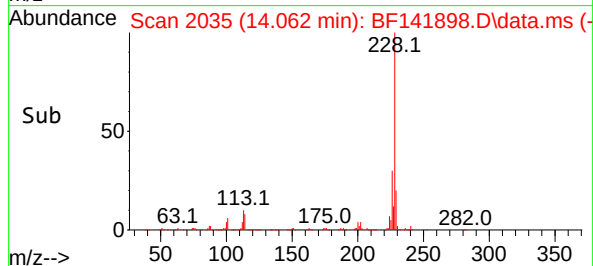
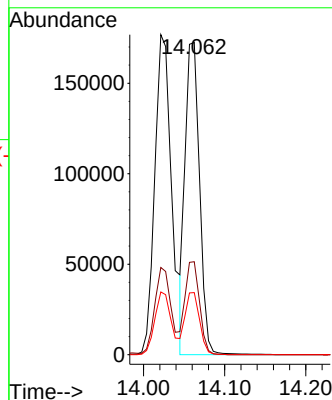
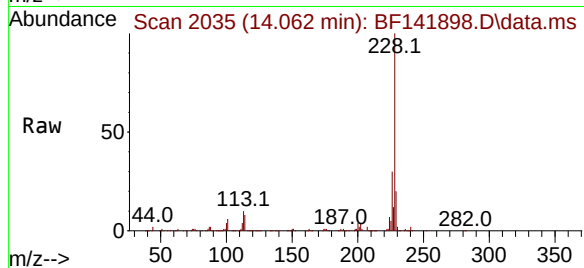
Tgt Ion:228 Resp: 213144

Ion Ratio Lower Upper

228 100

226 29.8 24.1 36.1

229 19.9 15.7 23.5



#84

Bis(2-ethylhexyl)phthalate

Concen: 4.836 ng

RT: 14.015 min Scan# 2027

Delta R.T. -0.006 min

Lab File: BF141898.D

Acq: 10 Mar 2025 11:30

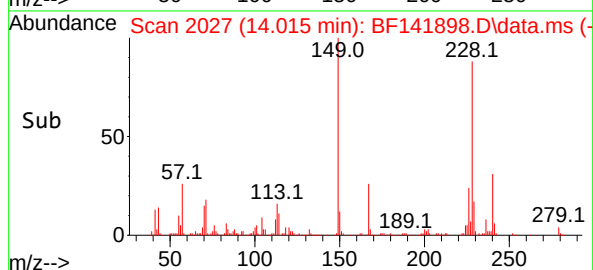
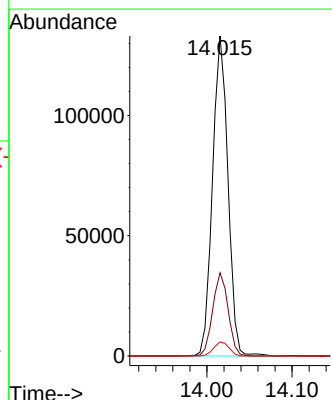
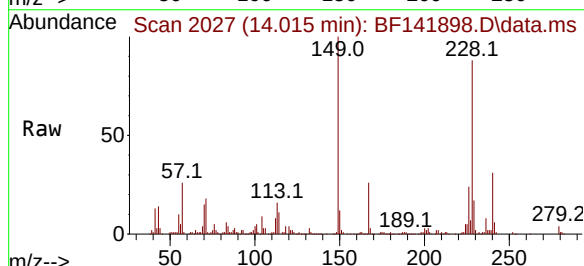
Tgt Ion:149 Resp: 167165

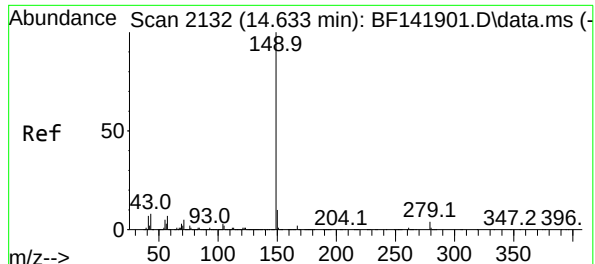
Ion Ratio Lower Upper

149 100

167 26.0 21.4 32.0

279 4.4 3.8 5.6

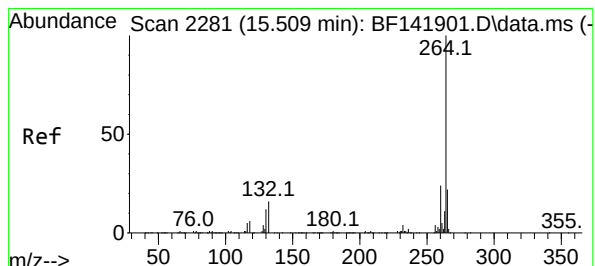
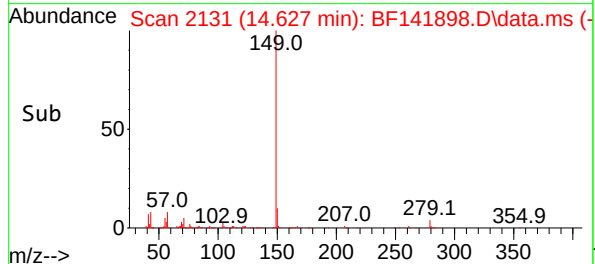
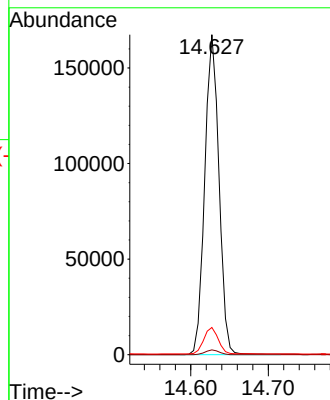
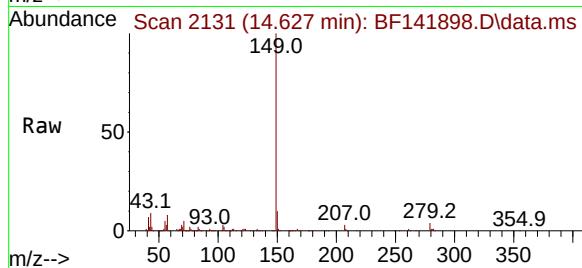




#85
Di-n-octyl phthalate
Concen: 4.435 ng
RT: 14.627 min Scan# 2132
Delta R.T. -0.006 min
Lab File: BF141898.D
Acq: 10 Mar 2025 11:30

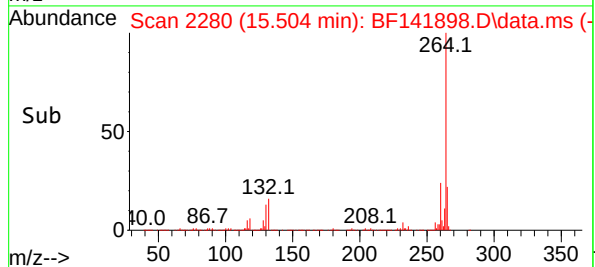
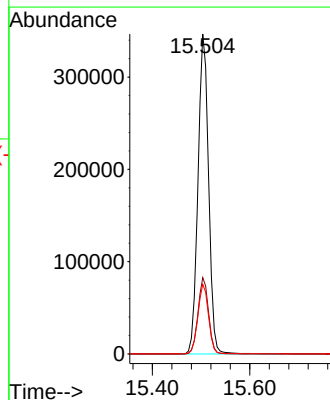
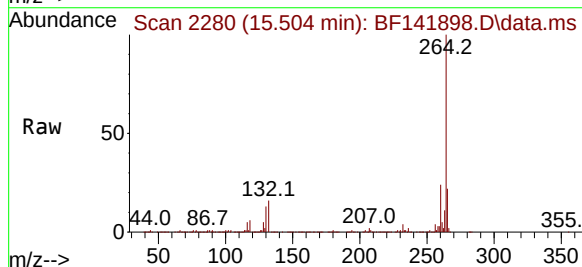
Instrument :
BNA_F
ClientSampleId :
SSTDICC005

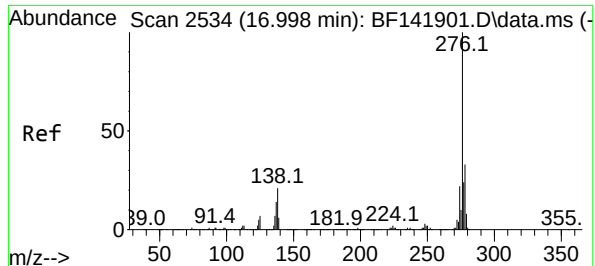
Tgt Ion:149 Resp: 213395
Ion Ratio Lower Upper
149 100
167 1.5 1.3 1.9
43 8.4 6.9 10.3



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.504 min Scan# 2280
Delta R.T. -0.006 min
Lab File: BF141898.D
Acq: 10 Mar 2025 11:30

Tgt Ion:264 Resp: 527129
Ion Ratio Lower Upper
264 100
260 23.9 19.1 28.7
265 21.7 17.5 26.3

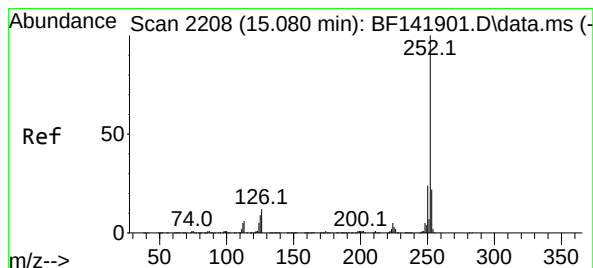
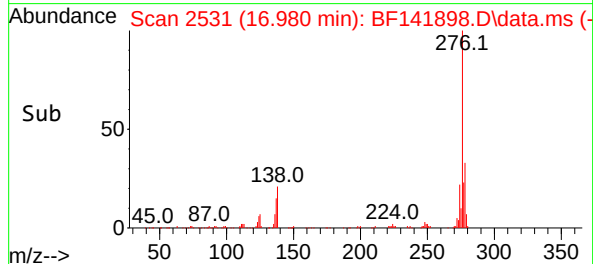
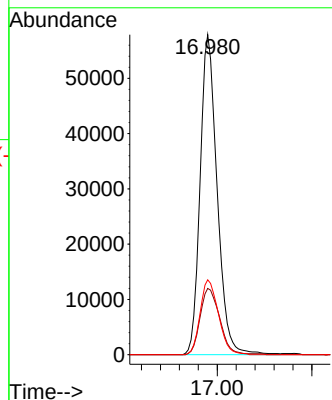
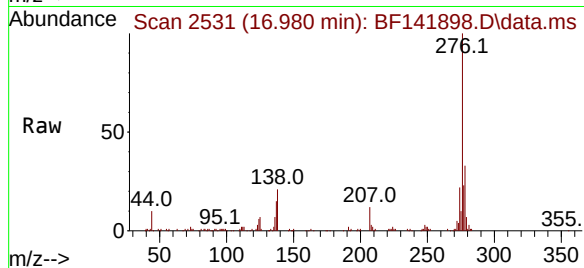




#87
Indeno(1,2,3-cd)pyrene
Concen: 4.228 ng
RT: 16.980 min Scan# 21
Delta R.T. -0.018 min
Lab File: BF141898.D
Acq: 10 Mar 2025 11:30

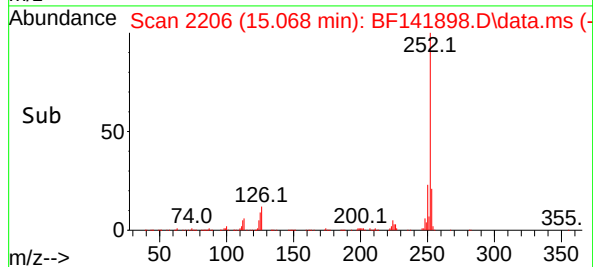
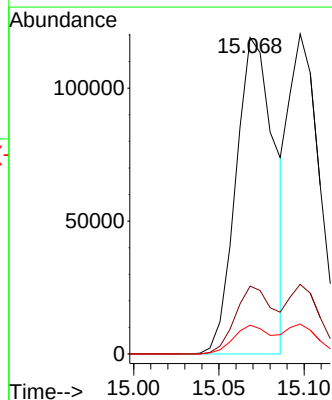
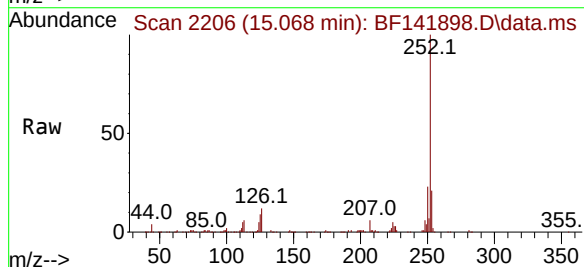
Instrument :
BNA_F
ClientSampleId :
SSTDICC005

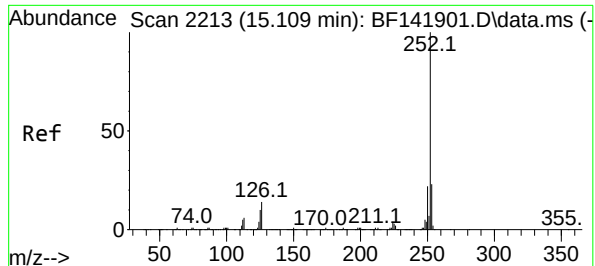
Tgt Ion:276 Resp: 144536
Ion Ratio Lower Upper
276 100
138 23.7 18.4 27.6
277 25.1 20.3 30.5



#88
Benzo(b)fluoranthene
Concen: 5.234 ng
RT: 15.068 min Scan# 2206
Delta R.T. -0.012 min
Lab File: BF141898.D
Acq: 10 Mar 2025 11:30

Tgt Ion:252 Resp: 187154
Ion Ratio Lower Upper
252 100
253 21.5 17.5 26.3
125 9.1 7.0 10.4





#89

Benzo(k)fluoranthene

Concen: 4.903 ng

RT: 15.098 min Scan# 21

Delta R.T. -0.012 min

Lab File: BF141898.D

Acq: 10 Mar 2025 11:30

Instrument :

BNA_F

ClientSampleId :

SSTDICC005

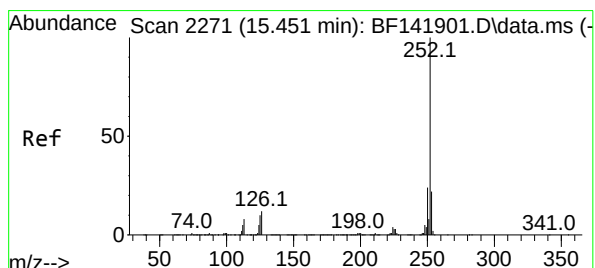
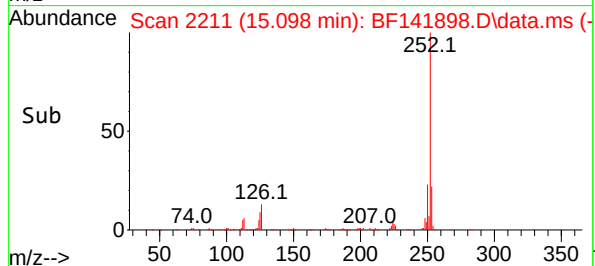
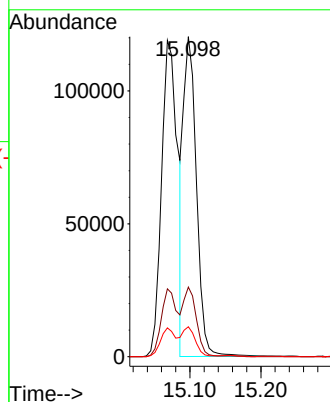
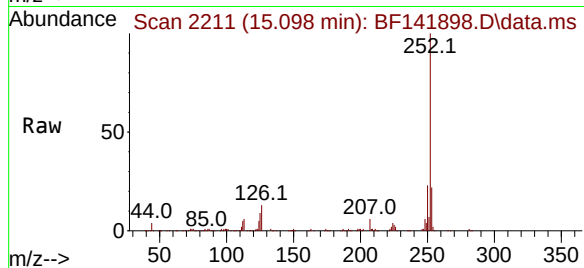
Tgt Ion:252 Resp: 153142

Ion Ratio Lower Upper

252 100

253 21.8 17.7 26.5

125 9.4 7.2 10.8



#90

Benzo(a)pyrene

Concen: 4.860 ng

RT: 15.439 min Scan# 2269

Delta R.T. -0.012 min

Lab File: BF141898.D

Acq: 10 Mar 2025 11:30

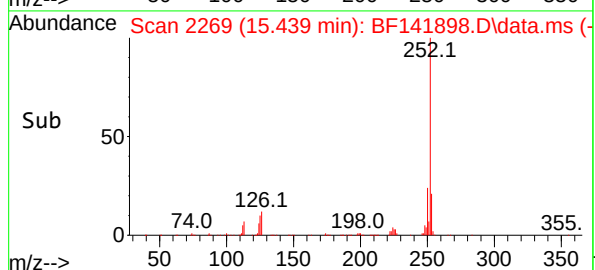
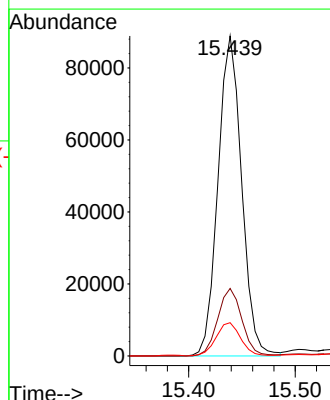
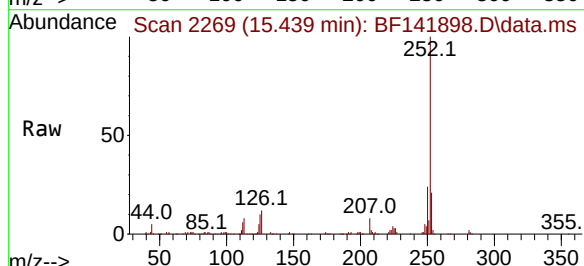
Tgt Ion:252 Resp: 137043

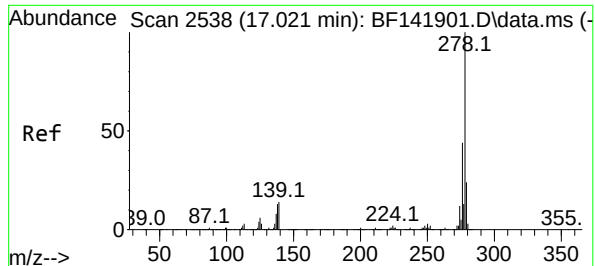
Ion Ratio Lower Upper

252 100

253 21.1 17.4 26.0

125 10.4 7.8 11.8





#91

Dibenzo(a,h)anthracene

Concen: 4.252 ng

RT: 16.998 min Scan# 21

Delta R.T. -0.024 min

Lab File: BF141898.D

Acq: 10 Mar 2025 11:30

Instrument :

BNA_F

ClientSampleId :

SSTDICC005

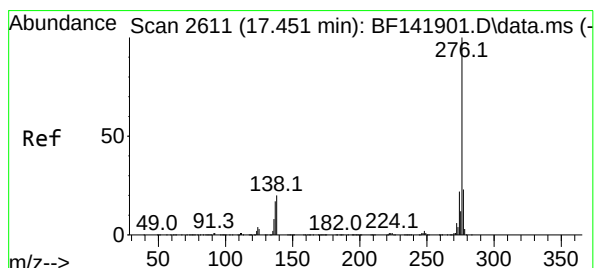
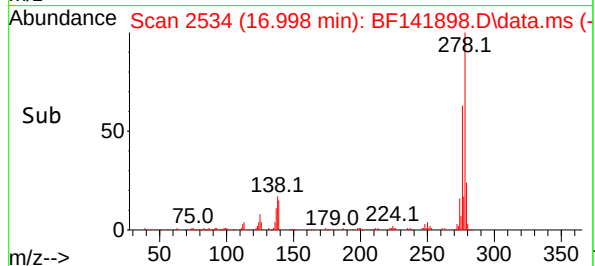
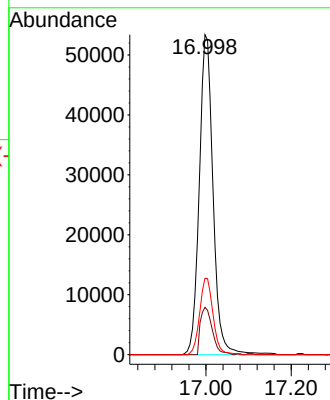
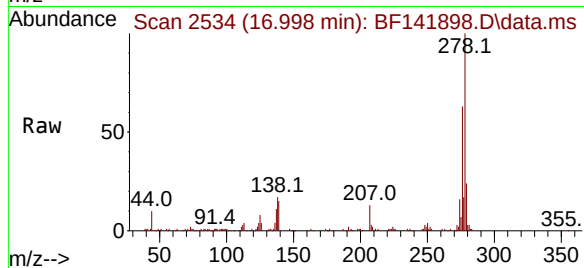
Tgt Ion:278 Resp: 119937

Ion Ratio Lower Upper

278 100

139 14.8 11.4 17.2

279 23.9 18.8 28.2



#92

Benzo(g,h,i)perylene

Concen: 4.294 ng

RT: 17.427 min Scan# 2607

Delta R.T. -0.024 min

Lab File: BF141898.D

Acq: 10 Mar 2025 11:30

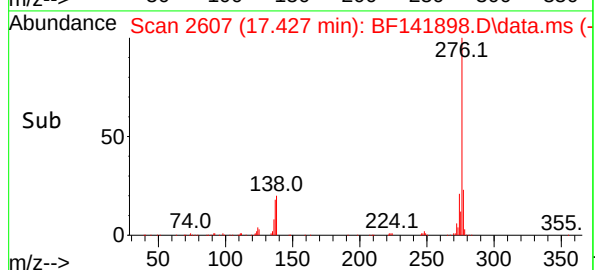
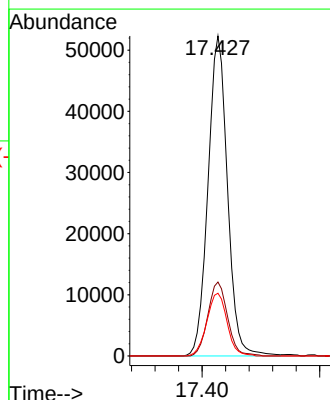
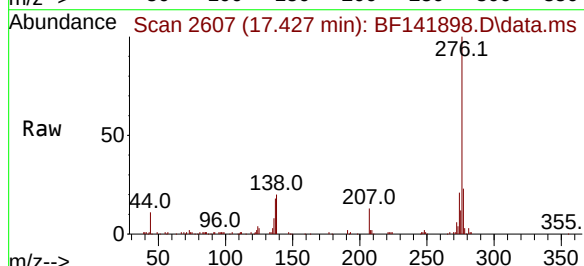
Tgt Ion:276 Resp: 120142

Ion Ratio Lower Upper

276 100

277 23.1 18.7 28.1

138 19.6 15.8 23.8



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF031025\
 Data File : BF141899.D
 Acq On : 10 Mar 2025 12:00
 Operator : RC/JU
 Sample : SSTDICC010
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SSTDICC010

Quant Time: Mar 10 15:33:35 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF031025.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Mar 10 15:01:52 2025
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.881	152	224499	20.000	ng	0.00
21) Naphthalene-d8	8.163	136	921725	20.000	ng	0.00
39) Acenaphthene-d10	9.916	164	541295	20.000	ng	0.00
64) Phenanthrene-d10	11.398	188	966771	20.000	ng	0.00
76) Chrysene-d12	14.039	240	703100	20.000	ng	0.00
86) Perylene-d12	15.510	264	510790	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.487	112	279139	20.746	ng	0.00
7) Phenol-d6	6.493	99	357672	20.872	ng	-0.01
23) Nitrobenzene-d5	7.434	82	328098	19.951	ng	-0.01
42) 2,4,6-Tribromophenol	10.698	330	127785	18.630	ng	0.00
45) 2-Fluorobiphenyl	9.234	172	746589	21.003	ng	0.00
79) Terphenyl-d14	12.980	244	920159	19.345	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	2.675	88	54068	9.588	ng	98
3) Pyridine	3.440	79	135148	9.752	ng	99
4) n-Nitrosodimethylamine	3.369	42	62411	9.474	ng	# 98
6) Aniline	6.540	93	179854	10.631	ng	99
8) 2-Chlorophenol	6.657	128	151998	10.192	ng	97
9) Benzaldehyde	6.428	77	114586	11.963	ng	99
10) Phenol	6.504	94	187967	10.396	ng	98
11) bis(2-Chloroethyl)ether	6.610	93	139813	10.321	ng	99
12) 1,3-Dichlorobenzene	6.822	146	167192	10.374	ng	98
13) 1,4-Dichlorobenzene	6.898	146	168717	10.347	ng	98
14) 1,2-Dichlorobenzene	7.051	146	159032	10.357	ng	98
15) Benzyl Alcohol	7.010	79	140530	10.132	ng	99
16) 2,2'-oxybis(1-Chloropr...	7.151	45	171225	10.487	ng	98
17) 2-Methylphenol	7.116	107	117869	9.945	ng	99
18) Hexachloroethane	7.392	117	61809	10.111	ng	100
19) n-Nitroso-di-n-propyla...	7.281	70	112281	10.194	ng	97
20) 3+4-Methylphenols	7.269	107	156526	10.296	ng	92
22) Acetophenone	7.281	105	227350	10.282	ng	99
24) Nitrobenzene	7.457	77	161777	9.922	ng	99
25) Isophorone	7.692	82	285760	9.842	ng	99
26) 2-Nitrophenol	7.775	139	73301	9.174	ng	98
27) 2,4-Dimethylphenol	7.804	122	107669	9.784	ng	99
28) bis(2-Chloroethoxy)met...	7.904	93	187307	10.298	ng	98
29) 2,4-Dichlorophenol	8.010	162	135772	9.941	ng	98
30) 1,2,4-Trichlorobenzene	8.098	180	149790	9.941	ng	99
31) Naphthalene	8.181	128	495470	10.493	ng	99
32) Benzoic acid	7.869	122	68640	7.136	ng	98
33) 4-Chloroaniline	8.228	127	173977	10.441	ng	98
34) Hexachlorobutadiene	8.298	225	97298	9.931	ng	98
35) Caprolactam	8.563	113	41208	9.922	ng	97
36) 4-Chloro-3-methylphenol	8.698	107	152340	10.029	ng	96
37) 2-Methylnaphthalene	8.869	142	326733	10.313	ng	99
38) 1-Methylnaphthalene	8.969	142	318324	10.376	ng	98
40) 1,2,4,5-Tetrachloroben...	9.034	216	163481	9.905	ng	99
41) Hexachlorocyclopentadiene	9.022	237	59769	9.177	ng	99
43) 2,4,6-Trichlorophenol	9.145	196	105191	9.777	ng	99

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF031025\
 Data File : BF141899.D
 Acq On : 10 Mar 2025 12:00
 Operator : RC/JU
 Sample : SSTDICC010
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SSTDICC010

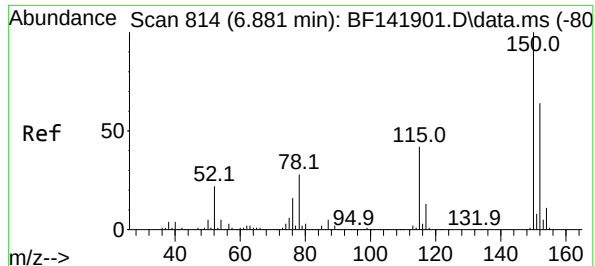
Quant Time: Mar 10 15:33:35 2025
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 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Mar 10 15:01:52 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.181	196	105943	9.692	ng	99
46) 1,1'-Biphenyl	9.334	154	425640	10.372	ng	98
47) 2-Chloronaphthalene	9.357	162	308729	10.094	ng	98
48) 2-Nitroaniline	9.451	65	84854	9.658	ng	98
49) Acenaphthylene	9.775	152	470801	10.383	ng	99
50) Dimethylphthalate	9.628	163	382722	10.176	ng	100
51) 2,6-Dinitrotoluene	9.692	165	75577	9.663	ng	97
52) Acenaphthene	9.945	154	323406	10.101	ng	100
53) 3-Nitroaniline	9.857	138	79944	9.955	ng	96
54) 2,4-Dinitrophenol	9.963	184	23121	11.386	ng #	71
55) Dibenzofuran	10.116	168	483596	10.593	ng	98
56) 4-Nitrophenol	10.004	139	58549	9.706	ng	98
57) 2,4-Dinitrotoluene	10.092	165	103313	10.035	ng	98
58) Fluorene	10.463	166	368370	10.452	ng	99
59) 2,3,4,6-Tetrachlorophenol	10.233	232	98725	9.954	ng	99
60) Diethylphthalate	10.328	149	398003	10.542	ng	100
61) 4-Chlorophenyl-phenyle...	10.451	204	186237	10.145	ng	99
62) 4-Nitroaniline	10.463	138	78048	10.030	ng	97
63) Azobenzene	10.610	77	368982	10.521	ng	99
65) 4,6-Dinitro-2-methylph...	10.498	198	40348	7.040	ng	99
66) n-Nitrosodiphenylamine	10.569	169	314758	10.078	ng	99
67) 4-Bromophenyl-phenylether	10.945	248	120534	10.011	ng	97
68) Hexachlorobenzene	11.010	284	129242	9.712	ng	98
69) Atrazine	11.092	200	102822	13.502	ng	99
70) Pentachlorophenol	11.198	266	73112	8.909	ng	99
71) Phenanthrene	11.422	178	556546	10.646	ng	98
72) Anthracene	11.475	178	550767	10.501	ng	100
73) Carbazole	11.628	167	480520	10.641	ng	99
74) Di-n-butylphthalate	11.957	149	638429	10.708	ng	99
75) Fluoranthene	12.610	202	592806	10.801	ng	99
77) Benzidine	12.733	184	108761	10.946	ng	99
78) Pyrene	12.839	202	580442	9.626	ng	99
80) Butylbenzylphthalate	13.457	149	230714	9.710	ng	98
81) Benzo(a)anthracene	14.027	228	458422	9.911	ng	99
82) 3,3'-Dichlorobenzidine	13.986	252	136843	10.236	ng	99
83) Chrysene	14.063	228	419687	10.100	ng	99
84) Bis(2-ethylhexyl)phtha...	14.016	149	320536	9.833	ng	99
85) Di-n-octyl phthalate	14.627	149	428377	9.442	ng	100
87) Indeno(1,2,3-cd)pyrene	16.986	276	291723	8.807	ng	99
88) Benzo(b)fluoranthene	15.074	252	334664	9.659	ng	99
89) Benzo(k)fluoranthene	15.104	252	323772	10.698	ng	99
90) Benzo(a)pyrene	15.439	252	266149	9.740	ng	99
91) Dibenzo(a,h)anthracene	17.004	278	243443	8.907	ng	98
92) Benzo(g,h,i)perylene	17.433	276	242380	8.941	ng	99

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

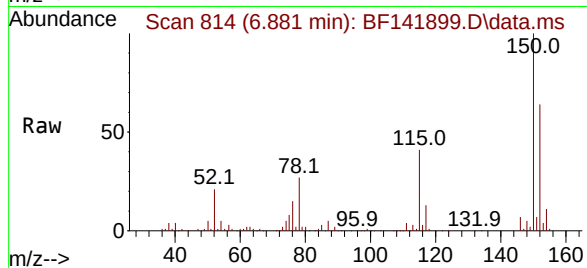
Instrument :
BNA_F
ClientSampleId :
SSTDICC010

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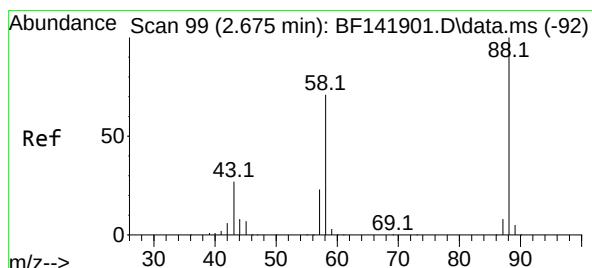
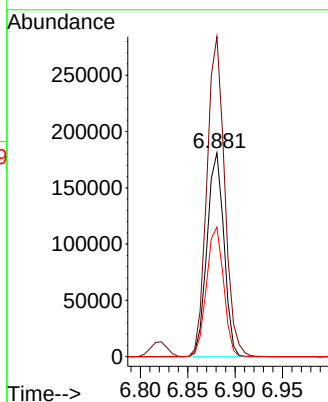
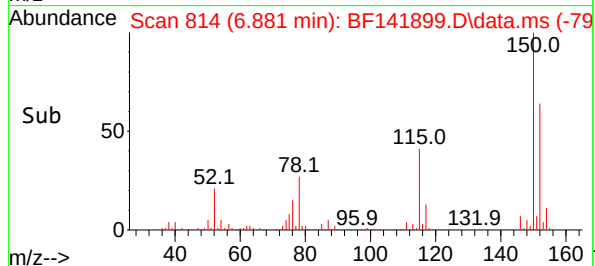


#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.881 min Scan# 814
Delta R.T. -0.000 min
Lab File: BF141899.D
Acq: 10 Mar 2025 12:00

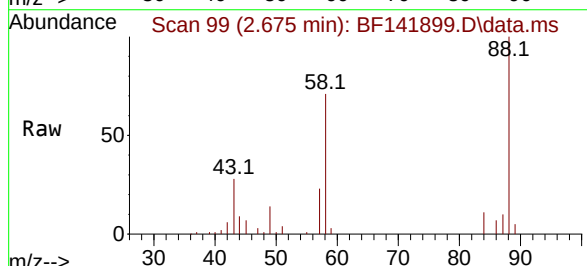
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BNA_F
ClientSampleId :
SSTDICC010



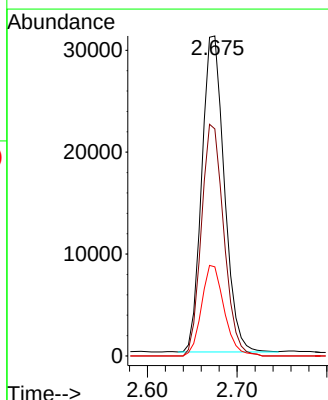
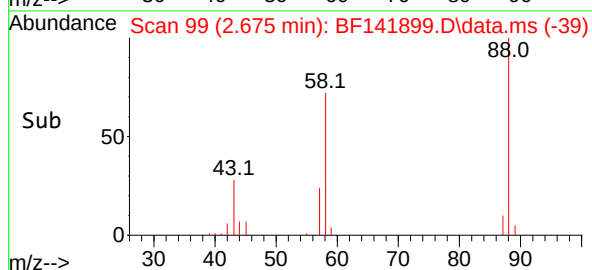
Tgt Ion:152 Resp: 224499
Ion Ratio Lower Upper
152 100
150 157.0 127.4 191.2
115 63.6 51.9 77.9

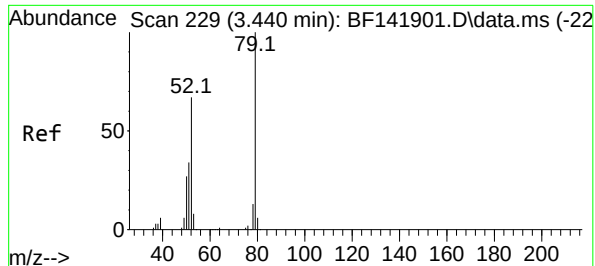


#2
1,4-Dioxane
Concen: 9.588 ng
RT: 2.675 min Scan# 99
Delta R.T. 0.000 min
Lab File: BF141899.D
Acq: 10 Mar 2025 12:00



Tgt Ion: 88 Resp: 54068
Ion Ratio Lower Upper
88 100
58 72.9 57.4 86.2
43 28.8 21.5 32.3





#3

Pyridine

Concen: 9.752 ng

RT: 3.440 min Scan# 21

Delta R.T. 0.000 min

Lab File: BF141899.D

Acq: 10 Mar 2025 12:00

Instrument :

BNA_F

ClientSampleId :

SSTDICC010

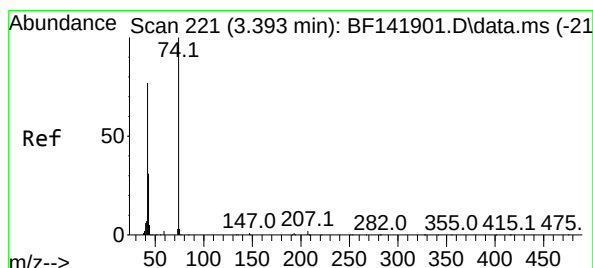
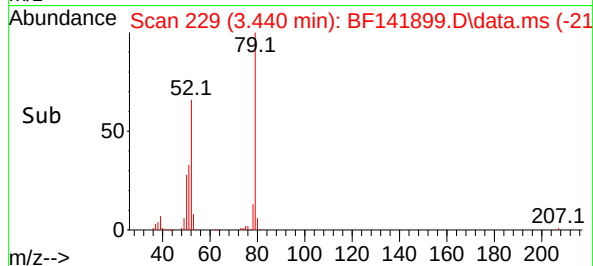
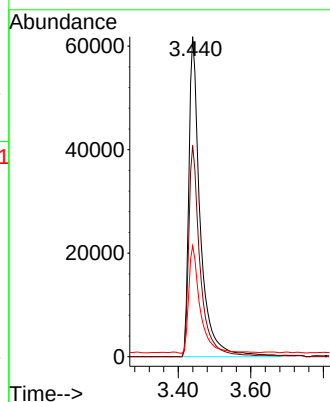
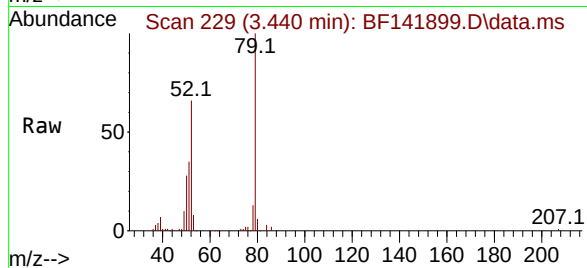
Tgt Ion: 79 Resp: 135148

Ion Ratio Lower Upper

79 100

52 66.0 53.3 79.9

51 34.7 27.6 41.4



#4

n-Nitrosodimethylamine

Concen: 9.474 ng

RT: 3.369 min Scan# 217

Delta R.T. -0.023 min

Lab File: BF141899.D

Acq: 10 Mar 2025 12:00

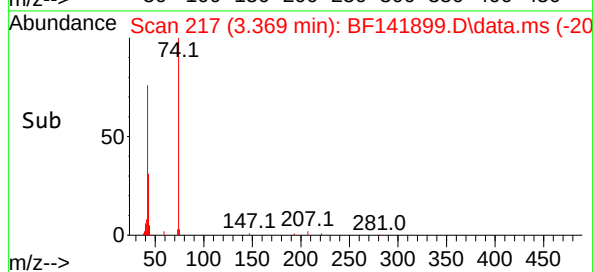
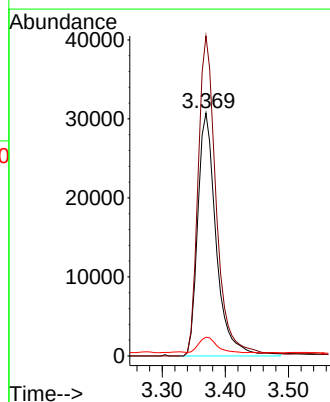
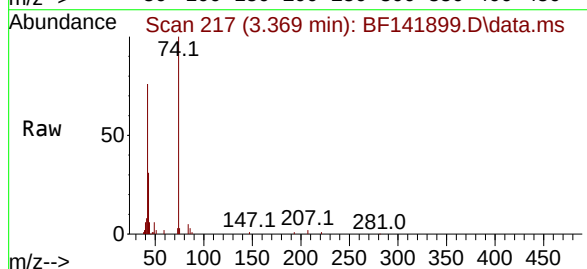
Tgt Ion: 42 Resp: 62411

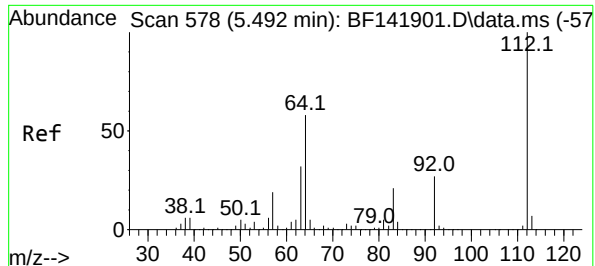
Ion Ratio Lower Upper

42 100

74 131.7 103.4 155.0

44 7.7 5.0 7.4#

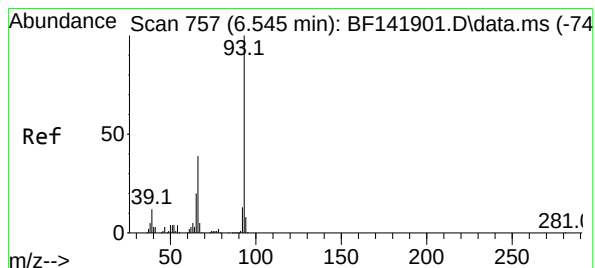
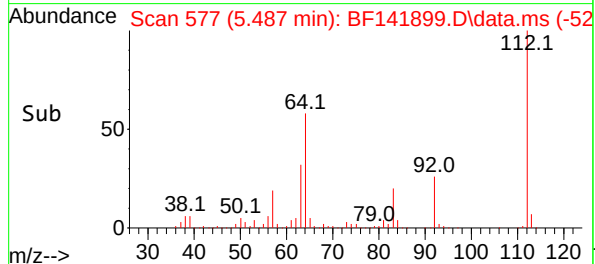
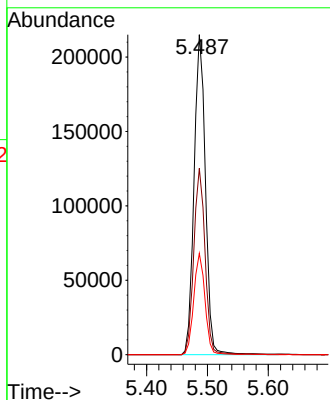
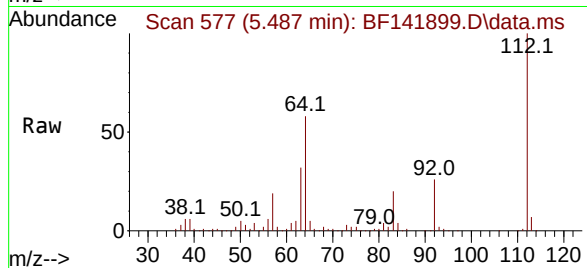




#5
2-Fluorophenol
Concen: 20.746 ng
RT: 5.487 min Scan# 51
Delta R.T. -0.006 min
Lab File: BF141899.D
Acq: 10 Mar 2025 12:00

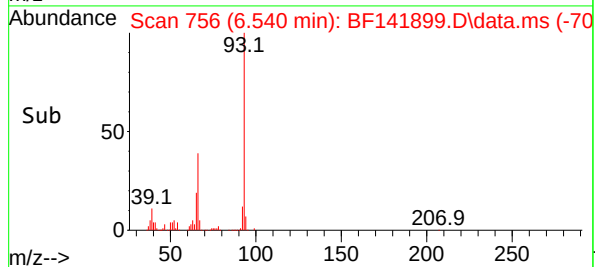
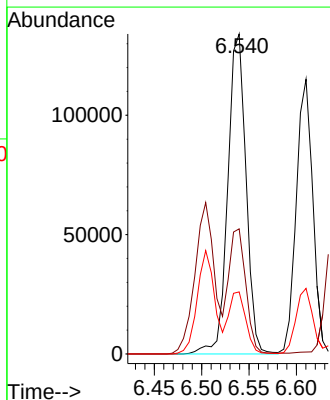
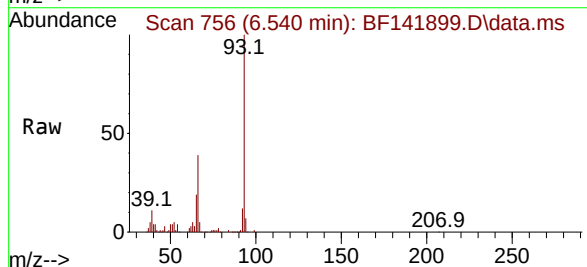
Instrument :
BNA_F
ClientSampleId :
SSTDICC010

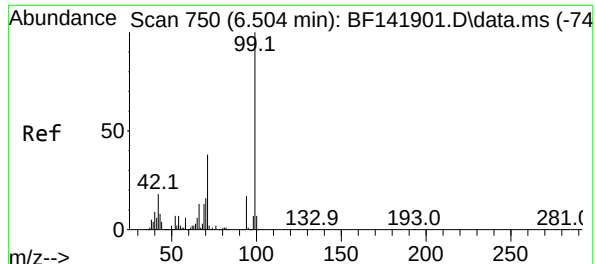
Tgt Ion:112 Resp: 279139
Ion Ratio Lower Upper
112 100
64 58.3 46.5 69.7
63 31.6 25.4 38.2



#6
Aniline
Concen: 10.631 ng
RT: 6.540 min Scan# 756
Delta R.T. -0.006 min
Lab File: BF141899.D
Acq: 10 Mar 2025 12:00

Tgt Ion: 93 Resp: 179854
Ion Ratio Lower Upper
93 100
66 39.1 31.9 47.9
65 19.4 15.8 23.6

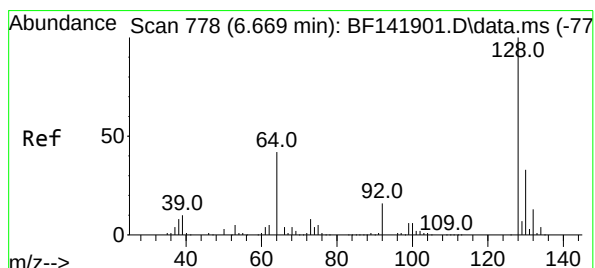
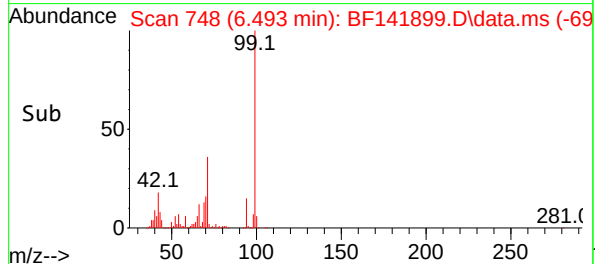
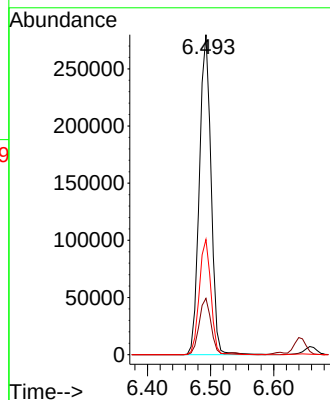
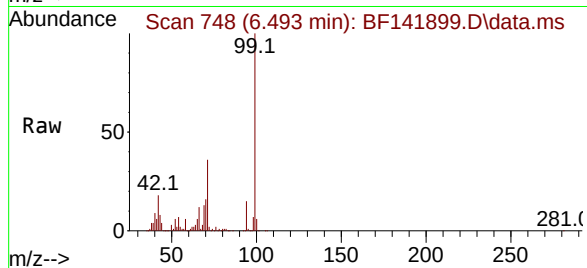




#7
Phenol-d6
Concen: 20.872 ng
RT: 6.493 min Scan# 741
Delta R.T. -0.012 min
Lab File: BF141899.D
Acq: 10 Mar 2025 12:00

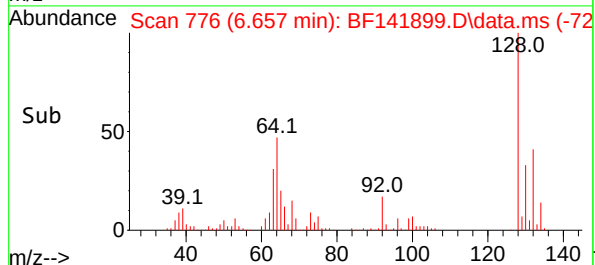
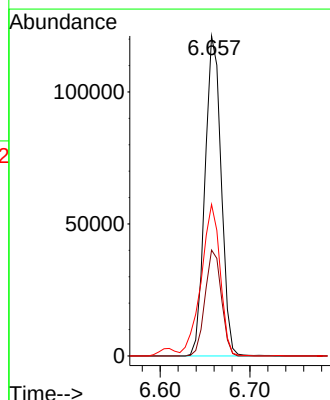
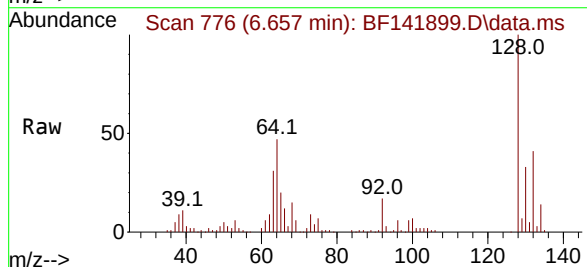
Instrument :
BNA_F
ClientSampleId :
SSTDICC010

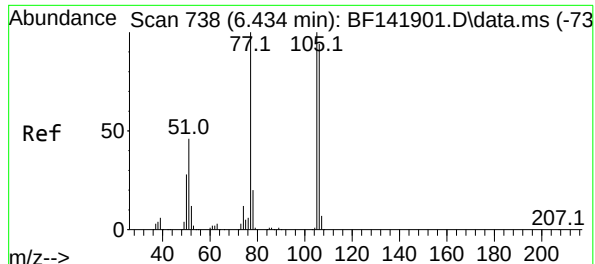
Tgt Ion: 99 Resp: 357672
Ion Ratio Lower Upper
99 100
42 17.6 14.6 21.8
71 36.0 30.8 46.2



#8
2-Chlorophenol
Concen: 10.192 ng
RT: 6.657 min Scan# 776
Delta R.T. -0.012 min
Lab File: BF141899.D
Acq: 10 Mar 2025 12:00

Tgt Ion: 128 Resp: 151998
Ion Ratio Lower Upper
128 100
130 33.1 12.8 52.8
64 47.3 24.4 64.4





#9

Benzaldehyde

Concen: 11.963 ng

RT: 6.428 min Scan# 71

Delta R.T. -0.006 min

Lab File: BF141899.D

Acq: 10 Mar 2025 12:00

Instrument :

BNA_F

ClientSampleId :

SSTDIC010

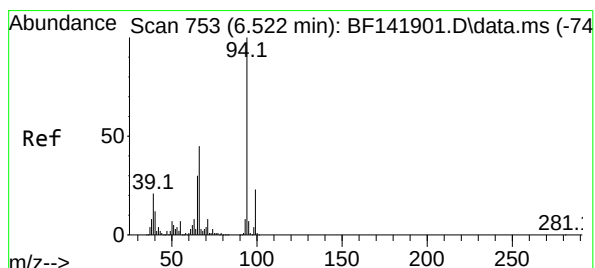
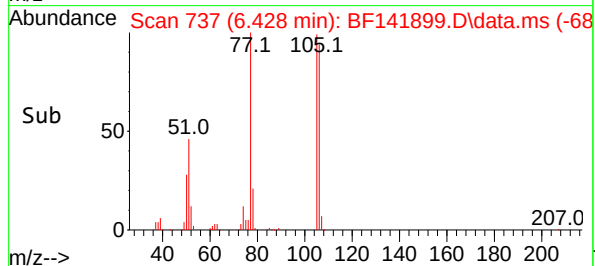
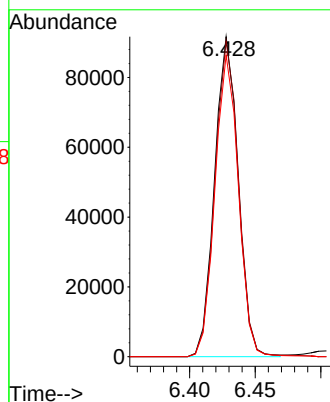
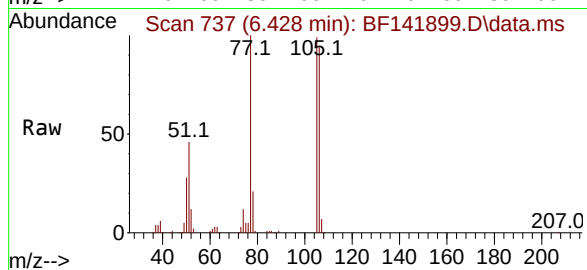
Tgt Ion: 77 Resp: 114586

Ion Ratio Lower Upper

77 100

105 98.6 80.0 120.0

106 94.3 74.5 114.5



#10

Phenol

Concen: 10.396 ng

RT: 6.504 min Scan# 750

Delta R.T. -0.017 min

Lab File: BF141899.D

Acq: 10 Mar 2025 12:00

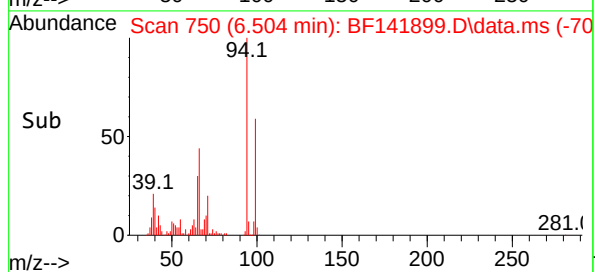
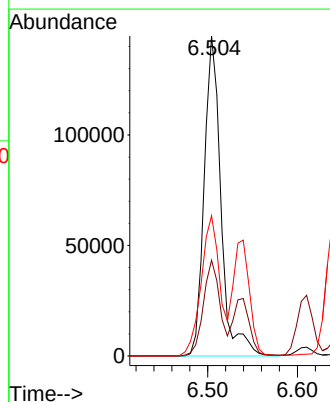
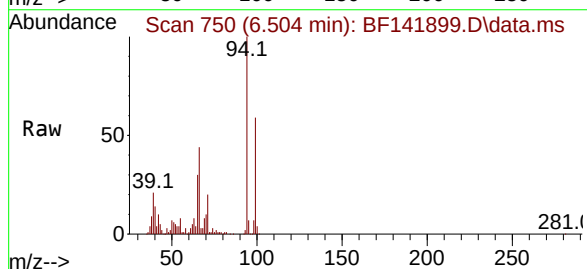
Tgt Ion: 94 Resp: 187967

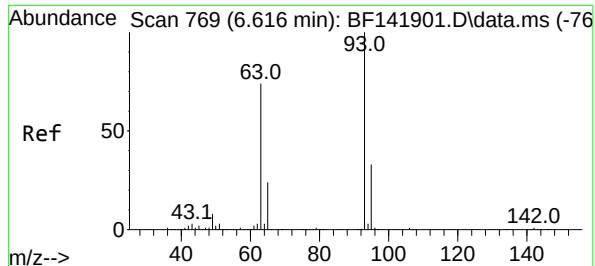
Ion Ratio Lower Upper

94 100

65 29.9 10.5 50.5

66 43.8 25.8 65.8





#11

bis(2-Chloroethyl)ether

Concen: 10.321 ng

RT: 6.610 min Scan# 769

Delta R.T. -0.006 min

Lab File: BF141899.D

Acq: 10 Mar 2025 12:00

Instrument :

BNA_F

ClientSampleId :

SSTDICC010

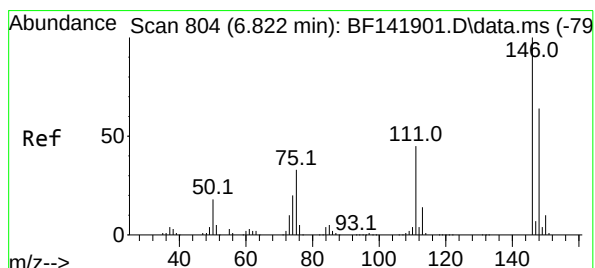
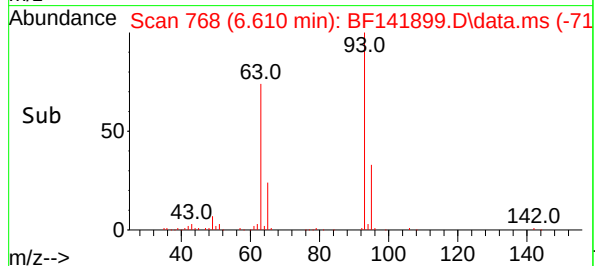
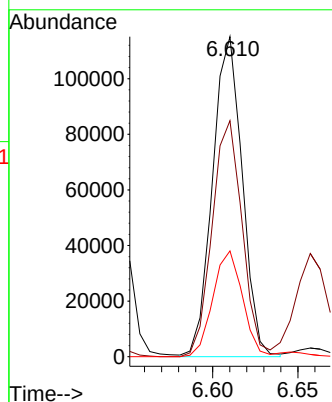
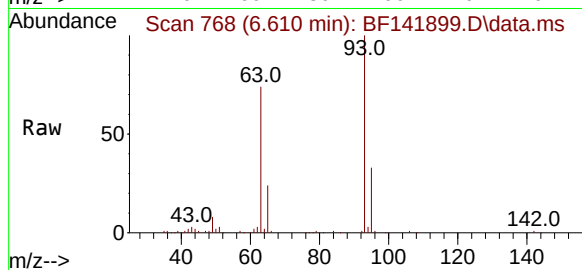
Tgt Ion: 93 Resp: 139813

Ion Ratio Lower Upper

93 100

63 73.7 53.0 93.0

95 33.0 12.9 52.9



#12

1,3-Dichlorobenzene

Concen: 10.374 ng

RT: 6.822 min Scan# 804

Delta R.T. 0.000 min

Lab File: BF141899.D

Acq: 10 Mar 2025 12:00

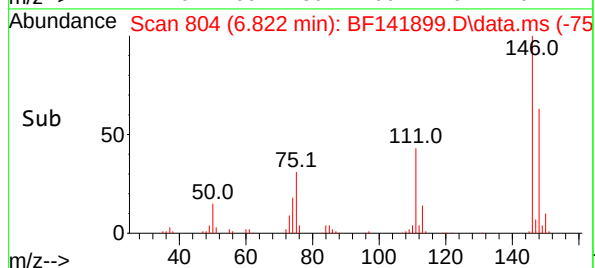
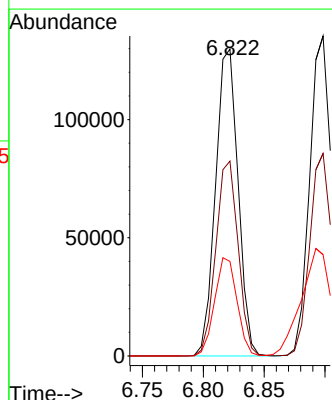
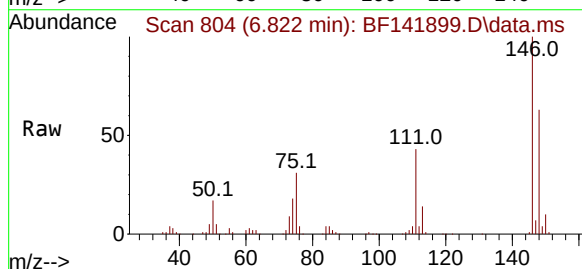
Tgt Ion:146 Resp: 167192

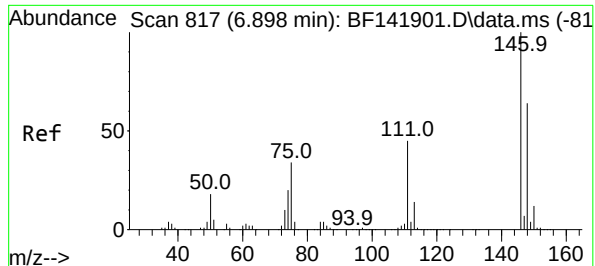
Ion Ratio Lower Upper

146 100

148 63.5 51.3 76.9

75 30.8 26.6 40.0





#13

1,4-Dichlorobenzene

Concen: 10.347 ng

RT: 6.898 min Scan# 81

Delta R.T. 0.000 min

Lab File: BF141899.D

Acq: 10 Mar 2025 12:00

Instrument :

BNA_F

ClientSampleId :

SSTDICC010

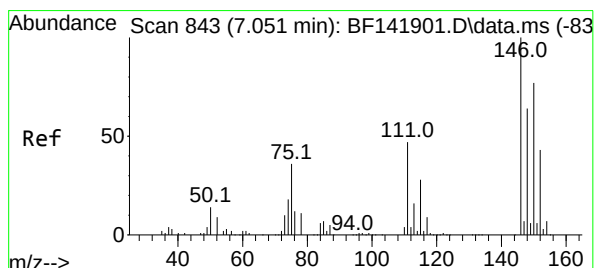
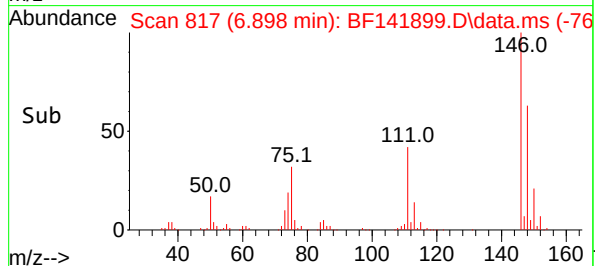
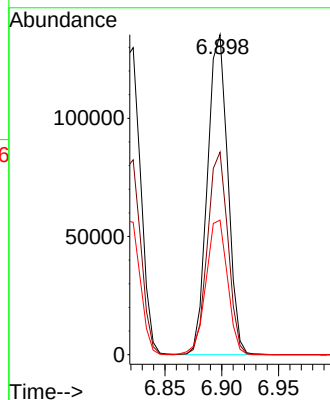
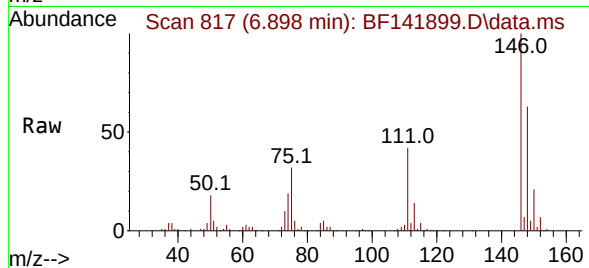
Tgt Ion:146 Resp: 168717

Ion Ratio Lower Upper

146 100

148 63.3 51.0 76.6

111 42.1 35.7 53.5



#14

1,2-Dichlorobenzene

Concen: 10.357 ng

RT: 7.051 min Scan# 843

Delta R.T. 0.000 min

Lab File: BF141899.D

Acq: 10 Mar 2025 12:00

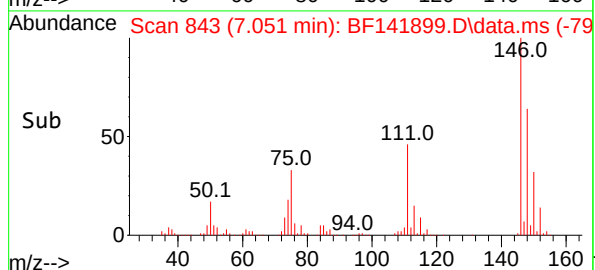
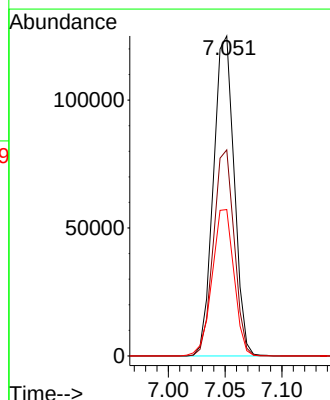
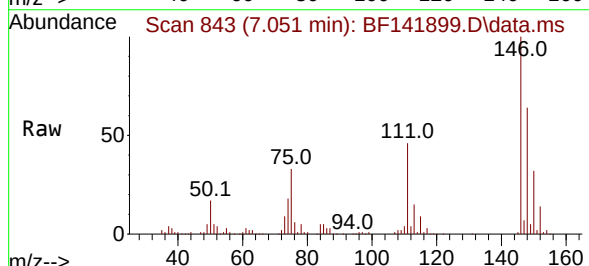
Tgt Ion:146 Resp: 159032

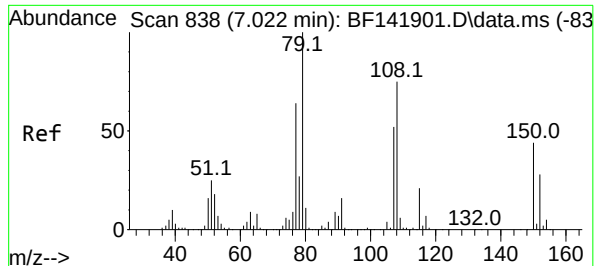
Ion Ratio Lower Upper

146 100

148 64.4 50.8 76.2

111 45.8 38.0 57.0





#15

Benzyl Alcohol

Concen: 10.132 ng

RT: 7.010 min Scan# 81

Delta R.T. -0.012 min

Lab File: BF141899.D

Acq: 10 Mar 2025 12:00

Instrument :

BNA_F

ClientSampleId :

SSTDIC010

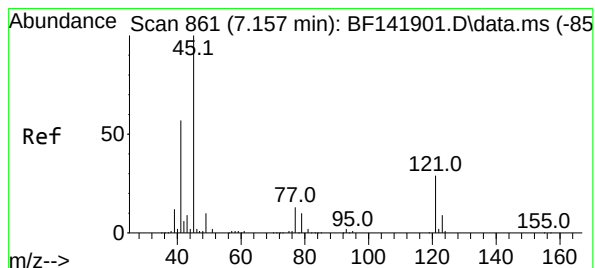
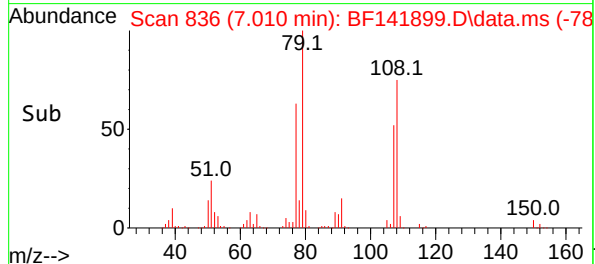
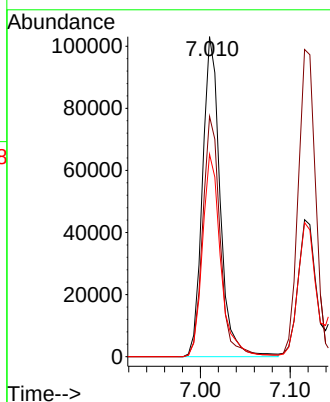
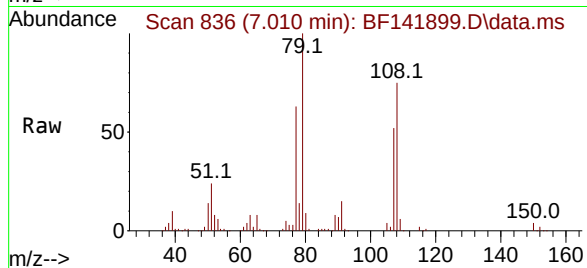
Tgt Ion: 79 Resp: 140530

Ion Ratio Lower Upper

79 100

108 75.1 59.7 89.5

77 63.3 51.0 76.6



#16

2,2'-oxybis(1-Chloropropane)

Concen: 10.487 ng

RT: 7.151 min Scan# 860

Delta R.T. -0.006 min

Lab File: BF141899.D

Acq: 10 Mar 2025 12:00

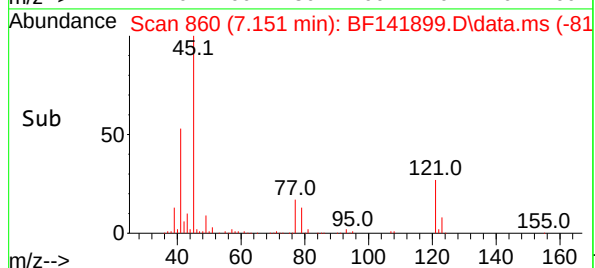
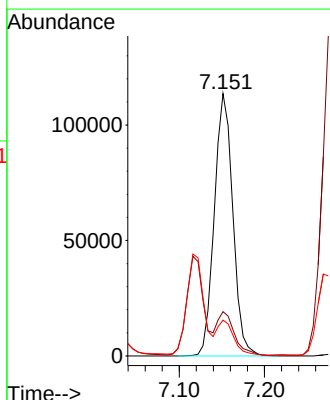
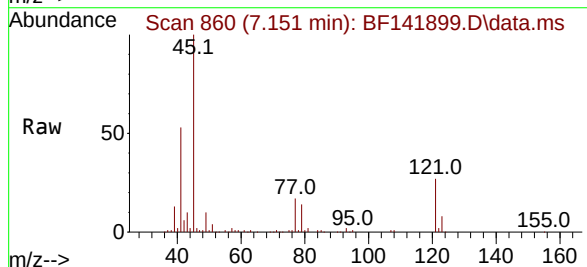
Tgt Ion: 45 Resp: 171225

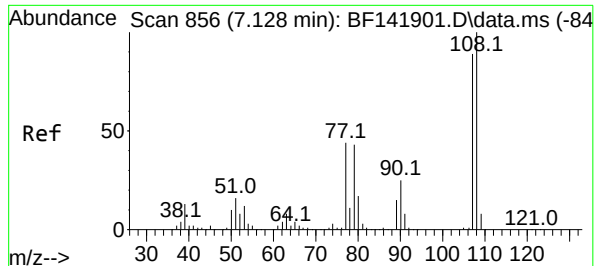
Ion Ratio Lower Upper

45 100

77 16.9 0.0 37.8

79 13.7 0.0 34.2

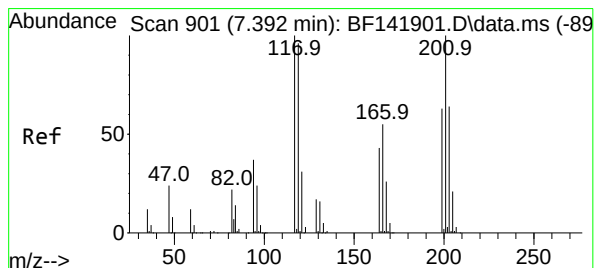
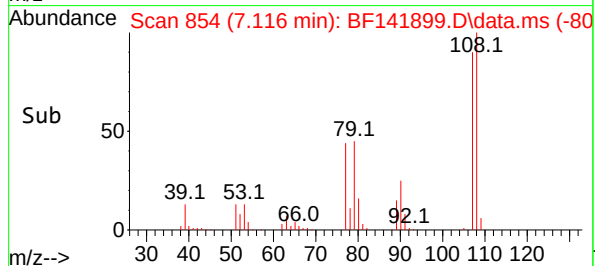
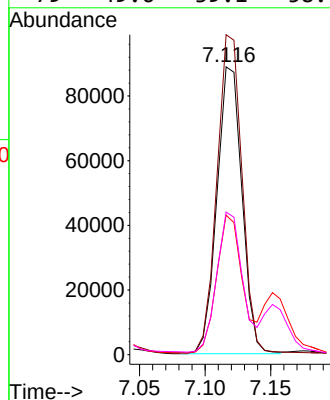
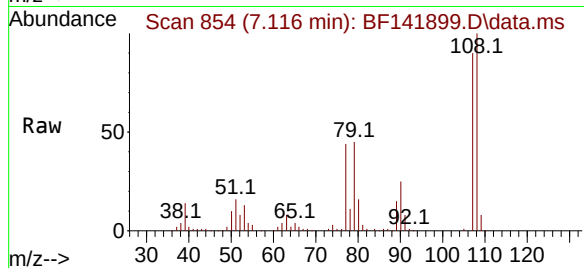




#17
2-Methylphenol
Concen: 9.945 ng
RT: 7.116 min Scan# 856
Delta R.T. -0.012 min
Lab File: BF141899.D
Acq: 10 Mar 2025 12:00

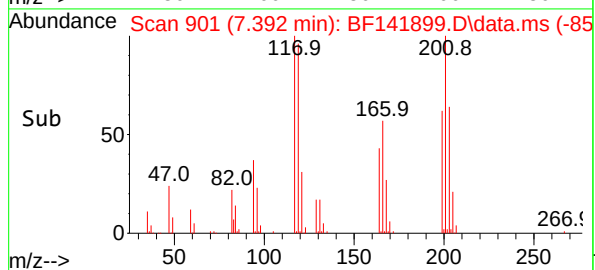
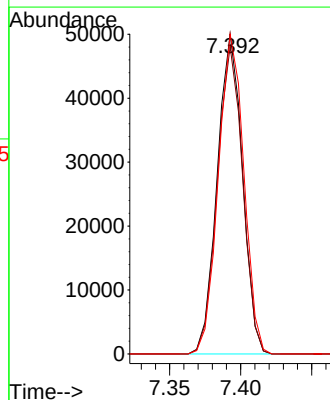
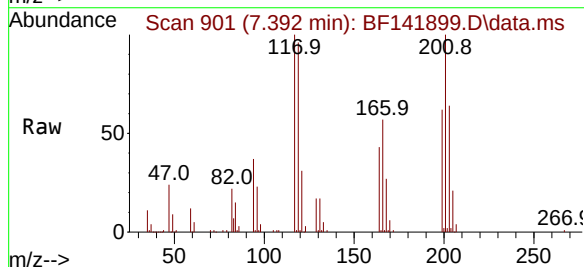
Instrument :
BNA_F
ClientSampleId :
SSTDICC010

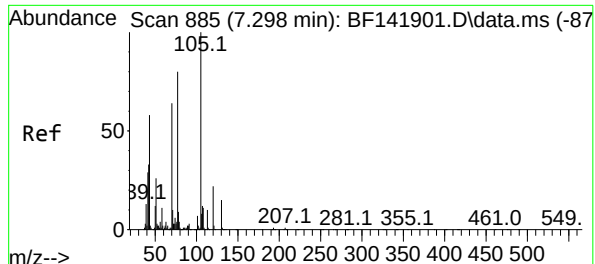
Tgt Ion:107 Resp: 117869
Ion Ratio Lower Upper
107 100
108 111.2 90.2 135.2
77 48.5 39.6 59.4
79 49.6 39.1 58.7



#18
Hexachloroethane
Concen: 10.111 ng
RT: 7.392 min Scan# 901
Delta R.T. 0.000 min
Lab File: BF141899.D
Acq: 10 Mar 2025 12:00

Tgt Ion:117 Resp: 61809
Ion Ratio Lower Upper
117 100
119 96.1 76.9 115.3
201 99.9 79.9 119.9

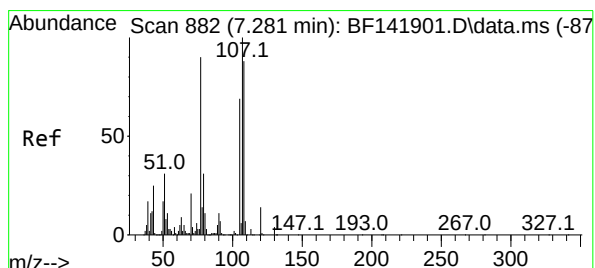
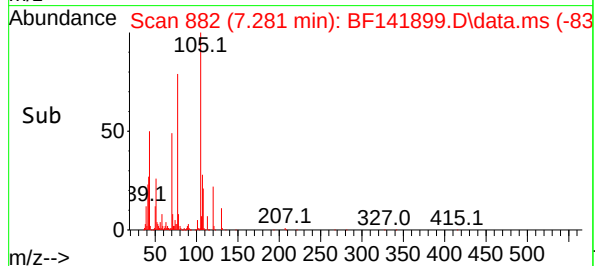
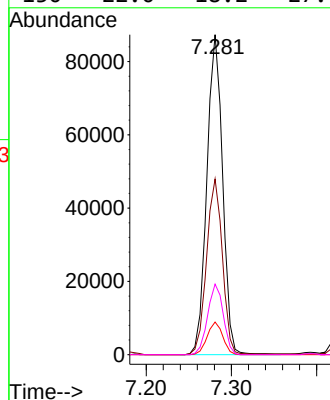
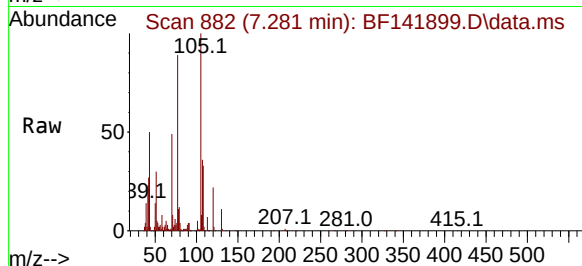




#19
n-Nitroso-di-n-propylamine
Concen: 10.194 ng
RT: 7.281 min Scan# 81
Delta R.T. -0.018 min
Lab File: BF141899.D
Acq: 10 Mar 2025 12:00

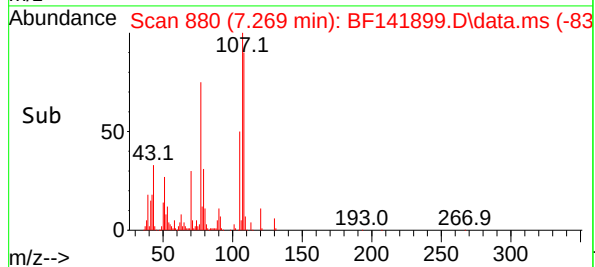
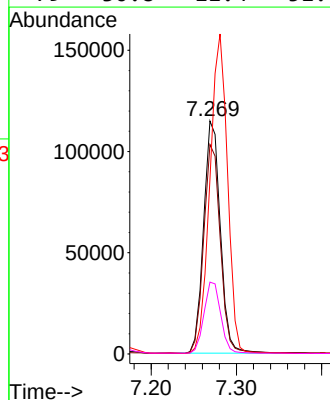
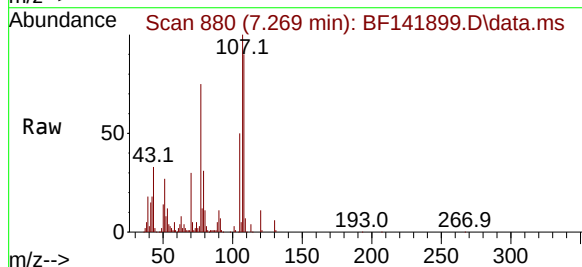
Instrument :
BNA_F
ClientSampleId :
SSTDICC010

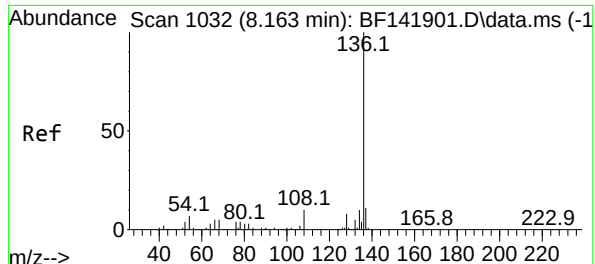
Tgt Ion: 70 Resp: 112281
Ion Ratio Lower Upper
70 100
42 54.9 41.4 62.0
101 10.2 8.2 12.2
130 22.0 18.2 27.4



#20
3+4-Methylphenols
Concen: 10.296 ng
RT: 7.269 min Scan# 880
Delta R.T. -0.012 min
Lab File: BF141899.D
Acq: 10 Mar 2025 12:00

Tgt Ion: 107 Resp: 156526
Ion Ratio Lower Upper
107 100
108 89.9 68.4 108.4
77 75.0 69.7 109.7
79 30.8 11.4 51.4





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.163 min Scan# 1032

Delta R.T. 0.000 min

Lab File: BF141899.D

Acq: 10 Mar 2025 12:00

Instrument :

BNA_F

ClientSampleId :

SSTDICC010

Tgt Ion:136 Resp: 921725

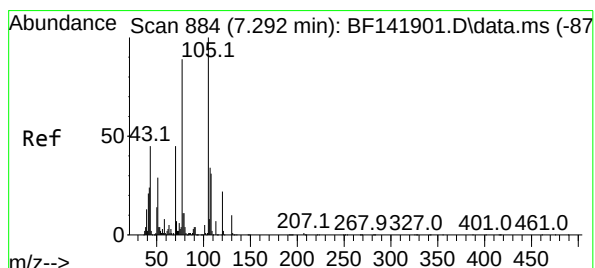
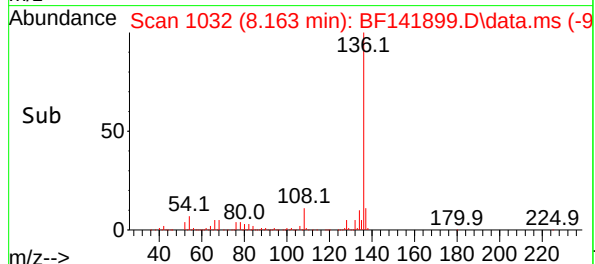
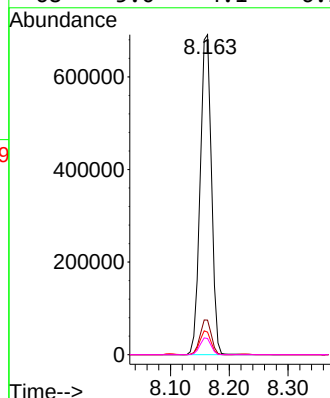
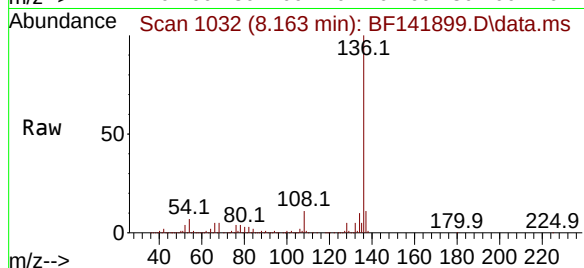
Ion Ratio Lower Upper

136 100

137 10.8 8.8 13.2

54 7.0 5.8 8.8

68 5.0 4.1 6.1



#22

Acetophenone

Concen: 10.282 ng

RT: 7.281 min Scan# 882

Delta R.T. -0.012 min

Lab File: BF141899.D

Acq: 10 Mar 2025 12:00

Tgt Ion:105 Resp: 227350

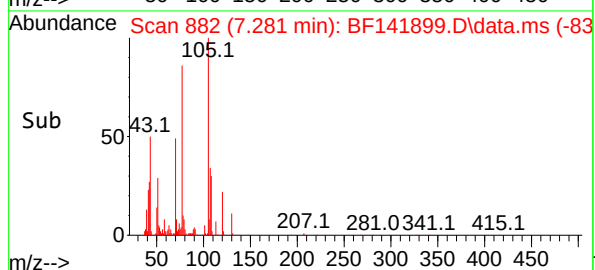
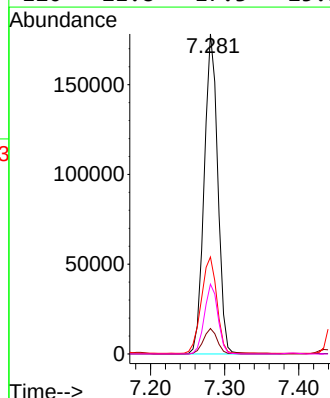
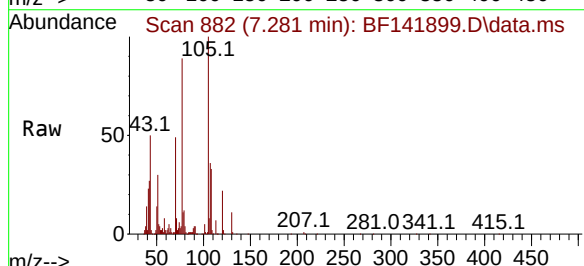
Ion Ratio Lower Upper

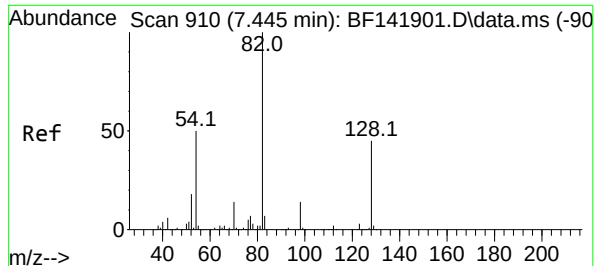
105 100

71 8.0 5.8 8.8

51 30.3 23.4 35.0

120 21.8 17.3 25.9





#23

Nitrobenzene-d5

Concen: 19.951 ng

RT: 7.434 min Scan# 90

Delta R.T. -0.012 min

Lab File: BF141899.D

Acq: 10 Mar 2025 12:00

Instrument :

BNA_F

ClientSampleId :

SSTDICC010

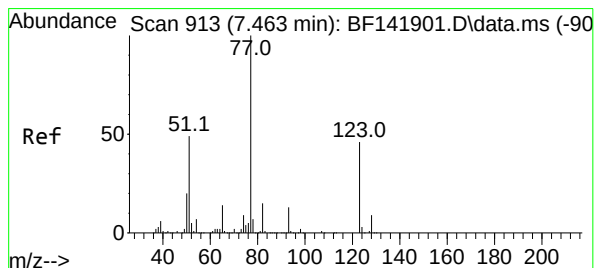
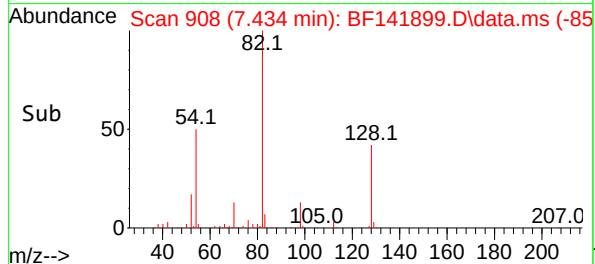
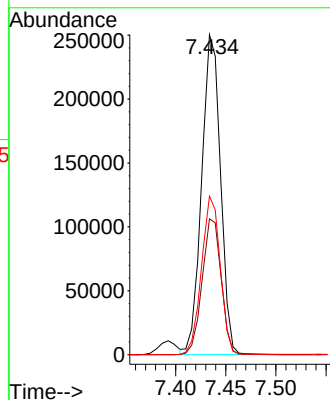
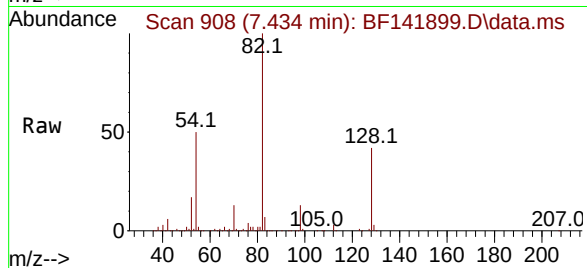
Tgt Ion: 82 Resp: 328098

Ion Ratio Lower Upper

82 100

128 42.5 36.0 54.0

54 49.6 39.6 59.4



#24

Nitrobenzene

Concen: 9.922 ng

RT: 7.457 min Scan# 912

Delta R.T. -0.006 min

Lab File: BF141899.D

Acq: 10 Mar 2025 12:00

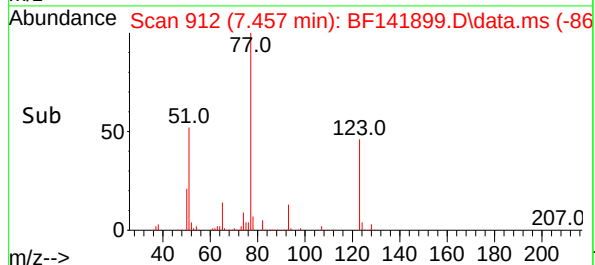
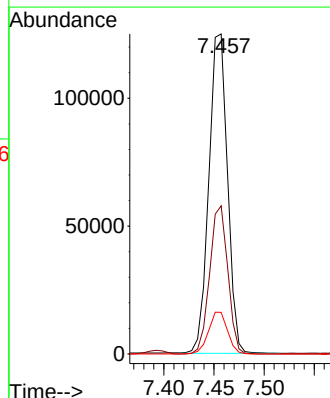
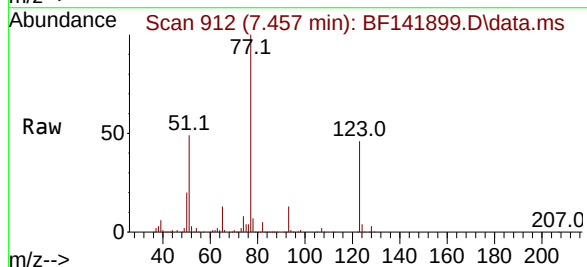
Tgt Ion: 77 Resp: 161777

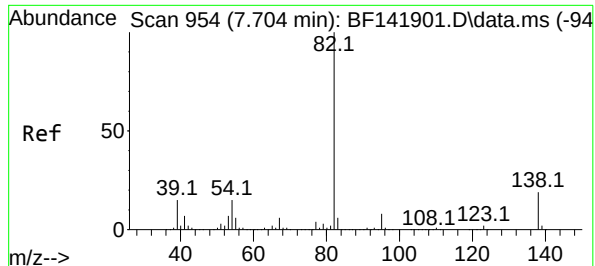
Ion Ratio Lower Upper

77 100

123 46.3 37.0 55.4

65 13.0 11.3 16.9

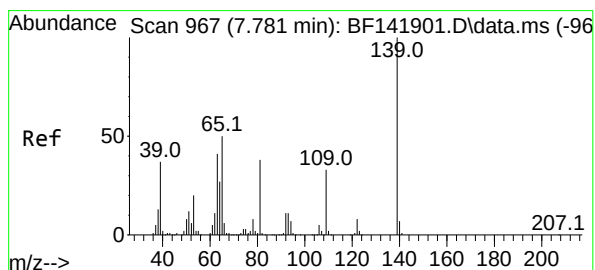
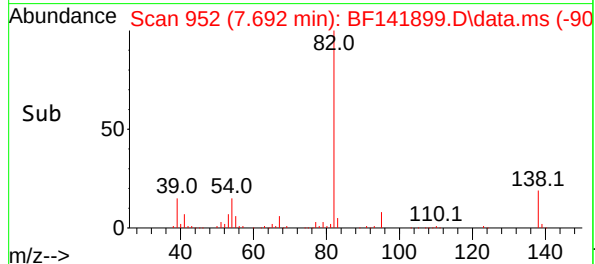
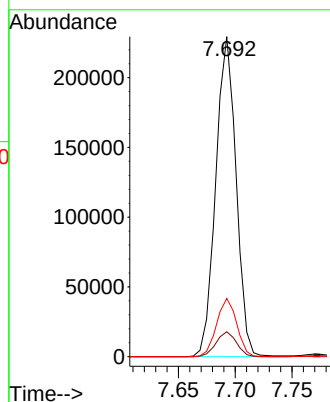
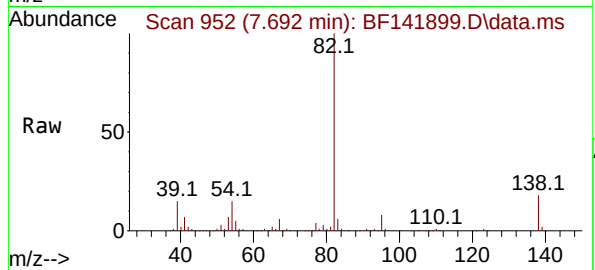




#25
Isophorone
Concen: 9.842 ng
RT: 7.692 min Scan# 91
Delta R.T. -0.012 min
Lab File: BF141899.D
Acq: 10 Mar 2025 12:00

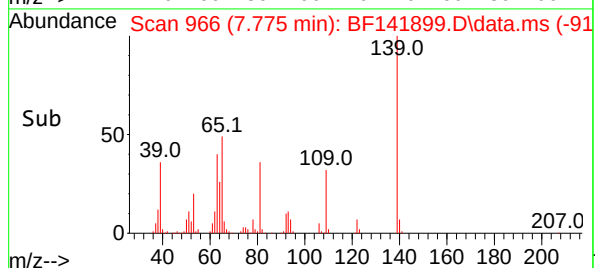
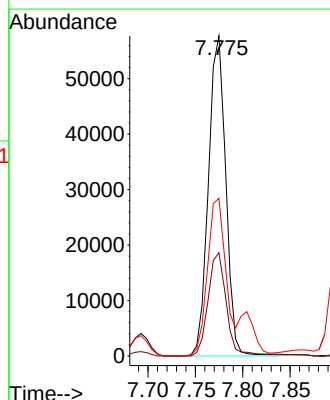
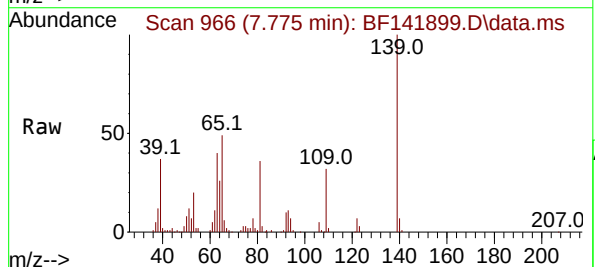
Instrument :
BNA_F
ClientSampleId :
SSTDICC010

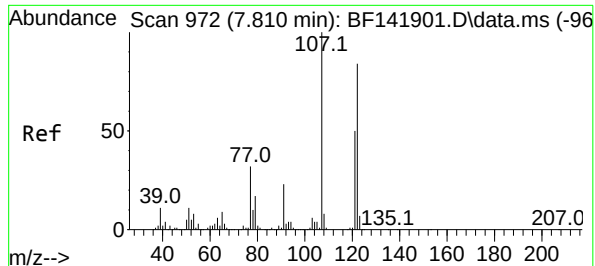
Tgt Ion: 82 Resp: 285760
Ion Ratio Lower Upper
82 100
95 7.8 6.4 9.6
138 18.2 14.9 22.3



#26
2-Nitrophenol
Concen: 9.174 ng
RT: 7.775 min Scan# 966
Delta R.T. -0.006 min
Lab File: BF141899.D
Acq: 10 Mar 2025 12:00

Tgt Ion: 139 Resp: 73301
Ion Ratio Lower Upper
139 100
109 32.2 26.5 39.7
65 49.3 40.3 60.5





#27

2,4-Dimethylphenol

Concen: 9.784 ng

RT: 7.804 min Scan# 91

Delta R.T. -0.006 min

Lab File: BF141899.D

Acq: 10 Mar 2025 12:00

Instrument :

BNA_F

ClientSampleId :

SSTDICC010

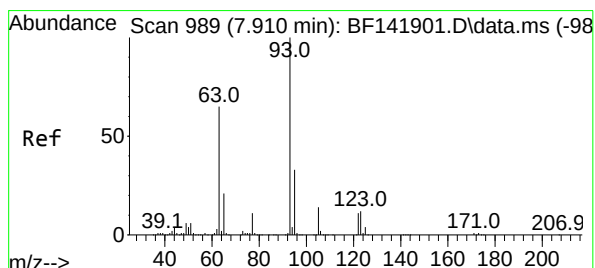
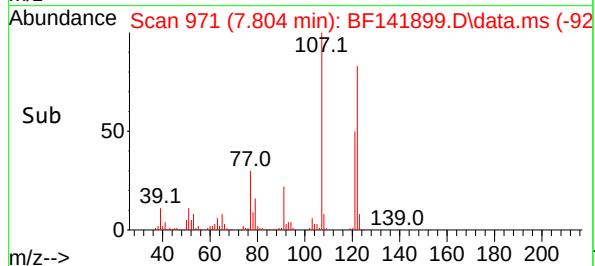
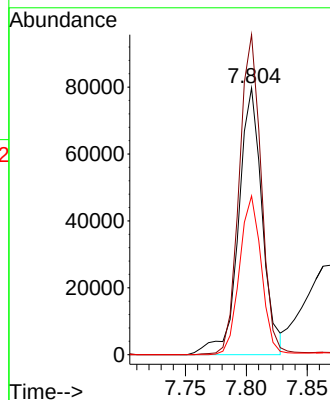
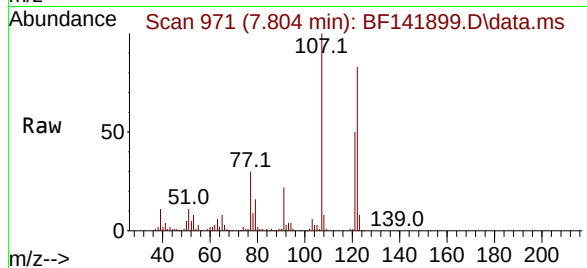
Tgt Ion:122 Resp: 107669

Ion Ratio Lower Upper

122 100

107 120.0 94.8 142.2

121 59.5 47.8 71.6



#28

bis(2-Chloroethoxy)methane

Concen: 10.298 ng

RT: 7.904 min Scan# 988

Delta R.T. -0.006 min

Lab File: BF141899.D

Acq: 10 Mar 2025 12:00

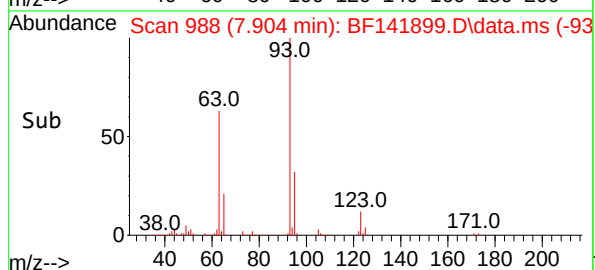
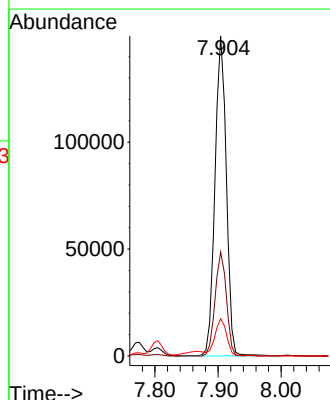
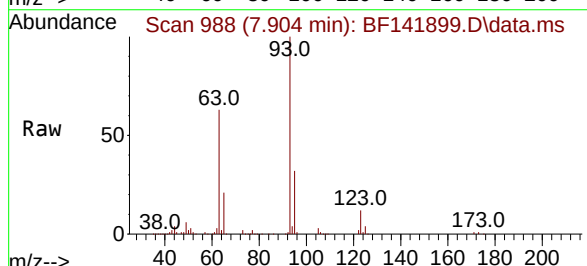
Tgt Ion: 93 Resp: 187307

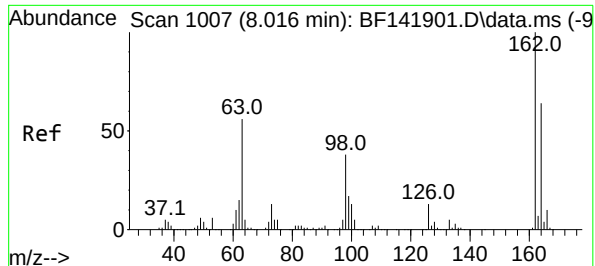
Ion Ratio Lower Upper

93 100

95 32.5 26.6 40.0

123 11.6 10.2 15.4





#29

2,4-Dichlorophenol

Concen: 9.941 ng

RT: 8.010 min Scan# 1006

Delta R.T. -0.006 min

Lab File: BF141899.D

Acq: 10 Mar 2025 12:00

Instrument :

BNA_F

ClientSampleId :

SSTDIC010

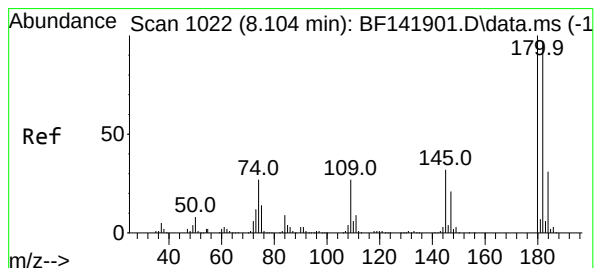
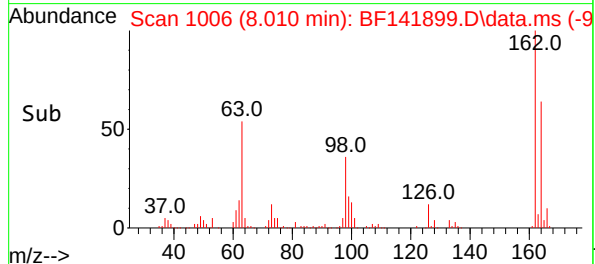
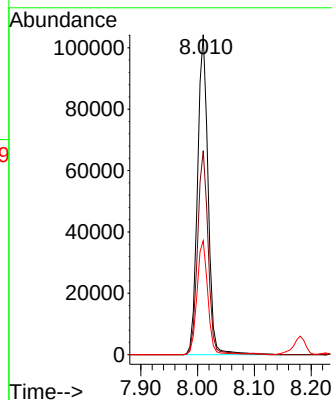
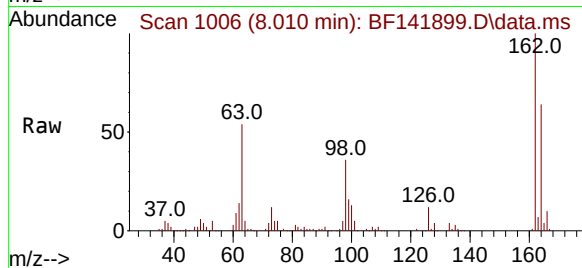
Tgt Ion:162 Resp: 135772

Ion Ratio Lower Upper

162 100

164 63.7 43.8 83.8

98 35.6 18.1 58.1



#30

1,2,4-Trichlorobenzene

Concen: 9.941 ng

RT: 8.098 min Scan# 1021

Delta R.T. -0.006 min

Lab File: BF141899.D

Acq: 10 Mar 2025 12:00

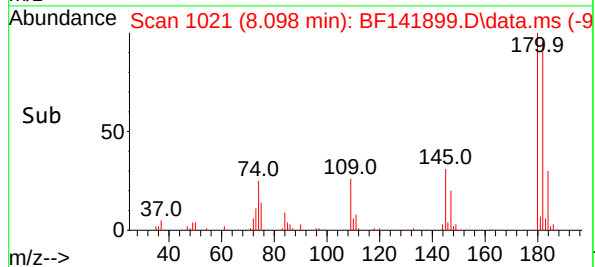
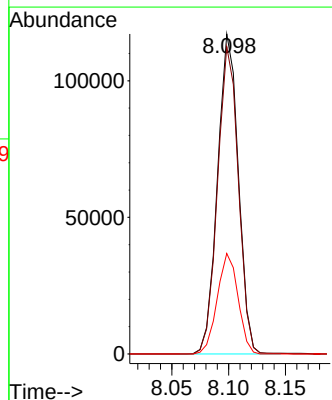
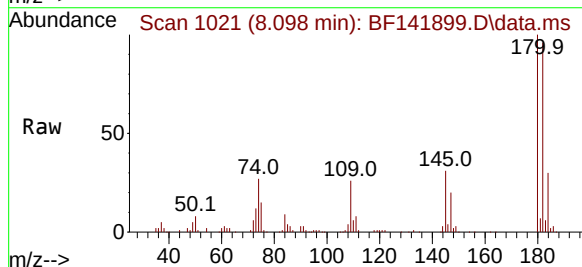
Tgt Ion:180 Resp: 149790

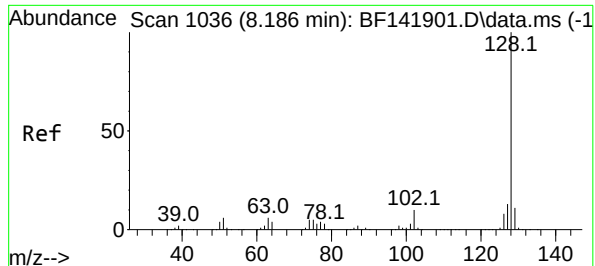
Ion Ratio Lower Upper

180 100

182 96.1 77.5 116.3

145 31.4 25.8 38.6

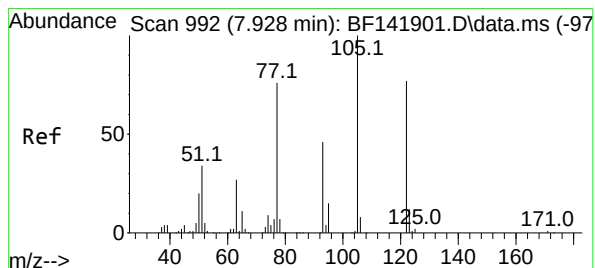
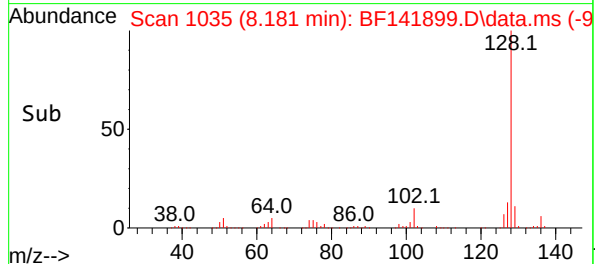
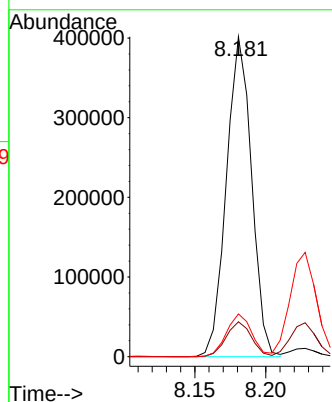
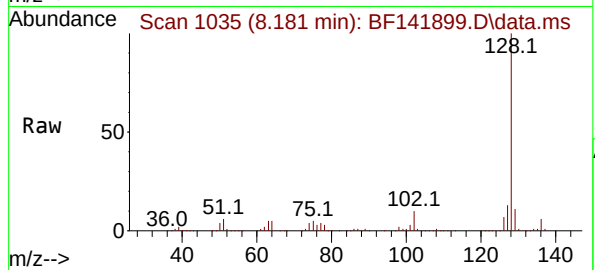




#31
Naphthalene
Concen: 10.493 ng
RT: 8.181 min Scan# 1035
Delta R.T. -0.006 min
Lab File: BF141899.D
Acq: 10 Mar 2025 12:00

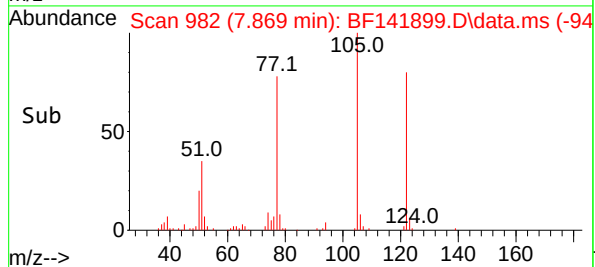
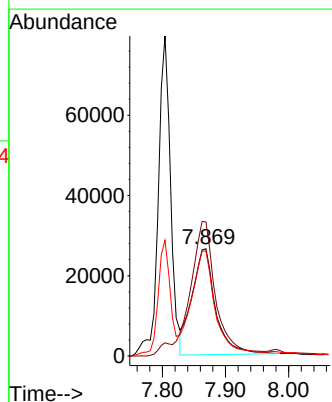
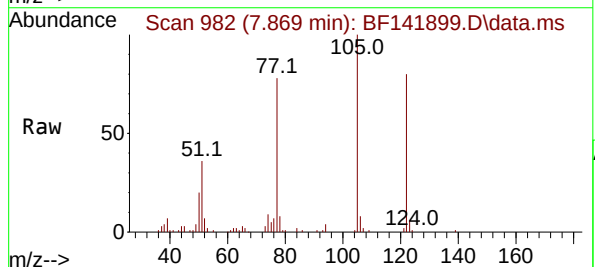
Instrument :
BNA_F
ClientSampleId :
SSTDICC010

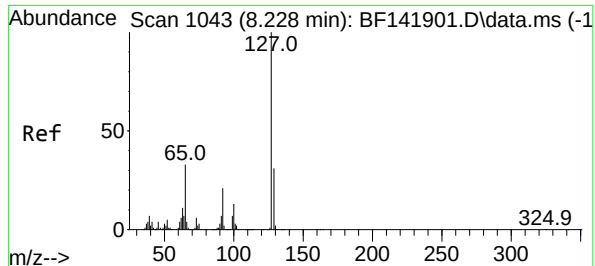
Tgt Ion:128 Resp: 495470
Ion Ratio Lower Upper
128 100
129 10.9 9.0 13.6
127 13.4 10.8 16.2



#32
Benzoic acid
Concen: 7.136 ng
RT: 7.869 min Scan# 982
Delta R.T. -0.059 min
Lab File: BF141899.D
Acq: 10 Mar 2025 12:00

Tgt Ion:122 Resp: 68640
Ion Ratio Lower Upper
122 100
105 124.8 107.9 147.9
77 97.8 79.0 119.0

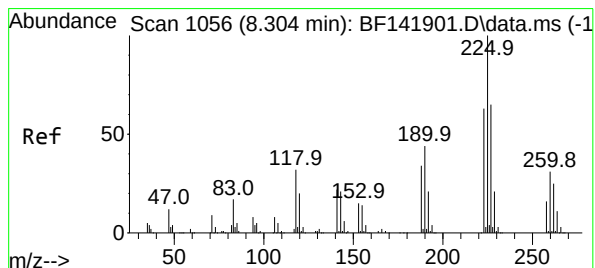
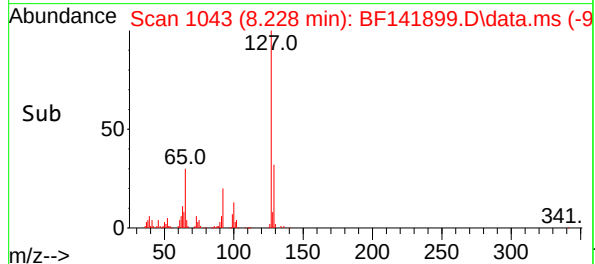
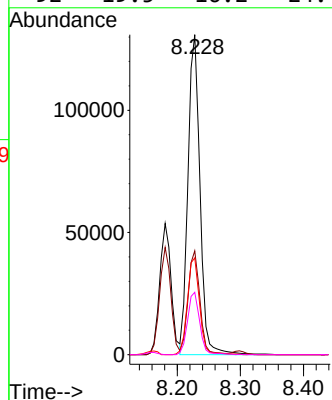
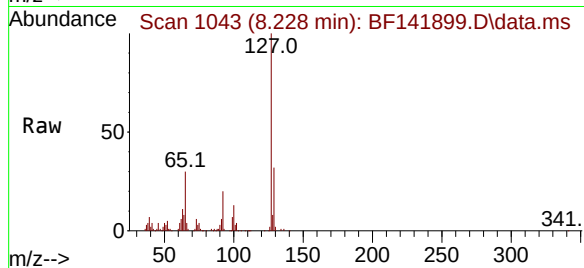




#33
4-Chloroaniline
Concen: 10.441 ng
RT: 8.228 min Scan# 1043
Delta R.T. 0.000 min
Lab File: BF141899.D
Acq: 10 Mar 2025 12:00

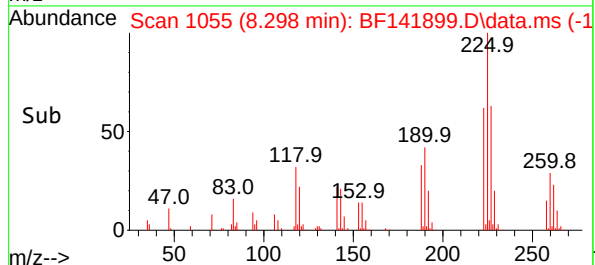
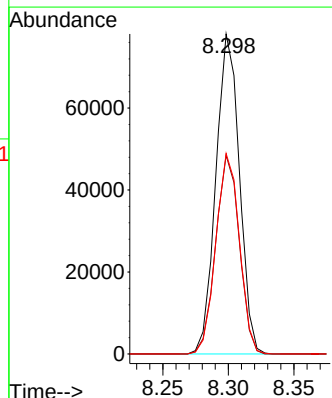
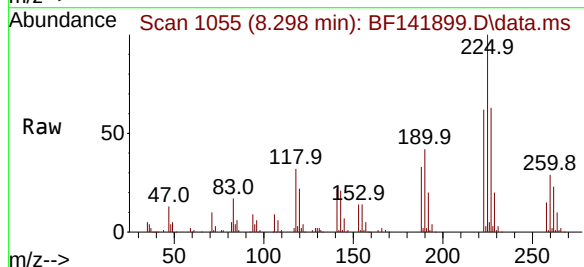
Instrument :
BNA_F
ClientSampleId :
SSTDICC010

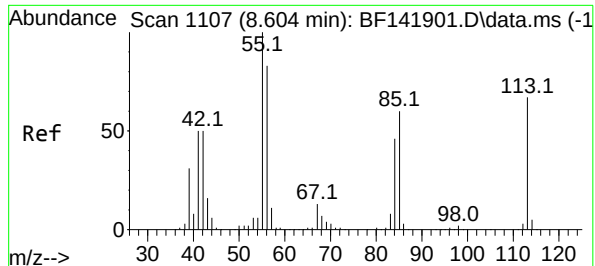
Tgt Ion:	127	Resp:	173977
Ion	Ratio	Lower	Upper
127	100		
129	32.5	26.2	39.4
65	30.3	25.4	38.2
92	19.5	16.2	24.4



#34
Hexachlorobutadiene
Concen: 9.931 ng
RT: 8.298 min Scan# 1055
Delta R.T. -0.006 min
Lab File: BF141899.D
Acq: 10 Mar 2025 12:00

Tgt Ion:	225	Resp:	97298
Ion	Ratio	Lower	Upper
225	100		
223	62.0	50.6	75.8
227	62.7	52.2	78.2

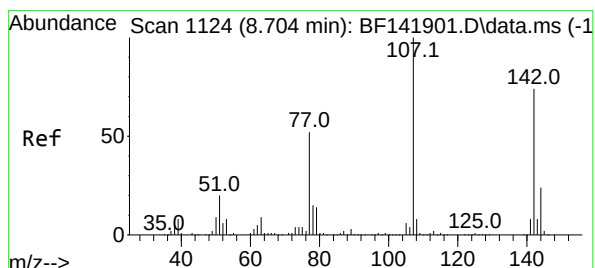
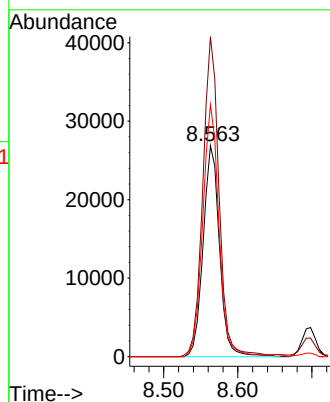
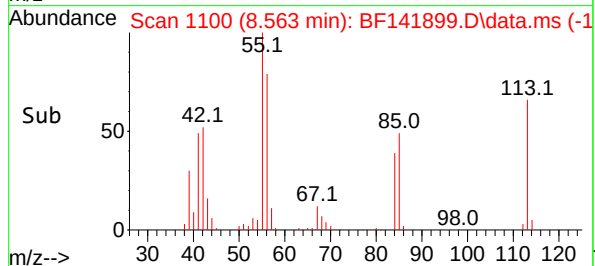
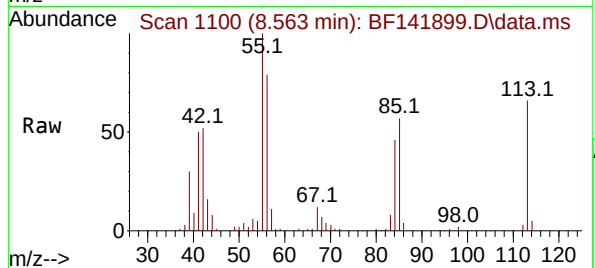




#35
Caprolactam
Concen: 9.922 ng
RT: 8.563 min Scan# 1107
Delta R.T. -0.041 min
Lab File: BF141899.D
Acq: 10 Mar 2025 12:00

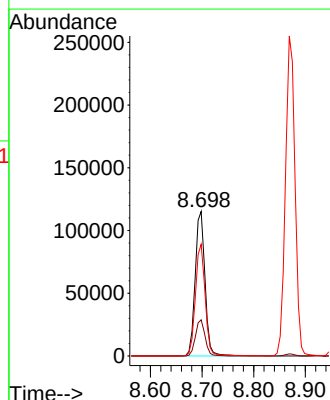
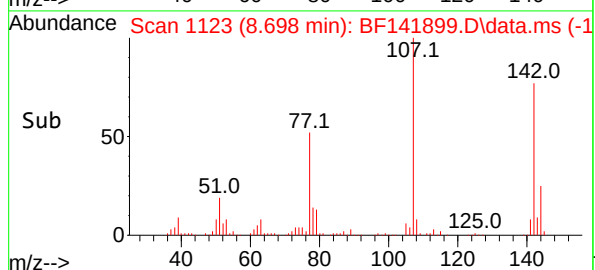
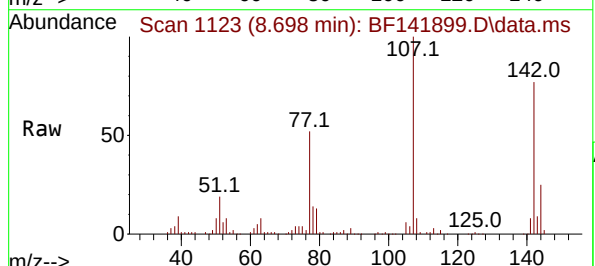
Instrument :
BNA_F
ClientSampleId :
SSTDICC010

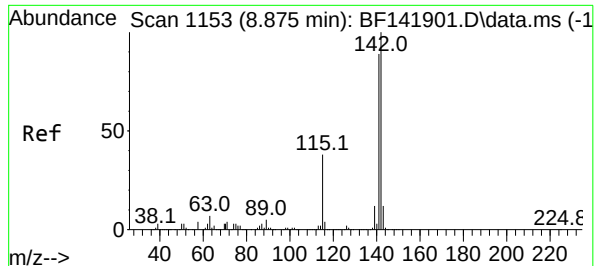
Tgt Ion:113 Resp: 41208
Ion Ratio Lower Upper
113 100
55 151.6 129.6 169.6
56 119.3 104.0 144.0



#36
4-Chloro-3-methylphenol
Concen: 10.029 ng
RT: 8.698 min Scan# 1123
Delta R.T. -0.006 min
Lab File: BF141899.D
Acq: 10 Mar 2025 12:00

Tgt Ion:107 Resp: 152340
Ion Ratio Lower Upper
107 100
144 25.1 19.0 28.6
142 77.3 59.2 88.8

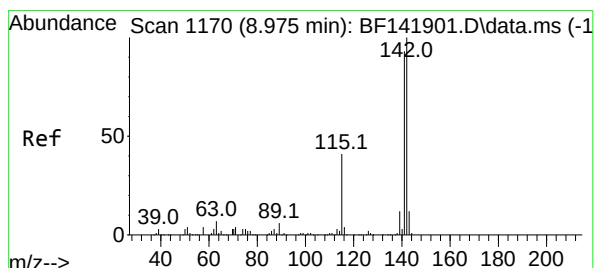
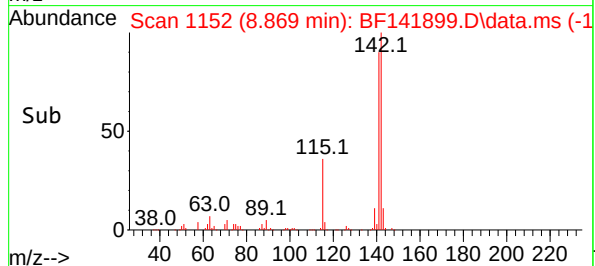
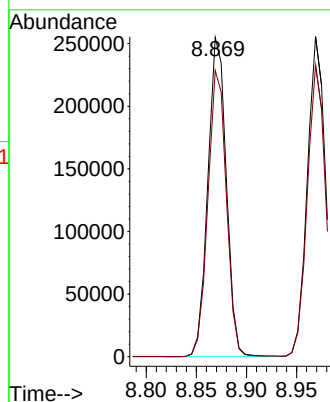
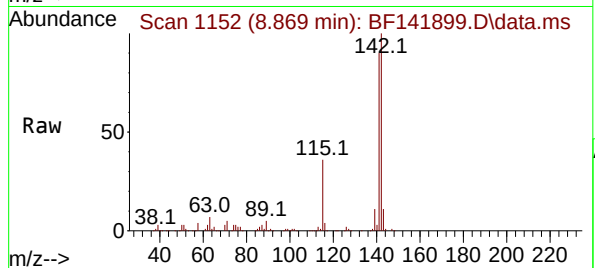




#37
2-Methylnaphthalene
Concen: 10.313 ng
RT: 8.869 min Scan# 1152
Delta R.T. -0.006 min
Lab File: BF141899.D
Acq: 10 Mar 2025 12:00

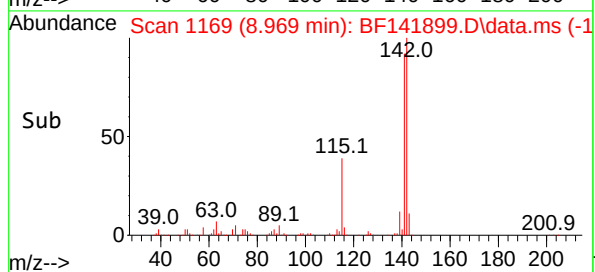
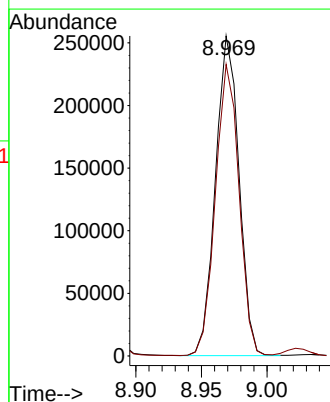
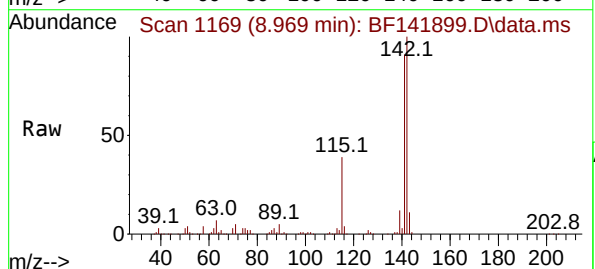
Instrument :
BNA_F
ClientSampleId :
SSTDICC010

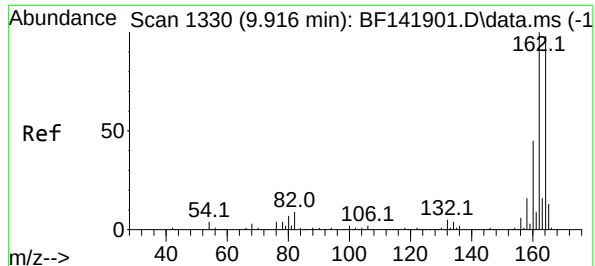
Tgt Ion:142 Resp: 326733
Ion Ratio Lower Upper
142 100
141 89.6 71.2 106.8



#38
1-Methylnaphthalene
Concen: 10.376 ng
RT: 8.969 min Scan# 1169
Delta R.T. -0.006 min
Lab File: BF141899.D
Acq: 10 Mar 2025 12:00

Tgt Ion:142 Resp: 318324
Ion Ratio Lower Upper
142 100
141 91.1 74.2 111.4





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.916 min Scan# 1180

Delta R.T. -0.000 min

Lab File: BF141899.D

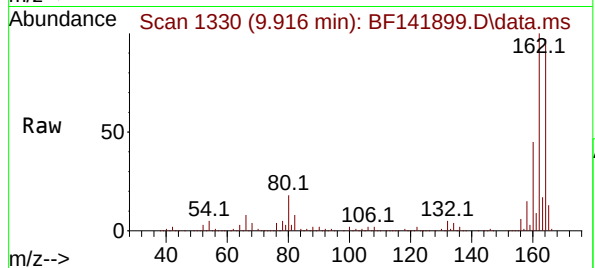
Acq: 10 Mar 2025 12:00

Instrument :

BNA_F

ClientSampleId :

SSTDICC010



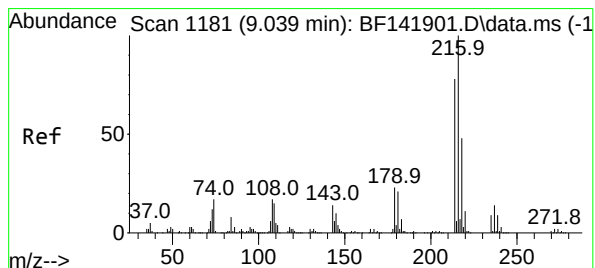
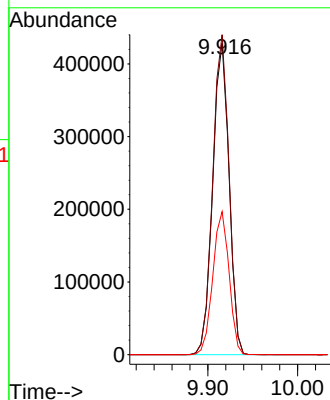
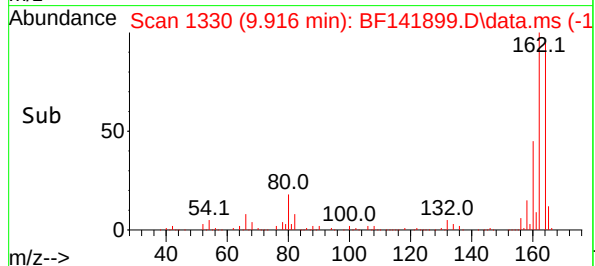
Tgt Ion:164 Resp: 541295

Ion Ratio Lower Upper

164 100

162 102.7 81.8 122.6

160 45.9 36.7 55.1



#40

1,2,4,5-Tetrachlorobenzene

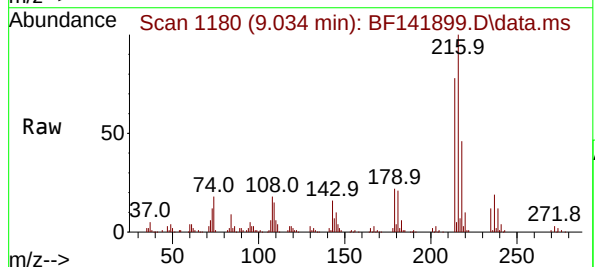
Concen: 9.905 ng

RT: 9.034 min Scan# 1180

Delta R.T. -0.006 min

Lab File: BF141899.D

Acq: 10 Mar 2025 12:00



Tgt Ion:216 Resp: 163481

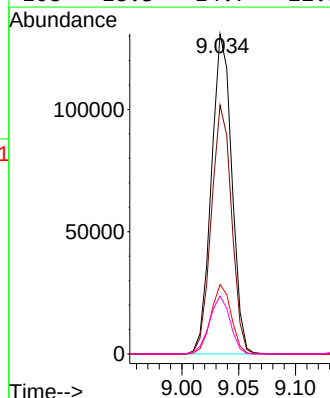
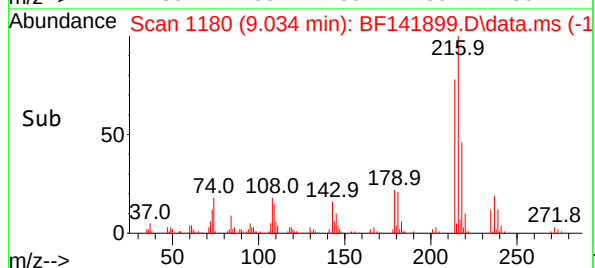
Ion Ratio Lower Upper

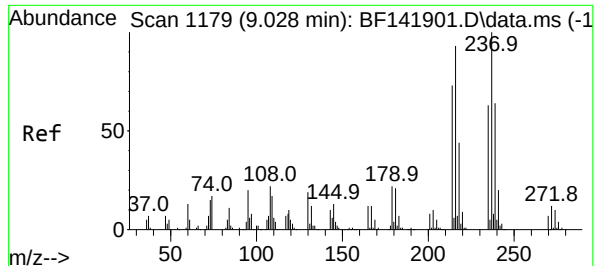
216 100

214 77.1 61.9 92.9

179 21.5 18.1 27.1

108 18.3 14.7 22.1





#41

Hexachlorocyclopentadiene

Concen: 9.177 ng

RT: 9.022 min Scan# 1179

Delta R.T. -0.006 min

Lab File: BF141899.D

Acq: 10 Mar 2025 12:00

Instrument :

BNA_F

ClientSampleId :

SSTDICC010

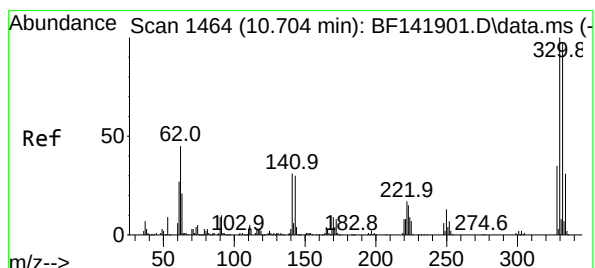
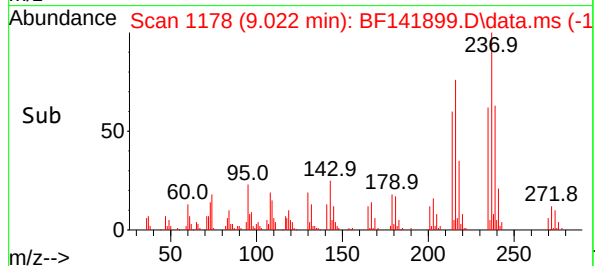
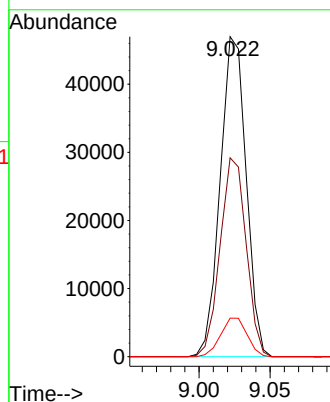
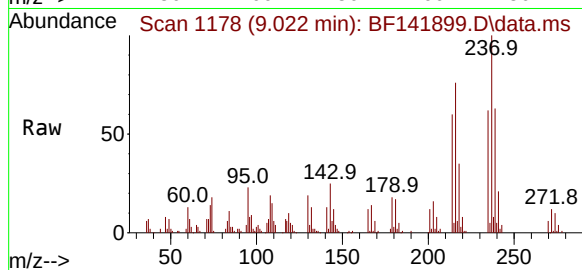
Tgt Ion:237 Resp: 59769

Ion Ratio Lower Upper

237 100

235 62.1 43.1 83.1

272 12.0 0.0 32.0



#42

2,4,6-Tribromophenol

Concen: 18.630 ng

RT: 10.698 min Scan# 1463

Delta R.T. -0.006 min

Lab File: BF141899.D

Acq: 10 Mar 2025 12:00

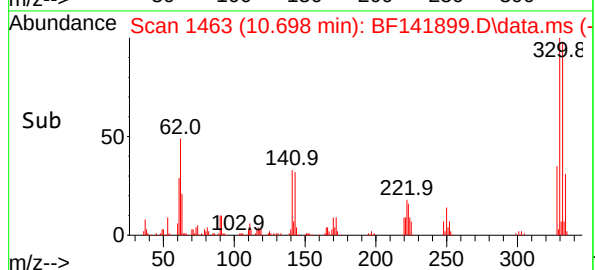
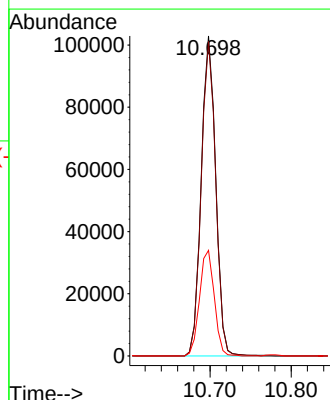
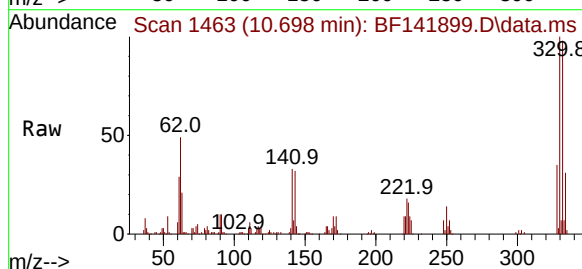
Tgt Ion:330 Resp: 127785

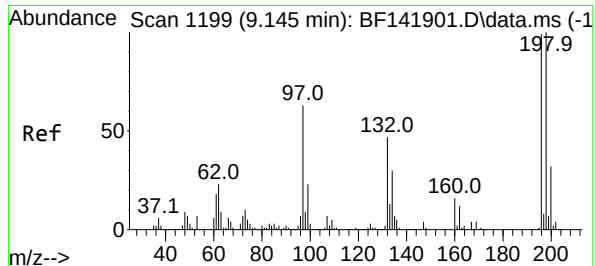
Ion Ratio Lower Upper

330 100

332 97.8 77.6 116.4

141 33.6 24.7 37.1





#43

2,4,6-Trichlorophenol

Concen: 9.777 ng

RT: 9.145 min Scan# 1199

Delta R.T. 0.000 min

Lab File: BF141899.D

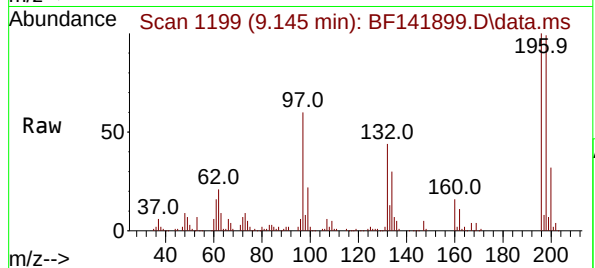
Acq: 10 Mar 2025 12:00

Instrument :

BNA_F

ClientSampleId :

SSTDICC010



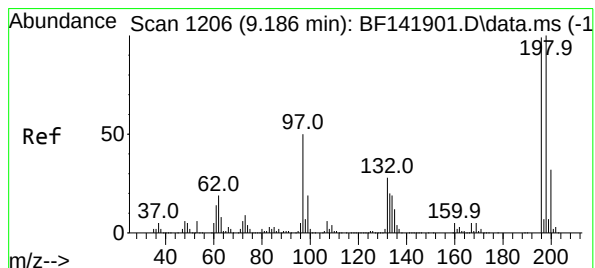
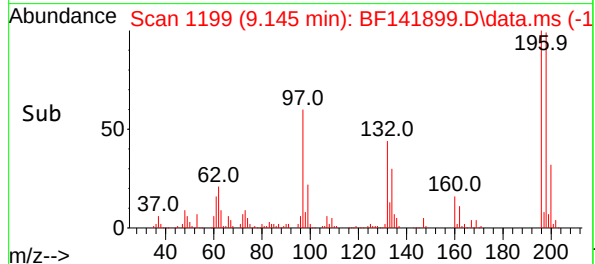
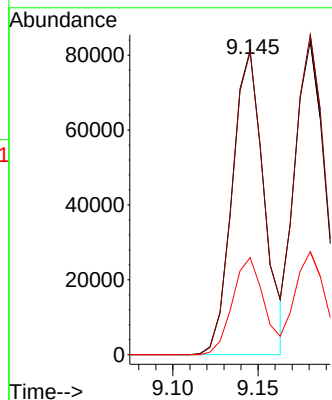
Tgt Ion:196 Resp: 105191

Ion Ratio Lower Upper

196 100

198 99.4 80.6 121.0

200 31.9 25.8 38.6



#44

2,4,5-Trichlorophenol

Concen: 9.692 ng

RT: 9.181 min Scan# 1205

Delta R.T. -0.006 min

Lab File: BF141899.D

Acq: 10 Mar 2025 12:00

Tgt Ion:196 Resp: 105943

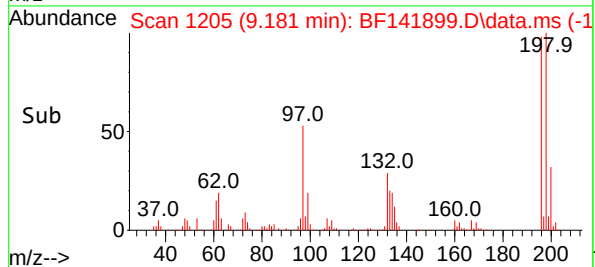
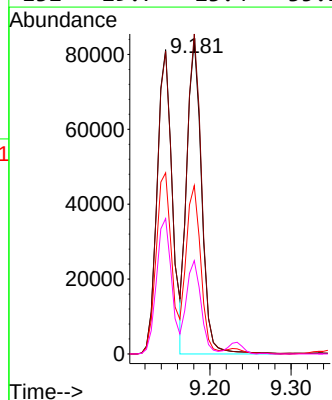
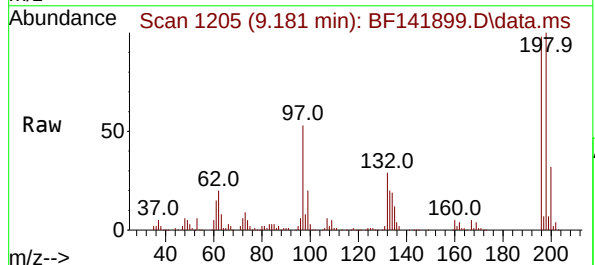
Ion Ratio Lower Upper

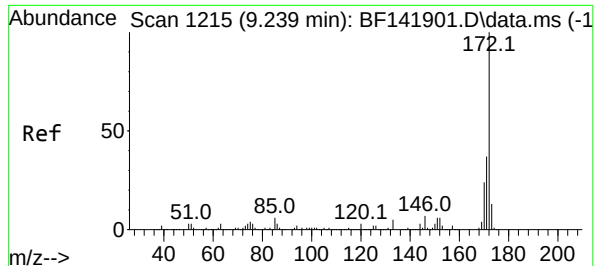
196 100

198 102.0 80.7 121.1

97 53.7 42.1 63.1

132 29.7 23.4 35.2





#45

2-Fluorobiphenyl

Concen: 21.003 ng

RT: 9.234 min Scan# 1214

Delta R.T. -0.006 min

Lab File: BF141899.D

Acq: 10 Mar 2025 12:00

Instrument :

BNA_F

ClientSampleId :

SSTDICC010

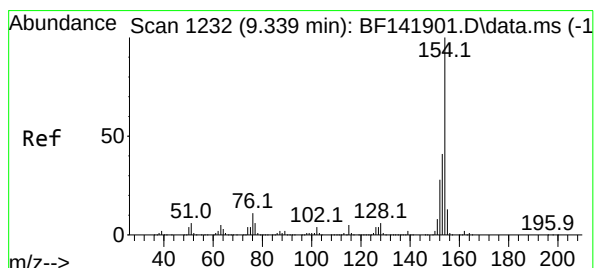
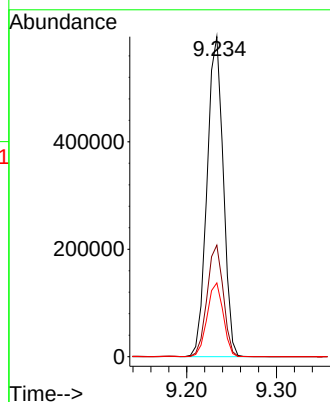
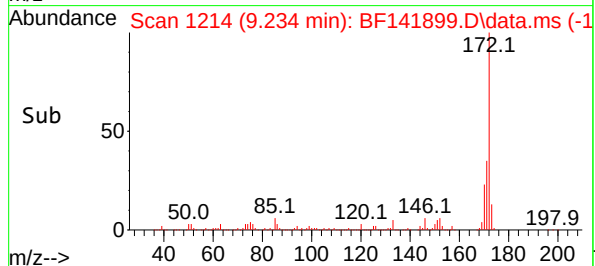
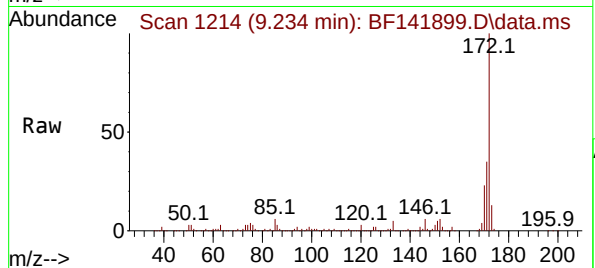
Tgt Ion:172 Resp: 746589

Ion Ratio Lower Upper

172 100

171 34.9 29.3 43.9

170 23.1 19.4 29.0



#46

1,1'-Biphenyl

Concen: 10.372 ng

RT: 9.334 min Scan# 1231

Delta R.T. -0.006 min

Lab File: BF141899.D

Acq: 10 Mar 2025 12:00

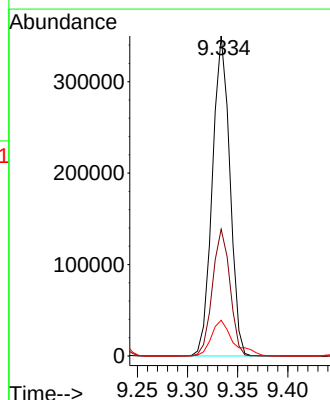
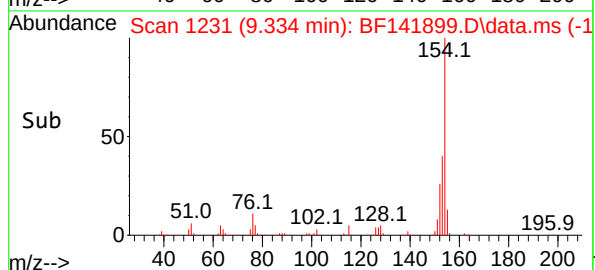
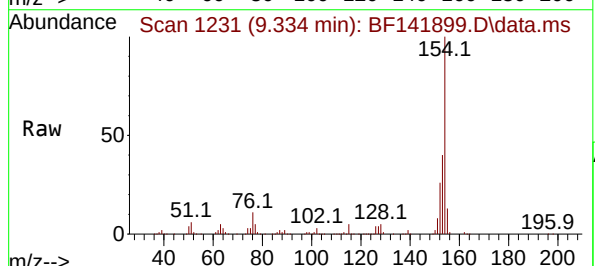
Tgt Ion:154 Resp: 425640

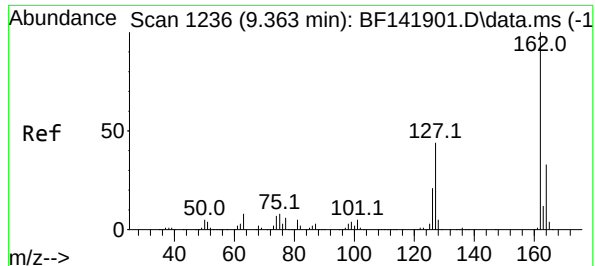
Ion Ratio Lower Upper

154 100

153 39.6 21.1 61.1

76 11.1 0.0 31.3





#47

2-Chloronaphthalene

Concen: 10.094 ng

RT: 9.357 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF141899.D

Acq: 10 Mar 2025 12:00

Instrument :

BNA_F

ClientSampleId :

SSTDICC010

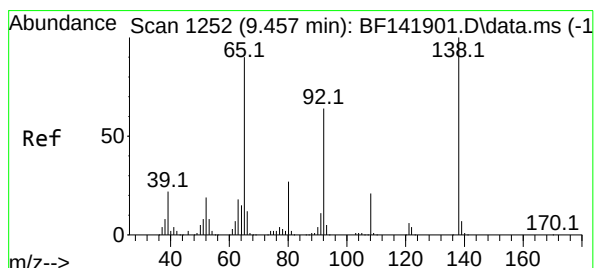
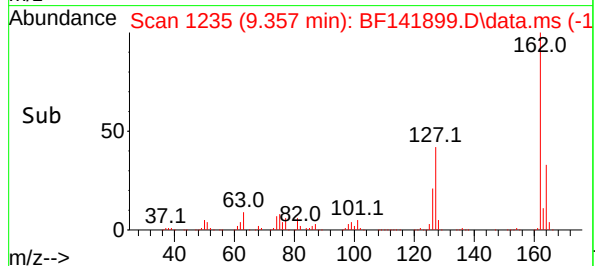
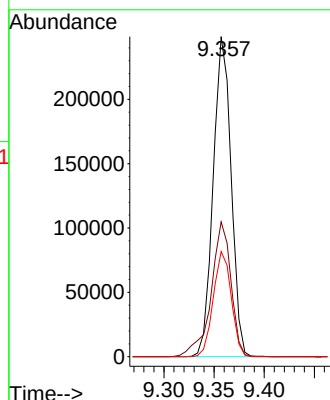
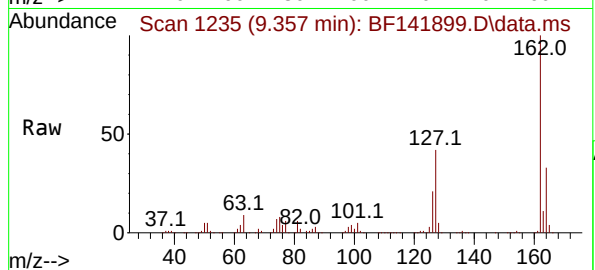
Tgt Ion:162 Resp: 308729

Ion Ratio Lower Upper

162 100

127 42.1 35.5 53.3

164 32.9 26.6 40.0



#48

2-Nitroaniline

Concen: 9.658 ng

RT: 9.451 min Scan# 1251

Delta R.T. -0.006 min

Lab File: BF141899.D

Acq: 10 Mar 2025 12:00

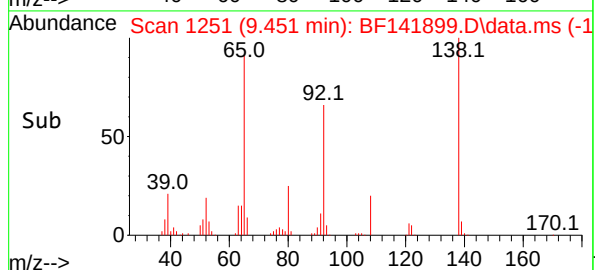
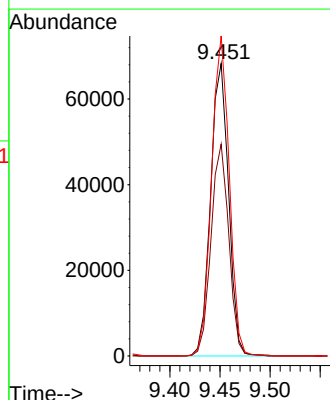
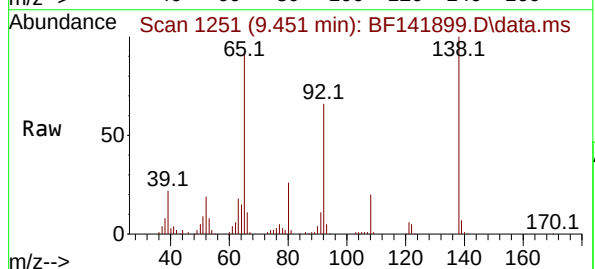
Tgt Ion: 65 Resp: 84854

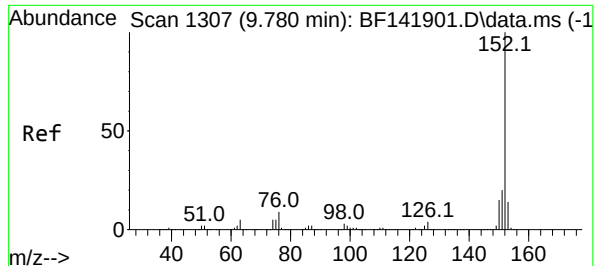
Ion Ratio Lower Upper

65 100

92 72.5 56.6 84.8

138 109.4 88.6 133.0





#49

Acenaphthylene

Concen: 10.383 ng

RT: 9.775 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF141899.D

Acq: 10 Mar 2025 12:00

Instrument :

BNA_F

ClientSampleId :

SSTDICC010

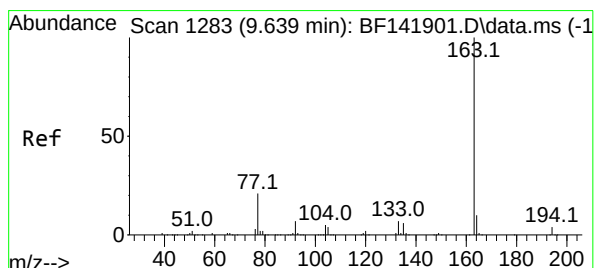
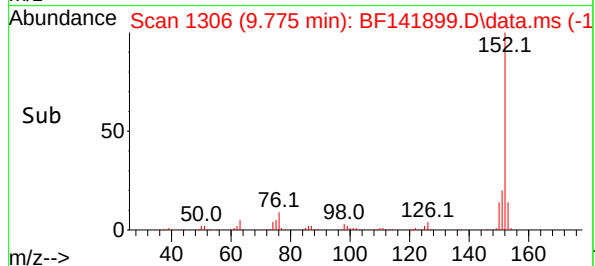
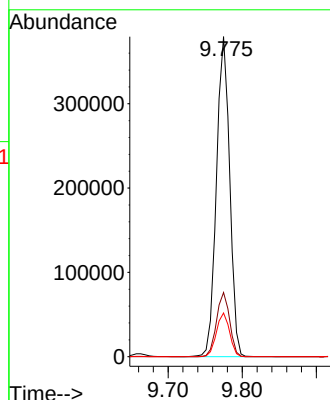
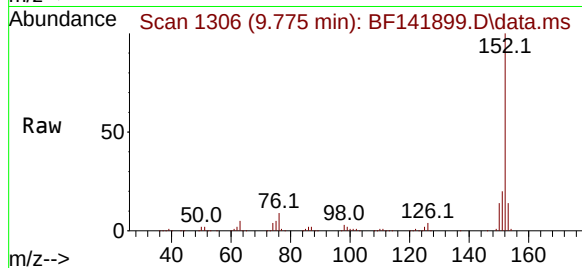
Tgt Ion:152 Resp: 470801

Ion Ratio Lower Upper

152 100

151 20.0 16.3 24.5

153 13.7 11.1 16.7



#50

Dimethylphthalate

Concen: 10.176 ng

RT: 9.628 min Scan# 1281

Delta R.T. -0.012 min

Lab File: BF141899.D

Acq: 10 Mar 2025 12:00

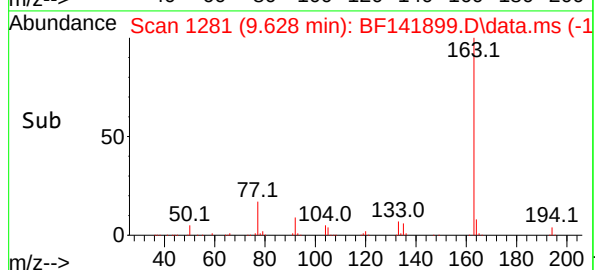
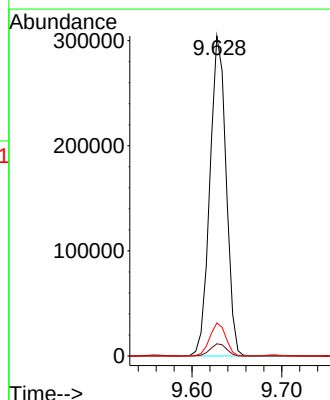
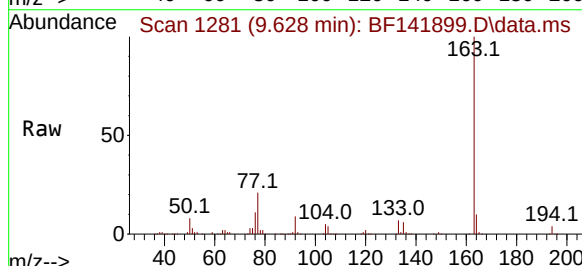
Tgt Ion:163 Resp: 382722

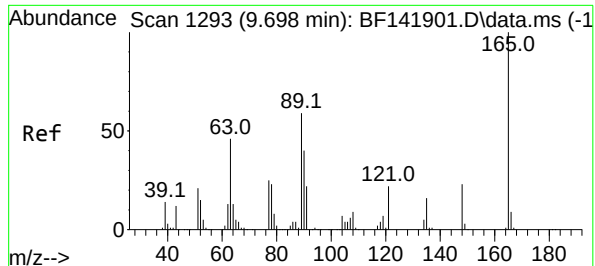
Ion Ratio Lower Upper

163 100

194 3.8 3.1 4.7

164 10.3 8.2 12.4





#51

2,6-Dinitrotoluene

Concen: 9.663 ng

RT: 9.692 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF141899.D

Acq: 10 Mar 2025 12:00

Instrument :

BNA_F

ClientSampleId :

SSTDIC010

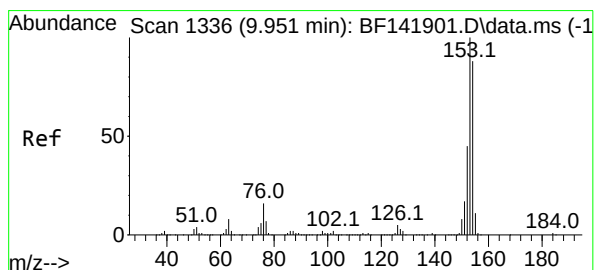
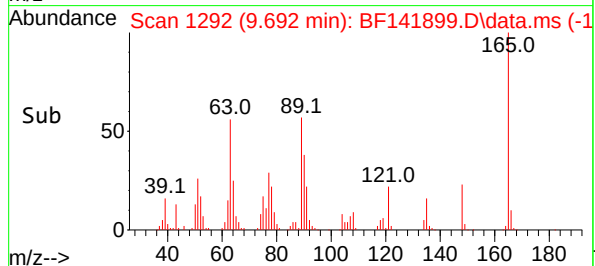
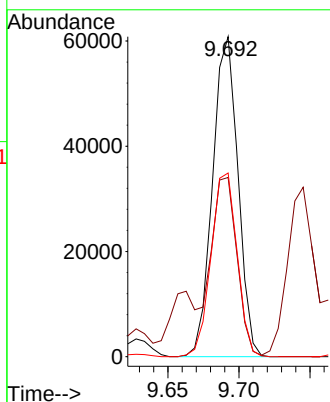
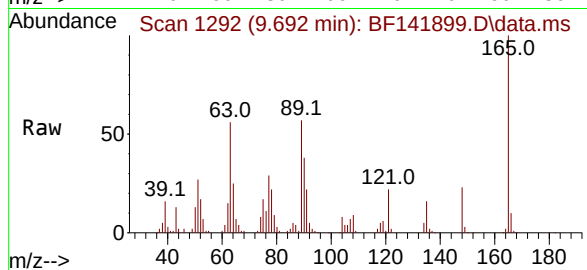
Tgt Ion:165 Resp: 75577

Ion Ratio Lower Upper

165 100

63 56.0 47.0 70.4

89 57.4 47.4 71.2



#52

Acenaphthene

Concen: 10.101 ng

RT: 9.945 min Scan# 1335

Delta R.T. -0.006 min

Lab File: BF141899.D

Acq: 10 Mar 2025 12:00

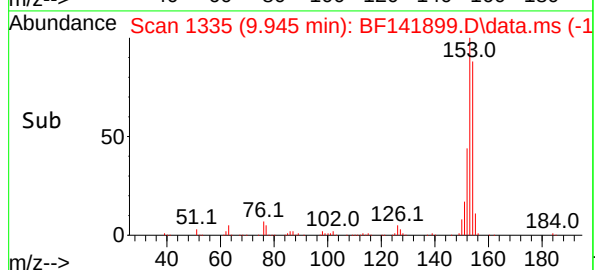
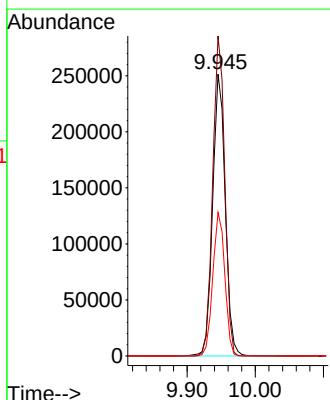
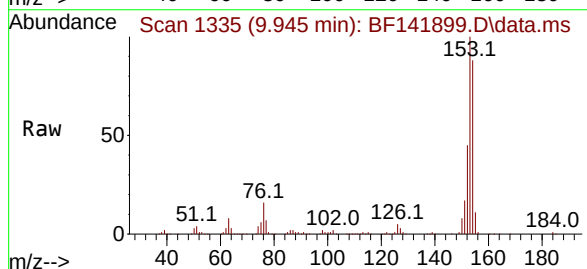
Tgt Ion:154 Resp: 323406

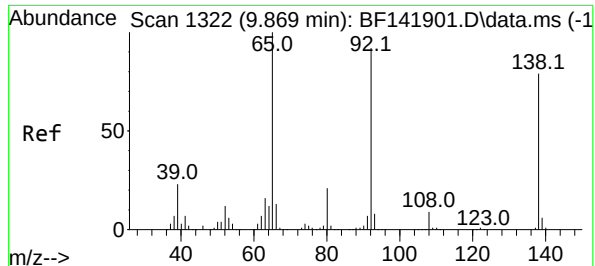
Ion Ratio Lower Upper

154 100

153 113.6 90.7 136.1

152 50.9 41.1 61.7

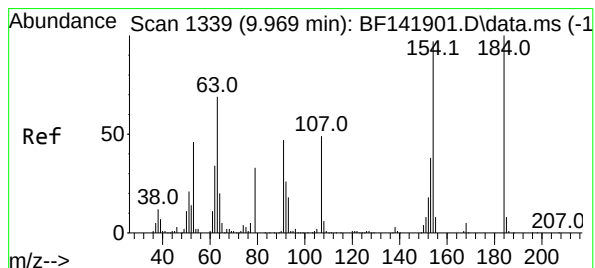
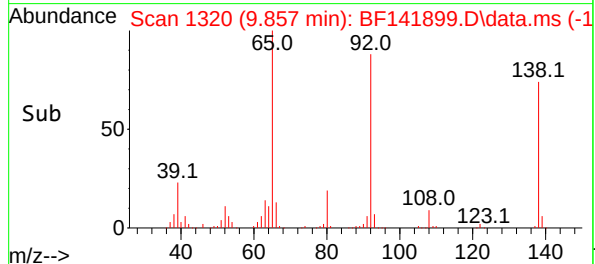
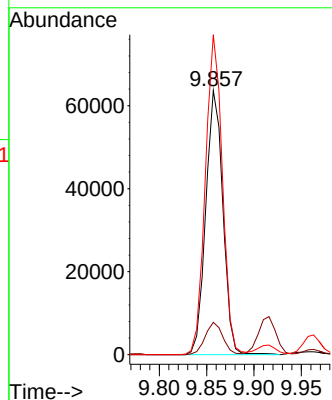
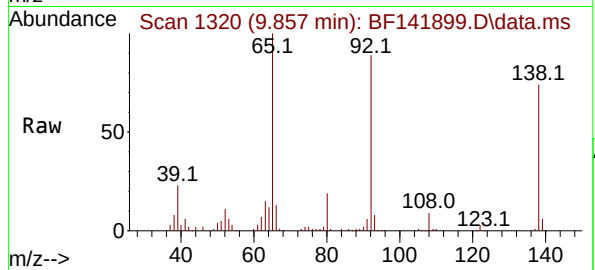




#53
3-Nitroaniline
Concen: 9.955 ng
RT: 9.857 min Scan# 1320
Delta R.T. -0.012 min
Lab File: BF141899.D
Acq: 10 Mar 2025 12:00

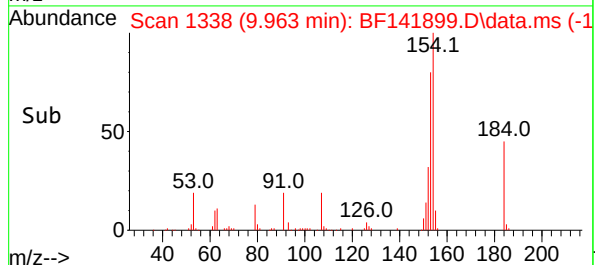
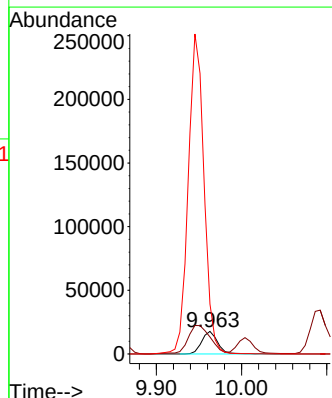
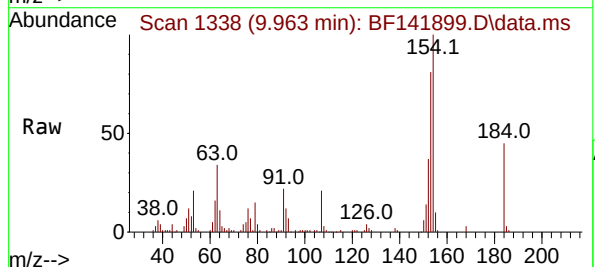
Instrument :
BNA_F
ClientSampleId :
SSTDIC010

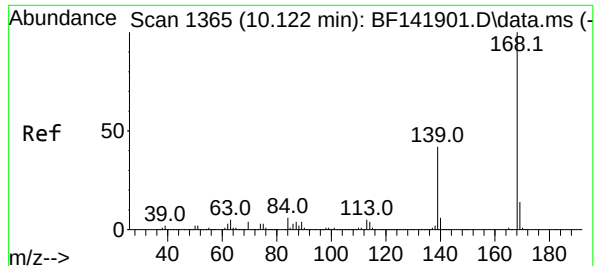
Tgt Ion:138 Resp: 79944
Ion Ratio Lower Upper
138 100
108 12.2 9.3 13.9
92 121.1 93.5 140.3



#54
2,4-Dinitrophenol
Concen: 11.386 ng
RT: 9.963 min Scan# 1338
Delta R.T. -0.006 min
Lab File: BF141899.D
Acq: 10 Mar 2025 12:00

Tgt Ion:184 Resp: 23121
Ion Ratio Lower Upper
184 100
63 75.2 60.2 90.4
154 222.1 132.9 199.3#

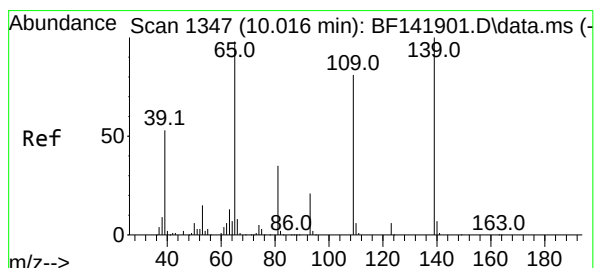
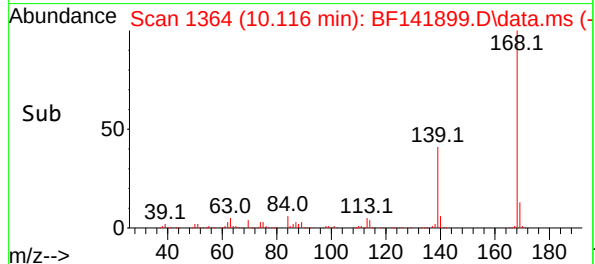
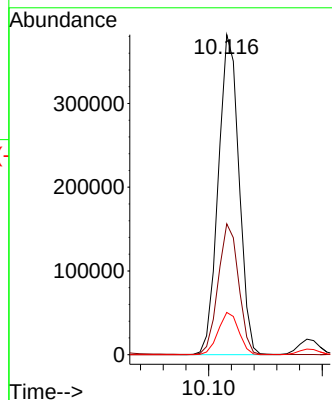
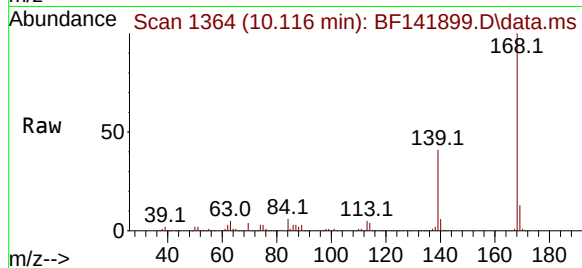




#55
Dibenzenofuran
Concen: 10.593 ng
RT: 10.116 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF141899.D
Acq: 10 Mar 2025 12:00

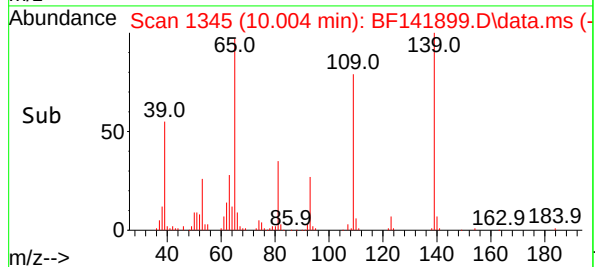
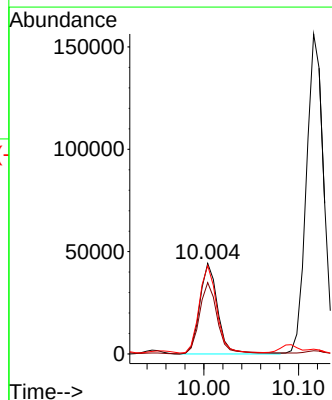
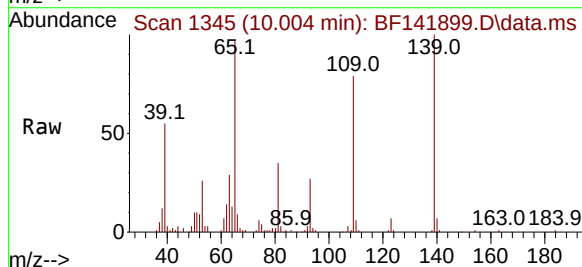
Instrument :
BNA_F
ClientSampleId :
SSTDICC010

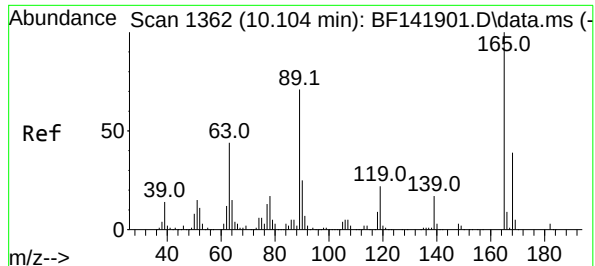
Tgt Ion:168 Resp: 483596
Ion Ratio Lower Upper
168 100
139 40.9 33.9 50.9
169 13.2 11.0 16.4



#56
4-Nitrophenol
Concen: 9.706 ng
RT: 10.004 min Scan# 1345
Delta R.T. -0.012 min
Lab File: BF141899.D
Acq: 10 Mar 2025 12:00

Tgt Ion:139 Resp: 58549
Ion Ratio Lower Upper
139 100
109 78.8 61.6 101.6
65 97.5 79.4 119.4

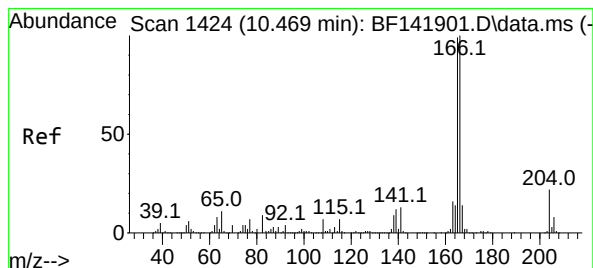
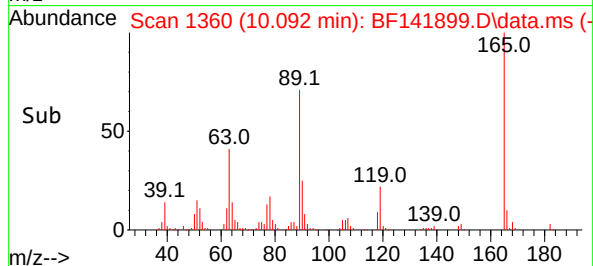
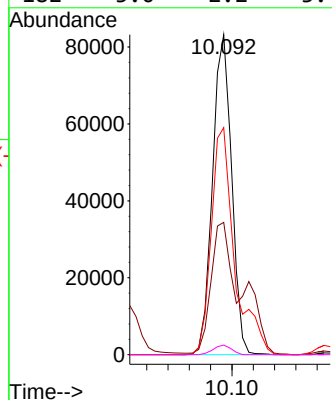
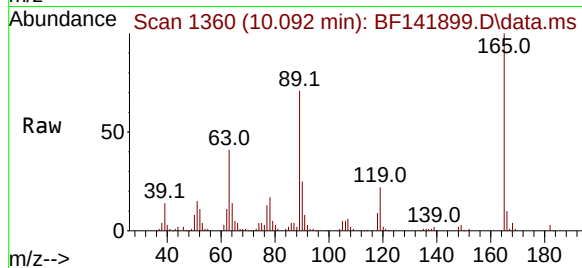




#57
2,4-Dinitrotoluene
Concen: 10.035 ng
RT: 10.092 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF141899.D
Acq: 10 Mar 2025 12:00

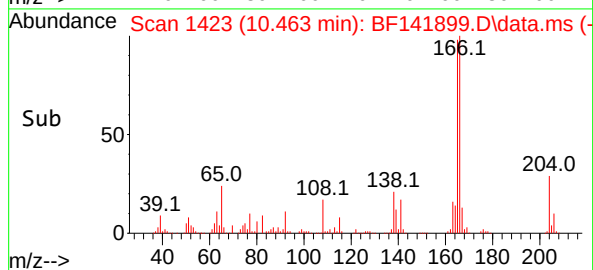
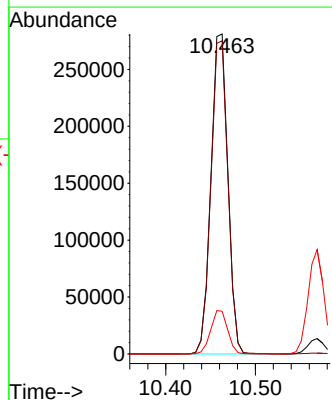
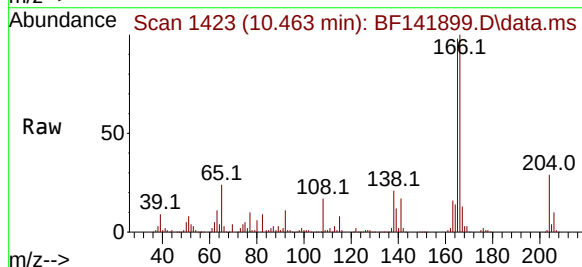
Instrument :
BNA_F
ClientSampleId :
SSTDICC010

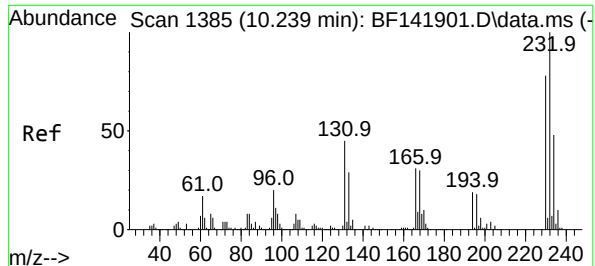
Tgt Ion:165 Resp: 103313
Ion Ratio Lower Upper
165 100
63 41.3 35.4 53.2
89 70.9 56.6 84.8
182 3.0 2.2 3.4



#58
Fluorene
Concen: 10.452 ng
RT: 10.463 min Scan# 1423
Delta R.T. -0.006 min
Lab File: BF141899.D
Acq: 10 Mar 2025 12:00

Tgt Ion:166 Resp: 368370
Ion Ratio Lower Upper
166 100
165 97.8 79.0 118.4
167 13.3 11.0 16.4

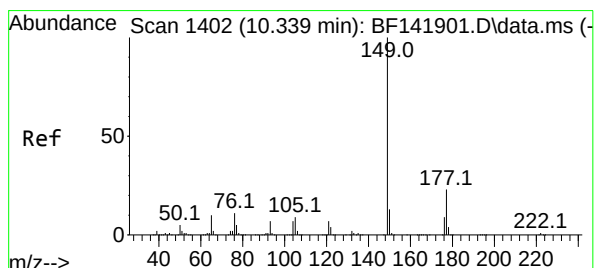
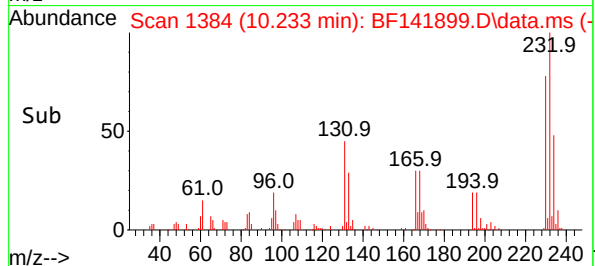
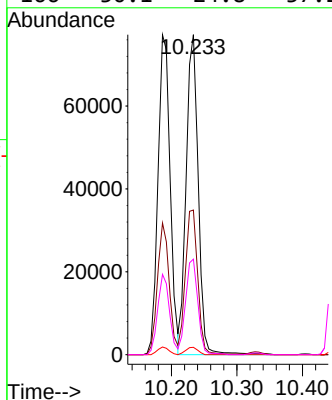
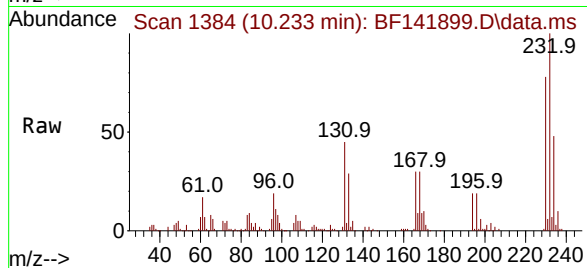




#59
2,3,4,6-Tetrachlorophenol
Concen: 9.954 ng
RT: 10.233 min Scan# 1384
Delta R.T. -0.006 min
Lab File: BF141899.D
Acq: 10 Mar 2025 12:00

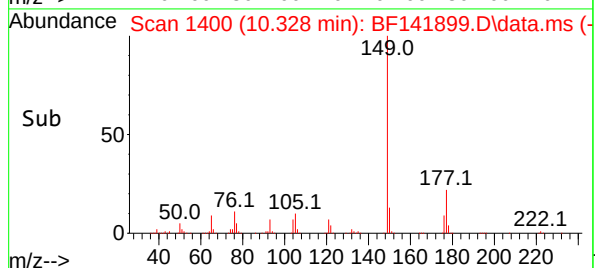
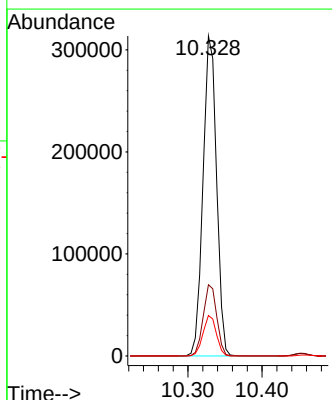
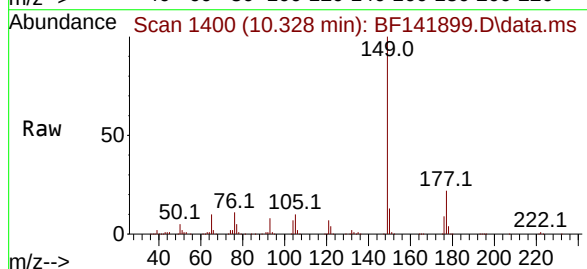
Instrument :
BNA_F
ClientSampleId :
SSTDICC010

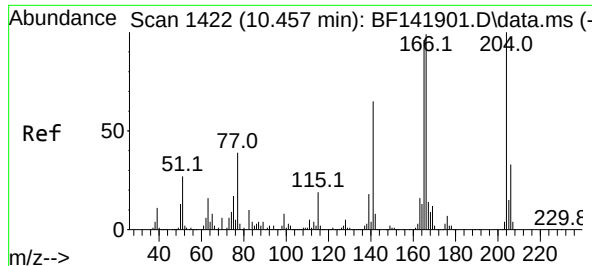
Tgt Ion:232 Resp: 98725
Ion Ratio Lower Upper
232 100
131 46.2 37.3 55.9
130 2.3 1.9 2.9
166 30.1 24.8 37.2



#60
Diethylphthalate
Concen: 10.542 ng
RT: 10.328 min Scan# 1400
Delta R.T. -0.012 min
Lab File: BF141899.D
Acq: 10 Mar 2025 12:00

Tgt Ion:149 Resp: 398003
Ion Ratio Lower Upper
149 100
177 22.2 18.0 27.0
150 12.7 10.2 15.4

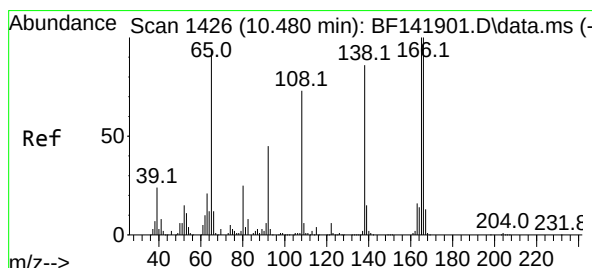
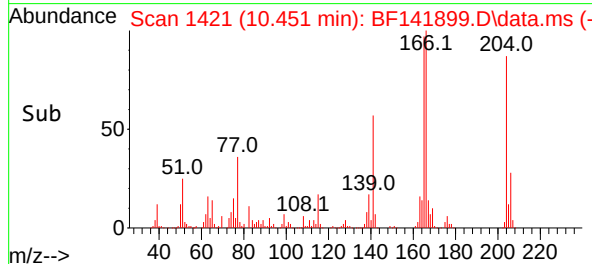
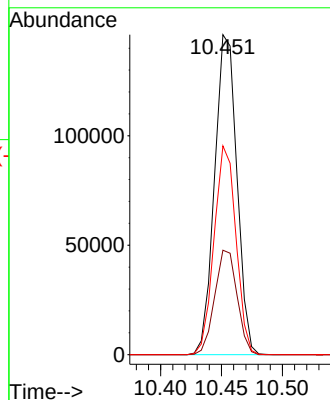
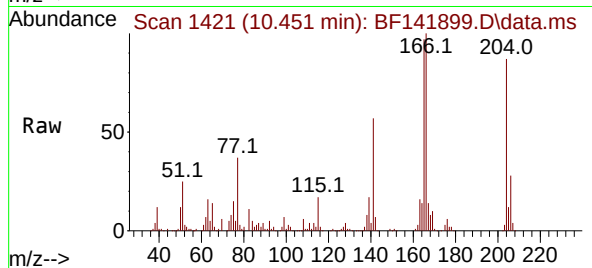




#61
4-Chlorophenyl-phenylether
Concen: 10.145 ng
RT: 10.451 min Scan# 1421
Delta R.T. -0.006 min
Lab File: BF141899.D
Acq: 10 Mar 2025 12:00

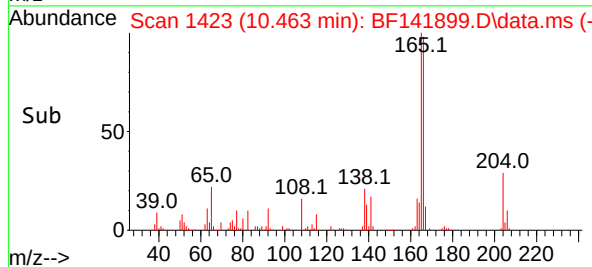
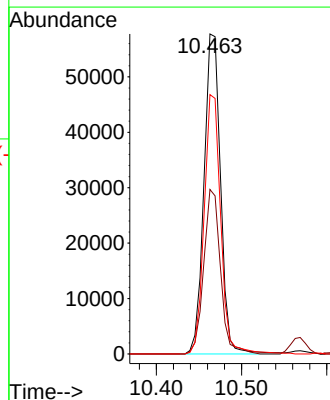
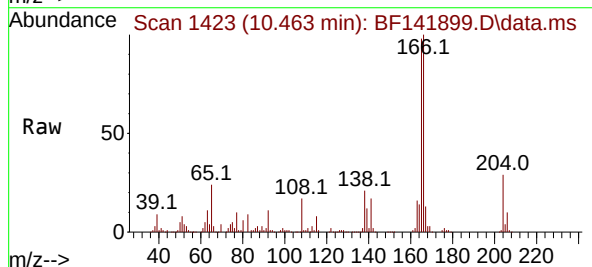
Instrument :
BNA_F
ClientSampleId :
SSTDICC010

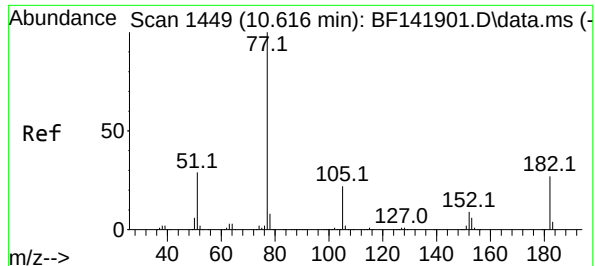
Tgt Ion:204 Resp: 186237
Ion Ratio Lower Upper
204 100
206 32.7 26.8 40.2
141 65.3 52.4 78.6



#62
4-Nitroaniline
Concen: 10.030 ng
RT: 10.463 min Scan# 1423
Delta R.T. -0.017 min
Lab File: BF141899.D
Acq: 10 Mar 2025 12:00

Tgt Ion:138 Resp: 78048
Ion Ratio Lower Upper
138 100
92 51.4 32.6 72.6
108 81.1 65.0 105.0

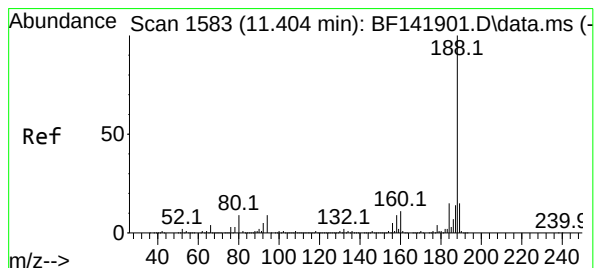
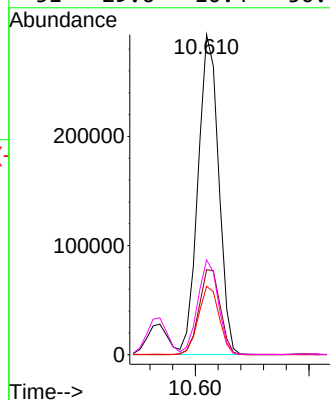
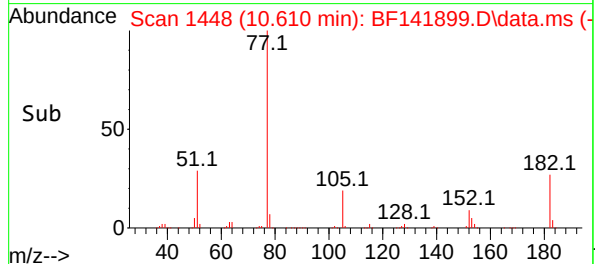
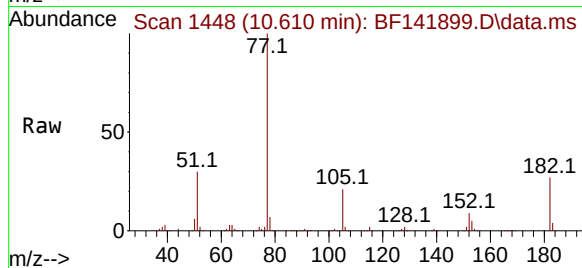




#63
Azobenzene
Concen: 10.521 ng
RT: 10.610 min Scan# 1449
Delta R.T. -0.006 min
Lab File: BF141899.D
Acq: 10 Mar 2025 12:00

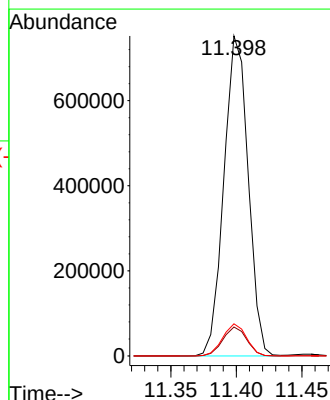
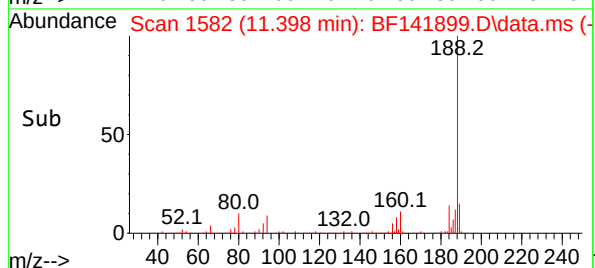
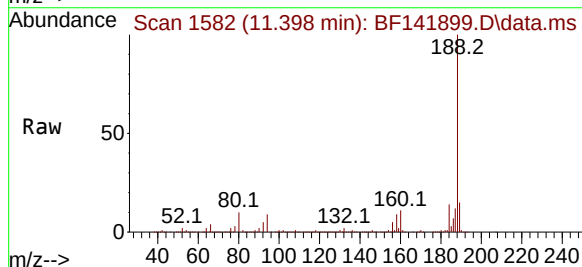
Instrument :
BNA_F
ClientSampleId :
SSTDICC010

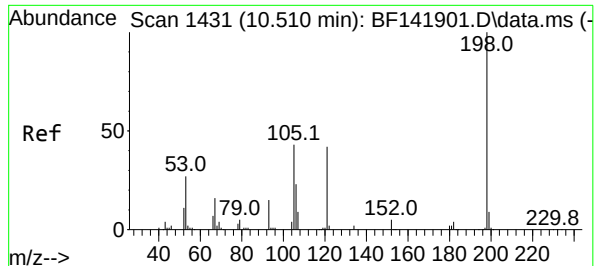
Tgt Ion: 77	Resp: 368982
Ion Ratio	Lower Upper
77 100	
182 26.6	6.6 46.6
105 21.3	1.3 41.3
51 29.6	10.4 50.4



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.398 min Scan# 1582
Delta R.T. -0.006 min
Lab File: BF141899.D
Acq: 10 Mar 2025 12:00

Tgt Ion: 188	Resp: 966771
Ion Ratio	Lower Upper
188 100	
94 9.1	6.8 10.2
80 10.0	7.6 11.4

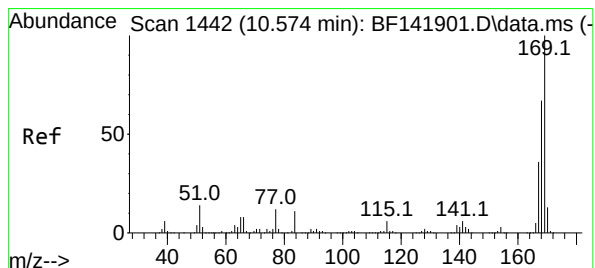
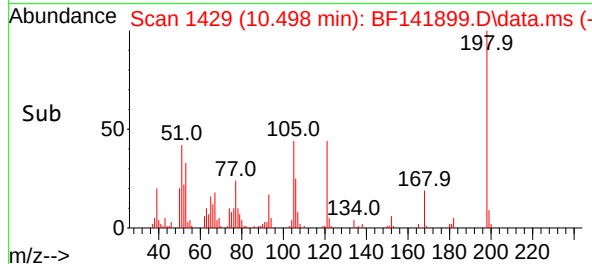
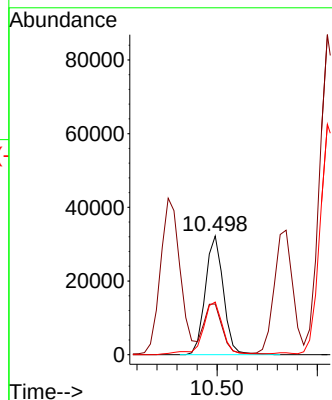
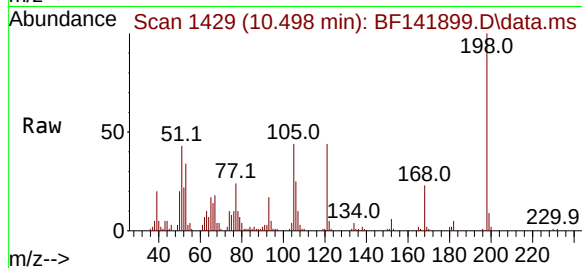




#65
4,6-Dinitro-2-methylphenol
Concen: 7.040 ng
RT: 10.498 min Scan# 1429
Delta R.T. -0.012 min
Lab File: BF141899.D
Acq: 10 Mar 2025 12:00

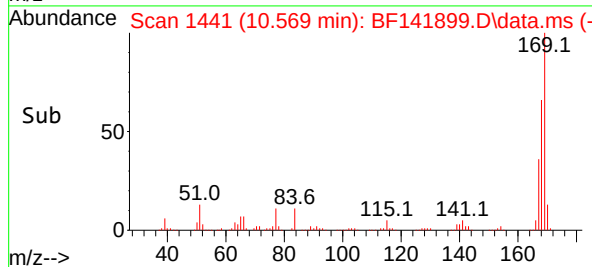
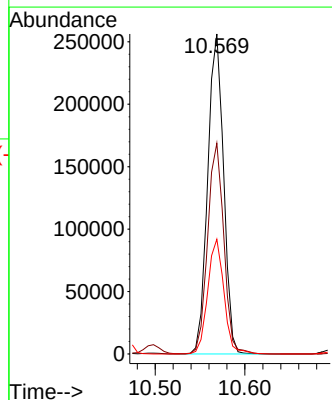
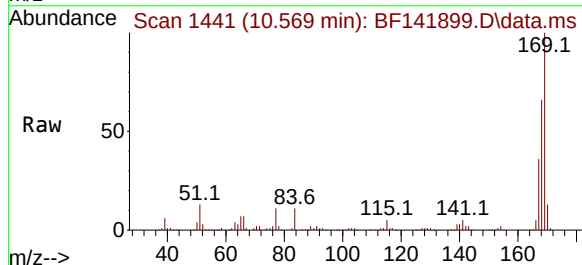
Instrument :
BNA_F
ClientSampleId :
SSTDICC010

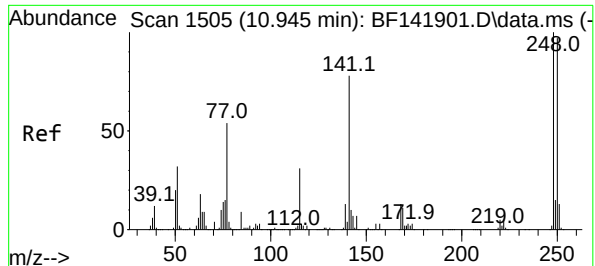
Tgt Ion:198 Resp: 40348
Ion Ratio Lower Upper
198 100
51 42.7 22.3 62.3
105 44.3 23.0 63.0



#66
n-Nitrosodiphenylamine
Concen: 10.078 ng
RT: 10.569 min Scan# 1441
Delta R.T. -0.006 min
Lab File: BF141899.D
Acq: 10 Mar 2025 12:00

Tgt Ion:169 Resp: 314758
Ion Ratio Lower Upper
169 100
168 65.8 53.7 80.5
167 35.8 29.2 43.8

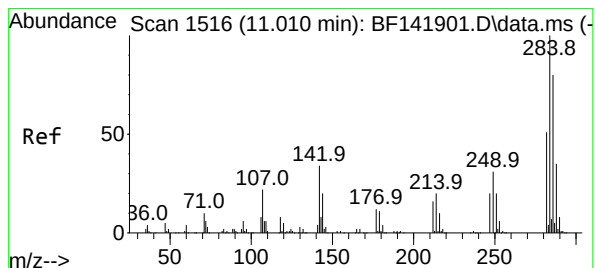
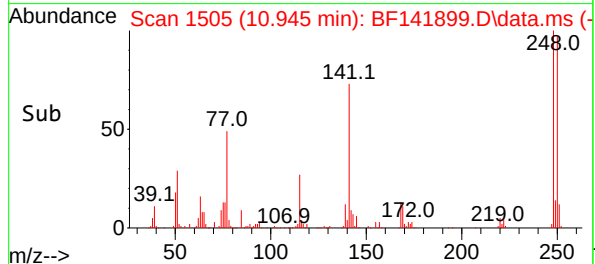
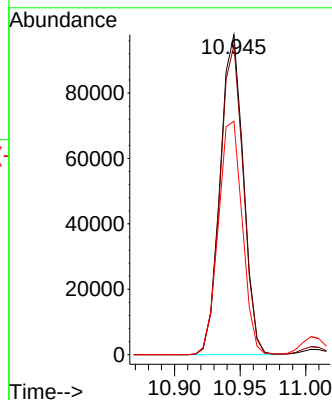
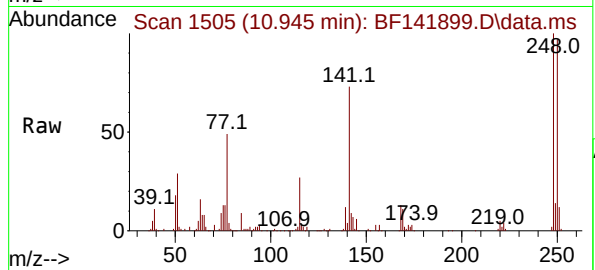




#67
4-Bromophenyl-phenylether
Concen: 10.011 ng
RT: 10.945 min Scan# 1505
Delta R.T. 0.000 min
Lab File: BF141899.D
Acq: 10 Mar 2025 12:00

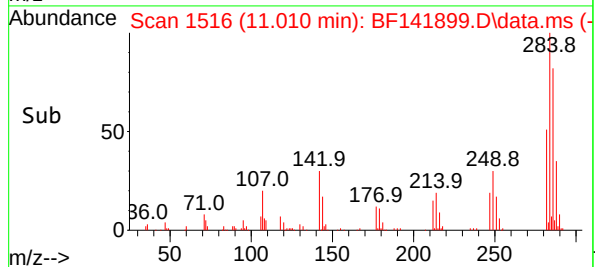
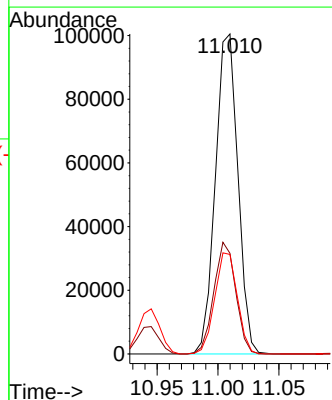
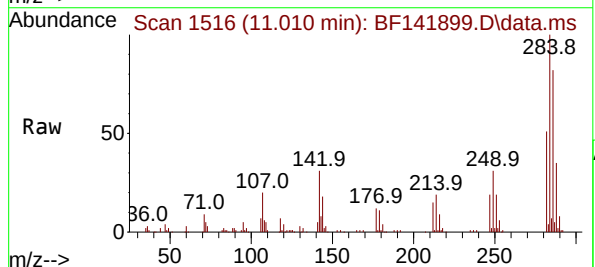
Instrument :
BNA_F
ClientSampleId :
SSTDICC010

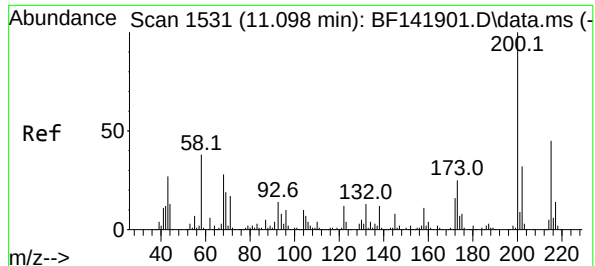
Tgt Ion:248 Resp: 120534
Ion Ratio Lower Upper
248 100
250 96.8 77.8 116.8
141 72.9 62.6 93.8



#68
Hexachlorobenzene
Concen: 9.712 ng
RT: 11.010 min Scan# 1516
Delta R.T. 0.000 min
Lab File: BF141899.D
Acq: 10 Mar 2025 12:00

Tgt Ion:284 Resp: 129242
Ion Ratio Lower Upper
284 100
142 31.4 27.0 40.6
249 31.1 25.2 37.8





#69

Atrazine

Concen: 13.502 ng

RT: 11.092 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF141899.D

Acq: 10 Mar 2025 12:00

Instrument :

BNA_F

ClientSampleId :

SSTDIC010

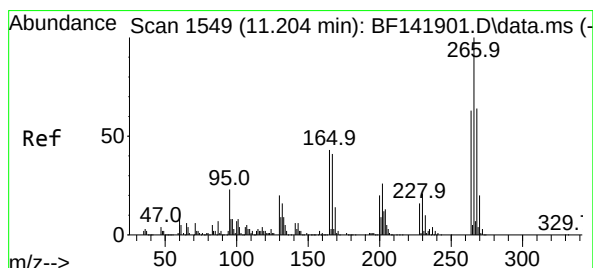
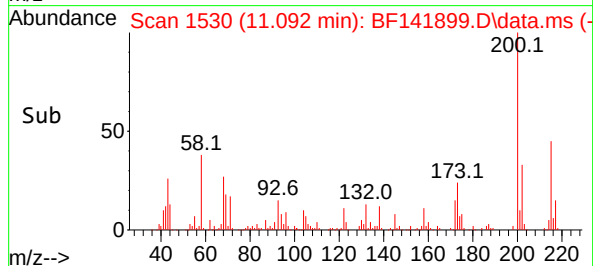
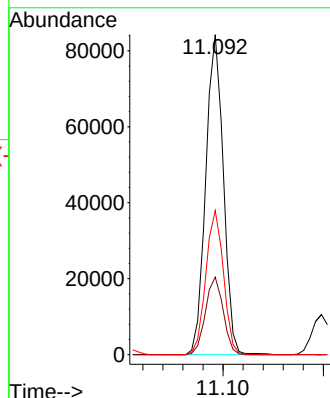
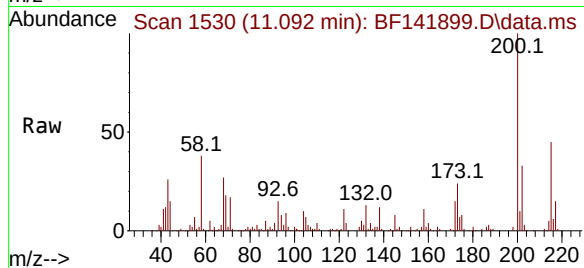
Tgt Ion:200 Resp: 102822

Ion Ratio Lower Upper

200 100

173 24.3 4.7 44.7

215 45.0 25.4 65.4



#70

Pentachlorophenol

Concen: 8.909 ng

RT: 11.198 min Scan# 1548

Delta R.T. -0.006 min

Lab File: BF141899.D

Acq: 10 Mar 2025 12:00

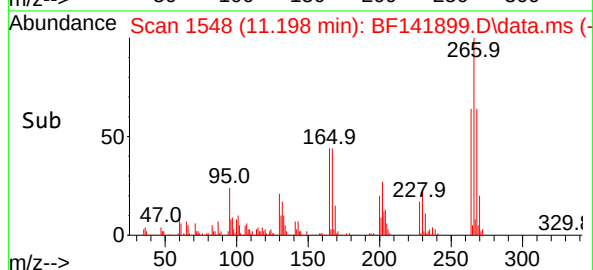
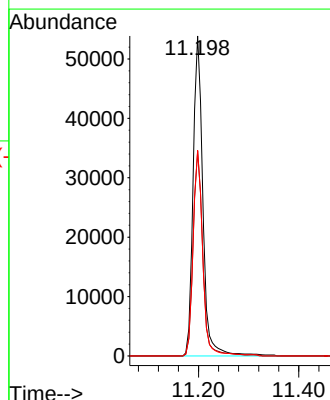
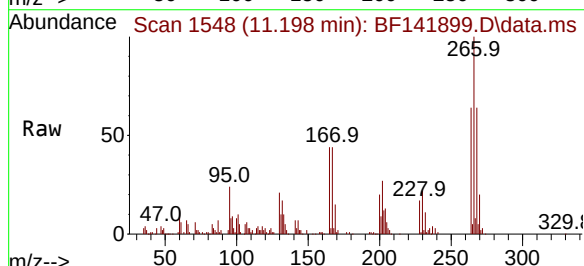
Tgt Ion:266 Resp: 73112

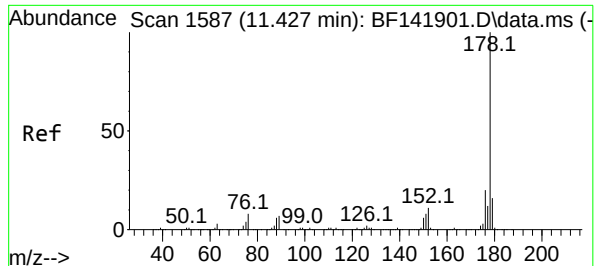
Ion Ratio Lower Upper

266 100

268 64.0 51.0 76.6

264 64.3 50.2 75.2

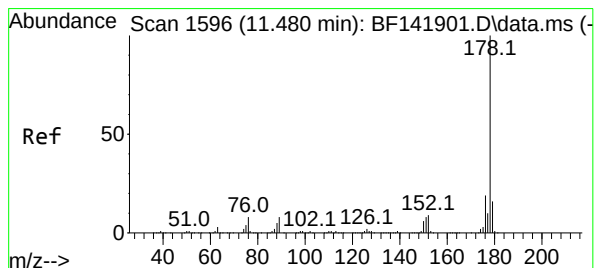
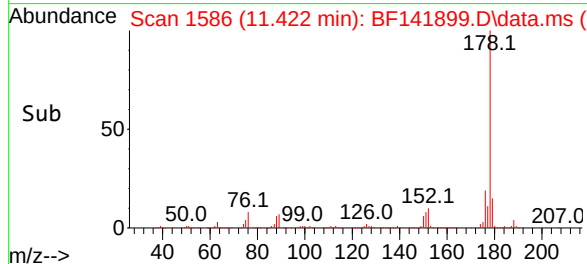
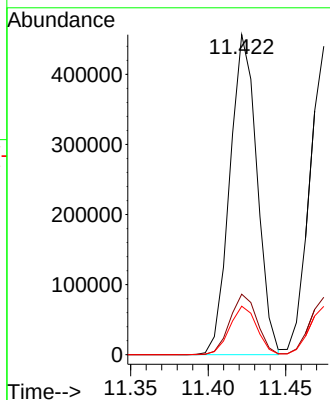
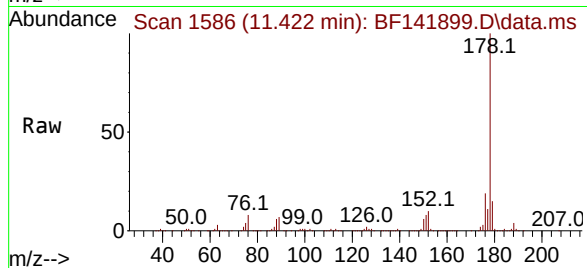




#71
Phenanthrene
Concen: 10.646 ng
RT: 11.422 min Scan# 1586
Delta R.T. -0.006 min
Lab File: BF141899.D
Acq: 10 Mar 2025 12:00

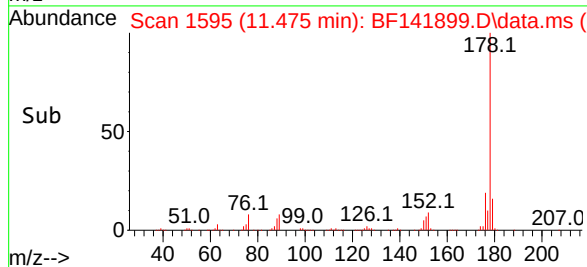
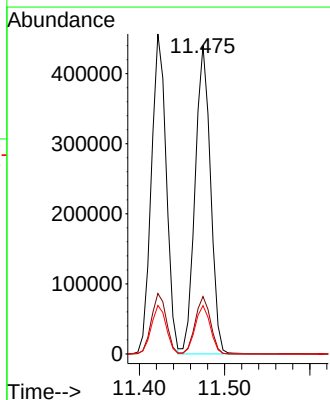
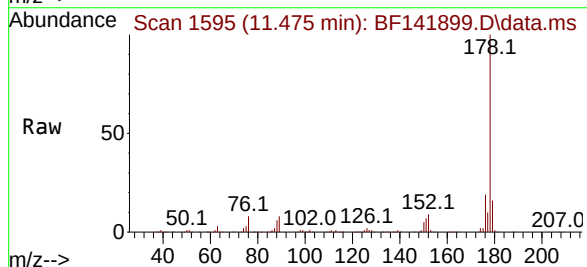
Instrument :
BNA_F
ClientSampleId :
SSTDICC010

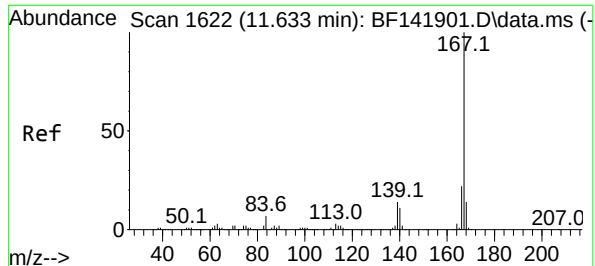
Tgt Ion:178 Resp: 556546
Ion Ratio Lower Upper
178 100
176 18.9 15.8 23.8
179 15.2 12.6 19.0



#72
Anthracene
Concen: 10.501 ng
RT: 11.475 min Scan# 1595
Delta R.T. -0.006 min
Lab File: BF141899.D
Acq: 10 Mar 2025 12:00

Tgt Ion:178 Resp: 550767
Ion Ratio Lower Upper
178 100
176 18.6 15.1 22.7
179 15.7 12.6 19.0

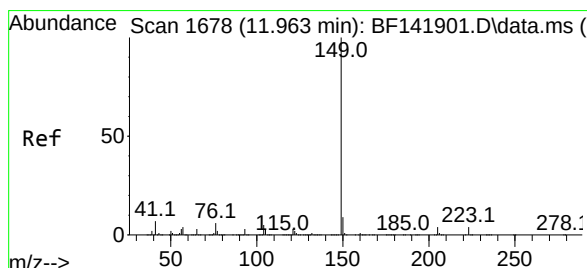
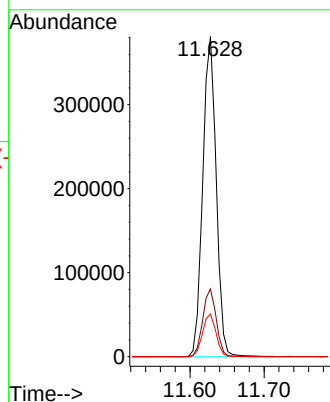
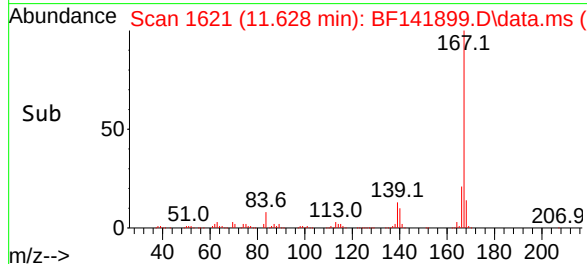
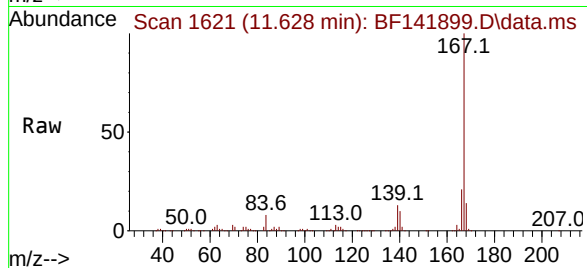




#73
Carbazole
Concen: 10.641 ng
RT: 11.628 min Scan# 1621
Delta R.T. -0.006 min
Lab File: BF141899.D
Acq: 10 Mar 2025 12:00

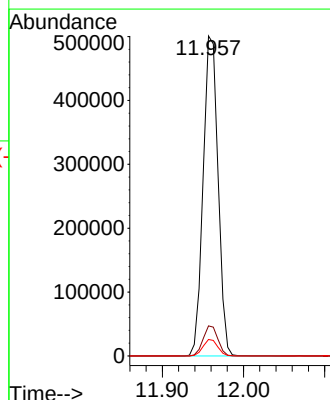
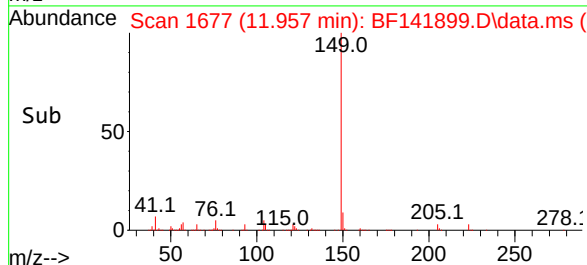
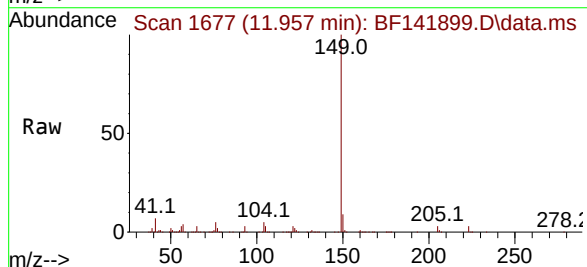
Instrument :
BNA_F
ClientSampleId :
SSTDICC010

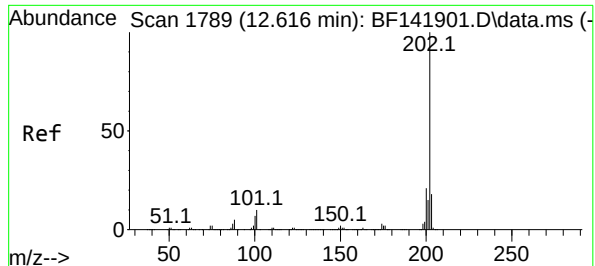
Tgt Ion:167 Resp: 480520
Ion Ratio Lower Upper
167 100
166 21.2 17.4 26.2
139 13.3 11.0 16.6



#74
Di-n-butylphthalate
Concen: 10.708 ng
RT: 11.957 min Scan# 1677
Delta R.T. -0.006 min
Lab File: BF141899.D
Acq: 10 Mar 2025 12:00

Tgt Ion:149 Resp: 638429
Ion Ratio Lower Upper
149 100
150 9.4 7.6 11.4
104 5.2 4.4 6.6

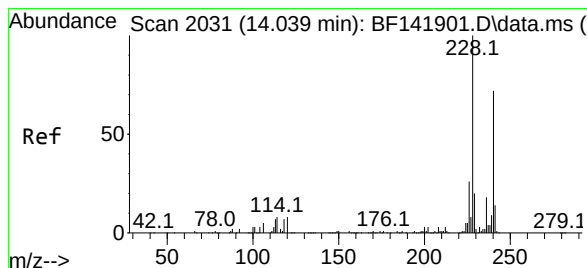
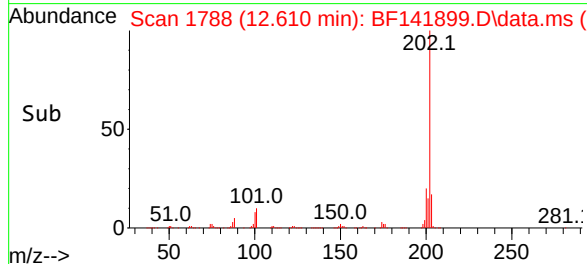
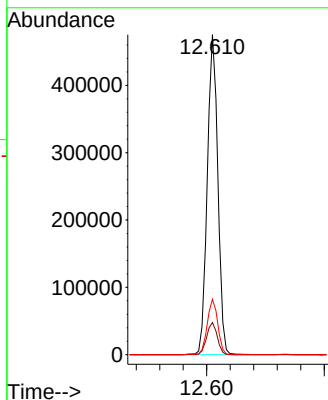
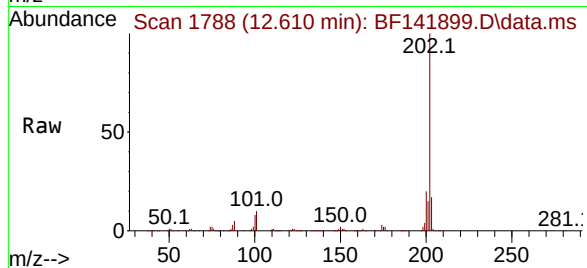




#75
Fluoranthene
Concen: 10.801 ng
RT: 12.610 min Scan# 1788
Delta R.T. -0.006 min
Lab File: BF141899.D
Acq: 10 Mar 2025 12:00

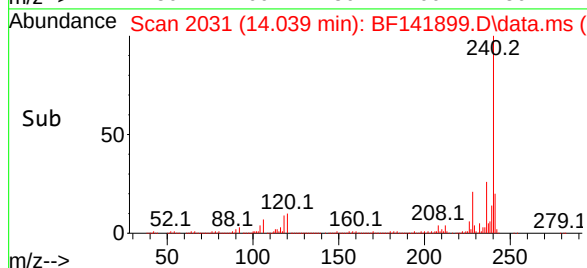
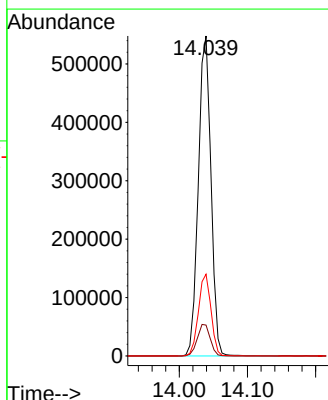
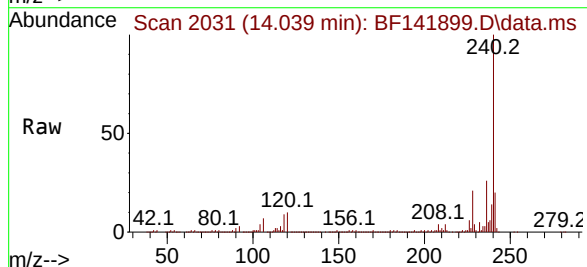
Instrument :
BNA_F
ClientSampleId :
SSTDICC010

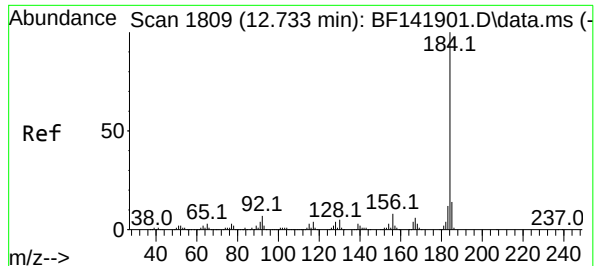
Tgt Ion	Ratio	Lower	Upper
202	100		
101	10.1	0.0	29.7
203	17.4	0.0	37.8



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.039 min Scan# 2031
Delta R.T. 0.000 min
Lab File: BF141899.D
Acq: 10 Mar 2025 12:00

Tgt Ion	Ratio	Lower	Upper
240	100		
120	9.7	8.4	12.6
236	25.5	20.5	30.7





#77

Benzidine

Concen: 10.946 ng

RT: 12.733 min Scan# 1809

Delta R.T. 0.000 min

Lab File: BF141899.D

Acq: 10 Mar 2025 12:00

Instrument :

BNA_F

ClientSampleId :

SSTDICC010

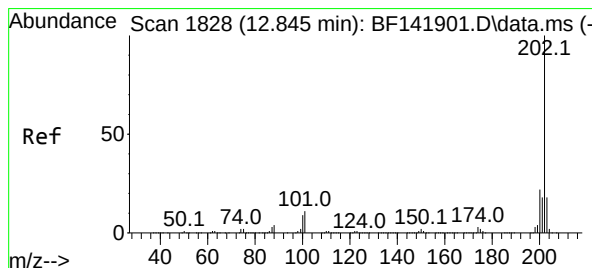
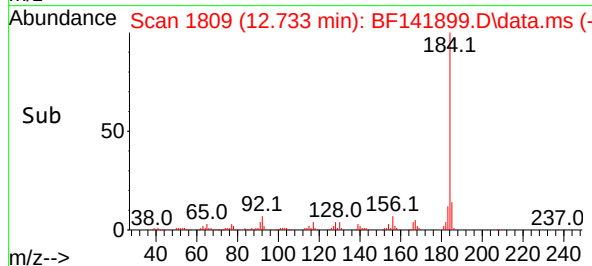
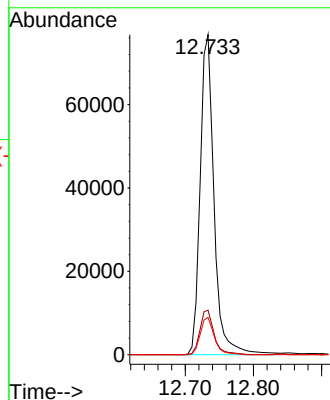
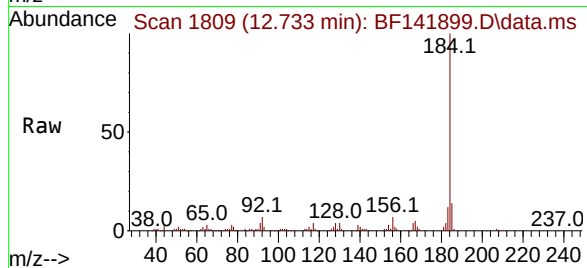
Tgt Ion:184 Resp: 108761

Ion Ratio Lower Upper

184 100

185 13.9 11.5 17.3

183 11.6 9.7 14.5



#78

Pyrene

Concen: 9.626 ng

RT: 12.839 min Scan# 1827

Delta R.T. -0.006 min

Lab File: BF141899.D

Acq: 10 Mar 2025 12:00

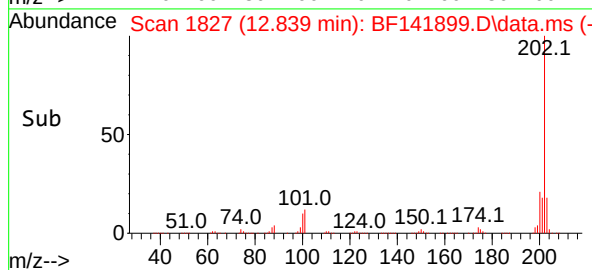
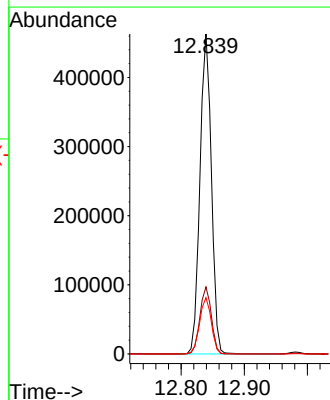
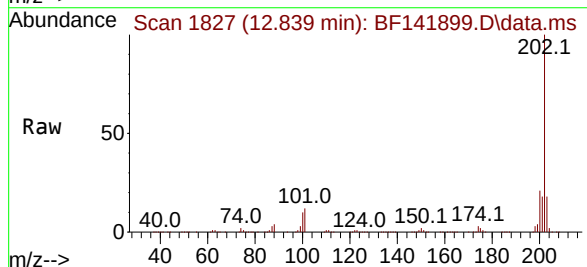
Tgt Ion:202 Resp: 580442

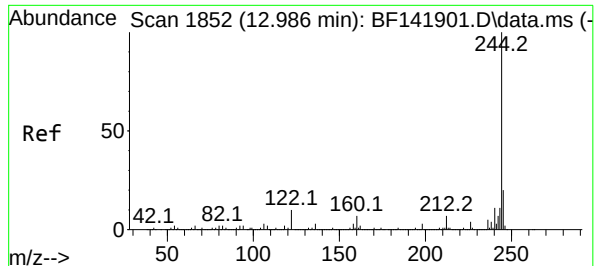
Ion Ratio Lower Upper

202 100

200 20.9 17.3 25.9

203 17.6 14.4 21.6





#79

Terphenyl-d14

Concen: 19.345 ng

RT: 12.980 min Scan# 1851

Delta R.T. -0.006 min

Lab File: BF141899.D

Acq: 10 Mar 2025 12:00

Instrument :

BNA_F

ClientSampleId :

SSTDICC010

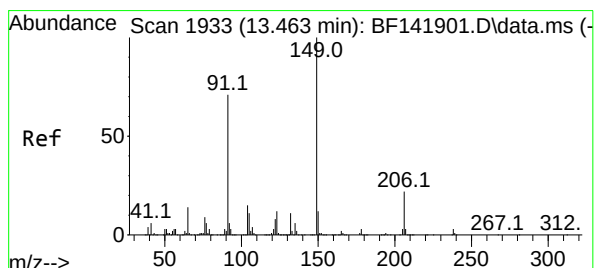
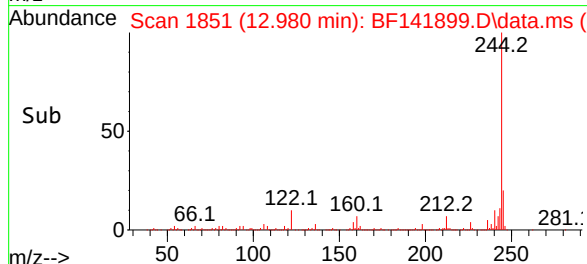
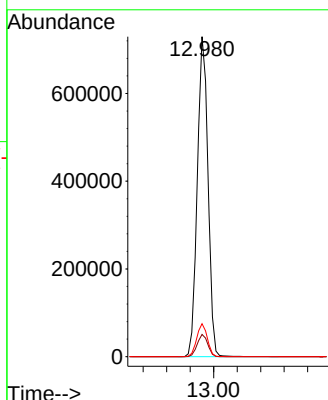
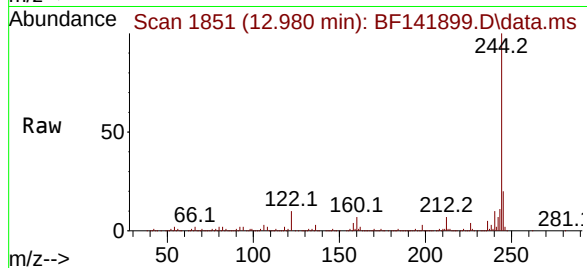
Tgt Ion:244 Resp: 920159

Ion Ratio Lower Upper

244 100

212 6.9 6.0 9.0

122 10.3 7.7 11.5



#80

Butylbenzylphthalate

Concen: 9.710 ng

RT: 13.457 min Scan# 1932

Delta R.T. -0.006 min

Lab File: BF141899.D

Acq: 10 Mar 2025 12:00

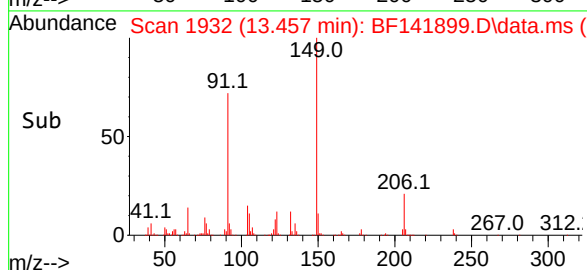
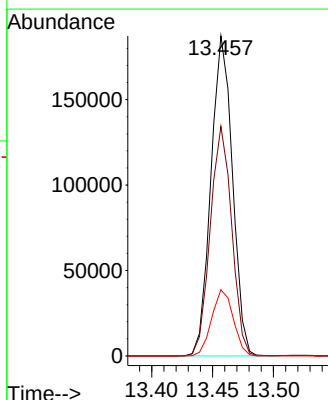
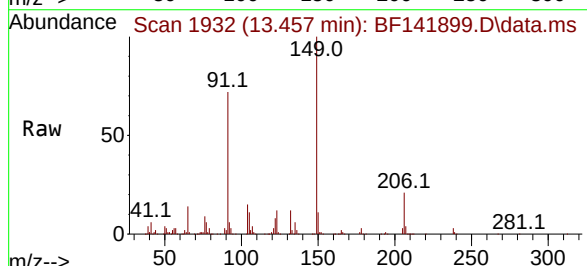
Tgt Ion:149 Resp: 230714

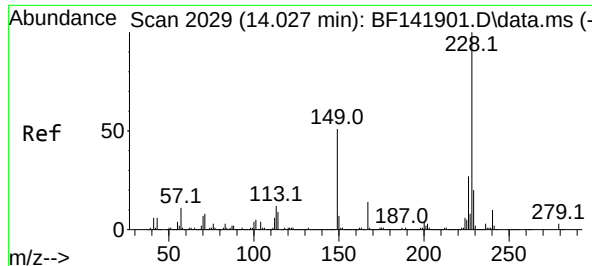
Ion Ratio Lower Upper

149 100

91 71.8 56.5 84.7

206 20.7 17.3 25.9

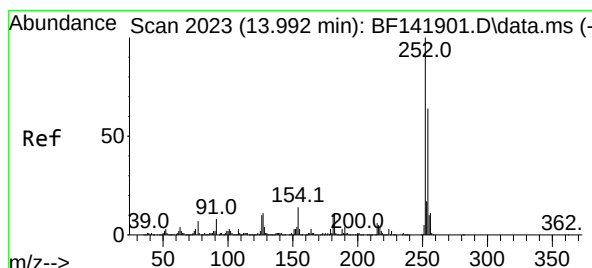
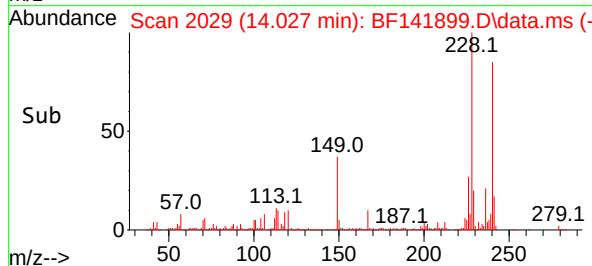
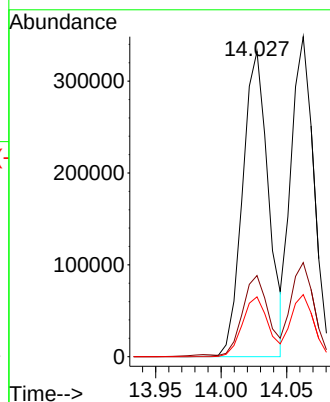
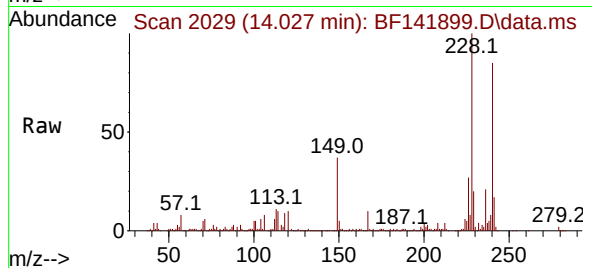




#81
Benzo(a)anthracene
Concen: 9.911 ng
RT: 14.027 min Scan# 2029
Delta R.T. 0.000 min
Lab File: BF141899.D
Acq: 10 Mar 2025 12:00

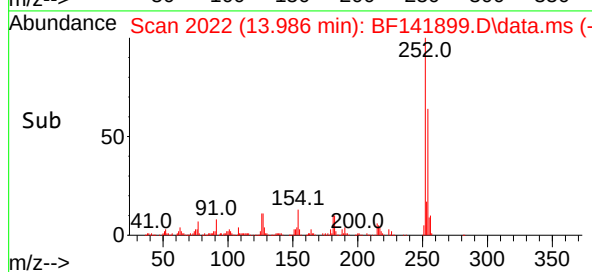
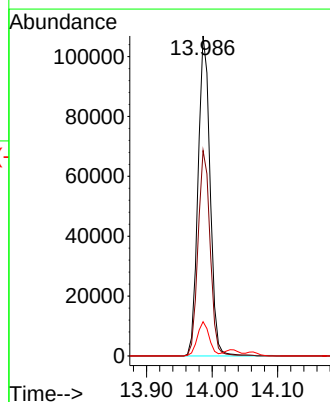
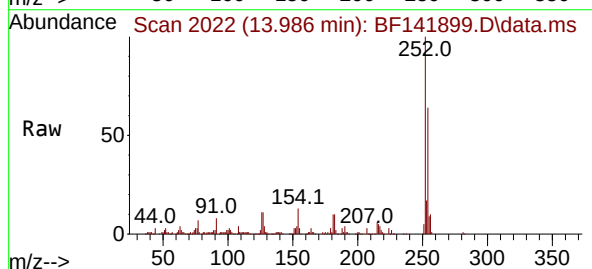
Instrument :
BNA_F
ClientSampleId :
SSTDICC010

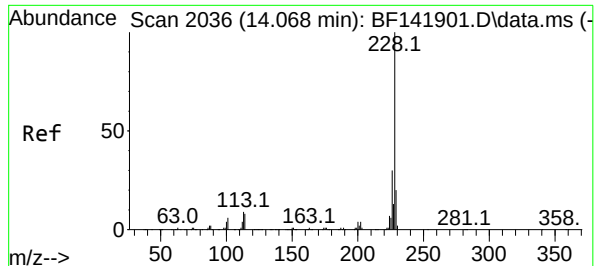
Tgt Ion:228 Resp: 458422
Ion Ratio Lower Upper
228 100
226 26.6 21.8 32.8
229 19.6 16.0 24.0



#82
3,3'-Dichlorobenzidine
Concen: 10.236 ng
RT: 13.986 min Scan# 2022
Delta R.T. -0.006 min
Lab File: BF141899.D
Acq: 10 Mar 2025 12:00

Tgt Ion:252 Resp: 136843
Ion Ratio Lower Upper
252 100
254 64.2 51.0 76.6
126 10.7 8.4 12.6

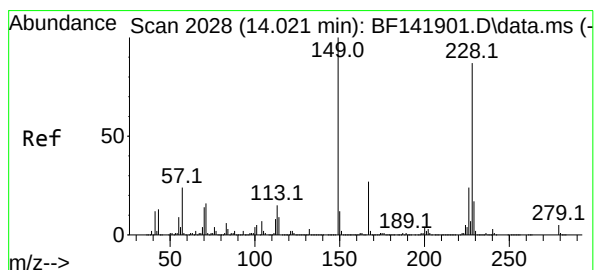
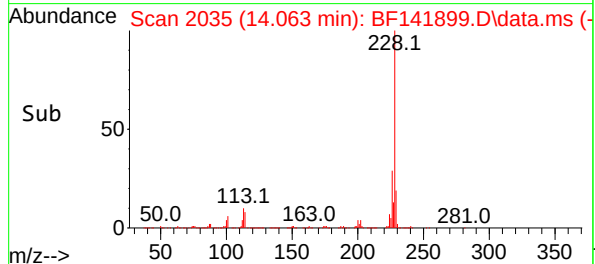
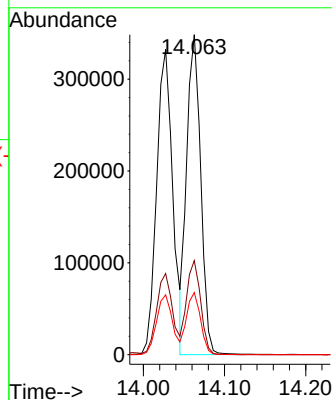
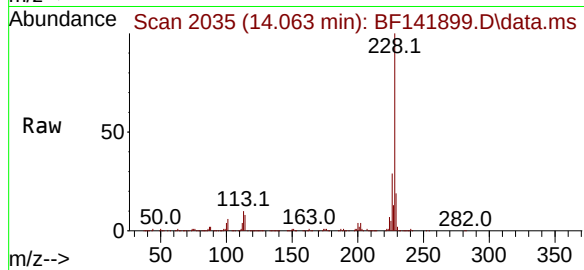




#83
Chrysene
Concen: 10.100 ng
RT: 14.063 min Scan# 2035
Delta R.T. -0.006 min
Lab File: BF141899.D
Acq: 10 Mar 2025 12:00

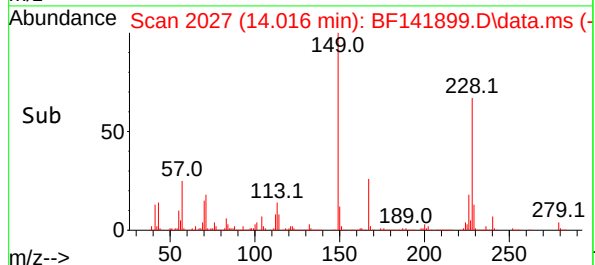
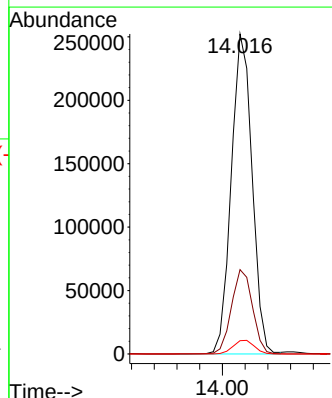
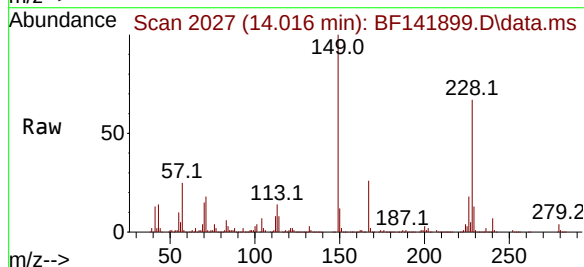
Instrument :
BNA_F
ClientSampleId :
SSTDICC010

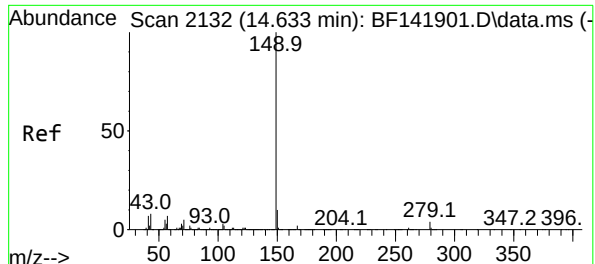
Tgt Ion:228 Resp: 419687
Ion Ratio Lower Upper
228 100
226 29.4 24.1 36.1
229 19.4 15.7 23.5



#84
Bis(2-ethylhexyl)phthalate
Concen: 9.833 ng
RT: 14.016 min Scan# 2027
Delta R.T. -0.006 min
Lab File: BF141899.D
Acq: 10 Mar 2025 12:00

Tgt Ion:149 Resp: 320536
Ion Ratio Lower Upper
149 100
167 26.4 21.4 32.0
279 4.1 3.8 5.6

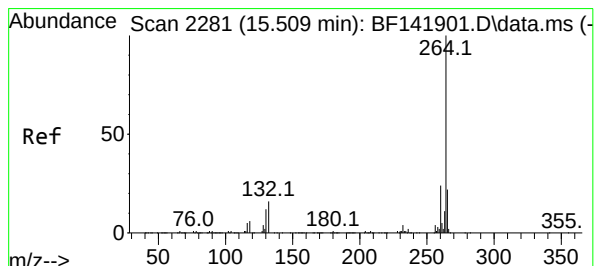
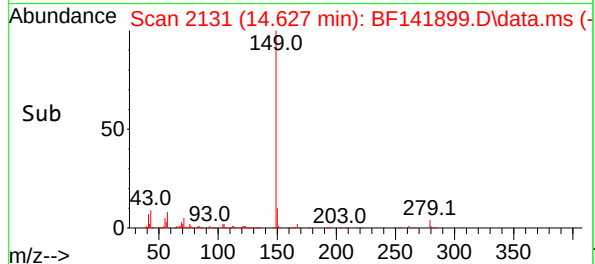
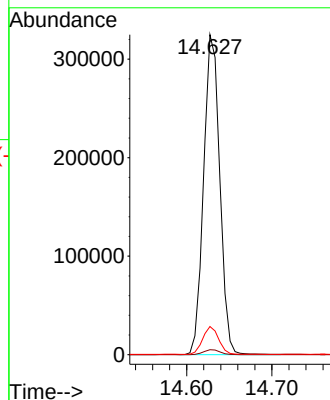
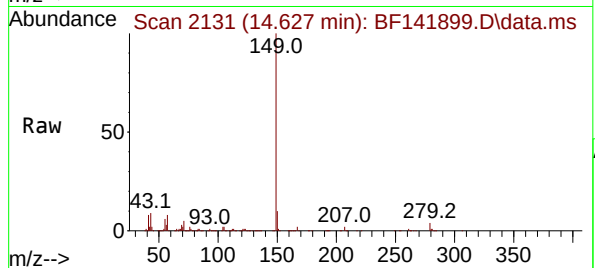




#85
Di-n-octyl phthalate
Concen: 9.442 ng
RT: 14.627 min Scan# 2132
Delta R.T. -0.006 min
Lab File: BF141899.D
Acq: 10 Mar 2025 12:00

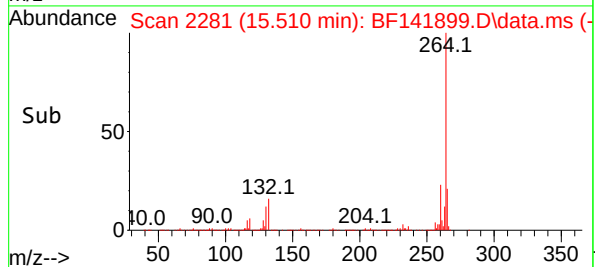
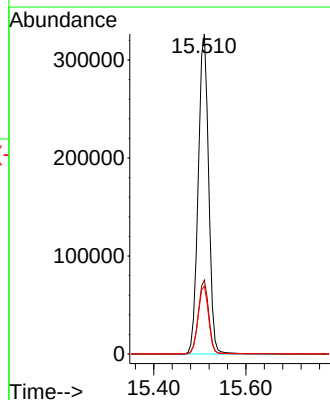
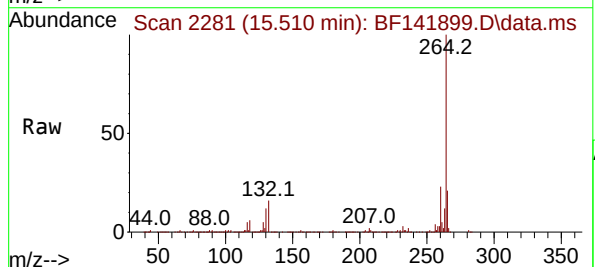
Instrument :
BNA_F
ClientSampleId :
SSTDICC010

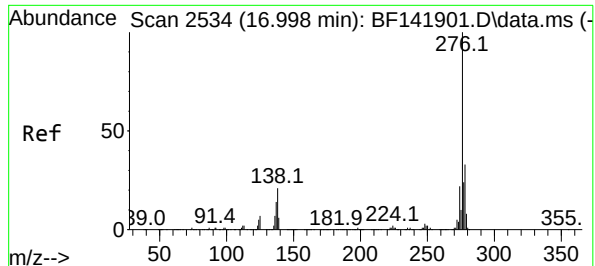
Tgt Ion:149 Resp: 428377
Ion Ratio Lower Upper
149 100
167 1.6 1.3 1.9
43 8.6 6.9 10.3



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.510 min Scan# 2281
Delta R.T. 0.000 min
Lab File: BF141899.D
Acq: 10 Mar 2025 12:00

Tgt Ion:264 Resp: 510790
Ion Ratio Lower Upper
264 100
260 23.1 19.1 28.7
265 21.2 17.5 26.3

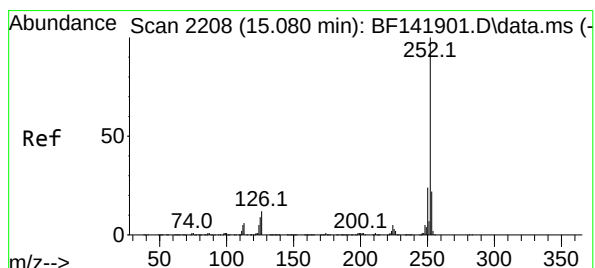
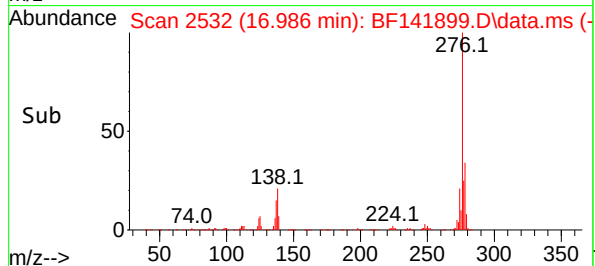
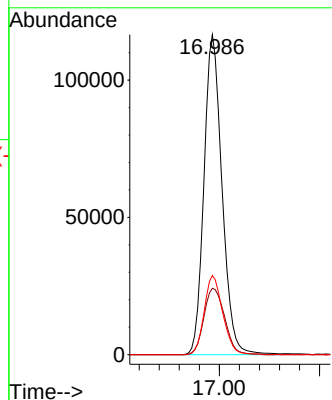
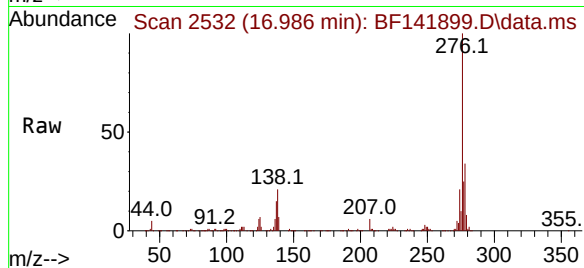




#87
Indeno(1,2,3-cd)pyrene
Concen: 8.807 ng
RT: 16.986 min Scan# 21
Delta R.T. -0.012 min
Lab File: BF141899.D
Acq: 10 Mar 2025 12:00

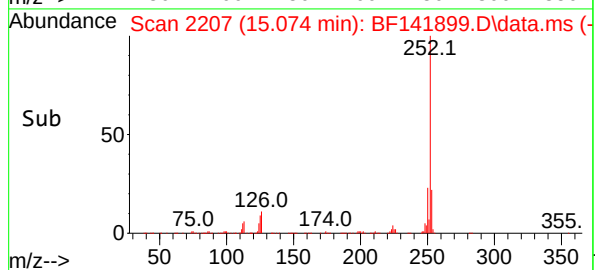
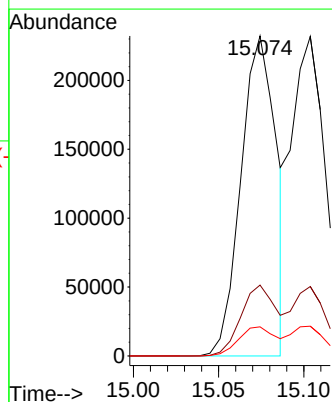
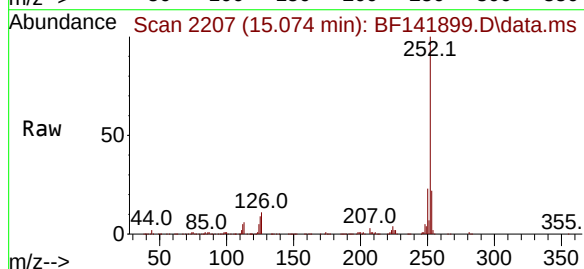
Instrument :
BNA_F
ClientSampleId :
SSTDICC010

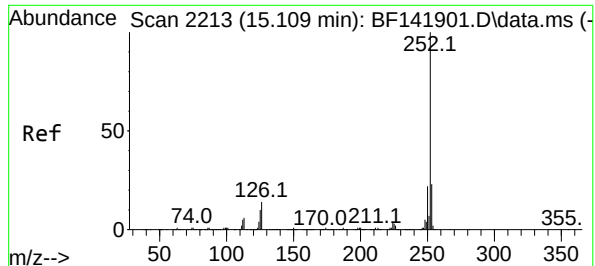
Tgt Ion:276 Resp: 291723
Ion Ratio Lower Upper
276 100
138 23.8 18.4 27.6
277 25.3 20.3 30.5



#88
Benzo(b)fluoranthene
Concen: 9.659 ng
RT: 15.074 min Scan# 2207
Delta R.T. -0.006 min
Lab File: BF141899.D
Acq: 10 Mar 2025 12:00

Tgt Ion:252 Resp: 334664
Ion Ratio Lower Upper
252 100
253 22.1 17.5 26.3
125 9.1 7.0 10.4





#89

Benzo(k)fluoranthene

Concen: 10.698 ng

RT: 15.104 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF141899.D

Acq: 10 Mar 2025 12:00

Instrument :

BNA_F

ClientSampleId :

SSTDICC010

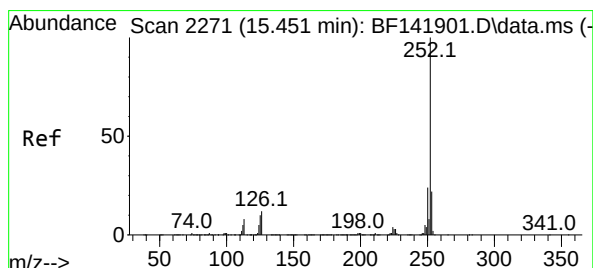
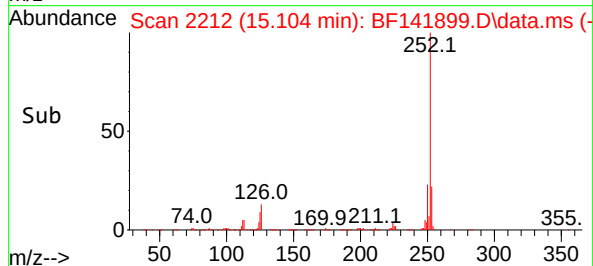
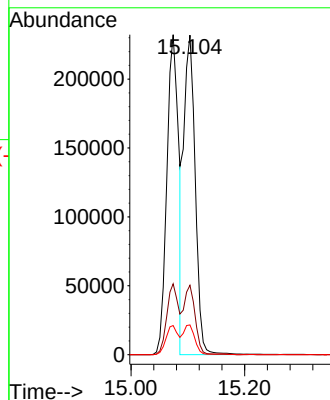
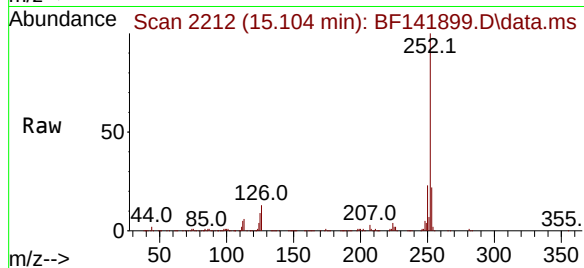
Tgt Ion:252 Resp: 323772

Ion Ratio Lower Upper

252 100

253 21.7 17.7 26.5

125 9.3 7.2 10.8



#90

Benzo(a)pyrene

Concen: 9.740 ng

RT: 15.439 min Scan# 2269

Delta R.T. -0.012 min

Lab File: BF141899.D

Acq: 10 Mar 2025 12:00

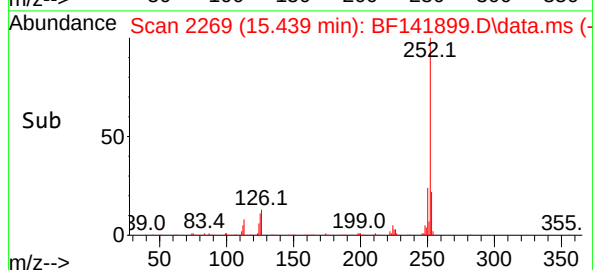
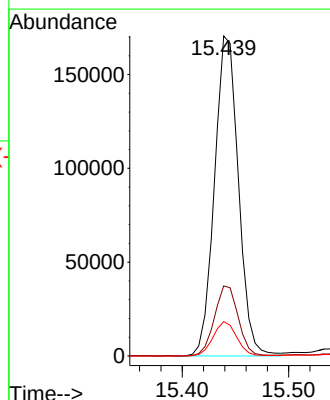
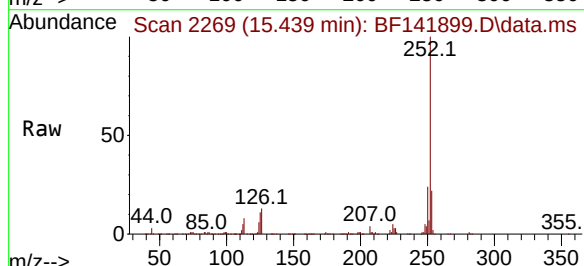
Tgt Ion:252 Resp: 266149

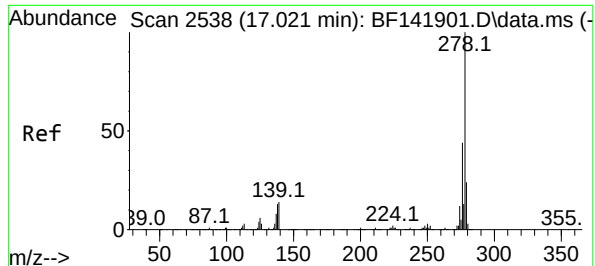
Ion Ratio Lower Upper

252 100

253 21.9 17.4 26.0

125 10.7 7.8 11.8





#91

Dibenzo(a,h)anthracene

Concen: 8.907 ng

RT: 17.004 min Scan# 21

Delta R.T. -0.018 min

Lab File: BF141899.D

Acq: 10 Mar 2025 12:00

Instrument :

BNA_F

ClientSampleId :

SSTDICC010

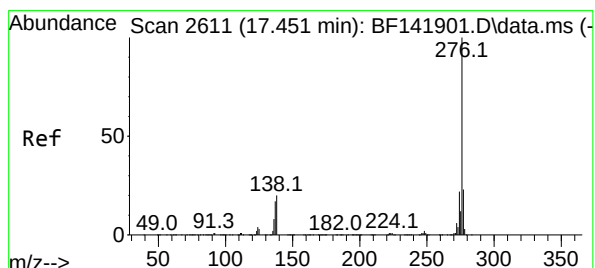
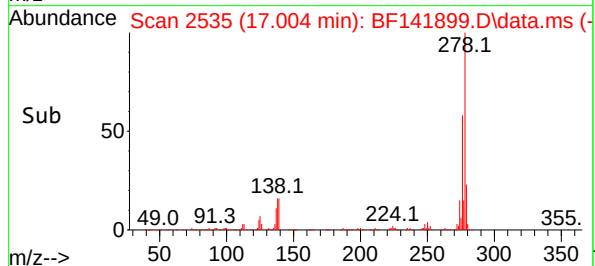
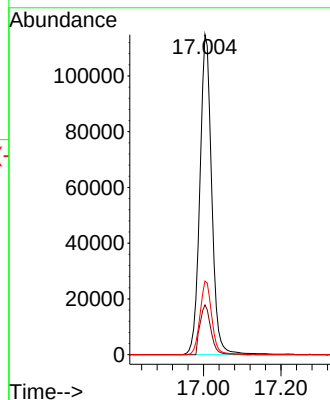
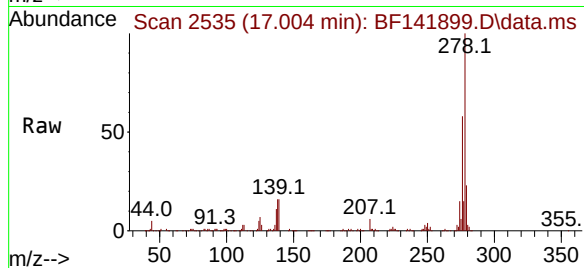
Tgt Ion:278 Resp: 243443

Ion Ratio Lower Upper

278 100

139 15.5 11.4 17.2

279 23.0 18.8 28.2



#92

Benzo(g,h,i)perylene

Concen: 8.941 ng

RT: 17.433 min Scan# 2608

Delta R.T. -0.018 min

Lab File: BF141899.D

Acq: 10 Mar 2025 12:00

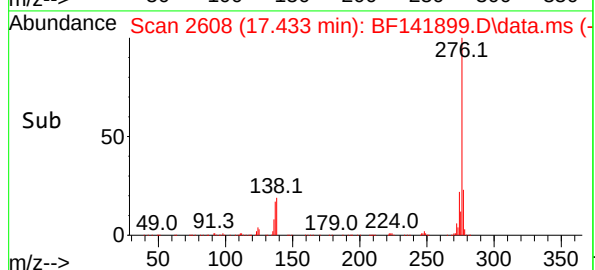
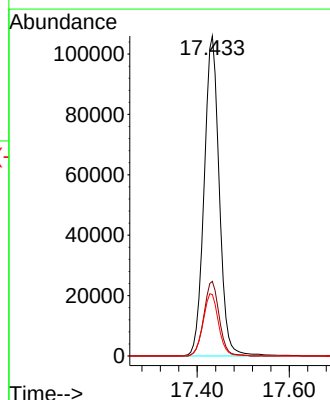
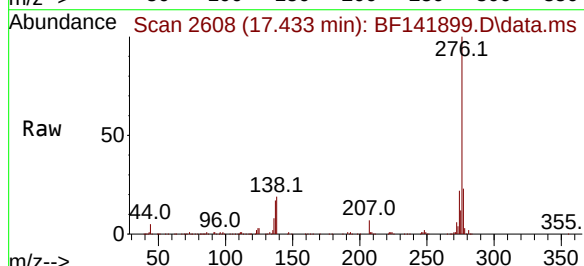
Tgt Ion:276 Resp: 242380

Ion Ratio Lower Upper

276 100

277 23.3 18.7 28.1

138 19.2 15.8 23.8



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF031025\
 Data File : BF141900.D
 Acq On : 10 Mar 2025 12:29
 Operator : RC/JU
 Sample : SSTDICC020
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SSTDICC020

Quant Time: Mar 10 15:34:30 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF031025.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Mar 10 15:01:52 2025
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.881	152	198053	20.000	ng	0.00
21) Naphthalene-d8	8.163	136	797548	20.000	ng	0.00
39) Acenaphthene-d10	9.916	164	470833	20.000	ng	0.00
64) Phenanthrene-d10	11.404	188	826085	20.000	ng	0.00
76) Chrysene-d12	14.039	240	581591	20.000	ng	0.00
86) Perylene-d12	15.509	264	428960	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.487	112	514189	43.318	ng	0.00
7) Phenol-d6	6.498	99	651272	43.079	ng	0.00
23) Nitrobenzene-d5	7.439	82	604270	42.465	ng	0.00
42) 2,4,6-Tribromophenol	10.704	330	243832	40.869	ng	0.00
45) 2-Fluorobiphenyl	9.233	172	1298709	42.002	ng	0.00
79) Terphenyl-d14	12.986	244	1582373	40.218	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	2.669	88	106079	21.323	ng	99
3) Pyridine	3.434	79	264229	21.612	ng	100
4) n-Nitrosodimethylamine	3.375	42	122948	21.155	ng	99
6) Aniline	6.539	93	324802	21.763	ng	99
8) 2-Chlorophenol	6.663	128	284082	21.592	ng	99
9) Benzaldehyde	6.428	77	193024	22.843	ng	98
10) Phenol	6.510	94	346008	21.692	ng	97
11) bis(2-Chloroethyl)ether	6.610	93	253793	21.236	ng	98
12) 1,3-Dichlorobenzene	6.822	146	304632	21.426	ng	98
13) 1,4-Dichlorobenzene	6.898	146	306665	21.319	ng	100
14) 1,2-Dichlorobenzene	7.051	146	289199	21.349	ng	99
15) Benzyl Alcohol	7.016	79	261893	21.402	ng	99
16) 2,2'-oxybis(1-Chloropr...	7.151	45	303847	21.095	ng	99
17) 2-Methylphenol	7.122	107	222173	21.248	ng	97
18) Hexachloroethane	7.392	117	114019	21.141	ng	99
19) n-Nitroso-di-n-propyla...	7.286	70	206654	21.268	ng	97
20) 3+4-Methylphenols	7.275	107	291065	21.702	ng	99
22) Acetophenone	7.286	105	409149	21.385	ng	99
24) Nitrobenzene	7.457	77	299046	21.196	ng	99
25) Isophorone	7.698	82	522239	20.788	ng	100
26) 2-Nitrophenol	7.775	139	144979	20.970	ng	99
27) 2,4-Dimethylphenol	7.804	122	200058	21.009	ng	100
28) bis(2-Chloroethoxy)met...	7.904	93	331966	21.093	ng	99
29) 2,4-Dichlorophenol	8.010	162	246810	20.884	ng	100
30) 1,2,4-Trichlorobenzene	8.098	180	272773	20.922	ng	97
31) Naphthalene	8.181	128	877897	21.487	ng	99
32) Benzoic acid	7.892	122	152420	18.313	ng	99
33) 4-Chloroaniline	8.228	127	313249	21.726	ng	98
34) Hexachlorobutadiene	8.298	225	176253	20.791	ng	99
35) Caprolactam	8.580	113	75048	20.884	ng	99
36) 4-Chloro-3-methylphenol	8.698	107	278207	21.168	ng	100
37) 2-Methylnaphthalene	8.875	142	584552	21.324	ng	99
38) 1-Methylnaphthalene	8.975	142	575428	21.677	ng	99
40) 1,2,4,5-Tetrachloroben...	9.039	216	294845	20.538	ng	99
41) Hexachlorocyclopentadiene	9.028	237	117174	20.685	ng	100
43) 2,4,6-Trichlorophenol	9.145	196	189069	20.203	ng	100

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF031025\
 Data File : BF141900.D
 Acq On : 10 Mar 2025 12:29
 Operator : RC/JU
 Sample : SSTDICC020
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SSTDICC020

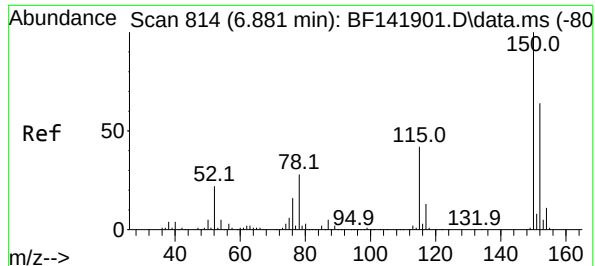
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 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Mar 10 15:01:52 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.180	196	198841	20.912	ng	99
46) 1,1'-Biphenyl	9.333	154	749087	20.985	ng	100
47) 2-Chloronaphthalene	9.363	162	555946	20.898	ng	98
48) 2-Nitroaniline	9.451	65	162790	21.302	ng	97
49) Acenaphthylene	9.775	152	837016	21.222	ng	99
50) Dimethylphthalate	9.633	163	691454	21.137	ng	100
51) 2,6-Dinitrotoluene	9.692	165	143513	21.096	ng	100
52) Acenaphthene	9.951	154	579623	20.813	ng	98
53) 3-Nitroaniline	9.863	138	148977	21.327	ng	98
54) 2,4-Dinitrophenol	9.963	184	58223	20.368	ng	# 33
55) Dibenzofuran	10.122	168	843359	21.238	ng	98
56) 4-Nitrophenol	10.010	139	109958	20.955	ng	100
57) 2,4-Dinitrotoluene	10.098	165	189234	21.132	ng	98
58) Fluorene	10.463	166	650245	21.211	ng	99
59) 2,3,4,6-Tetrachlorophenol	10.233	232	183513	21.272	ng	99
60) Diethylphthalate	10.333	149	704993	21.468	ng	100
61) 4-Chlorophenyl-phenylether	10.457	204	330489	20.698	ng	99
62) 4-Nitroaniline	10.474	138	142995	21.125	ng	99
63) Azobenzene	10.616	77	660935	21.665	ng	99
65) 4,6-Dinitro-2-methylph...	10.504	198	91852	18.755	ng	98
66) n-Nitrosodiphenylamine	10.569	169	553905	20.756	ng	99
67) 4-Bromophenyl-phenylether	10.945	248	210241	20.436	ng	100
68) Hexachlorobenzene	11.010	284	234399	20.613	ng	99
69) Atrazine	11.092	200	159306	24.481	ng	99
70) Pentachlorophenol	11.198	266	141842	20.227	ng	100
71) Phenanthrene	11.427	178	939782	21.038	ng	99
72) Anthracene	11.474	178	940875	20.993	ng	99
73) Carbazole	11.627	167	813998	21.096	ng	100
74) Di-n-butylphthalate	11.963	149	1089304	21.382	ng	99
75) Fluoranthene	12.610	202	1014464	21.632	ng	100
77) Benzidine	12.733	184	110648	13.463	ng	99
78) Pyrene	12.839	202	1004157	20.133	ng	99
80) Butylbenzylphthalate	13.457	149	408044	20.761	ng	98
81) Benzo(a)anthracene	14.027	228	776120	20.285	ng	99
82) 3,3'-Dichlorobenzidine	13.992	252	221168	19.999	ng	99
83) Chrysene	14.062	228	732966	21.325	ng	100
84) Bis(2-ethylhexyl)phtha...	14.015	149	562062	20.845	ng	99
85) Di-n-octyl phthalate	14.633	149	778373	20.740	ng	100
87) Indeno(1,2,3-cd)pyrene	16.992	276	560913	20.163	ng	99
88) Benzo(b)fluoranthene	15.074	252	636808	21.886	ng	100
89) Benzo(k)fluoranthene	15.104	252	513311	20.196	ng	99
90) Benzo(a)pyrene	15.445	252	481683	20.991	ng	100
91) Dibenzo(a,h)anthracene	17.009	278	460109	20.046	ng	99
92) Benzo(g,h,i)perylene	17.439	276	455034	19.987	ng	99

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

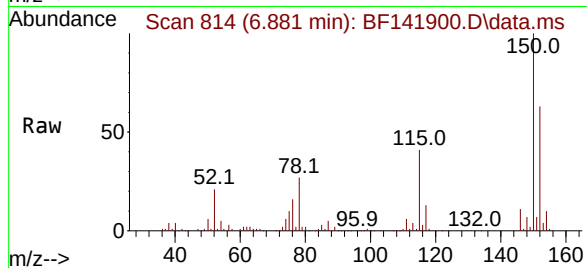
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BNA_F
ClientSampleId :
SSTDICC020

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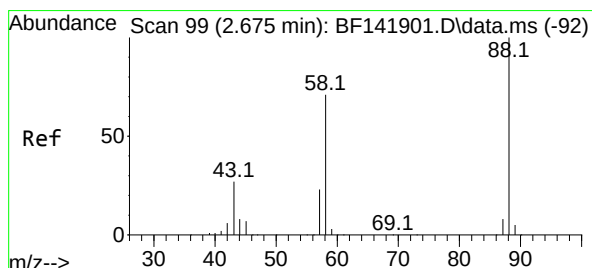
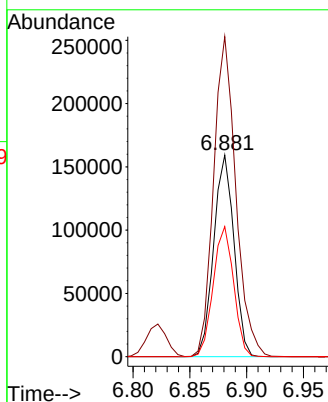
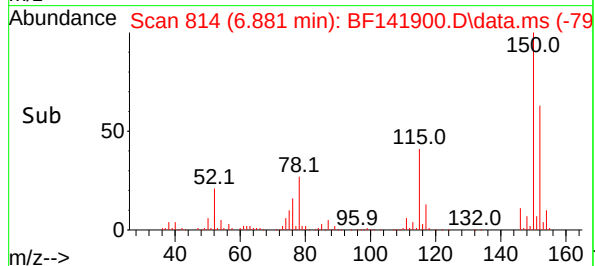


#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.881 min Scan# 814
Delta R.T. -0.000 min
Lab File: BF141900.D
Acq: 10 Mar 2025 12:29

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

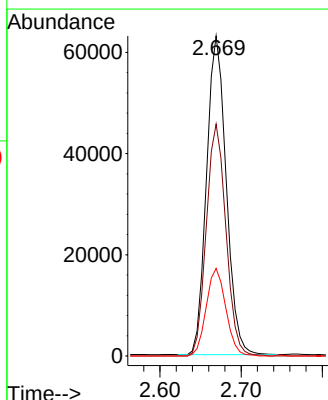
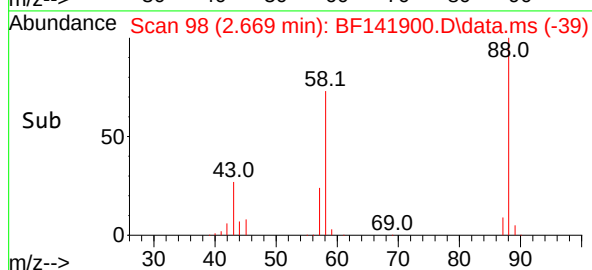
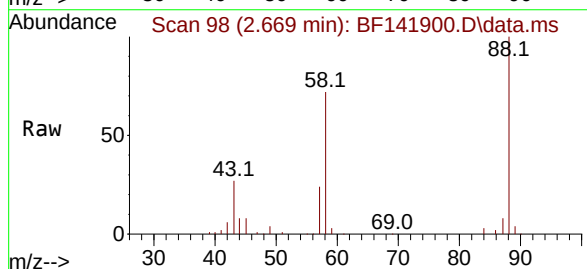


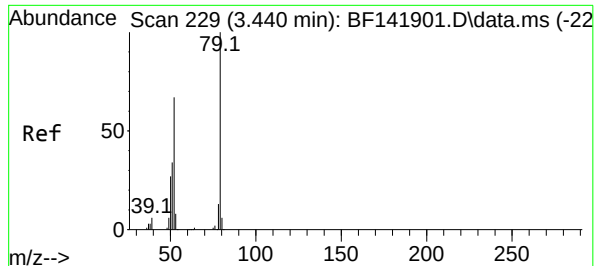
Tgt Ion:152 Resp: 198053
Ion Ratio Lower Upper
152 100
150 158.7 127.4 191.2
115 64.5 51.9 77.9



#2
1,4-Dioxane
Concen: 21.323 ng
RT: 2.669 min Scan# 98
Delta R.T. -0.006 min
Lab File: BF141900.D
Acq: 10 Mar 2025 12:29

Tgt Ion: 88 Resp: 106079
Ion Ratio Lower Upper
88 100
58 72.3 57.4 86.2
43 27.4 21.5 32.3





#3

Pyridine

Concen: 21.612 ng

RT: 3.434 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF141900.D

Acq: 10 Mar 2025 12:29

Instrument :

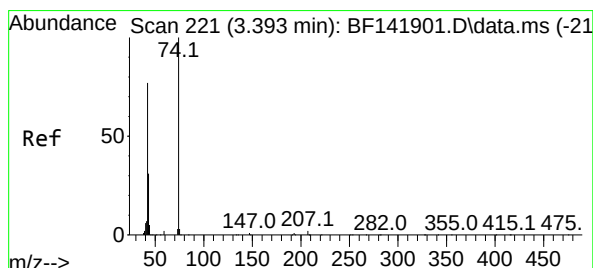
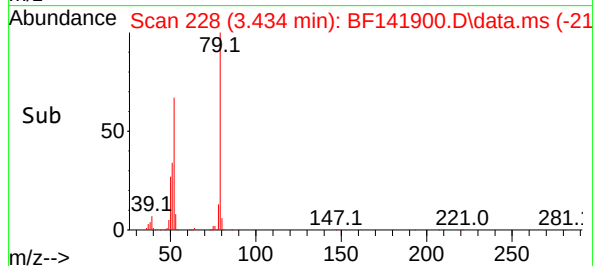
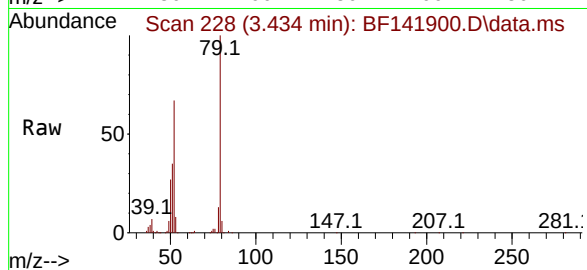
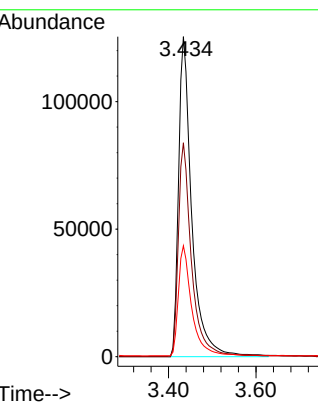
BNA_F

ClientSampleId :

SSTDICC020

Tgt Ion: 79 Resp: 264229

Ion	Ratio	Lower	Upper
79	100		
52	66.8	53.3	79.9
51	34.7	27.6	41.4



#4

n-Nitrosodimethylamine

Concen: 21.155 ng

RT: 3.375 min Scan# 218

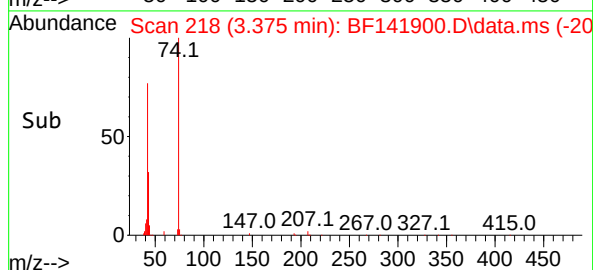
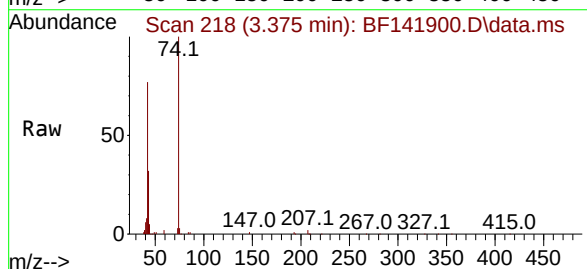
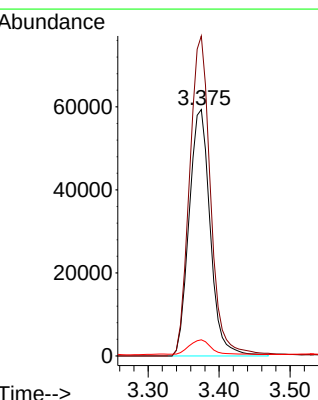
Delta R.T. -0.018 min

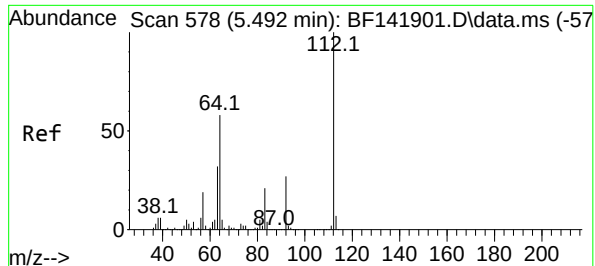
Lab File: BF141900.D

Acq: 10 Mar 2025 12:29

Tgt Ion: 42 Resp: 122948

Ion	Ratio	Lower	Upper
42	100		
74	129.9	103.4	155.0
44	6.5	5.0	7.4

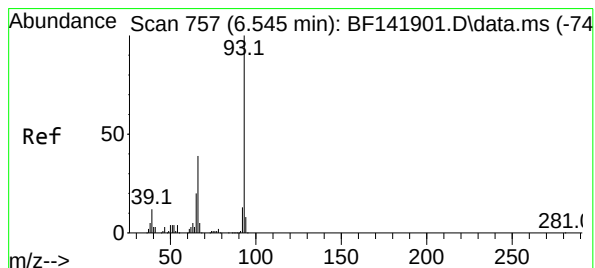
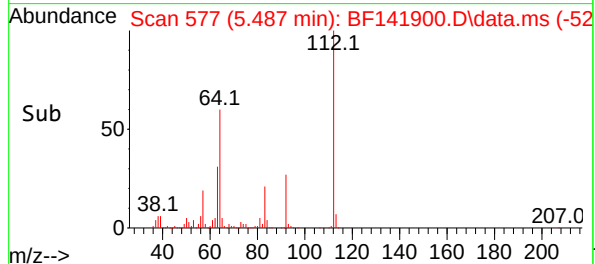
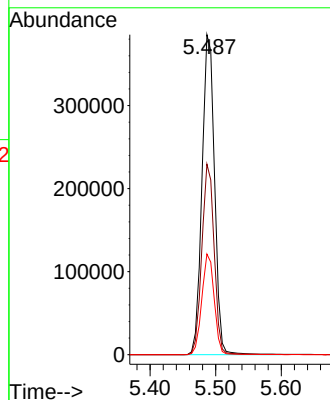
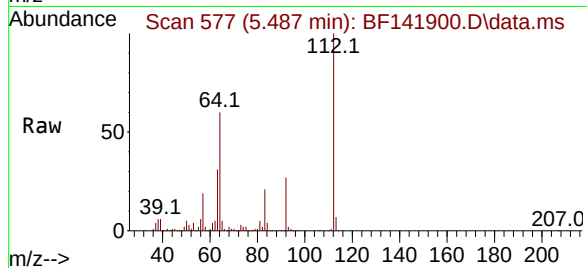




#5
2-Fluorophenol
Concen: 43.318 ng
RT: 5.487 min Scan# 51
Delta R.T. -0.006 min
Lab File: BF141900.D
Acq: 10 Mar 2025 12:29

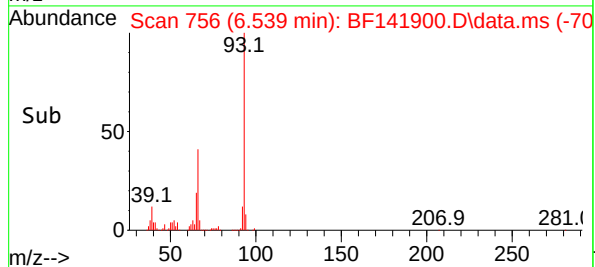
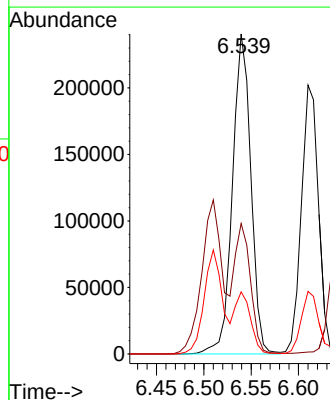
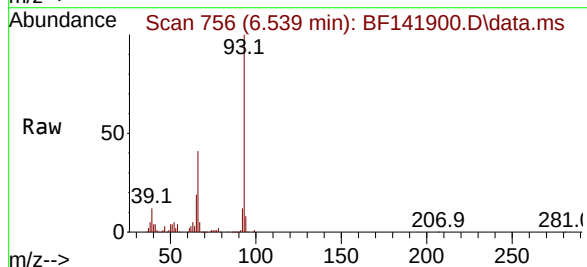
Instrument :
BNA_F
ClientSampleId :
SSTDICC020

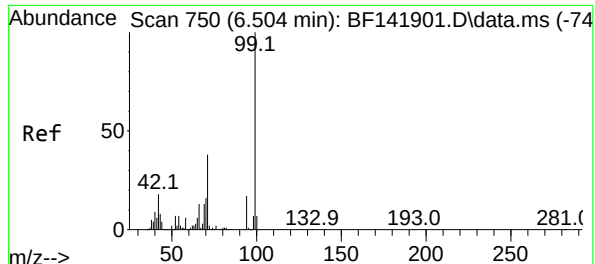
Tgt Ion:112 Resp: 514189
Ion Ratio Lower Upper
112 100
64 59.5 46.5 69.7
63 31.4 25.4 38.2



#6
Aniline
Concen: 21.763 ng
RT: 6.539 min Scan# 756
Delta R.T. -0.006 min
Lab File: BF141900.D
Acq: 10 Mar 2025 12:29

Tgt Ion: 93 Resp: 324802
Ion Ratio Lower Upper
93 100
66 40.8 31.9 47.9
65 19.4 15.8 23.6

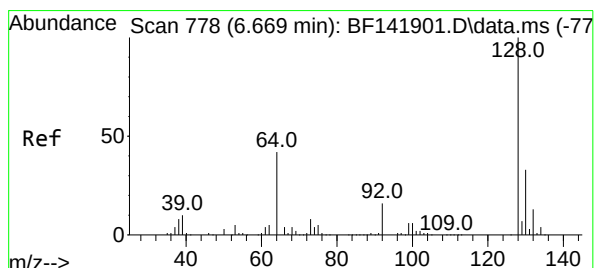
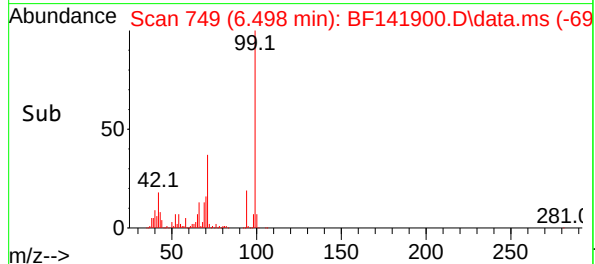
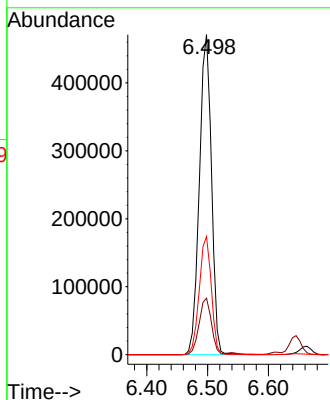
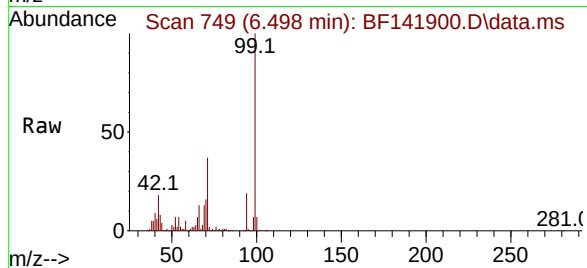




#7
Phenol-d6
Concen: 43.079 ng
RT: 6.498 min Scan# 749
Delta R.T. -0.006 min
Lab File: BF141900.D
Acq: 10 Mar 2025 12:29

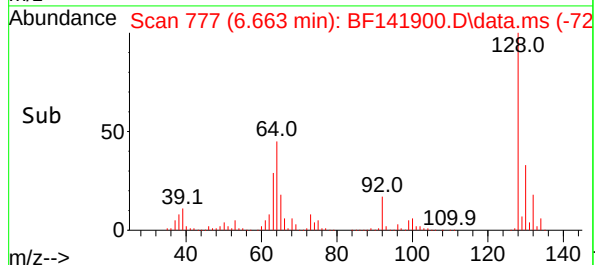
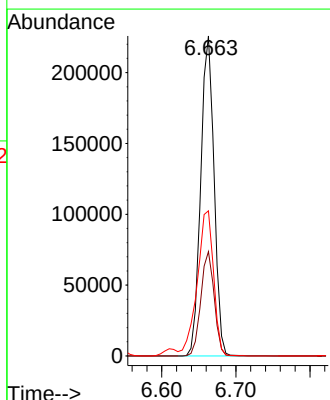
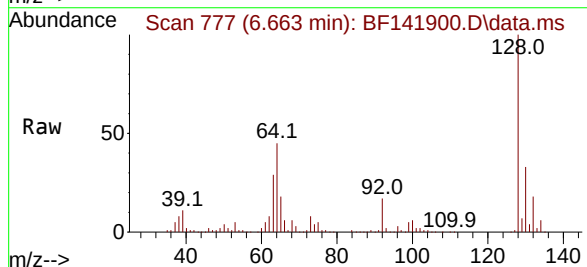
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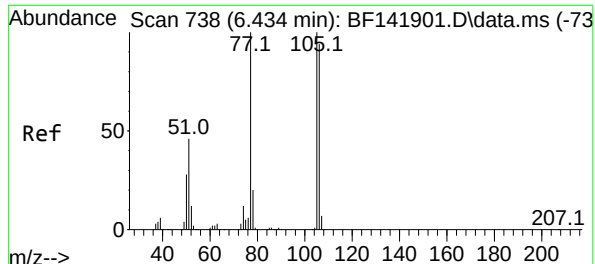
Tgt Ion: 99 Resp: 651272
Ion Ratio Lower Upper
99 100
42 17.6 14.6 21.8
71 36.9 30.8 46.2



#8
2-Chlorophenol
Concen: 21.592 ng
RT: 6.663 min Scan# 777
Delta R.T. -0.006 min
Lab File: BF141900.D
Acq: 10 Mar 2025 12:29

Tgt Ion: 128 Resp: 284082
Ion Ratio Lower Upper
128 100
130 32.6 12.8 52.8
64 45.4 24.4 64.4

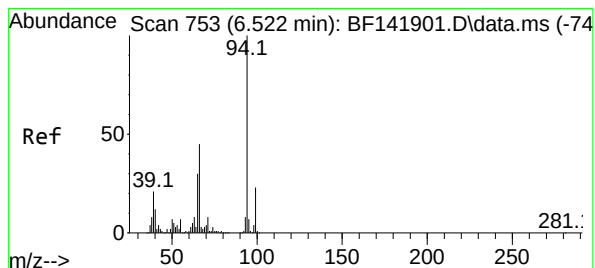
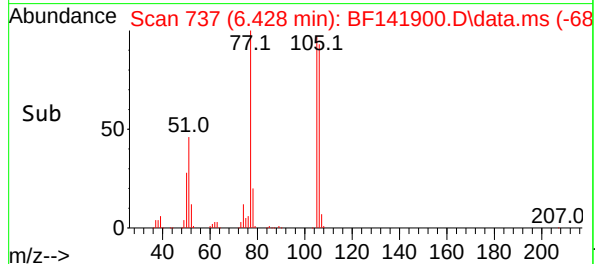
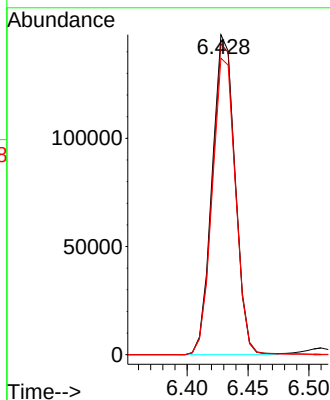
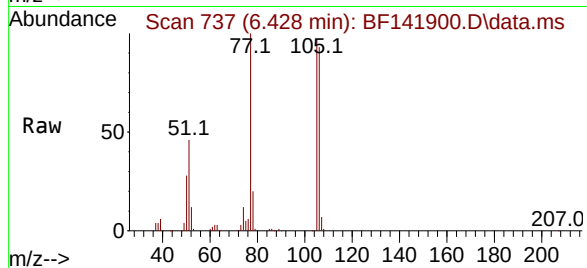




#9
Benzaldehyde
Concen: 22.843 ng
RT: 6.428 min Scan# 710
Delta R.T. -0.006 min
Lab File: BF141900.D
Acq: 10 Mar 2025 12:29

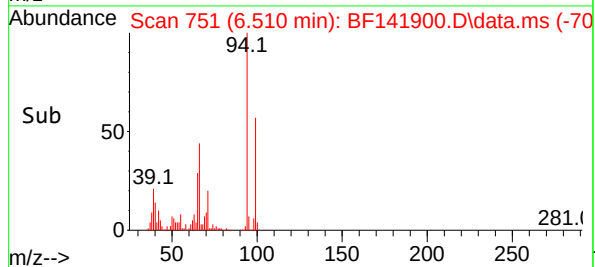
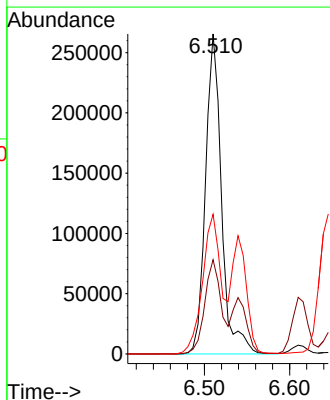
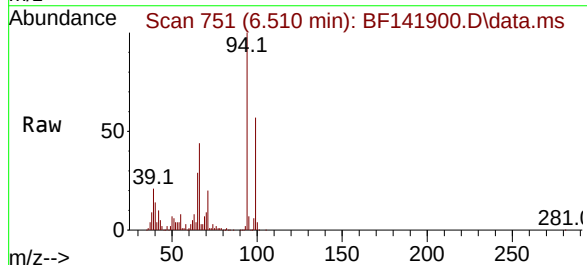
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ClientSampleId :
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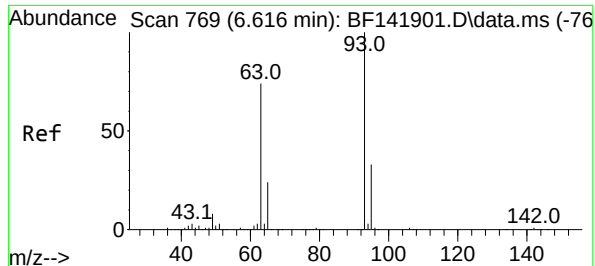
Tgt Ion: 77 Resp: 193024
Ion Ratio Lower Upper
77 100
105 97.1 80.0 120.0
106 92.6 74.5 114.5



#10
Phenol
Concen: 21.692 ng
RT: 6.510 min Scan# 751
Delta R.T. -0.012 min
Lab File: BF141900.D
Acq: 10 Mar 2025 12:29

Tgt Ion: 94 Resp: 346008
Ion Ratio Lower Upper
94 100
65 29.5 10.5 50.5
66 43.6 25.8 65.8





#11

bis(2-Chloroethyl)ether

Concen: 21.236 ng

RT: 6.610 min Scan# 769

Delta R.T. -0.006 min

Lab File: BF141900.D

Acq: 10 Mar 2025 12:29

Instrument :

BNA_F

ClientSampleId :

SSTDICC020

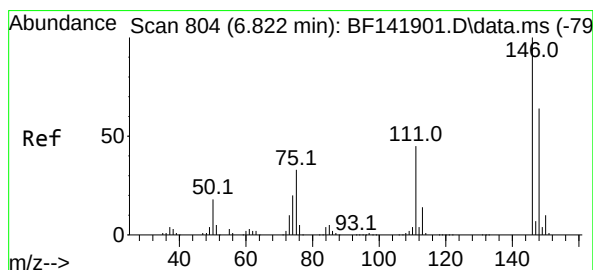
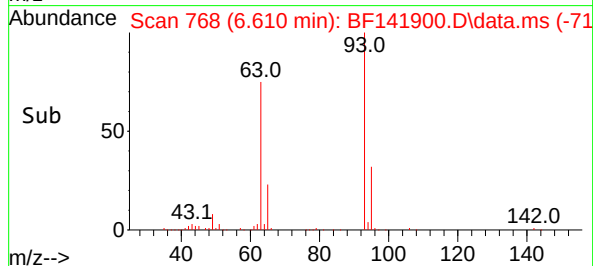
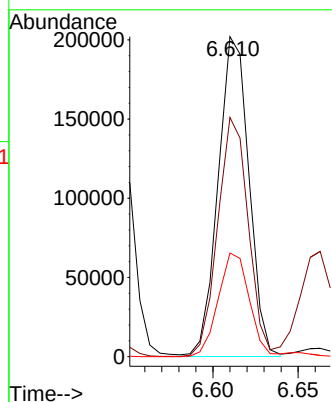
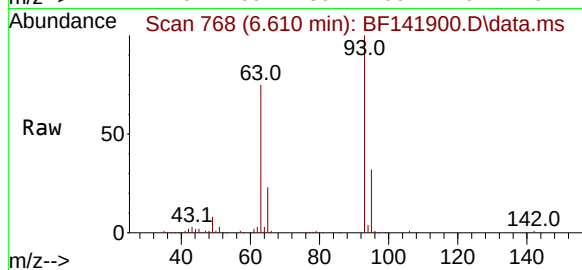
Tgt Ion: 93 Resp: 253793

Ion Ratio Lower Upper

93 100

63 74.8 53.0 93.0

95 32.4 12.9 52.9



#12

1,3-Dichlorobenzene

Concen: 21.426 ng

RT: 6.822 min Scan# 804

Delta R.T. 0.000 min

Lab File: BF141900.D

Acq: 10 Mar 2025 12:29

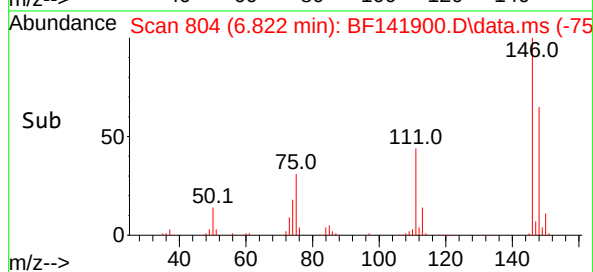
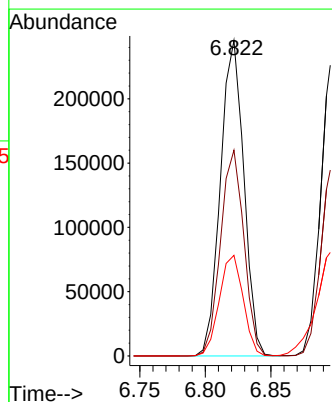
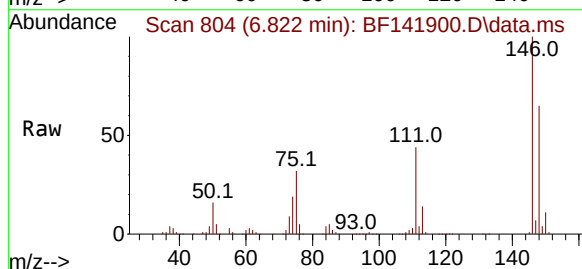
Tgt Ion:146 Resp: 304632

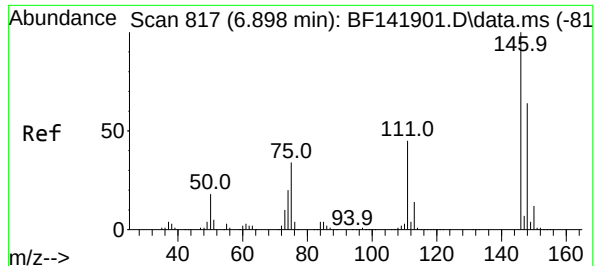
Ion Ratio Lower Upper

146 100

148 65.2 51.3 76.9

75 31.9 26.6 40.0





#13

1,4-Dichlorobenzene

Concen: 21.319 ng

RT: 6.898 min Scan# 817

Delta R.T. 0.000 min

Lab File: BF141900.D

Acq: 10 Mar 2025 12:29

Instrument :

BNA_F

ClientSampleId :

SSTDIC020

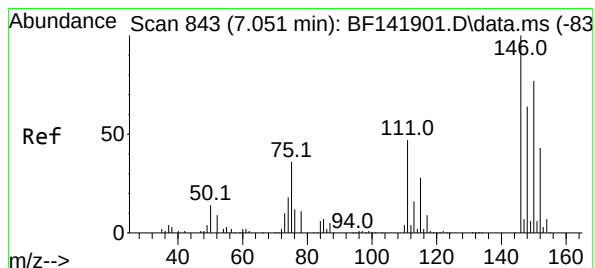
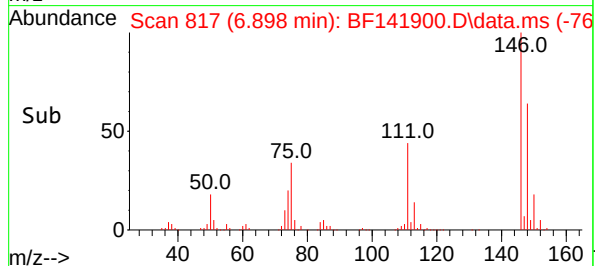
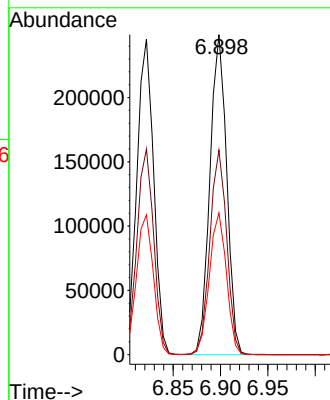
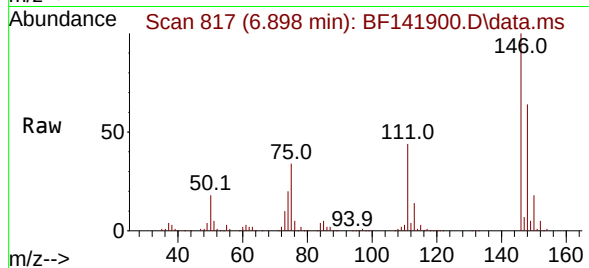
Tgt Ion:146 Resp: 306665

Ion Ratio Lower Upper

146 100

148 63.9 51.0 76.6

111 44.3 35.7 53.5



#14

1,2-Dichlorobenzene

Concen: 21.349 ng

RT: 7.051 min Scan# 843

Delta R.T. 0.000 min

Lab File: BF141900.D

Acq: 10 Mar 2025 12:29

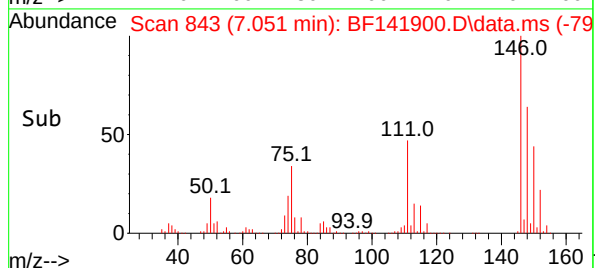
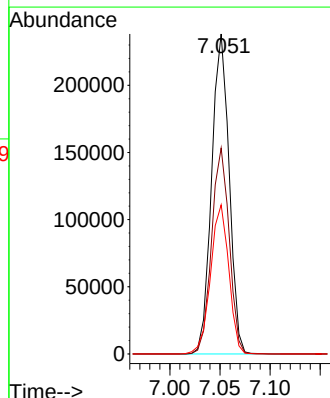
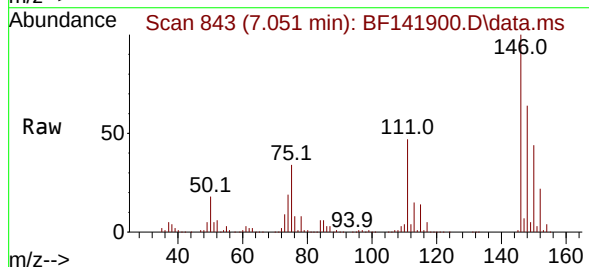
Tgt Ion:146 Resp: 289199

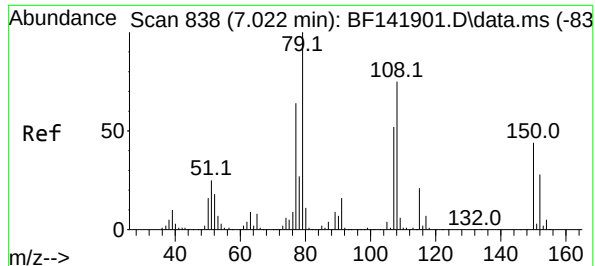
Ion Ratio Lower Upper

146 100

148 64.4 50.8 76.2

111 46.6 38.0 57.0





#15

Benzyl Alcohol

Concen: 21.402 ng

RT: 7.016 min Scan# 81

Delta R.T. -0.006 min

Lab File: BF141900.D

Acq: 10 Mar 2025 12:29

Instrument :

BNA_F

ClientSampleId :

SSTDICC020

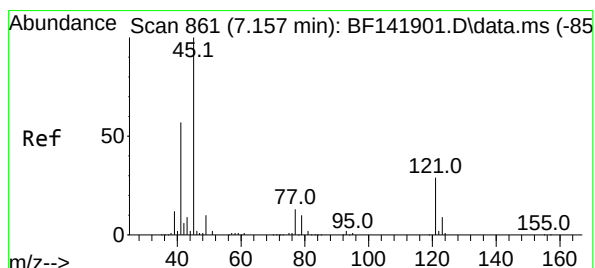
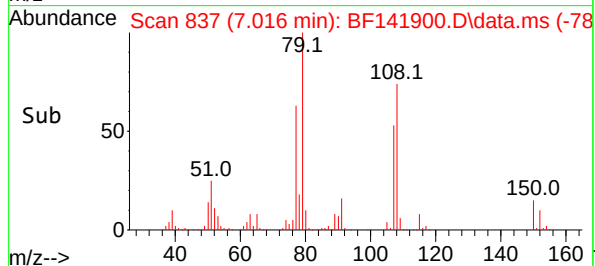
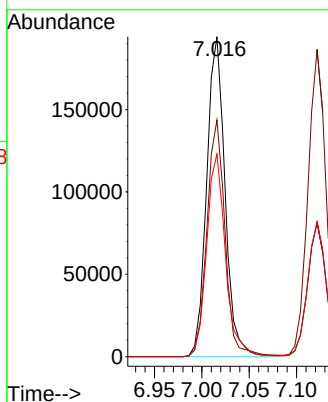
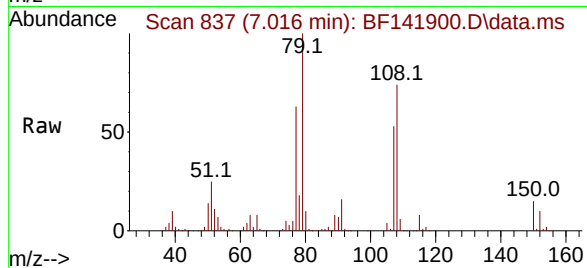
Tgt Ion: 79 Resp: 261893

Ion Ratio Lower Upper

79 100

108 73.9 59.7 89.5

77 63.3 51.0 76.6



#16

2,2'-oxybis(1-chloropropane)

Concen: 21.095 ng

RT: 7.151 min Scan# 860

Delta R.T. -0.006 min

Lab File: BF141900.D

Acq: 10 Mar 2025 12:29

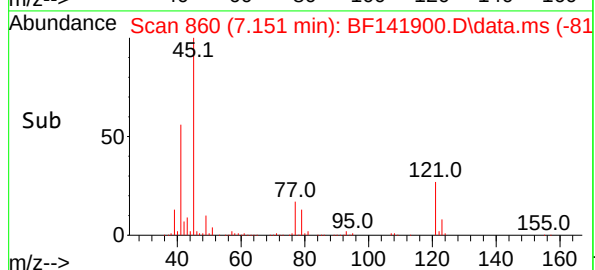
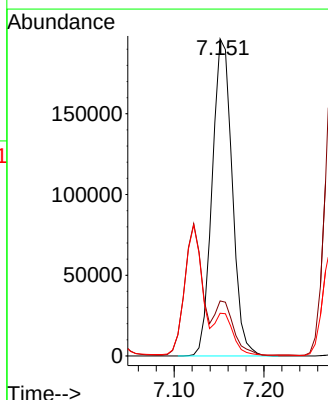
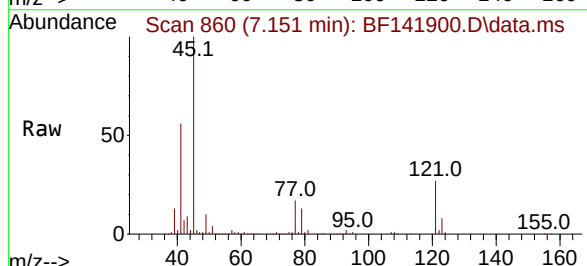
Tgt Ion: 45 Resp: 303847

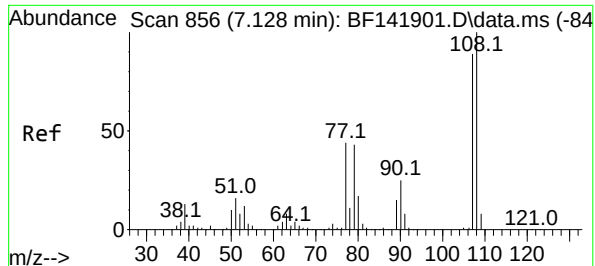
Ion Ratio Lower Upper

45 100

77 17.3 0.0 37.8

79 13.5 0.0 34.2

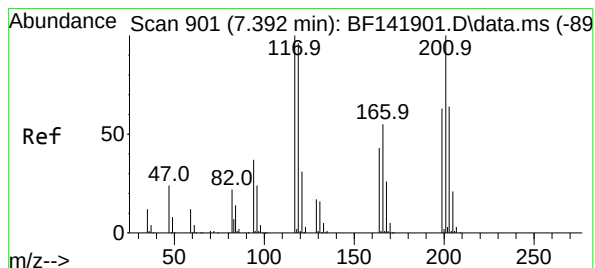
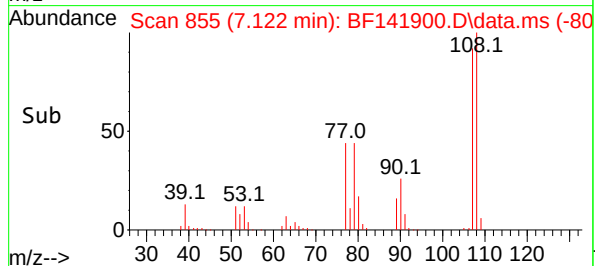
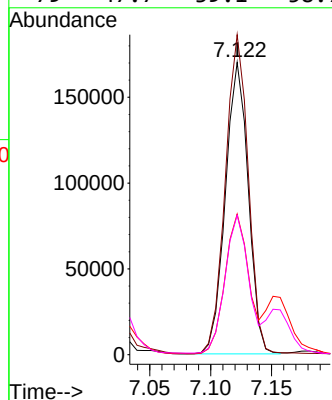
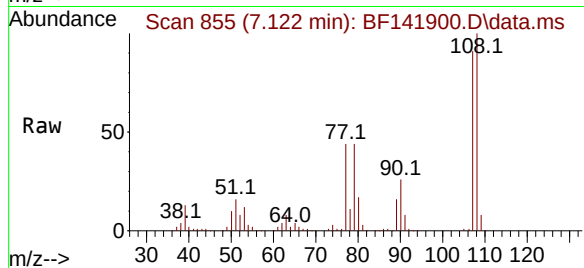




#17
2-Methylphenol
Concen: 21.248 ng
RT: 7.122 min Scan# 856
Delta R.T. -0.006 min
Lab File: BF141900.D
Acq: 10 Mar 2025 12:29

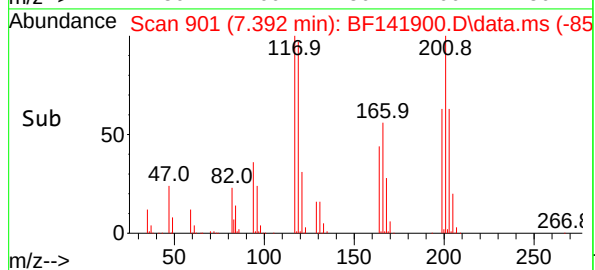
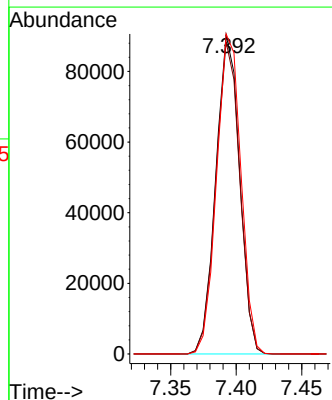
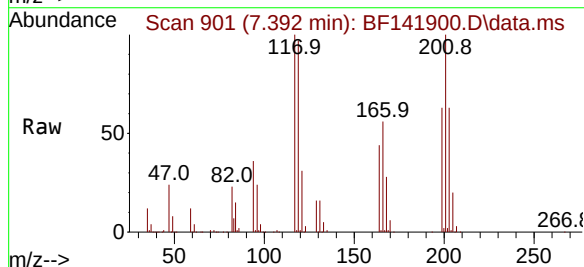
Instrument :
BNA_F
ClientSampleId :
SSTDICC020

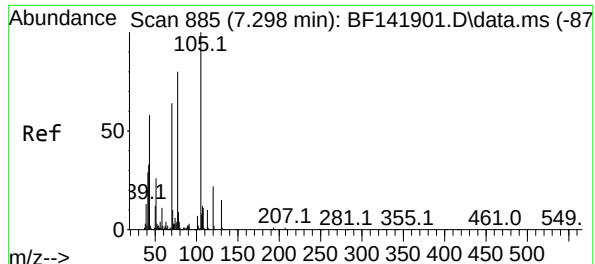
Tgt Ion:107 Resp: 222173
Ion Ratio Lower Upper
107 100
108 109.5 90.2 135.2
77 48.1 39.6 59.4
79 47.7 39.1 58.7



#18
Hexachloroethane
Concen: 21.141 ng
RT: 7.392 min Scan# 901
Delta R.T. 0.000 min
Lab File: BF141900.D
Acq: 10 Mar 2025 12:29

Tgt Ion:117 Resp: 114019
Ion Ratio Lower Upper
117 100
119 97.8 76.9 115.3
201 100.3 79.9 119.9





#19

n-Nitroso-di-n-propylamine

Concen: 21.268 ng

RT: 7.286 min Scan# 885

Delta R.T. -0.012 min

Lab File: BF141900.D

Acq: 10 Mar 2025 12:29

Instrument :

BNA_F

ClientSampleId :

SSTDICC020

Tgt Ion: 70 Resp: 206654

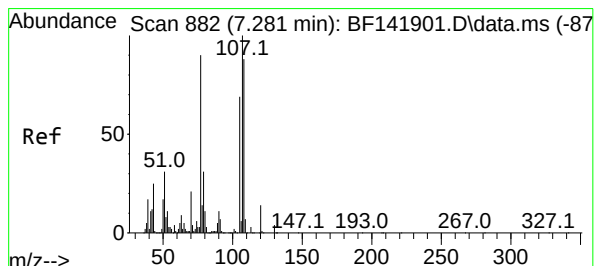
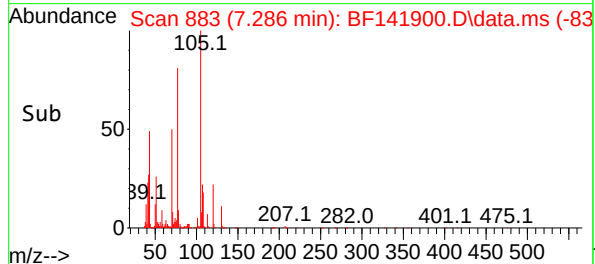
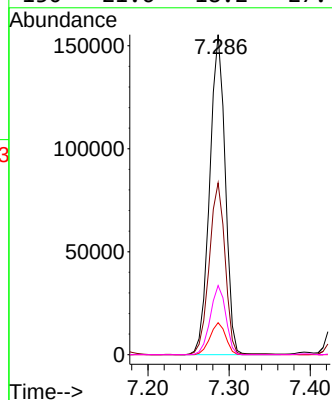
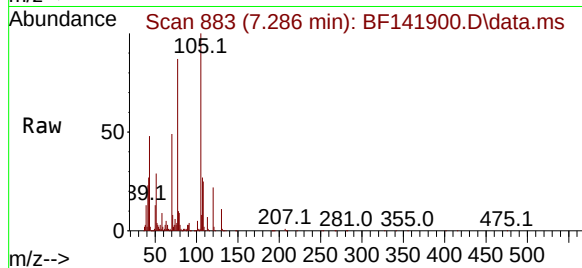
Ion Ratio Lower Upper

70 100

42 53.7 41.4 62.0

101 10.0 8.2 12.2

130 21.6 18.2 27.4



#20

3+4-Methylphenols

Concen: 21.702 ng

RT: 7.275 min Scan# 881

Delta R.T. -0.006 min

Lab File: BF141900.D

Acq: 10 Mar 2025 12:29

Tgt Ion:107 Resp: 291065

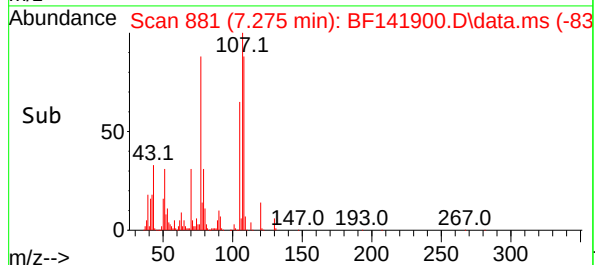
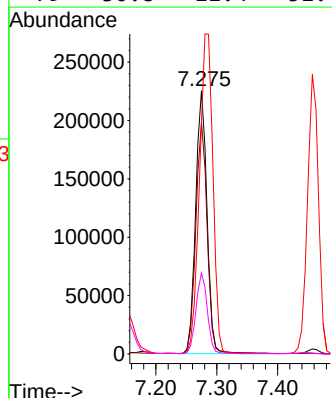
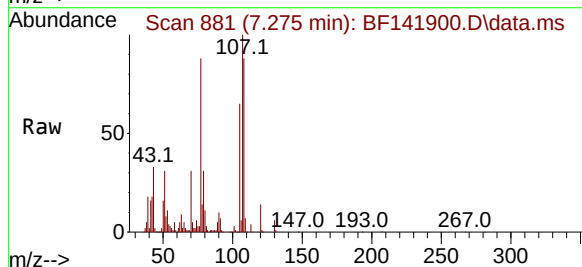
Ion Ratio Lower Upper

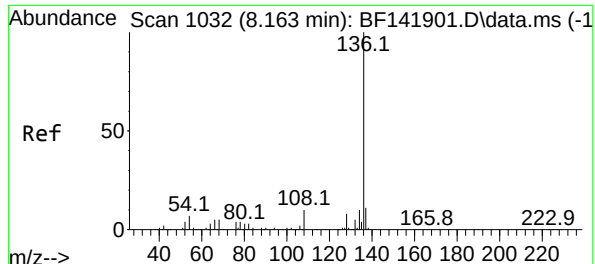
107 100

108 88.1 68.4 108.4

77 87.9 69.7 109.7

79 30.8 11.4 51.4

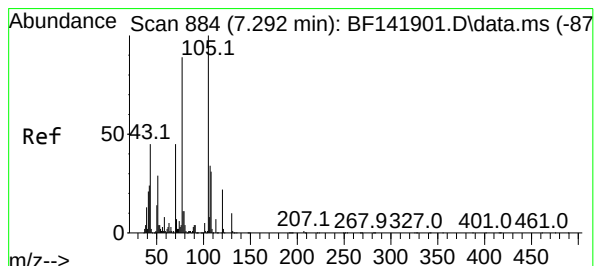
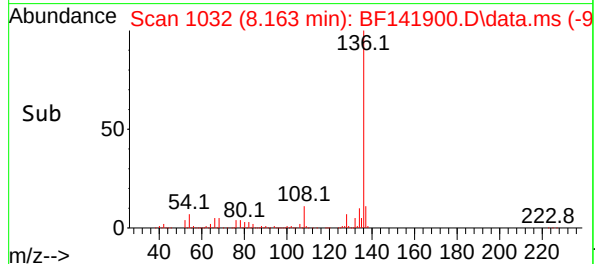
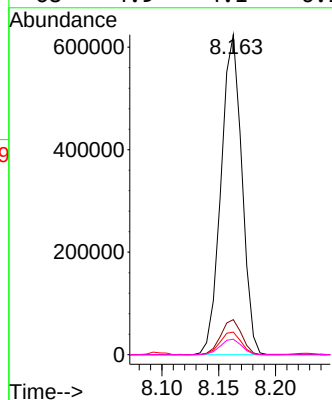
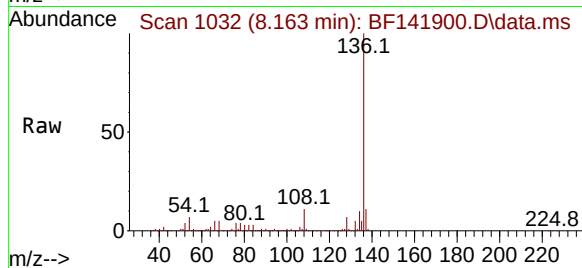




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.163 min Scan# 1032
Delta R.T. -0.000 min
Lab File: BF141900.D
Acq: 10 Mar 2025 12:29

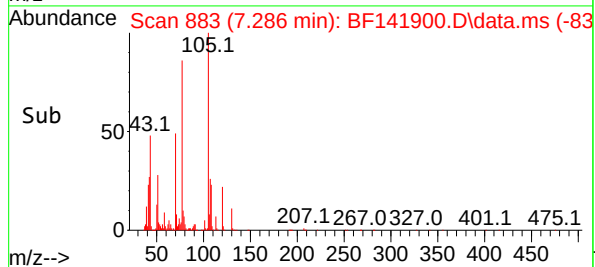
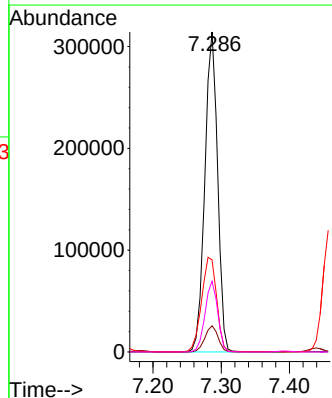
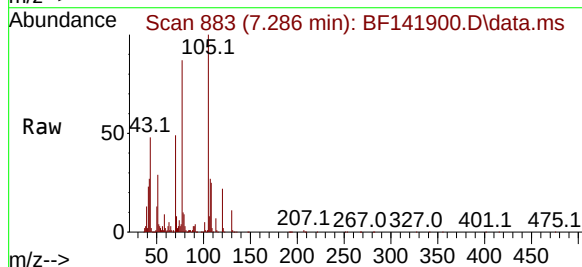
Instrument :
BNA_F
ClientSampleId :
SSTDICC020

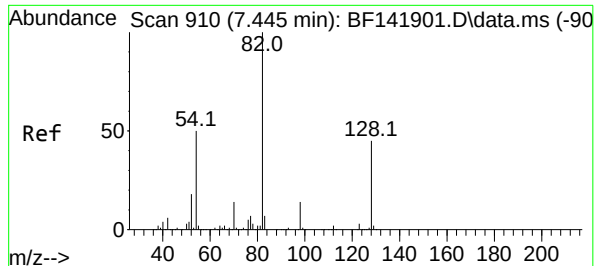
Tgt Ion:	136	Resp:	797548
Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.8	13.2
54	7.1	5.8	8.8
68	4.9	4.1	6.1



#22
Acetophenone
Concen: 21.385 ng
RT: 7.286 min Scan# 883
Delta R.T. -0.006 min
Lab File: BF141900.D
Acq: 10 Mar 2025 12:29

Tgt Ion:	105	Resp:	409149
Ion	Ratio	Lower	Upper
105	100		
71	8.2	5.8	8.8
51	28.8	23.4	35.0
120	22.1	17.3	25.9





#23

Nitrobenzene-d5

Concen: 42.465 ng

RT: 7.439 min Scan# 909

Delta R.T. -0.006 min

Lab File: BF141900.D

Acq: 10 Mar 2025 12:29

Instrument :

BNA_F

ClientSampleId :

SSTDICC020

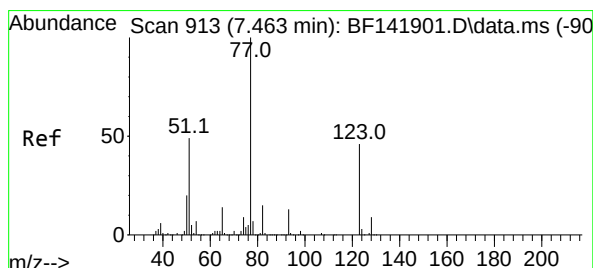
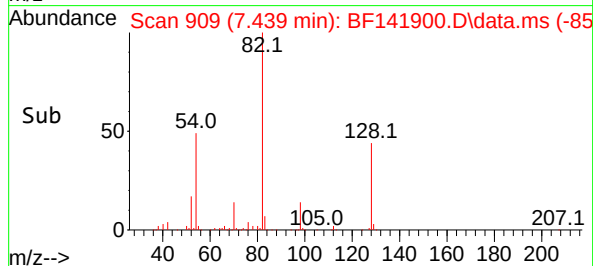
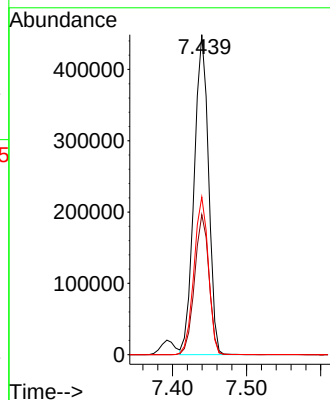
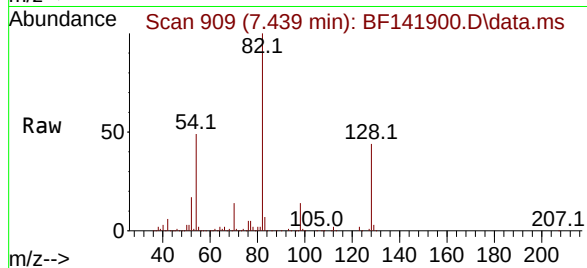
Tgt Ion: 82 Resp: 604270

Ion Ratio Lower Upper

82 100

128 43.8 36.0 54.0

54 49.3 39.6 59.4



#24

Nitrobenzene

Concen: 21.196 ng

RT: 7.457 min Scan# 912

Delta R.T. -0.006 min

Lab File: BF141900.D

Acq: 10 Mar 2025 12:29

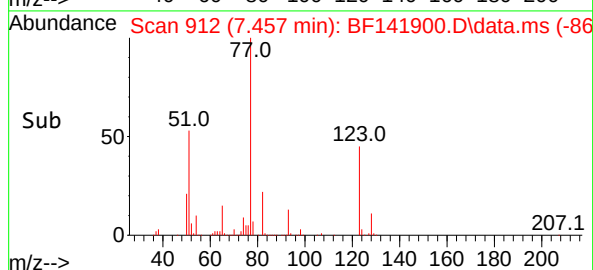
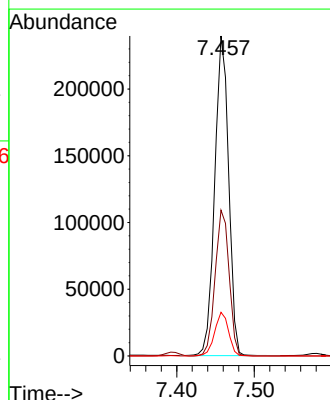
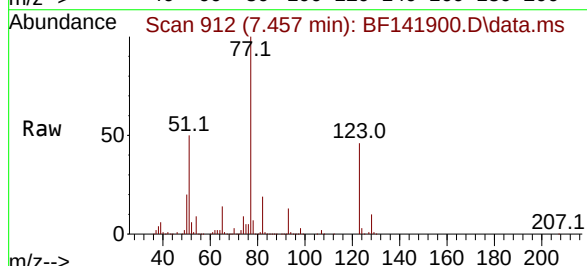
Tgt Ion: 77 Resp: 299046

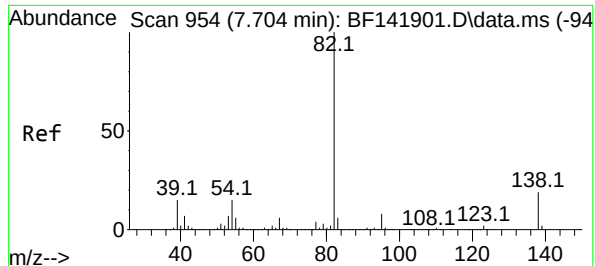
Ion Ratio Lower Upper

77 100

123 45.6 37.0 55.4

65 13.7 11.3 16.9

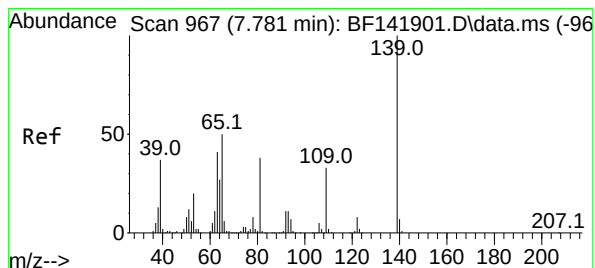
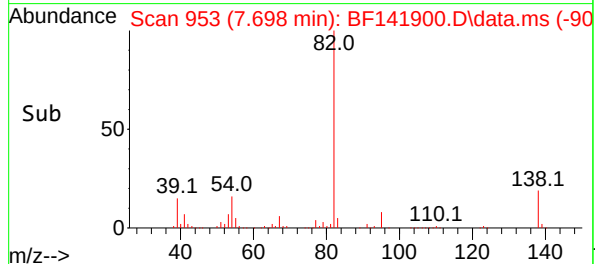
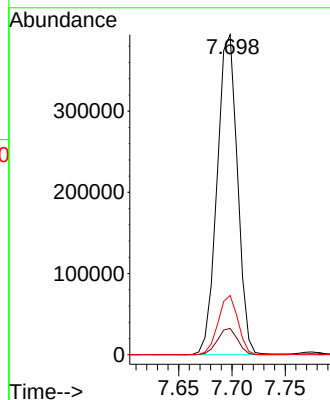
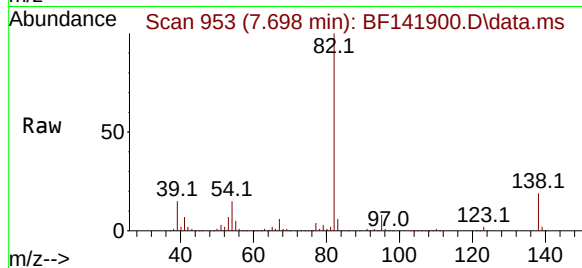




#25
Isophorone
Concen: 20.788 ng
RT: 7.698 min Scan# 91
Delta R.T. -0.006 min
Lab File: BF141900.D
Acq: 10 Mar 2025 12:29

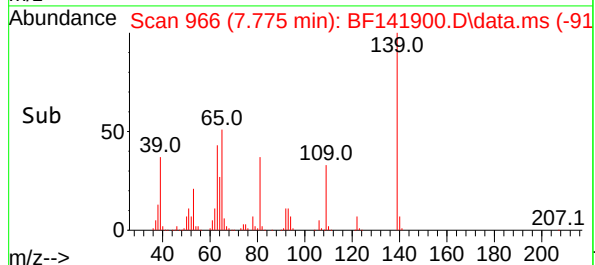
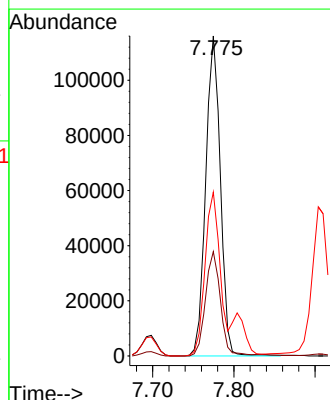
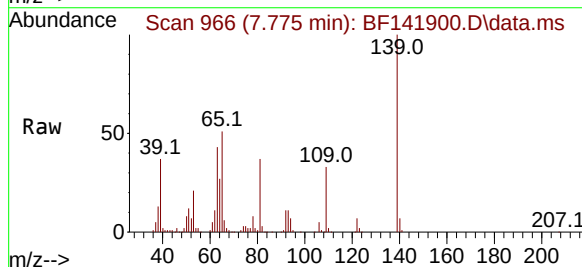
Instrument :
BNA_F
ClientSampleId :
SSTDICC020

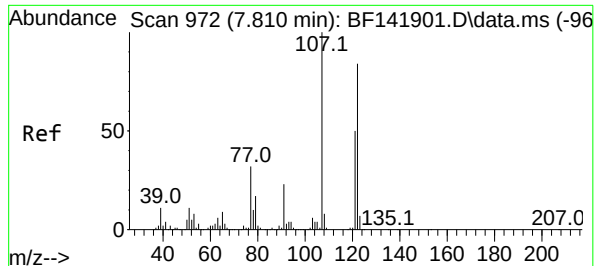
Tgt Ion: 82 Resp: 522239
Ion Ratio Lower Upper
82 100
95 8.2 6.4 9.6
138 18.5 14.9 22.3



#26
2-Nitrophenol
Concen: 20.970 ng
RT: 7.775 min Scan# 966
Delta R.T. -0.006 min
Lab File: BF141900.D
Acq: 10 Mar 2025 12:29

Tgt Ion: 139 Resp: 144979
Ion Ratio Lower Upper
139 100
109 32.6 26.5 39.7
65 51.2 40.3 60.5





#27

2,4-Dimethylphenol

Concen: 21.009 ng

RT: 7.804 min Scan# 91

Delta R.T. -0.006 min

Lab File: BF141900.D

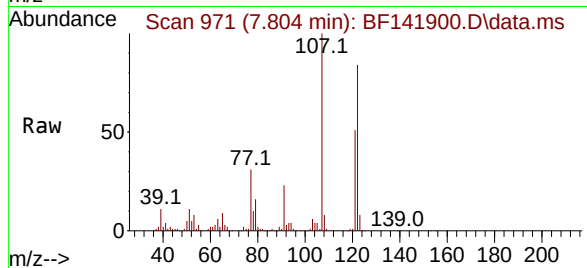
Acq: 10 Mar 2025 12:29

Instrument :

BNA_F

ClientSampleId :

SSTDICC020



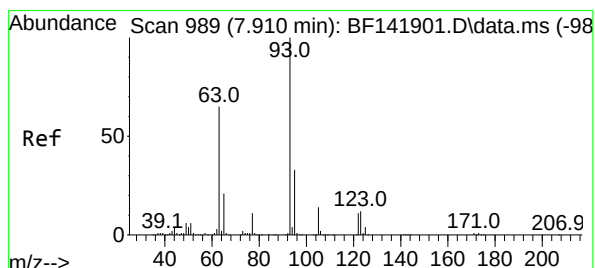
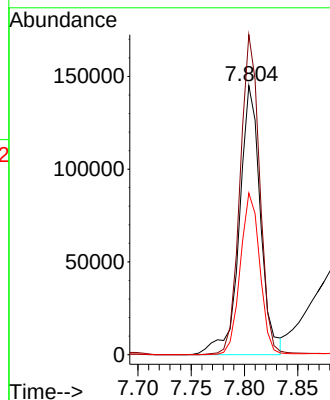
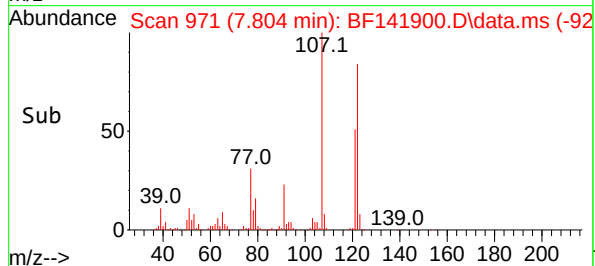
Tgt Ion:122 Resp: 200058

Ion Ratio Lower Upper

122 100

107 118.9 94.8 142.2

121 60.1 47.8 71.6



#28

bis(2-Chloroethoxy)methane

Concen: 21.093 ng

RT: 7.904 min Scan# 988

Delta R.T. -0.006 min

Lab File: BF141900.D

Acq: 10 Mar 2025 12:29

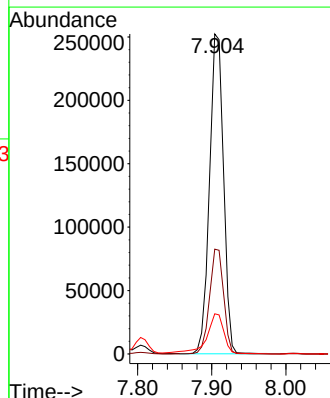
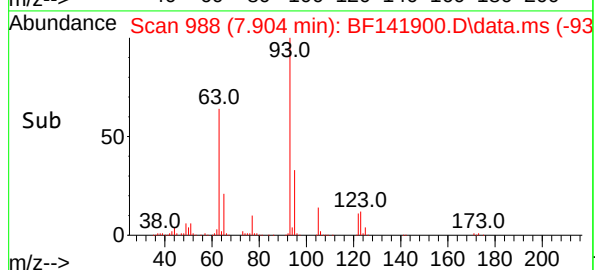
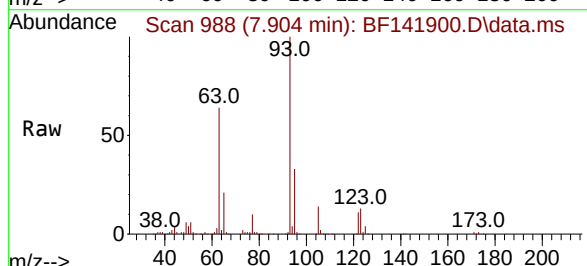
Tgt Ion: 93 Resp: 331966

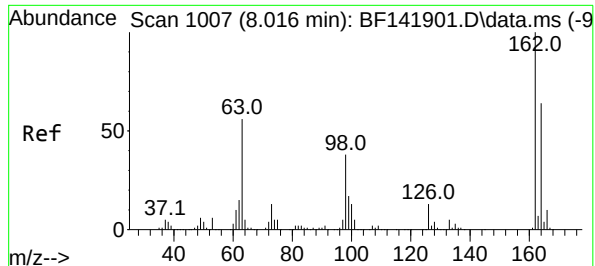
Ion Ratio Lower Upper

93 100

95 32.8 26.6 40.0

123 12.6 10.2 15.4





#29

2,4-Dichlorophenol

Concen: 20.884 ng

RT: 8.010 min Scan# 1006

Delta R.T. -0.006 min

Lab File: BF141900.D

Acq: 10 Mar 2025 12:29

Instrument :

BNA_F

ClientSampleId :

SSTDICC020

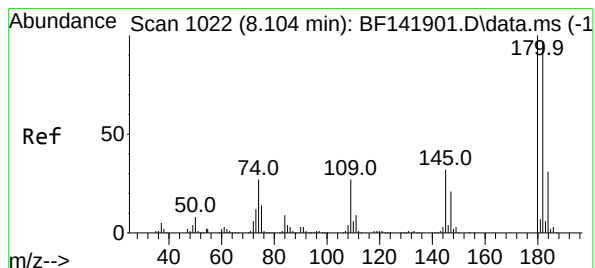
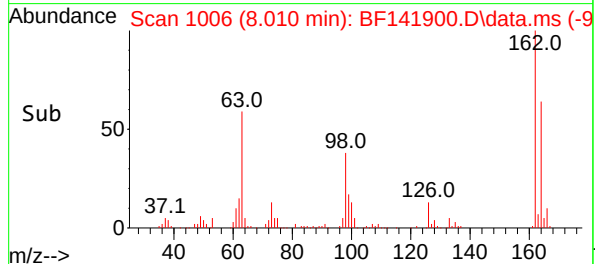
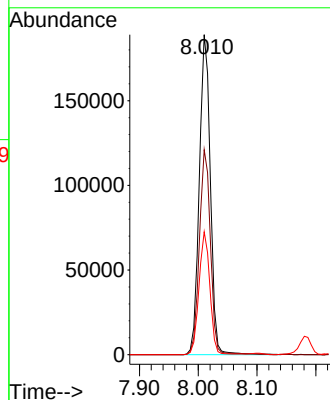
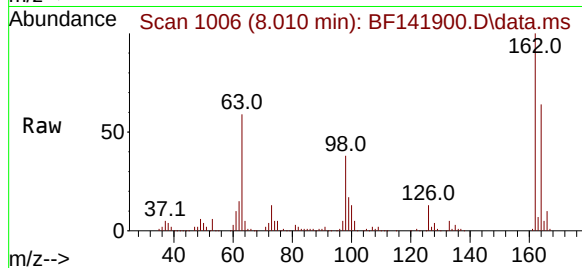
Tgt Ion:162 Resp: 246810

Ion Ratio Lower Upper

162 100

164 64.0 43.8 83.8

98 38.4 18.1 58.1



#30

1,2,4-Trichlorobenzene

Concen: 20.922 ng

RT: 8.098 min Scan# 1021

Delta R.T. -0.006 min

Lab File: BF141900.D

Acq: 10 Mar 2025 12:29

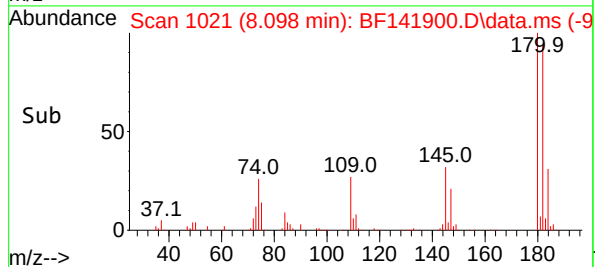
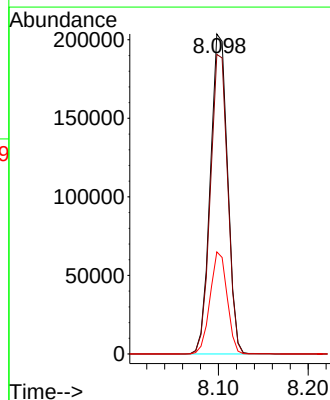
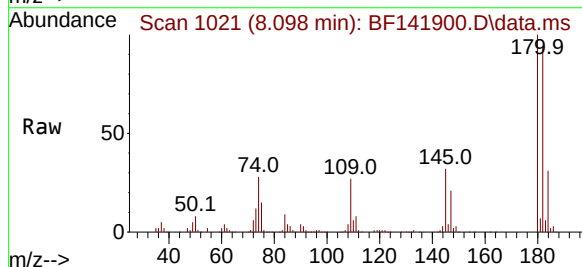
Tgt Ion:180 Resp: 272773

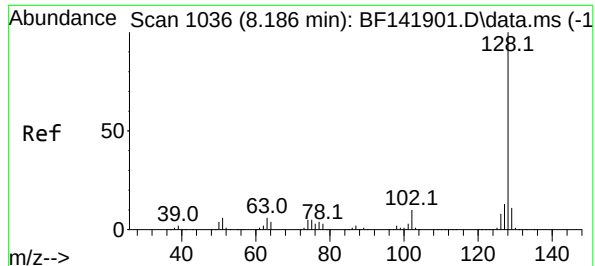
Ion Ratio Lower Upper

180 100

182 93.6 77.5 116.3

145 31.9 25.8 38.6

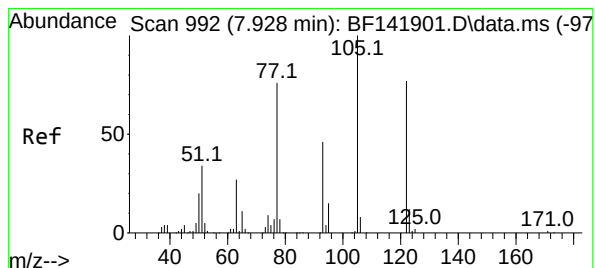
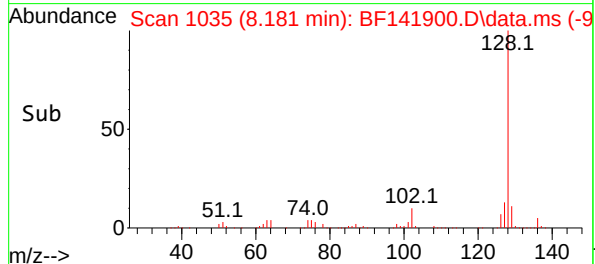
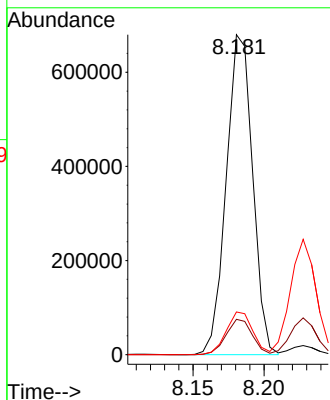
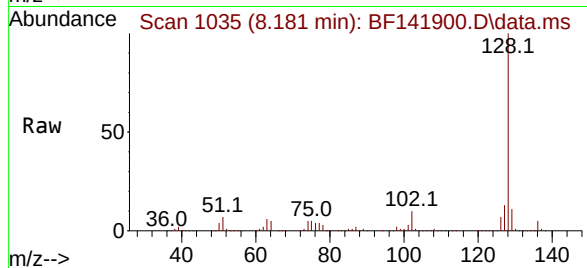




#31
Naphthalene
Concen: 21.487 ng
RT: 8.181 min Scan# 1035
Delta R.T. -0.006 min
Lab File: BF141900.D
Acq: 10 Mar 2025 12:29

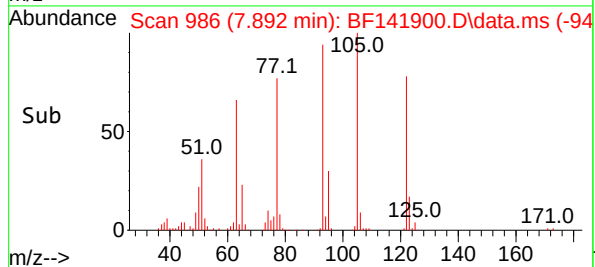
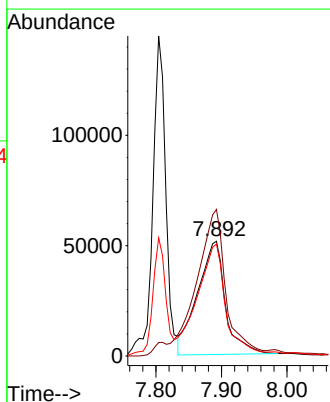
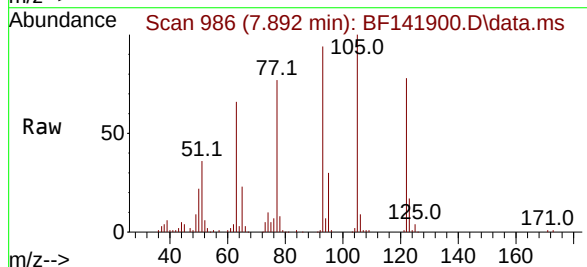
Instrument :
BNA_F
ClientSampleId :
SSTDICC020

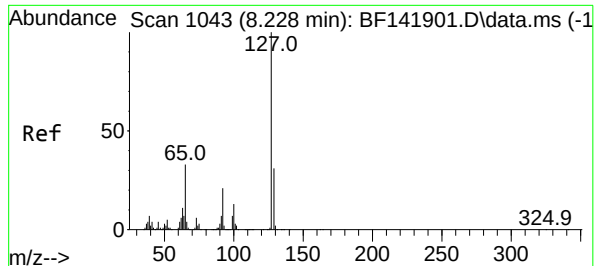
Tgt Ion:128 Resp: 877897
Ion Ratio Lower Upper
128 100
129 11.0 9.0 13.6
127 13.4 10.8 16.2



#32
Benzoic acid
Concen: 18.313 ng
RT: 7.892 min Scan# 986
Delta R.T. -0.036 min
Lab File: BF141900.D
Acq: 10 Mar 2025 12:29

Tgt Ion:122 Resp: 152420
Ion Ratio Lower Upper
122 100
105 127.6 107.9 147.9
77 97.6 79.0 119.0

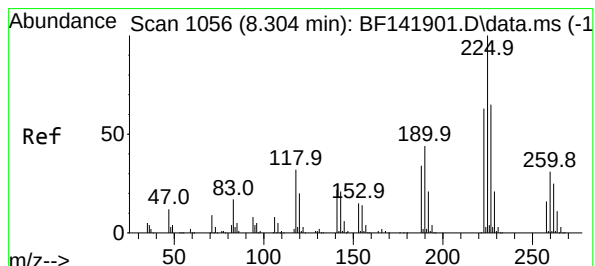
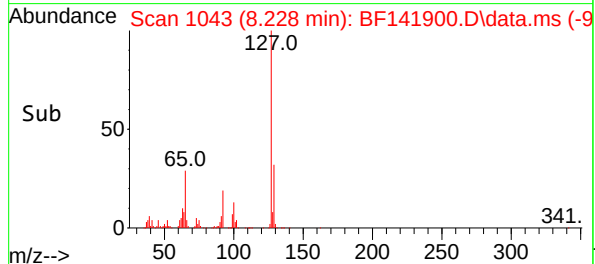
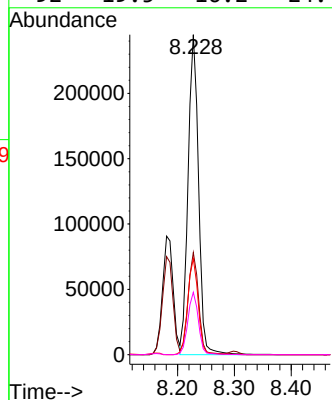
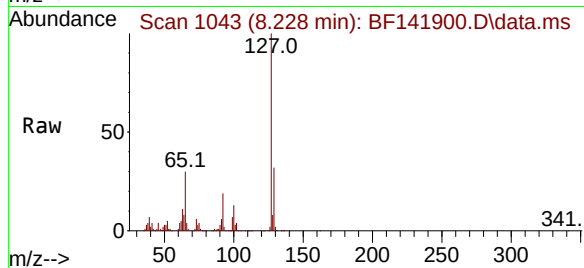




#33
4-Chloroaniline
Concen: 21.726 ng
RT: 8.228 min Scan# 1043
Delta R.T. 0.000 min
Lab File: BF141900.D
Acq: 10 Mar 2025 12:29

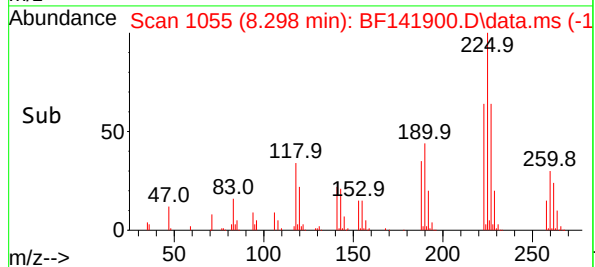
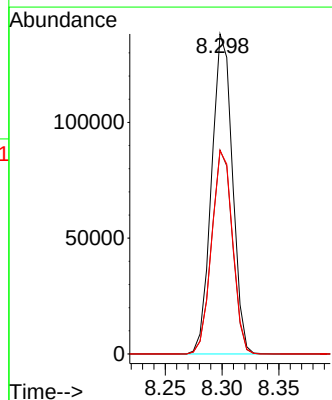
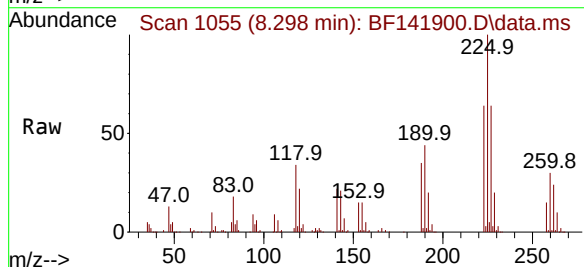
Instrument :
BNA_F
ClientSampleId :
SSTDICC020

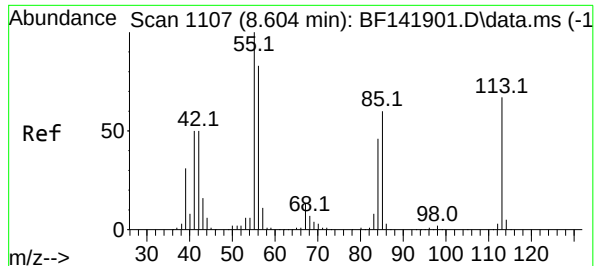
Tgt Ion:	127	Resp:	313249
Ion	Ratio	Lower	Upper
127	100		
129	31.9	26.2	39.4
65	30.0	25.4	38.2
92	19.5	16.2	24.4



#34
Hexachlorobutadiene
Concen: 20.791 ng
RT: 8.298 min Scan# 1055
Delta R.T. -0.006 min
Lab File: BF141900.D
Acq: 10 Mar 2025 12:29

Tgt Ion:	225	Resp:	176253
Ion	Ratio	Lower	Upper
225	100		
223	63.7	50.6	75.8
227	63.5	52.2	78.2

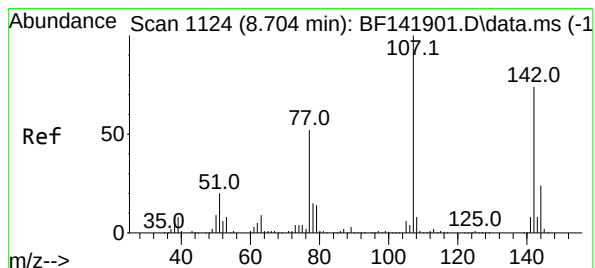
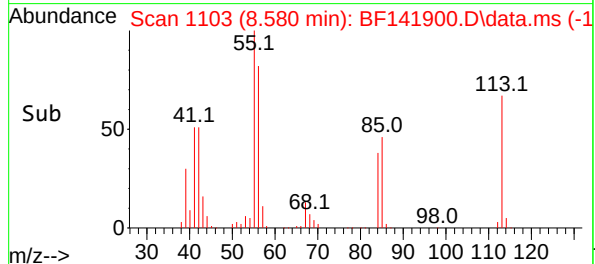
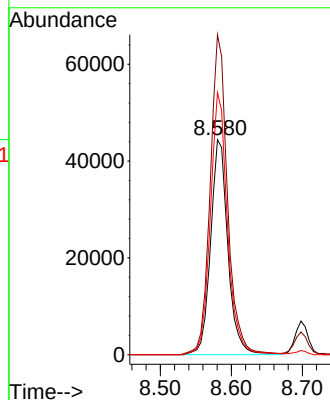
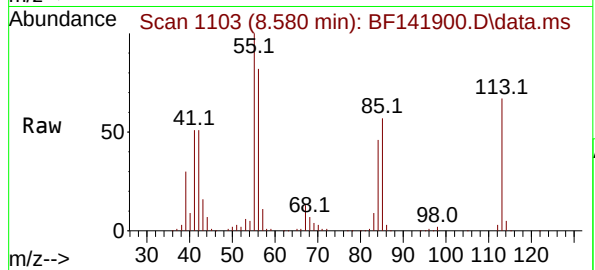




#35
Caprolactam
Concen: 20.884 ng
RT: 8.580 min Scan# 1107
Delta R.T. -0.024 min
Lab File: BF141900.D
Acq: 10 Mar 2025 12:29

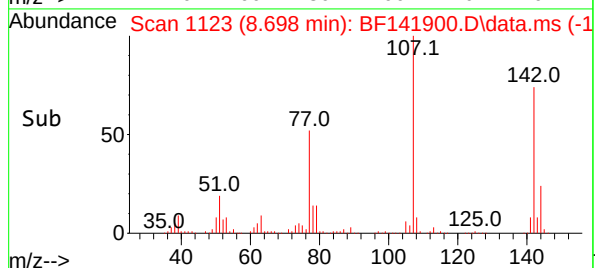
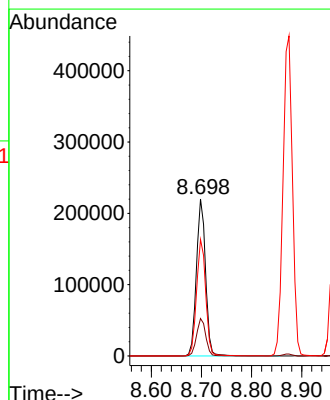
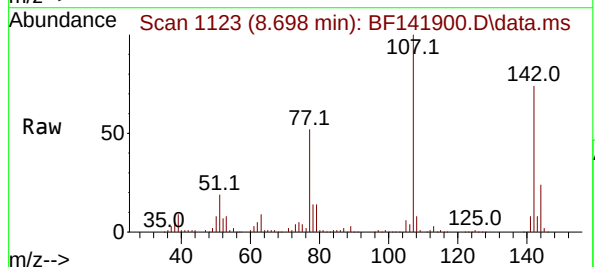
Instrument :
BNA_F
ClientSampleId :
SSTDICC020

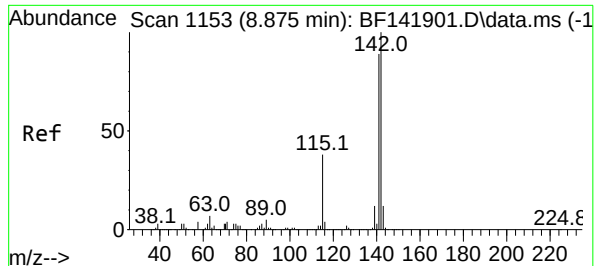
Tgt Ion:113 Resp: 75048
Ion Ratio Lower Upper
113 100
55 148.8 129.6 169.6
56 121.8 104.0 144.0



#36
4-Chloro-3-methylphenol
Concen: 21.168 ng
RT: 8.698 min Scan# 1123
Delta R.T. -0.006 min
Lab File: BF141900.D
Acq: 10 Mar 2025 12:29

Tgt Ion:107 Resp: 278207
Ion Ratio Lower Upper
107 100
144 23.9 19.0 28.6
142 74.3 59.2 88.8





#37

2-Methylnaphthalene

Concen: 21.324 ng

RT: 8.875 min Scan# 1153

Delta R.T. 0.000 min

Lab File: BF141900.D

Acq: 10 Mar 2025 12:29

Instrument :

BNA_F

ClientSampleId :

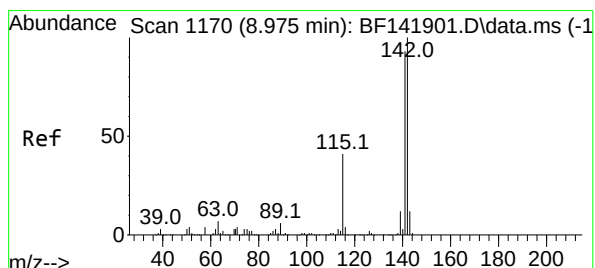
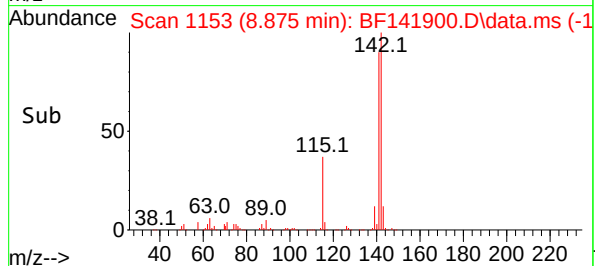
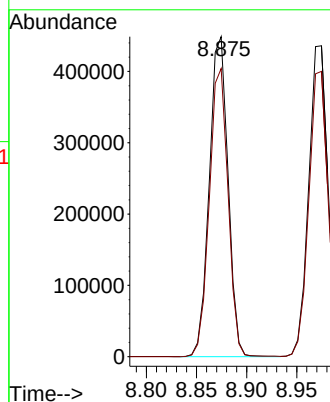
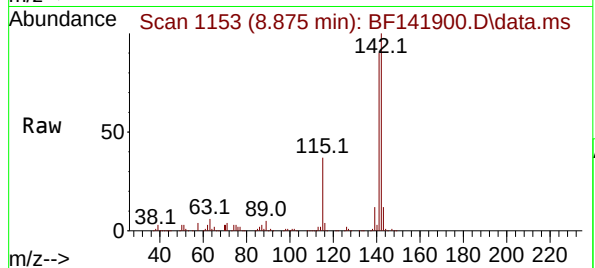
SSTDICC020

Tgt Ion:142 Resp: 584552

Ion Ratio Lower Upper

142 100

141 90.0 71.2 106.8



#38

1-Methylnaphthalene

Concen: 21.677 ng

RT: 8.975 min Scan# 1170

Delta R.T. 0.000 min

Lab File: BF141900.D

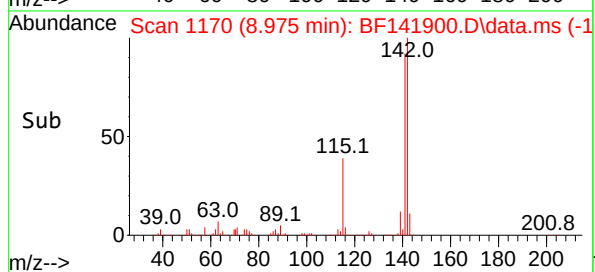
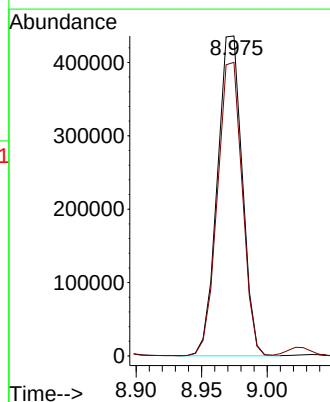
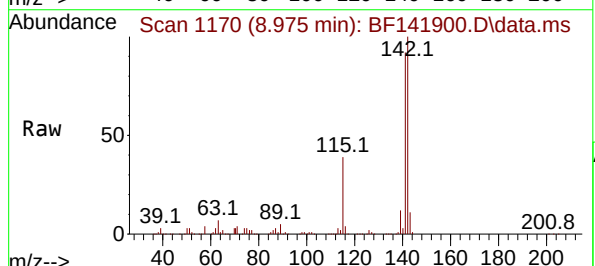
Acq: 10 Mar 2025 12:29

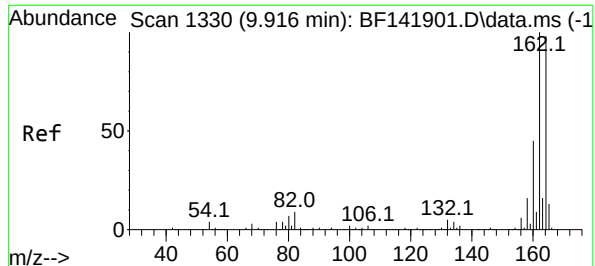
Tgt Ion:142 Resp: 575428

Ion Ratio Lower Upper

142 100

141 91.8 74.2 111.4





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.916 min Scan# 1181

Delta R.T. -0.000 min

Lab File: BF141900.D

Acq: 10 Mar 2025 12:29

Instrument :

BNA_F

ClientSampleId :

SSTDICC020

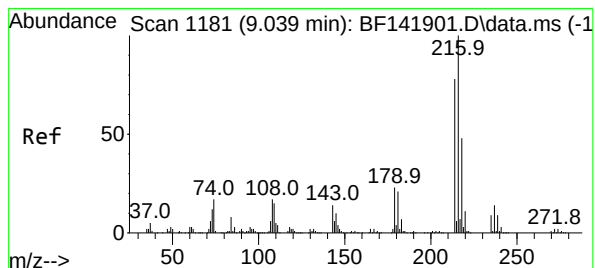
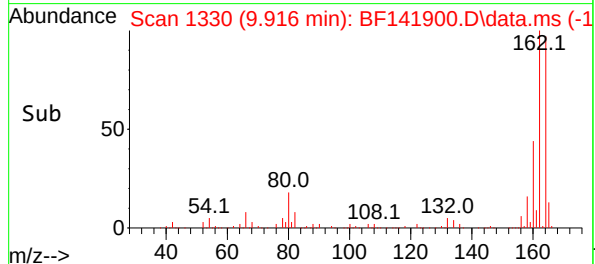
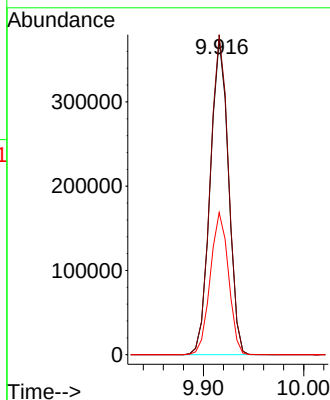
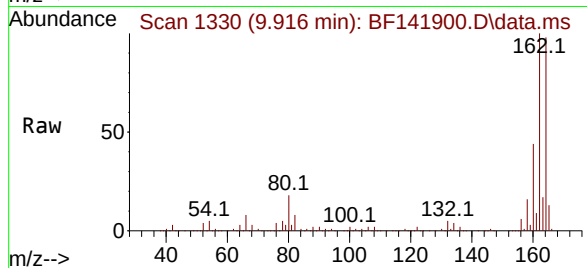
Tgt Ion:164 Resp: 470833

Ion Ratio Lower Upper

164 100

162 101.6 81.8 122.6

160 45.1 36.7 55.1



#40

1,2,4,5-Tetrachlorobenzene

Concen: 20.538 ng

RT: 9.039 min Scan# 1181

Delta R.T. 0.000 min

Lab File: BF141900.D

Acq: 10 Mar 2025 12:29

Tgt Ion:216 Resp: 294845

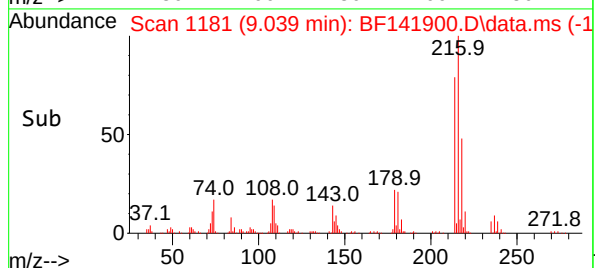
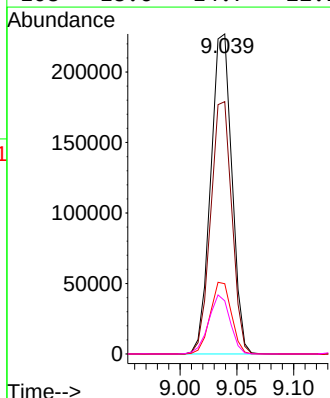
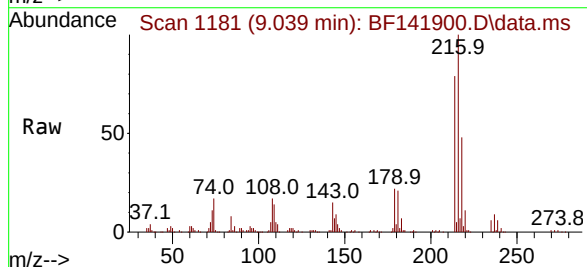
Ion Ratio Lower Upper

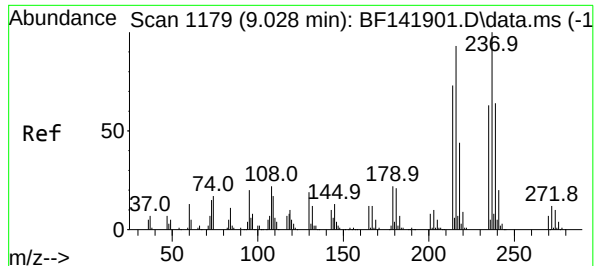
216 100

214 78.7 61.9 92.9

179 22.3 18.1 27.1

108 18.6 14.7 22.1

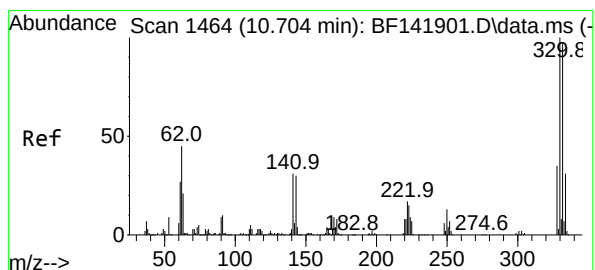
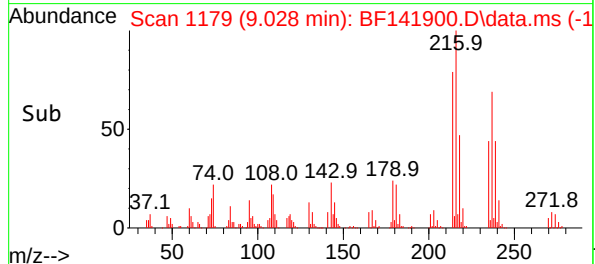
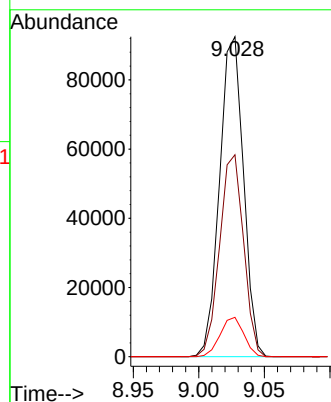
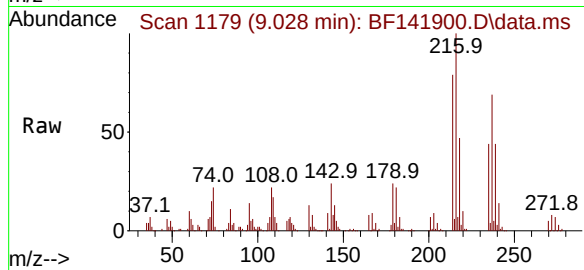




#41
Hexachlorocyclopentadiene
Concen: 20.685 ng
RT: 9.028 min Scan# 1179
Delta R.T. 0.000 min
Lab File: BF141900.D
Acq: 10 Mar 2025 12:29

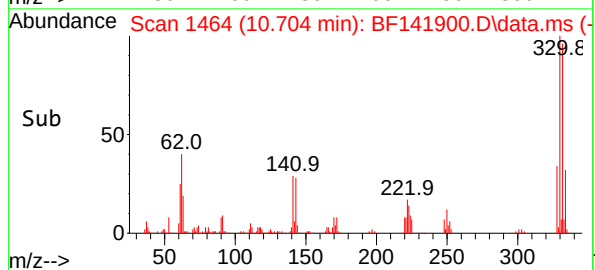
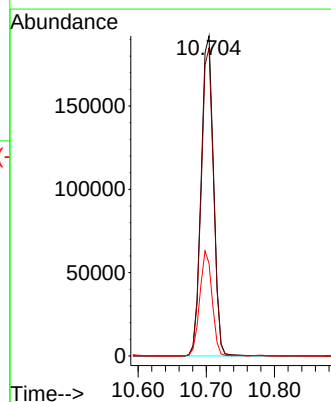
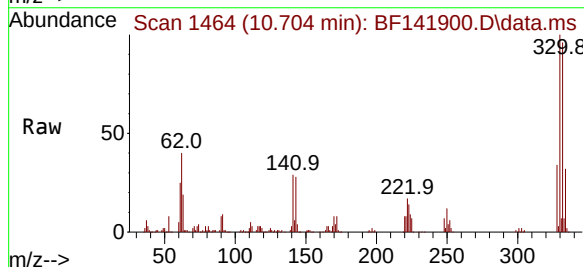
Instrument :
BNA_F
ClientSampleId :
SSTDICC020

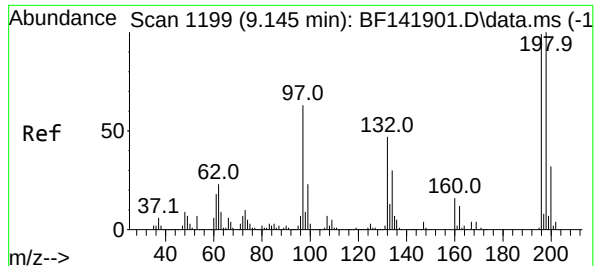
Tgt Ion:237 Resp: 117174
Ion Ratio Lower Upper
237 100
235 63.1 43.1 83.1
272 12.3 0.0 32.0



#42
2,4,6-Tribromophenol
Concen: 40.869 ng
RT: 10.704 min Scan# 1464
Delta R.T. 0.000 min
Lab File: BF141900.D
Acq: 10 Mar 2025 12:29

Tgt Ion:330 Resp: 243832
Ion Ratio Lower Upper
330 100
332 95.8 77.6 116.4
141 32.4 24.7 37.1





#43

2,4,6-Trichlorophenol

Concen: 20.203 ng

RT: 9.145 min Scan# 1199

Delta R.T. 0.000 min

Lab File: BF141900.D

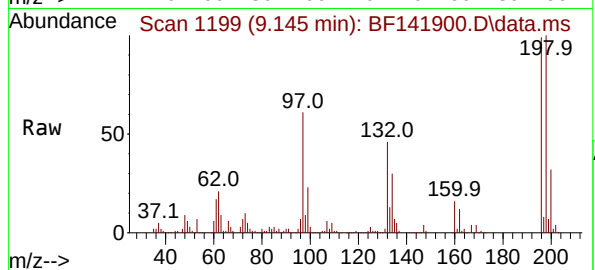
Acq: 10 Mar 2025 12:29

Instrument :

BNA_F

ClientSampleId :

SSTDICC020



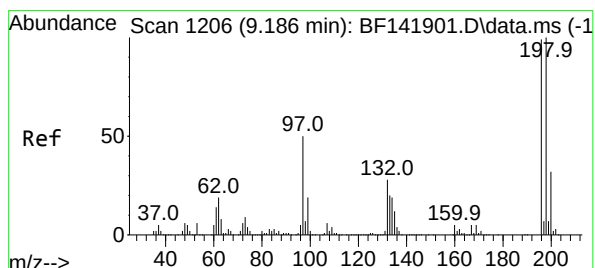
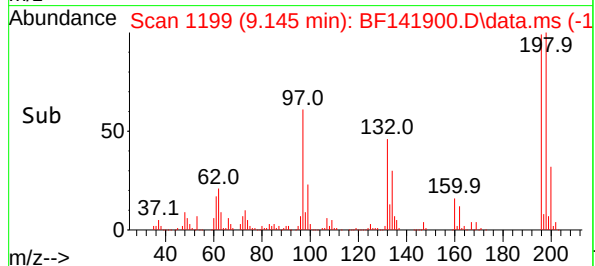
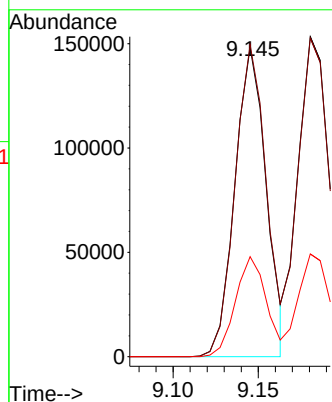
Tgt Ion:196 Resp: 189069

Ion Ratio Lower Upper

196 100

198 100.9 80.6 121.0

200 32.3 25.8 38.6



#44

2,4,5-Trichlorophenol

Concen: 20.912 ng

RT: 9.180 min Scan# 1205

Delta R.T. -0.006 min

Lab File: BF141900.D

Acq: 10 Mar 2025 12:29

Tgt Ion:196 Resp: 198841

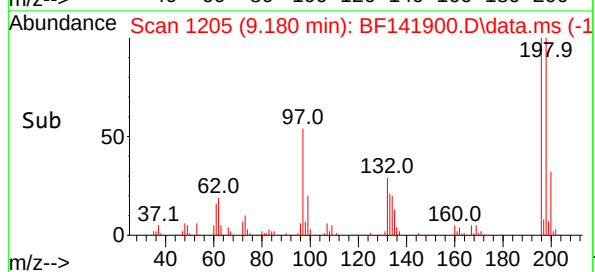
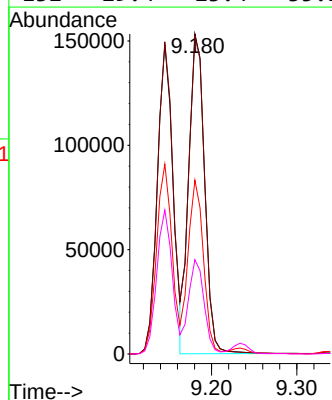
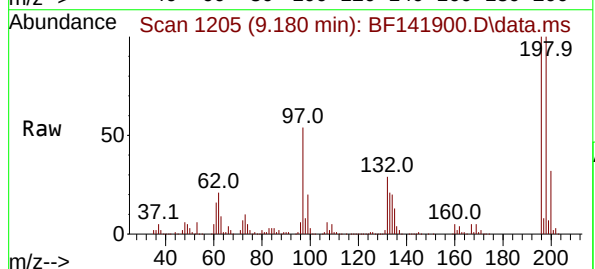
Ion Ratio Lower Upper

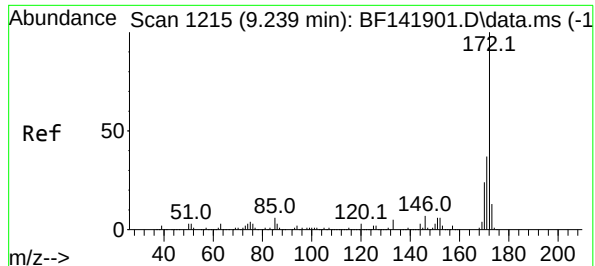
196 100

198 99.6 80.7 121.1

97 54.3 42.1 63.1

132 29.4 23.4 35.2

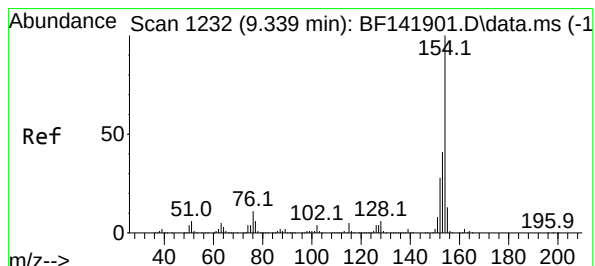
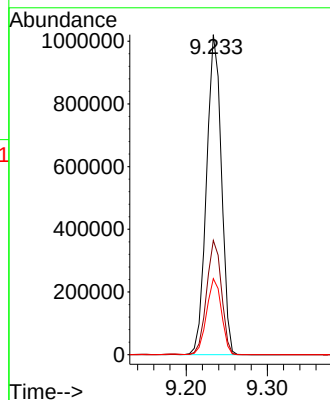
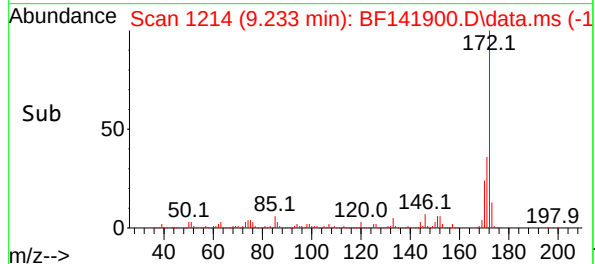
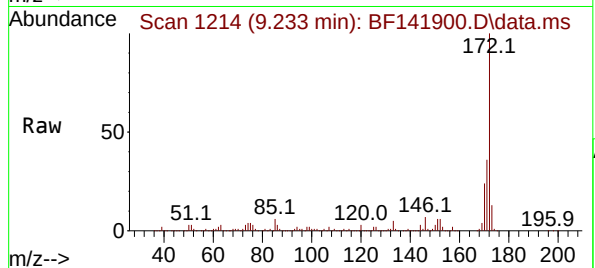




#45
2-Fluorobiphenyl
Concen: 42.002 ng
RT: 9.233 min Scan# 1214
Delta R.T. -0.006 min
Lab File: BF141900.D
Acq: 10 Mar 2025 12:29

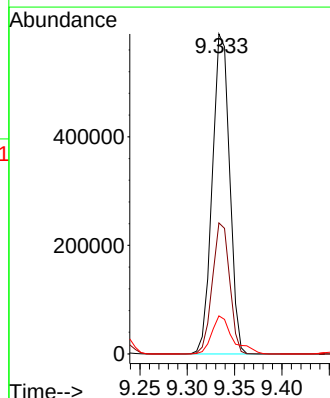
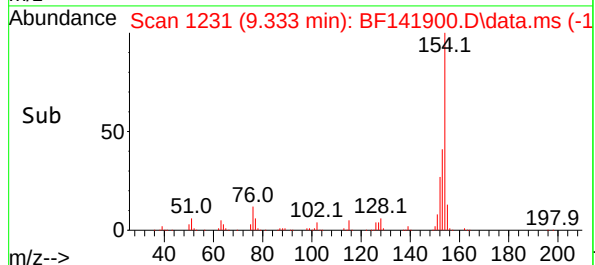
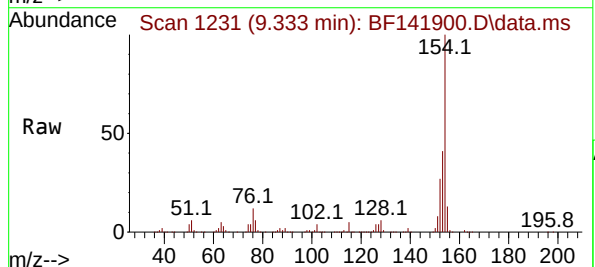
Instrument :
BNA_F
ClientSampleId :
SSTDICC020

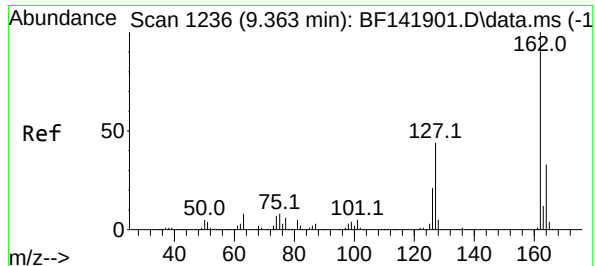
Tgt Ion:172 Resp: 1298709
Ion Ratio Lower Upper
172 100
171 35.7 29.3 43.9
170 23.7 19.4 29.0



#46
1,1'-Biphenyl
Concen: 20.985 ng
RT: 9.333 min Scan# 1231
Delta R.T. -0.006 min
Lab File: BF141900.D
Acq: 10 Mar 2025 12:29

Tgt Ion:154 Resp: 749087
Ion Ratio Lower Upper
154 100
153 41.0 21.1 61.1
76 11.9 0.0 31.3





#47

2-Chloronaphthalene

Concen: 20.898 ng

RT: 9.363 min Scan# 11

Delta R.T. 0.000 min

Lab File: BF141900.D

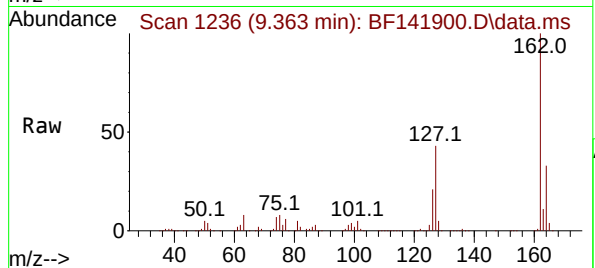
Acq: 10 Mar 2025 12:29

Instrument :

BNA_F

ClientSampleId :

SSTDICC020



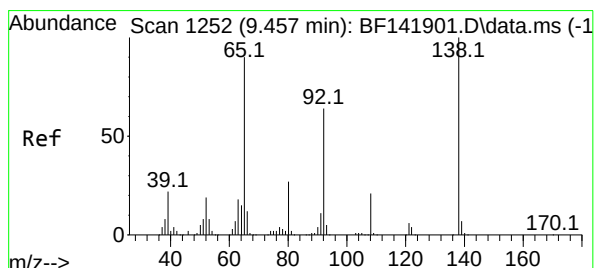
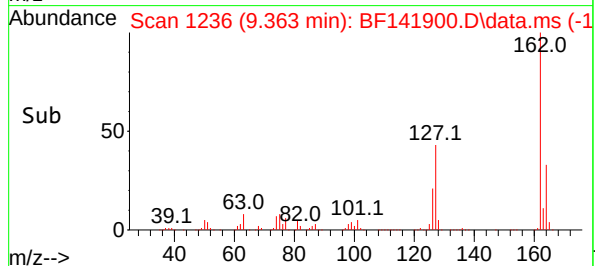
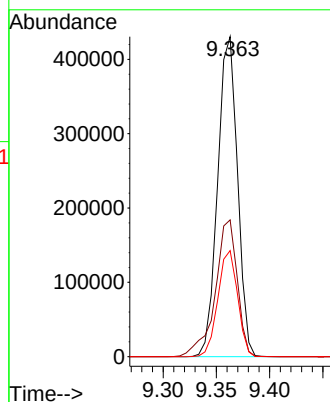
Tgt Ion:162 Resp: 555946

Ion Ratio Lower Upper

162 100

127 42.8 35.5 53.3

164 33.1 26.6 40.0



#48

2-Nitroaniline

Concen: 21.302 ng

RT: 9.451 min Scan# 1251

Delta R.T. -0.006 min

Lab File: BF141900.D

Acq: 10 Mar 2025 12:29

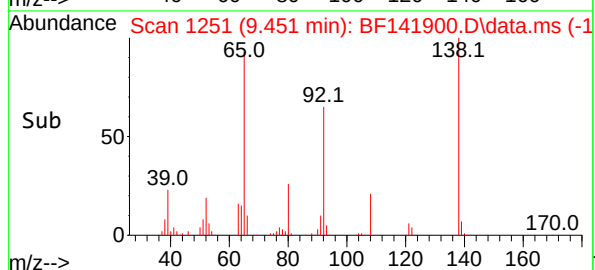
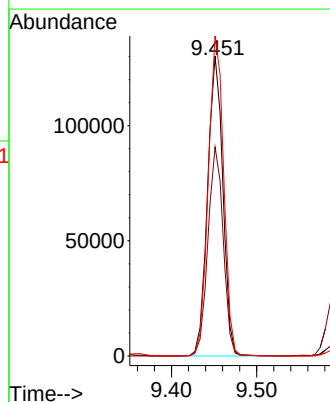
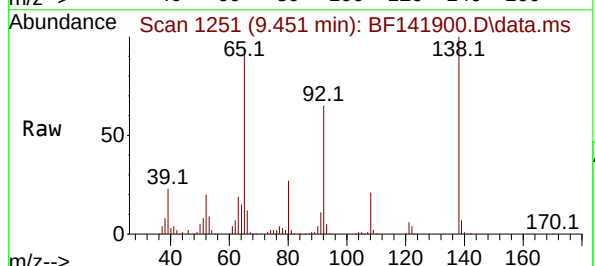
Tgt Ion: 65 Resp: 162790

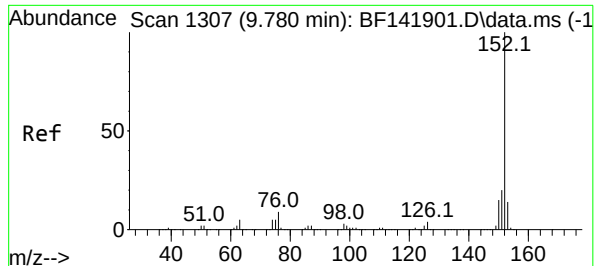
Ion Ratio Lower Upper

65 100

92 69.7 56.6 84.8

138 106.7 88.6 133.0





#49

Acenaphthylene

Concen: 21.222 ng

RT: 9.775 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF141900.D

Acq: 10 Mar 2025 12:29

Instrument :

BNA_F

ClientSampleId :

SSTDICC020

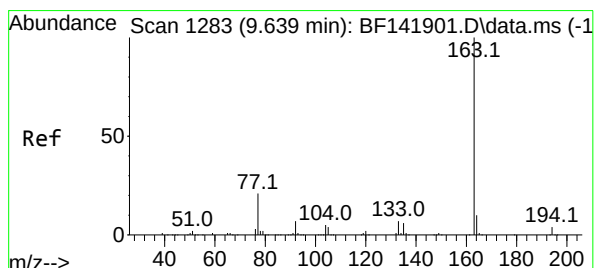
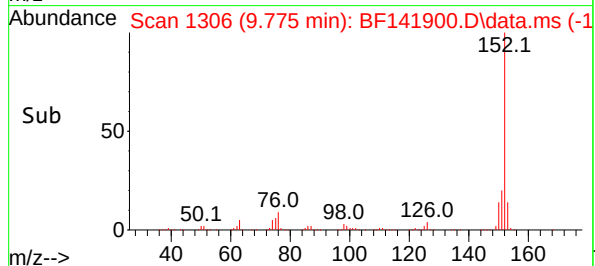
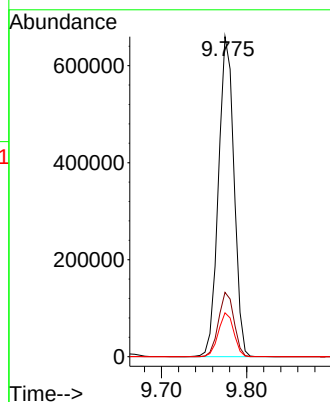
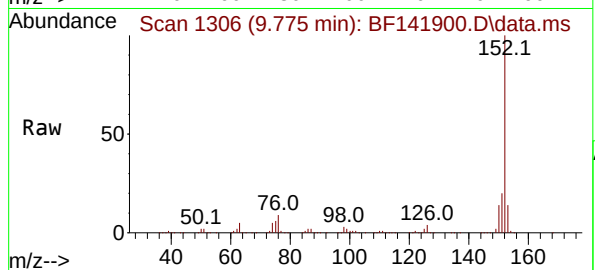
Tgt Ion:152 Resp: 837016

Ion Ratio Lower Upper

152 100

151 20.1 16.3 24.5

153 13.7 11.1 16.7



#50

Dimethylphthalate

Concen: 21.137 ng

RT: 9.633 min Scan# 1282

Delta R.T. -0.006 min

Lab File: BF141900.D

Acq: 10 Mar 2025 12:29

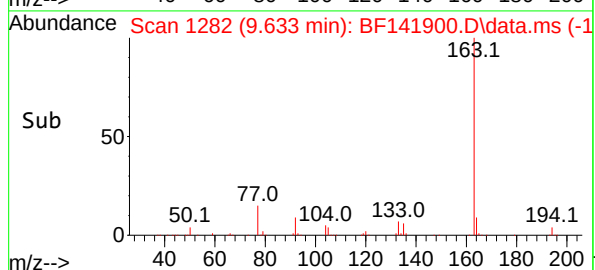
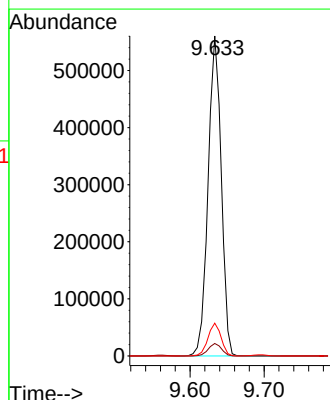
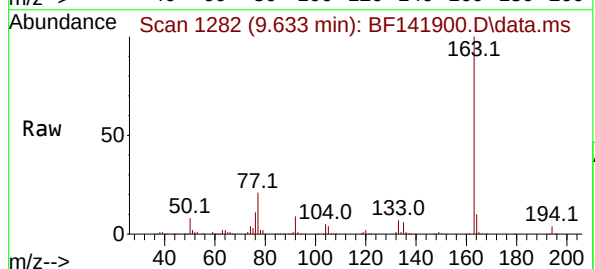
Tgt Ion:163 Resp: 691454

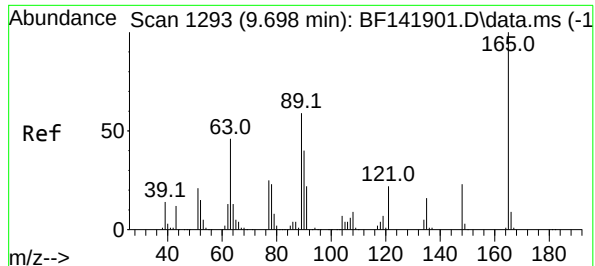
Ion Ratio Lower Upper

163 100

194 3.9 3.1 4.7

164 10.3 8.2 12.4





#51

2,6-Dinitrotoluene

Concen: 21.096 ng

RT: 9.692 min Scan# 1293

Delta R.T. -0.006 min

Lab File: BF141900.D

Acq: 10 Mar 2025 12:29

Instrument :

BNA_F

ClientSampleId :

SSTDICC020

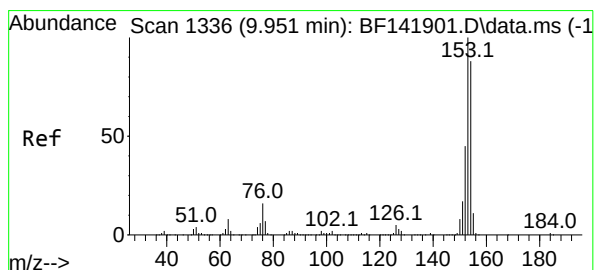
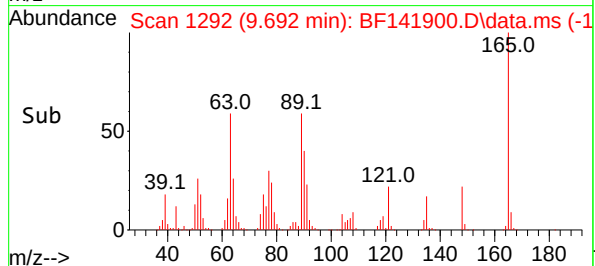
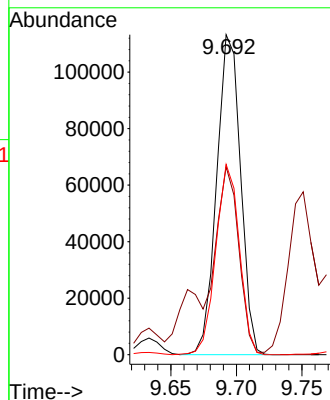
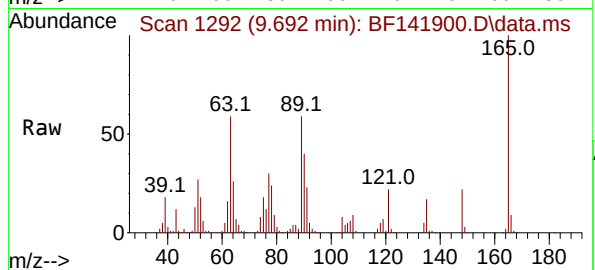
Tgt Ion:165 Resp: 143513

Ion Ratio Lower Upper

165 100

63 58.7 47.0 70.4

89 59.5 47.4 71.2



#52

Acenaphthene

Concen: 20.813 ng

RT: 9.951 min Scan# 1336

Delta R.T. 0.000 min

Lab File: BF141900.D

Acq: 10 Mar 2025 12:29

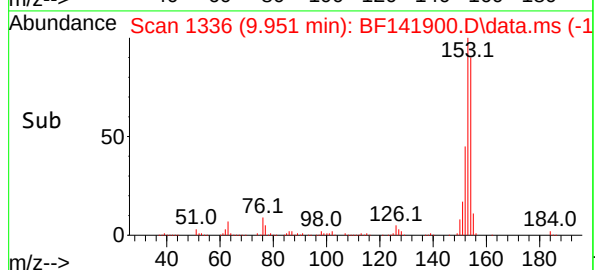
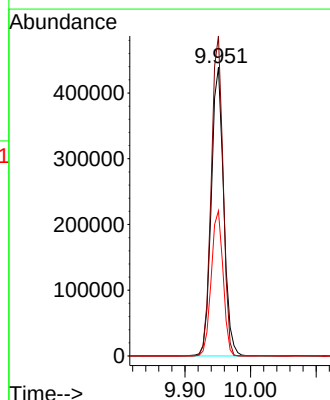
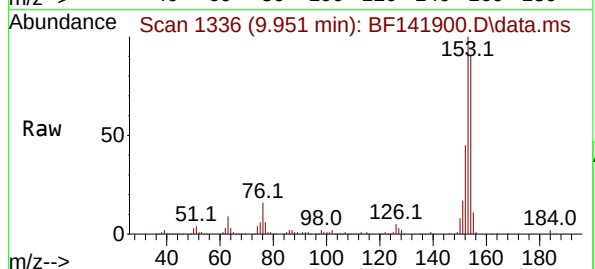
Tgt Ion:154 Resp: 579623

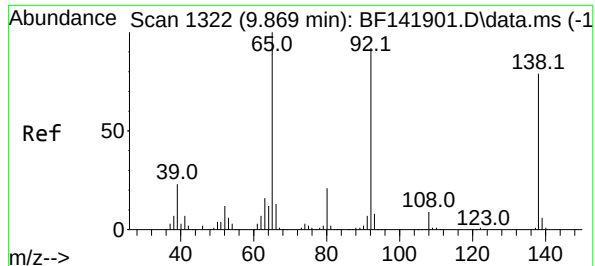
Ion Ratio Lower Upper

154 100

153 110.9 90.7 136.1

152 50.3 41.1 61.7

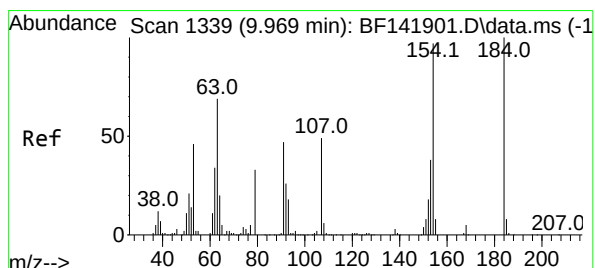
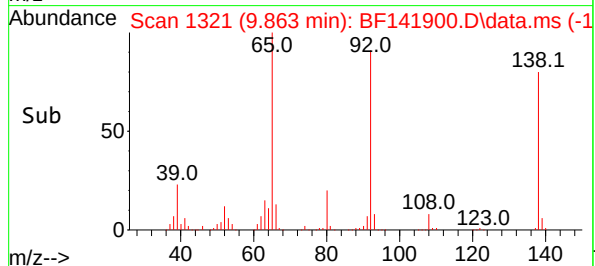
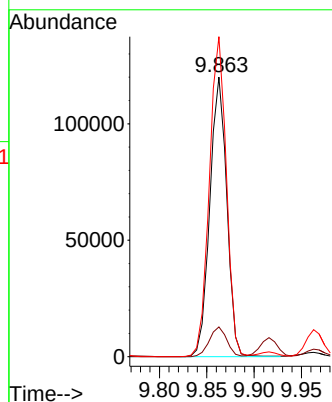
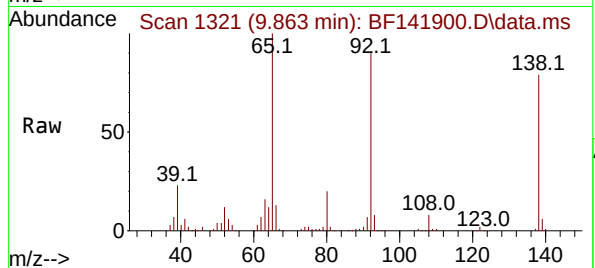




#53
3-Nitroaniline
Concen: 21.327 ng
RT: 9.863 min Scan# 1322
Delta R.T. -0.006 min
Lab File: BF141900.D
Acq: 10 Mar 2025 12:29

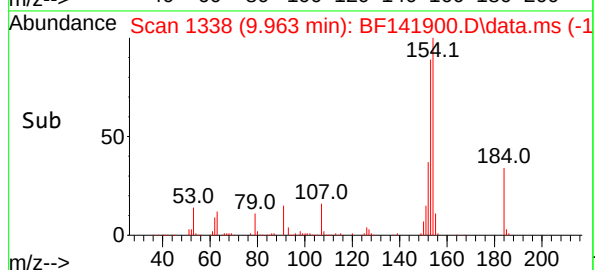
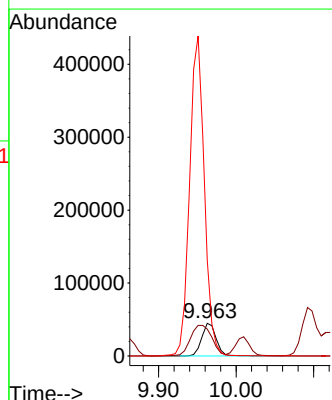
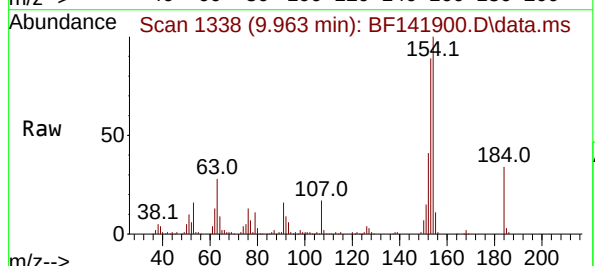
Instrument :
BNA_F
ClientSampleId :
SSTDICC020

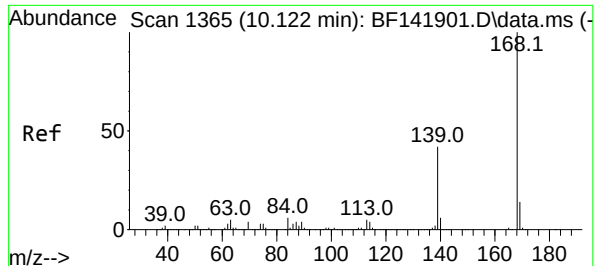
Tgt Ion:138 Resp: 148977
Ion Ratio Lower Upper
138 100
108 10.6 9.3 13.9
92 114.5 93.5 140.3



#54
2,4-Dinitrophenol
Concen: 20.368 ng
RT: 9.963 min Scan# 1338
Delta R.T. -0.006 min
Lab File: BF141900.D
Acq: 10 Mar 2025 12:29

Tgt Ion:184 Resp: 58223
Ion Ratio Lower Upper
184 100
63 82.2 60.2 90.4
154 293.5 132.9 199.3#

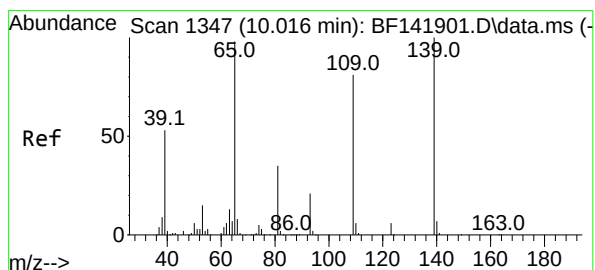
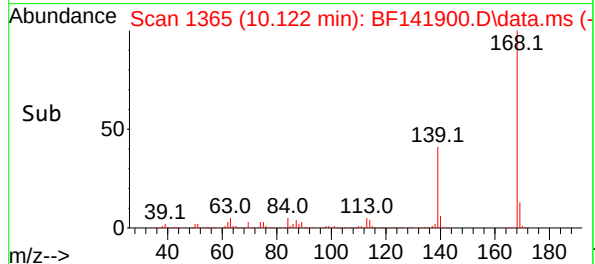
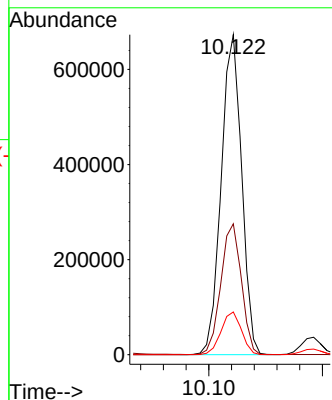
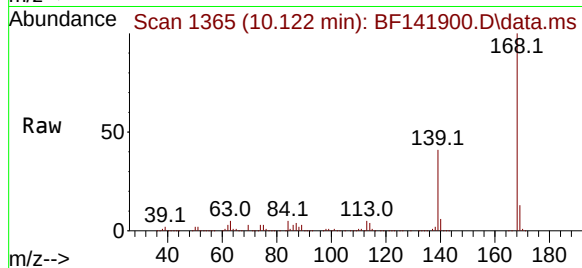




#55
Dibenzenofuran
Concen: 21.238 ng
RT: 10.122 min Scan# 1365
Delta R.T. 0.000 min
Lab File: BF141900.D
Acq: 10 Mar 2025 12:29

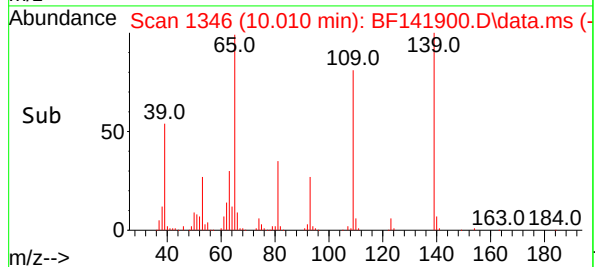
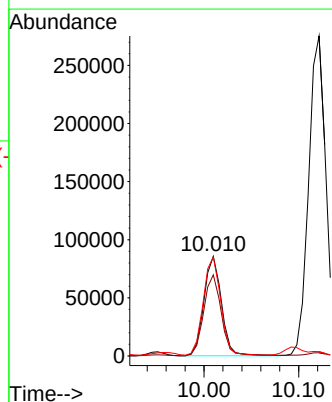
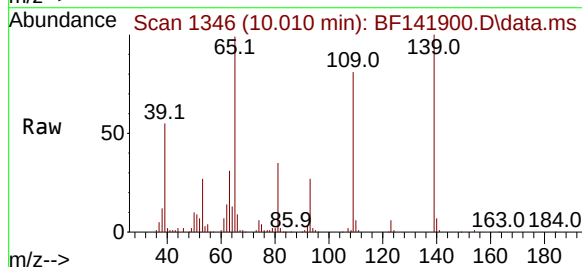
Instrument :
BNA_F
ClientSampleId :
SSTDICC020

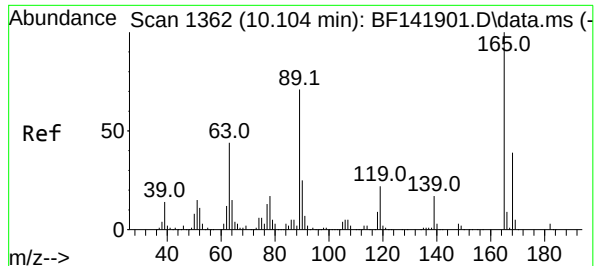
Tgt Ion:168 Resp: 843359
Ion Ratio Lower Upper
168 100
139 40.9 33.9 50.9
169 13.3 11.0 16.4



#56
4-Nitrophenol
Concen: 20.955 ng
RT: 10.010 min Scan# 1346
Delta R.T. -0.006 min
Lab File: BF141900.D
Acq: 10 Mar 2025 12:29

Tgt Ion:139 Resp: 109958
Ion Ratio Lower Upper
139 100
109 81.5 61.6 101.6
65 99.4 79.4 119.4

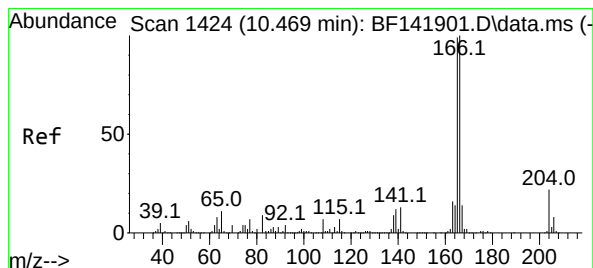
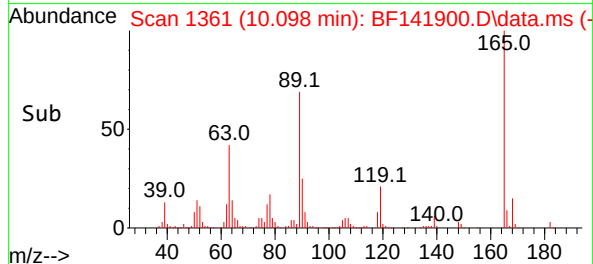
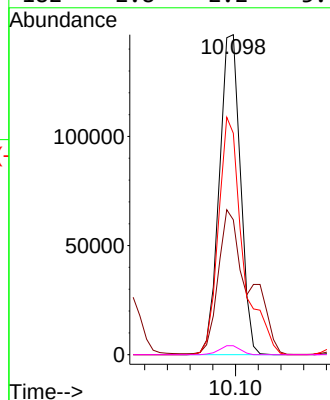
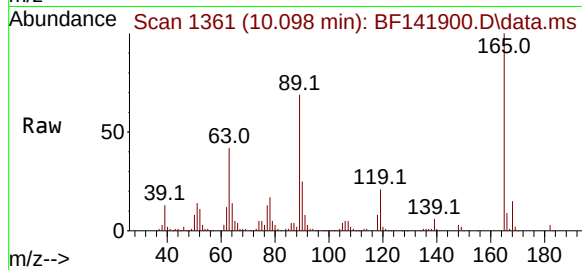




#57
2,4-Dinitrotoluene
Concen: 21.132 ng
RT: 10.098 min Scan# 1361
Delta R.T. -0.006 min
Lab File: BF141900.D
Acq: 10 Mar 2025 12:29

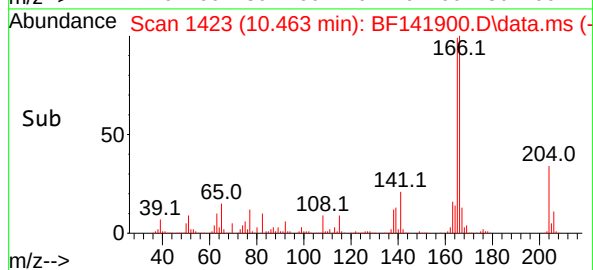
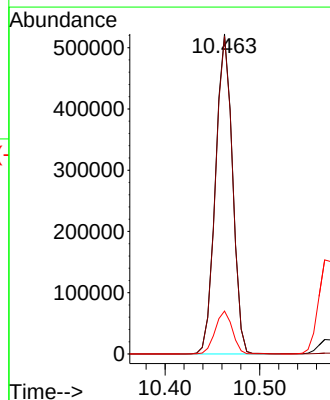
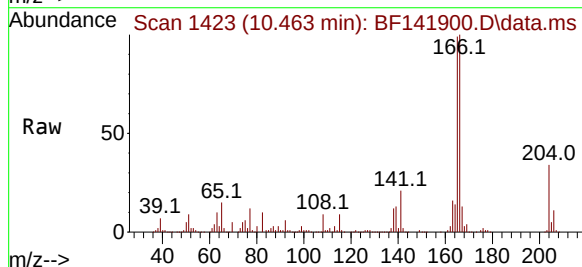
Instrument :
BNA_F
ClientSampleId :
SSTDICC020

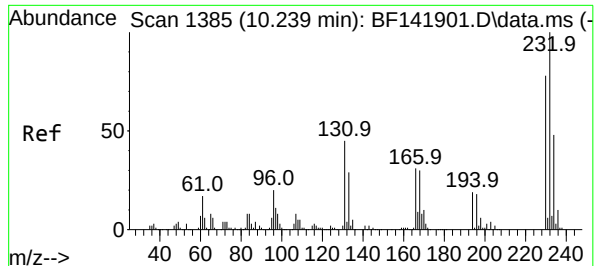
Tgt Ion:165 Resp: 189234
Ion Ratio Lower Upper
165 100
63 42.1 35.4 53.2
89 69.2 56.6 84.8
182 2.8 2.2 3.4



#58
Fluorene
Concen: 21.211 ng
RT: 10.463 min Scan# 1423
Delta R.T. -0.006 min
Lab File: BF141900.D
Acq: 10 Mar 2025 12:29

Tgt Ion:166 Resp: 650245
Ion Ratio Lower Upper
166 100
165 99.2 79.0 118.4
167 13.4 11.0 16.4

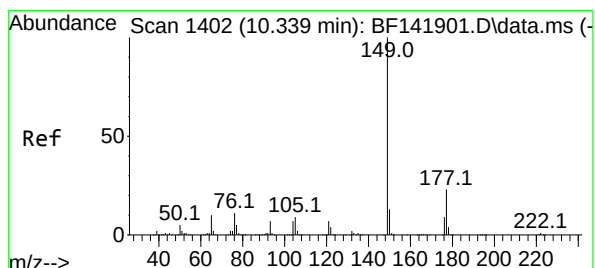
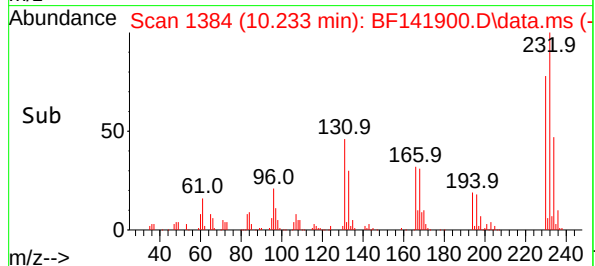
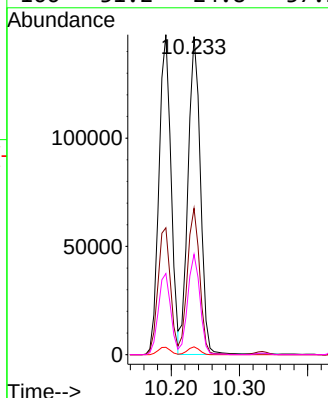
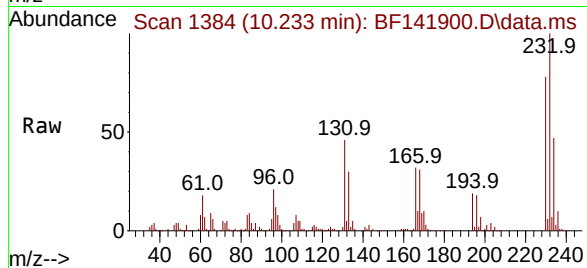




#59
2,3,4,6-Tetrachlorophenol
Concen: 21.272 ng
RT: 10.233 min Scan# 1384
Delta R.T. -0.006 min
Lab File: BF141900.D
Acq: 10 Mar 2025 12:29

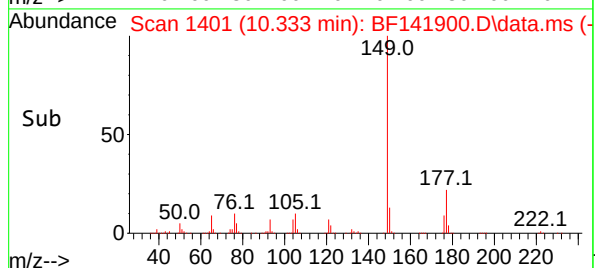
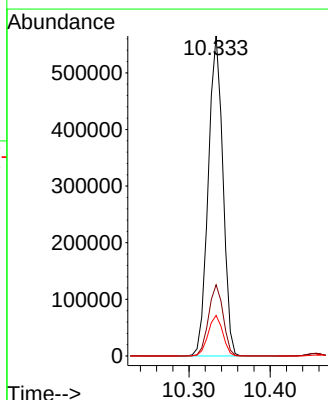
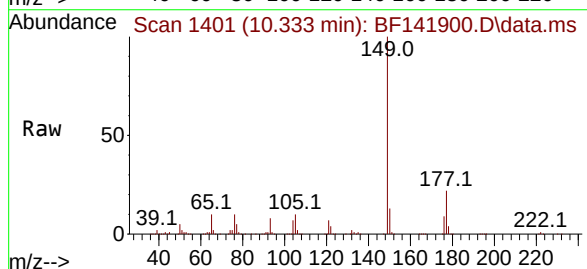
Instrument :
BNA_F
ClientSampleId :
SSTDICC020

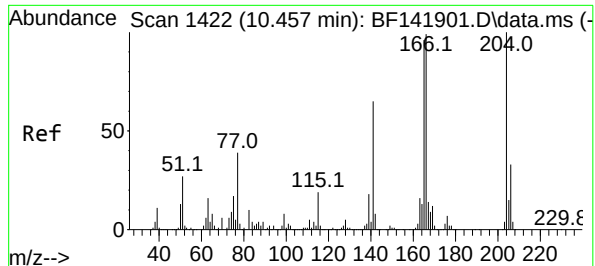
Tgt Ion:232 Resp: 183513
Ion Ratio Lower Upper
232 100
131 46.0 37.3 55.9
130 2.4 1.9 2.9
166 31.2 24.8 37.2



#60
Diethylphthalate
Concen: 21.468 ng
RT: 10.333 min Scan# 1401
Delta R.T. -0.006 min
Lab File: BF141900.D
Acq: 10 Mar 2025 12:29

Tgt Ion:149 Resp: 704993
Ion Ratio Lower Upper
149 100
177 22.3 18.0 27.0
150 12.6 10.2 15.4

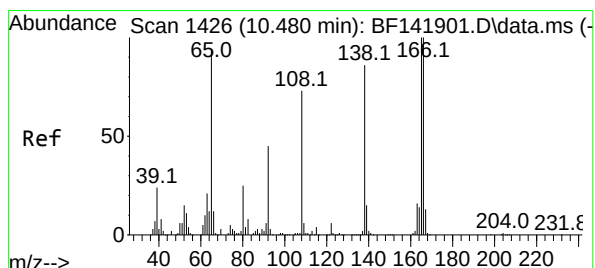
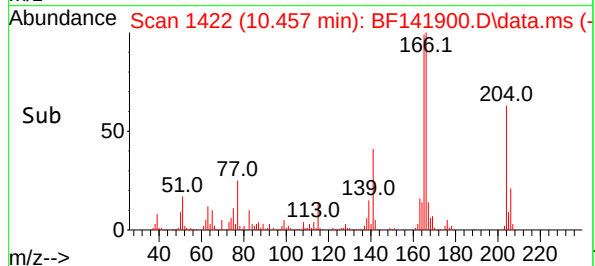
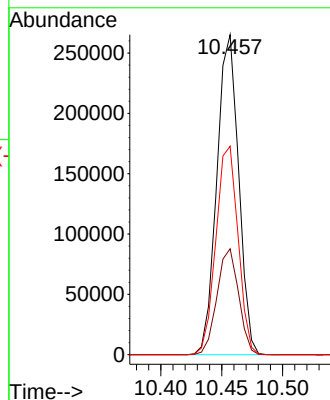
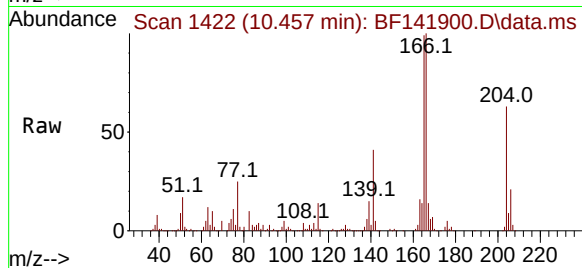




#61
4-Chlorophenyl-phenylether
Concen: 20.698 ng
RT: 10.457 min Scan# 1422
Delta R.T. 0.000 min
Lab File: BF141900.D
Acq: 10 Mar 2025 12:29

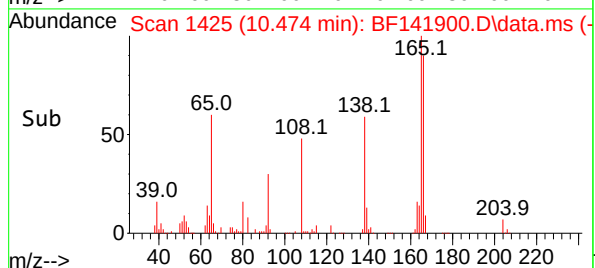
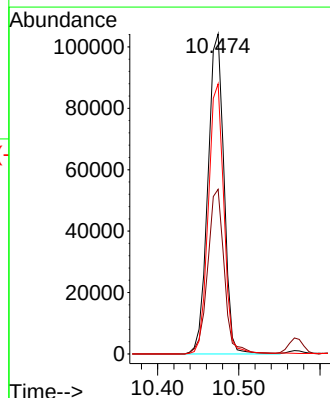
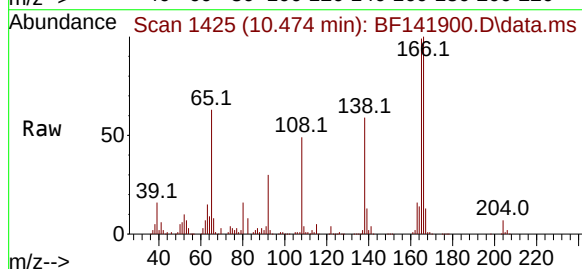
Instrument :
BNA_F
ClientSampleId :
SSTDICC020

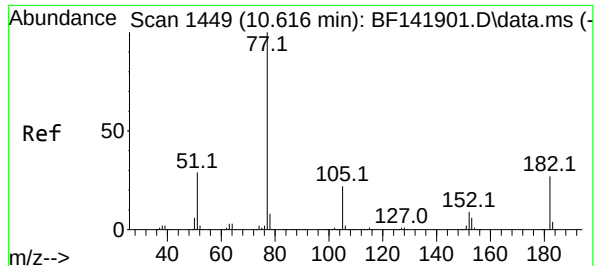
Tgt Ion:204 Resp: 330489
Ion Ratio Lower Upper
204 100
206 33.1 26.8 40.2
141 65.1 52.4 78.6



#62
4-Nitroaniline
Concen: 21.125 ng
RT: 10.474 min Scan# 1425
Delta R.T. -0.006 min
Lab File: BF141900.D
Acq: 10 Mar 2025 12:29

Tgt Ion:138 Resp: 142995
Ion Ratio Lower Upper
138 100
92 51.4 32.6 72.6
108 84.4 65.0 105.0

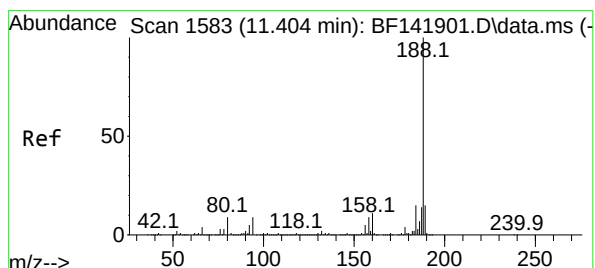
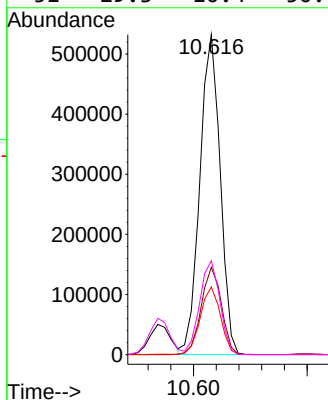
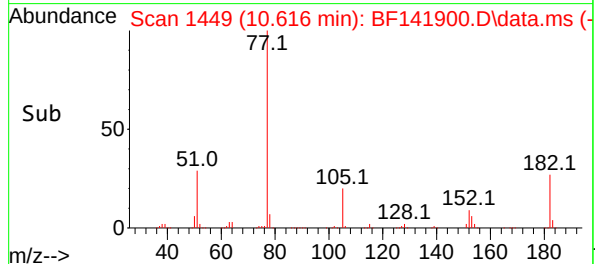
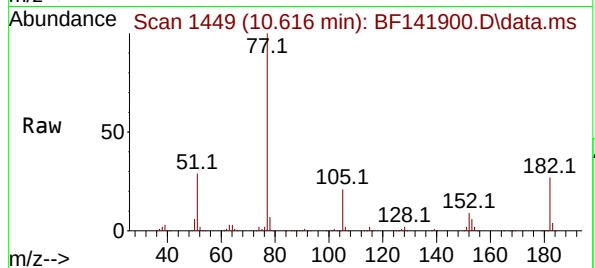




#63
Azobenzene
Concen: 21.665 ng
RT: 10.616 min Scan# 1449
Delta R.T. 0.000 min
Lab File: BF141900.D
Acq: 10 Mar 2025 12:29

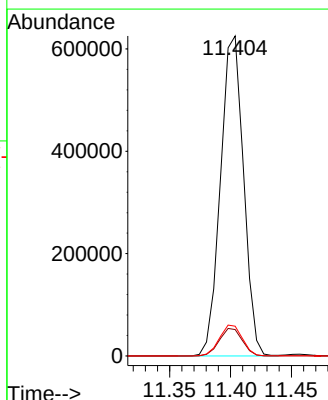
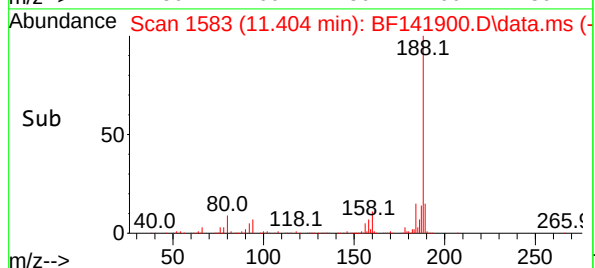
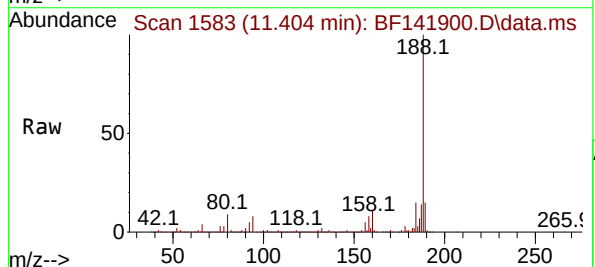
Instrument :
BNA_F
ClientSampleId :
SSTDICC020

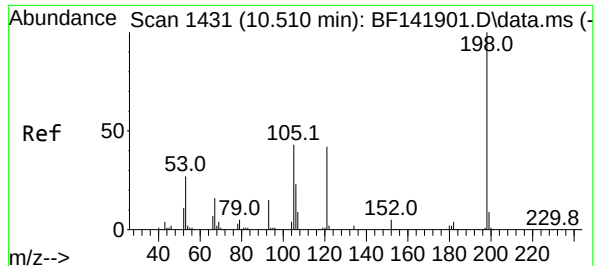
Tgt Ion: 77 Resp: 660935
Ion Ratio Lower Upper
77 100
182 27.3 6.6 46.6
105 21.2 1.3 41.3
51 29.3 10.4 50.4



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.404 min Scan# 1583
Delta R.T. -0.000 min
Lab File: BF141900.D
Acq: 10 Mar 2025 12:29

Tgt Ion: 188 Resp: 826085
Ion Ratio Lower Upper
188 100
94 8.2 6.8 10.2
80 9.3 7.6 11.4

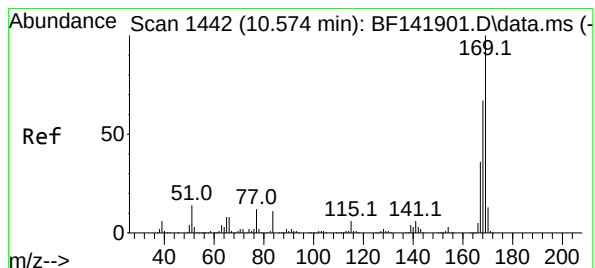
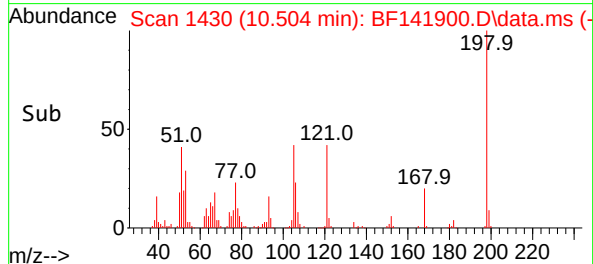
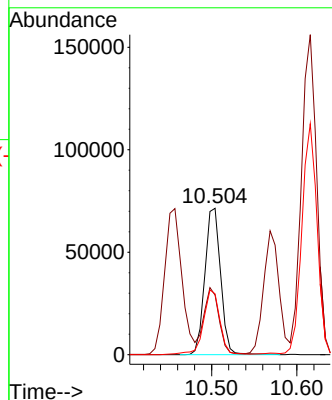
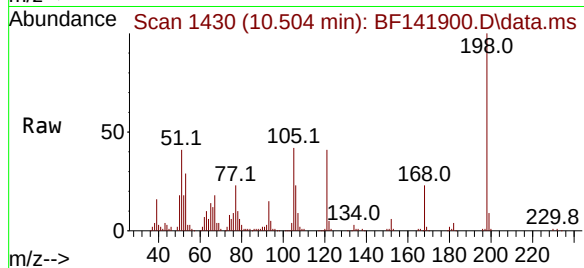




#65
4,6-Dinitro-2-methylphenol
Concen: 18.755 ng
RT: 10.504 min Scan# 1431
Delta R.T. -0.006 min
Lab File: BF141900.D
Acq: 10 Mar 2025 12:29

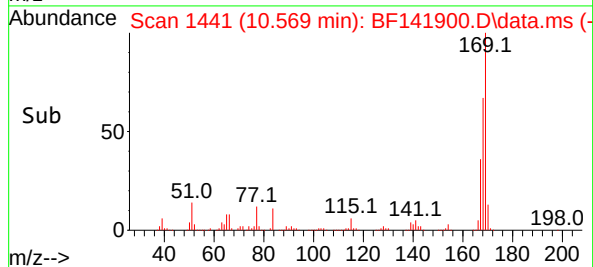
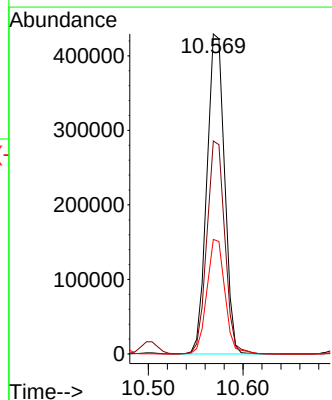
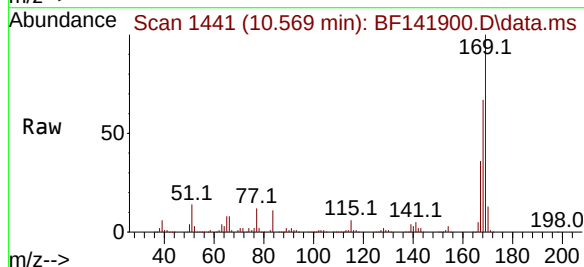
Instrument :
BNA_F
ClientSampleId :
SSTDICC020

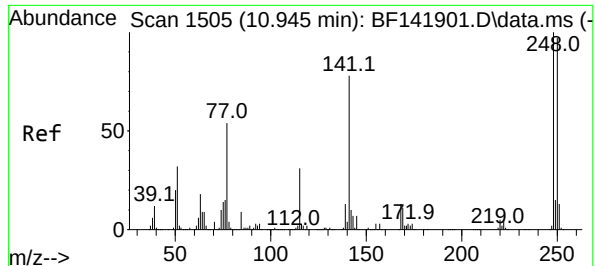
Tgt Ion:198 Resp: 91852
Ion Ratio Lower Upper
198 100
51 40.7 22.3 62.3
105 41.6 23.0 63.0



#66
n-Nitrosodiphenylamine
Concen: 20.756 ng
RT: 10.569 min Scan# 1441
Delta R.T. -0.006 min
Lab File: BF141900.D
Acq: 10 Mar 2025 12:29

Tgt Ion:169 Resp: 553905
Ion Ratio Lower Upper
169 100
168 66.6 53.7 80.5
167 35.8 29.2 43.8

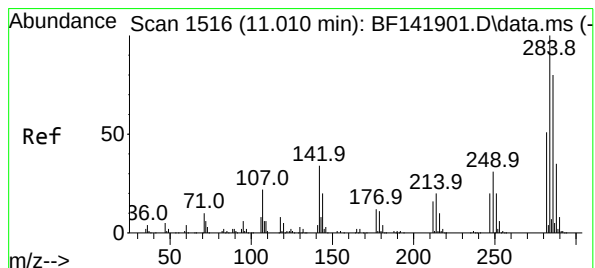
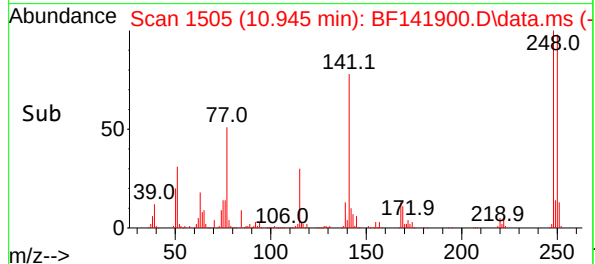
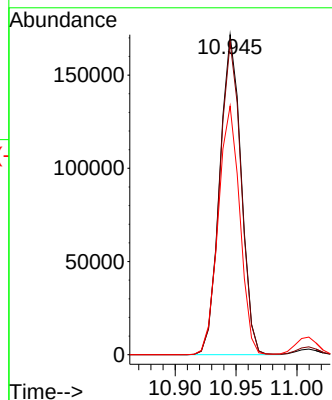
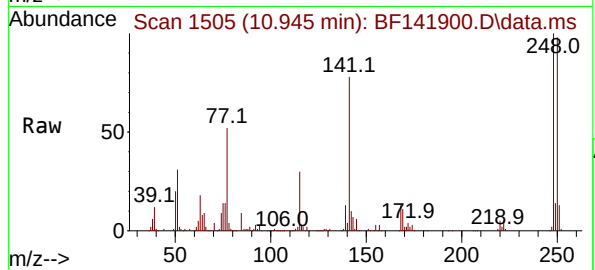




#67
4-Bromophenyl-phenylether
Concen: 20.436 ng
RT: 10.945 min Scan# 1505
Delta R.T. 0.000 min
Lab File: BF141900.D
Acq: 10 Mar 2025 12:29

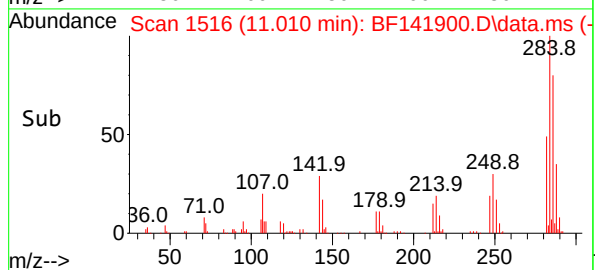
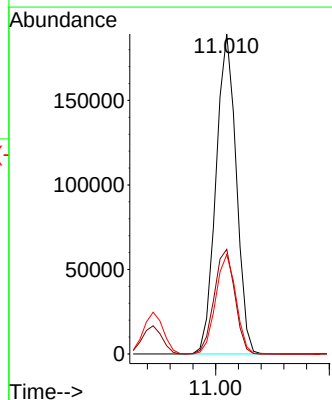
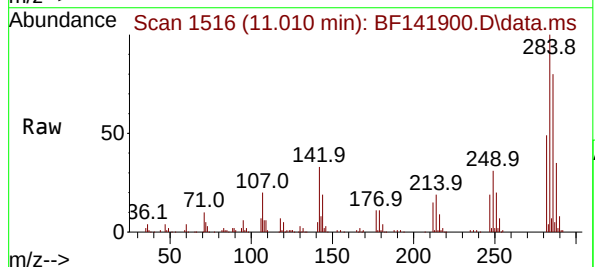
Instrument :
BNA_F
ClientSampleId :
SSTDICC020

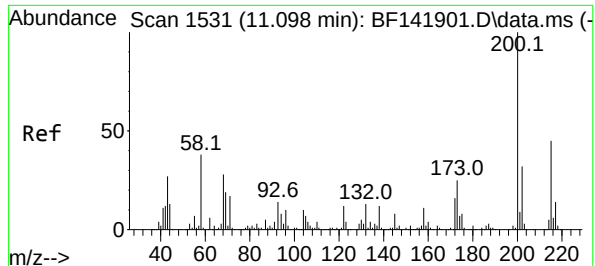
Tgt Ion:248 Resp: 210241
Ion Ratio Lower Upper
248 100
250 97.7 77.8 116.8
141 77.7 62.6 93.8



#68
Hexachlorobenzene
Concen: 20.613 ng
RT: 11.010 min Scan# 1516
Delta R.T. 0.000 min
Lab File: BF141900.D
Acq: 10 Mar 2025 12:29

Tgt Ion:284 Resp: 234399
Ion Ratio Lower Upper
284 100
142 32.7 27.0 40.6
249 31.1 25.2 37.8





#69

Atrazine

Concen: 24.481 ng

RT: 11.092 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF141900.D

Acq: 10 Mar 2025 12:29

Instrument :

BNA_F

ClientSampleId :

SSTDICC020

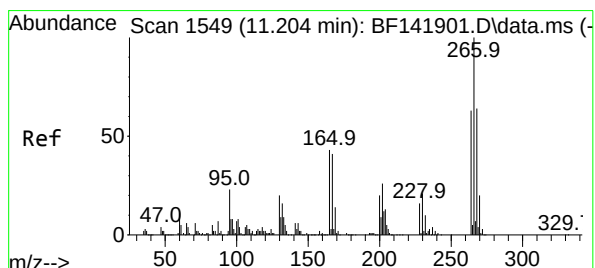
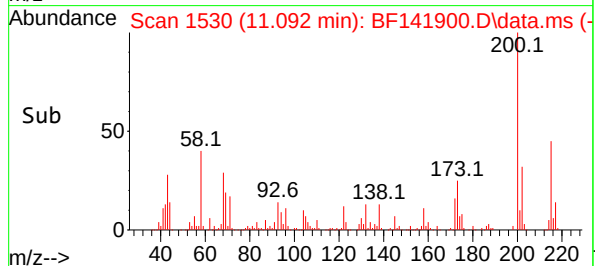
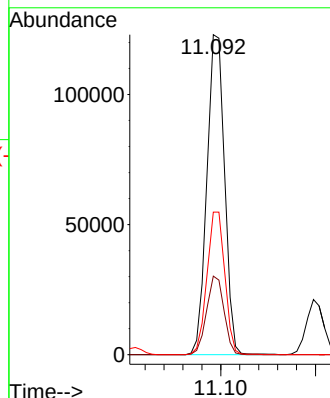
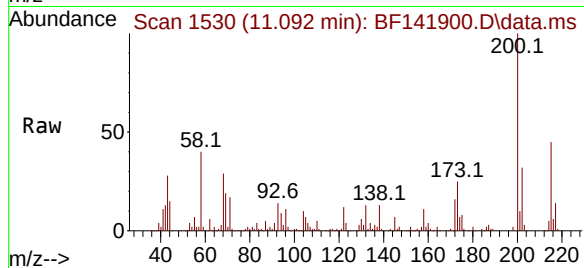
Tgt Ion:200 Resp: 159306

Ion Ratio Lower Upper

200 100

173 24.6 4.7 44.7

215 44.5 25.4 65.4



#70

Pentachlorophenol

Concen: 20.227 ng

RT: 11.198 min Scan# 1548

Delta R.T. -0.006 min

Lab File: BF141900.D

Acq: 10 Mar 2025 12:29

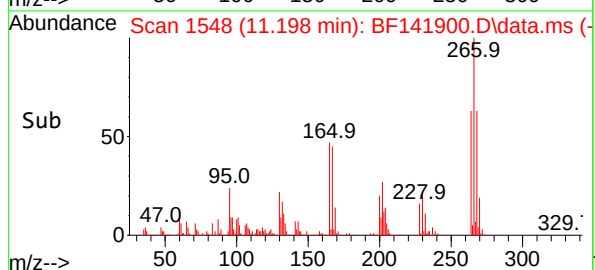
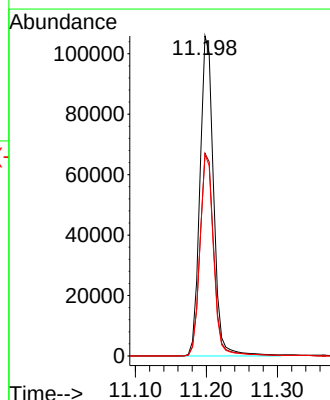
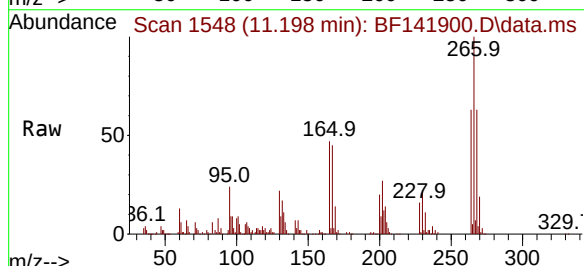
Tgt Ion:266 Resp: 141842

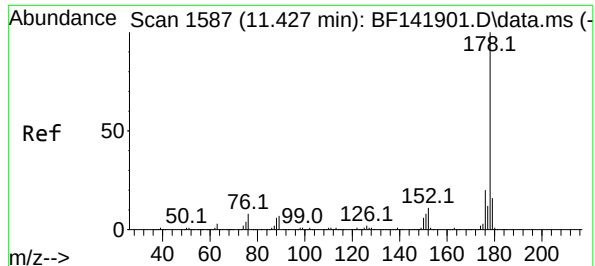
Ion Ratio Lower Upper

266 100

268 63.4 51.0 76.6

264 62.9 50.2 75.2

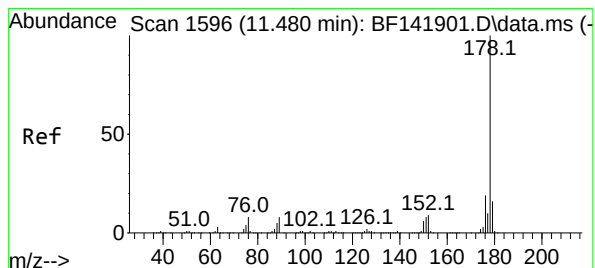
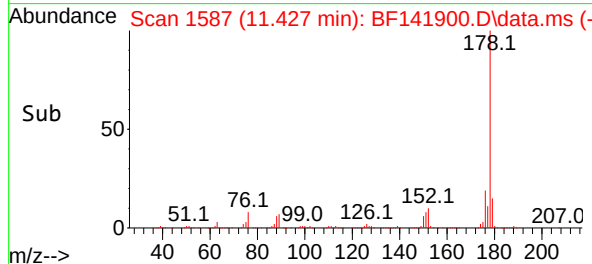
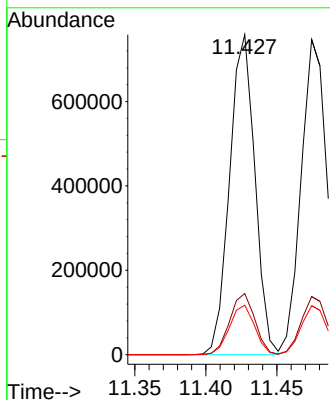
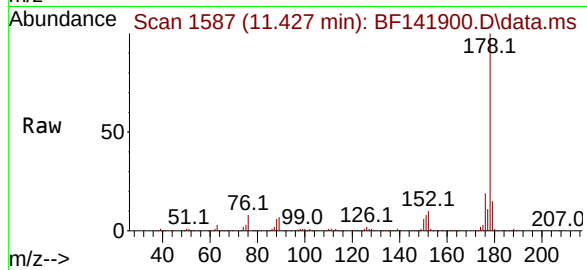




#71
Phenanthrene
Concen: 21.038 ng
RT: 11.427 min Scan# 1587
Delta R.T. 0.000 min
Lab File: BF141900.D
Acq: 10 Mar 2025 12:29

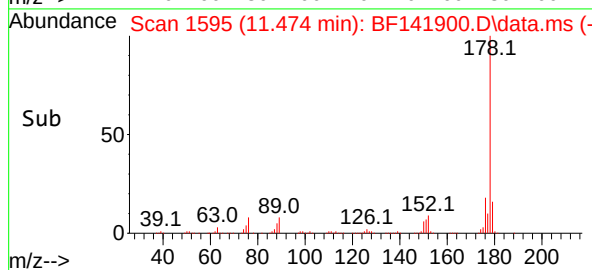
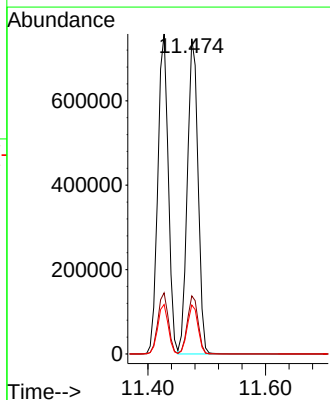
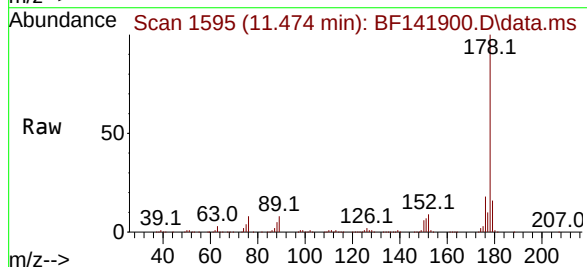
Instrument :
BNA_F
ClientSampleId :
SSTDICC020

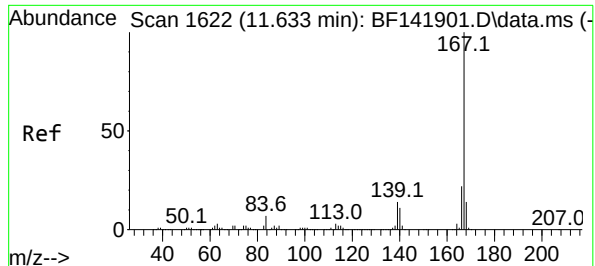
Tgt Ion:178 Resp: 939782
Ion Ratio Lower Upper
178 100
176 19.1 15.8 23.8
179 15.5 12.6 19.0



#72
Anthracene
Concen: 20.993 ng
RT: 11.474 min Scan# 1595
Delta R.T. -0.006 min
Lab File: BF141900.D
Acq: 10 Mar 2025 12:29

Tgt Ion:178 Resp: 940875
Ion Ratio Lower Upper
178 100
176 18.4 15.1 22.7
179 15.5 12.6 19.0





#73

Carbazole

Concen: 21.096 ng

RT: 11.627 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF141900.D

Acq: 10 Mar 2025 12:29

Instrument :

BNA_F

ClientSampleId :

SSTDICC020

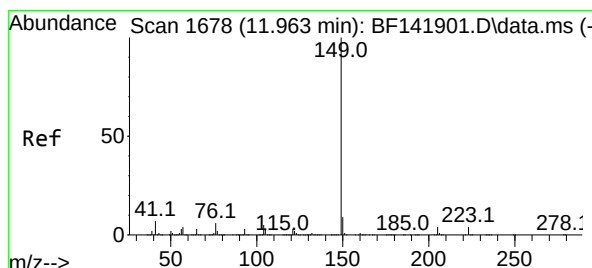
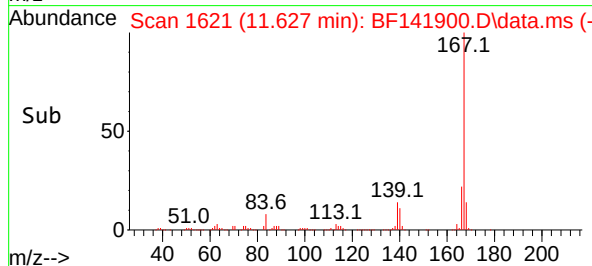
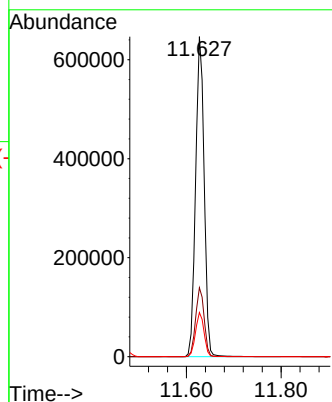
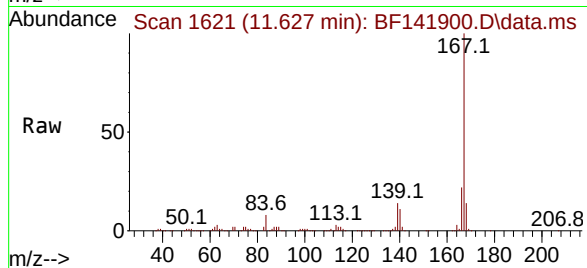
Tgt Ion:167 Resp: 813998

Ion Ratio Lower Upper

167 100

166 21.5 17.4 26.2

139 13.8 11.0 16.6



#74

Di-n-butylphthalate

Concen: 21.382 ng

RT: 11.963 min Scan# 1678

Delta R.T. 0.000 min

Lab File: BF141900.D

Acq: 10 Mar 2025 12:29

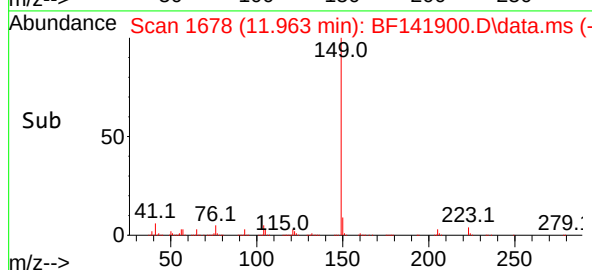
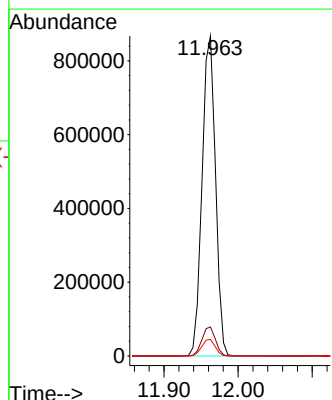
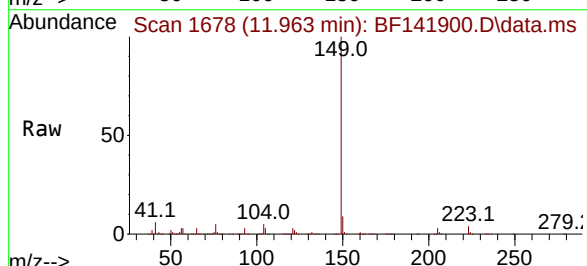
Tgt Ion:149 Resp: 1089304

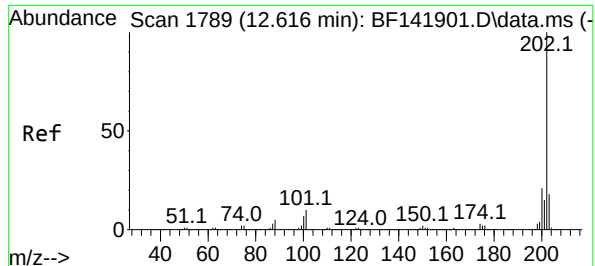
Ion Ratio Lower Upper

149 100

150 9.1 7.6 11.4

104 5.2 4.4 6.6

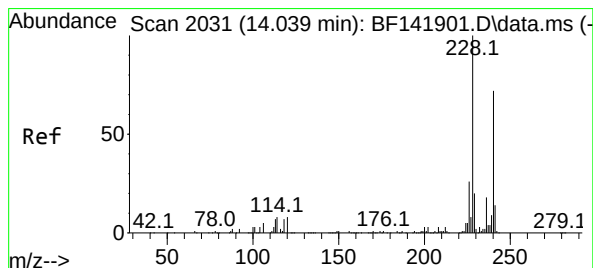
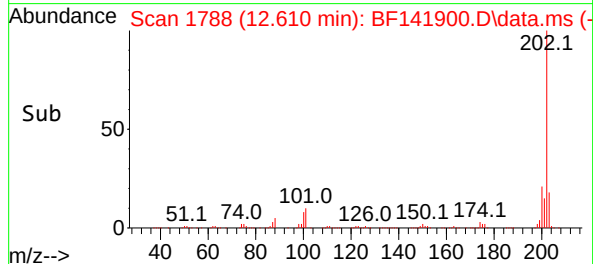
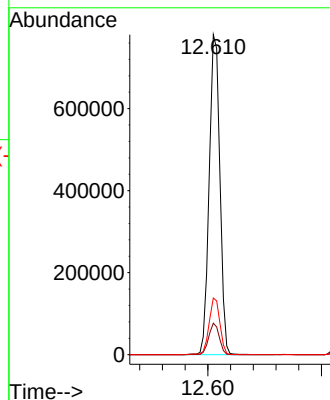
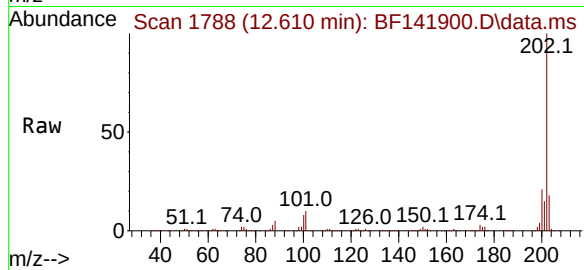




#75
Fluoranthene
Concen: 21.632 ng
RT: 12.610 min Scan# 1788
Delta R.T. -0.006 min
Lab File: BF141900.D
Acq: 10 Mar 2025 12:29

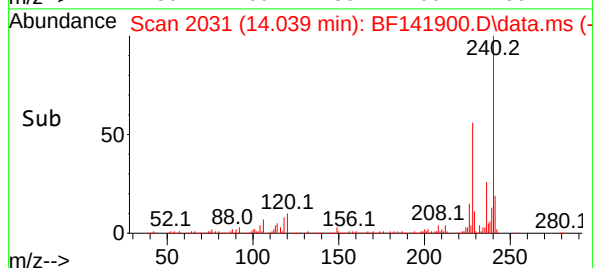
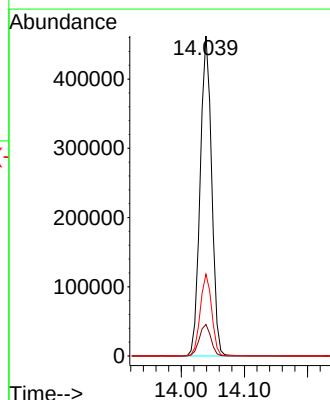
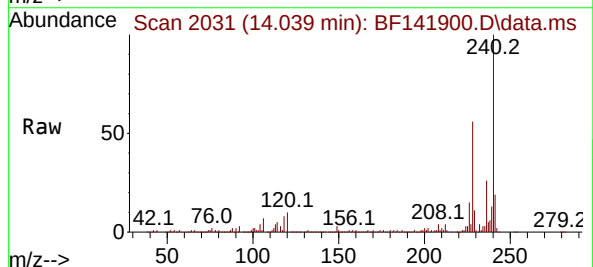
Instrument :
BNA_F
ClientSampleId :
SSTDICC020

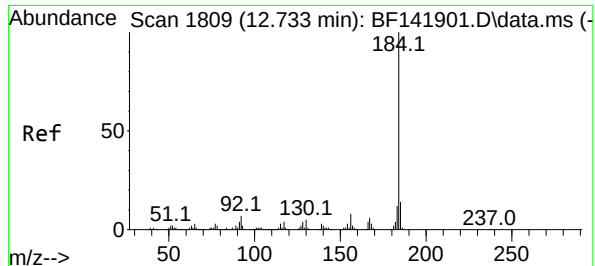
Tgt Ion:202 Resp: 1014464
Ion Ratio Lower Upper
202 100
101 9.9 0.0 29.7
203 17.7 0.0 37.8



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.039 min Scan# 2031
Delta R.T. 0.000 min
Lab File: BF141900.D
Acq: 10 Mar 2025 12:29

Tgt Ion:240 Resp: 581591
Ion Ratio Lower Upper
240 100
120 9.9 8.4 12.6
236 25.6 20.5 30.7





#77

Benzidine

Concen: 13.463 ng

RT: 12.733 min Scan# 1809

Delta R.T. 0.000 min

Lab File: BF141900.D

Acq: 10 Mar 2025 12:29

Instrument :

BNA_F

ClientSampleId :

SSTDICC020

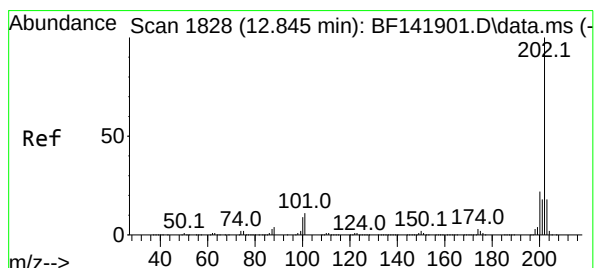
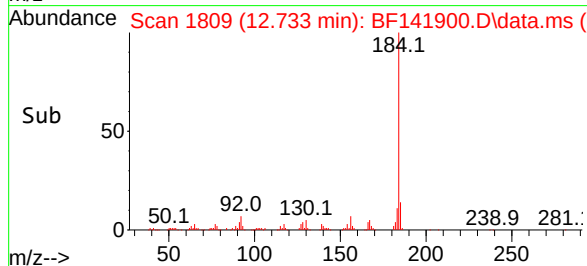
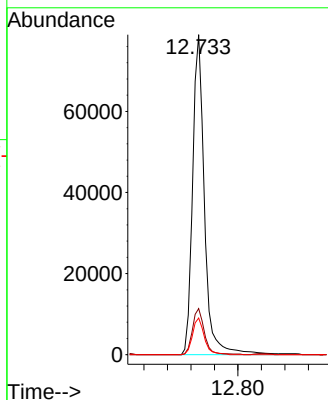
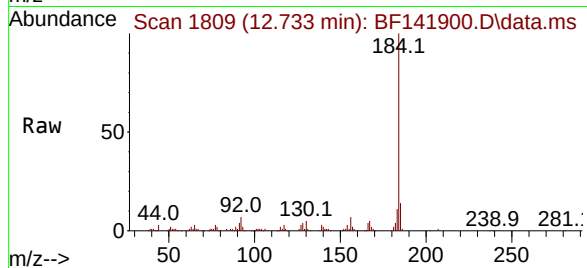
Tgt Ion:184 Resp: 110648

Ion Ratio Lower Upper

184 100

185 14.4 11.5 17.3

183 11.5 9.7 14.5



#78

Pyrene

Concen: 20.133 ng

RT: 12.839 min Scan# 1827

Delta R.T. -0.006 min

Lab File: BF141900.D

Acq: 10 Mar 2025 12:29

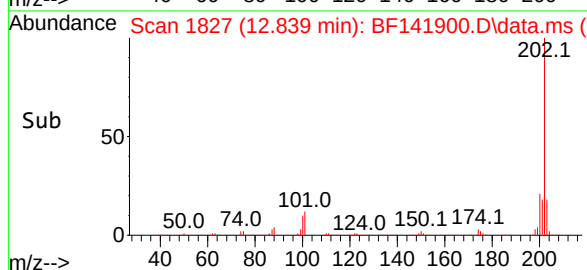
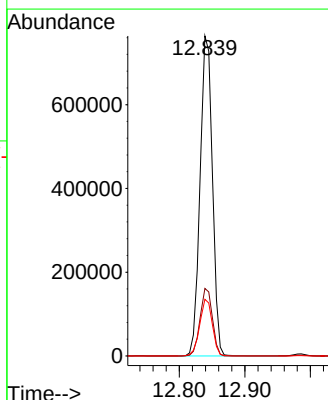
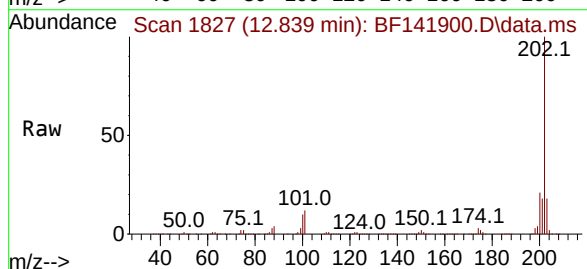
Tgt Ion:202 Resp: 1004157

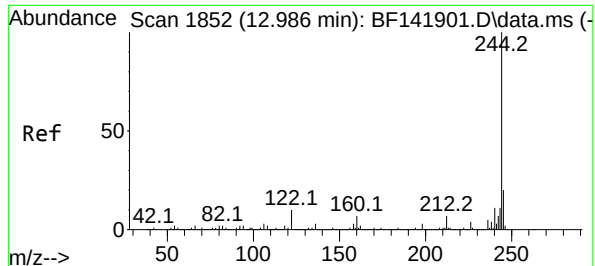
Ion Ratio Lower Upper

202 100

200 21.1 17.3 25.9

203 17.7 14.4 21.6

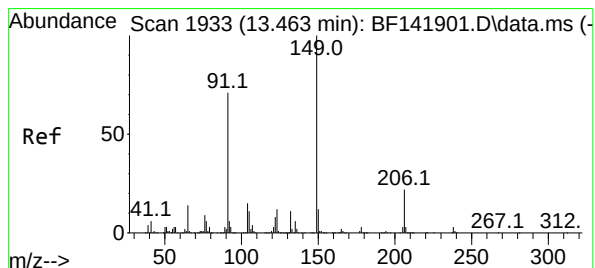
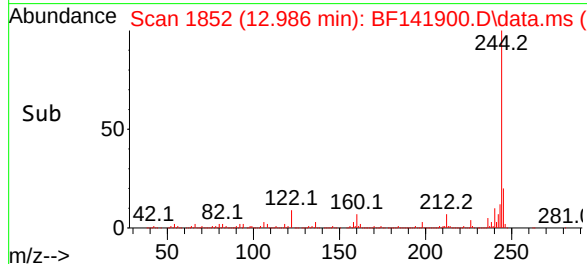
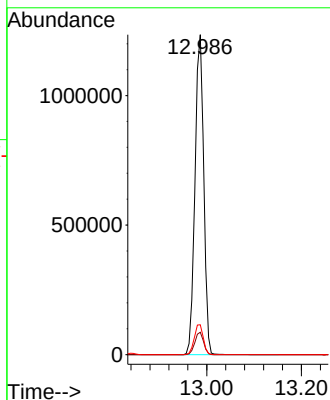
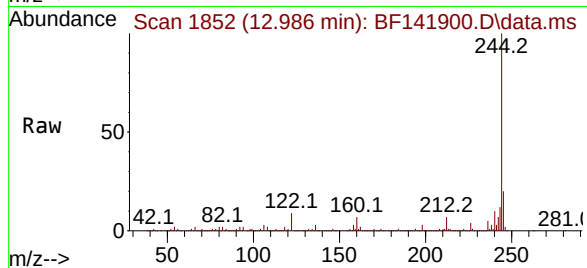




#79
Terphenyl-d14
Concen: 40.218 ng
RT: 12.986 min Scan# 1852
Delta R.T. 0.000 min
Lab File: BF141900.D
Acq: 10 Mar 2025 12:29

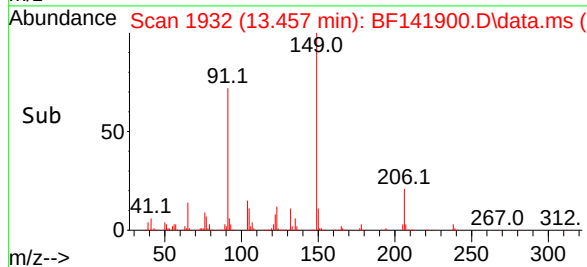
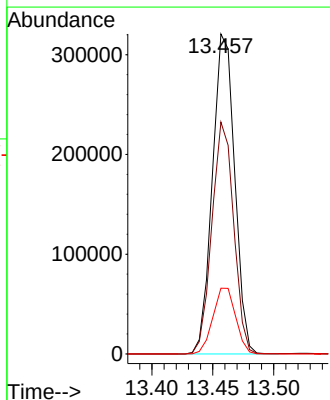
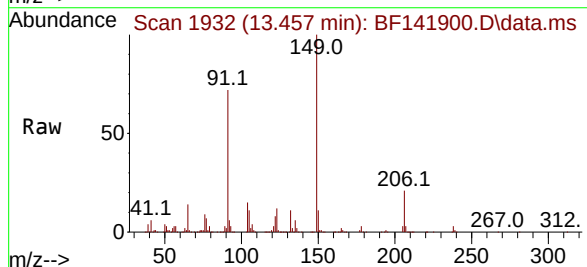
Instrument :
BNA_F
ClientSampleId :
SSTDICC020

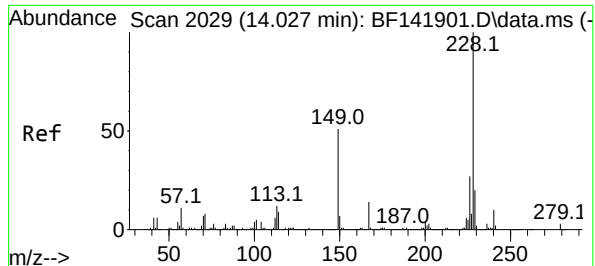
Tgt Ion:244 Resp: 1582373
Ion Ratio Lower Upper
244 100
212 7.0 6.0 9.0
122 9.4 7.7 11.5



#80
Butylbenzylphthalate
Concen: 20.761 ng
RT: 13.457 min Scan# 1932
Delta R.T. -0.006 min
Lab File: BF141900.D
Acq: 10 Mar 2025 12:29

Tgt Ion:149 Resp: 408044
Ion Ratio Lower Upper
149 100
91 72.5 56.5 84.7
206 20.5 17.3 25.9





#81

Benzo(a)anthracene

Concen: 20.285 ng

RT: 14.027 min Scan# 2029

Delta R.T. 0.000 min

Lab File: BF141900.D

Acq: 10 Mar 2025 12:29

Instrument :

BNA_F

ClientSampleId :

SSTDICC020

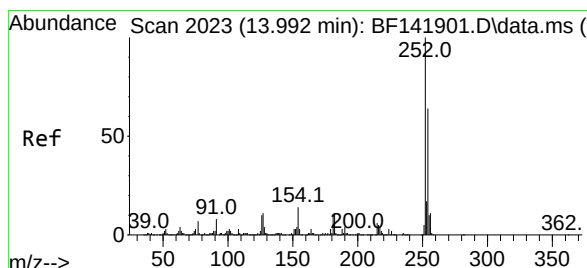
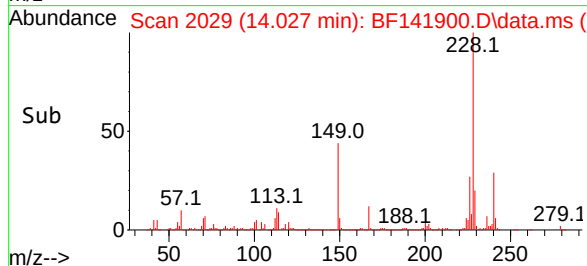
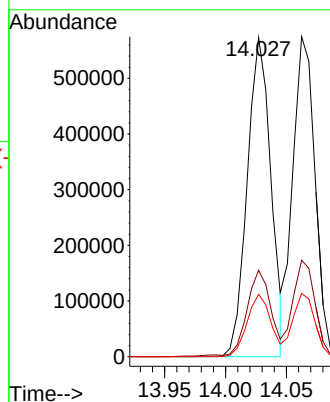
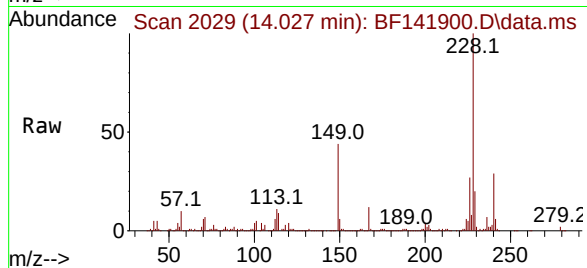
Tgt Ion:228 Resp: 776120

Ion Ratio Lower Upper

228 100

226 27.1 21.8 32.8

229 19.6 16.0 24.0



#82

3,3'-Dichlorobenzidine

Concen: 19.999 ng

RT: 13.992 min Scan# 2023

Delta R.T. 0.000 min

Lab File: BF141900.D

Acq: 10 Mar 2025 12:29

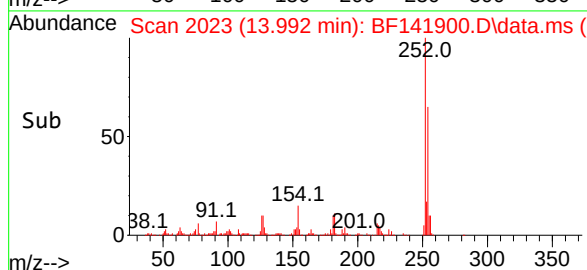
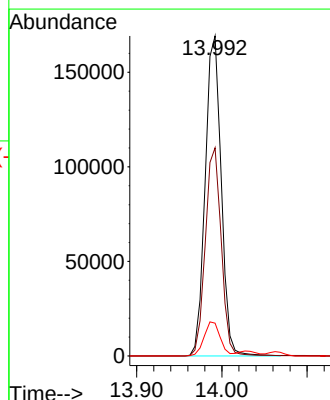
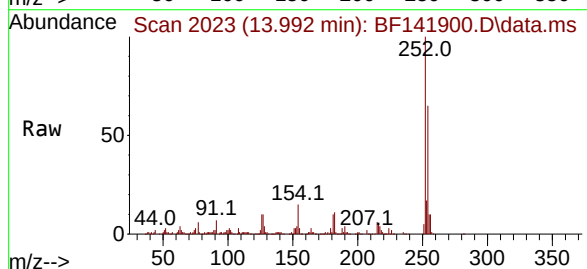
Tgt Ion:252 Resp: 221168

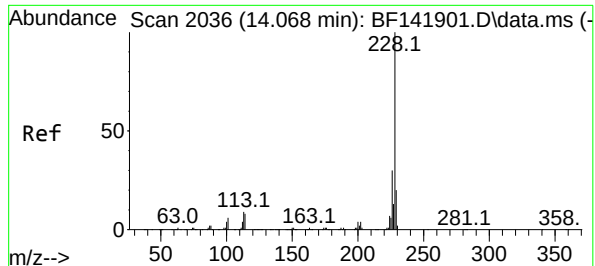
Ion Ratio Lower Upper

252 100

254 65.0 51.0 76.6

126 10.2 8.4 12.6

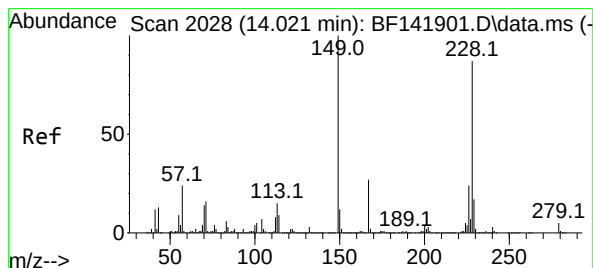
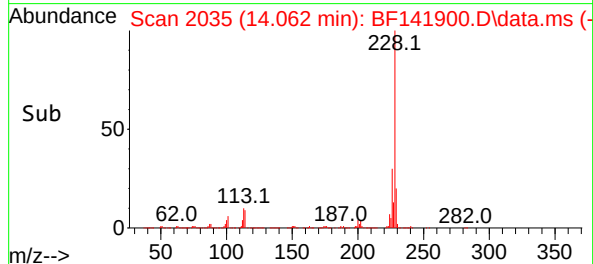
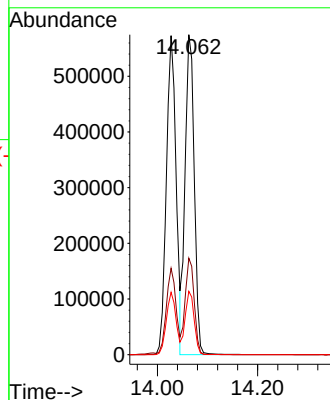
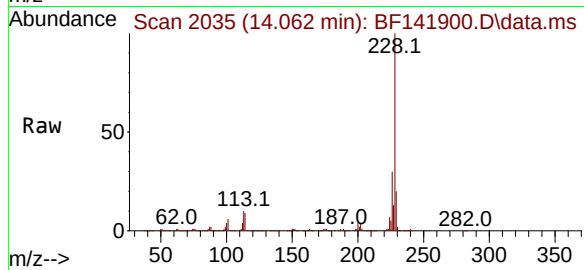




#83
Chrysene
Concen: 21.325 ng
RT: 14.062 min Scan# 2036
Delta R.T. -0.006 min
Lab File: BF141900.D
Acq: 10 Mar 2025 12:29

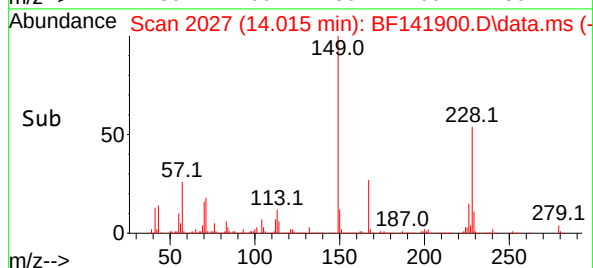
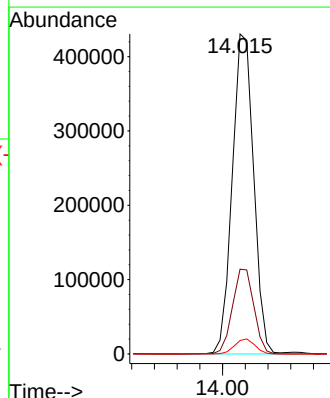
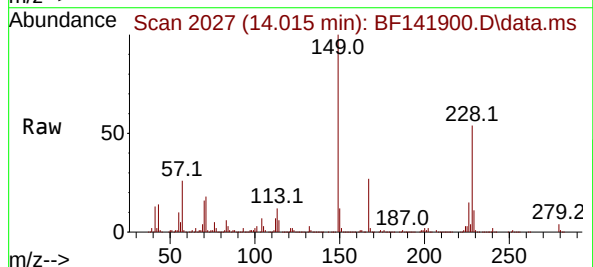
Instrument :
BNA_F
ClientSampleId :
SSTDICC020

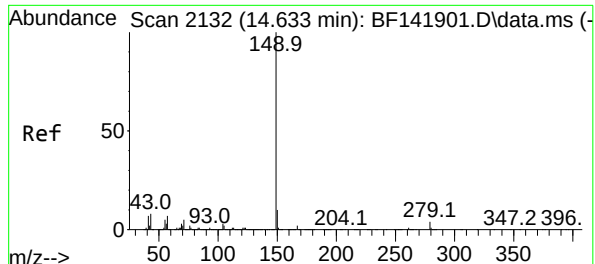
Tgt Ion:228 Resp: 732966
Ion Ratio Lower Upper
228 100
226 30.1 24.1 36.1
229 19.8 15.7 23.5



#84
Bis(2-ethylhexyl)phthalate
Concen: 20.845 ng
RT: 14.015 min Scan# 2027
Delta R.T. -0.006 min
Lab File: BF141900.D
Acq: 10 Mar 2025 12:29

Tgt Ion:149 Resp: 562062
Ion Ratio Lower Upper
149 100
167 26.5 21.4 32.0
279 4.2 3.8 5.6

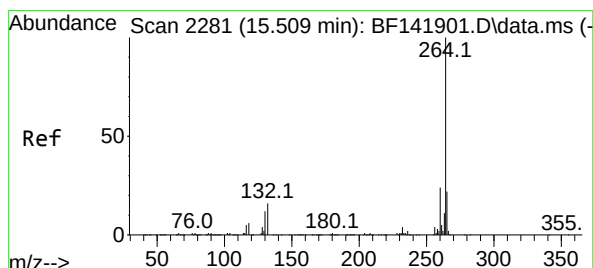
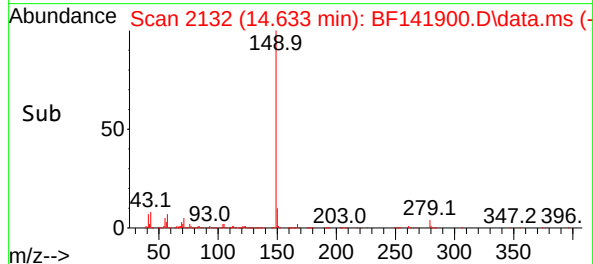
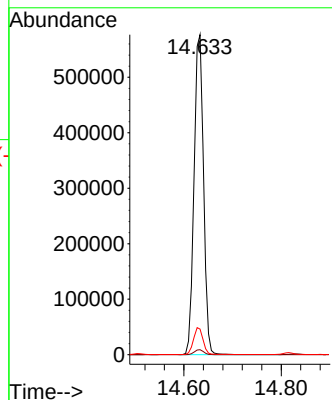
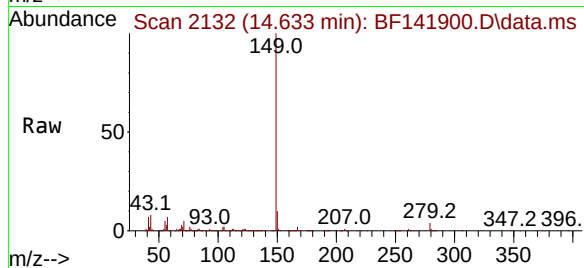




#85
Di-n-octyl phthalate
Concen: 20.740 ng
RT: 14.633 min Scan# 2132
Delta R.T. 0.000 min
Lab File: BF141900.D
Acq: 10 Mar 2025 12:29

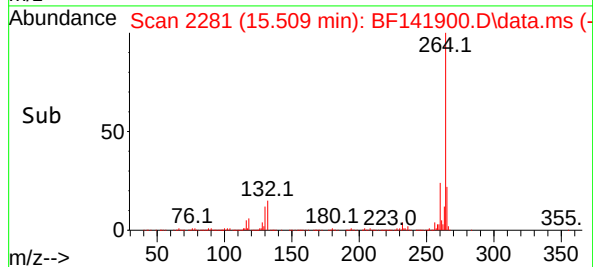
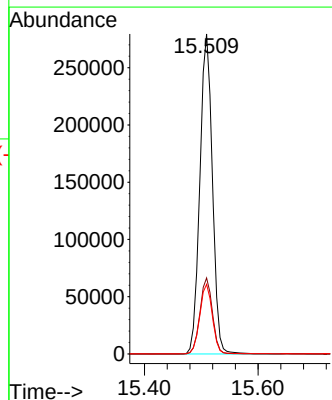
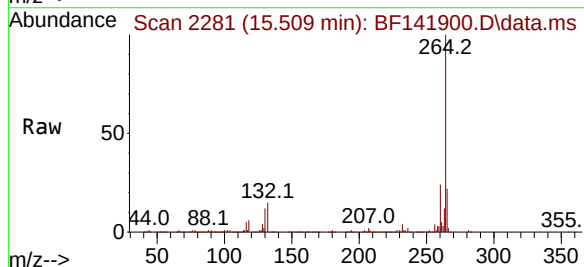
Instrument :
BNA_F
ClientSampleId :
SSTDICC020

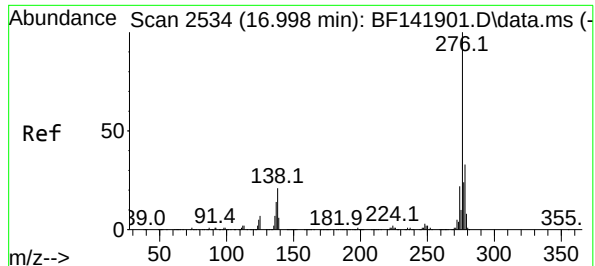
Tgt Ion:149 Resp: 778373
Ion Ratio Lower Upper
149 100
167 1.5 1.3 1.9
43 8.5 6.9 10.3



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.509 min Scan# 2281
Delta R.T. 0.000 min
Lab File: BF141900.D
Acq: 10 Mar 2025 12:29

Tgt Ion:264 Resp: 428960
Ion Ratio Lower Upper
264 100
260 23.8 19.1 28.7
265 21.7 17.5 26.3

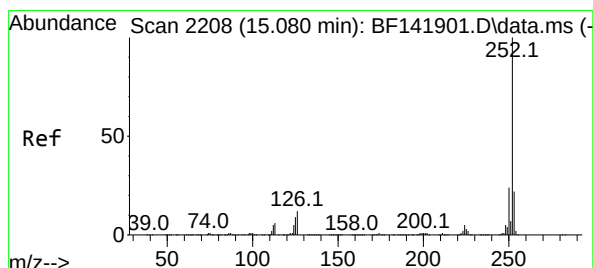
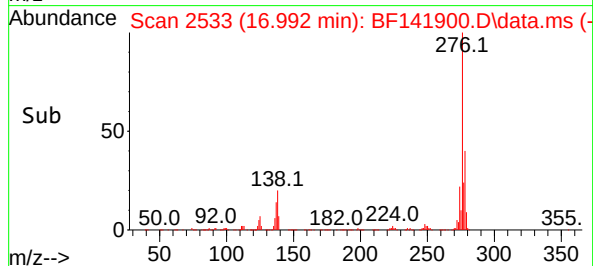
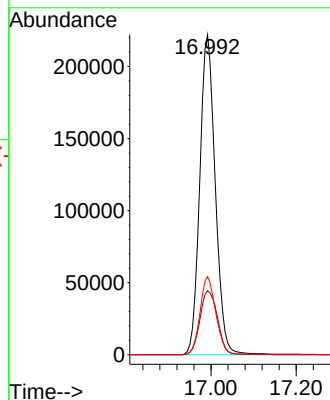
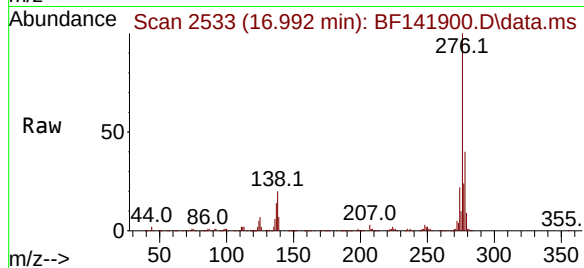




#87
Indeno(1,2,3-cd)pyrene
Concen: 20.163 ng
RT: 16.992 min Scan# 21
Delta R.T. -0.006 min
Lab File: BF141900.D
Acq: 10 Mar 2025 12:29

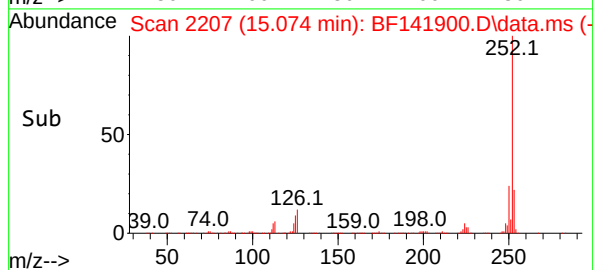
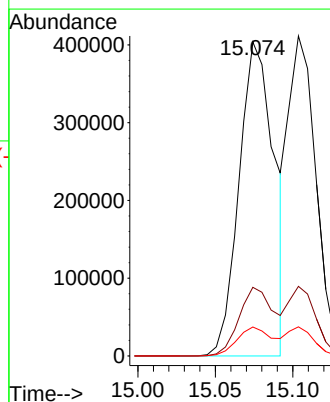
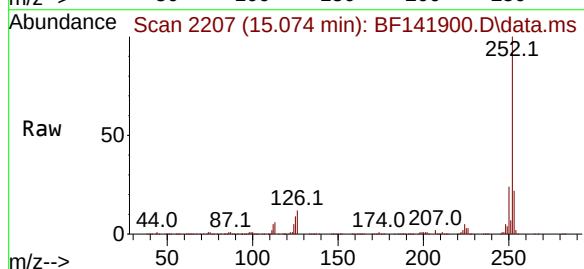
Instrument :
BNA_F
ClientSampleId :
SSTDICC020

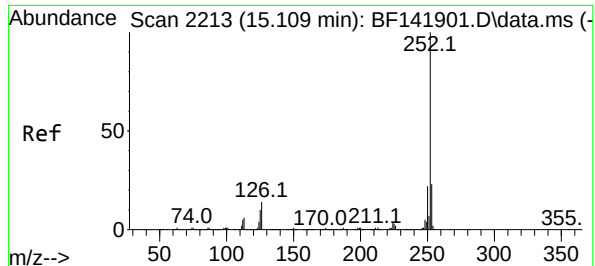
Tgt Ion:276 Resp: 560913
Ion Ratio Lower Upper
276 100
138 22.6 18.4 27.6
277 24.9 20.3 30.5



#88
Benzo(b)fluoranthene
Concen: 21.886 ng
RT: 15.074 min Scan# 2207
Delta R.T. -0.006 min
Lab File: BF141900.D
Acq: 10 Mar 2025 12:29

Tgt Ion:252 Resp: 636808
Ion Ratio Lower Upper
252 100
253 21.9 17.5 26.3
125 9.2 7.0 10.4





#89

Benzo(k)fluoranthene

Concen: 20.196 ng

RT: 15.104 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF141900.D

Acq: 10 Mar 2025 12:29

Instrument :

BNA_F

ClientSampleId :

SSTDICC020

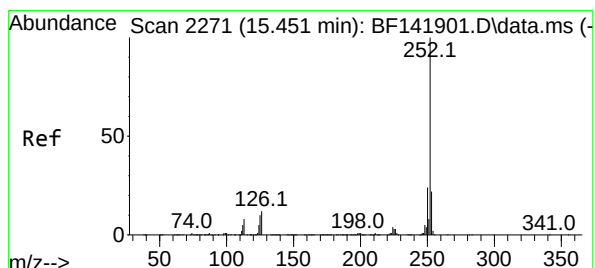
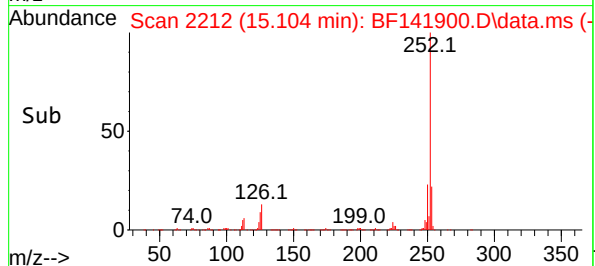
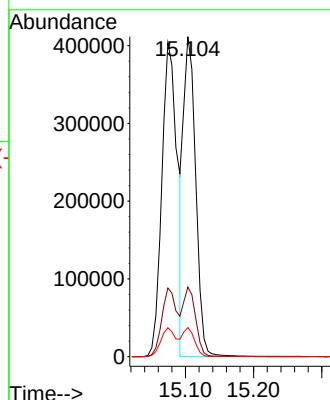
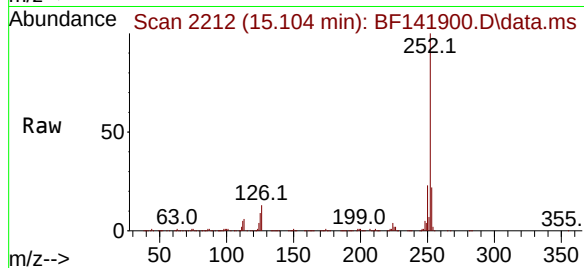
Tgt Ion:252 Resp: 513311

Ion Ratio Lower Upper

252 100

253 21.8 17.7 26.5

125 9.1 7.2 10.8



#90

Benzo(a)pyrene

Concen: 20.991 ng

RT: 15.445 min Scan# 2270

Delta R.T. -0.006 min

Lab File: BF141900.D

Acq: 10 Mar 2025 12:29

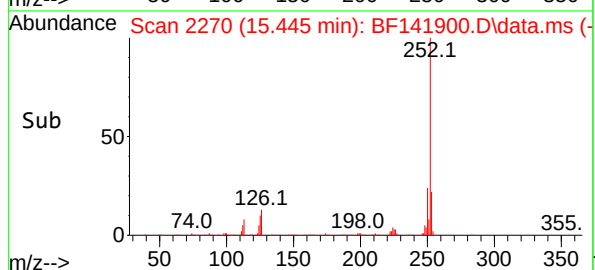
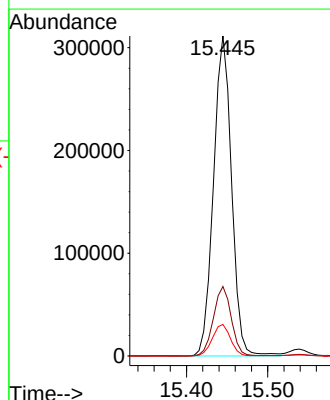
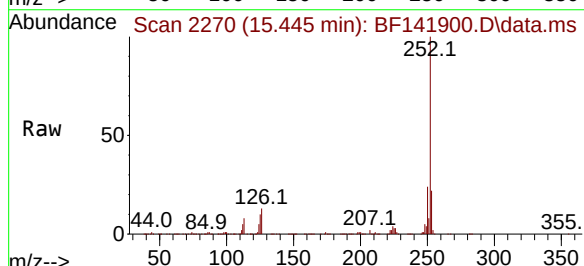
Tgt Ion:252 Resp: 481683

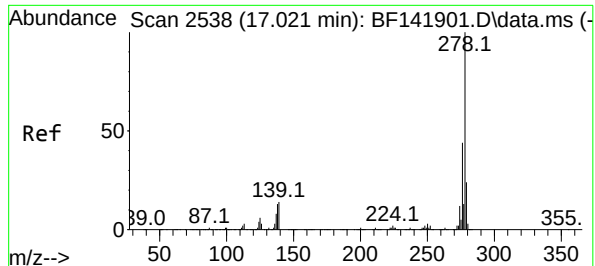
Ion Ratio Lower Upper

252 100

253 21.7 17.4 26.0

125 9.8 7.8 11.8





#91

Dibenzo(a,h)anthracene

Concen: 20.046 ng

RT: 17.009 min Scan# 21

Delta R.T. -0.012 min

Lab File: BF141900.D

Acq: 10 Mar 2025 12:29

Instrument :

BNA_F

ClientSampleId :

SSTDICC020

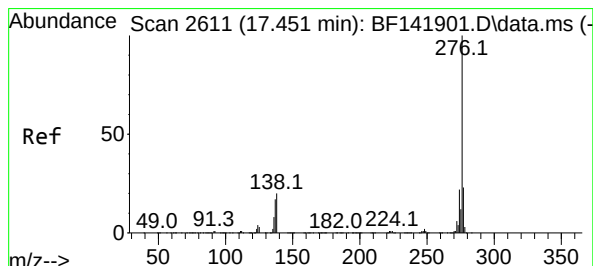
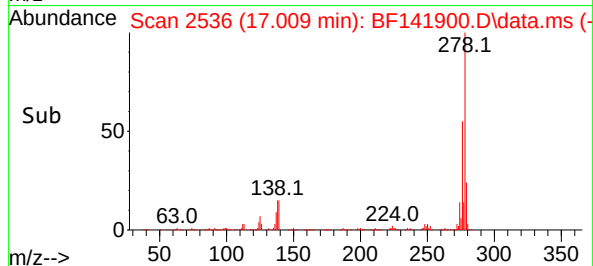
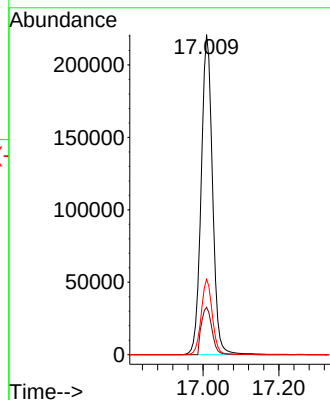
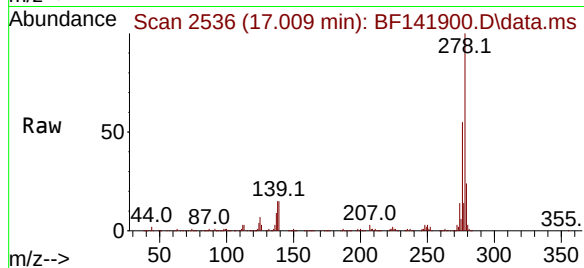
Tgt Ion:278 Resp: 460109

Ion Ratio Lower Upper

278 100

139 14.8 11.4 17.2

279 23.6 18.8 28.2



#92

Benzo(g,h,i)perylene

Concen: 19.987 ng

RT: 17.439 min Scan# 2609

Delta R.T. -0.012 min

Lab File: BF141900.D

Acq: 10 Mar 2025 12:29

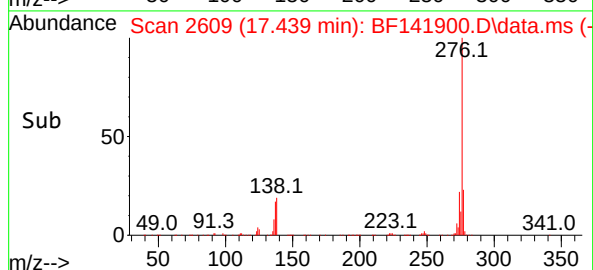
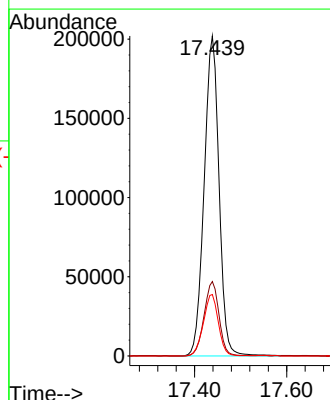
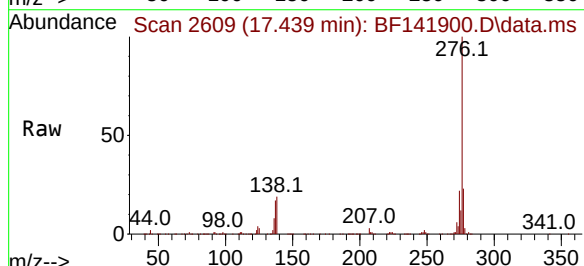
Tgt Ion:276 Resp: 455034

Ion Ratio Lower Upper

276 100

277 23.3 18.7 28.1

138 19.2 15.8 23.8



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF031025\
 Data File : BF141901.D
 Acq On : 10 Mar 2025 12:58
 Operator : RC/JU
 Sample : SSTDICCC040
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SSTDICCC040

Quant Time: Mar 10 15:35:20 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF031025.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Mar 10 15:01:52 2025
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.881	152	222904	20.000	ng	0.00
21) Naphthalene-d8	8.163	136	874166	20.000	ng	0.00
39) Acenaphthene-d10	9.916	164	493744	20.000	ng	0.00
64) Phenanthrene-d10	11.404	188	839154	20.000	ng	0.00
76) Chrysene-d12	14.039	240	569865	20.000	ng	0.00
86) Perylene-d12	15.509	264	469286	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.492	112	1023722	76.628	ng	0.00
7) Phenol-d6	6.504	99	1285980	75.580	ng	0.00
23) Nitrobenzene-d5	7.445	82	1216280	77.983	ng	0.00
42) 2,4,6-Tribromophenol	10.704	330	493945	78.949	ng	0.00
45) 2-Fluorobiphenyl	9.239	172	2475837	76.357	ng	0.00
79) Terphenyl-d14	12.986	244	2908357	75.440	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	2.675	88	224795	40.148	ng	100
3) Pyridine	3.440	79	544434	39.565	ng	100
4) n-Nitrosodimethylamine	3.393	42	259739	39.710	ng	100
6) Aniline	6.545	93	653060	38.879	ng	100
8) 2-Chlorophenol	6.669	128	561230	37.902	ng	100
9) Benzaldehyde	6.434	77	346818	36.467	ng	100
10) Phenol	6.522	94	684724	38.141	ng	100
11) bis(2-Chloroethyl)ether	6.616	93	510214	37.932	ng	100
12) 1,3-Dichlorobenzene	6.822	146	611938	38.242	ng	100
13) 1,4-Dichlorobenzene	6.898	146	620951	38.355	ng	100
14) 1,2-Dichlorobenzene	7.051	146	581043	38.111	ng	100
15) Benzyl Alcohol	7.022	79	528444	38.371	ng	100
16) 2,2'-oxybis(1-Chloropr...	7.157	45	607522	37.476	ng	100
17) 2-Methylphenol	7.128	107	449433	38.190	ng	100
18) Hexachloroethane	7.392	117	230613	37.993	ng	100
19) n-Nitroso-di-n-propyla...	7.298	70	407069	37.223	ng	100
20) 3+4-Methylphenols	7.281	107	576902	38.219	ng	100
22) Acetophenone	7.292	105	804747	38.376	ng	100
24) Nitrobenzene	7.463	77	604738	39.106	ng	100
25) Isophorone	7.704	82	1049049	38.097	ng	100
26) 2-Nitrophenol	7.781	139	305349	40.295	ng	100
27) 2,4-Dimethylphenol	7.810	122	403621	38.671	ng	100
28) bis(2-Chloroethoxy)met...	7.910	93	650344	37.702	ng	100
29) 2,4-Dichlorophenol	8.016	162	500239	38.619	ng	100
30) 1,2,4-Trichlorobenzene	8.104	180	541182	37.870	ng	100
31) Naphthalene	8.186	128	1719643	38.400	ng	100
32) Benzoic acid	7.928	122	363328	39.827	ng	100
33) 4-Chloroaniline	8.228	127	613535	38.824	ng	100
34) Hexachlorobutadiene	8.304	225	355740	38.285	ng	100
35) Caprolactam	8.604	113	147056	37.335	ng	100
36) 4-Chloro-3-methylphenol	8.704	107	555328	38.549	ng	100
37) 2-Methylnaphthalene	8.875	142	1141228	37.983	ng	100
38) 1-Methylnaphthalene	8.975	142	1089576	37.447	ng	100
40) 1,2,4,5-Tetrachloroben...	9.039	216	584322	38.814	ng	100
41) Hexachlorocyclopentadiene	9.028	237	246666	41.523	ng	100
43) 2,4,6-Trichlorophenol	9.145	196	392696	40.014	ng	100

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF031025\
 Data File : BF141901.D
 Acq On : 10 Mar 2025 12:58
 Operator : RC/JU
 Sample : SSTDICCC040
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SSTDICCC040

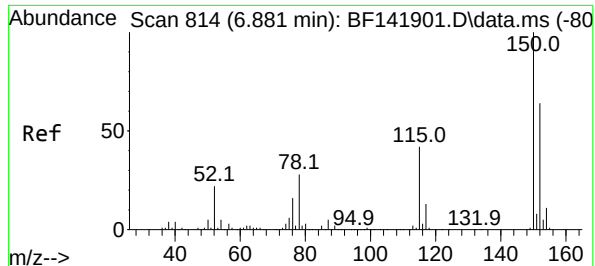
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 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Mar 10 15:01:52 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.186	196	384539	38.566	ng	100
46) 1,1'-Biphenyl	9.339	154	1436040	38.362	ng	100
47) 2-Chloronaphthalene	9.363	162	1077099	38.609	ng	100
48) 2-Nitroaniline	9.457	65	318068	39.690	ng	100
49) Acenaphthylene	9.780	152	1614250	39.029	ng	100
50) Dimethylphthalate	9.639	163	1312856	38.270	ng	100
51) 2,6-Dinitrotoluene	9.698	165	281695	39.486	ng	100
52) Acenaphthene	9.951	154	1132087	38.764	ng	100
53) 3-Nitroaniline	9.869	138	289208	39.481	ng	100
54) 2,4-Dinitrophenol	9.969	184	140024	38.116	ng	100
55) Dibenzofuran	10.122	168	1593454	38.266	ng	100
56) 4-Nitrophenol	10.016	139	227070	41.266	ng	100
57) 2,4-Dinitrotoluene	10.104	165	370337	39.437	ng	100
58) Fluorene	10.469	166	1213316	37.742	ng	100
59) 2,3,4,6-Tetrachlorophenol	10.239	232	354863	39.225	ng	100
60) Diethylphthalate	10.339	149	1319116	38.304	ng	100
61) 4-Chlorophenyl-phenyle...	10.457	204	635445	37.950	ng	100
62) 4-Nitroaniline	10.480	138	284615	40.097	ng	100
63) Azobenzene	10.616	77	1229473	38.432	ng	100
65) 4,6-Dinitro-2-methylph...	10.510	198	203106	40.827	ng	100
66) n-Nitrosodiphenylamine	10.574	169	1041349	38.415	ng	100
67) 4-Bromophenyl-phenylether	10.945	248	409602	39.195	ng	100
68) Hexachlorobenzene	11.010	284	452189	39.146	ng	100
69) Atrazine	11.098	200	275084	41.614	ng	100
70) Pentachlorophenol	11.204	266	297893	41.818	ng	100
71) Phenanthrene	11.427	178	1741309	38.373	ng	100
72) Anthracene	11.480	178	1756035	38.571	ng	100
73) Carbazole	11.633	167	1524663	38.898	ng	100
74) Di-n-butylphthalate	11.963	149	1975625	38.175	ng	100
75) Fluoranthene	12.616	202	1860202	39.049	ng	100
77) Benzidine	12.733	184	410026	50.915	ng	100
78) Pyrene	12.845	202	1835917	37.567	ng	100
80) Butylbenzylphthalate	13.463	149	746613	38.769	ng	100
81) Benzo(a)anthracene	14.027	228	1451332	38.713	ng	100
82) 3,3'-Dichlorobenzidine	13.992	252	423835	39.114	ng	100
83) Chrysene	14.068	228	1294538	38.439	ng	100
84) Bis(2-ethylhexyl)phtha...	14.021	149	1029987	38.985	ng	100
85) Di-n-octyl phthalate	14.633	149	1441248	39.193	ng	100
87) Indeno(1,2,3-cd)pyrene	16.998	276	1207616	39.681	ng	100
88) Benzo(b)fluoranthene	15.080	252	1135547	35.673	ng	100
89) Benzo(k)fluoranthene	15.109	252	1130615	40.661	ng	100
90) Benzo(a)pyrene	15.451	252	972220	38.727	ng	100
91) Dibenzo(a,h)anthracene	17.021	278	1002747	39.933	ng	100
92) Benzo(g,h,i)perylene	17.451	276	999947	40.149	ng	100

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

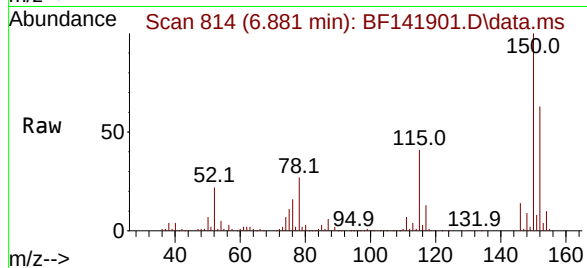
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BNA_F
ClientSampleId :
SSTDICCC040

[illegible]

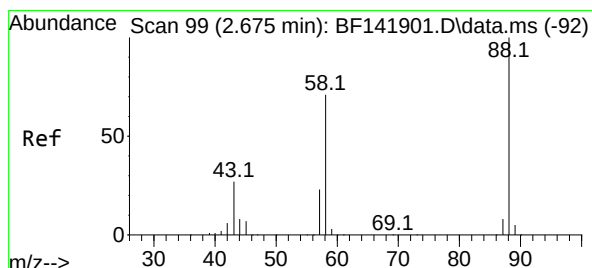
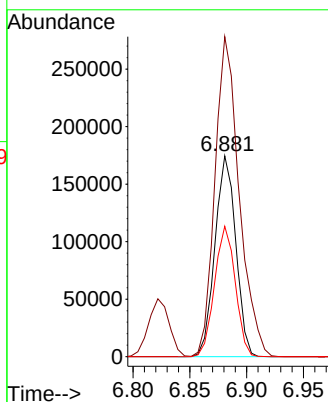
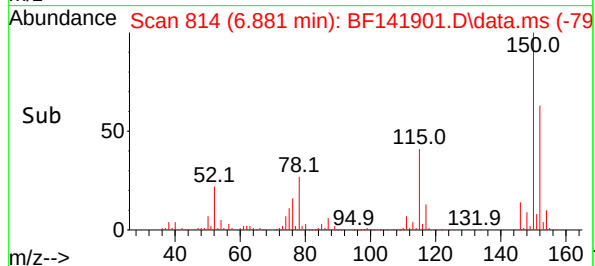


#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.881 min Scan# 814
Delta R.T. -0.000 min
Lab File: BF141901.D
Acq: 10 Mar 2025 12:58

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

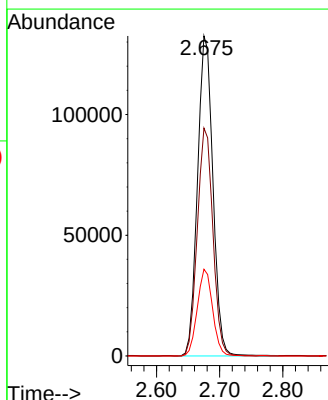
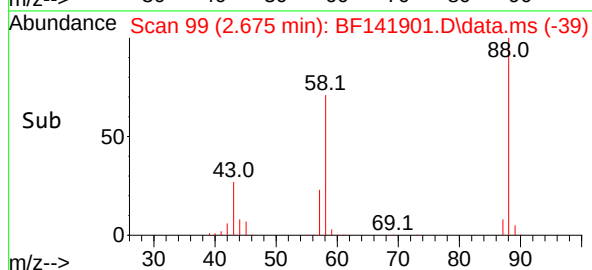
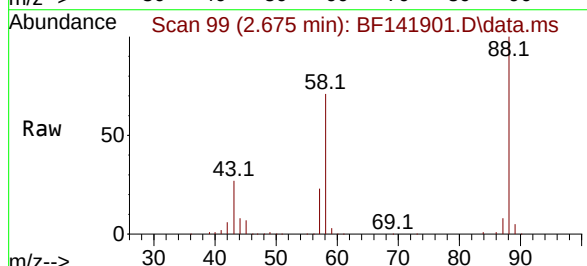


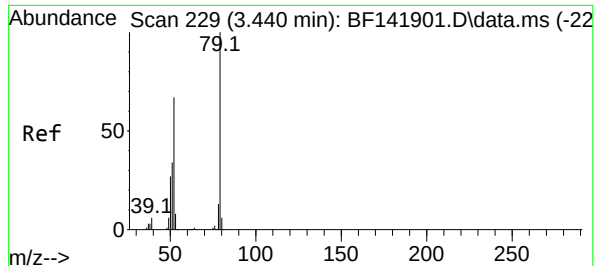
Tgt Ion:152 Resp: 222904
Ion Ratio Lower Upper
152 100
150 159.3 127.4 191.2
115 64.9 51.9 77.9



#2
1,4-Dioxane
Concen: 40.148 ng
RT: 2.675 min Scan# 99
Delta R.T. 0.000 min
Lab File: BF141901.D
Acq: 10 Mar 2025 12:58

Tgt Ion: 88 Resp: 224795
Ion Ratio Lower Upper
88 100
58 71.8 57.4 86.2
43 26.9 21.5 32.3





#3

Pyridine

Concen: 39.565 ng

RT: 3.440 min Scan# 21

Delta R.T. 0.000 min

Lab File: BF141901.D

Acq: 10 Mar 2025 12:58

Instrument :

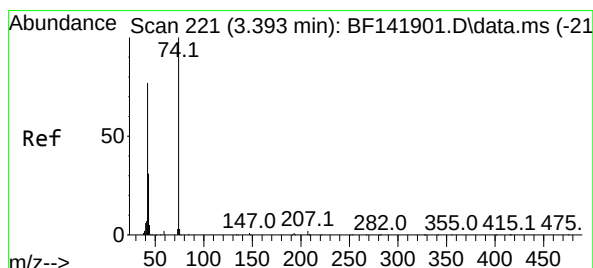
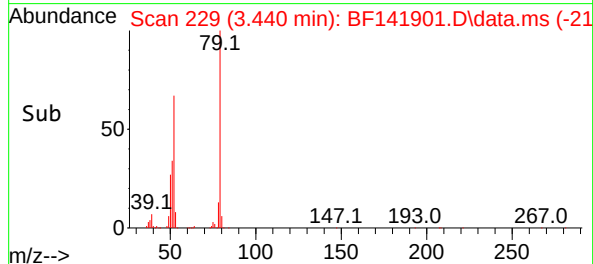
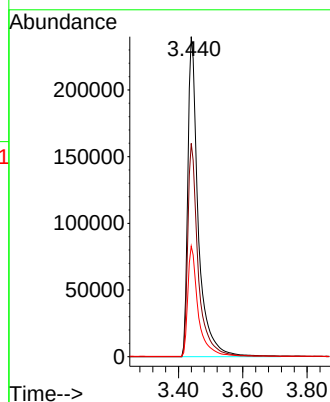
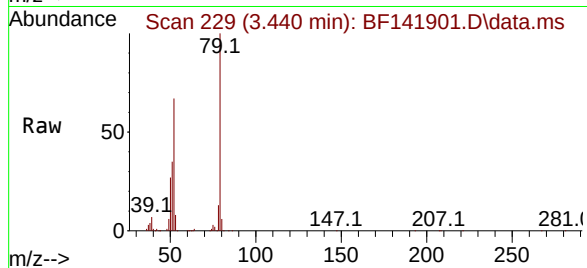
BNA_F

ClientSampleId :

SSTDICCC040

Tgt Ion: 79 Resp: 544434

Ion	Ratio	Lower	Upper
79	100		
52	66.6	53.3	79.9
51	34.5	27.6	41.4



#4

n-Nitrosodimethylamine

Concen: 39.710 ng

RT: 3.393 min Scan# 221

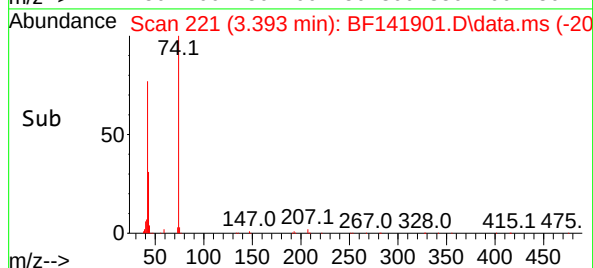
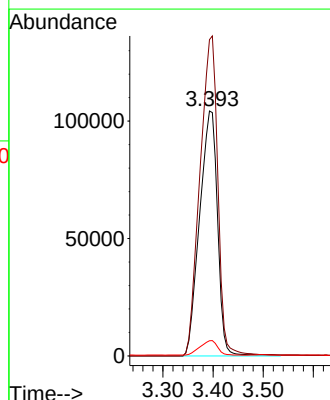
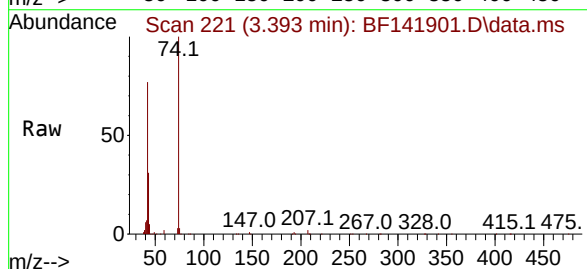
Delta R.T. 0.000 min

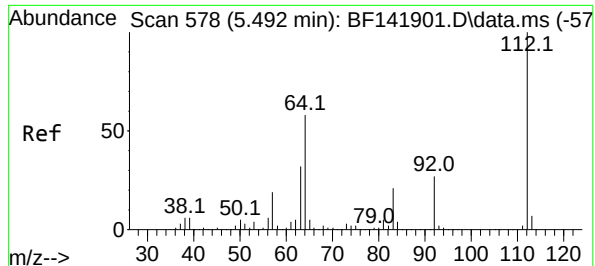
Lab File: BF141901.D

Acq: 10 Mar 2025 12:58

Tgt Ion: 42 Resp: 259739

Ion	Ratio	Lower	Upper
42	100		
74	129.2	103.4	155.0
44	6.2	5.0	7.4

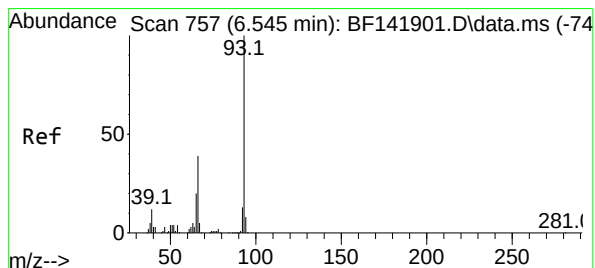
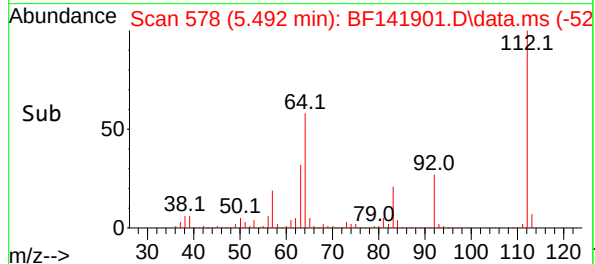
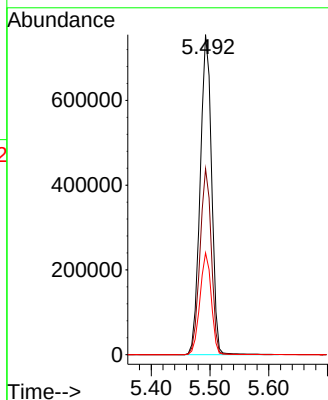
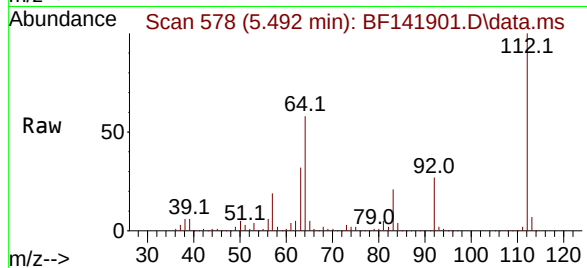




#5
2-Fluorophenol
Concen: 76.628 ng
RT: 5.492 min Scan# 51
Delta R.T. 0.000 min
Lab File: BF141901.D
Acq: 10 Mar 2025 12:58

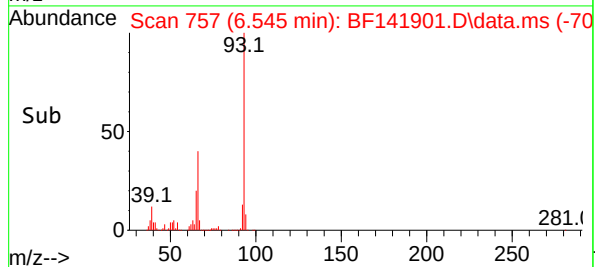
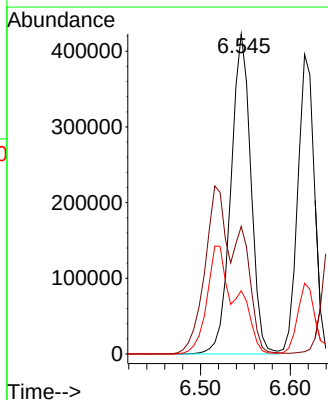
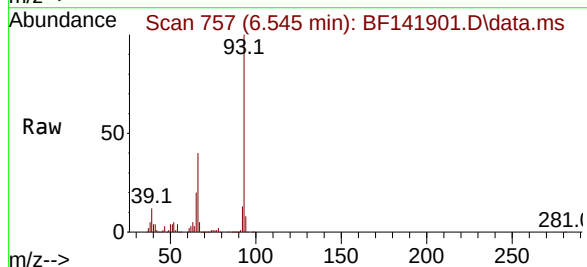
Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

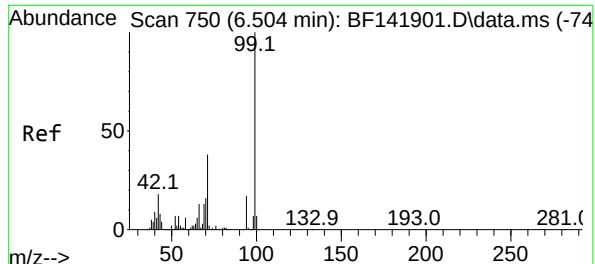
Tgt Ion:112 Resp: 1023722
Ion Ratio Lower Upper
112 100
64 58.1 46.5 69.7
63 31.8 25.4 38.2



#6
Aniline
Concen: 38.879 ng
RT: 6.545 min Scan# 757
Delta R.T. 0.000 min
Lab File: BF141901.D
Acq: 10 Mar 2025 12:58

Tgt Ion: 93 Resp: 653060
Ion Ratio Lower Upper
93 100
66 39.9 31.9 47.9
65 19.7 15.8 23.6





#7

Phenol-d6

Concen: 75.580 ng

RT: 6.504 min Scan# 750

Delta R.T. 0.000 min

Lab File: BF141901.D

Acq: 10 Mar 2025 12:58

Instrument :

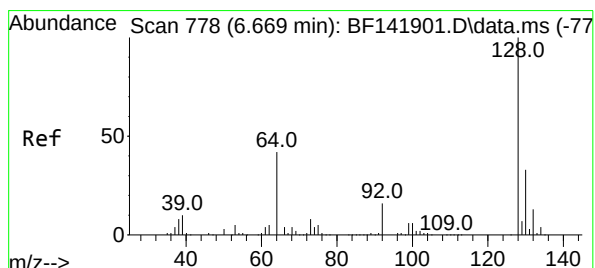
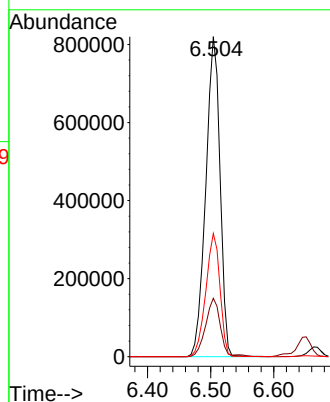
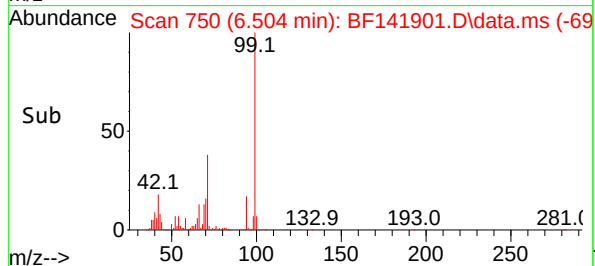
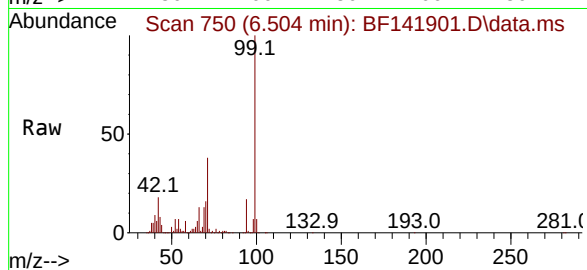
BNA_F

ClientSampleId :

SSTDICCC040

Tgt Ion: 99 Resp: 1285980

Ion	Ratio	Lower	Upper
99	100		
42	18.2	14.6	21.8
71	38.5	30.8	46.2



#8

2-Chlorophenol

Concen: 37.902 ng

RT: 6.669 min Scan# 778

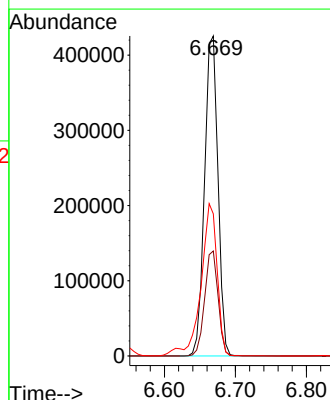
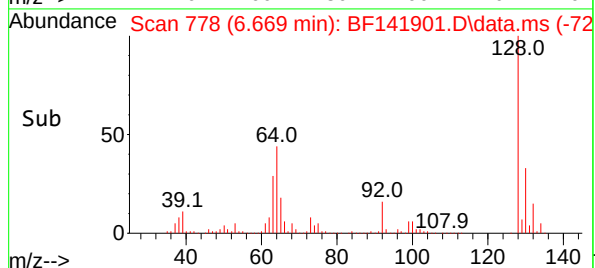
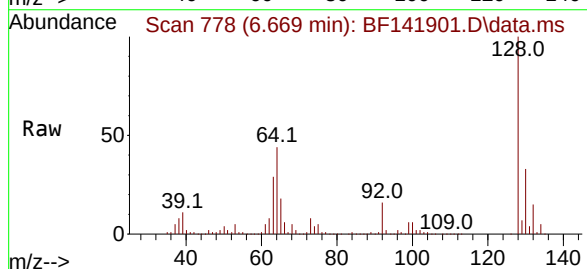
Delta R.T. 0.000 min

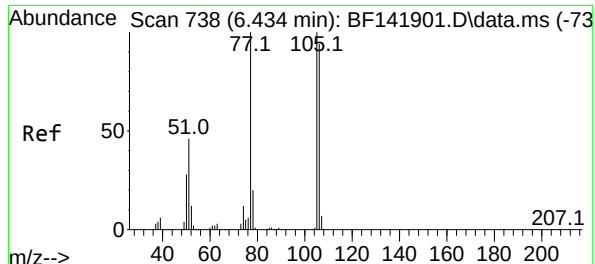
Lab File: BF141901.D

Acq: 10 Mar 2025 12:58

Tgt Ion: 128 Resp: 561230

Ion	Ratio	Lower	Upper
128	100		
130	32.8	12.8	52.8
64	44.4	24.4	64.4





#9

Benzaldehyde

Concen: 36.467 ng

RT: 6.434 min Scan# 738

Delta R.T. -0.000 min

Lab File: BF141901.D

Acq: 10 Mar 2025 12:58

Instrument :

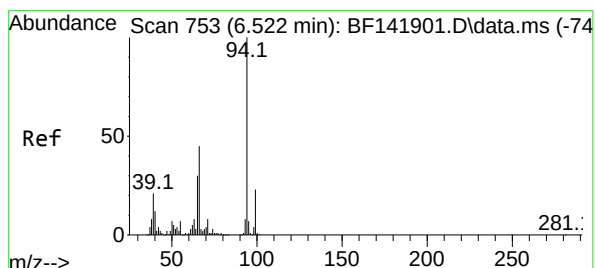
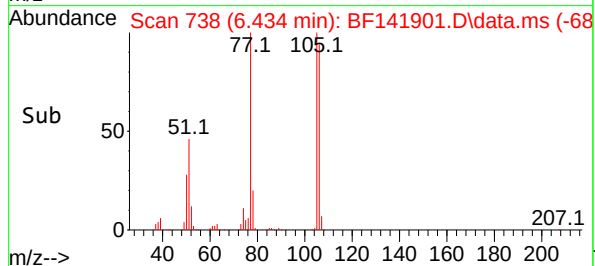
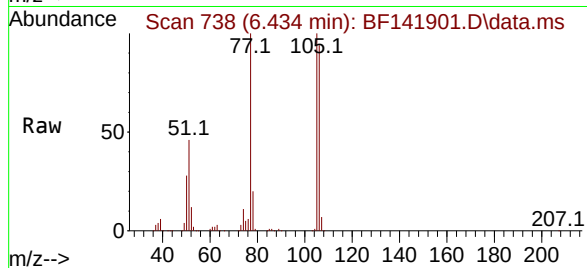
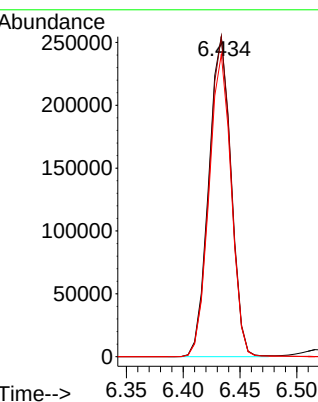
BNA_F

ClientSampleId :

SSTDICCC040

Tgt Ion: 77 Resp: 346818

Ion	Ratio	Lower	Upper
77	100		
105	100.0	80.0	120.0
106	94.5	74.5	114.5



#10

Phenol

Concen: 38.141 ng

RT: 6.522 min Scan# 753

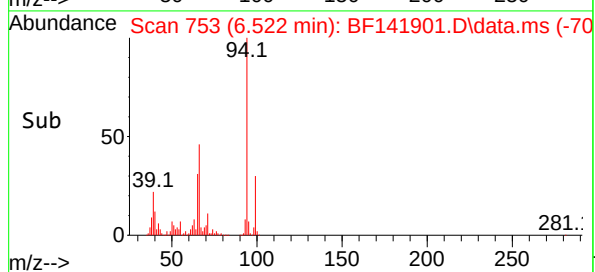
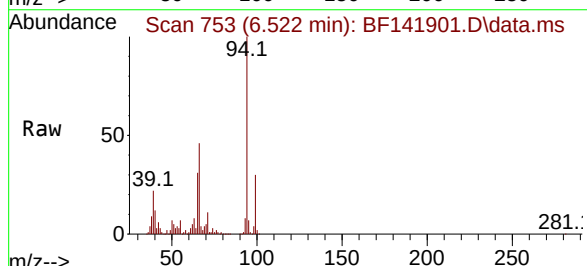
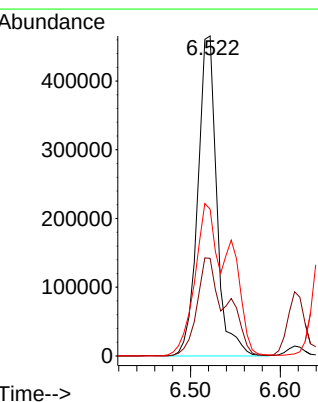
Delta R.T. 0.000 min

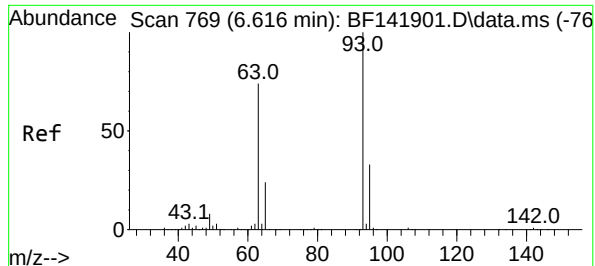
Lab File: BF141901.D

Acq: 10 Mar 2025 12:58

Tgt Ion: 94 Resp: 684724

Ion	Ratio	Lower	Upper
94	100		
65	30.5	10.5	50.5
66	45.8	25.8	65.8





#11

bis(2-Chloroethyl)ether

Concen: 37.932 ng

RT: 6.616 min Scan# 769

Delta R.T. 0.000 min

Lab File: BF141901.D

Acq: 10 Mar 2025 12:58

Instrument :

BNA_F

ClientSampleId :

SSTDICCC040

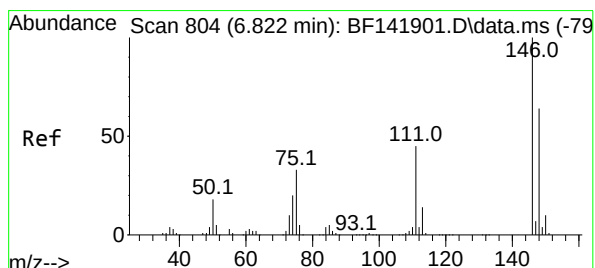
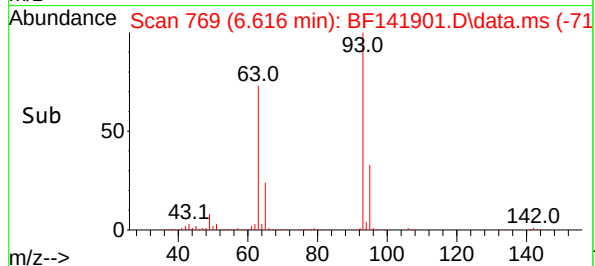
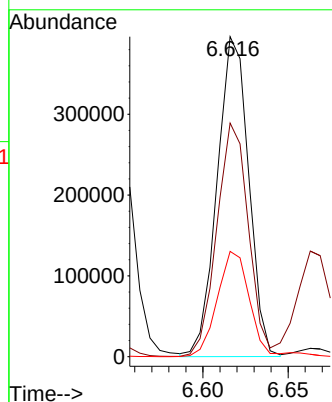
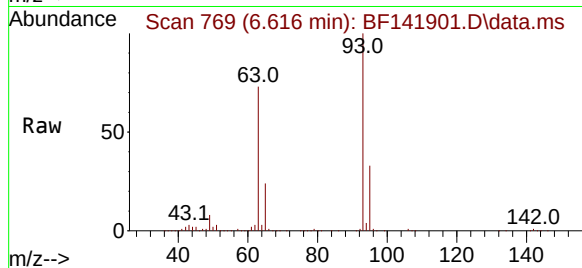
Tgt Ion: 93 Resp: 510214

Ion Ratio Lower Upper

93 100

63 73.0 53.0 93.0

95 32.9 12.9 52.9



#12

1,3-Dichlorobenzene

Concen: 38.242 ng

RT: 6.822 min Scan# 804

Delta R.T. 0.000 min

Lab File: BF141901.D

Acq: 10 Mar 2025 12:58

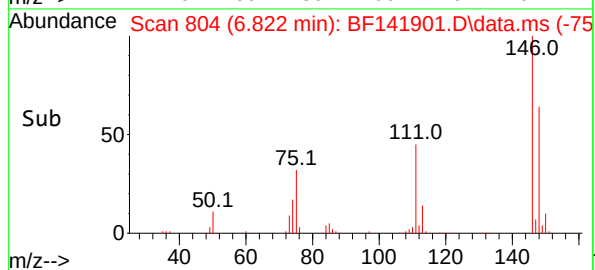
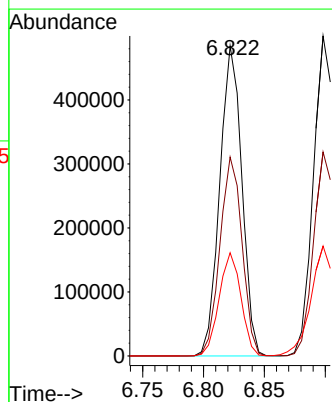
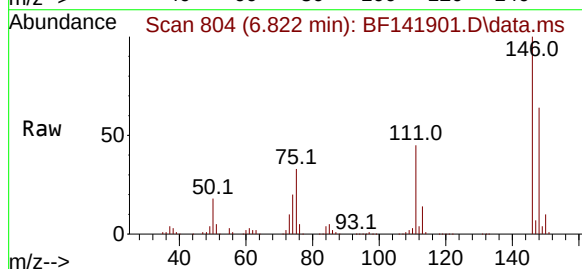
Tgt Ion: 146 Resp: 611938

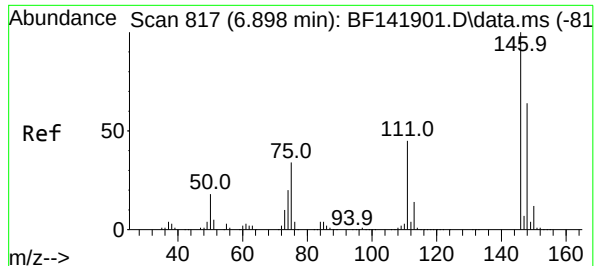
Ion Ratio Lower Upper

146 100

148 64.1 51.3 76.9

75 33.3 26.6 40.0





#13

1,4-Dichlorobenzene

Concen: 38.355 ng

RT: 6.898 min Scan# 817

Delta R.T. 0.000 min

Lab File: BF141901.D

Acq: 10 Mar 2025 12:58

Instrument :

BNA_F

ClientSampleId :

SSTDICCC040

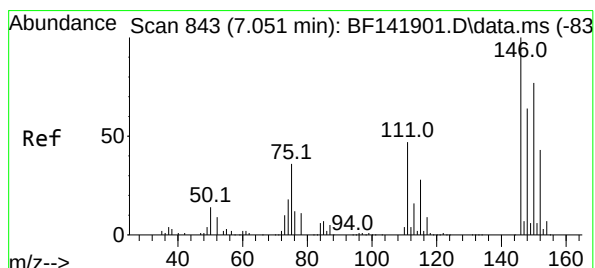
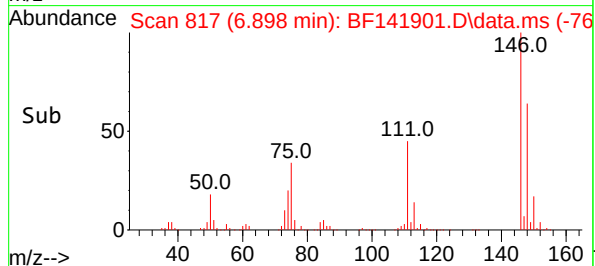
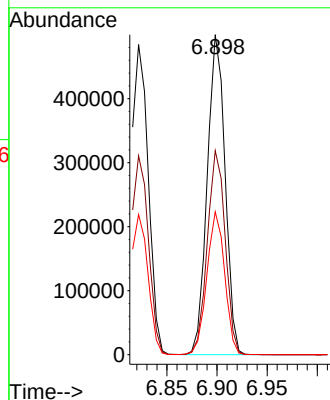
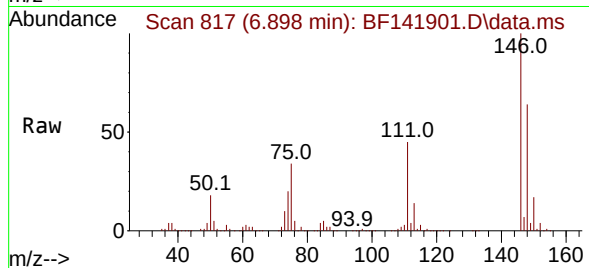
Tgt Ion:146 Resp: 620951

Ion Ratio Lower Upper

146 100

148 63.8 51.0 76.6

111 44.6 35.7 53.5



#14

1,2-Dichlorobenzene

Concen: 38.111 ng

RT: 7.051 min Scan# 843

Delta R.T. 0.000 min

Lab File: BF141901.D

Acq: 10 Mar 2025 12:58

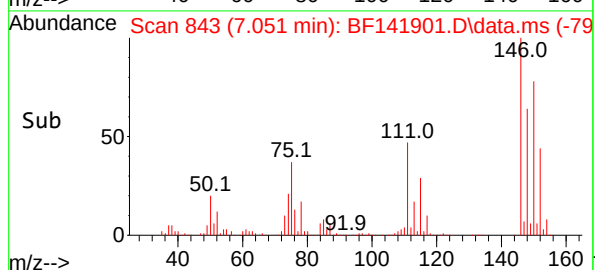
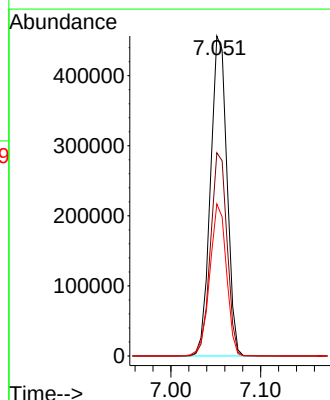
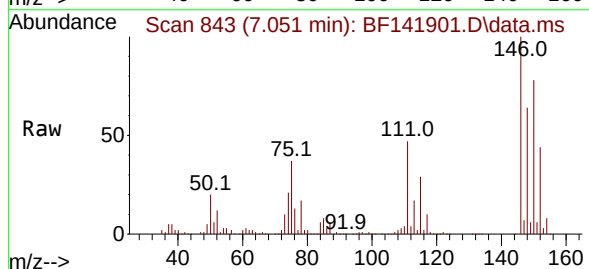
Tgt Ion:146 Resp: 581043

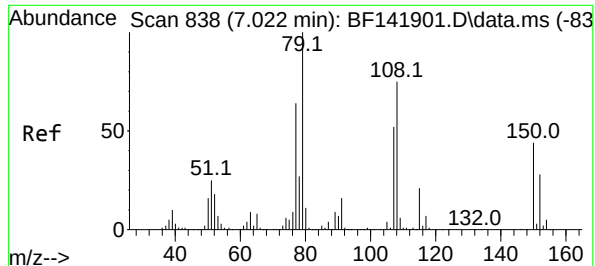
Ion Ratio Lower Upper

146 100

148 63.5 50.8 76.2

111 47.5 38.0 57.0





#15

Benzyl Alcohol

Concen: 38.371 ng

RT: 7.022 min Scan# 838

Delta R.T. 0.000 min

Lab File: BF141901.D

Acq: 10 Mar 2025 12:58

Instrument :

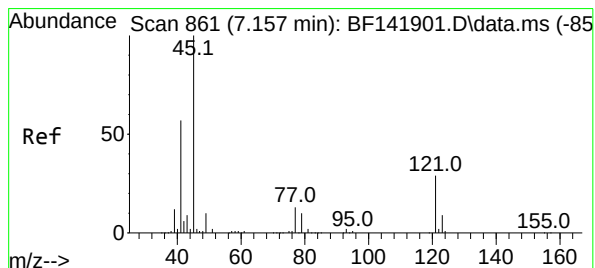
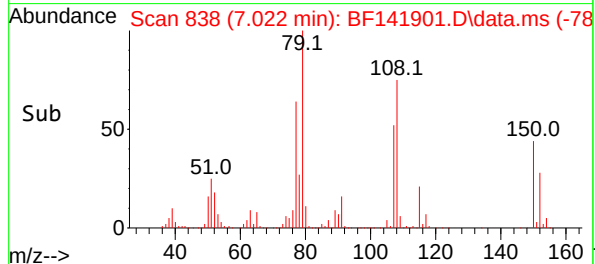
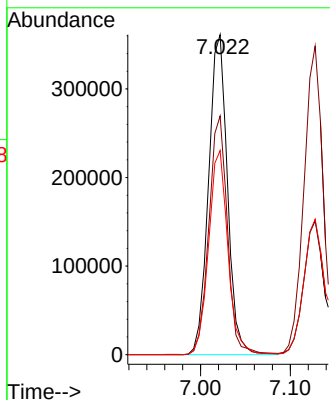
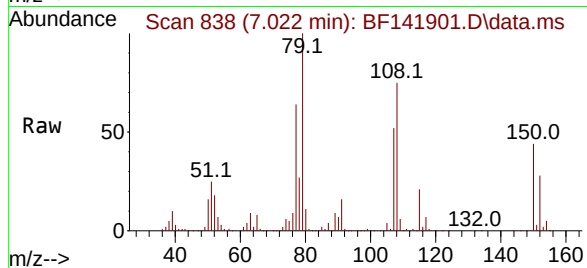
BNA_F

ClientSampleId :

SSTDICCC040

Tgt Ion: 79 Resp: 528444

Ion	Ratio	Lower	Upper
79	100		
108	74.6	59.7	89.5
77	63.8	51.0	76.6



#16

2,2'-oxybis(1-Chloropropane)

Concen: 37.476 ng

RT: 7.157 min Scan# 861

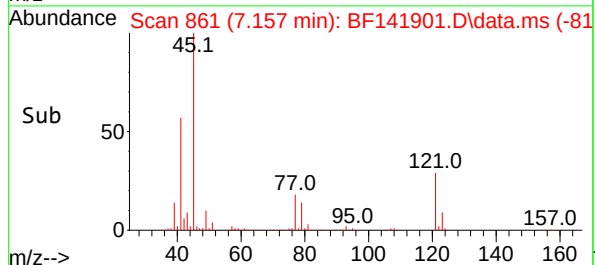
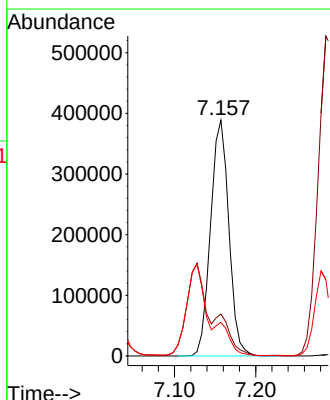
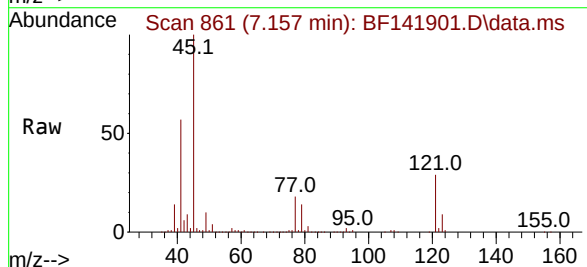
Delta R.T. 0.000 min

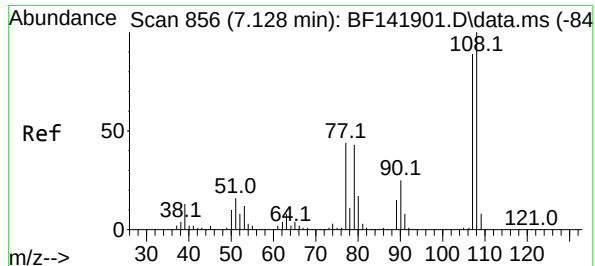
Lab File: BF141901.D

Acq: 10 Mar 2025 12:58

Tgt Ion: 45 Resp: 607522

Ion	Ratio	Lower	Upper
45	100		
77	17.8	0.0	37.8
79	14.2	0.0	34.2





#17

2-Methylphenol

Concen: 38.190 ng

RT: 7.128 min Scan# 856

Delta R.T. 0.000 min

Lab File: BF141901.D

Acq: 10 Mar 2025 12:58

Instrument :

BNA_F

ClientSampleId :

SSTDICCC040

Tgt Ion:107 Resp: 449433

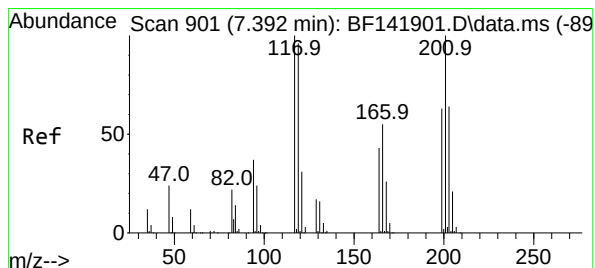
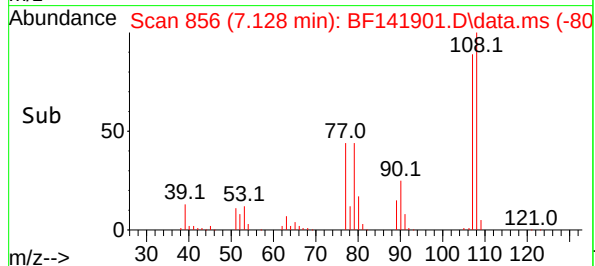
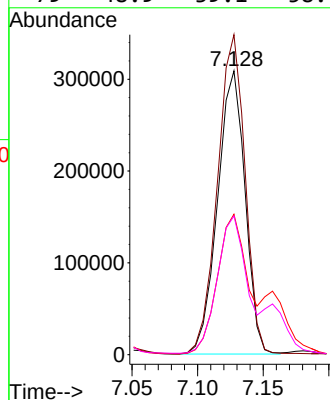
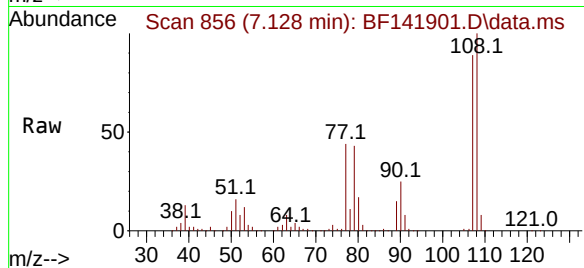
Ion Ratio Lower Upper

107 100

108 112.7 90.2 135.2

77 49.5 39.6 59.4

79 48.9 39.1 58.7



#18

Hexachloroethane

Concen: 37.993 ng

RT: 7.392 min Scan# 901

Delta R.T. 0.000 min

Lab File: BF141901.D

Acq: 10 Mar 2025 12:58

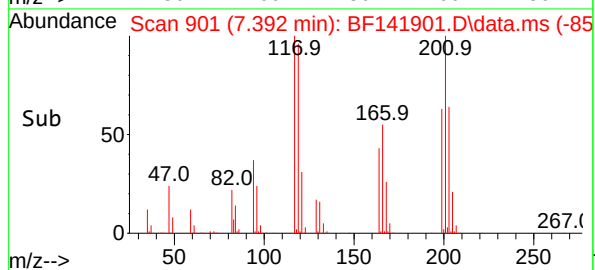
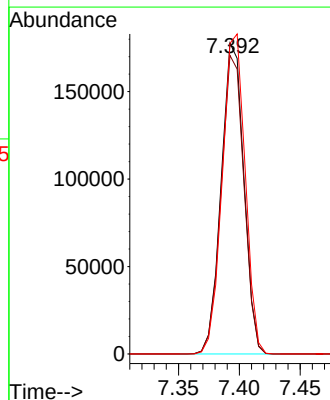
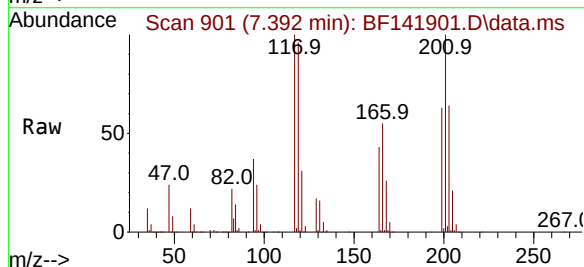
Tgt Ion:117 Resp: 230613

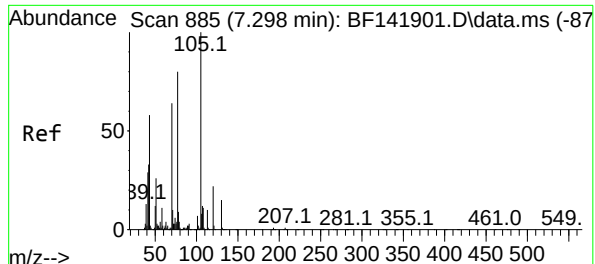
Ion Ratio Lower Upper

117 100

119 96.1 76.9 115.3

201 99.9 79.9 119.9





#19

n-Nitroso-di-n-propylamine

Concen: 37.223 ng

RT: 7.298 min Scan# 885

Delta R.T. 0.000 min

Lab File: BF141901.D

Acq: 10 Mar 2025 12:58

Instrument :

BNA_F

ClientSampleId :

SSTDICCC040

Tgt Ion: 70 Resp: 407069

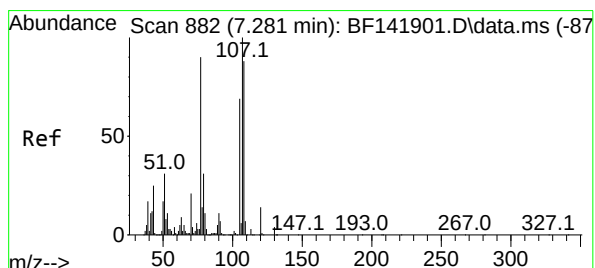
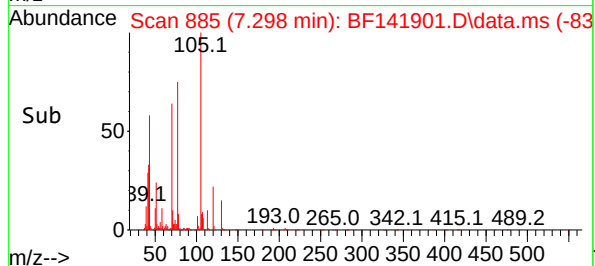
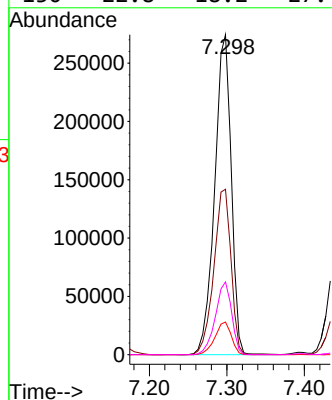
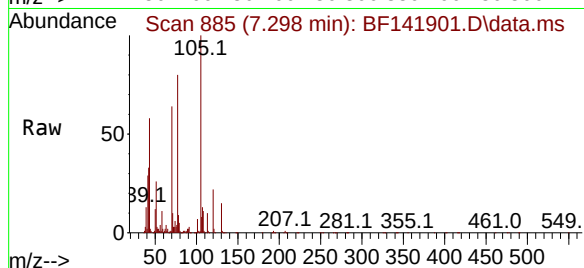
Ion Ratio Lower Upper

70 100

42 51.7 41.4 62.0

101 10.2 8.2 12.2

130 22.8 18.2 27.4



#20

3+4-Methylphenols

Concen: 38.219 ng

RT: 7.281 min Scan# 882

Delta R.T. 0.000 min

Lab File: BF141901.D

Acq: 10 Mar 2025 12:58

Tgt Ion:107 Resp: 576902

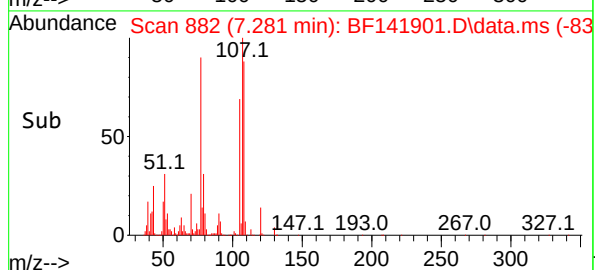
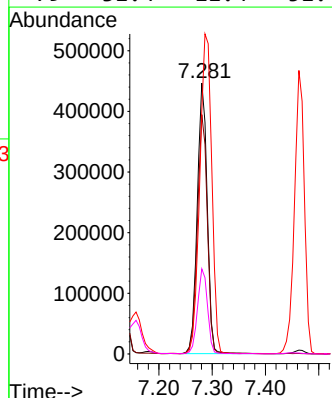
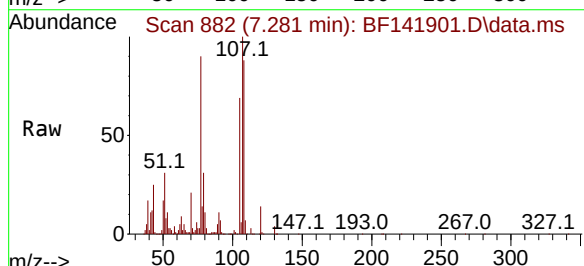
Ion Ratio Lower Upper

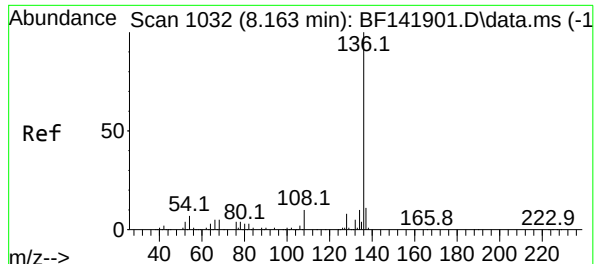
107 100

108 88.4 68.4 108.4

77 89.7 69.7 109.7

79 31.4 11.4 51.4

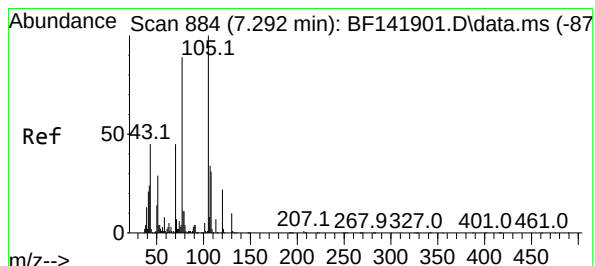
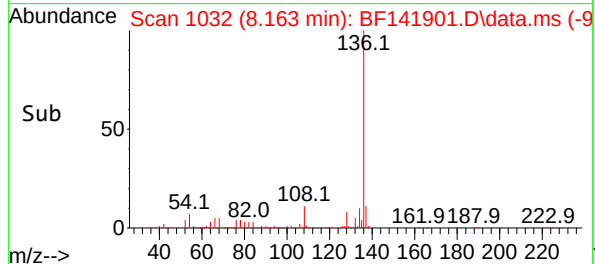
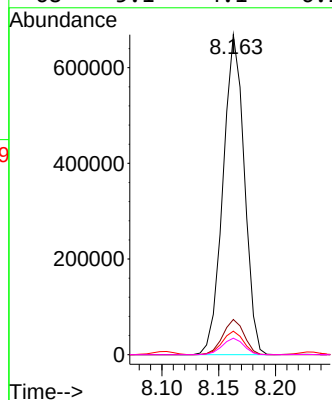
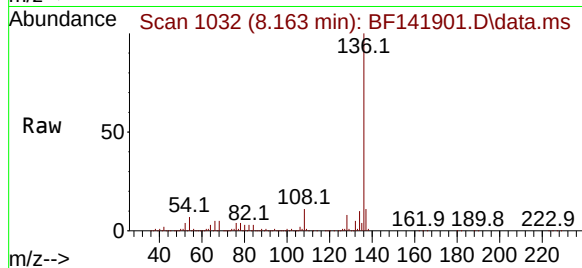




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.163 min Scan# 1032
Delta R.T. -0.000 min
Lab File: BF141901.D
Acq: 10 Mar 2025 12:58

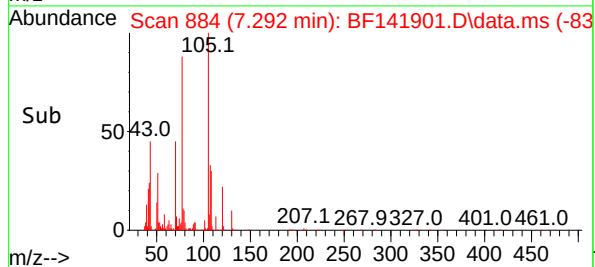
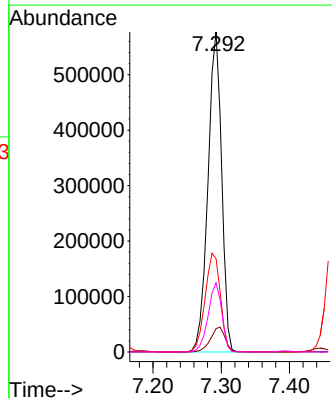
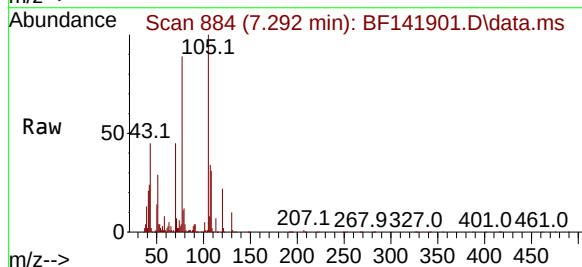
Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

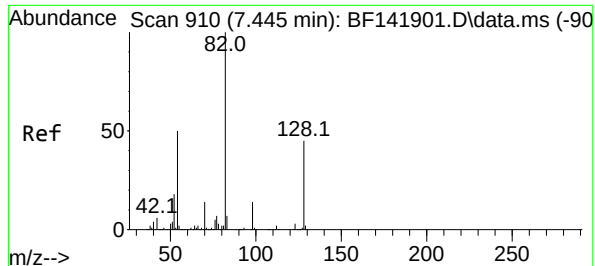
Tgt Ion:	136	Resp:	874166
Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.8	13.2
54	7.3	5.8	8.8
68	5.1	4.1	6.1



#22
Acetophenone
Concen: 38.376 ng
RT: 7.292 min Scan# 884
Delta R.T. 0.000 min
Lab File: BF141901.D
Acq: 10 Mar 2025 12:58

Tgt Ion:	105	Resp:	804747
Ion	Ratio	Lower	Upper
105	100		
71	7.3	5.8	8.8
51	29.2	23.4	35.0
120	21.6	17.3	25.9





#23

Nitrobenzene-d5

Concen: 77.983 ng

RT: 7.445 min Scan# 910

Delta R.T. 0.000 min

Lab File: BF141901.D

Acq: 10 Mar 2025 12:58

Instrument :

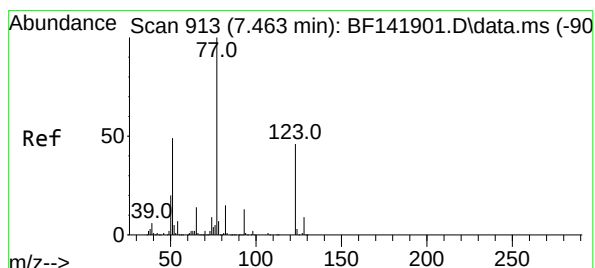
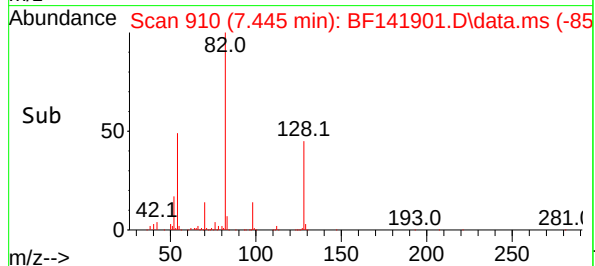
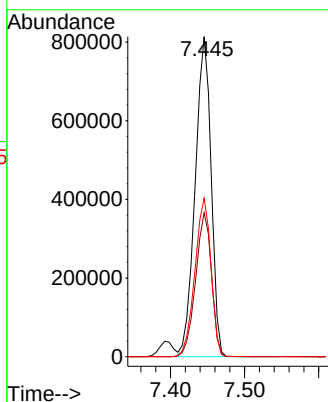
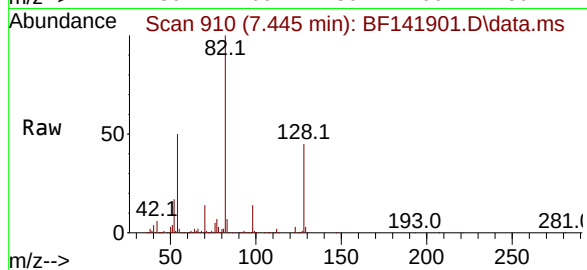
BNA_F

ClientSampleId :

SSTDICCC040

Tgt Ion: 82 Resp: 1216280

Ion	Ratio	Lower	Upper
82	100		
128	45.0	36.0	54.0
54	49.5	39.6	59.4



#24

Nitrobenzene

Concen: 39.106 ng

RT: 7.463 min Scan# 913

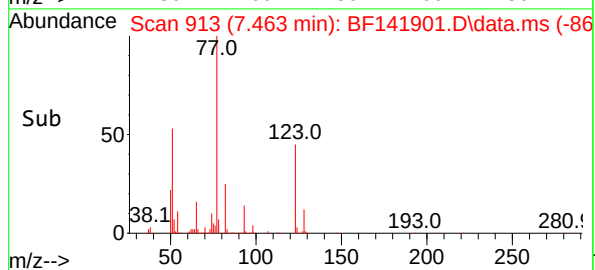
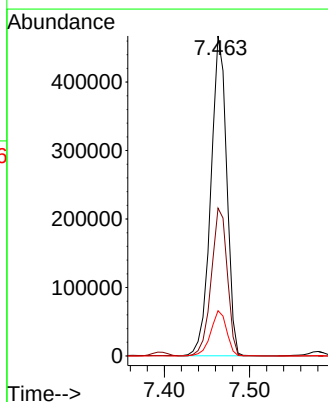
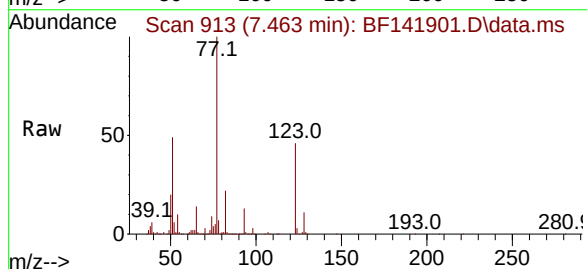
Delta R.T. 0.000 min

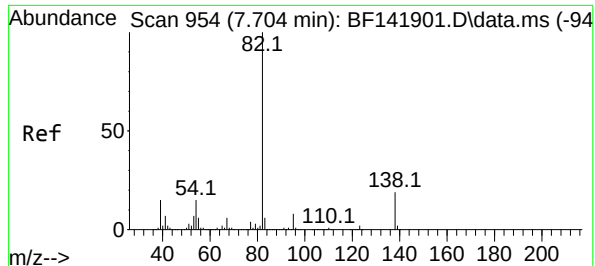
Lab File: BF141901.D

Acq: 10 Mar 2025 12:58

Tgt Ion: 77 Resp: 604738

Ion	Ratio	Lower	Upper
77	100		
123	46.2	37.0	55.4
65	14.1	11.3	16.9





#25

Isophorone

Concen: 38.097 ng

RT: 7.704 min Scan# 91

Delta R.T. 0.000 min

Lab File: BF141901.D

Acq: 10 Mar 2025 12:58

Instrument :

BNA_F

ClientSampleId :

SSTDICCC040

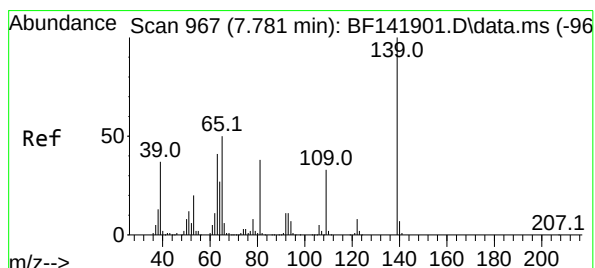
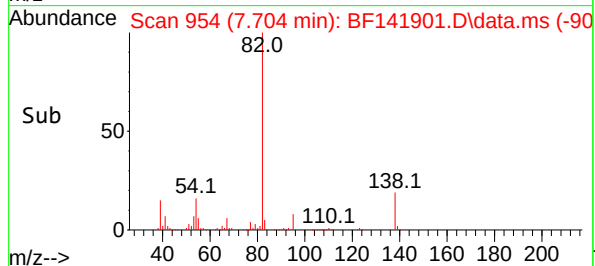
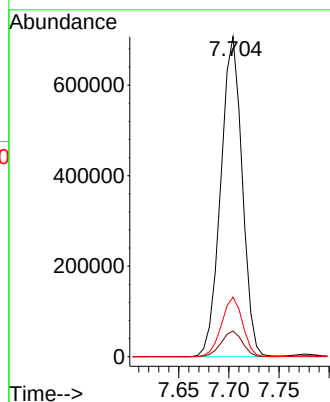
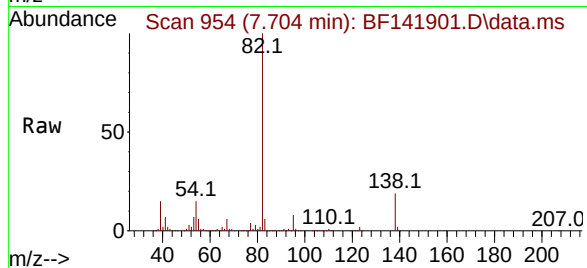
Tgt Ion: 82 Resp: 1049049

Ion Ratio Lower Upper

82 100

95 8.0 6.4 9.6

138 18.6 14.9 22.3



#26

2-Nitrophenol

Concen: 40.295 ng

RT: 7.781 min Scan# 967

Delta R.T. 0.000 min

Lab File: BF141901.D

Acq: 10 Mar 2025 12:58

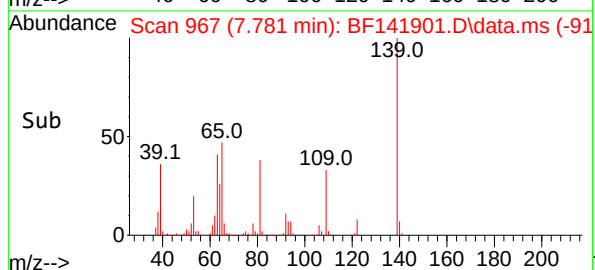
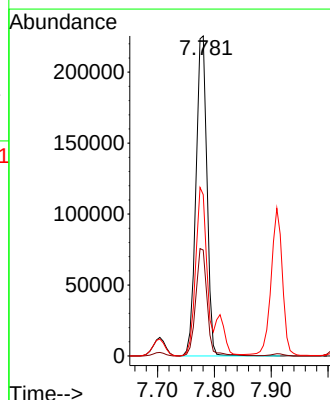
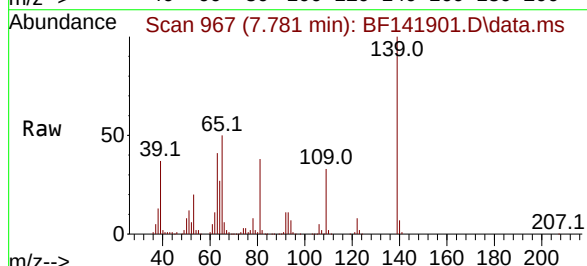
Tgt Ion:139 Resp: 305349

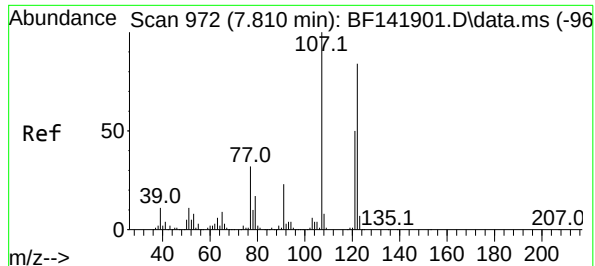
Ion Ratio Lower Upper

139 100

109 33.1 26.5 39.7

65 50.4 40.3 60.5





#27

2,4-Dimethylphenol

Concen: 38.671 ng

RT: 7.810 min Scan# 91

Delta R.T. 0.000 min

Lab File: BF141901.D

Acq: 10 Mar 2025 12:58

Instrument :

BNA_F

ClientSampleId :

SSTDICCC040

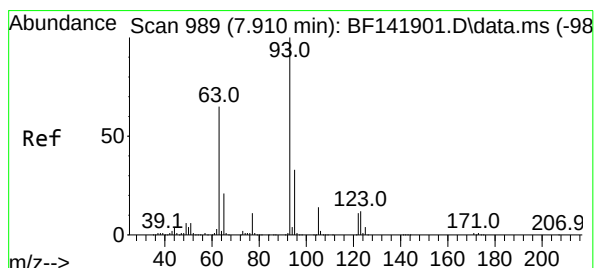
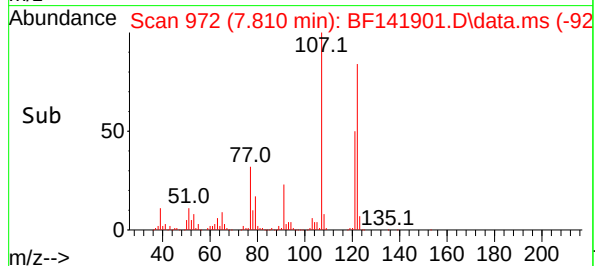
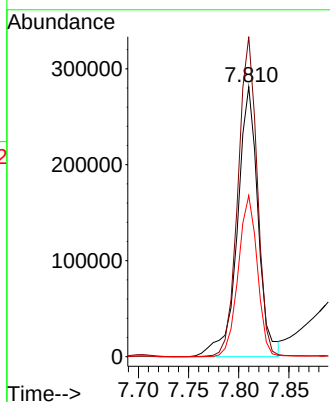
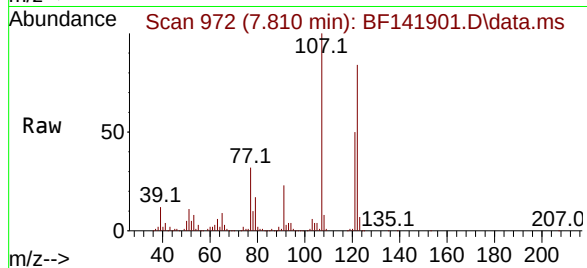
Tgt Ion:122 Resp: 403621

Ion Ratio Lower Upper

122 100

107 118.5 94.8 142.2

121 59.7 47.8 71.6



#28

bis(2-Chloroethoxy)methane

Concen: 37.702 ng

RT: 7.910 min Scan# 989

Delta R.T. 0.000 min

Lab File: BF141901.D

Acq: 10 Mar 2025 12:58

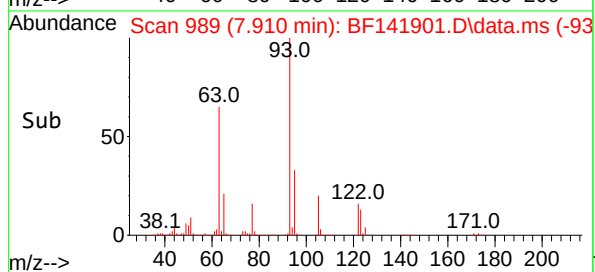
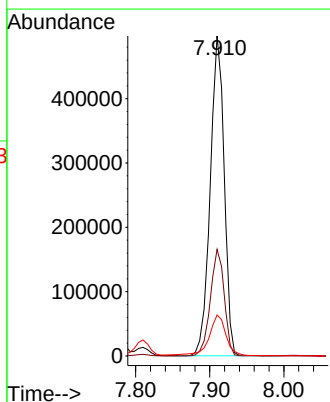
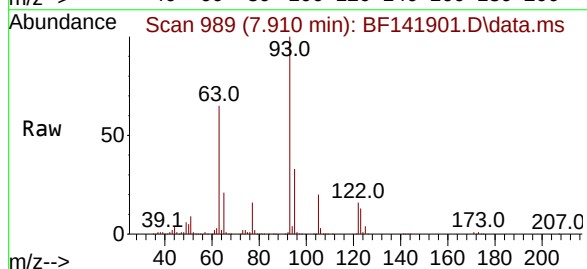
Tgt Ion: 93 Resp: 650344

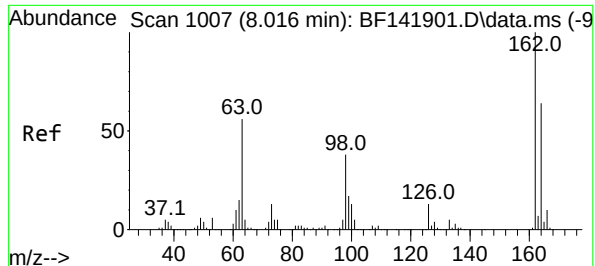
Ion Ratio Lower Upper

93 100

95 33.3 26.6 40.0

123 12.8 10.2 15.4





#29

2,4-Dichlorophenol

Concen: 38.619 ng

RT: 8.016 min Scan# 1007

Delta R.T. 0.000 min

Lab File: BF141901.D

Acq: 10 Mar 2025 12:58

Instrument :

BNA_F

ClientSampleId :

SSTDICCC040

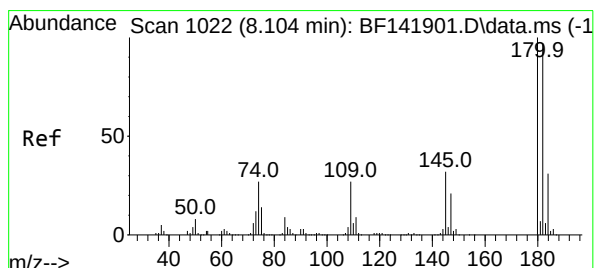
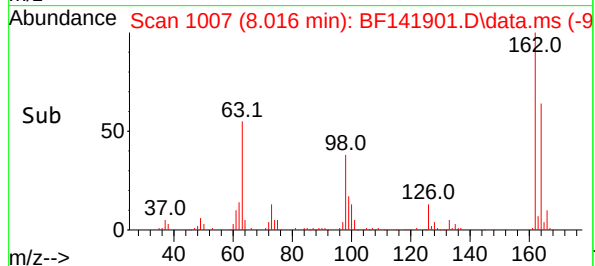
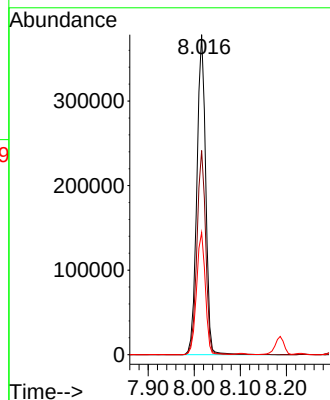
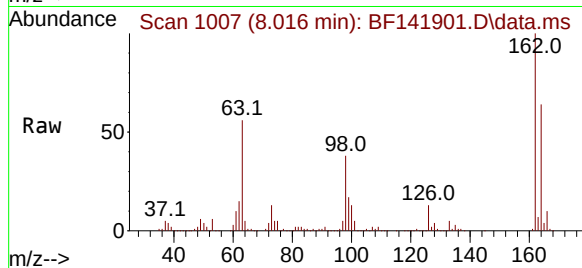
Tgt Ion:162 Resp: 500239

Ion Ratio Lower Upper

162 100

164 63.8 43.8 83.8

98 38.1 18.1 58.1



#30

1,2,4-Trichlorobenzene

Concen: 37.870 ng

RT: 8.104 min Scan# 1022

Delta R.T. 0.000 min

Lab File: BF141901.D

Acq: 10 Mar 2025 12:58

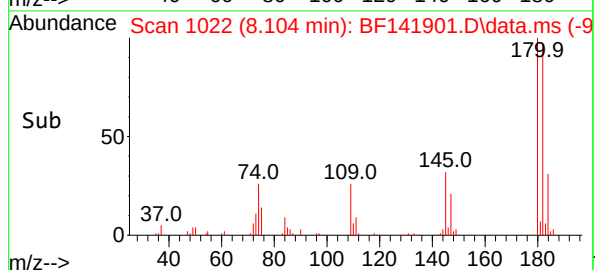
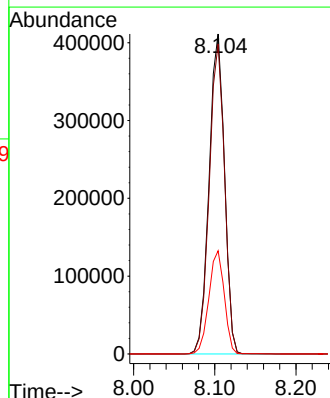
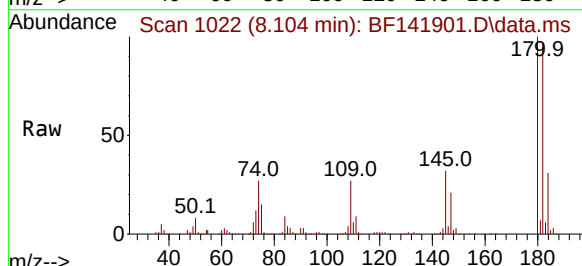
Tgt Ion:180 Resp: 541182

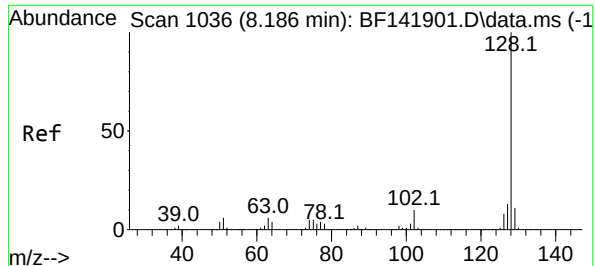
Ion Ratio Lower Upper

180 100

182 96.9 77.5 116.3

145 32.2 25.8 38.6

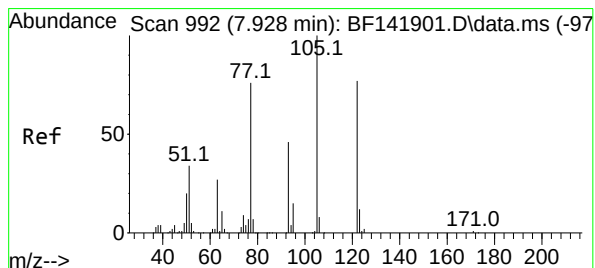
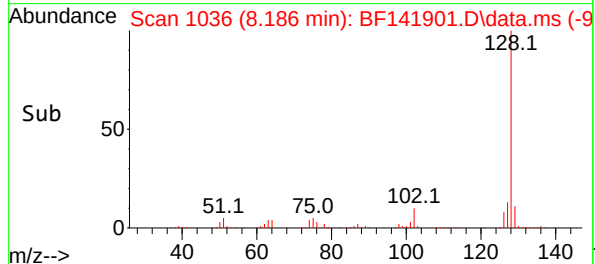
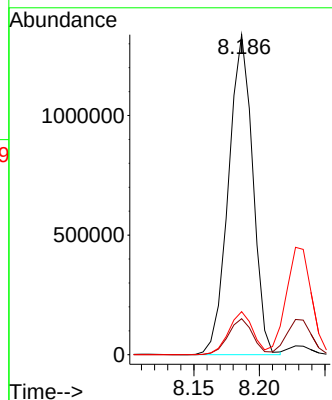
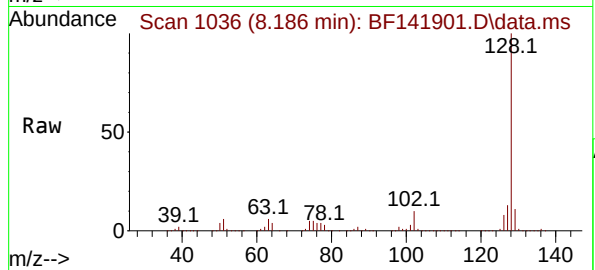




#31
Naphthalene
Concen: 38.400 ng
RT: 8.186 min Scan# 1036
Delta R.T. 0.000 min
Lab File: BF141901.D
Acq: 10 Mar 2025 12:58

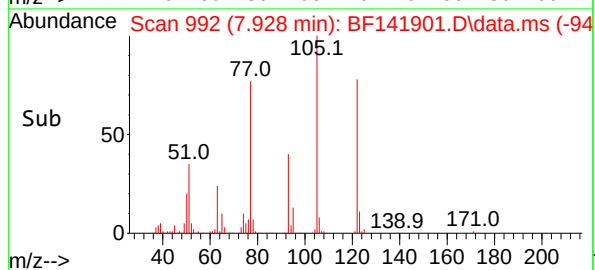
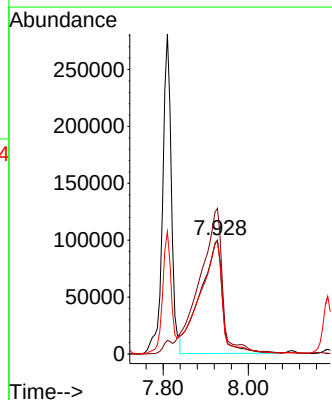
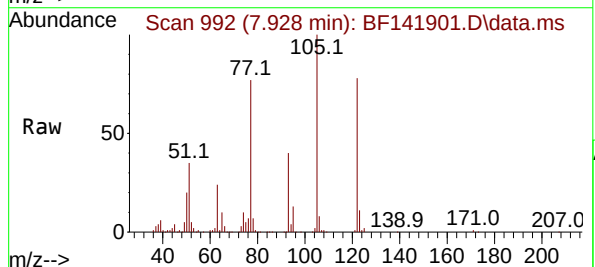
Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

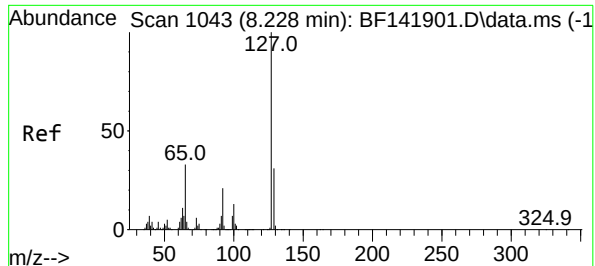
Tgt Ion:128 Resp: 1719643
Ion Ratio Lower Upper
128 100
129 11.3 9.0 13.6
127 13.5 10.8 16.2



#32
Benzoic acid
Concen: 39.827 ng
RT: 7.928 min Scan# 992
Delta R.T. -0.000 min
Lab File: BF141901.D
Acq: 10 Mar 2025 12:58

Tgt Ion:122 Resp: 363328
Ion Ratio Lower Upper
122 100
105 127.9 107.9 147.9
77 99.0 79.0 119.0

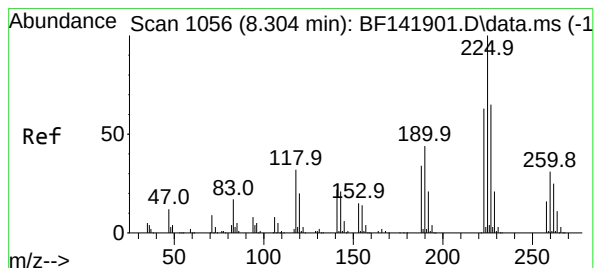
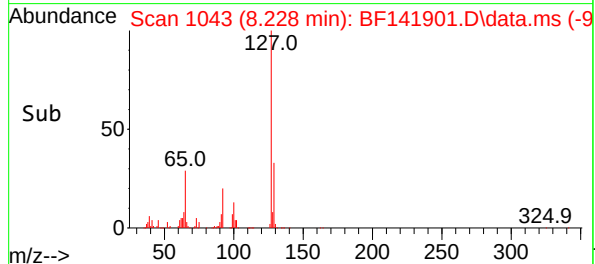
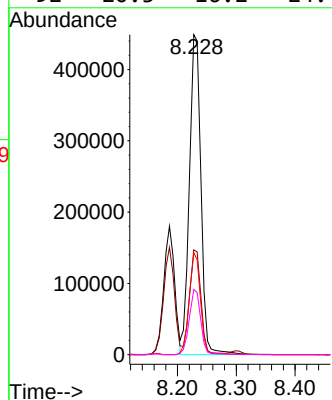
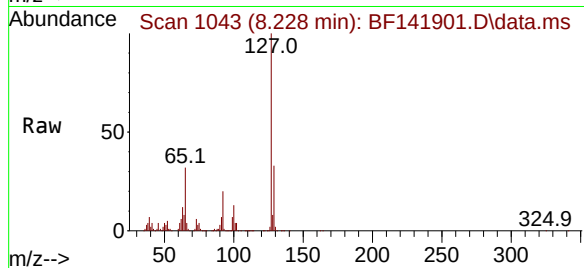




#33
4-Chloroaniline
Concen: 38.824 ng
RT: 8.228 min Scan# 1043
Delta R.T. 0.000 min
Lab File: BF141901.D
Acq: 10 Mar 2025 12:58

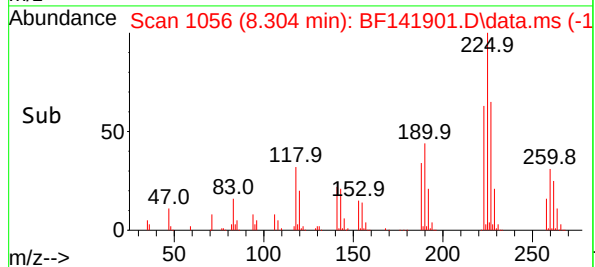
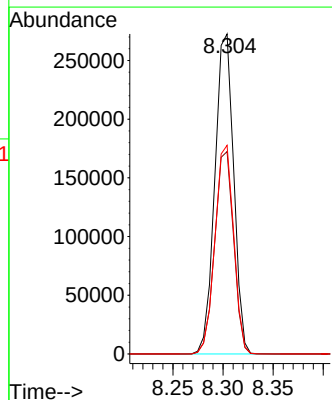
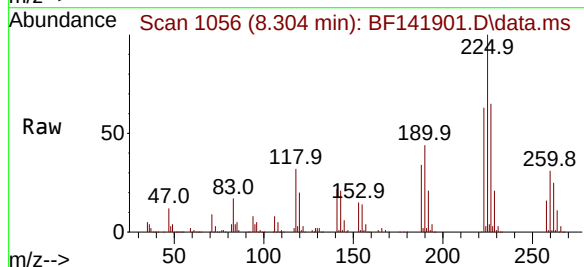
Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

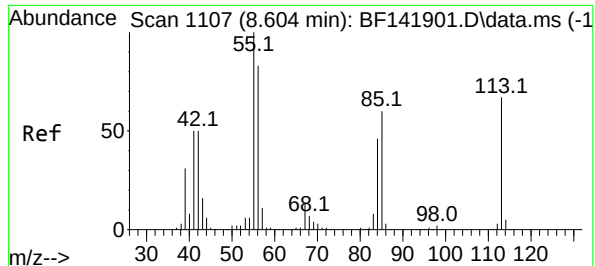
Tgt Ion	Ratio	Lower	Upper
127	100		
129	32.8	26.2	39.4
65	31.8	25.4	38.2
92	20.3	16.2	24.4



#34
Hexachlorobutadiene
Concen: 38.285 ng
RT: 8.304 min Scan# 1056
Delta R.T. 0.000 min
Lab File: BF141901.D
Acq: 10 Mar 2025 12:58

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.2	50.6	75.8
227	65.2	52.2	78.2





#35

Caprolactam

Concen: 37.335 ng

RT: 8.604 min Scan# 1107

Delta R.T. 0.000 min

Lab File: BF141901.D

Acq: 10 Mar 2025 12:58

Instrument :

BNA_F

ClientSampleId :

SSTDICCC040

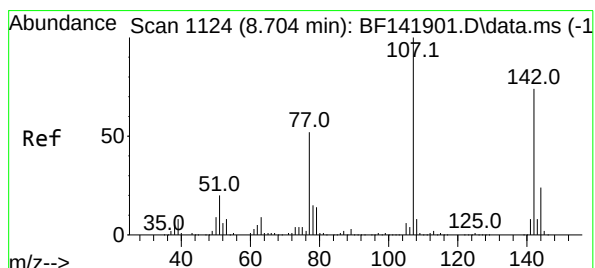
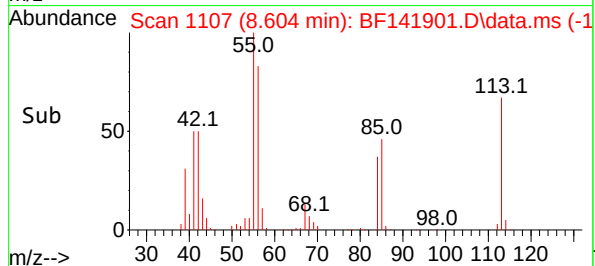
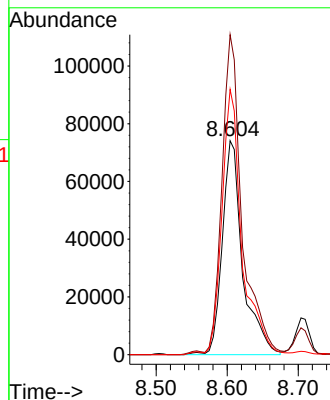
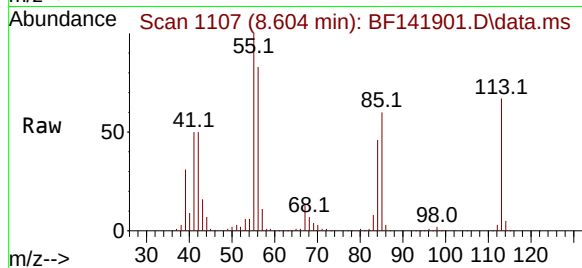
Tgt Ion:113 Resp: 147056

Ion Ratio Lower Upper

113 100

55 149.6 129.6 169.6

56 124.0 104.0 144.0



#36

4-Chloro-3-methylphenol

Concen: 38.549 ng

RT: 8.704 min Scan# 1124

Delta R.T. 0.000 min

Lab File: BF141901.D

Acq: 10 Mar 2025 12:58

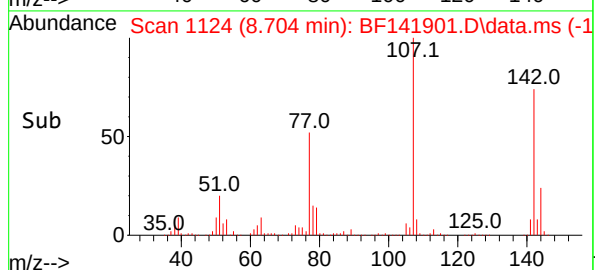
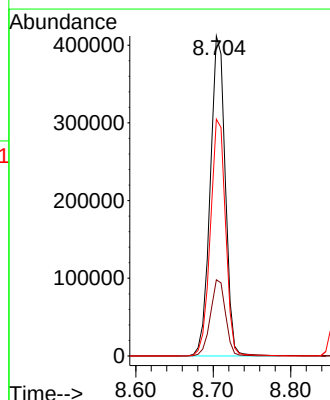
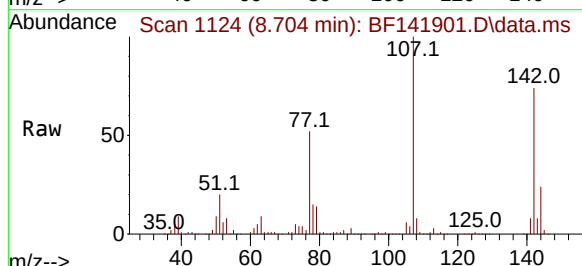
Tgt Ion:107 Resp: 555328

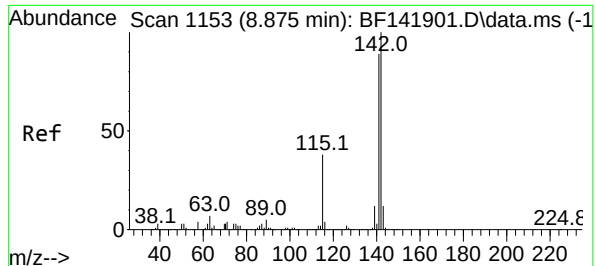
Ion Ratio Lower Upper

107 100

144 23.8 19.0 28.6

142 74.0 59.2 88.8

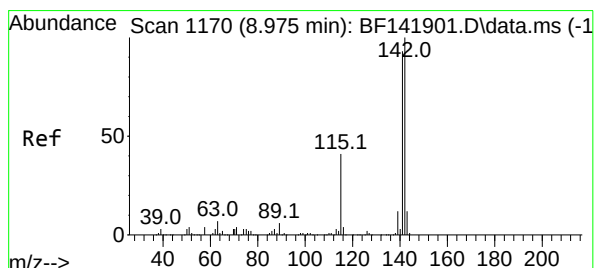
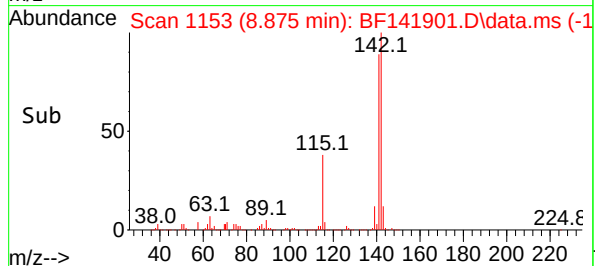
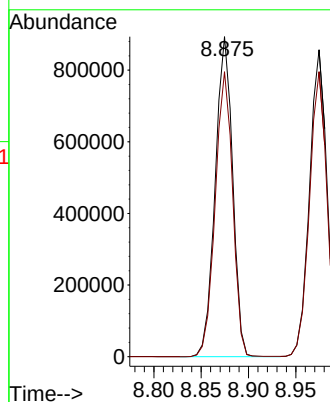
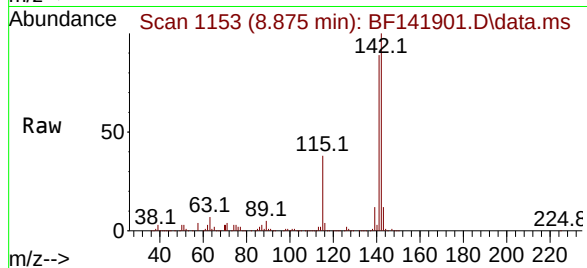




#37
2-Methylnaphthalene
Concen: 37.983 ng
RT: 8.875 min Scan# 1153
Delta R.T. 0.000 min
Lab File: BF141901.D
Acq: 10 Mar 2025 12:58

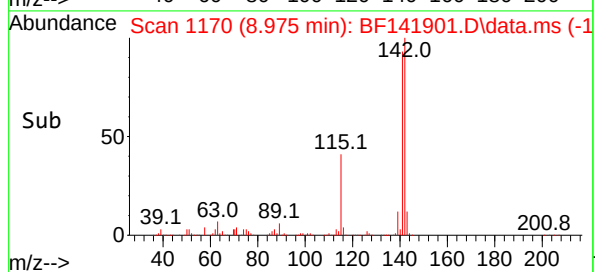
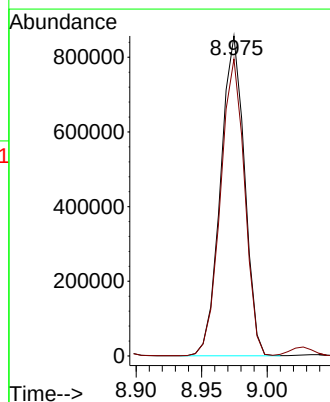
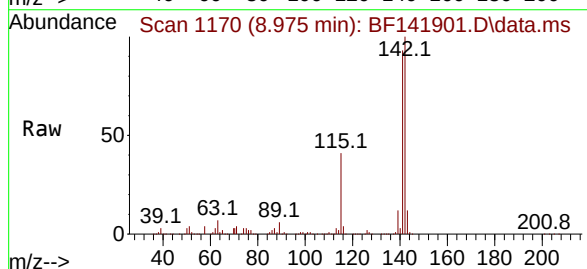
Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

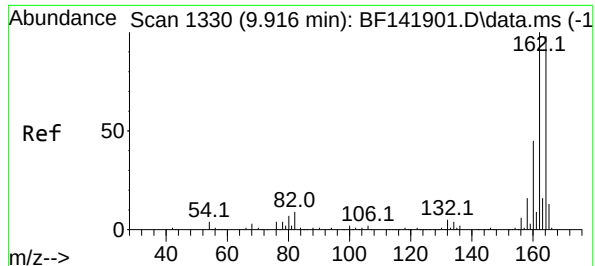
Tgt Ion:142 Resp: 1141228
Ion Ratio Lower Upper
142 100
141 89.0 71.2 106.8



#38
1-Methylnaphthalene
Concen: 37.447 ng
RT: 8.975 min Scan# 1170
Delta R.T. 0.000 min
Lab File: BF141901.D
Acq: 10 Mar 2025 12:58

Tgt Ion:142 Resp: 1089576
Ion Ratio Lower Upper
142 100
141 92.8 74.2 111.4





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.916 min Scan# 1181

Delta R.T. -0.000 min

Lab File: BF141901.D

Acq: 10 Mar 2025 12:58

Instrument :

BNA_F

ClientSampleId :

SSTDICCC040

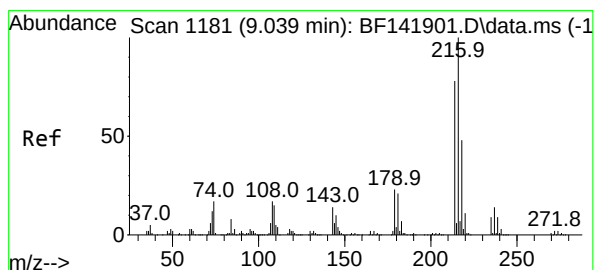
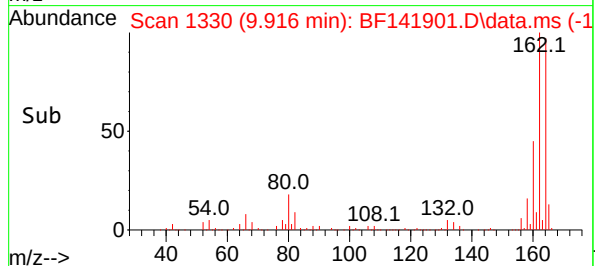
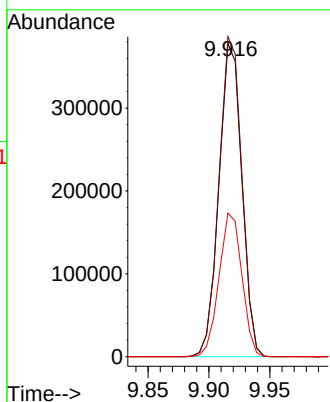
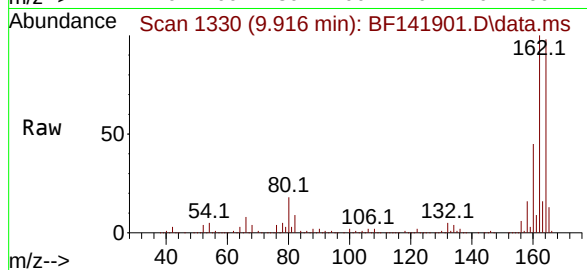
Tgt Ion:164 Resp: 493744

Ion Ratio Lower Upper

164 100

162 102.2 81.8 122.6

160 45.9 36.7 55.1



#40

1,2,4,5-Tetrachlorobenzene

Concen: 38.814 ng

RT: 9.039 min Scan# 1181

Delta R.T. 0.000 min

Lab File: BF141901.D

Acq: 10 Mar 2025 12:58

Tgt Ion:216 Resp: 584322

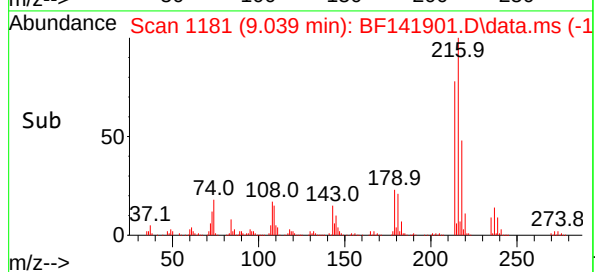
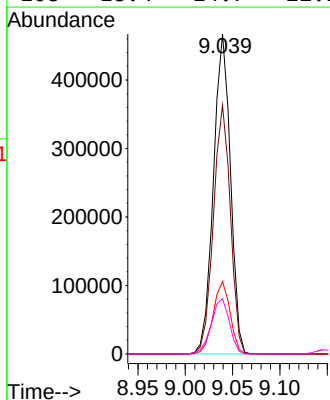
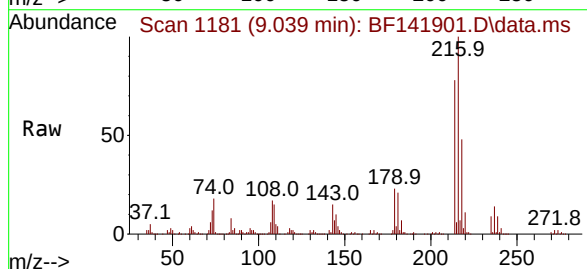
Ion Ratio Lower Upper

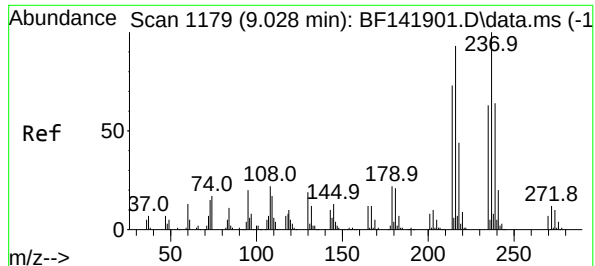
216 100

214 77.4 61.9 92.9

179 22.6 18.1 27.1

108 18.4 14.7 22.1

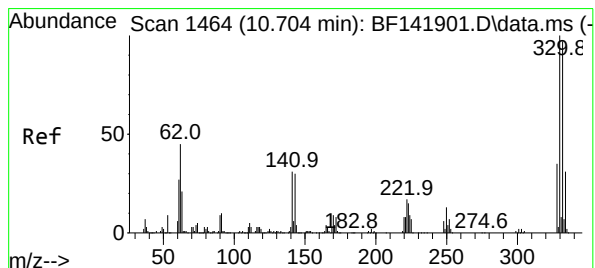
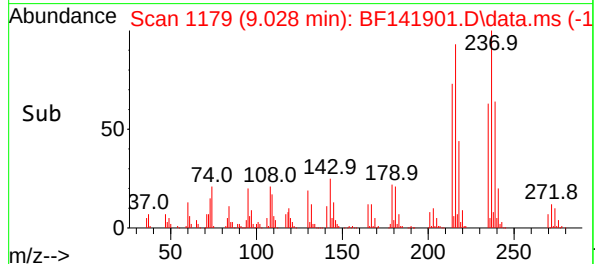
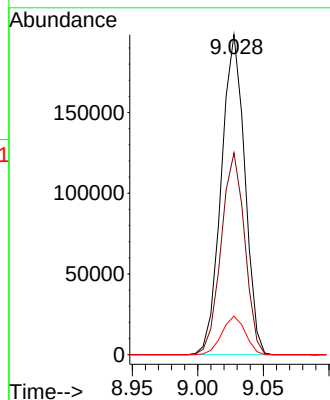
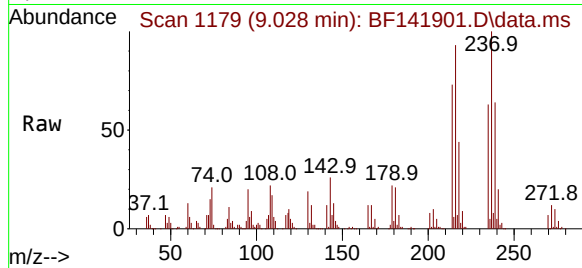




#41
Hexachlorocyclopentadiene
Concen: 41.523 ng
RT: 9.028 min Scan# 1179
Delta R.T. 0.000 min
Lab File: BF141901.D
Acq: 10 Mar 2025 12:58

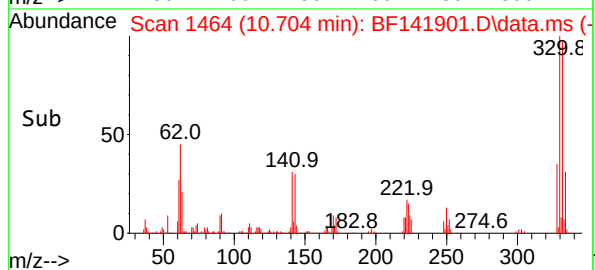
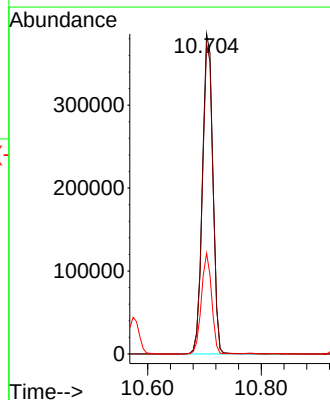
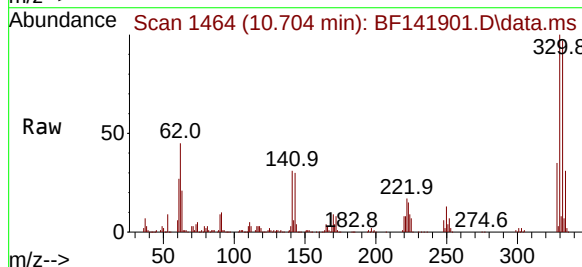
Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

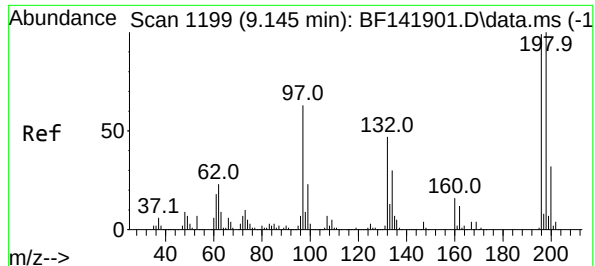
Tgt Ion	Ratio	Lower	Upper
237	100		
235	63.1	43.1	83.1
272	12.0	0.0	32.0



#42
2,4,6-Tribromophenol
Concen: 78.949 ng
RT: 10.704 min Scan# 1464
Delta R.T. 0.000 min
Lab File: BF141901.D
Acq: 10 Mar 2025 12:58

Tgt Ion	Ratio	Lower	Upper
330	100		
332	97.0	77.6	116.4
141	30.9	24.7	37.1





#43

2,4,6-Trichlorophenol

Concen: 40.014 ng

RT: 9.145 min Scan# 1199

Delta R.T. 0.000 min

Lab File: BF141901.D

Acq: 10 Mar 2025 12:58

Instrument :

BNA_F

ClientSampleId :

SSTDICCC040

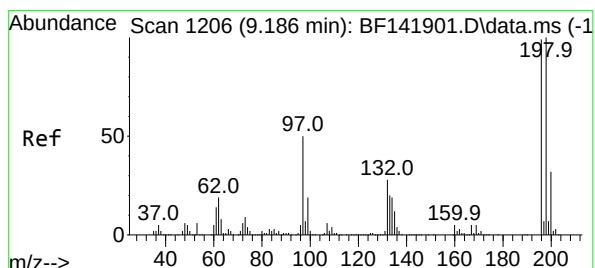
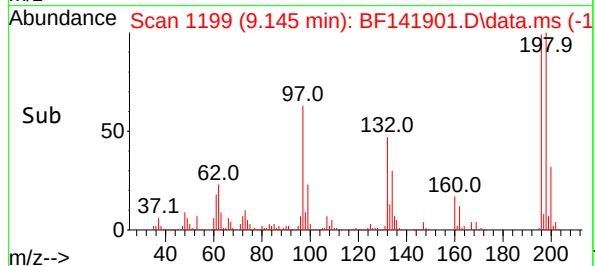
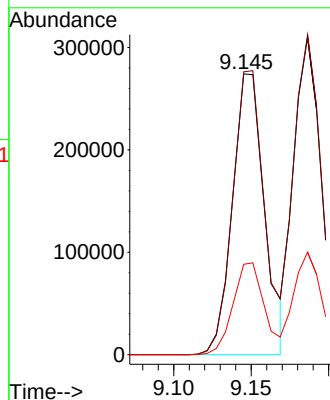
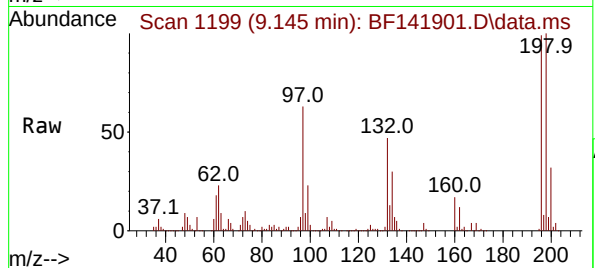
Tgt Ion:196 Resp: 392696

Ion Ratio Lower Upper

196 100

198 100.8 80.6 121.0

200 32.2 25.8 38.6



#44

2,4,5-Trichlorophenol

Concen: 38.566 ng

RT: 9.186 min Scan# 1206

Delta R.T. 0.000 min

Lab File: BF141901.D

Acq: 10 Mar 2025 12:58

Tgt Ion:196 Resp: 384539

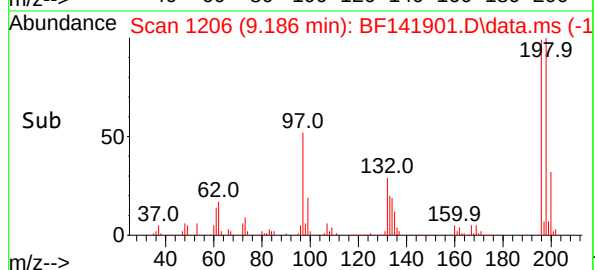
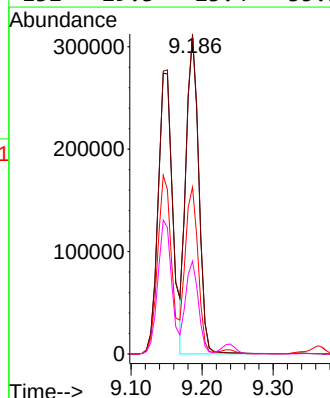
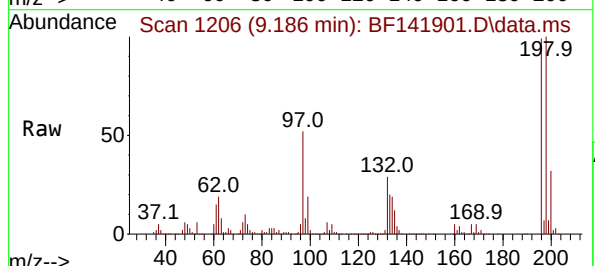
Ion Ratio Lower Upper

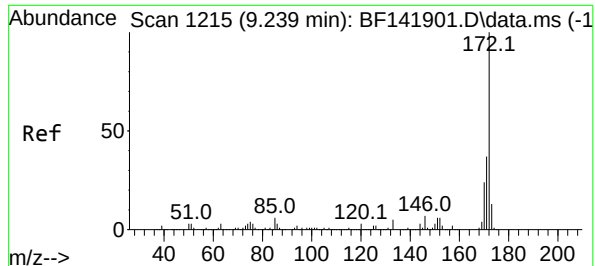
196 100

198 100.9 80.7 121.1

97 52.6 42.1 63.1

132 29.3 23.4 35.2





#45

2-Fluorobiphenyl

Concen: 76.357 ng

RT: 9.239 min Scan# 1215

Delta R.T. 0.000 min

Lab File: BF141901.D

Acq: 10 Mar 2025 12:58

Instrument :

BNA_F

ClientSampleId :

SSTDICCC040

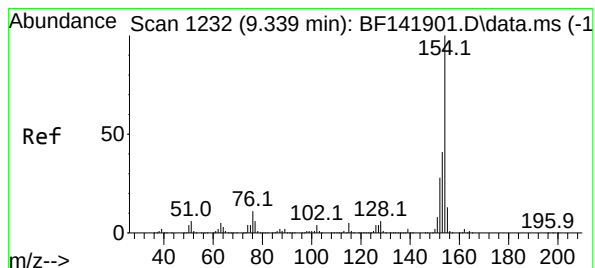
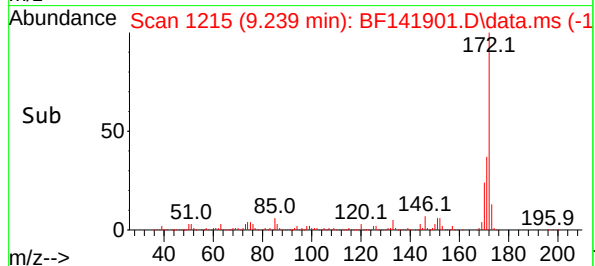
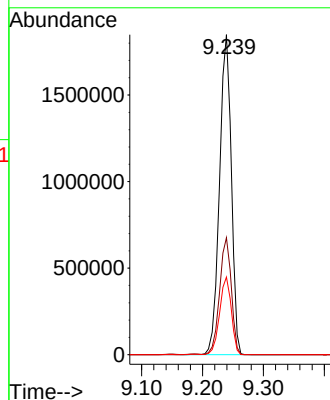
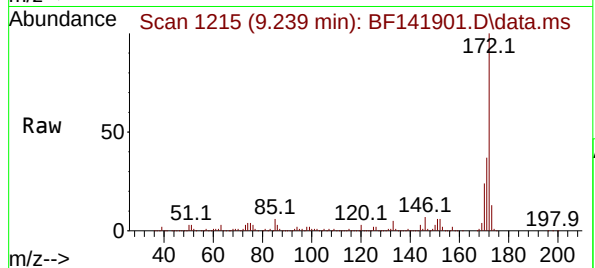
Tgt Ion:172 Resp: 2475837

Ion Ratio Lower Upper

172 100

171 36.6 29.3 43.9

170 24.2 19.4 29.0



#46

1,1'-Biphenyl

Concen: 38.362 ng

RT: 9.339 min Scan# 1232

Delta R.T. 0.000 min

Lab File: BF141901.D

Acq: 10 Mar 2025 12:58

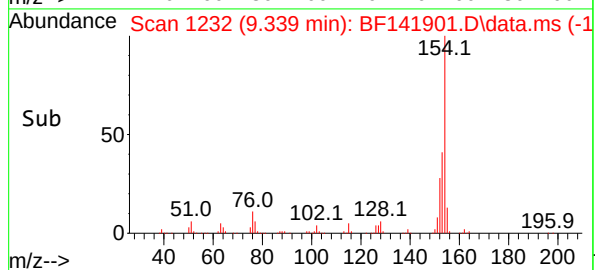
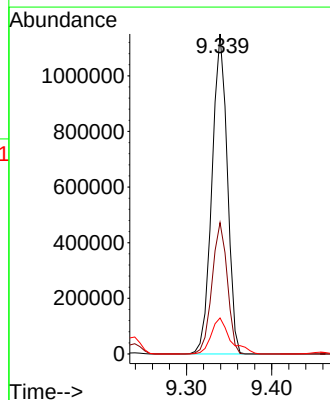
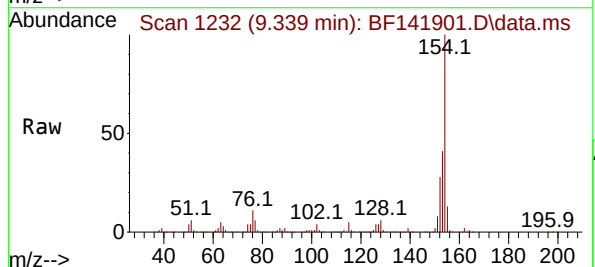
Tgt Ion:154 Resp: 1436040

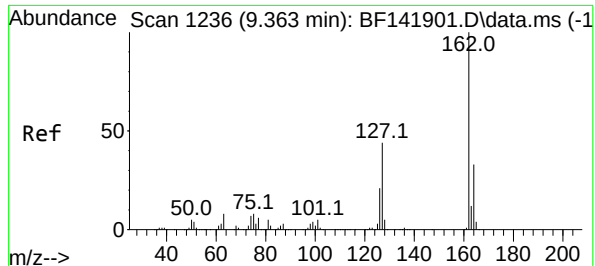
Ion Ratio Lower Upper

154 100

153 41.1 21.1 61.1

76 11.3 0.0 31.3





#47

2-Chloronaphthalene

Concen: 38.609 ng

RT: 9.363 min Scan# 1236

Delta R.T. 0.000 min

Lab File: BF141901.D

Acq: 10 Mar 2025 12:58

Instrument :

BNA_F

ClientSampleId :

SSTDICCC040

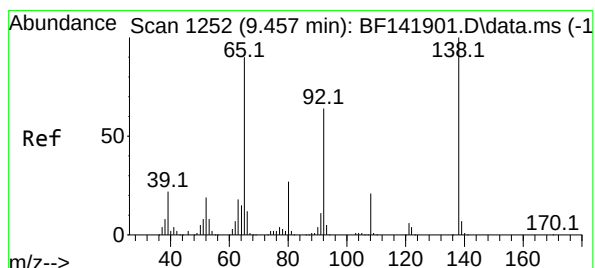
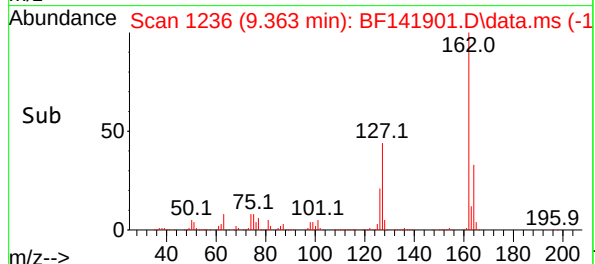
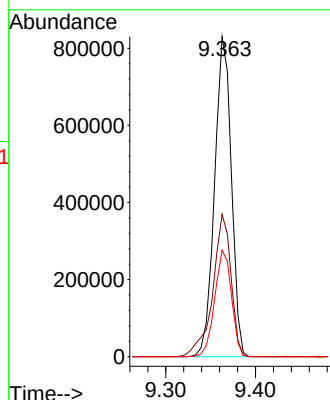
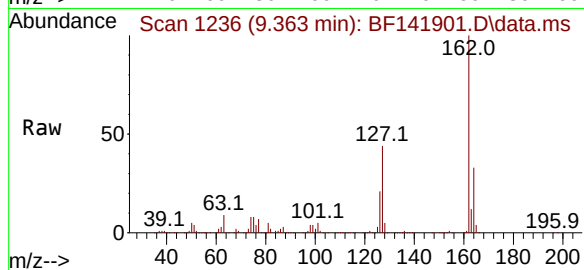
Tgt Ion:162 Resp: 1077099

Ion Ratio Lower Upper

162 100

127 44.4 35.5 53.3

164 33.3 26.6 40.0



#48

2-Nitroaniline

Concen: 39.690 ng

RT: 9.457 min Scan# 1252

Delta R.T. 0.000 min

Lab File: BF141901.D

Acq: 10 Mar 2025 12:58

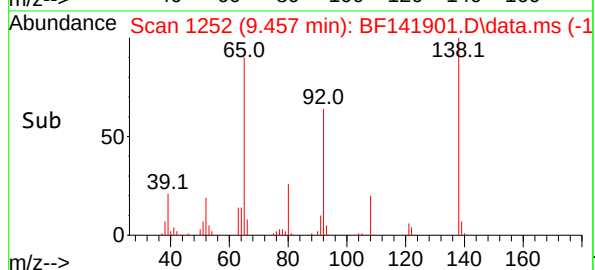
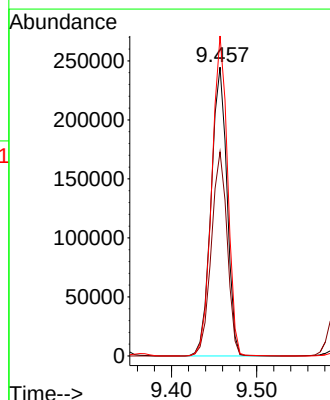
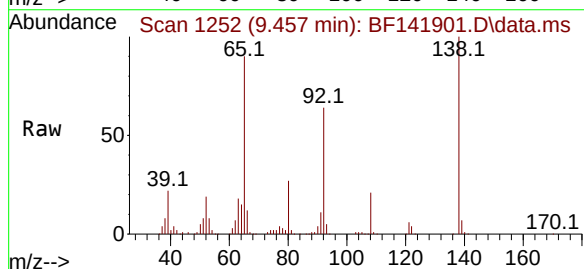
Tgt Ion: 65 Resp: 318068

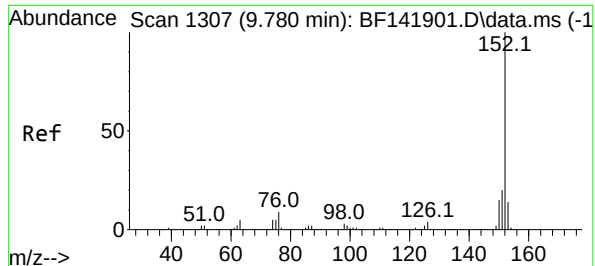
Ion Ratio Lower Upper

65 100

92 70.7 56.6 84.8

138 110.8 88.6 133.0





#49

Acenaphthylene

Concen: 39.029 ng

RT: 9.780 min Scan# 1

Delta R.T. 0.000 min

Lab File: BF141901.D

Acq: 10 Mar 2025 12:58

Instrument :

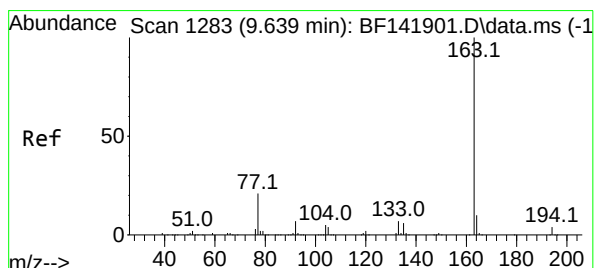
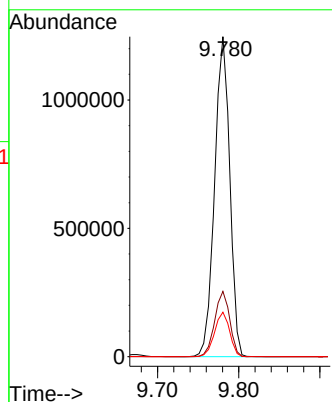
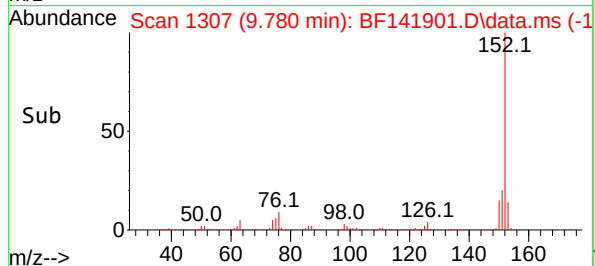
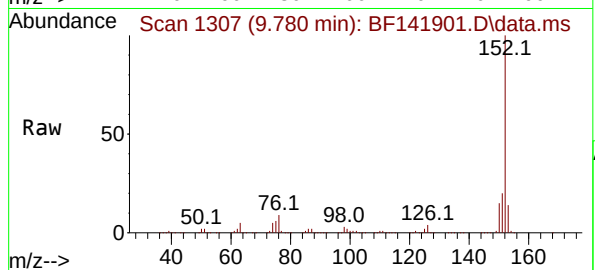
BNA_F

ClientSampleId :

SSTDICCC040

Tgt Ion:152 Resp: 1614250

Ion	Ratio	Lower	Upper
152	100		
151	20.4	16.3	24.5
153	13.9	11.1	16.7



#50

Dimethylphthalate

Concen: 38.270 ng

RT: 9.639 min Scan# 1283

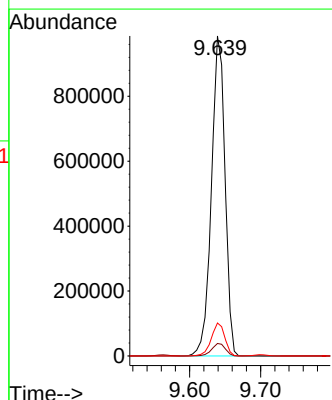
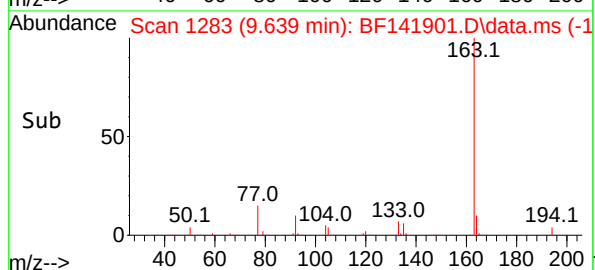
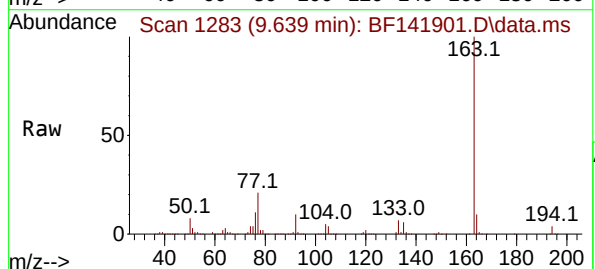
Delta R.T. 0.000 min

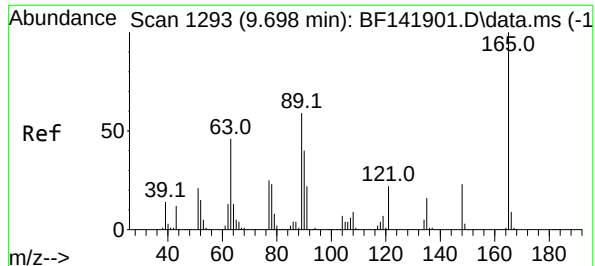
Lab File: BF141901.D

Acq: 10 Mar 2025 12:58

Tgt Ion:163 Resp: 1312856

Ion	Ratio	Lower	Upper
163	100		
194	3.9	3.1	4.7
164	10.3	8.2	12.4

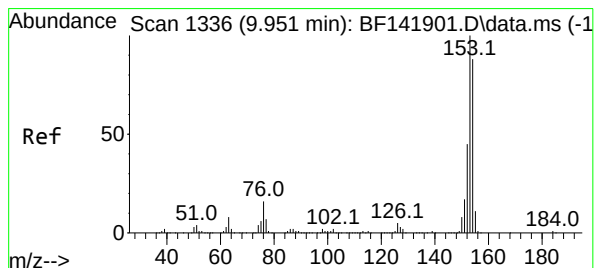
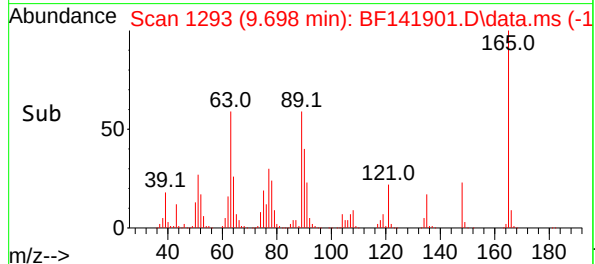
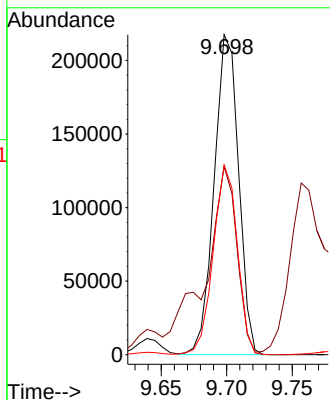
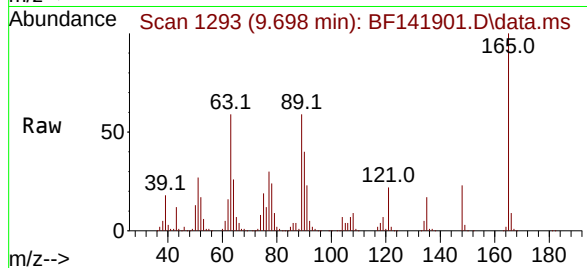




#51
2,6-Dinitrotoluene
Concen: 39.486 ng
RT: 9.698 min Scan# 1293
Delta R.T. 0.000 min
Lab File: BF141901.D
Acq: 10 Mar 2025 12:58

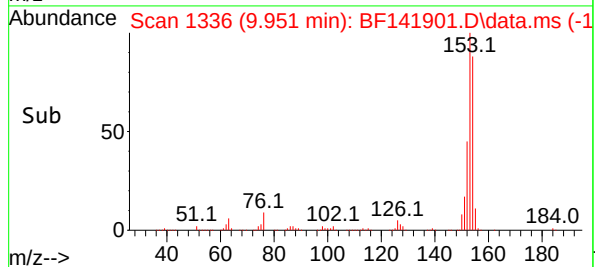
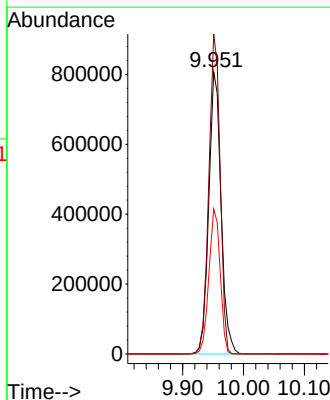
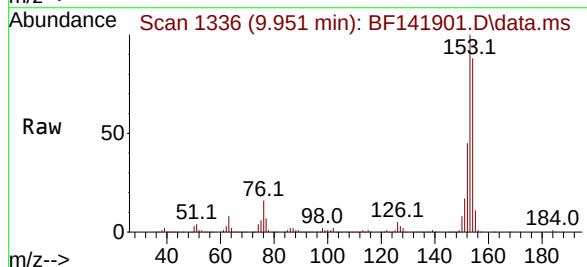
Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

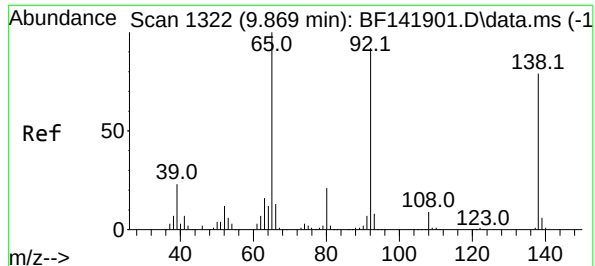
Tgt Ion:165 Resp: 281695
Ion Ratio Lower Upper
165 100
63 58.7 47.0 70.4
89 59.3 47.4 71.2



#52
Acenaphthene
Concen: 38.764 ng
RT: 9.951 min Scan# 1336
Delta R.T. 0.000 min
Lab File: BF141901.D
Acq: 10 Mar 2025 12:58

Tgt Ion:154 Resp: 1132087
Ion Ratio Lower Upper
154 100
153 113.4 90.7 136.1
152 51.4 41.1 61.7





#53

3-Nitroaniline

Concen: 39.481 ng

RT: 9.869 min Scan# 1322

Delta R.T. 0.000 min

Lab File: BF141901.D

Acq: 10 Mar 2025 12:58

Instrument :

BNA_F

ClientSampleId :

SSTDICCC040

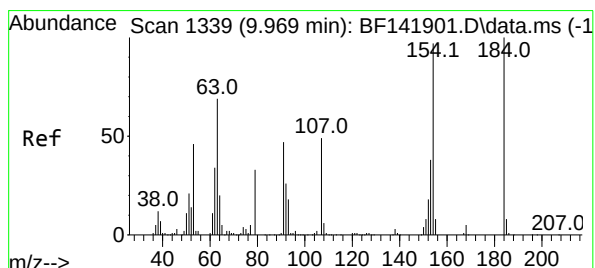
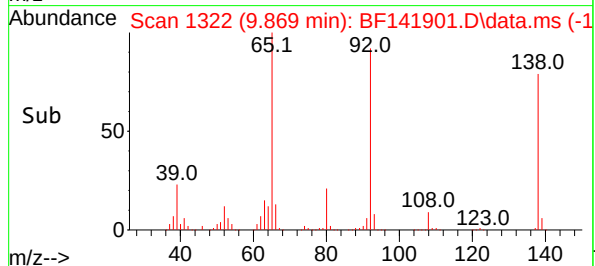
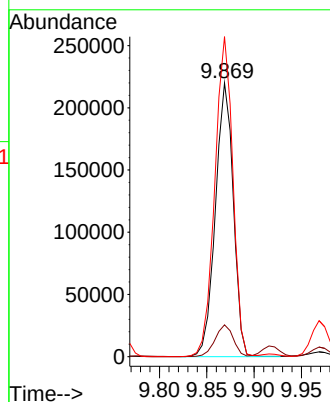
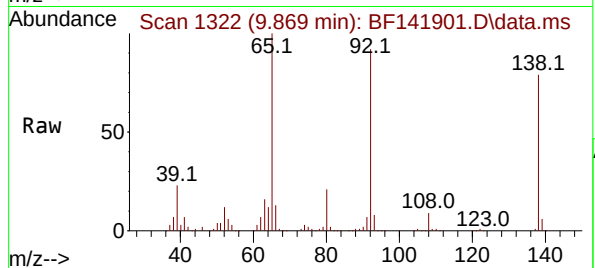
Tgt Ion:138 Resp: 289208

Ion Ratio Lower Upper

138 100

108 11.6 9.3 13.9

92 116.9 93.5 140.3



#54

2,4-Dinitrophenol

Concen: 38.116 ng

RT: 9.969 min Scan# 1339

Delta R.T. -0.000 min

Lab File: BF141901.D

Acq: 10 Mar 2025 12:58

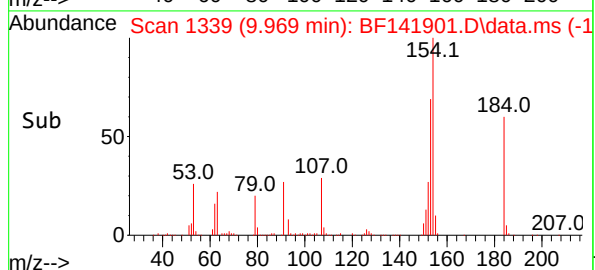
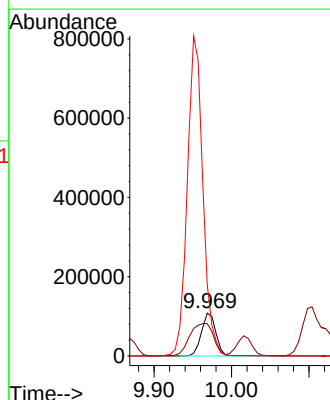
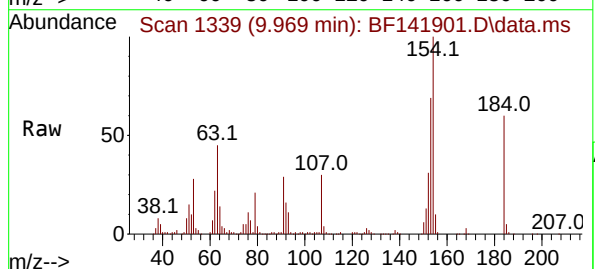
Tgt Ion:184 Resp: 140024

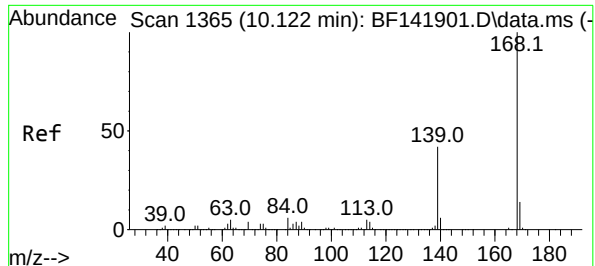
Ion Ratio Lower Upper

184 100

63 75.3 60.2 90.4

154 166.1 132.9 199.3





#55

Dibenzenofuran

Concen: 38.266 ng

RT: 10.122 min Scan# 1365

Delta R.T. 0.000 min

Lab File: BF141901.D

Acq: 10 Mar 2025 12:58

Instrument :

BNA_F

ClientSampleId :

SSTDICCC040

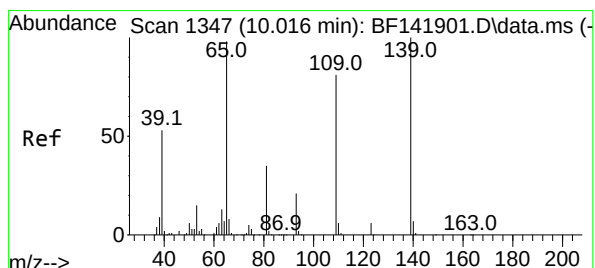
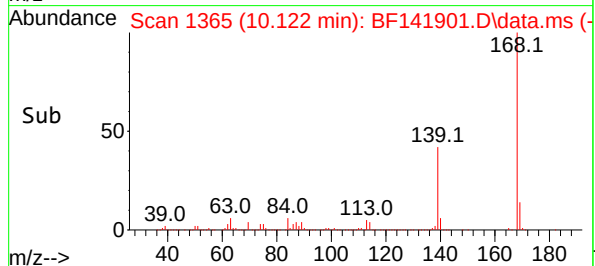
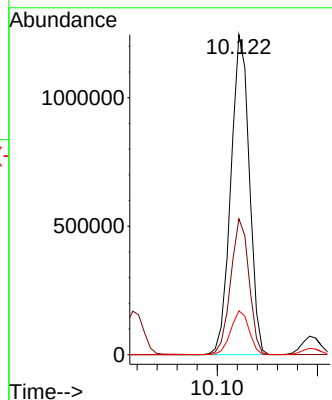
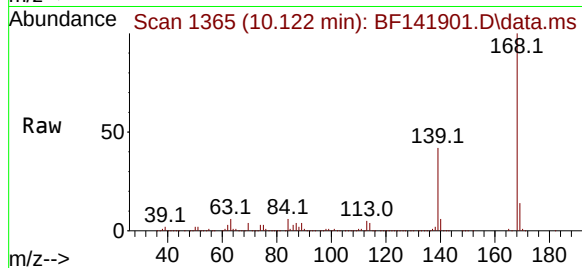
Tgt Ion:168 Resp: 1593454

Ion Ratio Lower Upper

168 100

139 42.4 33.9 50.9

169 13.7 11.0 16.4



#56

4-Nitrophenol

Concen: 41.266 ng

RT: 10.016 min Scan# 1347

Delta R.T. 0.000 min

Lab File: BF141901.D

Acq: 10 Mar 2025 12:58

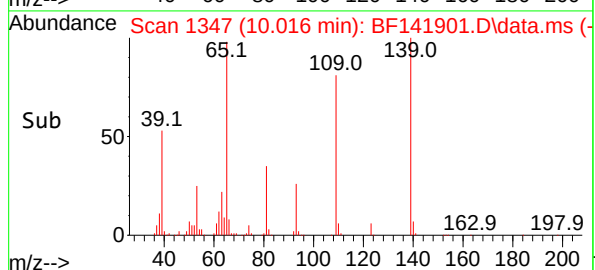
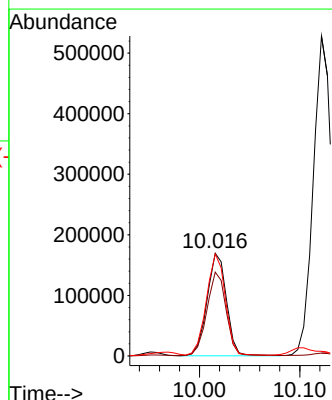
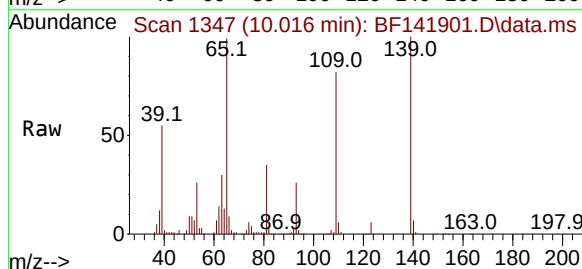
Tgt Ion:139 Resp: 227070

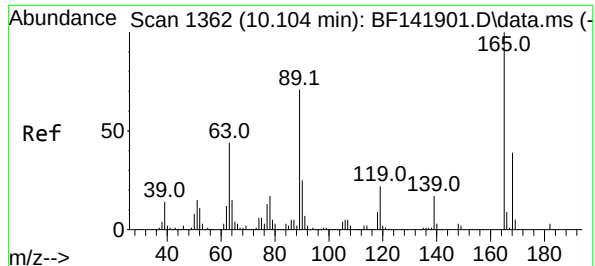
Ion Ratio Lower Upper

139 100

109 81.6 61.6 101.6

65 99.4 79.4 119.4

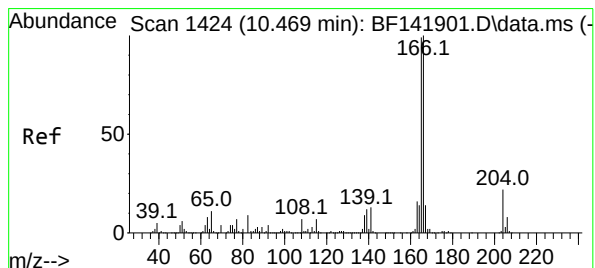
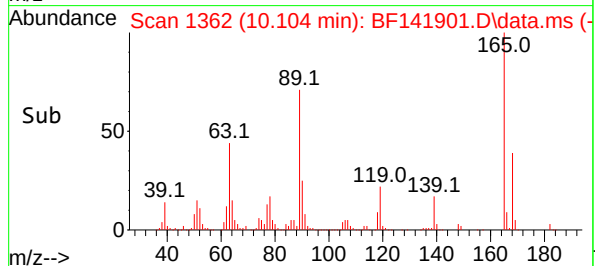
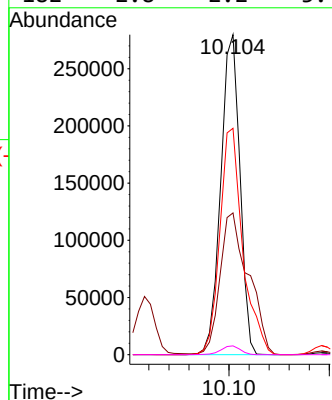
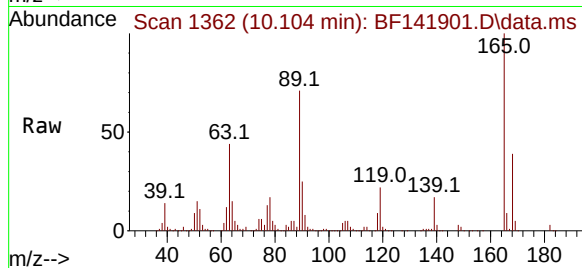




#57
2,4-Dinitrotoluene
Concen: 39.437 ng
RT: 10.104 min Scan# 1362
Delta R.T. 0.000 min
Lab File: BF141901.D
Acq: 10 Mar 2025 12:58

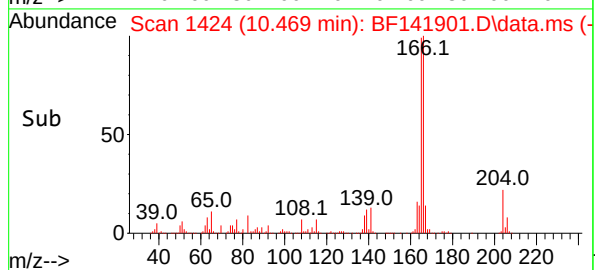
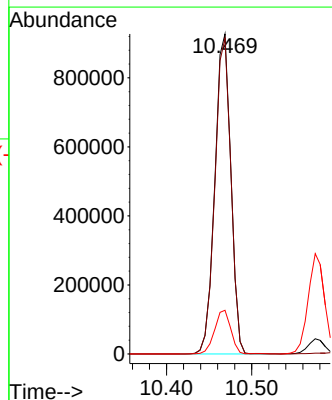
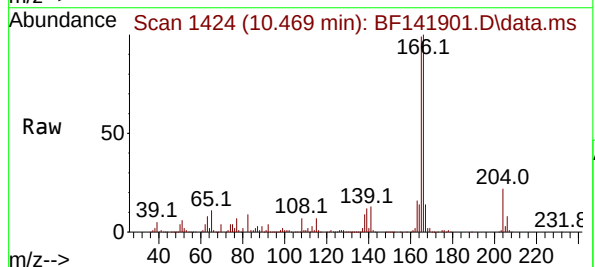
Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

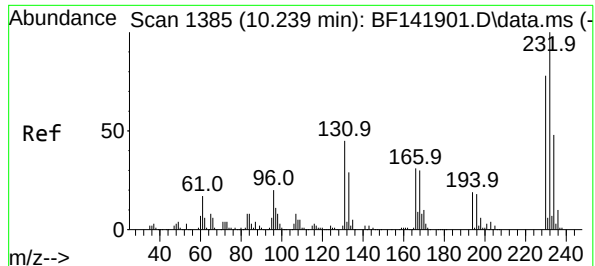
Tgt Ion:165 Resp: 370337
Ion Ratio Lower Upper
165 100
63 44.3 35.4 53.2
89 70.7 56.6 84.8
182 2.8 2.2 3.4



#58
Fluorene
Concen: 37.742 ng
RT: 10.469 min Scan# 1424
Delta R.T. 0.000 min
Lab File: BF141901.D
Acq: 10 Mar 2025 12:58

Tgt Ion:166 Resp: 1213316
Ion Ratio Lower Upper
166 100
165 98.7 79.0 118.4
167 13.7 11.0 16.4

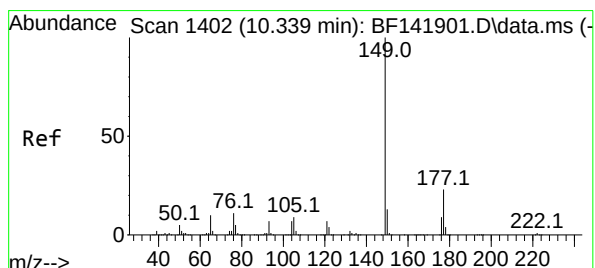
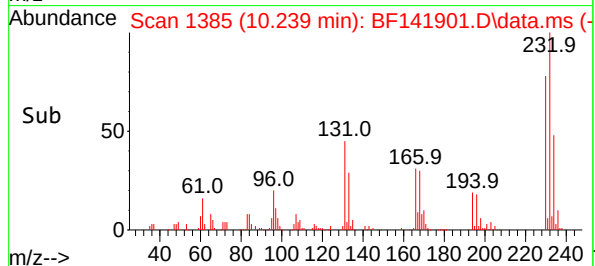
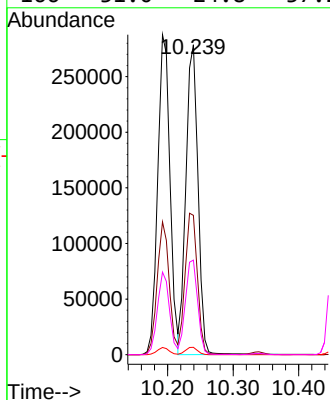
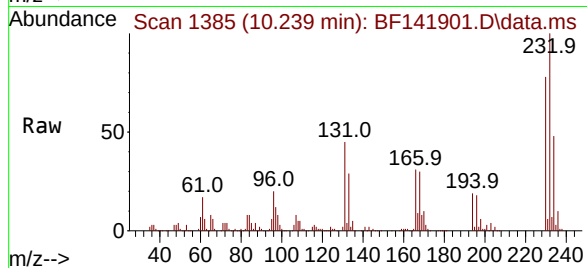




#59
2,3,4,6-Tetrachlorophenol
Concen: 39.225 ng
RT: 10.239 min Scan# 1385
Delta R.T. 0.000 min
Lab File: BF141901.D
Acq: 10 Mar 2025 12:58

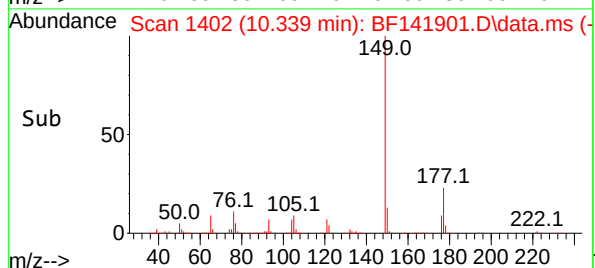
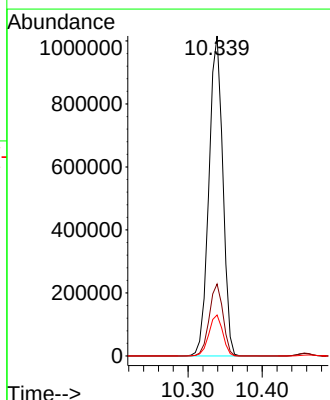
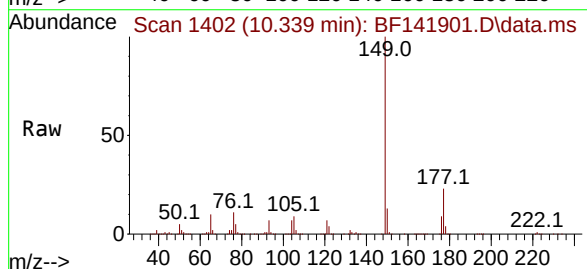
Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

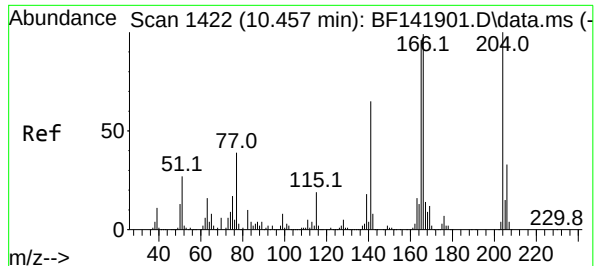
Tgt Ion:232 Resp: 354863
Ion Ratio Lower Upper
232 100
131 46.6 37.3 55.9
130 2.4 1.9 2.9
166 31.0 24.8 37.2



#60
Diethylphthalate
Concen: 38.304 ng
RT: 10.339 min Scan# 1402
Delta R.T. 0.000 min
Lab File: BF141901.D
Acq: 10 Mar 2025 12:58

Tgt Ion:149 Resp: 1319116
Ion Ratio Lower Upper
149 100
177 22.5 18.0 27.0
150 12.8 10.2 15.4

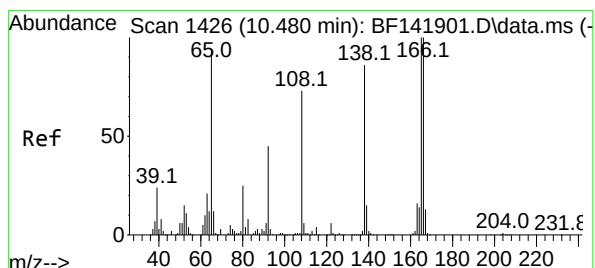
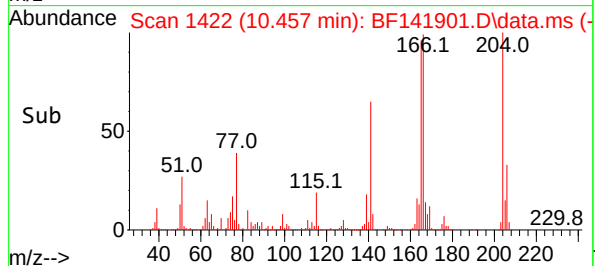
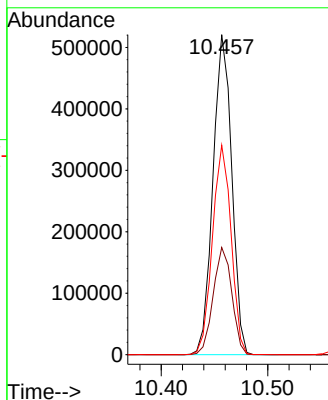
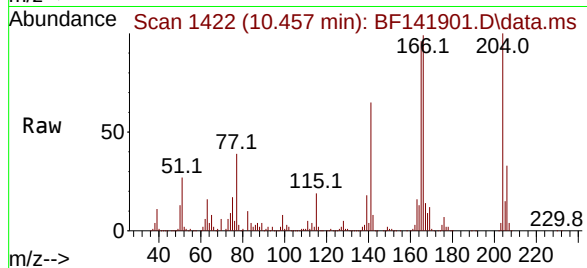




#61
4-Chlorophenyl-phenylether
Concen: 37.950 ng
RT: 10.457 min Scan# 1422
Delta R.T. 0.000 min
Lab File: BF141901.D
Acq: 10 Mar 2025 12:58

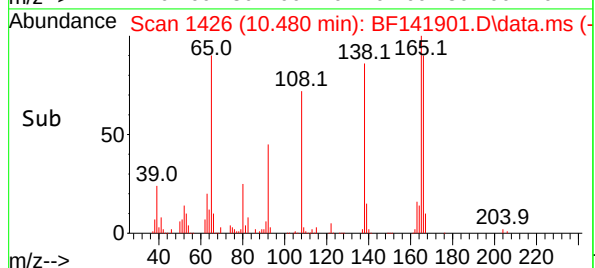
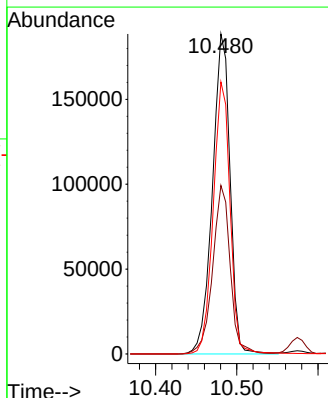
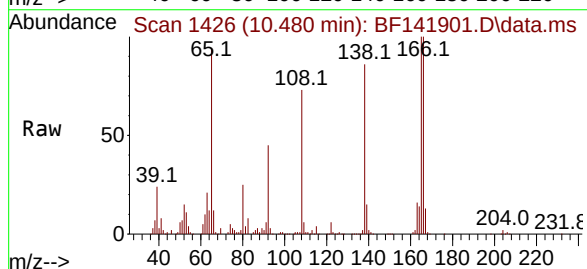
Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

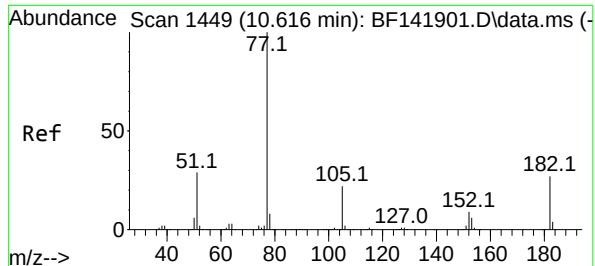
Tgt Ion:204 Resp: 635445
Ion Ratio Lower Upper
204 100
206 33.5 26.8 40.2
141 65.5 52.4 78.6



#62
4-Nitroaniline
Concen: 40.097 ng
RT: 10.480 min Scan# 1426
Delta R.T. 0.000 min
Lab File: BF141901.D
Acq: 10 Mar 2025 12:58

Tgt Ion:138 Resp: 284615
Ion Ratio Lower Upper
138 100
92 52.6 32.6 72.6
108 85.0 65.0 105.0

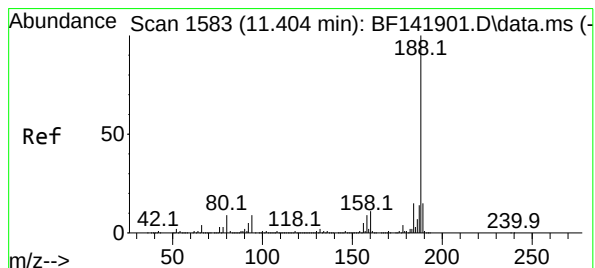
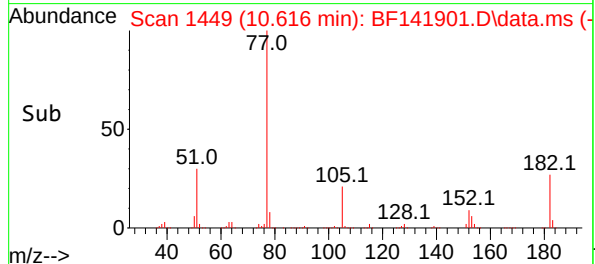
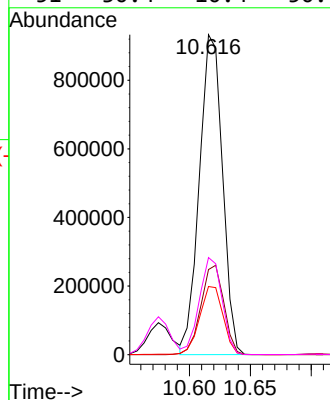
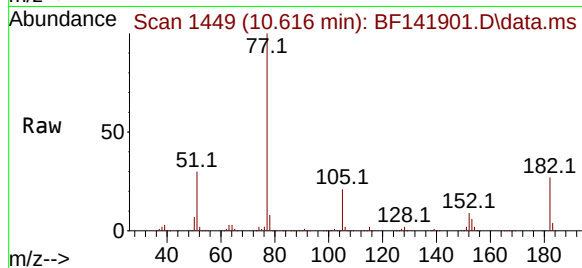




#63
Azobenzene
Concen: 38.432 ng
RT: 10.616 min Scan# 1449
Delta R.T. 0.000 min
Lab File: BF141901.D
Acq: 10 Mar 2025 12:58

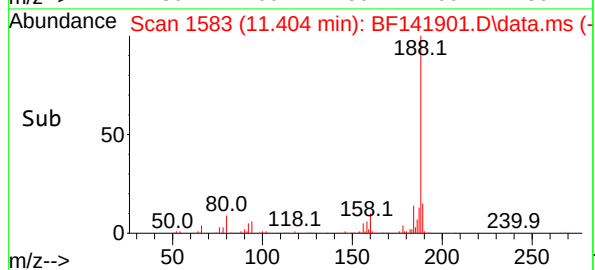
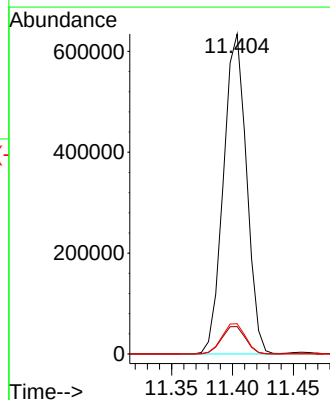
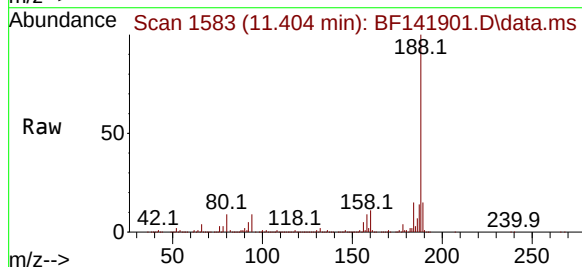
Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

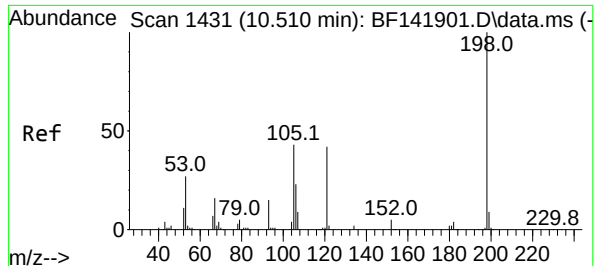
Tgt Ion: 77 Resp: 1229473
Ion Ratio Lower Upper
77 100
182 26.6 6.6 46.6
105 21.3 1.3 41.3
51 30.4 10.4 50.4



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.404 min Scan# 1583
Delta R.T. -0.000 min
Lab File: BF141901.D
Acq: 10 Mar 2025 12:58

Tgt Ion: 188 Resp: 839154
Ion Ratio Lower Upper
188 100
94 8.5 6.8 10.2
80 9.5 7.6 11.4

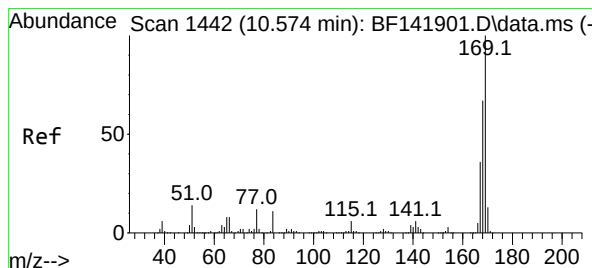
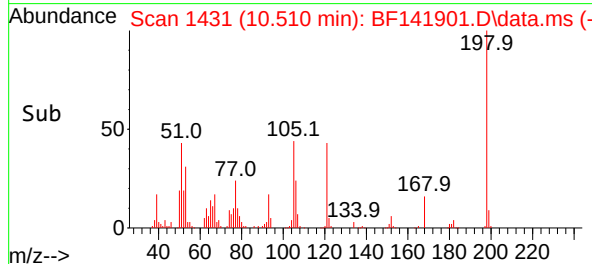
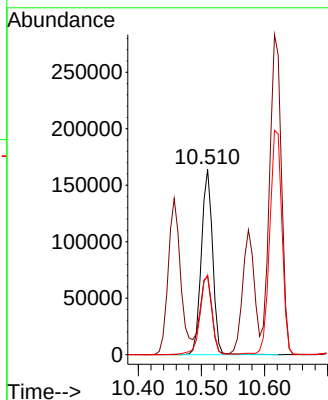
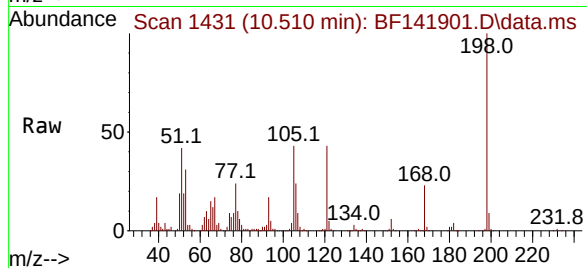




#65
4,6-Dinitro-2-methylphenol
Concen: 40.827 ng
RT: 10.510 min Scan# 1431
Delta R.T. -0.000 min
Lab File: BF141901.D
Acq: 10 Mar 2025 12:58

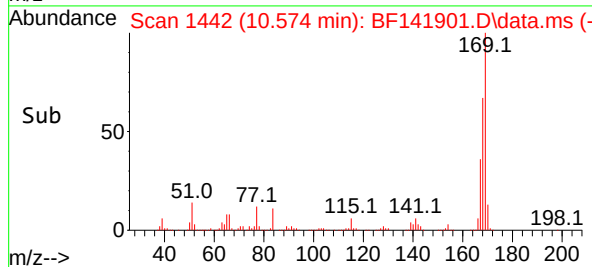
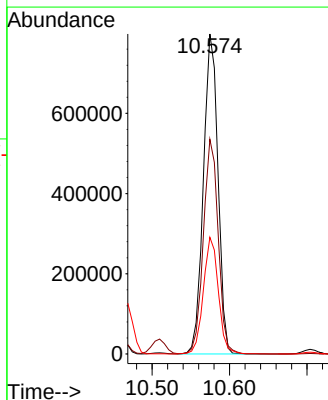
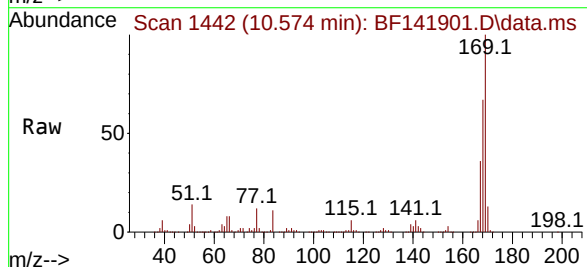
Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

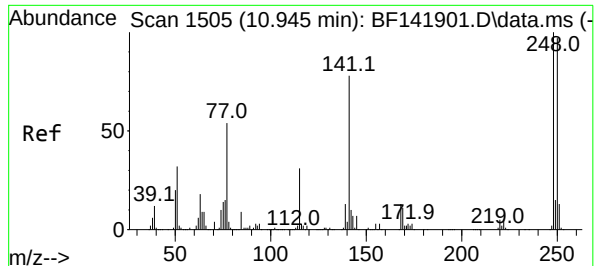
Tgt Ion:198 Resp: 203106
Ion Ratio Lower Upper
198 100
51 42.3 22.3 62.3
105 43.0 23.0 63.0



#66
n-Nitrosodiphenylamine
Concen: 38.415 ng
RT: 10.574 min Scan# 1442
Delta R.T. 0.000 min
Lab File: BF141901.D
Acq: 10 Mar 2025 12:58

Tgt Ion:169 Resp: 1041349
Ion Ratio Lower Upper
169 100
168 67.1 53.7 80.5
167 36.5 29.2 43.8

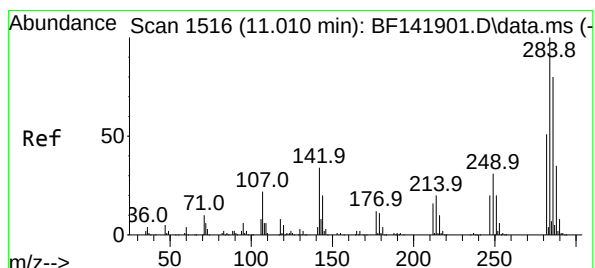
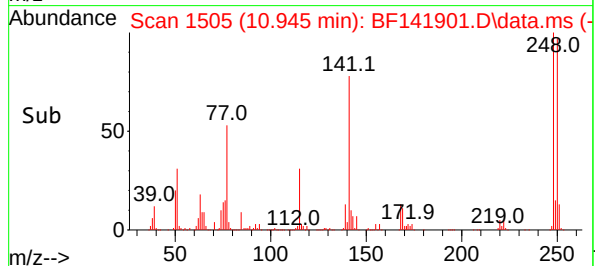
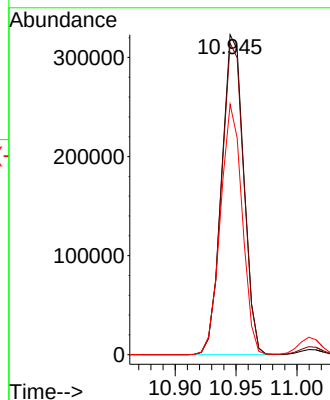
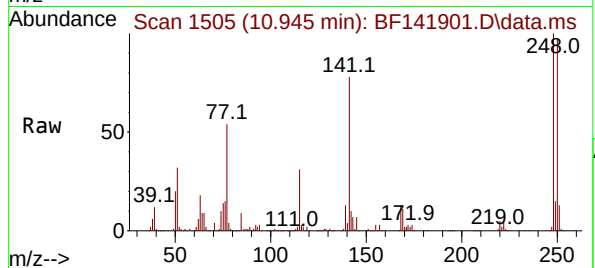




#67
4-Bromophenyl-phenylether
Concen: 39.195 ng
RT: 10.945 min Scan# 1505
Delta R.T. 0.000 min
Lab File: BF141901.D
Acq: 10 Mar 2025 12:58

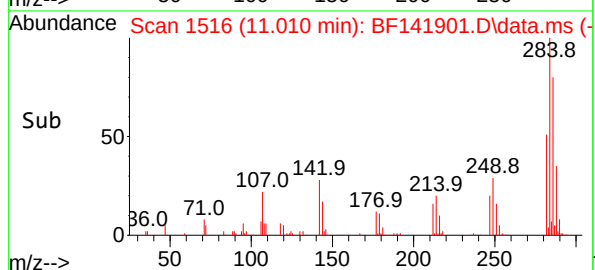
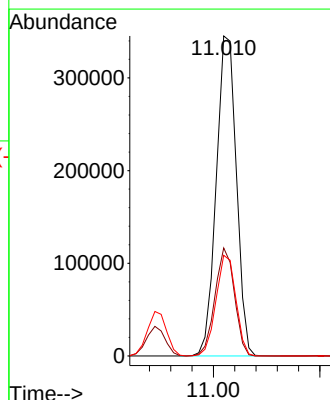
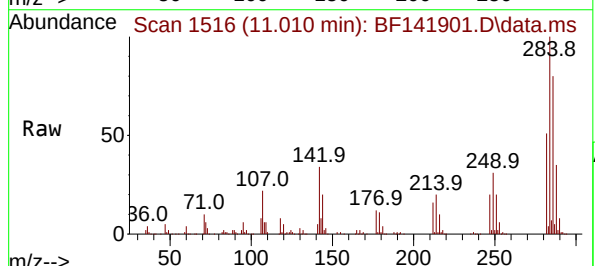
Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

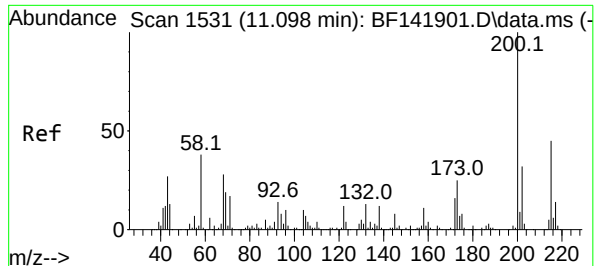
Tgt Ion:248 Resp: 409602
Ion Ratio Lower Upper
248 100
250 97.3 77.8 116.8
141 78.2 62.6 93.8



#68
Hexachlorobenzene
Concen: 39.146 ng
RT: 11.010 min Scan# 1516
Delta R.T. 0.000 min
Lab File: BF141901.D
Acq: 10 Mar 2025 12:58

Tgt Ion:284 Resp: 452189
Ion Ratio Lower Upper
284 100
142 33.8 27.0 40.6
249 31.5 25.2 37.8





#69

Atrazine

Concen: 41.614 ng

RT: 11.098 min Scan# 1531

Delta R.T. -0.000 min

Lab File: BF141901.D

Acq: 10 Mar 2025 12:58

Instrument :

BNA_F

ClientSampleId :

SSTDICCC040

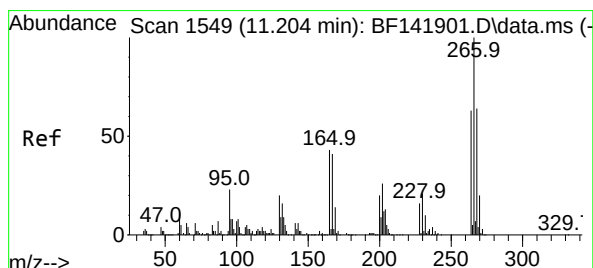
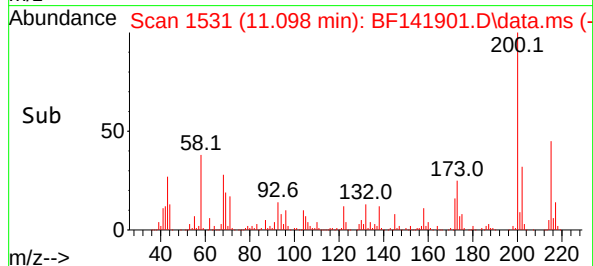
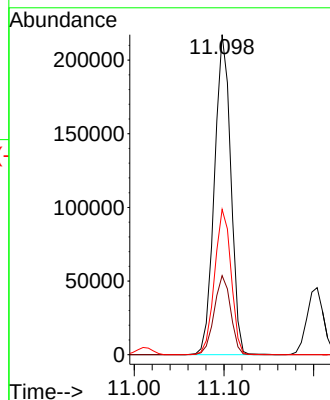
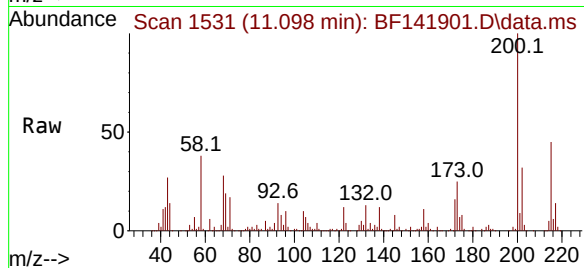
Tgt Ion:200 Resp: 275084

Ion Ratio Lower Upper

200 100

173 24.7 4.7 44.7

215 45.4 25.4 65.4



#70

Pentachlorophenol

Concen: 41.818 ng

RT: 11.204 min Scan# 1549

Delta R.T. 0.000 min

Lab File: BF141901.D

Acq: 10 Mar 2025 12:58

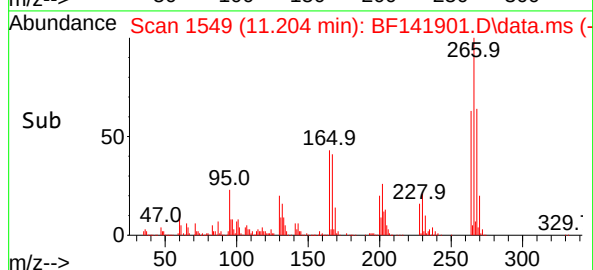
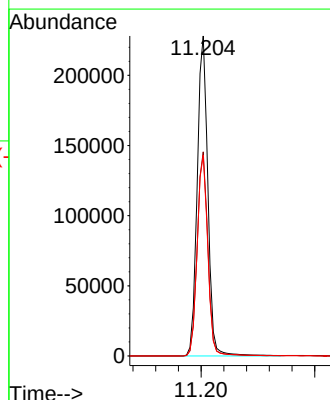
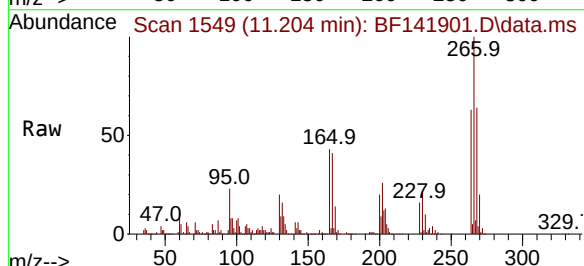
Tgt Ion:266 Resp: 297893

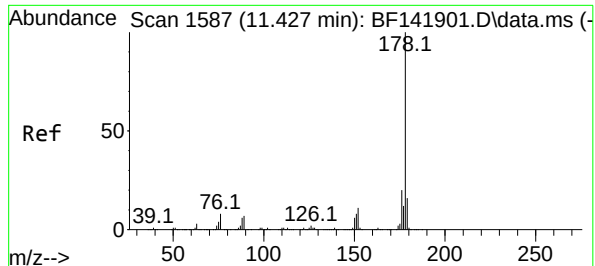
Ion Ratio Lower Upper

266 100

268 63.8 51.0 76.6

264 62.7 50.2 75.2

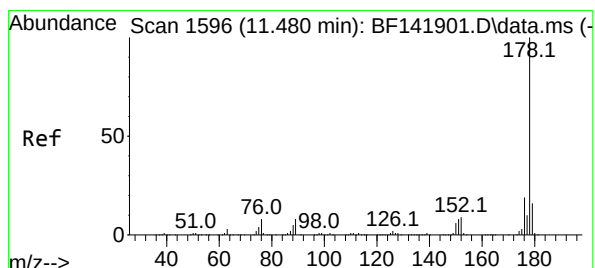
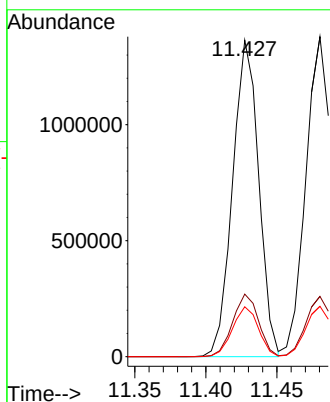
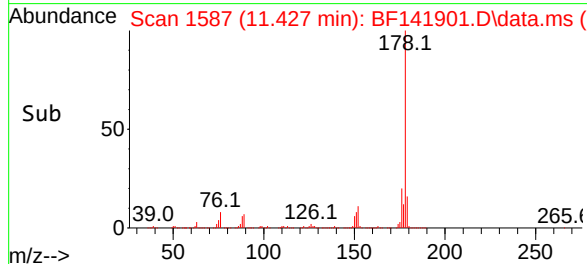
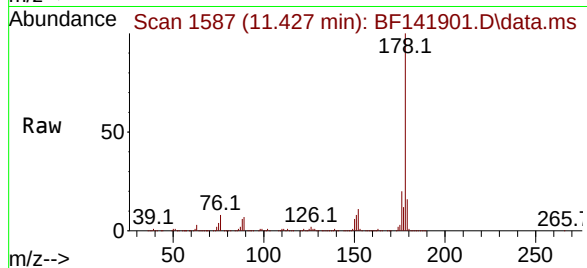




#71
Phenanthrene
Concen: 38.373 ng
RT: 11.427 min Scan# 1587
Delta R.T. 0.000 min
Lab File: BF141901.D
Acq: 10 Mar 2025 12:58

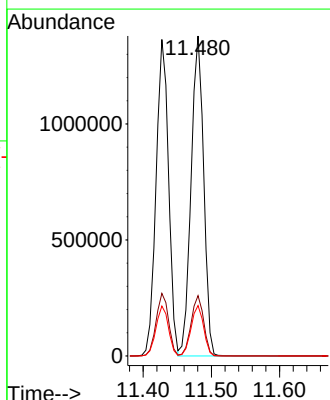
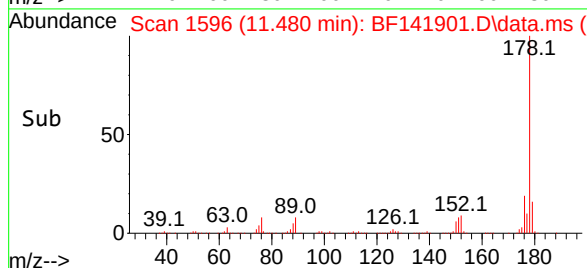
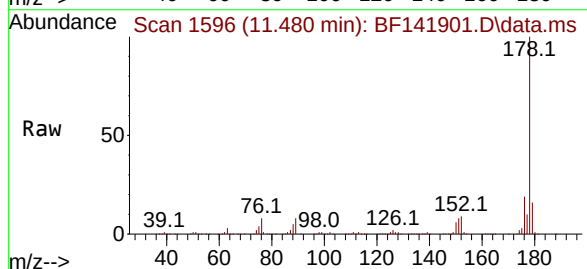
Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

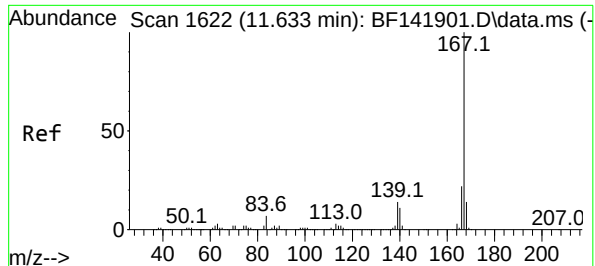
Tgt Ion:178 Resp: 1741309
Ion Ratio Lower Upper
178 100
176 19.8 15.8 23.8
179 15.8 12.6 19.0



#72
Anthracene
Concen: 38.571 ng
RT: 11.480 min Scan# 1596
Delta R.T. 0.000 min
Lab File: BF141901.D
Acq: 10 Mar 2025 12:58

Tgt Ion:178 Resp: 1756035
Ion Ratio Lower Upper
178 100
176 18.9 15.1 22.7
179 15.8 12.6 19.0

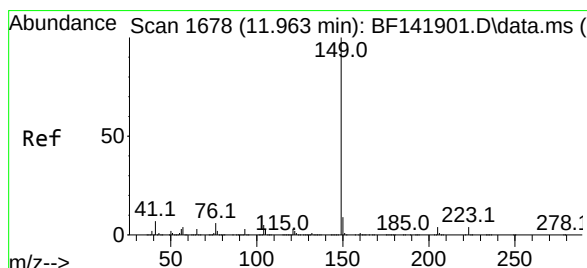
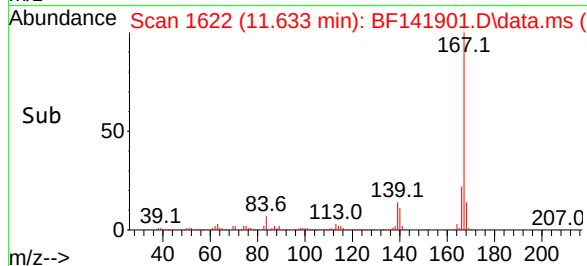
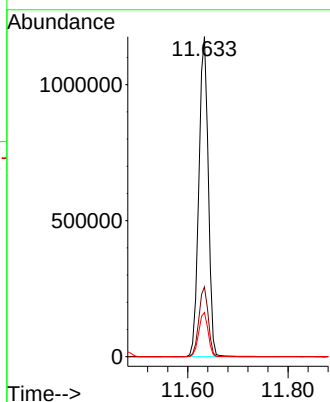
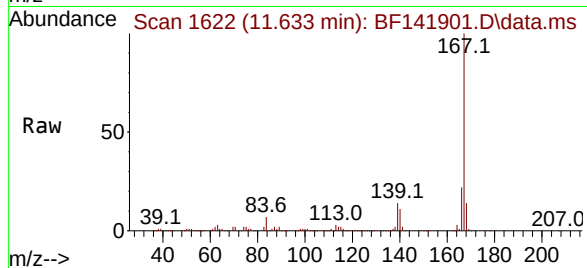




#73
Carbazole
Concen: 38.898 ng
RT: 11.633 min Scan# 1622
Delta R.T. 0.000 min
Lab File: BF141901.D
Acq: 10 Mar 2025 12:58

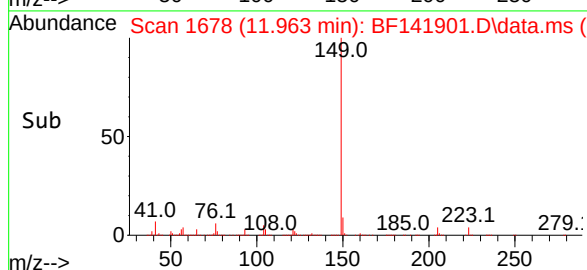
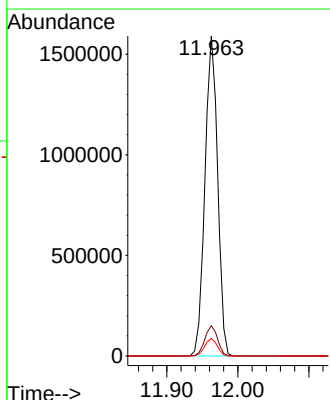
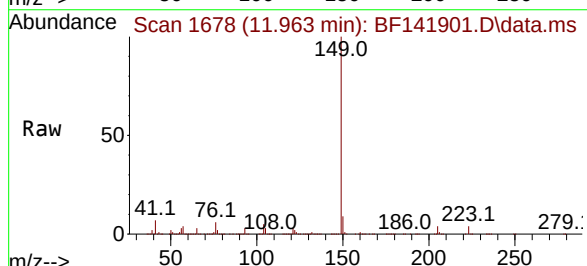
Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

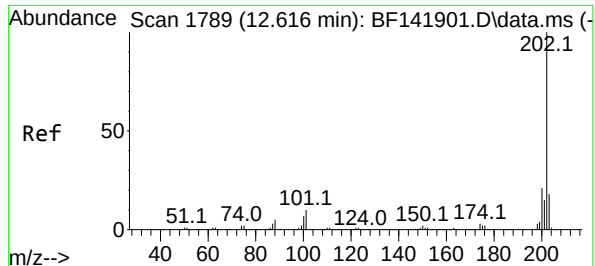
Tgt Ion:167 Resp: 1524663
Ion Ratio Lower Upper
167 100
166 21.8 17.4 26.2
139 13.8 11.0 16.6



#74
Di-n-butylphthalate
Concen: 38.175 ng
RT: 11.963 min Scan# 1678
Delta R.T. 0.000 min
Lab File: BF141901.D
Acq: 10 Mar 2025 12:58

Tgt Ion:149 Resp: 1975625
Ion Ratio Lower Upper
149 100
150 9.5 7.6 11.4
104 5.5 4.4 6.6

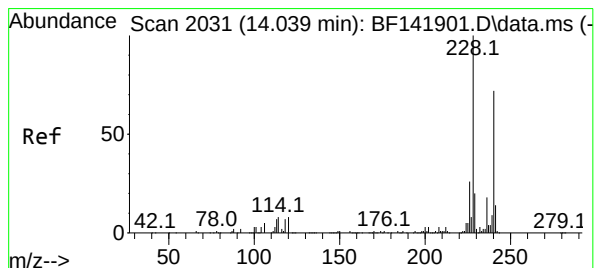
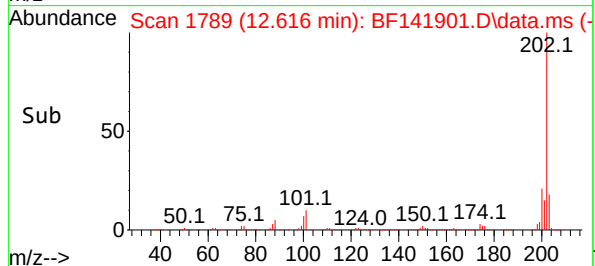
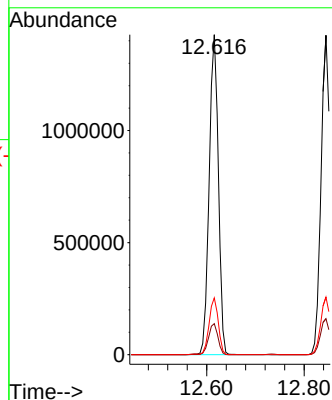
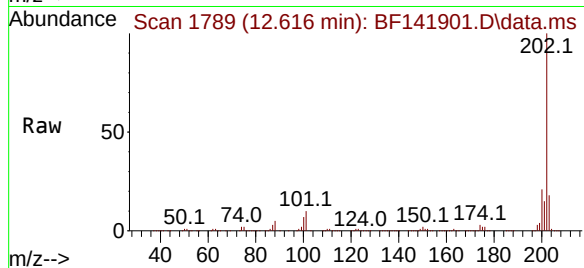




#75
Fluoranthene
Concen: 39.049 ng
RT: 12.616 min Scan# 1789
Delta R.T. 0.000 min
Lab File: BF141901.D
Acq: 10 Mar 2025 12:58

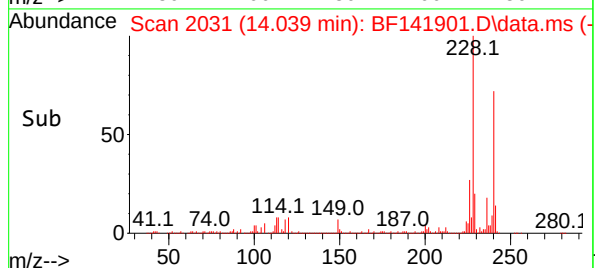
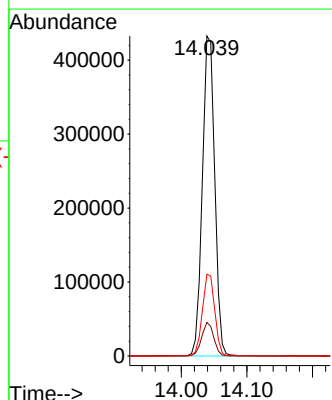
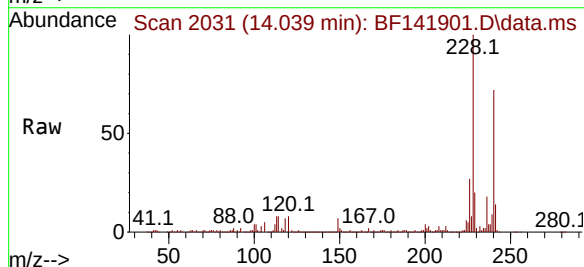
Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

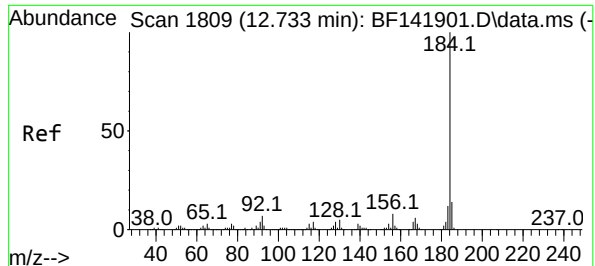
Tgt Ion:202 Resp: 1860202
Ion Ratio Lower Upper
202 100
101 9.7 0.0 29.7
203 17.8 0.0 37.8



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.039 min Scan# 2031
Delta R.T. 0.000 min
Lab File: BF141901.D
Acq: 10 Mar 2025 12:58

Tgt Ion:240 Resp: 569865
Ion Ratio Lower Upper
240 100
120 10.5 8.4 12.6
236 25.6 20.5 30.7





#77

Benzidine

Concen: 50.915 ng

RT: 12.733 min Scan# 1809

Delta R.T. 0.000 min

Lab File: BF141901.D

Acq: 10 Mar 2025 12:58

Instrument :

BNA_F

ClientSampleId :

SSTDICCC040

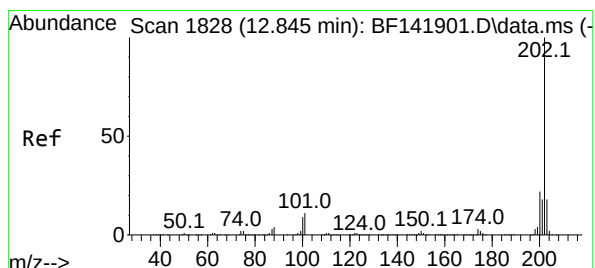
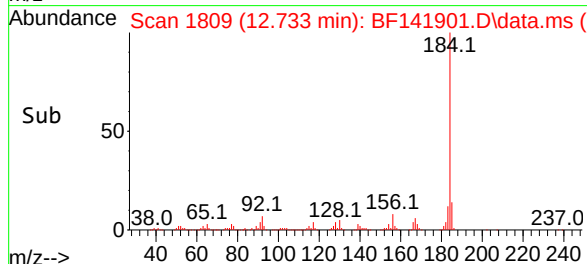
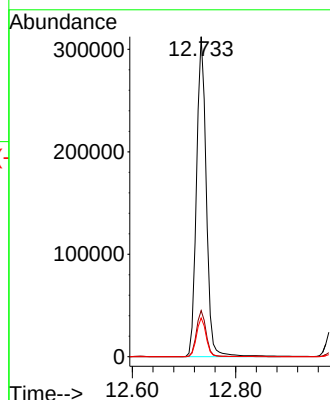
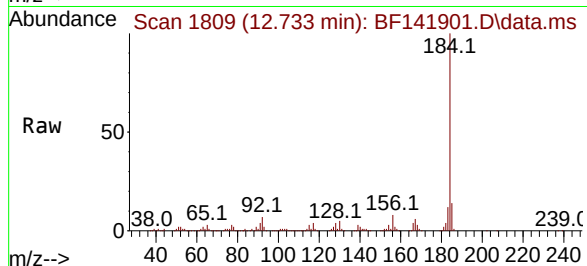
Tgt Ion:184 Resp: 410026

Ion Ratio Lower Upper

184 100

185 14.4 11.5 17.3

183 12.1 9.7 14.5



#78

Pyrene

Concen: 37.567 ng

RT: 12.845 min Scan# 1828

Delta R.T. 0.000 min

Lab File: BF141901.D

Acq: 10 Mar 2025 12:58

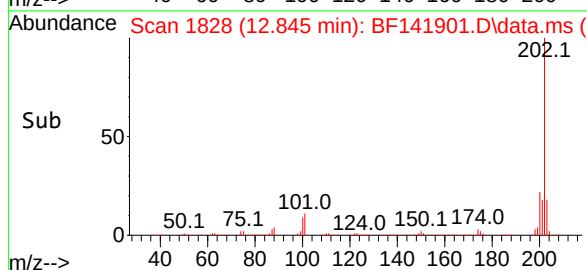
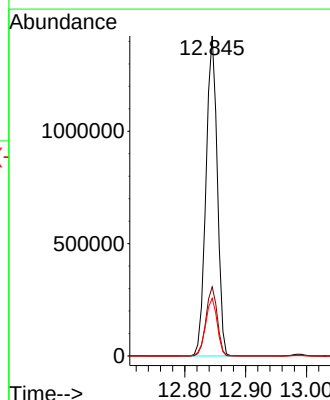
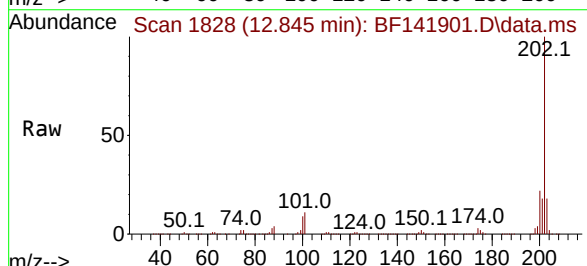
Tgt Ion:202 Resp: 1835917

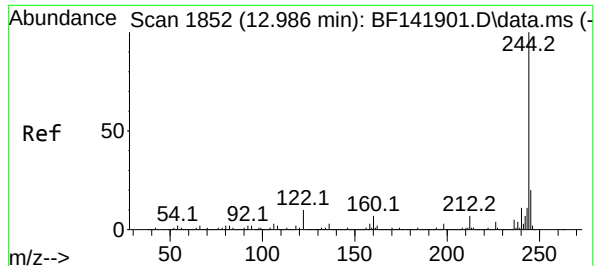
Ion Ratio Lower Upper

202 100

200 21.6 17.3 25.9

203 18.0 14.4 21.6





#79

Terphenyl-d14

Concen: 75.440 ng

RT: 12.986 min Scan# 1852

Delta R.T. 0.000 min

Lab File: BF141901.D

Acq: 10 Mar 2025 12:58

Instrument :

BNA_F

ClientSampleId :

SSTDICCC040

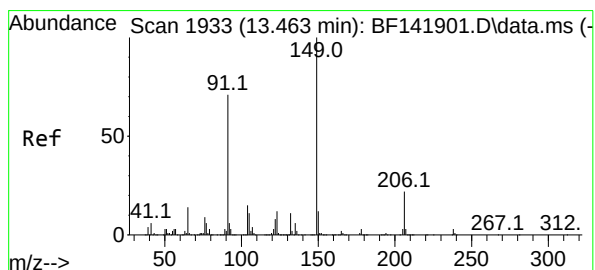
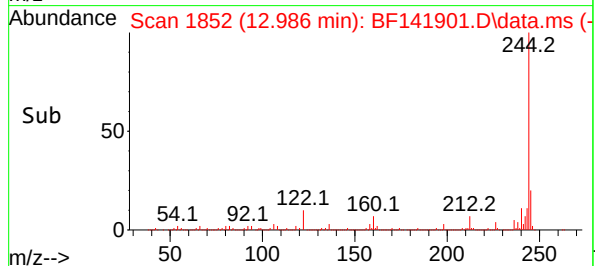
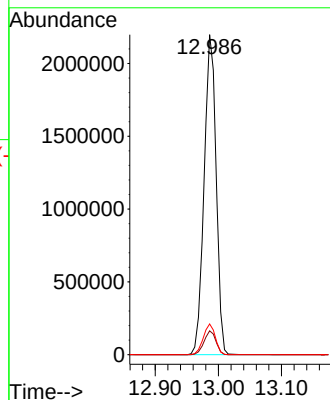
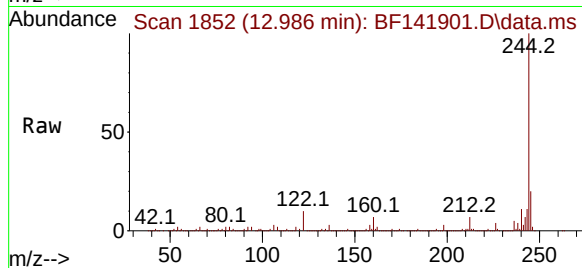
Tgt Ion:244 Resp: 2908357

Ion Ratio Lower Upper

244 100

212 7.5 6.0 9.0

122 9.6 7.7 11.5



#80

Butylbenzylphthalate

Concen: 38.769 ng

RT: 13.463 min Scan# 1933

Delta R.T. 0.000 min

Lab File: BF141901.D

Acq: 10 Mar 2025 12:58

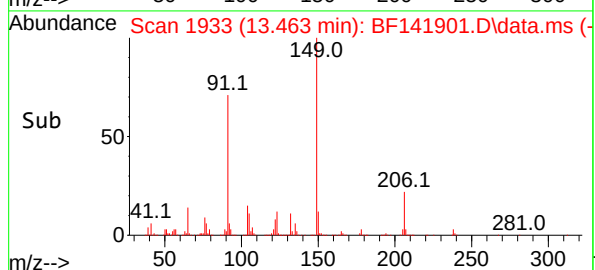
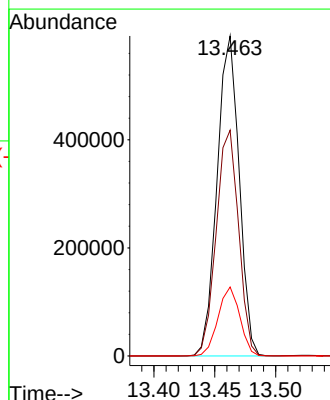
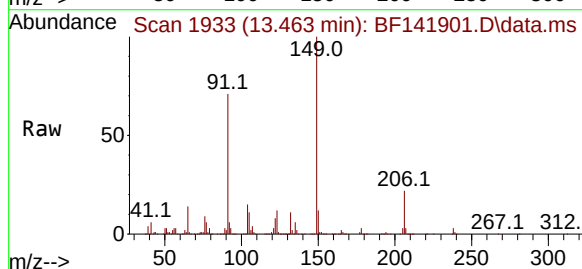
Tgt Ion:149 Resp: 746613

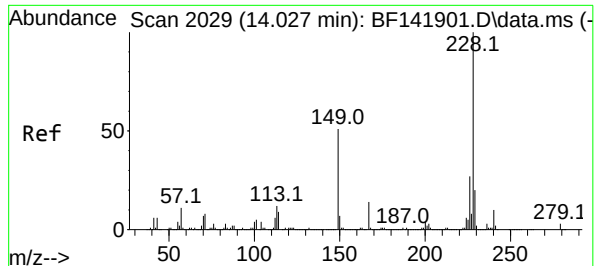
Ion Ratio Lower Upper

149 100

91 70.6 56.5 84.7

206 21.6 17.3 25.9

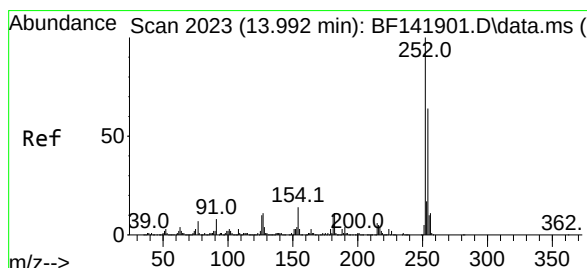
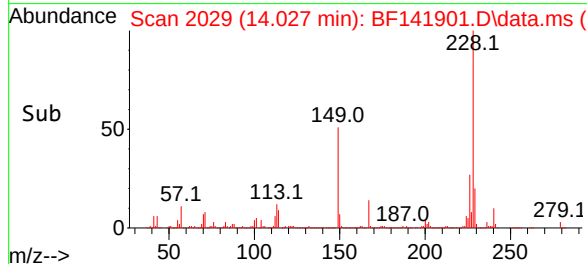
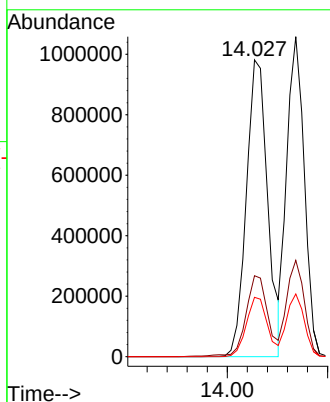
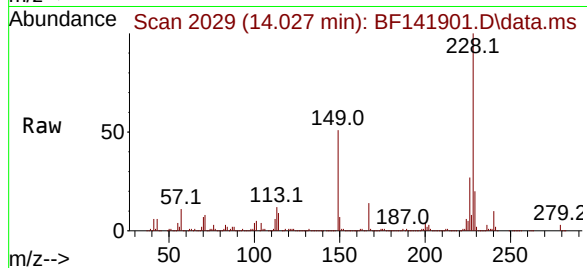




#81
Benzo(a)anthracene
Concen: 38.713 ng
RT: 14.027 min Scan# 2029
Delta R.T. 0.000 min
Lab File: BF141901.D
Acq: 10 Mar 2025 12:58

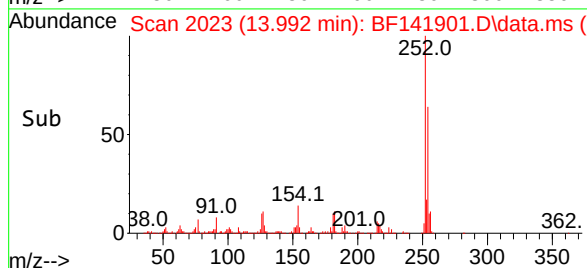
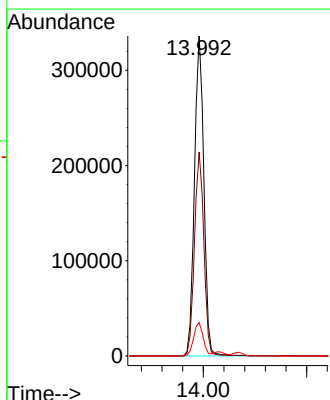
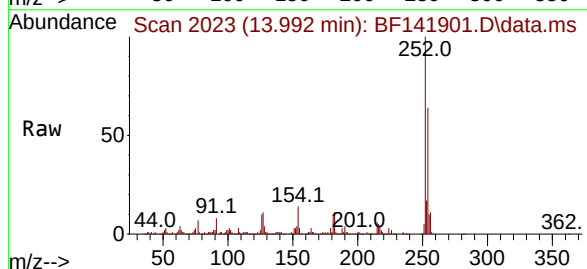
Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

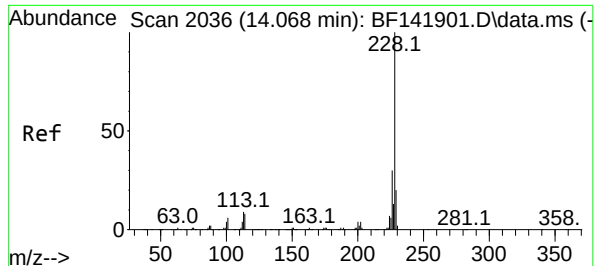
Tgt Ion:228 Resp: 1451332
Ion Ratio Lower Upper
228 100
226 27.3 21.8 32.8
229 20.0 16.0 24.0



#82
3,3'-Dichlorobenzidine
Concen: 39.114 ng
RT: 13.992 min Scan# 2023
Delta R.T. 0.000 min
Lab File: BF141901.D
Acq: 10 Mar 2025 12:58

Tgt Ion:252 Resp: 423835
Ion Ratio Lower Upper
252 100
254 63.8 51.0 76.6
126 10.5 8.4 12.6





#83

Chrysene

Concen: 38.439 ng

RT: 14.068 min Scan# 2036

Delta R.T. 0.000 min

Lab File: BF141901.D

Acq: 10 Mar 2025 12:58

Instrument :

BNA_F

ClientSampleId :

SSTDICCC040

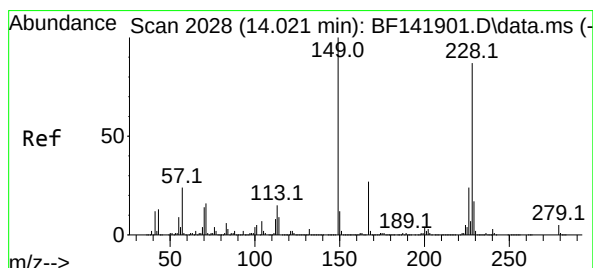
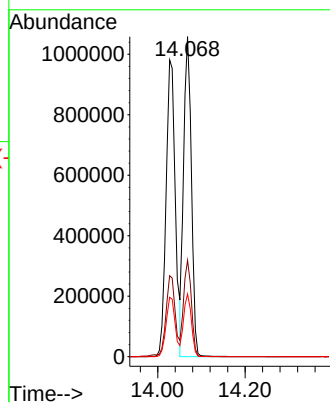
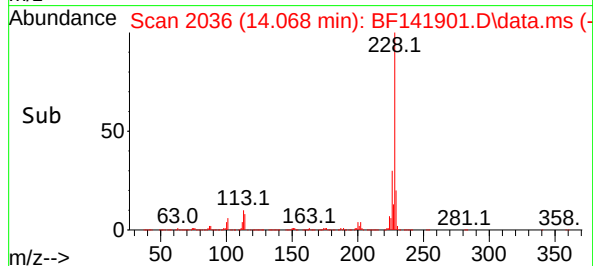
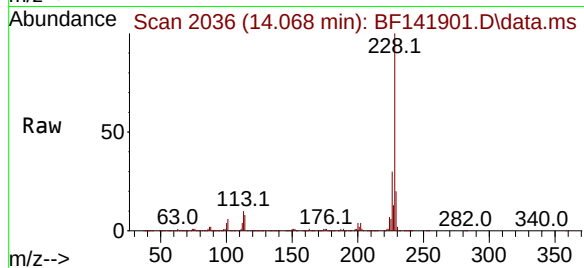
Tgt Ion:228 Resp: 1294538

Ion Ratio Lower Upper

228 100

226 30.1 24.1 36.1

229 19.6 15.7 23.5



#84

Bis(2-ethylhexyl)phthalate

Concen: 38.985 ng

RT: 14.021 min Scan# 2028

Delta R.T. 0.000 min

Lab File: BF141901.D

Acq: 10 Mar 2025 12:58

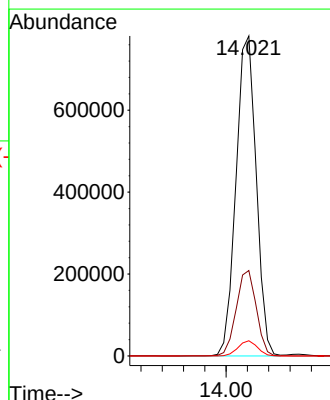
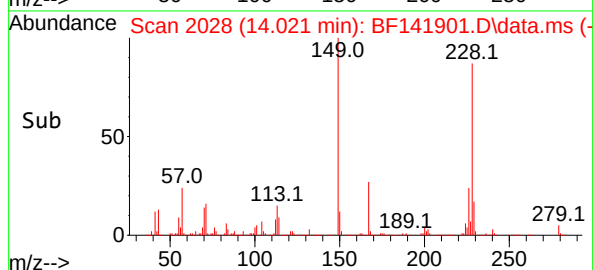
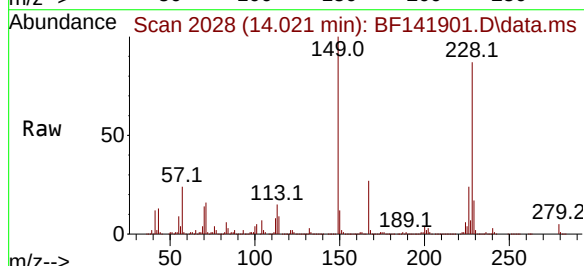
Tgt Ion:149 Resp: 1029987

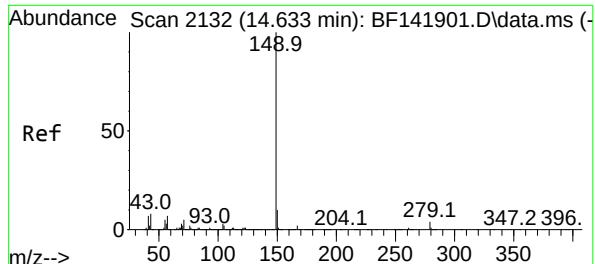
Ion Ratio Lower Upper

149 100

167 26.7 21.4 32.0

279 4.7 3.8 5.6

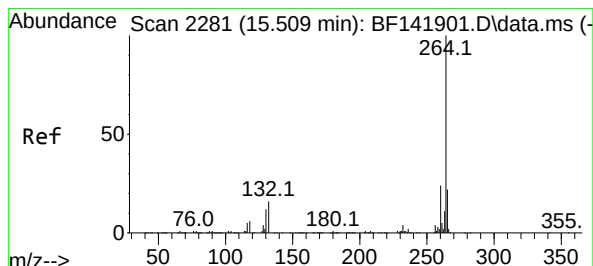
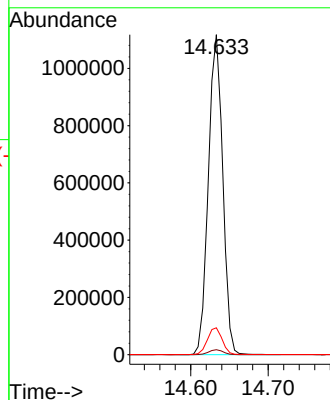
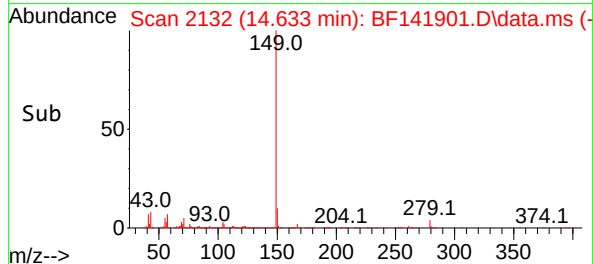
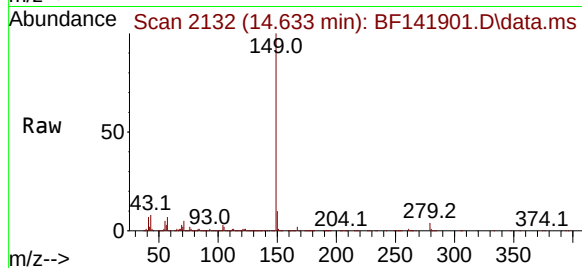




#85
Di-n-octyl phthalate
Concen: 39.193 ng
RT: 14.633 min Scan# 2132
Delta R.T. 0.000 min
Lab File: BF141901.D
Acq: 10 Mar 2025 12:58

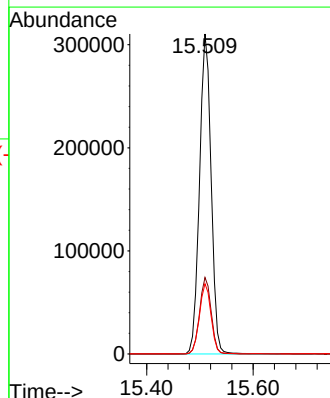
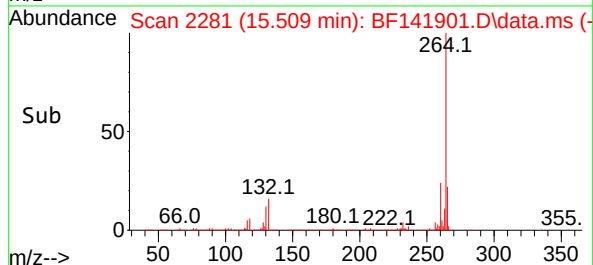
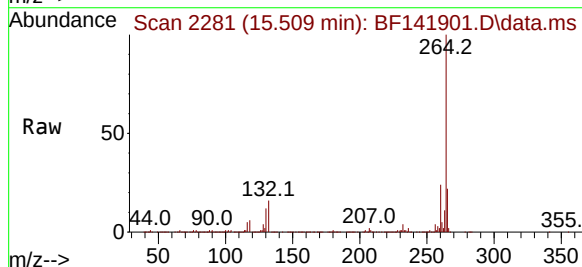
Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

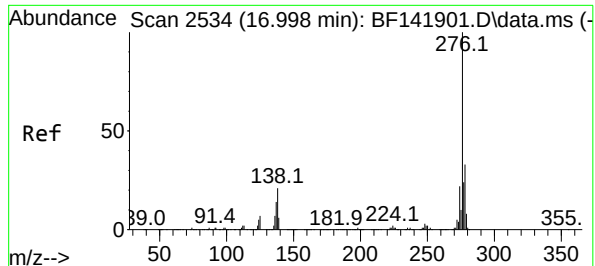
Tgt Ion:149 Resp: 1441248
Ion Ratio Lower Upper
149 100
167 1.6 1.3 1.9
43 8.6 6.9 10.3



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.509 min Scan# 2281
Delta R.T. 0.000 min
Lab File: BF141901.D
Acq: 10 Mar 2025 12:58

Tgt Ion:264 Resp: 469286
Ion Ratio Lower Upper
264 100
260 23.9 19.1 28.7
265 21.9 17.5 26.3





#87

Indeno(1,2,3-cd)pyrene

Concen: 39.681 ng

RT: 16.998 min Scan# 21

Delta R.T. 0.000 min

Lab File: BF141901.D

Acq: 10 Mar 2025 12:58

Instrument :

BNA_F

ClientSampleId :

SSTDICCC040

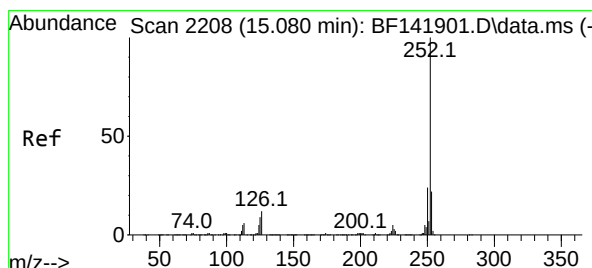
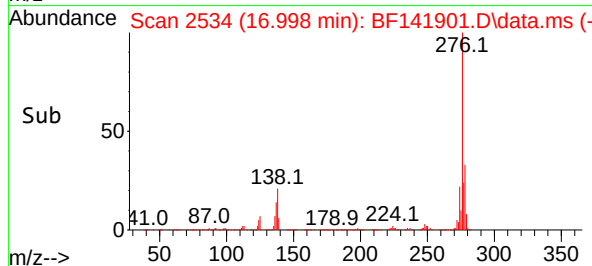
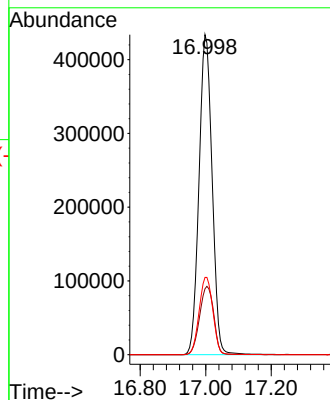
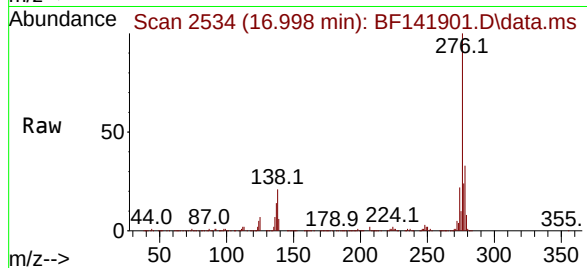
Tgt Ion:276 Resp: 1207616

Ion Ratio Lower Upper

276 100

138 23.0 18.4 27.6

277 25.4 20.3 30.5



#88

Benzo(b)fluoranthene

Concen: 35.673 ng

RT: 15.080 min Scan# 2208

Delta R.T. 0.000 min

Lab File: BF141901.D

Acq: 10 Mar 2025 12:58

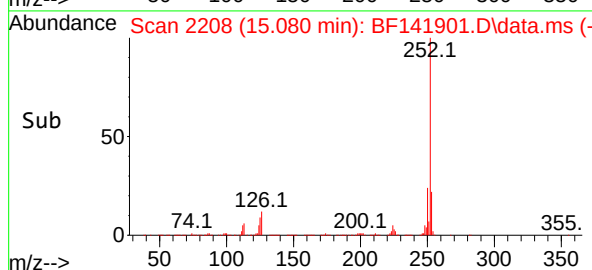
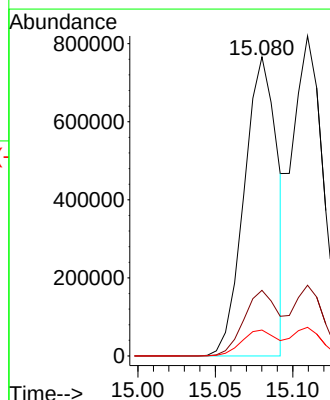
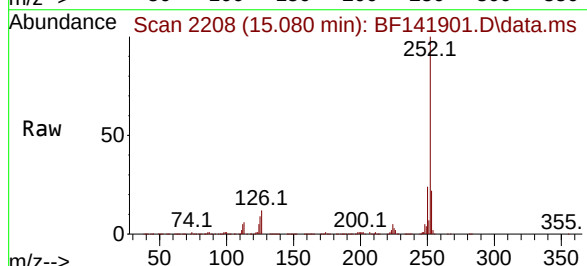
Tgt Ion:252 Resp: 1135547

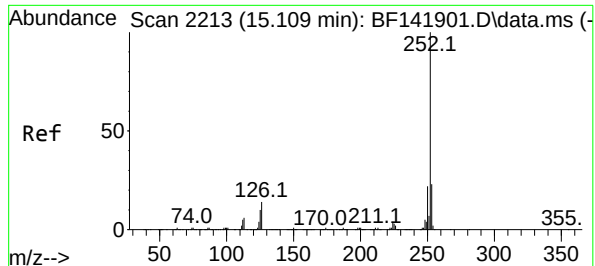
Ion Ratio Lower Upper

252 100

253 21.9 17.5 26.3

125 8.7 7.0 10.4





#89

Benzo(k)fluoranthene

Concen: 40.661 ng

RT: 15.109 min Scan# 2213

Delta R.T. 0.000 min

Lab File: BF141901.D

Acq: 10 Mar 2025 12:58

Instrument :

BNA_F

ClientSampleId :

SSTDICCC040

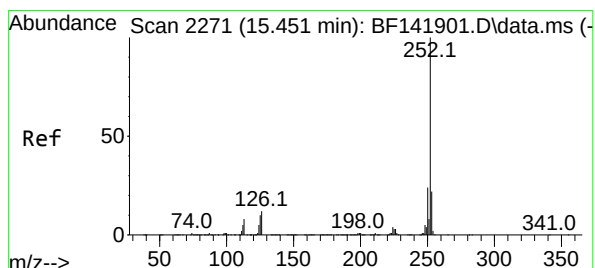
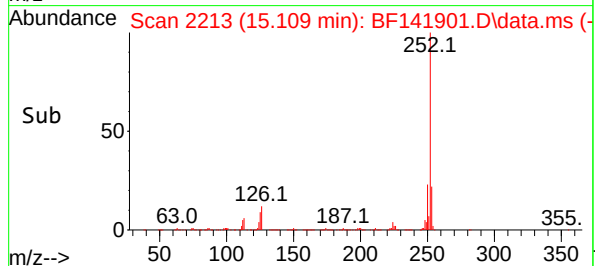
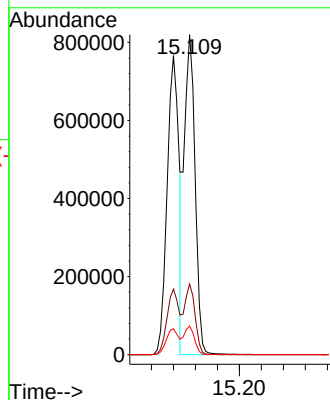
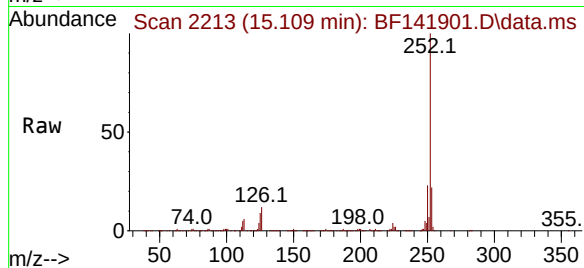
Tgt Ion:252 Resp: 1130615

Ion Ratio Lower Upper

252 100

253 22.1 17.7 26.5

125 9.0 7.2 10.8



#90

Benzo(a)pyrene

Concen: 38.727 ng

RT: 15.451 min Scan# 2271

Delta R.T. 0.000 min

Lab File: BF141901.D

Acq: 10 Mar 2025 12:58

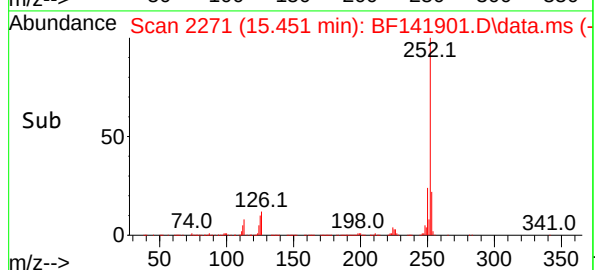
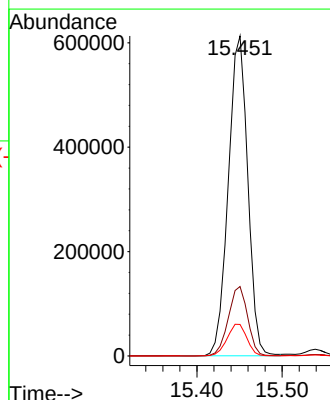
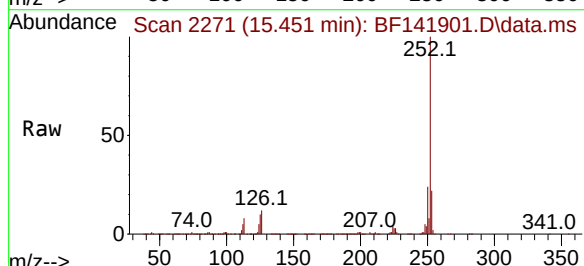
Tgt Ion:252 Resp: 972220

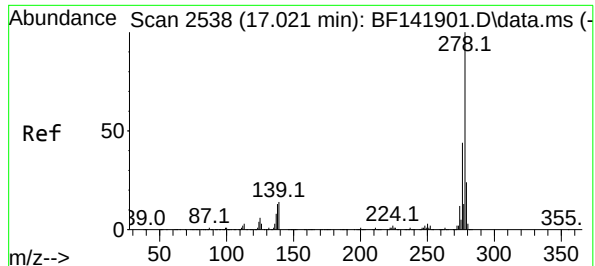
Ion Ratio Lower Upper

252 100

253 21.7 17.4 26.0

125 9.8 7.8 11.8





#91

Dibenzo(a,h)anthracene

Concen: 39.933 ng

RT: 17.021 min Scan# 2538

Delta R.T. 0.000 min

Lab File: BF141901.D

Acq: 10 Mar 2025 12:58

Instrument :

BNA_F

ClientSampleId :

SSTDICCC040

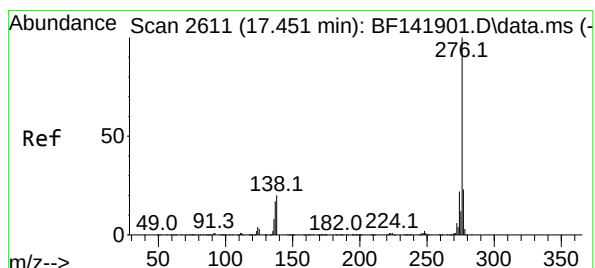
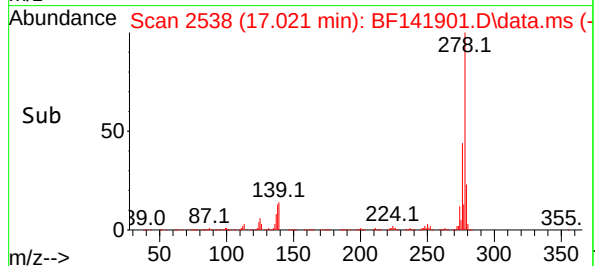
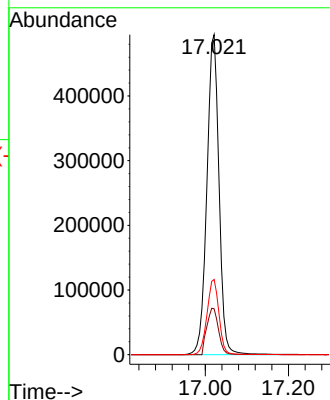
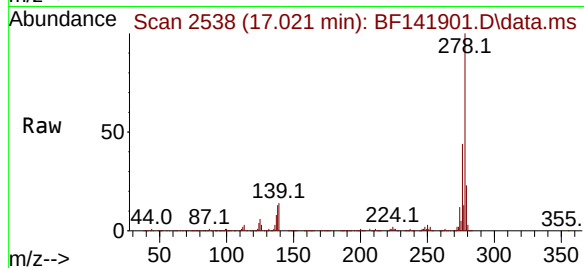
Tgt Ion:278 Resp: 1002747

Ion Ratio Lower Upper

278 100

139 14.3 11.4 17.2

279 23.5 18.8 28.2



#92

Benzo(g,h,i)perylene

Concen: 40.149 ng

RT: 17.451 min Scan# 2611

Delta R.T. 0.000 min

Lab File: BF141901.D

Acq: 10 Mar 2025 12:58

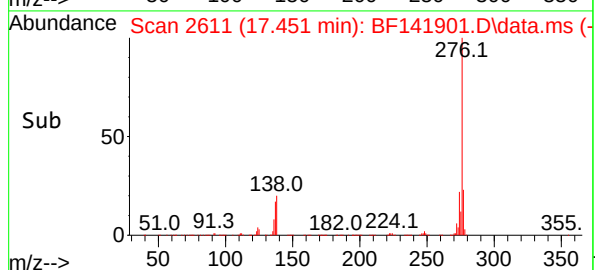
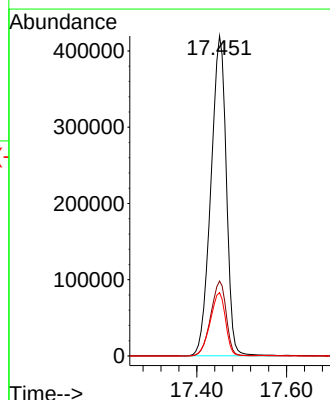
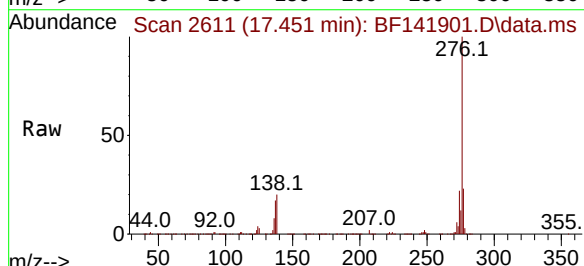
Tgt Ion:276 Resp: 999947

Ion Ratio Lower Upper

276 100

277 23.4 18.7 28.1

138 19.8 15.8 23.8



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF031025\
 Data File : BF141903.D
 Acq On : 10 Mar 2025 13:57
 Operator : RC/JU
 Sample : SSTDICC060
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SSTDICC060

Quant Time: Mar 10 15:37:05 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF031025.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Mar 10 15:01:52 2025
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.881	152	216861	20.000	ng	0.00
21) Naphthalene-d8	8.169	136	872222	20.000	ng	0.00
39) Acenaphthene-d10	9.922	164	497194	20.000	ng	0.00
64) Phenanthrene-d10	11.404	188	827202	20.000	ng	0.00
76) Chrysene-d12	14.045	240	468454	20.000	ng	0.00
86) Perylene-d12	15.509	264	407346	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.498	112	1490872	114.705	ng	0.00
7) Phenol-d6	6.510	99	1913610	115.601	ng	0.00
23) Nitrobenzene-d5	7.451	82	1899726	122.074	ng	0.00
42) 2,4,6-Tribromophenol	10.710	330	791365	125.609	ng	0.00
45) 2-Fluorobiphenyl	9.239	172	3716590	113.827	ng	0.00
79) Terphenyl-d14	12.992	244	3982780	125.675	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	2.669	88	325927	59.832	ng	99
3) Pyridine	3.440	79	786537	58.753	ng	99
4) n-Nitrosodimethylamine	3.404	42	386646	60.759	ng	100
6) Aniline	6.551	93	933875	57.146	ng	99
8) 2-Chlorophenol	6.669	128	835549	58.000	ng	97
9) Benzaldehyde	6.434	77	465511	50.311	ng	100
10) Phenol	6.528	94	996848	57.074	ng	95
11) bis(2-Chloroethyl)ether	6.622	93	765071	58.464	ng	99
12) 1,3-Dichlorobenzene	6.828	146	911340	58.540	ng	99
13) 1,4-Dichlorobenzene	6.904	146	923545	58.635	ng	99
14) 1,2-Dichlorobenzene	7.057	146	873604	58.898	ng	99
15) Benzyl Alcohol	7.028	79	810347	60.480	ng	99
16) 2,2'-oxybis(1-Chloropr...	7.157	45	957808	60.730	ng	99
17) 2-Methylphenol	7.134	107	701676	61.285	ng	99
18) Hexachloroethane	7.398	117	364561	61.734	ng	96
19) n-Nitroso-di-n-propyla...	7.304	70	644501	60.576	ng	99
20) 3+4-Methylphenols	7.292	107	868157	59.116	ng	# 81
22) Acetophenone	7.298	105	1226859	58.635	ng	97
24) Nitrobenzene	7.469	77	939508	60.889	ng	100
25) Isophorone	7.710	82	1695749	61.720	ng	100
26) 2-Nitrophenol	7.781	139	491301	64.978	ng	98
27) 2,4-Dimethylphenol	7.816	122	639505	61.408	ng	99
28) bis(2-Chloroethoxy)met...	7.916	93	1039951	60.422	ng	99
29) 2,4-Dichlorophenol	8.022	162	791904	61.272	ng	99
30) 1,2,4-Trichlorobenzene	8.104	180	870403	61.044	ng	99
31) Naphthalene	8.186	128	2545181	56.961	ng	99
32) Benzoic acid	7.951	122	634105	69.664	ng	99
33) 4-Chloroaniline	8.233	127	920015	58.348	ng	99
34) Hexachlorobutadiene	8.304	225	559955	60.397	ng	99
35) Caprolactam	8.628	113	235861	60.015	ng	95
36) 4-Chloro-3-methylphenol	8.716	107	874022	60.807	ng	98
37) 2-Methylnaphthalene	8.875	142	1744374	58.187	ng	99
38) 1-Methylnaphthalene	8.975	142	1692113	58.285	ng	99
40) 1,2,4,5-Tetrachloroben...	9.045	216	903928	59.627	ng	99
41) Hexachlorocyclopentadiene	9.028	237	375919	62.842	ng	100
43) 2,4,6-Trichlorophenol	9.151	196	597686	60.479	ng	99

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF031025\
 Data File : BF141903.D
 Acq On : 10 Mar 2025 13:57
 Operator : RC/JU
 Sample : SSTDICC060
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SSTDICC060

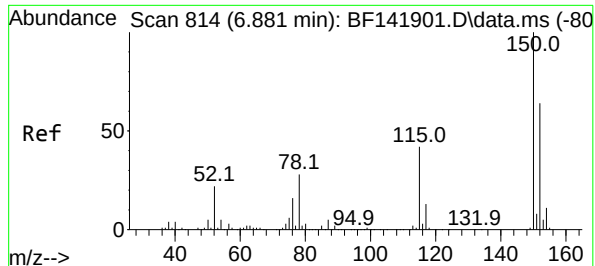
Quant Time: Mar 10 15:37:05 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF031025.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Mar 10 15:01:52 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.192	196	618930	61.642	ng	99
46) 1,1'-Biphenyl	9.345	154	2134829	56.634	ng	99
47) 2-Chloronaphthalene	9.369	162	1625973	57.879	ng	100
48) 2-Nitroaniline	9.463	65	495229	61.368	ng	99
49) Acenaphthylene	9.786	152	2379216	57.125	ng	99
50) Dimethylphthalate	9.651	163	2006480	58.083	ng	100
51) 2,6-Dinitrotoluene	9.704	165	441383	61.441	ng	99
52) Acenaphthene	9.957	154	1737049	59.065	ng	99
53) 3-Nitroaniline	9.875	138	449553	60.945	ng	100
54) 2,4-Dinitrophenol	9.975	184	240530	60.329	ng	# 74
55) Dibenzofuran	10.127	168	2380973	56.781	ng	100
56) 4-Nitrophenol	10.027	139	343657	62.021	ng	98
57) 2,4-Dinitrotoluene	10.110	165	571731	60.461	ng	98
58) Fluorene	10.469	166	1840654	56.859	ng	100
59) 2,3,4,6-Tetrachlorophenol	10.239	232	546621	60.002	ng	100
60) Diethylphthalate	10.345	149	1995827	57.552	ng	99
61) 4-Chlorophenyl-phenyle...	10.463	204	977819	57.993	ng	97
62) 4-Nitroaniline	10.492	138	426741	59.702	ng	100
63) Azobenzene	10.622	77	1829282	56.784	ng	98
65) 4,6-Dinitro-2-methylph...	10.516	198	330315	67.356	ng	98
66) n-Nitrosodiphenylamine	10.580	169	1583832	59.270	ng	100
67) 4-Bromophenyl-phenylether	10.951	248	608246	59.044	ng	98
68) Hexachlorobenzene	11.016	284	673465	59.144	ng	97
70) Pentachlorophenol	11.204	266	462709	65.893	ng	100
71) Phenanthrene	11.433	178	2560092	57.232	ng	100
72) Anthracene	11.486	178	2570717	57.281	ng	100
73) Carbazole	11.633	167	2213331	57.284	ng	99
74) Di-n-butylphthalate	11.963	149	2916048	57.161	ng	99
75) Fluoranthene	12.616	202	2628993	55.984	ng	99
77) Benzidine	12.733	184	386007	58.309	ng	99
78) Pyrene	12.845	202	2562337	63.781	ng	99
80) Butylbenzylphthalate	13.463	149	1008043	63.676	ng	100
81) Benzo(a)anthracene	14.033	228	1850347	60.040	ng	100
82) 3,3'-Dichlorobenzidine	13.992	252	553078	62.091	ng	100
83) Chrysene	14.068	228	1705257	61.596	ng	99
84) Bis(2-ethylhexyl)phtha...	14.021	149	1337474	61.582	ng	99
85) Di-n-octyl phthalate	14.633	149	1953184	64.613	ng	99
87) Indeno(1,2,3-cd)pyrene	17.009	276	1799372	68.115	ng	100
88) Benzo(b)fluoranthene	15.080	252	1698744	61.481	ng	99
89) Benzo(k)fluoranthene	15.115	252	1478389	61.253	ng	100
90) Benzo(a)pyrene	15.451	252	1323726	60.747	ng	99
91) Dibenzo(a,h)anthracene	17.027	278	1459934	66.981	ng	99
92) Benzo(g,h,i)perylene	17.462	276	1425582	65.942	ng	99

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

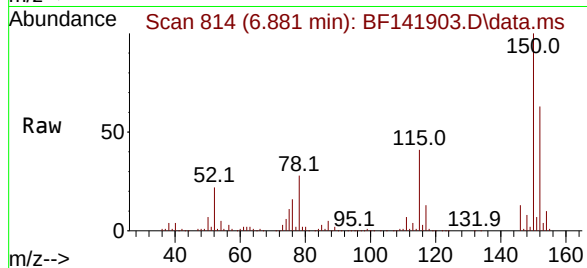
Instrument :
BNA_F
ClientSampleId :
SSTDICC060

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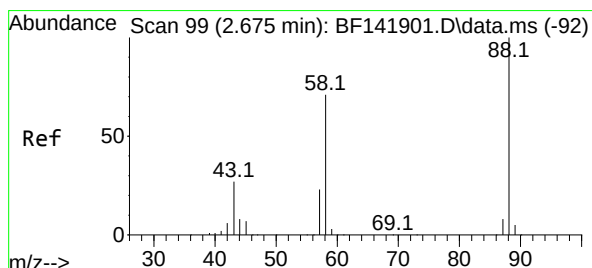
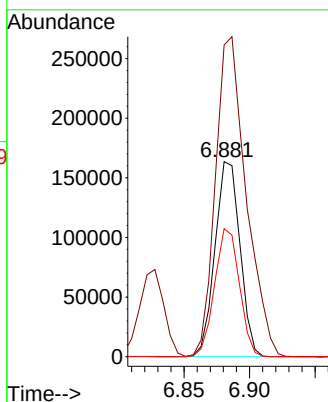
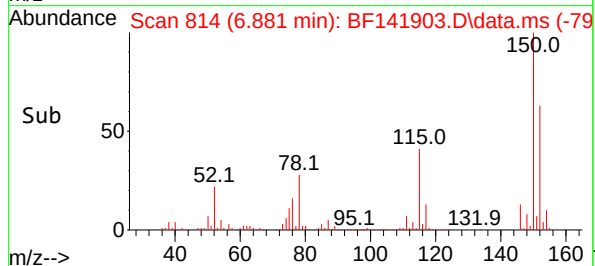


#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.881 min Scan# 814
Delta R.T. -0.000 min
Lab File: BF141903.D
Acq: 10 Mar 2025 13:57

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

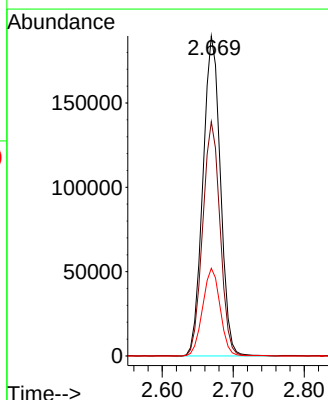
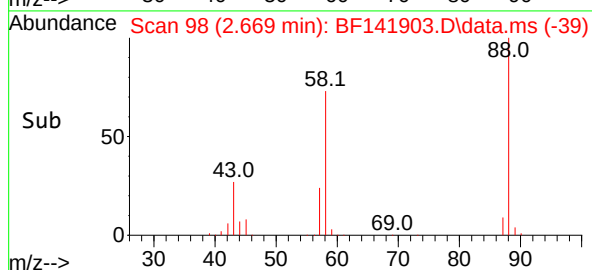
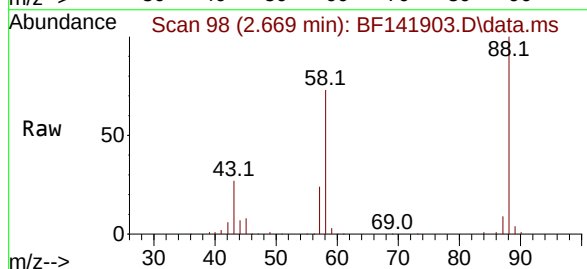


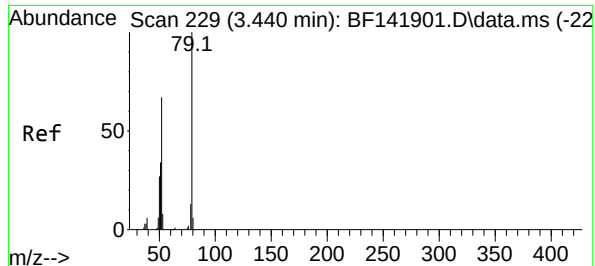
Tgt Ion:152 Resp: 216861
Ion Ratio Lower Upper
152 100
150 159.8 127.4 191.2
115 65.7 51.9 77.9



#2
1,4-Dioxane
Concen: 59.832 ng
RT: 2.669 min Scan# 98
Delta R.T. -0.006 min
Lab File: BF141903.D
Acq: 10 Mar 2025 13:57

Tgt Ion: 88 Resp: 325927
Ion Ratio Lower Upper
88 100
58 72.5 57.4 86.2
43 27.4 21.5 32.3





#3

Pyridine

Concen: 58.753 ng

RT: 3.440 min Scan# 21

Delta R.T. 0.000 min

Lab File: BF141903.D

Acq: 10 Mar 2025 13:57

Instrument :

BNA_F

ClientSampleId :

SSTDICC060

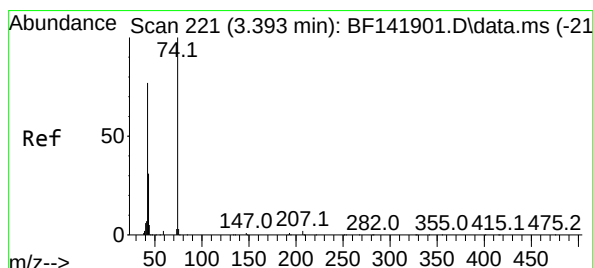
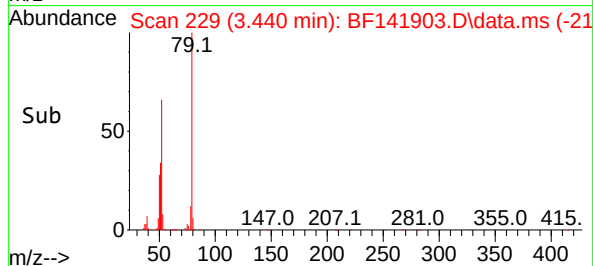
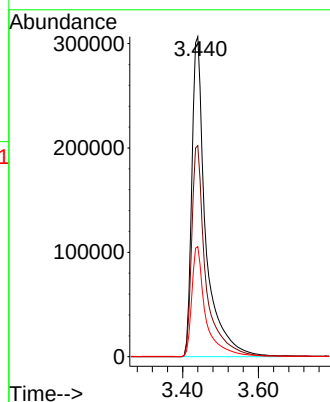
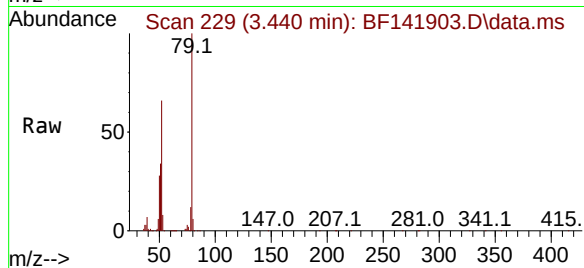
Tgt Ion: 79 Resp: 786537

Ion Ratio Lower Upper

79 100

52 65.9 53.3 79.9

51 34.4 27.6 41.4



#4

n-Nitrosodimethylamine

Concen: 60.759 ng

RT: 3.404 min Scan# 223

Delta R.T. 0.012 min

Lab File: BF141903.D

Acq: 10 Mar 2025 13:57

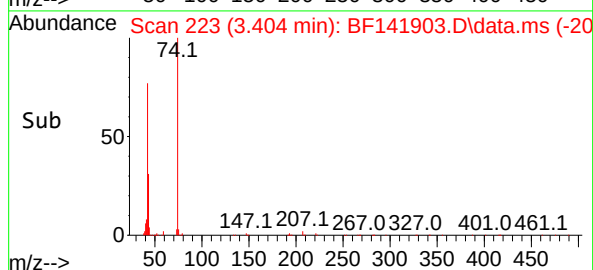
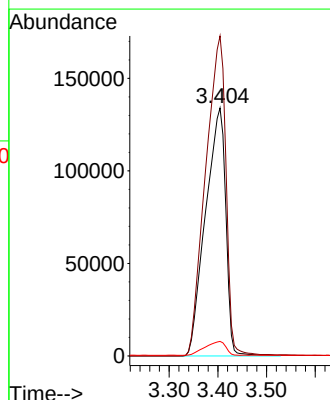
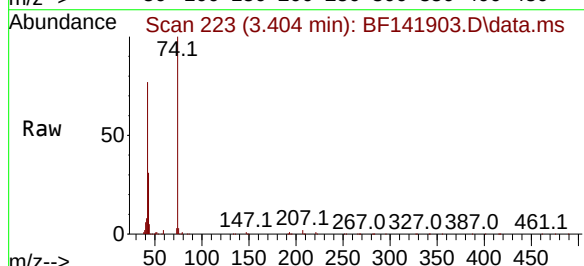
Tgt Ion: 42 Resp: 386646

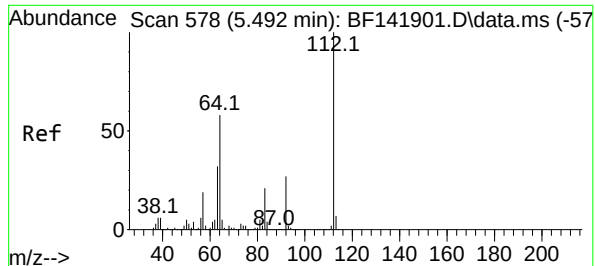
Ion Ratio Lower Upper

42 100

74 129.0 103.4 155.0

44 5.8 5.0 7.4

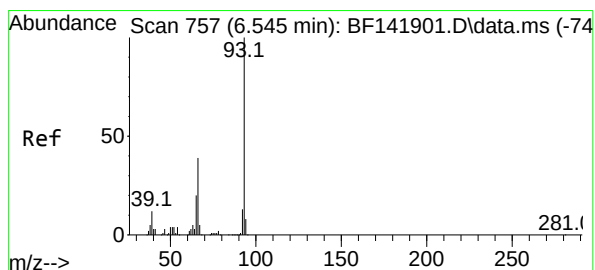
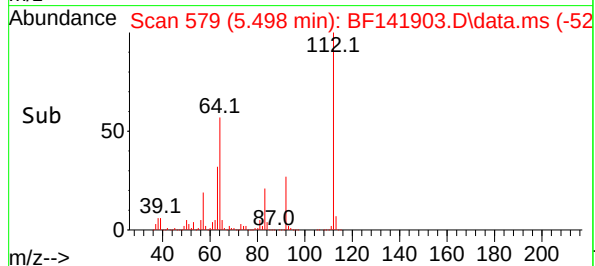
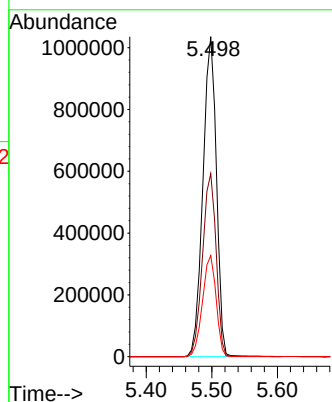
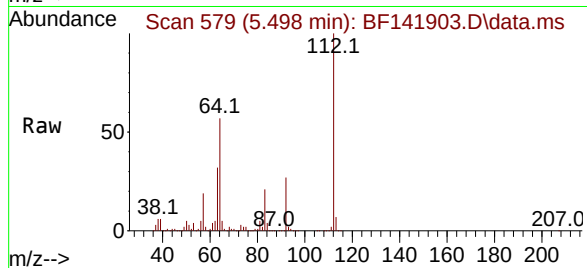




#5
2-Fluorophenol
Concen: 114.705 ng
RT: 5.498 min Scan# 51
Delta R.T. 0.006 min
Lab File: BF141903.D
Acq: 10 Mar 2025 13:57

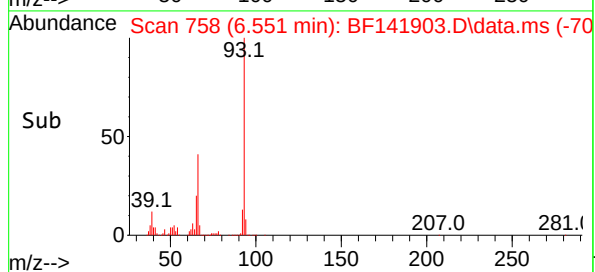
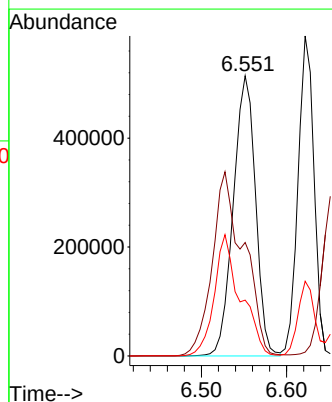
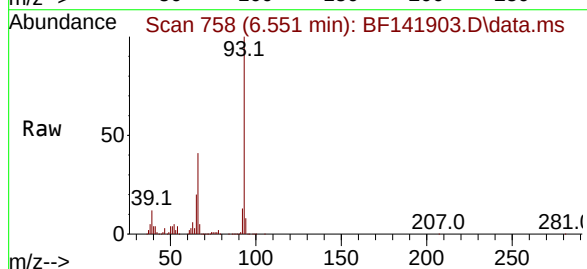
Instrument :
BNA_F
ClientSampleId :
SSTDICC060

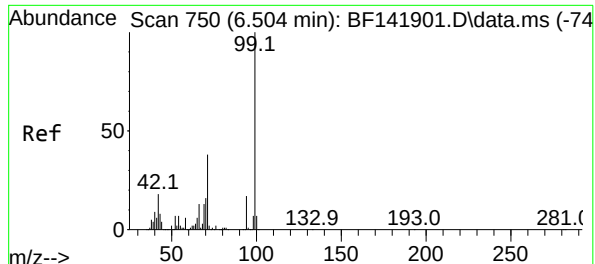
Tgt Ion:112 Resp: 1490872
Ion Ratio Lower Upper
112 100
64 57.2 46.5 69.7
63 31.6 25.4 38.2



#6
Aniline
Concen: 57.146 ng
RT: 6.551 min Scan# 758
Delta R.T. 0.006 min
Lab File: BF141903.D
Acq: 10 Mar 2025 13:57

Tgt Ion: 93 Resp: 933875
Ion Ratio Lower Upper
93 100
66 40.5 31.9 47.9
65 19.9 15.8 23.6





#7

Phenol-d6

Concen: 115.601 ng

RT: 6.510 min Scan# 751

Delta R.T. 0.006 min

Lab File: BF141903.D

Acq: 10 Mar 2025 13:57

Instrument :

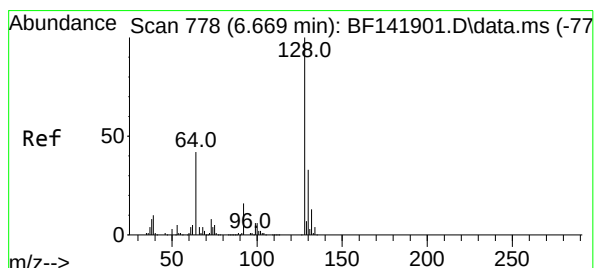
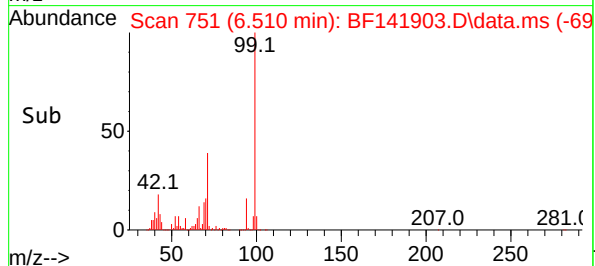
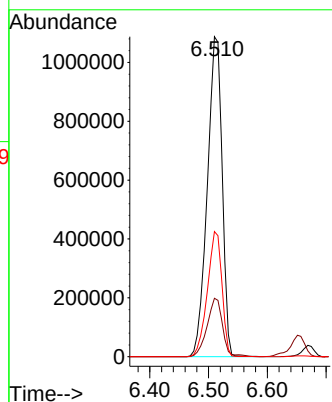
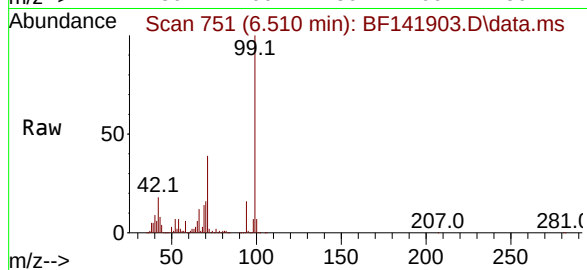
BNA_F

ClientSampleId :

SSTDICC060

Tgt Ion: 99 Resp: 1913610

Ion	Ratio	Lower	Upper
99	100		
42	18.2	14.6	21.8
71	39.1	30.8	46.2



#8

2-Chlorophenol

Concen: 58.000 ng

RT: 6.669 min Scan# 778

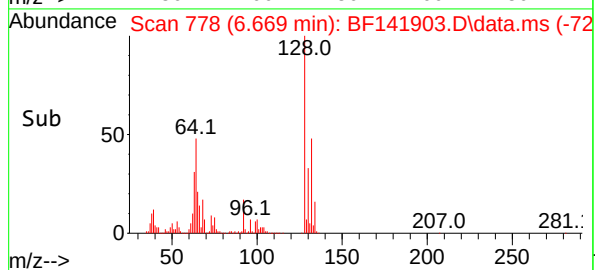
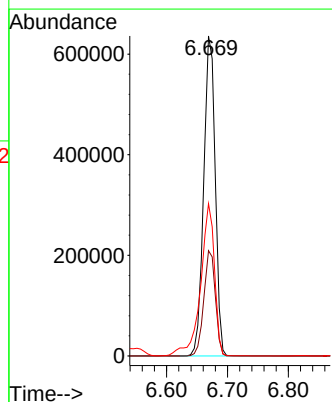
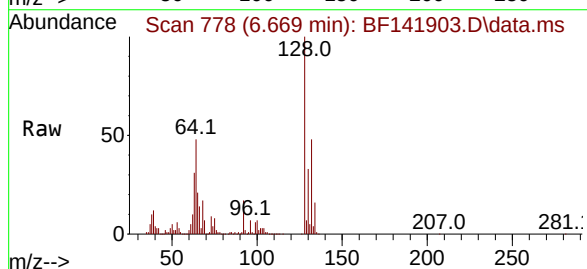
Delta R.T. 0.000 min

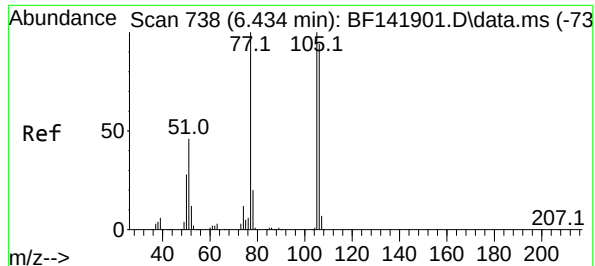
Lab File: BF141903.D

Acq: 10 Mar 2025 13:57

Tgt Ion:128 Resp: 835549

Ion	Ratio	Lower	Upper
128	100		
130	32.9	12.8	52.8
64	47.6	24.4	64.4





#9

Benzaldehyde

Concen: 50.311 ng

RT: 6.434 min Scan# 738

Delta R.T. -0.000 min

Lab File: BF141903.D

Acq: 10 Mar 2025 13:57

Instrument :

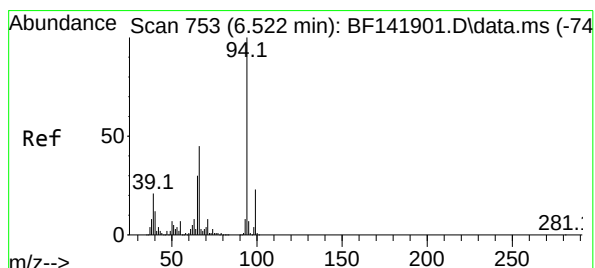
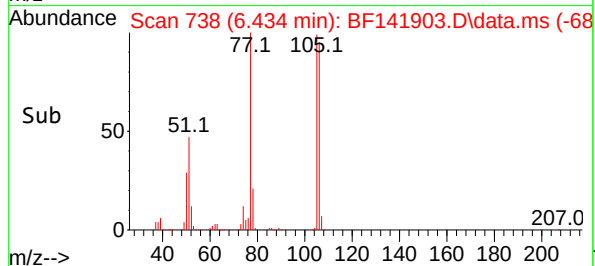
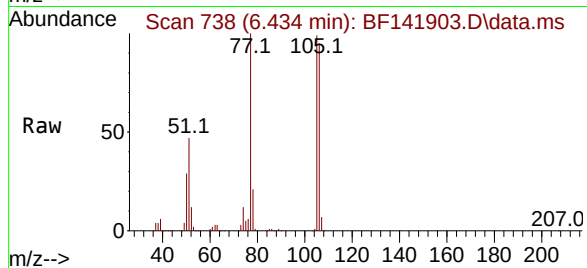
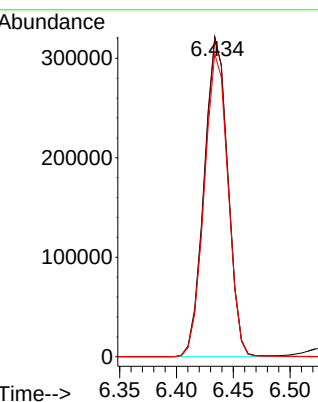
BNA_F

ClientSampleId :

SSTDICC060

Tgt Ion: 77 Resp: 465511

Ion	Ratio	Lower	Upper
77	100		
105	99.3	80.0	120.0
106	94.7	74.5	114.5



#10

Phenol

Concen: 57.074 ng

RT: 6.528 min Scan# 754

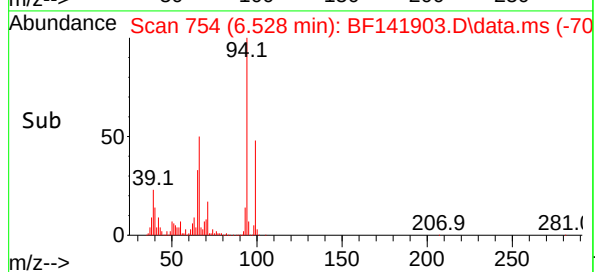
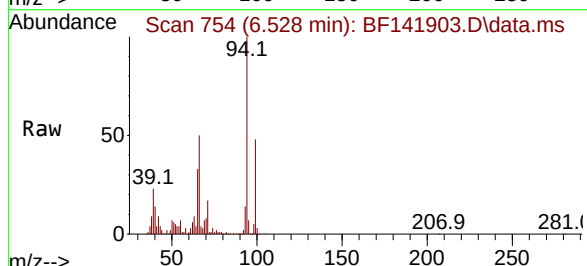
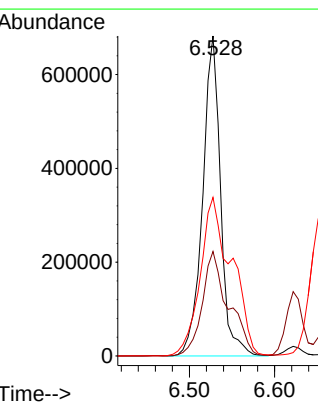
Delta R.T. 0.006 min

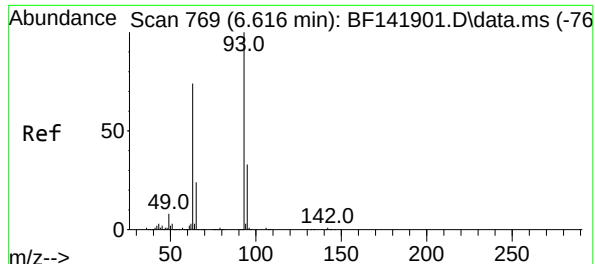
Lab File: BF141903.D

Acq: 10 Mar 2025 13:57

Tgt Ion: 94 Resp: 996848

Ion	Ratio	Lower	Upper
94	100		
65	32.6	10.5	50.5
66	49.5	25.8	65.8





#11

bis(2-Chloroethyl)ether

Concen: 58.464 ng

RT: 6.622 min Scan# 71

Delta R.T. 0.006 min

Lab File: BF141903.D

Acq: 10 Mar 2025 13:57

Instrument :

BNA_F

ClientSampleId :

SSTDICC060

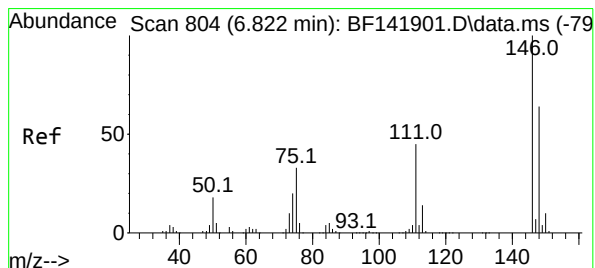
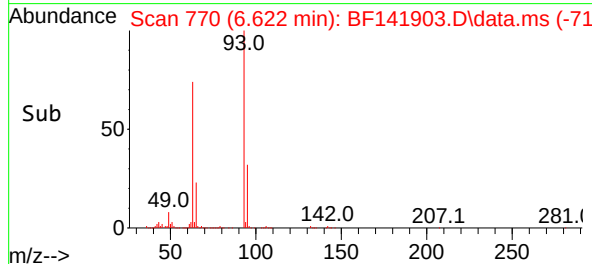
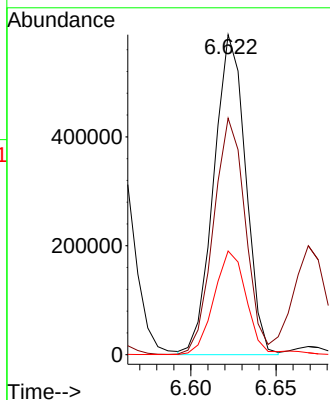
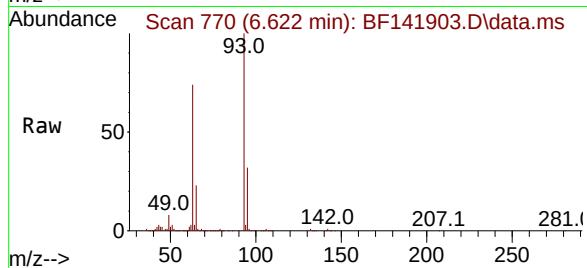
Tgt Ion: 93 Resp: 765071

Ion Ratio Lower Upper

93 100

63 73.9 53.0 93.0

95 32.4 12.9 52.9



#12

1,3-Dichlorobenzene

Concen: 58.540 ng

RT: 6.828 min Scan# 805

Delta R.T. 0.006 min

Lab File: BF141903.D

Acq: 10 Mar 2025 13:57

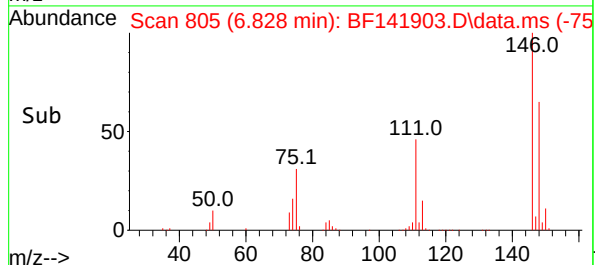
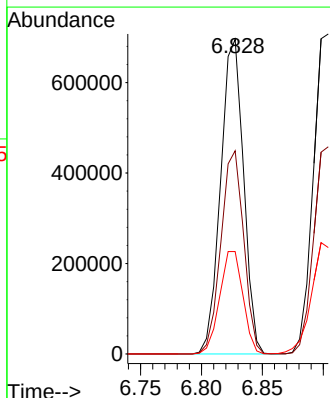
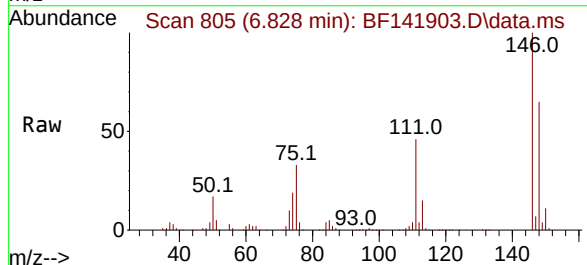
Tgt Ion:146 Resp: 911340

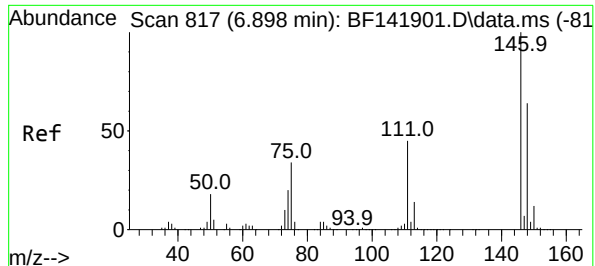
Ion Ratio Lower Upper

146 100

148 64.6 51.3 76.9

75 32.6 26.6 40.0





#13

1,4-Dichlorobenzene

Concen: 58.635 ng

RT: 6.904 min Scan# 81

Delta R.T. 0.006 min

Lab File: BF141903.D

Acq: 10 Mar 2025 13:57

Instrument :

BNA_F

ClientSampleId :

SSTDICC060

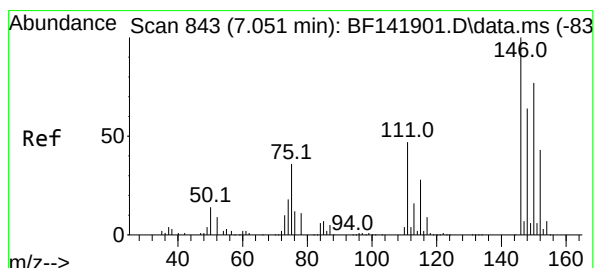
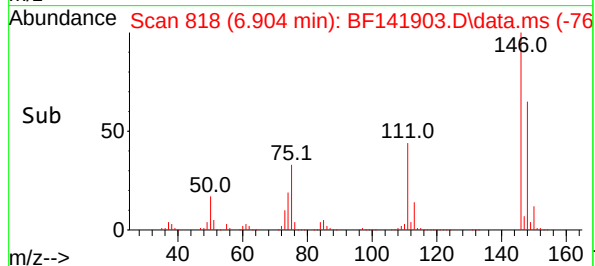
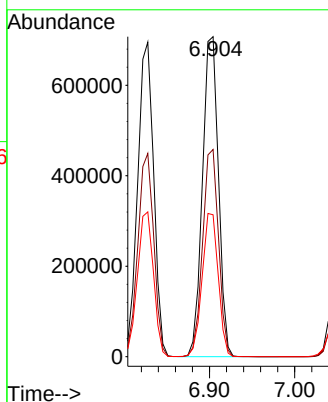
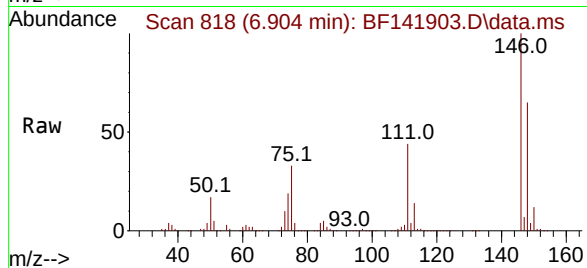
Tgt Ion:146 Resp: 923545

Ion Ratio Lower Upper

146 100

148 64.7 51.0 76.6

111 44.4 35.7 53.5



#14

1,2-Dichlorobenzene

Concen: 58.898 ng

RT: 7.057 min Scan# 844

Delta R.T. 0.006 min

Lab File: BF141903.D

Acq: 10 Mar 2025 13:57

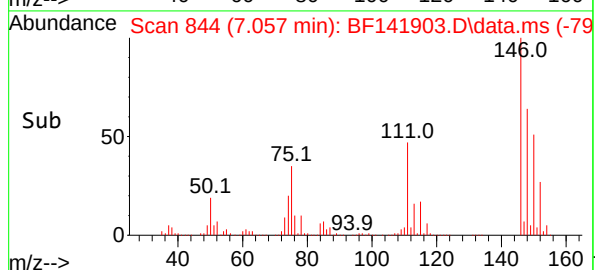
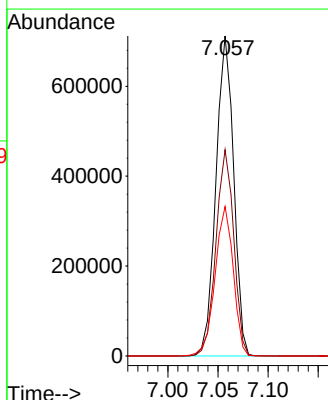
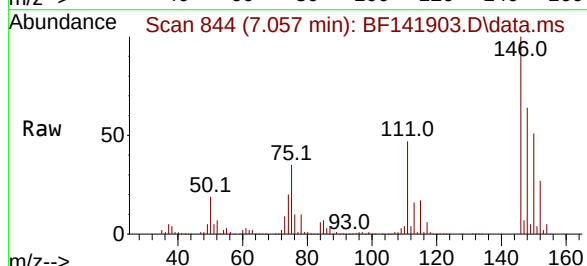
Tgt Ion:146 Resp: 873604

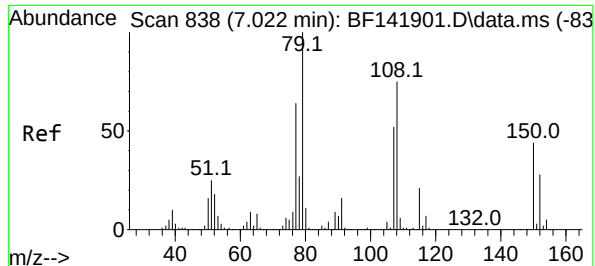
Ion Ratio Lower Upper

146 100

148 64.4 50.8 76.2

111 46.7 38.0 57.0





#15

Benzyl Alcohol

Concen: 60.480 ng

RT: 7.028 min Scan# 81

Delta R.T. 0.006 min

Lab File: BF141903.D

Acq: 10 Mar 2025 13:57

Instrument :

BNA_F

ClientSampleId :

SSTDICC060

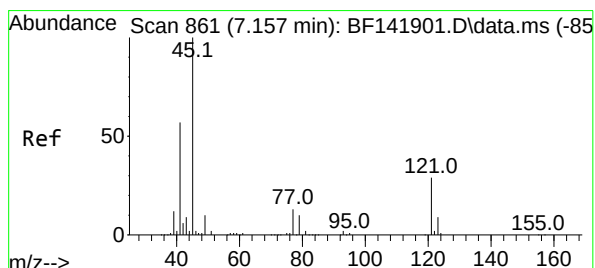
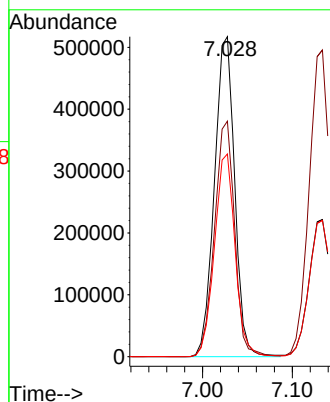
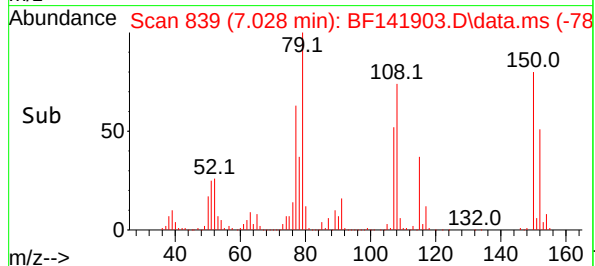
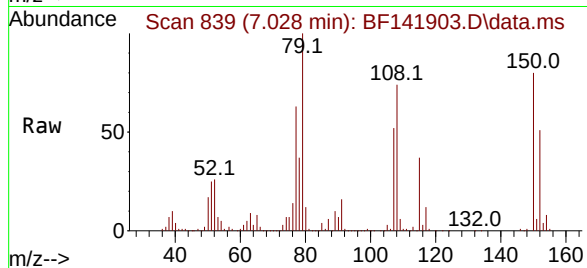
Tgt Ion: 79 Resp: 810347

Ion Ratio Lower Upper

79 100

108 73.6 59.7 89.5

77 63.4 51.0 76.6



#16

2,2'-oxybis(1-Chloropropane)

Concen: 60.730 ng

RT: 7.157 min Scan# 861

Delta R.T. 0.000 min

Lab File: BF141903.D

Acq: 10 Mar 2025 13:57

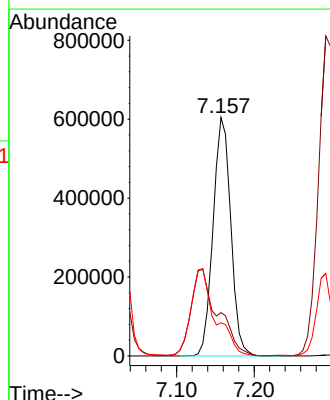
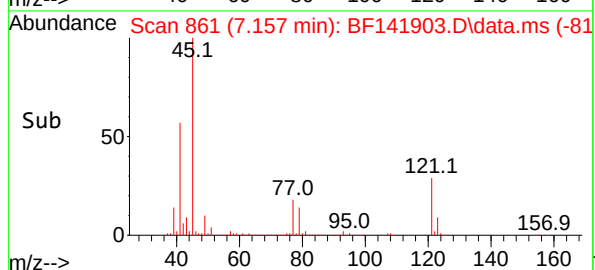
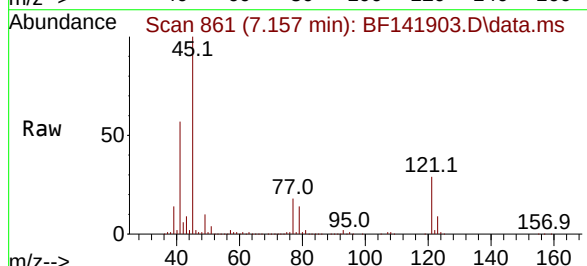
Tgt Ion: 45 Resp: 957808

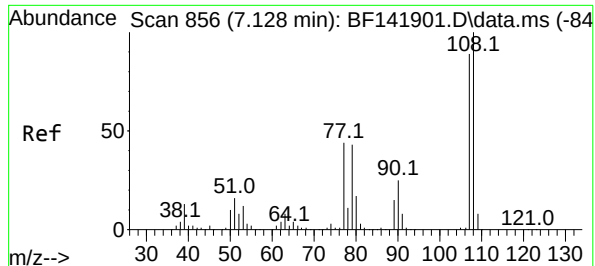
Ion Ratio Lower Upper

45 100

77 18.2 0.0 37.8

79 13.9 0.0 34.2

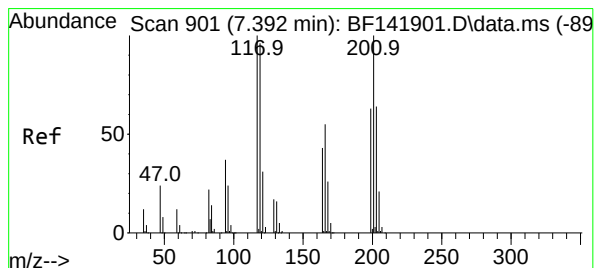
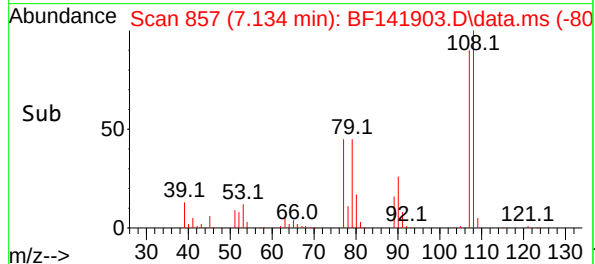
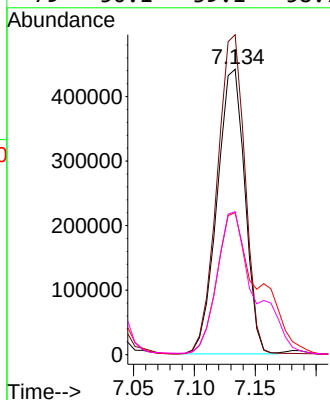
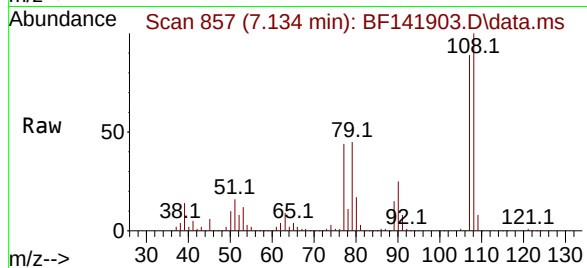




#17
2-Methylphenol
Concen: 61.285 ng
RT: 7.134 min Scan# 856
Delta R.T. 0.006 min
Lab File: BF141903.D
Acq: 10 Mar 2025 13:57

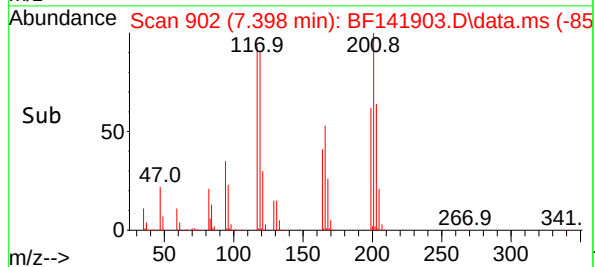
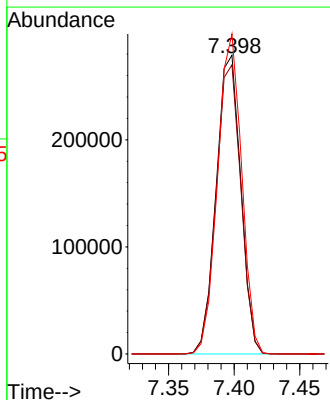
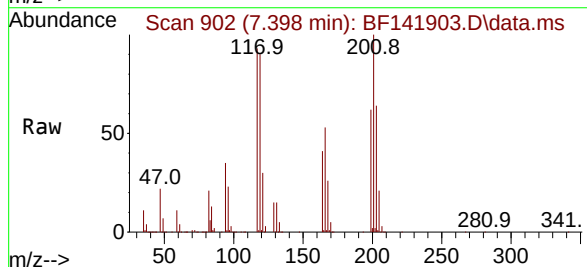
Instrument :
BNA_F
ClientSampleId :
SSTDICC060

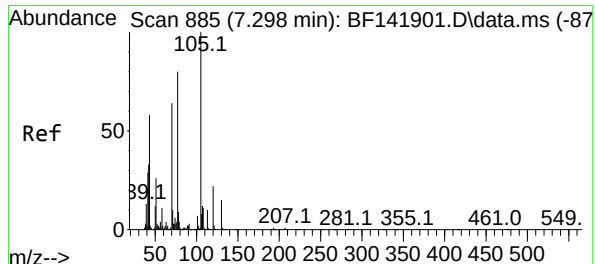
Tgt Ion:107 Resp: 701676
Ion Ratio Lower Upper
107 100
108 112.1 90.2 135.2
77 49.8 39.6 59.4
79 50.1 39.1 58.7



#18
Hexachloroethane
Concen: 61.734 ng
RT: 7.398 min Scan# 902
Delta R.T. 0.006 min
Lab File: BF141903.D
Acq: 10 Mar 2025 13:57

Tgt Ion:117 Resp: 364561
Ion Ratio Lower Upper
117 100
119 96.8 76.9 115.3
201 107.1 79.9 119.9





#19

n-Nitroso-di-n-propylamine

Concen: 60.576 ng

RT: 7.304 min Scan# 81

Delta R.T. 0.006 min

Lab File: BF141903.D

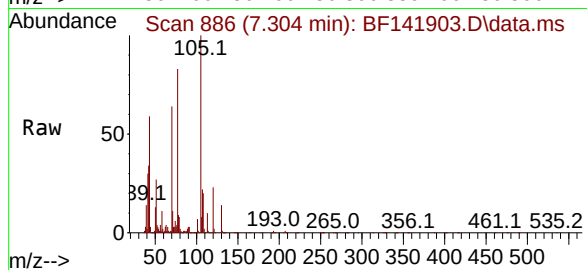
Acq: 10 Mar 2025 13:57

Instrument :

BNA_F

ClientSampleId :

SSTDICC060



Tgt Ion: 70 Resp: 644501

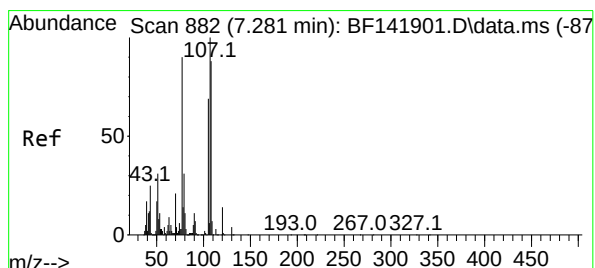
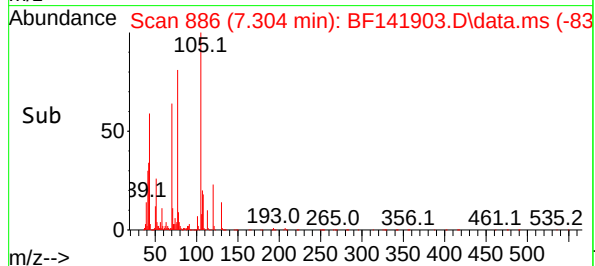
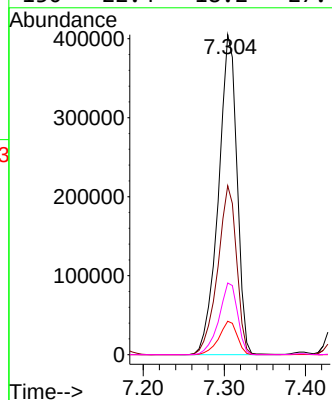
Ion Ratio Lower Upper

70 100

42 52.8 41.4 62.0

101 10.4 8.2 12.2

130 22.4 18.2 27.4



#20

3+4-Methylphenols

Concen: 59.116 ng

RT: 7.292 min Scan# 884

Delta R.T. 0.012 min

Lab File: BF141903.D

Acq: 10 Mar 2025 13:57

Tgt Ion: 107 Resp: 868157

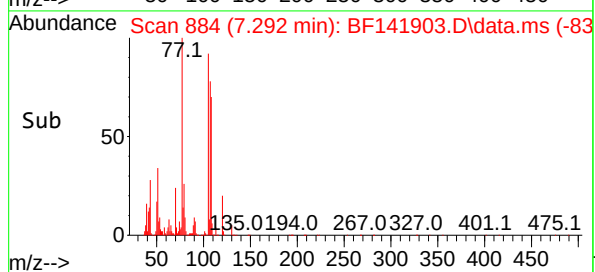
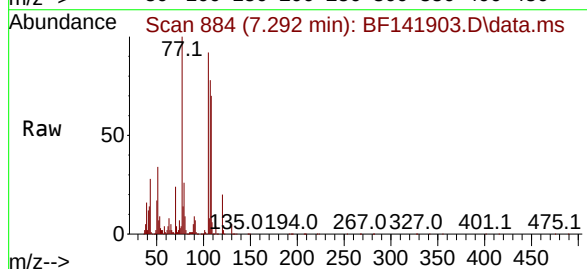
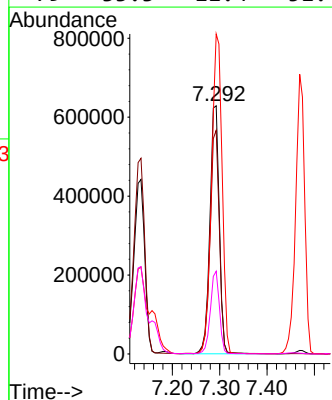
Ion Ratio Lower Upper

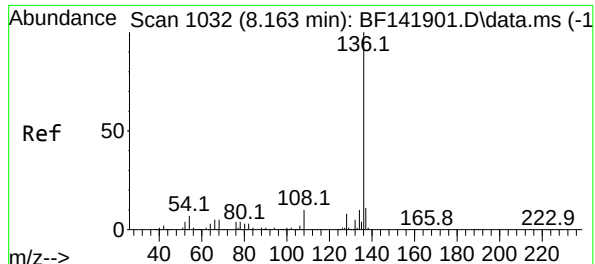
107 100

108 90.1 68.4 108.4

77 128.9 69.7 109.7#

79 33.3 11.4 51.4

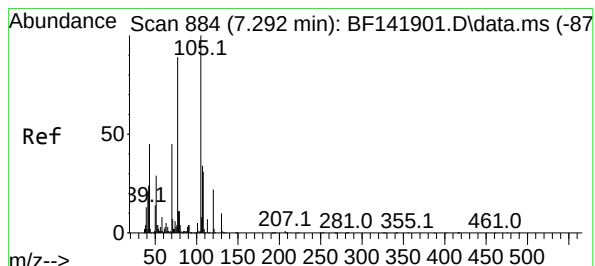
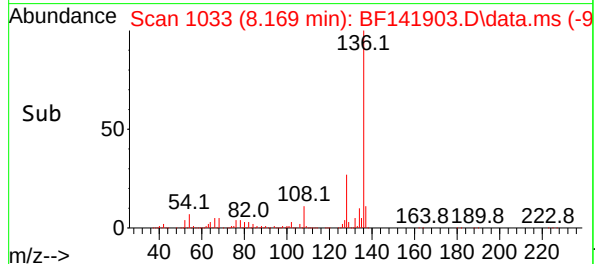
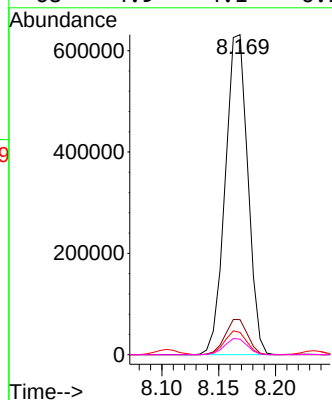
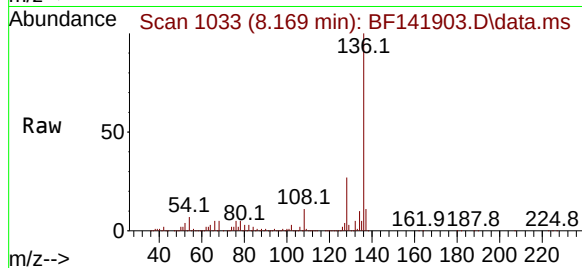




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.169 min Scan# 1032
Delta R.T. 0.006 min
Lab File: BF141903.D
Acq: 10 Mar 2025 13:57

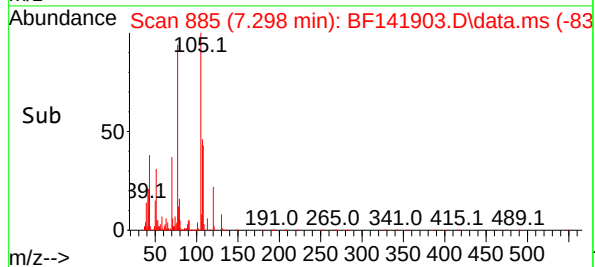
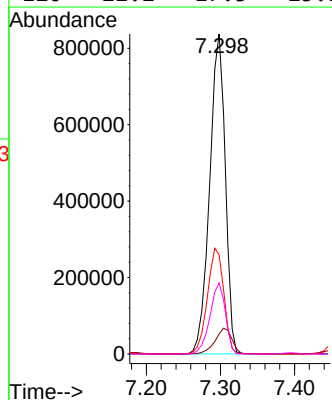
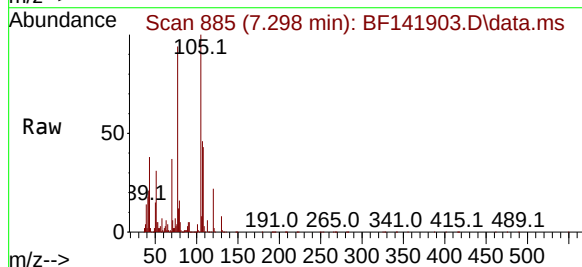
Instrument :
BNA_F
ClientSampleId :
SSTDICC060

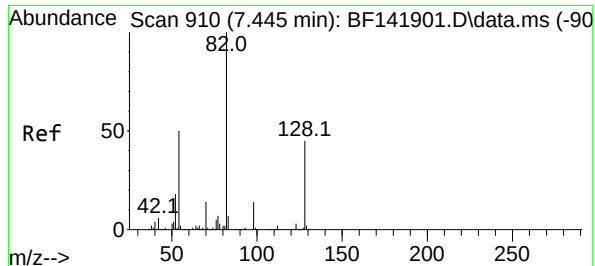
Tgt Ion:136 Resp: 872222
Ion Ratio Lower Upper
136 100
137 10.9 8.8 13.2
54 7.0 5.8 8.8
68 4.9 4.1 6.1



#22
Acetophenone
Concen: 58.635 ng
RT: 7.298 min Scan# 885
Delta R.T. 0.006 min
Lab File: BF141903.D
Acq: 10 Mar 2025 13:57

Tgt Ion:105 Resp: 1226859
Ion Ratio Lower Upper
105 100
71 6.2 5.8 8.8
51 31.1 23.4 35.0
120 22.2 17.3 25.9





#23

Nitrobenzene-d5

Concen: 122.074 ng

RT: 7.451 min Scan# 911

Delta R.T. 0.006 min

Lab File: BF141903.D

Acq: 10 Mar 2025 13:57

Instrument :

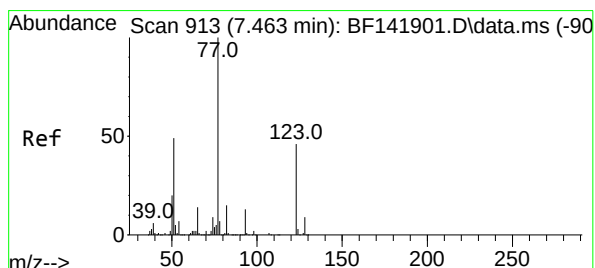
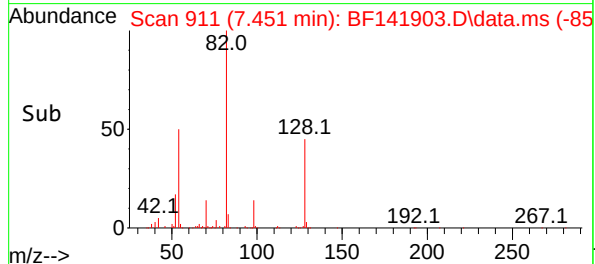
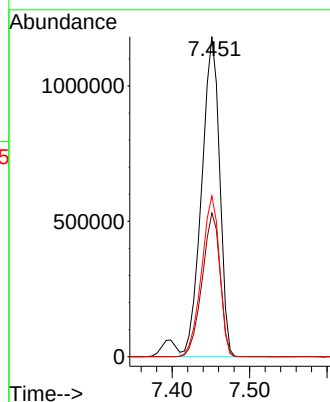
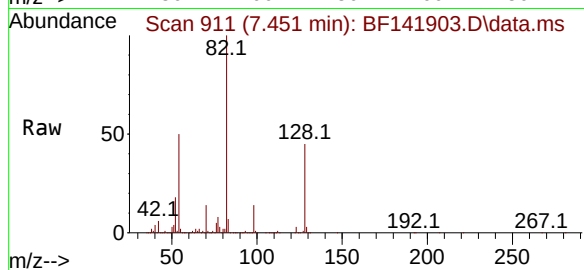
BNA_F

ClientSampleId :

SSTDICC060

Tgt Ion: 82 Resp: 1899726

Ion	Ratio	Lower	Upper
82	100		
128	44.9	36.0	54.0
54	50.3	39.6	59.4



#24

Nitrobenzene

Concen: 60.889 ng

RT: 7.469 min Scan# 914

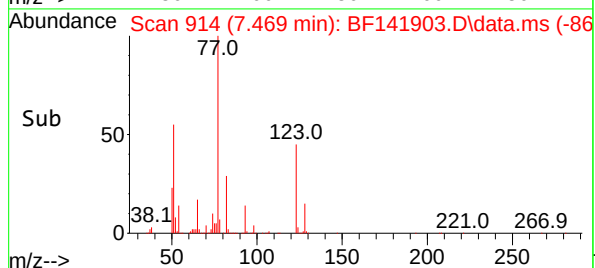
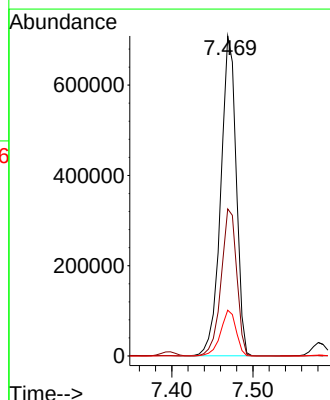
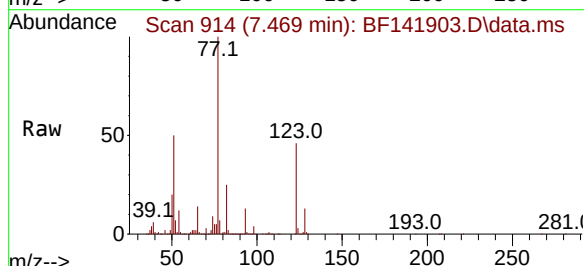
Delta R.T. 0.006 min

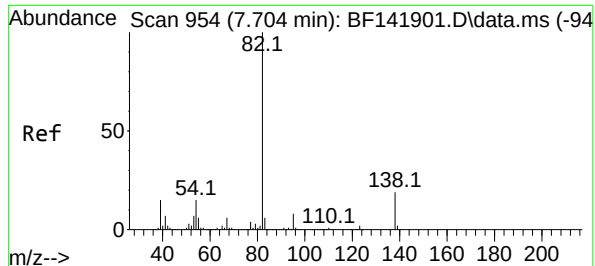
Lab File: BF141903.D

Acq: 10 Mar 2025 13:57

Tgt Ion: 77 Resp: 939508

Ion	Ratio	Lower	Upper
77	100		
123	45.9	37.0	55.4
65	14.3	11.3	16.9

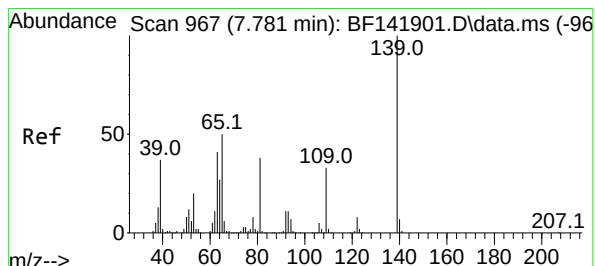
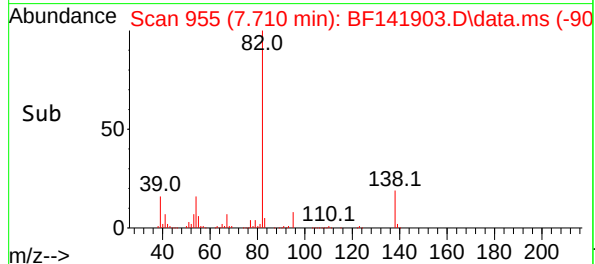
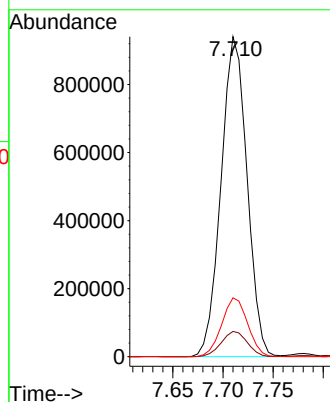
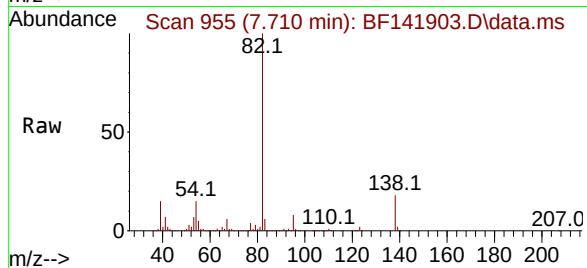




#25
Isophorone
Concen: 61.720 ng
RT: 7.710 min Scan# 955
Delta R.T. 0.006 min
Lab File: BF141903.D
Acq: 10 Mar 2025 13:57

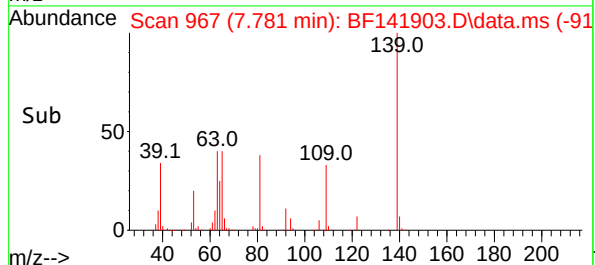
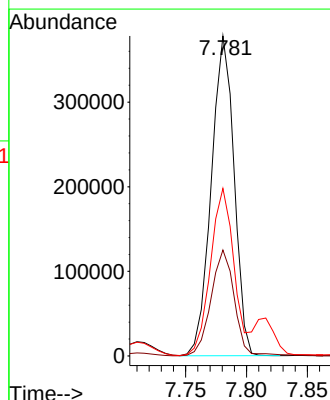
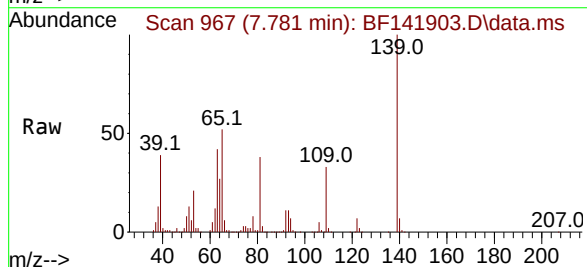
Instrument :
BNA_F
ClientSampleId :
SSTDICC060

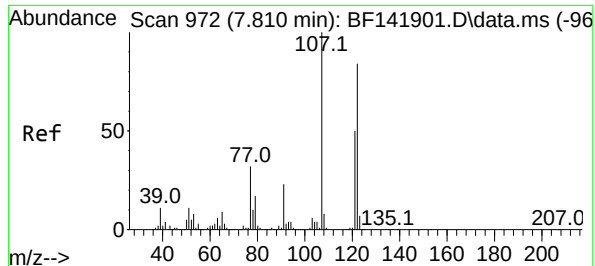
Tgt Ion: 82 Resp: 1695749
Ion Ratio Lower Upper
82 100
95 7.9 6.4 9.6
138 18.4 14.9 22.3



#26
2-Nitrophenol
Concen: 64.978 ng
RT: 7.781 min Scan# 967
Delta R.T. 0.000 min
Lab File: BF141903.D
Acq: 10 Mar 2025 13:57

Tgt Ion: 139 Resp: 491301
Ion Ratio Lower Upper
139 100
109 33.1 26.5 39.7
65 52.3 40.3 60.5





#27

2,4-Dimethylphenol

Concen: 61.408 ng

RT: 7.816 min Scan# 91

Delta R.T. 0.006 min

Lab File: BF141903.D

Acq: 10 Mar 2025 13:57

Instrument :

BNA_F

ClientSampleId :

SSTDICC060

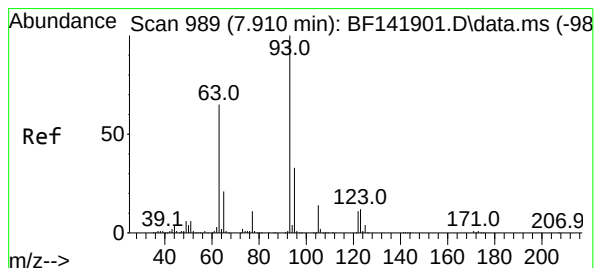
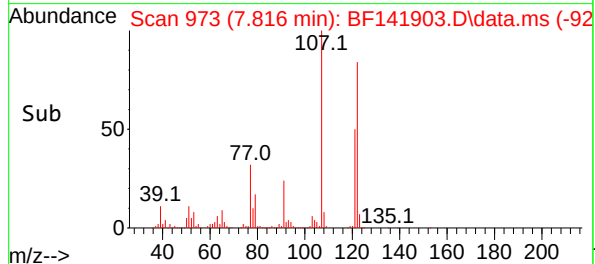
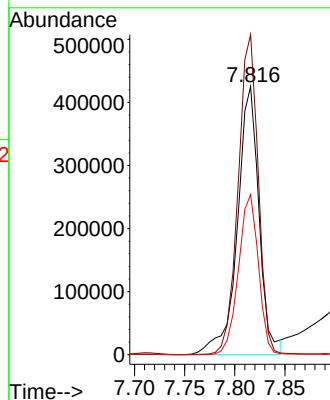
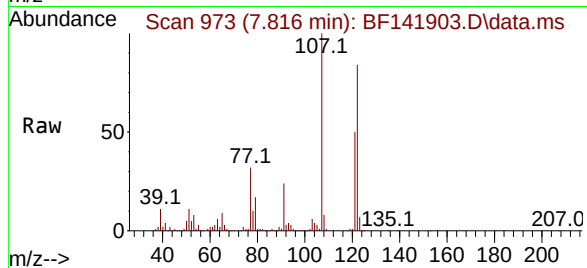
Tgt Ion:122 Resp: 639505

Ion Ratio Lower Upper

122 100

107 119.4 94.8 142.2

121 59.7 47.8 71.6



#28

bis(2-Chloroethoxy)methane

Concen: 60.422 ng

RT: 7.916 min Scan# 990

Delta R.T. 0.006 min

Lab File: BF141903.D

Acq: 10 Mar 2025 13:57

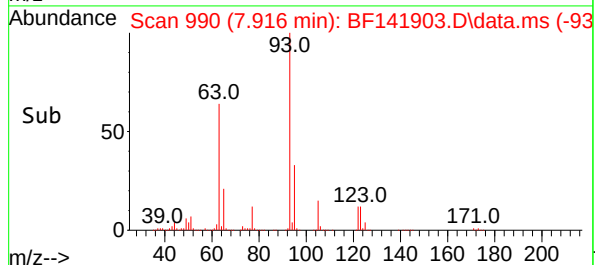
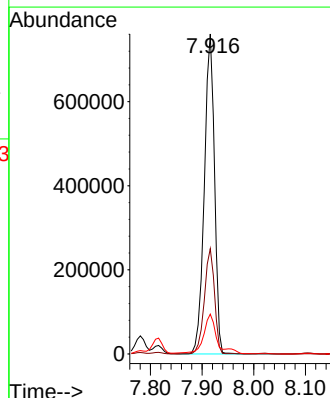
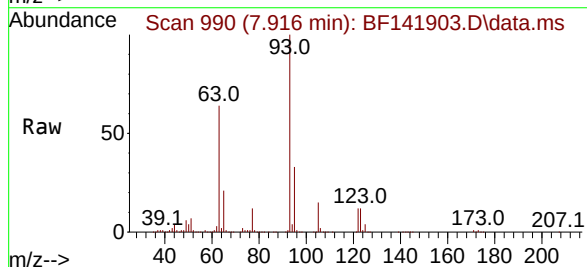
Tgt Ion: 93 Resp: 1039951

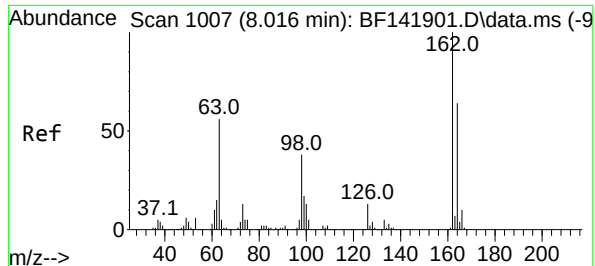
Ion Ratio Lower Upper

93 100

95 32.9 26.6 40.0

123 12.5 10.2 15.4





#29

2,4-Dichlorophenol

Concen: 61.272 ng

RT: 8.022 min Scan# 1008

Delta R.T. 0.006 min

Lab File: BF141903.D

Acq: 10 Mar 2025 13:57

Instrument :

BNA_F

ClientSampleId :

SSTDIC060

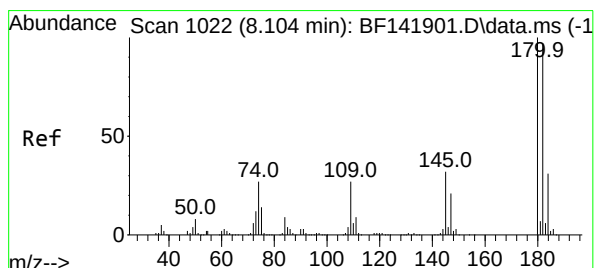
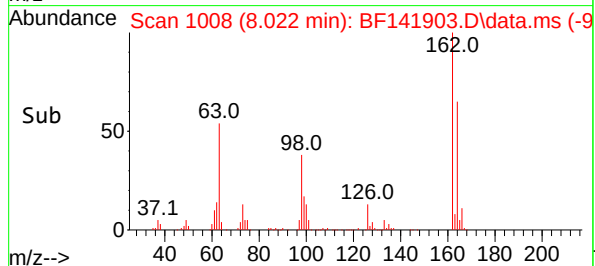
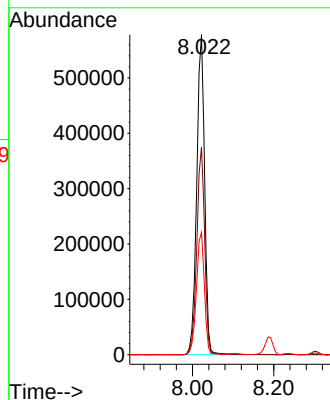
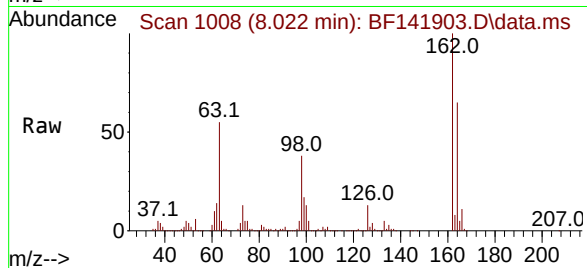
Tgt Ion:162 Resp: 791904

Ion Ratio Lower Upper

162 100

164 64.9 43.8 83.8

98 38.3 18.1 58.1



#30

1,2,4-Trichlorobenzene

Concen: 61.044 ng

RT: 8.104 min Scan# 1022

Delta R.T. 0.000 min

Lab File: BF141903.D

Acq: 10 Mar 2025 13:57

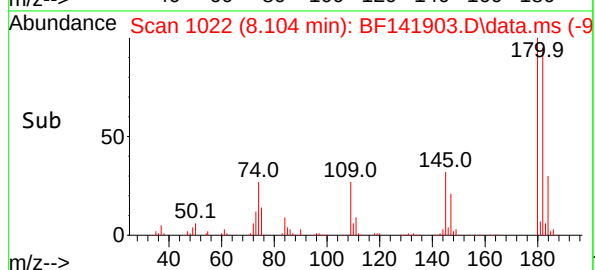
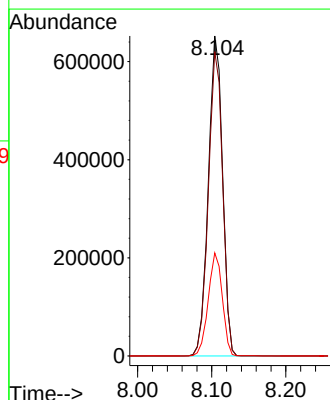
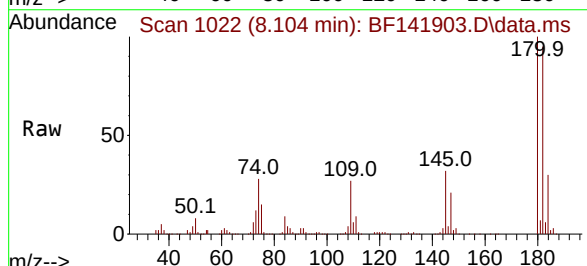
Tgt Ion:180 Resp: 870403

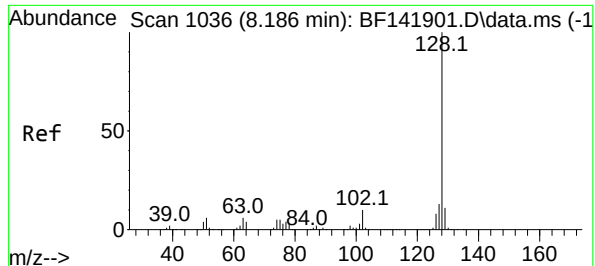
Ion Ratio Lower Upper

180 100

182 95.1 77.5 116.3

145 32.2 25.8 38.6

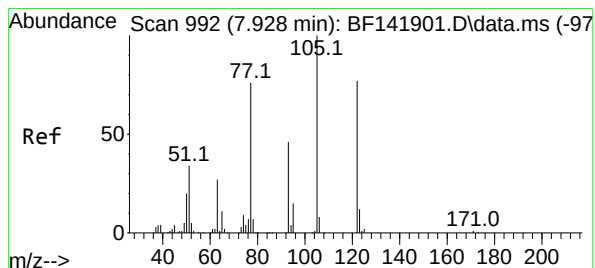
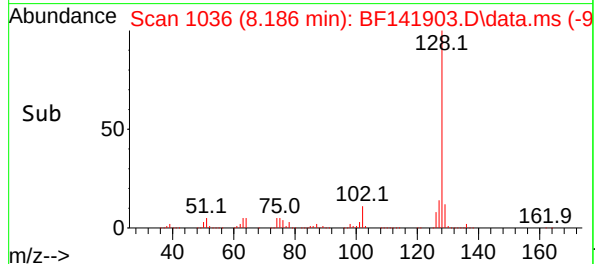
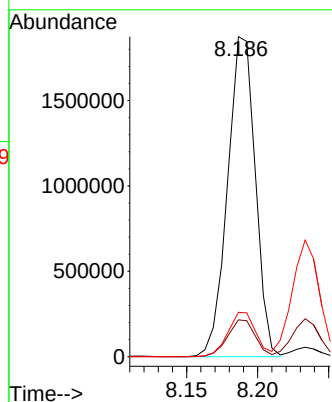
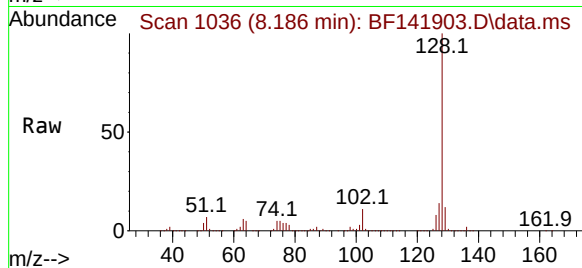




#31
Naphthalene
Concen: 56.961 ng
RT: 8.186 min Scan# 1036
Delta R.T. 0.000 min
Lab File: BF141903.D
Acq: 10 Mar 2025 13:57

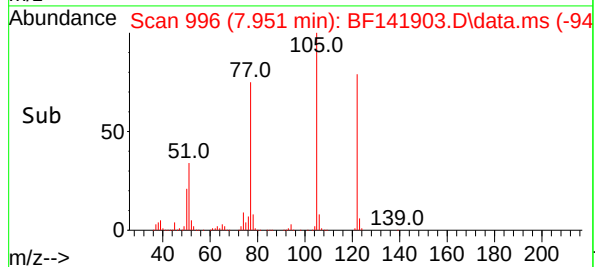
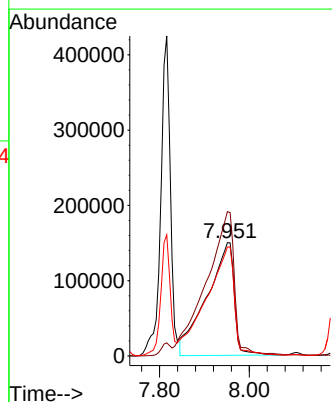
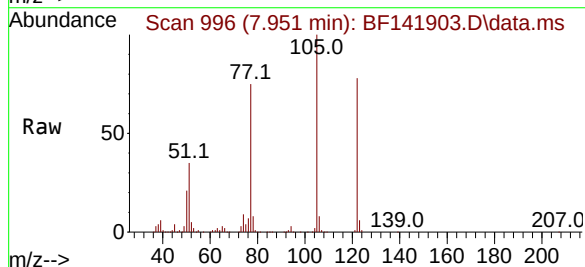
Instrument :
BNA_F
ClientSampleId :
SSTDICC060

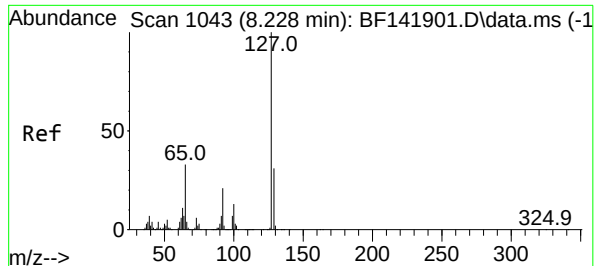
Tgt Ion:128 Resp: 2545181
Ion Ratio Lower Upper
128 100
129 11.5 9.0 13.6
127 13.8 10.8 16.2



#32
Benzoic acid
Concen: 69.664 ng
RT: 7.951 min Scan# 996
Delta R.T. 0.023 min
Lab File: BF141903.D
Acq: 10 Mar 2025 13:57

Tgt Ion:122 Resp: 634105
Ion Ratio Lower Upper
122 100
105 127.5 107.9 147.9
77 96.2 79.0 119.0

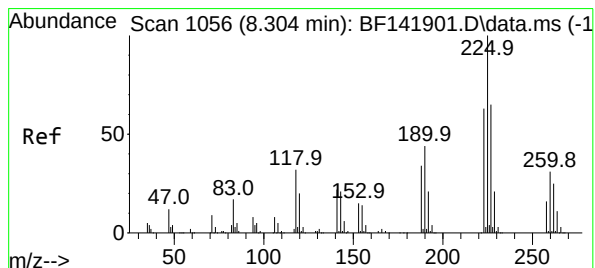
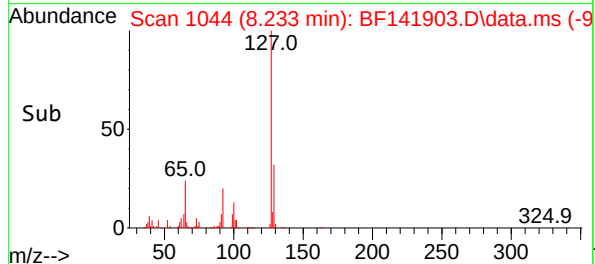
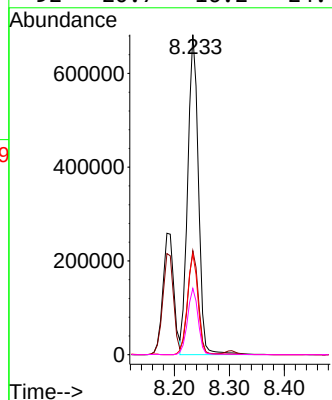
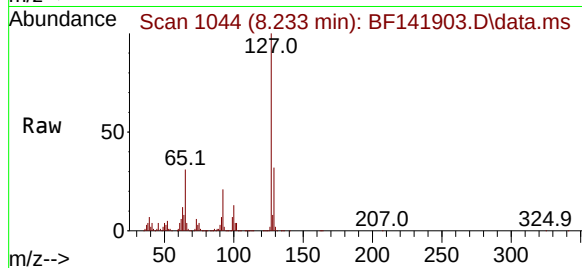




#33
4-Chloroaniline
Concen: 58.348 ng
RT: 8.233 min Scan# 1044
Delta R.T. 0.006 min
Lab File: BF141903.D
Acq: 10 Mar 2025 13:57

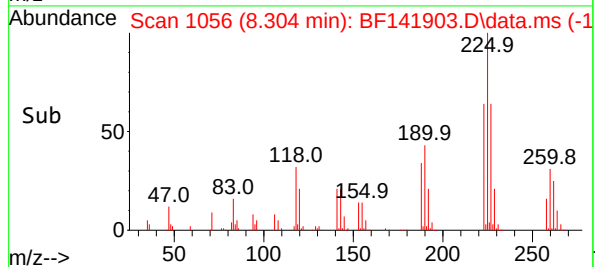
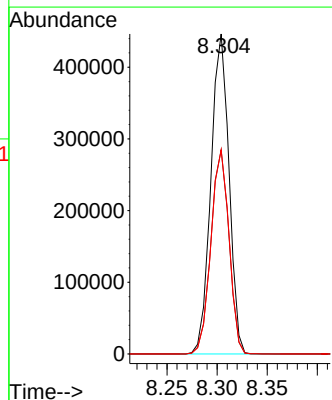
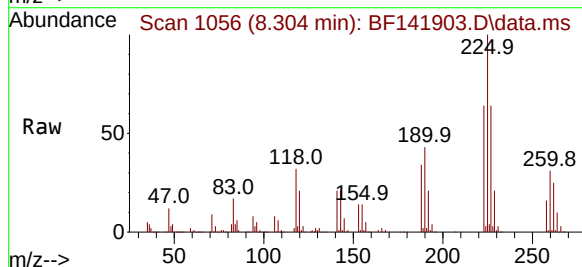
Instrument :
BNA_F
ClientSampleId :
SSTDICC060

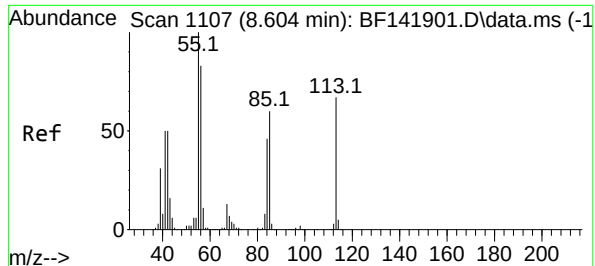
Tgt Ion:	127	Resp:	920015
Ion	Ratio	Lower	Upper
127	100		
129	32.5	26.2	39.4
65	31.5	25.4	38.2
92	20.7	16.2	24.4



#34
Hexachlorobutadiene
Concen: 60.397 ng
RT: 8.304 min Scan# 1056
Delta R.T. 0.000 min
Lab File: BF141903.D
Acq: 10 Mar 2025 13:57

Tgt Ion:	225	Resp:	559955
Ion	Ratio	Lower	Upper
225	100		
223	63.8	50.6	75.8
227	63.8	52.2	78.2





#35

Caprolactam

Concen: 60.015 ng

RT: 8.628 min Scan# 1111

Delta R.T. 0.024 min

Lab File: BF141903.D

Acq: 10 Mar 2025 13:57

Instrument :

BNA_F

ClientSampleId :

SSTDICC060

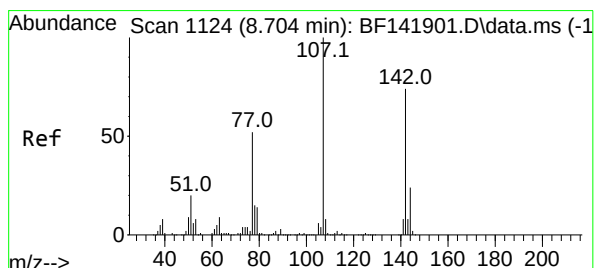
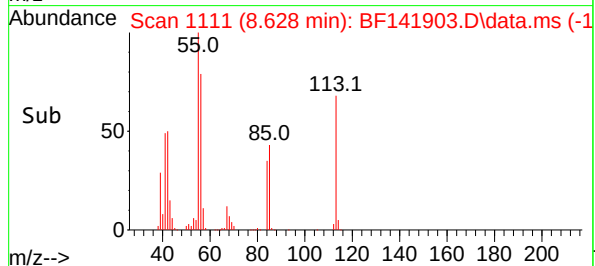
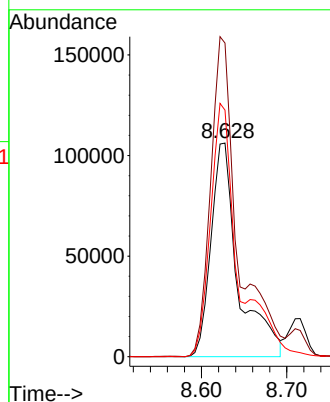
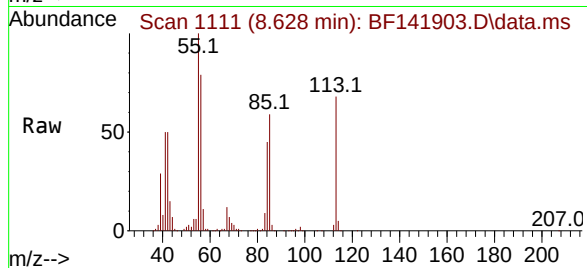
Tgt Ion:113 Resp: 235861

Ion Ratio Lower Upper

113 100

55 146.7 129.6 169.6

56 115.4 104.0 144.0



#36

4-Chloro-3-methylphenol

Concen: 60.807 ng

RT: 8.716 min Scan# 1126

Delta R.T. 0.012 min

Lab File: BF141903.D

Acq: 10 Mar 2025 13:57

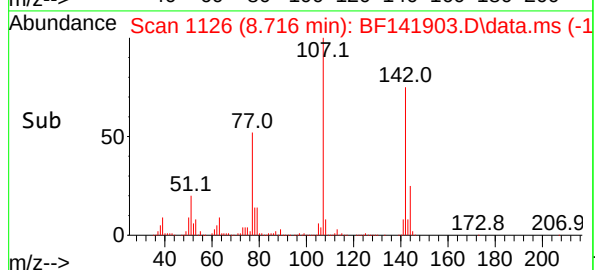
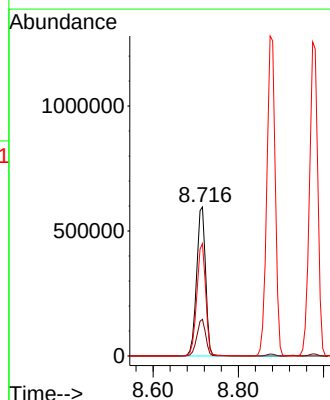
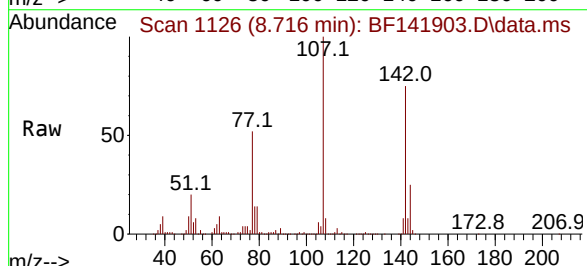
Tgt Ion:107 Resp: 874022

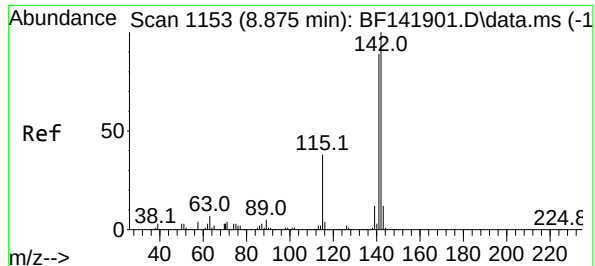
Ion Ratio Lower Upper

107 100

144 24.6 19.0 28.6

142 75.4 59.2 88.8





#37

2-Methylnaphthalene

Concen: 58.187 ng

RT: 8.875 min Scan# 1153

Delta R.T. 0.000 min

Lab File: BF141903.D

Acq: 10 Mar 2025 13:57

Instrument :

BNA_F

ClientSampleId :

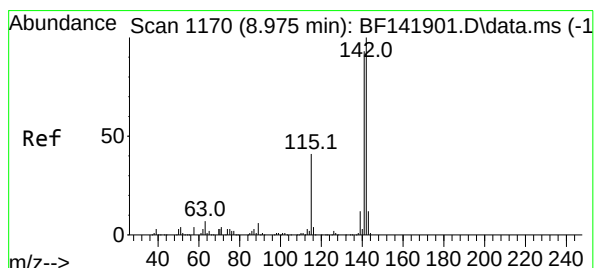
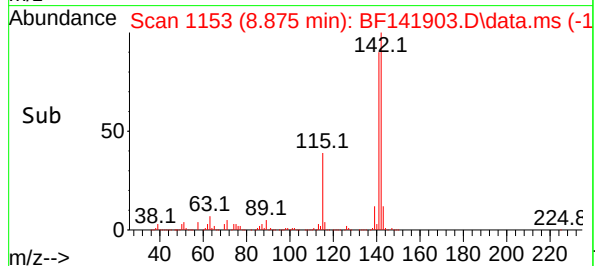
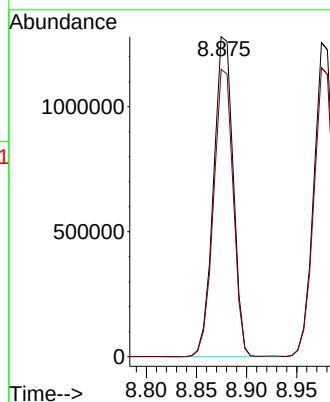
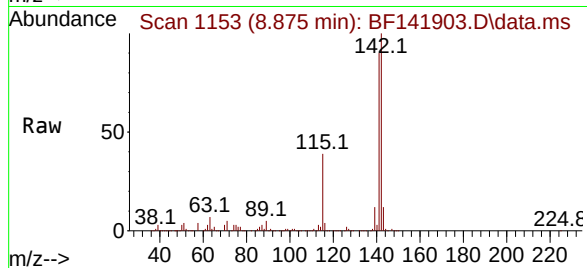
SSTDICC060

Tgt Ion:142 Resp: 1744374

Ion Ratio Lower Upper

142 100

141 89.8 71.2 106.8



#38

1-Methylnaphthalene

Concen: 58.285 ng

RT: 8.975 min Scan# 1170

Delta R.T. 0.000 min

Lab File: BF141903.D

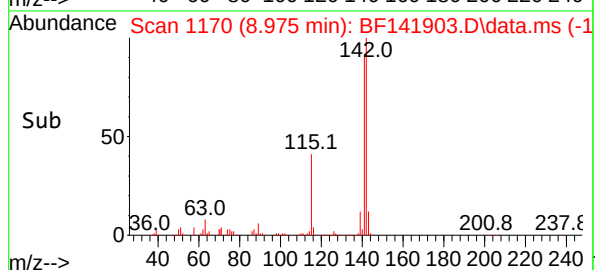
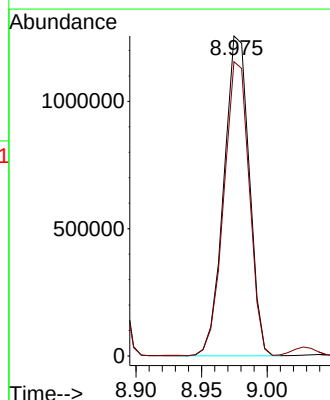
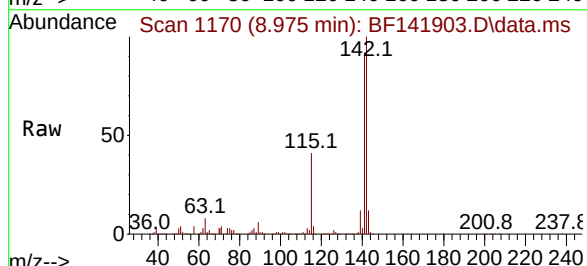
Acq: 10 Mar 2025 13:57

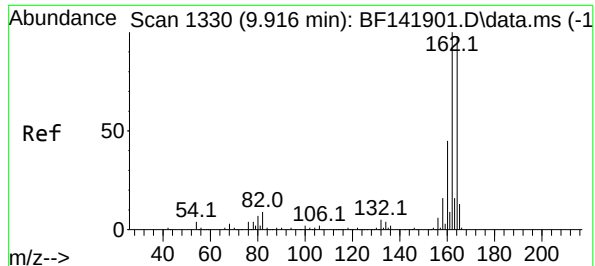
Tgt Ion:142 Resp: 1692113

Ion Ratio Lower Upper

142 100

141 92.0 74.2 111.4





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.922 min Scan# 1182

Delta R.T. 0.006 min

Lab File: BF141903.D

Acq: 10 Mar 2025 13:57

Instrument :

BNA_F

ClientSampleId :

SSTDICC060

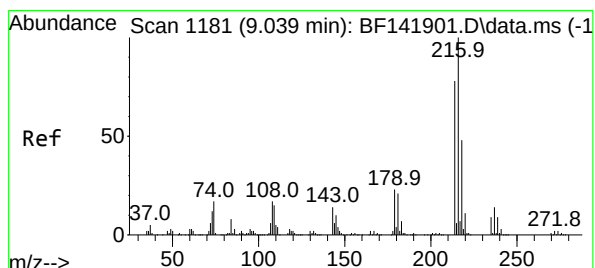
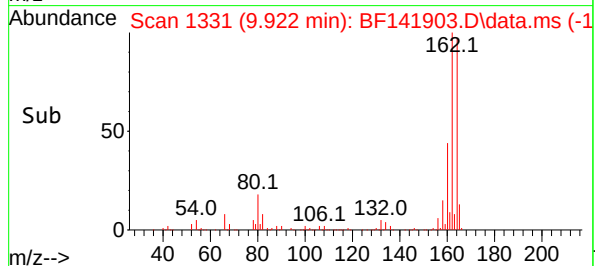
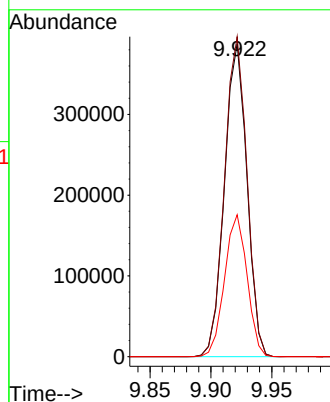
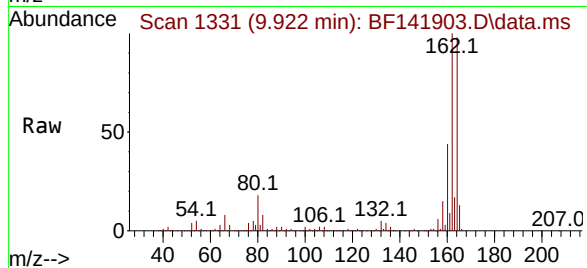
Tgt Ion:164 Resp: 497194

Ion	Ratio	Lower	Upper

164	100		

162	102.3	81.8	122.6

160	45.4	36.7	55.1



#40

1,2,4,5-Tetrachlorobenzene

Concen: 59.627 ng

RT: 9.045 min Scan# 1182

Delta R.T. 0.006 min

Lab File: BF141903.D

Acq: 10 Mar 2025 13:57

Tgt Ion:216 Resp: 903928

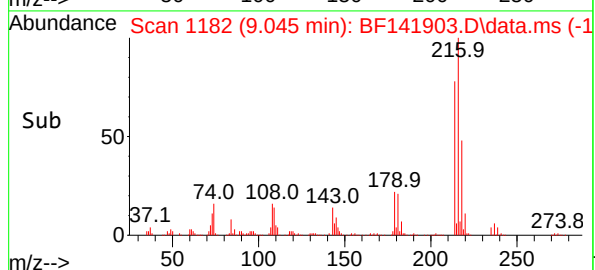
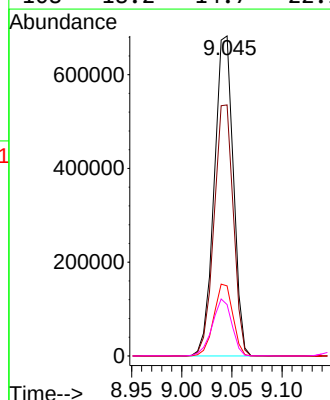
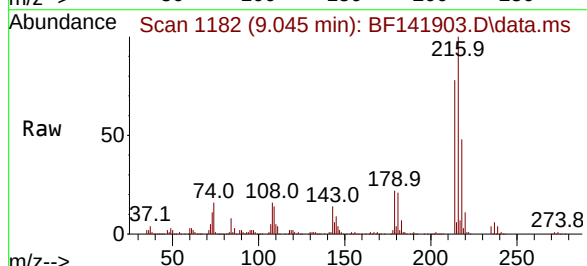
Ion	Ratio	Lower	Upper

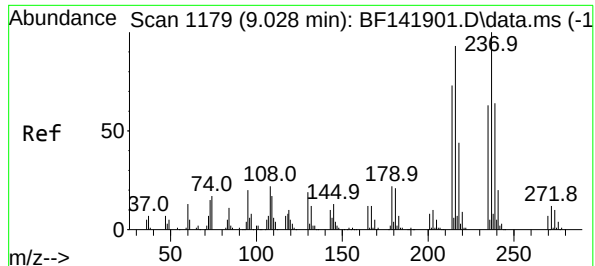
216	100		

214	78.9	61.9	92.9

179	22.3	18.1	27.1

108	18.2	14.7	22.1

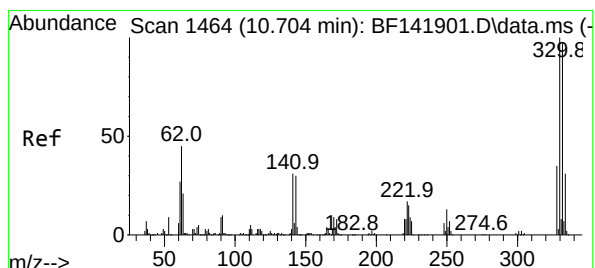
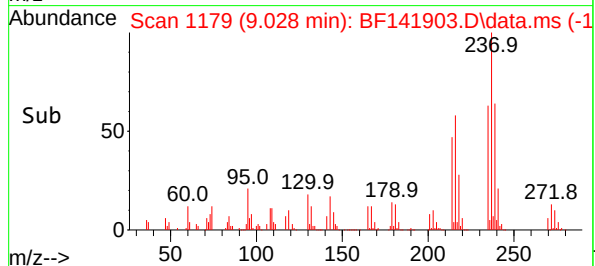
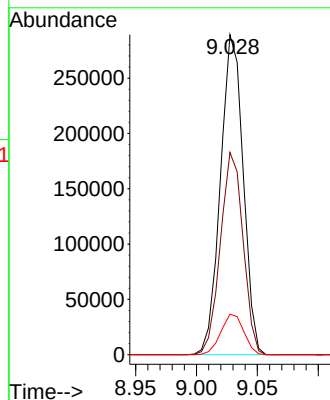
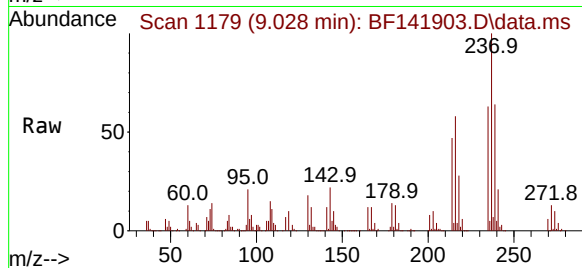




#41
Hexachlorocyclopentadiene
Concen: 62.842 ng
RT: 9.028 min Scan# 1179
Delta R.T. 0.000 min
Lab File: BF141903.D
Acq: 10 Mar 2025 13:57

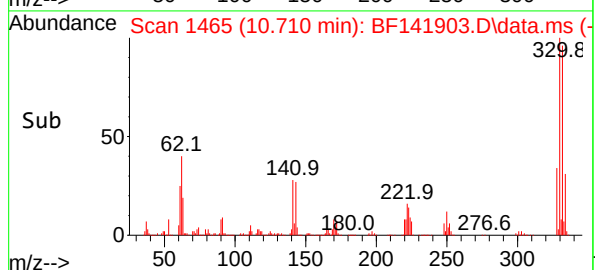
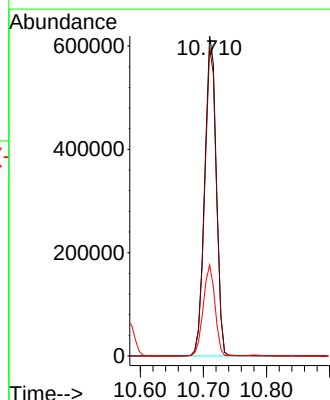
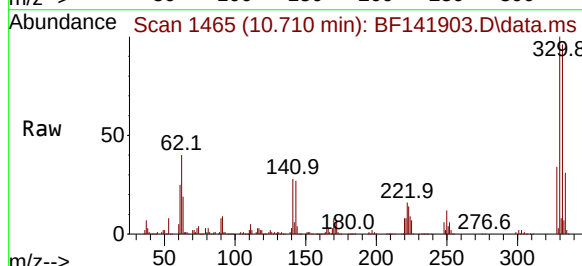
Instrument :
BNA_F
ClientSampleId :
SSTDICC060

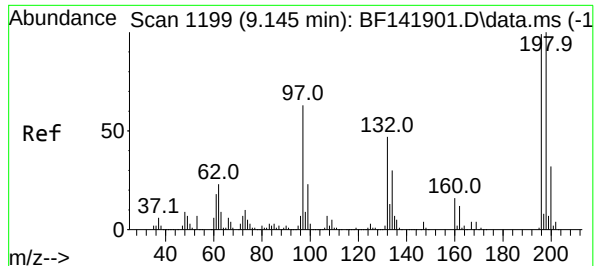
Tgt Ion:237 Resp: 375919
Ion Ratio Lower Upper
237 100
235 63.2 43.1 83.1
272 12.6 0.0 32.0



#42
2,4,6-Tribromophenol
Concen: 125.609 ng
RT: 10.710 min Scan# 1465
Delta R.T. 0.006 min
Lab File: BF141903.D
Acq: 10 Mar 2025 13:57

Tgt Ion:330 Resp: 791365
Ion Ratio Lower Upper
330 100
332 96.6 77.6 116.4
141 28.7 24.7 37.1





#43

2,4,6-Trichlorophenol

Concen: 60.479 ng

RT: 9.151 min Scan# 1199

Delta R.T. 0.006 min

Lab File: BF141903.D

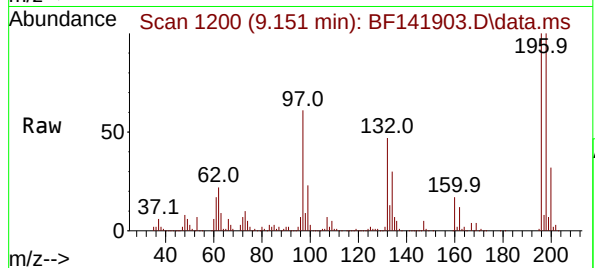
Acq: 10 Mar 2025 13:57

Instrument :

BNA_F

ClientSampleId :

SSTDICC060



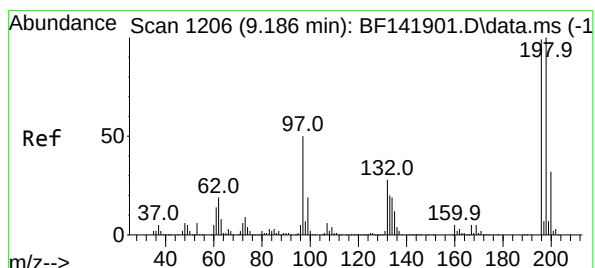
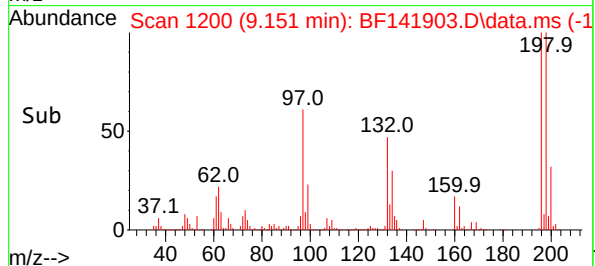
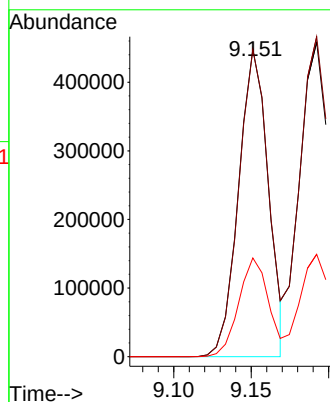
Tgt Ion:196 Resp: 597686

Ion Ratio Lower Upper

196 100

198 99.8 80.6 121.0

200 32.1 25.8 38.6



#44

2,4,5-Trichlorophenol

Concen: 61.642 ng

RT: 9.192 min Scan# 1207

Delta R.T. 0.006 min

Lab File: BF141903.D

Acq: 10 Mar 2025 13:57

Tgt Ion:196 Resp: 618930

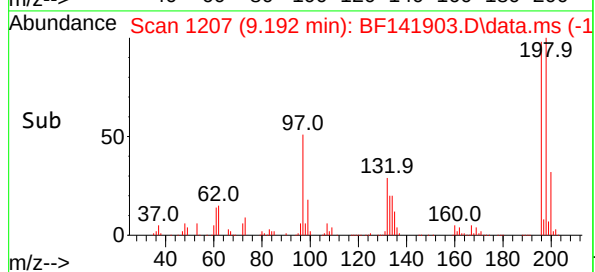
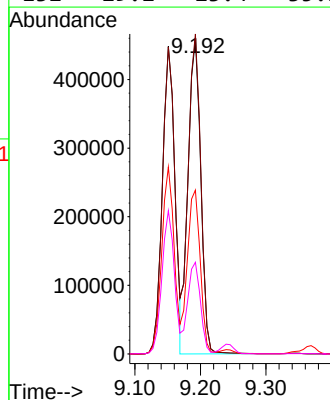
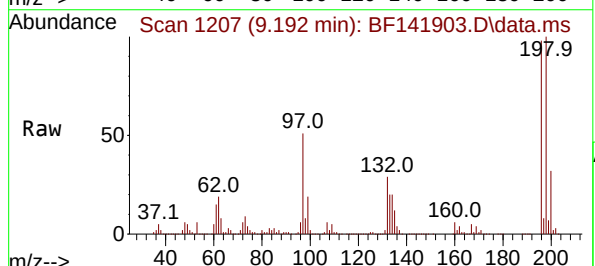
Ion Ratio Lower Upper

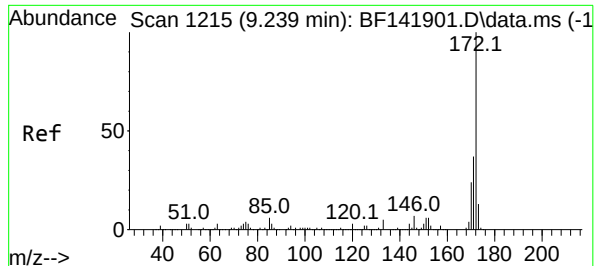
196 100

198 101.7 80.7 121.1

97 52.1 42.1 63.1

132 29.2 23.4 35.2

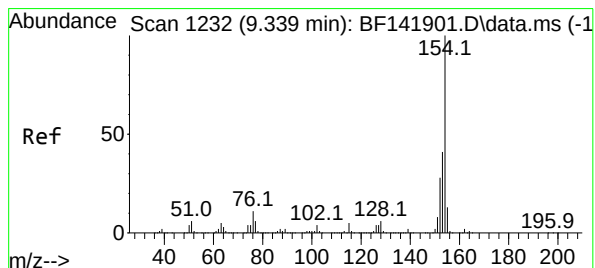
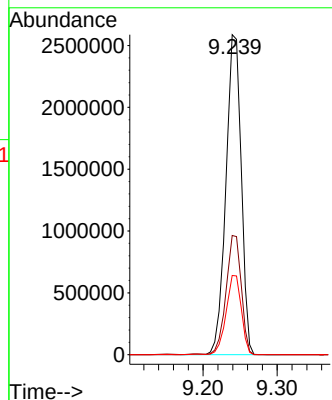
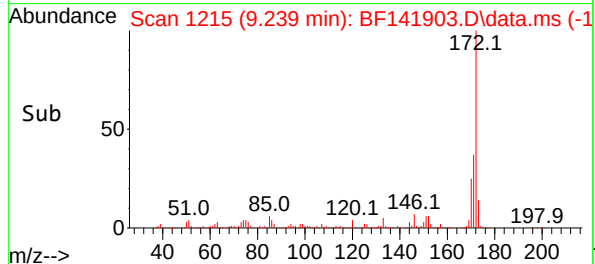
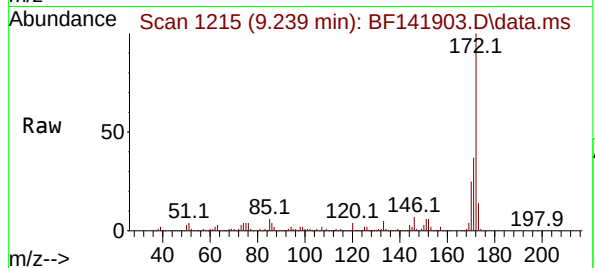




#45
2-Fluorobiphenyl
Concen: 113.827 ng
RT: 9.239 min Scan# 1215
Delta R.T. 0.000 min
Lab File: BF141903.D
Acq: 10 Mar 2025 13:57

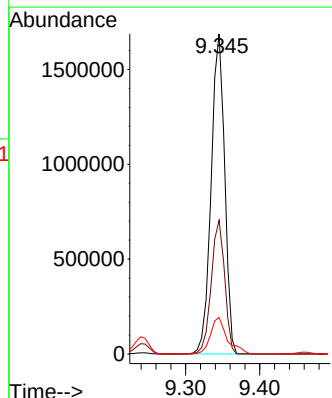
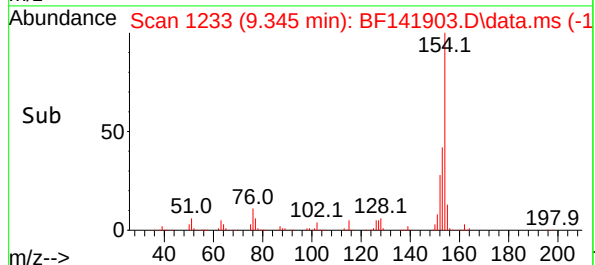
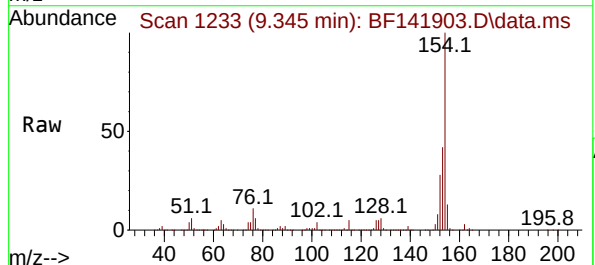
Instrument :
BNA_F
ClientSampleId :
SSTDICC060

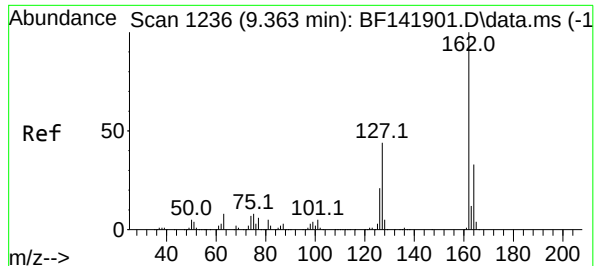
Tgt Ion:172 Resp: 3716590
Ion Ratio Lower Upper
172 100
171 37.3 29.3 43.9
170 24.7 19.4 29.0



#46
1,1'-Biphenyl
Concen: 56.634 ng
RT: 9.345 min Scan# 1233
Delta R.T. 0.006 min
Lab File: BF141903.D
Acq: 10 Mar 2025 13:57

Tgt Ion:154 Resp: 2134829
Ion Ratio Lower Upper
154 100
153 41.8 21.1 61.1
76 11.4 0.0 31.3





#47

2-Chloronaphthalene

Concen: 57.879 ng

RT: 9.369 min Scan# 1236

Delta R.T. 0.006 min

Lab File: BF141903.D

Acq: 10 Mar 2025 13:57

Instrument :

BNA_F

ClientSampleId :

SSTDICC060

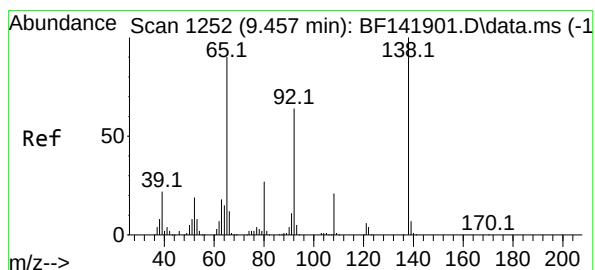
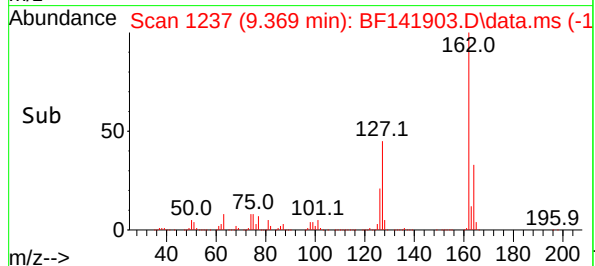
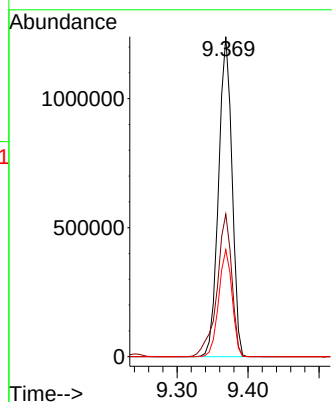
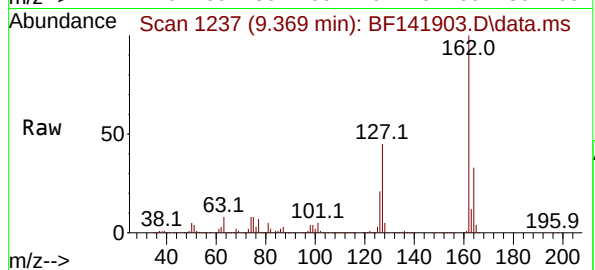
Tgt Ion:162 Resp: 1625973

Ion Ratio Lower Upper

162 100

127 44.5 35.5 53.3

164 33.5 26.6 40.0



#48

2-Nitroaniline

Concen: 61.368 ng

RT: 9.463 min Scan# 1253

Delta R.T. 0.006 min

Lab File: BF141903.D

Acq: 10 Mar 2025 13:57

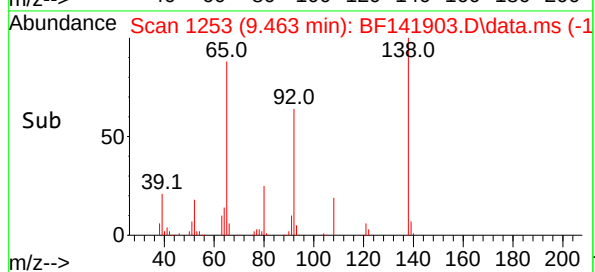
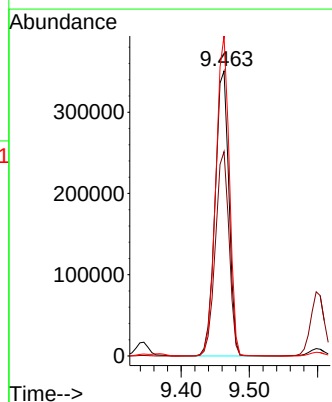
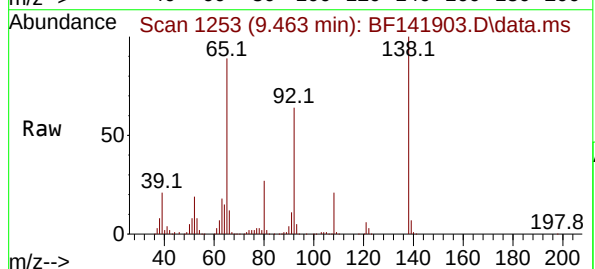
Tgt Ion: 65 Resp: 495229

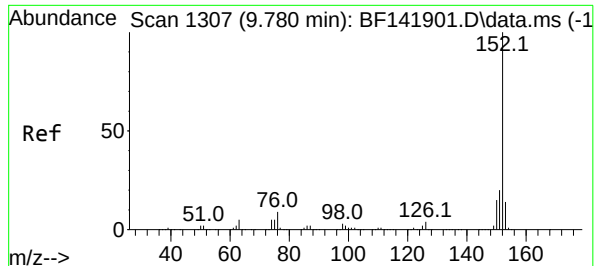
Ion Ratio Lower Upper

65 100

92 71.7 56.6 84.8

138 112.3 88.6 133.0





#49

Acenaphthylene

Concen: 57.125 ng

RT: 9.786 min Scan# 11

Delta R.T. 0.006 min

Lab File: BF141903.D

Acq: 10 Mar 2025 13:57

Instrument :

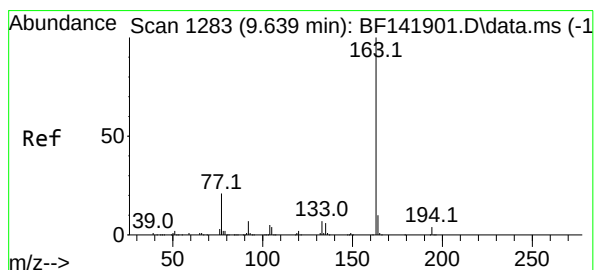
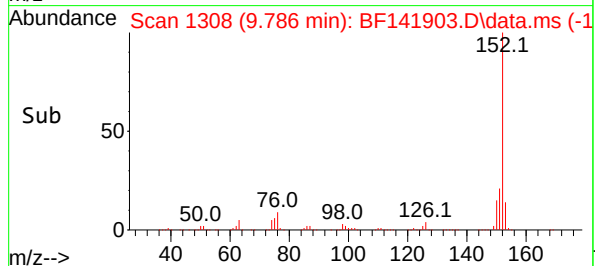
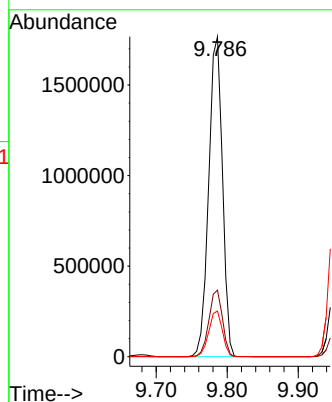
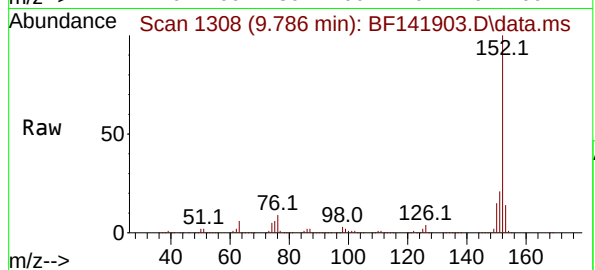
BNA_F

ClientSampleId :

SSTDICC060

Tgt Ion:152 Resp: 2379216

Ion	Ratio	Lower	Upper
152	100		
151	20.8	16.3	24.5
153	14.2	11.1	16.7



#50

Dimethylphthalate

Concen: 58.083 ng

RT: 9.651 min Scan# 1285

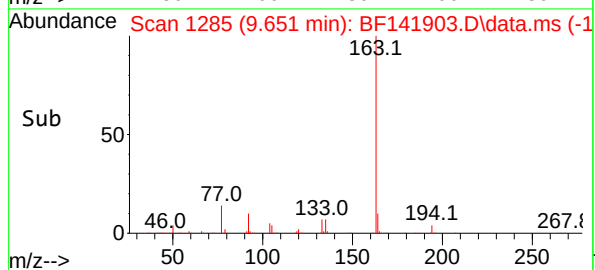
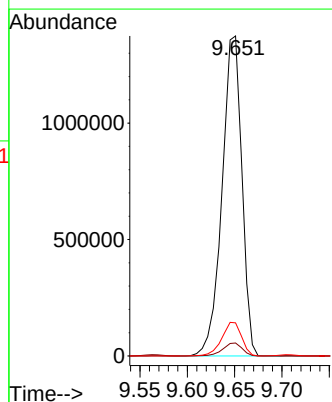
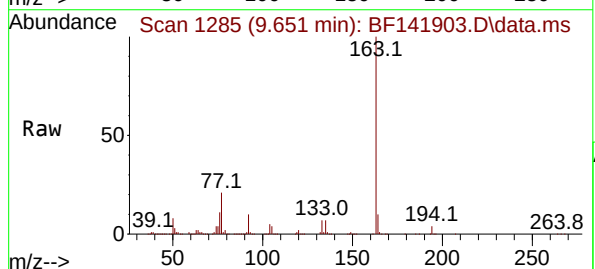
Delta R.T. 0.012 min

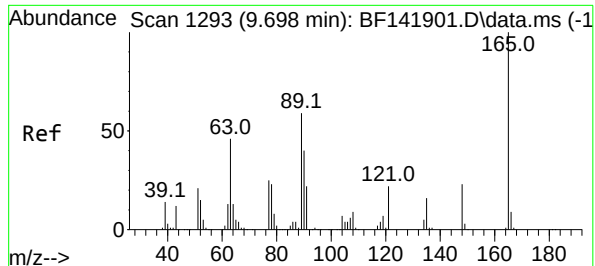
Lab File: BF141903.D

Acq: 10 Mar 2025 13:57

Tgt Ion:163 Resp: 2006480

Ion	Ratio	Lower	Upper
163	100		
194	4.1	3.1	4.7
164	10.4	8.2	12.4





#51

2,6-Dinitrotoluene

Concen: 61.441 ng

RT: 9.704 min Scan# 11

Delta R.T. 0.006 min

Lab File: BF141903.D

Acq: 10 Mar 2025 13:57

Instrument :

BNA_F

ClientSampleId :

SSTDICC060

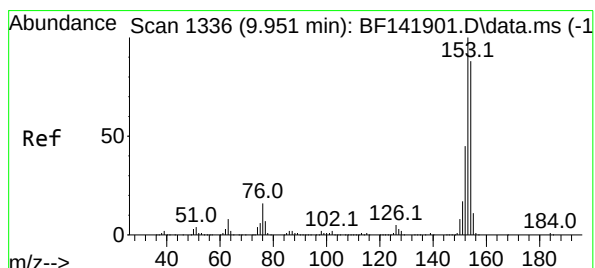
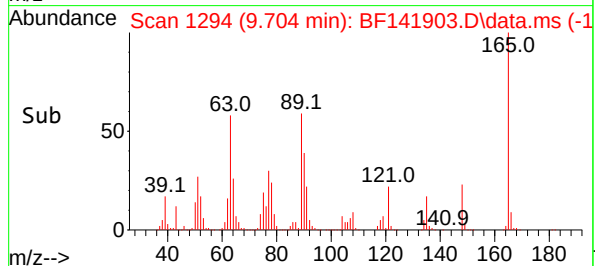
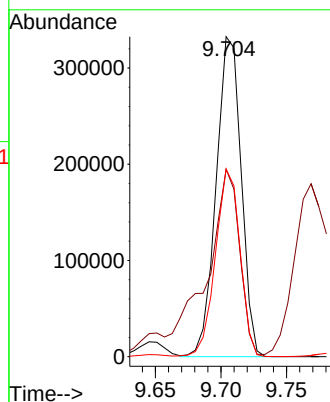
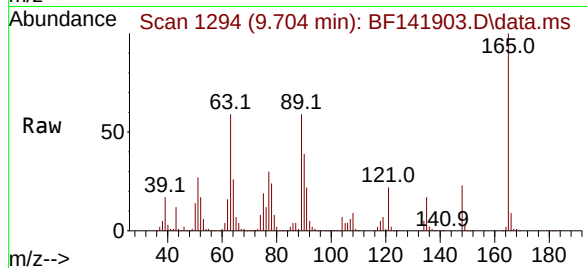
Tgt Ion:165 Resp: 441383

Ion Ratio Lower Upper

165 100

63 58.6 47.0 70.4

89 58.6 47.4 71.2



#52

Acenaphthene

Concen: 59.065 ng

RT: 9.957 min Scan# 1337

Delta R.T. 0.006 min

Lab File: BF141903.D

Acq: 10 Mar 2025 13:57

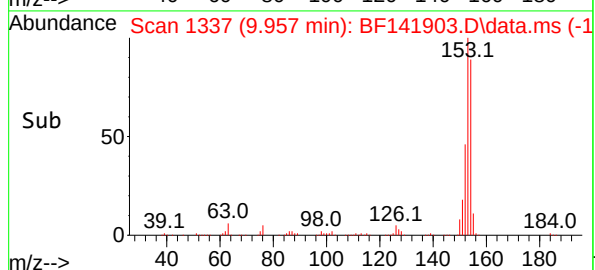
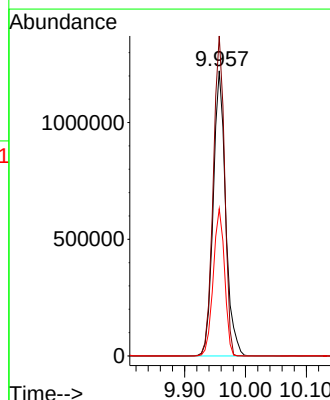
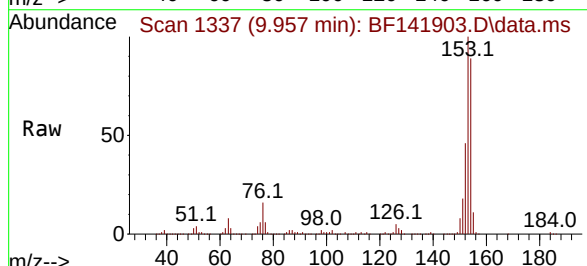
Tgt Ion:154 Resp: 1737049

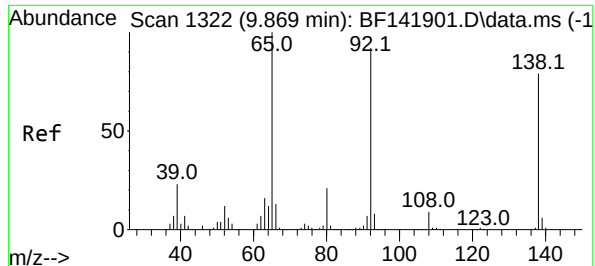
Ion Ratio Lower Upper

154 100

153 112.2 90.7 136.1

152 51.6 41.1 61.7

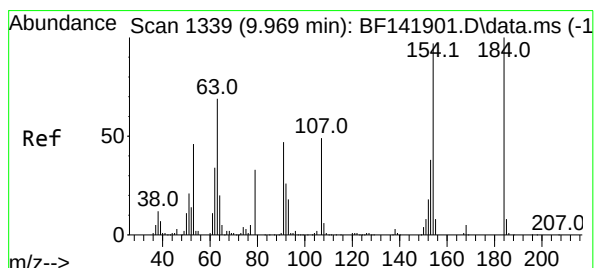
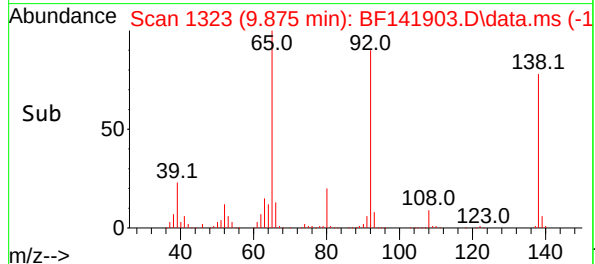
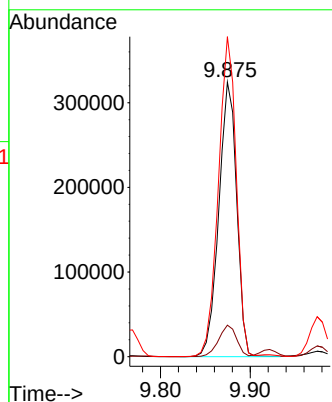
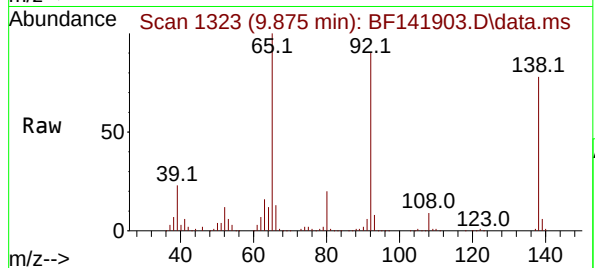




#53
3-Nitroaniline
Concen: 60.945 ng
RT: 9.875 min Scan# 1323
Delta R.T. 0.006 min
Lab File: BF141903.D
Acq: 10 Mar 2025 13:57

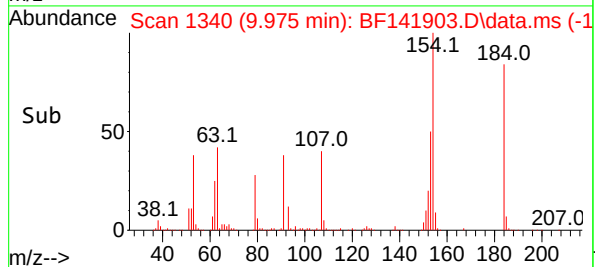
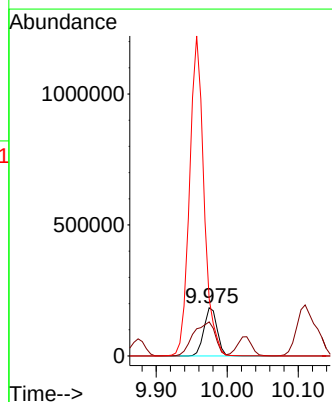
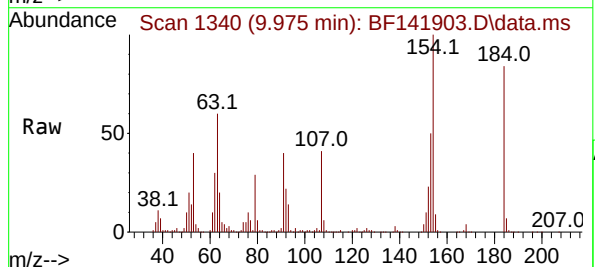
Instrument :
BNA_F
ClientSampleId :
SSTDICC060

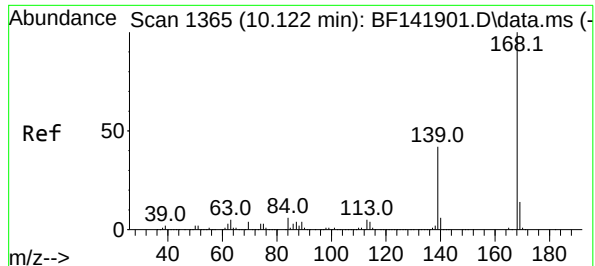
Tgt Ion:138 Resp: 449553
Ion Ratio Lower Upper
138 100
108 11.5 9.3 13.9
92 116.5 93.5 140.3



#54
2,4-Dinitrophenol
Concen: 60.329 ng
RT: 9.975 min Scan# 1340
Delta R.T. 0.006 min
Lab File: BF141903.D
Acq: 10 Mar 2025 13:57

Tgt Ion:184 Resp: 240530
Ion Ratio Lower Upper
184 100
63 70.8 60.2 90.4
154 118.6 132.9 199.3#





#55

Dibenzenofuran

Concen: 56.781 ng

RT: 10.127 min Scan# 1365

Delta R.T. 0.006 min

Lab File: BF141903.D

Acq: 10 Mar 2025 13:57

Instrument :

BNA_F

ClientSampleId :

SSTDICC060

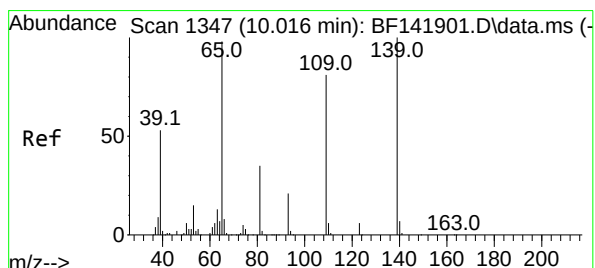
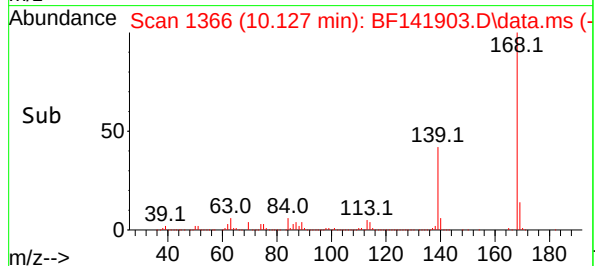
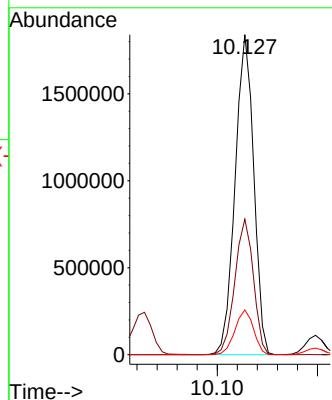
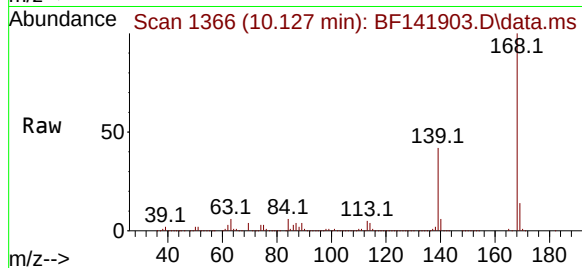
Tgt Ion:168 Resp: 2380973

Ion Ratio Lower Upper

168 100

139 42.4 33.9 50.9

169 14.0 11.0 16.4



#56

4-Nitrophenol

Concen: 62.021 ng

RT: 10.027 min Scan# 1349

Delta R.T. 0.012 min

Lab File: BF141903.D

Acq: 10 Mar 2025 13:57

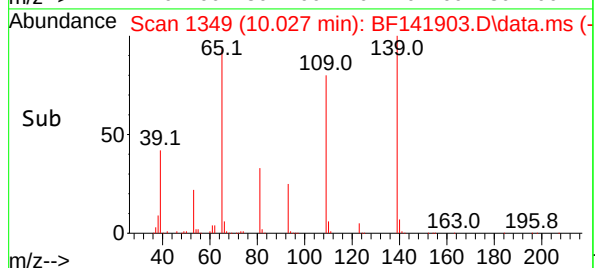
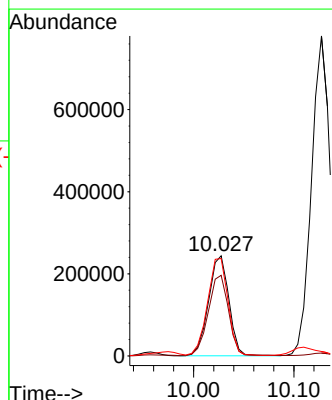
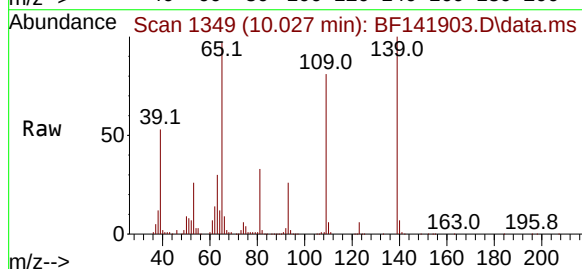
Tgt Ion:139 Resp: 343657

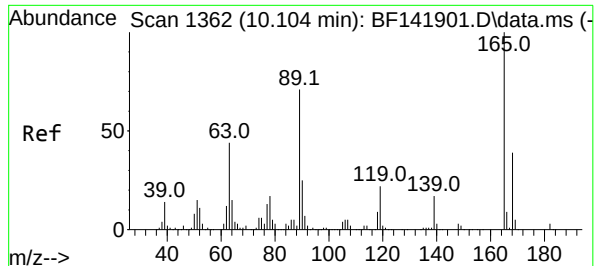
Ion Ratio Lower Upper

139 100

109 80.6 61.6 101.6

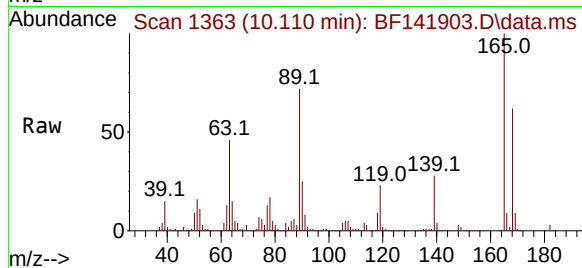
65 97.3 79.4 119.4



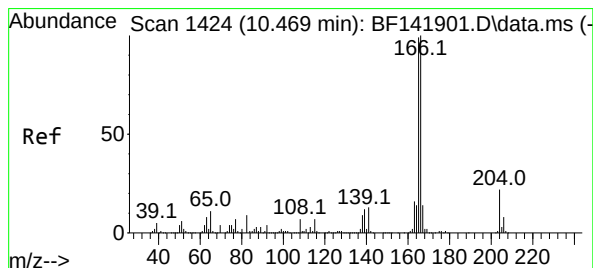
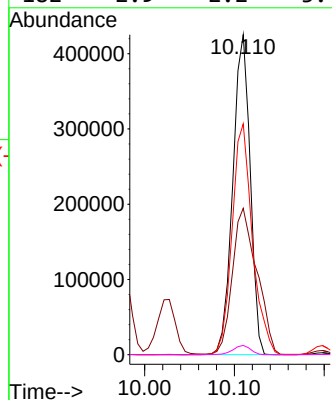
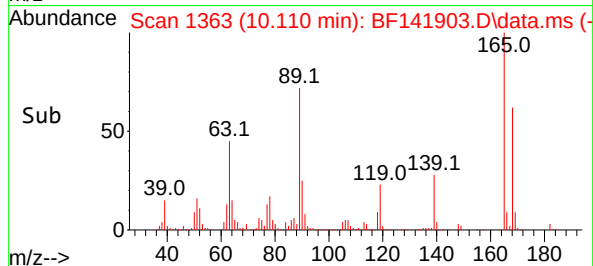


#57
2,4-Dinitrotoluene
Concen: 60.461 ng
RT: 10.110 min Scan# 1363
Delta R.T. 0.006 min
Lab File: BF141903.D
Acq: 10 Mar 2025 13:57

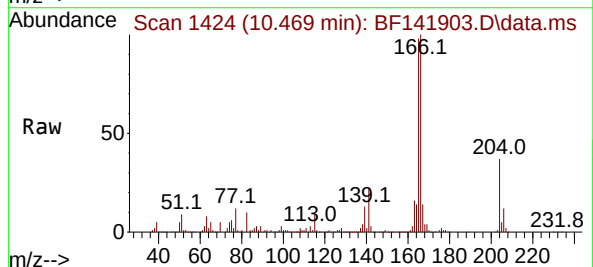
Instrument :
BNA_F
ClientSampleId :
SSTDICC060



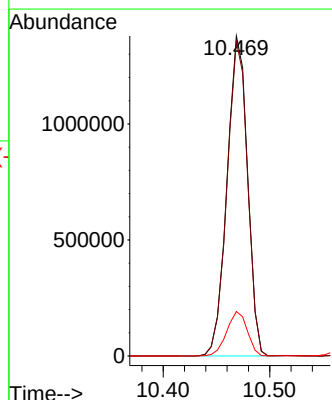
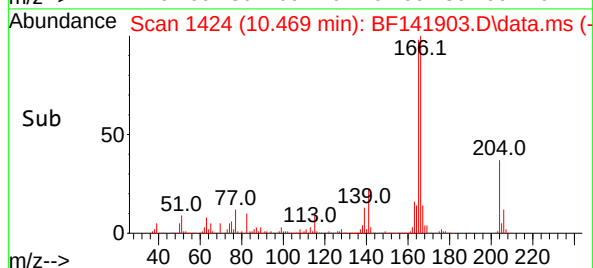
Tgt Ion:165 Resp: 571731
Ion Ratio Lower Upper
165 100
63 45.8 35.4 53.2
89 72.1 56.6 84.8
182 2.9 2.2 3.4

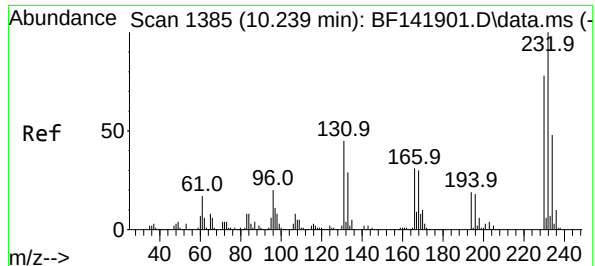


#58
Fluorene
Concen: 56.859 ng
RT: 10.469 min Scan# 1424
Delta R.T. 0.000 min
Lab File: BF141903.D
Acq: 10 Mar 2025 13:57



Tgt Ion:166 Resp: 1840654
Ion Ratio Lower Upper
166 100
165 98.3 79.0 118.4
167 13.9 11.0 16.4





#59

2,3,4,6-Tetrachlorophenol

Concen: 60.002 ng

RT: 10.239 min Scan# 11

Delta R.T. 0.000 min

Lab File: BF141903.D

Acq: 10 Mar 2025 13:57

Instrument :

BNA_F

ClientSampleId :

SSTDICC060

Tgt Ion:232 Resp: 546621

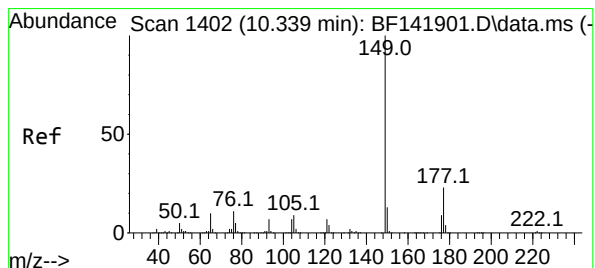
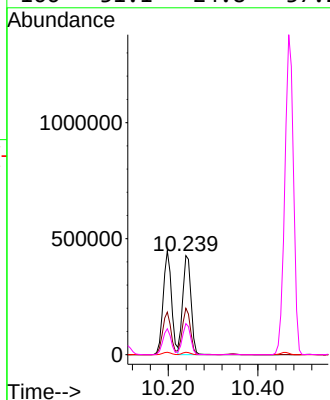
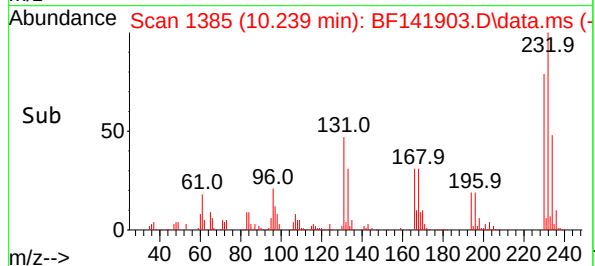
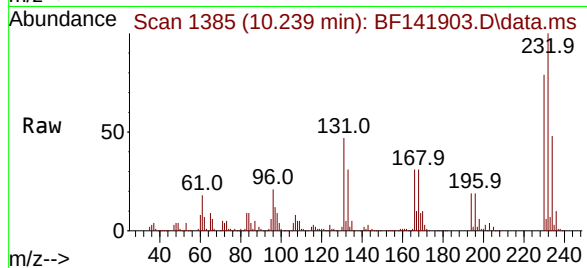
Ion Ratio Lower Upper

232 100

131 46.3 37.3 55.9

130 2.4 1.9 2.9

166 31.1 24.8 37.2



#60

Diethylphthalate

Concen: 57.552 ng

RT: 10.345 min Scan# 1403

Delta R.T. 0.006 min

Lab File: BF141903.D

Acq: 10 Mar 2025 13:57

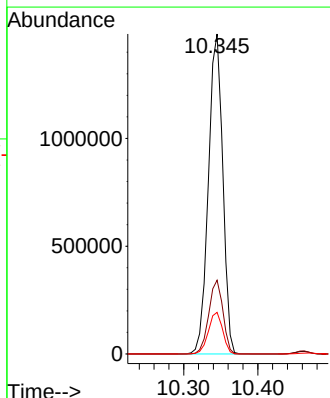
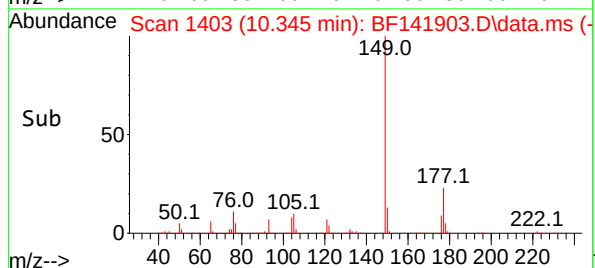
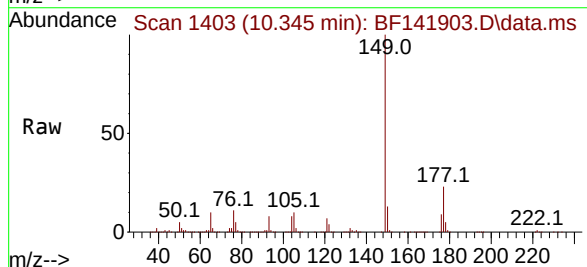
Tgt Ion:149 Resp: 1995827

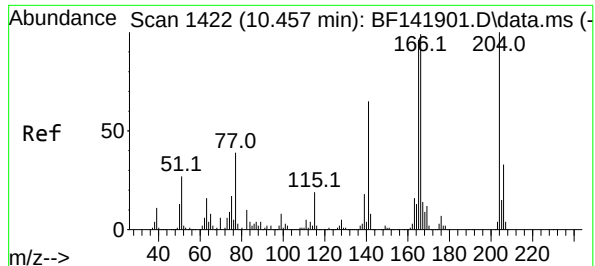
Ion Ratio Lower Upper

149 100

177 23.0 18.0 27.0

150 13.0 10.2 15.4

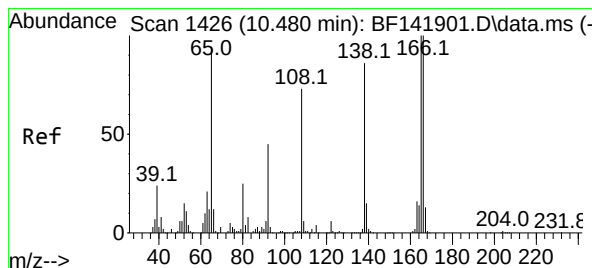
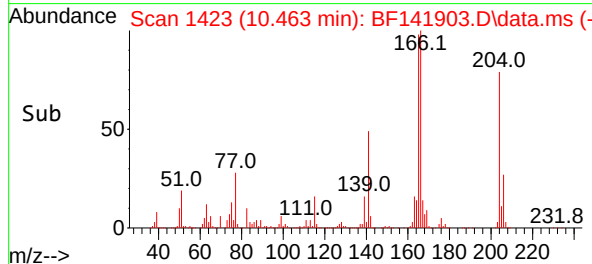
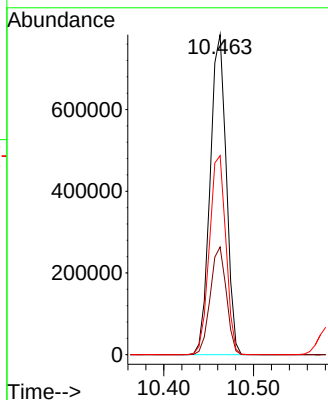
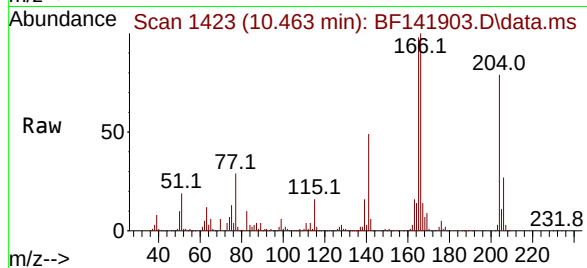




#61
4-Chlorophenyl-phenylether
Concen: 57.993 ng
RT: 10.463 min Scan# 1422
Delta R.T. 0.006 min
Lab File: BF141903.D
Acq: 10 Mar 2025 13:57

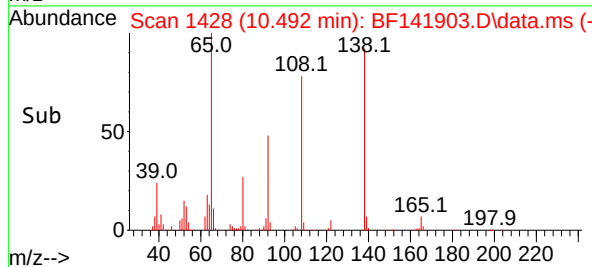
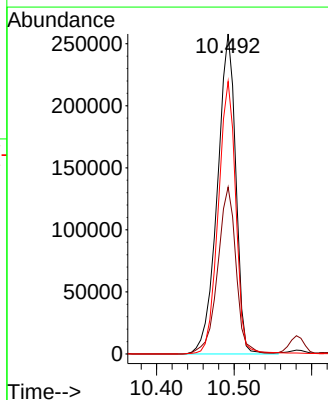
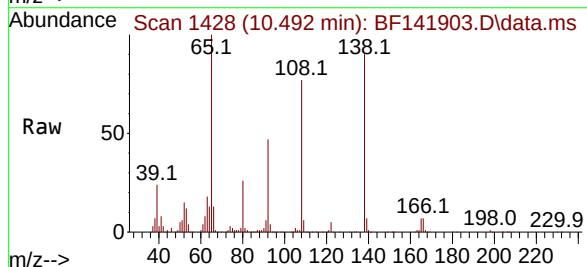
Instrument :
BNA_F
ClientSampleId :
SSTDICC060

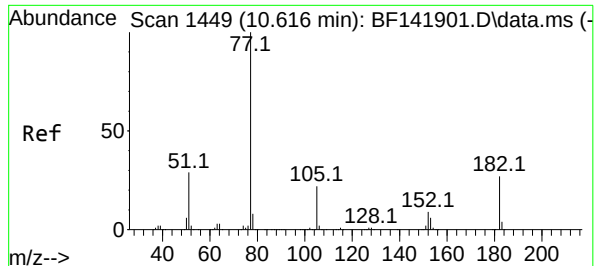
Tgt Ion:204 Resp: 977819
Ion Ratio Lower Upper
204 100
206 33.6 26.8 40.2
141 62.2 52.4 78.6



#62
4-Nitroaniline
Concen: 59.702 ng
RT: 10.492 min Scan# 1428
Delta R.T. 0.012 min
Lab File: BF141903.D
Acq: 10 Mar 2025 13:57

Tgt Ion:138 Resp: 426741
Ion Ratio Lower Upper
138 100
92 52.2 32.6 72.6
108 85.2 65.0 105.0

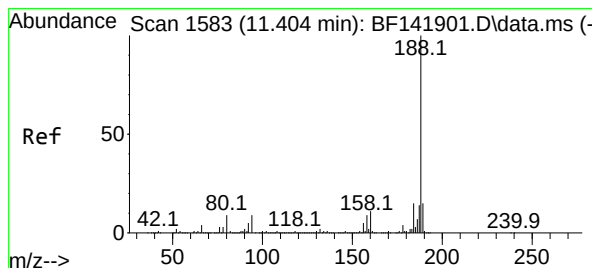
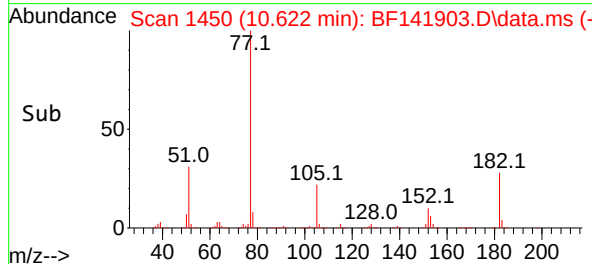
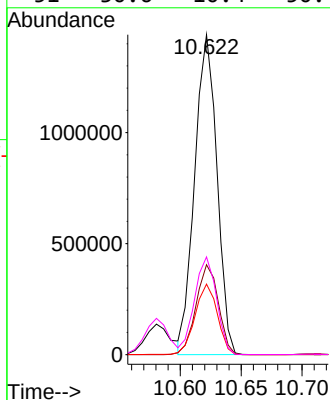
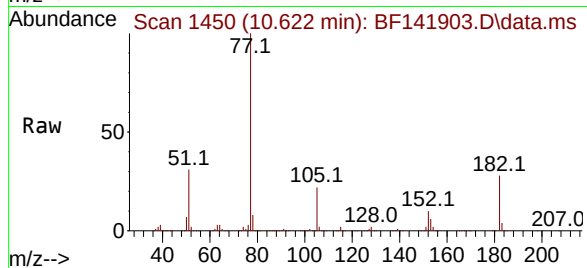




#63
Azobenzene
Concen: 56.784 ng
RT: 10.622 min Scan# 1449
Delta R.T. 0.006 min
Lab File: BF141903.D
Acq: 10 Mar 2025 13:57

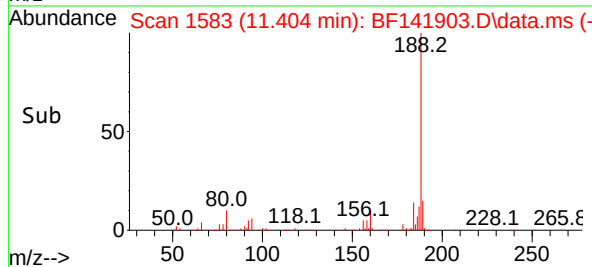
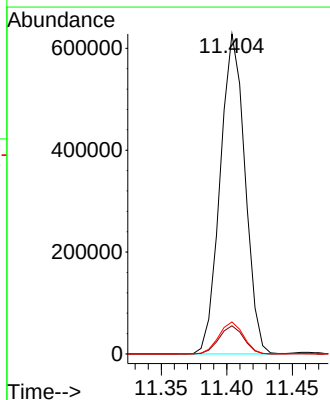
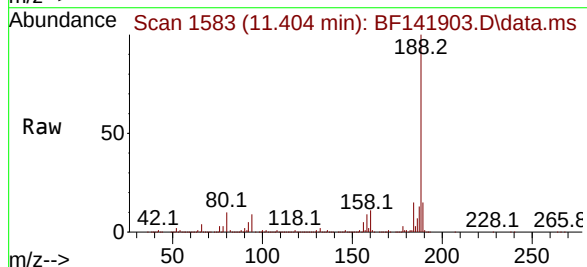
Instrument :
BNA_F
ClientSampleId :
SSTDICC060

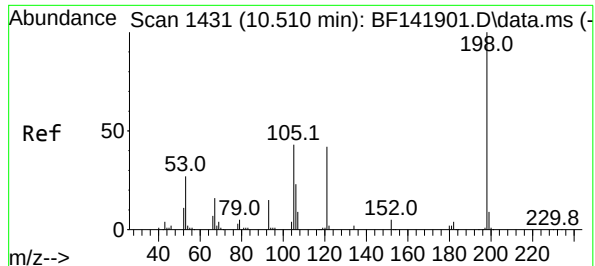
Tgt Ion: 77 Resp: 1829282
Ion Ratio Lower Upper
77 100
182 28.1 6.6 46.6
105 22.0 1.3 41.3
51 30.6 10.4 50.4



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.404 min Scan# 1583
Delta R.T. -0.000 min
Lab File: BF141903.D
Acq: 10 Mar 2025 13:57

Tgt Ion: 188 Resp: 827202
Ion Ratio Lower Upper
188 100
94 8.8 6.8 10.2
80 10.0 7.6 11.4

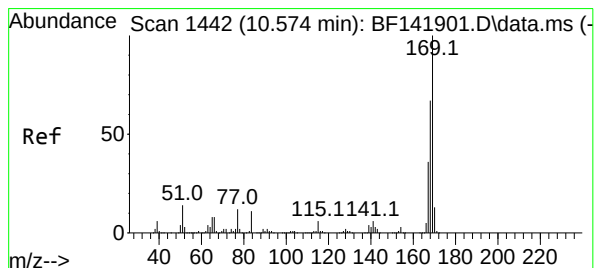
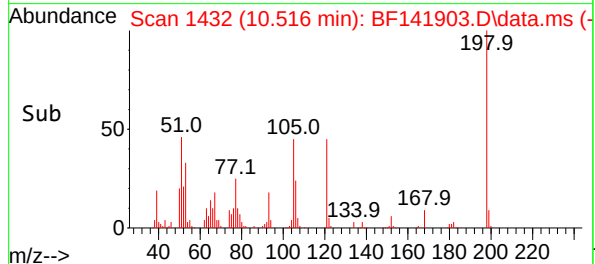
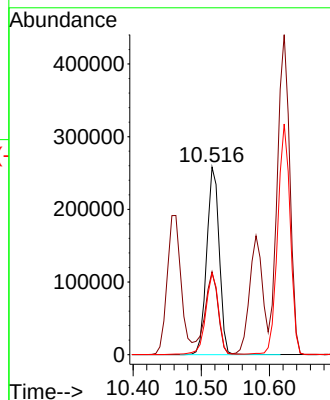
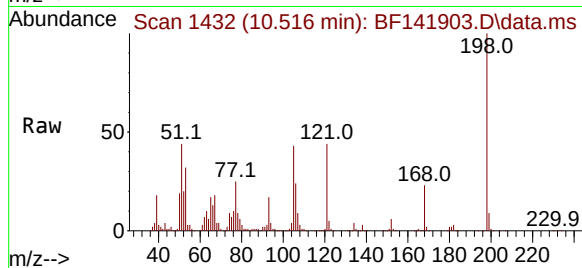




#65
4,6-Dinitro-2-methylphenol
Concen: 67.356 ng
RT: 10.516 min Scan# 1431
Delta R.T. 0.006 min
Lab File: BF141903.D
Acq: 10 Mar 2025 13:57

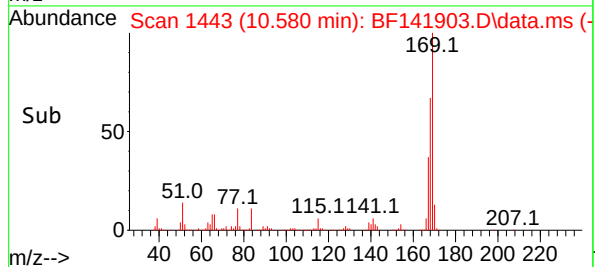
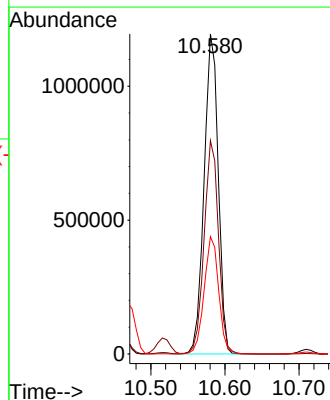
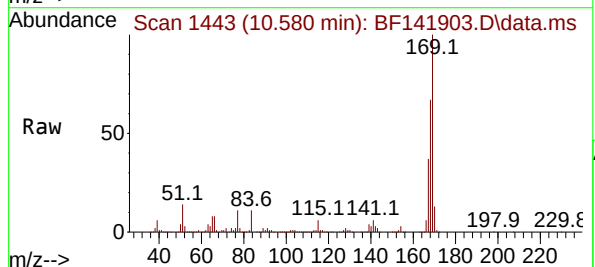
Instrument :
BNA_F
ClientSampleId :
SSTDICC060

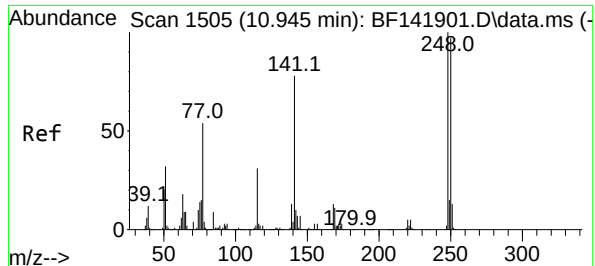
Tgt Ion:198 Resp: 330315
Ion Ratio Lower Upper
198 100
51 44.2 22.3 62.3
105 43.4 23.0 63.0



#66
n-Nitrosodiphenylamine
Concen: 59.270 ng
RT: 10.580 min Scan# 1443
Delta R.T. 0.006 min
Lab File: BF141903.D
Acq: 10 Mar 2025 13:57

Tgt Ion:169 Resp: 1583832
Ion Ratio Lower Upper
169 100
168 66.6 53.7 80.5
167 36.6 29.2 43.8

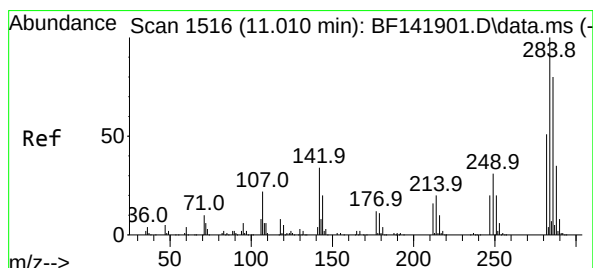
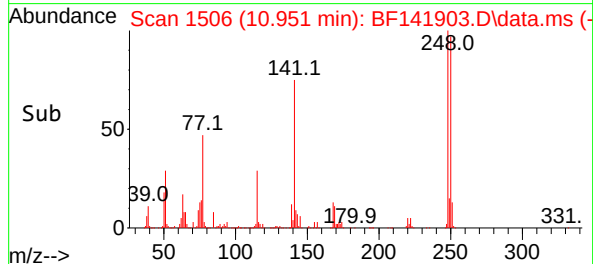
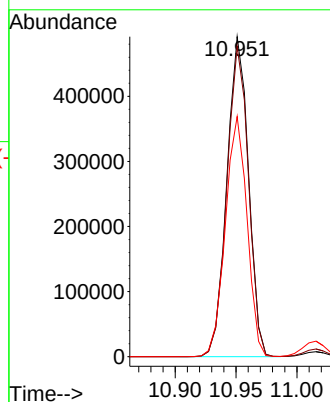
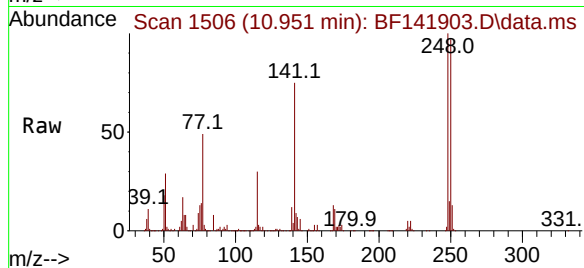




#67
4-Bromophenyl-phenylether
Concen: 59.044 ng
RT: 10.951 min Scan# 1506
Delta R.T. 0.006 min
Lab File: BF141903.D
Acq: 10 Mar 2025 13:57

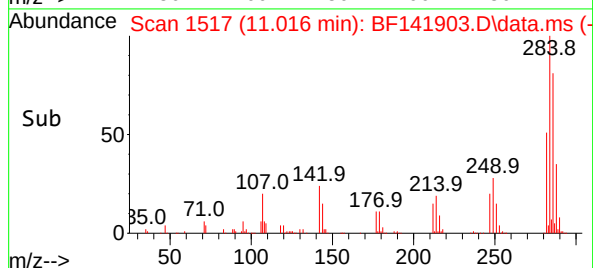
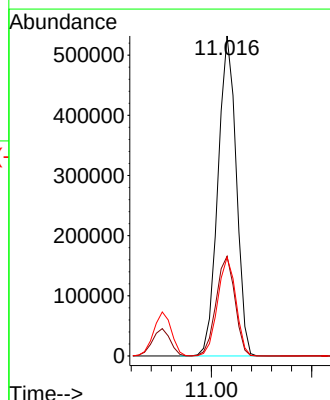
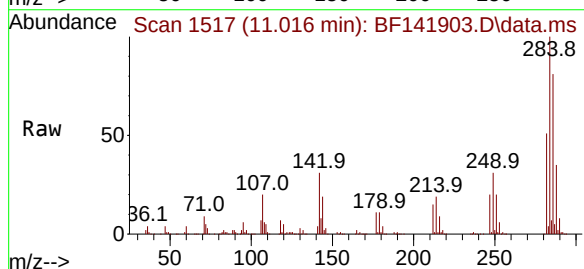
Instrument :
BNA_F
ClientSampleId :
SSTDICC060

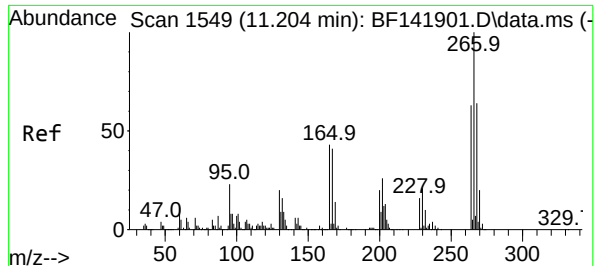
Tgt Ion:248 Resp: 608246
Ion Ratio Lower Upper
248 100
250 97.0 77.8 116.8
141 75.1 62.6 93.8



#68
Hexachlorobenzene
Concen: 59.144 ng
RT: 11.016 min Scan# 1517
Delta R.T. 0.006 min
Lab File: BF141903.D
Acq: 10 Mar 2025 13:57

Tgt Ion:284 Resp: 673465
Ion Ratio Lower Upper
284 100
142 31.1 27.0 40.6
249 30.8 25.2 37.8

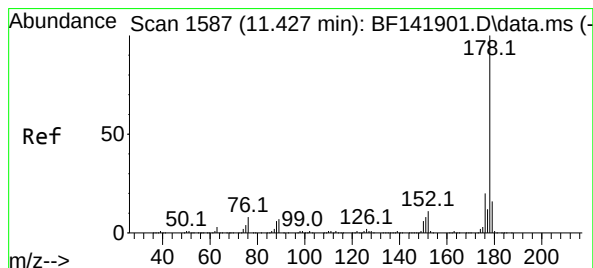
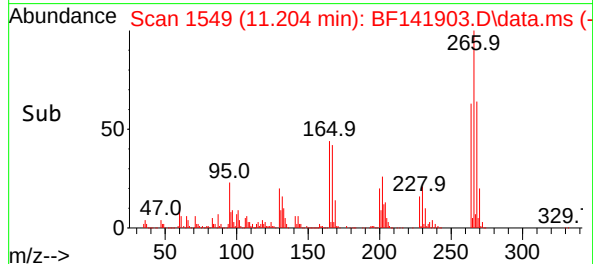
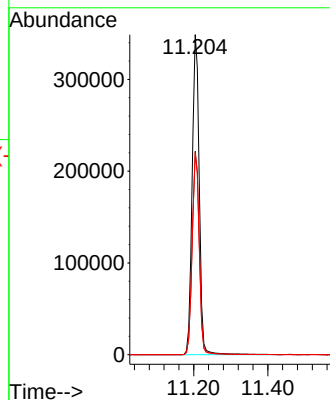
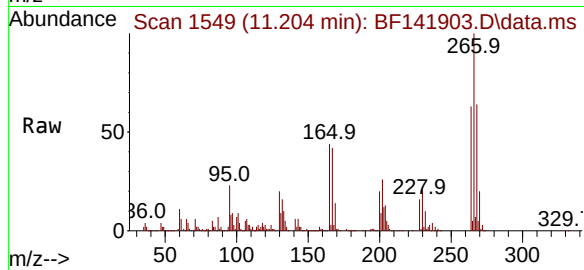




#70
Pentachlorophenol
Concen: 65.893 ng
RT: 11.204 min Scan# 1549
Delta R.T. 0.000 min
Lab File: BF141903.D
Acq: 10 Mar 2025 13:57

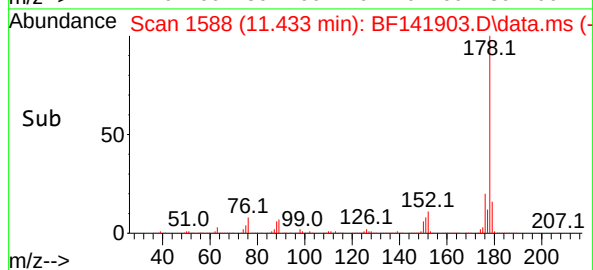
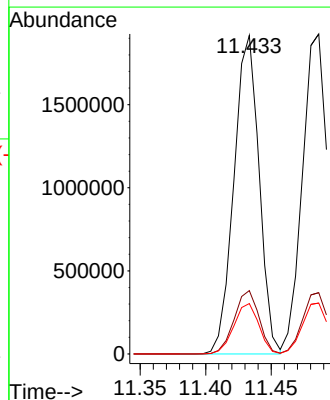
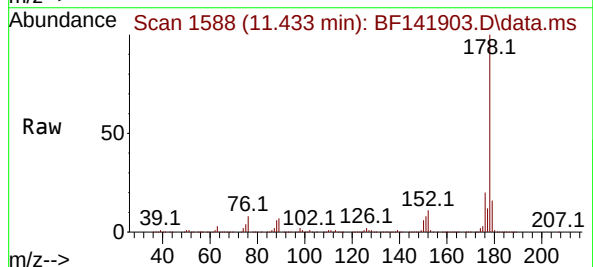
Instrument :
BNA_F
ClientSampleId :
SSTDICC060

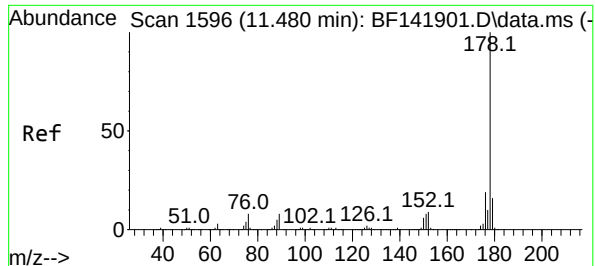
Tgt Ion:266 Resp: 462709
Ion Ratio Lower Upper
266 100
268 63.5 51.0 76.6
264 63.1 50.2 75.2



#71
Phenanthrene
Concen: 57.232 ng
RT: 11.433 min Scan# 1588
Delta R.T. 0.006 min
Lab File: BF141903.D
Acq: 10 Mar 2025 13:57

Tgt Ion:178 Resp: 2560092
Ion Ratio Lower Upper
178 100
176 19.9 15.8 23.8
179 15.8 12.6 19.0

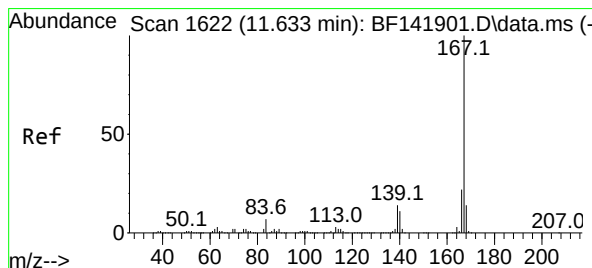
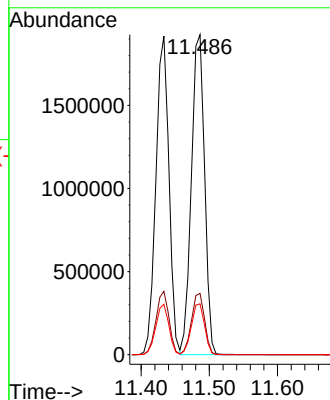
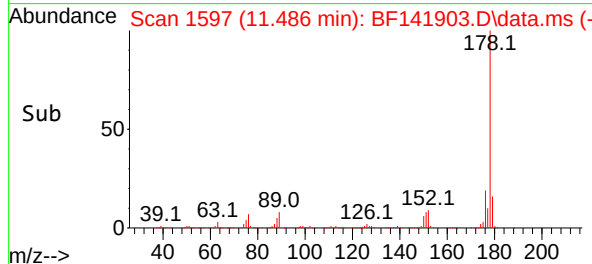
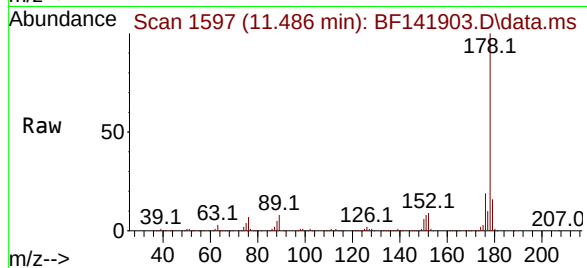




#72
Anthracene
Concen: 57.281 ng
RT: 11.486 min Scan# 1596
Delta R.T. 0.006 min
Lab File: BF141903.D
Acq: 10 Mar 2025 13:57

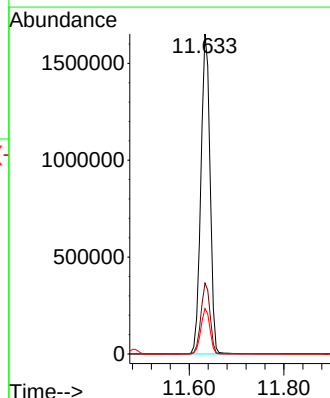
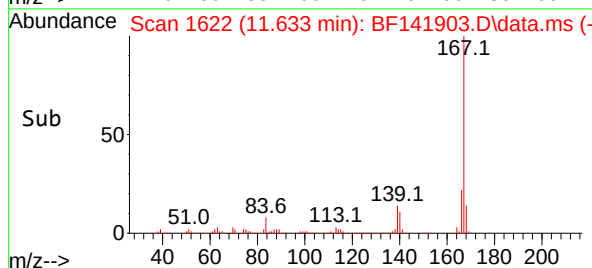
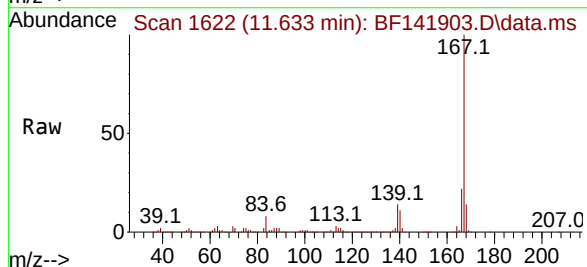
Instrument :
BNA_F
ClientSampleId :
SSTDICC060

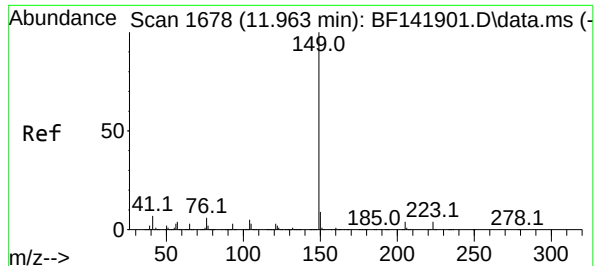
Tgt Ion:178 Resp: 2570717
Ion Ratio Lower Upper
178 100
176 19.2 15.1 22.7
179 15.9 12.6 19.0



#73
Carbazole
Concen: 57.284 ng
RT: 11.633 min Scan# 1622
Delta R.T. 0.000 min
Lab File: BF141903.D
Acq: 10 Mar 2025 13:57

Tgt Ion:167 Resp: 2213331
Ion Ratio Lower Upper
167 100
166 22.1 17.4 26.2
139 14.2 11.0 16.6

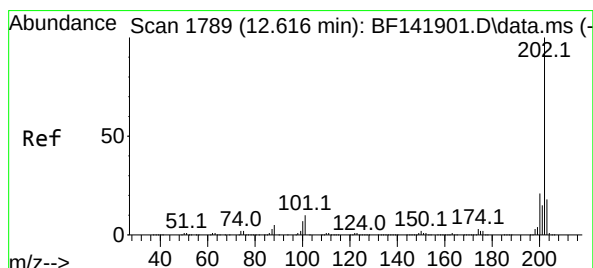
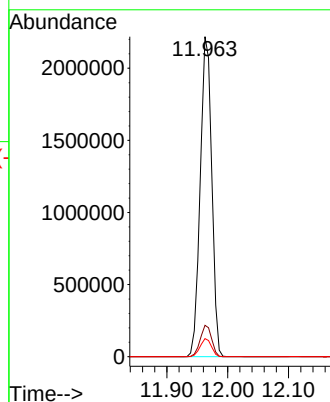
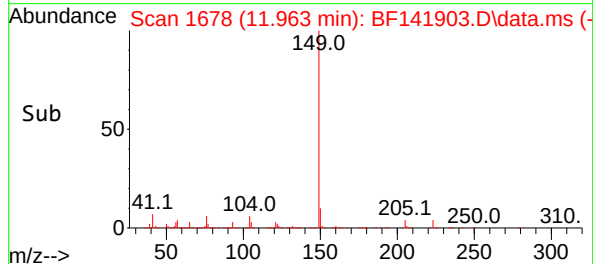
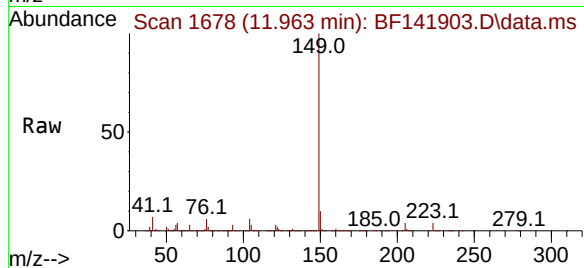




#74
Di-n-butylphthalate
Concen: 57.161 ng
RT: 11.963 min Scan# 1678
Delta R.T. 0.000 min
Lab File: BF141903.D
Acq: 10 Mar 2025 13:57

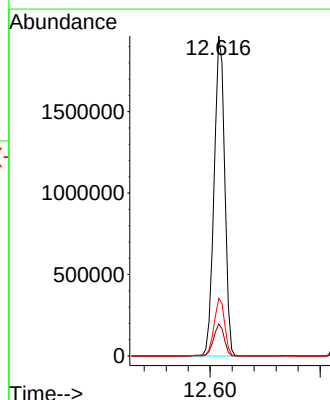
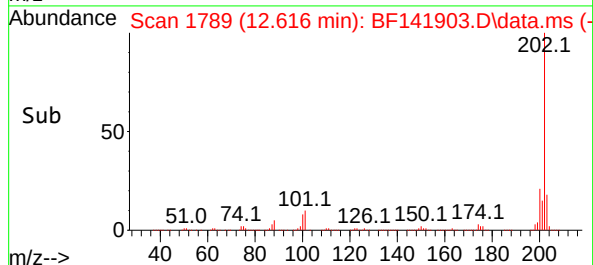
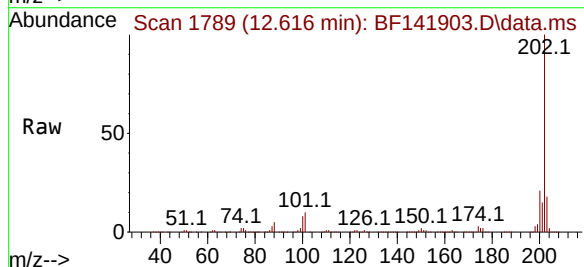
Instrument :
BNA_F
ClientSampleId :
SSTDICC060

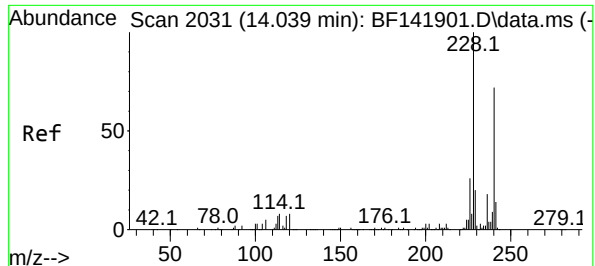
Tgt Ion:149 Resp: 2916048
Ion Ratio Lower Upper
149 100
150 9.8 7.6 11.4
104 5.6 4.4 6.6



#75
Fluoranthene
Concen: 55.984 ng
RT: 12.616 min Scan# 1789
Delta R.T. 0.000 min
Lab File: BF141903.D
Acq: 10 Mar 2025 13:57

Tgt Ion:202 Resp: 2628993
Ion Ratio Lower Upper
202 100
101 10.0 0.0 29.7
203 18.0 0.0 37.8

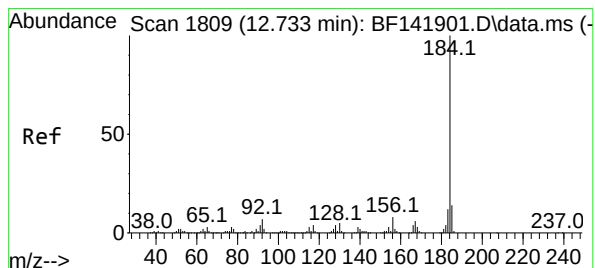
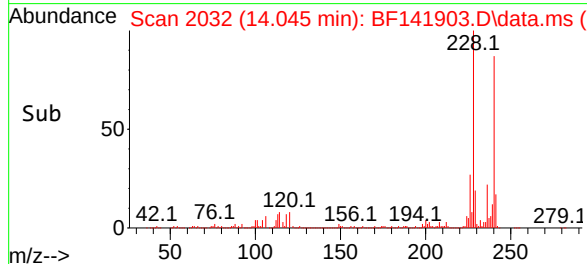
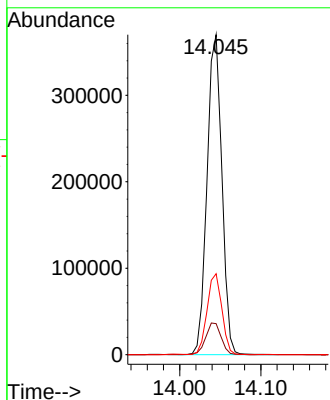
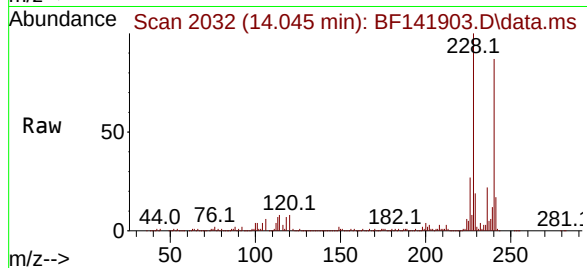




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.045 min Scan# 2031
Delta R.T. 0.006 min
Lab File: BF141903.D
Acq: 10 Mar 2025 13:57

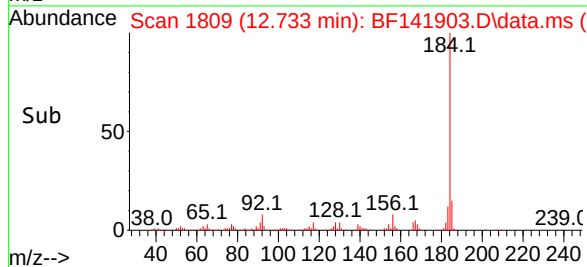
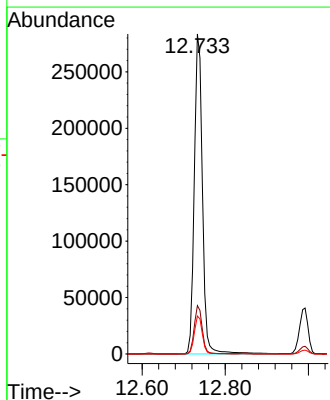
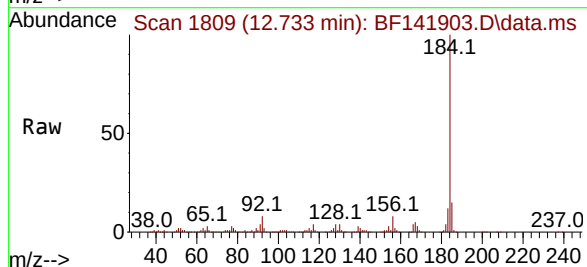
Instrument :
BNA_F
ClientSampleId :
SSTDICC060

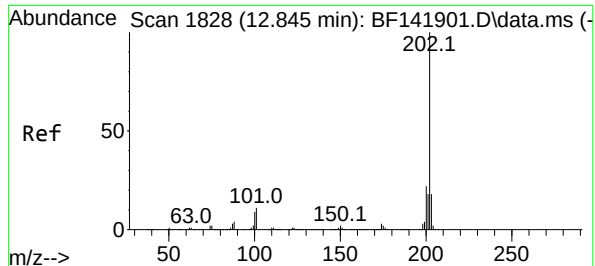
Tgt Ion:240 Resp: 468454
Ion Ratio Lower Upper
240 100
120 9.7 8.4 12.6
236 25.3 20.5 30.7



#77
Benzidine
Concen: 58.309 ng
RT: 12.733 min Scan# 1809
Delta R.T. 0.000 min
Lab File: BF141903.D
Acq: 10 Mar 2025 13:57

Tgt Ion:184 Resp: 386007
Ion Ratio Lower Upper
184 100
185 15.1 11.5 17.3
183 11.9 9.7 14.5

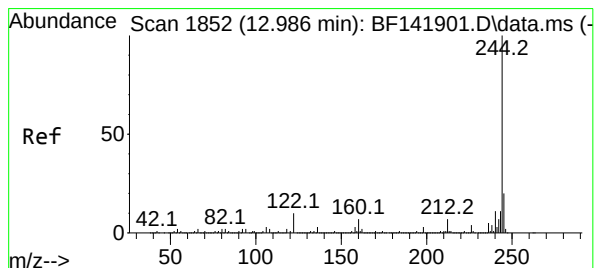
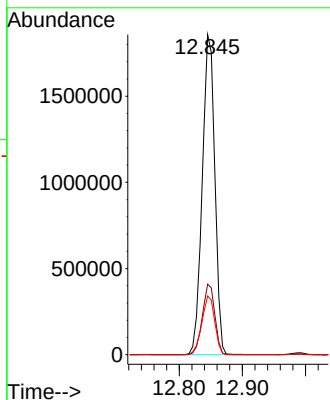
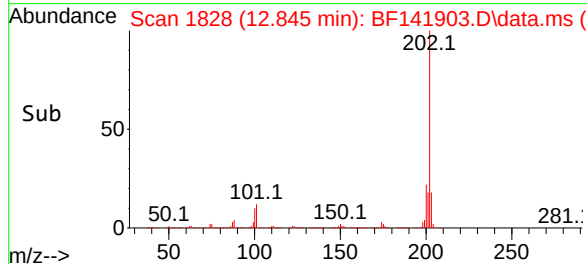
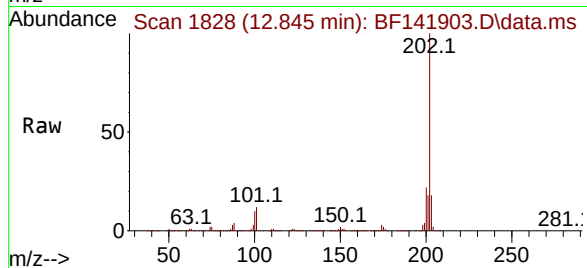




#78
Pyrene
Concen: 63.781 ng
RT: 12.845 min Scan# 1828
Delta R.T. 0.000 min
Lab File: BF141903.D
Acq: 10 Mar 2025 13:57

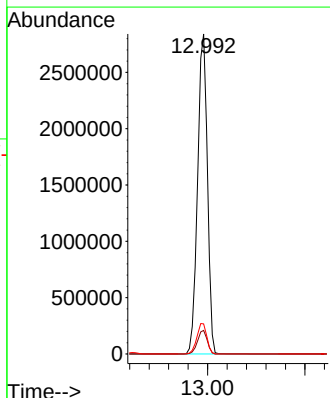
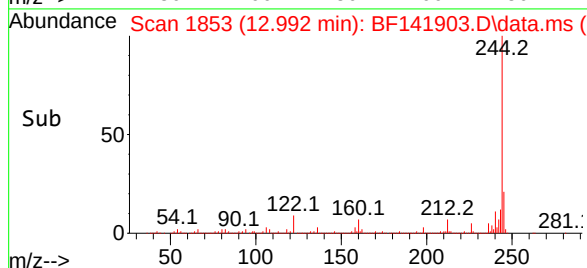
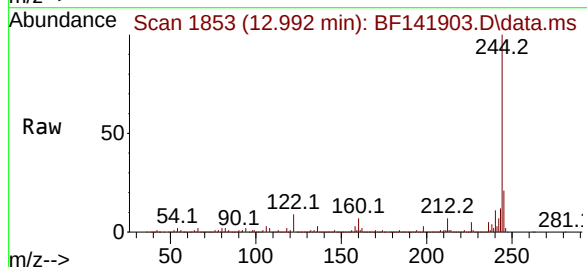
Instrument :
BNA_F
ClientSampleId :
SSTDICC060

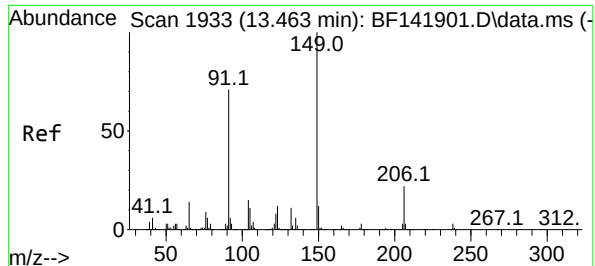
Tgt Ion:202 Resp: 2562337
Ion Ratio Lower Upper
202 100
200 22.0 17.3 25.9
203 18.4 14.4 21.6



#79
Terphenyl-d14
Concen: 125.675 ng
RT: 12.992 min Scan# 1853
Delta R.T. 0.006 min
Lab File: BF141903.D
Acq: 10 Mar 2025 13:57

Tgt Ion:244 Resp: 3982780
Ion Ratio Lower Upper
244 100
212 7.3 6.0 9.0
122 9.4 7.7 11.5

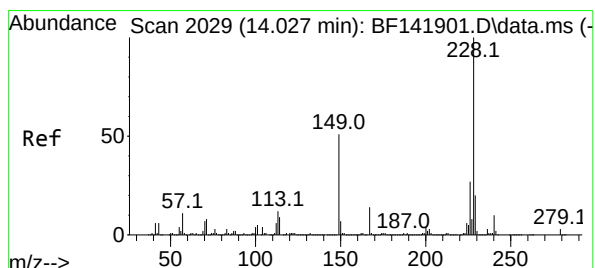
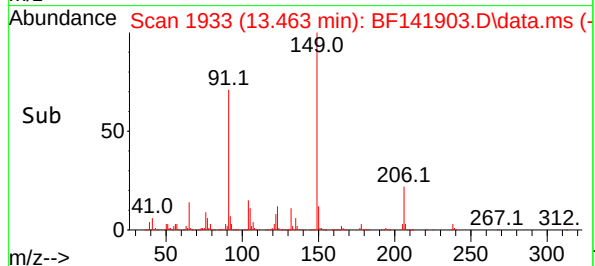
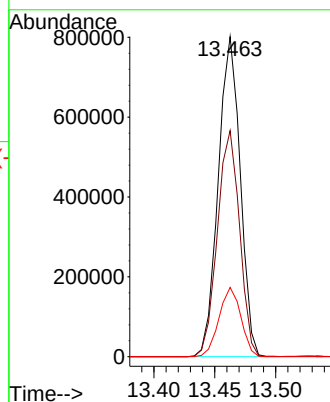
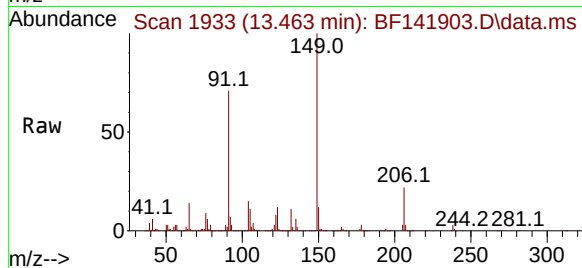




#80
Butylbenzylphthalate
Concen: 63.676 ng
RT: 13.463 min Scan# 1933
Delta R.T. 0.000 min
Lab File: BF141903.D
Acq: 10 Mar 2025 13:57

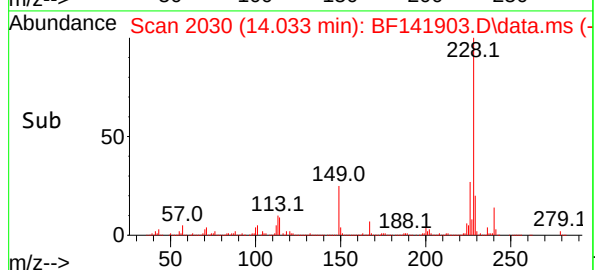
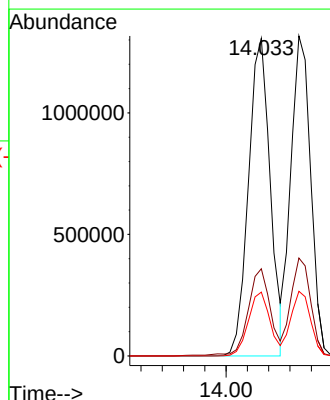
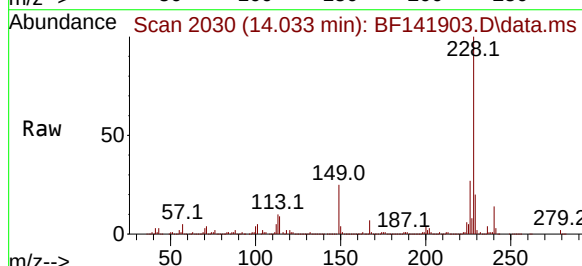
Instrument :
BNA_F
ClientSampleId :
SSTDICC060

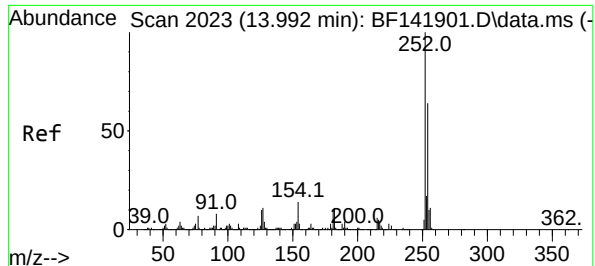
Tgt Ion:149 Resp: 1008043
Ion Ratio Lower Upper
149 100
91 70.7 56.5 84.7
206 21.6 17.3 25.9



#81
Benzo(a)anthracene
Concen: 60.040 ng
RT: 14.033 min Scan# 2030
Delta R.T. 0.006 min
Lab File: BF141903.D
Acq: 10 Mar 2025 13:57

Tgt Ion:228 Resp: 1850347
Ion Ratio Lower Upper
228 100
226 27.4 21.8 32.8
229 20.1 16.0 24.0





#82

3,3'-Dichlorobenzidine

Concen: 62.091 ng

RT: 13.992 min Scan# 2023

Delta R.T. 0.000 min

Lab File: BF141903.D

Acq: 10 Mar 2025 13:57

Instrument :

BNA_F

ClientSampleId :

SSTDICC060

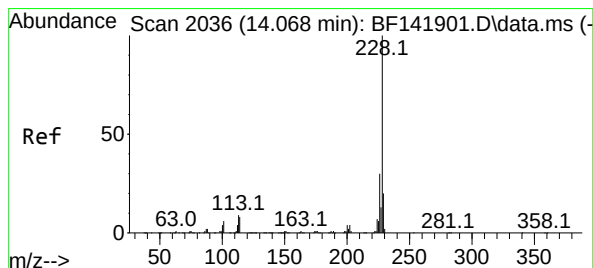
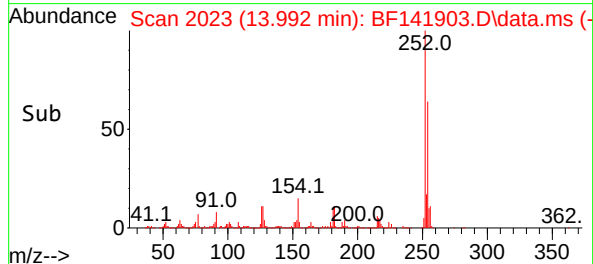
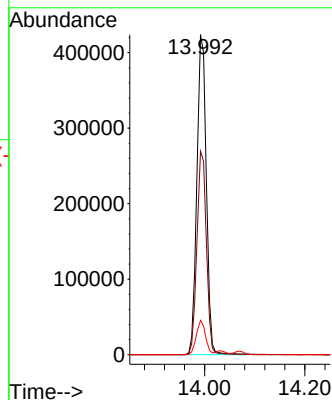
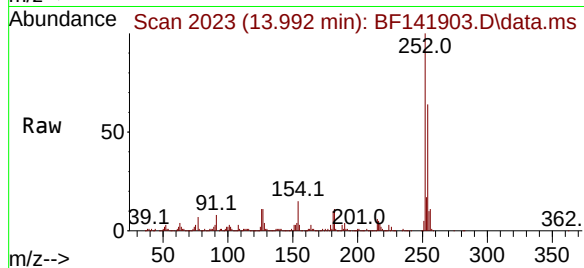
Tgt Ion:252 Resp: 553078

Ion Ratio Lower Upper

252 100

254 63.6 51.0 76.6

126 10.7 8.4 12.6



#83

Chrysene

Concen: 61.596 ng

RT: 14.068 min Scan# 2036

Delta R.T. 0.000 min

Lab File: BF141903.D

Acq: 10 Mar 2025 13:57

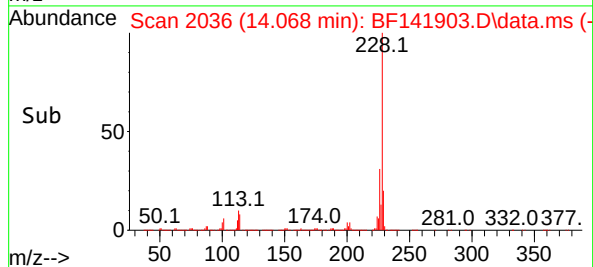
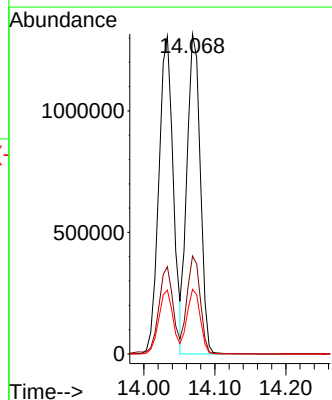
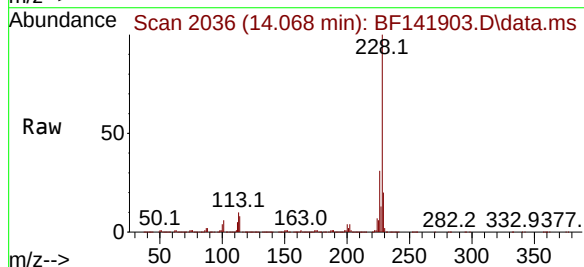
Tgt Ion:228 Resp: 1705257

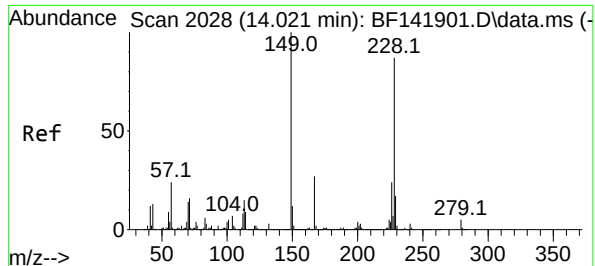
Ion Ratio Lower Upper

228 100

226 30.6 24.1 36.1

229 20.2 15.7 23.5

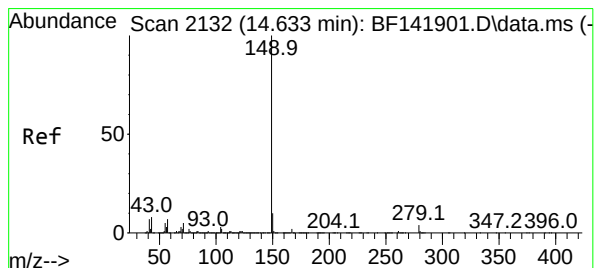
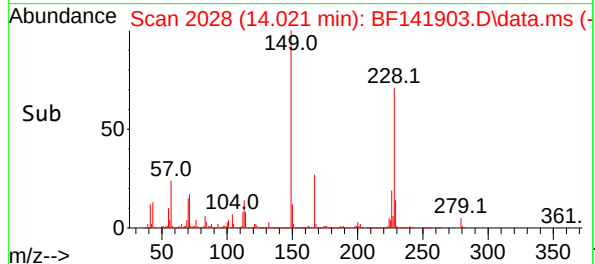
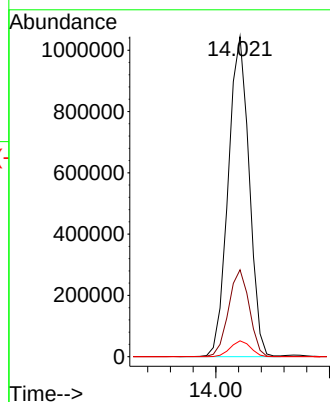
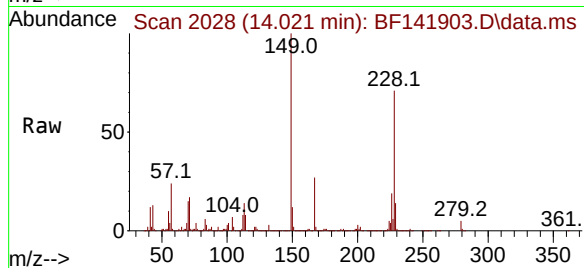




#84
Bis(2-ethylhexyl)phthalate
Concen: 61.582 ng
RT: 14.021 min Scan# 2028
Delta R.T. 0.000 min
Lab File: BF141903.D
Acq: 10 Mar 2025 13:57

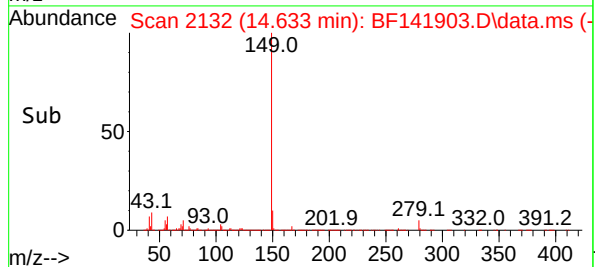
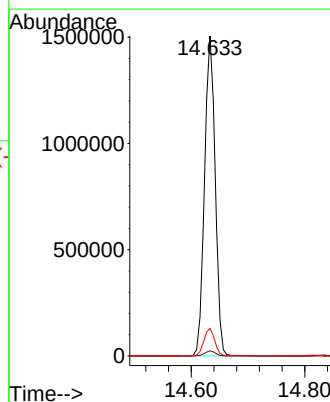
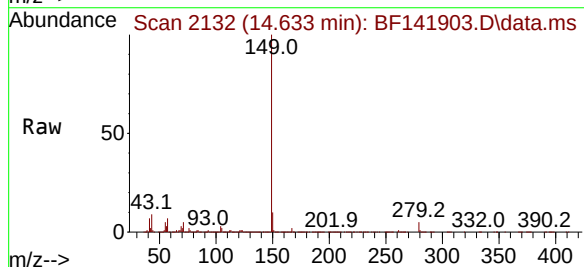
Instrument :
BNA_F
ClientSampleId :
SSTDICC060

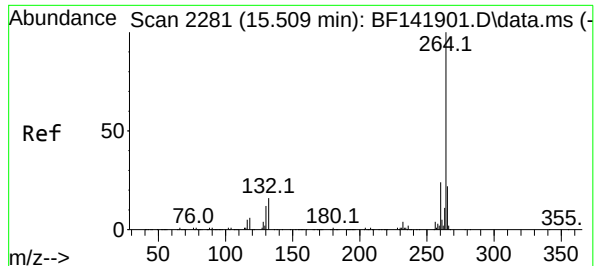
Tgt Ion:149 Resp: 1337474
Ion Ratio Lower Upper
149 100
167 27.1 21.4 32.0
279 4.9 3.8 5.6



#85
Di-n-octyl phthalate
Concen: 64.613 ng
RT: 14.633 min Scan# 2132
Delta R.T. 0.000 min
Lab File: BF141903.D
Acq: 10 Mar 2025 13:57

Tgt Ion:149 Resp: 1953184
Ion Ratio Lower Upper
149 100
167 1.6 1.3 1.9
43 8.9 6.9 10.3

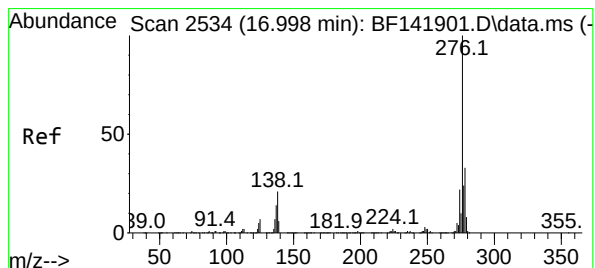
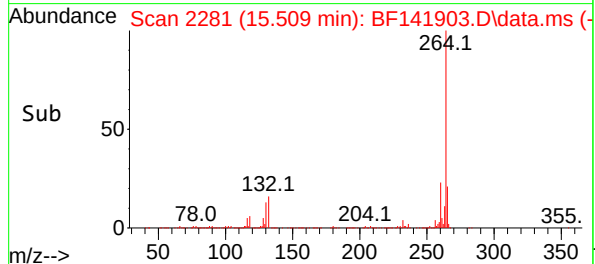
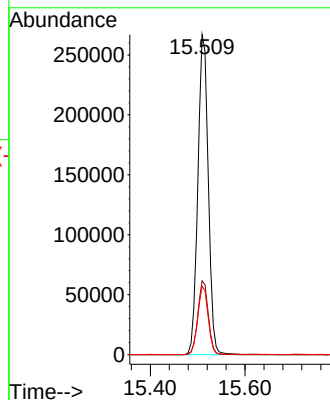
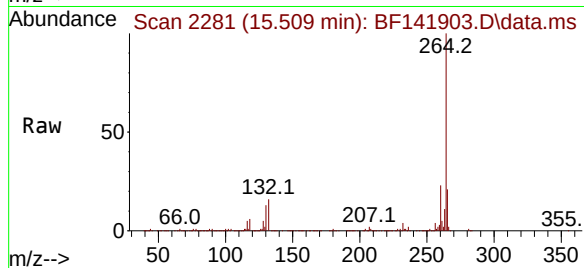




#86
Perylene-d12
Concen: 20.000 ng
RT: 15.509 min Scan# 21
Delta R.T. 0.000 min
Lab File: BF141903.D
Acq: 10 Mar 2025 13:57

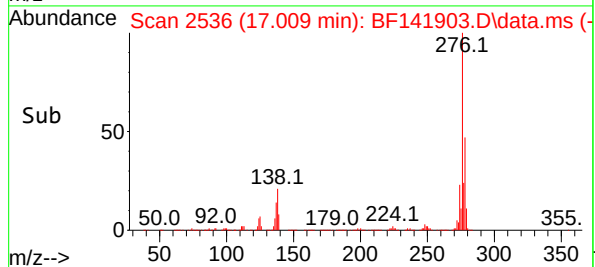
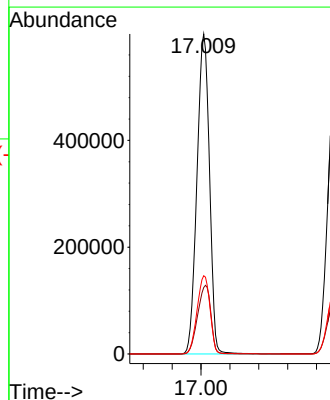
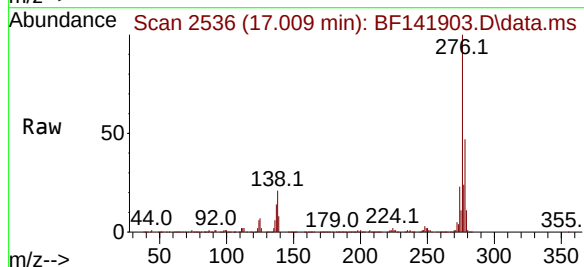
Instrument :
BNA_F
ClientSampleId :
SSTDICC060

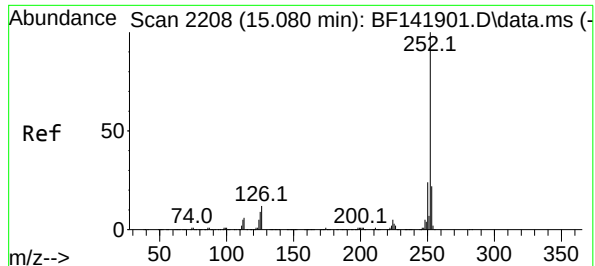
Tgt Ion:264 Resp: 407346
Ion Ratio Lower Upper
264 100
260 23.1 19.1 28.7
265 21.4 17.5 26.3



#87
Indeno(1,2,3-cd)pyrene
Concen: 68.115 ng
RT: 17.009 min Scan# 2536
Delta R.T. 0.012 min
Lab File: BF141903.D
Acq: 10 Mar 2025 13:57

Tgt Ion:276 Resp: 1799372
Ion Ratio Lower Upper
276 100
138 22.7 18.4 27.6
277 25.2 20.3 30.5





#88

Benzo(b)fluoranthene

Concen: 61.481 ng

RT: 15.080 min Scan# 2208

Delta R.T. 0.000 min

Lab File: BF141903.D

Acq: 10 Mar 2025 13:57

Instrument :

BNA_F

ClientSampleId :

SSTDICC060

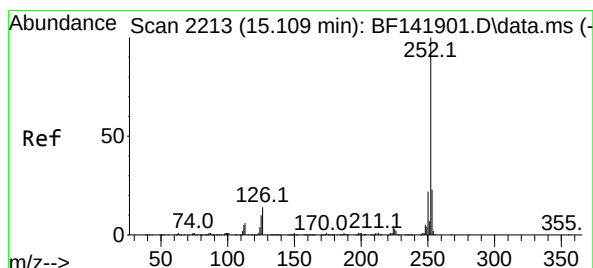
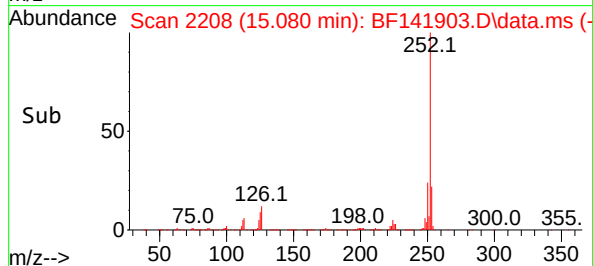
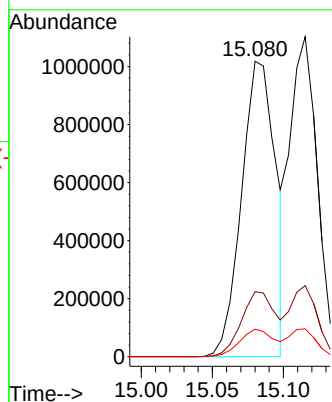
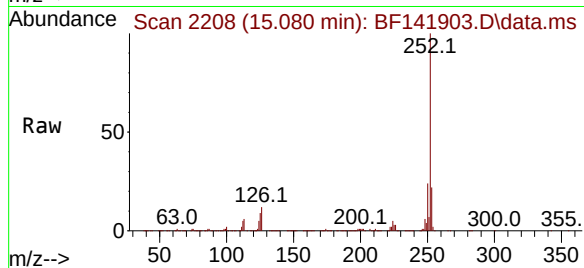
Tgt Ion:252 Resp: 1698744

Ion Ratio Lower Upper

252 100

253 22.0 17.5 26.3

125 9.3 7.0 10.4



#89

Benzo(k)fluoranthene

Concen: 61.253 ng

RT: 15.115 min Scan# 2214

Delta R.T. 0.006 min

Lab File: BF141903.D

Acq: 10 Mar 2025 13:57

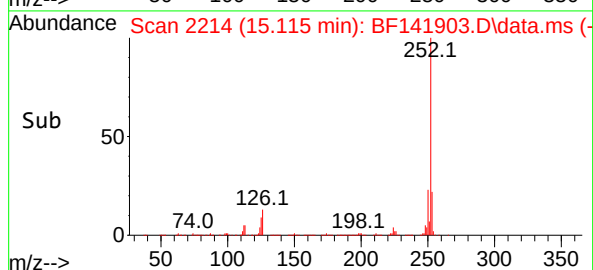
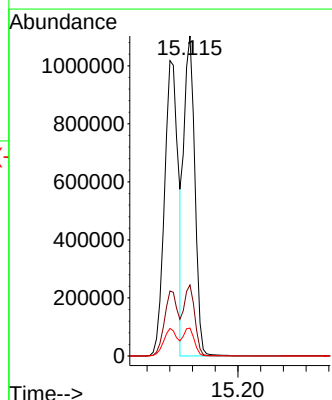
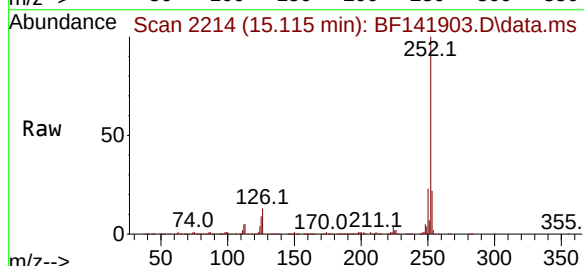
Tgt Ion:252 Resp: 1478389

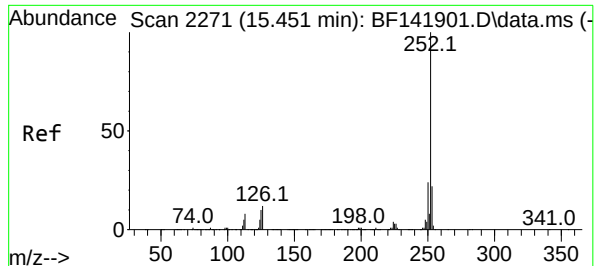
Ion Ratio Lower Upper

252 100

253 22.2 17.7 26.5

125 8.7 7.2 10.8

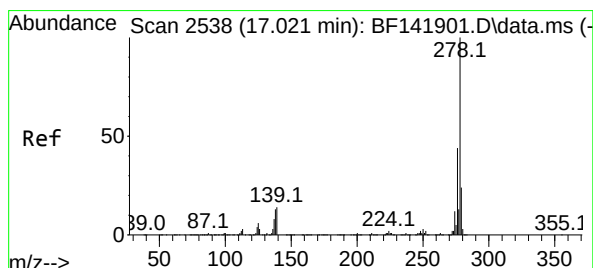
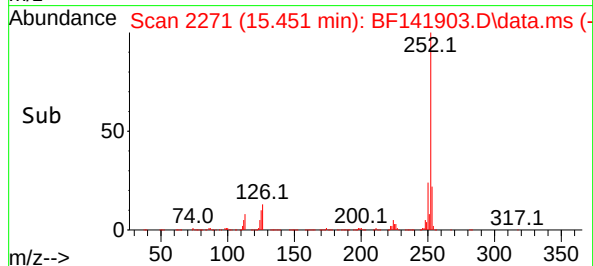
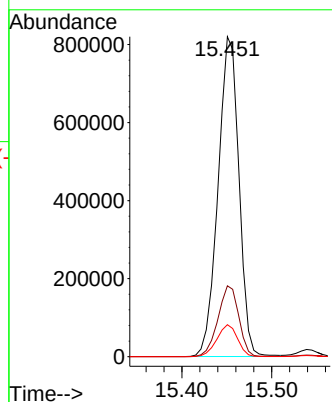
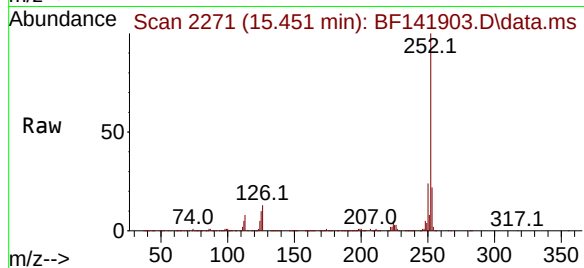




#90
Benzo(a)pyrene
Concen: 60.747 ng
RT: 15.451 min Scan# 2271
Delta R.T. 0.000 min
Lab File: BF141903.D
Acq: 10 Mar 2025 13:57

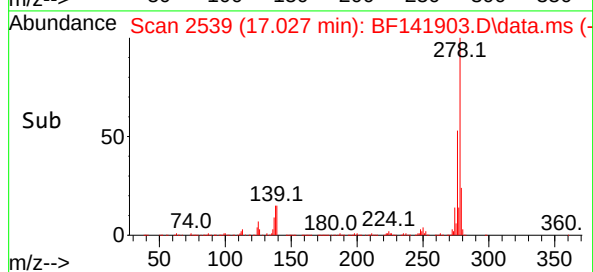
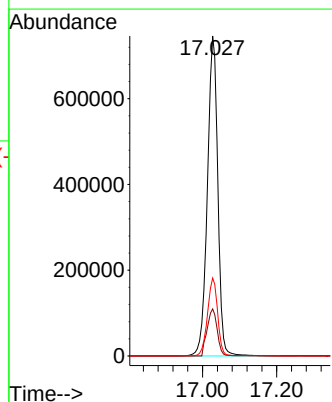
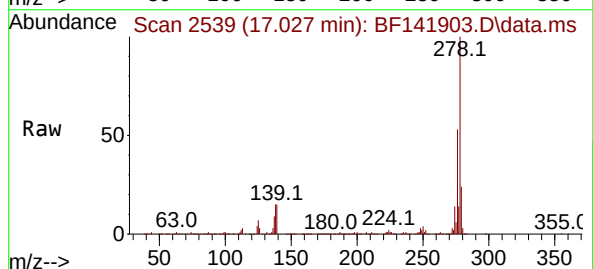
Instrument :
BNA_F
ClientSampleId :
SSTDICC060

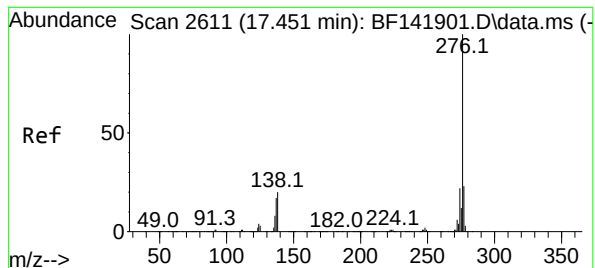
Tgt Ion:252 Resp: 1323726
Ion Ratio Lower Upper
252 100
253 22.1 17.4 26.0
125 10.0 7.8 11.8



#91
Dibenzo(a,h)anthracene
Concen: 66.981 ng
RT: 17.027 min Scan# 2539
Delta R.T. 0.006 min
Lab File: BF141903.D
Acq: 10 Mar 2025 13:57

Tgt Ion:278 Resp: 1459934
Ion Ratio Lower Upper
278 100
139 14.7 11.4 17.2
279 24.3 18.8 28.2





#92

Benzo(g,h,i)perylene

Concen: 65.942 ng

RT: 17.462 min Scan# 20

Delta R.T. 0.012 min

Lab File: BF141903.D

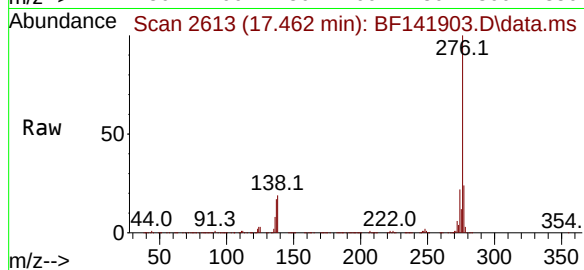
Acq: 10 Mar 2025 13:57

Instrument :

BNA_F

ClientSampleId :

SSTDICC060



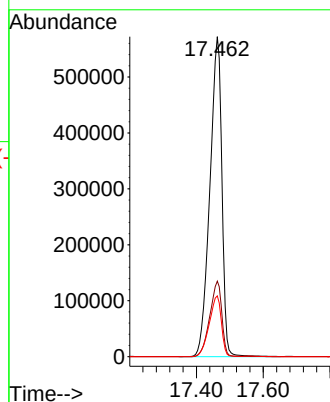
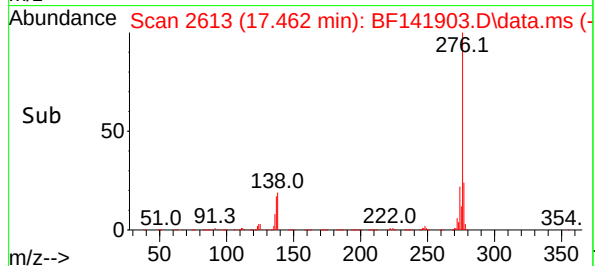
Tgt Ion:276 Resp: 1425582

Ion Ratio Lower Upper

276 100

277 23.6 18.7 28.1

138 19.0 15.8 23.8



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF031025\
 Data File : BF141904.D
 Acq On : 10 Mar 2025 14:27
 Operator : RC/JU
 Sample : SSTDICC080
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SSTDICC080

Manual Integrations
 APPROVED

Reviewed By :Anahy Claudio 03/11/2025
 Supervised By :Jagrut Upadhyay 03/11/2025

Quant Time: Mar 10 15:37:59 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF031025.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Mar 10 15:01:52 2025
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.887	152	214737	20.000	ng	0.00
21) Naphthalene-d8	8.169	136	826030	20.000	ng	0.00
39) Acenaphthene-d10	9.922	164	452864	20.000	ng	0.00
64) Phenanthrene-d10	11.404	188	738472	20.000	ng	0.00
76) Chrysene-d12	14.045	240	424370	20.000	ng	0.00
86) Perylene-d12	15.510	264	391768	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.498	112	1930406	149.991	ng	0.00
7) Phenol-d6	6.522	99	2446183	149.235	ng	0.02
23) Nitrobenzene-d5	7.457	82	2335417	158.463	ng	0.01
42) 2,4,6-Tribromophenol	10.716	330	986206	171.858	ng	0.01
45) 2-Fluorobiphenyl	9.245	172	4513418	151.763	ng	0.00
79) Terphenyl-d14	12.992	244	4700026	163.713	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	2.669	88	436007	80.831	ng	98
3) Pyridine	3.440	79	1059473	79.923	ng	99
4) n-Nitrosodimethylamine	3.416	42	521442	82.752	ng	99
6) Aniline	6.563	93	1160437	71.712	ng	99
8) 2-Chlorophenol	6.675	128	1078659	75.616	ng	98
10) Phenol	6.534	94	1285145	74.308	ng	89
11) bis(2-Chloroethyl)ether	6.628	93	968280	74.725	ng	99
12) 1,3-Dichlorobenzene	6.828	146	1173924	76.153	ng	100
13) 1,4-Dichlorobenzene	6.904	146	1181975	75.784	ng	99
14) 1,2-Dichlorobenzene	7.063	146	1093316	74.440	ng	99
15) Benzyl Alcohol	7.034	79	1013314	76.376	ng	98
16) 2,2'-oxybis(1-Chloropr...	7.163	45	1127534	72.198	ng	98
17) 2-Methylphenol	7.134	107	876665	77.326	ng	98
18) Hexachloroethane	7.398	117	448765	76.745	ng	96
19) n-Nitroso-di-n-propyla...	7.316	70	783318	74.351	ng	100
20) 3+4-Methylphenols	7.298	107	1050191	72.219	ng	# 84
22) Acetophenone	7.304	105	1496035	75.498	ng	# 95
24) Nitrobenzene	7.475	77	1162753	79.572	ng	100
25) Isophorone	7.722	82	2056405	79.032	ng	100
26) 2-Nitrophenol	7.787	139	599261	83.688	ng	99
27) 2,4-Dimethylphenol	7.822	122	767514	77.821	ng	99
28) bis(2-Chloroethoxy)met...	7.916	93	1248549	76.598	ng	100
29) 2,4-Dichlorophenol	8.028	162	971886	79.403	ng	99
30) 1,2,4-Trichlorobenzene	8.110	180	1062793	78.705	ng	99
31) Naphthalene	8.192	128	3152444	74.497	ng	99
32) Benzoic acid	7.975	122	795850	92.323	ng	98
33) 4-Chloroaniline	8.239	127	1088546	72.896	ng	100
34) Hexachlorobutadiene	8.304	225	713827	81.299	ng	99
35) Caprolactam	8.639	113	311758m	83.763	ng	
36) 4-Chloro-3-methylphenol	8.716	107	1056917	77.644	ng	99
37) 2-Methylnaphthalene	8.881	142	2129990	75.023	ng	100
38) 1-Methylnaphthalene	8.981	142	2050191	74.568	ng	99
40) 1,2,4,5-Tetrachloroben...	9.045	216	1127671	81.667	ng	98
41) Hexachlorocyclopentadiene	9.028	237	463300	85.031	ng	99
43) 2,4,6-Trichlorophenol	9.157	196	741710	82.399	ng	100
44) 2,4,5-Trichlorophenol	9.198	196	736926	80.579	ng	100

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF031025\
 Data File : BF141904.D
 Acq On : 10 Mar 2025 14:27
 Operator : RC/JU
 Sample : SSTDICC080
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SSTDICC080

Manual Integrations
 APPROVED

Reviewed By :Anahy Claudio 03/11/2025
 Supervised By :Jagrut Upadhyay 03/11/2025

Quant Time: Mar 10 15:37:59 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF031025.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Mar 10 15:01:52 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) 1,1'-Biphenyl	9.345	154	2626697	76.503	ng	99
47) 2-Chloronaphthalene	9.369	162	1992242	77.859	ng	99
48) 2-Nitroaniline	9.463	65	597778	81.326	ng	98
49) Acenaphthylene	9.786	152	2878496	75.877	ng	99
50) Dimethylphthalate	9.657	163	2428843	77.192	ng	100
51) 2,6-Dinitrotoluene	9.710	165	529139	80.867	ng	99
52) Acenaphthene	9.957	154	2085941	77.872	ng	99
53) 3-Nitroaniline	9.881	138	526980	78.435	ng	100
54) 2,4-Dinitrophenol	9.981	184	305399	81.479	ng	# 55
55) Dibenzofuran	10.128	168	2844432	74.474	ng	99
56) 4-Nitrophenol	10.033	139	416153	82.456	ng	97
57) 2,4-Dinitrotoluene	10.116	165	681278	79.099	ng	95
58) Fluorene	10.475	166	2210653	74.974	ng	99
59) 2,3,4,6-Tetrachlorophenol	10.245	232	668027	80.507	ng	99
60) Diethylphthalate	10.345	149	2358921	74.681	ng	99
61) 4-Chlorophenyl-phenyle...	10.463	204	1209021	78.724	ng	97
62) 4-Nitroaniline	10.504	138	502894	77.243	ng	98
63) Azobenzene	10.622	77	2168742	73.911	ng	99
65) 4,6-Dinitro-2-methylph...	10.522	198	404505	92.396	ng	98
66) n-Nitrosodiphenylamine	10.586	169	1882098	78.895	ng	99
67) 4-Bromophenyl-phenylether	10.957	248	774645	84.232	ng	95
68) Hexachlorobenzene	11.016	284	862357	84.832	ng	97
70) Pentachlorophenol	11.210	266	563030	89.813	ng	100
71) Phenanthrene	11.433	178	3020950	75.649	ng	99
72) Anthracene	11.486	178	3031014	75.653	ng	99
73) Carbazole	11.639	167	2552563	74.002	ng	98
74) Di-n-butylphthalate	11.969	149	3342776	73.399	ng	99
75) Fluoranthene	12.622	202	3005566	71.694	ng	99
77) Benzidine	12.733	184	427770	71.330	ng	99
78) Pyrene	12.851	202	2930115	80.513	ng	99
80) Butylbenzylphthalate	13.463	149	1149989	80.189	ng	99
81) Benzo(a)anthracene	14.033	228	2196935	78.692	ng	100
82) 3,3'-Dichlorobenzidine	13.998	252	652678	80.884	ng	99
83) Chrysene	14.074	228	2018832	80.498	ng	99
84) Bis(2-ethylhexyl)phtha...	14.021	149	1573231	79.962	ng	98
85) Di-n-octyl phthalate	14.633	149	2310836	84.386	ng	100
87) Indeno(1,2,3-cd)pyrene	17.009	276	2238588	88.111	ng	99
88) Benzo(b)fluoranthene	15.086	252	2246428	84.536	ng	99
89) Benzo(k)fluoranthene	15.116	252	1631675	70.292	ng	99
90) Benzo(a)pyrene	15.457	252	1725632	82.339	ng	100
91) Dibenzo(a,h)anthracene	17.033	278	1846778	88.098	ng	99
92) Benzo(g,h,i)perylene	17.468	276	1828662	87.950	ng	99

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

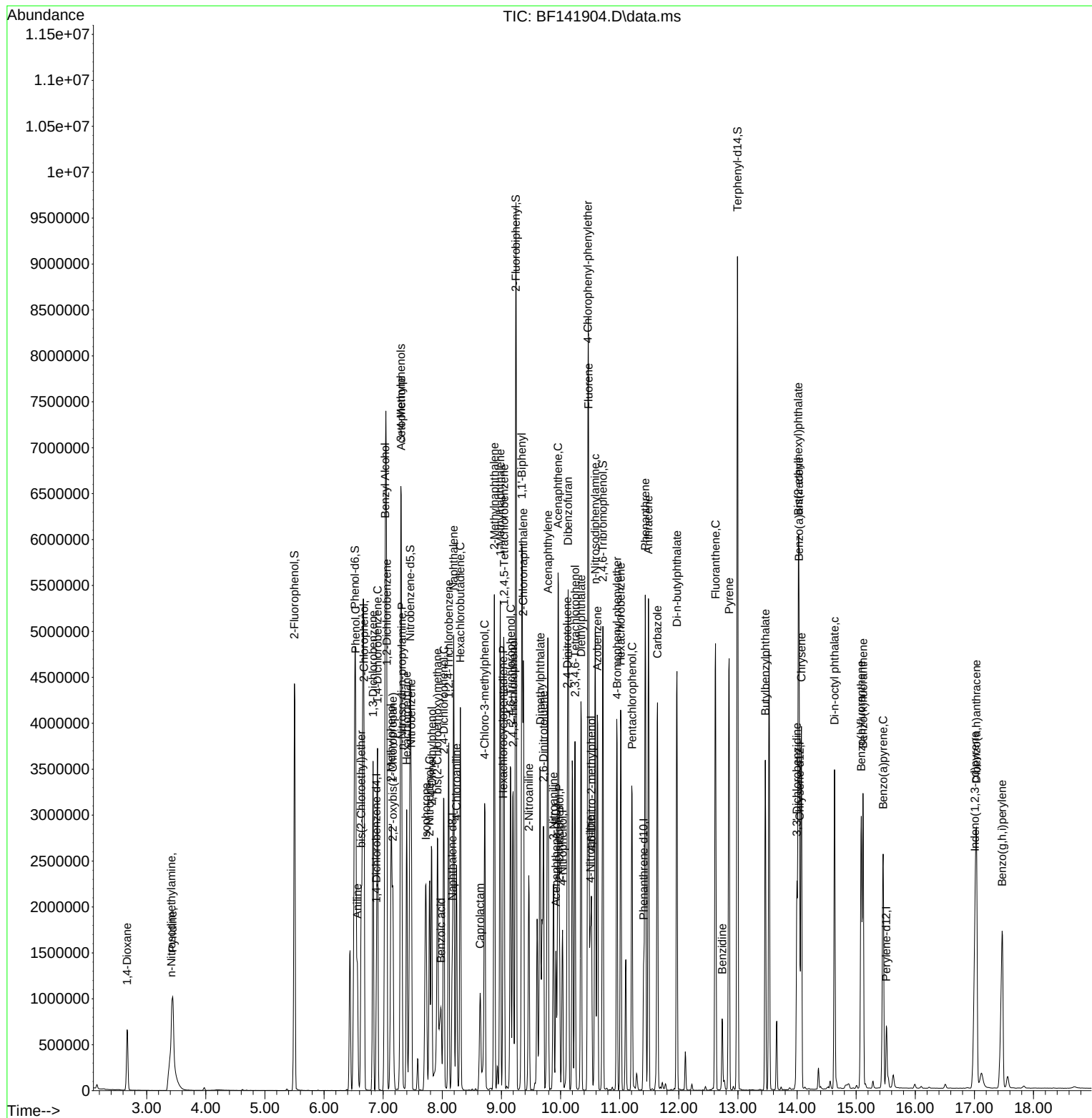
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Data File : BF141904.D  
Acq On    : 10 Mar 2025  14:27  
Operator  : RC/JU  
Sample    : SSTDICC080  
Misc      :  
ALS Vial  : 9    Sample Multiplier: 1
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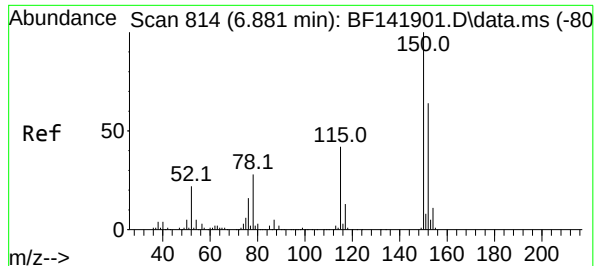
Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Manual Integrations

Reviewed By :Anahy Claudio 03/11/2025
Supervised By :Jagrut Upadhyay 03/11/2025

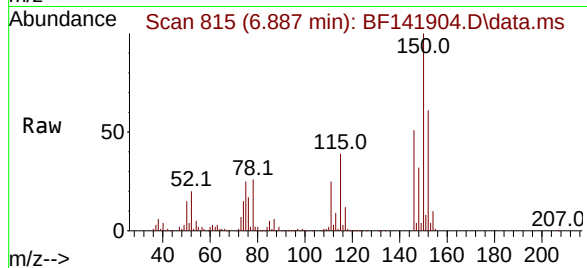
Quant Time: Mar 10 15:37:59 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF031025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Mar 10 15:01:52 2025
Response via : Initial Calibration





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.887 min Scan# 814
Delta R.T. 0.006 min
Lab File: BF141904.D
Acq: 10 Mar 2025 14:27

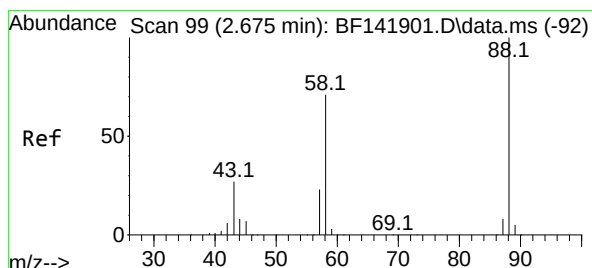
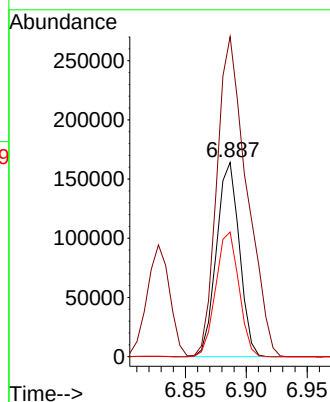
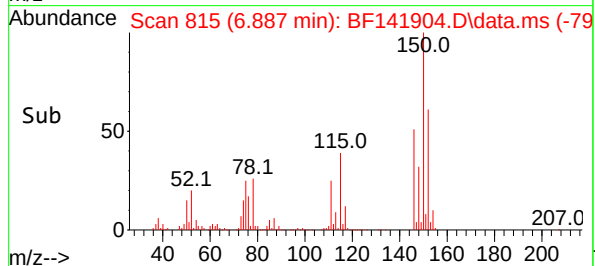
Instrument :
BNA_F
ClientSampleId :
SSTDICC080



Tgt Ion:152 Resp: 21473
Ion Ratio Lower Upper
152 100
150 164.7 127.4 191.2
115 64.2 51.9 77.9

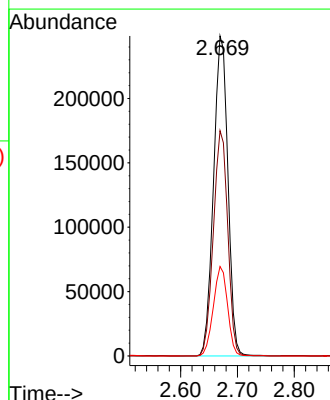
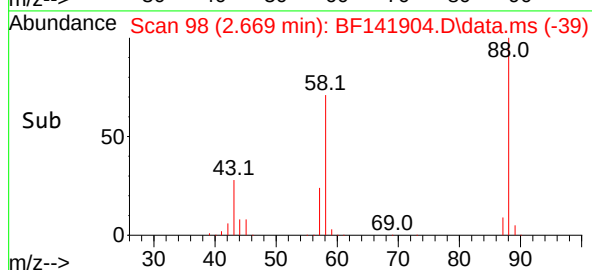
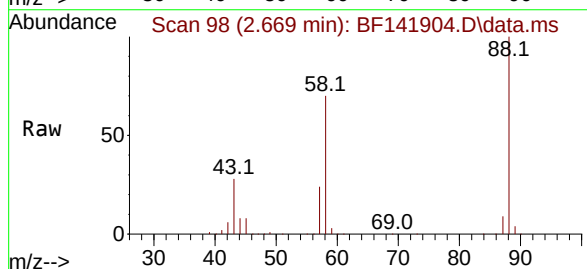
Manual Integrations
APPROVED

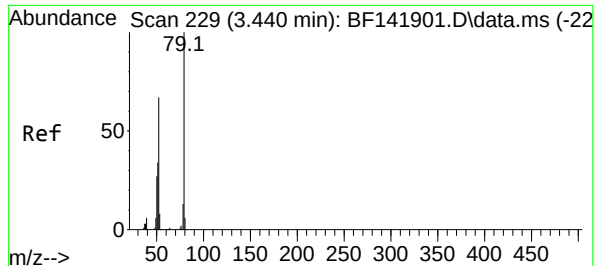
Reviewed By :Anahy Claudio 03/11/2025
Supervised By :Jagrut Upadhyay 03/11/2025



#2
1,4-Dioxane
Concen: 80.831 ng
RT: 2.669 min Scan# 98
Delta R.T. -0.006 min
Lab File: BF141904.D
Acq: 10 Mar 2025 14:27

Tgt Ion: 88 Resp: 436007
Ion Ratio Lower Upper
88 100
58 70.3 57.4 86.2
43 27.6 21.5 32.3





#3

Pyridine

Concen: 79.923 ng

RT: 3.440 min Scan# 21

Delta R.T. 0.000 min

Lab File: BF141904.D

Acq: 10 Mar 2025 14:27

Instrument :

BNA_F

ClientSampleId :

SSTDICC080

Tgt Ion: 79 Resp: 105947

Ion Ratio Lower Upper

79 100

52 66.9 53.3 79.9

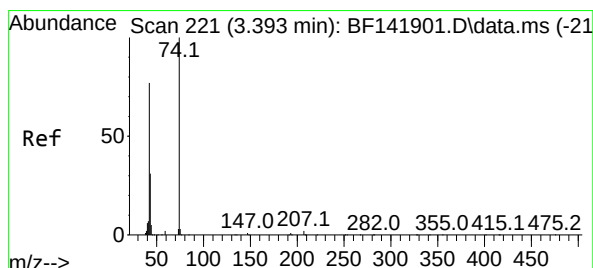
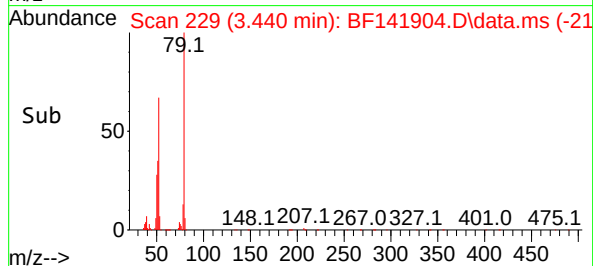
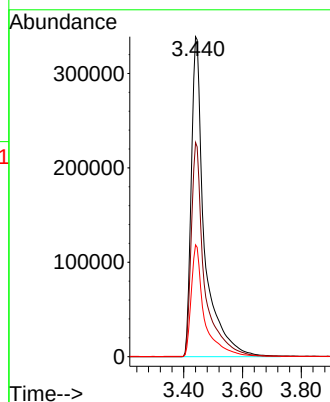
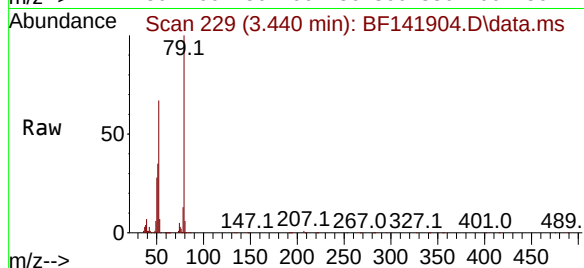
51 35.0 27.6 41.4

Manual Integrations

APPROVED

Reviewed By :Anahy Claudio 03/11/2025

Supervised By :Jagrut Upadhyay 03/11/2025



#4

n-Nitrosodimethylamine

Concen: 82.752 ng

RT: 3.416 min Scan# 225

Delta R.T. 0.024 min

Lab File: BF141904.D

Acq: 10 Mar 2025 14:27

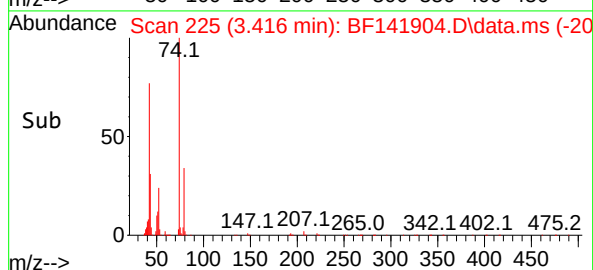
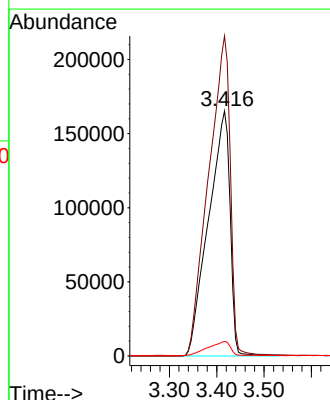
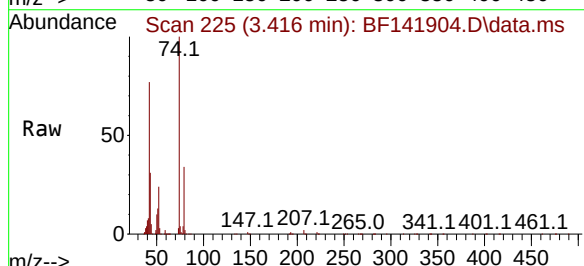
Tgt Ion: 42 Resp: 521442

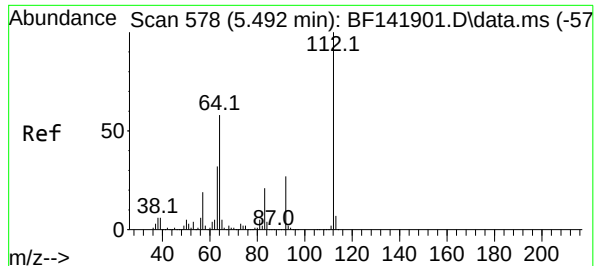
Ion Ratio Lower Upper

42 100

74 130.6 103.4 155.0

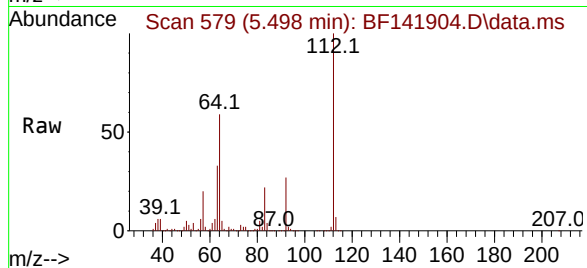
44 6.0 5.0 7.4





#5
2-Fluorophenol
Concen: 149.991 ng
RT: 5.498 min Scan# 51
Delta R.T. 0.006 min
Lab File: BF141904.D
Acq: 10 Mar 2025 14:27

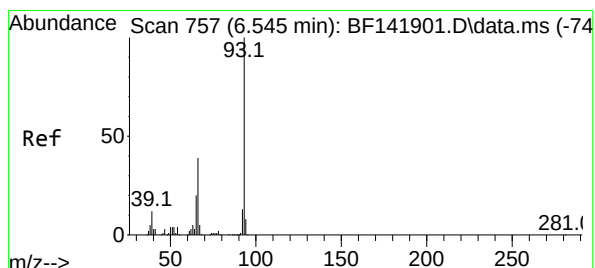
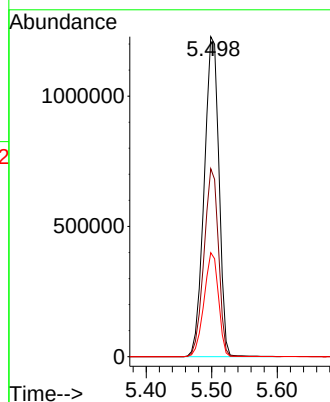
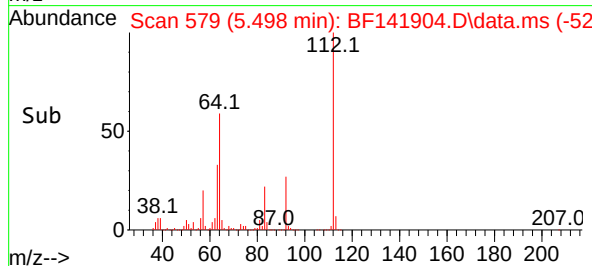
Instrument :
BNA_F
ClientSampleId :
SSTDICC080



Tgt Ion: 112 Resp: 1930400
Ion Ratio Lower Upper
112 100
64 58.7 46.5 69.7
63 32.5 25.4 38.2

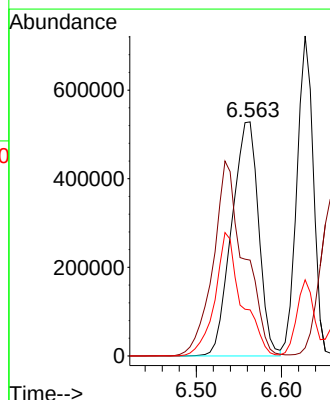
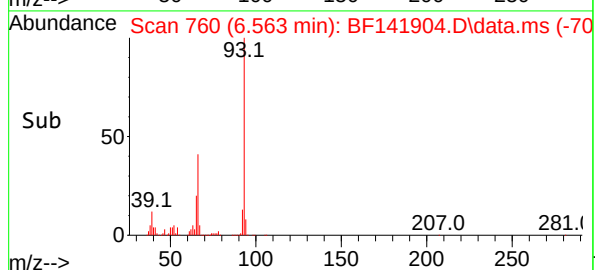
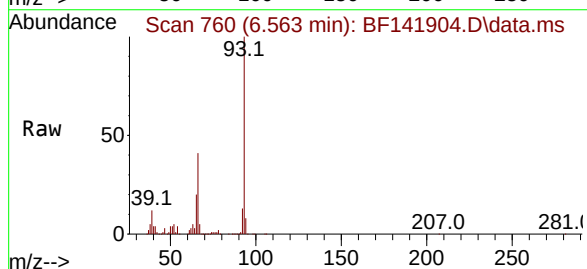
Manual Integrations
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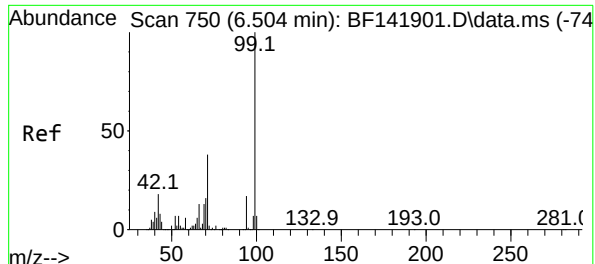
Reviewed By :Anahy Claudio 03/11/2025
Supervised By :Jagrut Upadhyay 03/11/2025



#6
Aniline
Concen: 71.712 ng
RT: 6.563 min Scan# 760
Delta R.T. 0.018 min
Lab File: BF141904.D
Acq: 10 Mar 2025 14:27

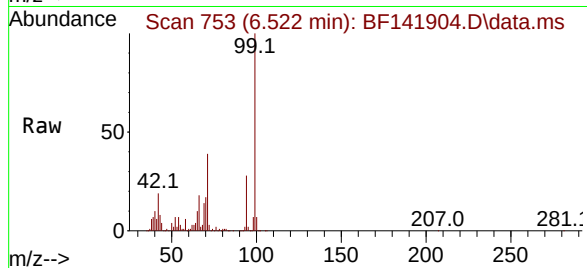
Tgt Ion: 93 Resp: 1160437
Ion Ratio Lower Upper
93 100
66 40.9 31.9 47.9
65 19.7 15.8 23.6





#7
Phenol-d6
Concen: 149.235 ng
RT: 6.522 min Scan# 753
Delta R.T. 0.018 min
Lab File: BF141904.D
Acq: 10 Mar 2025 14:27

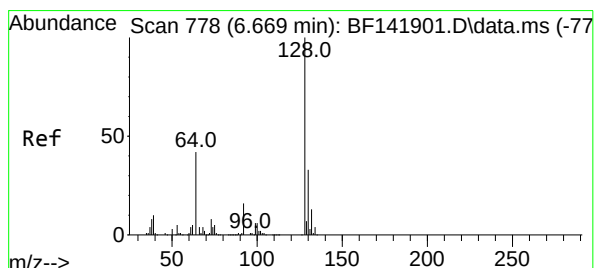
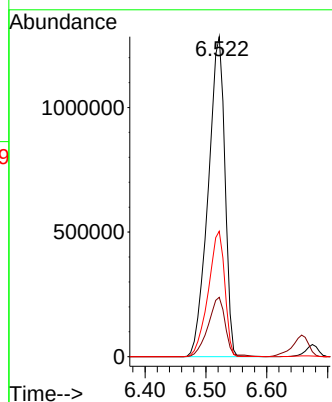
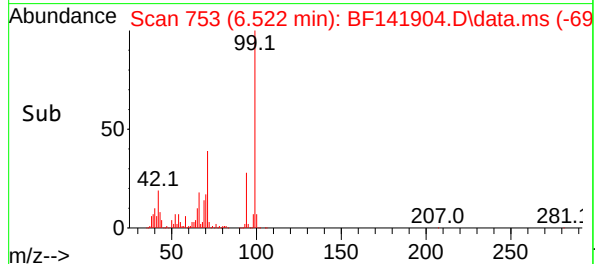
Instrument :
BNA_F
ClientSampleId :
SSTDICC080



Tgt Ion: 99 Resp: 244618
Ion Ratio Lower Upper
99 100
42 18.5 14.6 21.8
71 39.2 30.8 46.2

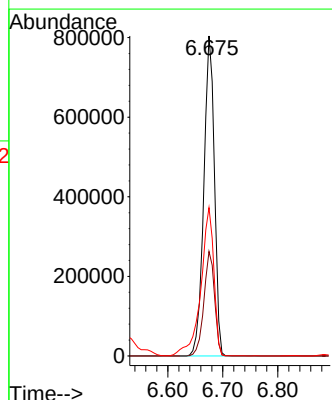
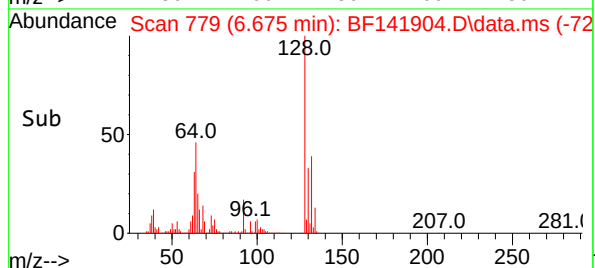
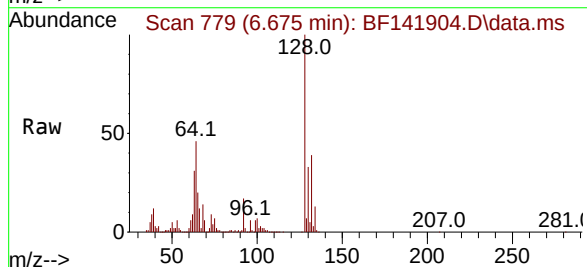
Manual Integrations
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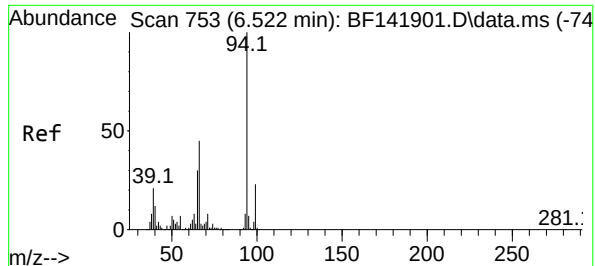
Reviewed By :Anahy Claudio 03/11/2025
Supervised By :Jagrut Upadhyay 03/11/2025



#8
2-Chlorophenol
Concen: 75.616 ng
RT: 6.675 min Scan# 779
Delta R.T. 0.006 min
Lab File: BF141904.D
Acq: 10 Mar 2025 14:27

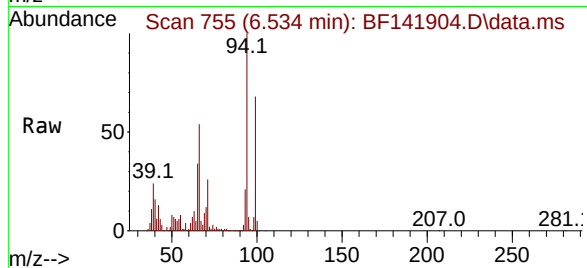
Tgt Ion:128 Resp: 1078659
Ion Ratio Lower Upper
128 100
130 32.7 12.8 52.8
64 46.4 24.4 64.4





#10
Phenol
Concen: 74.308 ng
RT: 6.534 min Scan# 710
Delta R.T. 0.012 min
Lab File: BF141904.D
Acq: 10 Mar 2025 14:27

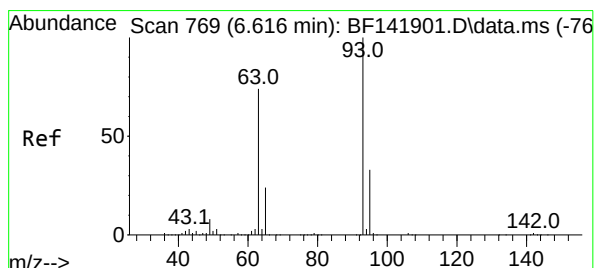
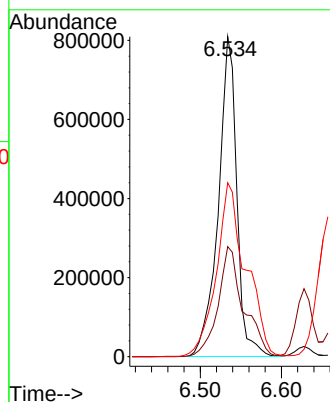
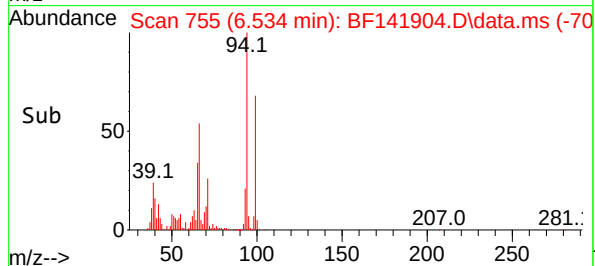
Instrument :
BNA_F
ClientSampleId :
SSTDICC080



Tgt Ion: 94 Resp: 128514
Ion Ratio Lower Upper
94 100
65 34.4 10.5 50.5
66 54.3 25.8 65.8

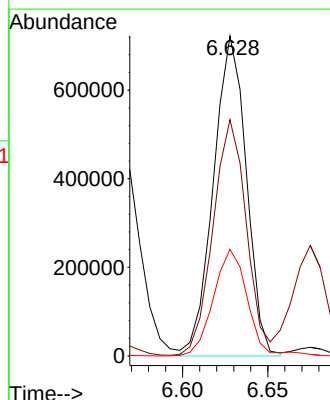
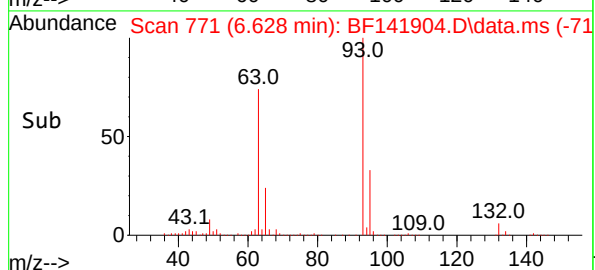
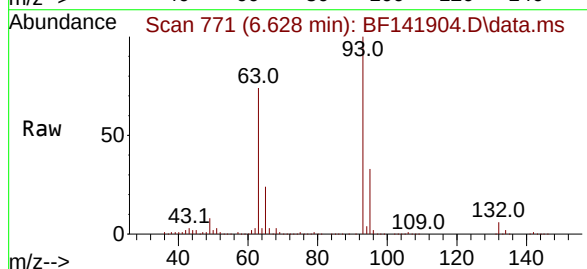
Manual Integrations
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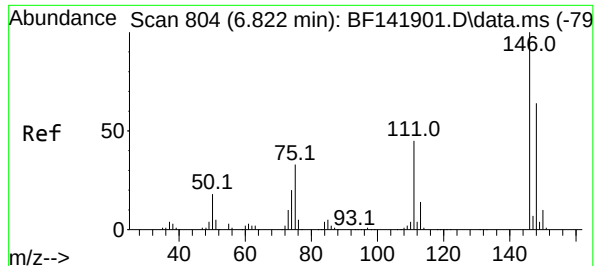
Reviewed By :Anahy Claudio 03/11/2025
Supervised By :Jagrut Upadhyay 03/11/2025



#11
bis(2-Chloroethyl)ether
Concen: 74.725 ng
RT: 6.628 min Scan# 771
Delta R.T. 0.012 min
Lab File: BF141904.D
Acq: 10 Mar 2025 14:27

Tgt Ion: 93 Resp: 968280
Ion Ratio Lower Upper
93 100
63 73.9 53.0 93.0
95 33.4 12.9 52.9





#12

1,3-Dichlorobenzene

Concen: 76.153 ng

RT: 6.828 min Scan# 804

Delta R.T. 0.006 min

Lab File: BF141904.D

Acq: 10 Mar 2025 14:27

Instrument :

BNA_F

ClientSampleId :

SSTDICC080

Tgt Ion:146 Resp: 1173924

Ion Ratio Lower Upper

146 100

148 64.2 51.3 76.9

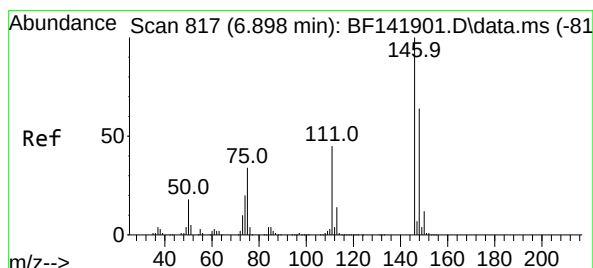
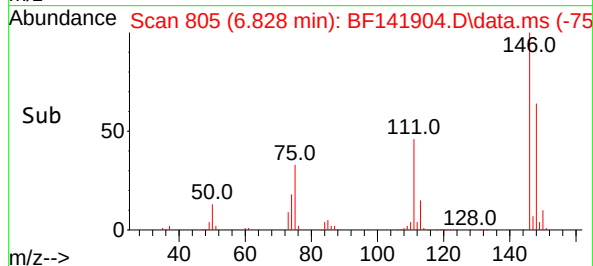
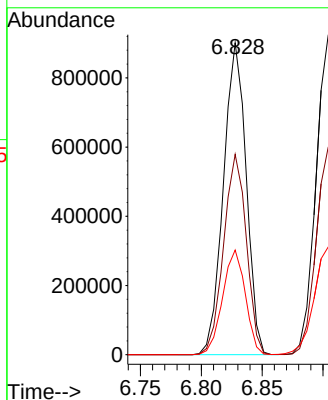
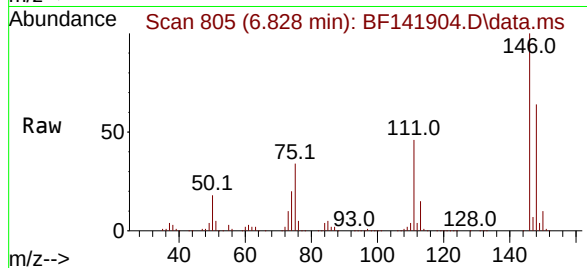
75 33.6 26.6 40.0

Manual Integrations

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Supervised By :Jagrut Upadhyay 03/11/2025



#13

1,4-Dichlorobenzene

Concen: 75.784 ng

RT: 6.904 min Scan# 818

Delta R.T. 0.006 min

Lab File: BF141904.D

Acq: 10 Mar 2025 14:27

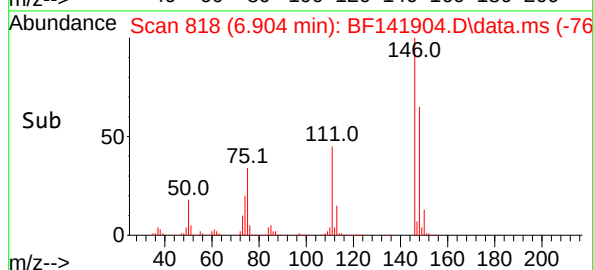
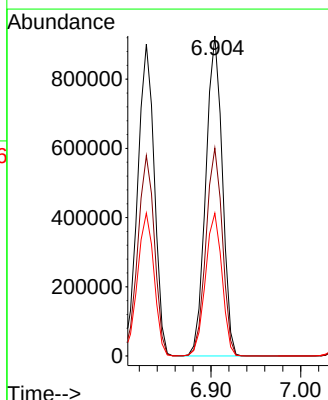
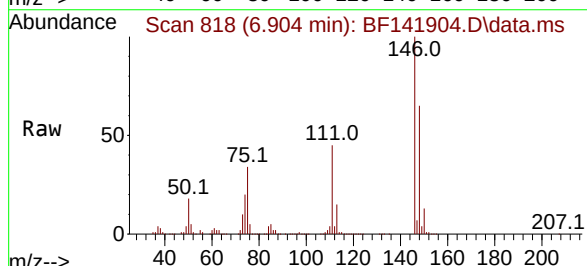
Tgt Ion:146 Resp: 1181975

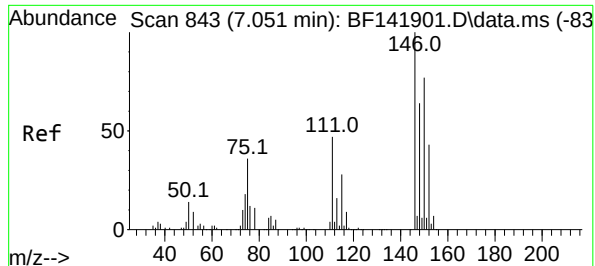
Ion Ratio Lower Upper

146 100

148 64.9 51.0 76.6

111 44.6 35.7 53.5





#14

1,2-Dichlorobenzene

Concen: 74.440 ng

RT: 7.063 min Scan# 84

Delta R.T. 0.012 min

Lab File: BF141904.D

Acq: 10 Mar 2025 14:27

Instrument :

BNA_F

ClientSampleId :

SSTDICC080

Tgt Ion:146 Resp: 1093310

Ion Ratio Lower Upper

146 100

148 64.1 50.8 76.2

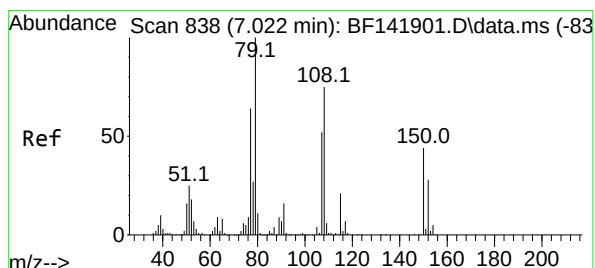
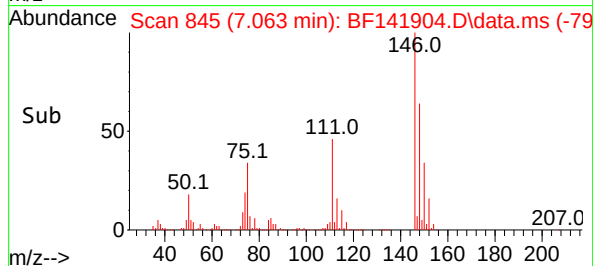
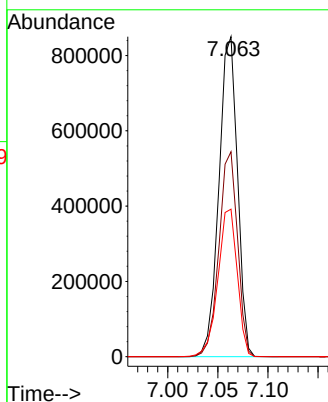
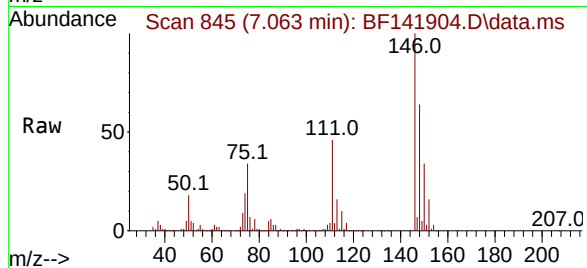
111 46.1 38.0 57.0

Manual Integrations

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Reviewed By :Anahy Claudio 03/11/2025

Supervised By :Jagrut Upadhyay 03/11/2025



#15

Benzyl Alcohol

Concen: 76.376 ng

RT: 7.034 min Scan# 840

Delta R.T. 0.012 min

Lab File: BF141904.D

Acq: 10 Mar 2025 14:27

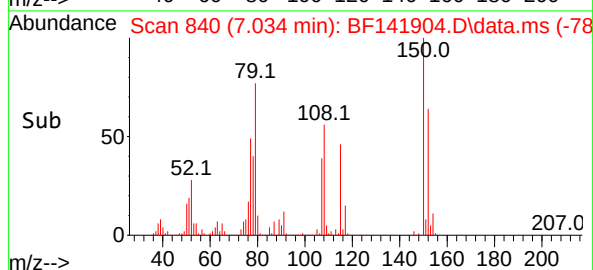
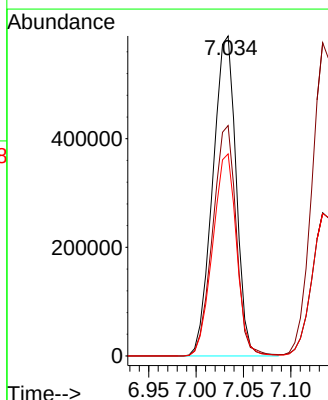
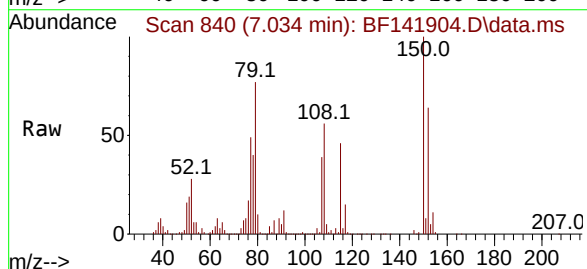
Tgt Ion: 79 Resp: 1013314

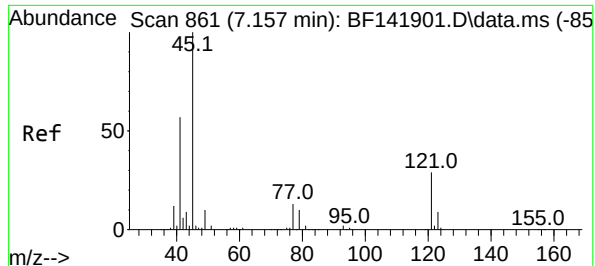
Ion Ratio Lower Upper

79 100

108 72.0 59.7 89.5

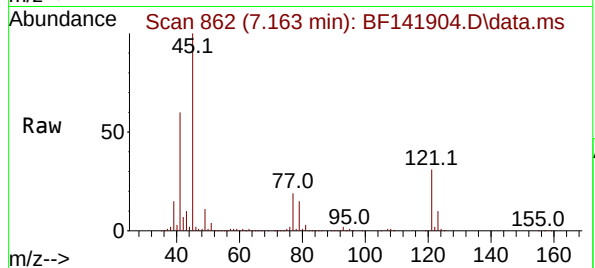
77 63.1 51.0 76.6





#16
2,2'-oxybis(1-Chloropropane)
Concen: 72.198 ng
RT: 7.163 min Scan# 80
Delta R.T. 0.006 min
Lab File: BF141904.D
Acq: 10 Mar 2025 14:27

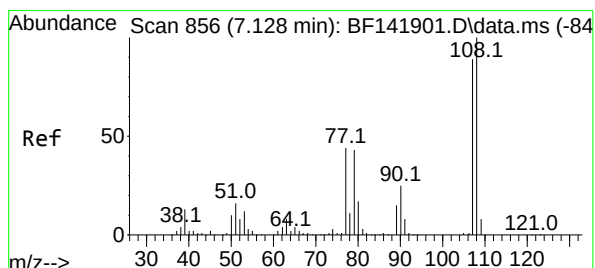
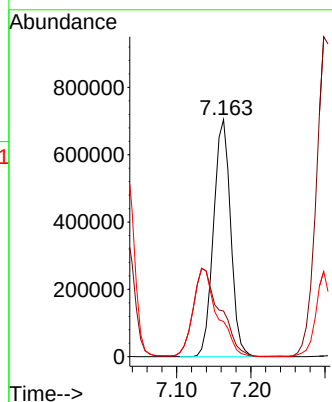
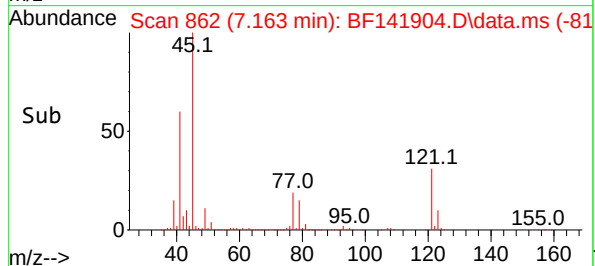
Instrument :
BNA_F
ClientSampleId :
SSTDICC080



Tgt Ion: 45 Resp: 1127534
Ion Ratio Lower Upper
45 100
77 19.3 0.0 37.8
79 14.8 0.0 34.2

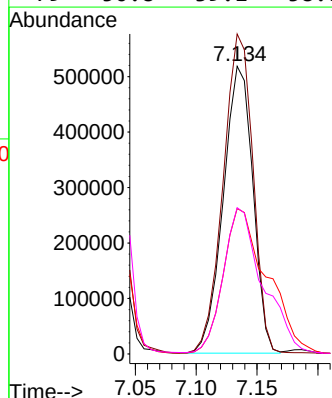
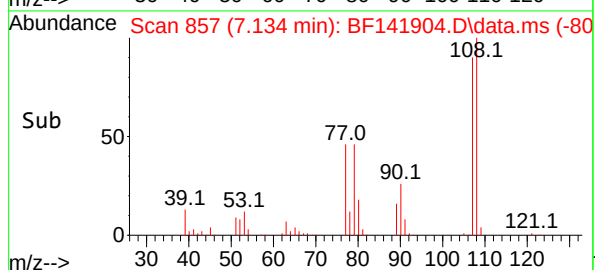
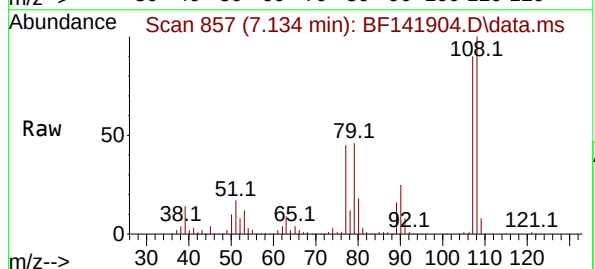
Manual Integrations
APPROVED

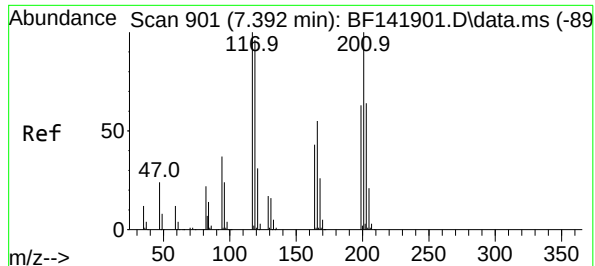
Reviewed By :Anahy Claudio 03/11/2025
Supervised By :Jagrut Upadhyay 03/11/2025



#17
2-Methylphenol
Concen: 77.326 ng
RT: 7.134 min Scan# 857
Delta R.T. 0.006 min
Lab File: BF141904.D
Acq: 10 Mar 2025 14:27

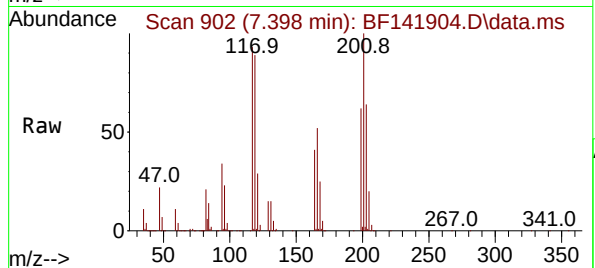
Tgt Ion:107 Resp: 876665
Ion Ratio Lower Upper
107 100
108 111.3 90.2 135.2
77 50.5 39.6 59.4
79 50.8 39.1 58.7





#18
Hexachloroethane
Concen: 76.745 ng
RT: 7.398 min Scan# 901
Delta R.T. 0.006 min
Lab File: BF141904.D
Acq: 10 Mar 2025 14:27

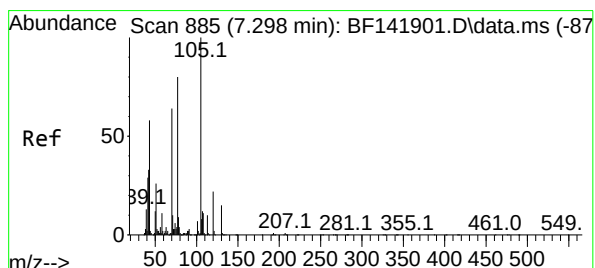
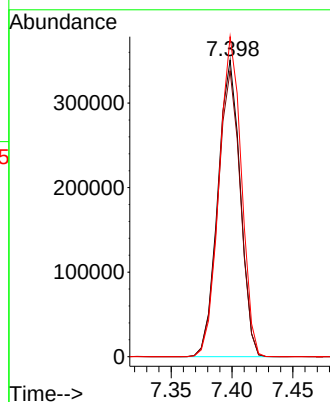
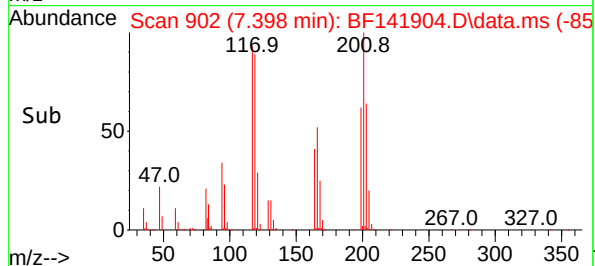
Instrument :
BNA_F
ClientSampleId :
SSTDICC080



Tgt Ion:117 Resp: 448765
Ion Ratio Lower Upper
117 100
119 96.4 76.9 115.3
201 107.9 79.9 119.9

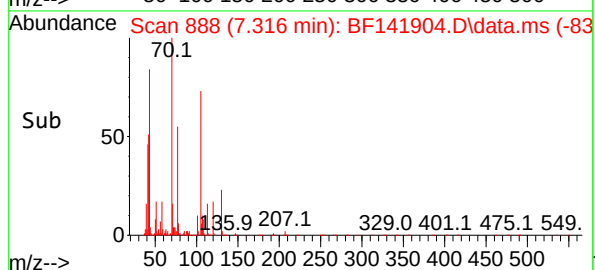
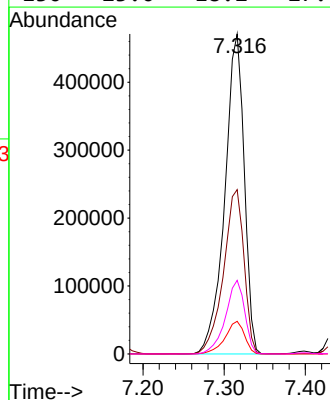
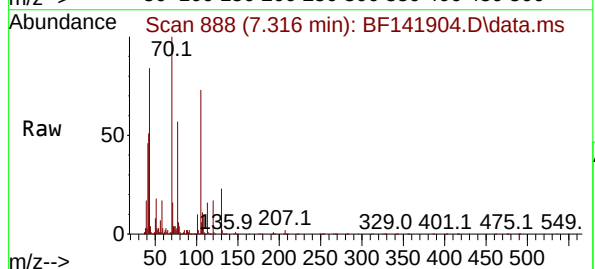
Manual Integrations
APPROVED

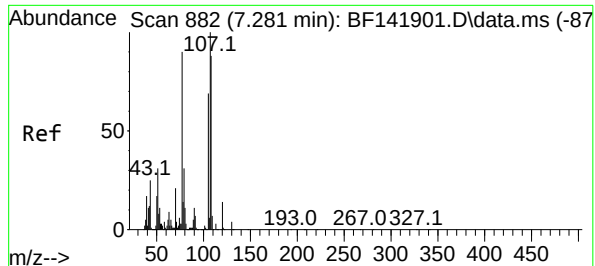
Reviewed By :Anahy Claudio 03/11/2025
Supervised By :Jagrut Upadhyay 03/11/2025



#19
n-Nitroso-di-n-propylamine
Concen: 74.351 ng
RT: 7.316 min Scan# 888
Delta R.T. 0.018 min
Lab File: BF141904.D
Acq: 10 Mar 2025 14:27

Tgt Ion: 70 Resp: 783318
Ion Ratio Lower Upper
70 100
42 51.4 41.4 62.0
101 10.2 8.2 12.2
130 23.0 18.2 27.4





#20

3+4-Methylphenols

Concen: 72.219 ng

RT: 7.298 min Scan# 80

Delta R.T. 0.018 min

Lab File: BF141904.D

Acq: 10 Mar 2025 14:27

Instrument :

BNA_F

ClientSampleId :

SSTDICC080

Tgt Ion:107 Resp: 105019

Ion Ratio Lower Upper

107 100

108 89.5 68.4 108.4

77 123.4 69.7 109.7

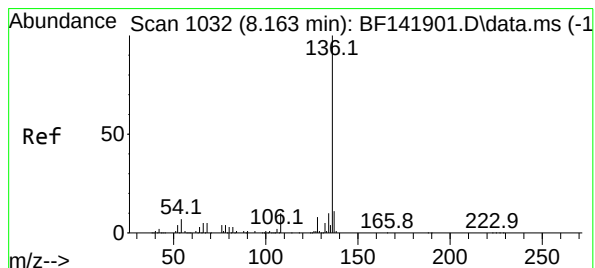
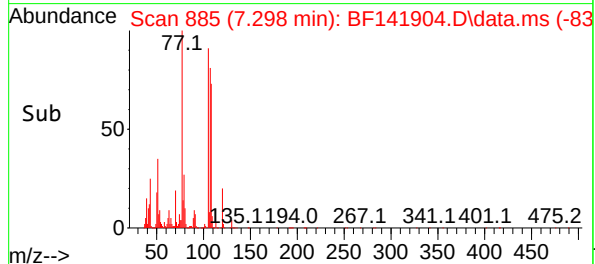
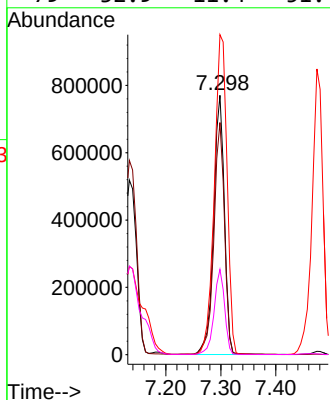
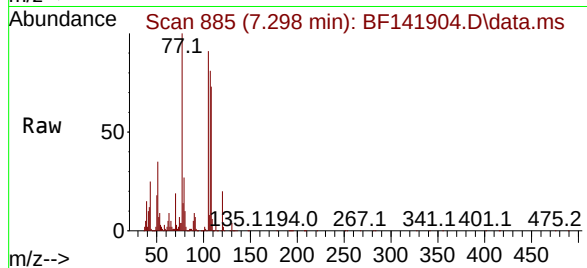
79 32.9 11.4 51.4

Manual Integrations

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Reviewed By :Anahy Claudio 03/11/2025

Supervised By :Jagrut Upadhyay 03/11/2025



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.169 min Scan# 1033

Delta R.T. 0.006 min

Lab File: BF141904.D

Acq: 10 Mar 2025 14:27

Tgt Ion:136 Resp: 826030

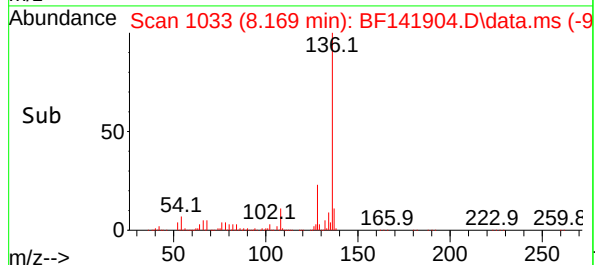
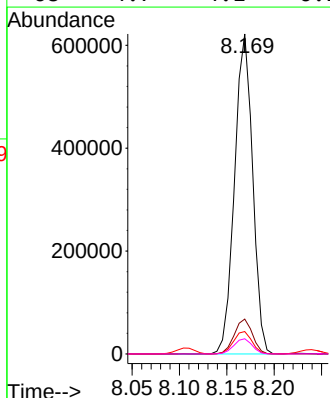
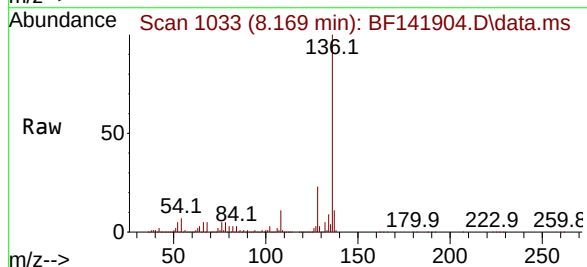
Ion Ratio Lower Upper

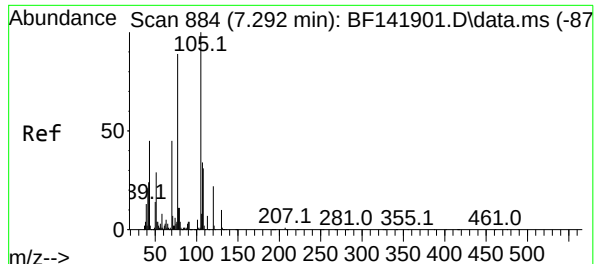
136 100

137 10.9 8.8 13.2

54 7.0 5.8 8.8

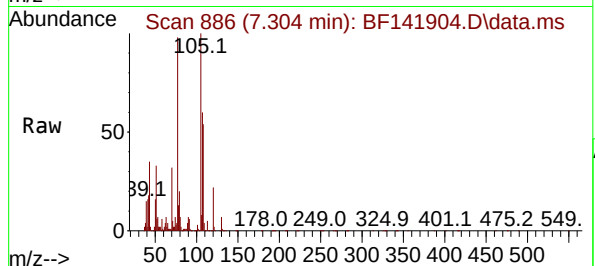
68 4.7 4.1 6.1





#22
Acetophenone
Concen: 75.498 ng
RT: 7.304 min Scan# 884
Delta R.T. 0.012 min
Lab File: BF141904.D
Acq: 10 Mar 2025 14:27

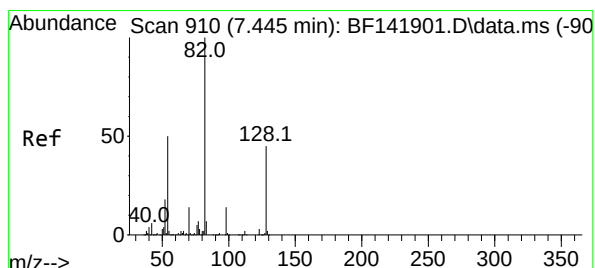
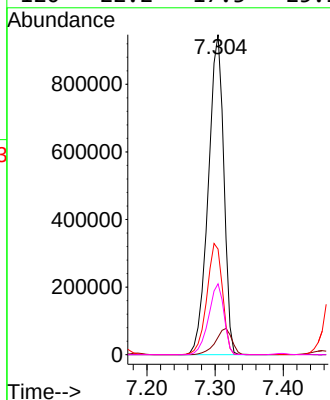
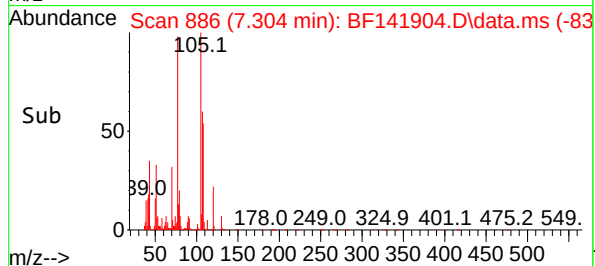
Instrument :
BNA_F
ClientSampleId :
SSTDICC080



Tgt Ion: 105 Resp: 1496035
Ion Ratio Lower Upper
105 100
71 5.4 5.8 8.8
51 33.0 23.4 35.0
120 22.2 17.3 25.9

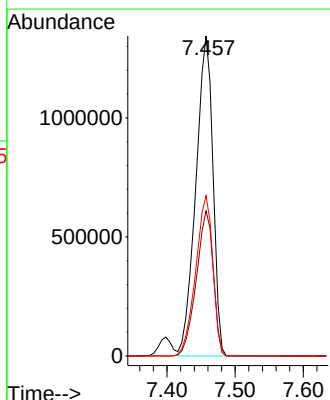
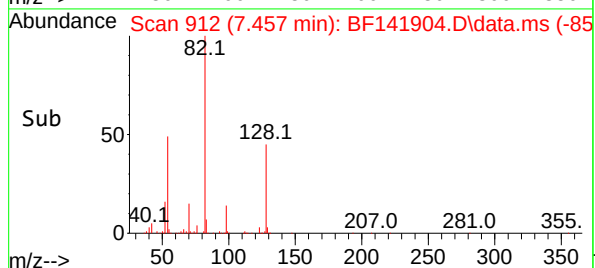
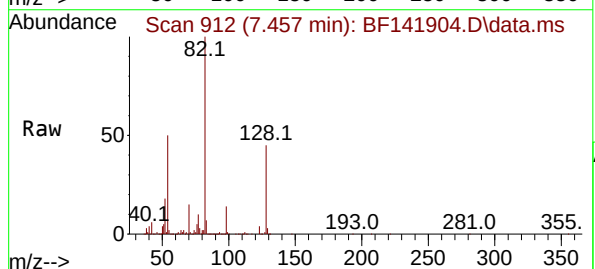
Manual Integrations
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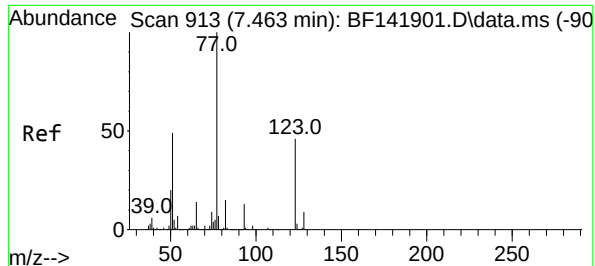
Reviewed By :Anahy Claudio 03/11/2025
Supervised By :Jagrut Upadhyay 03/11/2025



#23
Nitrobenzene-d5
Concen: 158.463 ng
RT: 7.457 min Scan# 912
Delta R.T. 0.012 min
Lab File: BF141904.D
Acq: 10 Mar 2025 14:27

Tgt Ion: 82 Resp: 2335417
Ion Ratio Lower Upper
82 100
128 45.3 36.0 54.0
54 50.1 39.6 59.4





#24

Nitrobenzene

Concen: 79.572 ng

RT: 7.475 min Scan# 913

Delta R.T. 0.012 min

Lab File: BF141904.D

Acq: 10 Mar 2025 14:27

Instrument :

BNA_F

ClientSampleId :

SSTDICC080

Tgt Ion: 77 Resp: 116275

Ion Ratio Lower Upper

77 100

123 46.2 37.0 55.4

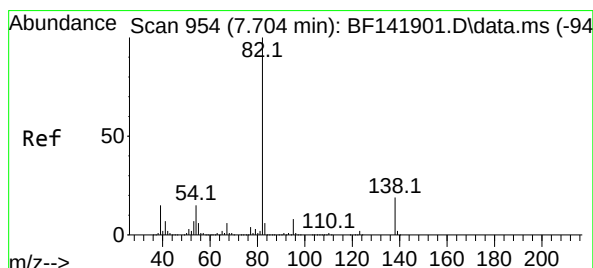
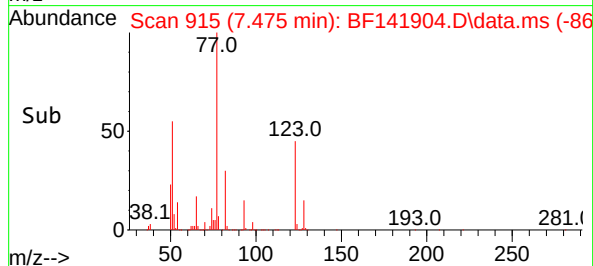
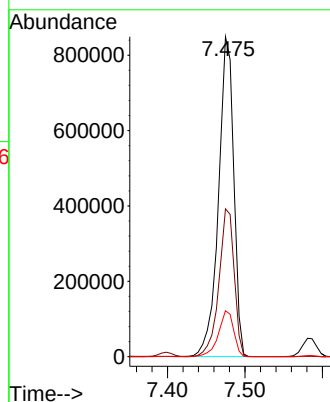
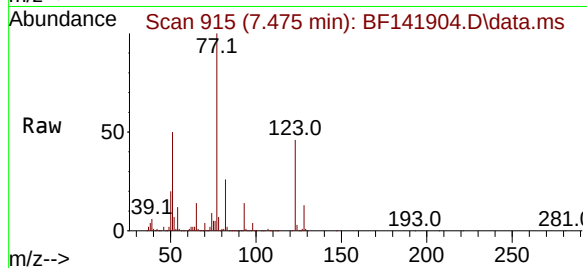
65 14.4 11.3 16.9

Manual Integrations

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Reviewed By :Anahy Claudio 03/11/2025

Supervised By :Jagrut Upadhyay 03/11/2025



#25

Isophorone

Concen: 79.032 ng

RT: 7.722 min Scan# 957

Delta R.T. 0.018 min

Lab File: BF141904.D

Acq: 10 Mar 2025 14:27

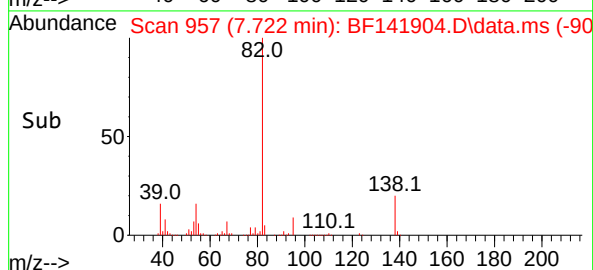
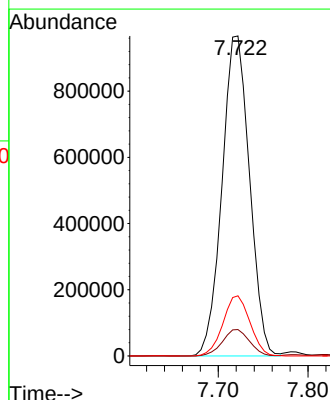
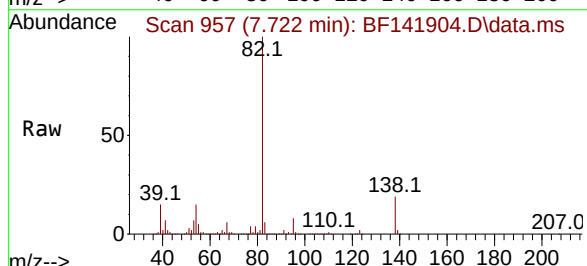
Tgt Ion: 82 Resp: 2056405

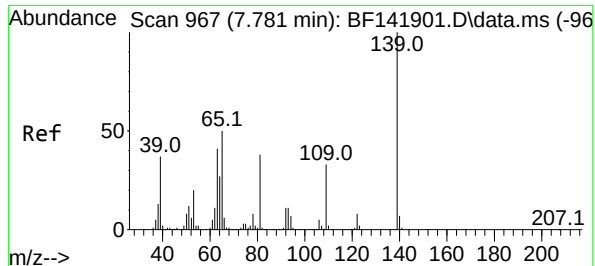
Ion Ratio Lower Upper

82 100

95 8.2 6.4 9.6

138 18.8 14.9 22.3





#26

2-Nitrophenol

Concen: 83.688 ng

RT: 7.787 min Scan# 90

Delta R.T. 0.006 min

Lab File: BF141904.D

Acq: 10 Mar 2025 14:27

Instrument :

BNA_F

ClientSampleId :

SSTDICC080

Tgt Ion:139 Resp: 59926

Ion Ratio Lower Upper

139 100

109 34.4 26.5 39.7

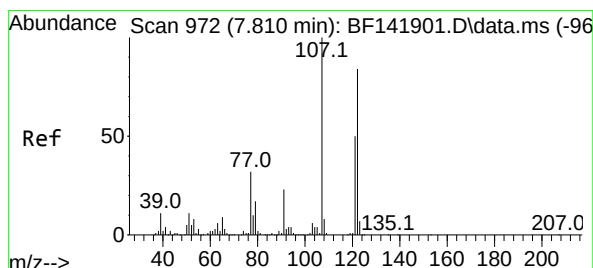
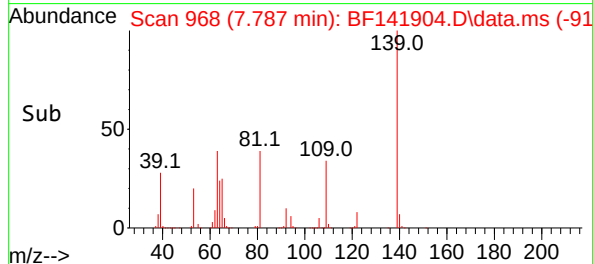
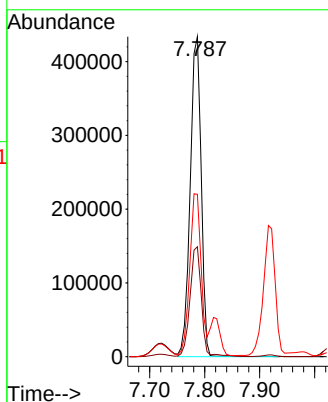
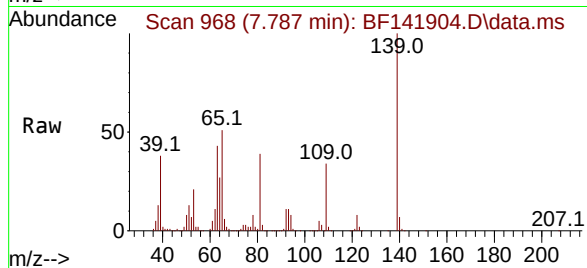
65 50.8 40.3 60.5

Manual Integrations

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Reviewed By :Anahy Claudio 03/11/2025

Supervised By :Jagrut Upadhyay 03/11/2025



#27

2,4-Dimethylphenol

Concen: 77.821 ng

RT: 7.822 min Scan# 974

Delta R.T. 0.012 min

Lab File: BF141904.D

Acq: 10 Mar 2025 14:27

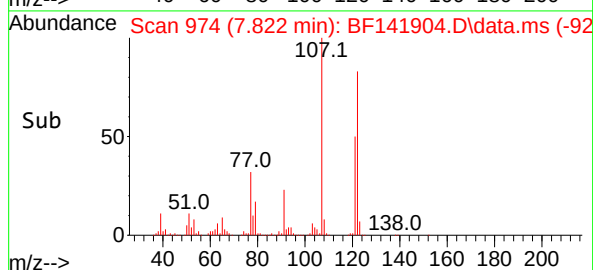
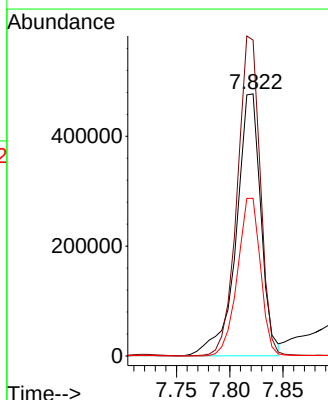
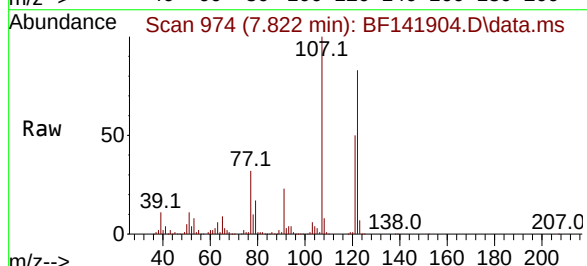
Tgt Ion:122 Resp: 767514

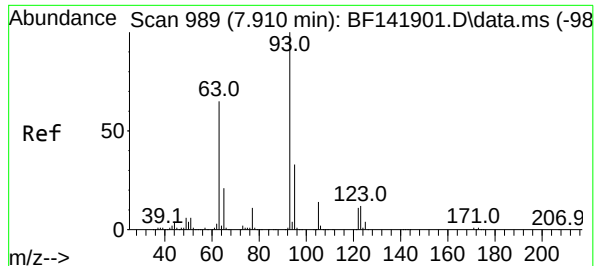
Ion Ratio Lower Upper

122 100

107 120.5 94.8 142.2

121 60.1 47.8 71.6





#28

bis(2-Chloroethoxy)methane

Concen: 76.598 ng

RT: 7.916 min Scan# 989

Delta R.T. 0.006 min

Lab File: BF141904.D

Acq: 10 Mar 2025 14:27

Instrument :

BNA_F

ClientSampleId :

SSTDICC080

Tgt Ion: 93 Resp: 1248549

Ion Ratio Lower Upper

93 100

95 33.2 26.6 40.0

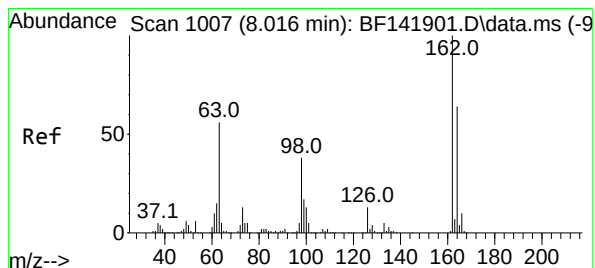
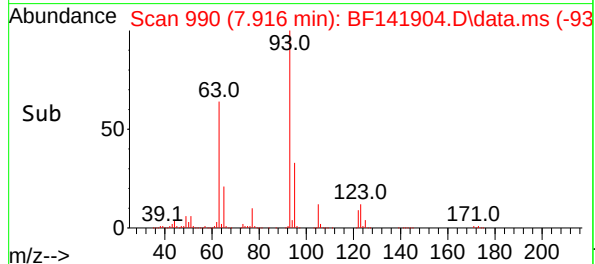
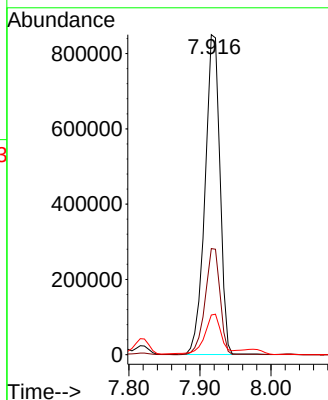
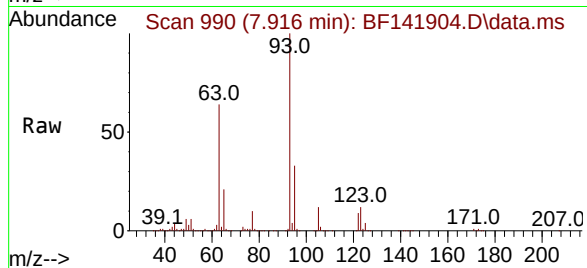
123 12.4 10.2 15.4

Manual Integrations

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Reviewed By :Anahy Claudio 03/11/2025

Supervised By :Jagrut Upadhyay 03/11/2025



#29

2,4-Dichlorophenol

Concen: 79.403 ng

RT: 8.028 min Scan# 1009

Delta R.T. 0.012 min

Lab File: BF141904.D

Acq: 10 Mar 2025 14:27

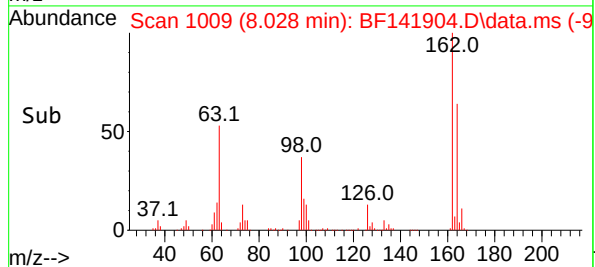
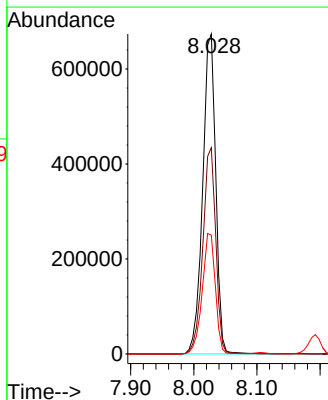
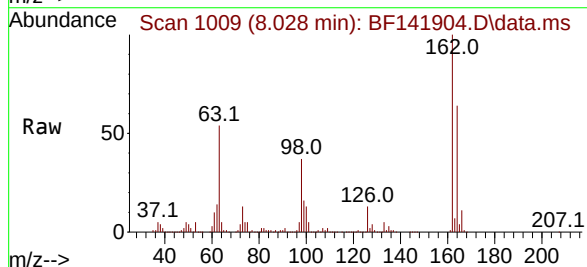
Tgt Ion:162 Resp: 971886

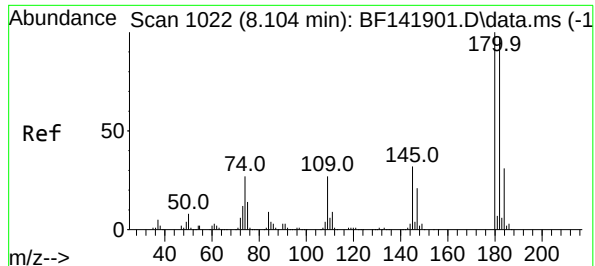
Ion Ratio Lower Upper

162 100

164 64.4 43.8 83.8

98 37.1 18.1 58.1





#30

1,2,4-Trichlorobenzene

Concen: 78.705 ng

RT: 8.110 min Scan# 1022

Delta R.T. 0.006 min

Lab File: BF141904.D

Acq: 10 Mar 2025 14:27

Instrument :

BNA_F

ClientSampleId :

SSTDICC080

Tgt Ion:180 Resp: 106279

Ion Ratio Lower Upper

180 100

182 96.1 77.5 116.3

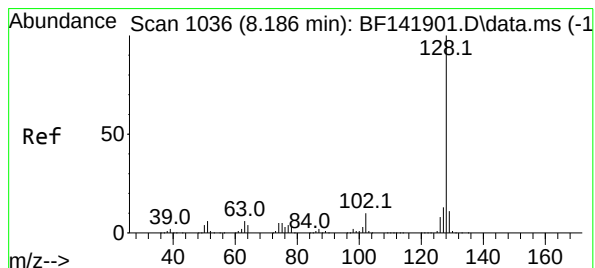
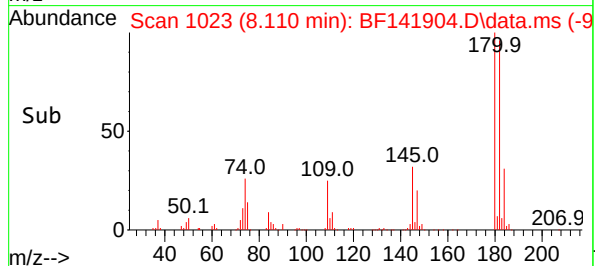
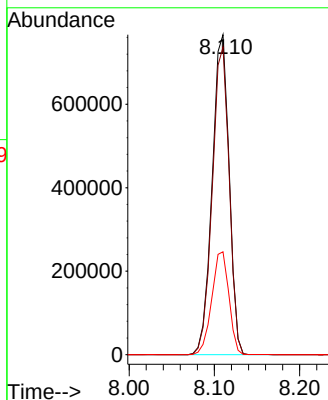
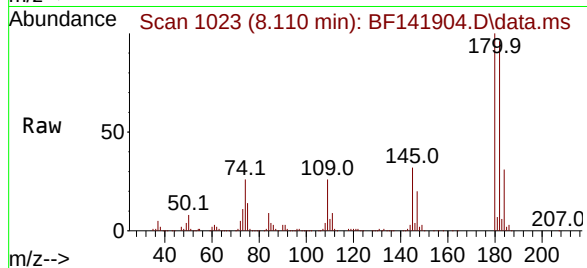
145 32.2 25.8 38.6

Manual Integrations

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Reviewed By :Anahy Claudio 03/11/2025

Supervised By :Jagrut Upadhyay 03/11/2025



#31

Naphthalene

Concen: 74.497 ng

RT: 8.192 min Scan# 1037

Delta R.T. 0.006 min

Lab File: BF141904.D

Acq: 10 Mar 2025 14:27

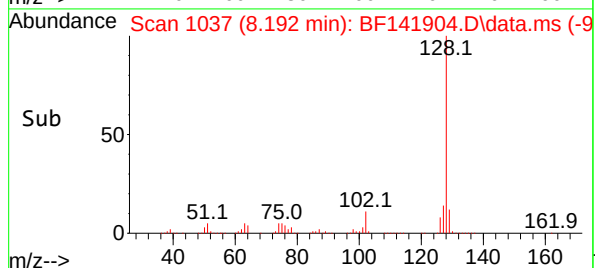
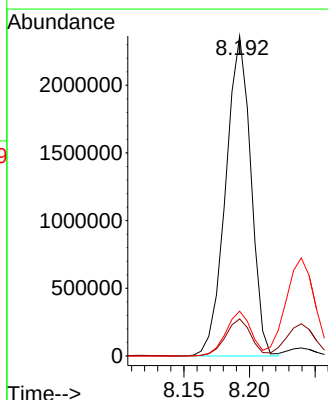
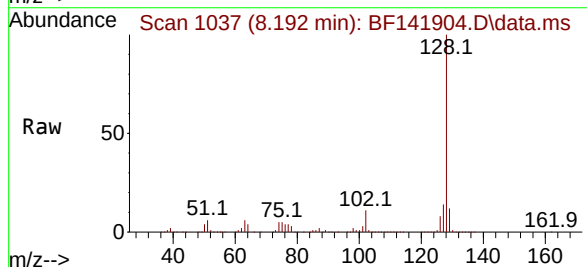
Tgt Ion:128 Resp: 3152444

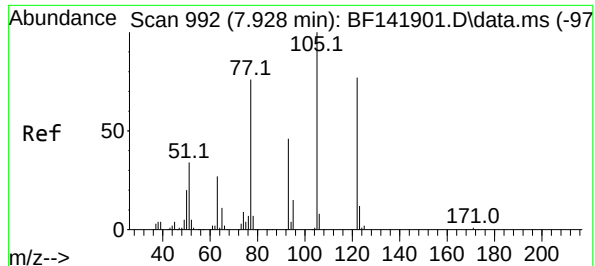
Ion Ratio Lower Upper

128 100

129 11.6 9.0 13.6

127 14.0 10.8 16.2





#32

Benzoic acid

Concen: 92.323 ng

RT: 7.975 min Scan# 1000

Delta R.T. 0.047 min

Lab File: BF141904.D

Acq: 10 Mar 2025 14:27

Instrument :

BNA_F

ClientSampleId :

SSTDICC080

Tgt Ion:122 Resp: 795850

Ion Ratio Lower Upper

122 100

105 131.3 107.9 147.9

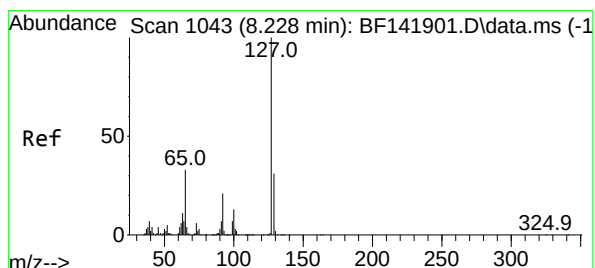
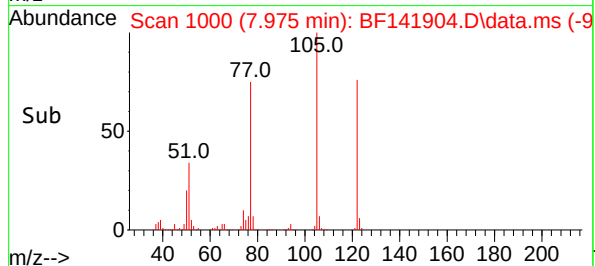
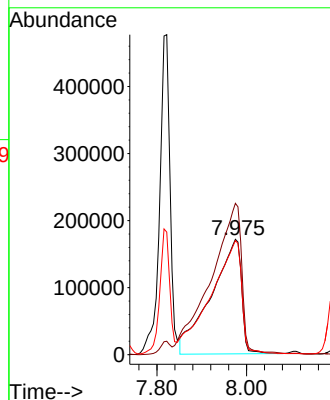
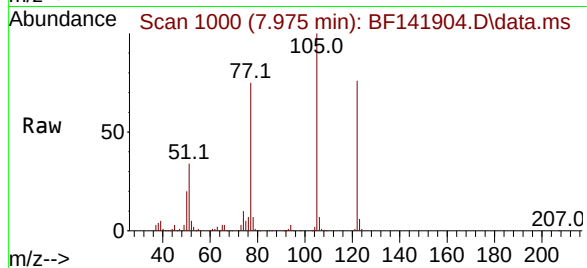
77 98.9 79.0 119.0

Manual Integrations

APPROVED

Reviewed By :Anahy Claudio 03/11/2025

Supervised By :Jagrut Upadhyay 03/11/2025



#33

4-Chloroaniline

Concen: 72.896 ng

RT: 8.239 min Scan# 1045

Delta R.T. 0.012 min

Lab File: BF141904.D

Acq: 10 Mar 2025 14:27

Tgt Ion:127 Resp: 1088546

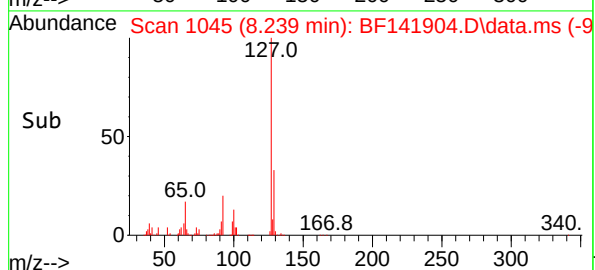
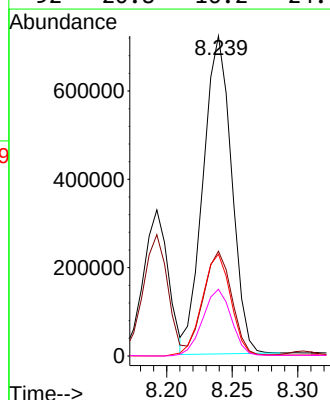
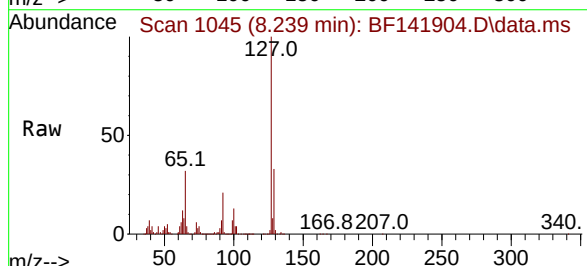
Ion Ratio Lower Upper

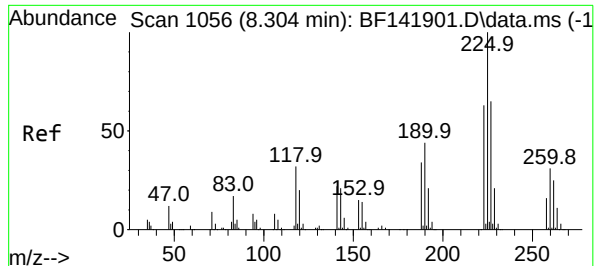
127 100

129 32.8 26.2 39.4

65 31.8 25.4 38.2

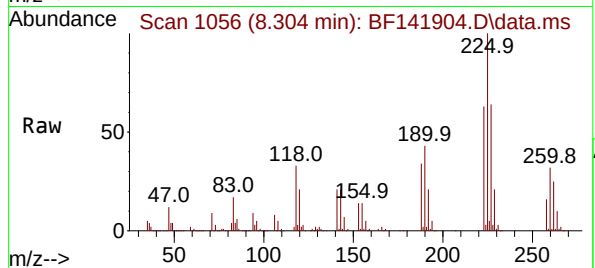
92 20.8 16.2 24.4





#34
Hexachlorobutadiene
Concen: 81.299 ng
RT: 8.304 min Scan# 1107
Delta R.T. 0.000 min
Lab File: BF141904.D
Acq: 10 Mar 2025 14:27

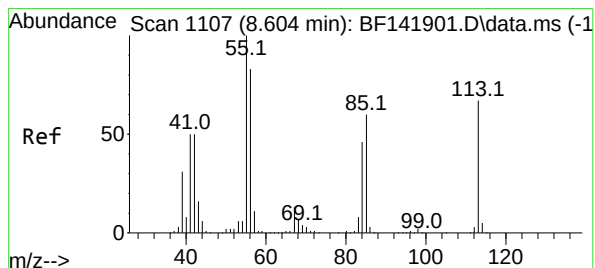
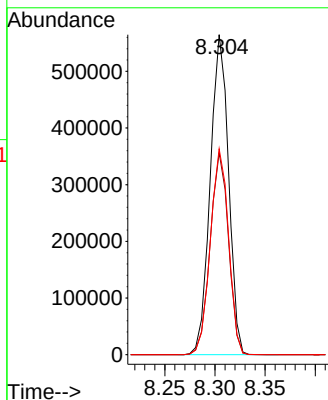
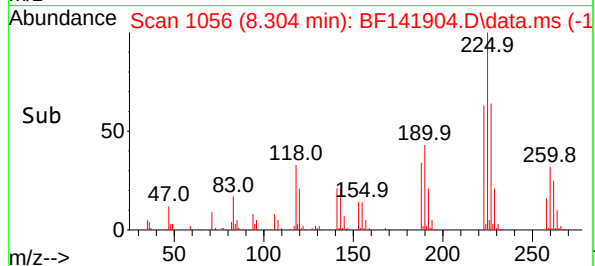
Instrument :
BNA_F
ClientSampleId :
SSTDICC080



Tgt Ion:225 Resp: 71382
Ion Ratio Lower Upper
225 100
223 63.1 50.6 75.8
227 64.3 52.2 78.2

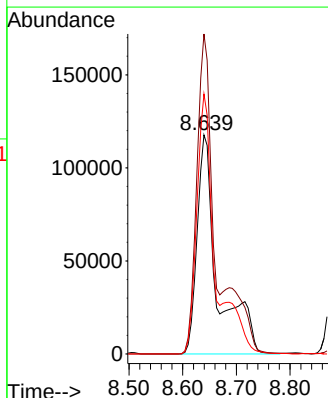
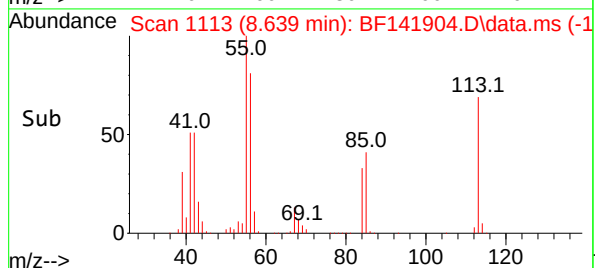
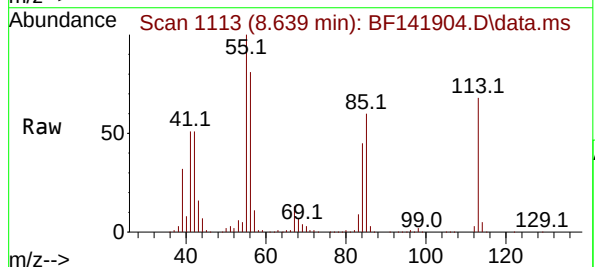
Manual Integrations
APPROVED

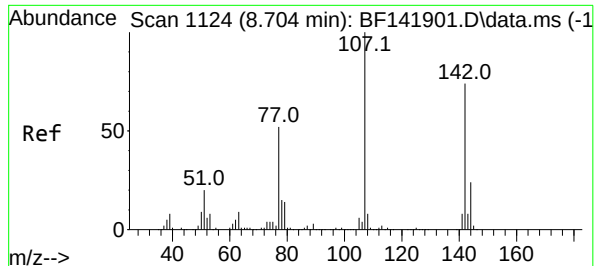
Reviewed By :Anahy Claudio 03/11/2025
Supervised By :Jagrut Upadhyay 03/11/2025



#35
Caprolactam
Concen: 83.763 ng m
RT: 8.639 min Scan# 1113
Delta R.T. 0.035 min
Lab File: BF141904.D
Acq: 10 Mar 2025 14:27

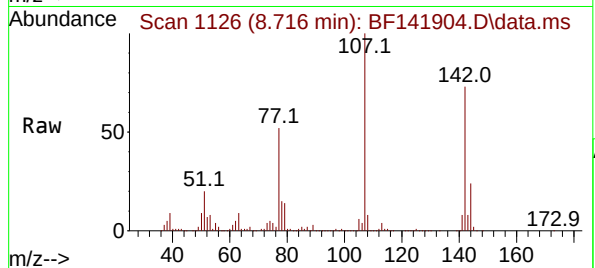
Tgt Ion:113 Resp: 311758
Ion Ratio Lower Upper
113 100
55 146.1 129.6 169.6
56 118.7 104.0 144.0





#36
4-Chloro-3-methylphenol
Concen: 77.644 ng
RT: 8.716 min Scan# 1126
Delta R.T. 0.012 min
Lab File: BF141904.D
Acq: 10 Mar 2025 14:27

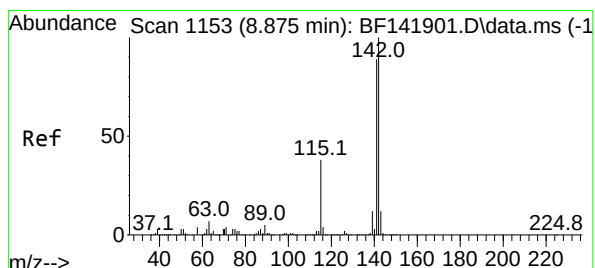
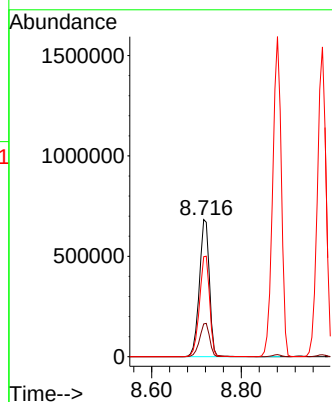
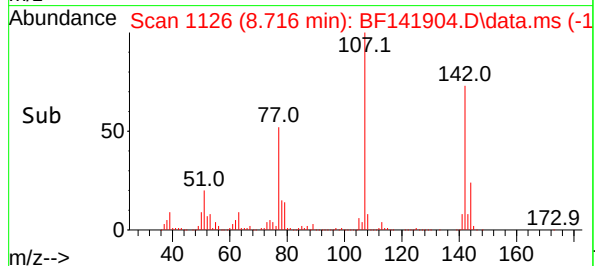
Instrument :
BNA_F
ClientSampleId :
SSTDICC080



Tgt Ion:107 Resp: 1056917
Ion Ratio Lower Upper
107 100
144 24.0 19.0 28.6
142 72.9 59.2 88.8

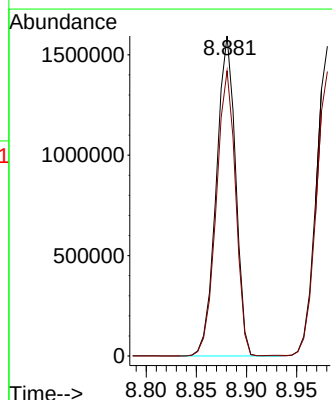
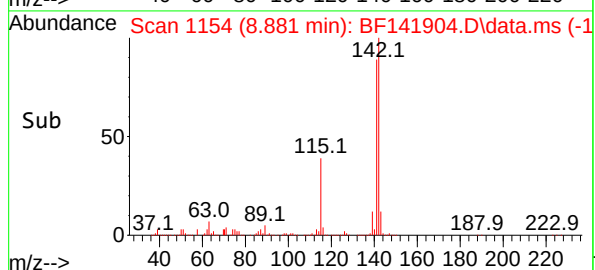
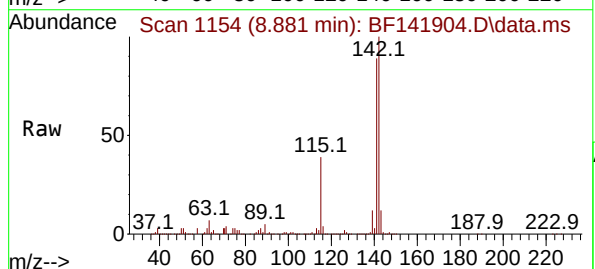
Manual Integrations
APPROVED

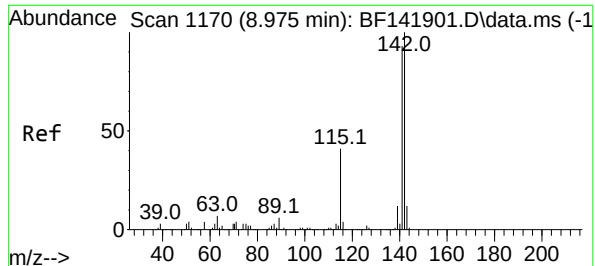
Reviewed By :Anahy Claudio 03/11/2025
Supervised By :Jagrut Upadhyay 03/11/2025



#37
2-Methylnaphthalene
Concen: 75.023 ng
RT: 8.881 min Scan# 1154
Delta R.T. 0.006 min
Lab File: BF141904.D
Acq: 10 Mar 2025 14:27

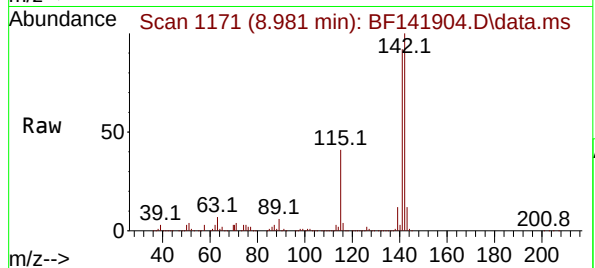
Tgt Ion:142 Resp: 2129990
Ion Ratio Lower Upper
142 100
141 89.1 71.2 106.8





#38
1-Methylnaphthalene
Concen: 74.568 ng
RT: 8.981 min Scan# 1171
Delta R.T. 0.006 min
Lab File: BF141904.D
Acq: 10 Mar 2025 14:27

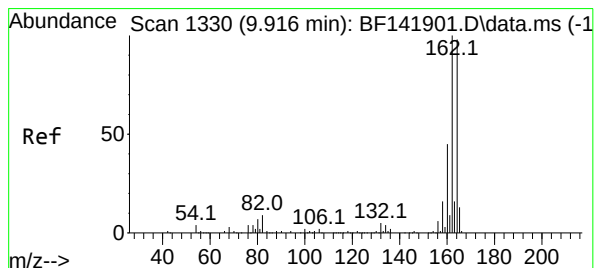
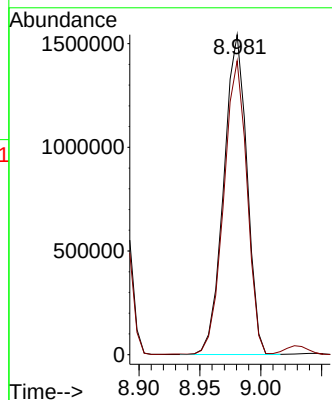
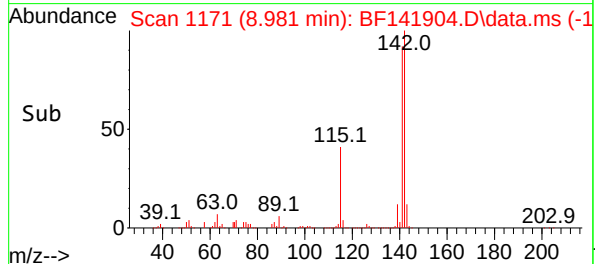
Instrument :
BNA_F
ClientSampleId :
SSTDICC080



Tgt Ion:142 Resp: 205019
Ion Ratio Lower Upper
142 100
141 91.8 74.2 111.4

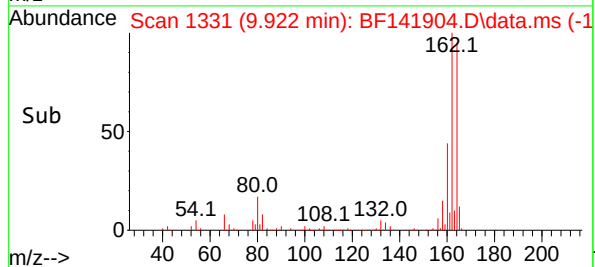
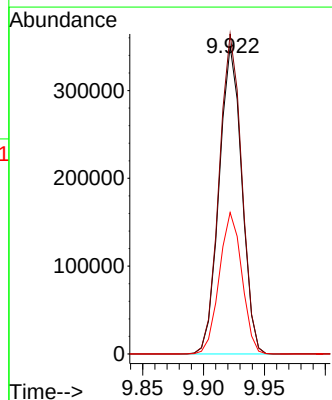
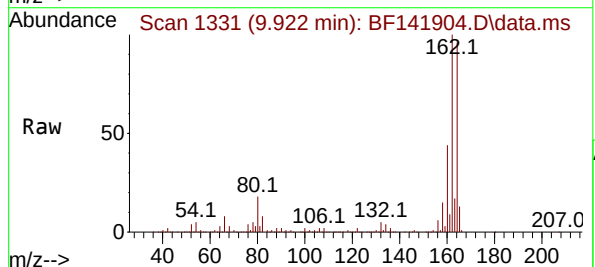
Manual Integrations
APPROVED

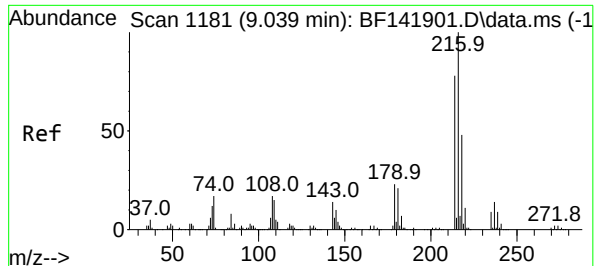
Reviewed By :Anahy Claudio 03/11/2025
Supervised By :Jagrut Upadhyay 03/11/2025



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.922 min Scan# 1331
Delta R.T. 0.006 min
Lab File: BF141904.D
Acq: 10 Mar 2025 14:27

Tgt Ion:164 Resp: 452864
Ion Ratio Lower Upper
164 100
162 103.9 81.8 122.6
160 45.9 36.7 55.1





#40

1,2,4,5-Tetrachlorobenzene

Concen: 81.667 ng

RT: 9.045 min Scan# 1181

Delta R.T. 0.006 min

Lab File: BF141904.D

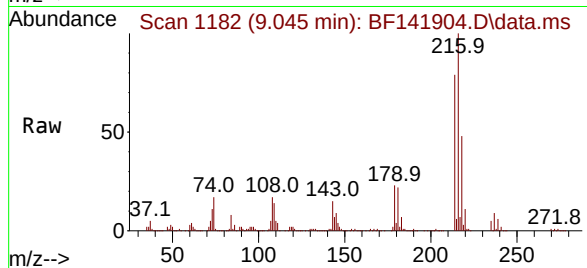
Acq: 10 Mar 2025 14:27

Instrument :

BNA_F

ClientSampleId :

SSTDICC080



Tgt Ion:216 Resp: 112767

Ion Ratio Lower Upper

216 100

214 79.3 61.9 92.9

179 22.7 18.1 27.1

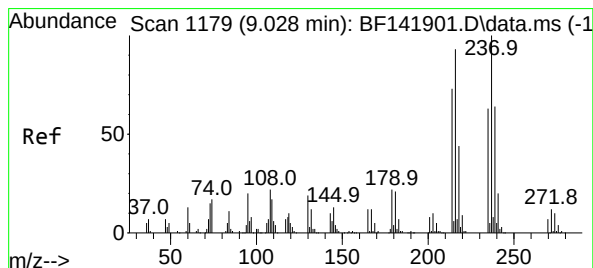
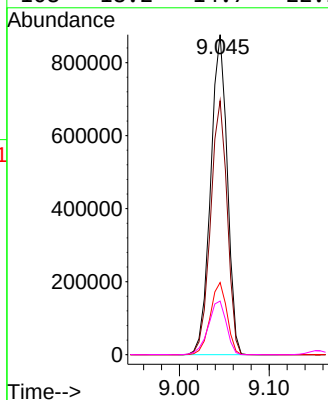
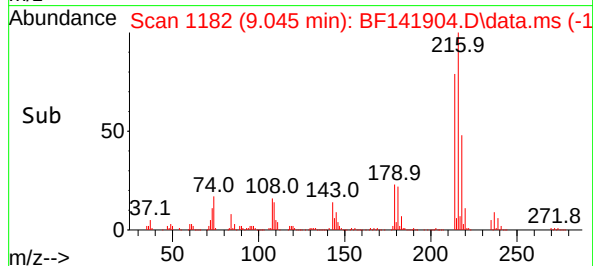
108 18.2 14.7 22.1

Manual Integrations

APPROVED

Reviewed By :Anahy Claudio 03/11/2025

Supervised By :Jagrut Upadhyay 03/11/2025



#41

Hexachlorocyclopentadiene

Concen: 85.031 ng

RT: 9.028 min Scan# 1179

Delta R.T. 0.000 min

Lab File: BF141904.D

Acq: 10 Mar 2025 14:27

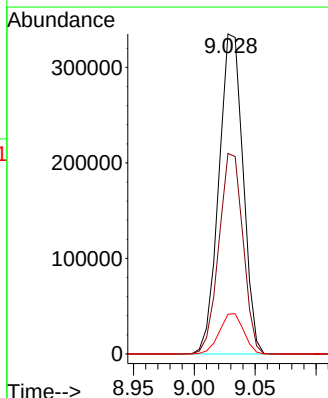
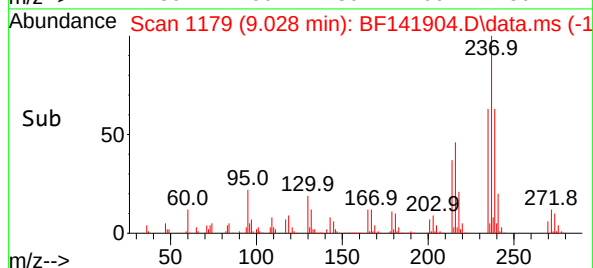
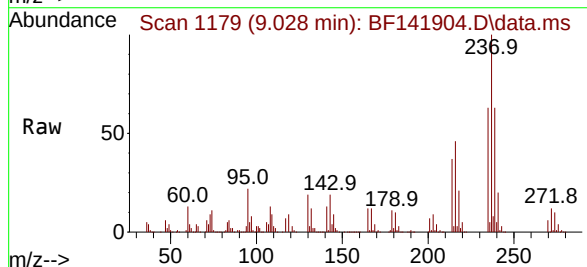
Tgt Ion:237 Resp: 463300

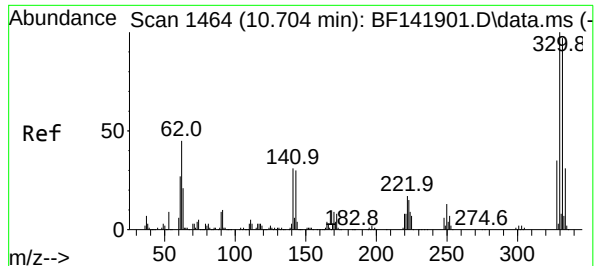
Ion Ratio Lower Upper

237 100

235 62.6 43.1 83.1

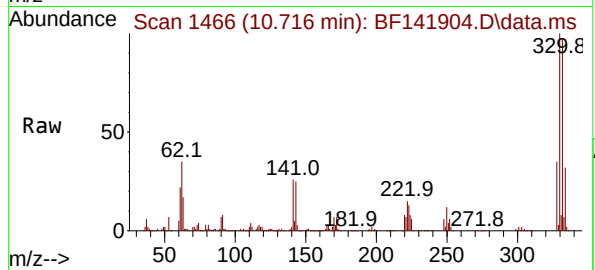
272 12.4 0.0 32.0





#42
2,4,6-Tribromophenol
Concen: 171.858 ng
RT: 10.716 min Scan# 1466
Delta R.T. 0.012 min
Lab File: BF141904.D
Acq: 10 Mar 2025 14:27

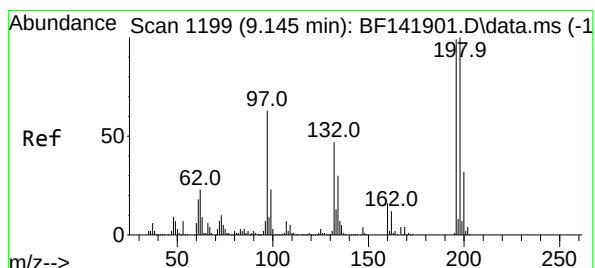
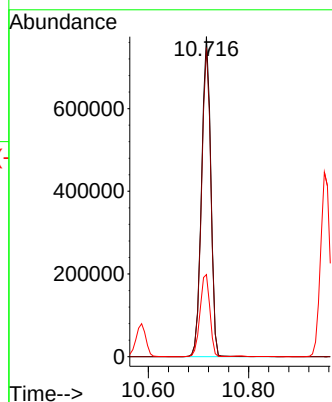
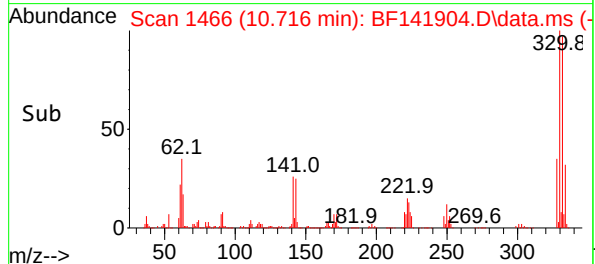
Instrument :
BNA_F
ClientSampleId :
SSTDICC080



Tgt Ion:330 Resp: 986200
Ion Ratio Lower Upper
330 100
332 96.4 77.6 116.4
141 27.3 24.7 37.1

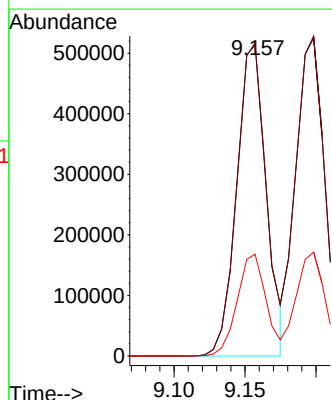
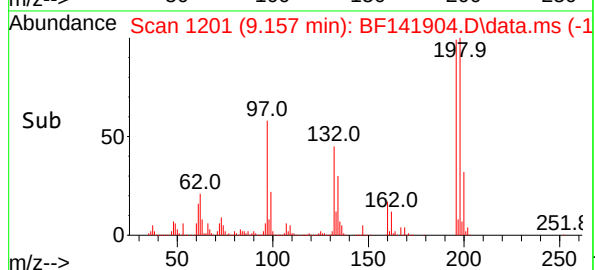
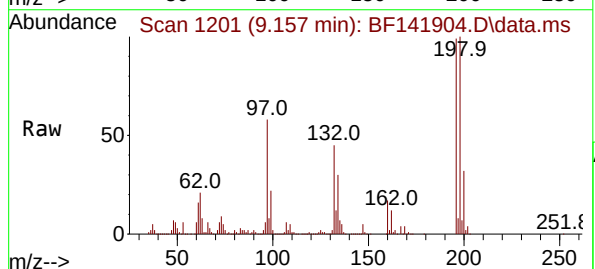
Manual Integrations
APPROVED

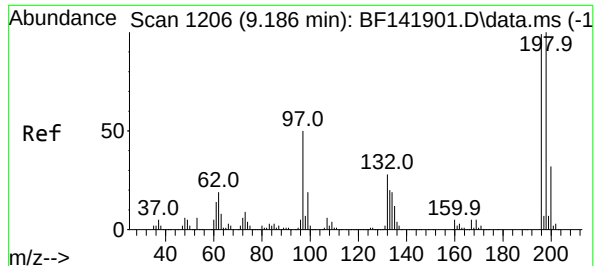
Reviewed By :Anahy Claudio 03/11/2025
Supervised By :Jagrut Upadhyay 03/11/2025



#43
2,4,6-Trichlorophenol
Concen: 82.399 ng
RT: 9.157 min Scan# 1201
Delta R.T. 0.012 min
Lab File: BF141904.D
Acq: 10 Mar 2025 14:27

Tgt Ion:196 Resp: 741710
Ion Ratio Lower Upper
196 100
198 100.7 80.6 121.0
200 32.7 25.8 38.6





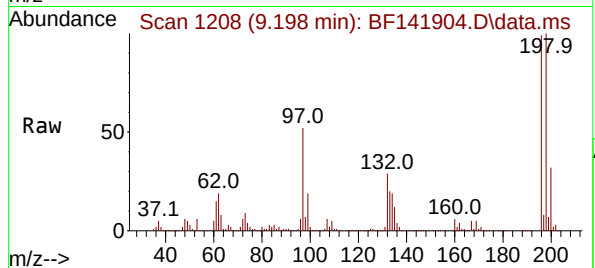
#44
2,4,5-Trichlorophenol
Concen: 80.579 ng
RT: 9.198 min Scan# 1208
Delta R.T. 0.012 min
Lab File: BF141904.D
Acq: 10 Mar 2025 14:27

Instrument :

BNA_F

ClientSampleId :

SSTDICC080

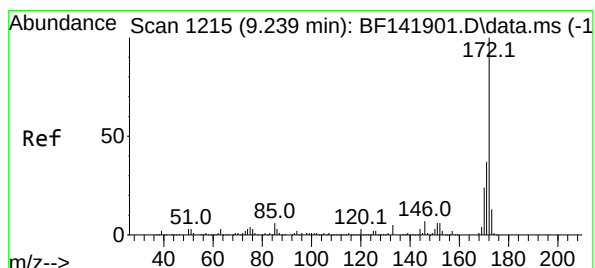
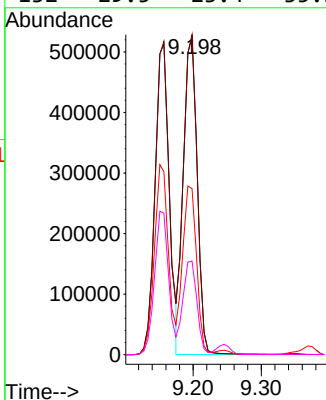
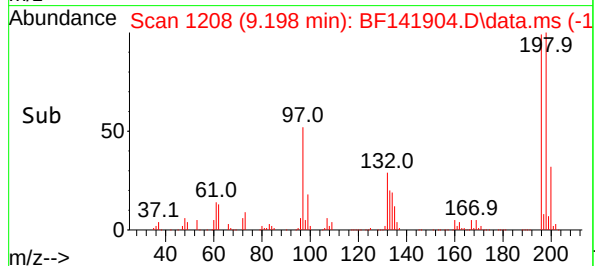


Tgt Ion:196 Resp: 736920
Ion Ratio Lower Upper
196 100
198 100.6 80.7 121.1
97 52.2 42.1 63.1
132 29.5 23.4 35.2

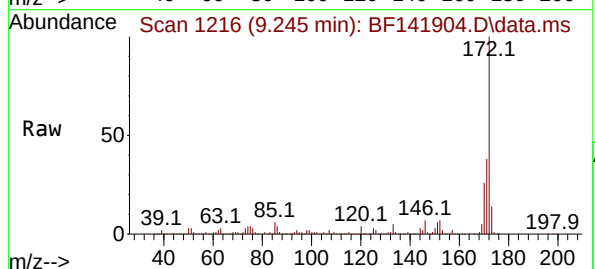
Manual Integrations

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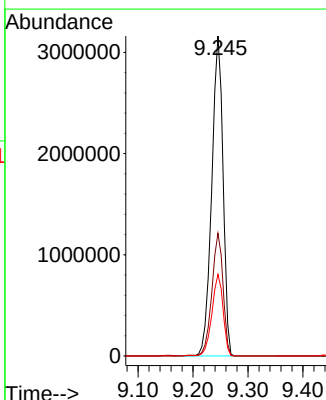
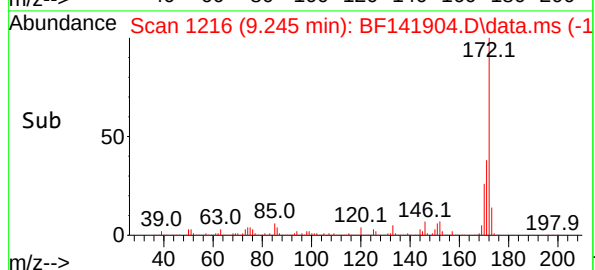
Reviewed By :Anahy Claudio 03/11/2025
Supervised By :Jagrut Upadhyay 03/11/2025

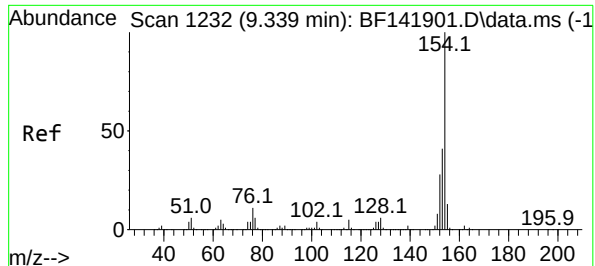


#45
2-Fluorobiphenyl
Concen: 151.763 ng
RT: 9.245 min Scan# 1216
Delta R.T. 0.006 min
Lab File: BF141904.D
Acq: 10 Mar 2025 14:27



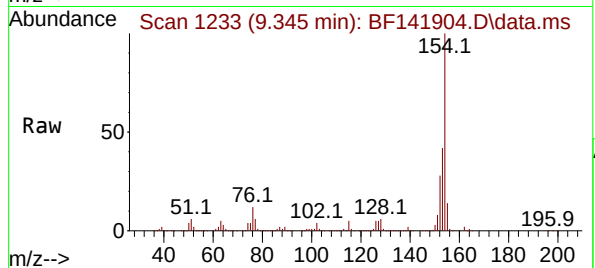
Tgt Ion:172 Resp: 4513418
Ion Ratio Lower Upper
172 100
171 38.4 29.3 43.9
170 25.5 19.4 29.0





#46
1,1'-Biphenyl
Concen: 76.503 ng
RT: 9.345 min Scan# 11
Delta R.T. 0.006 min
Lab File: BF141904.D
Acq: 10 Mar 2025 14:27

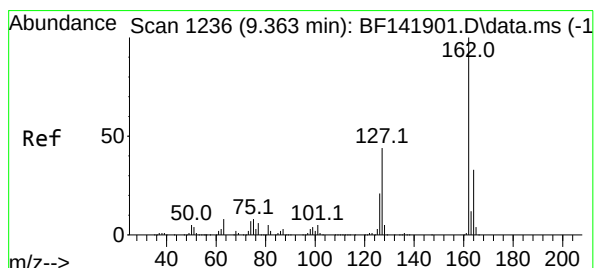
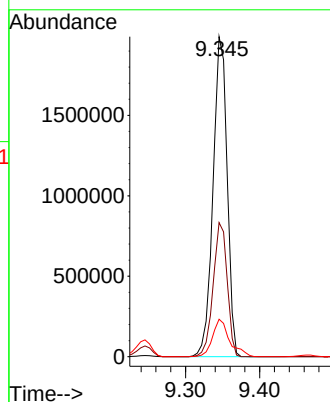
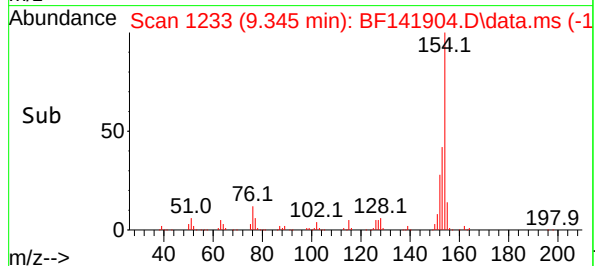
Instrument :
BNA_F
ClientSampleId :
SSTDICC080



Tgt Ion:154 Resp: 262669
Ion Ratio Lower Upper
154 100
153 41.9 21.1 61.1
76 11.7 0.0 31.3

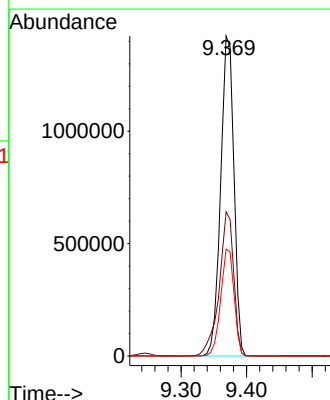
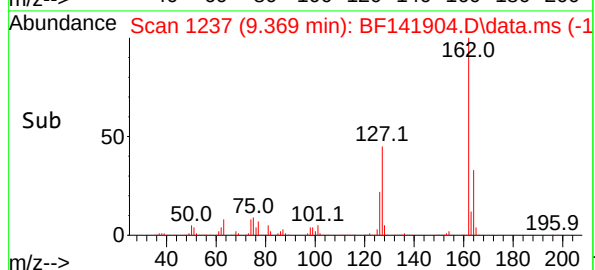
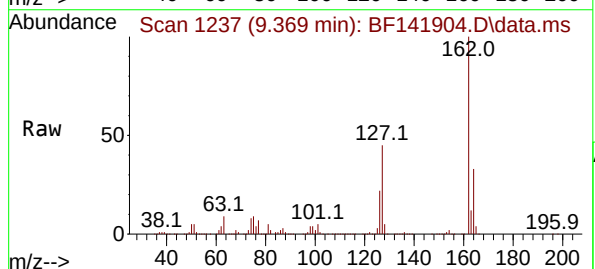
Manual Integrations
APPROVED

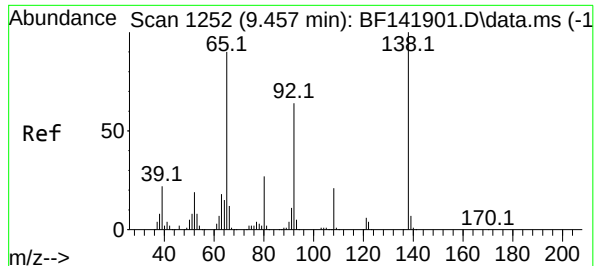
Reviewed By :Anahy Claudio 03/11/2025
Supervised By :Jagrut Upadhyay 03/11/2025



#47
2-Chloronaphthalene
Concen: 77.859 ng
RT: 9.369 min Scan# 1237
Delta R.T. 0.006 min
Lab File: BF141904.D
Acq: 10 Mar 2025 14:27

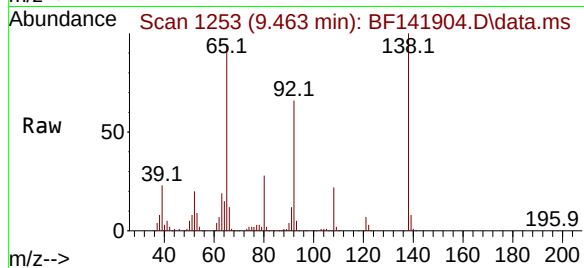
Tgt Ion:162 Resp: 1992242
Ion Ratio Lower Upper
162 100
127 45.0 35.5 53.3
164 33.4 26.6 40.0





#48
2-Nitroaniline
Concen: 81.326 ng
RT: 9.463 min Scan# 11
Delta R.T. 0.006 min
Lab File: BF141904.D
Acq: 10 Mar 2025 14:27

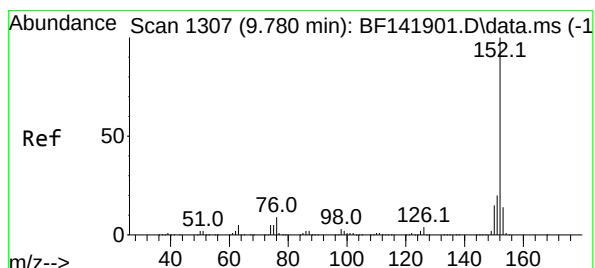
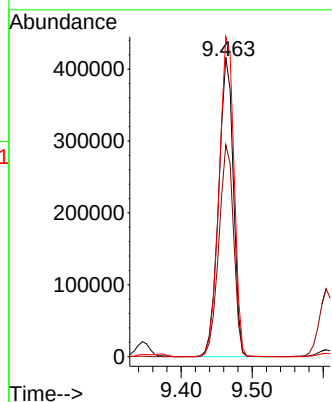
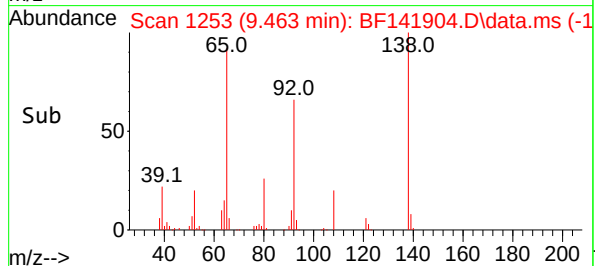
Instrument :
BNA_F
ClientSampleId :
SSTDICC080



Tgt Ion: 65 Resp: 597778
Ion Ratio Lower Upper
65 100
92 70.8 56.6 84.8
138 106.9 88.6 133.0

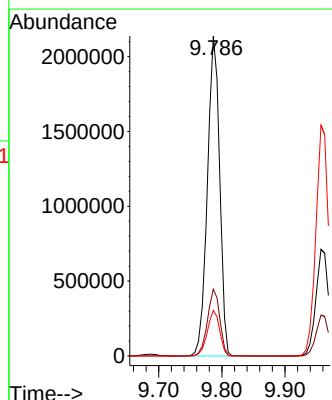
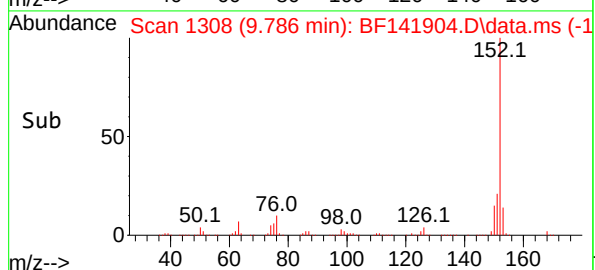
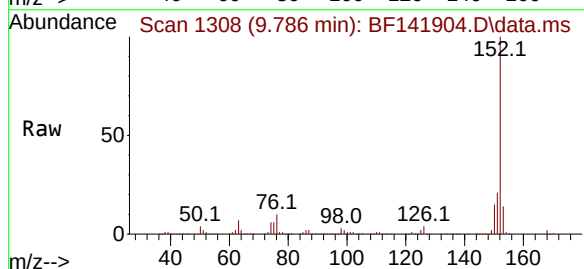
Manual Integrations
APPROVED

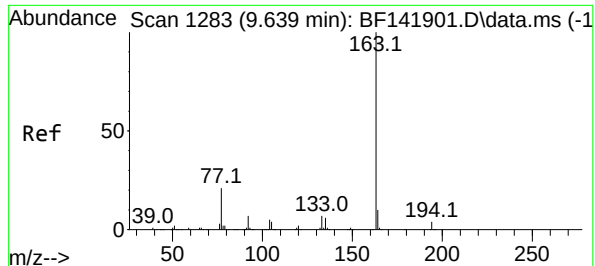
Reviewed By :Anahy Claudio 03/11/2025
Supervised By :Jagrut Upadhyay 03/11/2025



#49
Acenaphthylene
Concen: 75.877 ng
RT: 9.786 min Scan# 1308
Delta R.T. 0.006 min
Lab File: BF141904.D
Acq: 10 Mar 2025 14:27

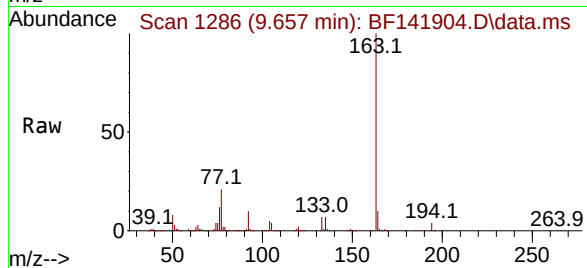
Tgt Ion:152 Resp: 2878496
Ion Ratio Lower Upper
152 100
151 20.9 16.3 24.5
153 14.2 11.1 16.7





#50
Dimethylphthalate
Concen: 77.192 ng
RT: 9.657 min Scan# 1286
Delta R.T. 0.018 min
Lab File: BF141904.D
Acq: 10 Mar 2025 14:27

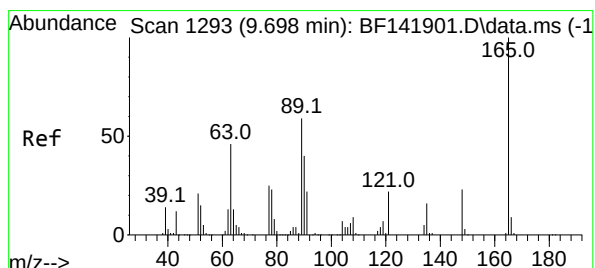
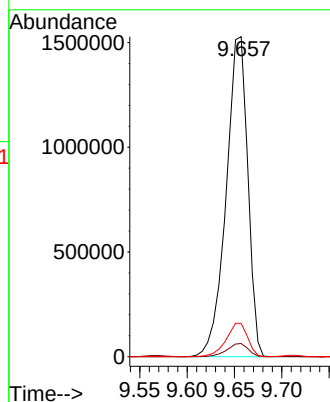
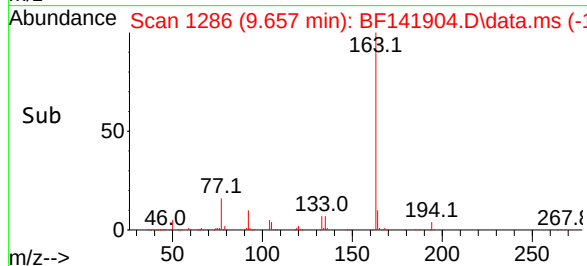
Instrument :
BNA_F
ClientSampleId :
SSTDICC080



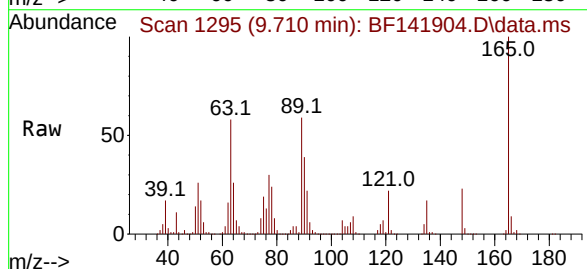
Tgt Ion:163 Resp: 242884
Ion Ratio Lower Upper
163 100
194 4.1 3.1 4.7
164 10.4 8.2 12.4

Manual Integrations
APPROVED

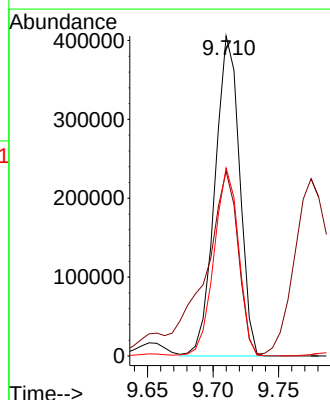
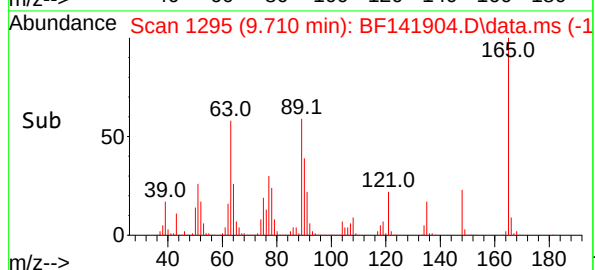
Reviewed By :Anahy Claudio 03/11/2025
Supervised By :Jagrut Upadhyay 03/11/2025

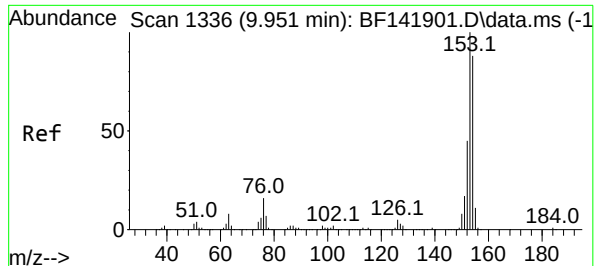


#51
2,6-Dinitrotoluene
Concen: 80.867 ng
RT: 9.710 min Scan# 1295
Delta R.T. 0.012 min
Lab File: BF141904.D
Acq: 10 Mar 2025 14:27



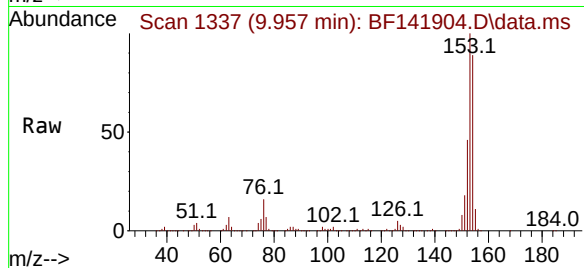
Tgt Ion:165 Resp: 529139
Ion Ratio Lower Upper
165 100
63 57.7 47.0 70.4
89 58.8 47.4 71.2





#52
Acenaphthene
Concen: 77.872 ng
RT: 9.957 min Scan# 11
Delta R.T. 0.006 min
Lab File: BF141904.D
Acq: 10 Mar 2025 14:27

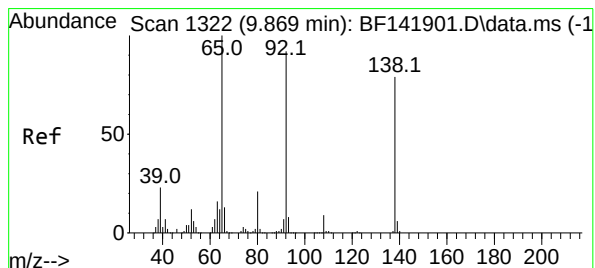
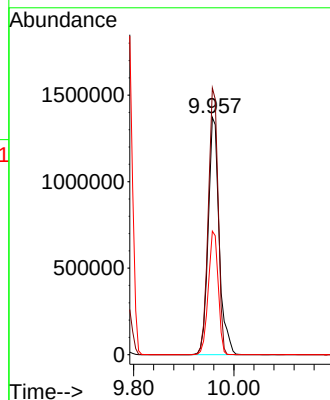
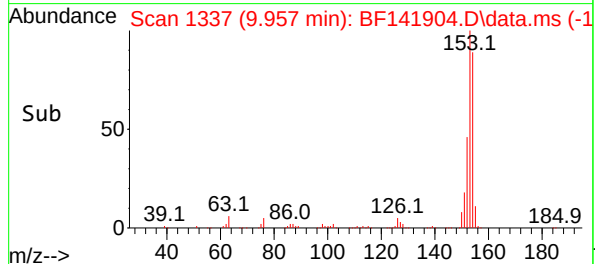
Instrument :
BNA_F
ClientSampleId :
SSTDICC080



Tgt Ion:154 Resp: 208594
Ion Ratio Lower Upper
154 100
153 112.4 90.7 136.1
152 52.0 41.1 61.7

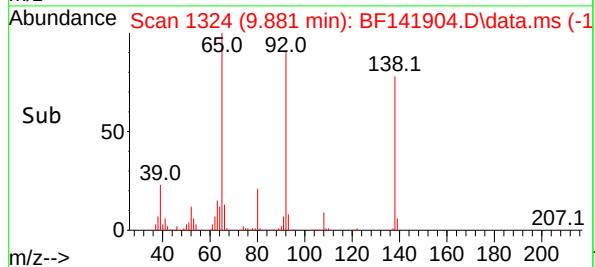
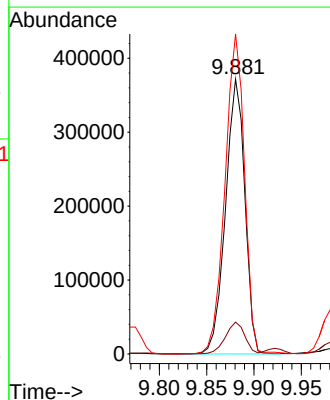
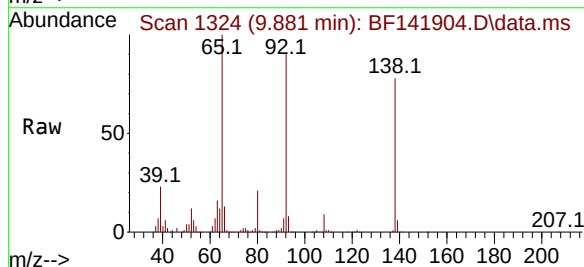
Manual Integrations
APPROVED

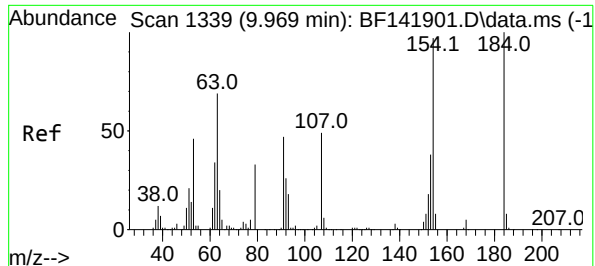
Reviewed By :Anahy Claudio 03/11/2025
Supervised By :Jagrut Upadhyay 03/11/2025



#53
3-Nitroaniline
Concen: 78.435 ng
RT: 9.881 min Scan# 1324
Delta R.T. 0.012 min
Lab File: BF141904.D
Acq: 10 Mar 2025 14:27

Tgt Ion:138 Resp: 526980
Ion Ratio Lower Upper
138 100
108 11.6 9.3 13.9
92 116.4 93.5 140.3





#54

2,4-Dinitrophenol

Concen: 81.479 ng

RT: 9.981 min Scan# 1341

Delta R.T. 0.012 min

Lab File: BF141904.D

Acq: 10 Mar 2025 14:27

Instrument :

BNA_F

ClientSampleId :

SSTDICC080

Tgt Ion:184 Resp: 305399

Ion Ratio Lower Upper

184 100

63 68.1 60.2 90.4

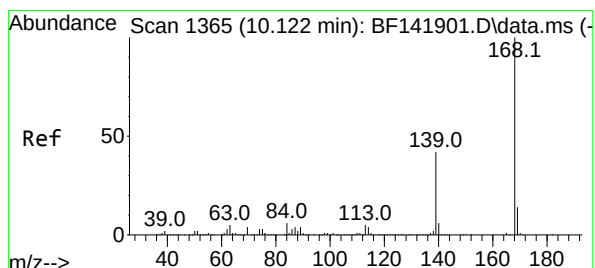
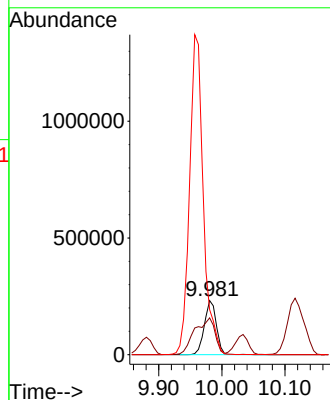
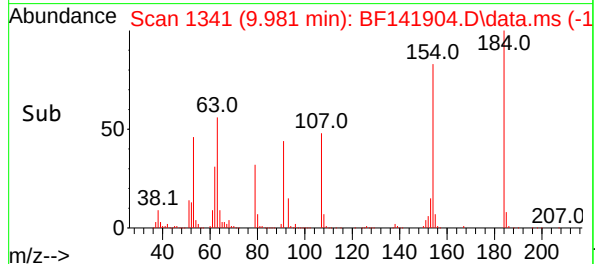
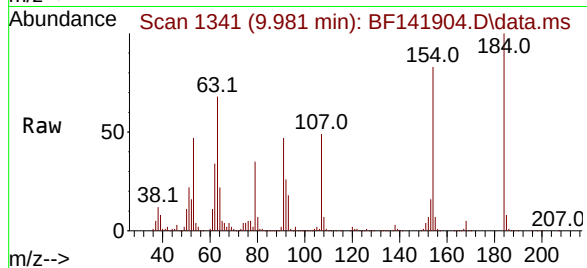
154 82.9 132.9 199.3

Manual Integrations

APPROVED

Reviewed By :Anahy Claudio 03/11/2025

Supervised By :Jagrut Upadhyay 03/11/2025



#55

Dibenzofuran

Concen: 74.474 ng

RT: 10.128 min Scan# 1366

Delta R.T. 0.006 min

Lab File: BF141904.D

Acq: 10 Mar 2025 14:27

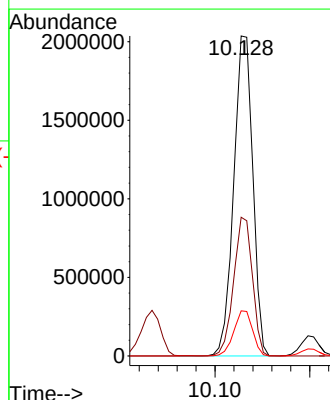
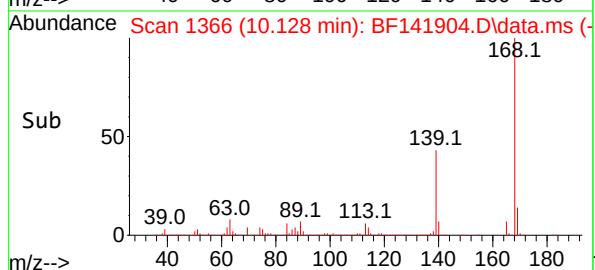
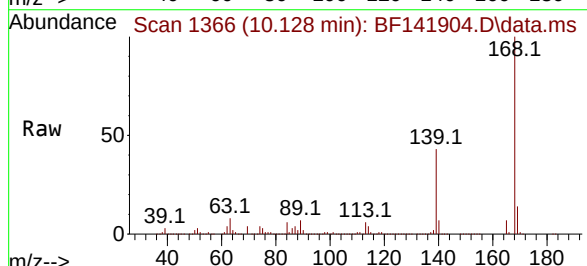
Tgt Ion:168 Resp: 2844432

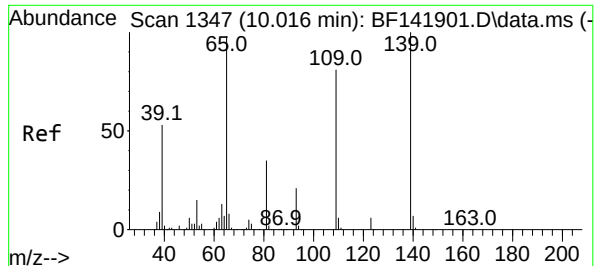
Ion Ratio Lower Upper

168 100

139 43.4 33.9 50.9

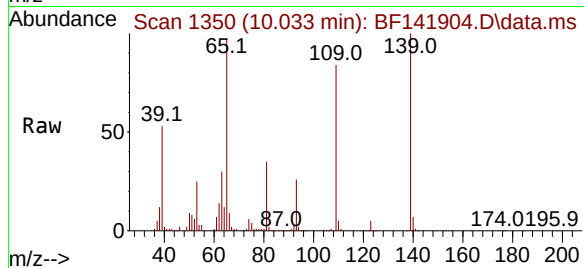
169 14.1 11.0 16.4





#56
4-Nitrophenol
Concen: 82.456 ng
RT: 10.033 min Scan# 1347
Delta R.T. 0.018 min
Lab File: BF141904.D
Acq: 10 Mar 2025 14:27

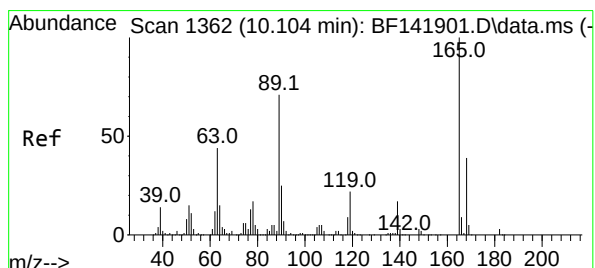
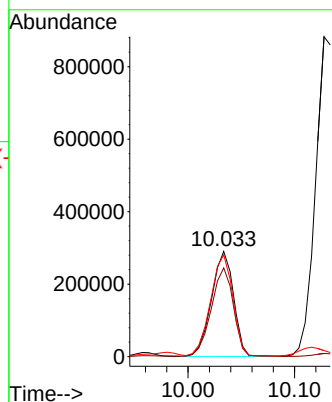
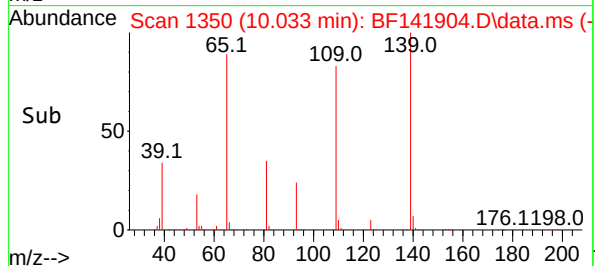
Instrument :
BNA_F
ClientSampleId :
SSTDICC080



Tgt Ion:139 Resp: 41615
Ion Ratio Lower Upper
139 100
109 84.3 61.6 101.6
65 96.7 79.4 119.4

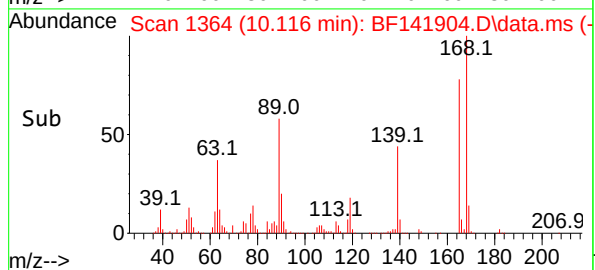
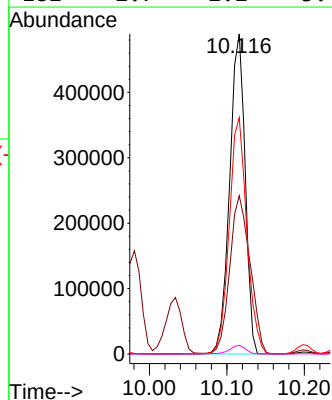
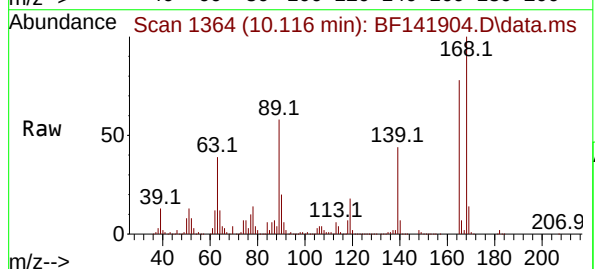
Manual Integrations
APPROVED

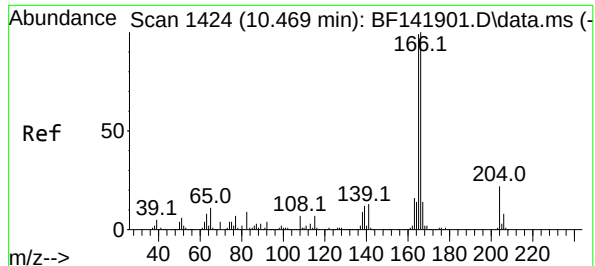
Reviewed By :Anahy Claudio 03/11/2025
Supervised By :Jagrut Upadhyay 03/11/2025



#57
2,4-Dinitrotoluene
Concen: 79.099 ng
RT: 10.116 min Scan# 1364
Delta R.T. 0.012 min
Lab File: BF141904.D
Acq: 10 Mar 2025 14:27

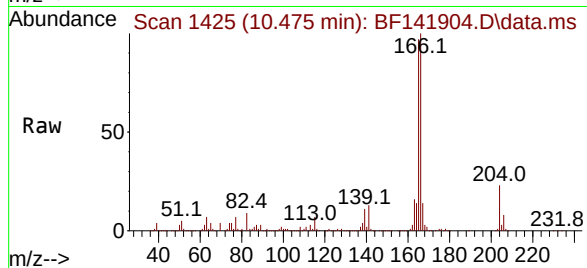
Tgt Ion:165 Resp: 681278
Ion Ratio Lower Upper
165 100
63 49.4 35.4 53.2
89 73.9 56.6 84.8
182 2.7 2.2 3.4





#58
Fluorene
Concen: 74.974 ng
RT: 10.475 min Scan# 1425
Delta R.T. 0.006 min
Lab File: BF141904.D
Acq: 10 Mar 2025 14:27

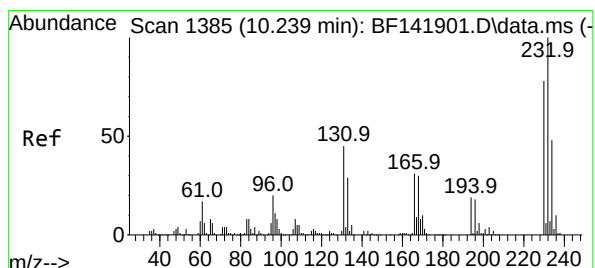
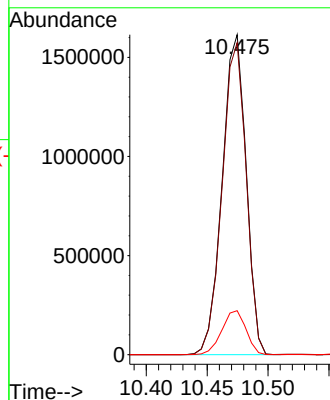
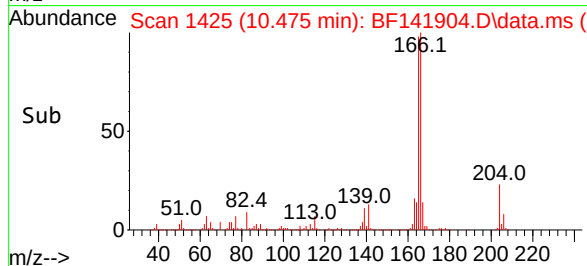
Instrument :
BNA_F
ClientSampleId :
SSTDICC080



Tgt Ion:166 Resp: 221065
Ion Ratio Lower Upper
166 100
165 97.5 79.0 118.4
167 13.8 11.0 16.4

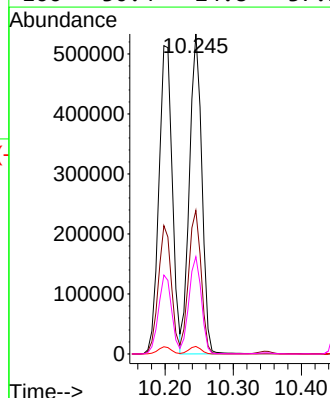
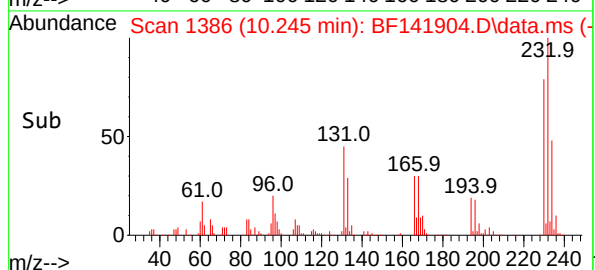
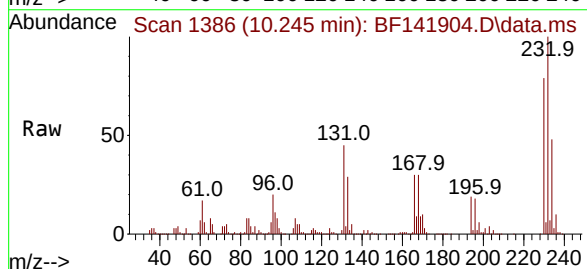
Manual Integrations
APPROVED

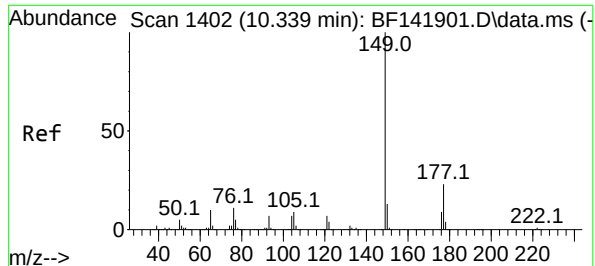
Reviewed By :Anahy Claudio 03/11/2025
Supervised By :Jagrut Upadhyay 03/11/2025



#59
2,3,4,6-Tetrachlorophenol
Concen: 80.507 ng
RT: 10.245 min Scan# 1386
Delta R.T. 0.006 min
Lab File: BF141904.D
Acq: 10 Mar 2025 14:27

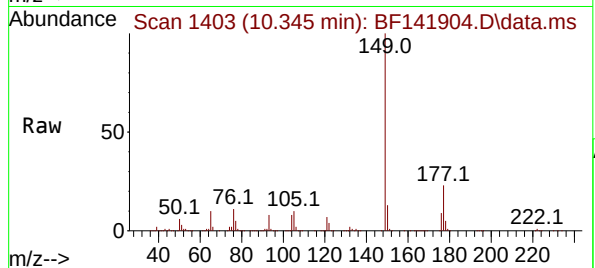
Tgt Ion:232 Resp: 668027
Ion Ratio Lower Upper
232 100
131 45.4 37.3 55.9
130 2.3 1.9 2.9
166 30.4 24.8 37.2





#60
Diethylphthalate
Concen: 74.681 ng
RT: 10.345 min Scan# 1402
Delta R.T. 0.006 min
Lab File: BF141904.D
Acq: 10 Mar 2025 14:27

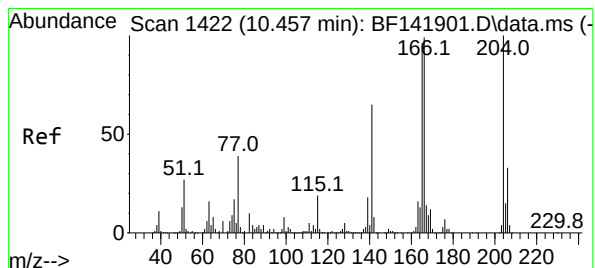
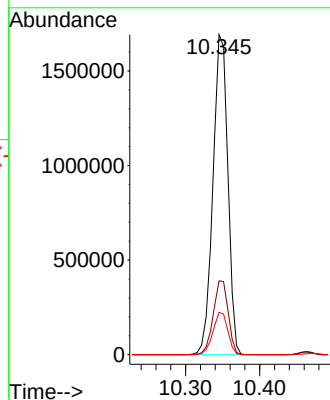
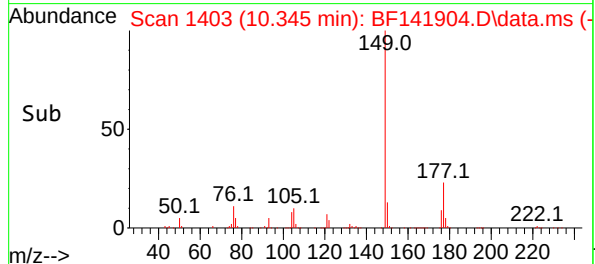
Instrument :
BNA_F
ClientSampleId :
SSTDICC080



Tgt Ion:149 Resp: 235892
Ion Ratio Lower Upper
149 100
177 23.1 18.0 27.0
150 13.3 10.2 15.4

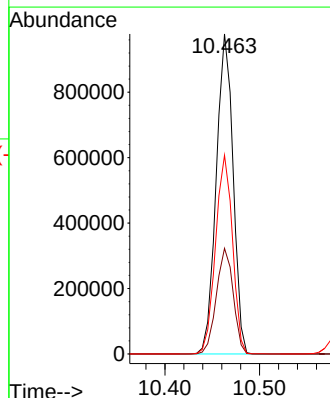
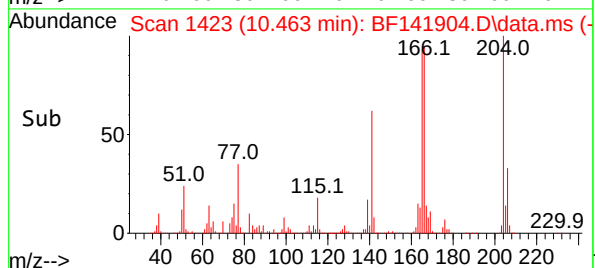
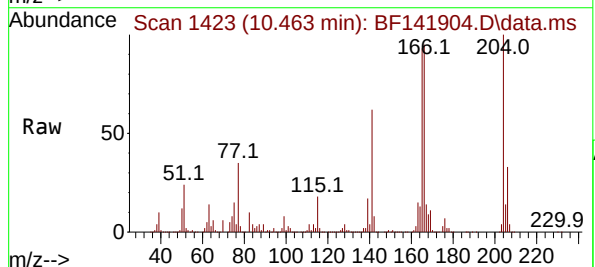
Manual Integrations
APPROVED

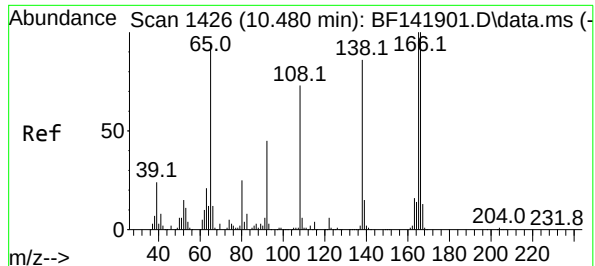
Reviewed By :Anahy Claudio 03/11/2025
Supervised By :Jagrut Upadhyay 03/11/2025



#61
4-Chlorophenyl-phenylether
Concen: 78.724 ng
RT: 10.463 min Scan# 1423
Delta R.T. 0.006 min
Lab File: BF141904.D
Acq: 10 Mar 2025 14:27

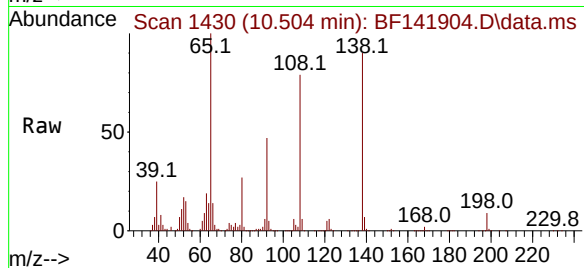
Tgt Ion:204 Resp: 1209021
Ion Ratio Lower Upper
204 100
206 33.0 26.8 40.2
141 62.1 52.4 78.6





#62
4-Nitroaniline
Concen: 77.243 ng
RT: 10.504 min Scan# 1426
Delta R.T. 0.024 min
Lab File: BF141904.D
Acq: 10 Mar 2025 14:27

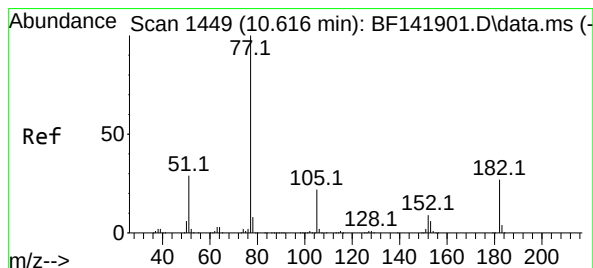
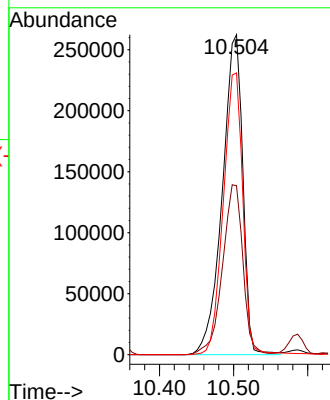
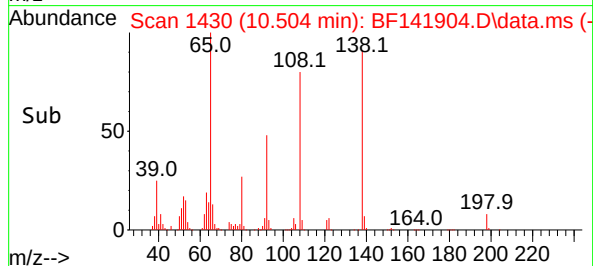
Instrument :
BNA_F
ClientSampleId :
SSTDICC080



Tgt Ion:138 Resp: 502894
Ion Ratio Lower Upper
138 100
92 52.8 32.6 72.6
108 88.1 65.0 105.0

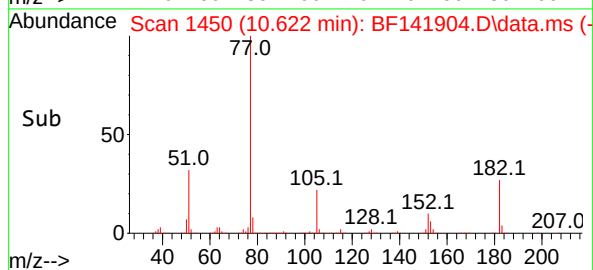
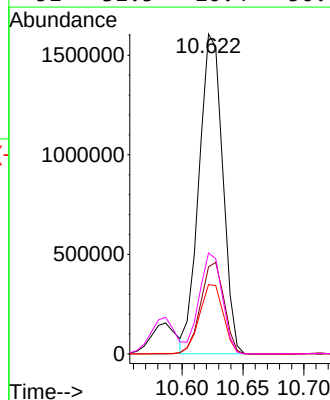
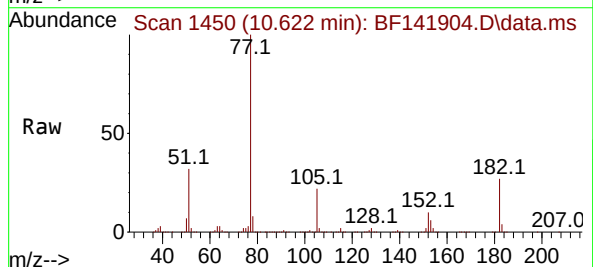
Manual Integrations
APPROVED

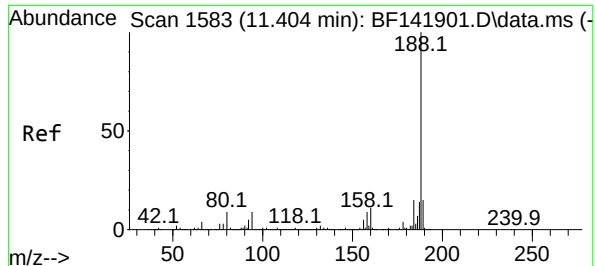
Reviewed By :Anahy Claudio 03/11/2025
Supervised By :Jagrut Upadhyay 03/11/2025



#63
Azobenzene
Concen: 73.911 ng
RT: 10.622 min Scan# 1450
Delta R.T. 0.006 min
Lab File: BF141904.D
Acq: 10 Mar 2025 14:27

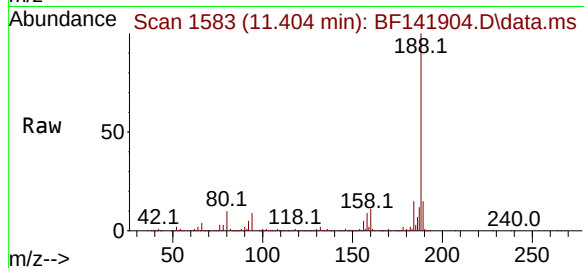
Tgt Ion: 77 Resp: 2168742
Ion Ratio Lower Upper
77 100
182 27.2 6.6 46.6
105 21.7 1.3 41.3
51 31.5 10.4 50.4





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.404 min Scan# 1583
Delta R.T. -0.000 min
Lab File: BF141904.D
Acq: 10 Mar 2025 14:27

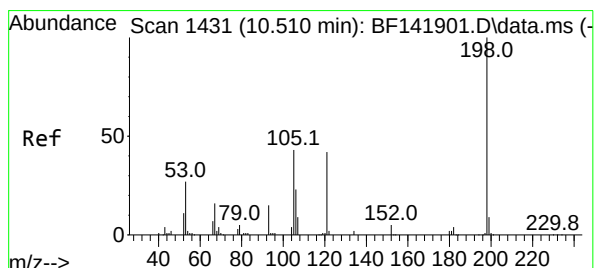
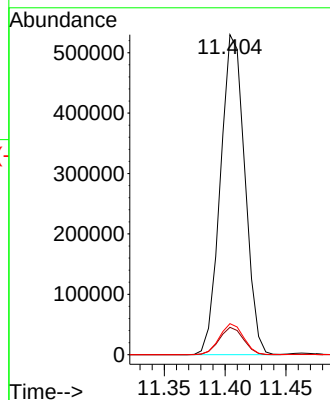
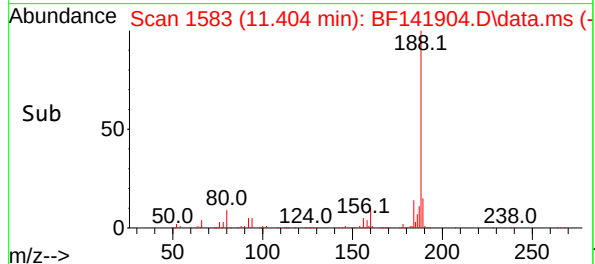
Instrument :
BNA_F
ClientSampleId :
SSTDICC080



Tgt Ion:188 Resp: 738472
Ion Ratio Lower Upper
188 100
94 8.5 6.8 10.2
80 9.7 7.6 11.4

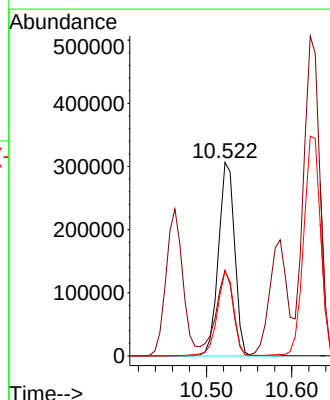
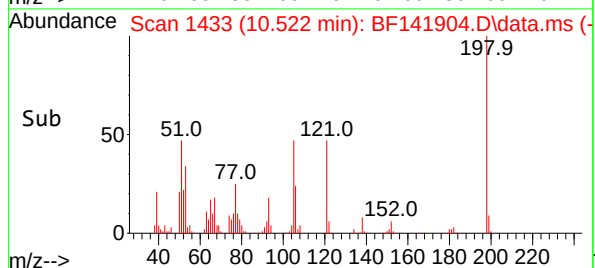
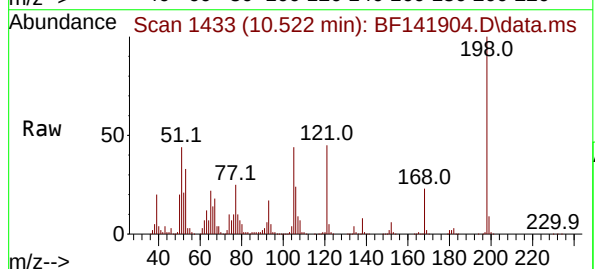
Manual Integrations
APPROVED

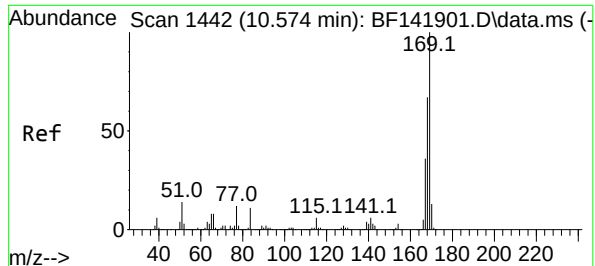
Reviewed By :Anahy Claudio 03/11/2025
Supervised By :Jagrut Upadhyay 03/11/2025



#65
4,6-Dinitro-2-methylphenol
Concen: 92.396 ng
RT: 10.522 min Scan# 1433
Delta R.T. 0.012 min
Lab File: BF141904.D
Acq: 10 Mar 2025 14:27

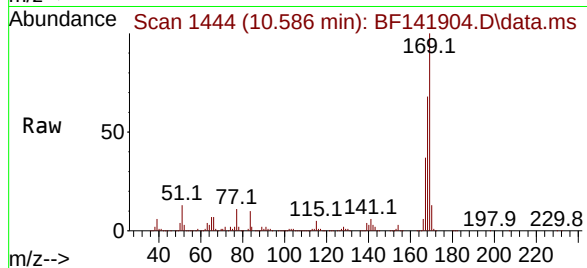
Tgt Ion:198 Resp: 404505
Ion Ratio Lower Upper
198 100
51 44.2 22.3 62.3
105 43.9 23.0 63.0





#66
n-Nitrosodiphenylamine
Concen: 78.895 ng
RT: 10.586 min Scan# 1444
Delta R.T. 0.012 min
Lab File: BF141904.D
Acq: 10 Mar 2025 14:27

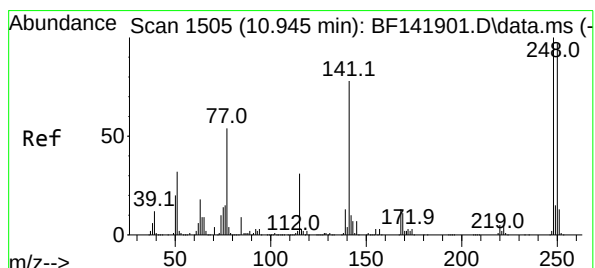
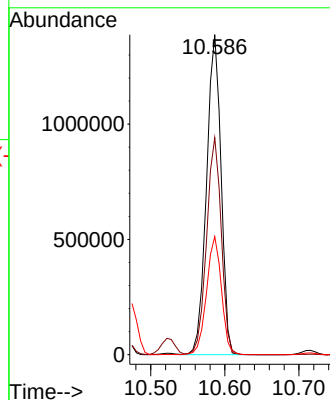
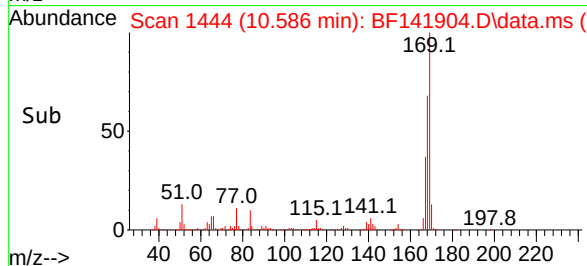
Instrument :
BNA_F
ClientSampleId :
SSTDICC080



Tgt Ion:169 Resp: 1882098
Ion Ratio Lower Upper
169 100
168 67.8 53.7 80.5
167 36.9 29.2 43.8

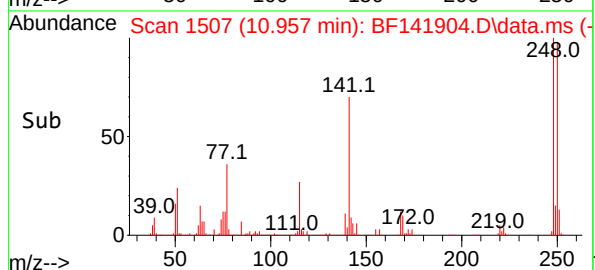
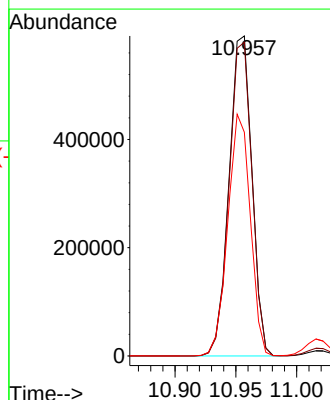
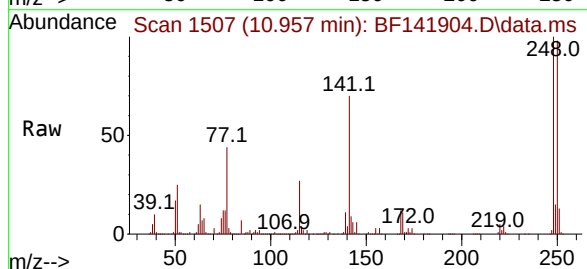
Manual Integrations
APPROVED

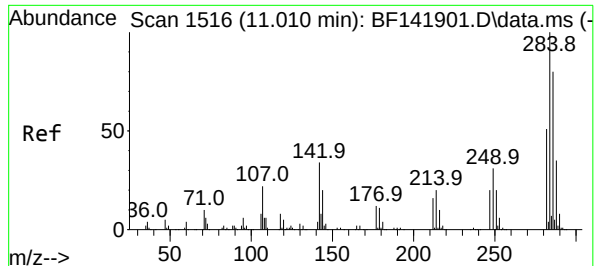
Reviewed By :Anahy Claudio 03/11/2025
Supervised By :Jagrut Upadhyay 03/11/2025



#67
4-Bromophenyl-phenylether
Concen: 84.232 ng
RT: 10.957 min Scan# 1507
Delta R.T. 0.012 min
Lab File: BF141904.D
Acq: 10 Mar 2025 14:27

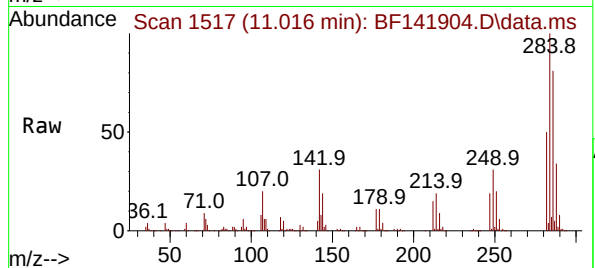
Tgt Ion:248 Resp: 774645
Ion Ratio Lower Upper
248 100
250 98.1 77.8 116.8
141 69.9 62.6 93.8





#68
Hexachlorobenzene
Concen: 84.832 ng
RT: 11.016 min Scan# 1516
Delta R.T. 0.006 min
Lab File: BF141904.D
Acq: 10 Mar 2025 14:27

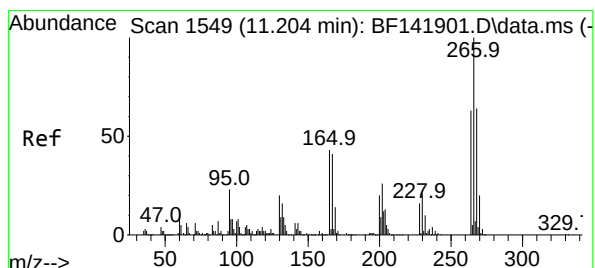
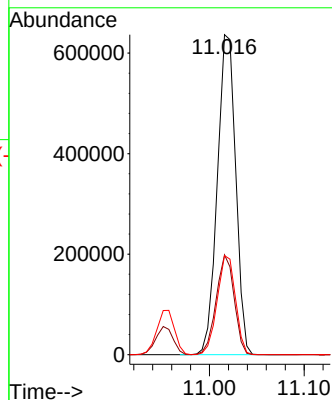
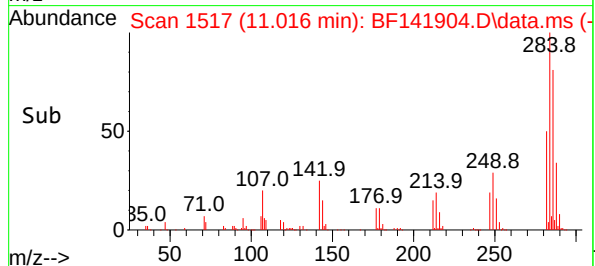
Instrument :
BNA_F
ClientSampleId :
SSTDICC080



Tgt Ion:284 Resp: 86235
Ion Ratio Lower Upper
284 100
142 31.2 27.0 40.6
249 31.0 25.2 37.8

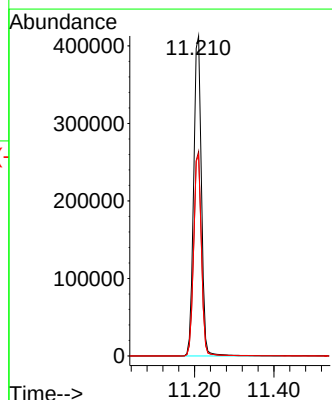
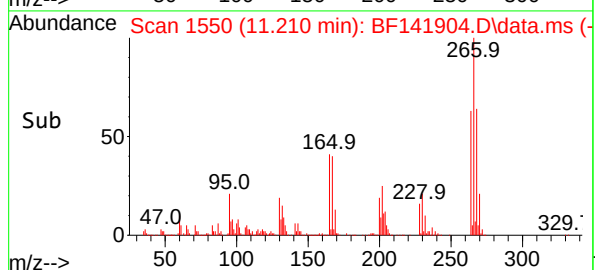
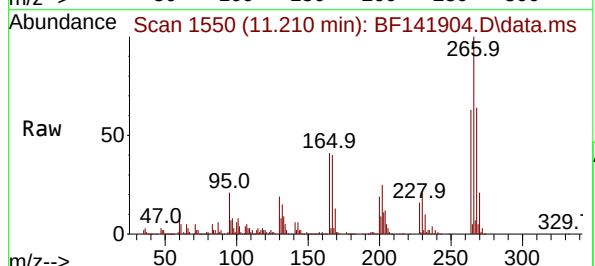
Manual Integrations
APPROVED

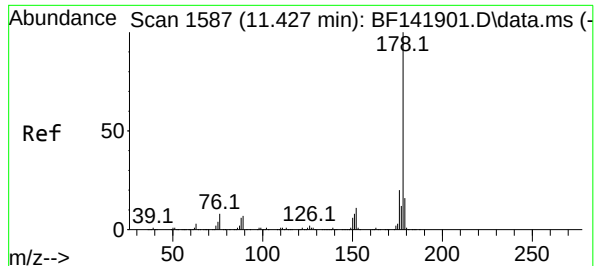
Reviewed By :Anahy Claudio 03/11/2025
Supervised By :Jagrut Upadhyay 03/11/2025



#70
Pentachlorophenol
Concen: 89.813 ng
RT: 11.210 min Scan# 1550
Delta R.T. 0.006 min
Lab File: BF141904.D
Acq: 10 Mar 2025 14:27

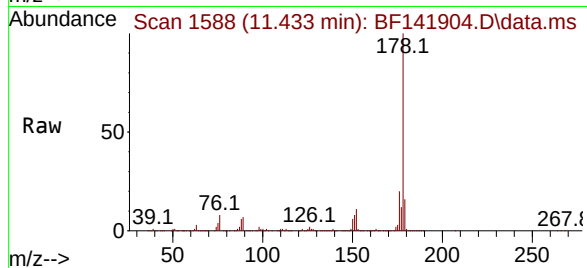
Tgt Ion:266 Resp: 563030
Ion Ratio Lower Upper
266 100
268 63.9 51.0 76.6
264 62.9 50.2 75.2





#71
Phenanthrene
Concen: 75.649 ng
RT: 11.433 min Scan# 1587
Delta R.T. 0.006 min
Lab File: BF141904.D
Acq: 10 Mar 2025 14:27

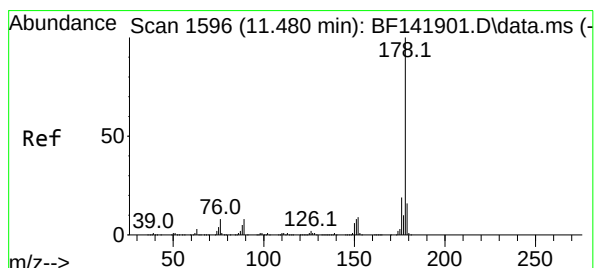
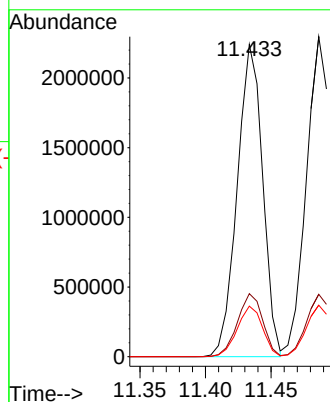
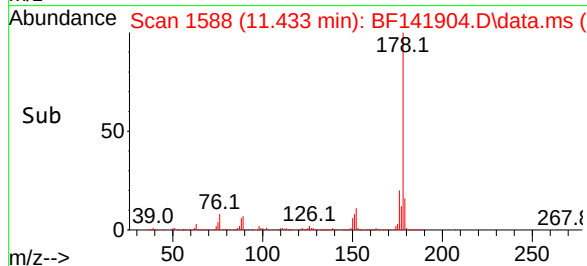
Instrument :
BNA_F
ClientSampleId :
SSTDICC080



Tgt Ion:178 Resp: 3020950
Ion Ratio Lower Upper
178 100
176 20.2 15.8 23.8
179 16.2 12.6 19.0

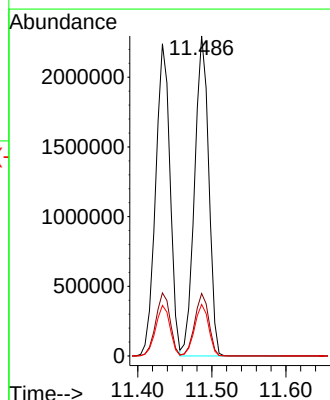
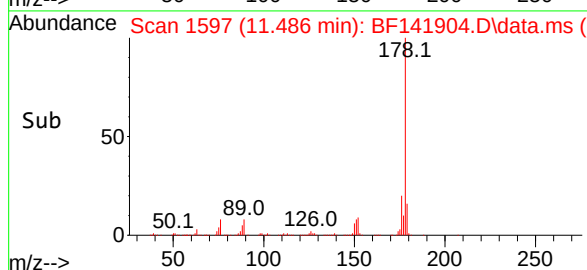
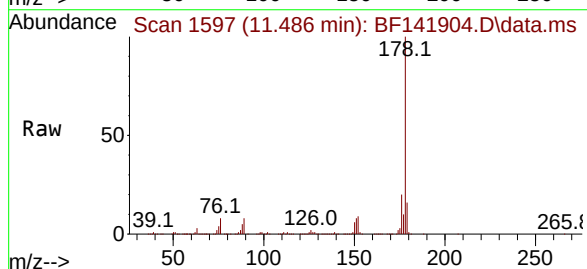
Manual Integrations
APPROVED

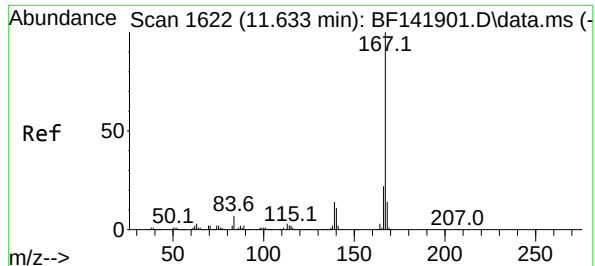
Reviewed By :Anahy Claudio 03/11/2025
Supervised By :Jagrut Upadhyay 03/11/2025



#72
Anthracene
Concen: 75.653 ng
RT: 11.486 min Scan# 1597
Delta R.T. 0.006 min
Lab File: BF141904.D
Acq: 10 Mar 2025 14:27

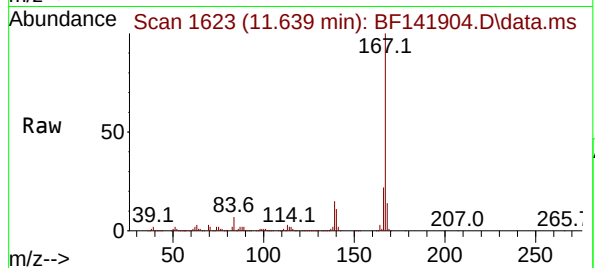
Tgt Ion:178 Resp: 3031014
Ion Ratio Lower Upper
178 100
176 19.5 15.1 22.7
179 16.1 12.6 19.0





#73
Carbazole
Concen: 74.002 ng
RT: 11.639 min Scan# 1622
Delta R.T. 0.006 min
Lab File: BF141904.D
Acq: 10 Mar 2025 14:27

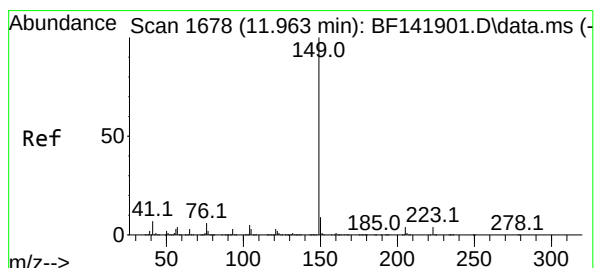
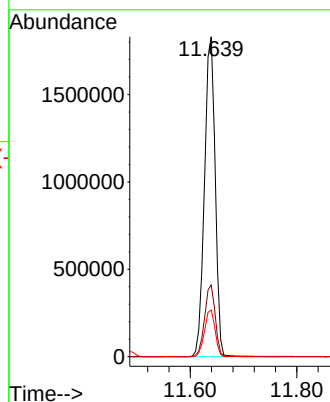
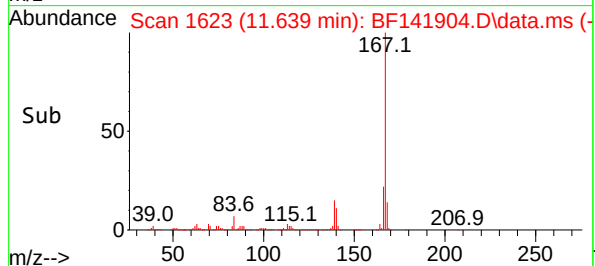
Instrument :
BNA_F
ClientSampleId :
SSTDICC080



Tgt Ion:167 Resp: 255256
Ion Ratio Lower Upper
167 100
166 22.4 17.4 26.2
139 14.6 11.0 16.6

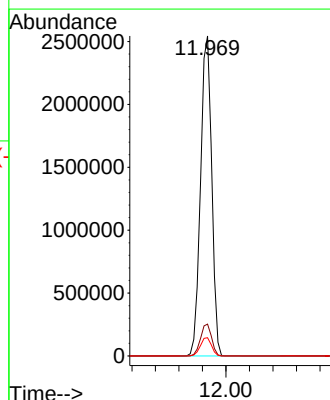
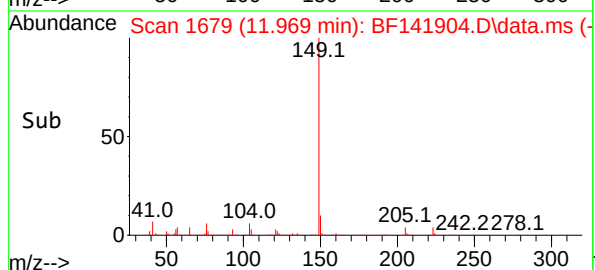
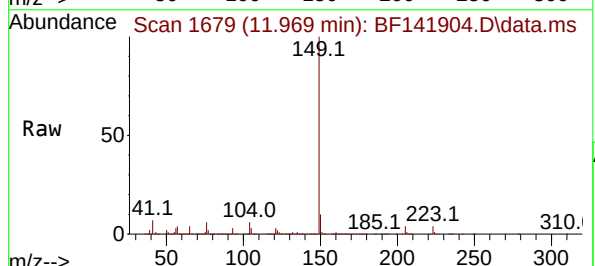
Manual Integrations
APPROVED

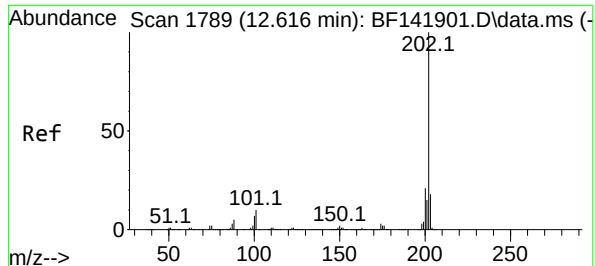
Reviewed By :Anahy Claudio 03/11/2025
Supervised By :Jagrut Upadhyay 03/11/2025



#74
Di-n-butylphthalate
Concen: 73.399 ng
RT: 11.969 min Scan# 1679
Delta R.T. 0.006 min
Lab File: BF141904.D
Acq: 10 Mar 2025 14:27

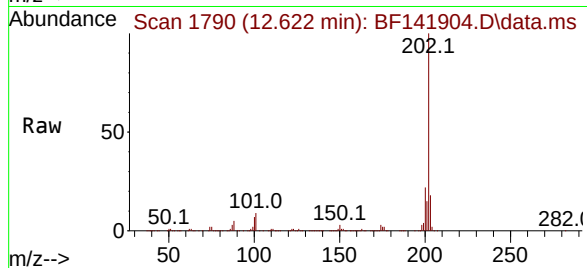
Tgt Ion:149 Resp: 3342776
Ion Ratio Lower Upper
149 100
150 10.0 7.6 11.4
104 5.7 4.4 6.6





#75
Fluoranthene
Concen: 71.694 ng
RT: 12.622 min Scan# 1789
Delta R.T. 0.006 min
Lab File: BF141904.D
Acq: 10 Mar 2025 14:27

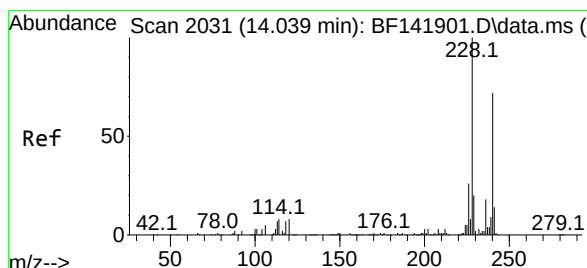
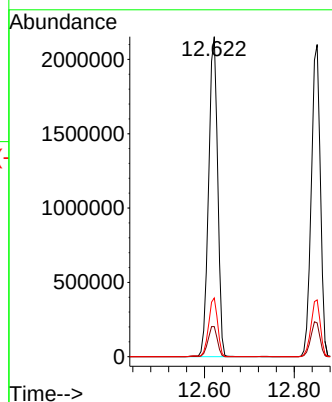
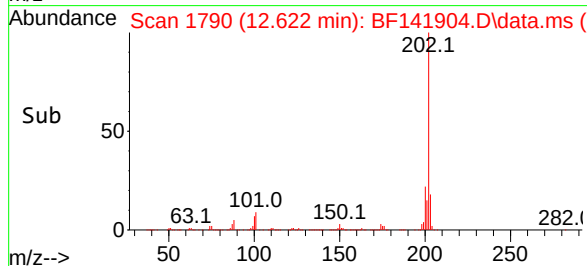
Instrument :
BNA_F
ClientSampleId :
SSTDICC080



Tgt Ion:202 Resp: 300556
Ion Ratio Lower Upper
202 100
101 9.4 0.0 29.7
203 18.4 0.0 37.8

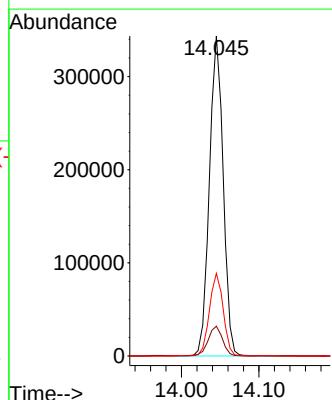
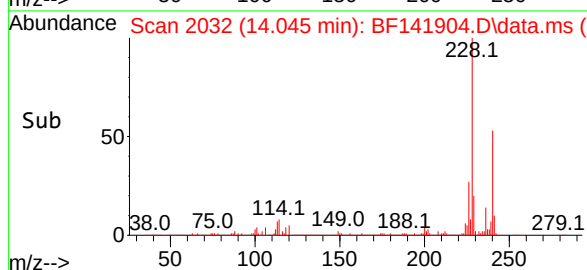
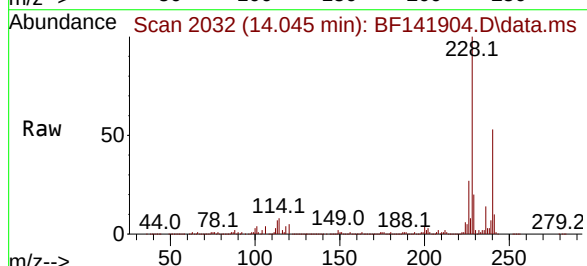
Manual Integrations
APPROVED

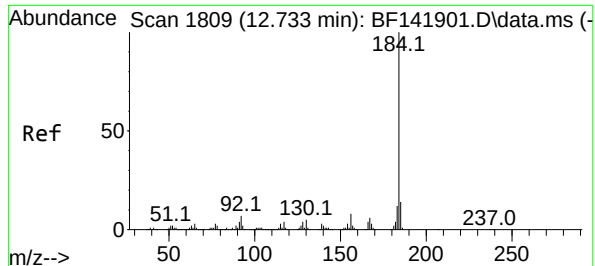
Reviewed By :Anahy Claudio 03/11/2025
Supervised By :Jagrut Upadhyay 03/11/2025



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.045 min Scan# 2032
Delta R.T. 0.006 min
Lab File: BF141904.D
Acq: 10 Mar 2025 14:27

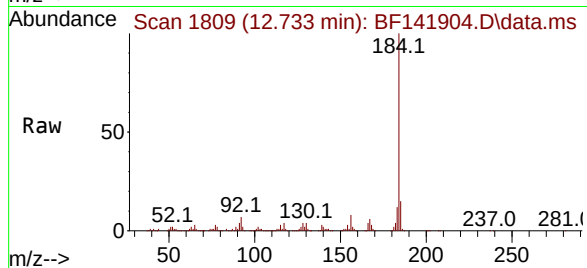
Tgt Ion:240 Resp: 424370
Ion Ratio Lower Upper
240 100
120 9.3 8.4 12.6
236 25.8 20.5 30.7





#77
Benzidine
Concen: 71.330 ng
RT: 12.733 min Scan# 1809
Delta R.T. 0.000 min
Lab File: BF141904.D
Acq: 10 Mar 2025 14:27

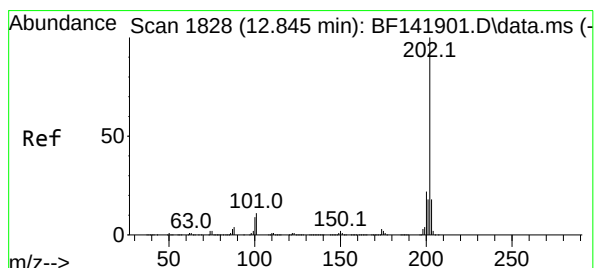
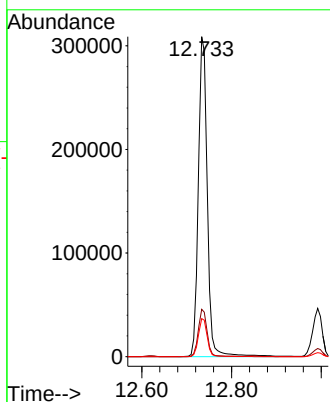
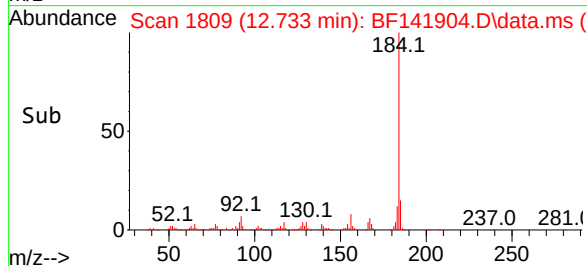
Instrument :
BNA_F
ClientSampleId :
SSTDICC080



Tgt Ion:184 Resp: 427770
Ion Ratio Lower Upper
184 100
185 14.8 11.5 17.3
183 11.9 9.7 14.5

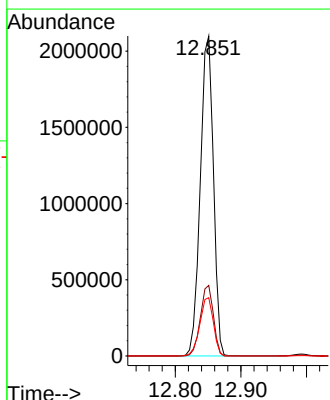
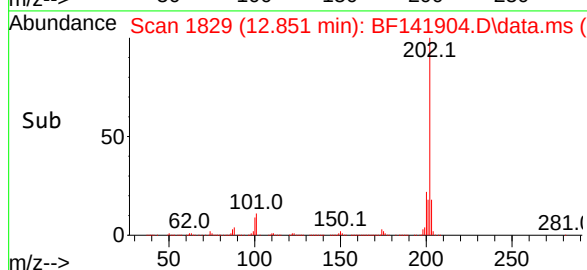
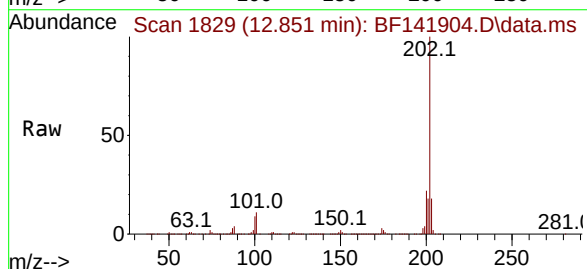
Manual Integrations
APPROVED

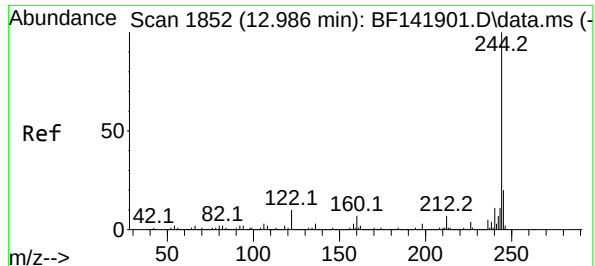
Reviewed By :Anahy Claudio 03/11/2025
Supervised By :Jagrut Upadhyay 03/11/2025



#78
Pyrene
Concen: 80.513 ng
RT: 12.851 min Scan# 1829
Delta R.T. 0.006 min
Lab File: BF141904.D
Acq: 10 Mar 2025 14:27

Tgt Ion:202 Resp: 2930115
Ion Ratio Lower Upper
202 100
200 22.1 17.3 25.9
203 18.2 14.4 21.6





#79

Terphenyl-d14

Concen: 163.713 ng

RT: 12.992 min Scan# 1853

Delta R.T. 0.006 min

Lab File: BF141904.D

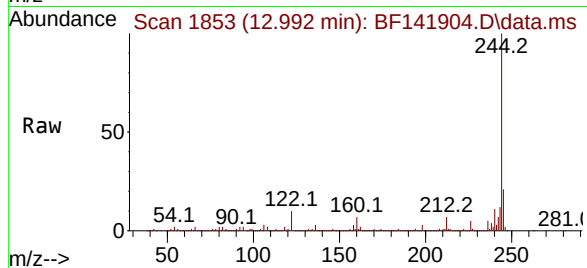
Acq: 10 Mar 2025 14:27

Instrument :

BNA_F

ClientSampleId :

SSTDICC080



Tgt Ion:244 Resp: 4700020

Ion Ratio Lower Upper

244 100

212 7.4 6.0 9.0

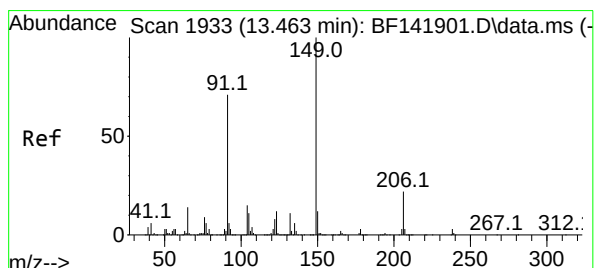
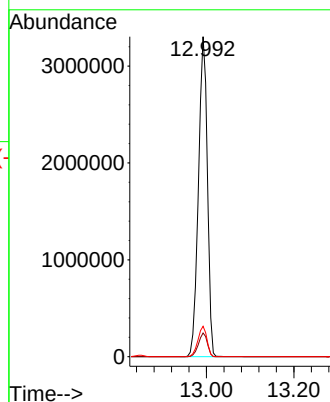
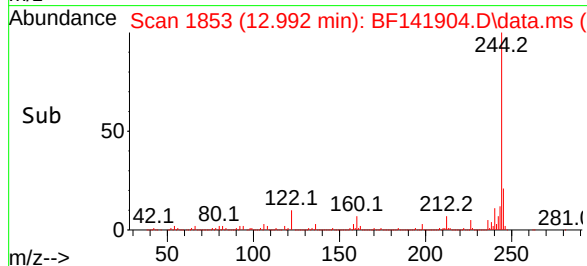
122 9.5 7.7 11.5

Manual Integrations

APPROVED

Reviewed By :Anahy Claudio 03/11/2025

Supervised By :Jagrut Upadhyay 03/11/2025



#80

Butylbenzylphthalate

Concen: 80.189 ng

RT: 13.463 min Scan# 1933

Delta R.T. 0.000 min

Lab File: BF141904.D

Acq: 10 Mar 2025 14:27

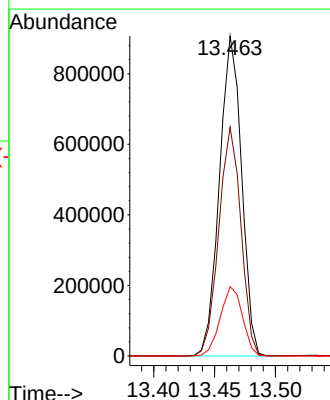
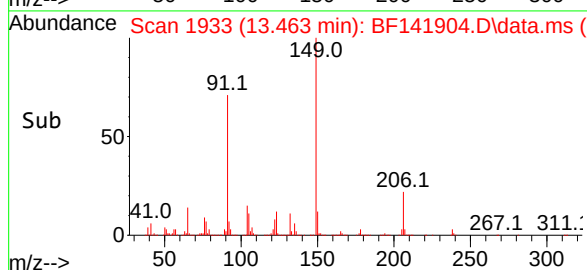
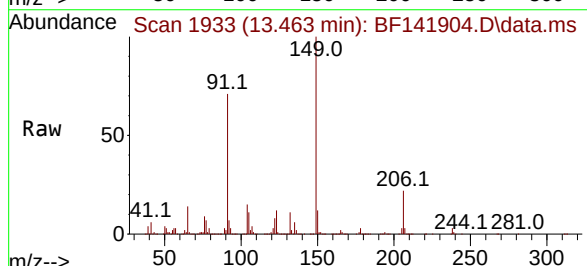
Tgt Ion:149 Resp: 1149989

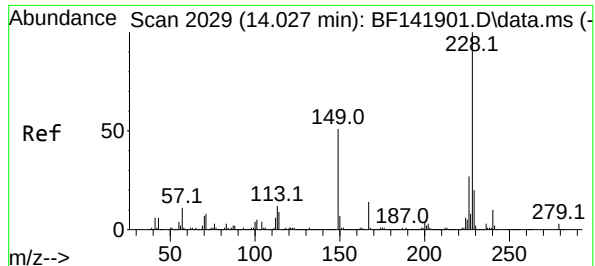
Ion Ratio Lower Upper

149 100

91 71.4 56.5 84.7

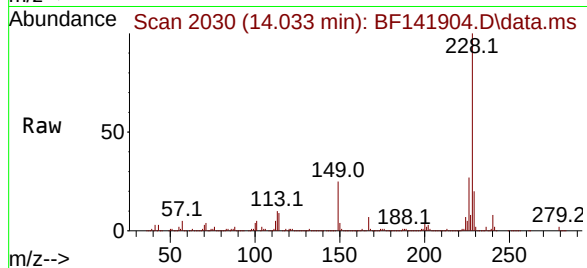
206 21.7 17.3 25.9





#81
Benzo(a)anthracene
Concen: 78.692 ng
RT: 14.033 min Scan# 2029
Delta R.T. 0.006 min
Lab File: BF141904.D
Acq: 10 Mar 2025 14:27

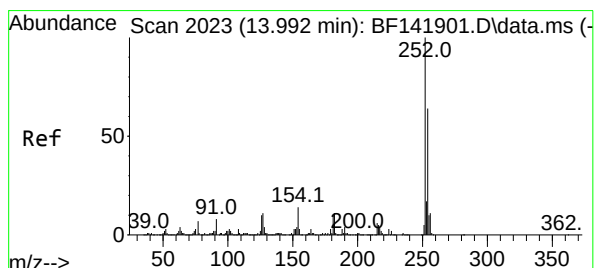
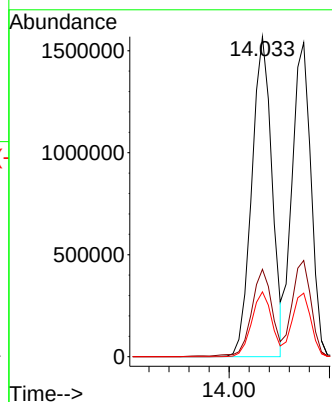
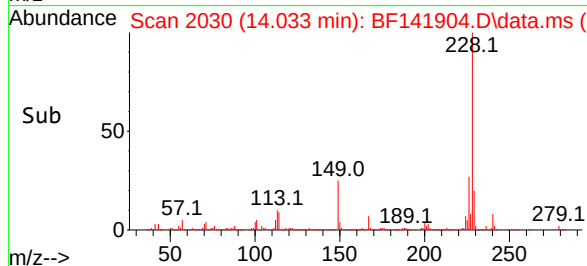
Instrument :
BNA_F
ClientSampleId :
SSTDICC080



Tgt Ion:228 Resp: 219693
Ion Ratio Lower Upper
228 100
226 27.3 21.8 32.8
229 20.3 16.0 24.0

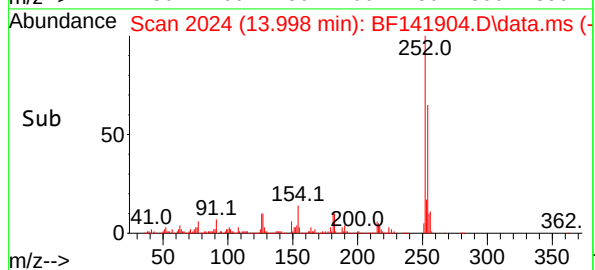
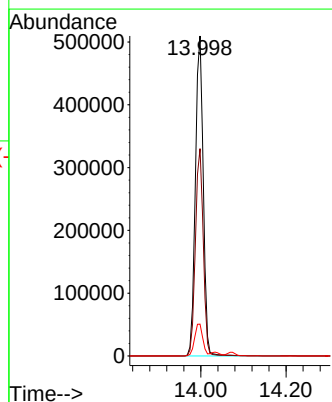
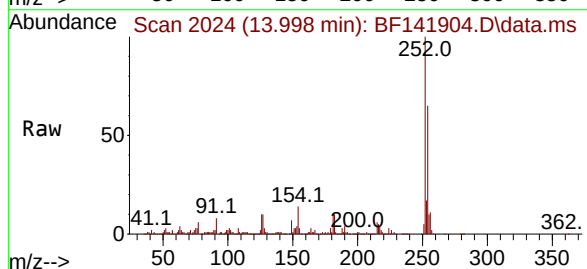
Manual Integrations
APPROVED

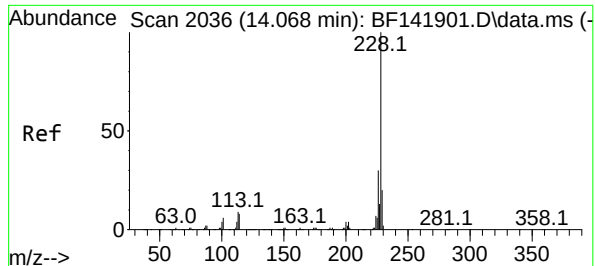
Reviewed By :Anahy Claudio 03/11/2025
Supervised By :Jagrut Upadhyay 03/11/2025



#82
3,3'-Dichlorobenzidine
Concen: 80.884 ng
RT: 13.998 min Scan# 2024
Delta R.T. 0.006 min
Lab File: BF141904.D
Acq: 10 Mar 2025 14:27

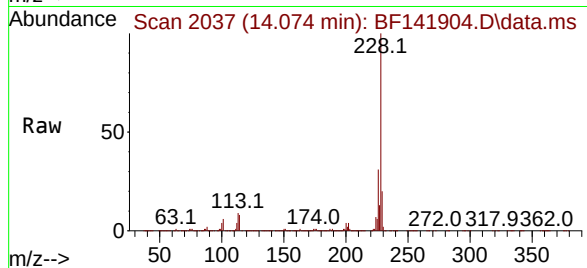
Tgt Ion:252 Resp: 652678
Ion Ratio Lower Upper
252 100
254 64.8 51.0 76.6
126 9.9 8.4 12.6





#83
Chrysene
Concen: 80.498 ng
RT: 14.074 min Scan# 2036
Delta R.T. 0.006 min
Lab File: BF141904.D
Acq: 10 Mar 2025 14:27

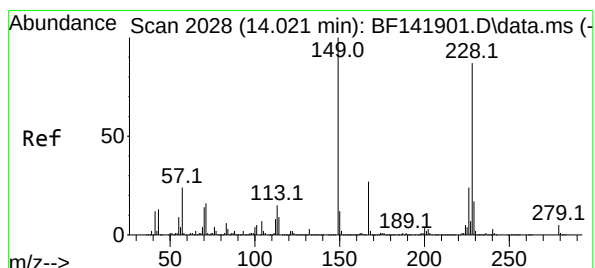
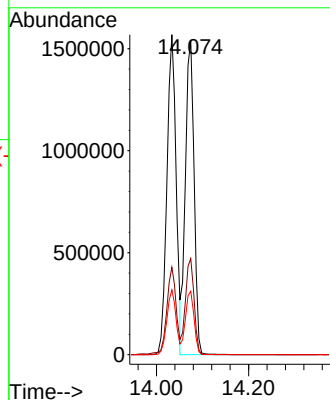
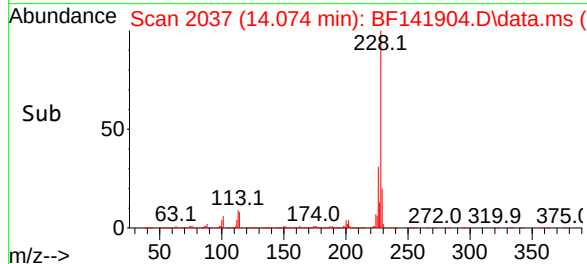
Instrument :
BNA_F
ClientSampleId :
SSTDICC080



Tgt Ion:228 Resp: 201883
Ion Ratio Lower Upper
228 100
226 30.6 24.1 36.1
229 20.2 15.7 23.5

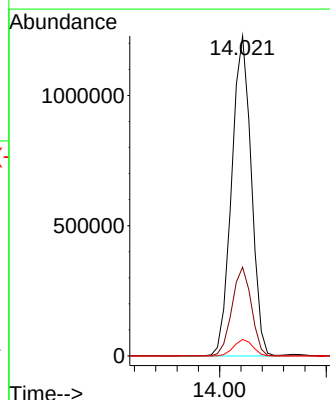
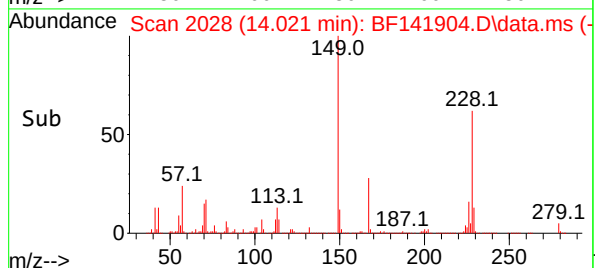
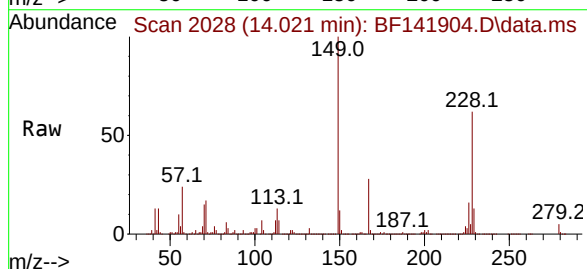
Manual Integrations
APPROVED

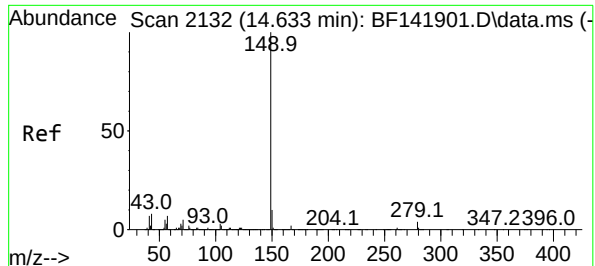
Reviewed By :Anahy Claudio 03/11/2025
Supervised By :Jagrut Upadhyay 03/11/2025



#84
Bis(2-ethylhexyl)phthalate
Concen: 79.962 ng
RT: 14.021 min Scan# 2028
Delta R.T. 0.000 min
Lab File: BF141904.D
Acq: 10 Mar 2025 14:27

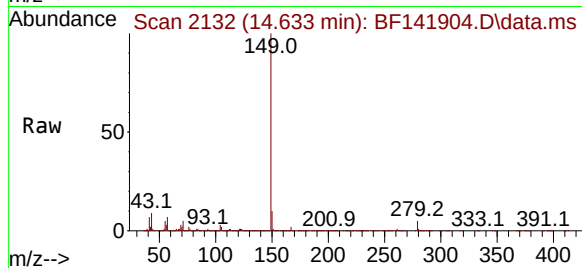
Tgt Ion:149 Resp: 1573231
Ion Ratio Lower Upper
149 100
167 27.7 21.4 32.0
279 5.2 3.8 5.6





#85
Di-n-octyl phthalate
Concen: 84.386 ng
RT: 14.633 min Scan# 2132
Delta R.T. 0.000 min
Lab File: BF141904.D
Acq: 10 Mar 2025 14:27

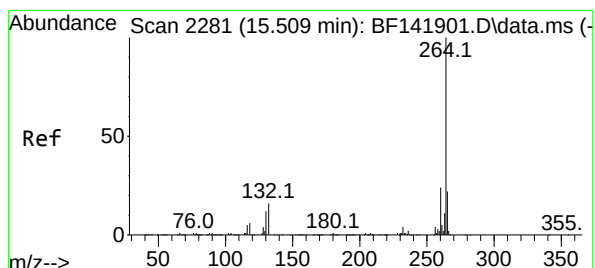
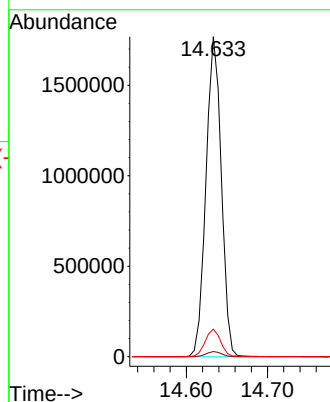
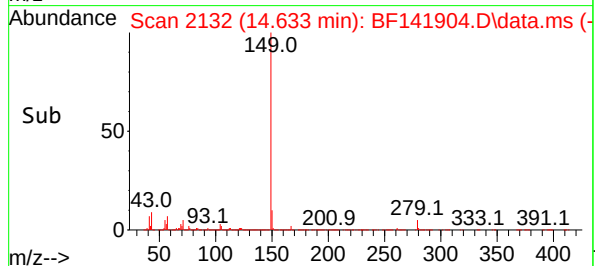
Instrument :
BNA_F
ClientSampleId :
SSTDICC080



Tgt Ion:149 Resp: 2310830
Ion Ratio Lower Upper
149 100
167 1.6 1.3 1.9
43 8.7 6.9 10.3

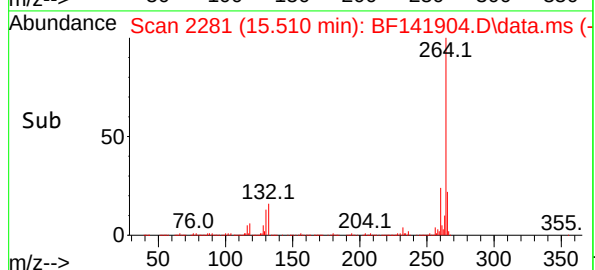
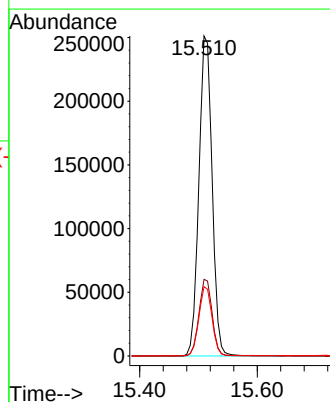
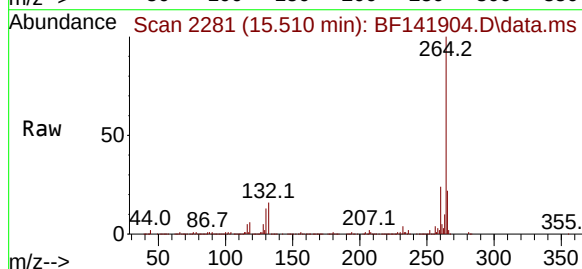
Manual Integrations
APPROVED

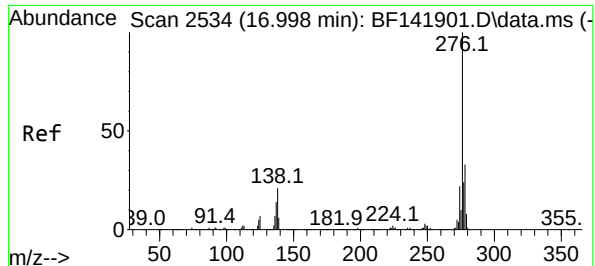
Reviewed By :Anahy Claudio 03/11/2025
Supervised By :Jagrut Upadhyay 03/11/2025



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.510 min Scan# 2281
Delta R.T. 0.000 min
Lab File: BF141904.D
Acq: 10 Mar 2025 14:27

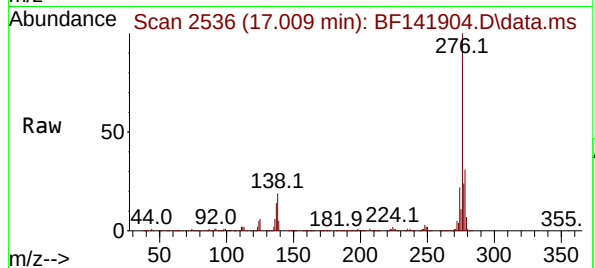
Tgt Ion:264 Resp: 391768
Ion Ratio Lower Upper
264 100
260 23.9 19.1 28.7
265 21.7 17.5 26.3





#87
Indeno(1,2,3-cd)pyrene
Concen: 88.111 ng
RT: 17.009 min Scan# 21
Delta R.T. 0.012 min
Lab File: BF141904.D
Acq: 10 Mar 2025 14:27

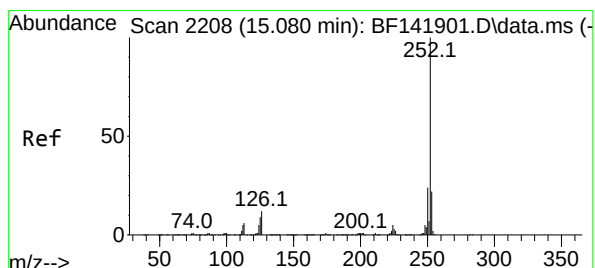
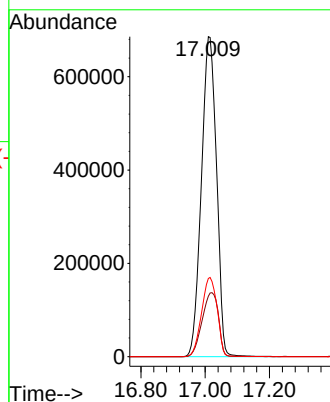
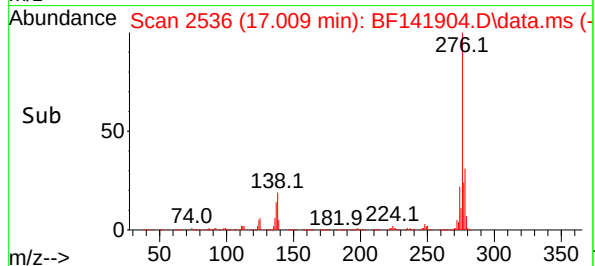
Instrument :
BNA_F
ClientSampleId :
SSTDICC080



Tgt Ion:276 Resp: 223858
Ion Ratio Lower Upper
276 100
138 21.6 18.4 27.6
277 25.5 20.3 30.5

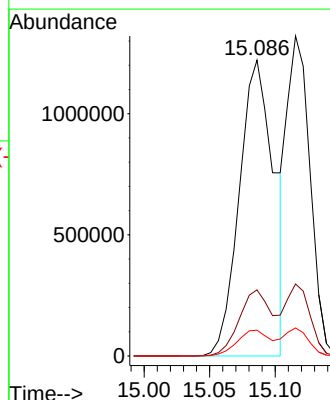
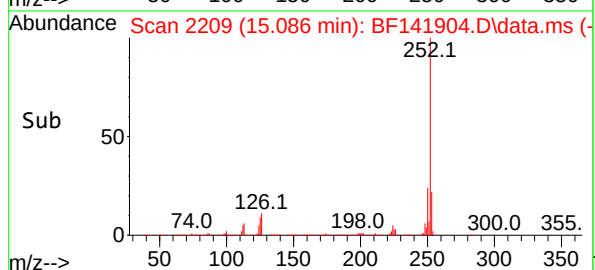
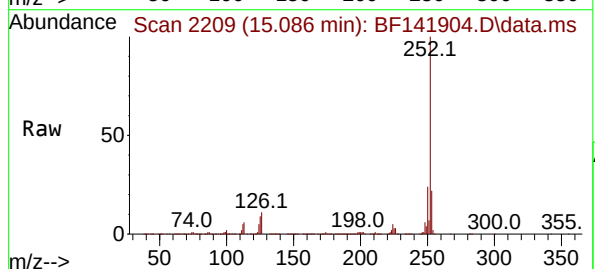
Manual Integrations
APPROVED

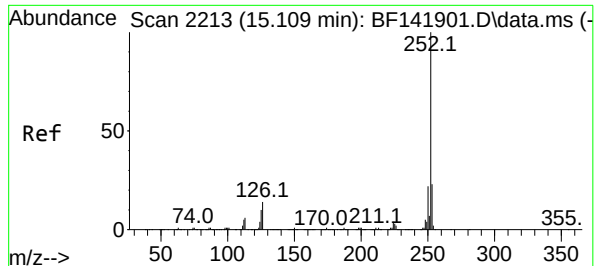
Reviewed By :Anahy Claudio 03/11/2025
Supervised By :Jagrut Upadhyay 03/11/2025



#88
Benzo(b)fluoranthene
Concen: 84.536 ng
RT: 15.086 min Scan# 2209
Delta R.T. 0.006 min
Lab File: BF141904.D
Acq: 10 Mar 2025 14:27

Tgt Ion:252 Resp: 2246428
Ion Ratio Lower Upper
252 100
253 22.3 17.5 26.3
125 8.7 7.0 10.4





#89

Benzo(k)fluoranthene

Concen: 70.292 ng

RT: 15.116 min Scan# 2214

Delta R.T. 0.006 min

Lab File: BF141904.D

Acq: 10 Mar 2025 14:27

Instrument :

BNA_F

ClientSampleId :

SSTDICC080

Tgt Ion:252 Resp: 1631679

Ion Ratio Lower Upper

252 100

253 22.5 17.7 26.5

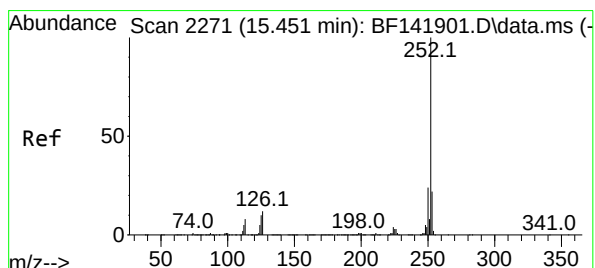
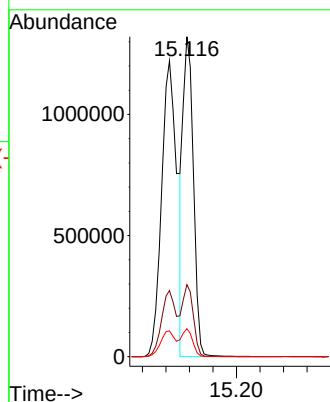
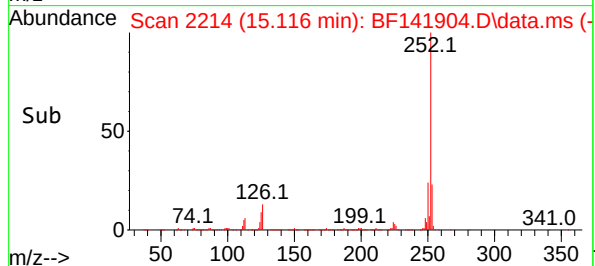
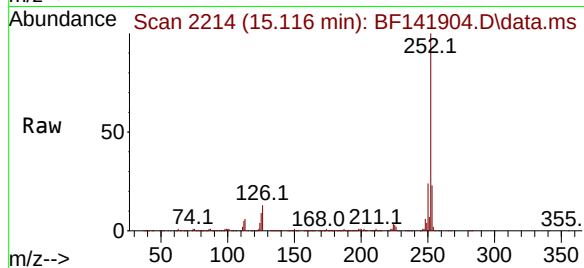
125 8.8 7.2 10.8

Manual Integrations

APPROVED

Reviewed By :Anahy Claudio 03/11/2025

Supervised By :Jagrut Upadhyay 03/11/2025



#90

Benzo(a)pyrene

Concen: 82.339 ng

RT: 15.457 min Scan# 2272

Delta R.T. 0.006 min

Lab File: BF141904.D

Acq: 10 Mar 2025 14:27

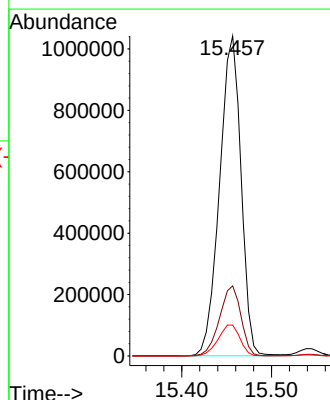
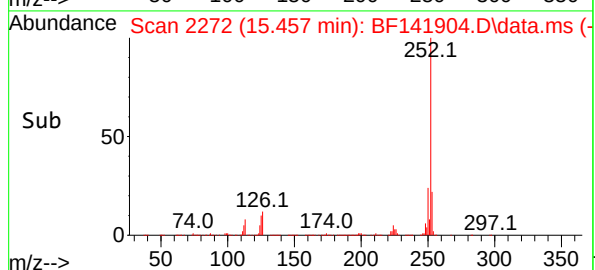
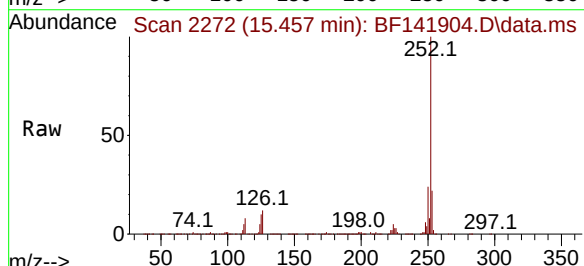
Tgt Ion:252 Resp: 1725632

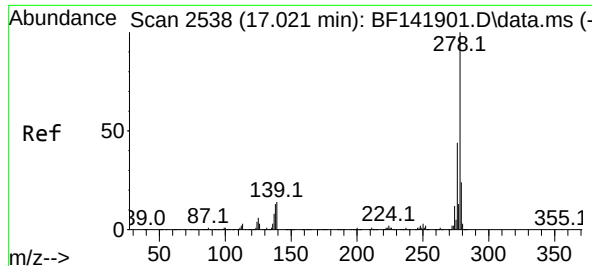
Ion Ratio Lower Upper

252 100

253 21.9 17.4 26.0

125 9.7 7.8 11.8





#91

Dibenzo(a,h)anthracene

Concen: 88.098 ng

RT: 17.033 min Scan# 21

Delta R.T. 0.012 min

Lab File: BF141904.D

Acq: 10 Mar 2025 14:27

Instrument :

BNA_F

ClientSampleId :

SSTDICC080

Tgt Ion:278 Resp: 1846778

Ion Ratio Lower Upper

278 100

139 14.1 11.4 17.2

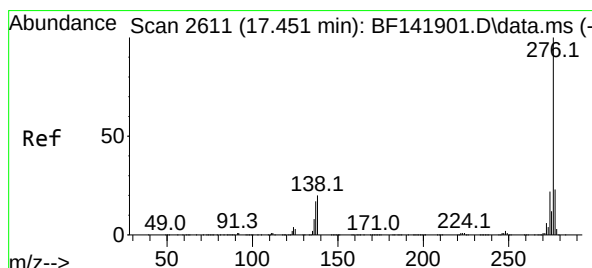
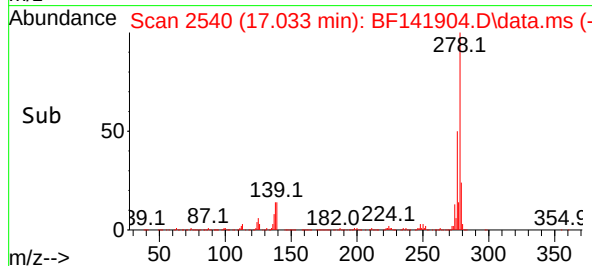
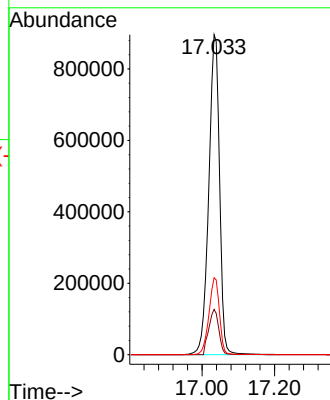
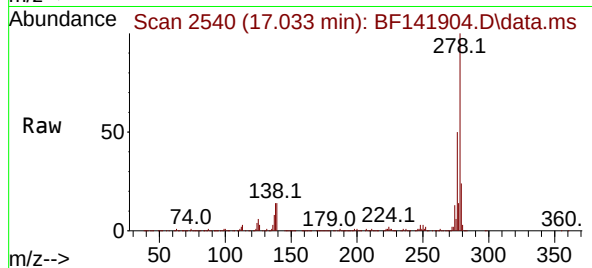
279 24.1 18.8 28.2

Manual Integrations

APPROVED

Reviewed By :Anahy Claudio 03/11/2025

Supervised By :Jagrut Upadhyay 03/11/2025



#92

Benzo(g,h,i)perylene

Concen: 87.950 ng

RT: 17.468 min Scan# 2614

Delta R.T. 0.018 min

Lab File: BF141904.D

Acq: 10 Mar 2025 14:27

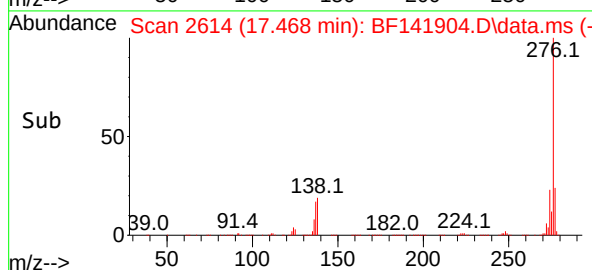
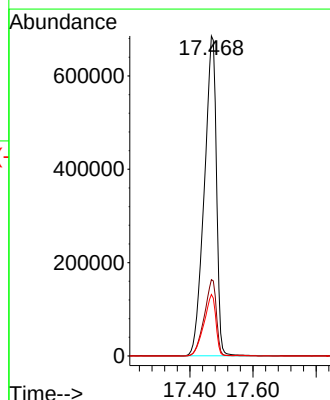
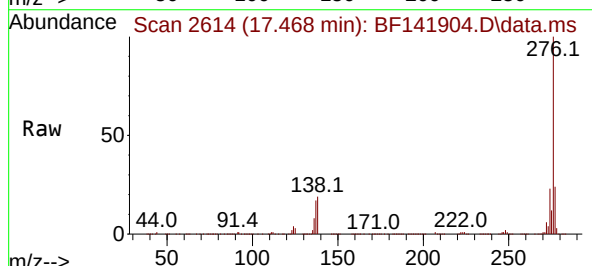
Tgt Ion:276 Resp: 1828662

Ion Ratio Lower Upper

276 100

277 23.8 18.7 28.1

138 19.2 15.8 23.8



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF031025\
 Data File : BF141905.D
 Acq On : 10 Mar 2025 15:20
 Operator : RC/JU
 Sample : SSTDICC050
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SSTDICC050

Quant Time: Mar 10 15:39:09 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF031025.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Mar 10 15:01:52 2025
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.881	152	215017	20.000	ng	0.00
21) Naphthalene-d8	8.163	136	877329	20.000	ng	0.00
39) Acenaphthene-d10	9.922	164	481971	20.000	ng	0.00
64) Phenanthrene-d10	11.404	188	811142	20.000	ng	0.00
76) Chrysene-d12	14.045	240	491943	20.000	ng	0.00
86) Perylene-d12	15.509	264	413564	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.492	112	1249601	96.967	ng	0.00
7) Phenol-d6	6.504	99	1594608	97.156	ng	0.00
23) Nitrobenzene-d5	7.445	82	1507471	96.304	ng	0.00
42) 2,4,6-Tribromophenol	10.710	330	625035	102.342	ng	0.00
45) 2-Fluorobiphenyl	9.239	172	3064989	96.836	ng	0.00
79) Terphenyl-d14	12.992	244	3394803	102.007	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	2.675	88	266045	49.258	ng	99
3) Pyridine	3.434	79	646627	48.716	ng	99
4) n-Nitrosodimethylamine	3.398	42	320008	50.718	ng	99
6) Aniline	6.545	93	775854	47.884	ng	99
8) 2-Chlorophenol	6.669	128	696154	48.738	ng	100
9) Benzaldehyde	6.434	77	418049	45.569	ng	99
10) Phenol	6.522	94	829086	47.876	ng	96
11) bis(2-Chloroethyl)ether	6.616	93	631516	48.672	ng	100
12) 1,3-Dichlorobenzene	6.822	146	753352	48.807	ng	99
13) 1,4-Dichlorobenzene	6.898	146	756875	48.465	ng	100
14) 1,2-Dichlorobenzene	7.051	146	706635	48.049	ng	100
15) Benzyl Alcohol	7.022	79	652454	49.113	ng	99
16) 2,2'-oxybis(1-Chloropr...	7.157	45	745710	47.687	ng	100
17) 2-Methylphenol	7.128	107	557981	49.153	ng	99
18) Hexachloroethane	7.392	117	290127	49.551	ng	99
19) n-Nitroso-di-n-propyla...	7.298	70	505166	47.887	ng	99
20) 3+4-Methylphenols	7.286	107	704563	48.388	ng	# 86
22) Acetophenone	7.292	105	987577	46.924	ng	97
24) Nitrobenzene	7.463	77	752936	48.514	ng	99
25) Isophorone	7.704	82	1327254	48.027	ng	99
26) 2-Nitrophenol	7.781	139	392772	51.644	ng	100
27) 2,4-Dimethylphenol	7.810	122	510395	48.725	ng	99
28) bis(2-Chloroethoxy)met...	7.910	93	826776	47.757	ng	100
29) 2,4-Dichlorophenol	8.016	162	647319	49.793	ng	100
30) 1,2,4-Trichlorobenzene	8.104	180	697274	48.617	ng	99
31) Naphthalene	8.186	128	2196111	48.863	ng	100
32) Benzoic acid	7.939	122	500593	54.676	ng	100
33) 4-Chloroaniline	8.233	127	775699	48.909	ng	99
34) Hexachlorobutadiene	8.304	225	469787	50.376	ng	99
35) Caprolactam	8.616	113	193267	48.891	ng	95
36) 4-Chloro-3-methylphenol	8.710	107	721800	49.925	ng	100
37) 2-Methylnaphthalene	8.875	142	1436485	47.638	ng	100
38) 1-Methylnaphthalene	8.975	142	1357356	46.482	ng	100
40) 1,2,4,5-Tetrachloroben...	9.039	216	719431	48.955	ng	99
41) Hexachlorocyclopentadiene	9.027	237	284968	49.142	ng	99
43) 2,4,6-Trichlorophenol	9.151	196	481782	50.291	ng	99

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF031025\
 Data File : BF141905.D
 Acq On : 10 Mar 2025 15:20
 Operator : RC/JU
 Sample : SSTDICC050
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SSTDICC050

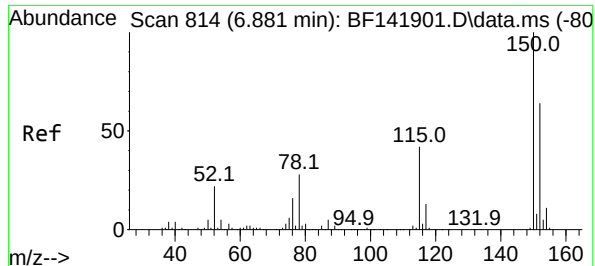
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 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Mar 10 15:01:52 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.186	196	482570	49.580	ng	99
46) 1,1'-Biphenyl	9.339	154	1809746	49.526	ng	99
47) 2-Chloronaphthalene	9.369	162	1360528	49.960	ng	99
48) 2-Nitroaniline	9.457	65	429111	54.854	ng	97
49) Acenaphthylene	9.780	152	2005538	49.674	ng	100
50) Dimethylphthalate	9.645	163	1716995	51.273	ng	100
51) 2,6-Dinitrotoluene	9.704	165	370368	53.184	ng	96
52) Acenaphthene	9.957	154	1377901	48.333	ng	98
53) 3-Nitroaniline	9.874	138	340633	47.638	ng	100
54) 2,4-Dinitrophenol	9.975	184	184410	49.104	ng #	58
55) Dibenzofuran	10.127	168	1936780	47.647	ng	99
56) 4-Nitrophenol	10.022	139	276487	51.474	ng	99
57) 2,4-Dinitrotoluene	10.104	165	461276	50.321	ng	97
58) Fluorene	10.469	166	1497123	47.708	ng	99
59) 2,3,4,6-Tetrachlorophenol	10.239	232	438025	49.600	ng	100
60) Diethylphthalate	10.339	149	1635073	48.639	ng	100
61) 4-Chlorophenyl-phenyle...	10.457	204	799744	48.929	ng	99
62) 4-Nitroaniline	10.486	138	346378	49.990	ng	99
63) Azobenzene	10.622	77	1519356	48.653	ng	98
65) 4,6-Dinitro-2-methylph...	10.516	198	262910	54.673	ng	99
66) n-Nitrosodiphenylamine	10.580	169	1293745	49.373	ng	100
67) 4-Bromophenyl-phenylether	10.951	248	532762	52.740	ng	97
68) Hexachlorobenzene	11.016	284	573467	51.359	ng	97
69) Atrazine	11.104	200	418147	65.441	ng	99
70) Pentachlorophenol	11.204	266	365292	53.050	ng	99
71) Phenanthrene	11.433	178	2080633	47.434	ng	100
72) Anthracene	11.480	178	2081490	47.299	ng	99
73) Carbazole	11.633	167	1831424	48.338	ng	99
74) Di-n-butylphthalate	11.963	149	2510447	50.185	ng	99
75) Fluoranthene	12.616	202	2328357	50.564	ng	99
77) Benzidine	12.733	184	270893	38.966	ng	99
78) Pyrene	12.845	202	2308671	54.723	ng	100
80) Butylbenzylphthalate	13.463	149	864849	52.022	ng	99
81) Benzo(a)anthracene	14.033	228	1592035	49.192	ng	100
82) 3,3'-Dichlorobenzidine	13.992	252	449408	48.044	ng	99
83) Chrysene	14.068	228	1465389	50.404	ng	100
84) Bis(2-ethylhexyl)phtha...	14.021	149	1203021	52.747	ng	99
85) Di-n-octyl phthalate	14.633	149	1692206	53.307	ng	100
87) Indeno(1,2,3-cd)pyrene	17.003	276	1366974	50.969	ng	99
88) Benzo(b)fluoranthene	15.080	252	1392083	49.625	ng	99
89) Benzo(k)fluoranthene	15.109	252	1167351	47.638	ng	100
90) Benzo(a)pyrene	15.451	252	1119256	50.591	ng	99
91) Dibenzo(a,h)anthracene	17.021	278	1131875	51.149	ng	99
92) Benzo(g,h,i)perylene	17.456	276	1099760	50.106	ng	99

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

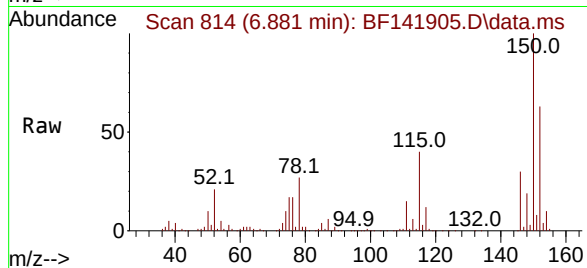
Instrument :
BNA_F
ClientSampleId :
SSTDICC050

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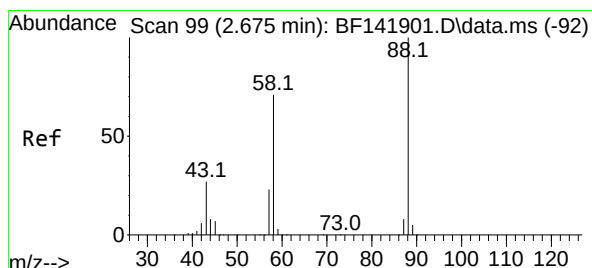
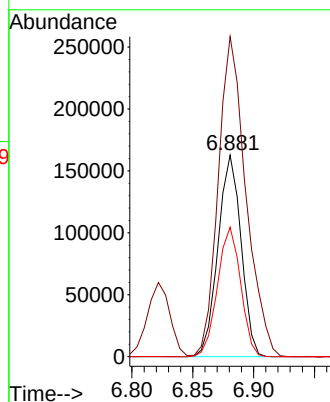
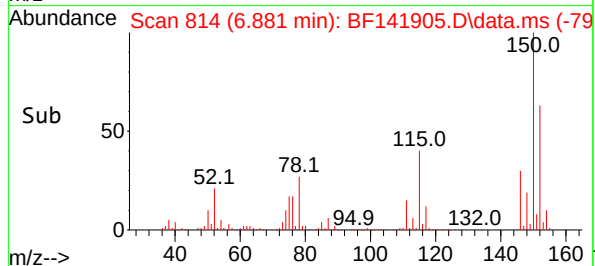


#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.881 min Scan# 814
Delta R.T. -0.000 min
Lab File: BF141905.D
Acq: 10 Mar 2025 15:20

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

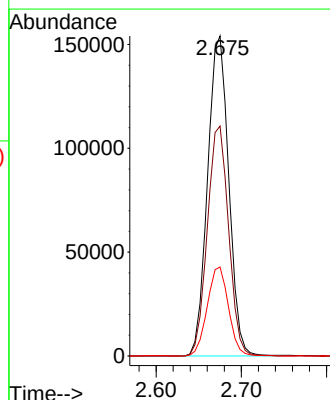
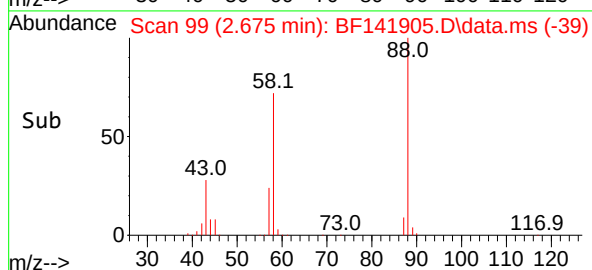
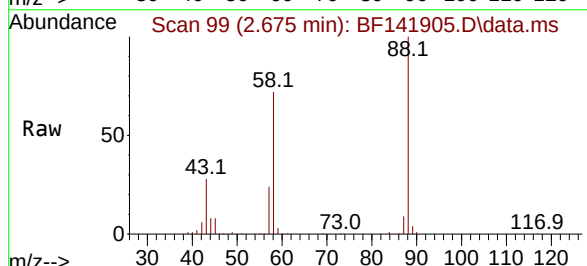


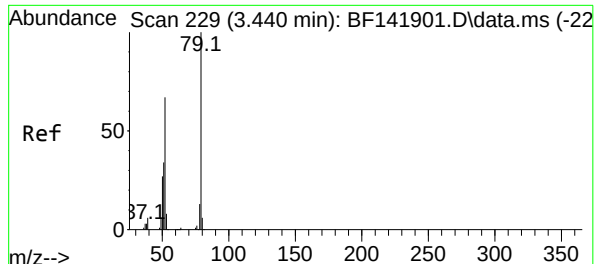
Tgt Ion:152 Resp: 215017
Ion Ratio Lower Upper
152 100
150 158.8 127.4 191.2
115 64.3 51.9 77.9



#2
1,4-Dioxane
Concen: 49.258 ng
RT: 2.675 min Scan# 99
Delta R.T. -0.000 min
Lab File: BF141905.D
Acq: 10 Mar 2025 15:20

Tgt Ion: 88 Resp: 266045
Ion Ratio Lower Upper
88 100
58 72.1 57.4 86.2
43 27.9 21.5 32.3





#3

Pyridine

Concen: 48.716 ng

RT: 3.434 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF141905.D

Acq: 10 Mar 2025 15:20

Instrument :

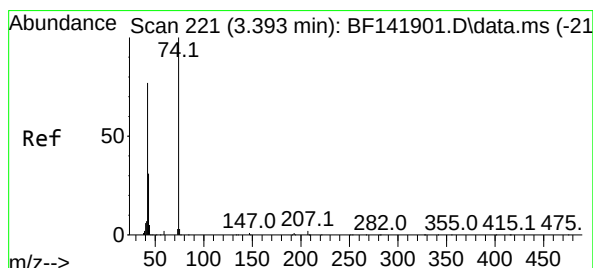
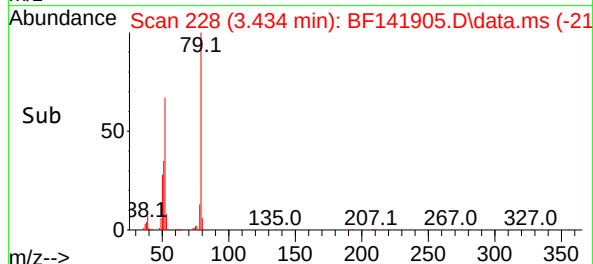
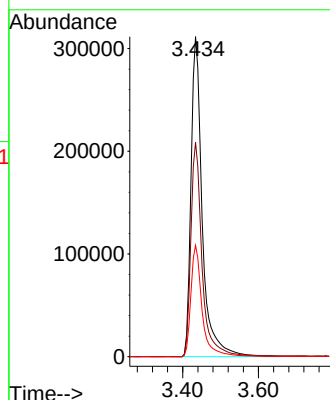
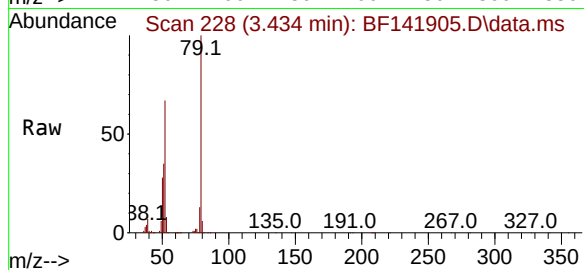
BNA_F

ClientSampleId :

SSTDICC050

Tgt Ion: 79 Resp: 646627

Ion	Ratio	Lower	Upper
79	100		
52	67.0	53.3	79.9
51	34.8	27.6	41.4



#4

n-Nitrosodimethylamine

Concen: 50.718 ng

RT: 3.398 min Scan# 222

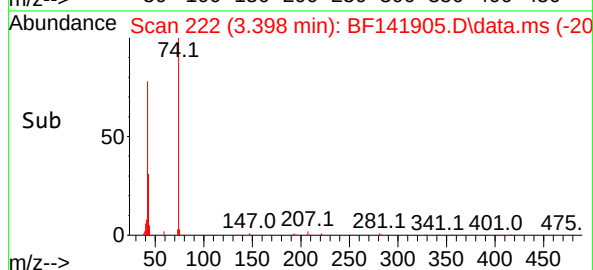
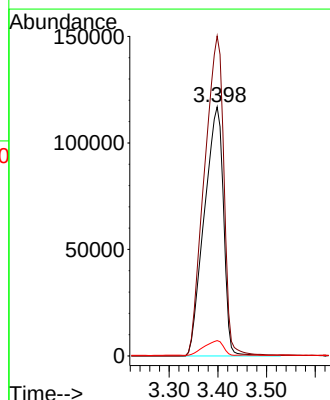
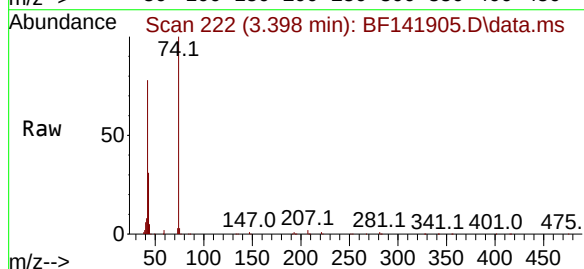
Delta R.T. 0.006 min

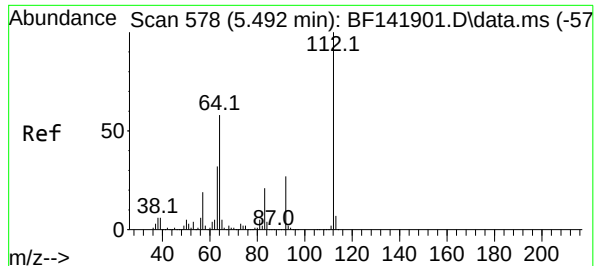
Lab File: BF141905.D

Acq: 10 Mar 2025 15:20

Tgt Ion: 42 Resp: 320008

Ion	Ratio	Lower	Upper
42	100		
74	128.4	103.4	155.0
44	6.2	5.0	7.4

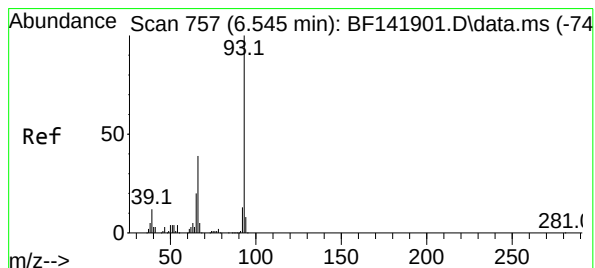
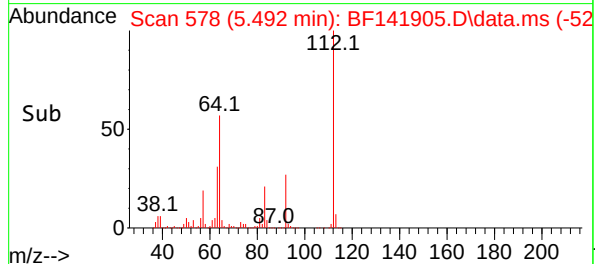
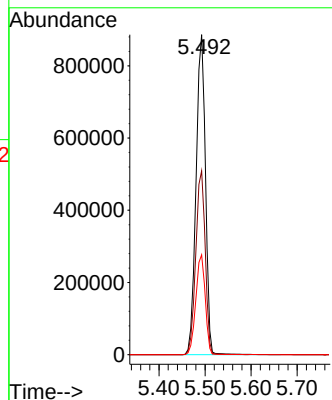
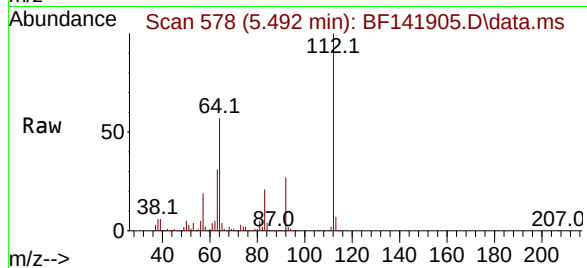




#5
2-Fluorophenol
Concen: 96.967 ng
RT: 5.492 min Scan# 51
Delta R.T. -0.000 min
Lab File: BF141905.D
Acq: 10 Mar 2025 15:20

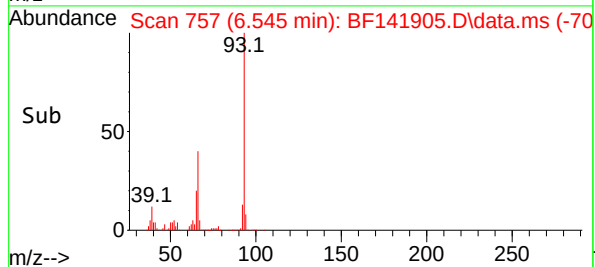
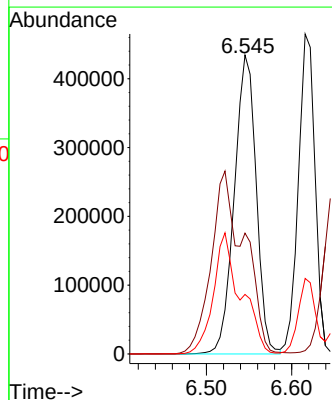
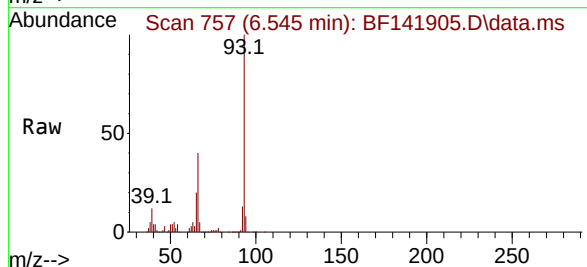
Instrument :
BNA_F
ClientSampleId :
SSTDICC050

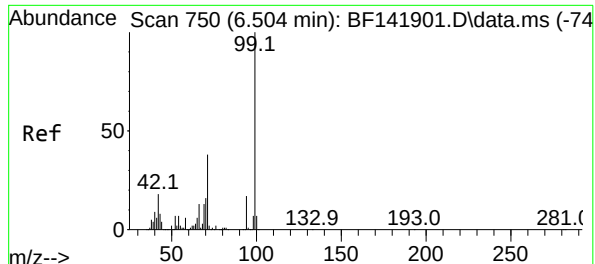
Tgt Ion:112 Resp: 1249601
Ion Ratio Lower Upper
112 100
64 57.5 46.5 69.7
63 31.2 25.4 38.2



#6
Aniline
Concen: 47.884 ng
RT: 6.545 min Scan# 757
Delta R.T. -0.000 min
Lab File: BF141905.D
Acq: 10 Mar 2025 15:20

Tgt Ion: 93 Resp: 775854
Ion Ratio Lower Upper
93 100
66 40.4 31.9 47.9
65 19.9 15.8 23.6

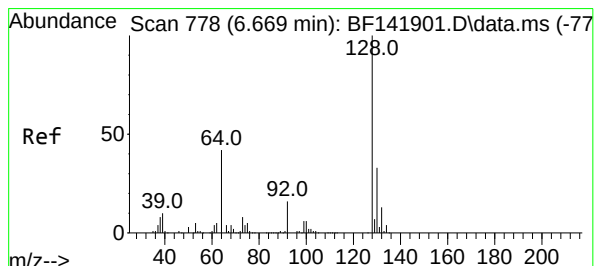
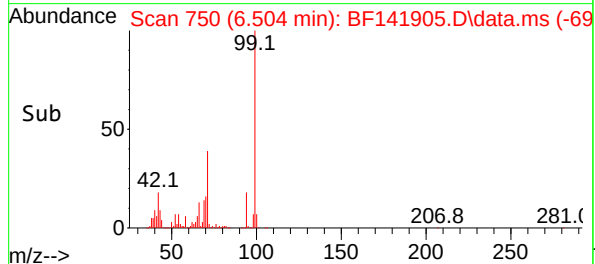
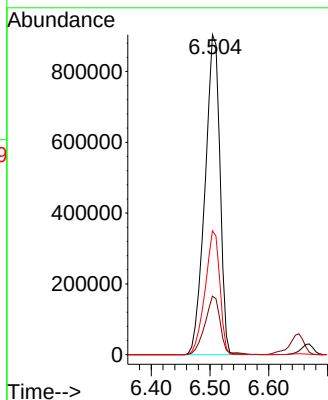
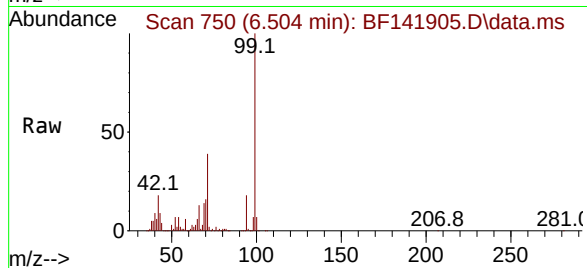




#7
Phenol-d6
Concen: 97.156 ng
RT: 6.504 min Scan# 750
Delta R.T. -0.000 min
Lab File: BF141905.D
Acq: 10 Mar 2025 15:20

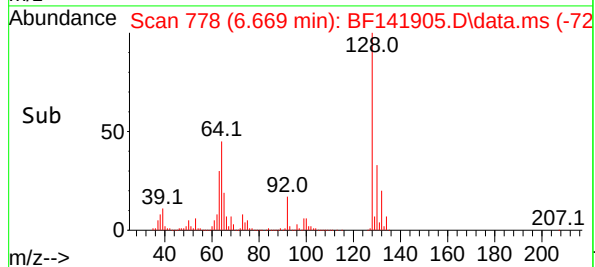
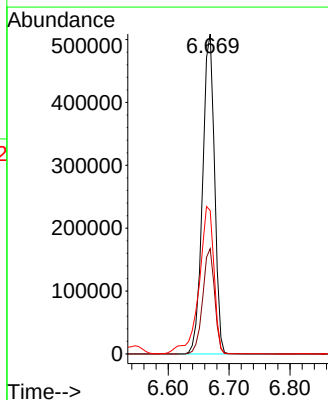
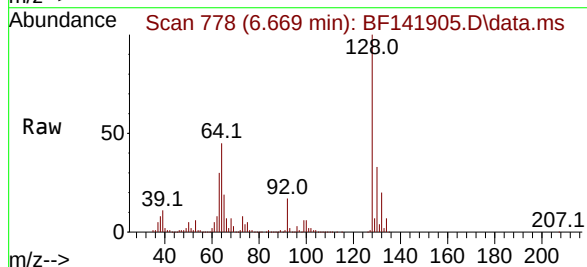
Instrument :
BNA_F
ClientSampleId :
SSTDICC050

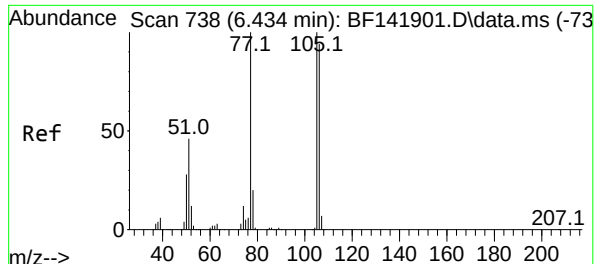
Tgt Ion: 99 Resp: 1594608
Ion Ratio Lower Upper
99 100
42 18.3 14.6 21.8
71 38.7 30.8 46.2



#8
2-Chlorophenol
Concen: 48.738 ng
RT: 6.669 min Scan# 778
Delta R.T. -0.000 min
Lab File: BF141905.D
Acq: 10 Mar 2025 15:20

Tgt Ion: 128 Resp: 696154
Ion Ratio Lower Upper
128 100
130 32.9 12.8 52.8
64 44.8 24.4 64.4





#9

Benzaldehyde

Concen: 45.569 ng

RT: 6.434 min Scan# 738

Delta R.T. -0.000 min

Lab File: BF141905.D

Acq: 10 Mar 2025 15:20

Instrument :

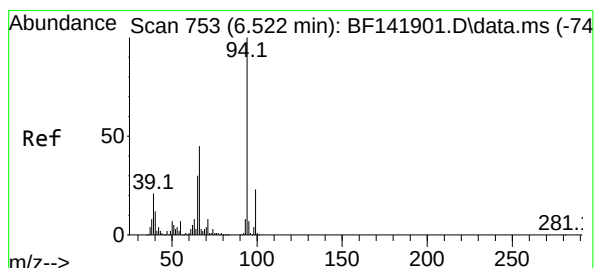
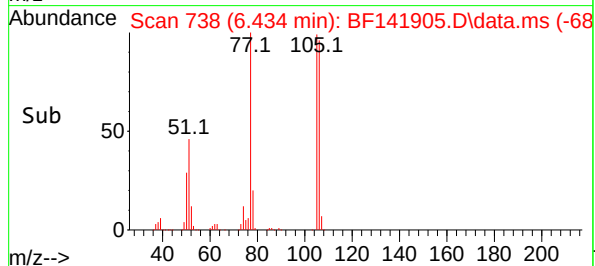
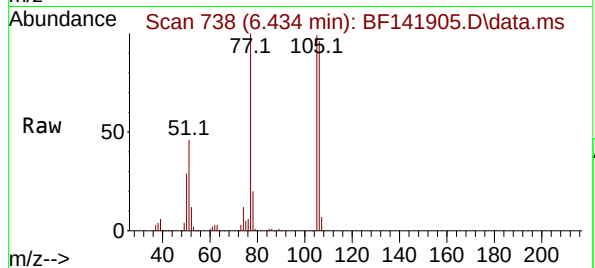
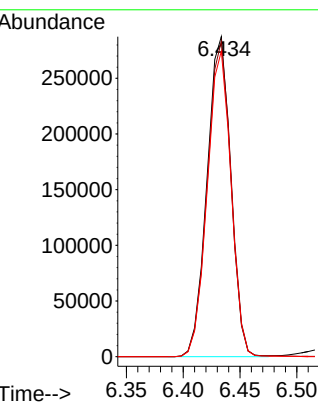
BNA_F

ClientSampleId :

SSTDICC050

Tgt Ion: 77 Resp: 418049

Ion	Ratio	Lower	Upper
77	100		
105	98.6	80.0	120.0
106	95.5	74.5	114.5



#10

Phenol

Concen: 47.876 ng

RT: 6.522 min Scan# 753

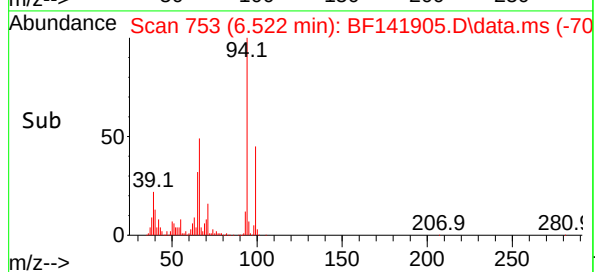
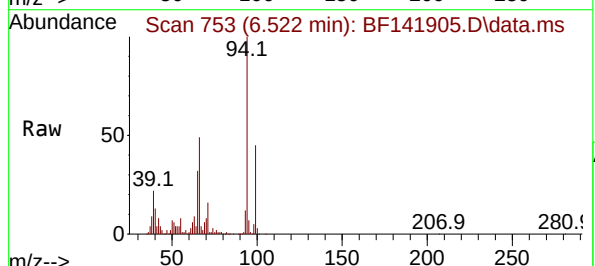
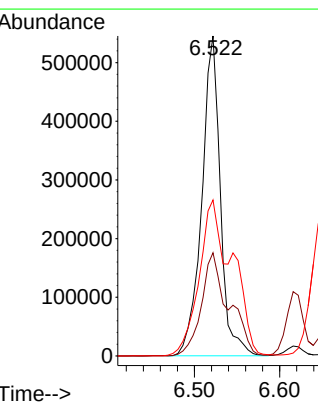
Delta R.T. 0.000 min

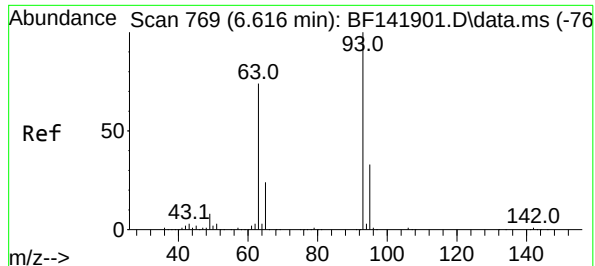
Lab File: BF141905.D

Acq: 10 Mar 2025 15:20

Tgt Ion: 94 Resp: 829086

Ion	Ratio	Lower	Upper
94	100		
65	32.3	10.5	50.5
66	48.7	25.8	65.8





#11

bis(2-Chloroethyl)ether

Concen: 48.672 ng

RT: 6.616 min Scan# 769

Delta R.T. -0.000 min

Lab File: BF141905.D

Acq: 10 Mar 2025 15:20

Instrument :

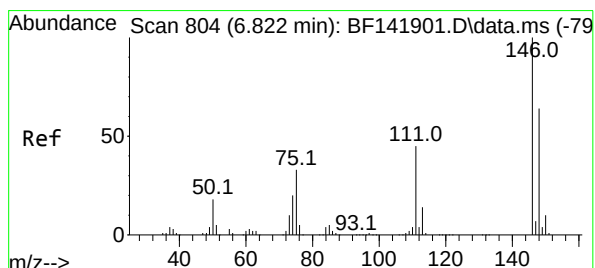
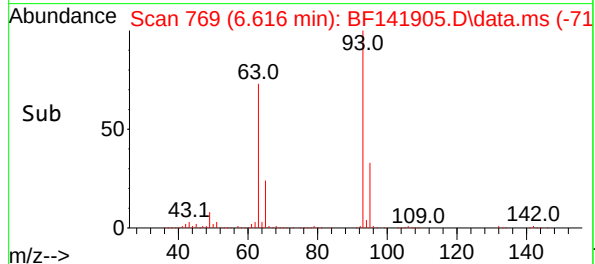
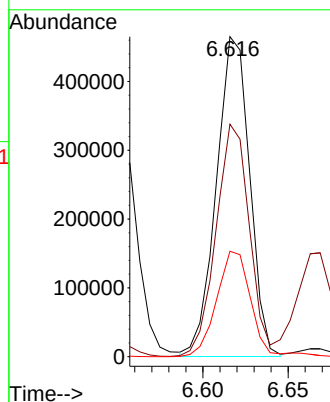
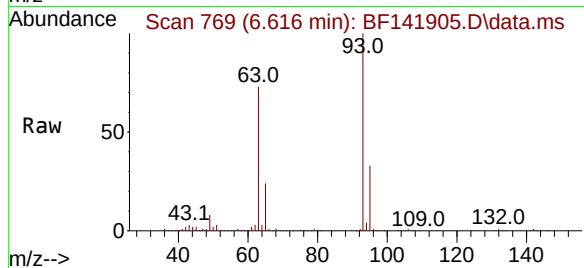
BNA_F

ClientSampleId :

SSTDICC050

Tgt Ion: 93 Resp: 631516

Ion	Ratio	Lower	Upper
93	100		
63	72.7	53.0	93.0
95	33.0	12.9	52.9



#12

1,3-Dichlorobenzene

Concen: 48.807 ng

RT: 6.822 min Scan# 804

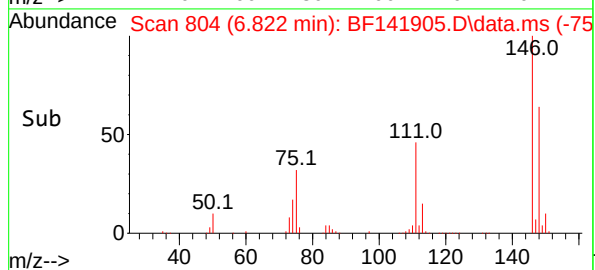
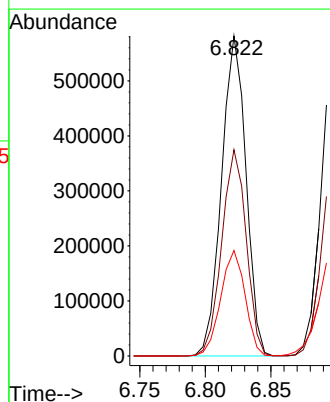
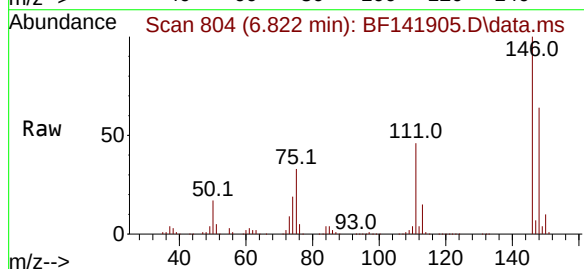
Delta R.T. -0.000 min

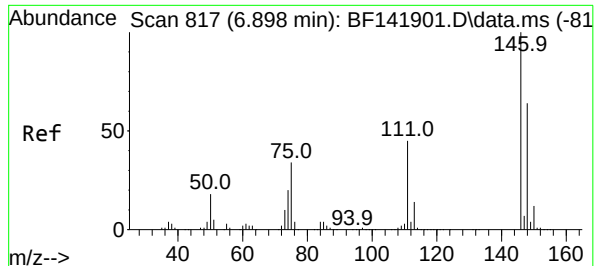
Lab File: BF141905.D

Acq: 10 Mar 2025 15:20

Tgt Ion: 146 Resp: 753352

Ion	Ratio	Lower	Upper
146	100		
148	64.5	51.3	76.9
75	32.9	26.6	40.0

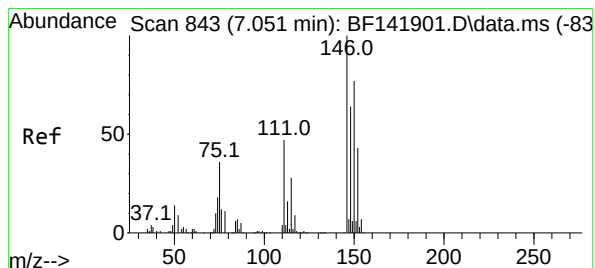
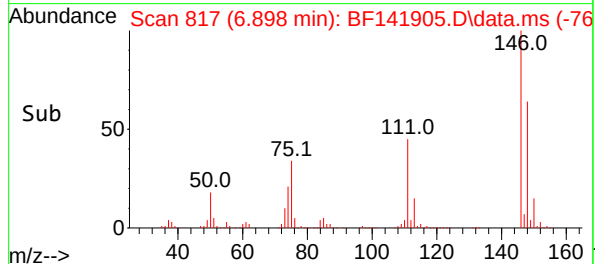
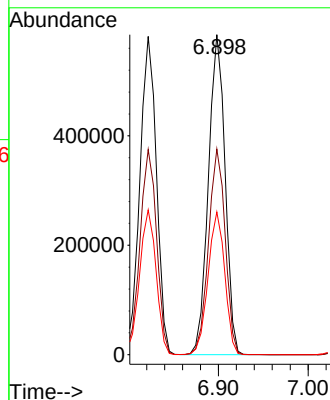
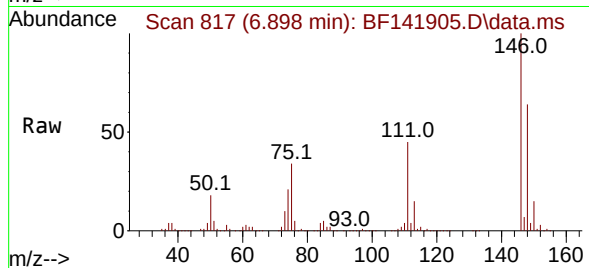




#13
 1,4-Dichlorobenzene
 Concen: 48.465 ng
 RT: 6.898 min Scan# 817
 Delta R.T. -0.000 min
 Lab File: BF141905.D
 Acq: 10 Mar 2025 15:20

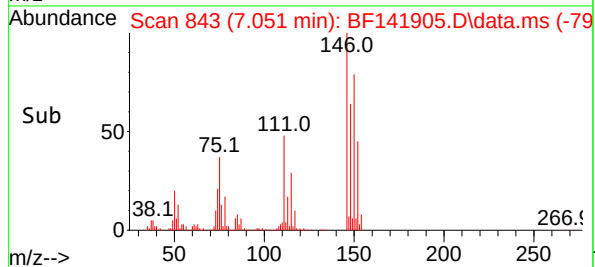
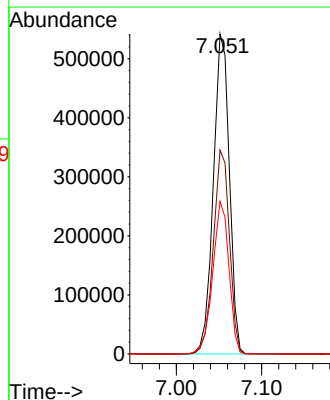
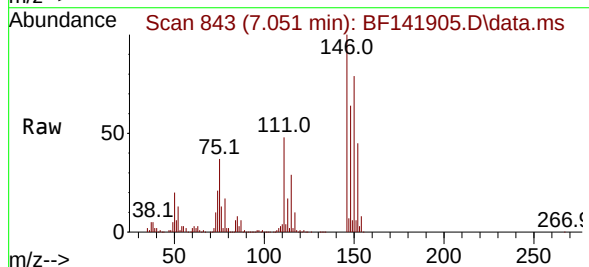
Instrument :
 BNA_F
 ClientSampleId :
 SSTDICC050

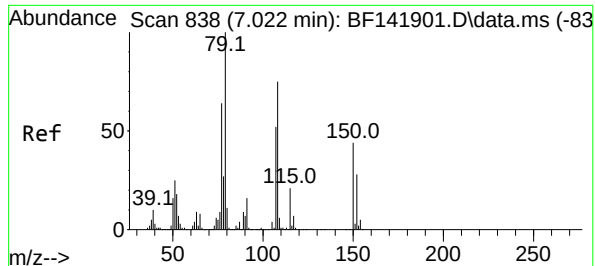
Tgt Ion:146 Resp: 756875
 Ion Ratio Lower Upper
 146 100
 148 64.2 51.0 76.6
 111 44.6 35.7 53.5



#14
 1,2-Dichlorobenzene
 Concen: 48.049 ng
 RT: 7.051 min Scan# 843
 Delta R.T. -0.000 min
 Lab File: BF141905.D
 Acq: 10 Mar 2025 15:20

Tgt Ion:146 Resp: 706635
 Ion Ratio Lower Upper
 146 100
 148 63.7 50.8 76.2
 111 47.6 38.0 57.0





#15

Benzyl Alcohol

Concen: 49.113 ng

RT: 7.022 min Scan# 838

Delta R.T. 0.000 min

Lab File: BF141905.D

Acq: 10 Mar 2025 15:20

Instrument :

BNA_F

ClientSampleId :

SSTDICC050

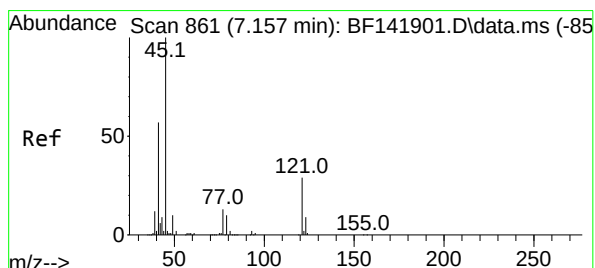
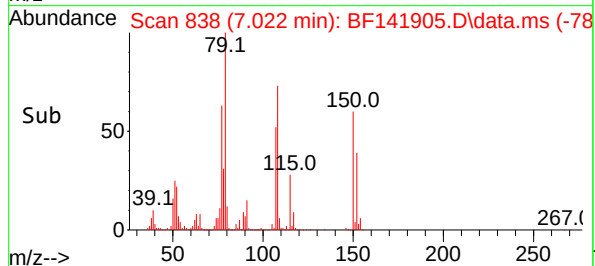
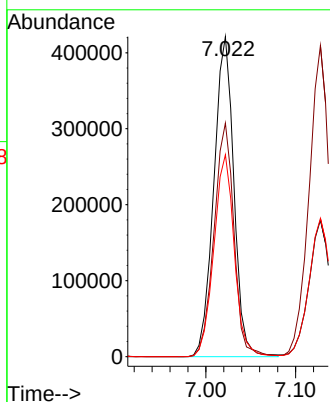
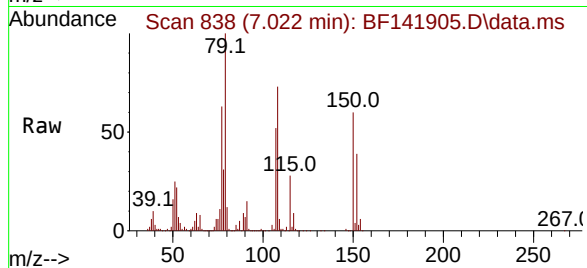
Tgt Ion: 79 Resp: 652454

Ion Ratio Lower Upper

79 100

108 73.0 59.7 89.5

77 63.1 51.0 76.6



#16

2,2'-oxybis(1-Chloropropane)

Concen: 47.687 ng

RT: 7.157 min Scan# 861

Delta R.T. -0.000 min

Lab File: BF141905.D

Acq: 10 Mar 2025 15:20

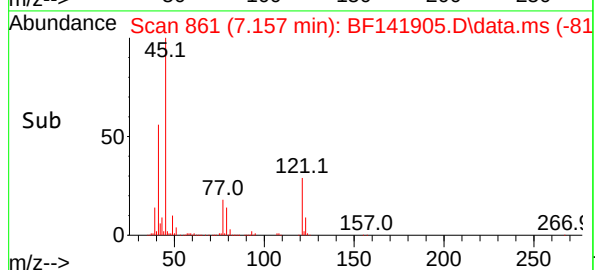
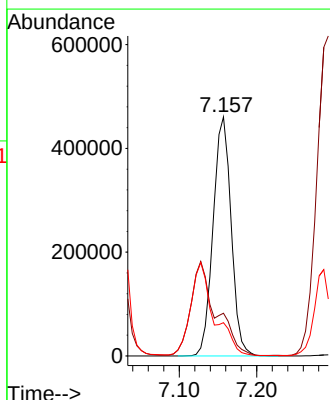
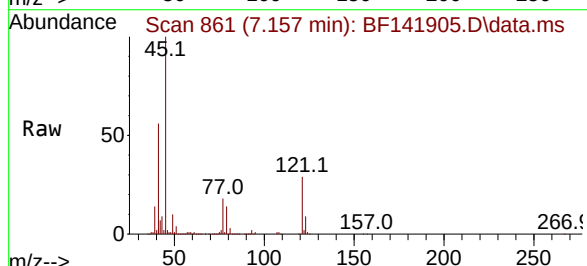
Tgt Ion: 45 Resp: 745710

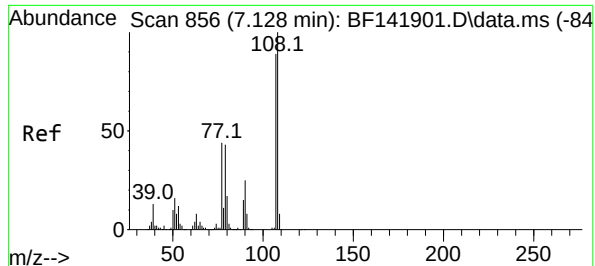
Ion Ratio Lower Upper

45 100

77 17.9 0.0 37.8

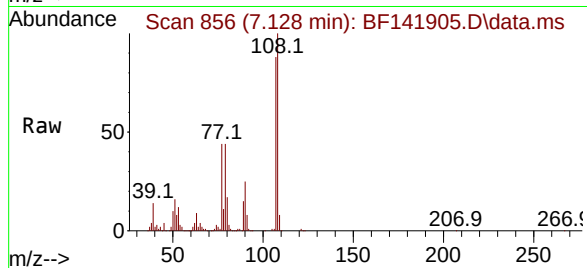
79 14.0 0.0 34.2



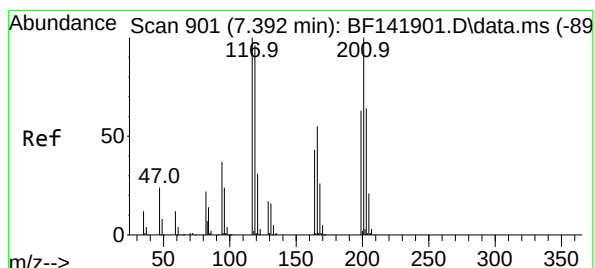
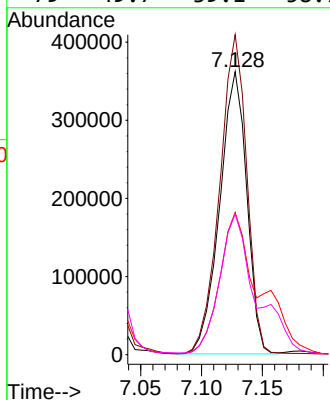
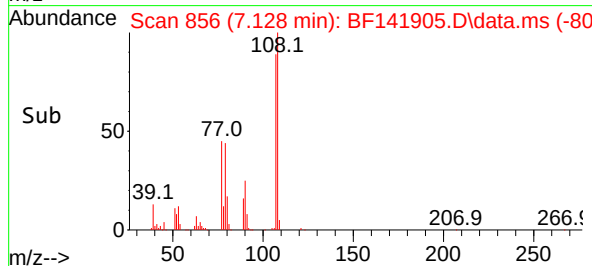


#17
2-Methylphenol
Concen: 49.153 ng
RT: 7.128 min Scan# 856
Delta R.T. -0.000 min
Lab File: BF141905.D
Acq: 10 Mar 2025 15:20

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

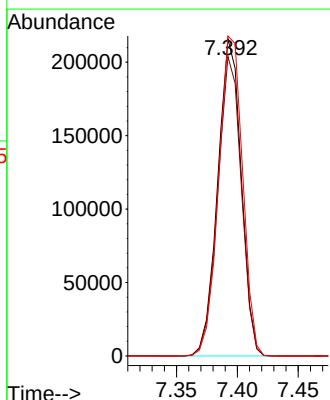
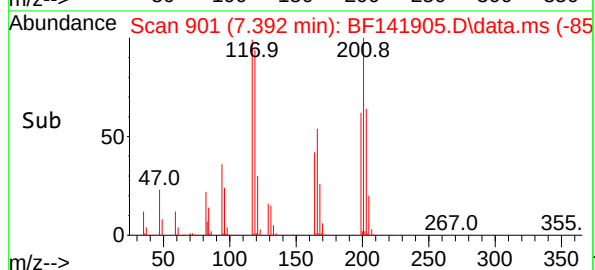
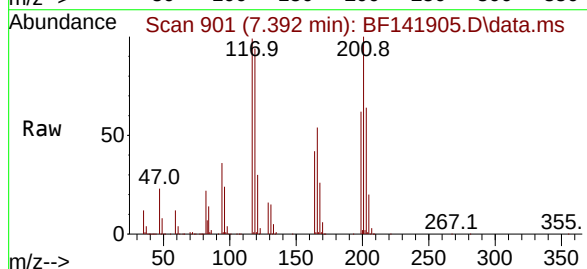


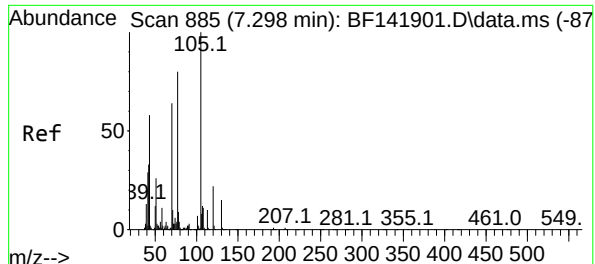
Tgt Ion	Ratio	Lower	Upper
107	100		
108	113.1	90.2	135.2
77	50.3	39.6	59.4
79	49.7	39.1	58.7



#18
Hexachloroethane
Concen: 49.551 ng
RT: 7.392 min Scan# 901
Delta R.T. -0.000 min
Lab File: BF141905.D
Acq: 10 Mar 2025 15:20

Tgt Ion	Ratio	Lower	Upper
117	100		
119	94.5	76.9	115.3
201	100.9	79.9	119.9





#19

n-Nitroso-di-n-propylamine

Concen: 47.887 ng

RT: 7.298 min Scan# 885

Delta R.T. -0.000 min

Lab File: BF141905.D

Acq: 10 Mar 2025 15:20

Instrument :

BNA_F

ClientSampleId :

SSTDICC050

Tgt Ion: 70 Resp: 505166

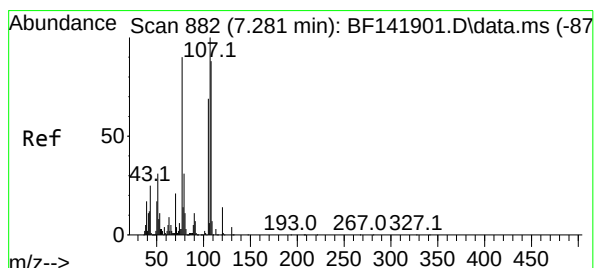
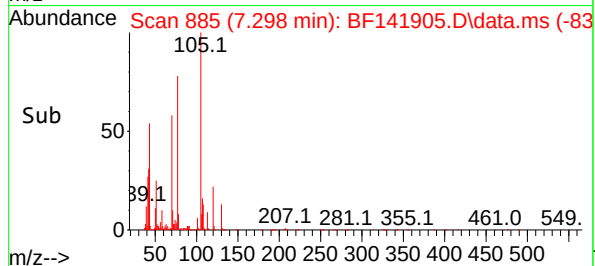
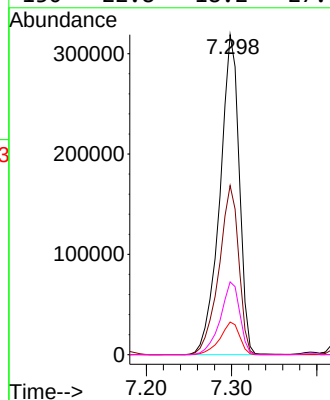
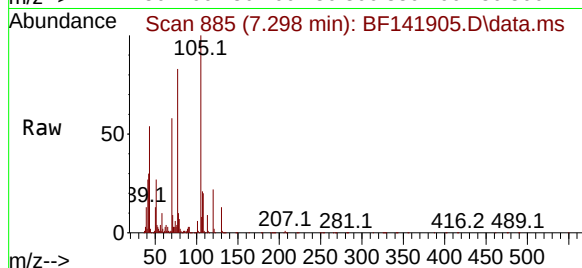
Ion Ratio Lower Upper

70 100

42 52.8 41.4 62.0

101 10.2 8.2 12.2

130 22.8 18.2 27.4



#20

3+4-Methylphenols

Concen: 48.388 ng

RT: 7.286 min Scan# 883

Delta R.T. 0.006 min

Lab File: BF141905.D

Acq: 10 Mar 2025 15:20

Tgt Ion:107 Resp: 704563

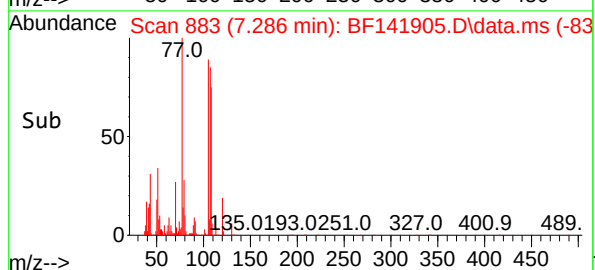
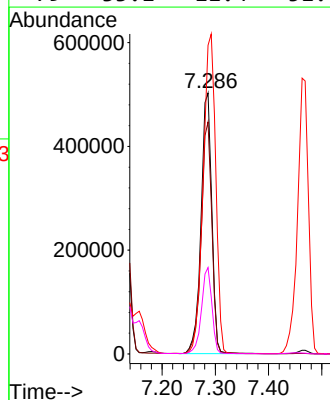
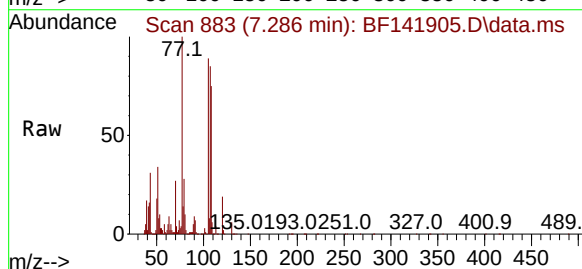
Ion Ratio Lower Upper

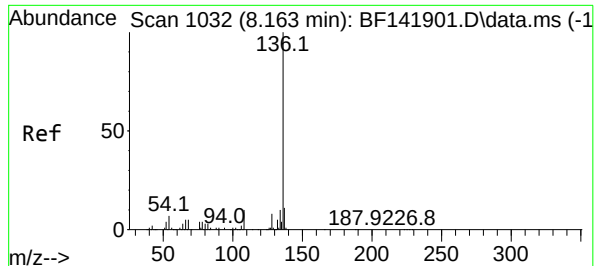
107 100

108 88.9 68.4 108.4

77 118.3 69.7 109.7#

79 33.1 11.4 51.4

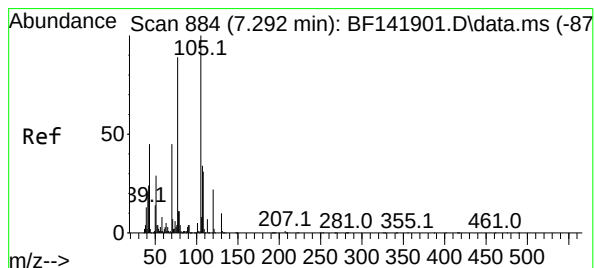
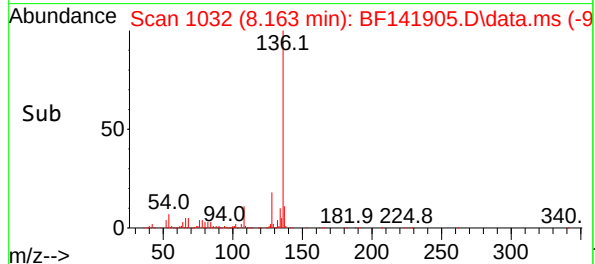
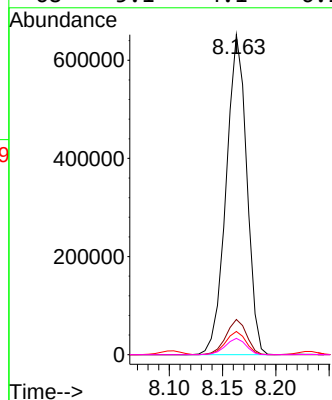
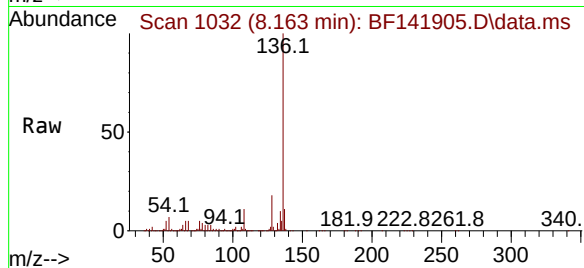




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.163 min Scan# 1032
Delta R.T. -0.000 min
Lab File: BF141905.D
Acq: 10 Mar 2025 15:20

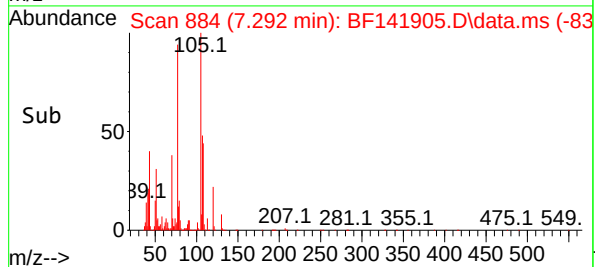
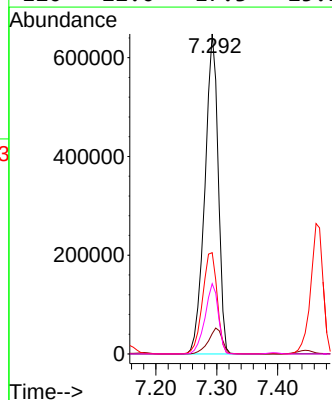
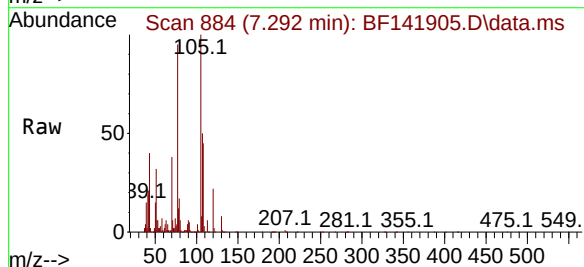
Instrument :
BNA_F
ClientSampleId :
SSTDICC050

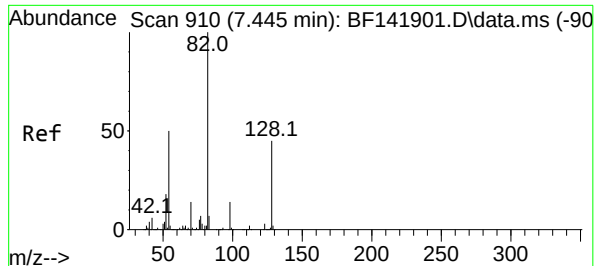
Tgt Ion:136 Resp: 877329
Ion Ratio Lower Upper
136 100
137 11.0 8.8 13.2
54 7.2 5.8 8.8
68 5.1 4.1 6.1



#22
Acetophenone
Concen: 46.924 ng
RT: 7.292 min Scan# 884
Delta R.T. -0.000 min
Lab File: BF141905.D
Acq: 10 Mar 2025 15:20

Tgt Ion:105 Resp: 987577
Ion Ratio Lower Upper
105 100
71 6.3 5.8 8.8
51 31.7 23.4 35.0
120 22.0 17.3 25.9





#23

Nitrobenzene-d5

Concen: 96.304 ng

RT: 7.445 min Scan# 910

Delta R.T. -0.000 min

Lab File: BF141905.D

Acq: 10 Mar 2025 15:20

Instrument :

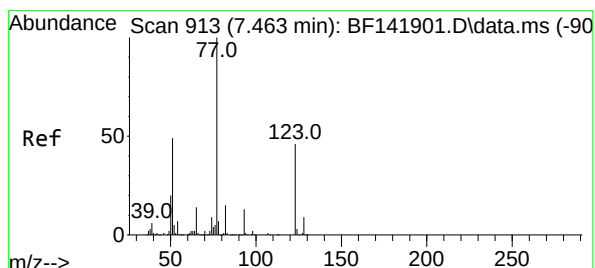
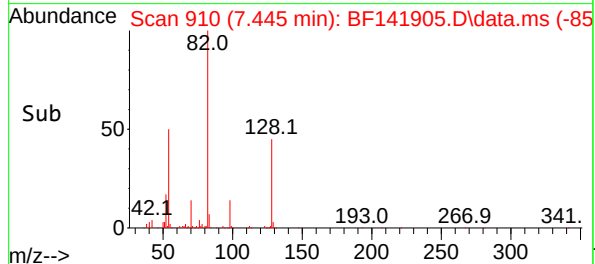
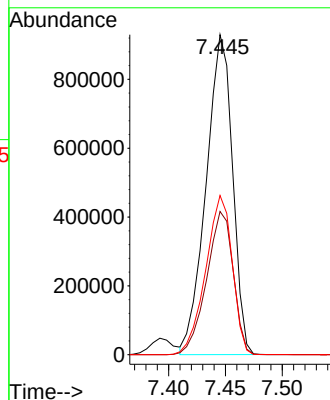
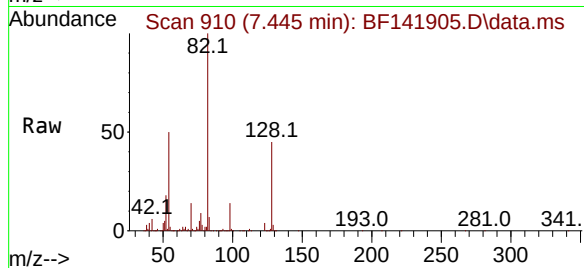
BNA_F

ClientSampleId :

SSTDICC050

Tgt Ion: 82 Resp: 1507471

Ion	Ratio	Lower	Upper
82	100		
128	44.8	36.0	54.0
54	49.8	39.6	59.4



#24

Nitrobenzene

Concen: 48.514 ng

RT: 7.463 min Scan# 913

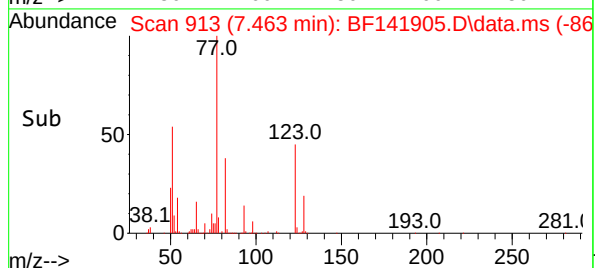
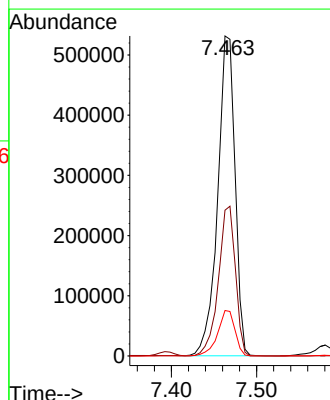
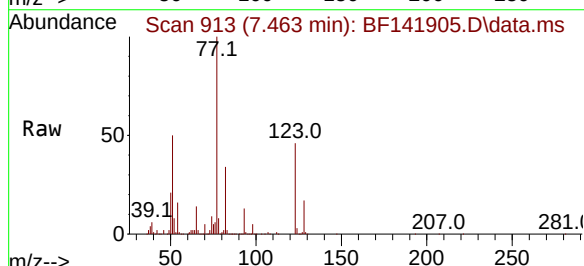
Delta R.T. -0.000 min

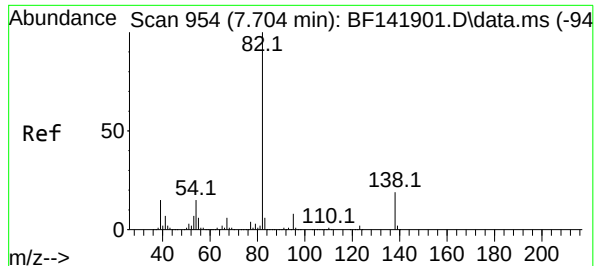
Lab File: BF141905.D

Acq: 10 Mar 2025 15:20

Tgt Ion: 77 Resp: 752936

Ion	Ratio	Lower	Upper
77	100		
123	45.6	37.0	55.4
65	14.2	11.3	16.9





#25

Isophorone

Concen: 48.027 ng

RT: 7.704 min Scan# 91

Delta R.T. -0.000 min

Lab File: BF141905.D

Acq: 10 Mar 2025 15:20

Instrument :

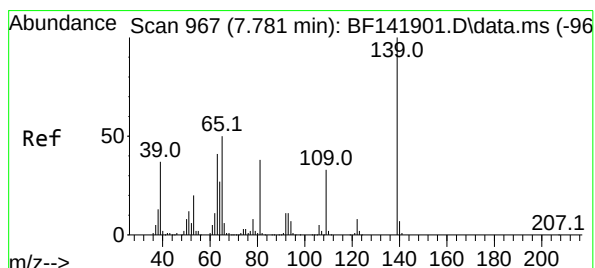
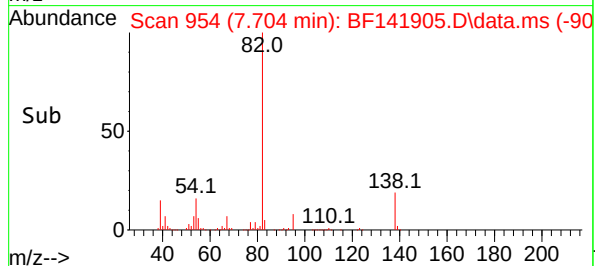
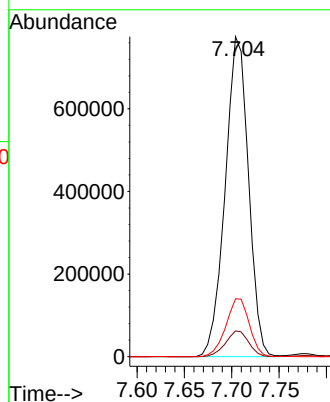
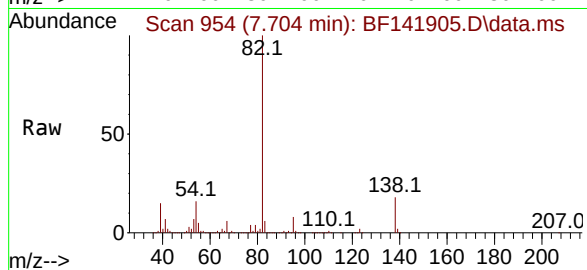
BNA_F

ClientSampleId :

SSTDICC050

Tgt Ion: 82 Resp: 1327254

Ion	Ratio	Lower	Upper
82	100		
95	8.0	6.4	9.6
138	18.1	14.9	22.3



#26

2-Nitrophenol

Concen: 51.644 ng

RT: 7.781 min Scan# 967

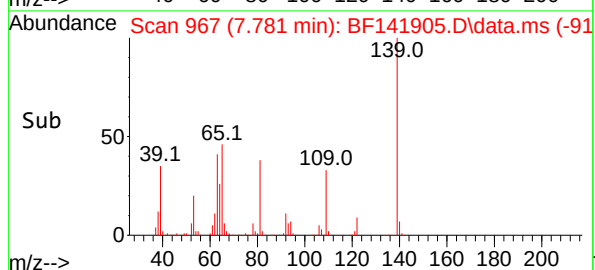
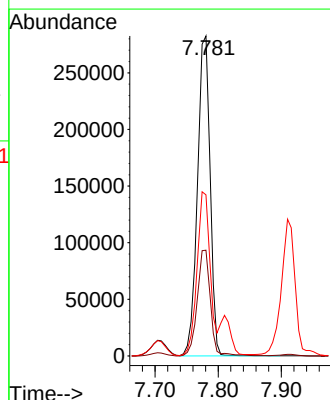
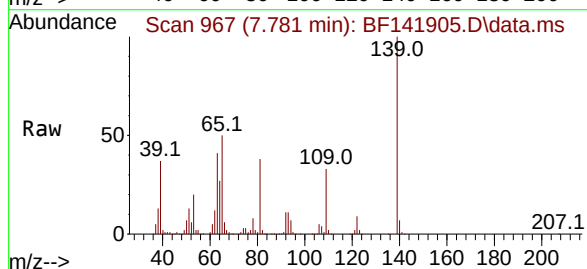
Delta R.T. -0.000 min

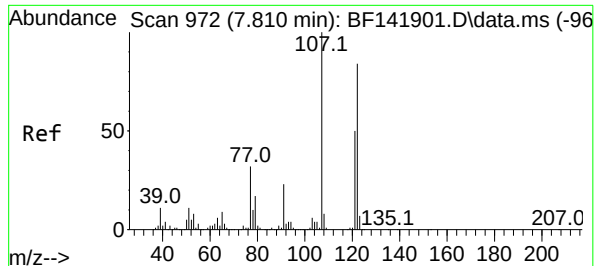
Lab File: BF141905.D

Acq: 10 Mar 2025 15:20

Tgt Ion:139 Resp: 392772

Ion	Ratio	Lower	Upper
139	100		
109	33.1	26.5	39.7
65	50.4	40.3	60.5





#27

2,4-Dimethylphenol

Concen: 48.725 ng

RT: 7.810 min Scan# 91

Delta R.T. -0.000 min

Lab File: BF141905.D

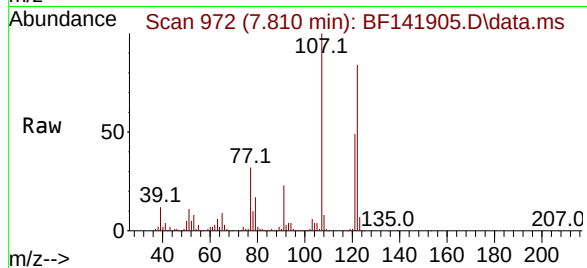
Acq: 10 Mar 2025 15:20

Instrument :

BNA_F

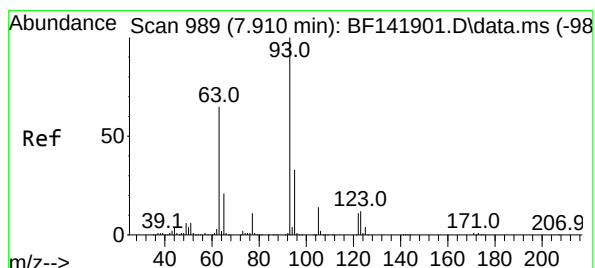
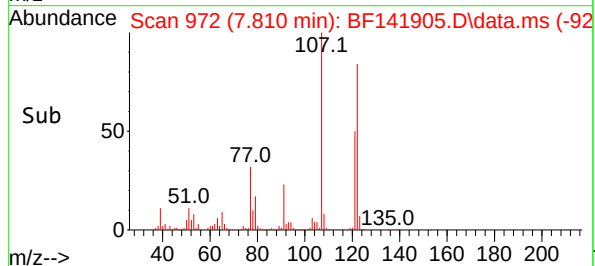
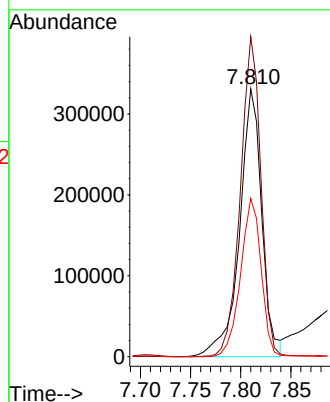
ClientSampleId :

SSTDICC050



Tgt Ion:122 Resp: 510395

Ion	Ratio	Lower	Upper
122	100		
107	119.4	94.8	142.2
121	59.1	47.8	71.6



#28

bis(2-Chloroethoxy)methane

Concen: 47.757 ng

RT: 7.910 min Scan# 989

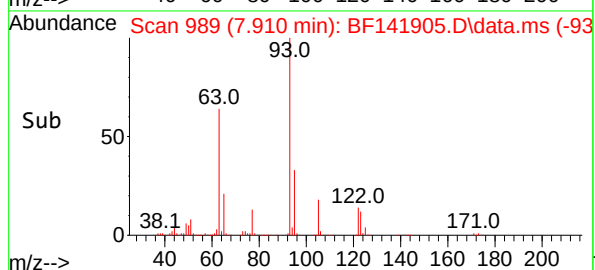
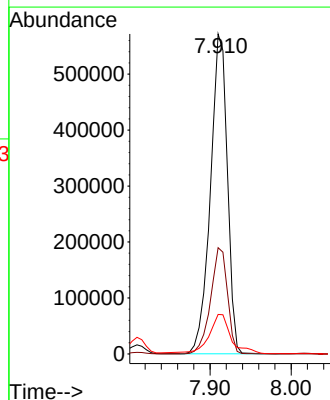
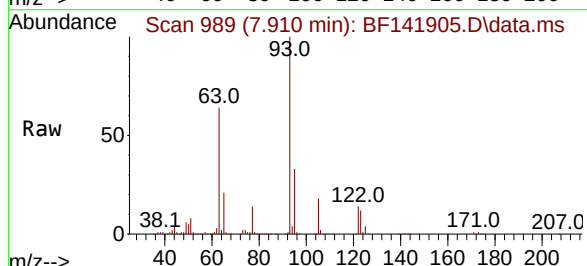
Delta R.T. -0.000 min

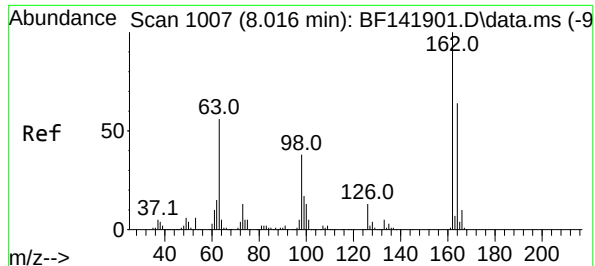
Lab File: BF141905.D

Acq: 10 Mar 2025 15:20

Tgt Ion: 93 Resp: 826776

Ion	Ratio	Lower	Upper
93	100		
95	33.2	26.6	40.0
123	12.4	10.2	15.4





#29

2,4-Dichlorophenol

Concen: 49.793 ng

RT: 8.016 min Scan# 1007

Delta R.T. -0.000 min

Lab File: BF141905.D

Acq: 10 Mar 2025 15:20

Instrument :

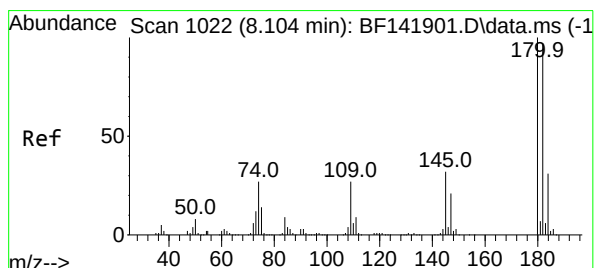
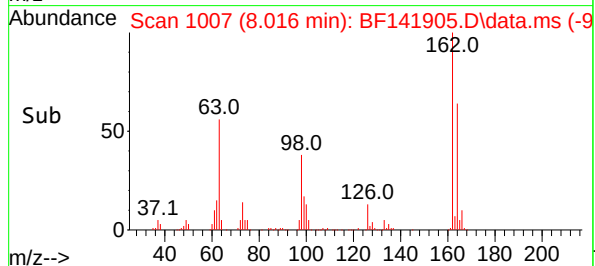
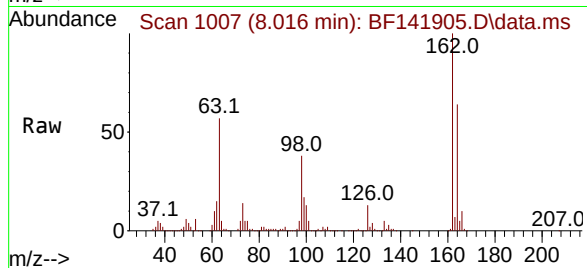
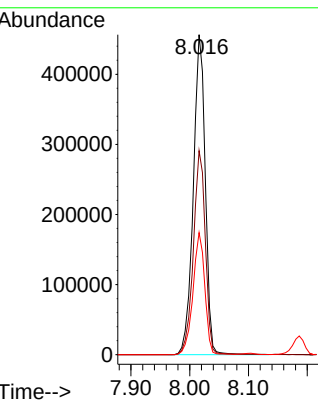
BNA_F

ClientSampleId :

SSTDICC050

Tgt Ion:162 Resp: 647319

Ion	Ratio	Lower	Upper
162	100		
164	63.8	43.8	83.8
98	38.1	18.1	58.1



#30

1,2,4-Trichlorobenzene

Concen: 48.617 ng

RT: 8.104 min Scan# 1022

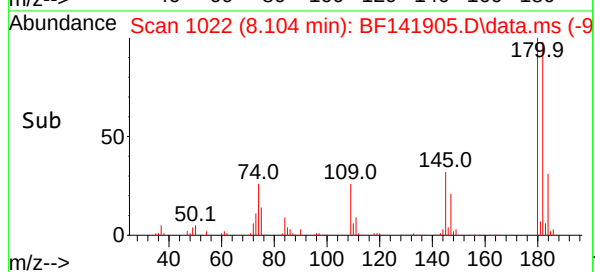
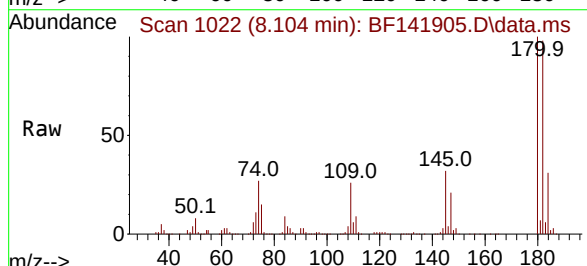
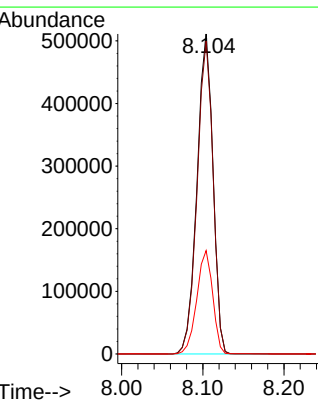
Delta R.T. 0.000 min

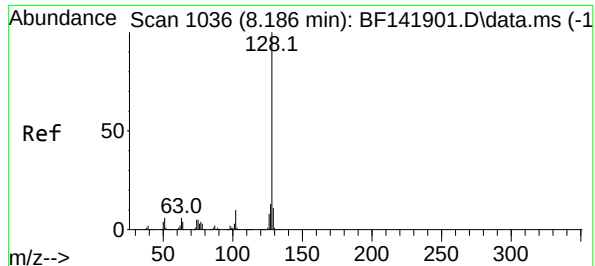
Lab File: BF141905.D

Acq: 10 Mar 2025 15:20

Tgt Ion:180 Resp: 697274

Ion	Ratio	Lower	Upper
180	100		
182	97.8	77.5	116.3
145	32.3	25.8	38.6

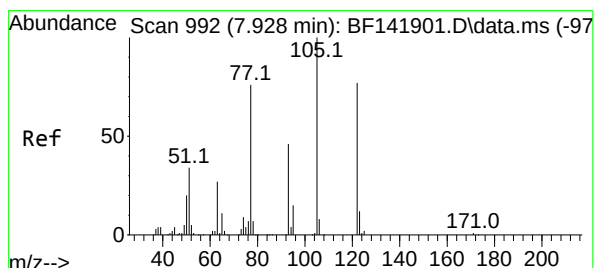
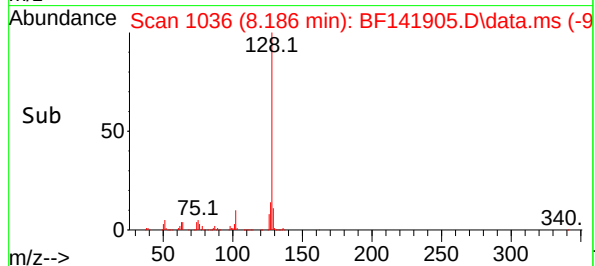
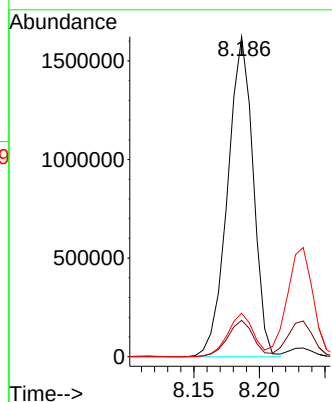
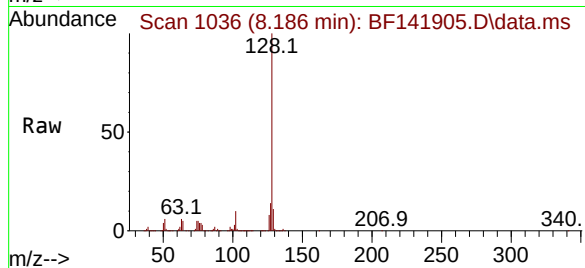




#31
Naphthalene
Concen: 48.863 ng
RT: 8.186 min Scan# 1036
Delta R.T. -0.000 min
Lab File: BF141905.D
Acq: 10 Mar 2025 15:20

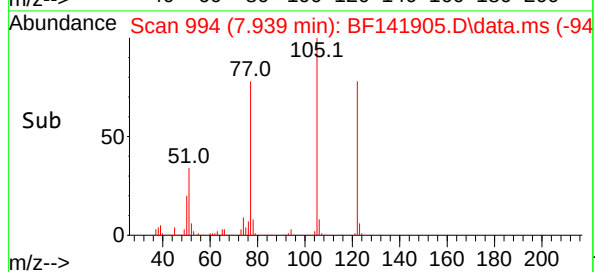
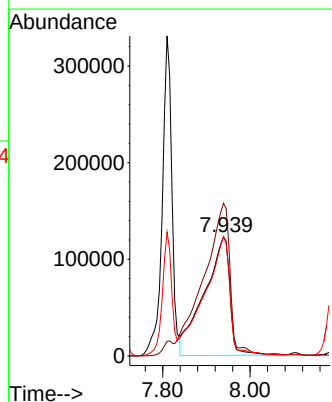
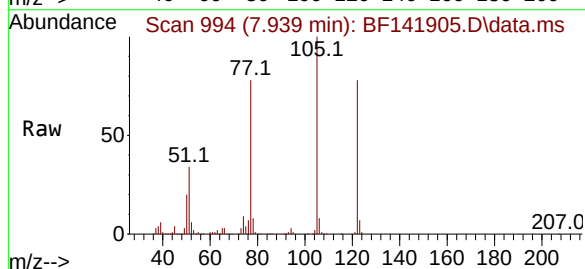
Instrument :
BNA_F
ClientSampleId :
SSTDICC050

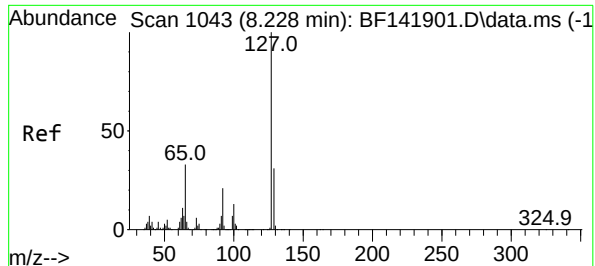
Tgt Ion:128 Resp: 2196111
Ion Ratio Lower Upper
128 100
129 11.4 9.0 13.6
127 13.5 10.8 16.2



#32
Benzoic acid
Concen: 54.676 ng
RT: 7.939 min Scan# 994
Delta R.T. 0.011 min
Lab File: BF141905.D
Acq: 10 Mar 2025 15:20

Tgt Ion:122 Resp: 500593
Ion Ratio Lower Upper
122 100
105 128.0 107.9 147.9
77 99.6 79.0 119.0

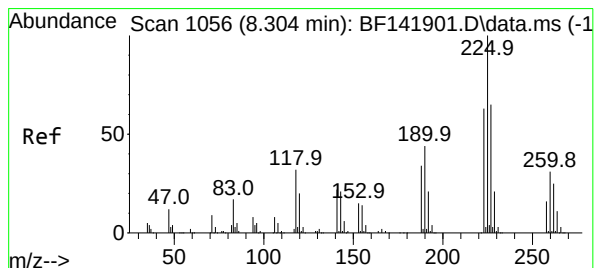
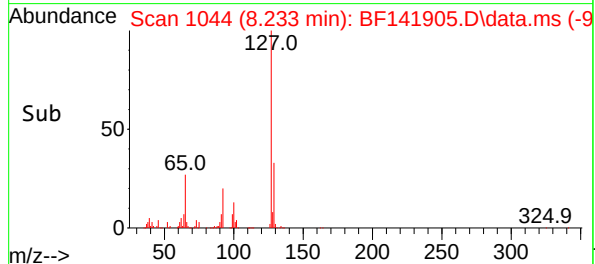
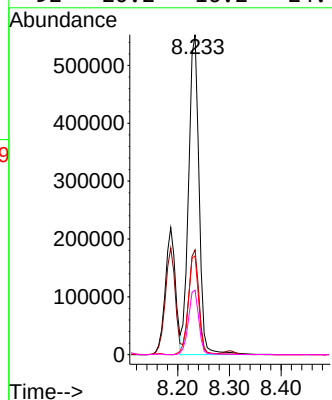
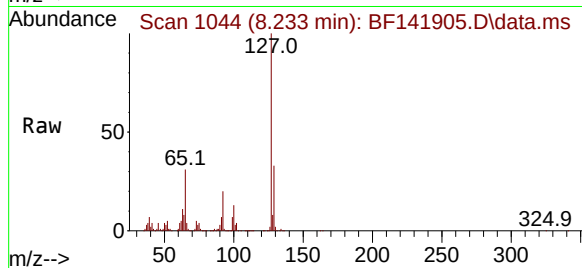




#33
4-Chloroaniline
Concen: 48.909 ng
RT: 8.233 min Scan# 1044
Delta R.T. 0.006 min
Lab File: BF141905.D
Acq: 10 Mar 2025 15:20

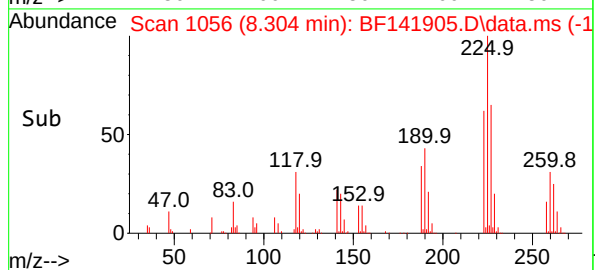
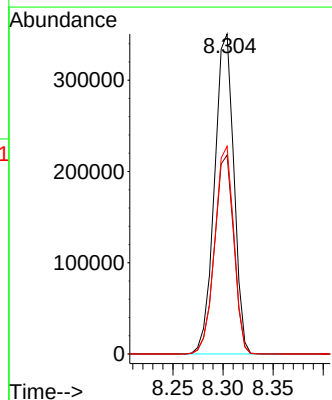
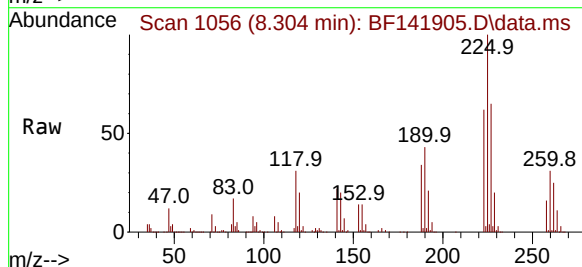
Instrument :
BNA_F
ClientSampleId :
SSTDICC050

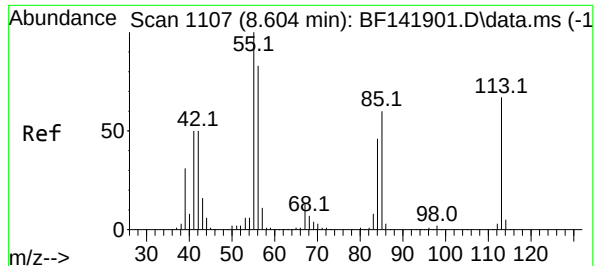
Tgt Ion:	127	Resp:	775699
Ion	Ratio	Lower	Upper
127	100		
129	32.8	26.2	39.4
65	30.9	25.4	38.2
92	20.2	16.2	24.4



#34
Hexachlorobutadiene
Concen: 50.376 ng
RT: 8.304 min Scan# 1056
Delta R.T. -0.000 min
Lab File: BF141905.D
Acq: 10 Mar 2025 15:20

Tgt Ion:	225	Resp:	469787
Ion	Ratio	Lower	Upper
225	100		
223	62.2	50.6	75.8
227	64.9	52.2	78.2

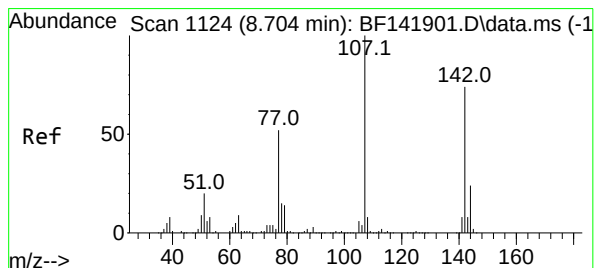
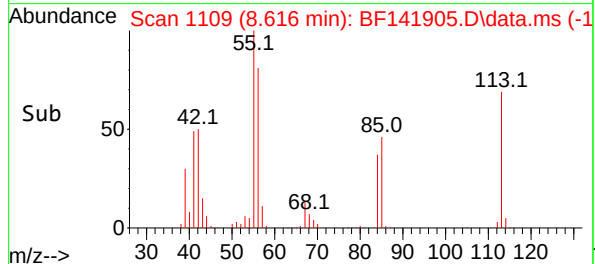
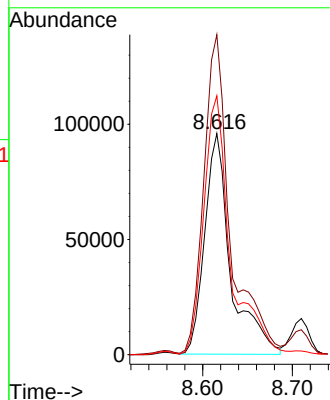
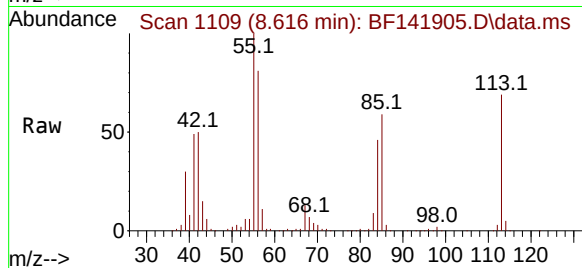




#35
Caprolactam
Concen: 48.891 ng
RT: 8.616 min Scan# 1109
Delta R.T. 0.012 min
Lab File: BF141905.D
Acq: 10 Mar 2025 15:20

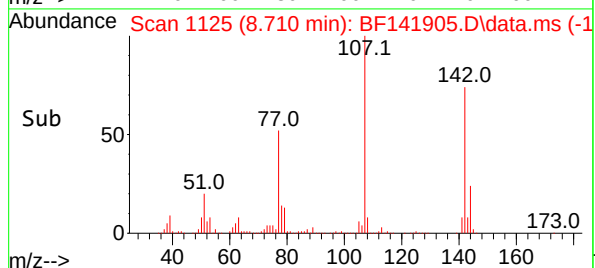
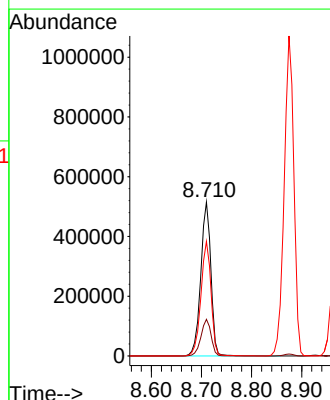
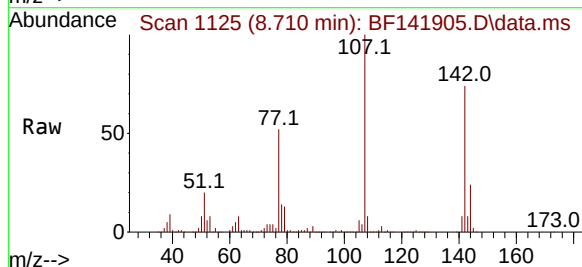
Instrument :
BNA_F
ClientSampleId :
SSTDICC050

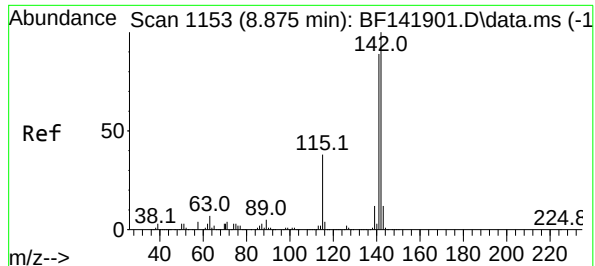
Tgt Ion:113 Resp: 193267
Ion Ratio Lower Upper
113 100
55 144.7 129.6 169.6
56 117.1 104.0 144.0



#36
4-Chloro-3-methylphenol
Concen: 49.925 ng
RT: 8.710 min Scan# 1125
Delta R.T. 0.006 min
Lab File: BF141905.D
Acq: 10 Mar 2025 15:20

Tgt Ion:107 Resp: 721800
Ion Ratio Lower Upper
107 100
144 23.8 19.0 28.6
142 74.4 59.2 88.8

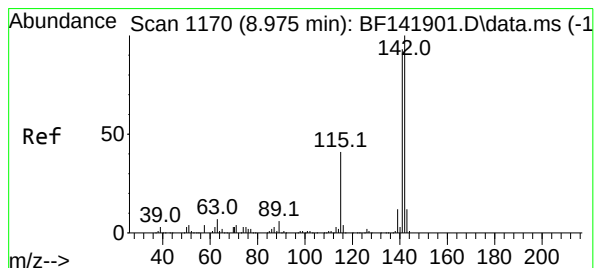
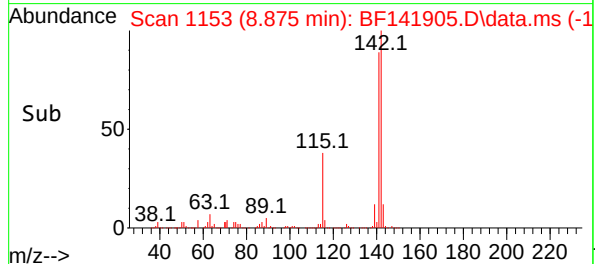
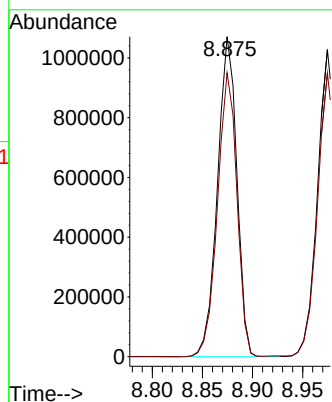
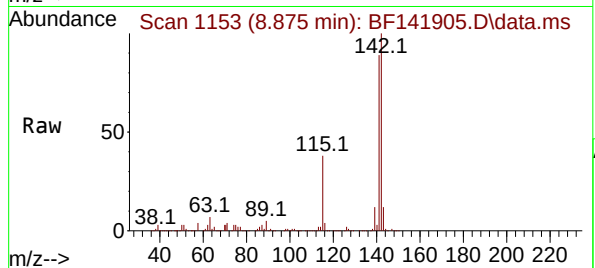




#37
2-Methylnaphthalene
Concen: 47.638 ng
RT: 8.875 min Scan# 1153
Delta R.T. -0.000 min
Lab File: BF141905.D
Acq: 10 Mar 2025 15:20

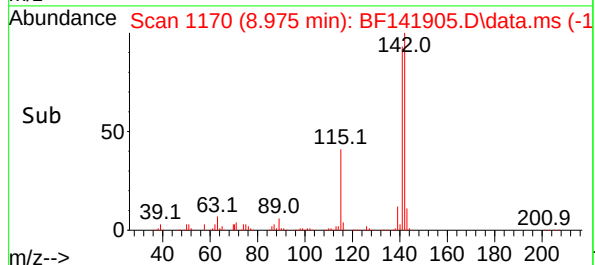
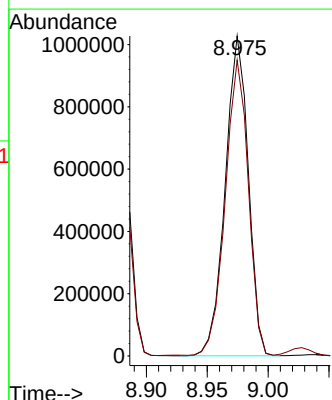
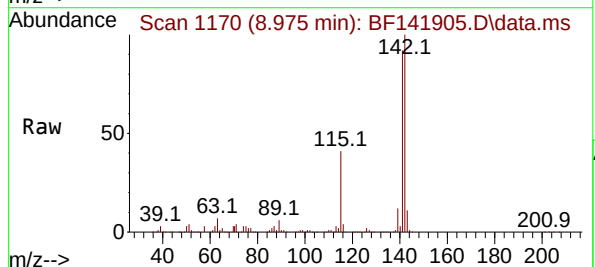
Instrument :
BNA_F
ClientSampleId :
SSTDICC050

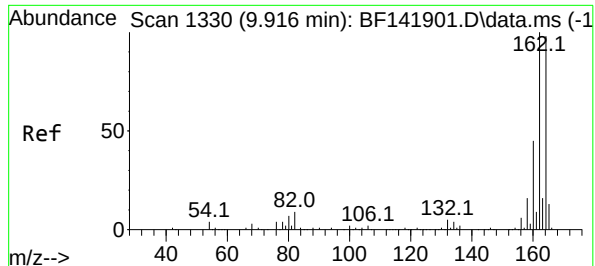
Tgt Ion:142 Resp: 1436485
Ion Ratio Lower Upper
142 100
141 88.7 71.2 106.8



#38
1-Methylnaphthalene
Concen: 46.482 ng
RT: 8.975 min Scan# 1170
Delta R.T. -0.000 min
Lab File: BF141905.D
Acq: 10 Mar 2025 15:20

Tgt Ion:142 Resp: 1357356
Ion Ratio Lower Upper
142 100
141 92.4 74.2 111.4





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.922 min Scan# 1181

Delta R.T. 0.006 min

Lab File: BF141905.D

Acq: 10 Mar 2025 15:20

Instrument :

BNA_F

ClientSampleId :

SSTDICC050

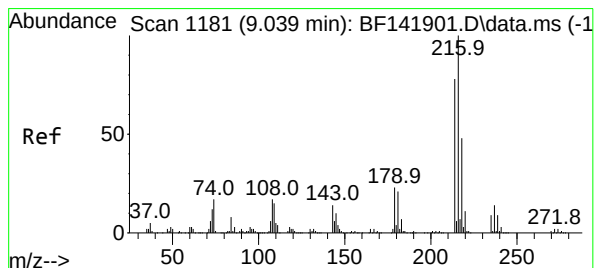
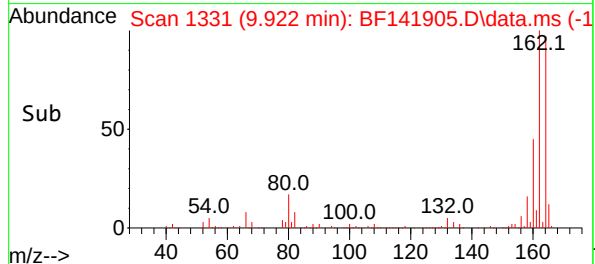
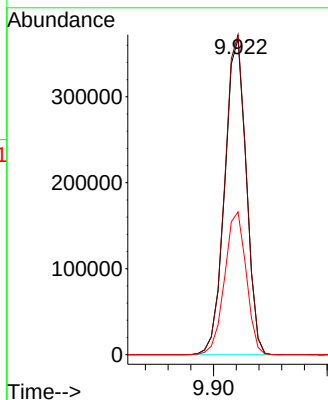
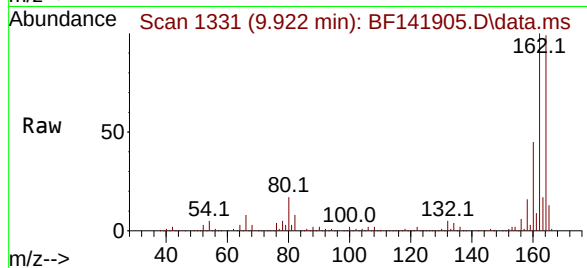
Tgt Ion:164 Resp: 481971

Ion Ratio Lower Upper

164 100

162 101.3 81.8 122.6

160 45.2 36.7 55.1



#40

1,2,4,5-Tetrachlorobenzene

Concen: 48.955 ng

RT: 9.039 min Scan# 1181

Delta R.T. 0.000 min

Lab File: BF141905.D

Acq: 10 Mar 2025 15:20

Tgt Ion:216 Resp: 719431

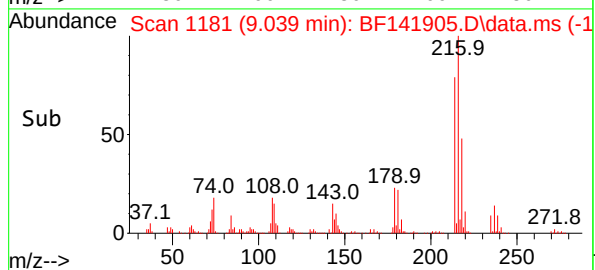
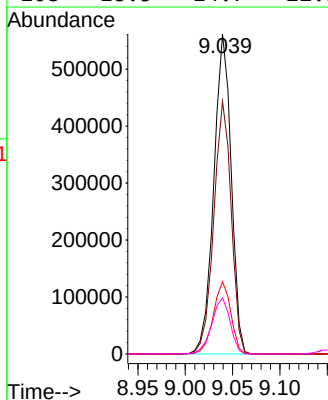
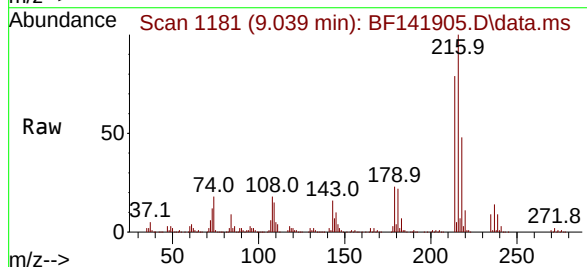
Ion Ratio Lower Upper

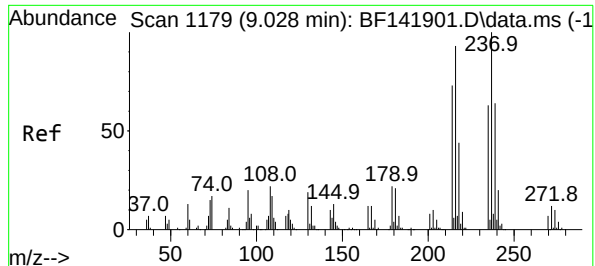
216 100

214 78.9 61.9 92.9

179 22.7 18.1 27.1

108 18.5 14.7 22.1

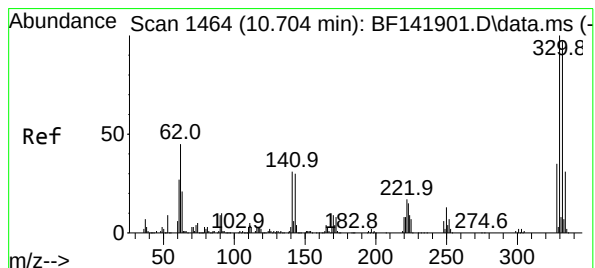
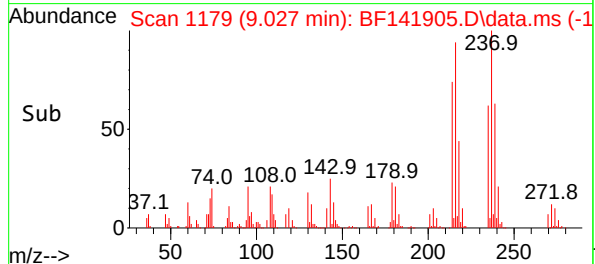
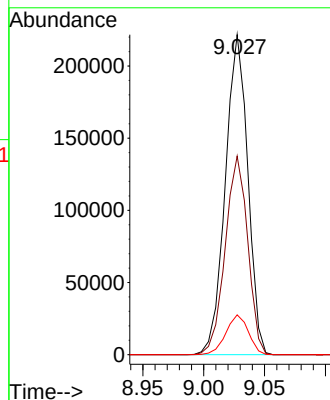
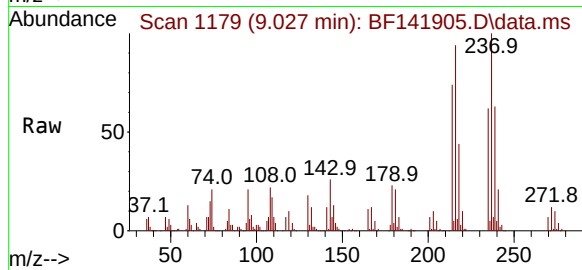




#41
Hexachlorocyclopentadiene
Concen: 49.142 ng
RT: 9.027 min Scan# 1179
Delta R.T. -0.000 min
Lab File: BF141905.D
Acq: 10 Mar 2025 15:20

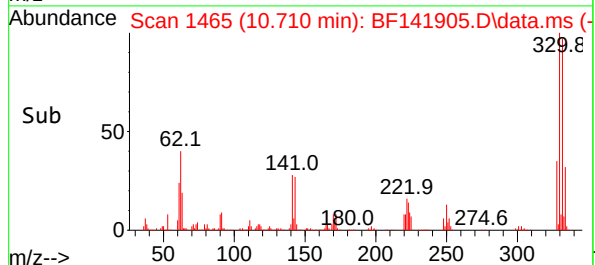
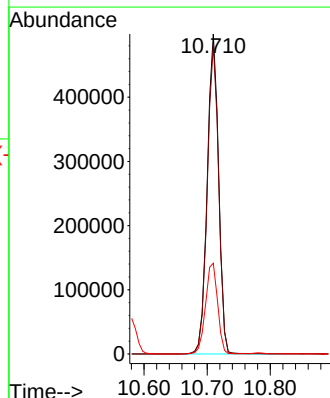
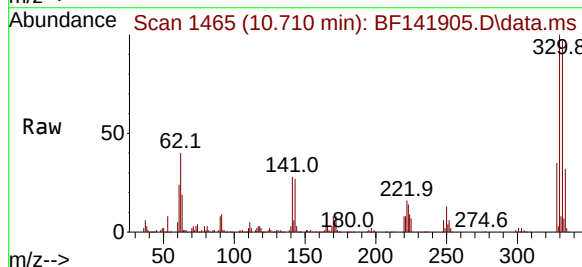
Instrument :
BNA_F
ClientSampleId :
SSTDICC050

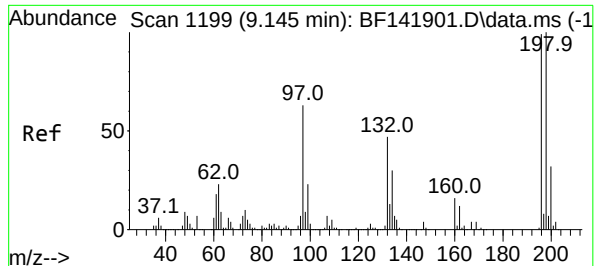
Tgt Ion:237 Resp: 284968
Ion Ratio Lower Upper
237 100
235 62.1 43.1 83.1
272 12.4 0.0 32.0



#42
2,4,6-Tribromophenol
Concen: 102.342 ng
RT: 10.710 min Scan# 1465
Delta R.T. 0.006 min
Lab File: BF141905.D
Acq: 10 Mar 2025 15:20

Tgt Ion:330 Resp: 625035
Ion Ratio Lower Upper
330 100
332 96.6 77.6 116.4
141 30.1 24.7 37.1





#43

2,4,6-Trichlorophenol

Concen: 50.291 ng

RT: 9.151 min Scan# 1199

Delta R.T. 0.006 min

Lab File: BF141905.D

Acq: 10 Mar 2025 15:20

Instrument :

BNA_F

ClientSampleId :

SSTDICC050

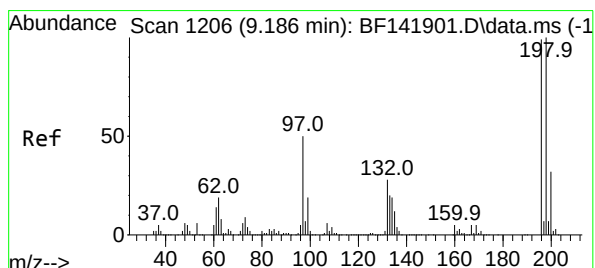
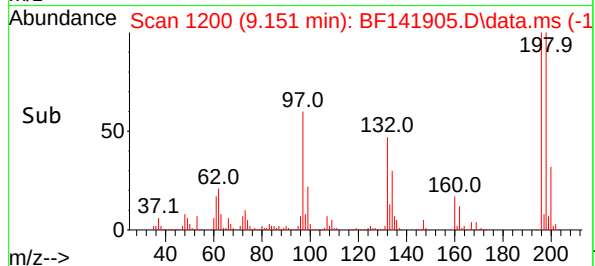
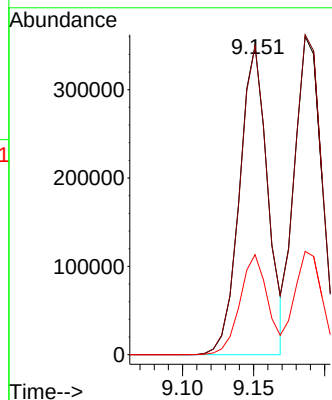
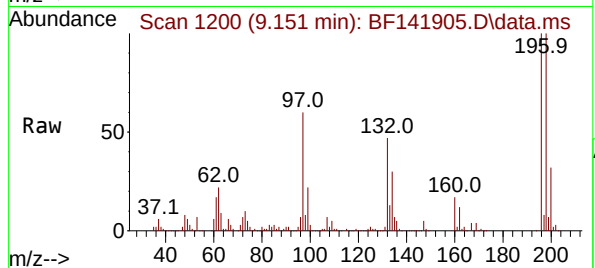
Tgt Ion:196 Resp: 481782

Ion Ratio Lower Upper

196 100

198 99.9 80.6 121.0

200 32.3 25.8 38.6



#44

2,4,5-Trichlorophenol

Concen: 49.580 ng

RT: 9.186 min Scan# 1206

Delta R.T. -0.000 min

Lab File: BF141905.D

Acq: 10 Mar 2025 15:20

Tgt Ion:196 Resp: 482570

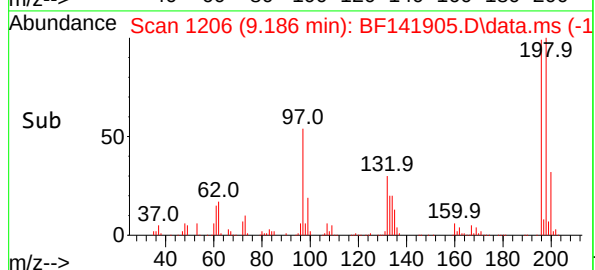
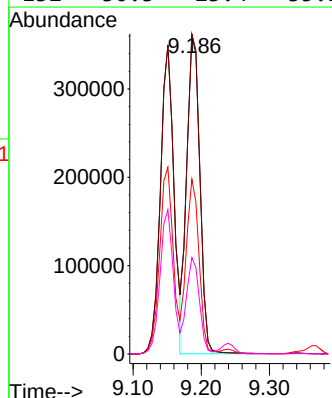
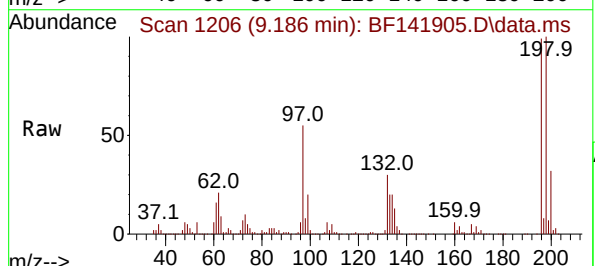
Ion Ratio Lower Upper

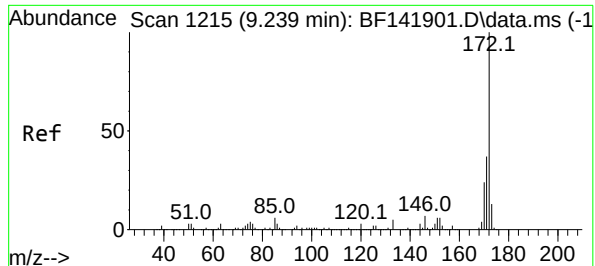
196 100

198 100.5 80.7 121.1

97 54.9 42.1 63.1

132 30.3 23.4 35.2





#45

2-Fluorobiphenyl

Concen: 96.836 ng

RT: 9.239 min Scan# 1215

Delta R.T. -0.000 min

Lab File: BF141905.D

Acq: 10 Mar 2025 15:20

Instrument :

BNA_F

ClientSampleId :

SSTDICC050

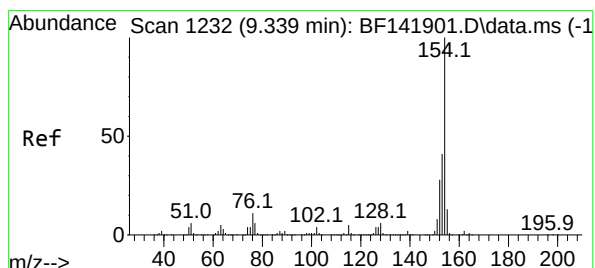
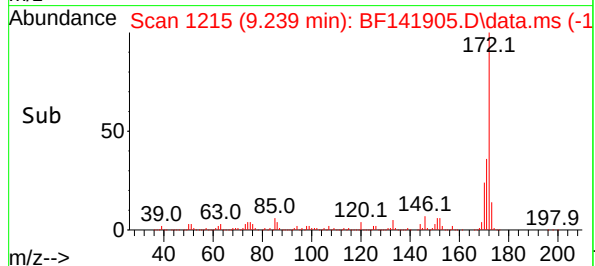
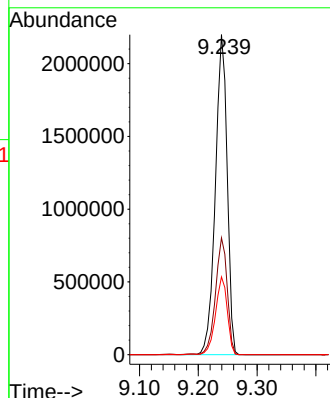
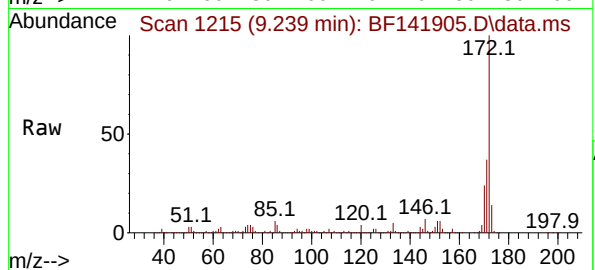
Tgt Ion:172 Resp: 3064989

Ion Ratio Lower Upper

172 100

171 36.5 29.3 43.9

170 24.3 19.4 29.0



#46

1,1'-Biphenyl

Concen: 49.526 ng

RT: 9.339 min Scan# 1232

Delta R.T. -0.000 min

Lab File: BF141905.D

Acq: 10 Mar 2025 15:20

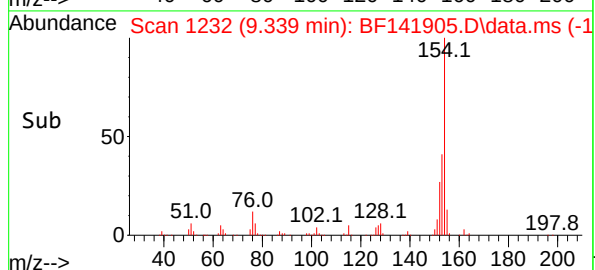
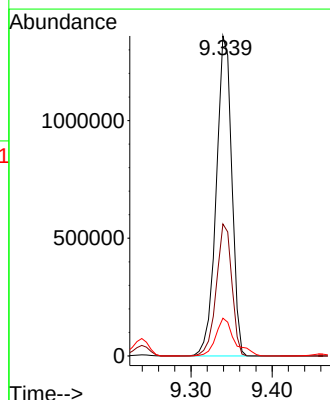
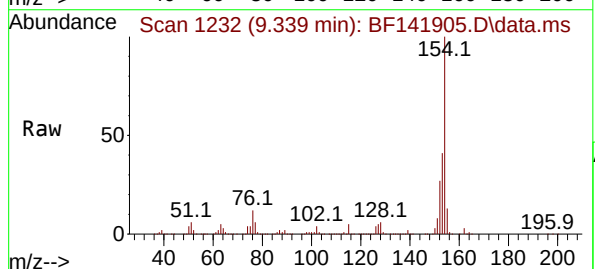
Tgt Ion:154 Resp: 1809746

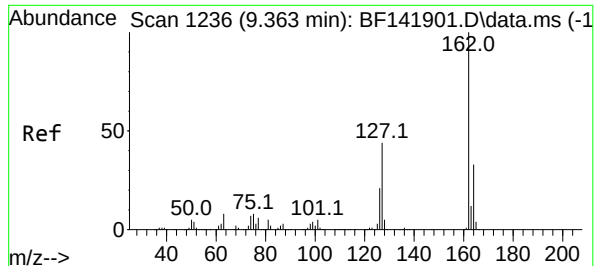
Ion Ratio Lower Upper

154 100

153 41.3 21.1 61.1

76 11.8 0.0 31.3





#47

2-Chloronaphthalene

Concen: 49.960 ng

RT: 9.369 min Scan# 1236

Delta R.T. 0.006 min

Lab File: BF141905.D

Acq: 10 Mar 2025 15:20

Instrument :

BNA_F

ClientSampleId :

SSTDICC050

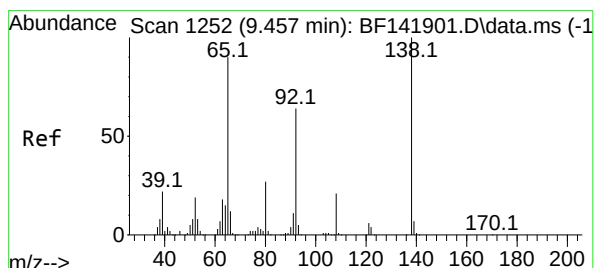
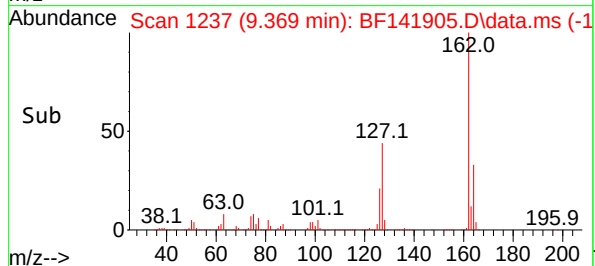
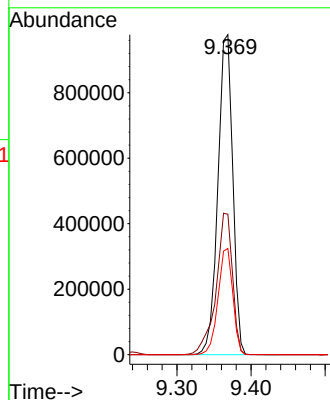
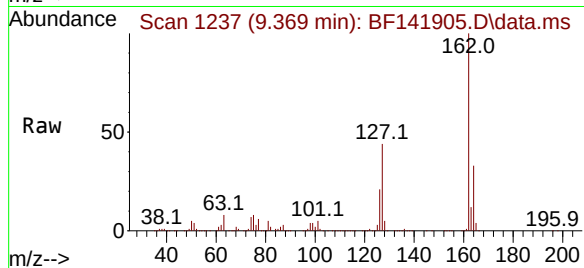
Tgt Ion:162 Resp: 1360528

Ion Ratio Lower Upper

162 100

127 43.9 35.5 53.3

164 33.2 26.6 40.0



#48

2-Nitroaniline

Concen: 54.854 ng

RT: 9.457 min Scan# 1252

Delta R.T. -0.000 min

Lab File: BF141905.D

Acq: 10 Mar 2025 15:20

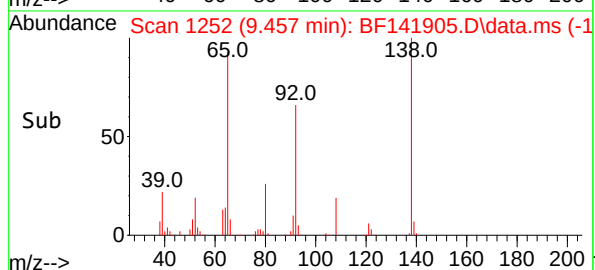
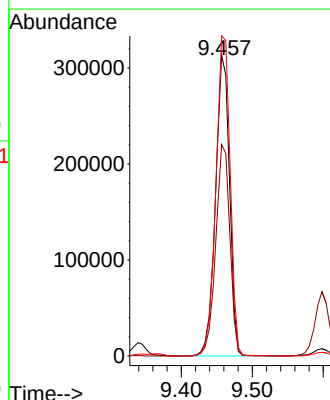
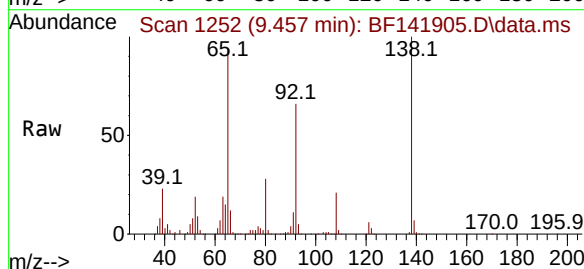
Tgt Ion: 65 Resp: 429111

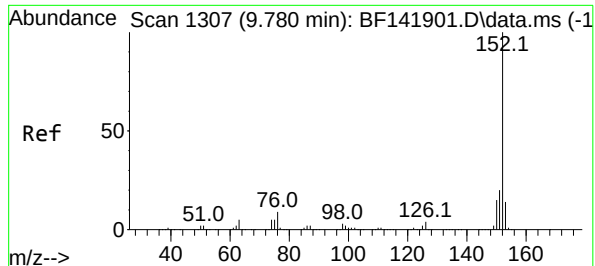
Ion Ratio Lower Upper

65 100

92 70.4 56.6 84.8

138 106.4 88.6 133.0





#49

Acenaphthylene

Concen: 49.674 ng

RT: 9.780 min Scan# 1

Delta R.T. -0.000 min

Lab File: BF141905.D

Acq: 10 Mar 2025 15:20

Instrument :

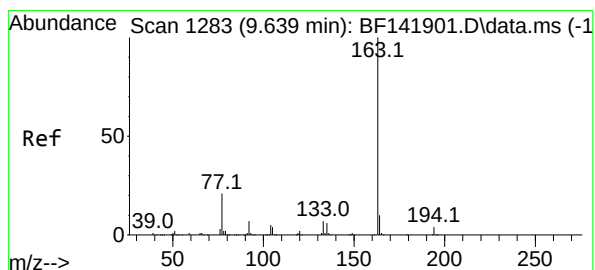
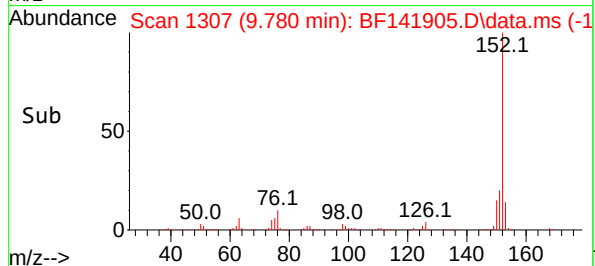
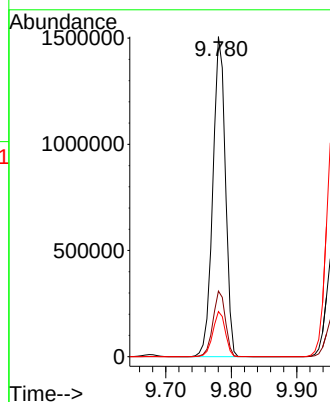
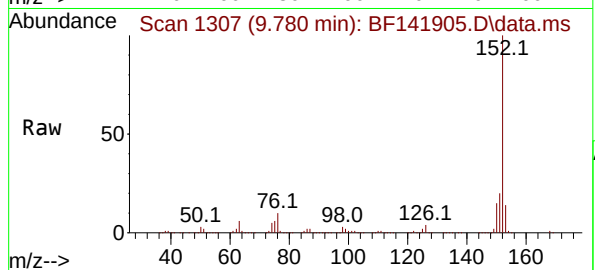
BNA_F

ClientSampleId :

SSTDICC050

Tgt Ion:152 Resp: 2005538

Ion	Ratio	Lower	Upper
152	100		
151	20.5	16.3	24.5
153	14.1	11.1	16.7



#50

Dimethylphthalate

Concen: 51.273 ng

RT: 9.645 min Scan# 1284

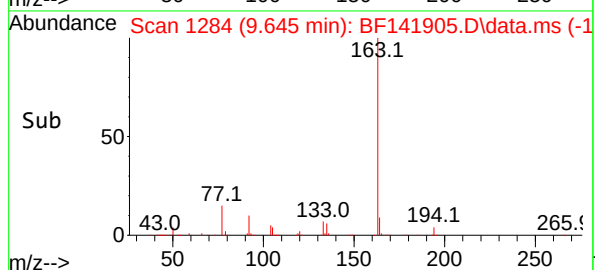
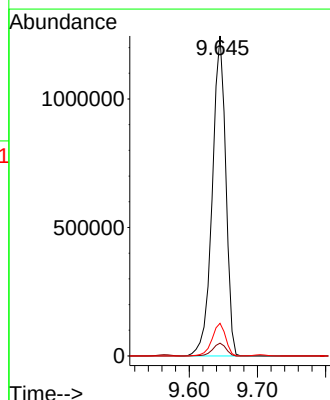
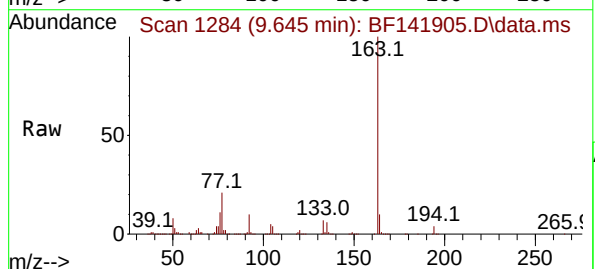
Delta R.T. 0.006 min

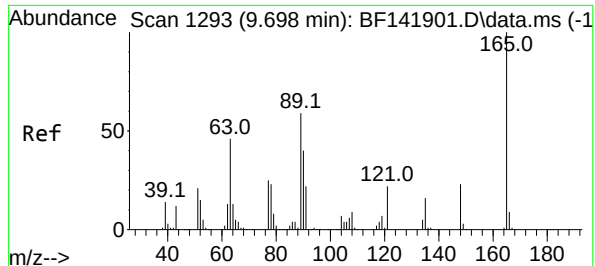
Lab File: BF141905.D

Acq: 10 Mar 2025 15:20

Tgt Ion:163 Resp: 1716995

Ion	Ratio	Lower	Upper
163	100		
194	4.0	3.1	4.7
164	10.2	8.2	12.4





#51

2,6-Dinitrotoluene

Concen: 53.184 ng

RT: 9.704 min Scan# 11

Delta R.T. 0.006 min

Lab File: BF141905.D

Acq: 10 Mar 2025 15:20

Instrument :

BNA_F

ClientSampleId :

SSTDICC050

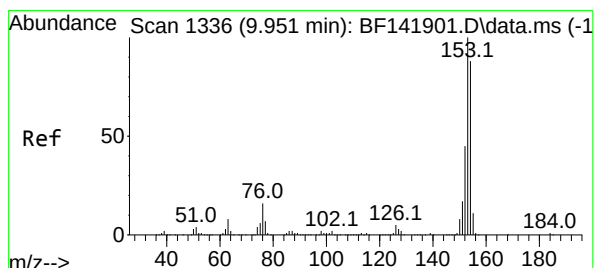
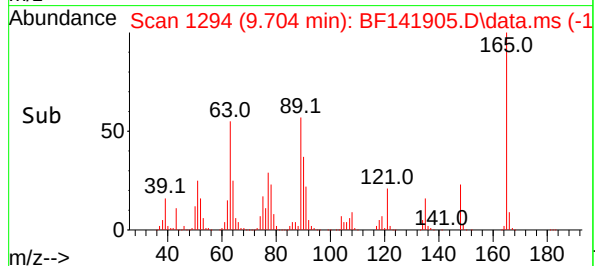
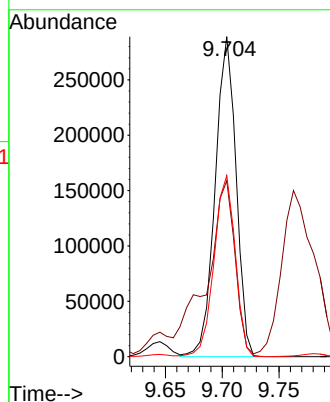
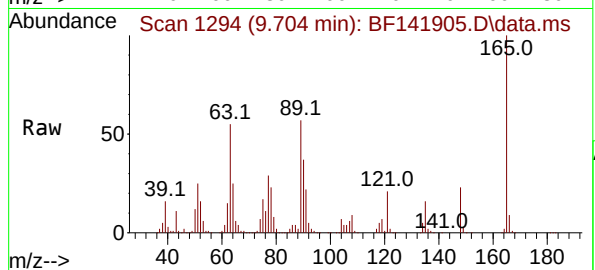
Tgt Ion:165 Resp: 370368

Ion Ratio Lower Upper

165 100

63 55.0 47.0 70.4

89 56.6 47.4 71.2



#52

Acenaphthene

Concen: 48.333 ng

RT: 9.957 min Scan# 1337

Delta R.T. 0.006 min

Lab File: BF141905.D

Acq: 10 Mar 2025 15:20

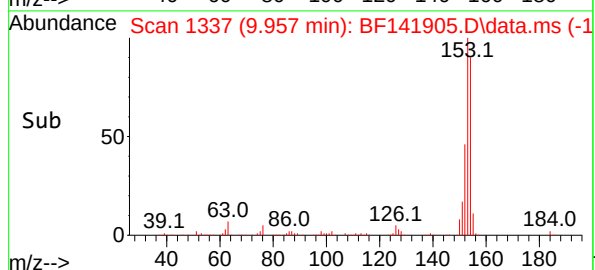
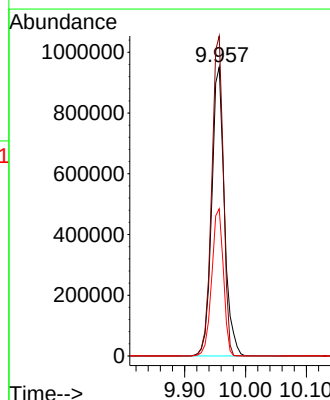
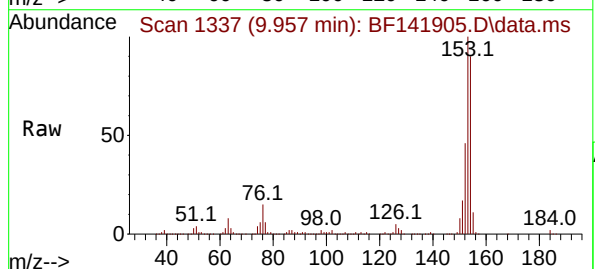
Tgt Ion:154 Resp: 1377901

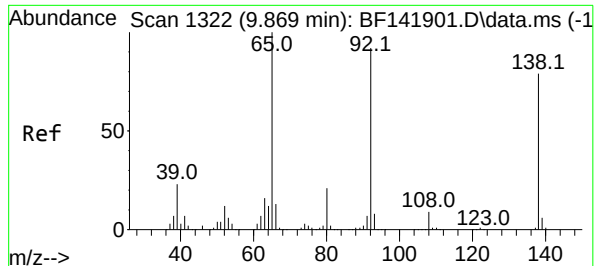
Ion Ratio Lower Upper

154 100

153 110.7 90.7 136.1

152 51.0 41.1 61.7

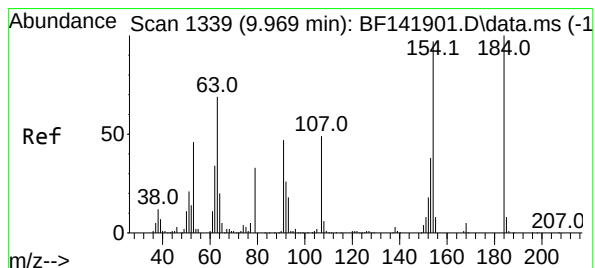
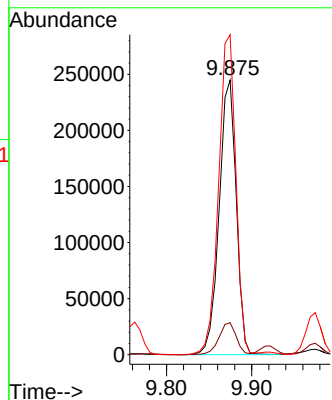
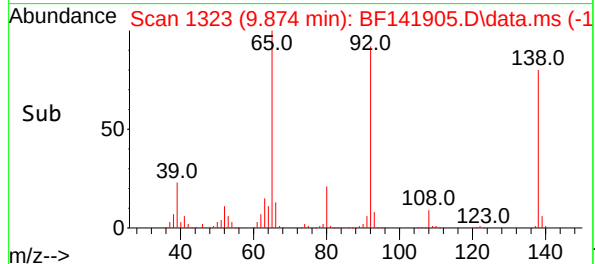
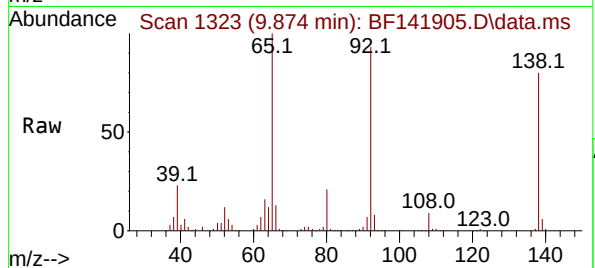




#53
3-Nitroaniline
Concen: 47.638 ng
RT: 9.874 min Scan# 1323
Delta R.T. 0.006 min
Lab File: BF141905.D
Acq: 10 Mar 2025 15:20

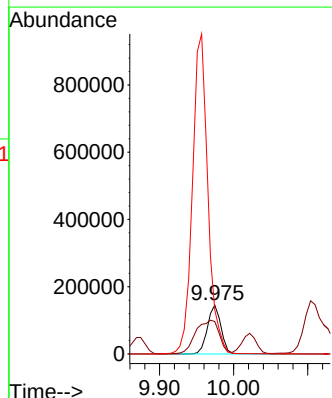
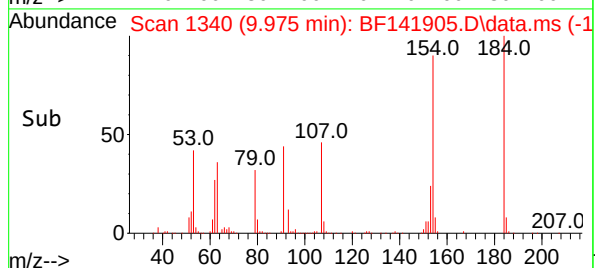
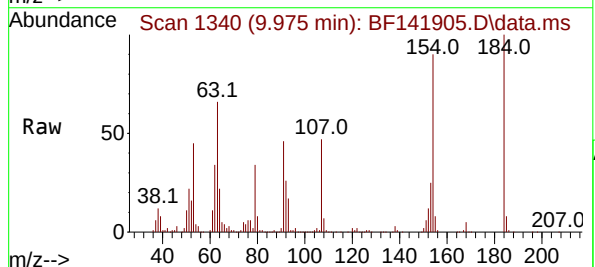
Instrument :
BNA_F
ClientSampleId :
SSTDICC050

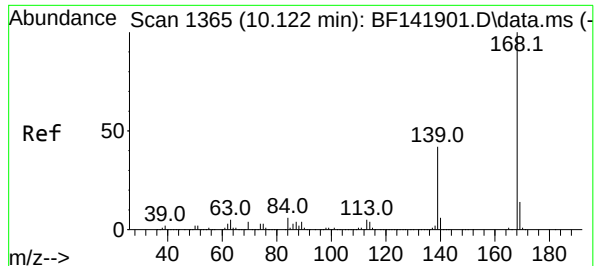
Tgt Ion:138 Resp: 340633
Ion Ratio Lower Upper
138 100
108 11.6 9.3 13.9
92 116.5 93.5 140.3



#54
2,4-Dinitrophenol
Concen: 49.104 ng
RT: 9.975 min Scan# 1340
Delta R.T. 0.006 min
Lab File: BF141905.D
Acq: 10 Mar 2025 15:20

Tgt Ion:184 Resp: 184410
Ion Ratio Lower Upper
184 100
63 66.3 60.2 90.4
154 90.1 132.9 199.3#

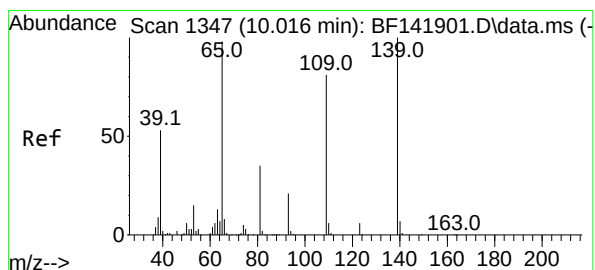
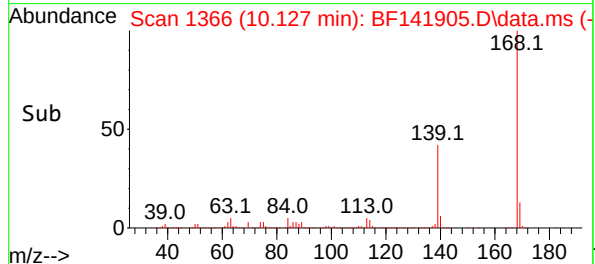
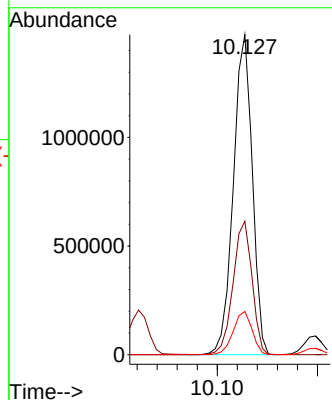
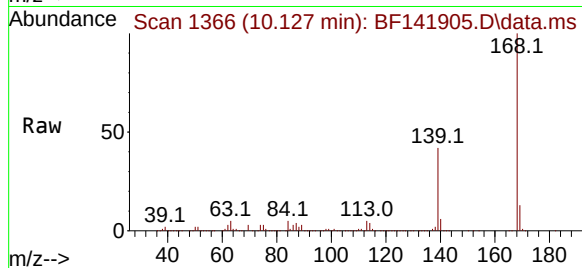




#55
Dibenzenofuran
Concen: 47.647 ng
RT: 10.127 min Scan# 1365
Delta R.T. 0.006 min
Lab File: BF141905.D
Acq: 10 Mar 2025 15:20

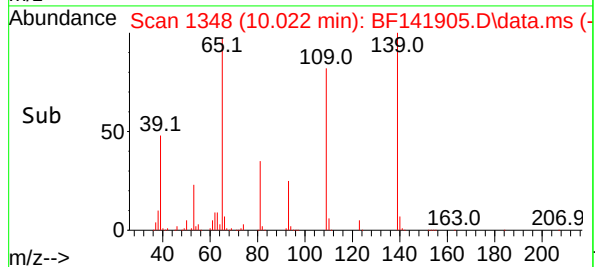
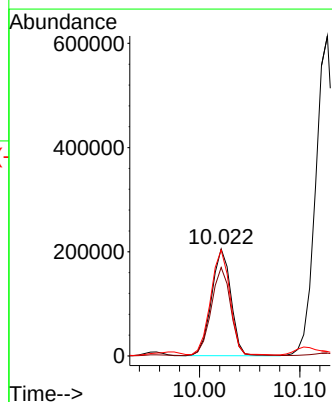
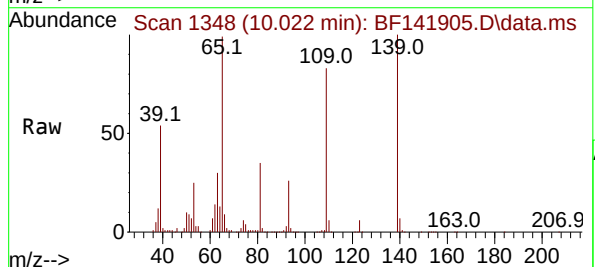
Instrument :
BNA_F
ClientSampleId :
SSTDICC050

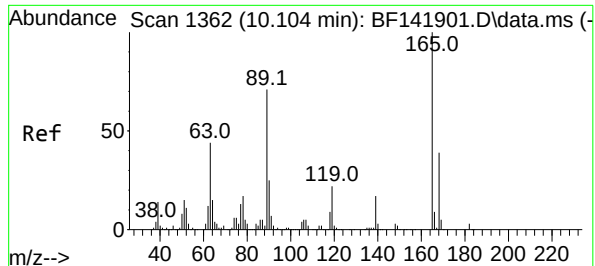
Tgt Ion:168 Resp: 1936780
Ion Ratio Lower Upper
168 100
139 41.7 33.9 50.9
169 13.5 11.0 16.4



#56
4-Nitrophenol
Concen: 51.474 ng
RT: 10.022 min Scan# 1348
Delta R.T. 0.006 min
Lab File: BF141905.D
Acq: 10 Mar 2025 15:20

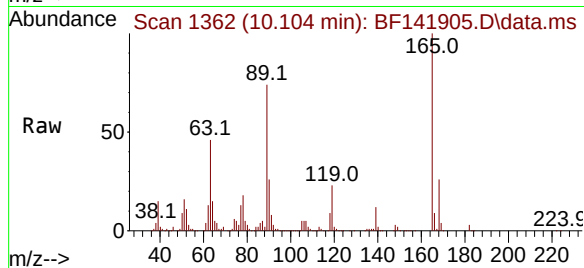
Tgt Ion:139 Resp: 276487
Ion Ratio Lower Upper
139 100
109 82.6 61.6 101.6
65 99.1 79.4 119.4



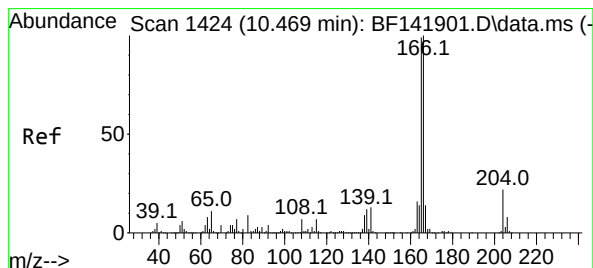
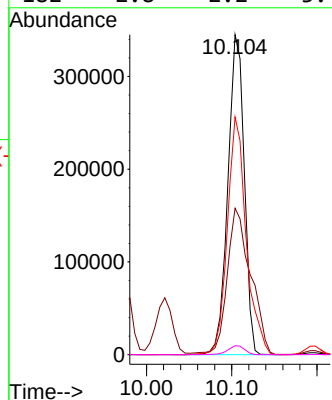
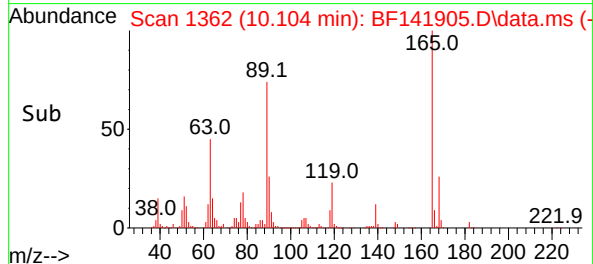


#57
2,4-Dinitrotoluene
Concen: 50.321 ng
RT: 10.104 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF141905.D
Acq: 10 Mar 2025 15:20

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

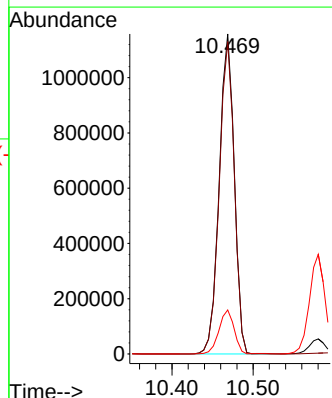
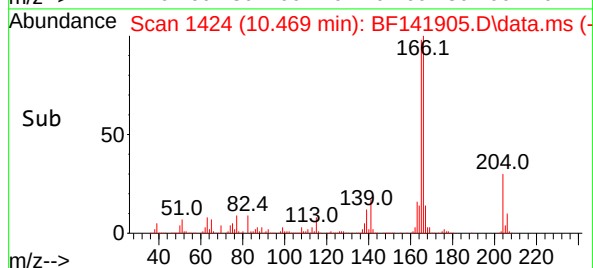
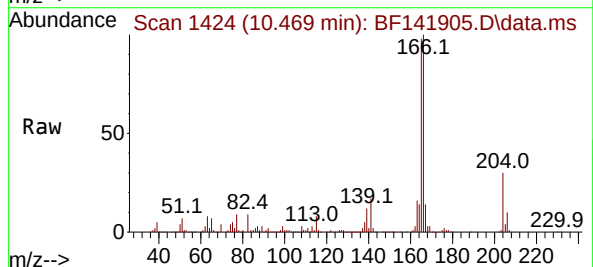


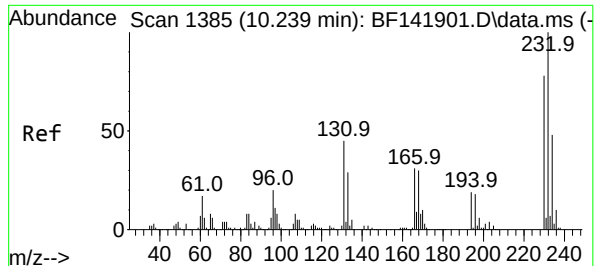
Tgt Ion:165 Resp: 461276
Ion Ratio Lower Upper
165 100
63 45.8 35.4 53.2
89 74.3 56.6 84.8
182 2.8 2.2 3.4



#58
Fluorene
Concen: 47.708 ng
RT: 10.469 min Scan# 1424
Delta R.T. -0.000 min
Lab File: BF141905.D
Acq: 10 Mar 2025 15:20

Tgt Ion:166 Resp: 1497123
Ion Ratio Lower Upper
166 100
165 97.6 79.0 118.4
167 13.7 11.0 16.4

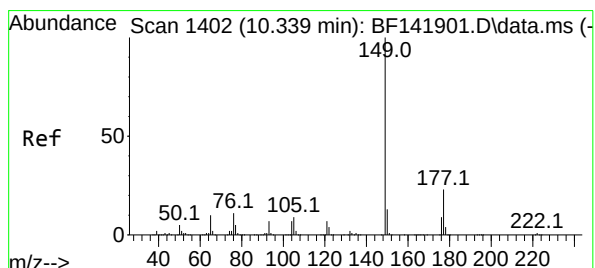
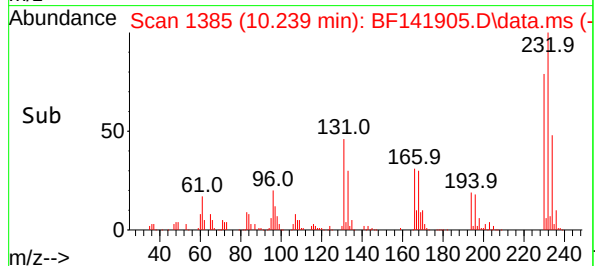
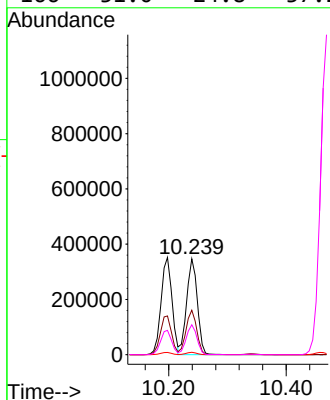
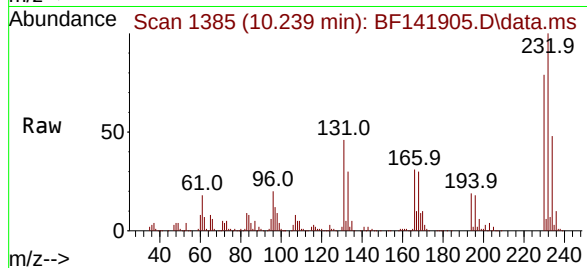




#59
2,3,4,6-Tetrachlorophenol
Concen: 49.600 ng
RT: 10.239 min Scan# 1385
Delta R.T. -0.000 min
Lab File: BF141905.D
Acq: 10 Mar 2025 15:20

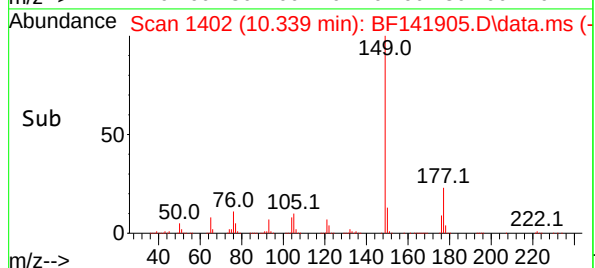
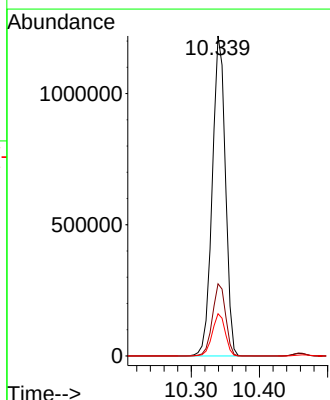
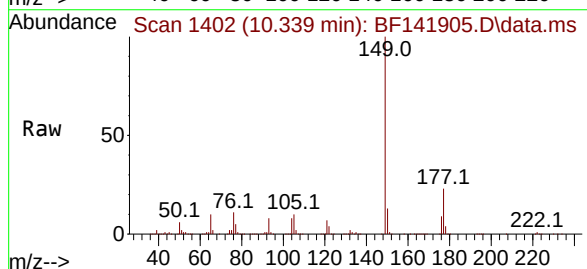
Instrument :
BNA_F
ClientSampleId :
SSTDICC050

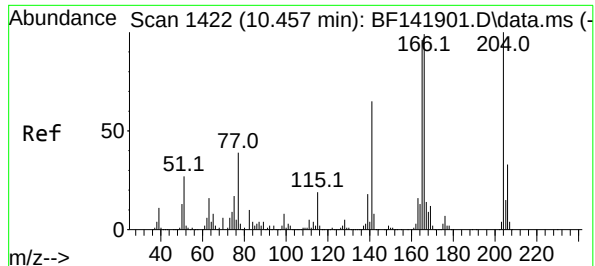
Tgt Ion:232 Resp: 438025
Ion Ratio Lower Upper
232 100
131 46.2 37.3 55.9
130 2.4 1.9 2.9
166 31.0 24.8 37.2



#60
Diethylphthalate
Concen: 48.639 ng
RT: 10.339 min Scan# 1402
Delta R.T. -0.000 min
Lab File: BF141905.D
Acq: 10 Mar 2025 15:20

Tgt Ion:149 Resp: 1635073
Ion Ratio Lower Upper
149 100
177 22.5 18.0 27.0
150 13.2 10.2 15.4

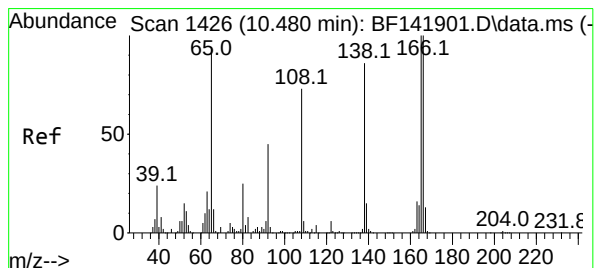
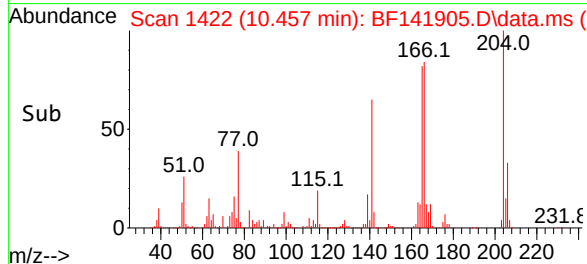
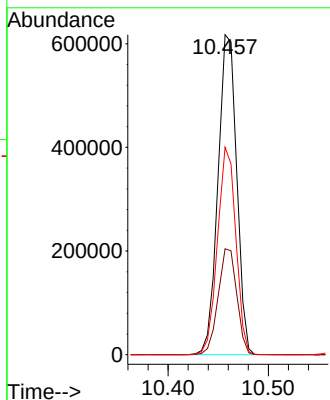
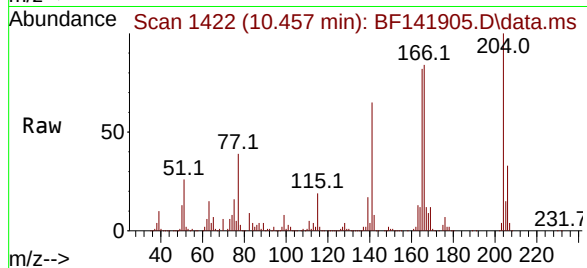




#61
4-Chlorophenyl-phenylether
Concen: 48.929 ng
RT: 10.457 min Scan# 1422
Delta R.T. -0.000 min
Lab File: BF141905.D
Acq: 10 Mar 2025 15:20

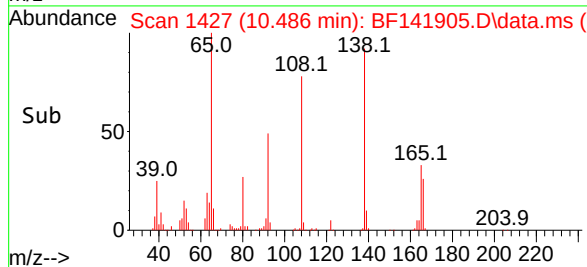
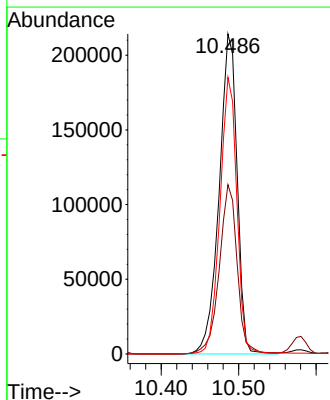
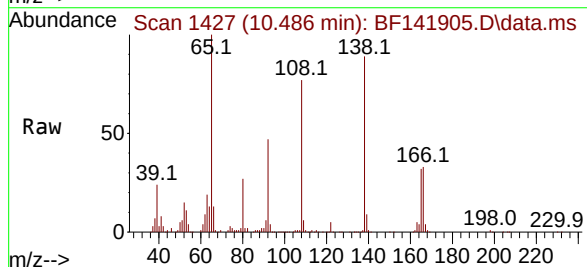
Instrument :
BNA_F
ClientSampleId :
SSTDICC050

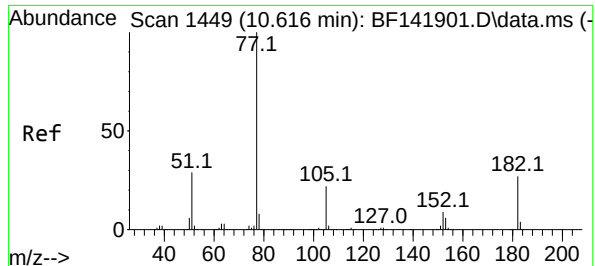
Tgt Ion:204 Resp: 799744
Ion Ratio Lower Upper
204 100
206 33.1 26.8 40.2
141 64.8 52.4 78.6



#62
4-Nitroaniline
Concen: 49.990 ng
RT: 10.486 min Scan# 1427
Delta R.T. 0.006 min
Lab File: BF141905.D
Acq: 10 Mar 2025 15:20

Tgt Ion:138 Resp: 346378
Ion Ratio Lower Upper
138 100
92 52.9 32.6 72.6
108 86.4 65.0 105.0

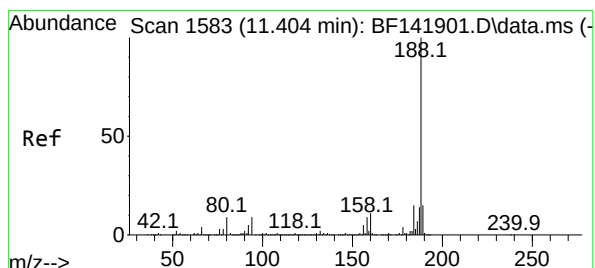
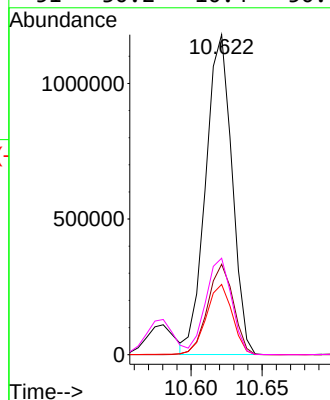
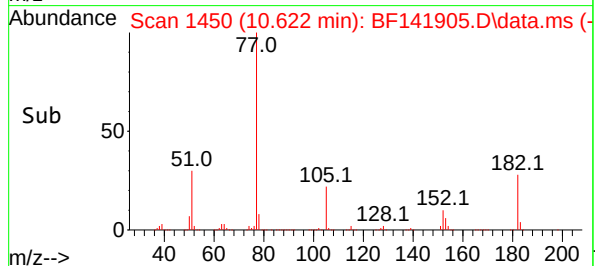
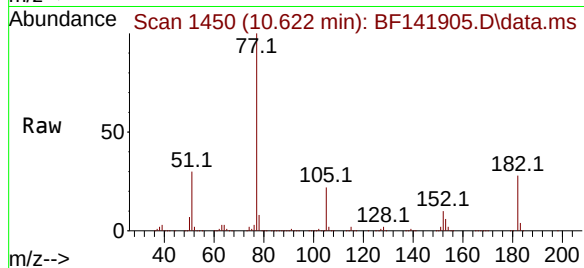




#63
Azobenzene
Concen: 48.653 ng
RT: 10.622 min Scan# 1449
Delta R.T. 0.006 min
Lab File: BF141905.D
Acq: 10 Mar 2025 15:20

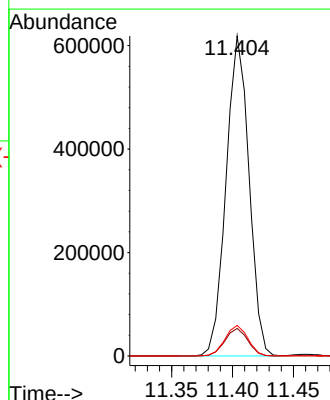
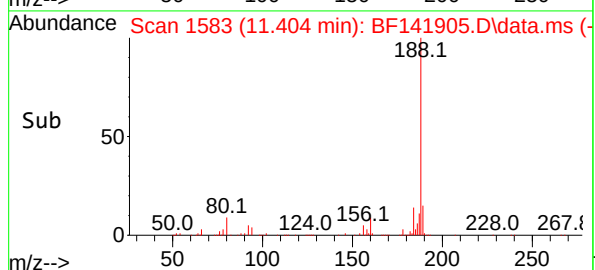
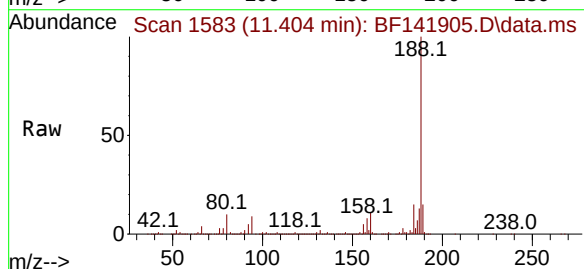
Instrument :
BNA_F
ClientSampleId :
SSTDICC050

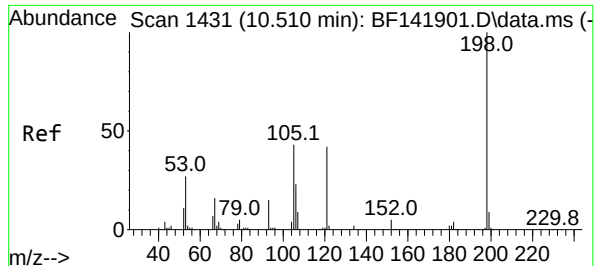
Tgt Ion: 77 Resp: 1519356
Ion Ratio Lower Upper
77 100
182 28.3 6.6 46.6
105 22.0 1.3 41.3
51 30.2 10.4 50.4



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.404 min Scan# 1583
Delta R.T. -0.000 min
Lab File: BF141905.D
Acq: 10 Mar 2025 15:20

Tgt Ion: 188 Resp: 811142
Ion Ratio Lower Upper
188 100
94 8.6 6.8 10.2
80 9.6 7.6 11.4

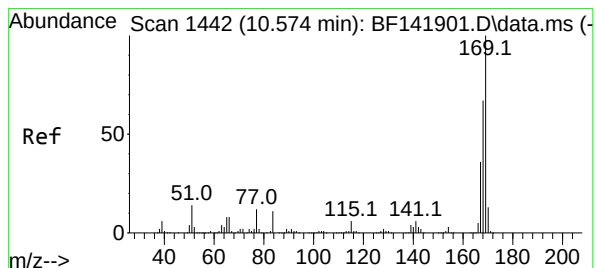
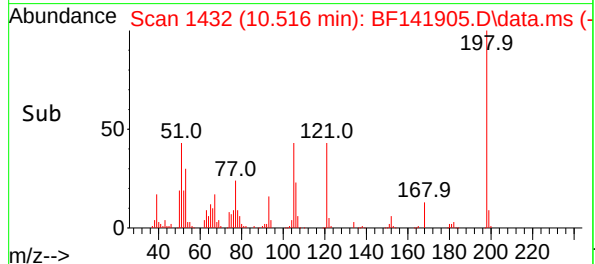
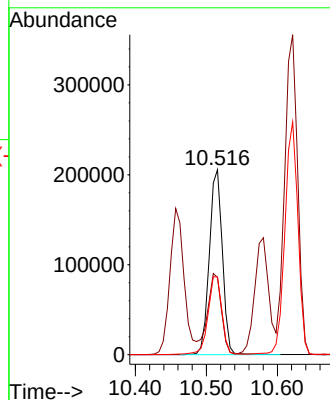
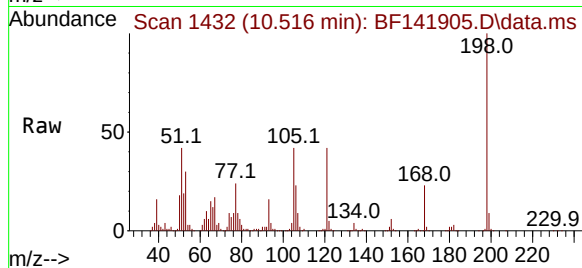




#65
4,6-Dinitro-2-methylphenol
Concen: 54.673 ng
RT: 10.516 min Scan# 1431
Delta R.T. 0.006 min
Lab File: BF141905.D
Acq: 10 Mar 2025 15:20

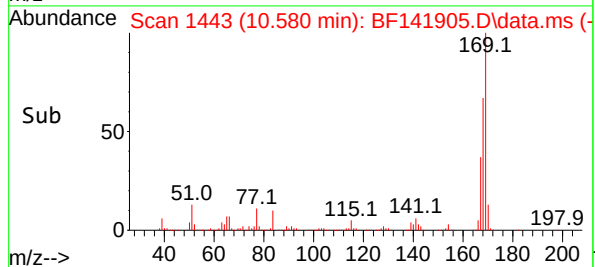
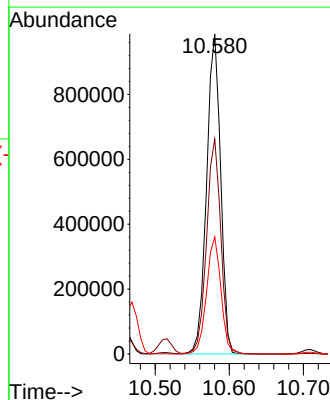
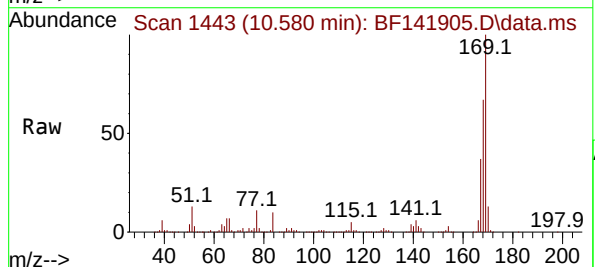
Instrument :
BNA_F
ClientSampleId :
SSTDICC050

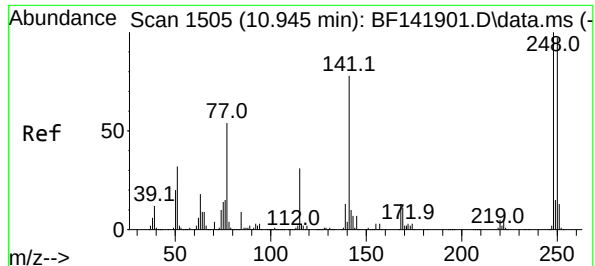
Tgt Ion:198 Resp: 262910
Ion Ratio Lower Upper
198 100
51 41.7 22.3 62.3
105 42.0 23.0 63.0



#66
n-Nitrosodiphenylamine
Concen: 49.373 ng
RT: 10.580 min Scan# 1443
Delta R.T. 0.006 min
Lab File: BF141905.D
Acq: 10 Mar 2025 15:20

Tgt Ion:169 Resp: 1293745
Ion Ratio Lower Upper
169 100
168 67.2 53.7 80.5
167 36.6 29.2 43.8

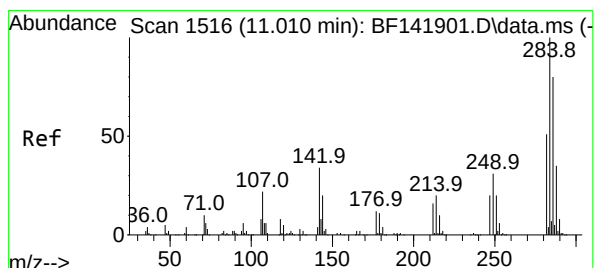
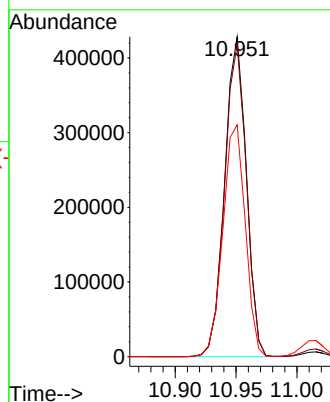
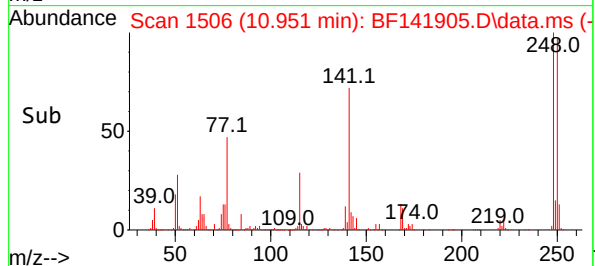
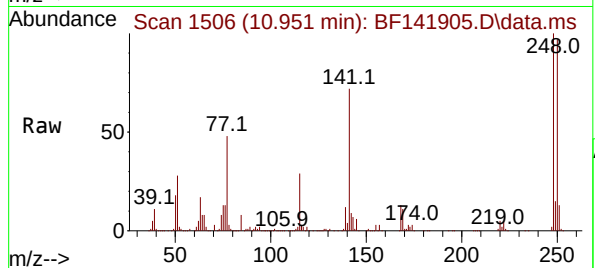




#67
4-Bromophenyl-phenylether
Concen: 52.740 ng
RT: 10.951 min Scan# 1506
Delta R.T. 0.006 min
Lab File: BF141905.D
Acq: 10 Mar 2025 15:20

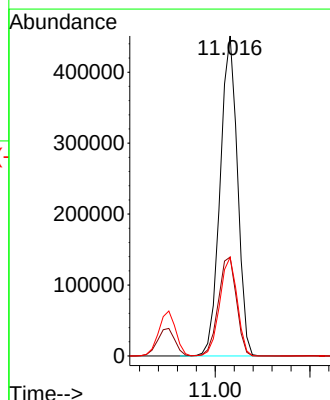
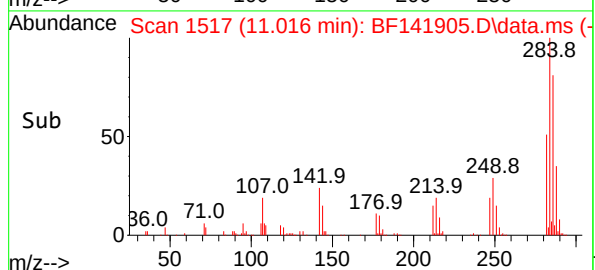
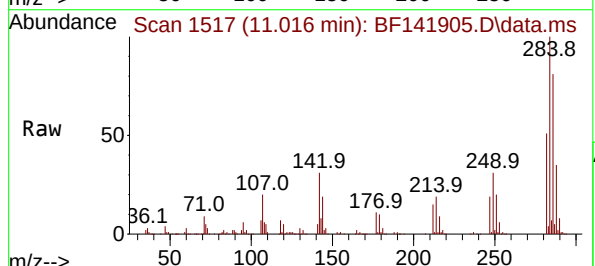
Instrument :
BNA_F
ClientSampleId :
SSTDICC050

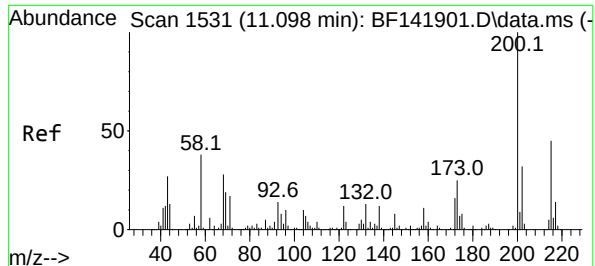
Tgt Ion:248 Resp: 532762
Ion Ratio Lower Upper
248 100
250 97.5 77.8 116.8
141 72.5 62.6 93.8



#68
Hexachlorobenzene
Concen: 51.359 ng
RT: 11.016 min Scan# 1517
Delta R.T. 0.006 min
Lab File: BF141905.D
Acq: 10 Mar 2025 15:20

Tgt Ion:284 Resp: 573467
Ion Ratio Lower Upper
284 100
142 30.9 27.0 40.6
249 30.8 25.2 37.8





#69

Atrazine

Concen: 65.441 ng

RT: 11.104 min Scan# 1532

Delta R.T. 0.006 min

Lab File: BF141905.D

Acq: 10 Mar 2025 15:20

Instrument :

BNA_F

ClientSampleId :

SSTDIC050

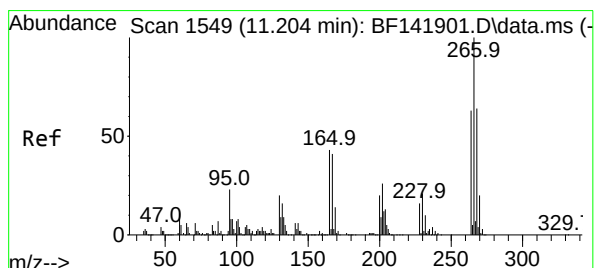
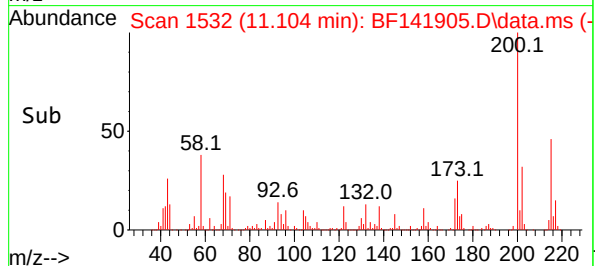
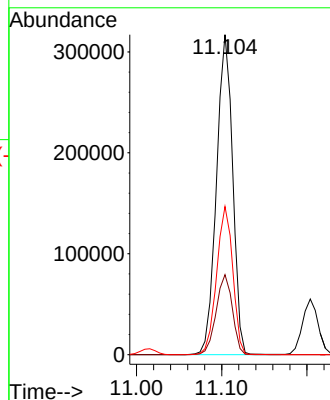
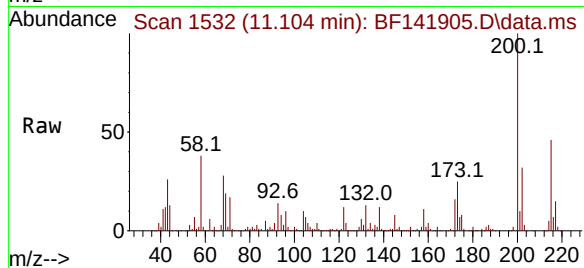
Tgt Ion:200 Resp: 418147

Ion Ratio Lower Upper

200 100

173 25.0 4.7 44.7

215 46.3 25.4 65.4



#70

Pentachlorophenol

Concen: 53.050 ng

RT: 11.204 min Scan# 1549

Delta R.T. -0.000 min

Lab File: BF141905.D

Acq: 10 Mar 2025 15:20

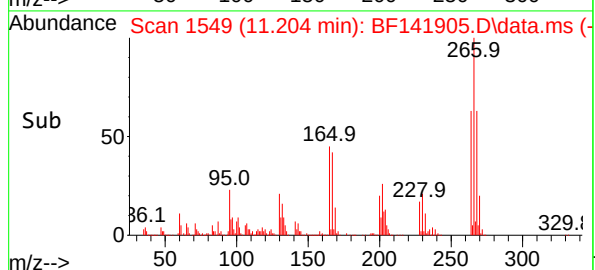
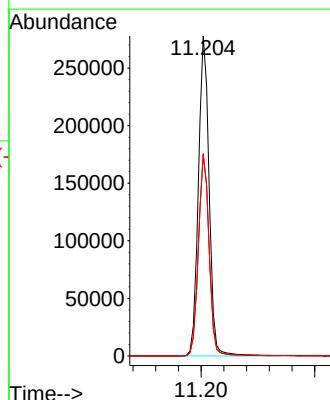
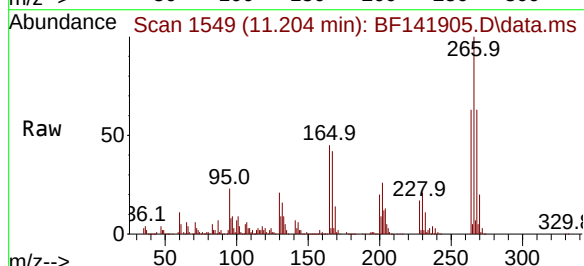
Tgt Ion:266 Resp: 365292

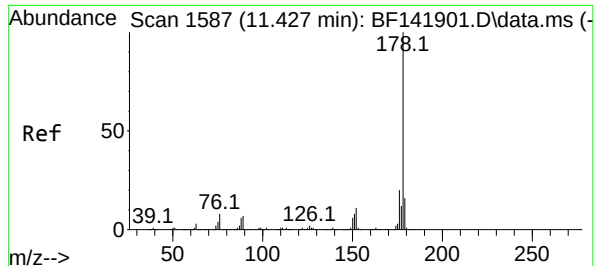
Ion Ratio Lower Upper

266 100

268 62.9 51.0 76.6

264 63.3 50.2 75.2

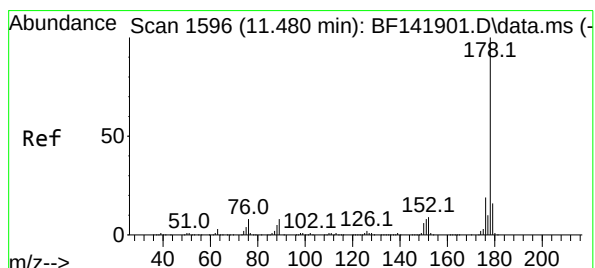
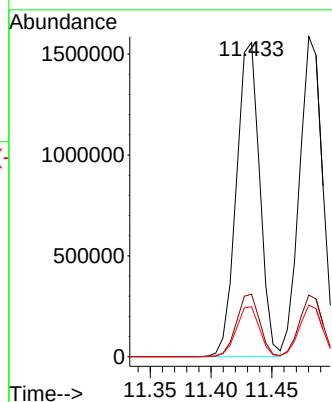
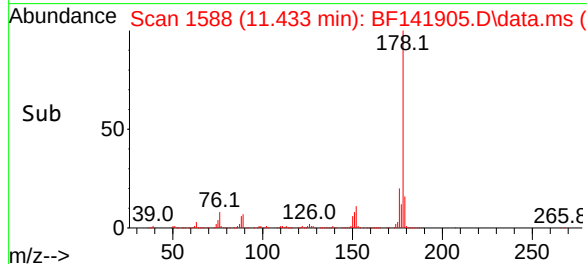
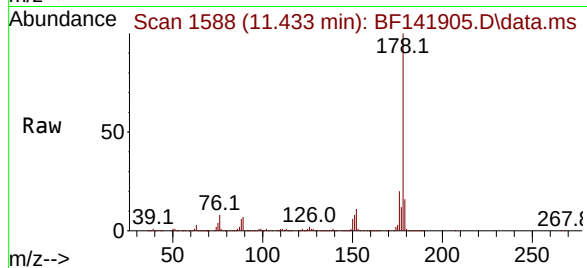




#71
Phenanthrene
Concen: 47.434 ng
RT: 11.433 min Scan# 1587
Delta R.T. 0.006 min
Lab File: BF141905.D
Acq: 10 Mar 2025 15:20

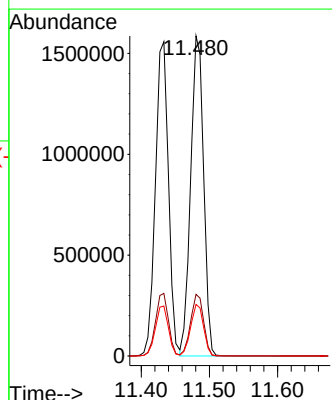
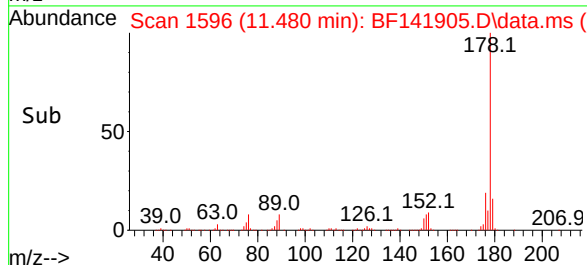
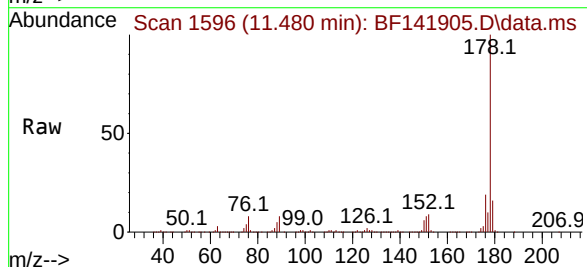
Instrument :
BNA_F
ClientSampleId :
SSTDICC050

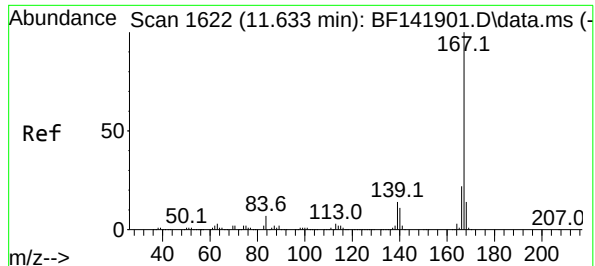
Tgt Ion:178 Resp: 2080633
Ion Ratio Lower Upper
178 100
176 19.9 15.8 23.8
179 15.9 12.6 19.0



#72
Anthracene
Concen: 47.299 ng
RT: 11.480 min Scan# 1596
Delta R.T. -0.000 min
Lab File: BF141905.D
Acq: 10 Mar 2025 15:20

Tgt Ion:178 Resp: 2081490
Ion Ratio Lower Upper
178 100
176 19.3 15.1 22.7
179 16.1 12.6 19.0

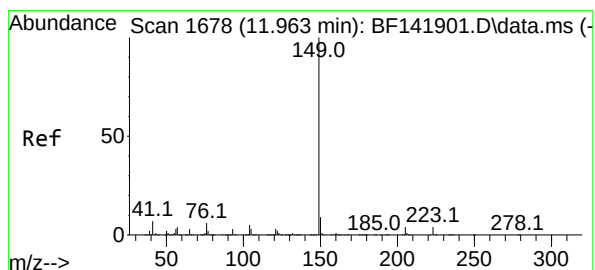
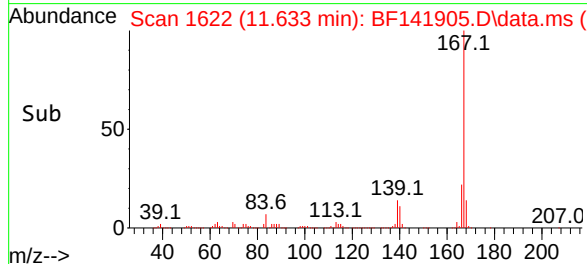
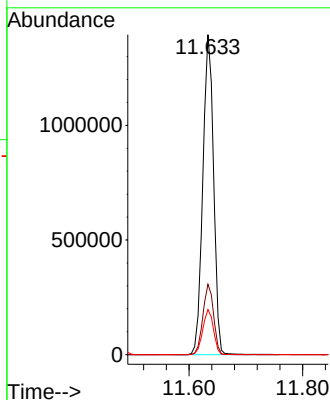
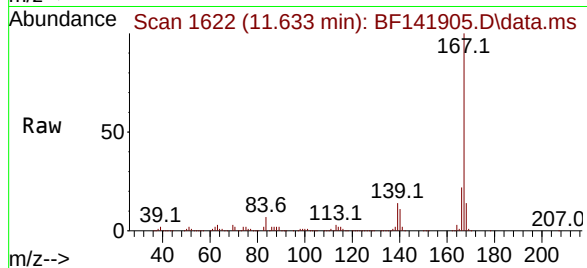




#73
Carbazole
Concen: 48.338 ng
RT: 11.633 min Scan# 1622
Delta R.T. 0.000 min
Lab File: BF141905.D
Acq: 10 Mar 2025 15:20

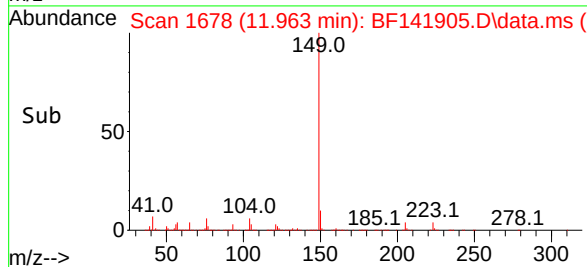
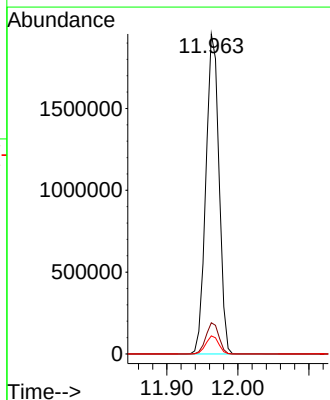
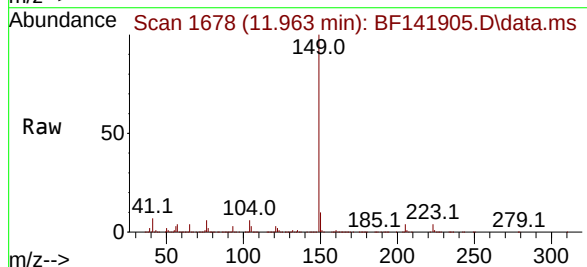
Instrument :
BNA_F
ClientSampleId :
SSTDICC050

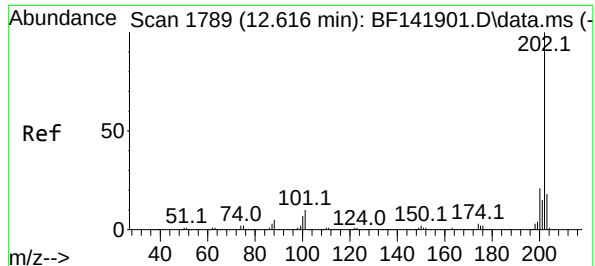
Tgt Ion:167 Resp: 1831424
Ion Ratio Lower Upper
167 100
166 22.0 17.4 26.2
139 14.1 11.0 16.6



#74
Di-n-butylphthalate
Concen: 50.185 ng
RT: 11.963 min Scan# 1678
Delta R.T. -0.000 min
Lab File: BF141905.D
Acq: 10 Mar 2025 15:20

Tgt Ion:149 Resp: 2510447
Ion Ratio Lower Upper
149 100
150 9.8 7.6 11.4
104 5.6 4.4 6.6

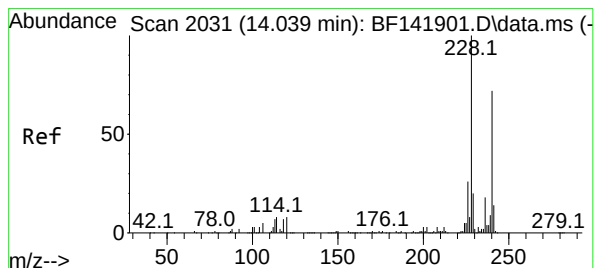
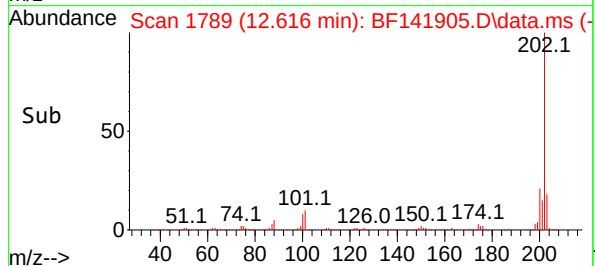
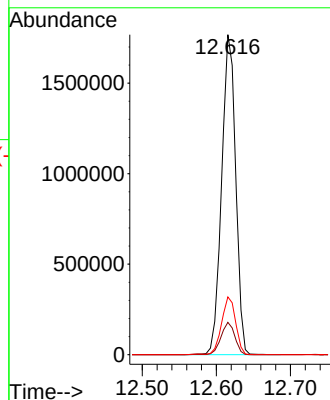
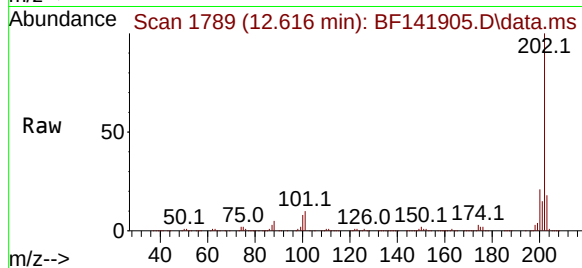




#75
Fluoranthene
Concen: 50.564 ng
RT: 12.616 min Scan# 1789
Delta R.T. -0.000 min
Lab File: BF141905.D
Acq: 10 Mar 2025 15:20

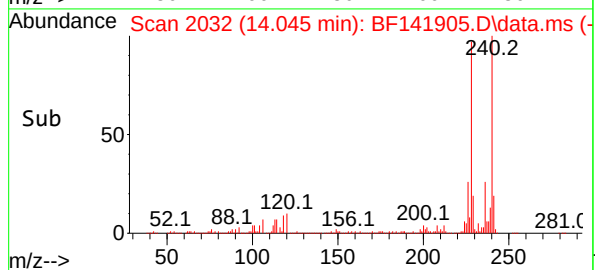
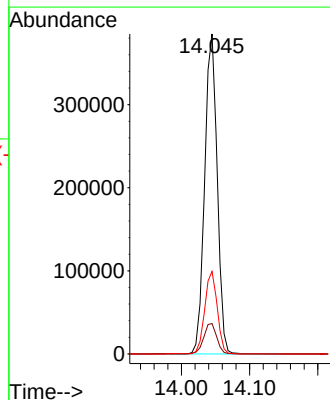
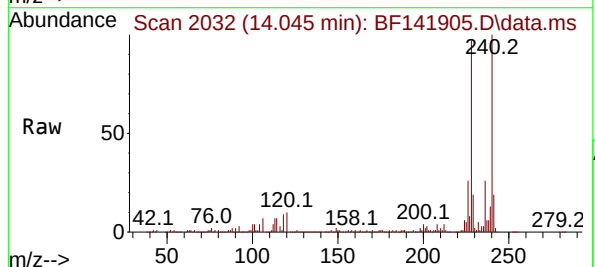
Instrument :
BNA_F
ClientSampleId :
SSTDICC050

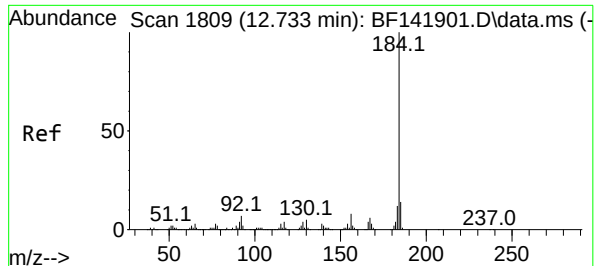
Tgt Ion:202 Resp: 2328357
Ion Ratio Lower Upper
202 100
101 10.1 0.0 29.7
203 18.1 0.0 37.8



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.045 min Scan# 2032
Delta R.T. 0.006 min
Lab File: BF141905.D
Acq: 10 Mar 2025 15:20

Tgt Ion:240 Resp: 491943
Ion Ratio Lower Upper
240 100
120 9.5 8.4 12.6
236 25.8 20.5 30.7





#77

Benzidine

Concen: 38.966 ng

RT: 12.733 min Scan# 1809

Delta R.T. -0.000 min

Lab File: BF141905.D

Acq: 10 Mar 2025 15:20

Instrument :

BNA_F

ClientSampleId :

SSTDICC050

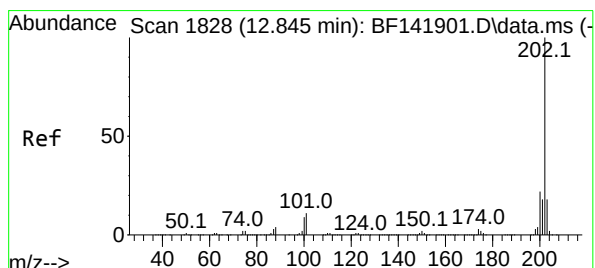
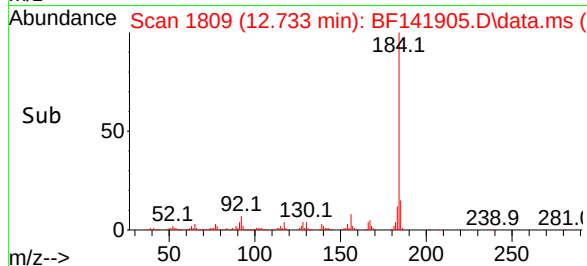
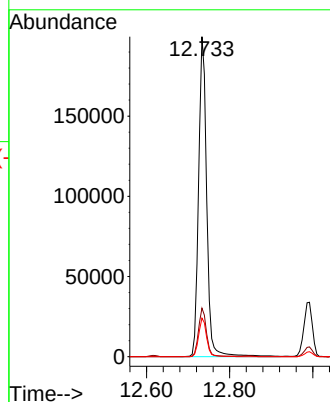
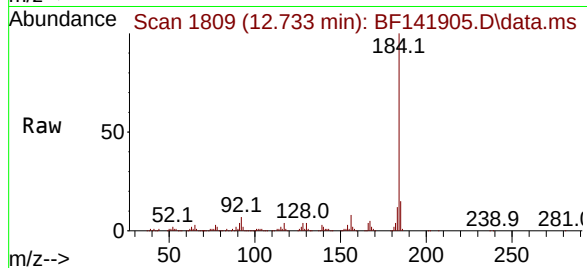
Tgt Ion:184 Resp: 270893

Ion Ratio Lower Upper

184 100

185 15.1 11.5 17.3

183 12.0 9.7 14.5



#78

Pyrene

Concen: 54.723 ng

RT: 12.845 min Scan# 1828

Delta R.T. -0.000 min

Lab File: BF141905.D

Acq: 10 Mar 2025 15:20

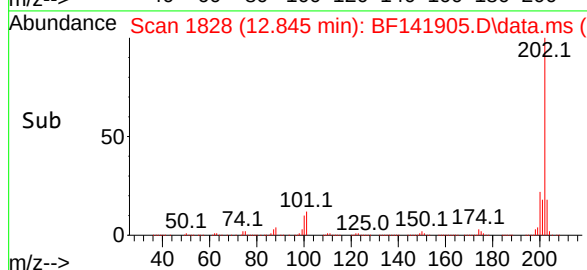
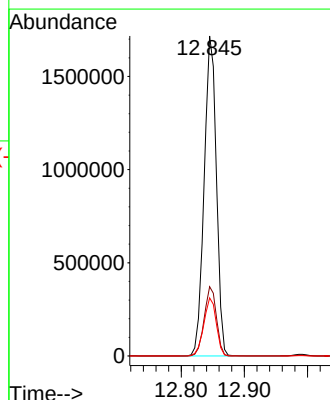
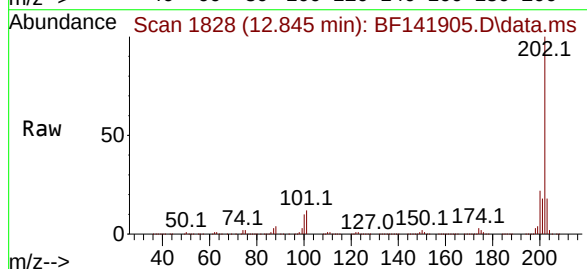
Tgt Ion:202 Resp: 2308671

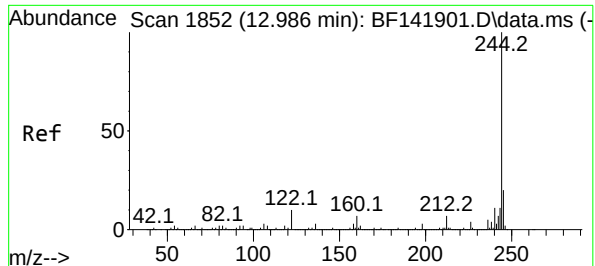
Ion Ratio Lower Upper

202 100

200 21.6 17.3 25.9

203 18.2 14.4 21.6





#79

Terphenyl-d14

Concen: 102.007 ng

RT: 12.992 min Scan# 1853

Delta R.T. 0.006 min

Lab File: BF141905.D

Acq: 10 Mar 2025 15:20

Instrument :

BNA_F

ClientSampleId :

SSTDICC050

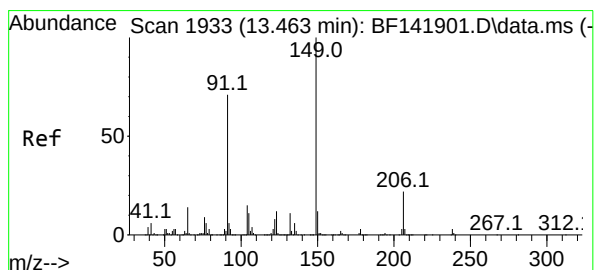
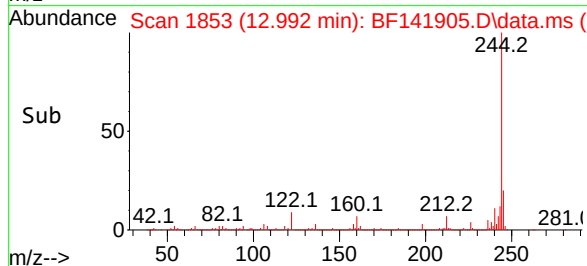
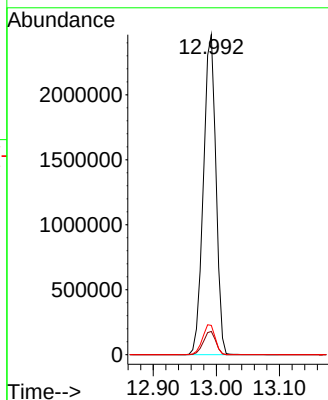
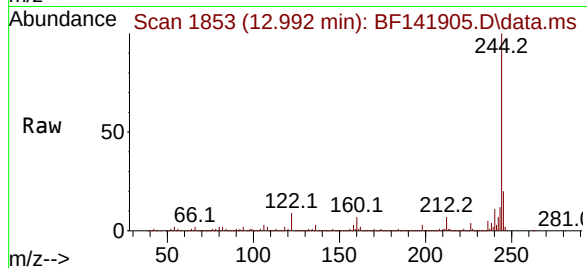
Tgt Ion:244 Resp: 3394803

Ion Ratio Lower Upper

244 100

212 7.3 6.0 9.0

122 9.2 7.7 11.5



#80

Butylbenzylphthalate

Concen: 52.022 ng

RT: 13.463 min Scan# 1933

Delta R.T. -0.000 min

Lab File: BF141905.D

Acq: 10 Mar 2025 15:20

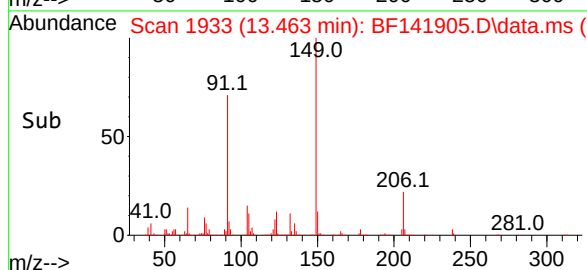
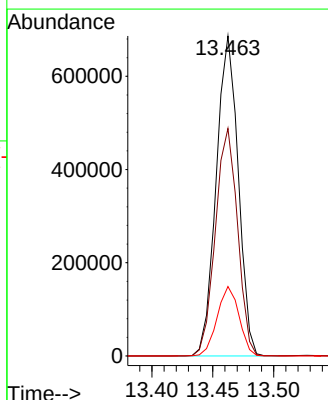
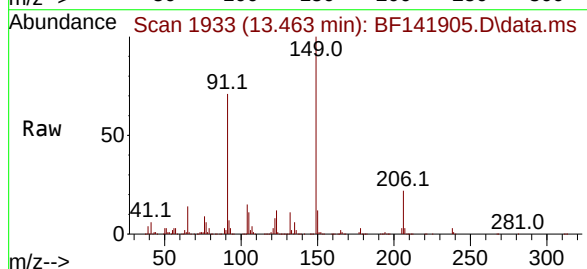
Tgt Ion:149 Resp: 864849

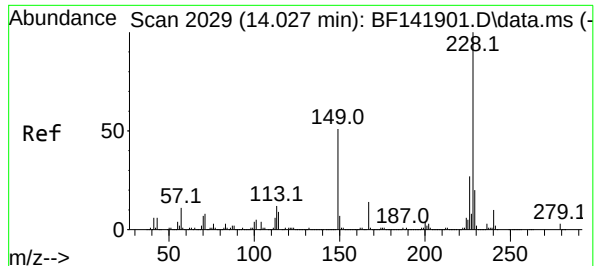
Ion Ratio Lower Upper

149 100

91 71.1 56.5 84.7

206 21.7 17.3 25.9

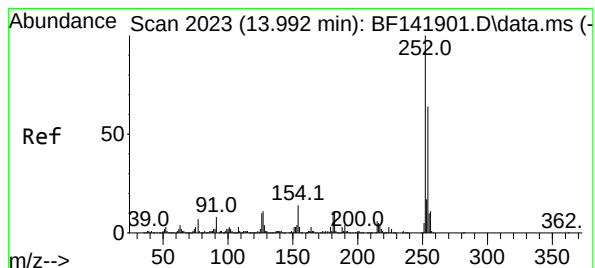
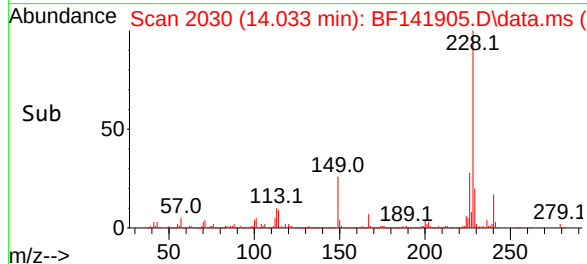
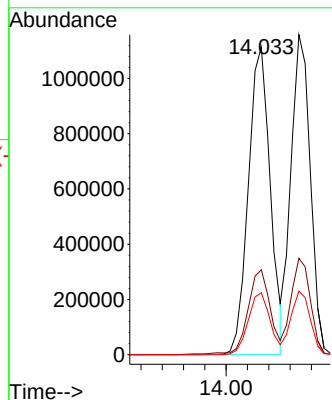
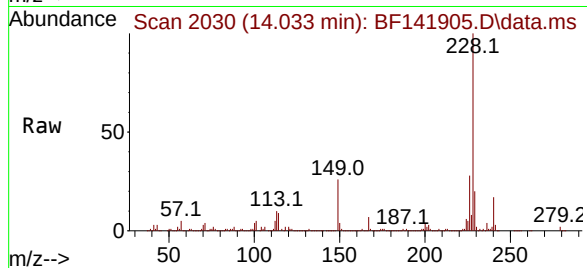




#81
Benzo(a)anthracene
Concen: 49.192 ng
RT: 14.033 min Scan# 2029
Delta R.T. 0.006 min
Lab File: BF141905.D
Acq: 10 Mar 2025 15:20

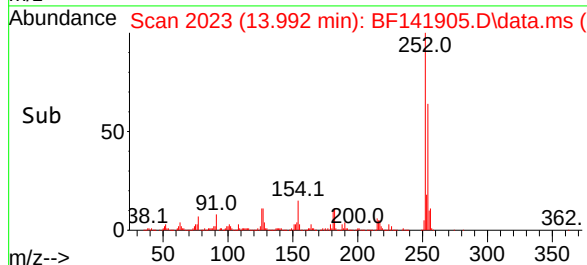
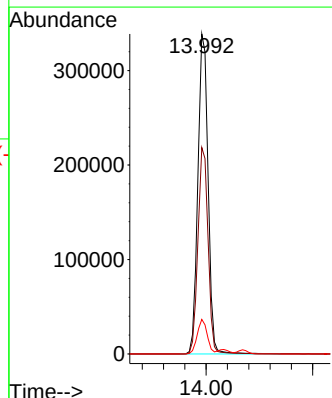
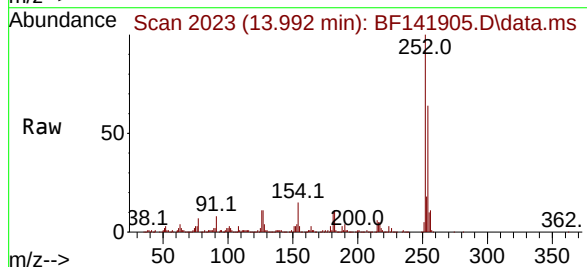
Instrument :
BNA_F
ClientSampleId :
SSTDICC050

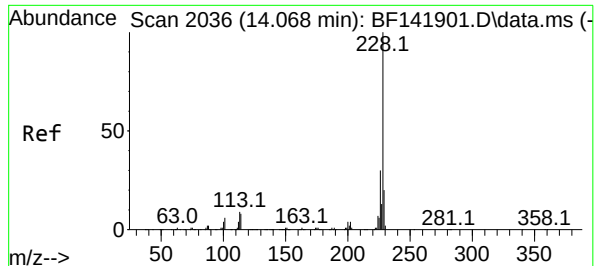
Tgt Ion:228 Resp: 1592035
Ion Ratio Lower Upper
228 100
226 27.6 21.8 32.8
229 20.1 16.0 24.0



#82
3,3'-Dichlorobenzidine
Concen: 48.044 ng
RT: 13.992 min Scan# 2023
Delta R.T. -0.000 min
Lab File: BF141905.D
Acq: 10 Mar 2025 15:20

Tgt Ion:252 Resp: 449408
Ion Ratio Lower Upper
252 100
254 64.5 51.0 76.6
126 10.8 8.4 12.6





#83

Chrysene

Concen: 50.404 ng

RT: 14.068 min Scan# 2036

Delta R.T. -0.000 min

Lab File: BF141905.D

Acq: 10 Mar 2025 15:20

Instrument :

BNA_F

ClientSampleId :

SSTDIC050

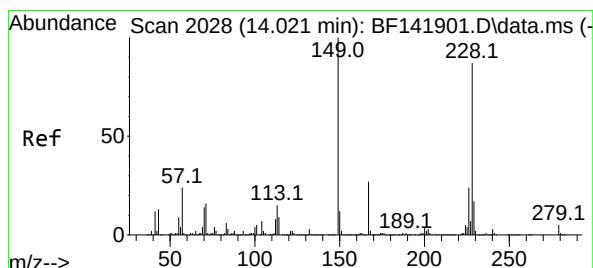
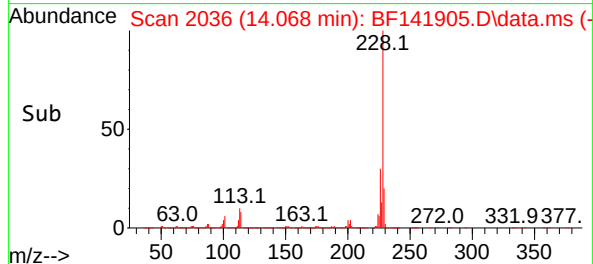
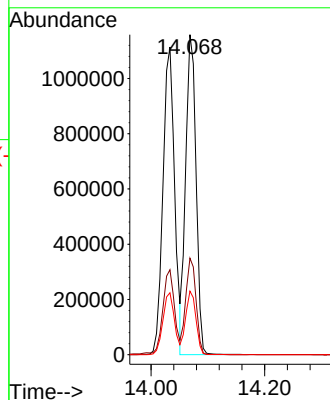
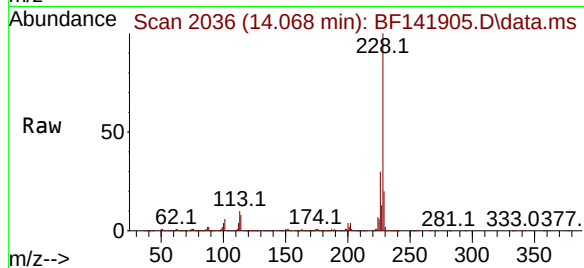
Tgt Ion:228 Resp: 1465389

Ion Ratio Lower Upper

228 100

226 30.2 24.1 36.1

229 19.9 15.7 23.5



#84

Bis(2-ethylhexyl)phthalate

Concen: 52.747 ng

RT: 14.021 min Scan# 2028

Delta R.T. -0.000 min

Lab File: BF141905.D

Acq: 10 Mar 2025 15:20

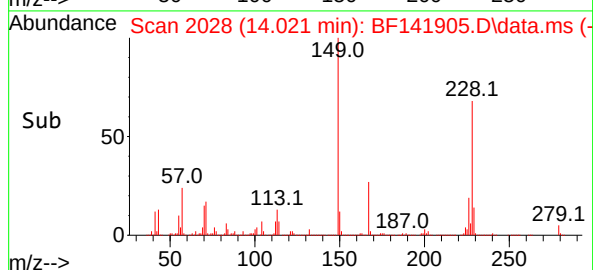
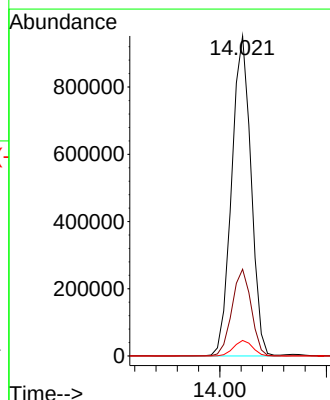
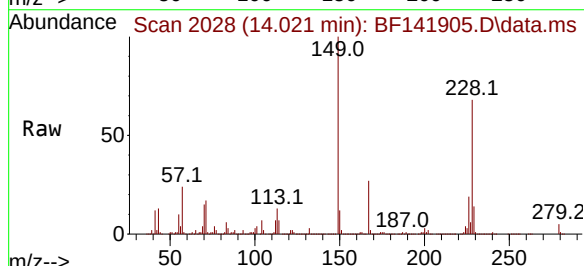
Tgt Ion:149 Resp: 1203021

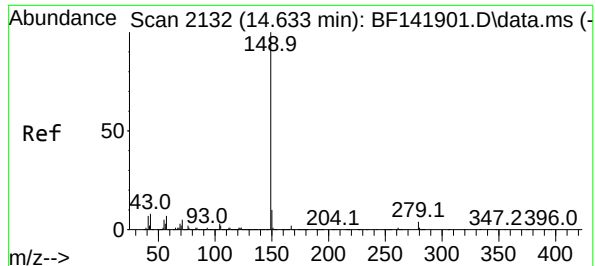
Ion Ratio Lower Upper

149 100

167 27.1 21.4 32.0

279 4.9 3.8 5.6

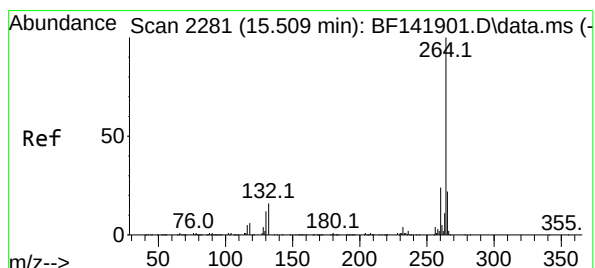
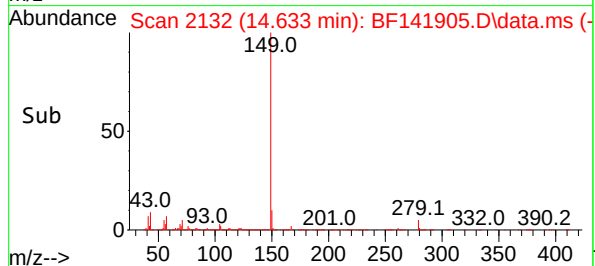
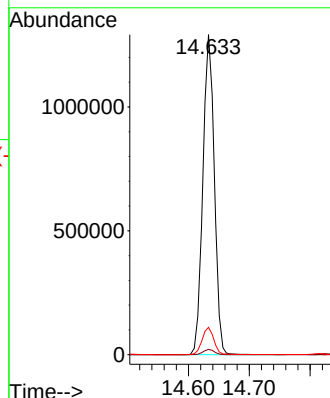
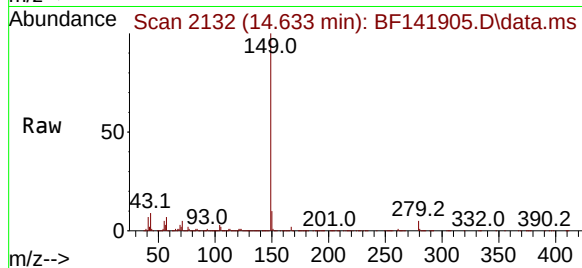




#85
Di-n-octyl phthalate
Concen: 53.307 ng
RT: 14.633 min Scan# 2132
Delta R.T. -0.000 min
Lab File: BF141905.D
Acq: 10 Mar 2025 15:20

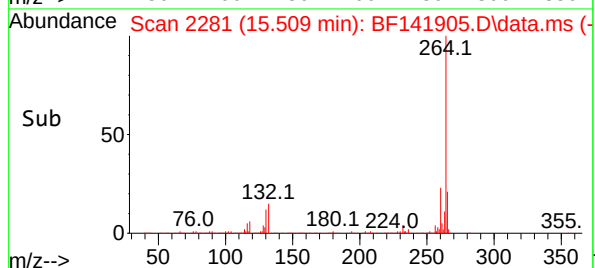
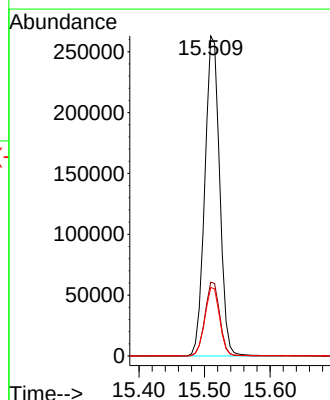
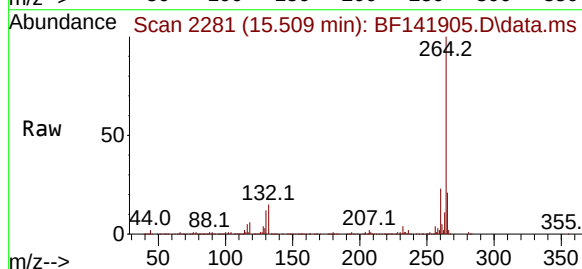
Instrument :
BNA_F
ClientSampleId :
SSTDICC050

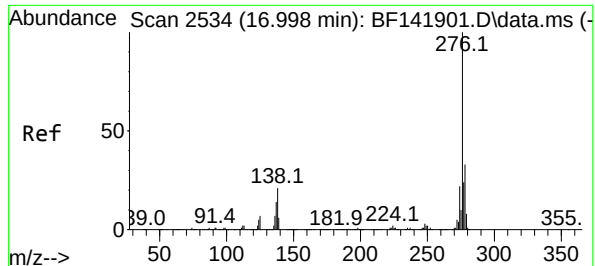
Tgt Ion:149 Resp: 1692206
Ion Ratio Lower Upper
149 100
167 1.6 1.3 1.9
43 8.7 6.9 10.3



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.509 min Scan# 2281
Delta R.T. -0.000 min
Lab File: BF141905.D
Acq: 10 Mar 2025 15:20

Tgt Ion:264 Resp: 413564
Ion Ratio Lower Upper
264 100
260 23.1 19.1 28.7
265 21.4 17.5 26.3

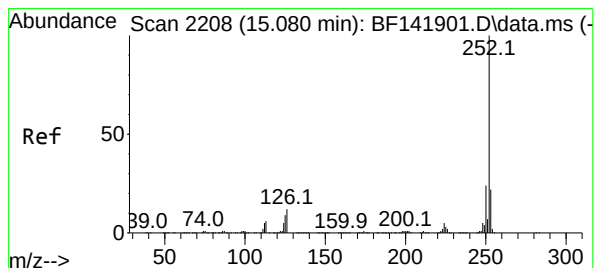
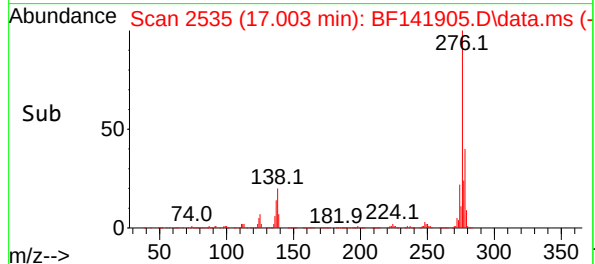
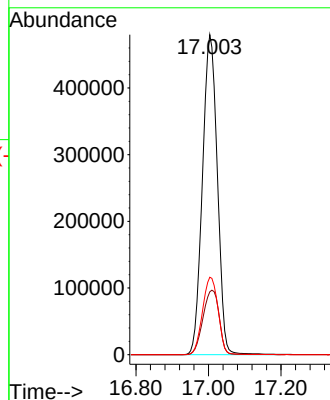
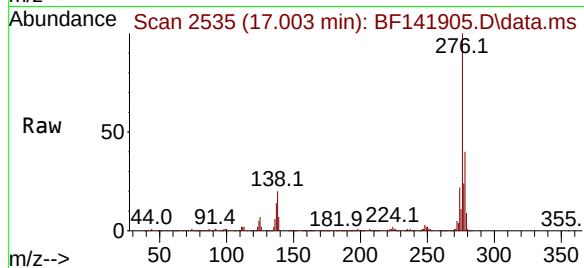




#87
Indeno(1,2,3-cd)pyrene
Concen: 50.969 ng
RT: 17.003 min Scan# 21
Delta R.T. 0.006 min
Lab File: BF141905.D
Acq: 10 Mar 2025 15:20

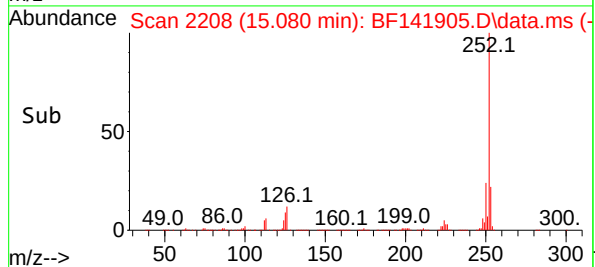
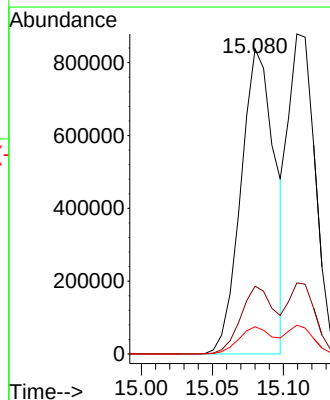
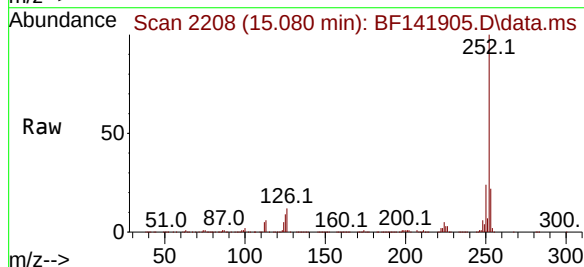
Instrument :
BNA_F
ClientSampleId :
SSTDICC050

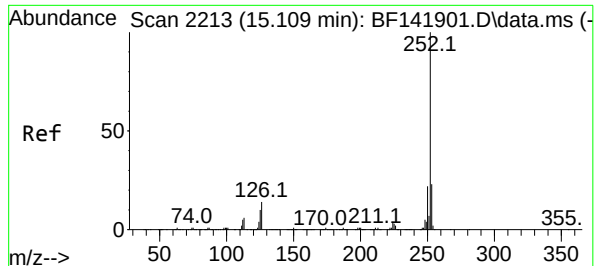
Tgt Ion:276 Resp: 1366974
Ion Ratio Lower Upper
276 100
138 21.9 18.4 27.6
277 25.3 20.3 30.5



#88
Benzo(b)fluoranthene
Concen: 49.625 ng
RT: 15.080 min Scan# 2208
Delta R.T. -0.000 min
Lab File: BF141905.D
Acq: 10 Mar 2025 15:20

Tgt Ion:252 Resp: 1392083
Ion Ratio Lower Upper
252 100
253 22.2 17.5 26.3
125 8.9 7.0 10.4





#89

Benzo(k)fluoranthene

Concen: 47.638 ng

RT: 15.109 min Scan# 2213

Delta R.T. -0.000 min

Lab File: BF141905.D

Acq: 10 Mar 2025 15:20

Instrument :

BNA_F

ClientSampleId :

SSTDICC050

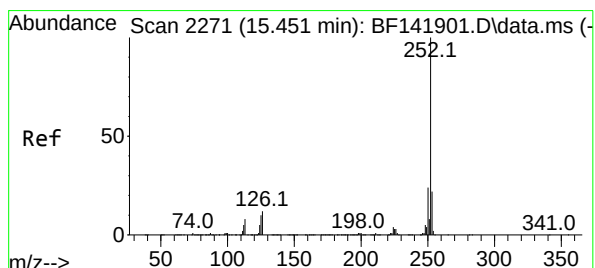
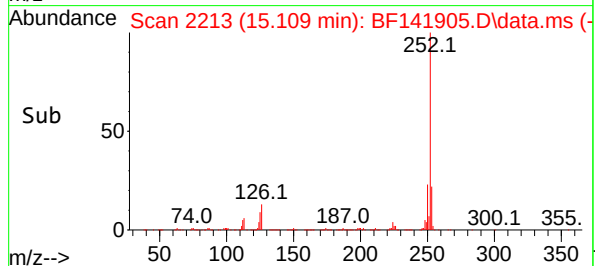
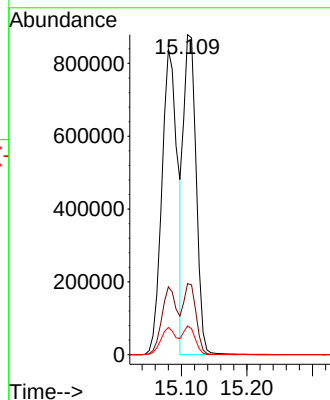
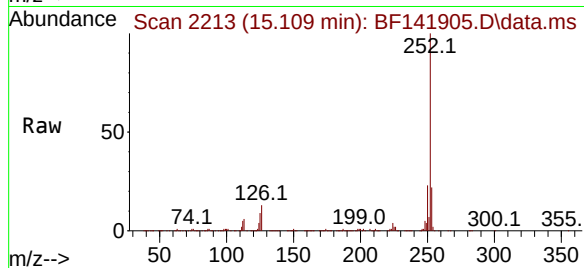
Tgt Ion:252 Resp: 1167351

Ion Ratio Lower Upper

252 100

253 22.2 17.7 26.5

125 9.0 7.2 10.8



#90

Benzo(a)pyrene

Concen: 50.591 ng

RT: 15.451 min Scan# 2271

Delta R.T. -0.000 min

Lab File: BF141905.D

Acq: 10 Mar 2025 15:20

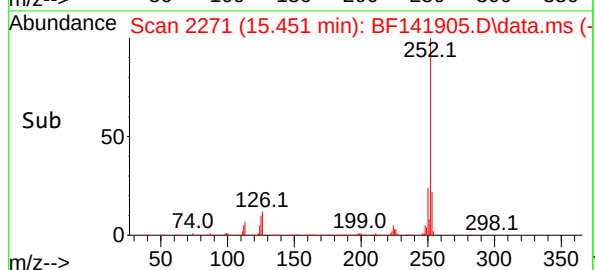
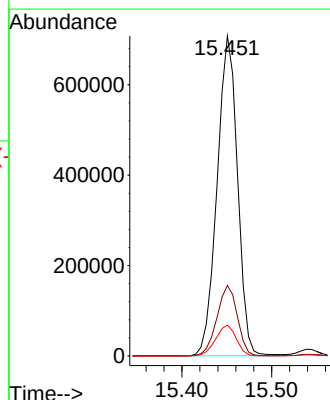
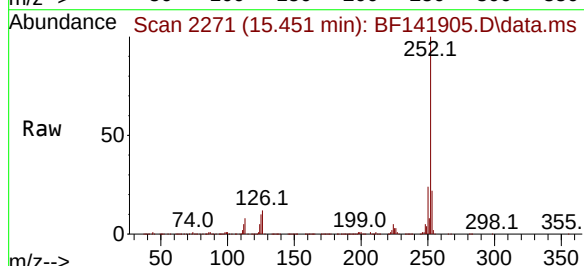
Tgt Ion:252 Resp: 1119256

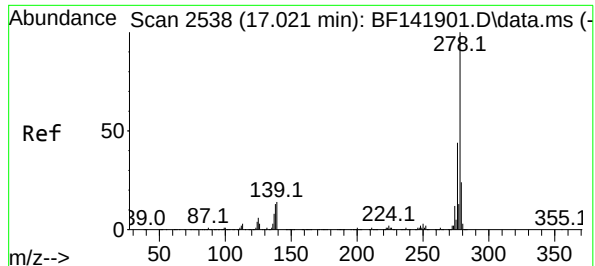
Ion Ratio Lower Upper

252 100

253 22.0 17.4 26.0

125 9.6 7.8 11.8





#91

Dibenzo(a,h)anthracene

Concen: 51.149 ng

RT: 17.021 min Scan# 21

Delta R.T. -0.000 min

Lab File: BF141905.D

Acq: 10 Mar 2025 15:20

Instrument :

BNA_F

ClientSampleId :

SSTDICC050

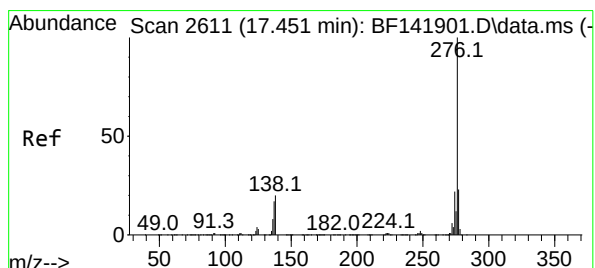
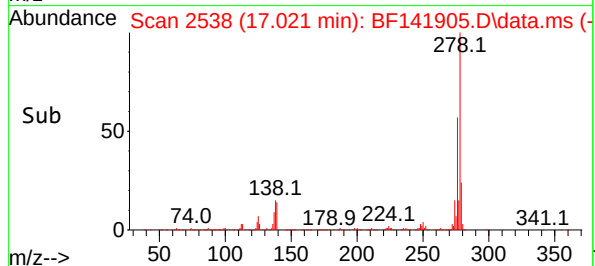
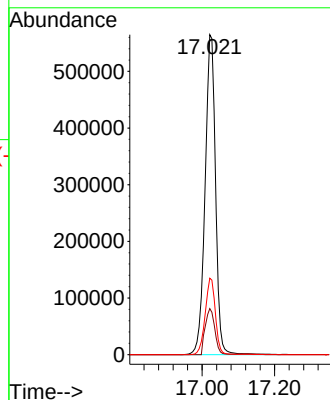
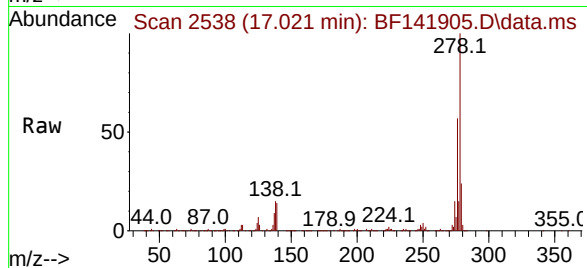
Tgt Ion:278 Resp: 1131875

Ion Ratio Lower Upper

278 100

139 14.4 11.4 17.2

279 23.9 18.8 28.2



#92

Benzo(g,h,i)perylene

Concen: 50.106 ng

RT: 17.456 min Scan# 2612

Delta R.T. 0.006 min

Lab File: BF141905.D

Acq: 10 Mar 2025 15:20

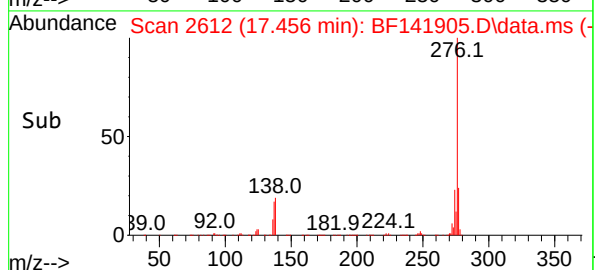
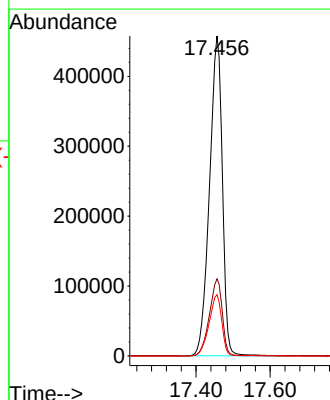
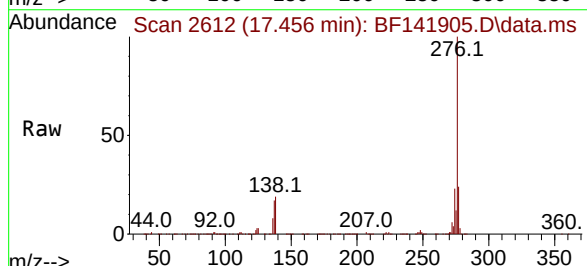
Tgt Ion:276 Resp: 1099760

Ion Ratio Lower Upper

276 100

277 24.1 18.7 28.1

138 19.2 15.8 23.8



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF031025\
 Data File : BF141906.D
 Acq On : 10 Mar 2025 15:53
 Operator : RC/JU
 Sample : SSTDICV040
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 ICVBF031025

Quant Time: Mar 10 16:15:33 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF031025.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Mar 10 15:46:22 2025
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.881	152	209747	20.000	ng	0.00
21) Naphthalene-d8	8.163	136	840616	20.000	ng	0.00
39) Acenaphthene-d10	9.922	164	483165	20.000	ng	0.00
64) Phenanthrene-d10	11.404	188	813672	20.000	ng	0.00
76) Chrysene-d12	14.039	240	523890	20.000	ng	0.00
86) Perylene-d12	15.510	264	426422	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.493	112	965473	76.823	ng	0.00
7) Phenol-d6	6.504	99	1231487	76.962	ng	0.00
23) Nitrobenzene-d5	7.445	82	1179480	78.962	ng	0.00
42) 2,4,6-Tribromophenol	10.710	330	486334	79.342	ng	0.00
45) 2-Fluorobiphenyl	9.239	172	2399526	75.528	ng	0.00
79) Terphenyl-d14	12.986	244	2825870	79.748	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	2.669	88	203628	38.670	ng	99
3) Pyridine	3.428	79	504398	39.050	ng	99
4) n-Nitrosodimethylamine	3.387	42	239879	38.959	ng	97
6) Aniline	6.545	93	614962	38.958	ng	98
8) 2-Chlorophenol	6.669	128	539701	38.721	ng	99
9) Benzaldehyde	6.434	77	339615	37.950	ng	99
10) Phenol	6.516	94	658449	39.115	ng	97
11) bis(2-Chloroethyl)ether	6.616	93	483438	38.246	ng	99
12) 1,3-Dichlorobenzene	6.822	146	577700	38.391	ng	100
13) 1,4-Dichlorobenzene	6.898	146	584132	38.366	ng	99
14) 1,2-Dichlorobenzene	7.051	146	555621	38.744	ng	100
15) Benzyl Alcohol	7.022	79	509792	39.408	ng	98
16) 2,2'-oxybis(1-Chloropr...	7.157	45	569783	37.338	ng	100
17) 2-Methylphenol	7.128	107	429715	38.775	ng	99
18) Hexachloroethane	7.392	117	221507	38.797	ng	100
19) n-Nitroso-di-n-propyla...	7.298	70	391096	38.038	ng	100
20) 3+4-Methylphenols	7.281	107	548208	38.619	ng	99
22) Acetophenone	7.292	105	757917	37.650	ng	98
24) Nitrobenzene	7.463	77	578836	38.980	ng	99
25) Isophorone	7.704	82	1007659	38.163	ng	100
26) 2-Nitrophenol	7.775	139	294657	40.429	ng	96
27) 2,4-Dimethylphenol	7.810	122	385504	38.414	ng	99
28) bis(2-Chloroethoxy)met...	7.910	93	628379	37.943	ng	100
29) 2,4-Dichlorophenol	8.016	162	485205	38.952	ng	99
30) 1,2,4-Trichlorobenzene	8.104	180	526250	38.336	ng	100
31) Naphthalene	8.187	128	1633401	37.827	ng	100
32) Benzoic acid	7.928	122	373179	42.303	ng	99
33) 4-Chloroaniline	8.228	127	592172	38.847	ng	99
34) Hexachlorobutadiene	8.304	225	347789	38.849	ng	99
35) Caprolactam	8.604	113	141562	37.276	ng	98
36) 4-Chloro-3-methylphenol	8.704	107	535661	38.550	ng	99
37) 2-Methylnaphthalene	8.875	142	1094895	37.935	ng	100
38) 1-Methylnaphthalene	8.975	142	1071850	38.484	ng	100
40) 1,2,4,5-Tetrachloroben...	9.039	216	561804	38.191	ng	99
41) Hexachlorocyclopentadiene	9.028	237	220386	38.281	ng	98
43) 2,4,6-Trichlorophenol	9.151	196	377743	39.292	ng	100

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF031025\
 Data File : BF141906.D
 Acq On : 10 Mar 2025 15:53
 Operator : RC/JU
 Sample : SSTDICV040
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 ICVBF031025

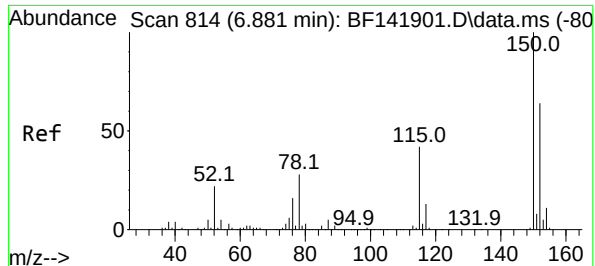
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 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF031025.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Mar 10 15:46:22 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.186	196	372564	38.263	ng	99
46) 1,1'-Biphenyl	9.339	154	1401736	38.182	ng	100
47) 2-Chloronaphthalene	9.363	162	1042241	38.090	ng	99
48) 2-Nitroaniline	9.457	65	308259	38.908	ng	99
49) Acenaphthylene	9.781	152	1531852	37.725	ng	100
50) Dimethylphthalate	9.639	163	1272572	37.611	ng	100
51) 2,6-Dinitrotoluene	9.698	165	274531	38.970	ng	99
52) Acenaphthene	9.951	154	1095922	38.405	ng	100
53) 3-Nitroaniline	9.869	138	275555	38.561	ng	99
54) 2,4-Dinitrophenol	9.969	184	142831	39.326	ng	95
55) Dibenzofuran	10.122	168	1540381	37.778	ng	100
56) 4-Nitrophenol	10.016	139	212462	39.425	ng	99
57) 2,4-Dinitrotoluene	10.104	165	361518	39.291	ng	99
58) Fluorene	10.469	166	1175392	37.381	ng	100
59) 2,3,4,6-Tetrachlorophenol	10.239	232	346168	39.070	ng	99
60) Diethylphthalate	10.339	149	1293401	38.337	ng	100
61) 4-Chlorophenyl-phenyle...	10.457	204	627404	38.272	ng	99
62) 4-Nitroaniline	10.480	138	270993	38.953	ng	99
63) Azobenzene	10.622	77	1189121	37.911	ng	98
65) 4,6-Dinitro-2-methylph...	10.510	198	200888	41.415	ng	99
66) n-Nitrosodiphenylamine	10.575	169	1008029	38.283	ng	99
67) 4-Bromophenyl-phenylether	10.951	248	398683	39.015	ng	98
68) Hexachlorobenzene	11.016	284	445938	39.789	ng	96
69) Atrazine	11.098	200	257856	31.945	ng	99
70) Pentachlorophenol	11.204	266	289713	41.955	ng	100
71) Phenanthrene	11.427	178	1685770	38.357	ng	100
72) Anthracene	11.480	178	1675103	37.991	ng	100
73) Carbazole	11.633	167	1451333	38.167	ng	99
74) Di-n-butylphthalate	11.963	149	1953516	38.717	ng	100
75) Fluoranthene	12.616	202	1750317	37.545	ng	100
77) Benzidine	12.733	184	420377	57.513	ng	100
78) Pyrene	12.845	202	1746456	38.539	ng	100
80) Butylbenzylphthalate	13.463	149	723288	40.778	ng	99
81) Benzo(a)anthracene	14.027	228	1347977	39.211	ng	100
82) 3,3'-Dichlorobenzidine	13.992	252	380866	38.337	ng	100
83) Chrysene	14.068	228	1159074	37.195	ng	100
84) Bis(2-ethylhexyl)phtha...	14.021	149	1006170	41.142	ng	99
85) Di-n-octyl phthalate	14.633	149	1394136	40.971	ng	100
87) Indeno(1,2,3-cd)pyrene	17.004	276	1061096	38.467	ng	99
88) Benzo(b)fluoranthene	15.080	252	1166263	39.906	ng	99
89) Benzo(k)fluoranthene	15.110	252	869471	34.765	ng	100
90) Benzo(a)pyrene	15.451	252	882967	38.612	ng	99
91) Dibenzo(a,h)anthracene	17.021	278	886038	38.931	ng	99
92) Benzo(g,h,i)perylene	17.451	276	855812	38.051	ng	99

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

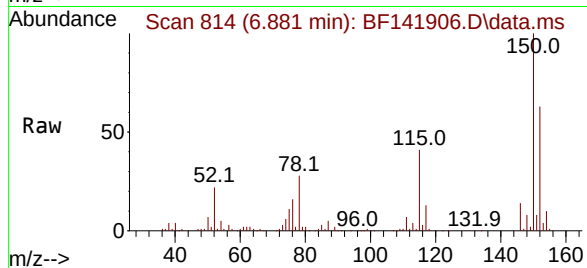
Instrument :
BNA_F
ClientSampleId :
ICVBF031025

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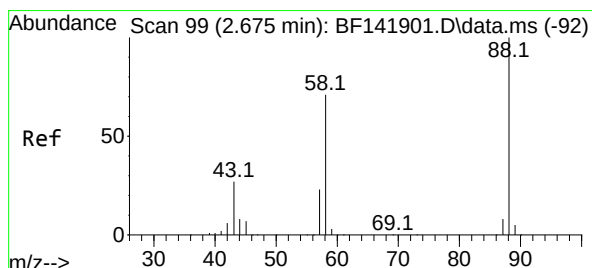
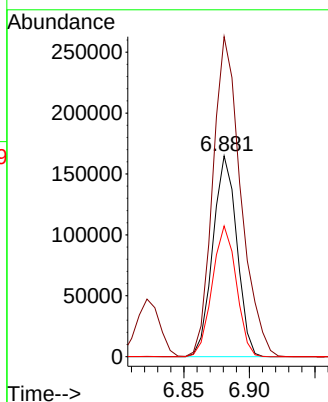
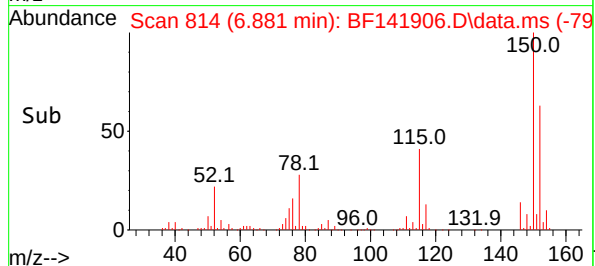


#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.881 min Scan# 814
Delta R.T. -0.000 min
Lab File: BF141906.D
Acq: 10 Mar 2025 15:53

Instrument :
BNA_F
ClientSampleId :
ICVBF031025

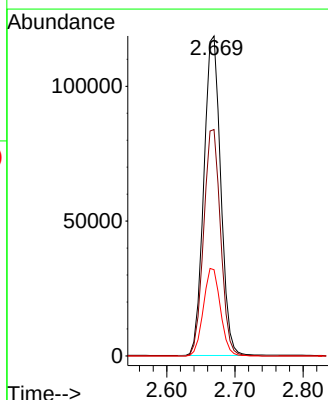
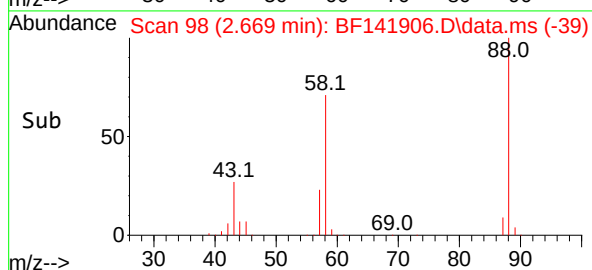
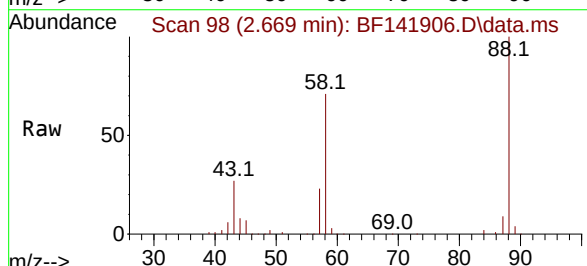


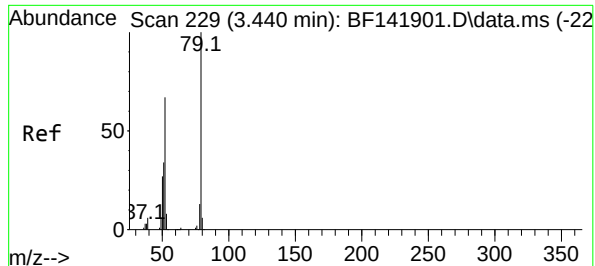
Tgt Ion:152 Resp: 209747
Ion Ratio Lower Upper
152 100
150 159.4 127.4 191.2
115 65.1 51.9 77.9



#2
1,4-Dioxane
Concen: 38.670 ng
RT: 2.669 min Scan# 98
Delta R.T. -0.006 min
Lab File: BF141906.D
Acq: 10 Mar 2025 15:53

Tgt Ion: 88 Resp: 203628
Ion Ratio Lower Upper
88 100
58 71.2 57.4 86.2
43 27.6 21.5 32.3





#3

Pyridine

Concen: 39.050 ng

RT: 3.428 min Scan# 21

Delta R.T. -0.012 min

Lab File: BF141906.D

Acq: 10 Mar 2025 15:53

Instrument :

BNA_F

ClientSampleId :

ICVBF031025

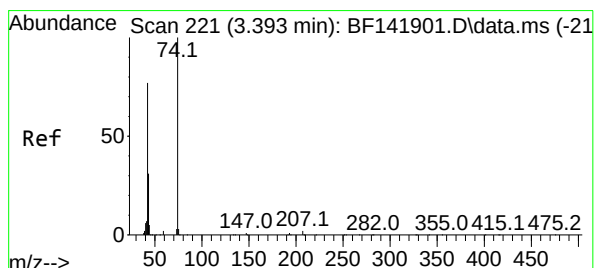
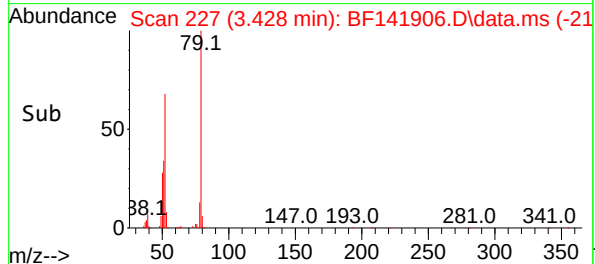
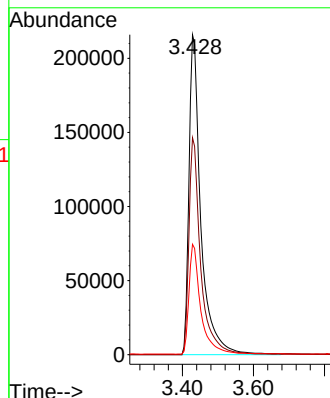
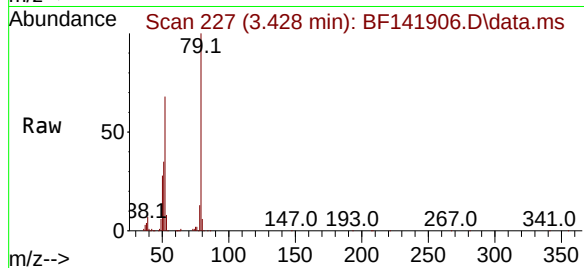
Tgt Ion: 79 Resp: 504398

Ion Ratio Lower Upper

79 100

52 67.8 53.3 79.9

51 34.5 27.6 41.4



#4

n-Nitrosodimethylamine

Concen: 38.959 ng

RT: 3.387 min Scan# 220

Delta R.T. -0.006 min

Lab File: BF141906.D

Acq: 10 Mar 2025 15:53

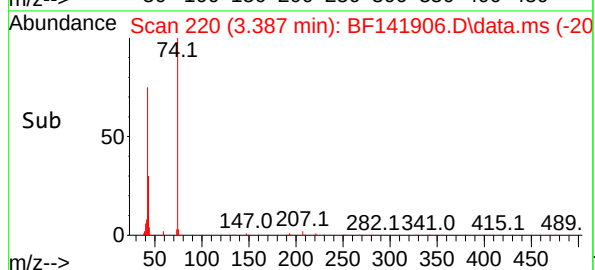
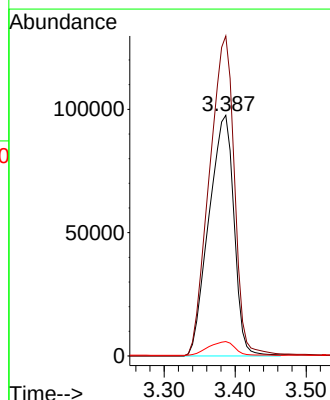
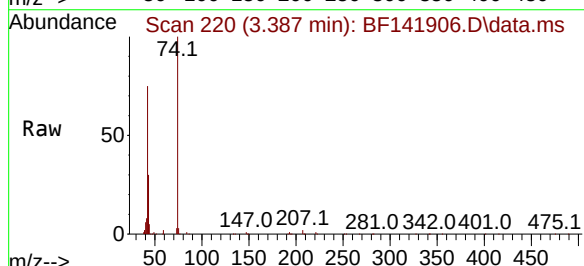
Tgt Ion: 42 Resp: 239879

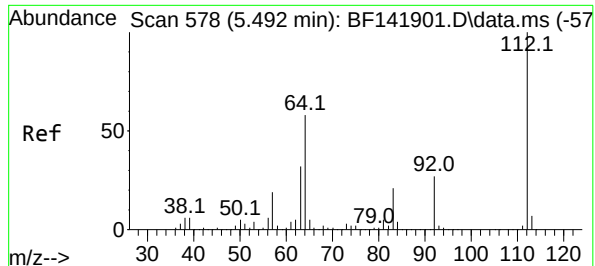
Ion Ratio Lower Upper

42 100

74 133.0 103.4 155.0

44 6.0 5.0 7.4

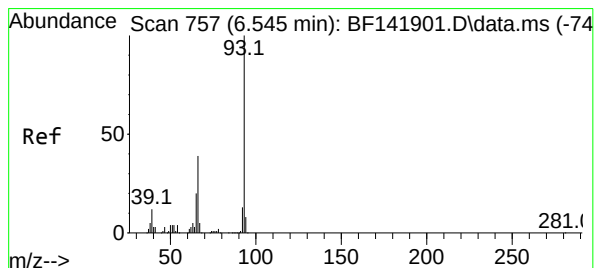
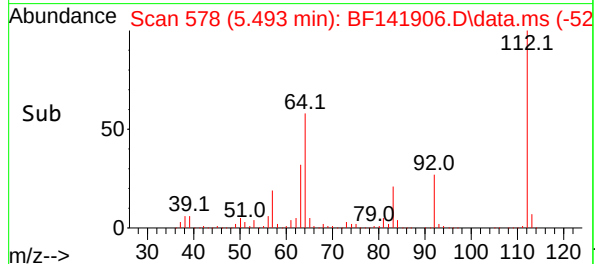
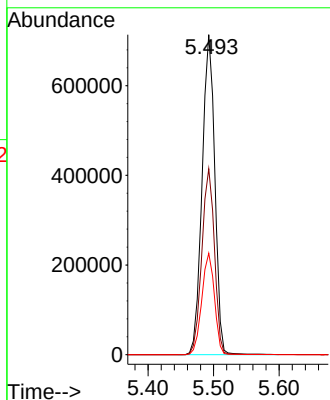
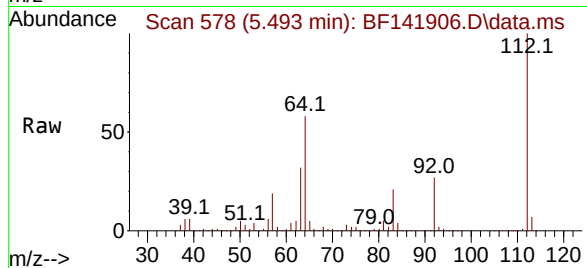




#5
2-Fluorophenol
Concen: 76.823 ng
RT: 5.493 min Scan# 51
Delta R.T. 0.000 min
Lab File: BF141906.D
Acq: 10 Mar 2025 15:53

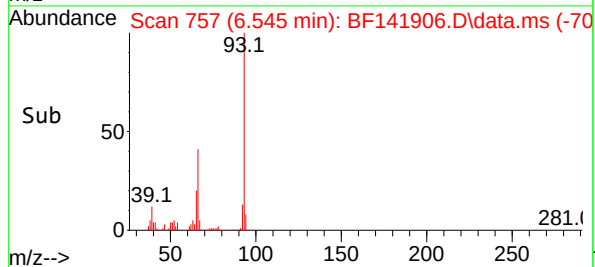
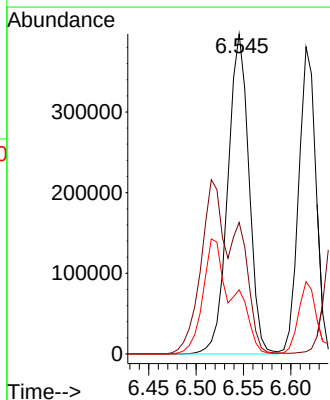
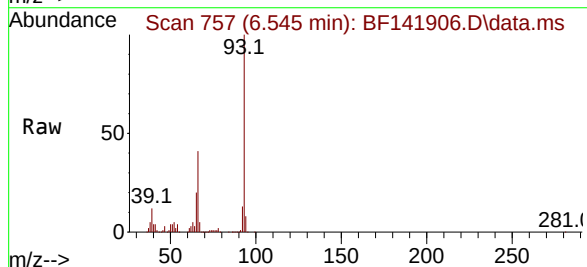
Instrument :
BNA_F
ClientSampleId :
ICVBF031025

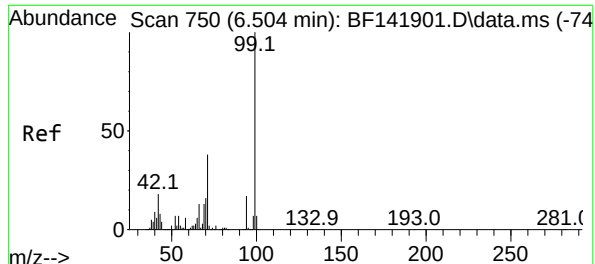
Tgt Ion:112 Resp: 965473
Ion Ratio Lower Upper
112 100
64 58.1 46.5 69.7
63 31.7 25.4 38.2



#6
Aniline
Concen: 38.958 ng
RT: 6.545 min Scan# 757
Delta R.T. 0.000 min
Lab File: BF141906.D
Acq: 10 Mar 2025 15:53

Tgt Ion: 93 Resp: 614962
Ion Ratio Lower Upper
93 100
66 41.1 31.9 47.9
65 20.0 15.8 23.6





#7

Phenol-d6

Concen: 76.962 ng

RT: 6.504 min Scan# 71

Delta R.T. 0.000 min

Lab File: BF141906.D

Acq: 10 Mar 2025 15:53

Instrument :

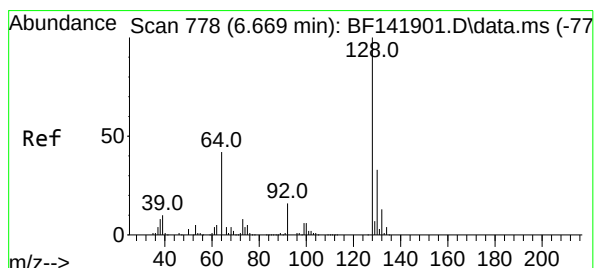
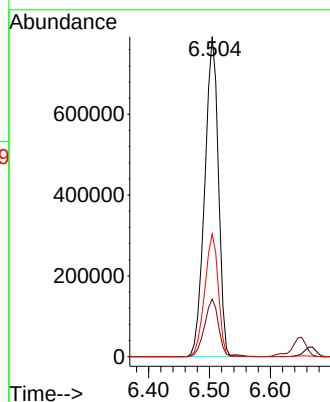
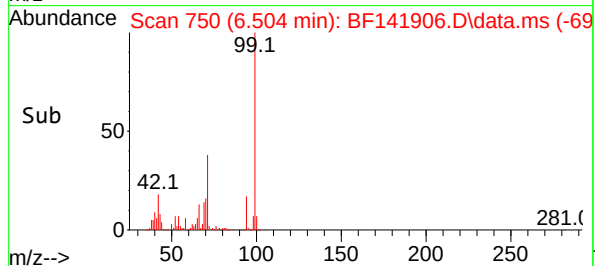
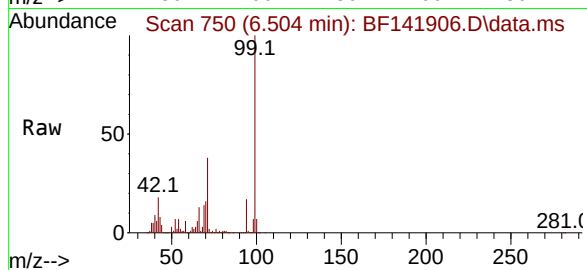
BNA_F

ClientSampleId :

ICVBF031025

Tgt Ion: 99 Resp: 1231487

Ion	Ratio	Lower	Upper
99	100		
42	18.0	14.6	21.8
71	38.3	30.8	46.2



#8

2-Chlorophenol

Concen: 38.721 ng

RT: 6.669 min Scan# 778

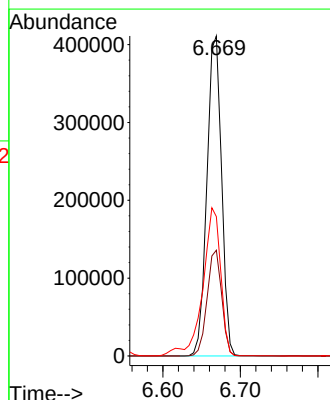
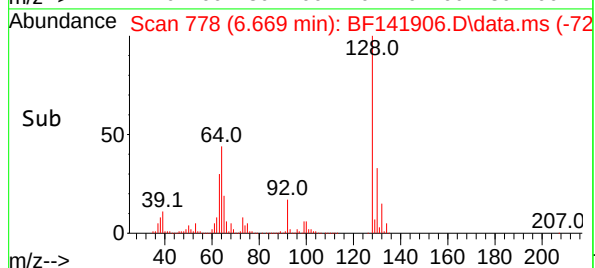
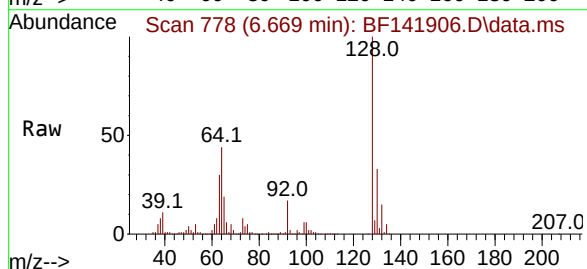
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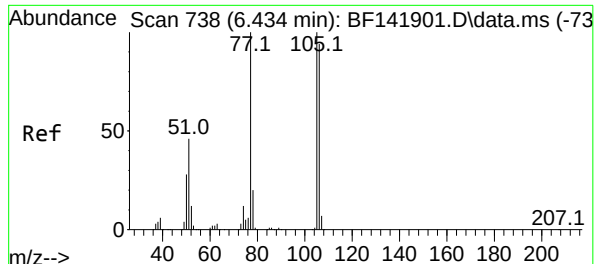
Lab File: BF141906.D

Acq: 10 Mar 2025 15:53

Tgt Ion: 128 Resp: 539701

Ion	Ratio	Lower	Upper
128	100		
130	33.0	12.8	52.8
64	43.6	24.4	64.4





#9

Benzaldehyde

Concen: 37.950 ng

RT: 6.434 min Scan# 71

Delta R.T. -0.000 min

Lab File: BF141906.D

Acq: 10 Mar 2025 15:53

Instrument :

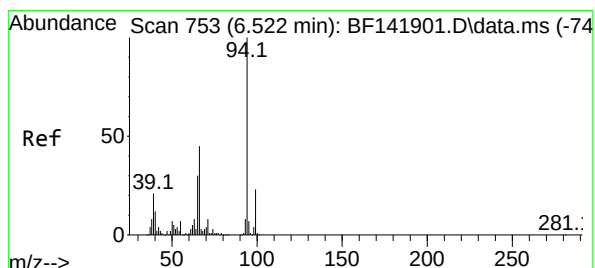
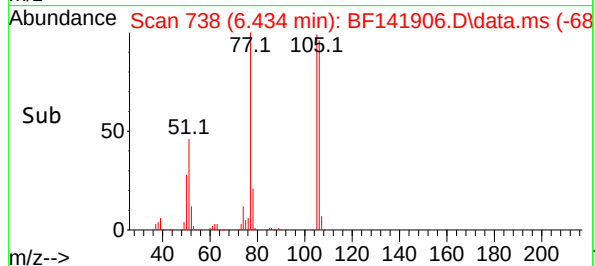
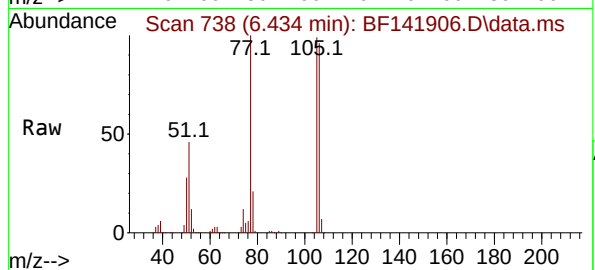
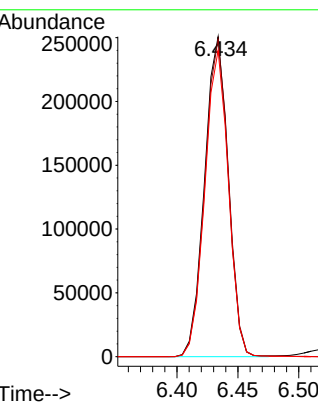
BNA_F

ClientSampleId :

ICVBF031025

Tgt Ion: 77 Resp: 339615

Ion	Ratio	Lower	Upper
77	100		
105	99.2	80.0	120.0
106	95.7	74.5	114.5



#10

Phenol

Concen: 39.115 ng

RT: 6.516 min Scan# 752

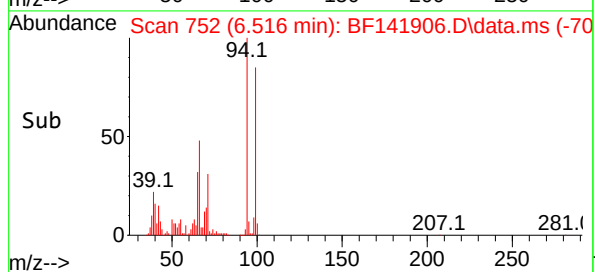
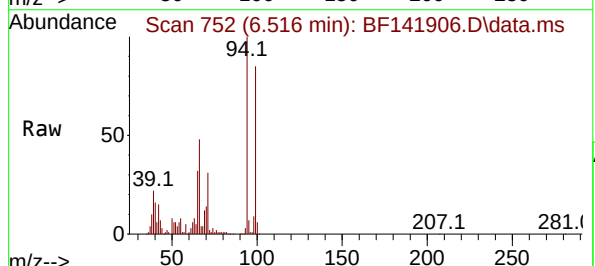
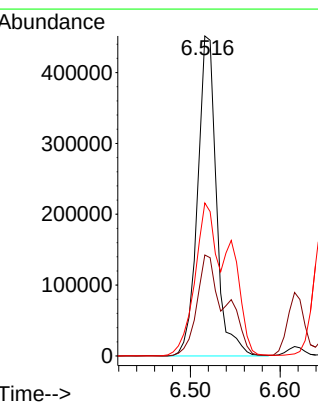
Delta R.T. -0.006 min

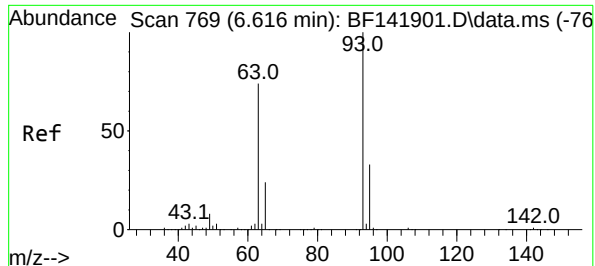
Lab File: BF141906.D

Acq: 10 Mar 2025 15:53

Tgt Ion: 94 Resp: 658449

Ion	Ratio	Lower	Upper
94	100		
65	31.6	10.5	50.5
66	47.8	25.8	65.8

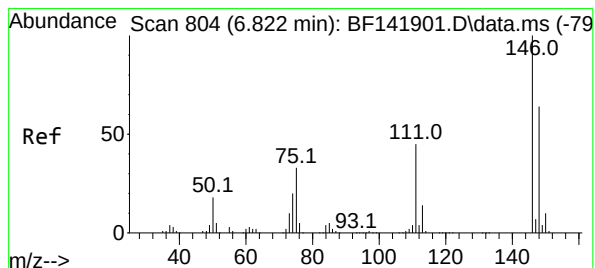
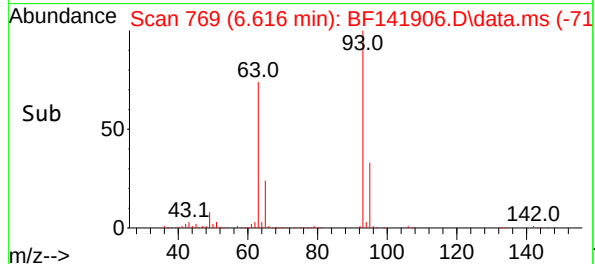
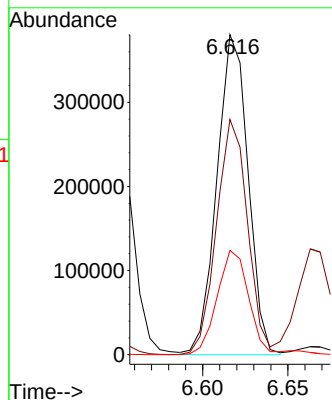
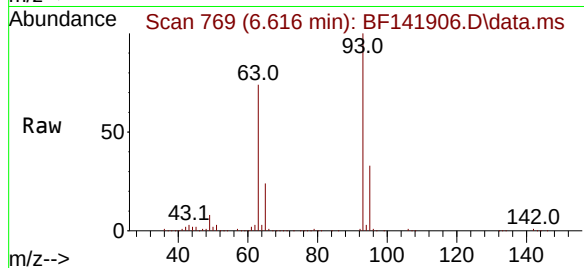




#11
bis(2-Chloroethyl)ether
Concen: 38.246 ng
RT: 6.616 min Scan# 769
Delta R.T. 0.000 min
Lab File: BF141906.D
Acq: 10 Mar 2025 15:53

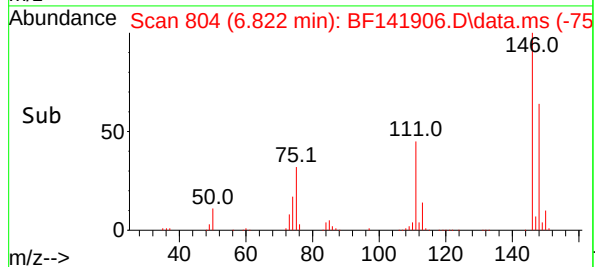
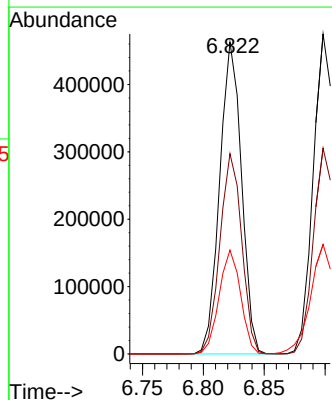
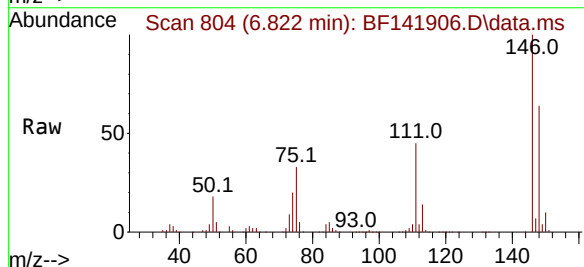
Instrument :
BNA_F
ClientSampleId :
ICVBF031025

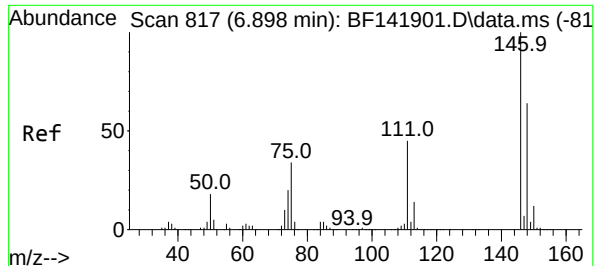
Tgt Ion: 93 Resp: 483438
Ion Ratio Lower Upper
93 100
63 73.5 53.0 93.0
95 32.6 12.9 52.9



#12
1,3-Dichlorobenzene
Concen: 38.391 ng
RT: 6.822 min Scan# 804
Delta R.T. 0.000 min
Lab File: BF141906.D
Acq: 10 Mar 2025 15:53

Tgt Ion: 146 Resp: 577700
Ion Ratio Lower Upper
146 100
148 64.2 51.3 76.9
75 33.3 26.6 40.0





#13

1,4-Dichlorobenzene

Concen: 38.366 ng

RT: 6.898 min Scan# 817

Delta R.T. 0.000 min

Lab File: BF141906.D

Acq: 10 Mar 2025 15:53

Instrument :

BNA_F

ClientSampleId :

ICVBF031025

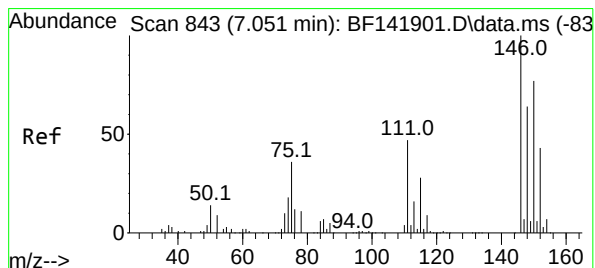
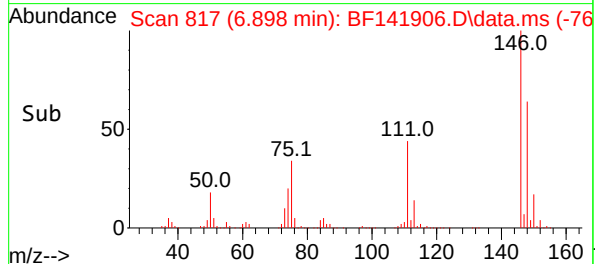
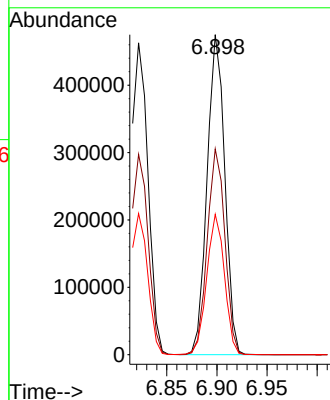
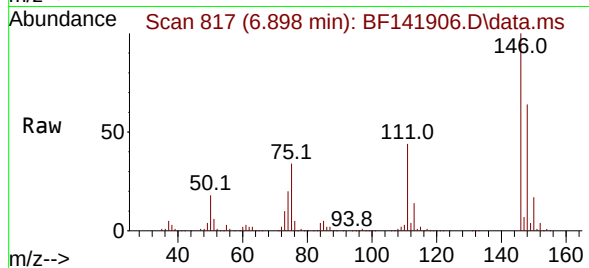
Tgt Ion:146 Resp: 584132

Ion Ratio Lower Upper

146 100

148 64.3 51.0 76.6

111 43.8 35.7 53.5



#14

1,2-Dichlorobenzene

Concen: 38.744 ng

RT: 7.051 min Scan# 843

Delta R.T. 0.000 min

Lab File: BF141906.D

Acq: 10 Mar 2025 15:53

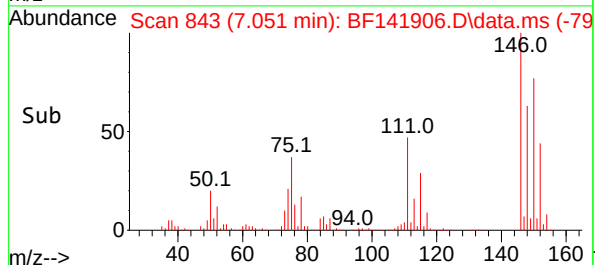
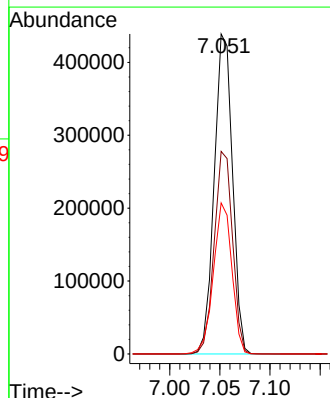
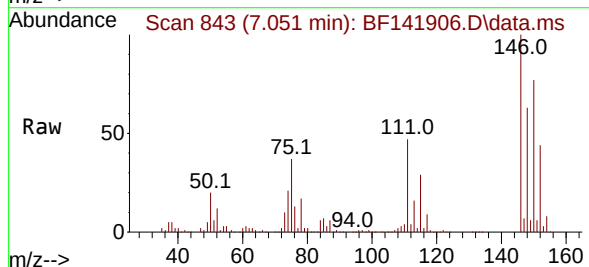
Tgt Ion:146 Resp: 555621

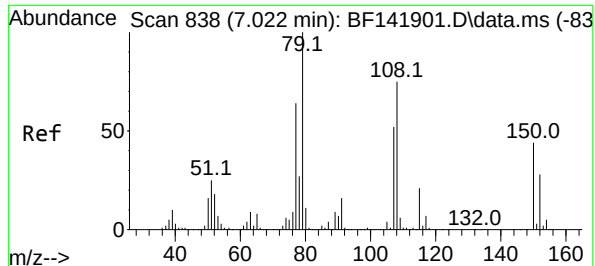
Ion Ratio Lower Upper

146 100

148 63.3 50.8 76.2

111 47.2 38.0 57.0





#15

Benzyl Alcohol

Concen: 39.408 ng

RT: 7.022 min Scan# 81

Delta R.T. 0.000 min

Lab File: BF141906.D

Acq: 10 Mar 2025 15:53

Instrument :

BNA_F

ClientSampleId :

ICVBF031025

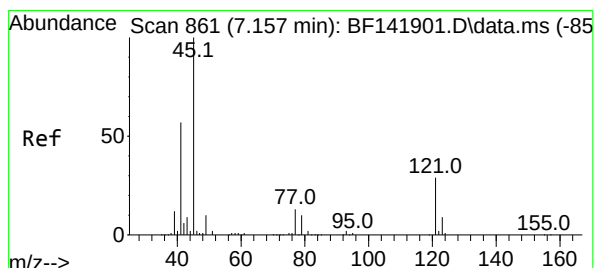
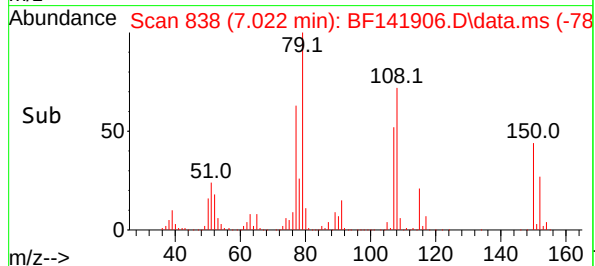
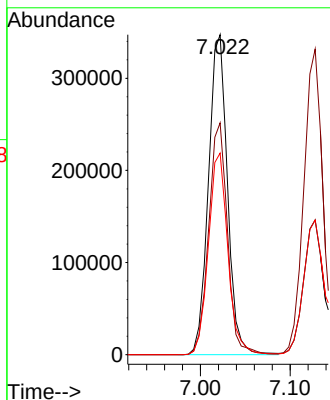
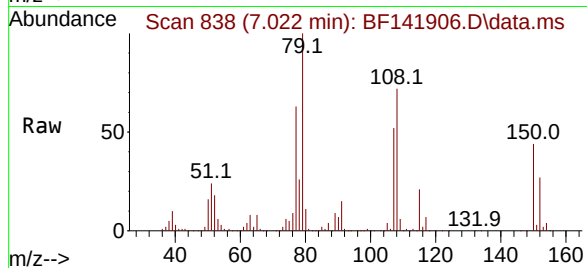
Tgt Ion: 79 Resp: 509792

Ion Ratio Lower Upper

79 100

108 72.4 59.7 89.5

77 63.0 51.0 76.6



#16

2,2'-oxybis(1-Chloropropane)

Concen: 37.338 ng

RT: 7.157 min Scan# 861

Delta R.T. 0.000 min

Lab File: BF141906.D

Acq: 10 Mar 2025 15:53

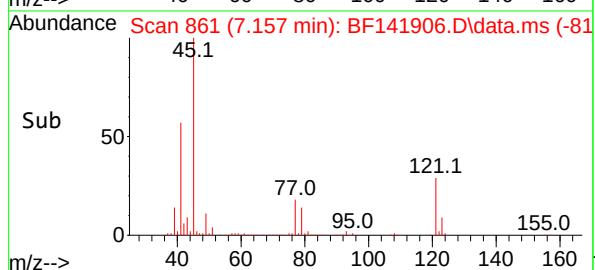
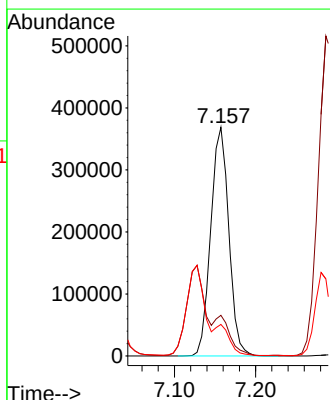
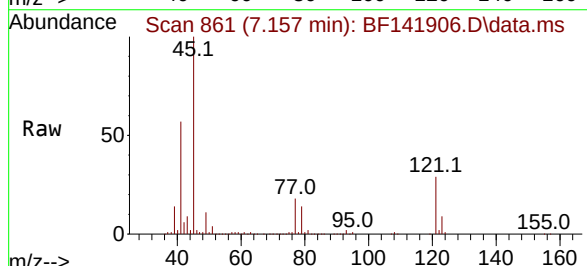
Tgt Ion: 45 Resp: 569783

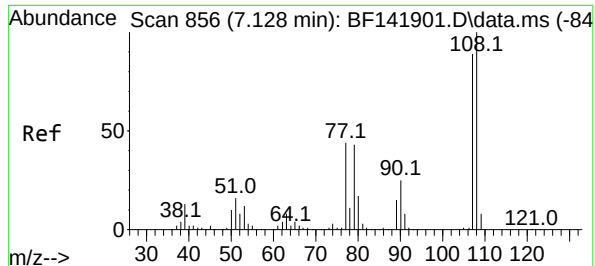
Ion Ratio Lower Upper

45 100

77 17.8 0.0 37.8

79 13.8 0.0 34.2

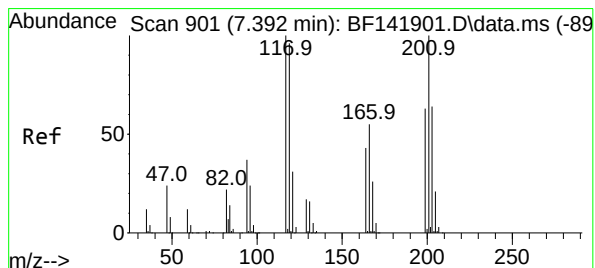
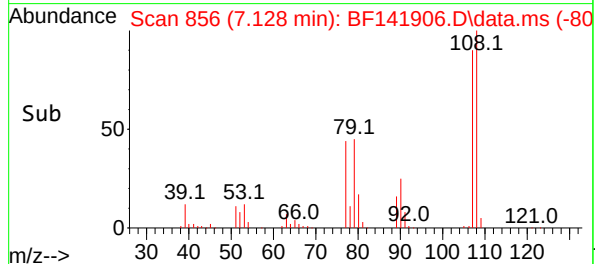
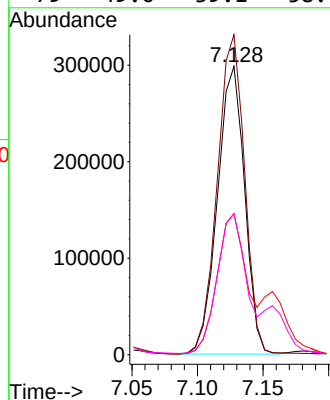
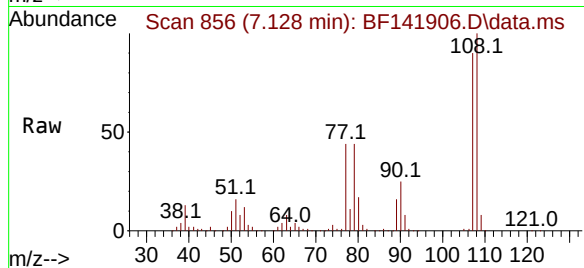




#17
2-Methylphenol
Concen: 38.775 ng
RT: 7.128 min Scan# 856
Delta R.T. 0.000 min
Lab File: BF141906.D
Acq: 10 Mar 2025 15:53

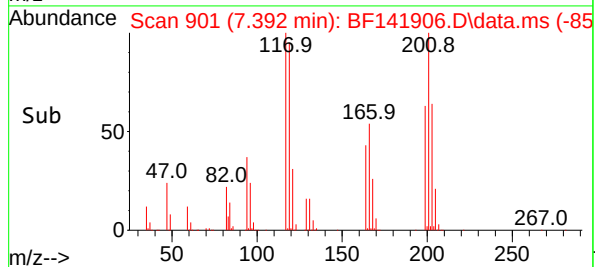
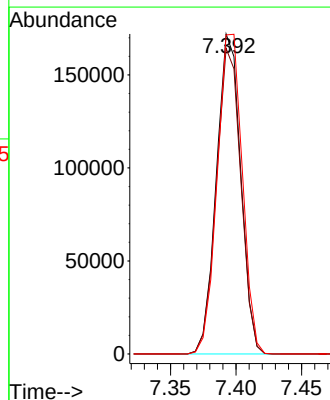
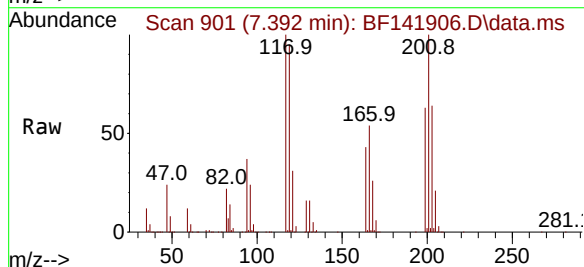
Instrument :
BNA_F
ClientSampleId :
ICVBF031025

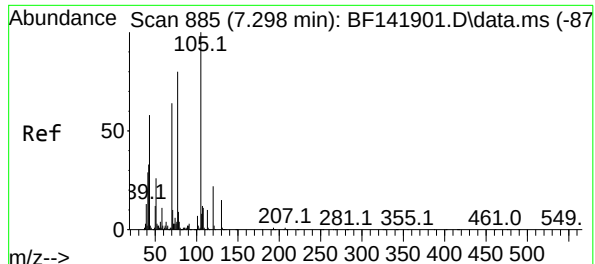
Tgt Ion:107 Resp: 429715
Ion Ratio Lower Upper
107 100
108 111.0 90.2 135.2
77 48.9 39.6 59.4
79 49.0 39.1 58.7



#18
Hexachloroethane
Concen: 38.797 ng
RT: 7.392 min Scan# 901
Delta R.T. 0.000 min
Lab File: BF141906.D
Acq: 10 Mar 2025 15:53

Tgt Ion:117 Resp: 221507
Ion Ratio Lower Upper
117 100
119 95.5 76.9 115.3
201 99.7 79.9 119.9





#19

n-Nitroso-di-n-propylamine

Concen: 38.038 ng

RT: 7.298 min Scan# 885

Delta R.T. 0.000 min

Lab File: BF141906.D

Acq: 10 Mar 2025 15:53

Instrument :

BNA_F

ClientSampleId :

ICVBF031025

Tgt Ion: 70 Resp: 391096

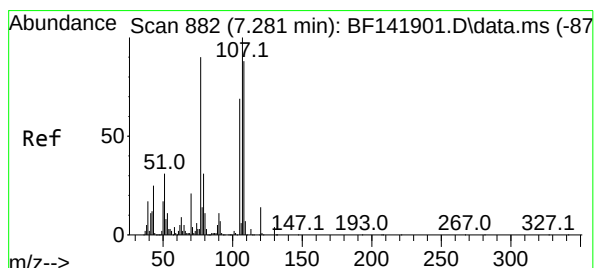
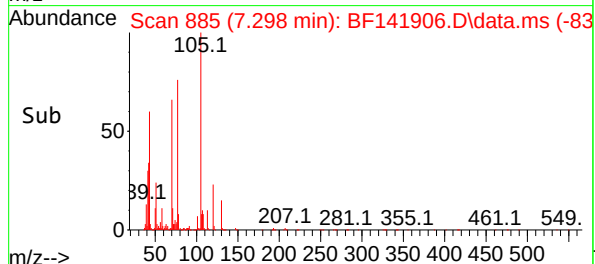
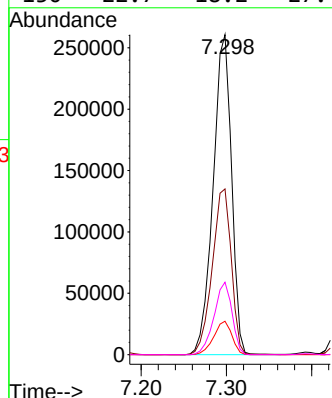
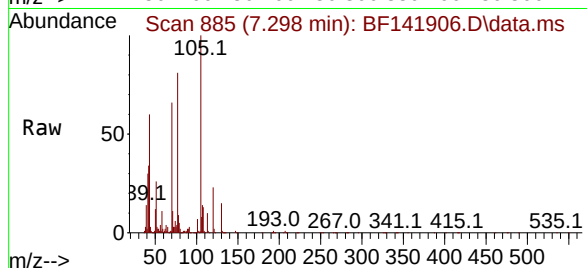
Ion Ratio Lower Upper

70 100

42 51.8 41.4 62.0

101 10.5 8.2 12.2

130 22.7 18.2 27.4



#20

3+4-Methylphenols

Concen: 38.619 ng

RT: 7.281 min Scan# 882

Delta R.T. 0.000 min

Lab File: BF141906.D

Acq: 10 Mar 2025 15:53

Tgt Ion: 107 Resp: 548208

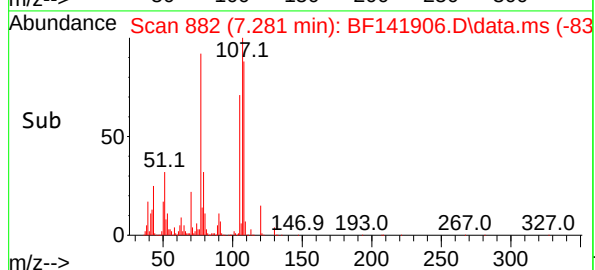
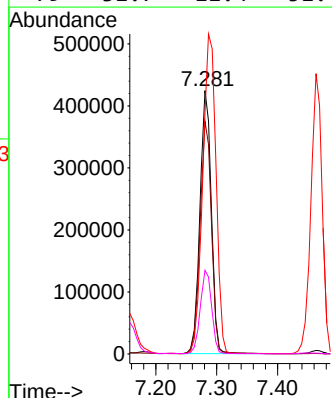
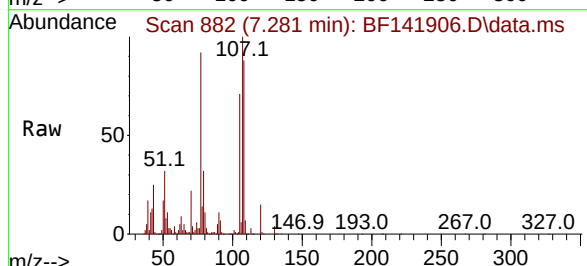
Ion Ratio Lower Upper

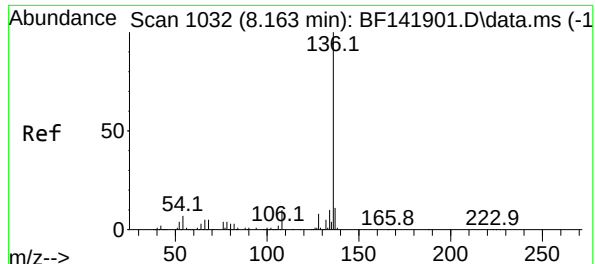
107 100

108 88.3 68.4 108.4

77 91.7 69.7 109.7

79 31.7 11.4 51.4





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.163 min Scan# 1032

Delta R.T. -0.000 min

Lab File: BF141906.D

Acq: 10 Mar 2025 15:53

Instrument :

BNA_F

ClientSampleId :

ICVBF031025

Tgt Ion:136 Resp: 840616

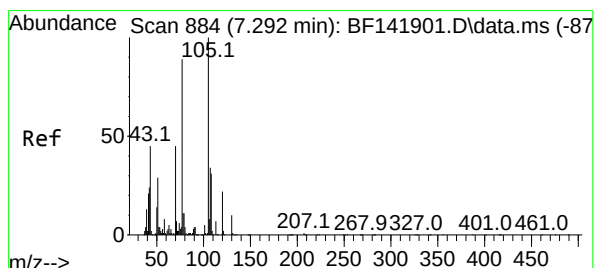
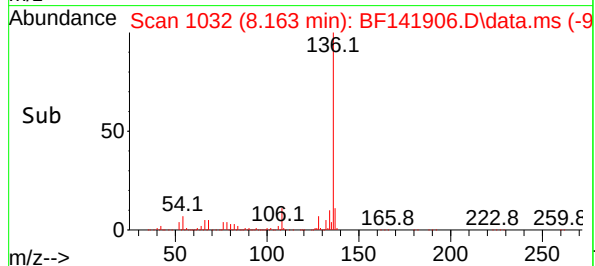
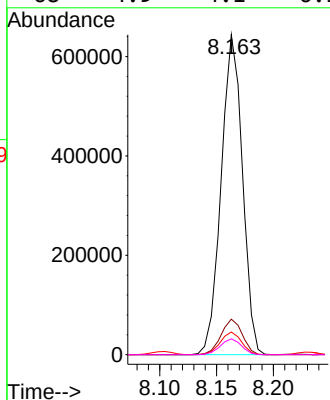
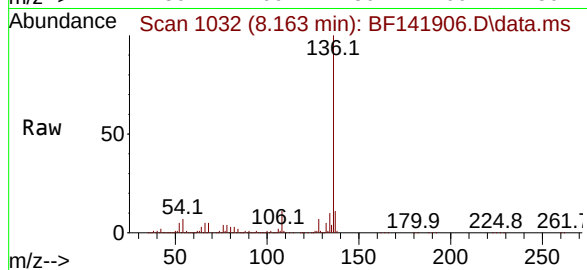
Ion Ratio Lower Upper

136 100

137 11.1 8.8 13.2

54 7.1 5.8 8.8

68 4.9 4.1 6.1



#22

Acetophenone

Concen: 37.650 ng

RT: 7.292 min Scan# 884

Delta R.T. 0.000 min

Lab File: BF141906.D

Acq: 10 Mar 2025 15:53

Tgt Ion:105 Resp: 757917

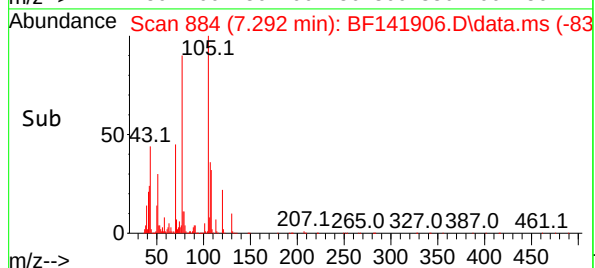
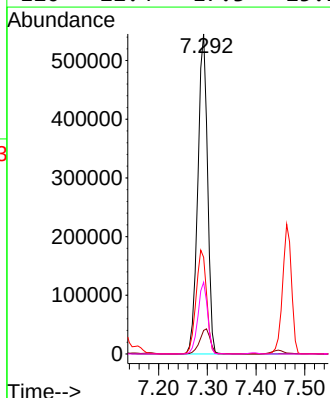
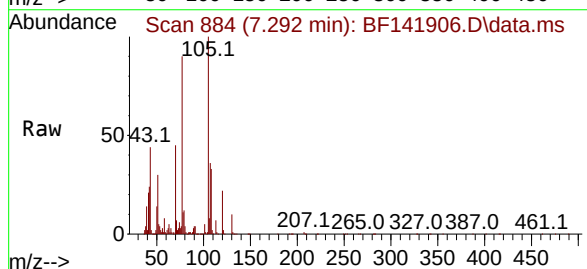
Ion Ratio Lower Upper

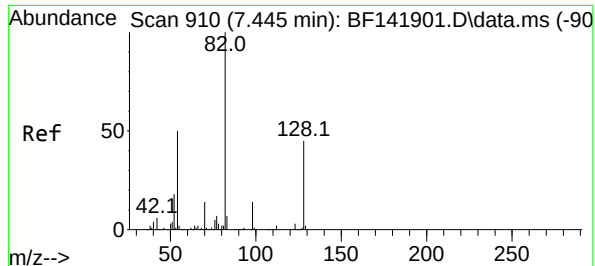
105 100

71 7.4 5.8 8.8

51 30.2 23.4 35.0

120 22.4 17.3 25.9





#23

Nitrobenzene-d5

Concen: 78.962 ng

RT: 7.445 min Scan# 910

Delta R.T. 0.000 min

Lab File: BF141906.D

Acq: 10 Mar 2025 15:53

Instrument :

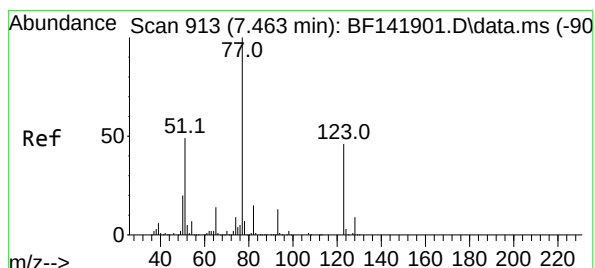
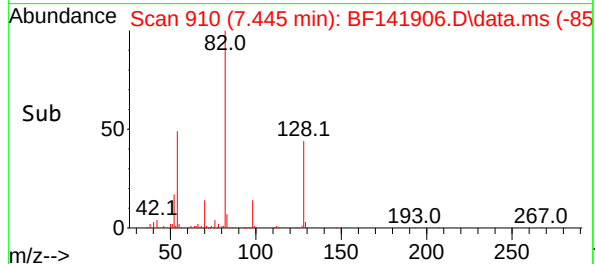
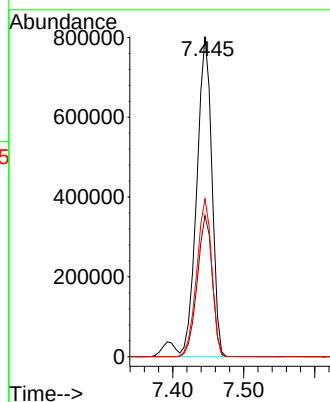
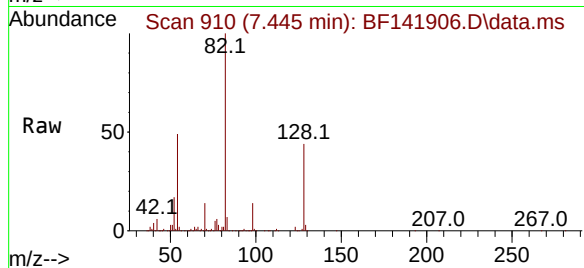
BNA_F

ClientSampleId :

ICVBF031025

Tgt Ion: 82 Resp: 1179480

Ion	Ratio	Lower	Upper
82	100		
128	44.1	36.0	54.0
54	49.3	39.6	59.4



#24

Nitrobenzene

Concen: 38.980 ng

RT: 7.463 min Scan# 913

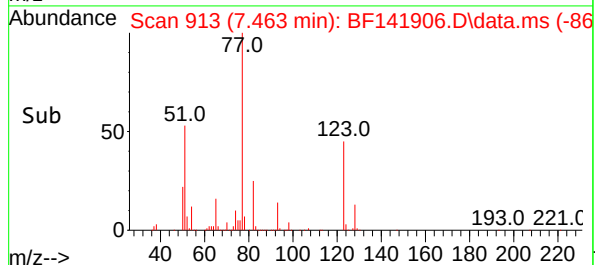
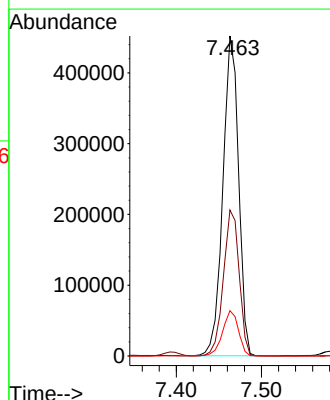
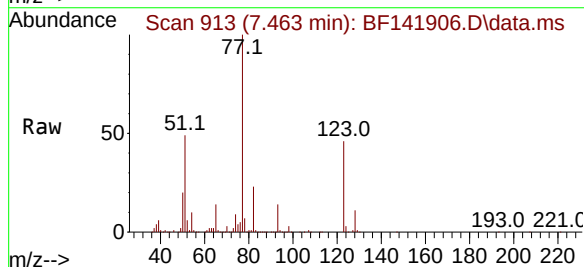
Delta R.T. 0.000 min

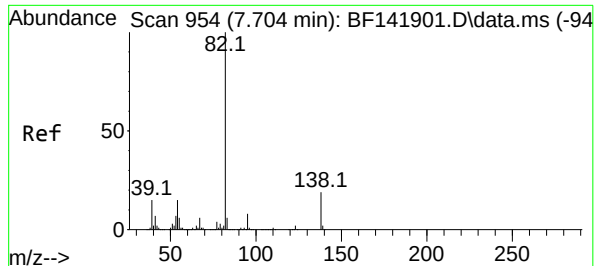
Lab File: BF141906.D

Acq: 10 Mar 2025 15:53

Tgt Ion: 77 Resp: 578836

Ion	Ratio	Lower	Upper
77	100		
123	45.6	37.0	55.4
65	14.2	11.3	16.9





#25

Isophorone

Concen: 38.163 ng

RT: 7.704 min Scan# 91

Delta R.T. 0.000 min

Lab File: BF141906.D

Acq: 10 Mar 2025 15:53

Instrument :

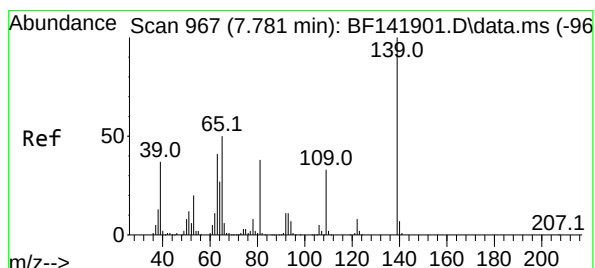
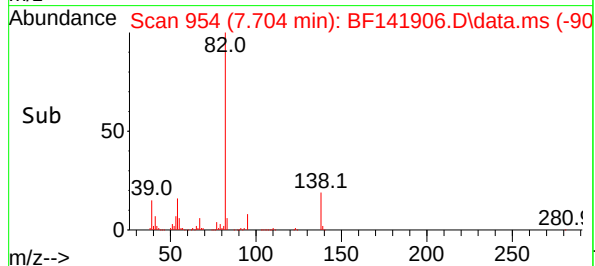
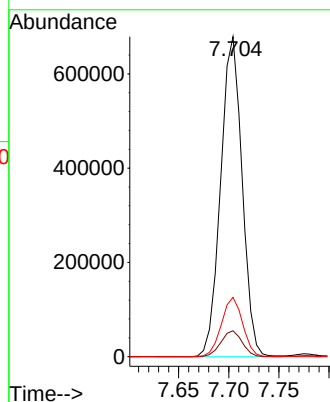
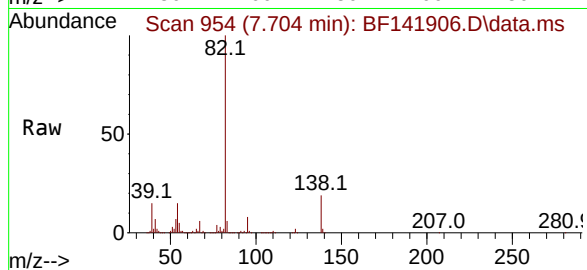
BNA_F

ClientSampleId :

ICVBF031025

Tgt Ion: 82 Resp: 1007659

Ion	Ratio	Lower	Upper
82	100		
95	8.1	6.4	9.6
138	18.6	14.9	22.3



#26

2-Nitrophenol

Concen: 40.429 ng

RT: 7.775 min Scan# 966

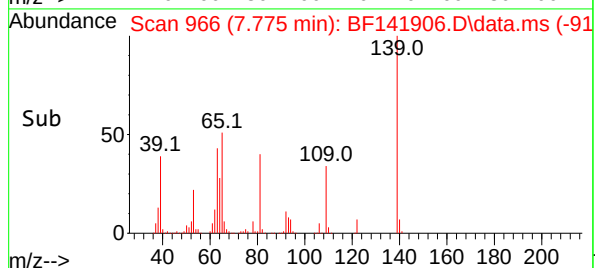
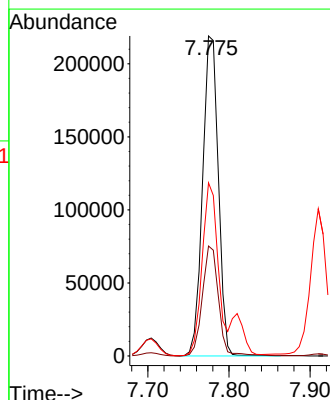
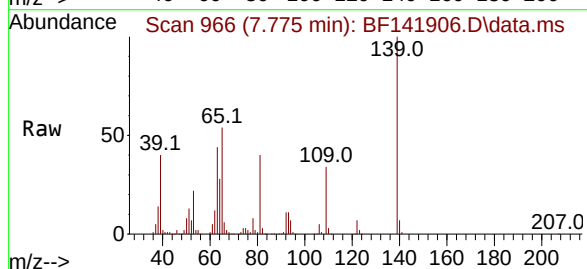
Delta R.T. -0.006 min

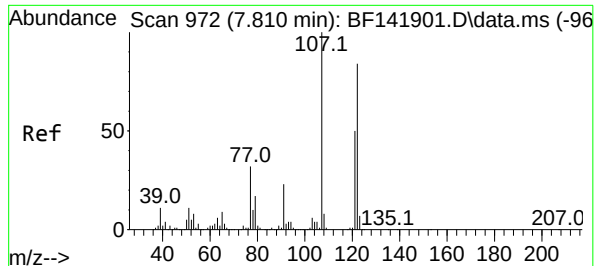
Lab File: BF141906.D

Acq: 10 Mar 2025 15:53

Tgt Ion:139 Resp: 294657

Ion	Ratio	Lower	Upper
139	100		
109	34.3	26.5	39.7
65	54.1	40.3	60.5





#27

2,4-Dimethylphenol

Concen: 38.414 ng

RT: 7.810 min Scan# 91

Delta R.T. 0.000 min

Lab File: BF141906.D

Acq: 10 Mar 2025 15:53

Instrument :

BNA_F

ClientSampleId :

ICVBF031025

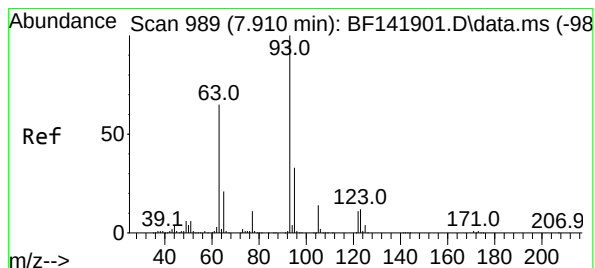
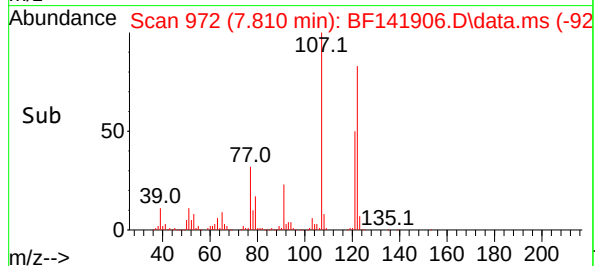
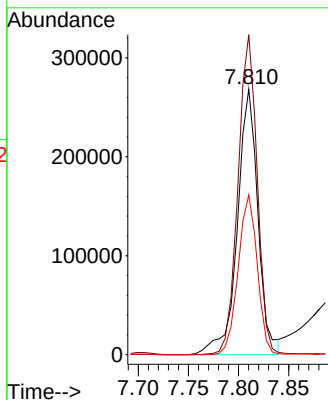
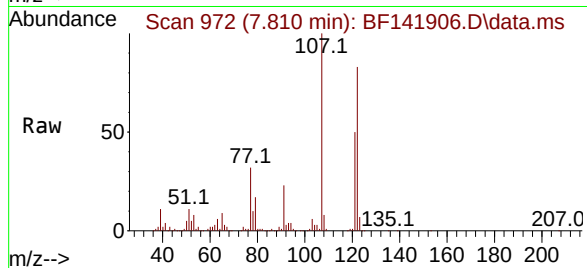
Tgt Ion:122 Resp: 385504

Ion Ratio Lower Upper

122 100

107 120.5 94.8 142.2

121 60.1 47.8 71.6



#28

bis(2-Chloroethoxy)methane

Concen: 37.943 ng

RT: 7.910 min Scan# 989

Delta R.T. 0.000 min

Lab File: BF141906.D

Acq: 10 Mar 2025 15:53

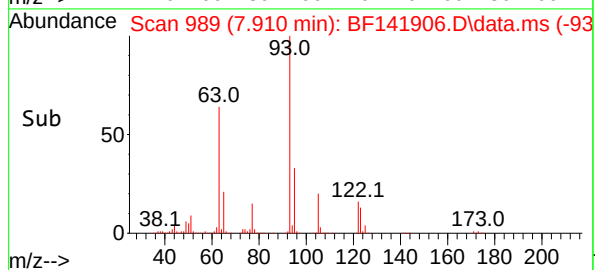
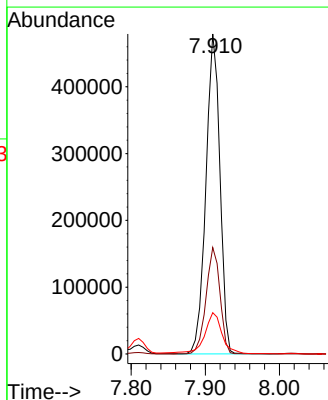
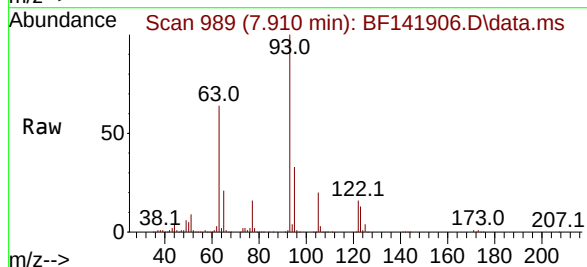
Tgt Ion: 93 Resp: 628379

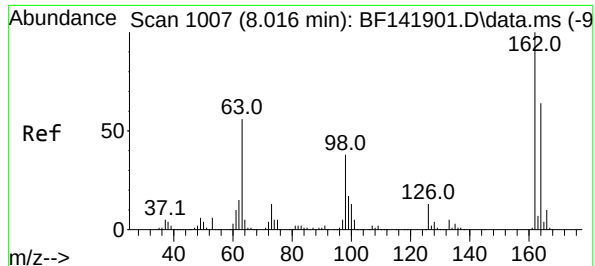
Ion Ratio Lower Upper

93 100

95 33.3 26.6 40.0

123 12.9 10.2 15.4





#29

2,4-Dichlorophenol

Concen: 38.952 ng

RT: 8.016 min Scan# 1007

Delta R.T. 0.000 min

Lab File: BF141906.D

Acq: 10 Mar 2025 15:53

Instrument :

BNA_F

ClientSampleId :

ICVBF031025

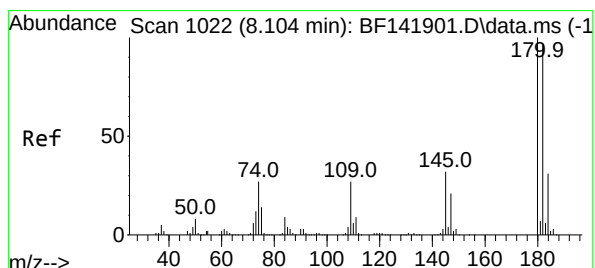
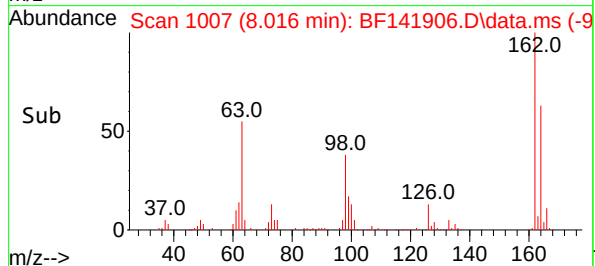
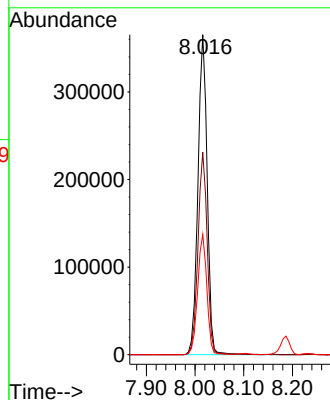
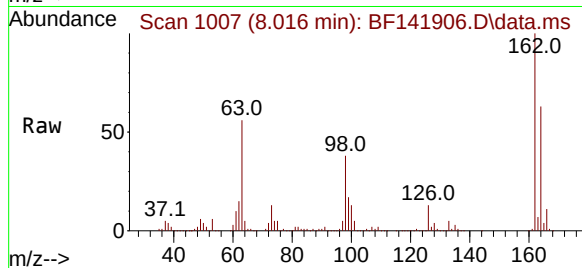
Tgt Ion:162 Resp: 485205

Ion Ratio Lower Upper

162 100

164 63.3 43.8 83.8

98 37.6 18.1 58.1



#30

1,2,4-Trichlorobenzene

Concen: 38.336 ng

RT: 8.104 min Scan# 1022

Delta R.T. 0.000 min

Lab File: BF141906.D

Acq: 10 Mar 2025 15:53

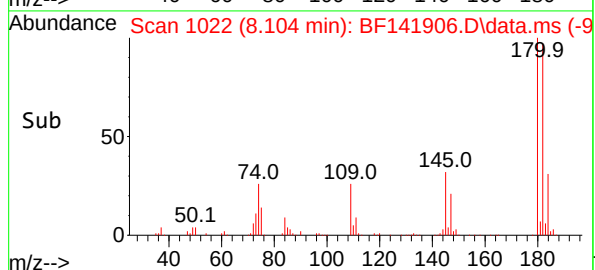
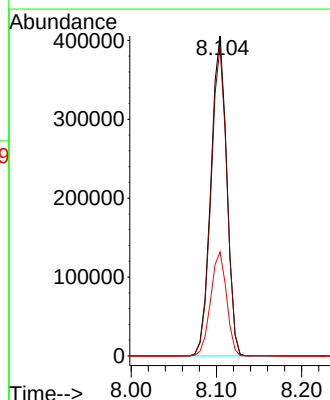
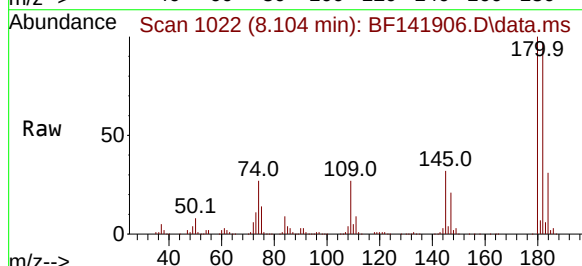
Tgt Ion:180 Resp: 526250

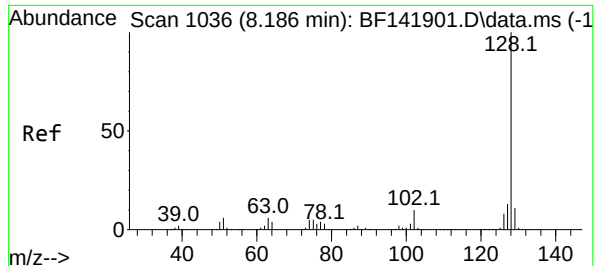
Ion Ratio Lower Upper

180 100

182 96.7 77.5 116.3

145 32.5 25.8 38.6

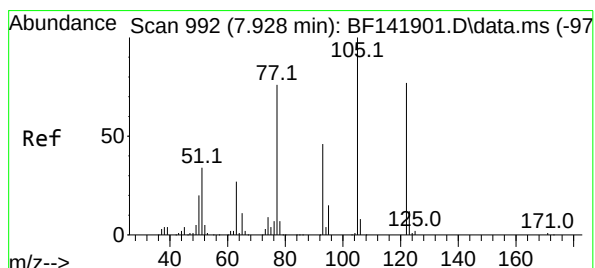
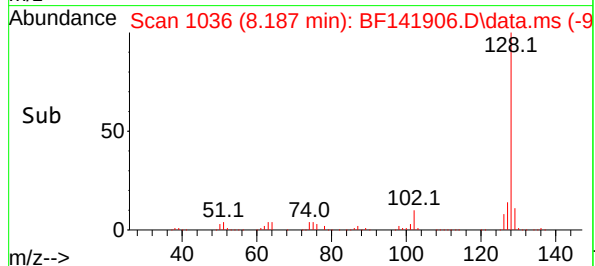
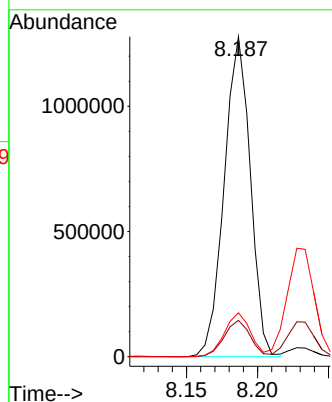
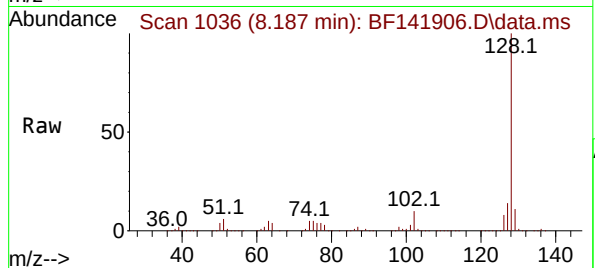




#31
Naphthalene
Concen: 37.827 ng
RT: 8.187 min Scan# 1036
Delta R.T. 0.000 min
Lab File: BF141906.D
Acq: 10 Mar 2025 15:53

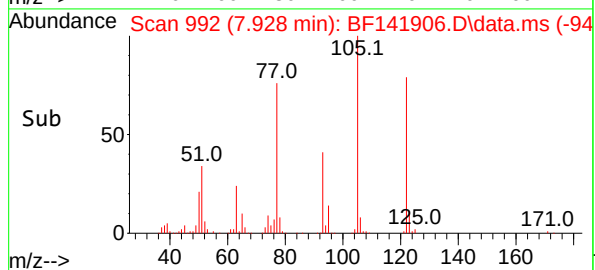
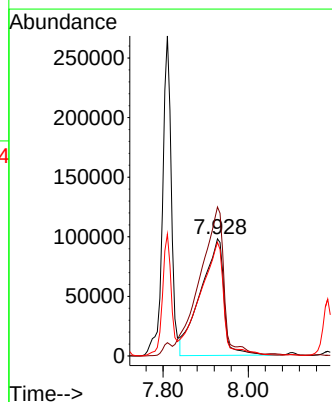
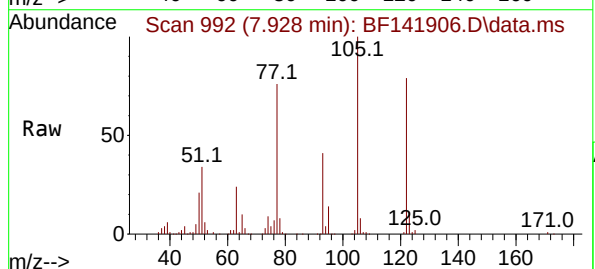
Instrument :
BNA_F
ClientSampleId :
ICVBF031025

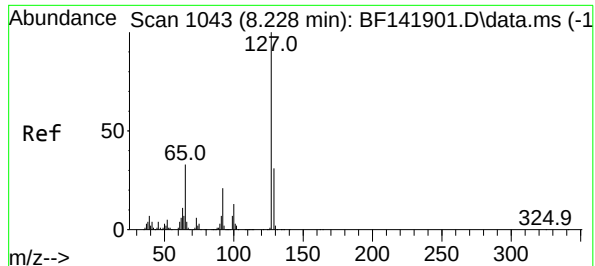
Tgt Ion:128 Resp: 1633401
Ion Ratio Lower Upper
128 100
129 11.4 9.0 13.6
127 13.7 10.8 16.2



#32
Benzoic acid
Concen: 42.303 ng
RT: 7.928 min Scan# 992
Delta R.T. -0.000 min
Lab File: BF141906.D
Acq: 10 Mar 2025 15:53

Tgt Ion:122 Resp: 373179
Ion Ratio Lower Upper
122 100
105 127.1 107.9 147.9
77 97.0 79.0 119.0

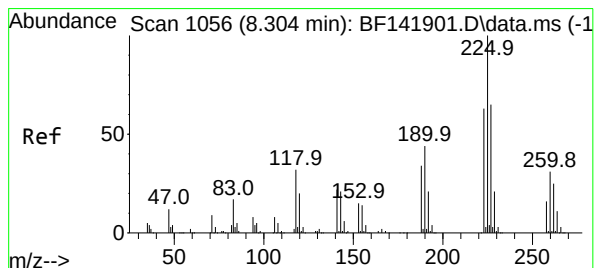
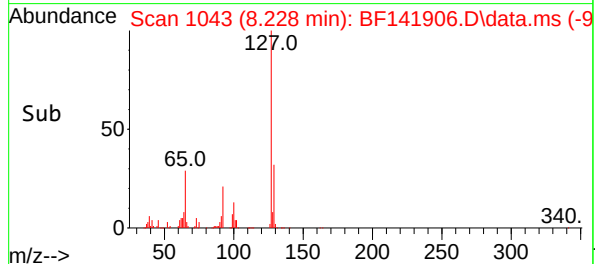
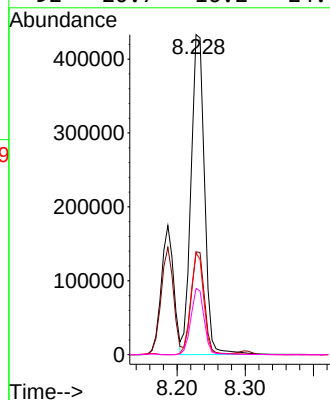
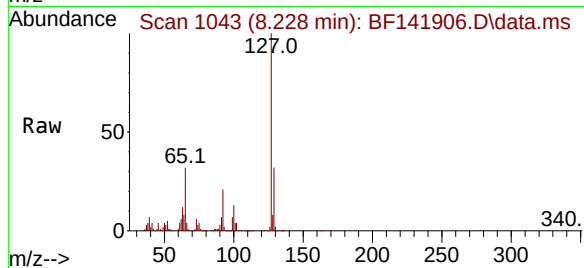




#33
4-Chloroaniline
Concen: 38.847 ng
RT: 8.228 min Scan# 1043
Delta R.T. 0.000 min
Lab File: BF141906.D
Acq: 10 Mar 2025 15:53

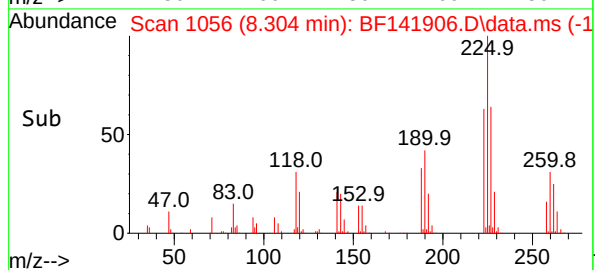
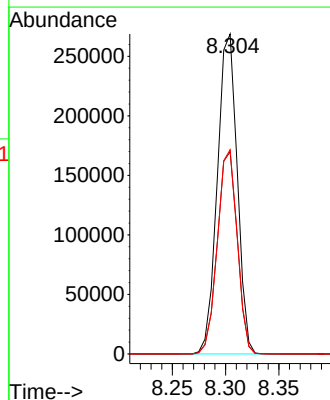
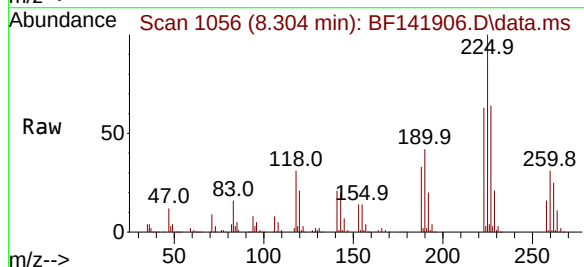
Instrument :
BNA_F
ClientSampleId :
ICVBF031025

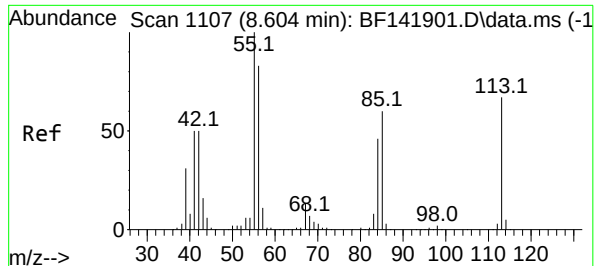
Tgt Ion:	127	Resp:	592172
Ion	Ratio	Lower	Upper
127	100		
129	32.2	26.2	39.4
65	31.9	25.4	38.2
92	20.7	16.2	24.4



#34
Hexachlorobutadiene
Concen: 38.849 ng
RT: 8.304 min Scan# 1056
Delta R.T. 0.000 min
Lab File: BF141906.D
Acq: 10 Mar 2025 15:53

Tgt Ion:	225	Resp:	347789
Ion	Ratio	Lower	Upper
225	100		
223	63.2	50.6	75.8
227	63.8	52.2	78.2





#35

Caprolactam

Concen: 37.276 ng

RT: 8.604 min Scan# 1107

Delta R.T. 0.000 min

Lab File: BF141906.D

Acq: 10 Mar 2025 15:53

Instrument :

BNA_F

ClientSampleId :

ICVBF031025

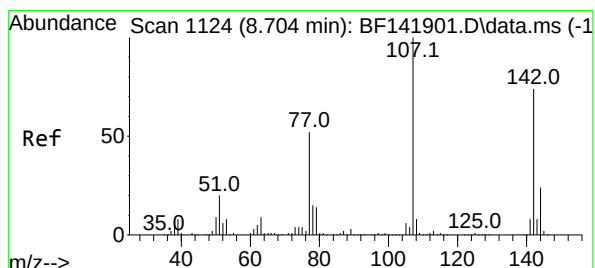
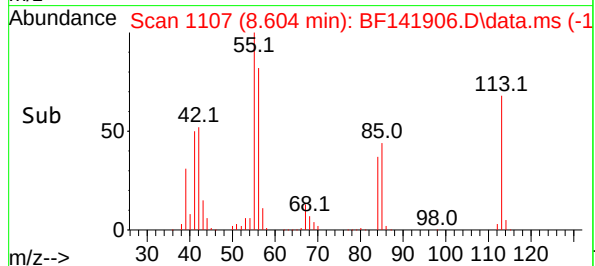
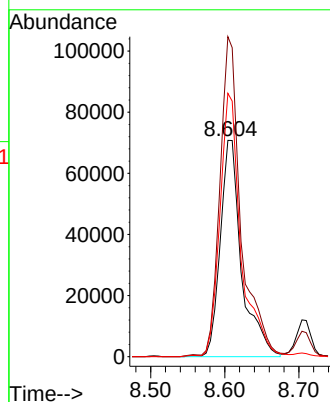
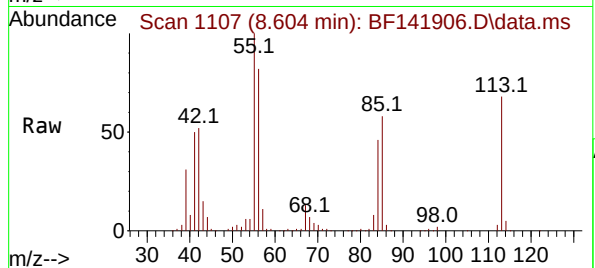
Tgt Ion:113 Resp: 141562

Ion Ratio Lower Upper

113 100

55 148.0 129.6 169.6

56 121.8 104.0 144.0



#36

4-Chloro-3-methylphenol

Concen: 38.550 ng

RT: 8.704 min Scan# 1124

Delta R.T. 0.000 min

Lab File: BF141906.D

Acq: 10 Mar 2025 15:53

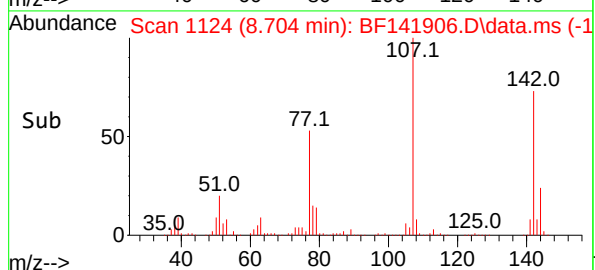
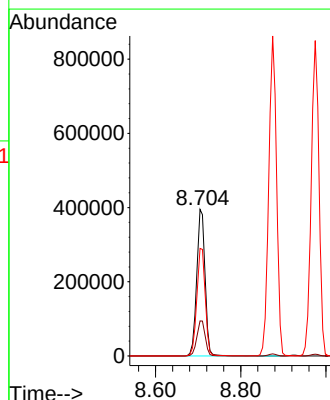
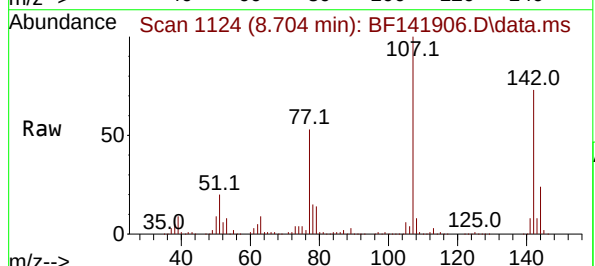
Tgt Ion:107 Resp: 535661

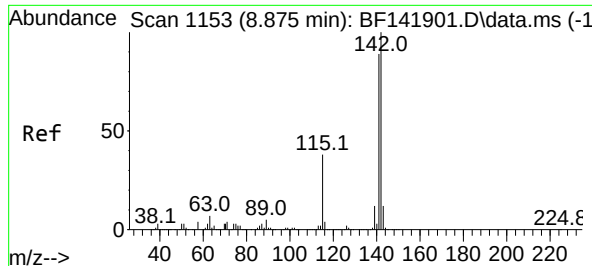
Ion Ratio Lower Upper

107 100

144 23.9 19.0 28.6

142 73.3 59.2 88.8

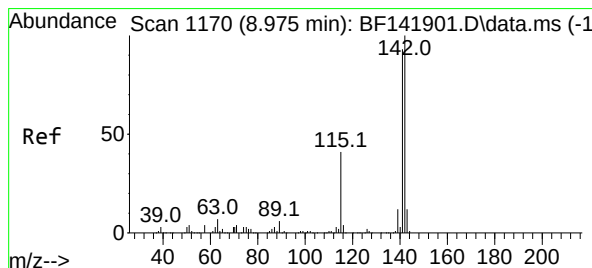
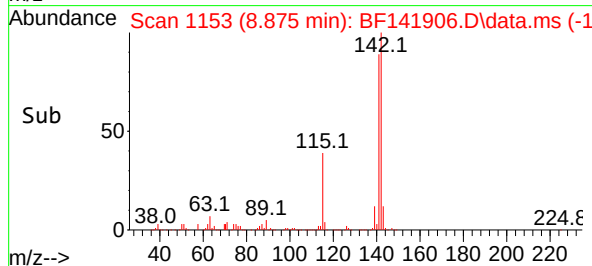
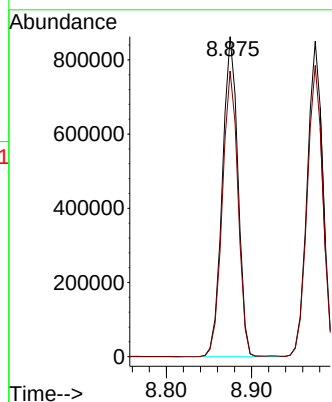
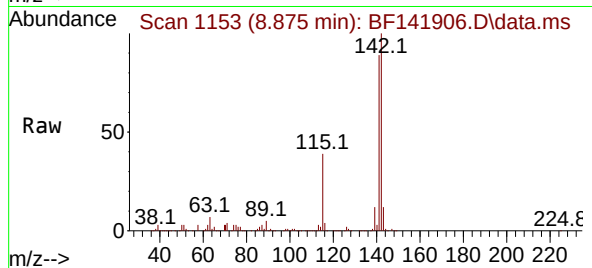




#37
2-Methylnaphthalene
Concen: 37.935 ng
RT: 8.875 min Scan# 1153
Delta R.T. 0.000 min
Lab File: BF141906.D
Acq: 10 Mar 2025 15:53

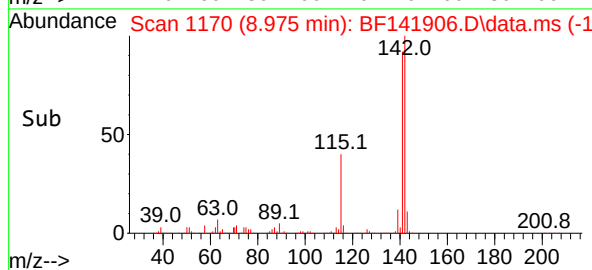
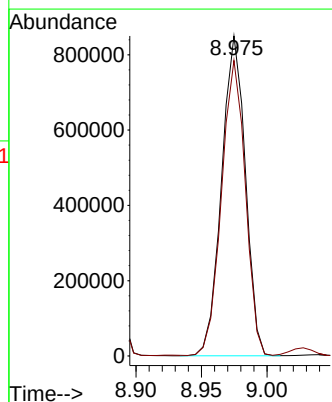
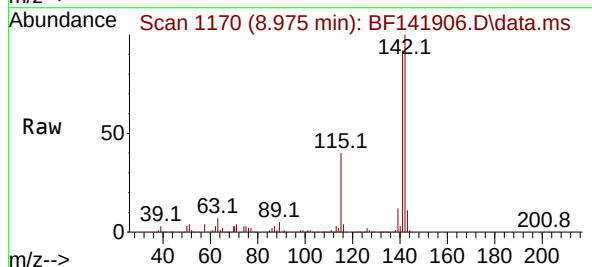
Instrument :
BNA_F
ClientSampleId :
ICVBF031025

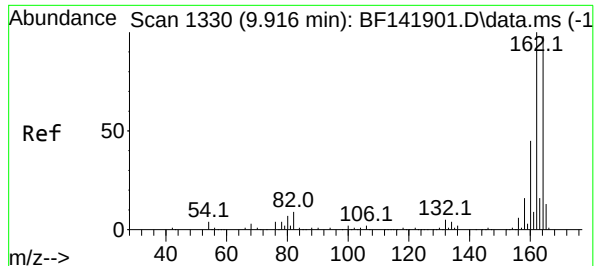
Tgt Ion:142 Resp: 1094895
Ion Ratio Lower Upper
142 100
141 89.3 71.2 106.8



#38
1-Methylnaphthalene
Concen: 38.484 ng
RT: 8.975 min Scan# 1170
Delta R.T. 0.000 min
Lab File: BF141906.D
Acq: 10 Mar 2025 15:53

Tgt Ion:142 Resp: 1071850
Ion Ratio Lower Upper
142 100
141 92.3 74.2 111.4





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.922 min Scan# 1181

Delta R.T. 0.006 min

Lab File: BF141906.D

Acq: 10 Mar 2025 15:53

Instrument :

BNA_F

ClientSampleId :

ICVBF031025

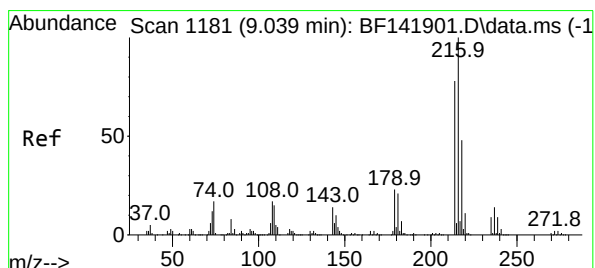
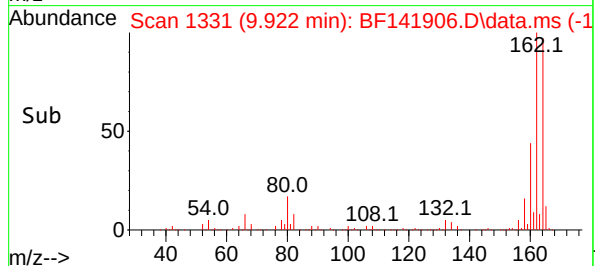
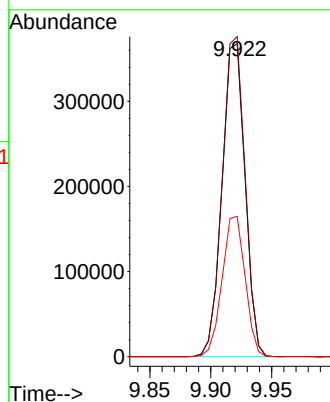
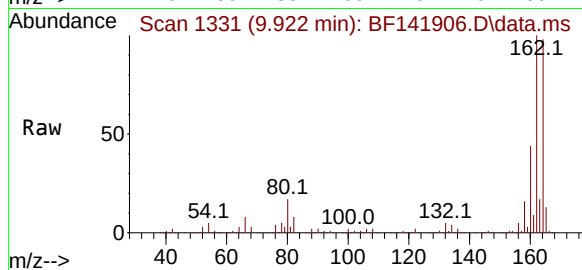
Tgt Ion:164 Resp: 483165

Ion Ratio Lower Upper

164 100

162 102.2 81.8 122.6

160 44.8 36.7 55.1



#40

1,2,4,5-Tetrachlorobenzene

Concen: 38.191 ng

RT: 9.039 min Scan# 1181

Delta R.T. 0.000 min

Lab File: BF141906.D

Acq: 10 Mar 2025 15:53

Tgt Ion:216 Resp: 561804

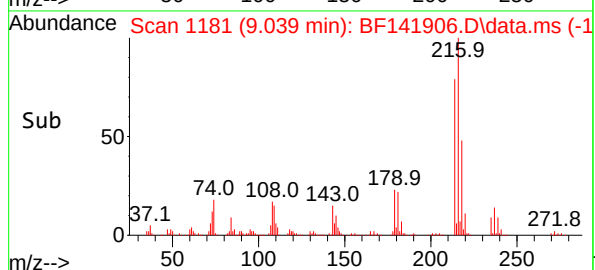
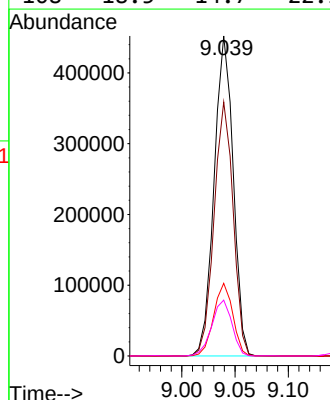
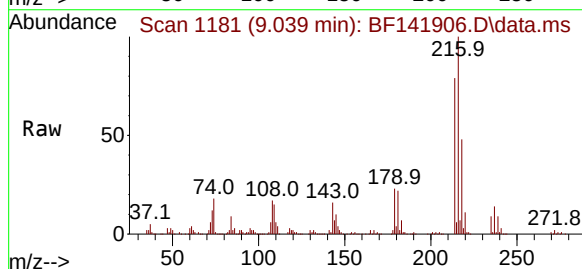
Ion Ratio Lower Upper

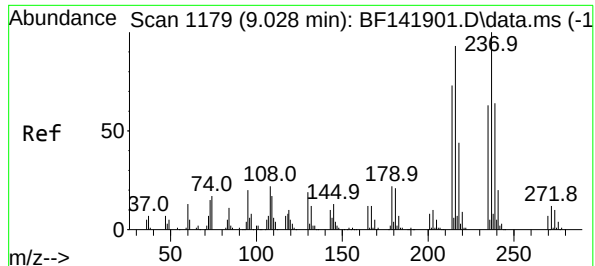
216 100

214 79.2 61.9 92.9

179 22.7 18.1 27.1

108 18.5 14.7 22.1

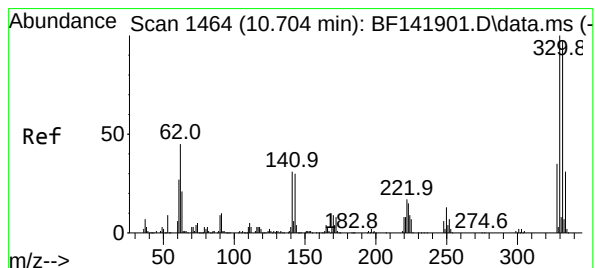
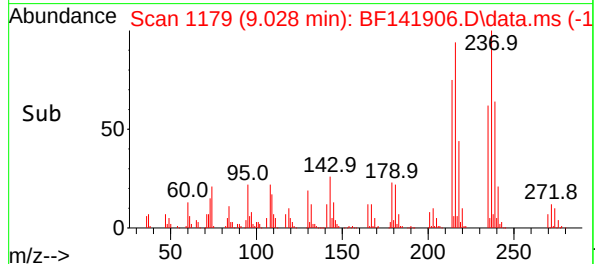
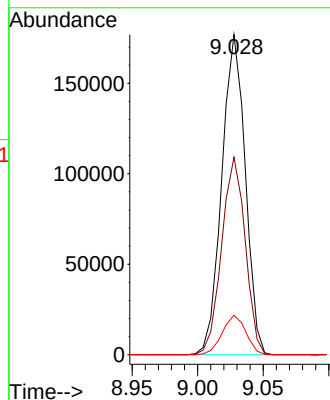
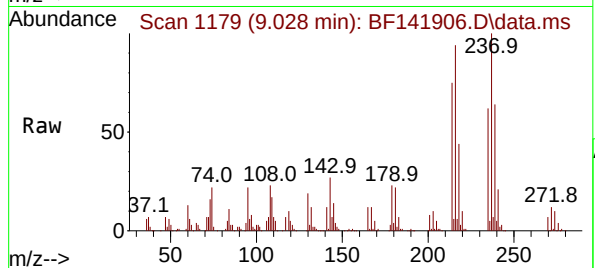




#41
Hexachlorocyclopentadiene
Concen: 38.281 ng
RT: 9.028 min Scan# 1179
Delta R.T. 0.000 min
Lab File: BF141906.D
Acq: 10 Mar 2025 15:53

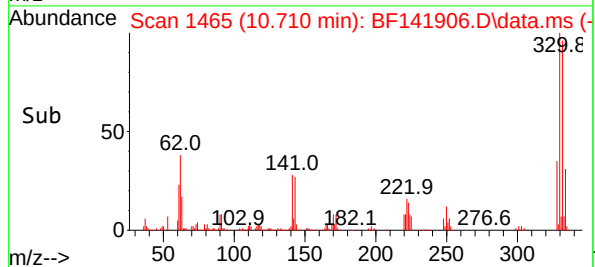
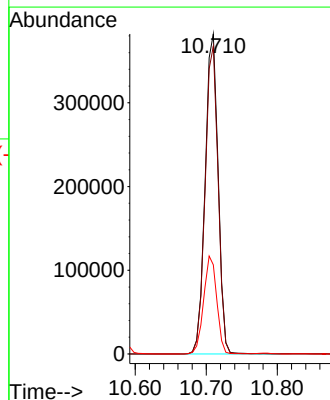
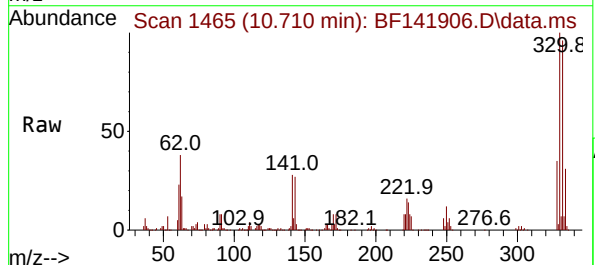
Instrument :
BNA_F
ClientSampleId :
ICVBF031025

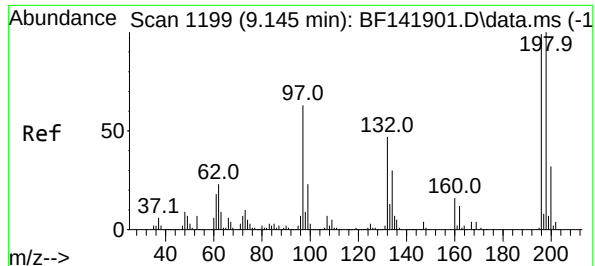
Tgt Ion:237 Resp: 220386
Ion Ratio Lower Upper
237 100
235 61.7 43.1 83.1
272 12.3 0.0 32.0



#42
2,4,6-Tribromophenol
Concen: 79.342 ng
RT: 10.710 min Scan# 1465
Delta R.T. 0.006 min
Lab File: BF141906.D
Acq: 10 Mar 2025 15:53

Tgt Ion:330 Resp: 486334
Ion Ratio Lower Upper
330 100
332 96.2 77.6 116.4
141 30.9 24.7 37.1





#43

2,4,6-Trichlorophenol

Concen: 39.292 ng

RT: 9.151 min Scan# 1199

Delta R.T. 0.006 min

Lab File: BF141906.D

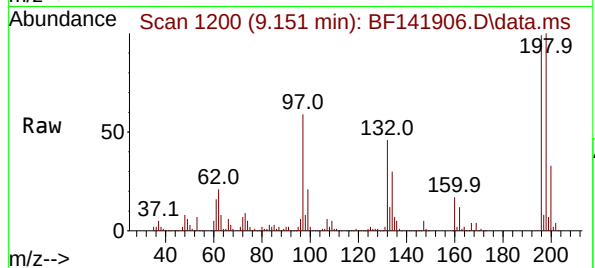
Acq: 10 Mar 2025 15:53

Instrument :

BNA_F

ClientSampleId :

ICVBF031025



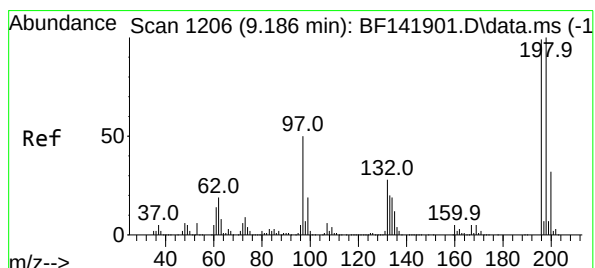
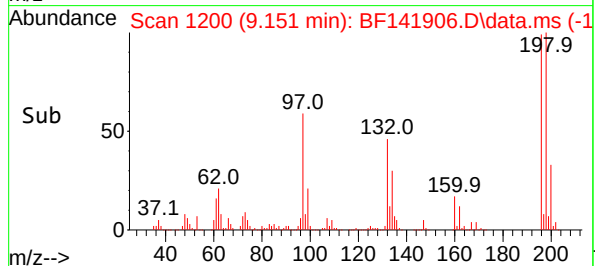
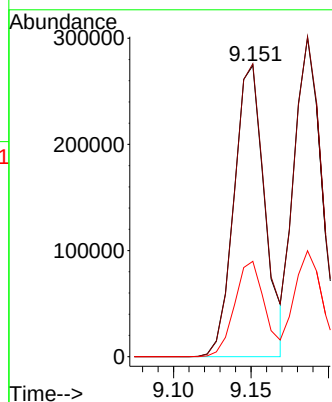
Tgt Ion:196 Resp: 377743

Ion Ratio Lower Upper

196 100

198 100.6 80.6 121.0

200 32.8 25.8 38.6



#44

2,4,5-Trichlorophenol

Concen: 38.263 ng

RT: 9.186 min Scan# 1206

Delta R.T. 0.000 min

Lab File: BF141906.D

Acq: 10 Mar 2025 15:53

Tgt Ion:196 Resp: 372564

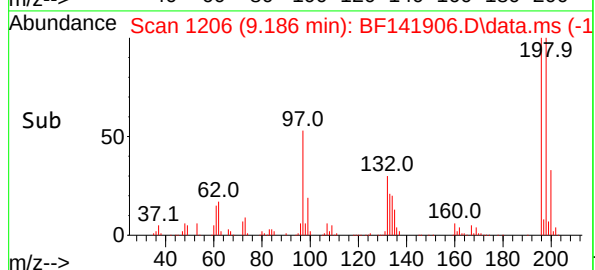
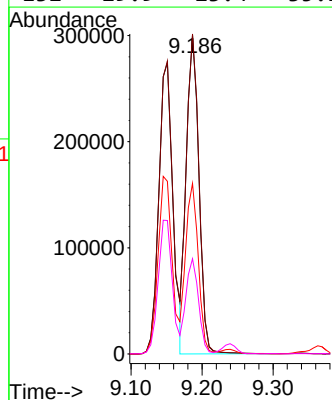
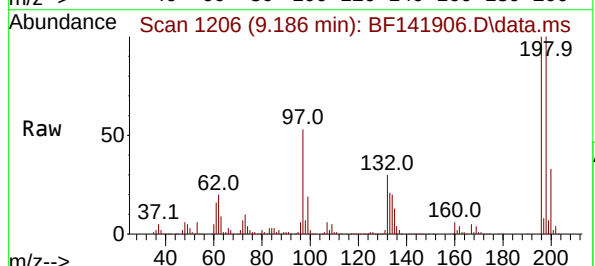
Ion Ratio Lower Upper

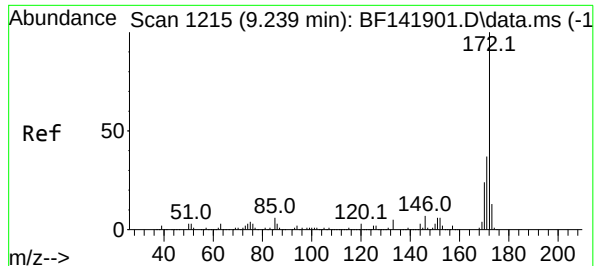
196 100

198 100.3 80.7 121.1

97 53.5 42.1 63.1

132 29.9 23.4 35.2

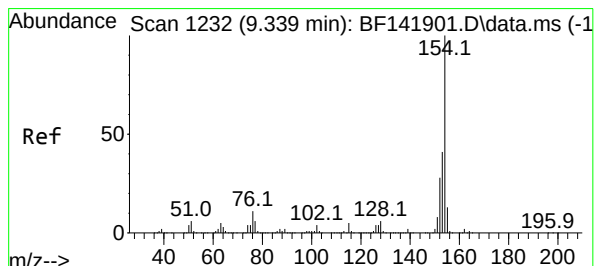
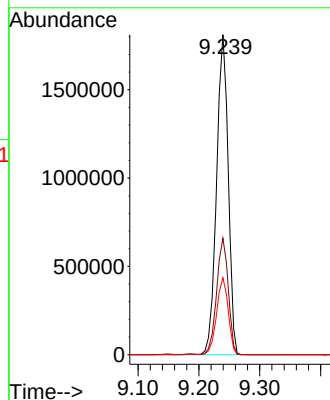
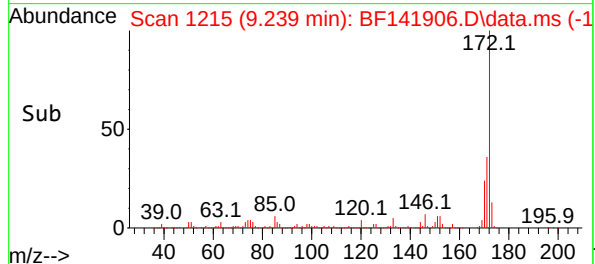
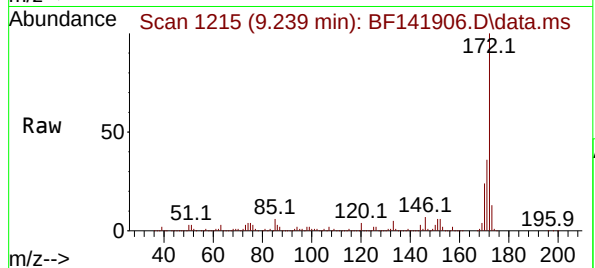




#45
2-Fluorobiphenyl
Concen: 75.528 ng
RT: 9.239 min Scan# 1215
Delta R.T. 0.000 min
Lab File: BF141906.D
Acq: 10 Mar 2025 15:53

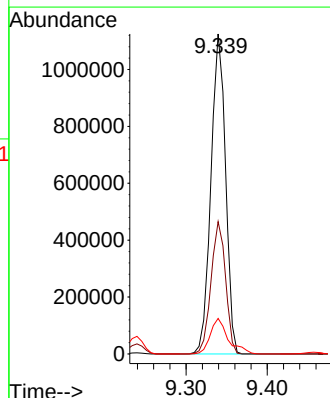
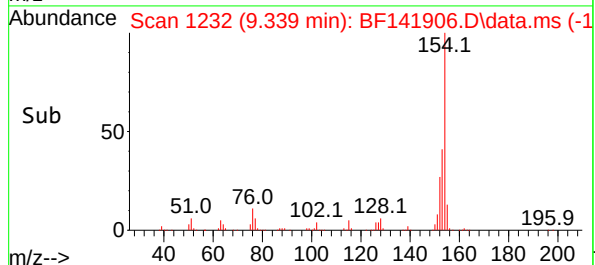
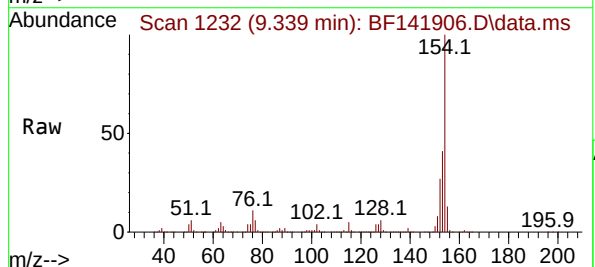
Instrument :
BNA_F
ClientSampleId :
ICVBF031025

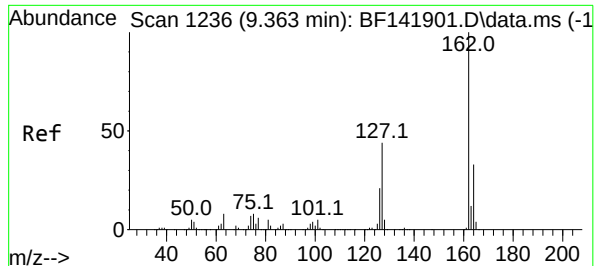
Tgt Ion:172 Resp: 2399526
Ion Ratio Lower Upper
172 100
171 36.4 29.3 43.9
170 24.1 19.4 29.0



#46
1,1'-Biphenyl
Concen: 38.182 ng
RT: 9.339 min Scan# 1232
Delta R.T. 0.000 min
Lab File: BF141906.D
Acq: 10 Mar 2025 15:53

Tgt Ion:154 Resp: 1401736
Ion Ratio Lower Upper
154 100
153 41.3 21.1 61.1
76 11.1 0.0 31.3





#47

2-Chloronaphthalene

Concen: 38.090 ng

RT: 9.363 min Scan# 1236

Delta R.T. 0.000 min

Lab File: BF141906.D

Acq: 10 Mar 2025 15:53

Instrument :

BNA_F

ClientSampleId :

ICVBF031025

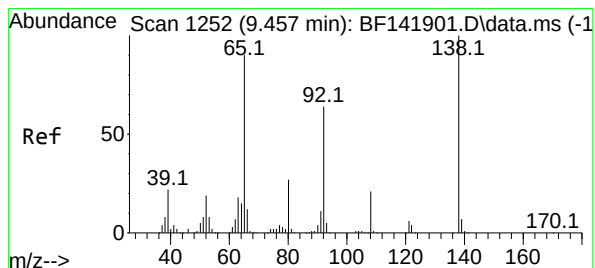
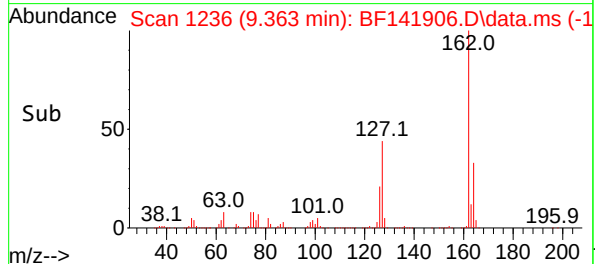
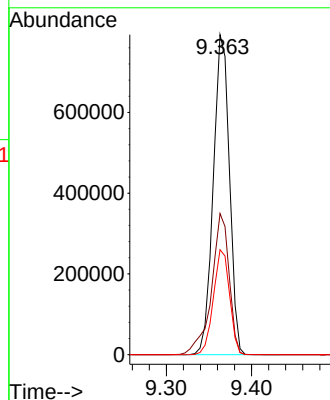
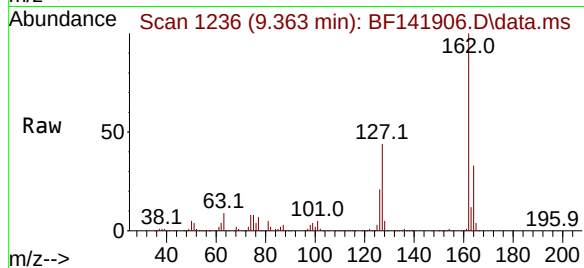
Tgt Ion:162 Resp: 1042241

Ion Ratio Lower Upper

162 100

127 44.1 35.5 53.3

164 32.8 26.6 40.0



#48

2-Nitroaniline

Concen: 38.908 ng

RT: 9.457 min Scan# 1252

Delta R.T. 0.000 min

Lab File: BF141906.D

Acq: 10 Mar 2025 15:53

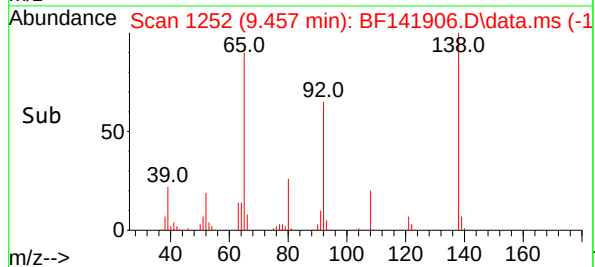
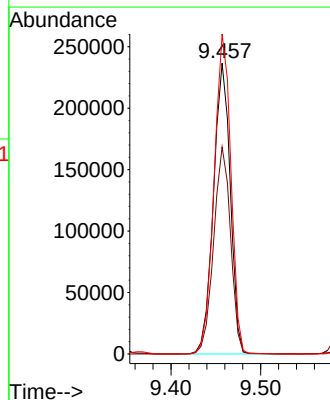
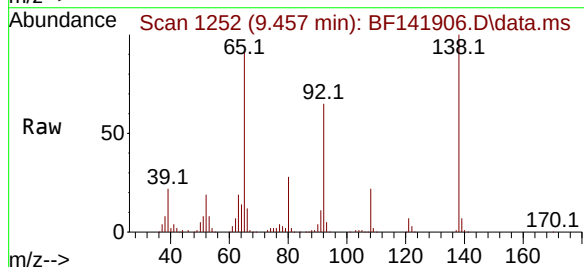
Tgt Ion: 65 Resp: 308259

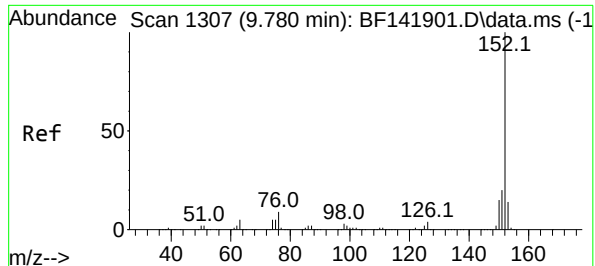
Ion Ratio Lower Upper

65 100

92 71.2 56.6 84.8

138 110.1 88.6 133.0





#49

Acenaphthylene

Concen: 37.725 ng

RT: 9.781 min Scan# 11

Delta R.T. 0.000 min

Lab File: BF141906.D

Acq: 10 Mar 2025 15:53

Instrument :

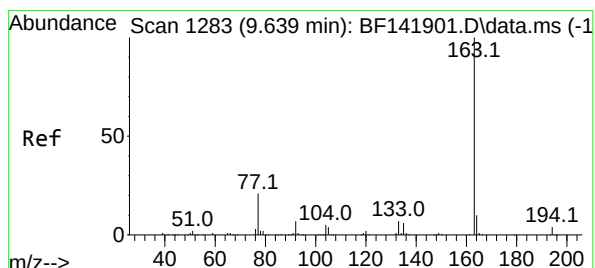
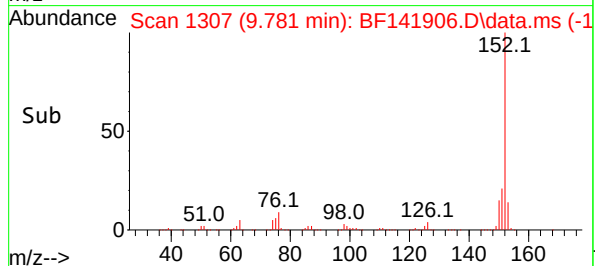
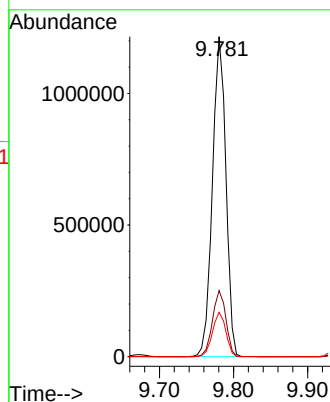
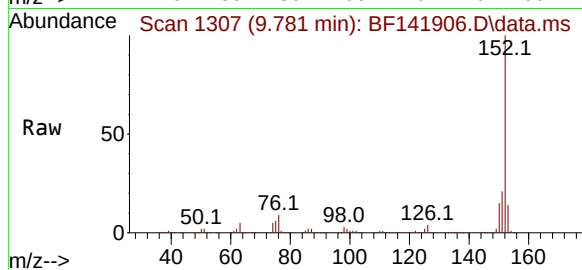
BNA_F

ClientSampleId :

ICVBF031025

Tgt Ion:152 Resp: 1531852

Ion	Ratio	Lower	Upper
152	100		
151	20.7	16.3	24.5
153	13.9	11.1	16.7



#50

Dimethylphthalate

Concen: 37.611 ng

RT: 9.639 min Scan# 1283

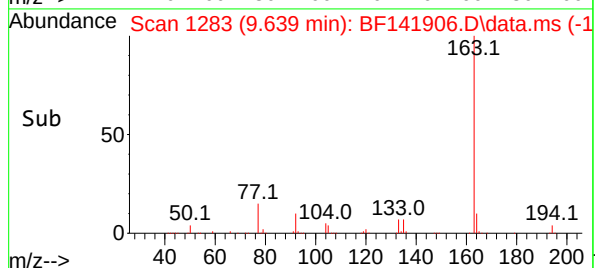
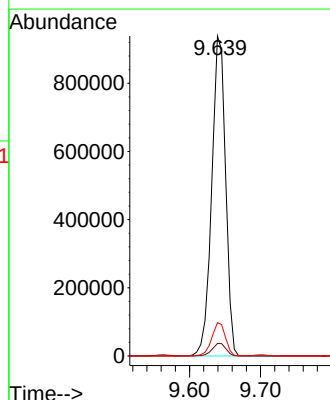
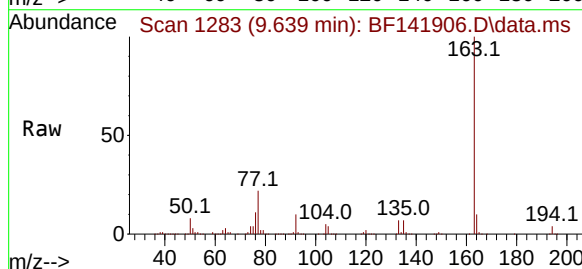
Delta R.T. 0.000 min

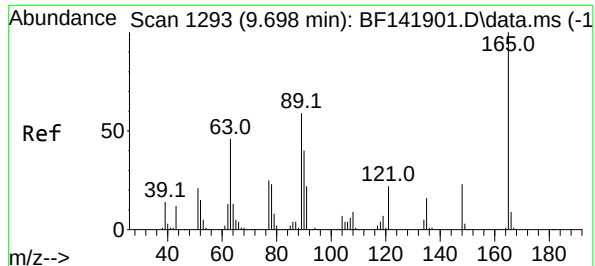
Lab File: BF141906.D

Acq: 10 Mar 2025 15:53

Tgt Ion:163 Resp: 1272572

Ion	Ratio	Lower	Upper
163	100		
194	3.9	3.1	4.7
164	10.4	8.2	12.4





#51

2,6-Dinitrotoluene

Concen: 38.970 ng

RT: 9.698 min Scan# 1293

Delta R.T. 0.000 min

Lab File: BF141906.D

Acq: 10 Mar 2025 15:53

Instrument :

BNA_F

ClientSampleId :

ICVBF031025

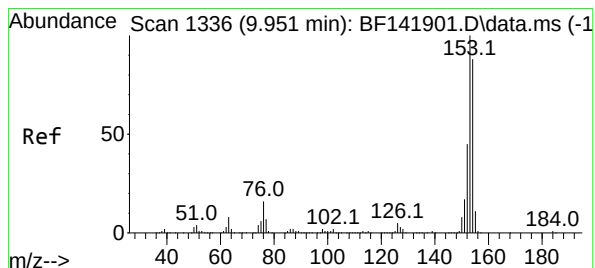
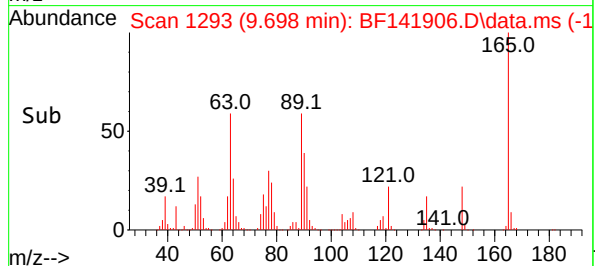
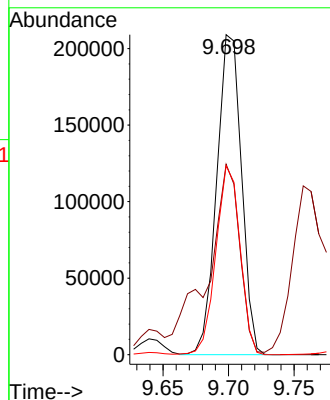
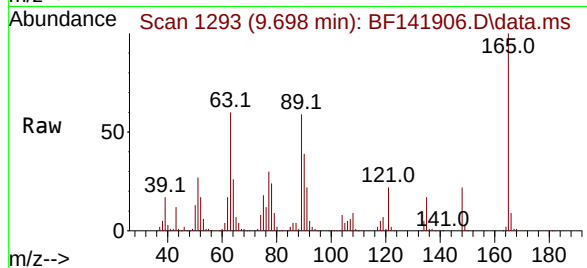
Tgt Ion:165 Resp: 274531

Ion Ratio Lower Upper

165 100

63 59.5 47.0 70.4

89 59.1 47.4 71.2



#52

Acenaphthene

Concen: 38.405 ng

RT: 9.951 min Scan# 1336

Delta R.T. 0.000 min

Lab File: BF141906.D

Acq: 10 Mar 2025 15:53

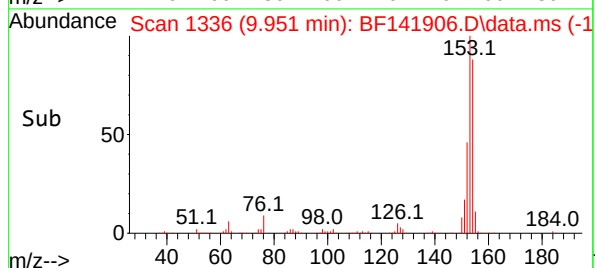
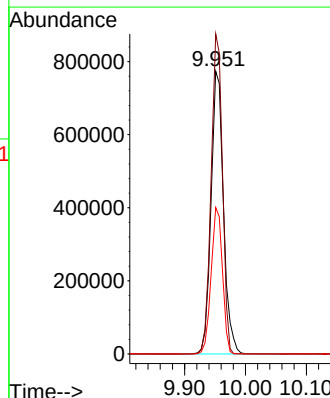
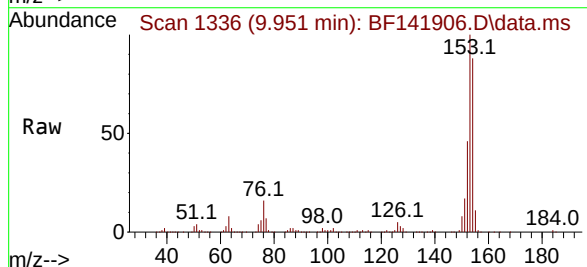
Tgt Ion:154 Resp: 1095922

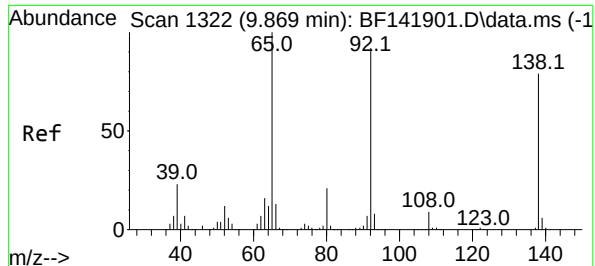
Ion Ratio Lower Upper

154 100

153 113.2 90.7 136.1

152 51.8 41.1 61.7

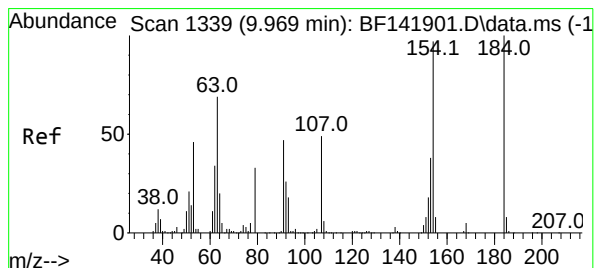
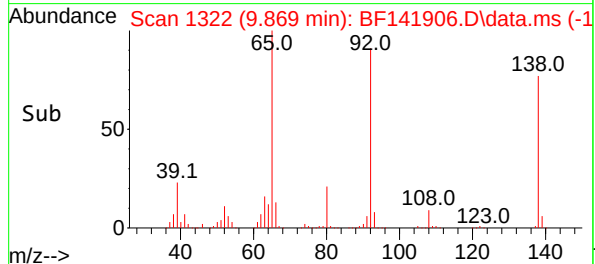
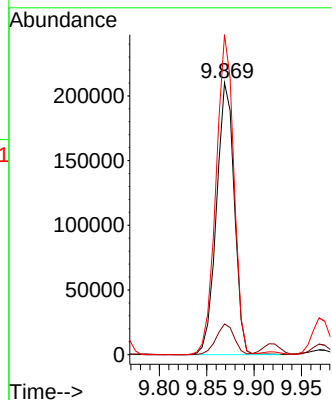
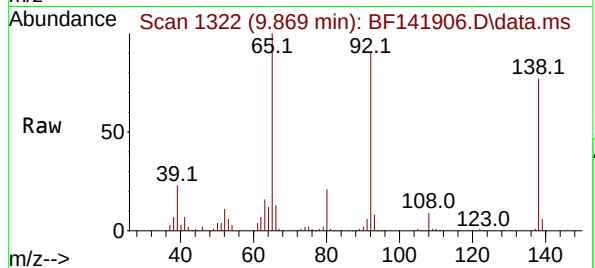




#53
3-Nitroaniline
Concen: 38.561 ng
RT: 9.869 min Scan# 1322
Delta R.T. 0.000 min
Lab File: BF141906.D
Acq: 10 Mar 2025 15:53

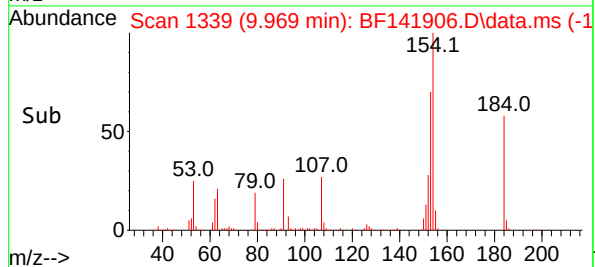
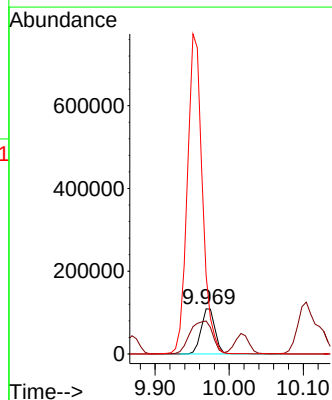
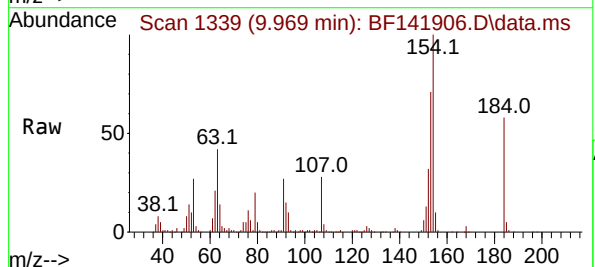
Instrument :
BNA_F
ClientSampleId :
ICVBF031025

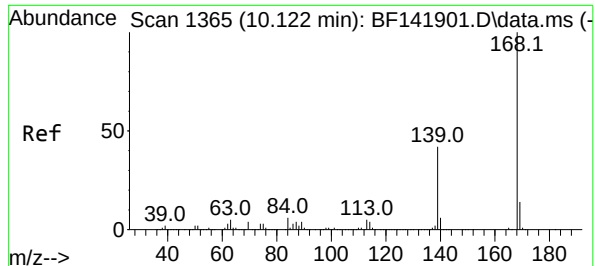
Tgt Ion:138 Resp: 275555
Ion Ratio Lower Upper
138 100
108 11.3 9.3 13.9
92 117.7 93.5 140.3



#54
2,4-Dinitrophenol
Concen: 39.326 ng
RT: 9.969 min Scan# 1339
Delta R.T. -0.000 min
Lab File: BF141906.D
Acq: 10 Mar 2025 15:53

Tgt Ion:184 Resp: 142831
Ion Ratio Lower Upper
184 100
63 73.1 60.2 90.4
154 173.5 132.9 199.3

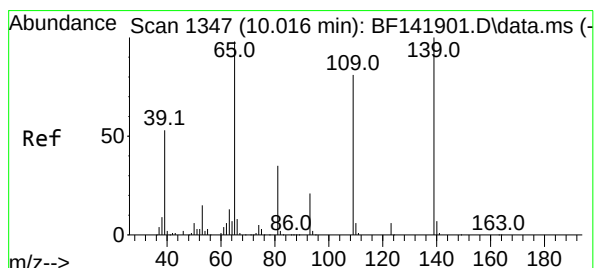
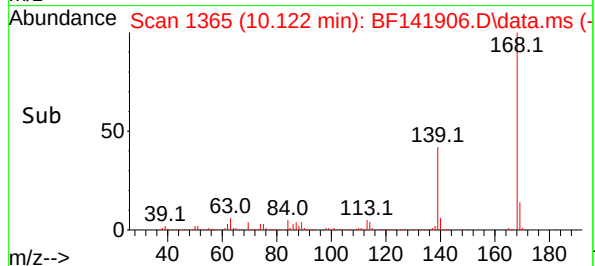
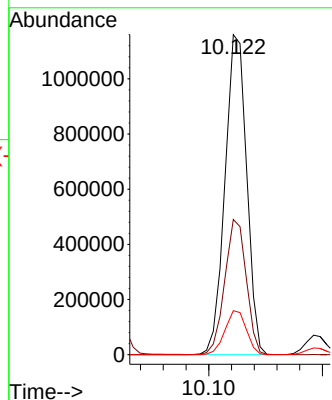
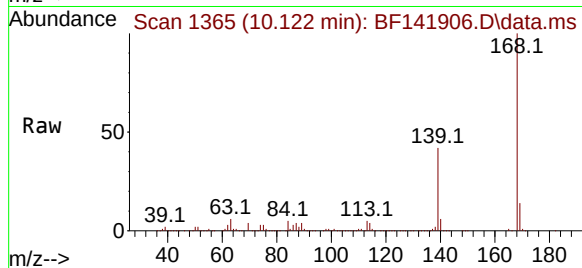




#55
Dibenzenofuran
Concen: 37.778 ng
RT: 10.122 min Scan# 1365
Delta R.T. 0.000 min
Lab File: BF141906.D
Acq: 10 Mar 2025 15:53

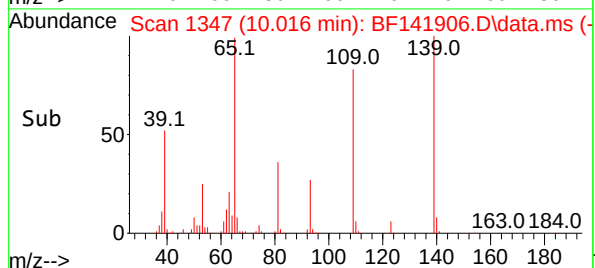
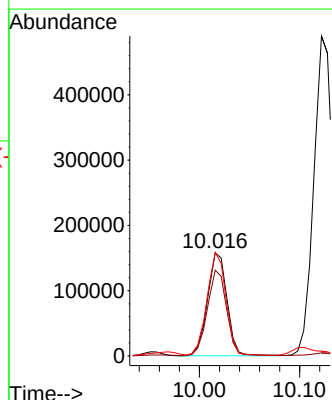
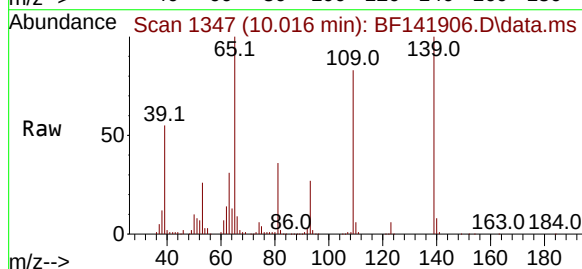
Instrument :
BNA_F
ClientSampleId :
ICVBF031025

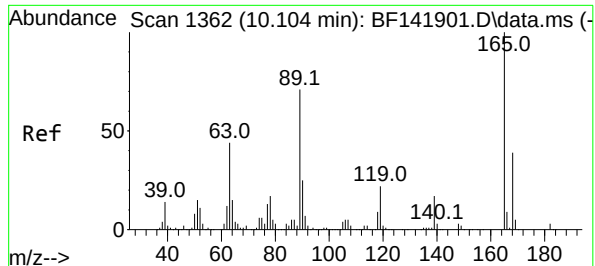
Tgt Ion:168 Resp: 1540381
Ion Ratio Lower Upper
168 100
139 42.2 33.9 50.9
169 13.8 11.0 16.4



#56
4-Nitrophenol
Concen: 39.425 ng
RT: 10.016 min Scan# 1347
Delta R.T. 0.000 min
Lab File: BF141906.D
Acq: 10 Mar 2025 15:53

Tgt Ion:139 Resp: 212462
Ion Ratio Lower Upper
139 100
109 83.2 61.6 101.6
65 100.4 79.4 119.4

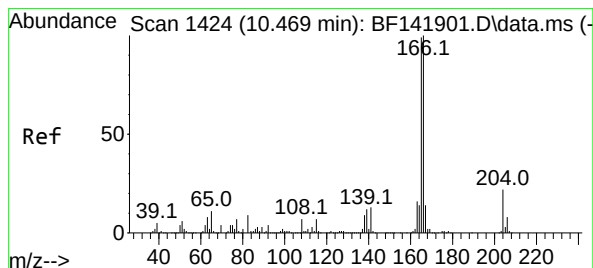
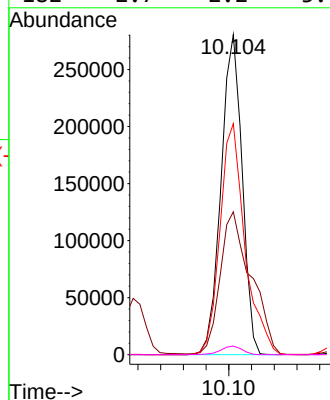
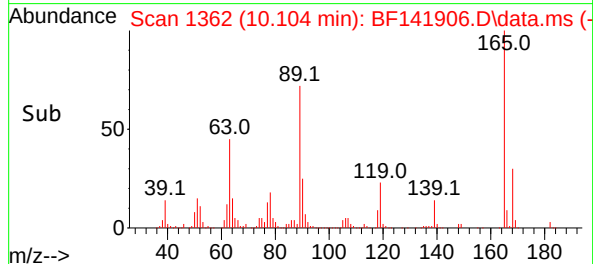
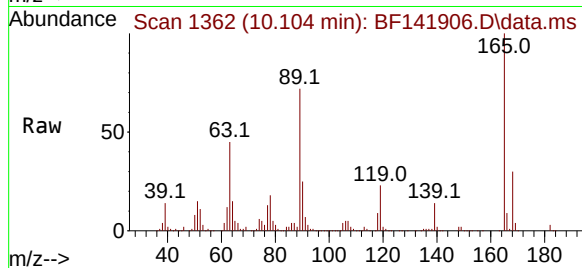




#57
2,4-Dinitrotoluene
Concen: 39.291 ng
RT: 10.104 min Scan# 1362
Delta R.T. 0.000 min
Lab File: BF141906.D
Acq: 10 Mar 2025 15:53

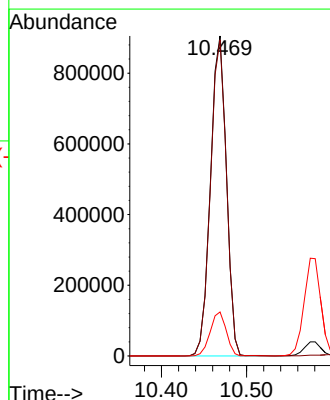
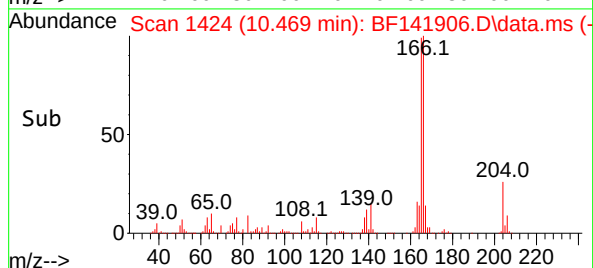
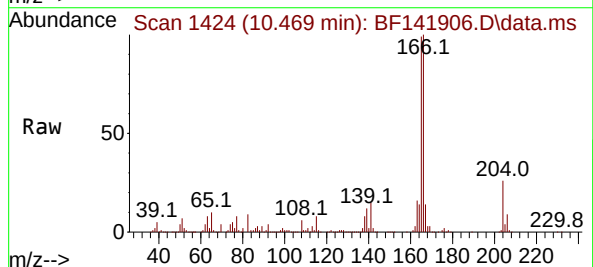
Instrument :
BNA_F
ClientSampleId :
ICVBF031025

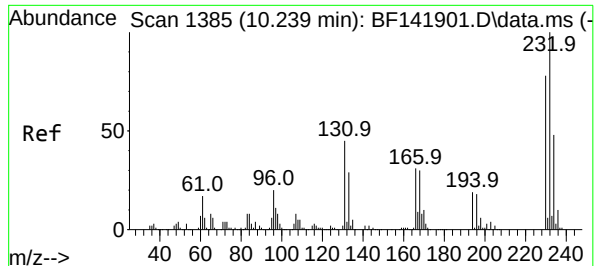
Tgt Ion:165 Resp: 361518
Ion Ratio Lower Upper
165 100
63 44.7 35.4 53.2
89 72.2 56.6 84.8
182 2.7 2.2 3.4



#58
Fluorene
Concen: 37.381 ng
RT: 10.469 min Scan# 1424
Delta R.T. 0.000 min
Lab File: BF141906.D
Acq: 10 Mar 2025 15:53

Tgt Ion:166 Resp: 1175392
Ion Ratio Lower Upper
166 100
165 98.8 79.0 118.4
167 13.8 11.0 16.4

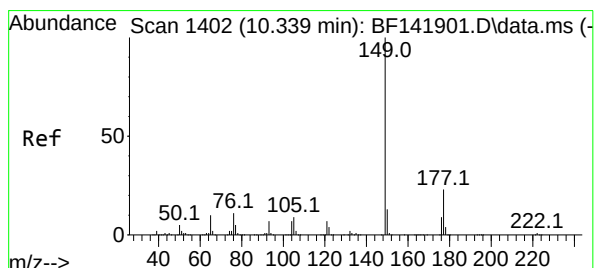
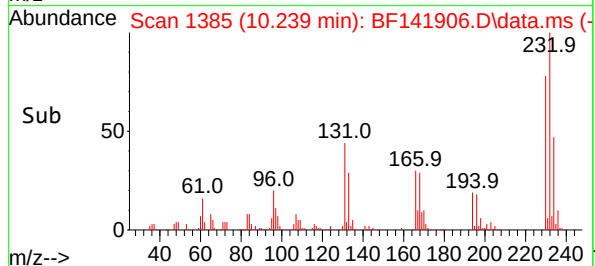
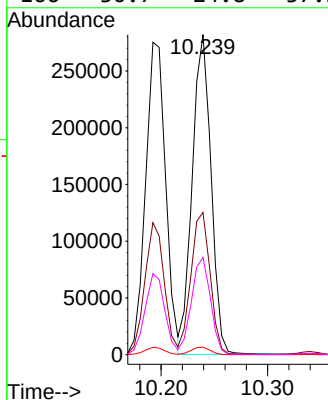
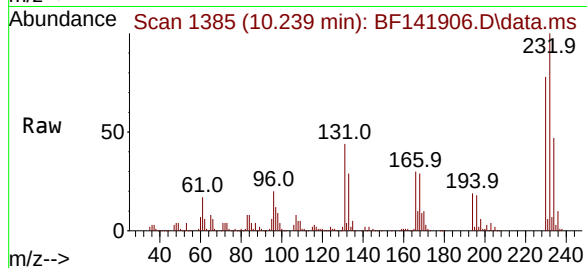




#59
2,3,4,6-Tetrachlorophenol
Concen: 39.070 ng
RT: 10.239 min Scan# 1385
Delta R.T. 0.000 min
Lab File: BF141906.D
Acq: 10 Mar 2025 15:53

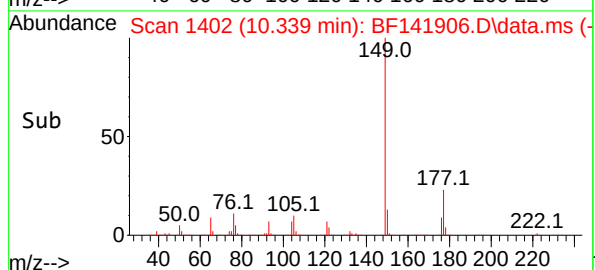
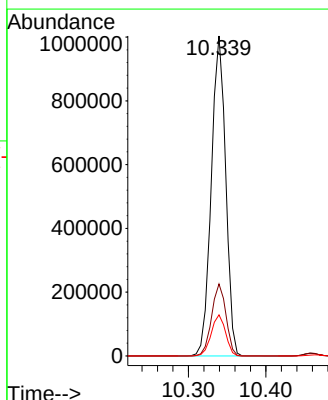
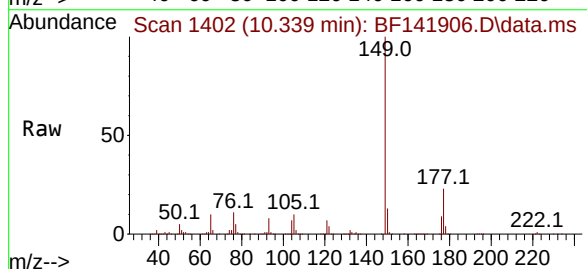
Instrument :
BNA_F
ClientSampleId :
ICVBF031025

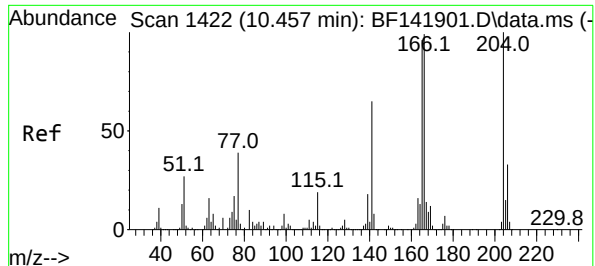
Tgt Ion:232 Resp: 346168
Ion Ratio Lower Upper
232 100
131 45.8 37.3 55.9
130 2.4 1.9 2.9
166 30.7 24.8 37.2



#60
Diethylphthalate
Concen: 38.337 ng
RT: 10.339 min Scan# 1402
Delta R.T. 0.000 min
Lab File: BF141906.D
Acq: 10 Mar 2025 15:53

Tgt Ion:149 Resp: 1293401
Ion Ratio Lower Upper
149 100
177 22.5 18.0 27.0
150 12.8 10.2 15.4

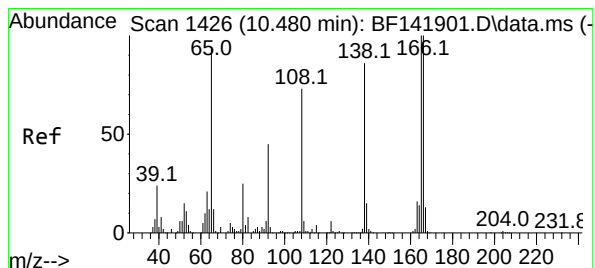
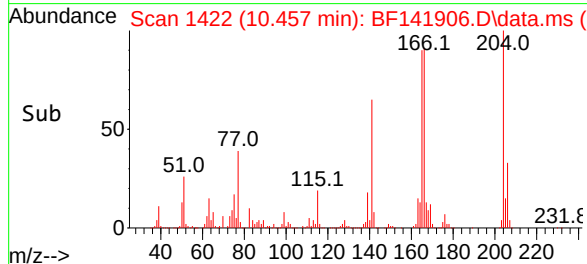
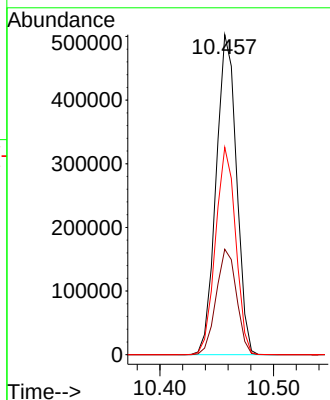
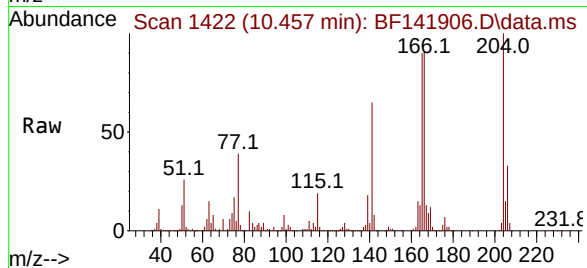




#61
4-Chlorophenyl-phenylether
Concen: 38.272 ng
RT: 10.457 min Scan# 1422
Delta R.T. 0.000 min
Lab File: BF141906.D
Acq: 10 Mar 2025 15:53

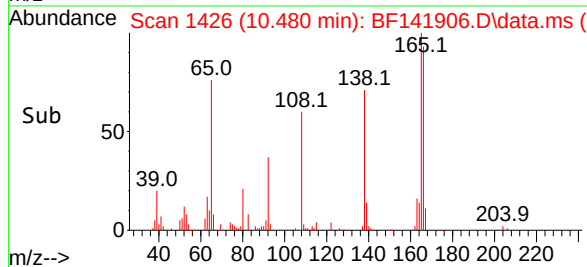
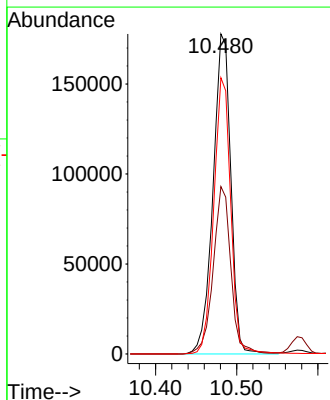
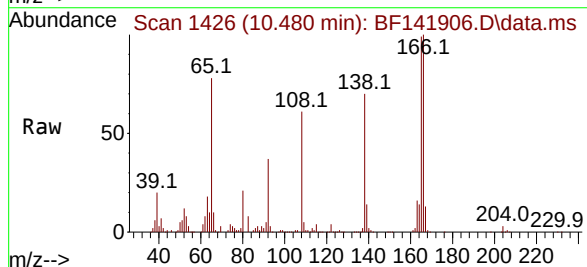
Instrument :
BNA_F
ClientSampleId :
ICVBF031025

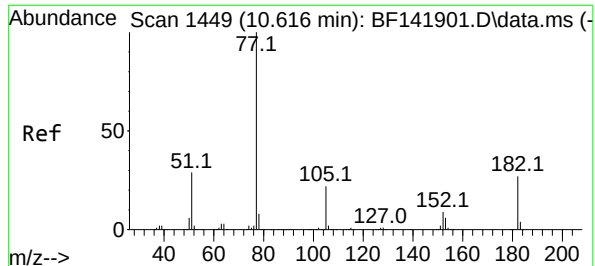
Tgt Ion:204 Resp: 627404
Ion Ratio Lower Upper
204 100
206 33.0 26.8 40.2
141 64.8 52.4 78.6



#62
4-Nitroaniline
Concen: 38.953 ng
RT: 10.480 min Scan# 1426
Delta R.T. 0.000 min
Lab File: BF141906.D
Acq: 10 Mar 2025 15:53

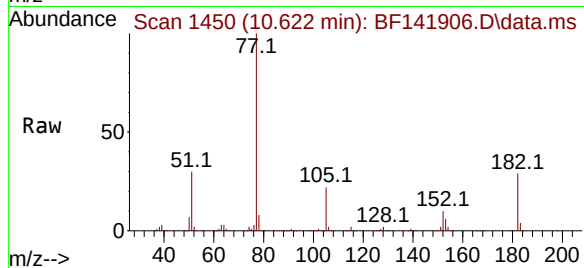
Tgt Ion:138 Resp: 270993
Ion Ratio Lower Upper
138 100
92 52.3 32.6 72.6
108 86.3 65.0 105.0



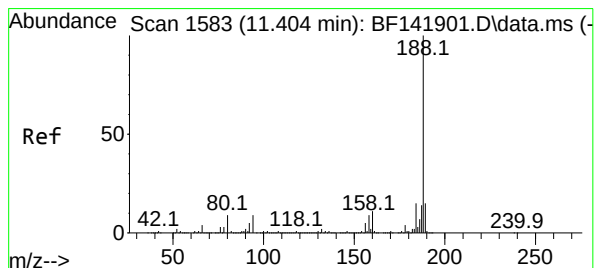
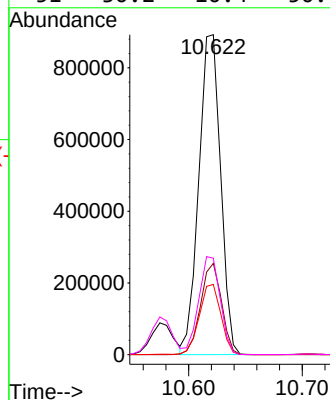
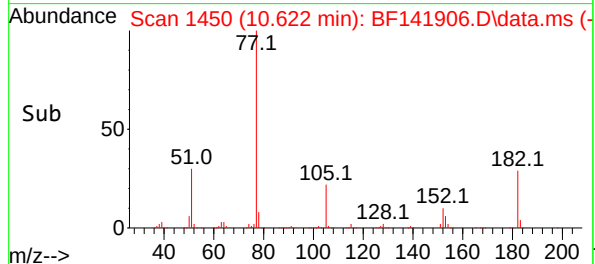


#63
Azobenzene
Concen: 37.911 ng
RT: 10.622 min Scan# 1449
Delta R.T. 0.006 min
Lab File: BF141906.D
Acq: 10 Mar 2025 15:53

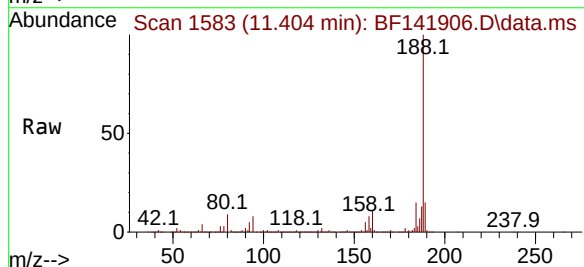
Instrument :
BNA_F
ClientSampleId :
ICVBF031025



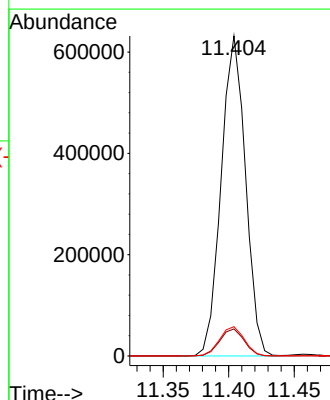
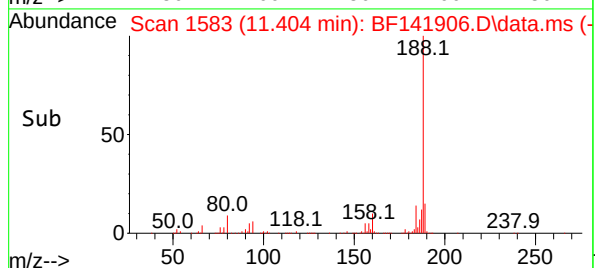
Tgt Ion: 77 Resp: 1189121
Ion Ratio Lower Upper
77 100
182 28.5 6.6 46.6
105 22.0 1.3 41.3
51 30.2 10.4 50.4

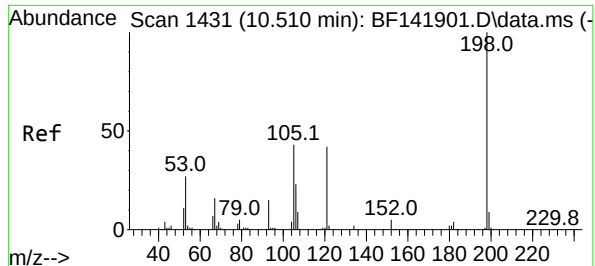


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.404 min Scan# 1583
Delta R.T. -0.000 min
Lab File: BF141906.D
Acq: 10 Mar 2025 15:53



Tgt Ion: 188 Resp: 813672
Ion Ratio Lower Upper
188 100
94 8.5 6.8 10.2
80 9.1 7.6 11.4

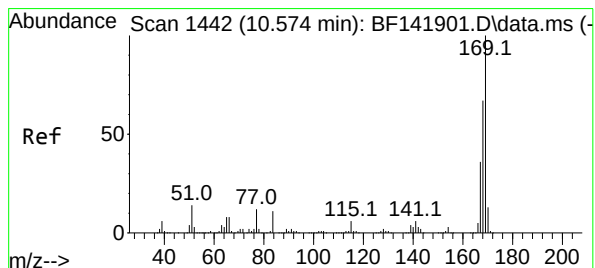
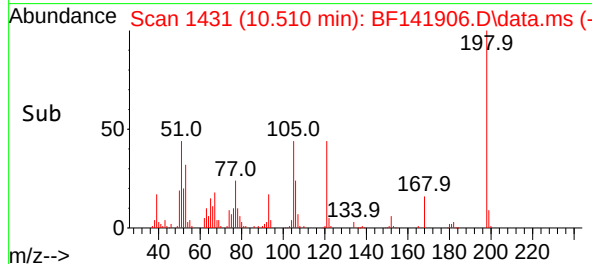
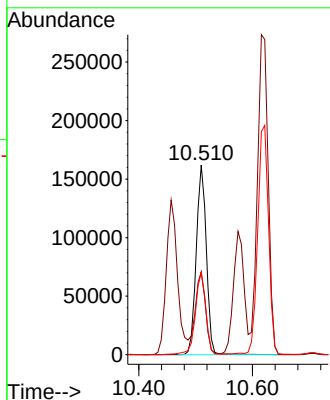
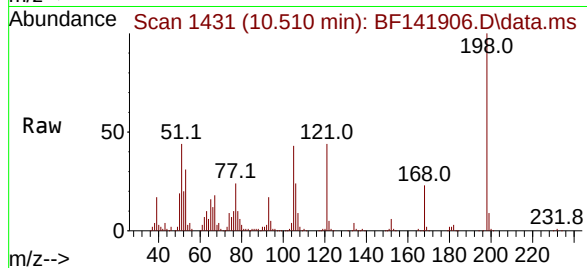




#65
4,6-Dinitro-2-methylphenol
Concen: 41.415 ng
RT: 10.510 min Scan# 1431
Delta R.T. -0.000 min
Lab File: BF141906.D
Acq: 10 Mar 2025 15:53

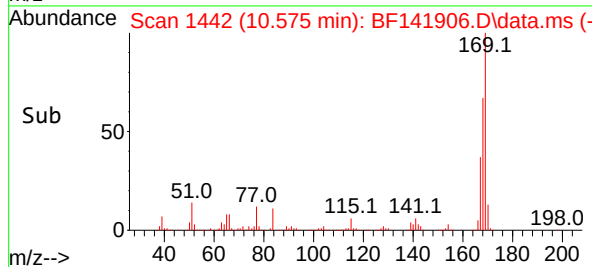
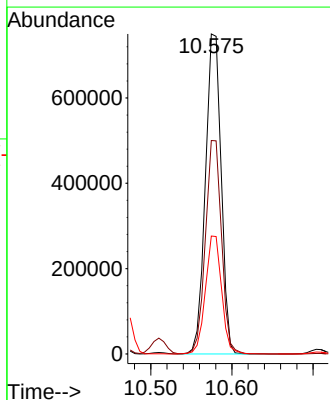
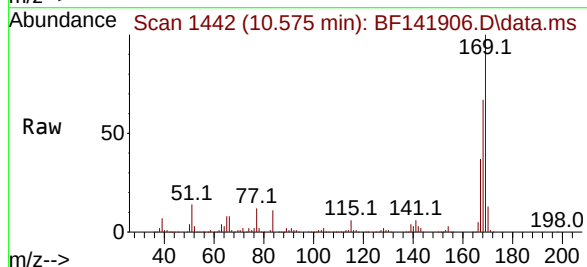
Instrument :
BNA_F
ClientSampleId :
ICVBF031025

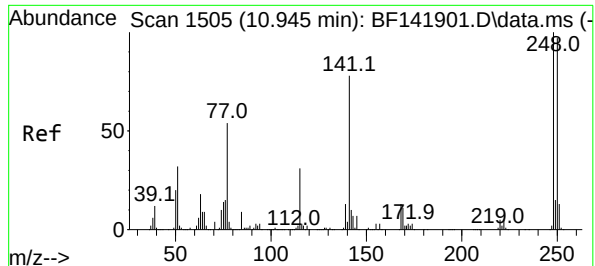
Tgt Ion:198 Resp: 200888
Ion Ratio Lower Upper
198 100
51 43.7 22.3 62.3
105 43.4 23.0 63.0



#66
n-Nitrosodiphenylamine
Concen: 38.283 ng
RT: 10.575 min Scan# 1442
Delta R.T. 0.000 min
Lab File: BF141906.D
Acq: 10 Mar 2025 15:53

Tgt Ion:169 Resp: 1008029
Ion Ratio Lower Upper
169 100
168 66.7 53.7 80.5
167 36.9 29.2 43.8

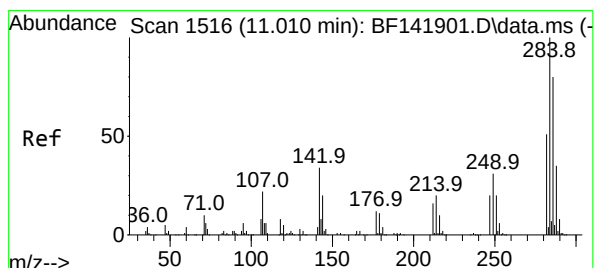
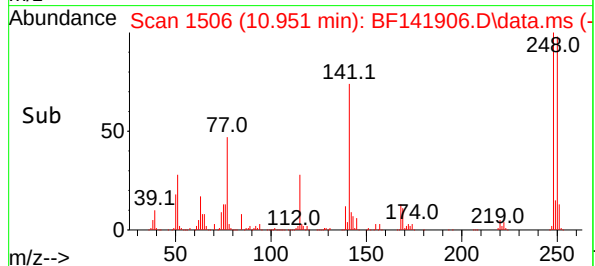
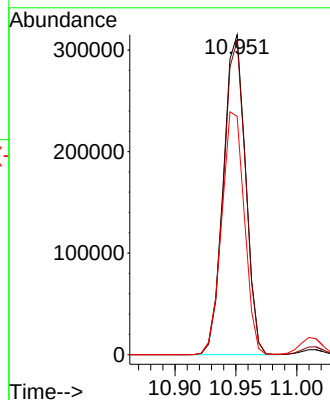
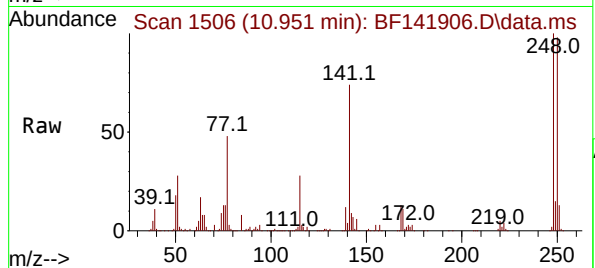




#67
4-Bromophenyl-phenylether
Concen: 39.015 ng
RT: 10.951 min Scan# 1506
Delta R.T. 0.006 min
Lab File: BF141906.D
Acq: 10 Mar 2025 15:53

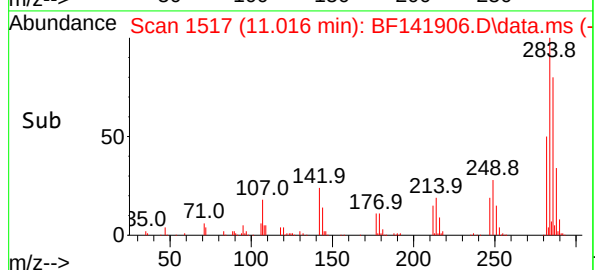
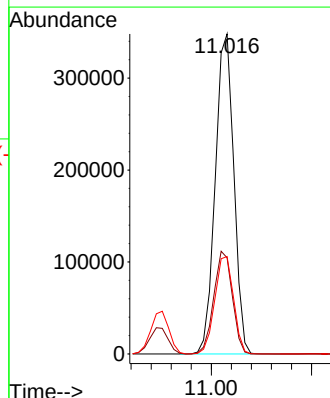
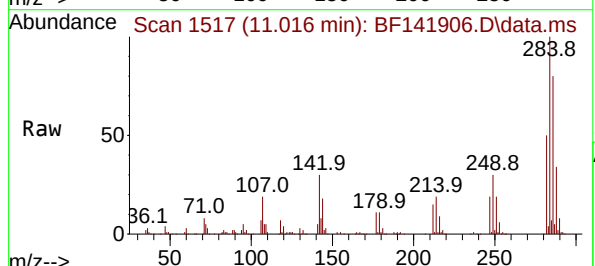
Instrument :
BNA_F
ClientSampleId :
ICVBF031025

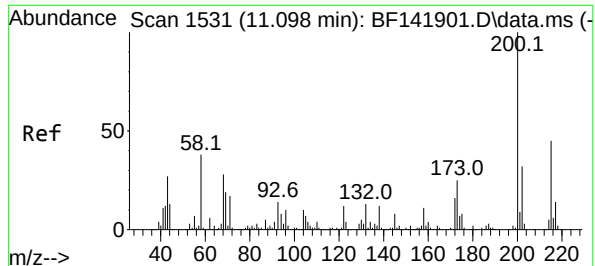
Tgt Ion:248 Resp: 398683
Ion Ratio Lower Upper
248 100
250 98.1 77.8 116.8
141 74.4 62.6 93.8



#68
Hexachlorobenzene
Concen: 39.789 ng
RT: 11.016 min Scan# 1517
Delta R.T. 0.006 min
Lab File: BF141906.D
Acq: 10 Mar 2025 15:53

Tgt Ion:284 Resp: 445938
Ion Ratio Lower Upper
284 100
142 30.0 27.0 40.6
249 30.5 25.2 37.8





#69

Atrazine

Concen: 31.945 ng

RT: 11.098 min Scan# 1531

Delta R.T. 0.000 min

Lab File: BF141906.D

Acq: 10 Mar 2025 15:53

Instrument :

BNA_F

ClientSampleId :

ICVBF031025

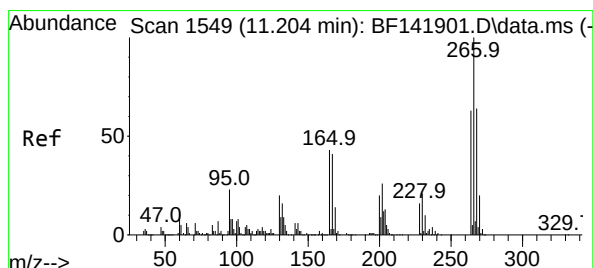
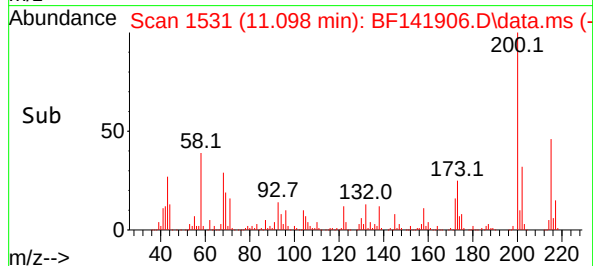
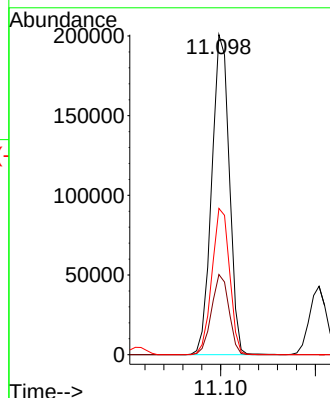
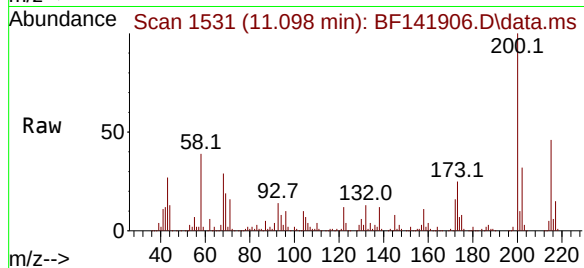
Tgt Ion:200 Resp: 257856

Ion Ratio Lower Upper

200 100

173 25.1 4.7 44.7

215 45.7 25.4 65.4



#70

Pentachlorophenol

Concen: 41.955 ng

RT: 11.204 min Scan# 1549

Delta R.T. 0.000 min

Lab File: BF141906.D

Acq: 10 Mar 2025 15:53

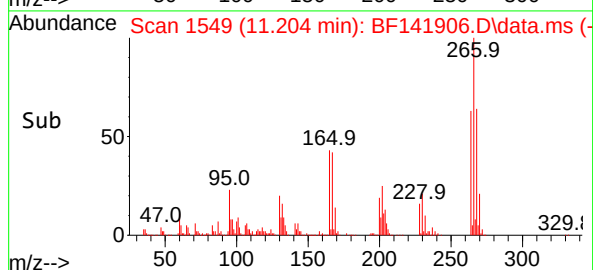
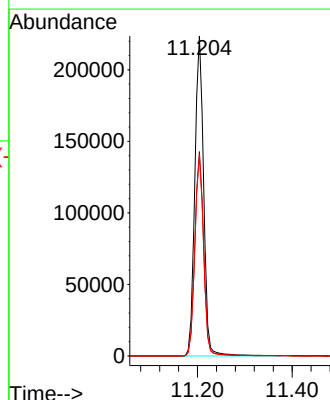
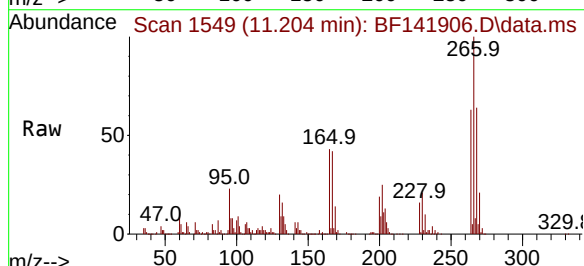
Tgt Ion:266 Resp: 289713

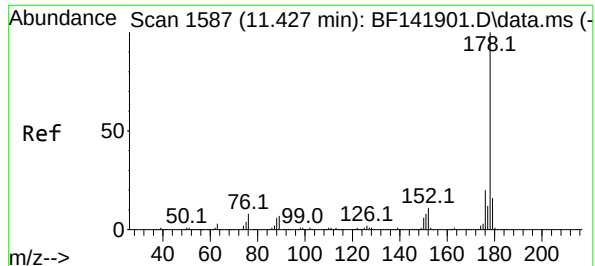
Ion Ratio Lower Upper

266 100

268 63.8 51.0 76.6

264 62.9 50.2 75.2

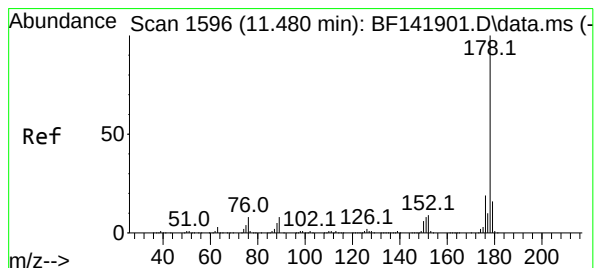
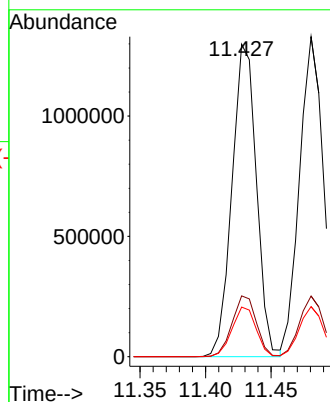
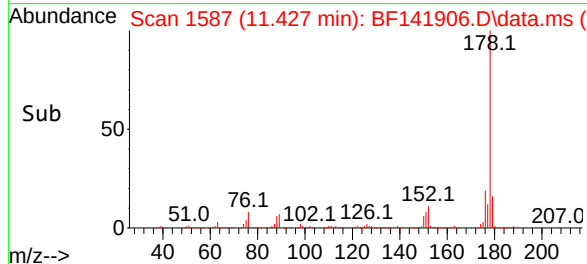
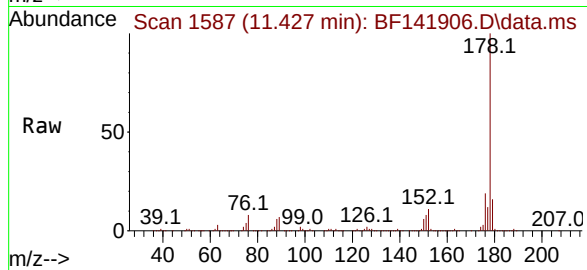




#71
Phenanthrene
Concen: 38.357 ng
RT: 11.427 min Scan# 1587
Delta R.T. 0.000 min
Lab File: BF141906.D
Acq: 10 Mar 2025 15:53

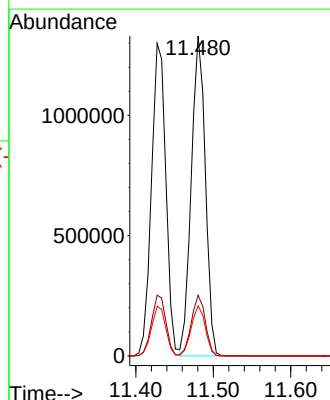
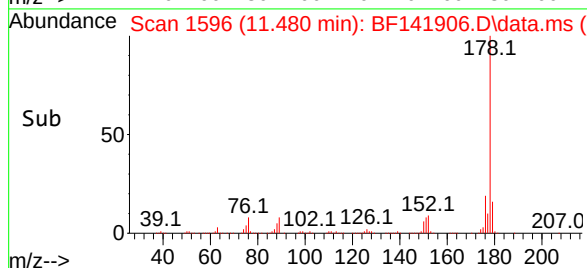
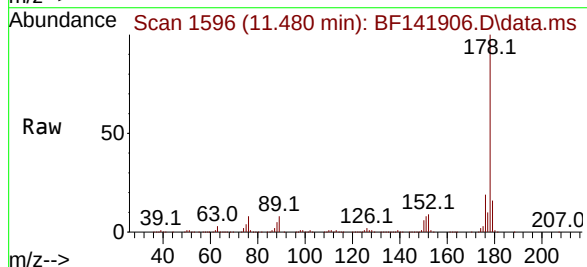
Instrument :
BNA_F
ClientSampleId :
ICVBF031025

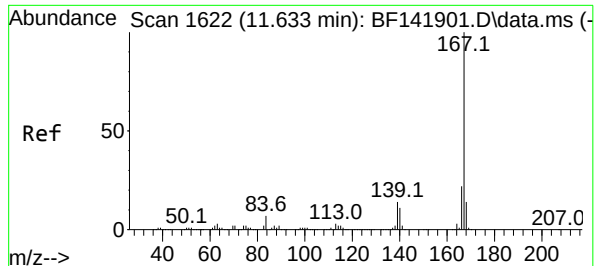
Tgt Ion:178 Resp: 1685770
Ion Ratio Lower Upper
178 100
176 19.5 15.8 23.8
179 15.9 12.6 19.0



#72
Anthracene
Concen: 37.991 ng
RT: 11.480 min Scan# 1596
Delta R.T. 0.000 min
Lab File: BF141906.D
Acq: 10 Mar 2025 15:53

Tgt Ion:178 Resp: 1675103
Ion Ratio Lower Upper
178 100
176 18.9 15.1 22.7
179 15.7 12.6 19.0

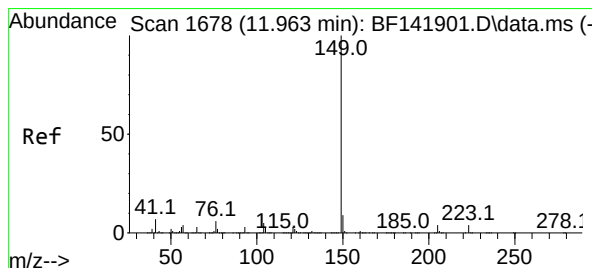
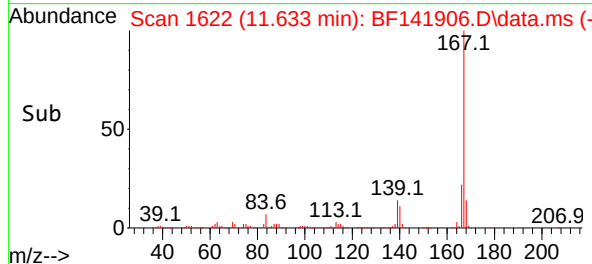
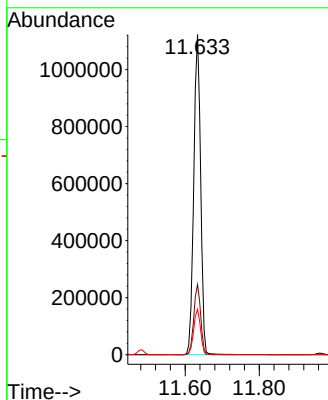
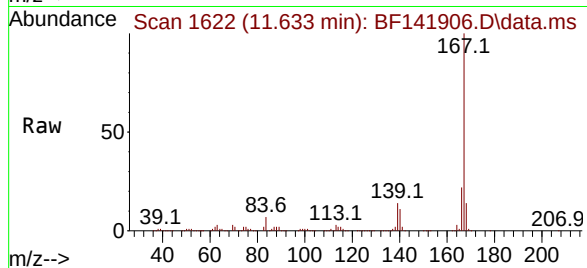




#73
Carbazole
Concen: 38.167 ng
RT: 11.633 min Scan# 1622
Delta R.T. 0.000 min
Lab File: BF141906.D
Acq: 10 Mar 2025 15:53

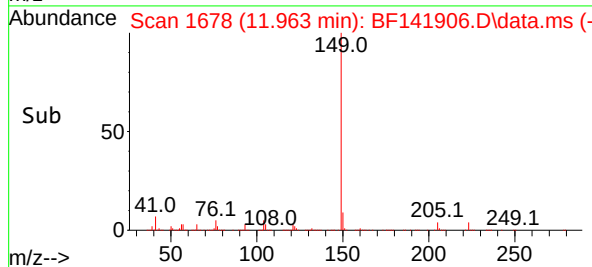
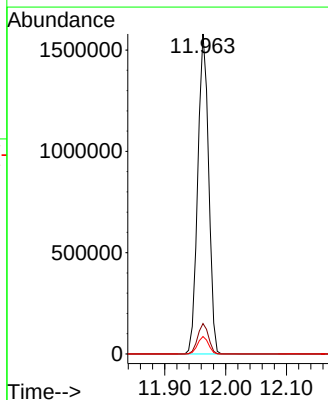
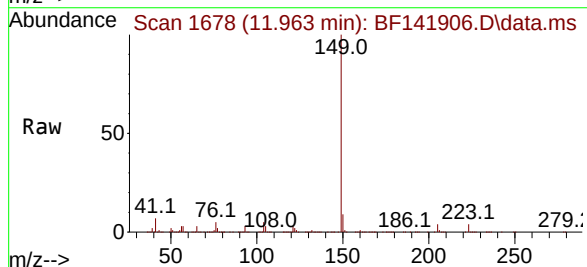
Instrument :
BNA_F
ClientSampleId :
ICVBF031025

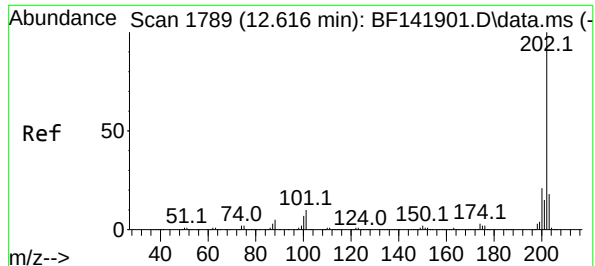
Tgt Ion:167 Resp: 1451333
Ion Ratio Lower Upper
167 100
166 22.0 17.4 26.2
139 14.2 11.0 16.6



#74
Di-n-butylphthalate
Concen: 38.717 ng
RT: 11.963 min Scan# 1678
Delta R.T. 0.000 min
Lab File: BF141906.D
Acq: 10 Mar 2025 15:53

Tgt Ion:149 Resp: 1953516
Ion Ratio Lower Upper
149 100
150 9.5 7.6 11.4
104 5.5 4.4 6.6

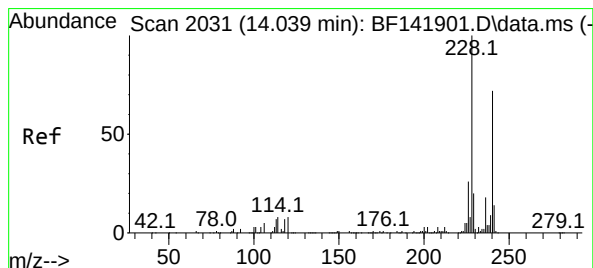
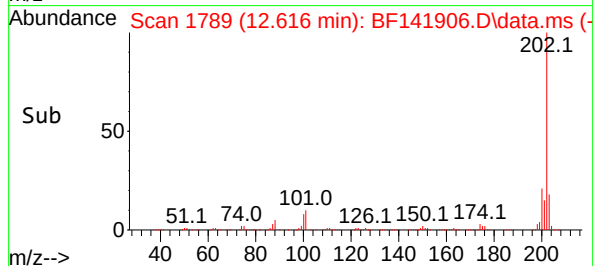
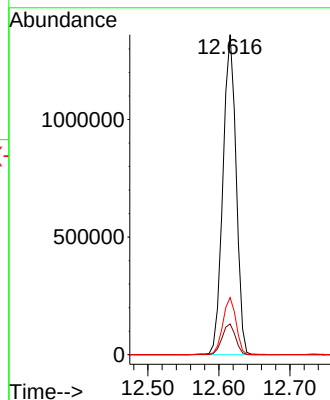
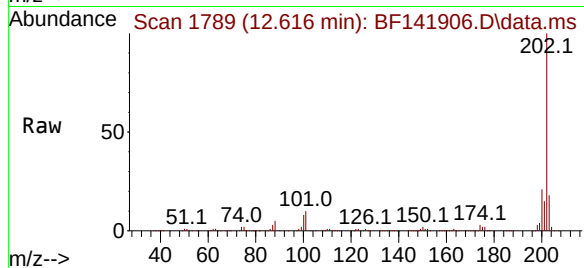




#75
Fluoranthene
Concen: 37.545 ng
RT: 12.616 min Scan# 1789
Delta R.T. 0.000 min
Lab File: BF141906.D
Acq: 10 Mar 2025 15:53

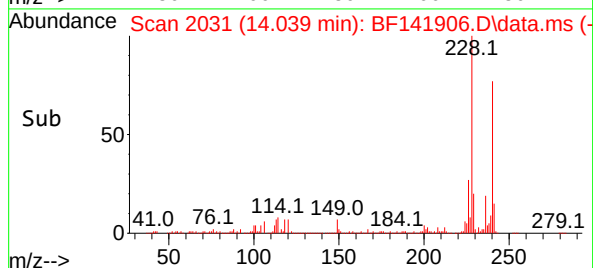
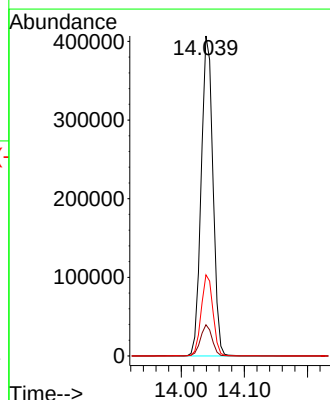
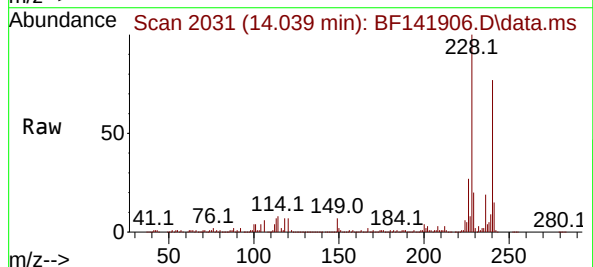
Instrument :
BNA_F
ClientSampleId :
ICVBF031025

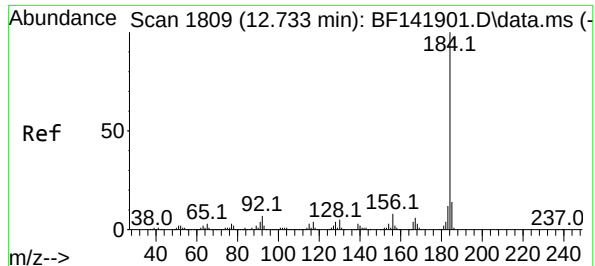
Tgt Ion:202 Resp: 1750317
Ion Ratio Lower Upper
202 100
101 9.6 0.0 29.7
203 17.9 0.0 37.8



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.039 min Scan# 2031
Delta R.T. 0.000 min
Lab File: BF141906.D
Acq: 10 Mar 2025 15:53

Tgt Ion:240 Resp: 523890
Ion Ratio Lower Upper
240 100
120 9.8 8.4 12.6
236 25.3 20.5 30.7

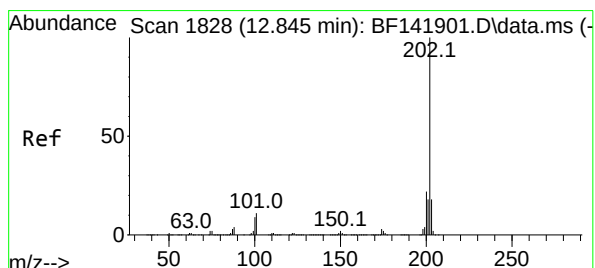
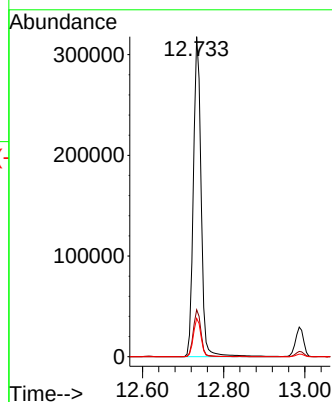
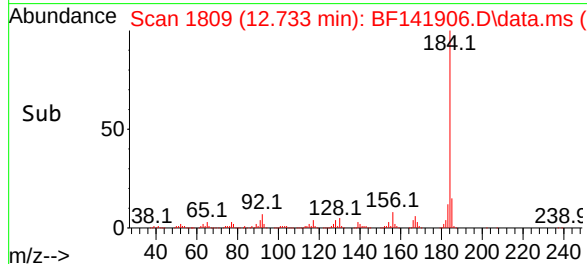
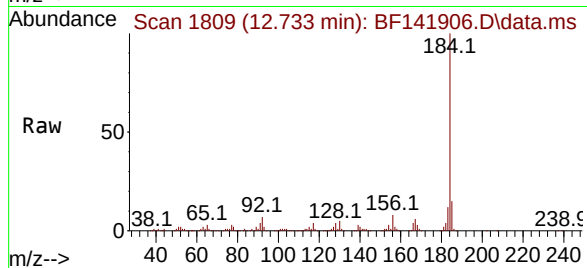




#77
Benzidine
Concen: 57.513 ng
RT: 12.733 min Scan# 1809
Delta R.T. 0.000 min
Lab File: BF141906.D
Acq: 10 Mar 2025 15:53

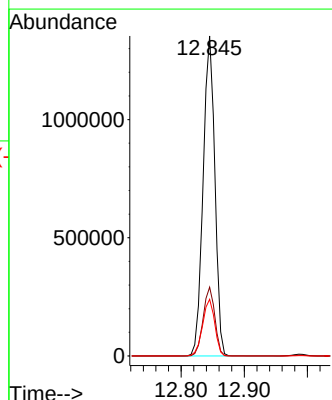
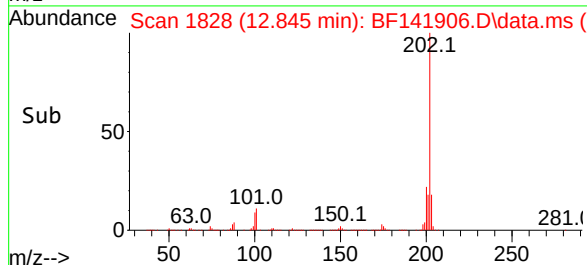
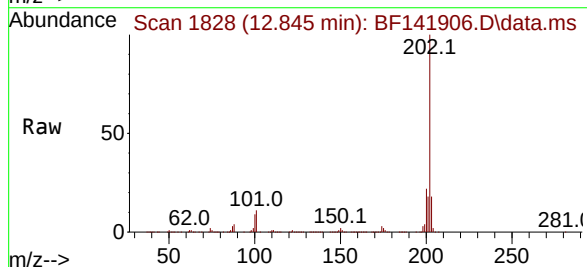
Instrument :
BNA_F
ClientSampleId :
ICVBF031025

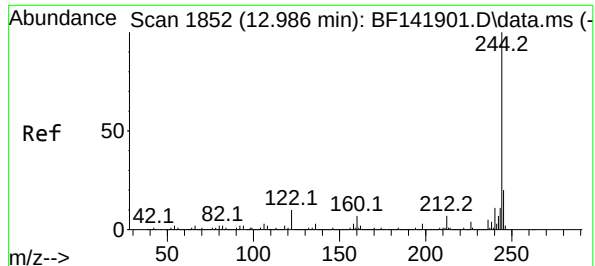
Tgt Ion:184 Resp: 420377
Ion Ratio Lower Upper
184 100
185 14.7 11.5 17.3
183 12.0 9.7 14.5



#78
Pyrene
Concen: 38.539 ng
RT: 12.845 min Scan# 1828
Delta R.T. 0.000 min
Lab File: BF141906.D
Acq: 10 Mar 2025 15:53

Tgt Ion:202 Resp: 1746456
Ion Ratio Lower Upper
202 100
200 21.5 17.3 25.9
203 17.7 14.4 21.6





#79

Terphenyl-d14

Concen: 79.748 ng

RT: 12.986 min Scan# 1852

Delta R.T. 0.000 min

Lab File: BF141906.D

Acq: 10 Mar 2025 15:53

Instrument :

BNA_F

ClientSampleId :

ICVBF031025

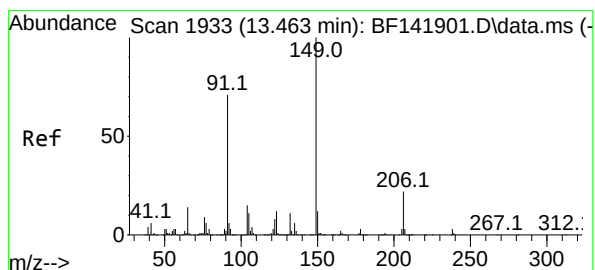
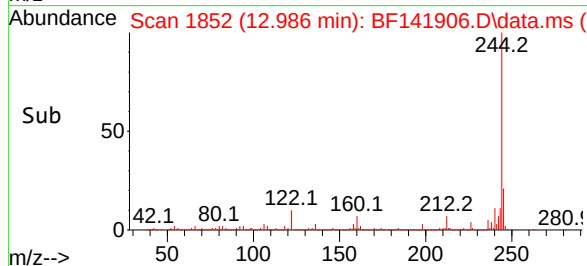
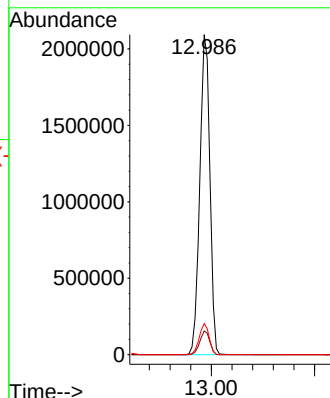
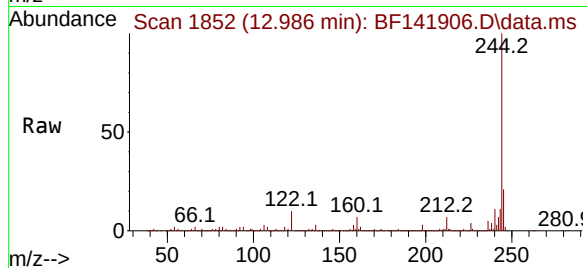
Tgt Ion:244 Resp: 2825870

Ion Ratio Lower Upper

244 100

212 7.4 6.0 9.0

122 9.7 7.7 11.5



#80

Butylbenzylphthalate

Concen: 40.778 ng

RT: 13.463 min Scan# 1933

Delta R.T. 0.000 min

Lab File: BF141906.D

Acq: 10 Mar 2025 15:53

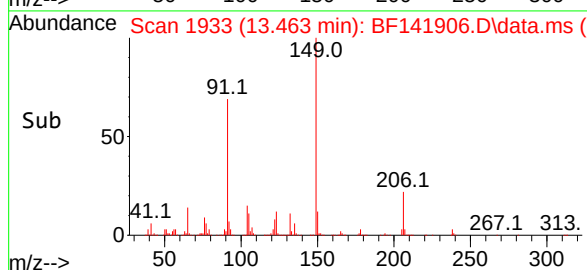
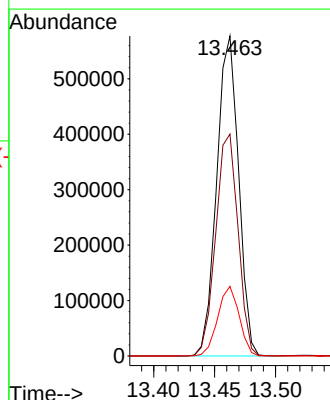
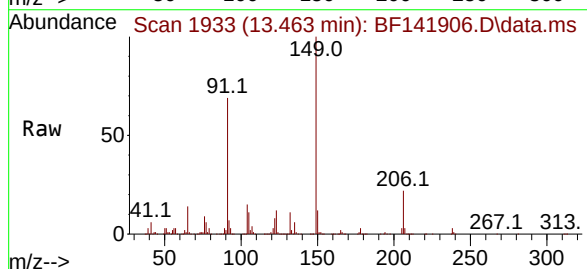
Tgt Ion:149 Resp: 723288

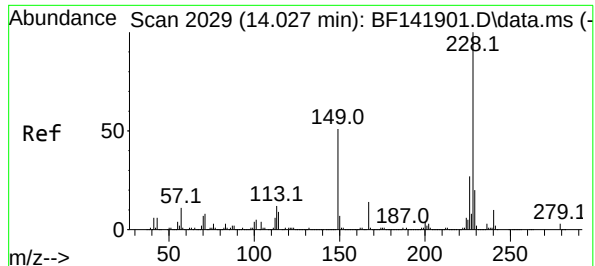
Ion Ratio Lower Upper

149 100

91 69.3 56.5 84.7

206 21.8 17.3 25.9

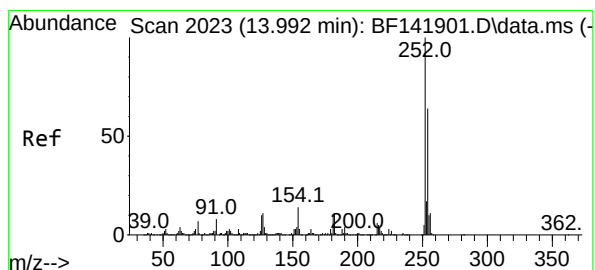
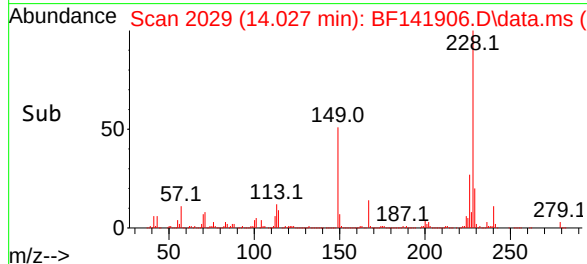
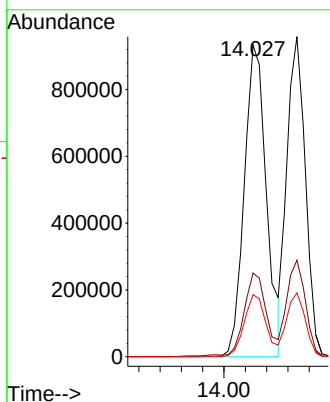
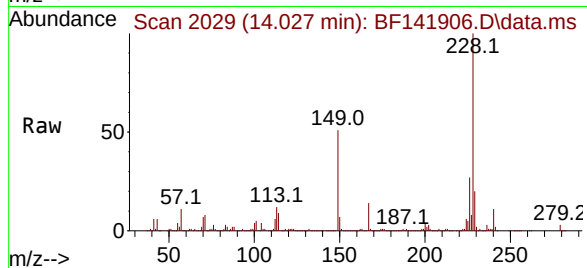




#81
Benzo(a)anthracene
Concen: 39.211 ng
RT: 14.027 min Scan# 2029
Delta R.T. 0.000 min
Lab File: BF141906.D
Acq: 10 Mar 2025 15:53

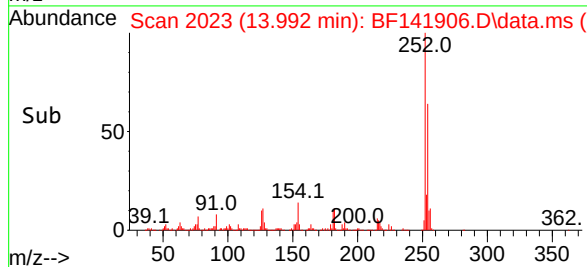
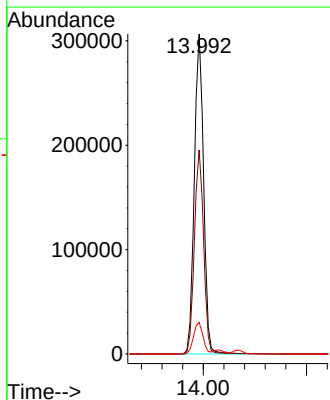
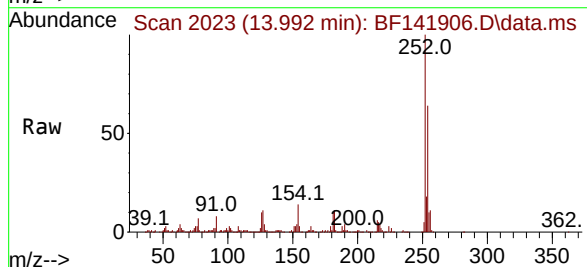
Instrument :
BNA_F
ClientSampleId :
ICVBF031025

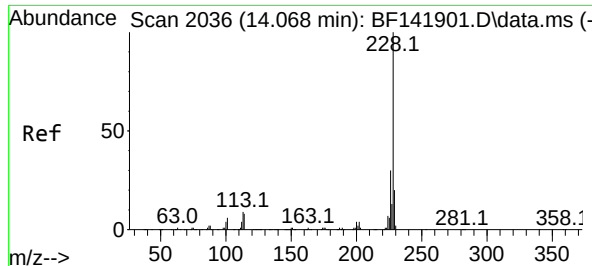
Tgt Ion:228 Resp: 1347977
Ion Ratio Lower Upper
228 100
226 26.9 21.8 32.8
229 20.0 16.0 24.0



#82
3,3'-Dichlorobenzidine
Concen: 38.337 ng
RT: 13.992 min Scan# 2023
Delta R.T. 0.000 min
Lab File: BF141906.D
Acq: 10 Mar 2025 15:53

Tgt Ion:252 Resp: 380866
Ion Ratio Lower Upper
252 100
254 63.8 51.0 76.6
126 9.9 8.4 12.6

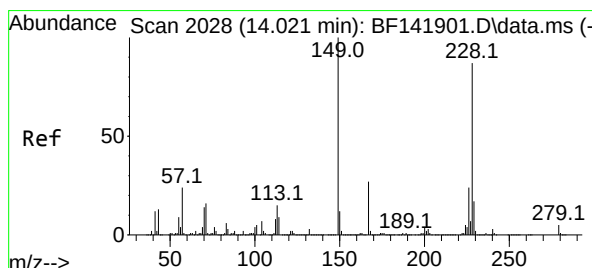
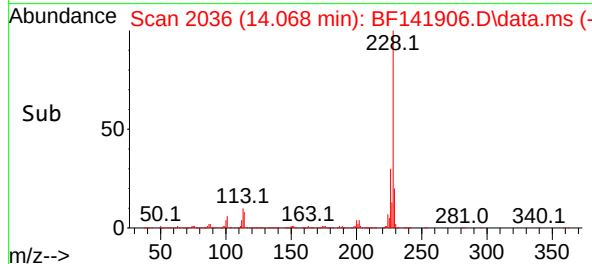
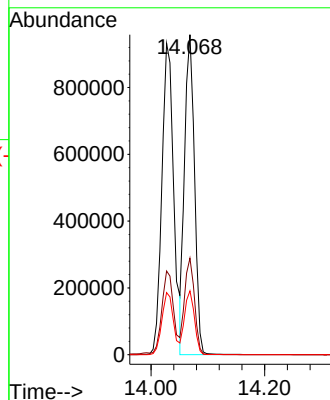
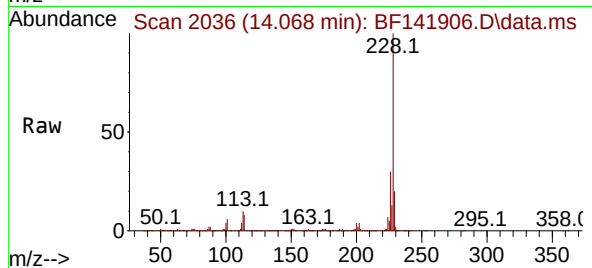




#83
Chrysene
Concen: 37.195 ng
RT: 14.068 min Scan# 2036
Delta R.T. 0.000 min
Lab File: BF141906.D
Acq: 10 Mar 2025 15:53

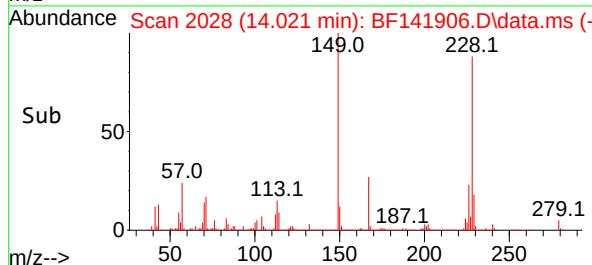
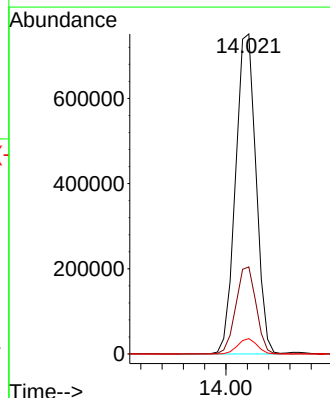
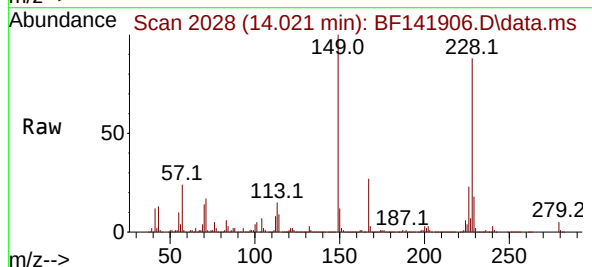
Instrument :
BNA_F
ClientSampleId :
ICVBF031025

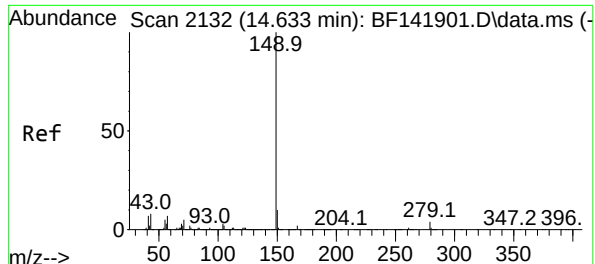
Tgt Ion:228 Resp: 1159074
Ion Ratio Lower Upper
228 100
226 30.2 24.1 36.1
229 20.0 15.7 23.5



#84
Bis(2-ethylhexyl)phthalate
Concen: 41.142 ng
RT: 14.021 min Scan# 2028
Delta R.T. 0.000 min
Lab File: BF141906.D
Acq: 10 Mar 2025 15:53

Tgt Ion:149 Resp: 1006170
Ion Ratio Lower Upper
149 100
167 27.2 21.4 32.0
279 4.8 3.8 5.6

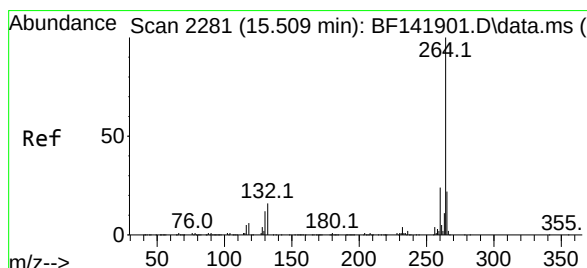
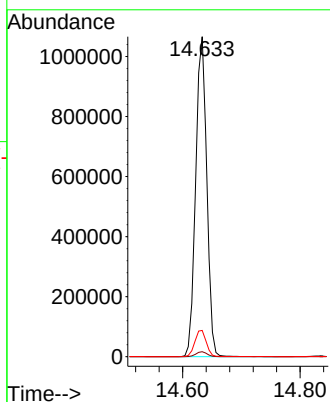
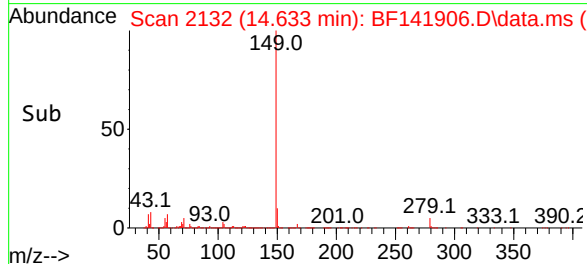
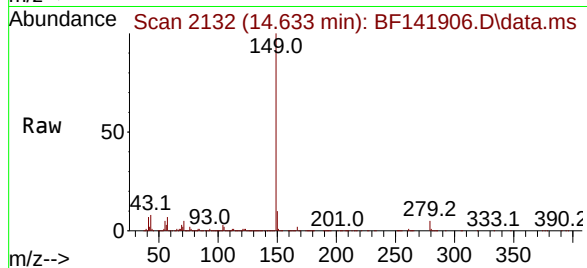




#85
Di-n-octyl phthalate
Concen: 40.971 ng
RT: 14.633 min Scan# 2132
Delta R.T. 0.000 min
Lab File: BF141906.D
Acq: 10 Mar 2025 15:53

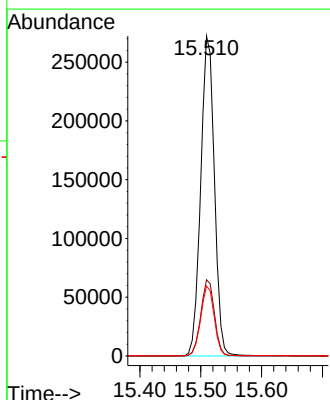
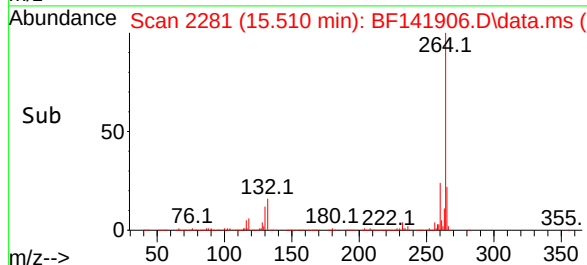
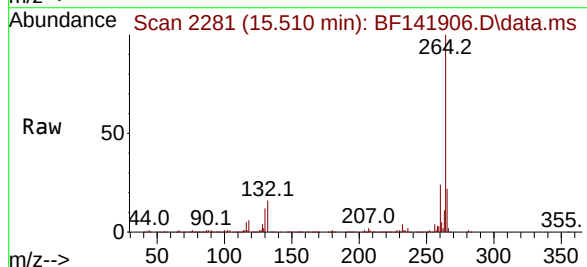
Instrument :
BNA_F
ClientSampleId :
ICVBF031025

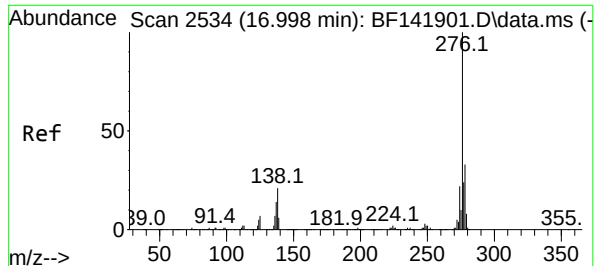
Tgt Ion:149 Resp: 1394136
Ion Ratio Lower Upper
149 100
167 1.6 1.3 1.9
43 8.5 6.9 10.3



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.510 min Scan# 2281
Delta R.T. 0.000 min
Lab File: BF141906.D
Acq: 10 Mar 2025 15:53

Tgt Ion:264 Resp: 426422
Ion Ratio Lower Upper
264 100
260 23.8 19.1 28.7
265 21.8 17.5 26.3

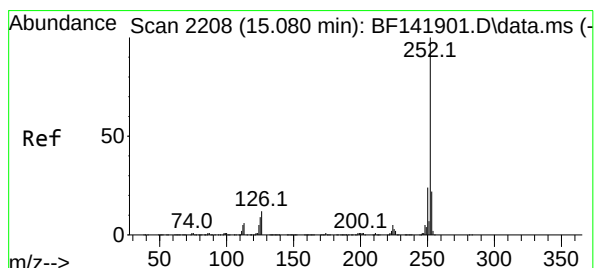
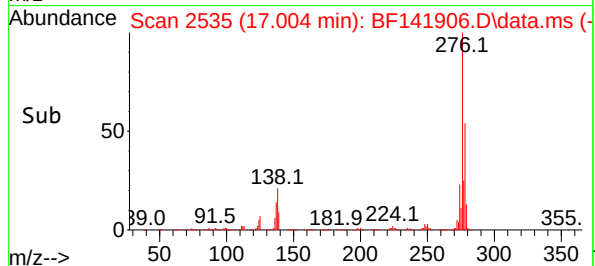
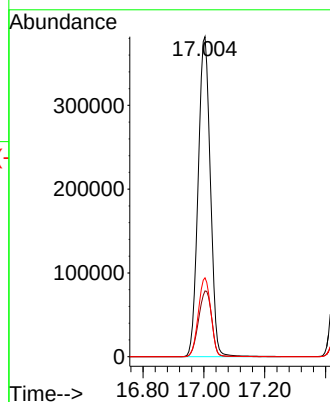
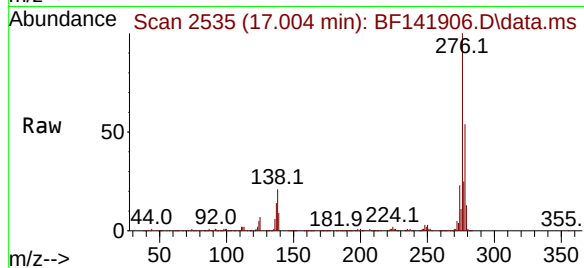




#87
Indeno(1,2,3-cd)pyrene
Concen: 38.467 ng
RT: 17.004 min Scan# 21
Delta R.T. 0.006 min
Lab File: BF141906.D
Acq: 10 Mar 2025 15:53

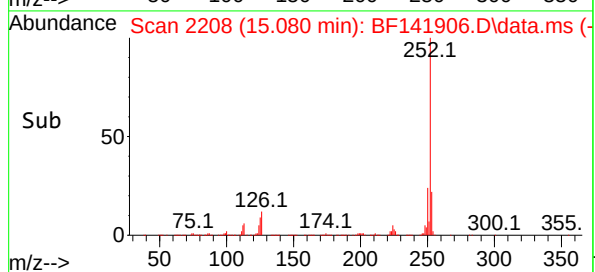
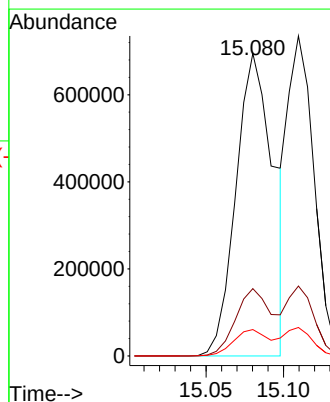
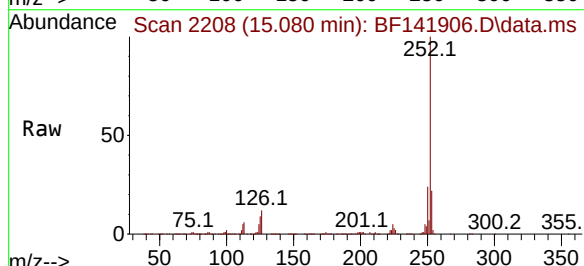
Instrument :
BNA_F
ClientSampleId :
ICVBF031025

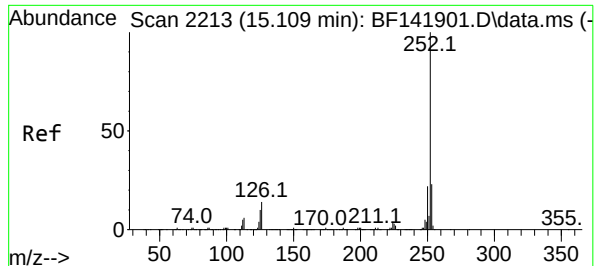
Tgt Ion:276 Resp: 1061096
Ion Ratio Lower Upper
276 100
138 22.2 18.4 27.6
277 25.3 20.3 30.5



#88
Benzo(b)fluoranthene
Concen: 39.906 ng
RT: 15.080 min Scan# 2208
Delta R.T. 0.000 min
Lab File: BF141906.D
Acq: 10 Mar 2025 15:53

Tgt Ion:252 Resp: 1166263
Ion Ratio Lower Upper
252 100
253 22.2 17.5 26.3
125 8.7 7.0 10.4





#89

Benzo(k)fluoranthene

Concen: 34.765 ng

RT: 15.110 min Scan# 2213

Delta R.T. 0.000 min

Lab File: BF141906.D

Acq: 10 Mar 2025 15:53

Instrument :

BNA_F

ClientSampleId :

ICVBF031025

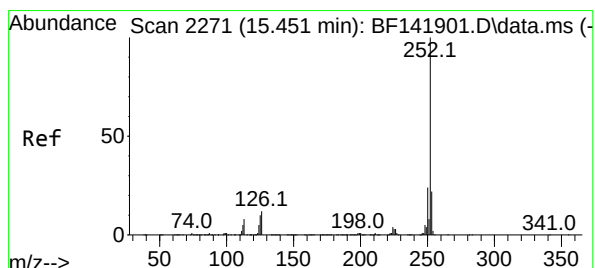
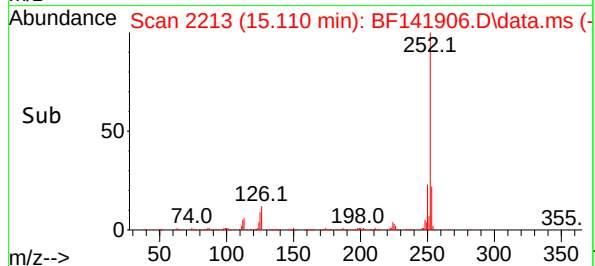
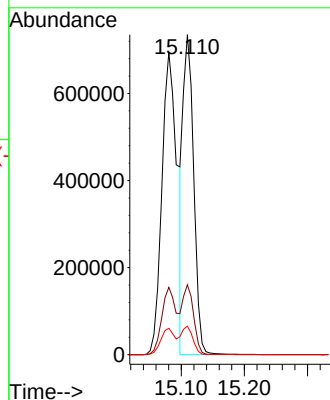
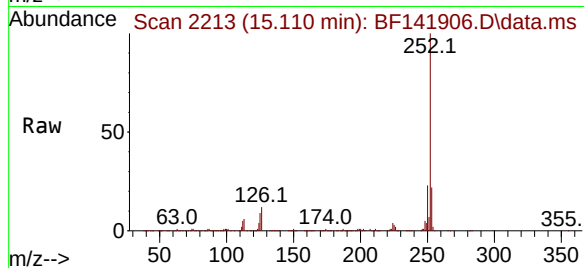
Tgt Ion:252 Resp: 869471

Ion Ratio Lower Upper

252 100

253 21.9 17.7 26.5

125 8.9 7.2 10.8



#90

Benzo(a)pyrene

Concen: 38.612 ng

RT: 15.451 min Scan# 2271

Delta R.T. 0.000 min

Lab File: BF141906.D

Acq: 10 Mar 2025 15:53

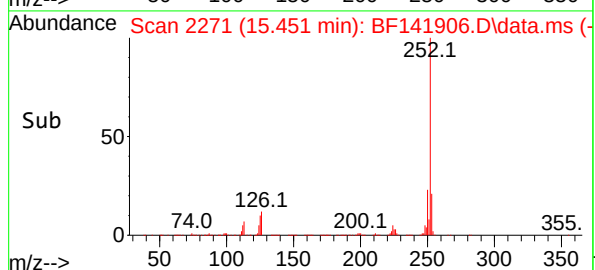
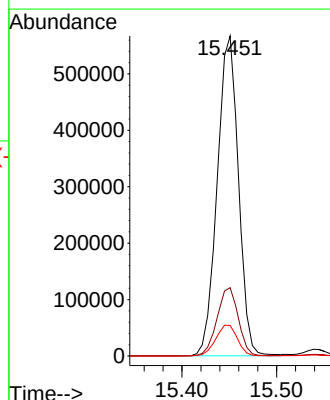
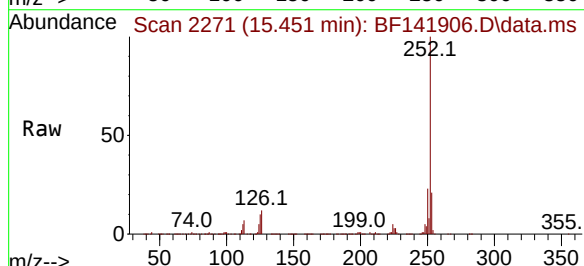
Tgt Ion:252 Resp: 882967

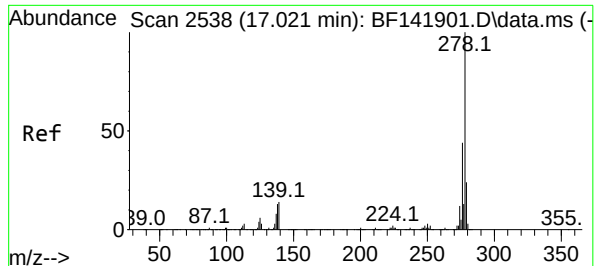
Ion Ratio Lower Upper

252 100

253 21.4 17.4 26.0

125 9.6 7.8 11.8





#91

Dibenzo(a,h)anthracene

Concen: 38.931 ng

RT: 17.021 min Scan# 2538

Delta R.T. 0.000 min

Lab File: BF141906.D

Acq: 10 Mar 2025 15:53

Instrument :

BNA_F

ClientSampleId :

ICVBF031025

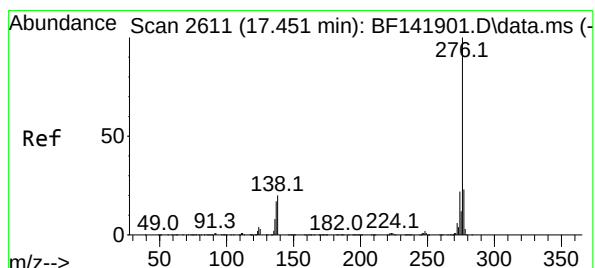
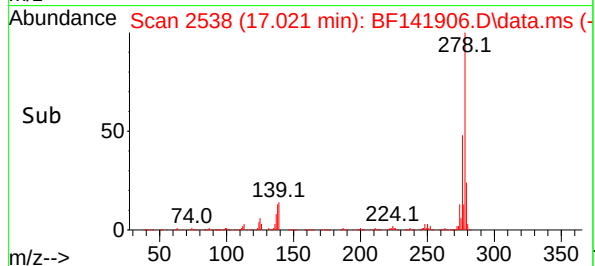
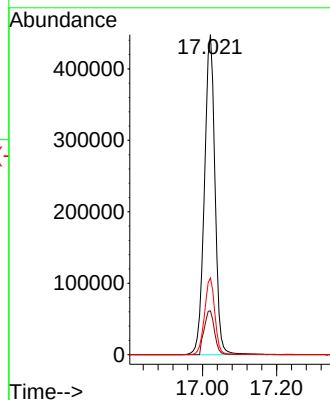
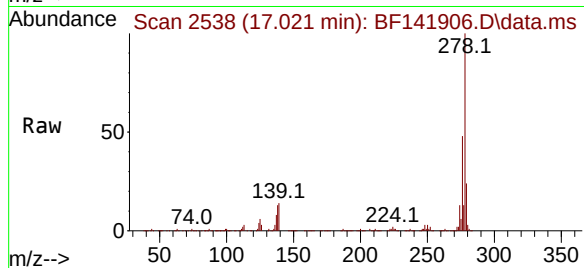
Tgt Ion:278 Resp: 886038

Ion Ratio Lower Upper

278 100

139 13.7 11.4 17.2

279 23.9 18.8 28.2



#92

Benzo(g,h,i)perylene

Concen: 38.051 ng

RT: 17.451 min Scan# 2611

Delta R.T. 0.000 min

Lab File: BF141906.D

Acq: 10 Mar 2025 15:53

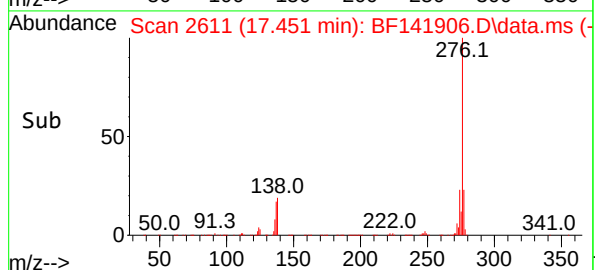
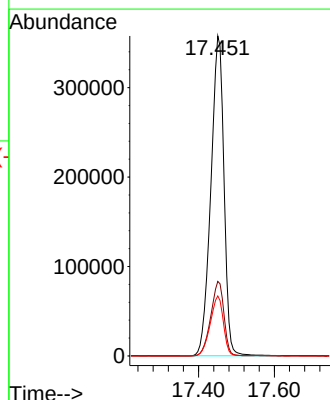
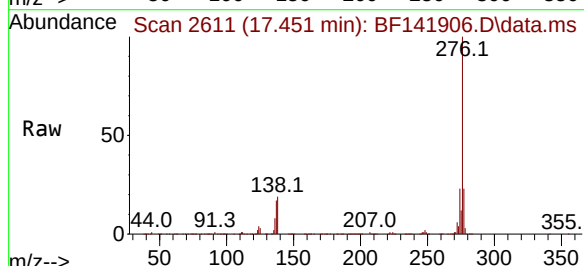
Tgt Ion:276 Resp: 855812

Ion Ratio Lower Upper

276 100

277 23.3 18.7 28.1

138 18.7 15.8 23.8



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF031025\
 Data File : BF141906.D
 Acq On : 10 Mar 2025 15:53
 Operator : RC/JU
 Sample : SSTDICV040
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 ICVBF031025

Quant Time: Mar 10 16:15:33 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF031025.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Mar 10 15:46:22 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	94	0.00
2	1,4-Dioxane	0.502	0.485	3.4	91	0.00
3	Pyridine	1.232	1.202	2.4	93	-0.01
4	n-Nitrosodimethylamine	0.587	0.572	2.6	92	0.00
5 S	2-Fluorophenol	1.198	1.151	3.9	94	0.00
6	Aniline	1.505	1.466	2.6	94	0.00
7 S	Phenol-d6	1.526	1.468	3.8	96	0.00
8	2-Chlorophenol	1.329	1.287	3.2	96	0.00
9	Benzaldehyde	0.853	0.810	5.0	98	0.00
10 C	Phenol	1.605	1.570	2.2	96	0.00
11	bis(2-Chloroethyl)ether	1.205	1.152	4.4	95	0.00
12	1,3-Dichlorobenzene	1.435	1.377	4.0	94	0.00
13 C	1,4-Dichlorobenzene	1.452	1.392	4.1	94	0.00
14	1,2-Dichlorobenzene	1.367	1.325	3.1	96	0.00
15	Benzyl Alcohol	1.233	1.215	1.5	96	0.00
16	2,2'-oxybis(1-Chloropropane	1.455	1.358	6.7	94	0.00
17	2-Methylphenol	1.057	1.024	3.1	96	0.00
18	Hexachloroethane	0.544	0.528	2.9	96	0.00
19 P	n-Nitroso-di-n-propylamine	0.980	0.932	4.9	96	0.00
20	3+4-Methylphenols	1.354	1.307	3.5	95	0.00
21 I	Naphthalene-d8	1.000	1.000	0.0	96	0.00
22	Acetophenone	0.479	0.451	5.8	94	0.00
23 S	Nitrobenzene-d5	0.355	0.351	1.1	97	0.00
24	Nitrobenzene	0.353	0.344	2.5	96	0.00
25	Isophorone	0.628	0.599	4.6	96	0.00
26 C	2-Nitrophenol	0.173	0.175	-1.2	96	0.00
27	2,4-Dimethylphenol	0.239	0.229	4.2	96	0.00
28	bis(2-Chloroethoxy)methane	0.394	0.374	5.1	97	0.00
29 C	2,4-Dichlorophenol	0.296	0.289	2.4	97	0.00
30	1,2,4-Trichlorobenzene	0.327	0.313	4.3	97	0.00
31	Naphthalene	1.027	0.972	5.4	95	0.00
32	Benzoic acid	0.210	0.222	-5.7	103	0.00
33	4-Chloroaniline	0.363	0.352	3.0	97	0.00
34 C	Hexachlorobutadiene	0.213	0.207	2.8	98	0.00
35	Caprolactam	0.090	0.084	6.7	96	0.00
36 C	4-Chloro-3-methylphenol	0.331	0.319	3.6	96	0.00
37	2-Methylnaphthalene	0.687	0.651	5.2	96	0.00
38	1-Methylnaphthalene	0.663	0.638	3.8	98	0.00
39 I	Acenaphthene-d10	1.000	1.000	0.0	98	0.00
40	1,2,4,5-Tetrachlorobenzene	0.609	0.581	4.6	96	0.00
41 P	Hexachlorocyclopentadiene	0.238	0.228	4.2	89	0.00
42 S	2,4,6-Tribromophenol	0.254	0.252	0.8	98	0.00
43 C	2,4,6-Trichlorophenol	0.398	0.391	1.8	96	0.00
44	2,4,5-Trichlorophenol	0.403	0.386	4.2	97	0.00
45 S	2-Fluorobiphenyl	1.315	1.242	5.6	97	0.00
46	1,1'-Biphenyl	1.520	1.451	4.5	98	0.00
47	2-Chloronaphthalene	1.133	1.079	4.8	97	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF031025\
 Data File : BF141906.D
 Acq On : 10 Mar 2025 15:53
 Operator : RC/JU
 Sample : SSTDICV040
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 ICVBF031025

Quant Time: Mar 10 16:15:33 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF031025.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Mar 10 15:46:22 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	0.328	0.319	2.7	97	0.00
49	Acenaphthylene	1.681	1.585	5.7	95	0.00
50	Dimethylphthalate	1.401	1.317	6.0	97	0.00
51	2,6-Dinitrotoluene	0.292	0.284	2.7	97	0.00
52 C	Acenaphthene	1.181	1.134	4.0	97	0.00
53	3-Nitroaniline	0.296	0.285	3.7	95	0.00
54 P	2,4-Dinitrophenol	0.139	0.148	-6.5	102	0.00
55	Dibenzofuran	1.688	1.594	5.6	97	0.00
56 P	4-Nitrophenol	0.223	0.220	1.3	94	0.00
57	2,4-Dinitrotoluene	0.381	0.374	1.8	98	0.00
58	Fluorene	1.302	1.216	6.6	97	0.00
59	2,3,4,6-Tetrachlorophenol	0.367	0.358	2.5	98	0.00
60	Diethylphthalate	1.397	1.338	4.2	98	0.00
61	4-Chlorophenyl-phenylether	0.679	0.649	4.4	99	0.00
62	4-Nitroaniline	0.288	0.280	2.8	95	0.00
63	Azobenzene	1.298	1.231	5.2	97	0.00
64 I	Phenanthrene-d10	1.000	1.000	0.0	97	0.00
65	4,6-Dinitro-2-methylphenol	0.119	0.123	-3.4	99	0.00
66 c	n-Nitrosodiphenylamine	0.647	0.619	4.3	97	0.00
67	4-Bromophenyl-phenylether	0.251	0.245	2.4	97	0.00
68	Hexachlorobenzene	0.275	0.274	0.4	99	0.00
69	Atrazine	0.198	0.158	20.2	94	0.00
70 C	Pentachlorophenol	0.170	0.178	-4.7	97	0.00
71	Phenanthrene	1.080	1.036	4.1	97	0.00
72	Anthracene	1.084	1.029	5.1	95	0.00
73	Carbazole	0.935	0.892	4.6	95	0.00
74	Di-n-butylphthalate	1.240	1.200	3.2	99	0.00
75 C	Fluoranthene	1.146	1.076	6.1	94	0.00
76 I	Chrysene-d12	1.000	1.000	0.0	92	0.00
77	Benzidine	0.279	0.401	-43.7#	103	0.00
78	Pyrene	1.730	1.667	3.6	95	0.00
79 S	Terphenyl-d14	1.353	1.349	0.3	97	0.00
80	Butylbenzylphthalate	0.677	0.690	-1.9	97	0.00
81	Benzo(a)anthracene	1.312	1.287	1.9	93	0.00
82	3,3'-Dichlorobenzidine	0.379	0.363	4.2	90	0.00
83	Chrysene	1.190	1.106	7.1	90	0.00
84	Bis(2-ethylhexyl)phthalate	0.934	0.960	-2.8	98	0.00
85 c	Di-n-octyl phthalate	1.299	1.331	-2.5	97	0.00
86 I	Perylene-d12	1.000	1.000	0.0	91	0.00
87	Indeno(1,2,3-cd)pyrene	1.294	1.244	3.9	88	0.00
88	Benzo(b)fluoranthene	1.371	1.367	0.3	103	0.00
89	Benzo(k)fluoranthene	1.173	1.019	13.1	77	0.00
90 C	Benzo(a)pyrene	1.073	1.035	3.5	91	0.00
91	Dibenzo(a,h)anthracene	1.067	1.039	2.6	88	0.00
92	Benzo(g,h,i)perylene	1.055	1.003	4.9	86	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF031025\
Data File : BF141906.D
Acq On : 10 Mar 2025 15:53
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
ICVBF031025

Quant Time: Mar 10 16:15:33 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF031025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Mar 10 15:46:22 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)

(#) = Out of Range

SPCC's out = 0 CCC's out = 0

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF031025\
 Data File : BF141906.D
 Acq On : 10 Mar 2025 15:53
 Operator : RC/JU
 Sample : SSTDICV040
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 ICVBF031025

Quant Time: Mar 10 16:15:33 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF031025.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Mar 10 15:46:22 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	94	0.00
2	1,4-Dioxane	40.000	38.670	3.3	91	0.00
3	Pyridine	40.000	39.050	2.4	93	-0.01
4	n-Nitrosodimethylamine	40.000	38.959	2.6	92	0.00
5 S	2-Fluorophenol	80.000	76.823	4.0	94	0.00
6	Aniline	40.000	38.958	2.6	94	0.00
7 S	Phenol-d6	80.000	76.962	3.8	96	0.00
8	2-Chlorophenol	40.000	38.721	3.2	96	0.00
9	Benzaldehyde	40.000	37.950	5.1	98	0.00
10 C	Phenol	40.000	39.115	2.2	96	0.00
11	bis(2-Chloroethyl)ether	40.000	38.246	4.4	95	0.00
12	1,3-Dichlorobenzene	40.000	38.391	4.0	94	0.00
13 C	1,4-Dichlorobenzene	40.000	38.366	4.1	94	0.00
14	1,2-Dichlorobenzene	40.000	38.744	3.1	96	0.00
15	Benzyl Alcohol	40.000	39.408	1.5	96	0.00
16	2,2'-oxybis(1-Chloropropane	40.000	37.338	6.7	94	0.00
17	2-Methylphenol	40.000	38.775	3.1	96	0.00
18	Hexachloroethane	40.000	38.797	3.0	96	0.00
19 P	n-Nitroso-di-n-propylamine	40.000	38.038	4.9	96	0.00
20	3+4-Methylphenols	40.000	38.619	3.5	95	0.00
21 I	Naphthalene-d8	20.000	20.000	0.0	96	0.00
22	Acetophenone	40.000	37.650	5.9	94	0.00
23 S	Nitrobenzene-d5	80.000	78.962	1.3	97	0.00
24	Nitrobenzene	40.000	38.980	2.6	96	0.00
25	Isophorone	40.000	38.163	4.6	96	0.00
26 C	2-Nitrophenol	40.000	40.429	-1.1	96	0.00
27	2,4-Dimethylphenol	40.000	38.414	4.0	96	0.00
28	bis(2-Chloroethoxy)methane	40.000	37.943	5.1	97	0.00
29 C	2,4-Dichlorophenol	40.000	38.952	2.6	97	0.00
30	1,2,4-Trichlorobenzene	40.000	38.336	4.2	97	0.00
31	Naphthalene	40.000	37.827	5.4	95	0.00
32	Benzoic acid	40.000	42.303	-5.8	103	0.00
33	4-Chloroaniline	40.000	38.847	2.9	97	0.00
34 C	Hexachlorobutadiene	40.000	38.849	2.9	98	0.00
35	Caprolactam	40.000	37.276	6.8	96	0.00
36 C	4-Chloro-3-methylphenol	40.000	38.550	3.6	96	0.00
37	2-Methylnaphthalene	40.000	37.935	5.2	96	0.00
38	1-Methylnaphthalene	40.000	38.484	3.8	98	0.00
39 I	Acenaphthene-d10	20.000	20.000	0.0	98	0.00
40	1,2,4,5-Tetrachlorobenzene	40.000	38.191	4.5	96	0.00
41 P	Hexachlorocyclopentadiene	40.000	38.281	4.3	89	0.00
42 S	2,4,6-Tribromophenol	80.000	79.342	0.8	98	0.00
43 C	2,4,6-Trichlorophenol	40.000	39.292	1.8	96	0.00
44	2,4,5-Trichlorophenol	40.000	38.263	4.3	97	0.00
45 S	2-Fluorobiphenyl	80.000	75.528	5.6	97	0.00
46	1,1'-Biphenyl	40.000	38.182	4.5	98	0.00
47	2-Chloronaphthalene	40.000	38.090	4.8	97	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF031025\
 Data File : BF141906.D
 Acq On : 10 Mar 2025 15:53
 Operator : RC/JU
 Sample : SSTDICV040
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 ICVBF031025

Quant Time: Mar 10 16:15:33 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF031025.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Mar 10 15:46:22 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	38.908	2.7	97	0.00
49	Acenaphthylene	40.000	37.725	5.7	95	0.00
50	Dimethylphthalate	40.000	37.611	6.0	97	0.00
51	2,6-Dinitrotoluene	40.000	38.970	2.6	97	0.00
52 C	Acenaphthene	40.000	38.405	4.0	97	0.00
53	3-Nitroaniline	40.000	38.561	3.6	95	0.00
54 P	2,4-Dinitrophenol	40.000	39.326	1.7	102	0.00
55	Dibenzofuran	40.000	37.778	5.6	97	0.00
56 P	4-Nitrophenol	40.000	39.425	1.4	94	0.00
57	2,4-Dinitrotoluene	40.000	39.291	1.8	98	0.00
58	Fluorene	40.000	37.381	6.5	97	0.00
59	2,3,4,6-Tetrachlorophenol	40.000	39.070	2.3	98	0.00
60	Diethylphthalate	40.000	38.337	4.2	98	0.00
61	4-Chlorophenyl-phenylether	40.000	38.272	4.3	99	0.00
62	4-Nitroaniline	40.000	38.953	2.6	95	0.00
63	Azobenzene	40.000	37.911	5.2	97	0.00
64 I	Phenanthrene-d10	20.000	20.000	0.0	97	0.00
65	4,6-Dinitro-2-methylphenol	40.000	41.415	-3.5	99	0.00
66 c	n-Nitrosodiphenylamine	40.000	38.283	4.3	97	0.00
67	4-Bromophenyl-phenylether	40.000	39.015	2.5	97	0.00
68	Hexachlorobenzene	40.000	39.789	0.5	99	0.00
69	Atrazine	40.000	31.945	20.1	94	0.00
70 C	Pentachlorophenol	40.000	41.955	-4.9	97	0.00
71	Phenanthrene	40.000	38.357	4.1	97	0.00
72	Anthracene	40.000	37.991	5.0	95	0.00
73	Carbazole	40.000	38.167	4.6	95	0.00
74	Di-n-butylphthalate	40.000	38.717	3.2	99	0.00
75 C	Fluoranthene	40.000	37.545	6.1	94	0.00
76 I	Chrysene-d12	20.000	20.000	0.0	92	0.00
77	Benzidine	40.000	57.513	-43.8#	103	0.00
78	Pyrene	40.000	38.539	3.7	95	0.00
79 S	Terphenyl-d14	80.000	79.748	0.3	97	0.00
80	Butylbenzylphthalate	40.000	40.778	-1.9	97	0.00
81	Benzo(a)anthracene	40.000	39.211	2.0	93	0.00
82	3,3'-Dichlorobenzidine	40.000	38.337	4.2	90	0.00
83	Chrysene	40.000	37.195	7.0	90	0.00
84	Bis(2-ethylhexyl)phthalate	40.000	41.142	-2.9	98	0.00
85 c	Di-n-octyl phthalate	40.000	40.971	-2.4	97	0.00
86 I	Perylene-d12	20.000	20.000	0.0	91	0.00
87	Indeno(1,2,3-cd)pyrene	40.000	38.467	3.8	88	0.00
88	Benzo(b)fluoranthene	40.000	39.906	0.2	103	0.00
89	Benzo(k)fluoranthene	40.000	34.765	13.1	77	0.00
90 C	Benzo(a)pyrene	40.000	38.612	3.5	91	0.00
91	Dibenzo(a,h)anthracene	40.000	38.931	2.7	88	0.00
92	Benzo(g,h,i)perylene	40.000	38.051	4.9	86	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF031025\
Data File : BF141906.D
Acq On : 10 Mar 2025 15:53
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
ICVBF031025

Quant Time: Mar 10 16:15:33 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF031025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Mar 10 15:46:22 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

Compound	Amount	Calc.	%Dev	Area%	Dev(min)

(#) = Out of Range

SPCC's out = 0 CCC's out = 0



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

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: WEST04

Lab Code: CHEM Case No.: Q1539 SAS No.: Q1539 SDG No.: Q1539

Instrument ID: BNA_F Calibration Date/Time: 03/13/2025 12:17

Lab File ID: BF141939.D Init. Calib. Date(s): 03/10/2025 03/10/2025

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 11:01 15:20

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

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
2-Fluorophenol	1.198	1.154		-3.7	
Benzaldehyde	0.853	0.751		-12.0	
Phenol-d6	1.526	1.446		-5.2	
Phenol	1.605	1.528		-4.8	20.0
bis(2-Chloroethyl)ether	1.205	1.127		-6.5	
2-Chlorophenol	1.329	1.276		-4.0	
2-Methylphenol	1.057	0.994		-6.0	
2,2-oxybis(1-Chloropropane)	1.455	1.285		-11.7	
Acetophenone	0.479	0.459		-4.2	
3+4-Methylphenols	1.354	1.268		-6.4	
n-Nitroso-di-n-propylamine	0.980	0.878	0.050	-10.4	
Nitrobenzene-d5	0.355	0.344		-3.1	
Hexachloroethane	0.544	0.518		-4.8	
Nitrobenzene	0.353	0.341		-3.4	
Isophorone	0.628	0.580		-7.6	
2-Nitrophenol	0.173	0.171		-1.2	20.0
2,4-Dimethylphenol	0.239	0.230		-3.8	
bis(2-Chloroethoxy)methane	0.394	0.365		-7.4	
2,4-Dichlorophenol	0.296	0.284		-4.1	20.0
Naphthalene	1.027	0.986		-4.0	
4-Chloroaniline	0.363	0.341		-6.1	
Hexachlorobutadiene	0.213	0.208		-2.3	20.0
Caprolactam	0.090	0.086		-4.4	
4-Chloro-3-methylphenol	0.331	0.312		-5.7	20.0
2-Methylnaphthalene	0.687	0.653		-4.9	
Hexachlorocyclopentadiene	0.238	0.250	0.050	5.0	
2,4,6-Trichlorophenol	0.398	0.393		-1.3	20.0
2-Fluorobiphenyl	1.315	1.265		-3.8	
2,4,5-Trichlorophenol	0.403	0.393		-2.5	
1,1-Biphenyl	1.520	1.471		-3.2	
2-Chloronaphthalene	1.133	1.108		-2.2	
2-Nitroaniline	0.328	0.320		-2.4	
Dimethylphthalate	1.401	1.334		-4.8	
Acenaphthylene	1.681	1.639		-2.5	
2,6-Dinitrotoluene	0.292	0.285		-2.4	
3-Nitroaniline	0.296	0.285		-3.7	
Acenaphthene	1.181	1.161		-1.7	20.0
2,4-Dinitrophenol	0.139	0.155	0.050	11.5	
4-Nitrophenol	0.223	0.230	0.050	3.1	



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

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: WEST04

Lab Code: CHEM Case No.: Q1539 SAS No.: Q1539 SDG No.: Q1539

Instrument ID: BNA_F Calibration Date/Time: 03/13/2025 12:17

Lab File ID: BF141939.D Init. Calib. Date(s): 03/10/2025 03/10/2025

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 11:01 15:20

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

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
Dibenzofuran	1.688	1.627		-3.6	
2,4-Dinitrotoluene	0.381	0.373		-2.1	
Diethylphthalate	1.397	1.328		-4.9	
4-Chlorophenyl-phenylether	0.679	0.656		-3.4	
Fluorene	1.302	1.243		-4.5	
4-Nitroaniline	0.288	0.285		-1.0	
4,6-Dinitro-2-methylphenol	0.119	0.125		5.0	
n-Nitrosodiphenylamine	0.647	0.624		-3.6	20.0
2,4,6-Tribromophenol	0.254	0.253		-0.4	
4-Bromophenyl-phenylether	0.251	0.245		-2.4	
Hexachlorobenzene	0.275	0.272		-1.1	
Atrazine	0.198	0.165		-16.7	
Pentachlorophenol	0.170	0.180		5.9	20.0
Phenanthrene	1.080	1.034		-4.3	
Anthracene	1.084	1.037		-4.3	
Carbazole	0.935	0.896		-4.2	
Di-n-butylphthalate	1.240	1.178		-5.0	
Fluoranthene	1.146	1.074		-6.3	20.0
Pyrene	1.730	1.703		-1.6	
Terphenyl-d14	1.353	1.361		0.6	
Butylbenzylphthalate	0.677	0.649		-4.1	
3,3-Dichlorobenzidine	0.379	0.392		3.4	
Benzo (a) anthracene	1.312	1.251		-4.6	
Chrysene	1.190	1.166		-2.0	
Bis(2-ethylhexyl)phthalate	0.934	0.854		-8.6	
Di-n-octyl phthalate	1.299	1.210		-6.9	20.0
Benzo (b) fluoranthene	1.371	1.261		-8.0	
Benzo (k) fluoranthene	1.173	1.092		-6.9	
Benzo (a) pyrene	1.073	1.025		-4.5	20.0
Indeno (1,2,3-cd) pyrene	1.294	1.313		1.5	
Dibenzo (a,h) anthracene	1.067	1.093		2.4	
Benzo (g,h,i) perylene	1.055	1.094		3.7	
1,2,4,5-Tetrachlorobenzene	0.609	0.593		-2.6	
1,4-Dioxane	0.502	0.494		-1.6	20.0
2,3,4,6-Tetrachlorophenol	0.367	0.364		-0.8	

All other compounds must meet a minimum RRF of 0.010.

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF031325\
 Data File : BF141939.D
 Acq On : 13 Mar 2025 12:17
 Operator : RC/JU
 Sample : SSTDCCC040
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SSTDCCC040

Quant Time: Mar 13 13:05:23 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF031025.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Mar 10 15:46:22 2025
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.875	152	198004	20.000	ng	0.00
21) Naphthalene-d8	8.157	136	767232	20.000	ng	0.00
39) Acenaphthene-d10	9.910	164	426931	20.000	ng	0.00
64) Phenanthrene-d10	11.398	188	726402	20.000	ng	0.00
76) Chrysene-d12	14.033	240	451214	20.000	ng	0.00
86) Perylene-d12	15.504	264	394917	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.493	112	914193	77.057	ng	0.00
7) Phenol-d6	6.504	99	1145375	75.826	ng	0.00
23) Nitrobenzene-d5	7.439	82	1055101	77.391	ng	0.00
42) 2,4,6-Tribromophenol	10.698	330	432513	79.856	ng	0.00
45) 2-Fluorobiphenyl	9.233	172	2159613	76.930	ng	0.00
79) Terphenyl-d14	12.980	244	2456339	80.485	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	2.681	88	195530	39.334	ng	99
3) Pyridine	3.446	79	472100	38.717	ng	99
4) n-Nitrosodimethylamine	3.399	42	226886	39.034	ng	98
6) Aniline	6.540	93	558500	37.480	ng	100
8) 2-Chlorophenol	6.663	128	505200	38.395	ng	100
9) Benzaldehyde	6.428	77	297311	35.193	ng	99
10) Phenol	6.516	94	605095	38.077	ng	100
11) bis(2-Chloroethyl)ether	6.616	93	446408	37.411	ng	99
12) 1,3-Dichlorobenzene	6.816	146	542765	38.208	ng	99
13) 1,4-Dichlorobenzene	6.892	146	551564	38.375	ng	99
14) 1,2-Dichlorobenzene	7.051	146	522830	38.620	ng	99
15) Benzyl Alcohol	7.016	79	463386	37.946	ng	99
16) 2,2'-oxybis(1-Chloropr...	7.151	45	508939	35.329	ng	99
17) 2-Methylphenol	7.122	107	393438	37.607	ng	99
18) Hexachloroethane	7.392	117	205179	38.069	ng	95
19) n-Nitroso-di-n-propyla...	7.292	70	347590	35.812	ng	100
20) 3+4-Methylphenols	7.275	107	502037	37.464	ng	98
22) Acetophenone	7.287	105	704297	38.332	ng	99
24) Nitrobenzene	7.457	77	523612	38.634	ng	100
25) Isophorone	7.698	82	889235	36.899	ng	100
26) 2-Nitrophenol	7.775	139	263074	39.549	ng	100
27) 2,4-Dimethylphenol	7.804	122	352630	38.499	ng	100
28) bis(2-Chloroethoxy)met...	7.904	93	559932	37.044	ng	99
29) 2,4-Dichlorophenol	8.010	162	435680	38.322	ng	99
30) 1,2,4-Trichlorobenzene	8.098	180	482699	38.527	ng	99
31) Naphthalene	8.181	128	1512818	38.385	ng	100
32) Benzoic acid	7.922	122	338815	42.081	ng	99
33) 4-Chloroaniline	8.228	127	523526	37.629	ng	99
34) Hexachlorobutadiene	8.298	225	319154	39.060	ng	99
35) Caprolactam	8.598	113	131311	37.884	ng	94
36) 4-Chloro-3-methylphenol	8.698	107	479000	37.769	ng	100
37) 2-Methylnaphthalene	8.869	142	1002209	38.045	ng	100
38) 1-Methylnaphthalene	8.969	142	966389	38.016	ng	99
40) 1,2,4,5-Tetrachloroben...	9.034	216	506575	38.972	ng	98
41) Hexachlorocyclopentadiene	9.022	237	213556	41.981	ng	99
43) 2,4,6-Trichlorophenol	9.145	196	335717	39.520	ng	100

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 Data File : BF141939.D
 Acq On : 13 Mar 2025 12:17
 Operator : RC/JU
 Sample : SSTDCCC040
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SSTDCCC040

Quant Time: Mar 13 13:05:23 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF031025.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Mar 10 15:46:22 2025
 Response via : Initial Calibration

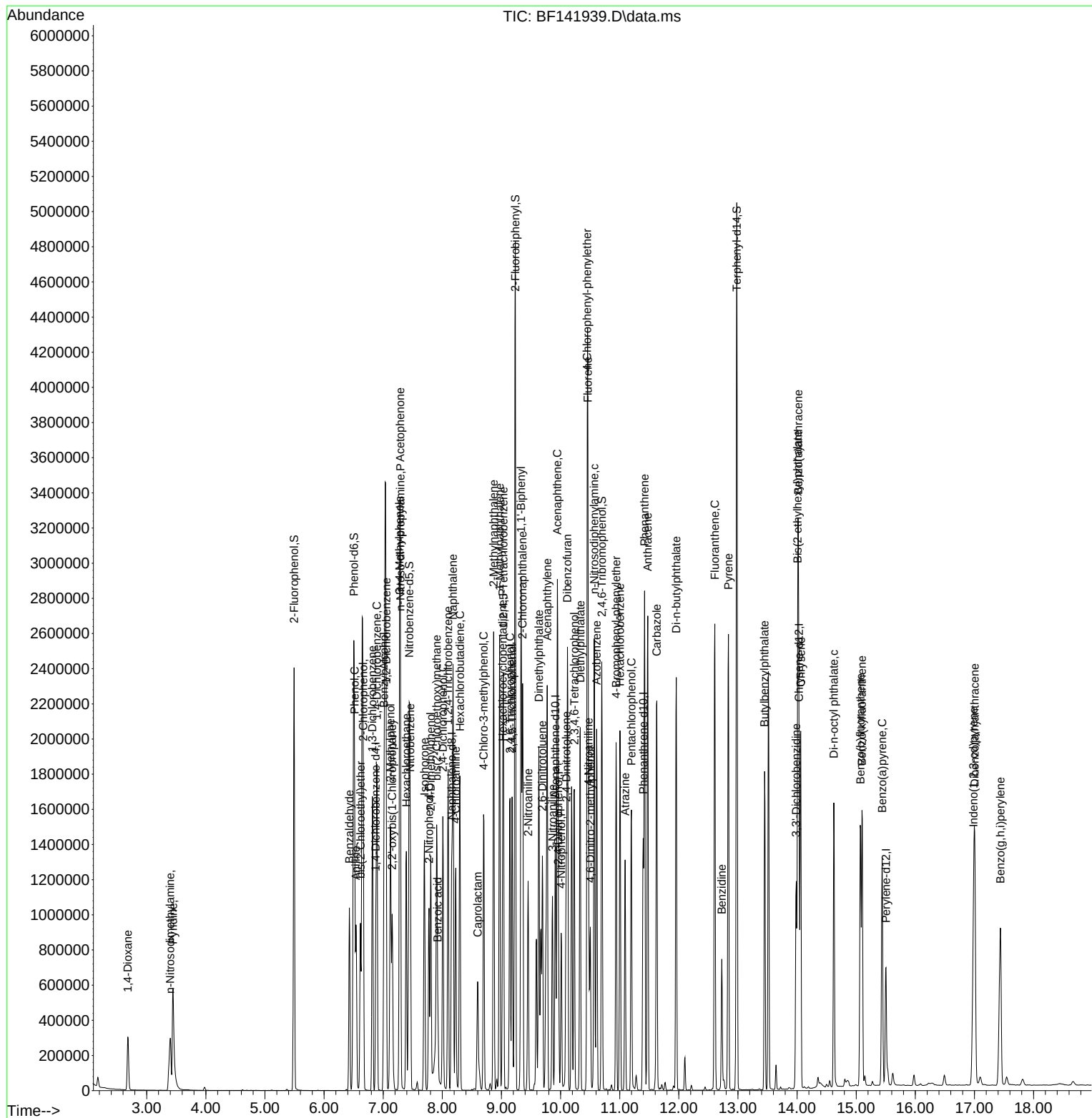
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.181	196	335620	39.009	ng	100
46) 1,1'-Biphenyl	9.333	154	1256074	38.721	ng	100
47) 2-Chloronaphthalene	9.357	162	946087	39.130	ng	99
48) 2-Nitroaniline	9.451	65	273545	39.074	ng	100
49) Acenaphthylene	9.775	152	1399495	39.005	ng	100
50) Dimethylphthalate	9.633	163	1139250	38.106	ng	100
51) 2,6-Dinitrotoluene	9.692	165	243366	39.096	ng	97
52) Acenaphthene	9.945	154	991587	39.326	ng	99
53) 3-Nitroaniline	9.863	138	243288	38.530	ng	99
54) 2,4-Dinitrophenol	9.963	184	132695	41.009	ng	88
55) Dibenzofuran	10.116	168	1389049	38.554	ng	99
56) 4-Nitrophenol	10.010	139	196664	41.301	ng	100
57) 2,4-Dinitrotoluene	10.098	165	318648	39.193	ng	98
58) Fluorene	10.463	166	1061221	38.195	ng	99
59) 2,3,4,6-Tetrachlorophenol	10.233	232	310873	39.708	ng	98
60) Diethylphthalate	10.333	149	1134119	38.044	ng	100
61) 4-Chlorophenyl-phenyle...	10.451	204	559798	38.646	ng	98
62) 4-Nitroaniline	10.475	138	242993	39.528	ng	99
63) Azobenzene	10.610	77	1050098	37.888	ng	99
65) 4,6-Dinitro-2-methylph...	10.504	198	181277	41.862	ng	99
66) n-Nitrosodiphenylamine	10.569	169	906795	38.576	ng	100
67) 4-Bromophenyl-phenylether	10.939	248	355291	38.946	ng	100
68) Hexachlorobenzene	11.004	284	395519	39.530	ng	99
69) Atrazine	11.092	200	238990	33.164	ng	99
70) Pentachlorophenol	11.198	266	261878	42.480	ng	100
71) Phenanthrene	11.422	178	1501673	38.274	ng	99
72) Anthracene	11.475	178	1507154	38.288	ng	100
73) Carbazole	11.627	167	1302310	38.363	ng	100
74) Di-n-butylphthalate	11.957	149	1710894	37.983	ng	99
75) Fluoranthene	12.610	202	1559838	37.478	ng	99
77) Benzidine	12.727	184	397420	63.130	ng	99
78) Pyrene	12.839	202	1536542	39.368	ng	99
80) Butylbenzylphthalate	13.451	149	585688	38.339	ng	99
81) Benzo(a)anthracene	14.021	228	1129185	38.137	ng	100
82) 3,3'-Dichlorobenzidine	13.986	252	353908	41.361	ng	99
83) Chrysene	14.063	228	1052493	39.214	ng	100
84) Bis(2-ethylhexyl)phtha...	14.010	149	770893	36.599	ng	100
85) Di-n-octyl phthalate	14.621	149	1091714	37.251	ng	99
87) Indeno(1,2,3-cd)pyrene	16.986	276	1036676	40.580	ng	98
88) Benzo(b)fluoranthene	15.074	252	995633	36.786	ng	99
89) Benzo(k)fluoranthene	15.098	252	862161	37.223	ng	100
90) Benzo(a)pyrene	15.439	252	809840	38.240	ng	100
91) Dibenzo(a,h)anthracene	17.004	278	863026	40.945	ng	99
92) Benzo(g,h,i)perylene	17.439	276	863842	41.473	ng	98

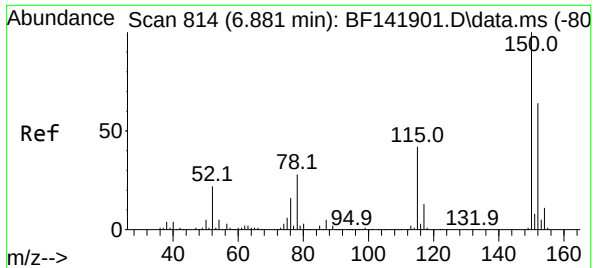
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Acq On : 13 Mar 2025 12:17
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

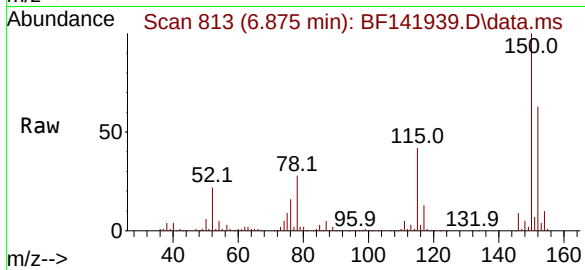
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Response via : Initial Calibration



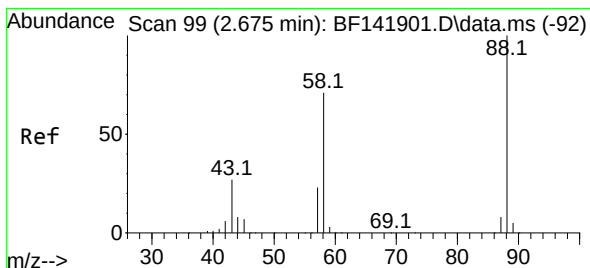
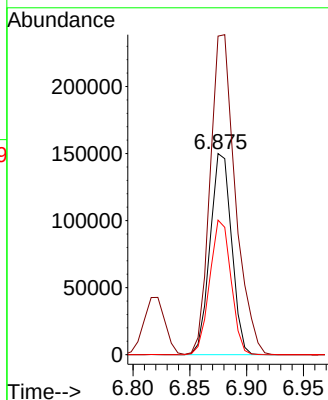
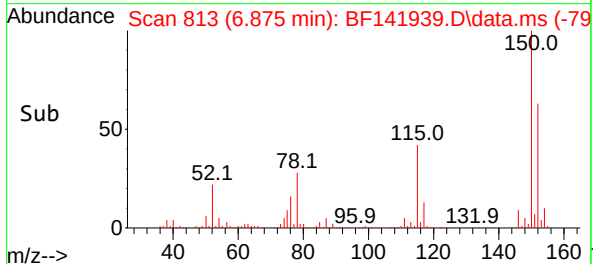


#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.875 min Scan# 81
Delta R.T. -0.006 min
Lab File: BF141939.D
Acq: 13 Mar 2025 12:17

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

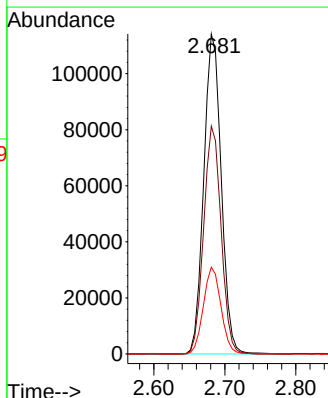
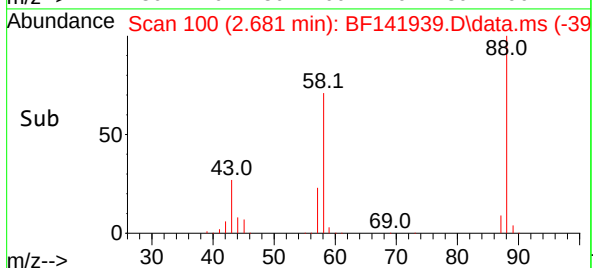
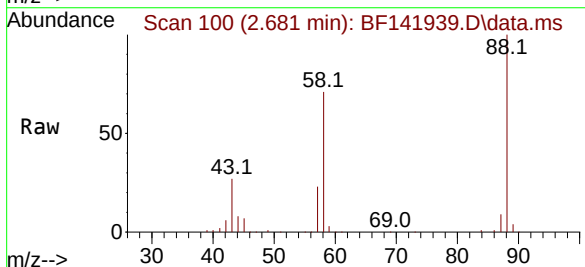


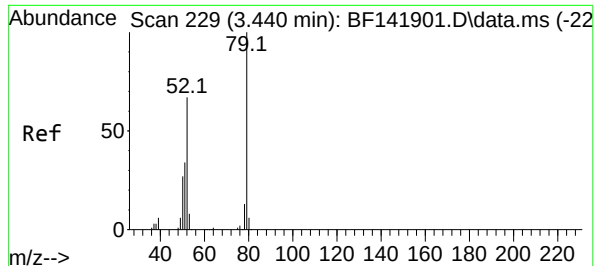
Tgt Ion:152 Resp: 198004
Ion Ratio Lower Upper
152 100
150 158.4 127.4 191.2
115 66.9 51.9 77.9



#2
1,4-Dioxane
Concen: 39.334 ng
RT: 2.681 min Scan# 100
Delta R.T. 0.006 min
Lab File: BF141939.D
Acq: 13 Mar 2025 12:17

Tgt Ion: 88 Resp: 195530
Ion Ratio Lower Upper
88 100
58 70.9 57.4 86.2
43 27.3 21.5 32.3

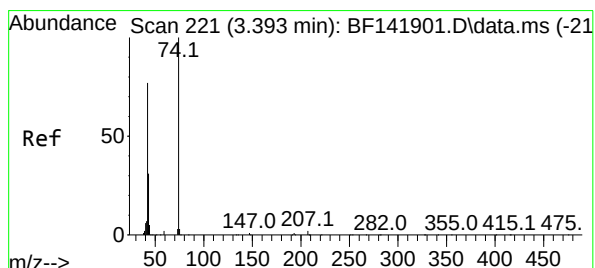
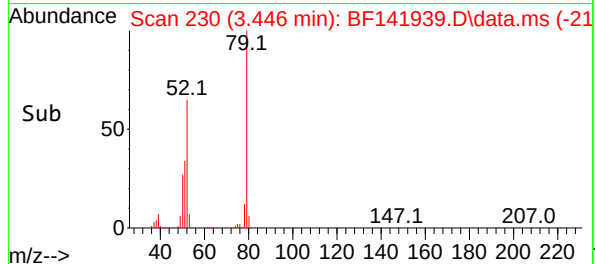
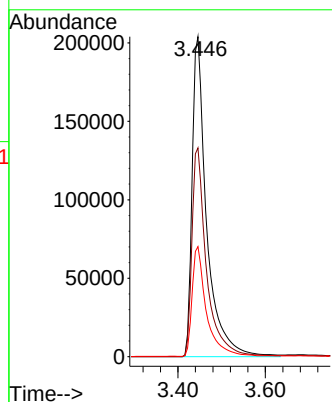
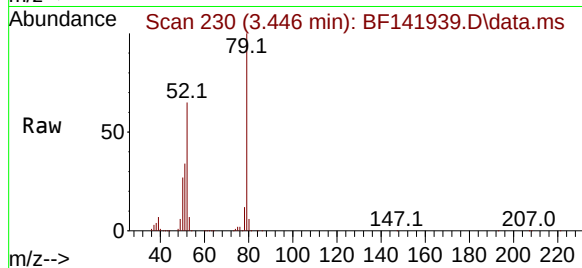




#3
Pyridine
Concen: 38.717 ng
RT: 3.446 min Scan# 21
Delta R.T. 0.006 min
Lab File: BF141939.D
Acq: 13 Mar 2025 12:17

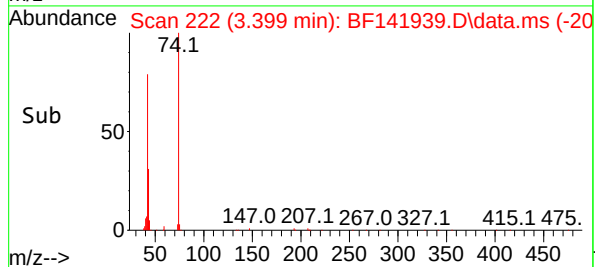
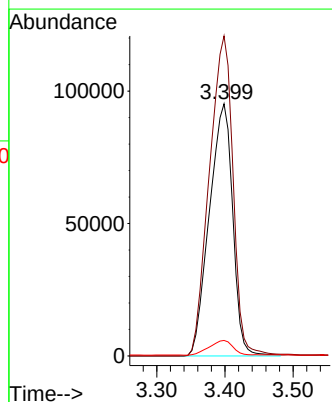
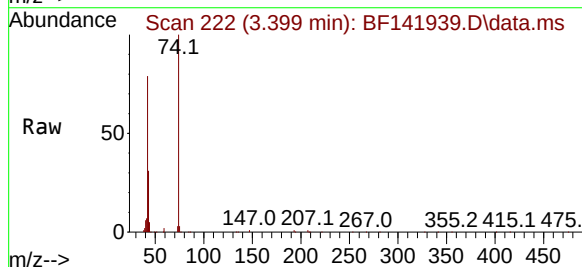
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BNA_F
ClientSampleId :
SSTDCCC040

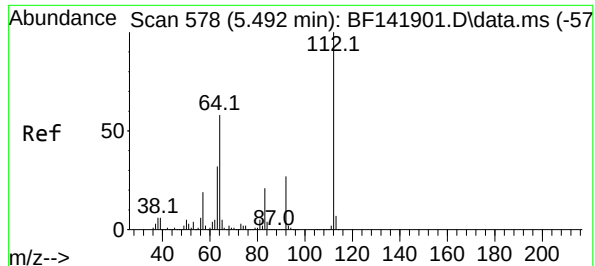
Tgt Ion: 79 Resp: 472100
Ion Ratio Lower Upper
79 100
52 65.2 53.3 79.9
51 34.4 27.6 41.4



#4
n-Nitrosodimethylamine
Concen: 39.034 ng
RT: 3.399 min Scan# 222
Delta R.T. 0.006 min
Lab File: BF141939.D
Acq: 13 Mar 2025 12:17

Tgt Ion: 42 Resp: 226886
Ion Ratio Lower Upper
42 100
74 126.9 103.4 155.0
44 6.2 5.0 7.4

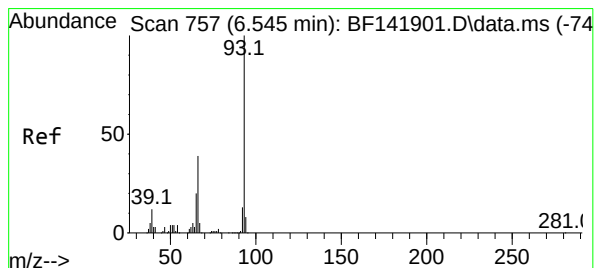
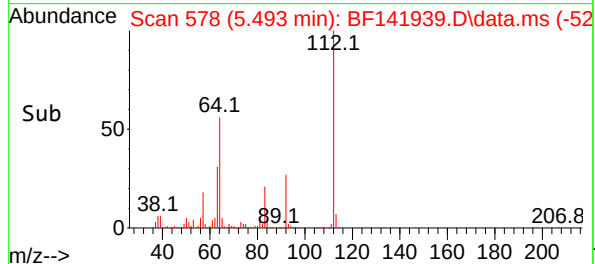
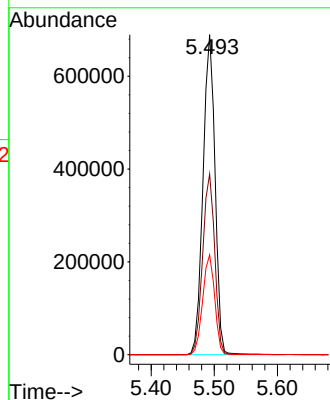
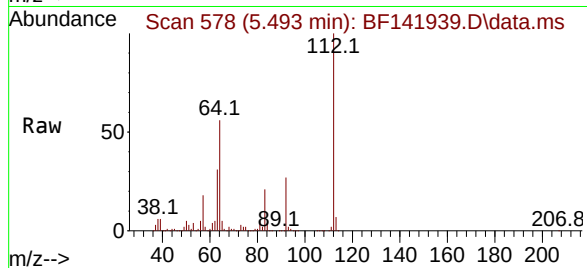




#5
2-Fluorophenol
Concen: 77.057 ng
RT: 5.493 min Scan# 51
Delta R.T. 0.000 min
Lab File: BF141939.D
Acq: 13 Mar 2025 12:17

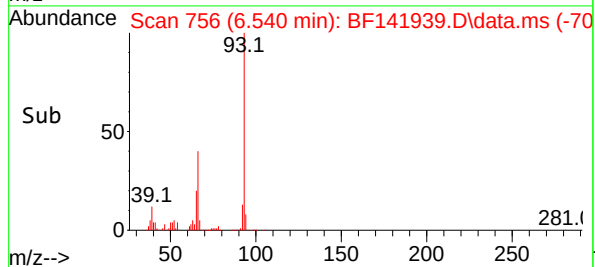
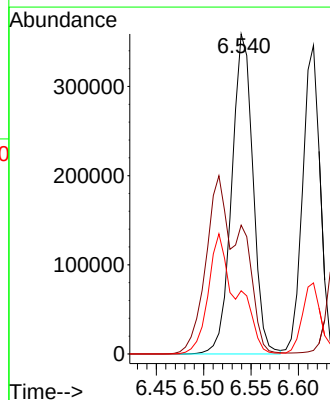
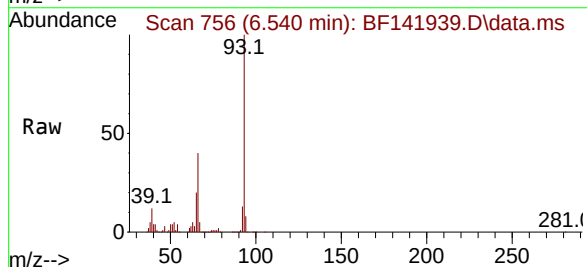
Instrument :
BNA_F
ClientSampleId :
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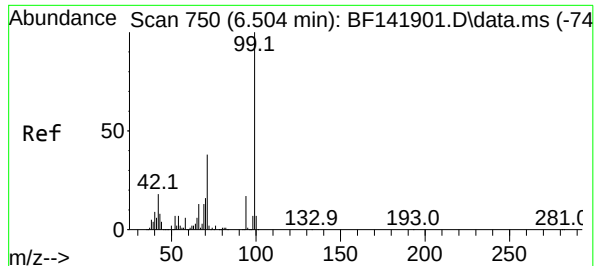
Tgt Ion:112 Resp: 914193
Ion Ratio Lower Upper
112 100
64 56.5 46.5 69.7
63 31.2 25.4 38.2



#6
Aniline
Concen: 37.480 ng
RT: 6.540 min Scan# 756
Delta R.T. -0.006 min
Lab File: BF141939.D
Acq: 13 Mar 2025 12:17

Tgt Ion: 93 Resp: 558500
Ion Ratio Lower Upper
93 100
66 40.2 31.9 47.9
65 19.7 15.8 23.6

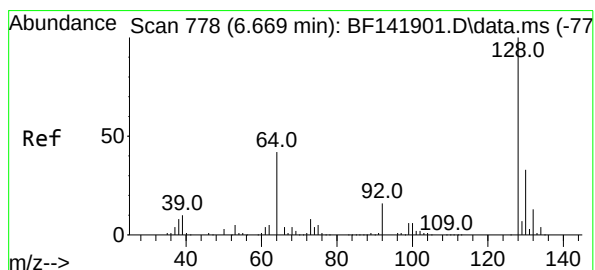
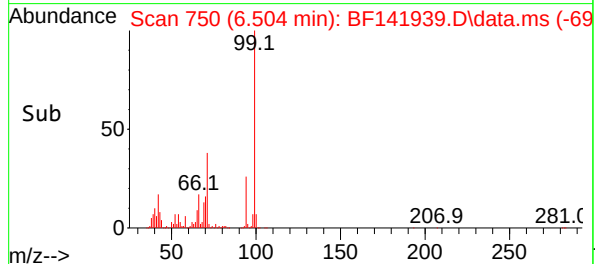
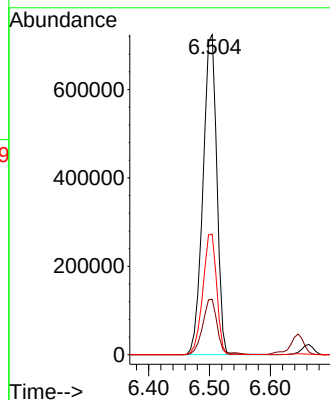
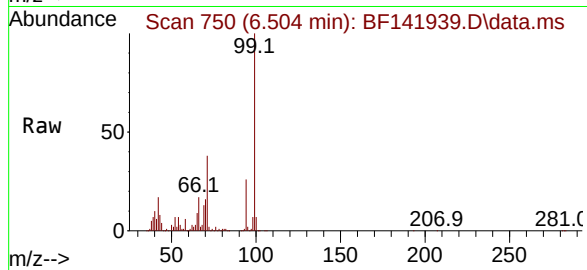




#7
Phenol-d6
Concen: 75.826 ng
RT: 6.504 min Scan# 714
Delta R.T. 0.000 min
Lab File: BF141939.D
Acq: 13 Mar 2025 12:17

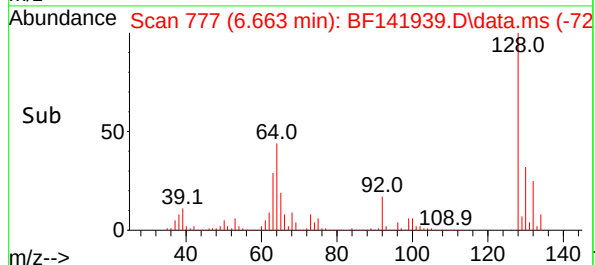
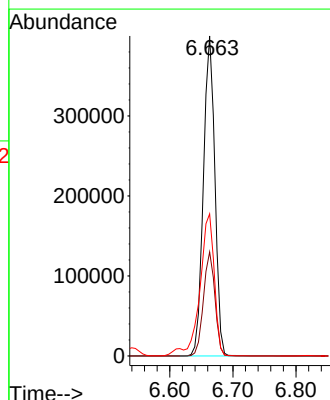
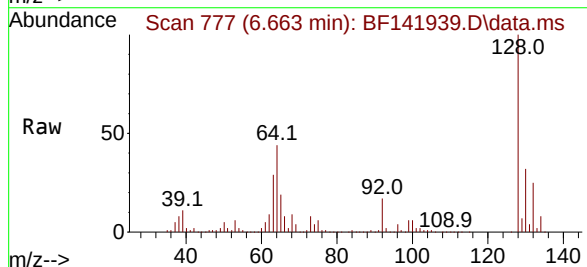
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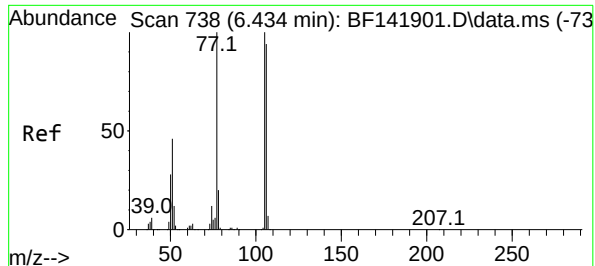
Tgt Ion: 99 Resp: 1145375
Ion Ratio Lower Upper
99 100
42 17.3 14.6 21.8
71 37.7 30.8 46.2



#8
2-Chlorophenol
Concen: 38.395 ng
RT: 6.663 min Scan# 777
Delta R.T. -0.006 min
Lab File: BF141939.D
Acq: 13 Mar 2025 12:17

Tgt Ion: 128 Resp: 505200
Ion Ratio Lower Upper
128 100
130 32.5 12.8 52.8
64 44.4 24.4 64.4





#9

Benzaldehyde

Concen: 35.193 ng

RT: 6.428 min Scan# 71

Delta R.T. -0.006 min

Lab File: BF141939.D

Acq: 13 Mar 2025 12:17

Instrument :

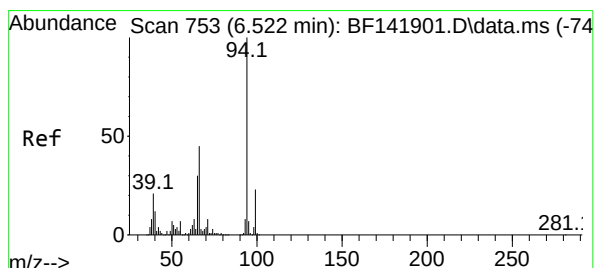
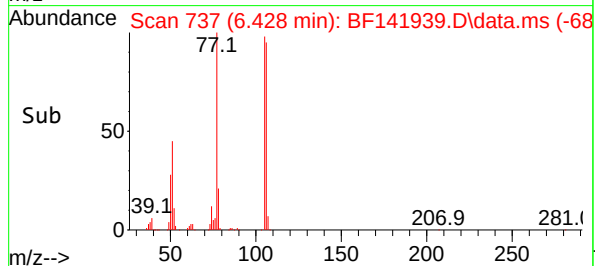
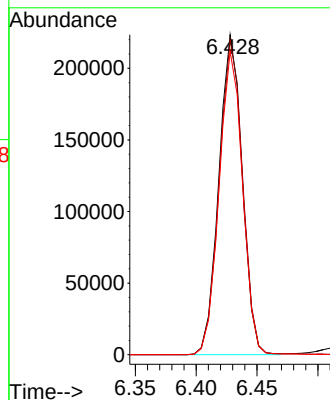
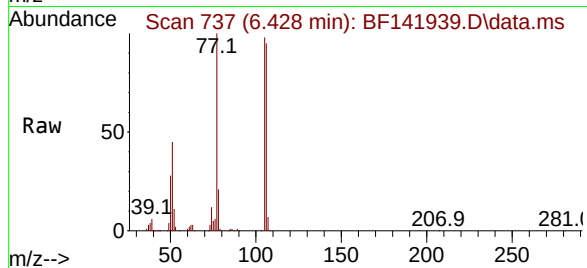
BNA_F

ClientSampleId :

SSTDCCC040

Tgt Ion: 77 Resp: 297311

Ion	Ratio	Lower	Upper
77	100		
105	98.3	80.0	120.0
106	94.8	74.5	114.5



#10

Phenol

Concen: 38.077 ng

RT: 6.516 min Scan# 752

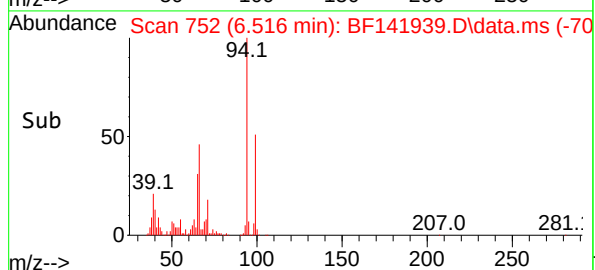
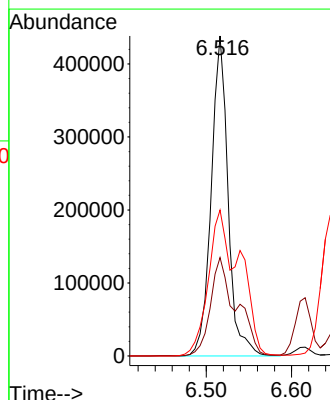
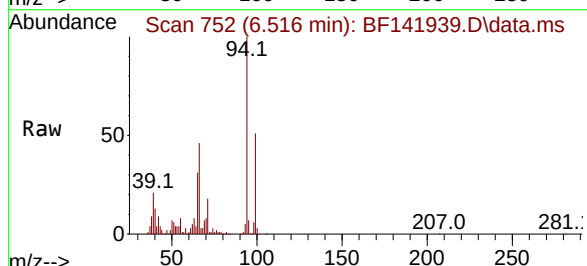
Delta R.T. -0.006 min

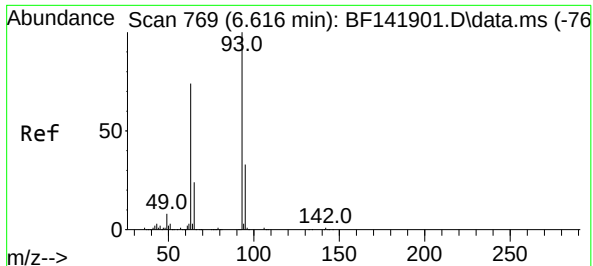
Lab File: BF141939.D

Acq: 13 Mar 2025 12:17

Tgt Ion: 94 Resp: 605095

Ion	Ratio	Lower	Upper
94	100		
65	30.7	10.5	50.5
66	45.6	25.8	65.8





#11

bis(2-Chloroethyl)ether

Concen: 37.411 ng

RT: 6.616 min Scan# 769

Delta R.T. 0.000 min

Lab File: BF141939.D

Acq: 13 Mar 2025 12:17

Instrument :

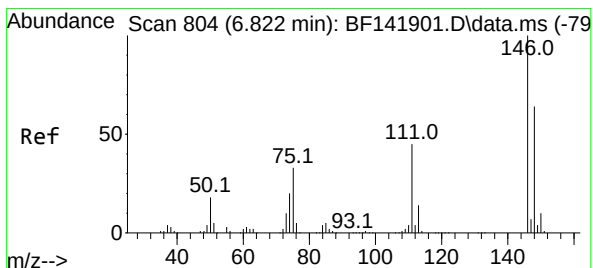
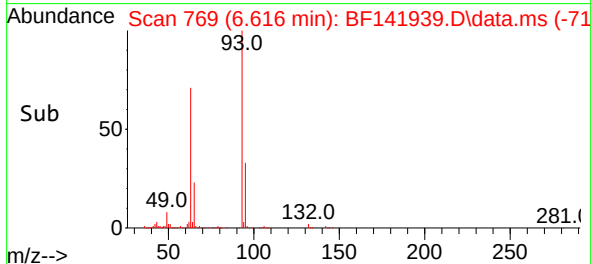
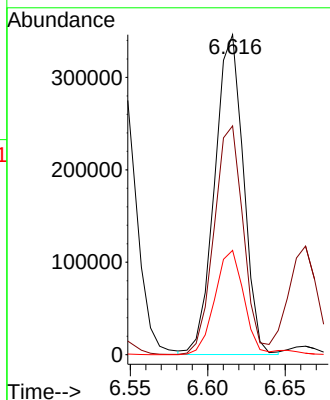
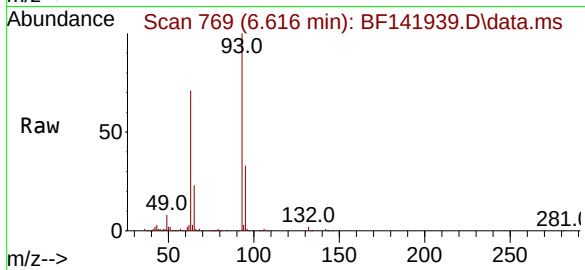
BNA_F

ClientSampleId :

SSTDCCC040

Tgt Ion: 93 Resp: 446408

Ion	Ratio	Lower	Upper
93	100		
63	71.5	53.0	93.0
95	32.6	12.9	52.9



#12

1,3-Dichlorobenzene

Concen: 38.208 ng

RT: 6.816 min Scan# 803

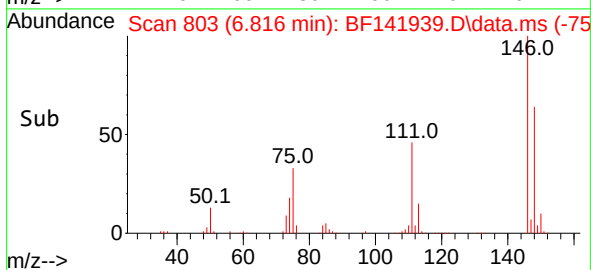
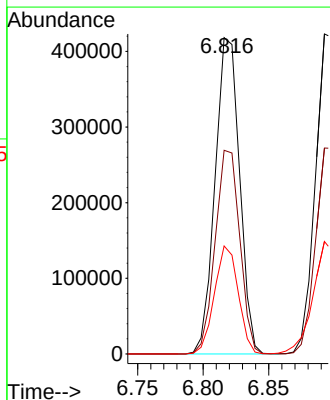
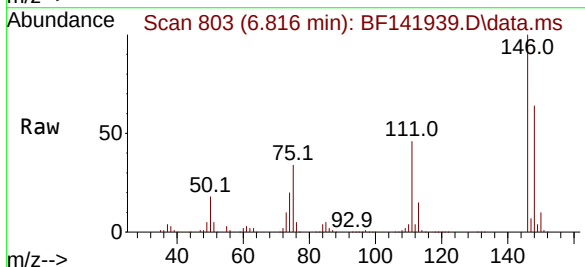
Delta R.T. -0.006 min

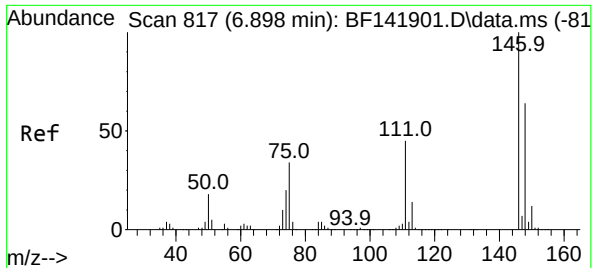
Lab File: BF141939.D

Acq: 13 Mar 2025 12:17

Tgt Ion: 146 Resp: 542765

Ion	Ratio	Lower	Upper
146	100		
148	64.4	51.3	76.9
75	34.2	26.6	40.0





#13

1,4-Dichlorobenzene

Concen: 38.375 ng

RT: 6.892 min Scan# 81

Delta R.T. -0.006 min

Lab File: BF141939.D

Acq: 13 Mar 2025 12:17

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

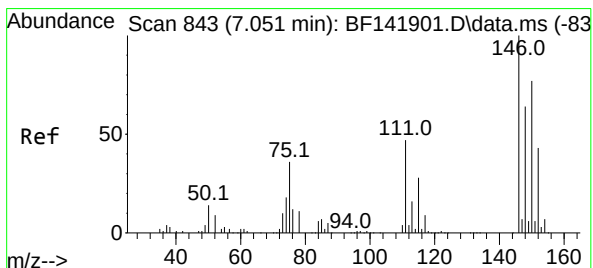
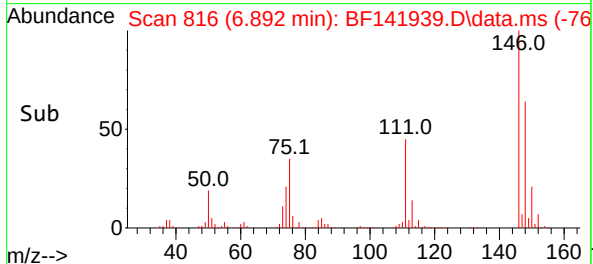
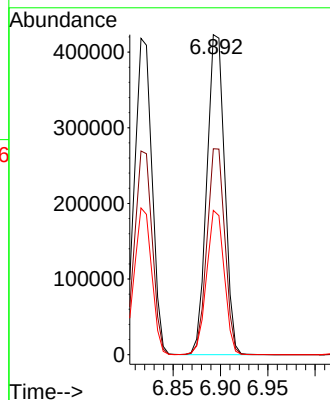
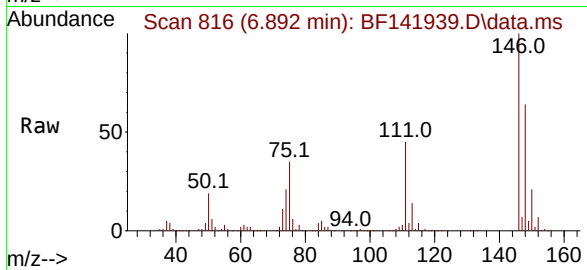
Tgt Ion:146 Resp: 551564

Ion Ratio Lower Upper

146 100

148 64.3 51.0 76.6

111 45.1 35.7 53.5



#14

1,2-Dichlorobenzene

Concen: 38.620 ng

RT: 7.051 min Scan# 843

Delta R.T. 0.000 min

Lab File: BF141939.D

Acq: 13 Mar 2025 12:17

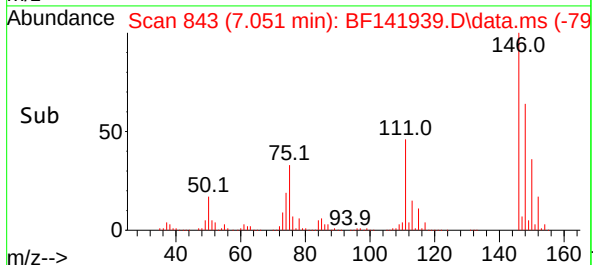
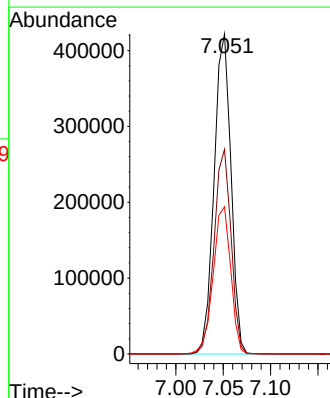
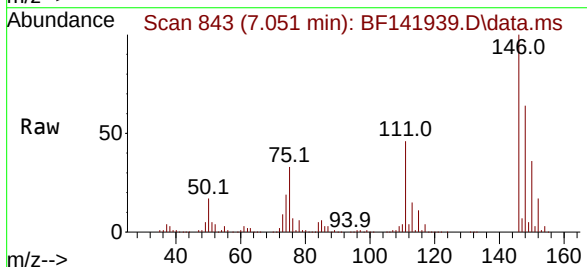
Tgt Ion:146 Resp: 522830

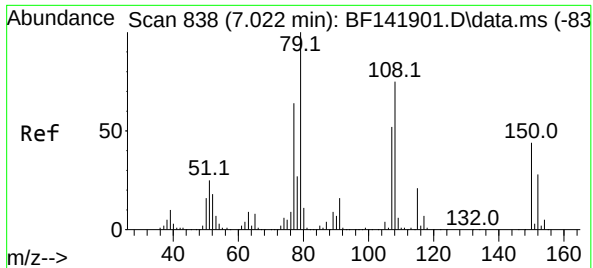
Ion Ratio Lower Upper

146 100

148 63.9 50.8 76.2

111 46.0 38.0 57.0





#15

Benzyl Alcohol

Concen: 37.946 ng

RT: 7.016 min Scan# 81

Delta R.T. -0.006 min

Lab File: BF141939.D

Acq: 13 Mar 2025 12:17

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

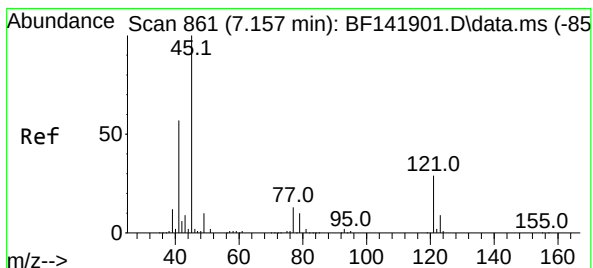
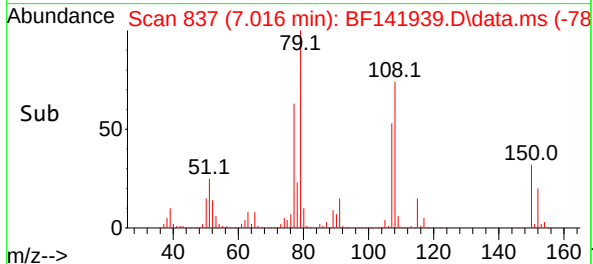
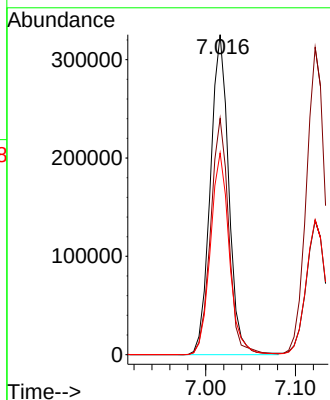
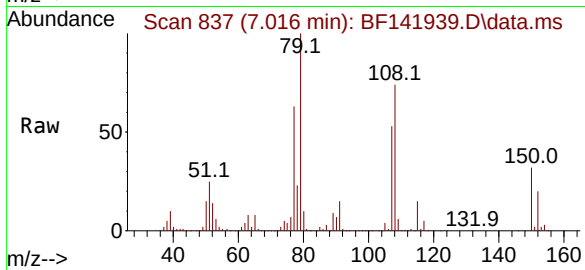
Tgt Ion: 79 Resp: 463386

Ion Ratio Lower Upper

79 100

108 73.8 59.7 89.5

77 63.0 51.0 76.6



#16

2,2'-oxybis(1-chloropropane)

Concen: 35.329 ng

RT: 7.151 min Scan# 860

Delta R.T. -0.006 min

Lab File: BF141939.D

Acq: 13 Mar 2025 12:17

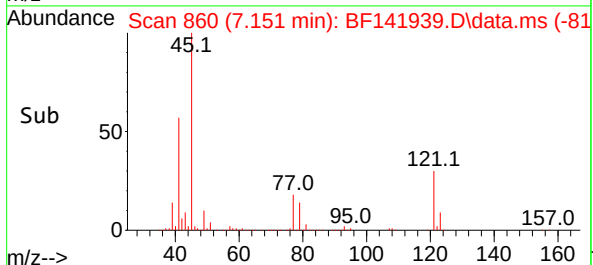
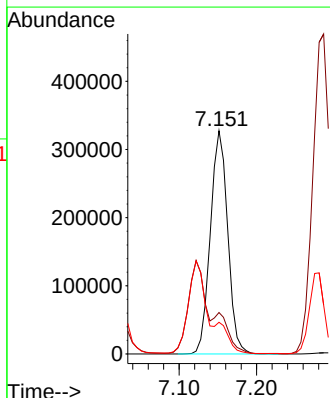
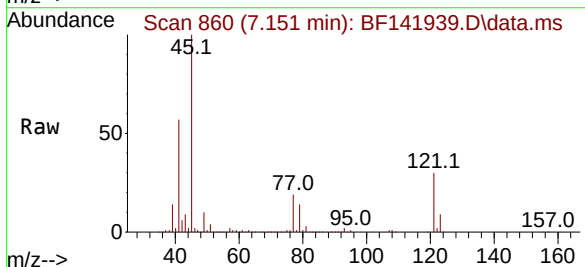
Tgt Ion: 45 Resp: 508939

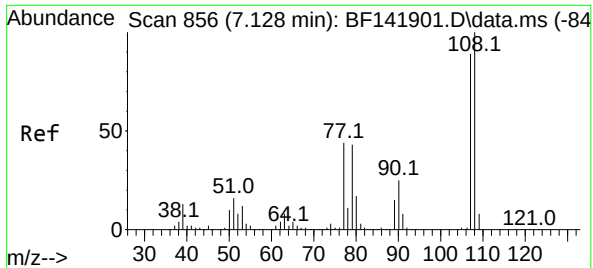
Ion Ratio Lower Upper

45 100

77 18.6 0.0 37.8

79 14.2 0.0 34.2



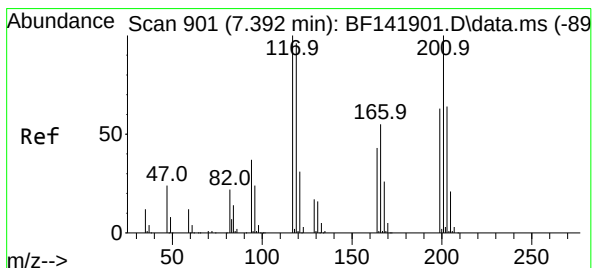
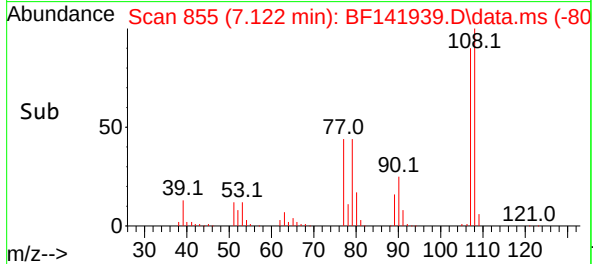
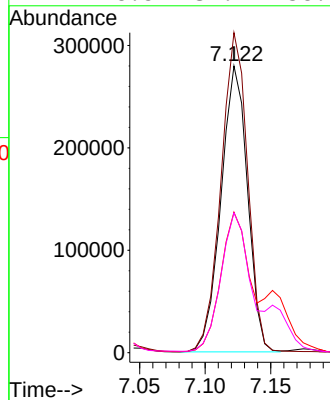
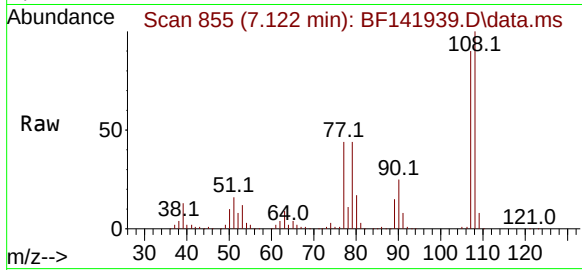


#17
2-Methylphenol
Concen: 37.607 ng
RT: 7.122 min Scan# 856
Delta R.T. -0.006 min
Lab File: BF141939.D
Acq: 13 Mar 2025 12:17

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:107 Resp: 393438

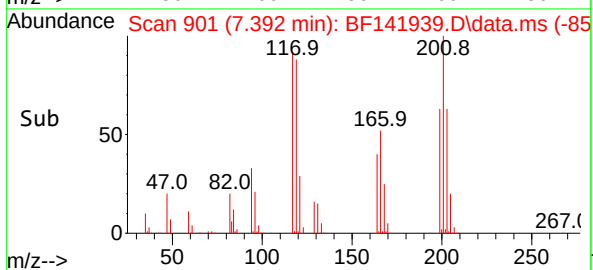
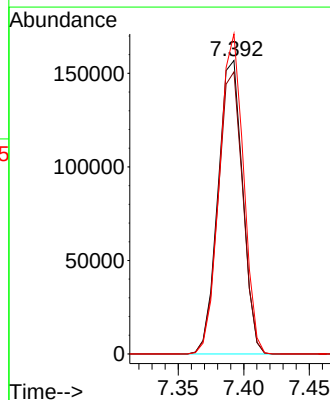
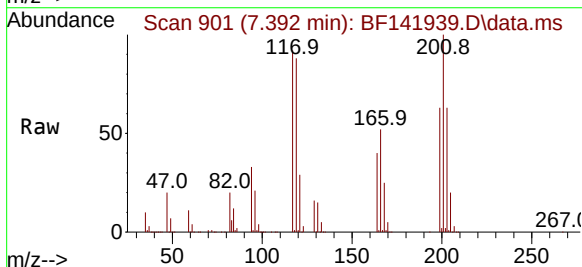
Ion	Ratio	Lower	Upper
107	100		
108	111.6	90.2	135.2
77	49.0	39.6	59.4
79	48.8	39.1	58.7

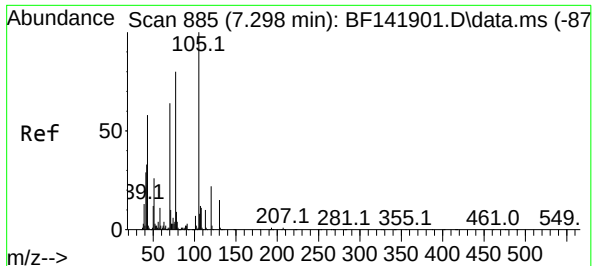


#18
Hexachloroethane
Concen: 38.069 ng
RT: 7.392 min Scan# 901
Delta R.T. 0.000 min
Lab File: BF141939.D
Acq: 13 Mar 2025 12:17

Tgt Ion:117 Resp: 205179

Ion	Ratio	Lower	Upper
117	100		
119	96.1	76.9	115.3
201	109.1	79.9	119.9





#19

n-Nitroso-di-n-propylamine

Concen: 35.812 ng

RT: 7.292 min Scan# 885

Delta R.T. -0.006 min

Lab File: BF141939.D

Acq: 13 Mar 2025 12:17

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

Tgt Ion: 70 Resp: 347590

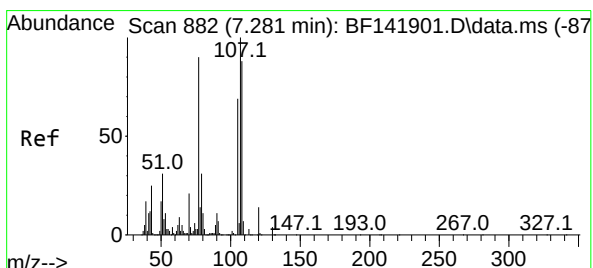
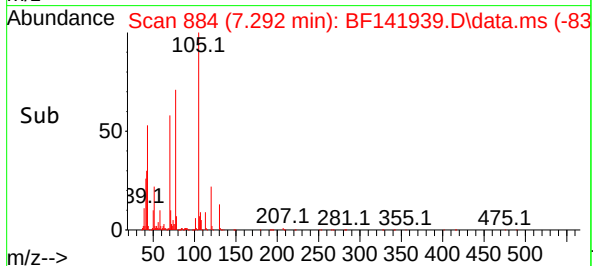
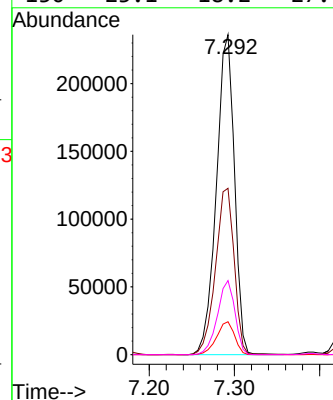
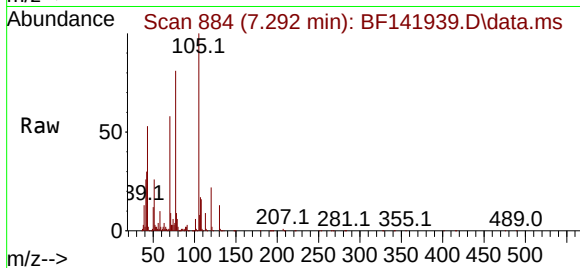
Ion Ratio Lower Upper

70 100

42 52.0 41.4 62.0

101 10.3 8.2 12.2

130 23.1 18.2 27.4



#20

3+4-Methylphenols

Concen: 37.464 ng

RT: 7.275 min Scan# 881

Delta R.T. -0.006 min

Lab File: BF141939.D

Acq: 13 Mar 2025 12:17

Tgt Ion:107 Resp: 502037

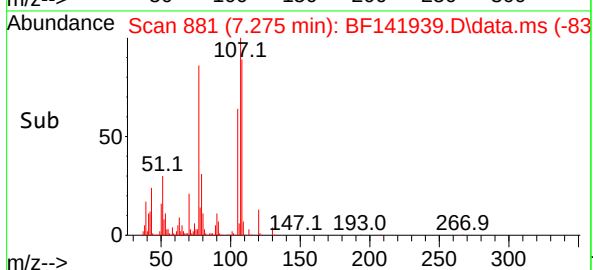
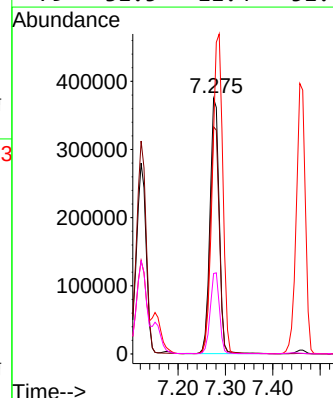
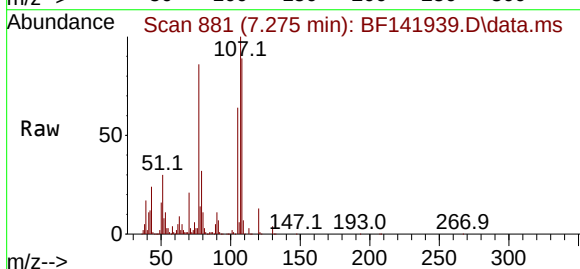
Ion Ratio Lower Upper

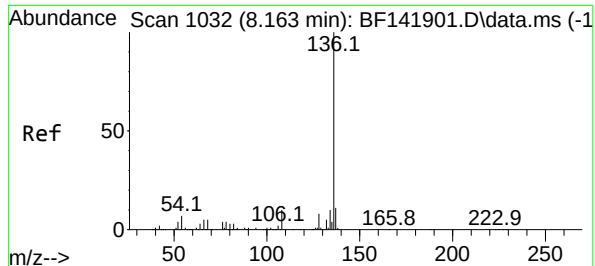
107 100

108 88.8 68.4 108.4

77 86.2 69.7 109.7

79 31.5 11.4 51.4





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.157 min Scan# 1031

Delta R.T. -0.006 min

Lab File: BF141939.D

Acq: 13 Mar 2025 12:17

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

Tgt Ion:136 Resp: 767232

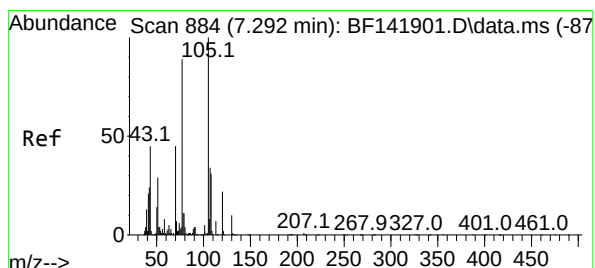
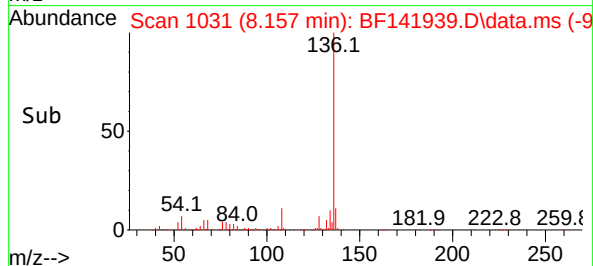
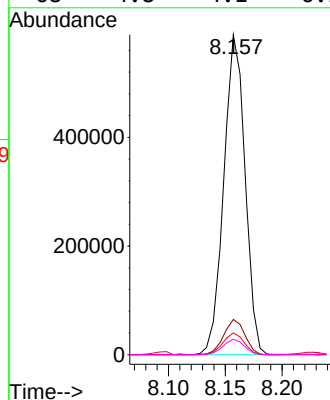
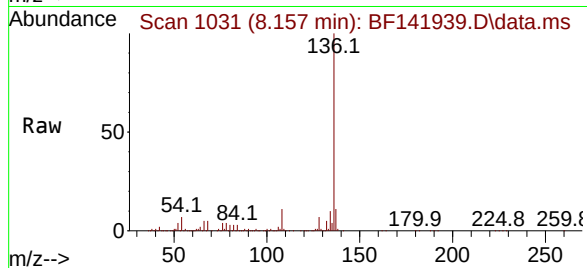
Ion Ratio Lower Upper

136 100

137 11.0 8.8 13.2

54 6.8 5.8 8.8

68 4.8 4.1 6.1



#22

Acetophenone

Concen: 38.332 ng

RT: 7.287 min Scan# 883

Delta R.T. -0.006 min

Lab File: BF141939.D

Acq: 13 Mar 2025 12:17

Tgt Ion:105 Resp: 704297

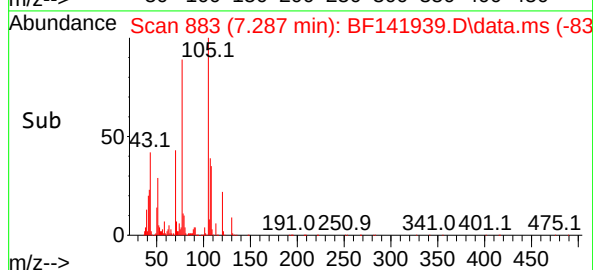
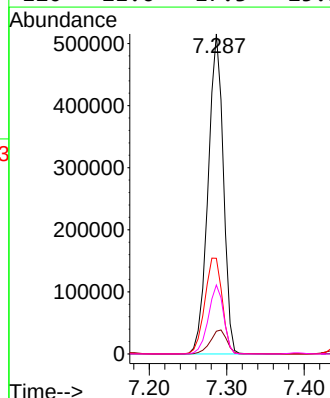
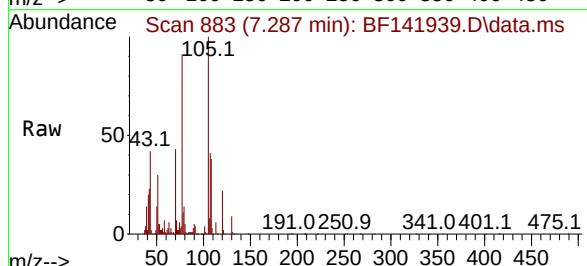
Ion Ratio Lower Upper

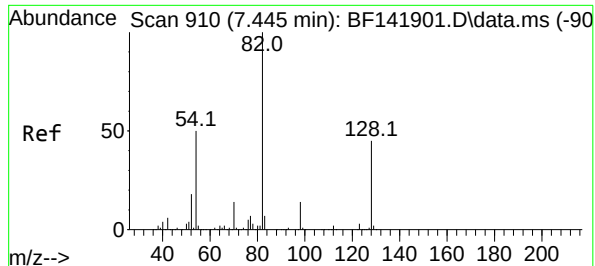
105 100

71 7.1 5.8 8.8

51 29.9 23.4 35.0

120 21.6 17.3 25.9





#23

Nitrobenzene-d5

Concen: 77.391 ng

RT: 7.439 min Scan# 90

Delta R.T. -0.006 min

Lab File: BF141939.D

Acq: 13 Mar 2025 12:17

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

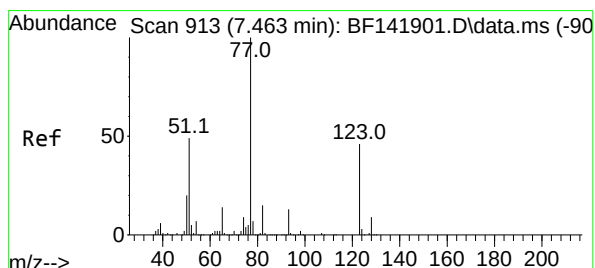
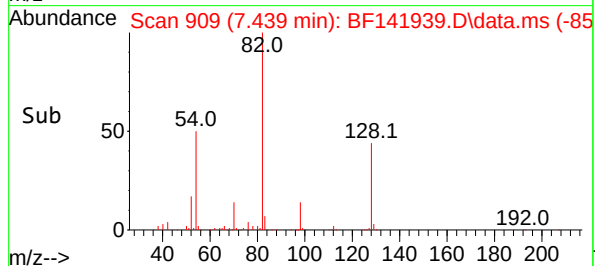
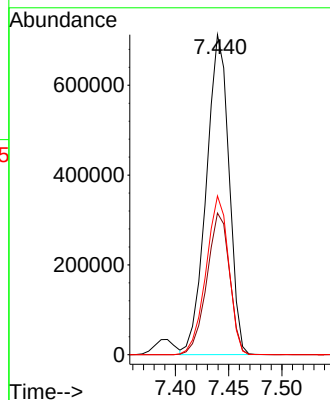
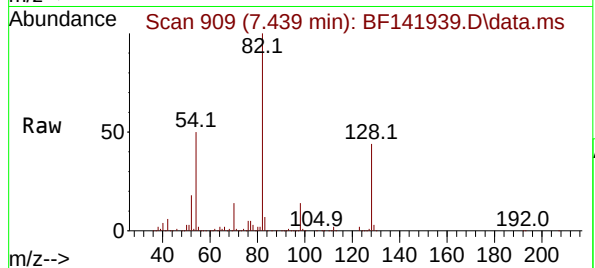
Tgt Ion: 82 Resp: 1055101

Ion Ratio Lower Upper

82 100

128 44.2 36.0 54.0

54 49.6 39.6 59.4



#24

Nitrobenzene

Concen: 38.634 ng

RT: 7.457 min Scan# 912

Delta R.T. -0.006 min

Lab File: BF141939.D

Acq: 13 Mar 2025 12:17

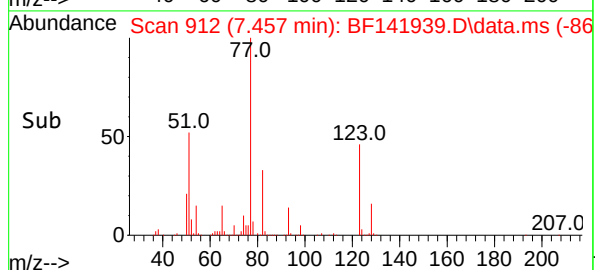
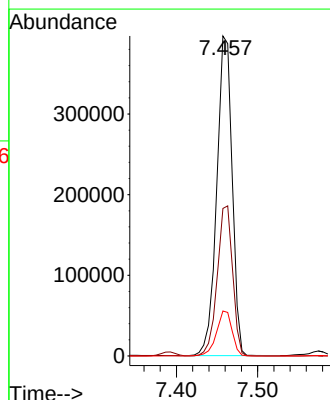
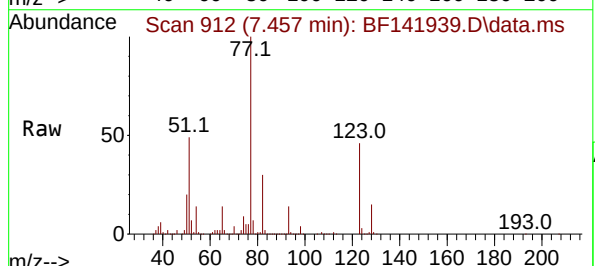
Tgt Ion: 77 Resp: 523612

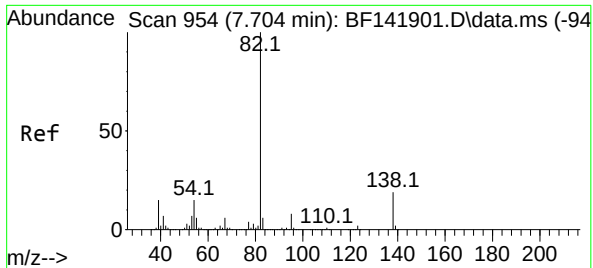
Ion Ratio Lower Upper

77 100

123 46.1 37.0 55.4

65 14.1 11.3 16.9

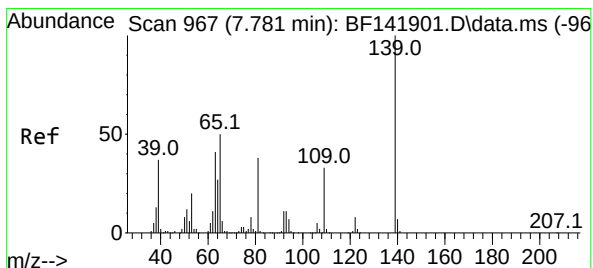
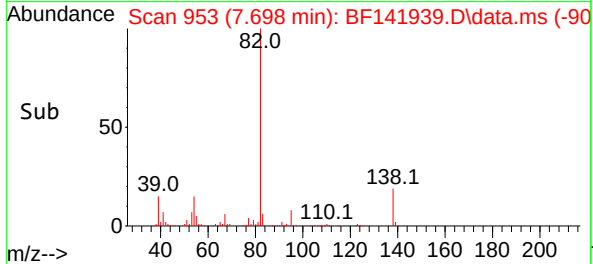
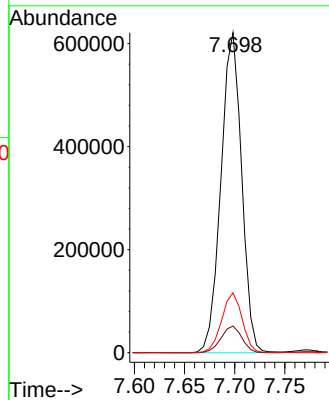
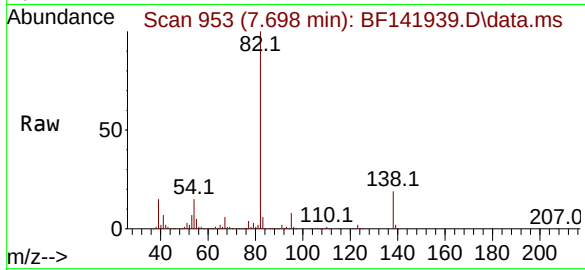




#25
Isophorone
Concen: 36.899 ng
RT: 7.698 min Scan# 91
Delta R.T. -0.006 min
Lab File: BF141939.D
Acq: 13 Mar 2025 12:17

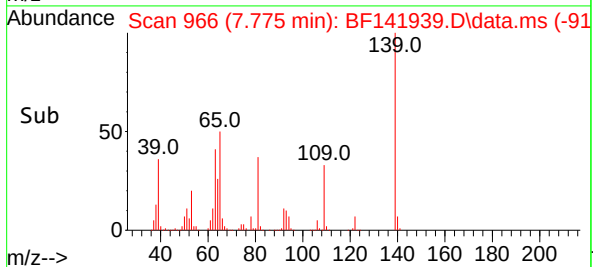
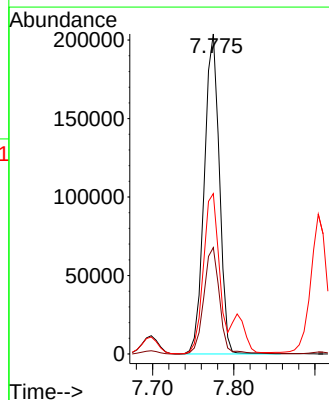
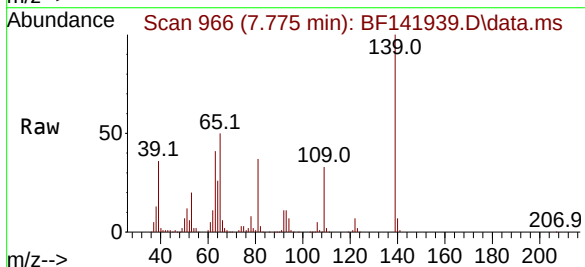
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

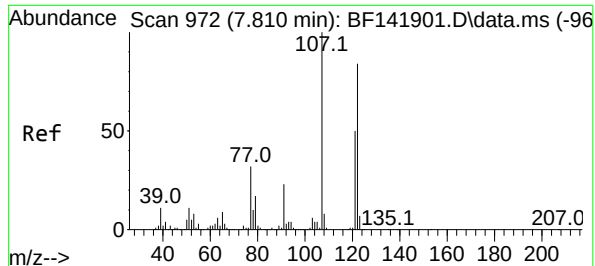
Tgt Ion: 82 Resp: 889235
Ion Ratio Lower Upper
82 100
95 8.3 6.4 9.6
138 18.7 14.9 22.3



#26
2-Nitrophenol
Concen: 39.549 ng
RT: 7.775 min Scan# 966
Delta R.T. -0.006 min
Lab File: BF141939.D
Acq: 13 Mar 2025 12:17

Tgt Ion: 139 Resp: 263074
Ion Ratio Lower Upper
139 100
109 33.2 26.5 39.7
65 50.1 40.3 60.5





#27

2,4-Dimethylphenol

Concen: 38.499 ng

RT: 7.804 min Scan# 91

Delta R.T. -0.006 min

Lab File: BF141939.D

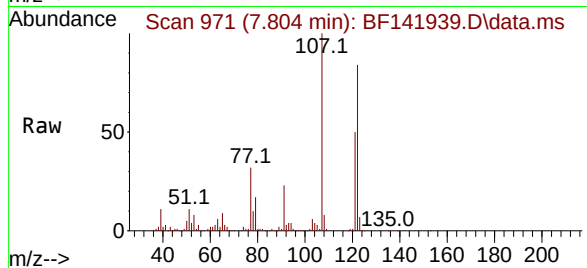
Acq: 13 Mar 2025 12:17

Instrument :

BNA_F

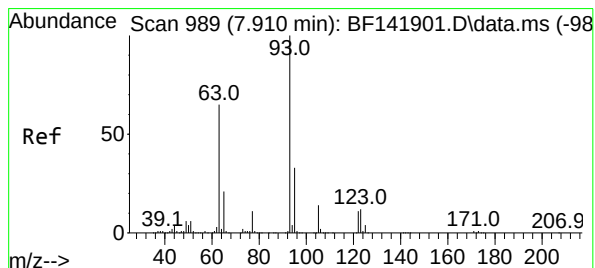
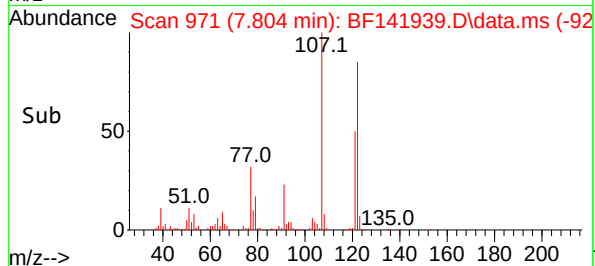
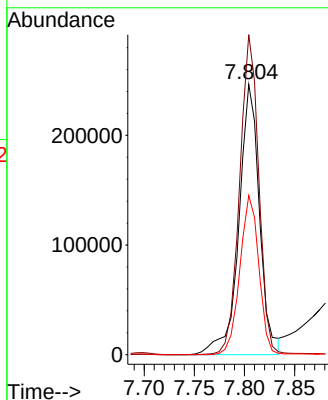
ClientSampleId :

SSTDCCC040



Tgt Ion:122 Resp: 352630

Ion	Ratio	Lower	Upper
122	100		
107	118.4	94.8	142.2
121	58.9	47.8	71.6



#28

bis(2-Chloroethoxy)methane

Concen: 37.044 ng

RT: 7.904 min Scan# 988

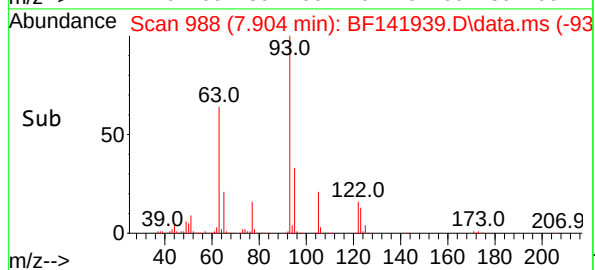
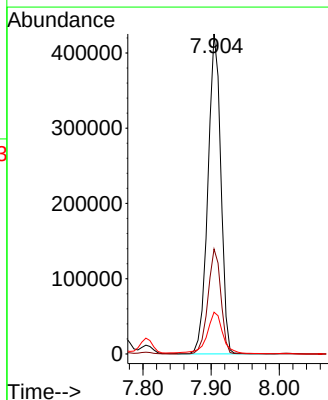
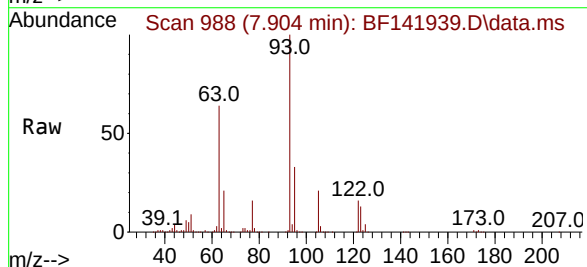
Delta R.T. -0.006 min

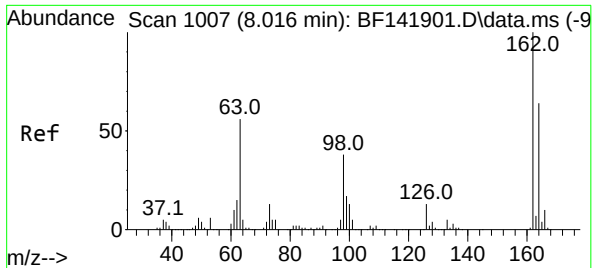
Lab File: BF141939.D

Acq: 13 Mar 2025 12:17

Tgt Ion: 93 Resp: 559932

Ion	Ratio	Lower	Upper
93	100		
95	32.8	26.6	40.0
123	13.1	10.2	15.4





#29

2,4-Dichlorophenol

Concen: 38.322 ng

RT: 8.010 min Scan# 1006

Delta R.T. -0.006 min

Lab File: BF141939.D

Acq: 13 Mar 2025 12:17

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

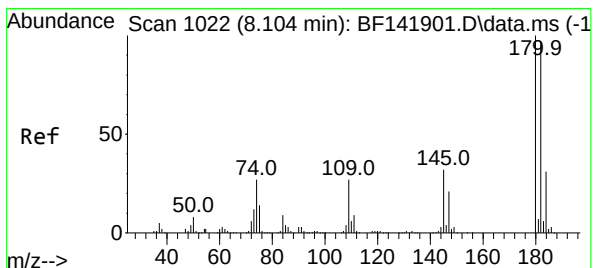
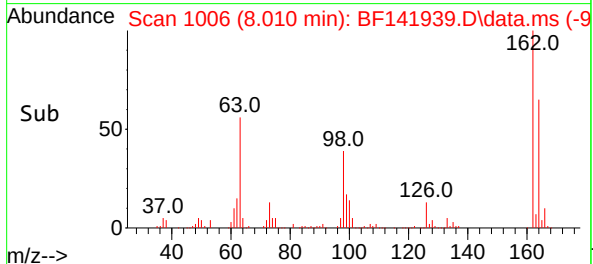
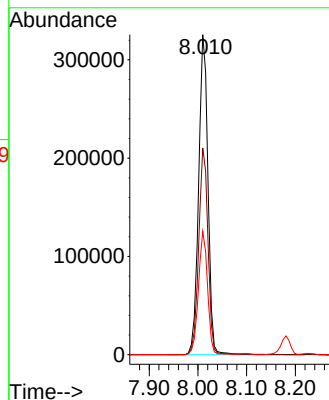
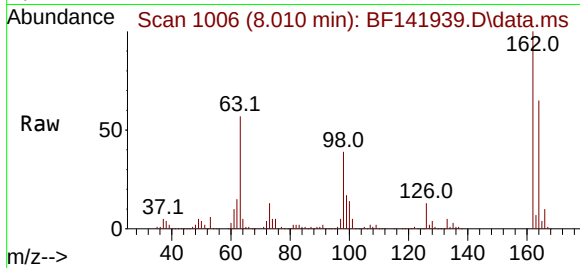
Tgt Ion:162 Resp: 435680

Ion Ratio Lower Upper

162 100

164 64.6 43.8 83.8

98 38.6 18.1 58.1



#30

1,2,4-Trichlorobenzene

Concen: 38.527 ng

RT: 8.098 min Scan# 1021

Delta R.T. -0.006 min

Lab File: BF141939.D

Acq: 13 Mar 2025 12:17

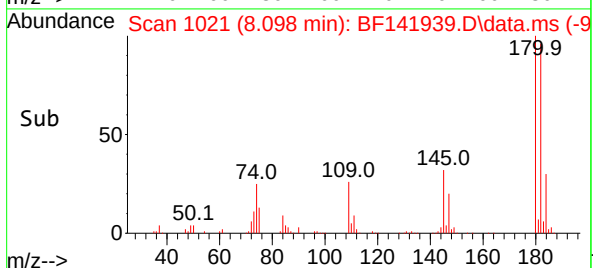
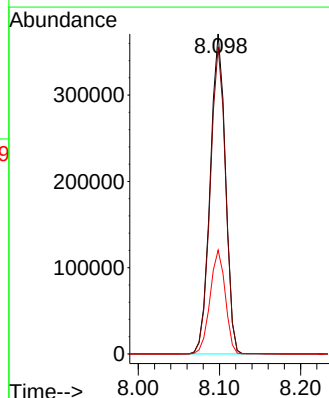
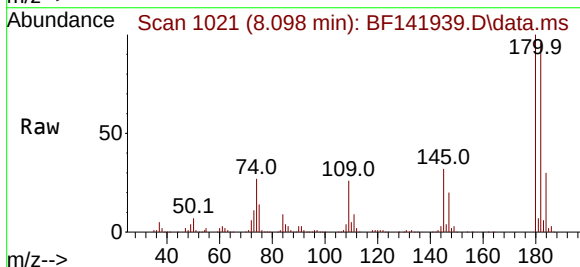
Tgt Ion:180 Resp: 482699

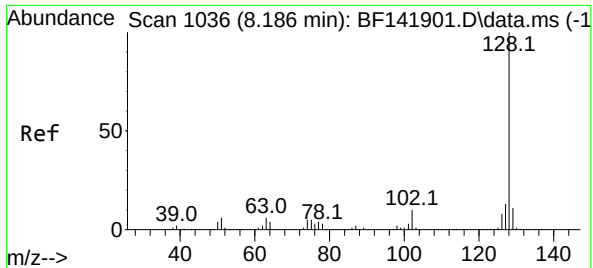
Ion Ratio Lower Upper

180 100

182 96.0 77.5 116.3

145 32.5 25.8 38.6

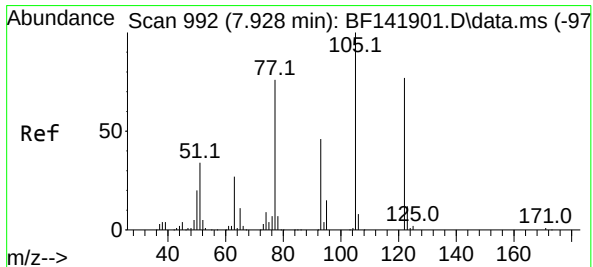
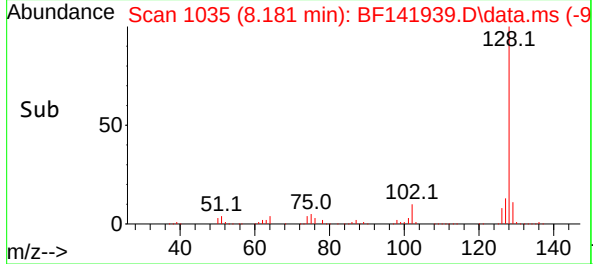
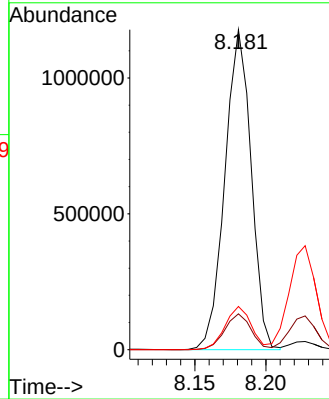
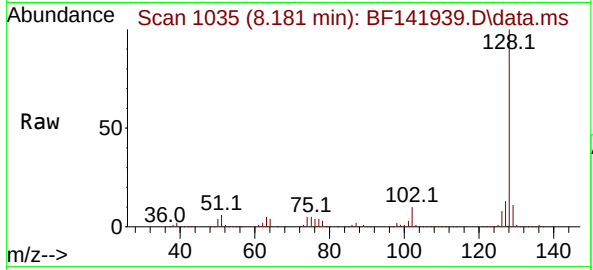




#31
Naphthalene
Concen: 38.385 ng
RT: 8.181 min Scan# 1036
Delta R.T. -0.006 min
Lab File: BF141939.D
Acq: 13 Mar 2025 12:17

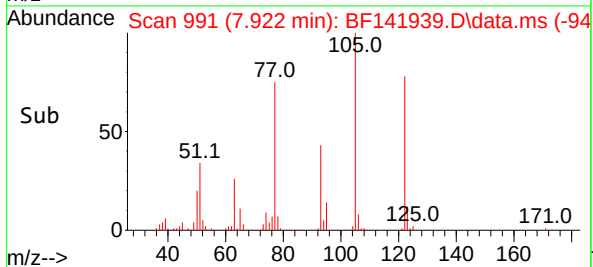
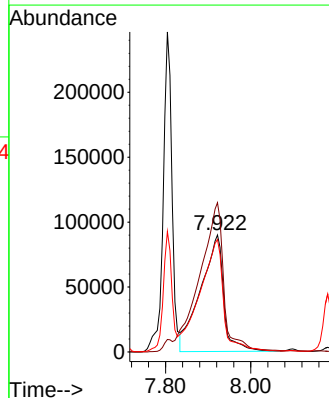
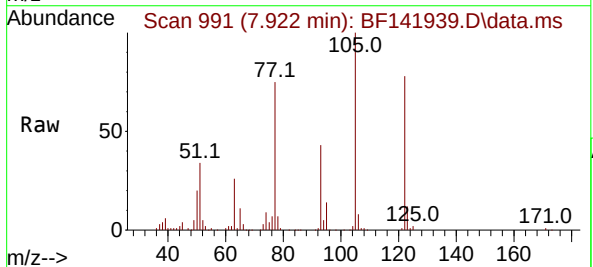
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

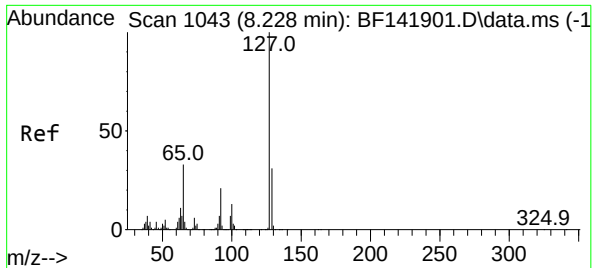
Tgt Ion:128 Resp: 1512818
Ion Ratio Lower Upper
128 100
129 11.2 9.0 13.6
127 13.5 10.8 16.2



#32
Benzoic acid
Concen: 42.081 ng
RT: 7.922 min Scan# 991
Delta R.T. -0.006 min
Lab File: BF141939.D
Acq: 13 Mar 2025 12:17

Tgt Ion:122 Resp: 338815
Ion Ratio Lower Upper
122 100
105 127.7 107.9 147.9
77 96.2 79.0 119.0

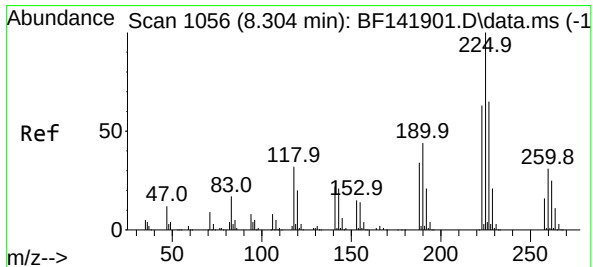
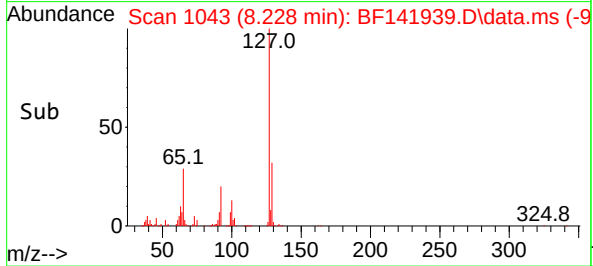
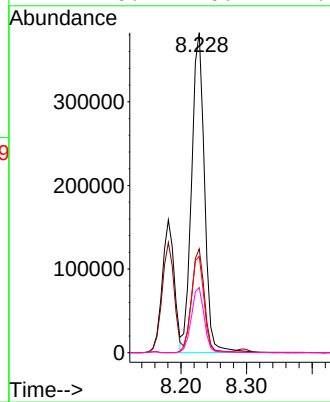
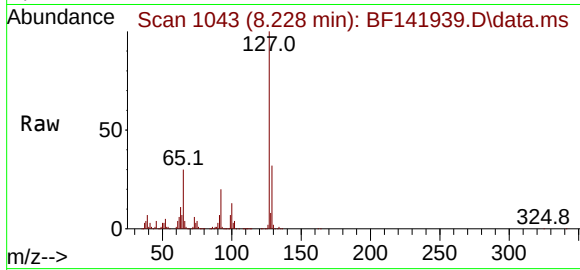




#33
4-Chloroaniline
Concen: 37.629 ng
RT: 8.228 min Scan# 1043
Delta R.T. 0.000 min
Lab File: BF141939.D
Acq: 13 Mar 2025 12:17

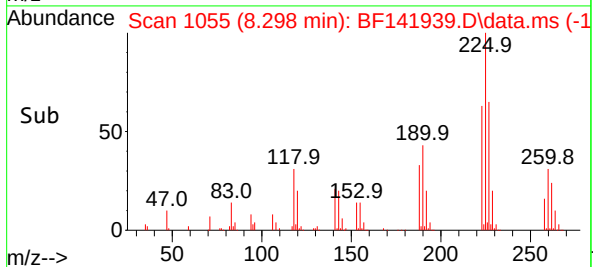
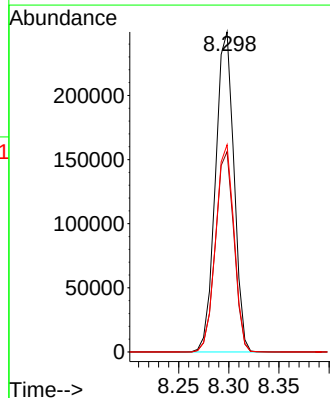
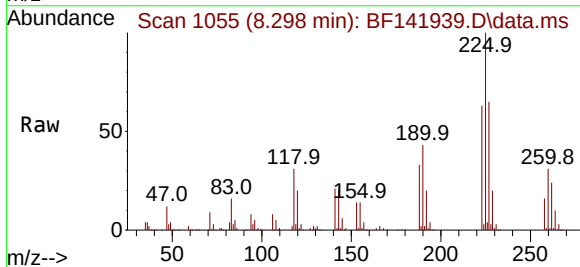
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

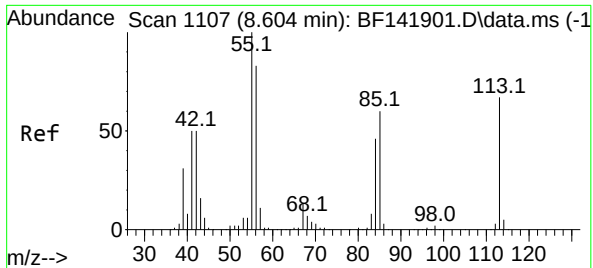
Tgt Ion:	127	Resp:	523526
Ion	Ratio	Lower	Upper
127	100		
129	32.5	26.2	39.4
65	30.1	25.4	38.2
92	20.4	16.2	24.4



#34
Hexachlorobutadiene
Concen: 39.060 ng
RT: 8.298 min Scan# 1055
Delta R.T. -0.006 min
Lab File: BF141939.D
Acq: 13 Mar 2025 12:17

Tgt Ion:	225	Resp:	319154
Ion	Ratio	Lower	Upper
225	100		
223	62.6	50.6	75.8
227	64.8	52.2	78.2

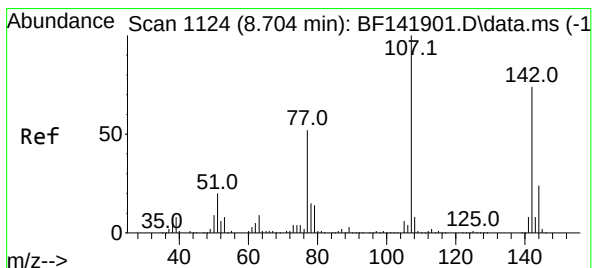
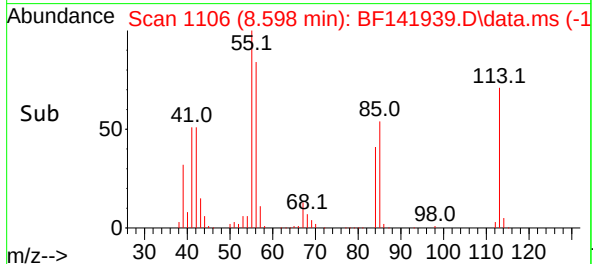
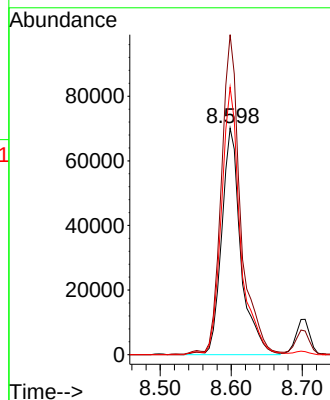
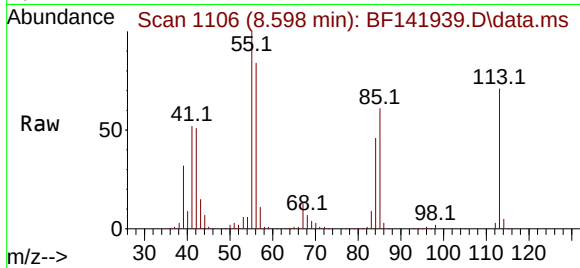




#35
Caprolactam
Concen: 37.884 ng
RT: 8.598 min Scan# 1106
Delta R.T. -0.006 min
Lab File: BF141939.D
Acq: 13 Mar 2025 12:17

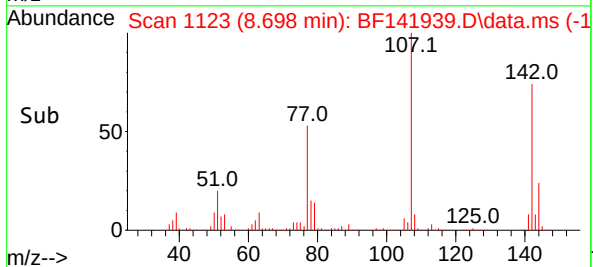
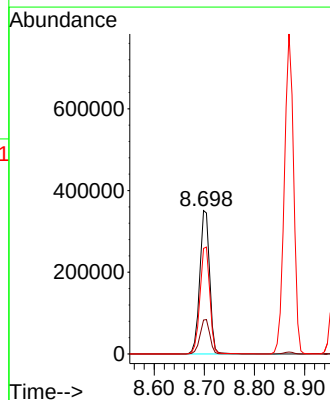
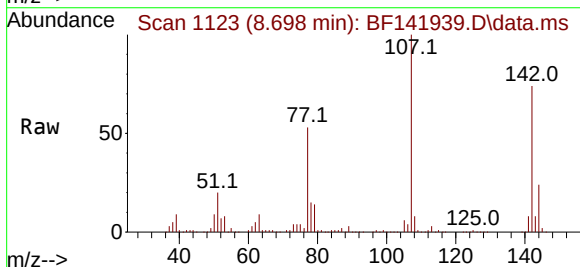
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

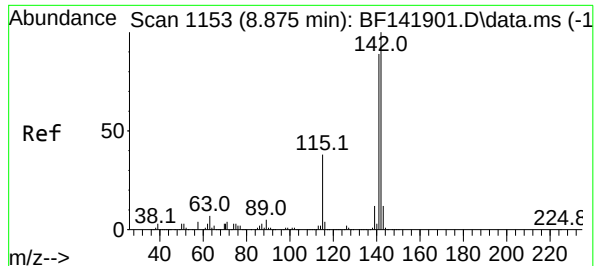
Tgt Ion:113 Resp: 131311
Ion Ratio Lower Upper
113 100
55 141.3 129.6 169.6
56 118.1 104.0 144.0



#36
4-Chloro-3-methylphenol
Concen: 37.769 ng
RT: 8.698 min Scan# 1123
Delta R.T. -0.006 min
Lab File: BF141939.D
Acq: 13 Mar 2025 12:17

Tgt Ion:107 Resp: 479000
Ion Ratio Lower Upper
107 100
144 23.6 19.0 28.6
142 73.6 59.2 88.8

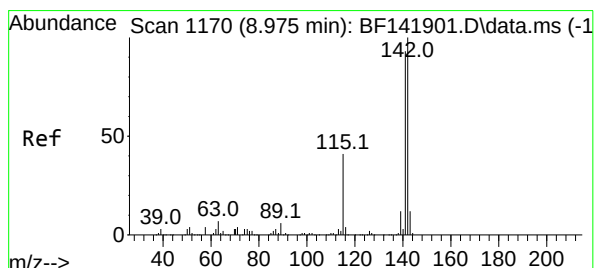
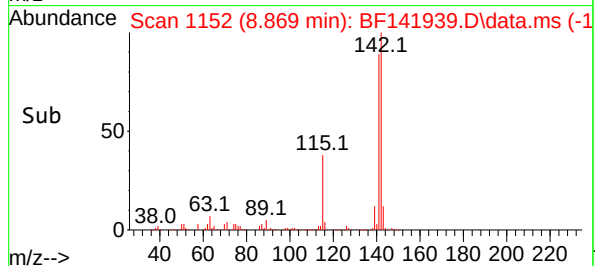
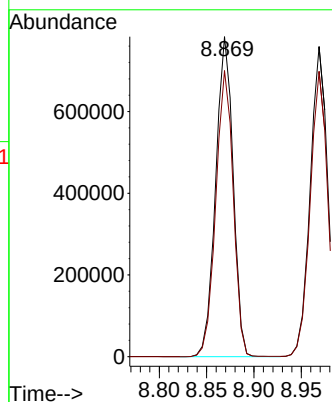
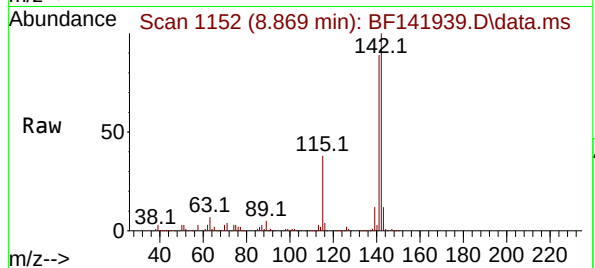




#37
2-Methylnaphthalene
Concen: 38.045 ng
RT: 8.869 min Scan# 1153
Delta R.T. -0.006 min
Lab File: BF141939.D
Acq: 13 Mar 2025 12:17

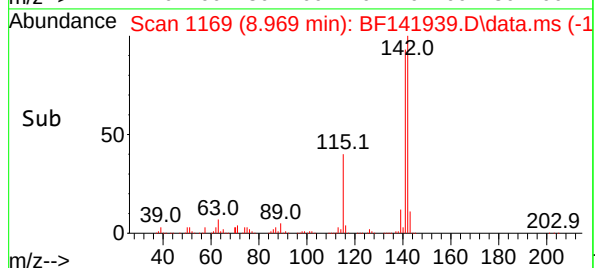
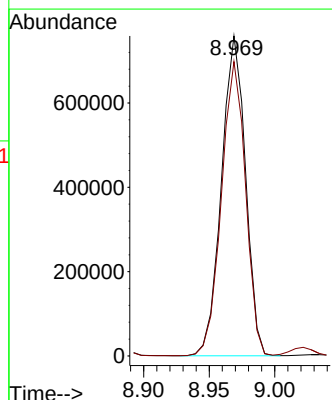
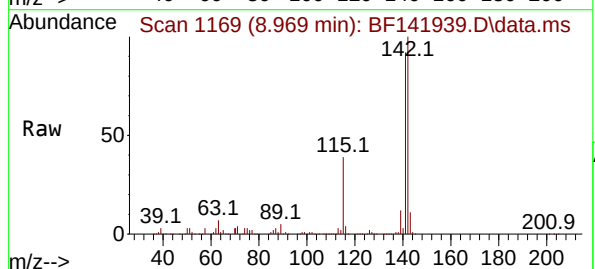
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

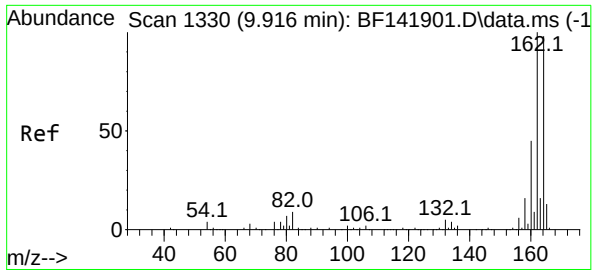
Tgt Ion:142 Resp: 1002209
Ion Ratio Lower Upper
142 100
141 89.4 71.2 106.8



#38
1-Methylnaphthalene
Concen: 38.016 ng
RT: 8.969 min Scan# 1169
Delta R.T. -0.006 min
Lab File: BF141939.D
Acq: 13 Mar 2025 12:17

Tgt Ion:142 Resp: 966389
Ion Ratio Lower Upper
142 100
141 92.0 74.2 111.4

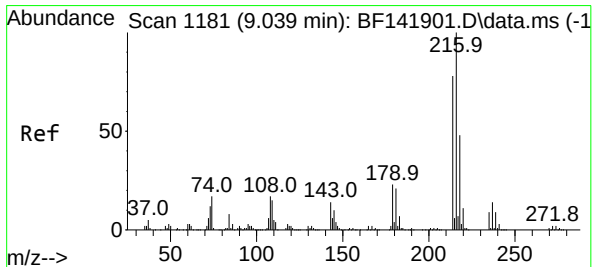
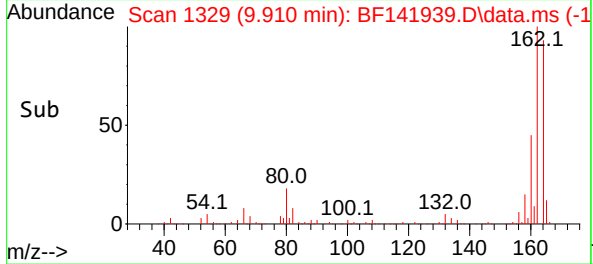
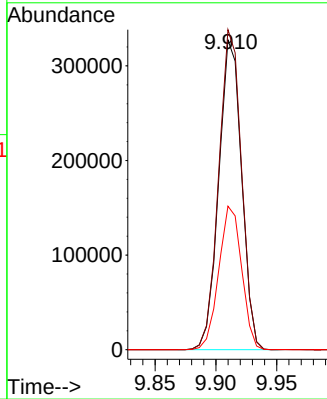
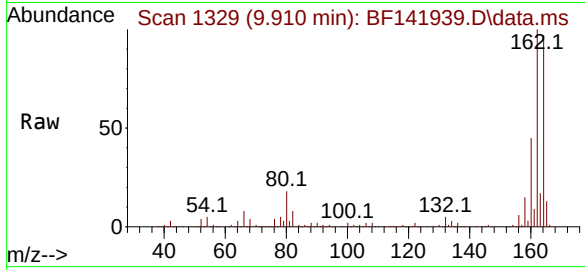




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.910 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF141939.D
Acq: 13 Mar 2025 12:17

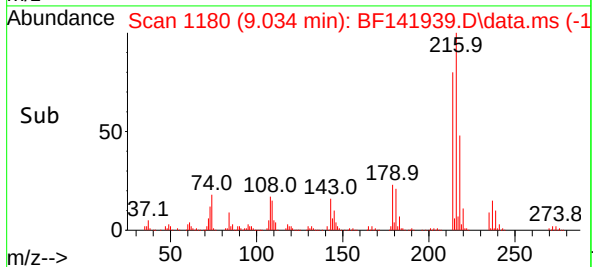
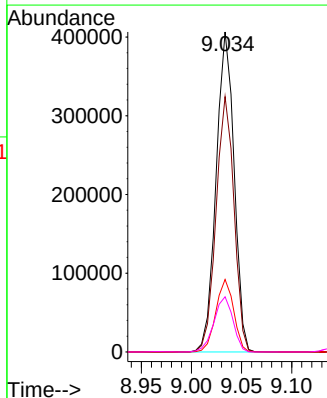
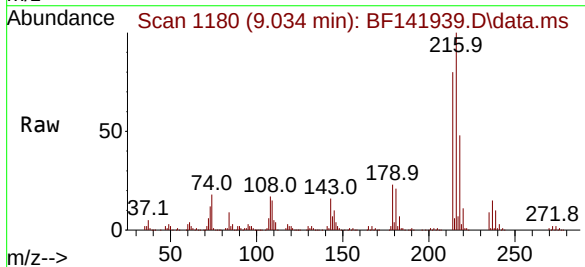
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

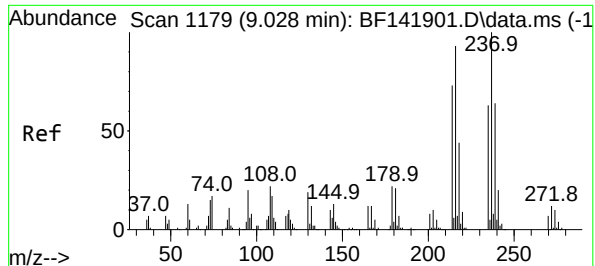
Tgt Ion:164 Resp: 426931
Ion Ratio Lower Upper
164 100
162 103.3 81.8 122.6
160 46.3 36.7 55.1



#40
1,2,4,5-Tetrachlorobenzene
Concen: 38.972 ng
RT: 9.034 min Scan# 1180
Delta R.T. -0.006 min
Lab File: BF141939.D
Acq: 13 Mar 2025 12:17

Tgt Ion:216 Resp: 506575
Ion Ratio Lower Upper
216 100
214 79.5 61.9 92.9
179 22.4 18.1 27.1
108 18.3 14.7 22.1





#41

Hexachlorocyclopentadiene

Concen: 41.981 ng

RT: 9.022 min Scan# 1179

Delta R.T. -0.006 min

Lab File: BF141939.D

Acq: 13 Mar 2025 12:17

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

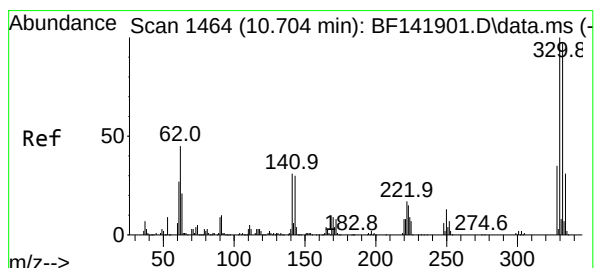
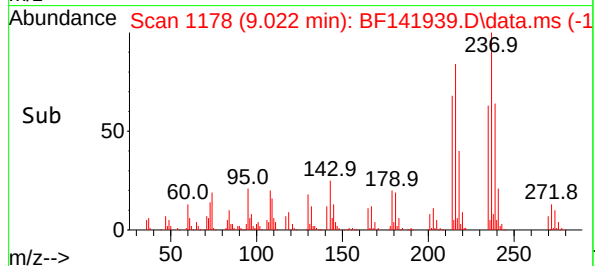
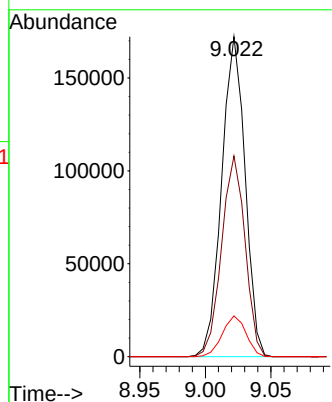
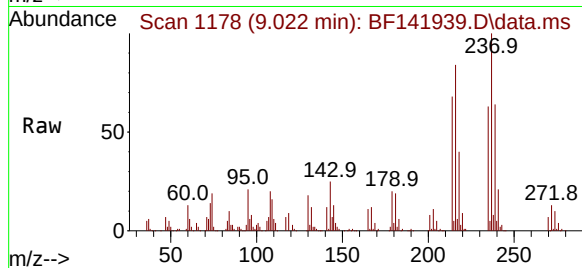
Tgt Ion:237 Resp: 213556

Ion Ratio Lower Upper

237 100

235 62.7 43.1 83.1

272 12.8 0.0 32.0



#42

2,4,6-Tribromophenol

Concen: 79.856 ng

RT: 10.698 min Scan# 1463

Delta R.T. -0.006 min

Lab File: BF141939.D

Acq: 13 Mar 2025 12:17

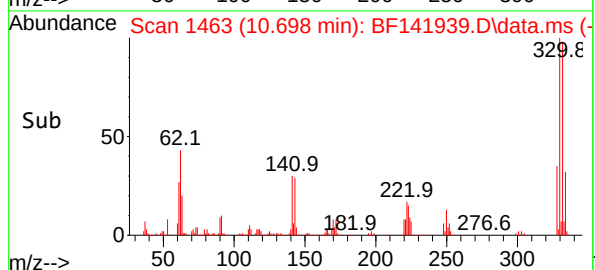
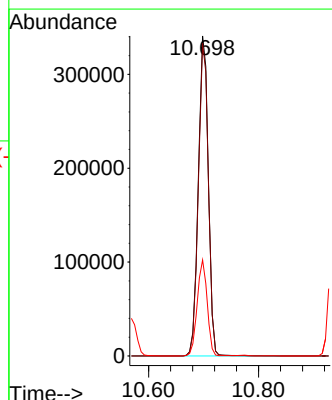
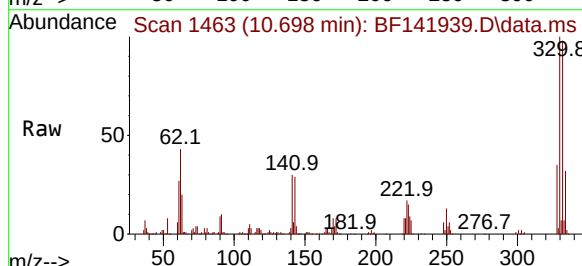
Tgt Ion:330 Resp: 432513

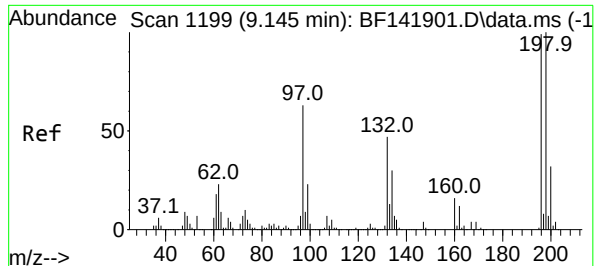
Ion Ratio Lower Upper

330 100

332 97.4 77.6 116.4

141 29.8 24.7 37.1





#43

2,4,6-Trichlorophenol

Concen: 39.520 ng

RT: 9.145 min Scan# 1199

Delta R.T. 0.000 min

Lab File: BF141939.D

Acq: 13 Mar 2025 12:17

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

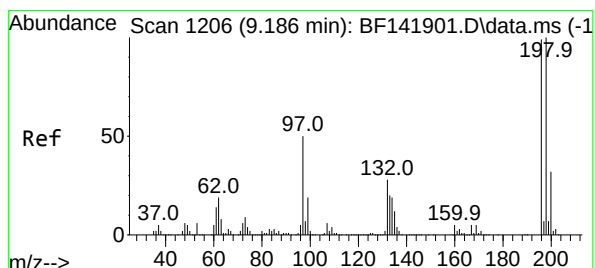
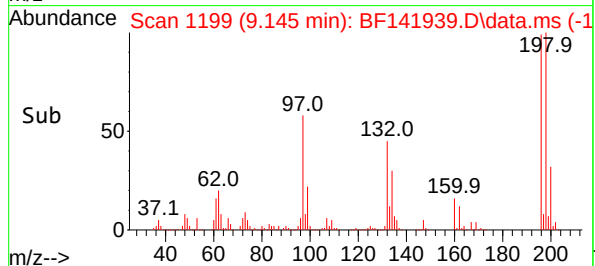
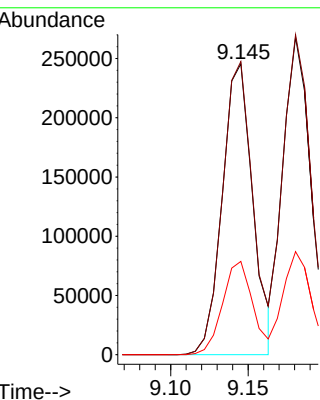
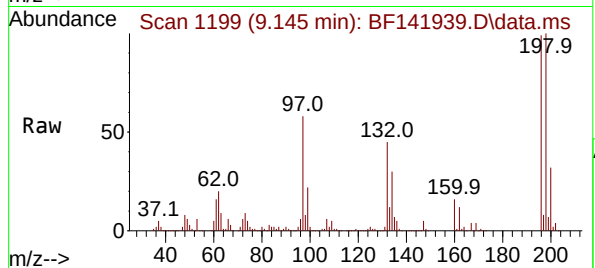
Tgt Ion:196 Resp: 335717

Ion Ratio Lower Upper

196 100

198 100.8 80.6 121.0

200 32.1 25.8 38.6



#44

2,4,5-Trichlorophenol

Concen: 39.009 ng

RT: 9.181 min Scan# 1205

Delta R.T. -0.006 min

Lab File: BF141939.D

Acq: 13 Mar 2025 12:17

Tgt Ion:196 Resp: 335620

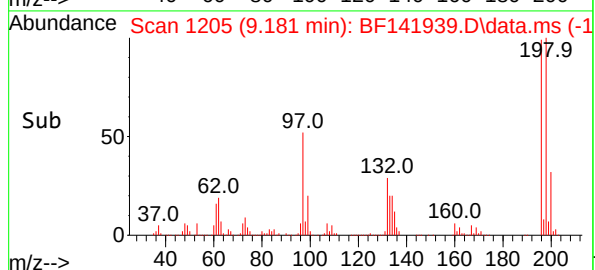
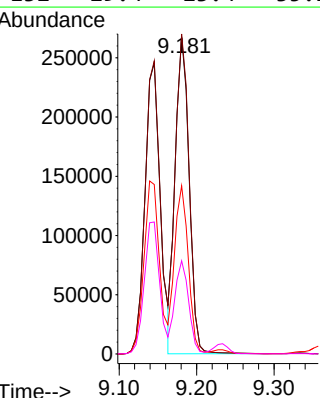
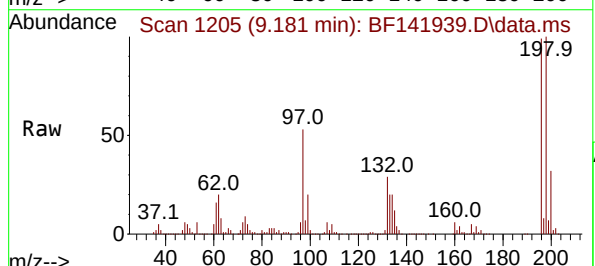
Ion Ratio Lower Upper

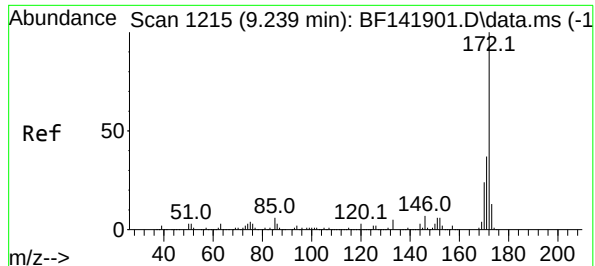
196 100

198 100.8 80.7 121.1

97 53.0 42.1 63.1

132 29.4 23.4 35.2





#45

2-Fluorobiphenyl

Concen: 76.930 ng

RT: 9.233 min Scan# 1214

Delta R.T. -0.006 min

Lab File: BF141939.D

Acq: 13 Mar 2025 12:17

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

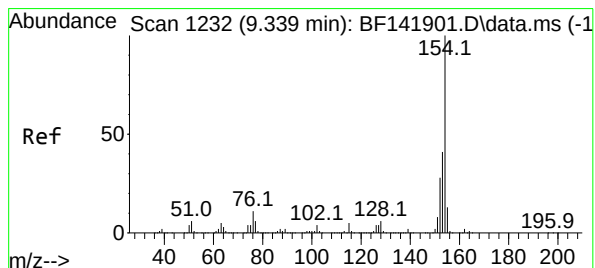
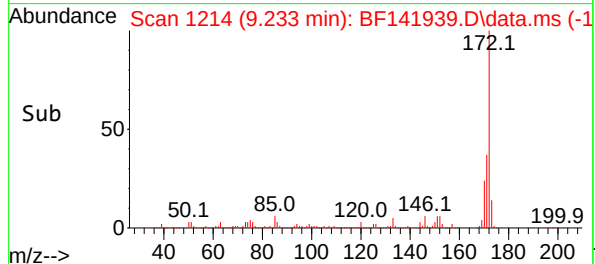
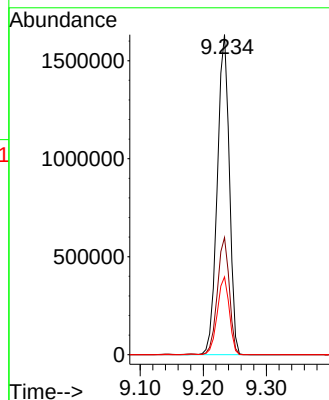
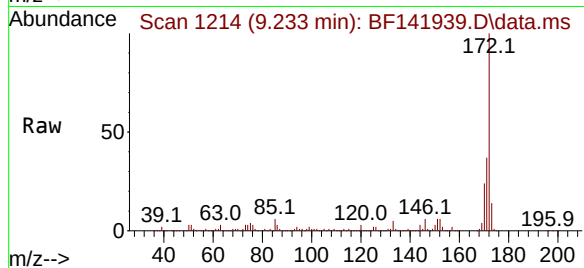
Tgt Ion:172 Resp: 2159613

Ion Ratio Lower Upper

172 100

171 36.6 29.3 43.9

170 24.3 19.4 29.0



#46

1,1'-Biphenyl

Concen: 38.721 ng

RT: 9.333 min Scan# 1231

Delta R.T. -0.006 min

Lab File: BF141939.D

Acq: 13 Mar 2025 12:17

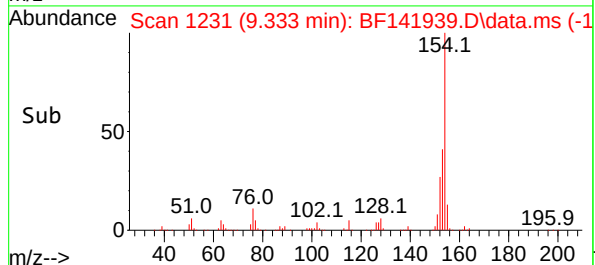
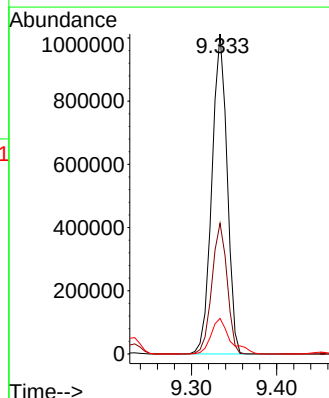
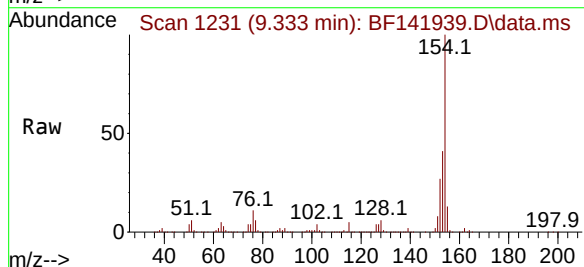
Tgt Ion:154 Resp: 1256074

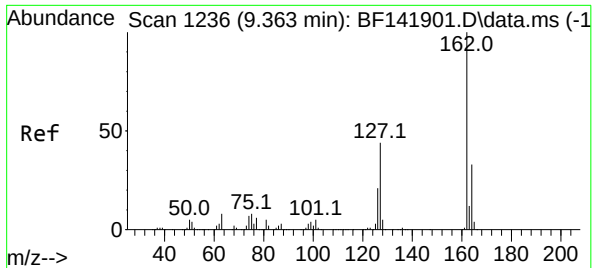
Ion Ratio Lower Upper

154 100

153 40.9 21.1 61.1

76 11.1 0.0 31.3





#47

2-Chloronaphthalene

Concen: 39.130 ng

RT: 9.357 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF141939.D

Acq: 13 Mar 2025 12:17

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

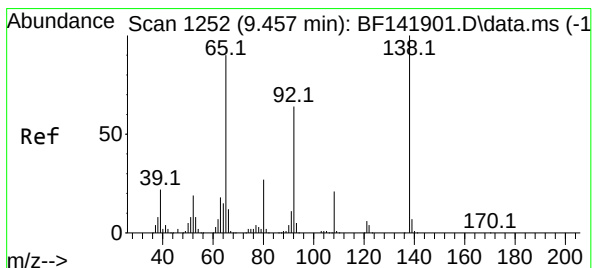
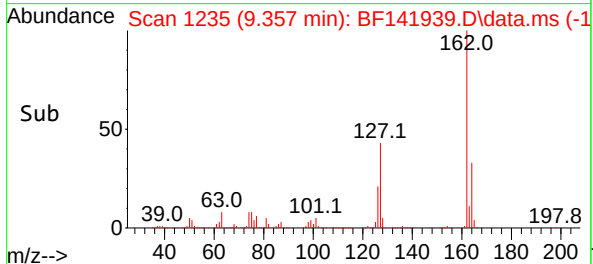
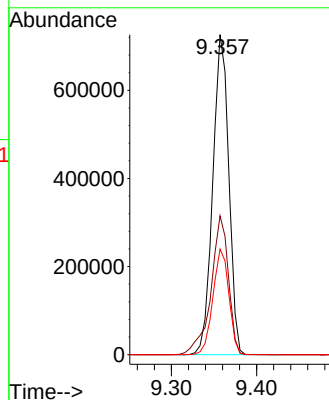
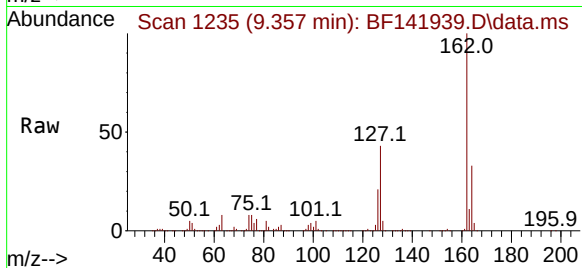
Tgt Ion:162 Resp: 946087

Ion Ratio Lower Upper

162 100

127 43.4 35.5 53.3

164 33.0 26.6 40.0



#48

2-Nitroaniline

Concen: 39.074 ng

RT: 9.451 min Scan# 1251

Delta R.T. -0.006 min

Lab File: BF141939.D

Acq: 13 Mar 2025 12:17

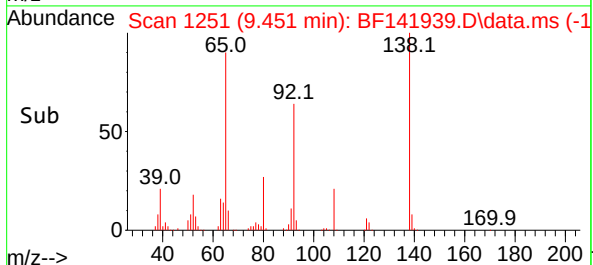
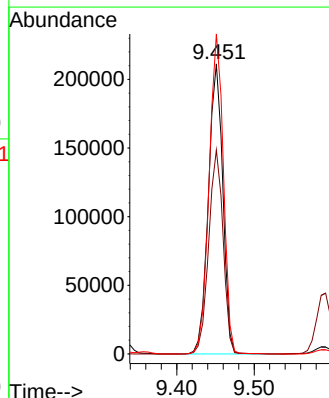
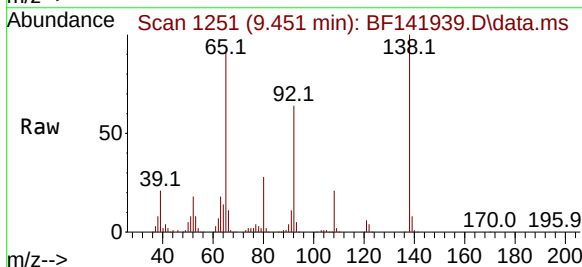
Tgt Ion: 65 Resp: 273545

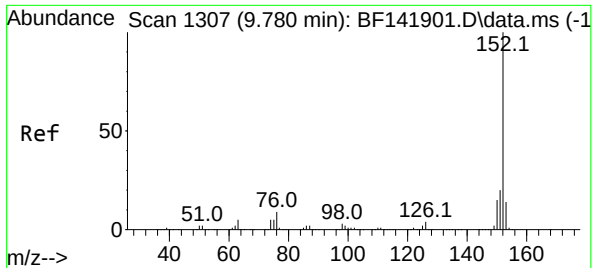
Ion Ratio Lower Upper

65 100

92 70.3 56.6 84.8

138 110.3 88.6 133.0





#49

Acenaphthylene

Concen: 39.005 ng

RT: 9.775 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF141939.D

Acq: 13 Mar 2025 12:17

Instrument :

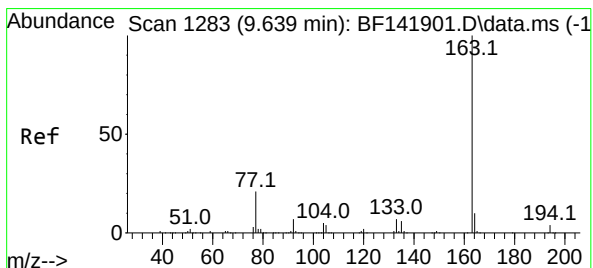
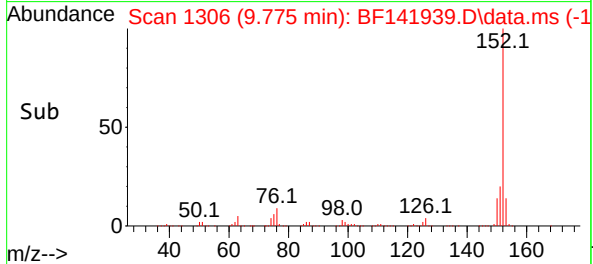
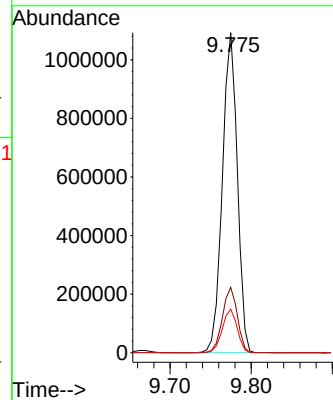
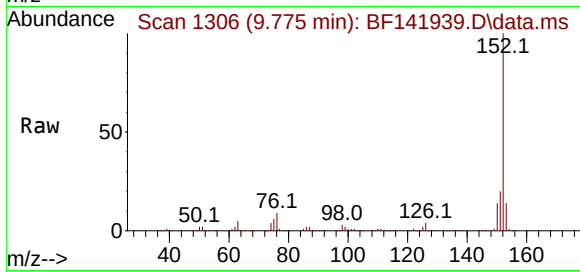
BNA_F

ClientSampleId :

SSTDCCC040

Tgt Ion:152 Resp: 1399495

Ion	Ratio	Lower	Upper
152	100		
151	20.4	16.3	24.5
153	13.6	11.1	16.7



#50

Dimethylphthalate

Concen: 38.106 ng

RT: 9.633 min Scan# 1282

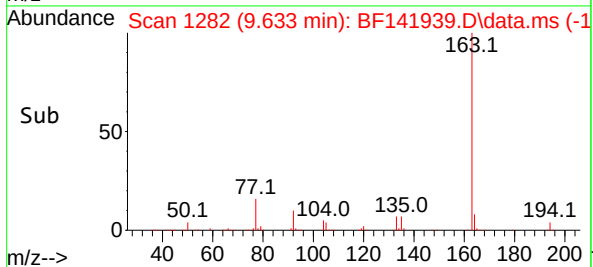
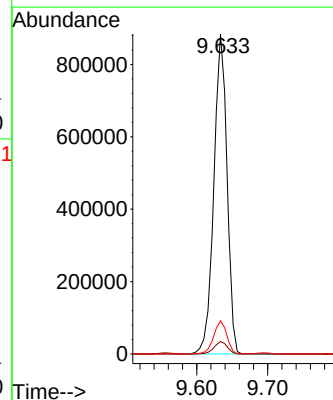
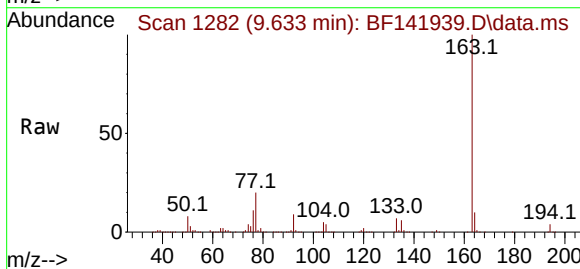
Delta R.T. -0.006 min

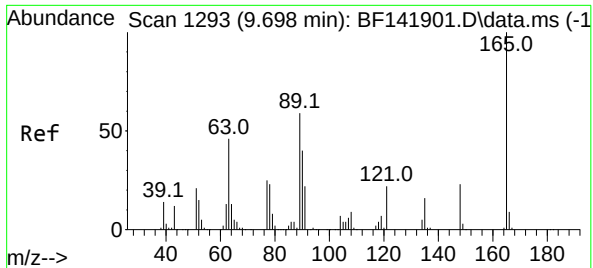
Lab File: BF141939.D

Acq: 13 Mar 2025 12:17

Tgt Ion:163 Resp: 1139250

Ion	Ratio	Lower	Upper
163	100		
194	3.9	3.1	4.7
164	10.4	8.2	12.4





#51

2,6-Dinitrotoluene

Concen: 39.096 ng

RT: 9.692 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF141939.D

Acq: 13 Mar 2025 12:17

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

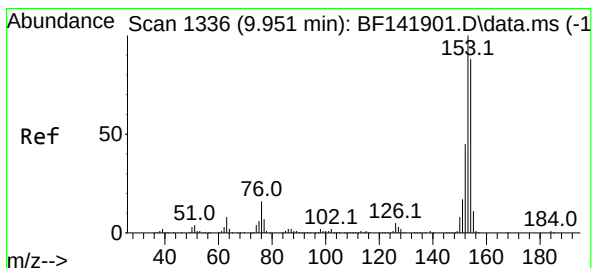
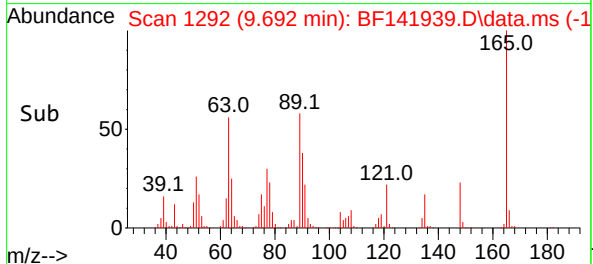
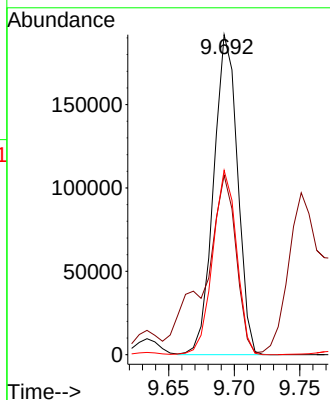
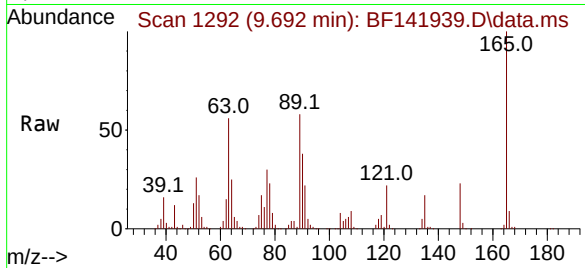
Tgt Ion:165 Resp: 243366

Ion Ratio Lower Upper

165 100

63 56.0 47.0 70.4

89 57.6 47.4 71.2



#52

Acenaphthene

Concen: 39.326 ng

RT: 9.945 min Scan# 1335

Delta R.T. -0.006 min

Lab File: BF141939.D

Acq: 13 Mar 2025 12:17

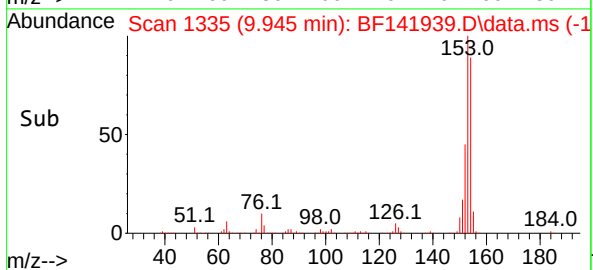
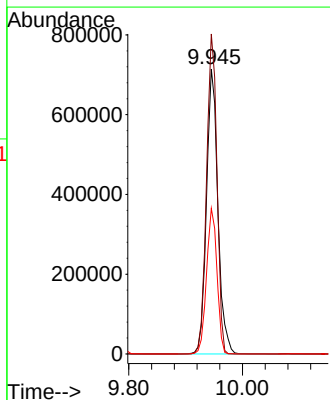
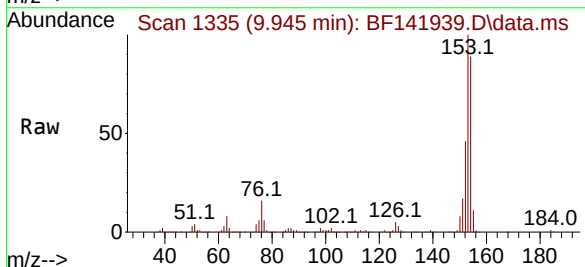
Tgt Ion:154 Resp: 991587

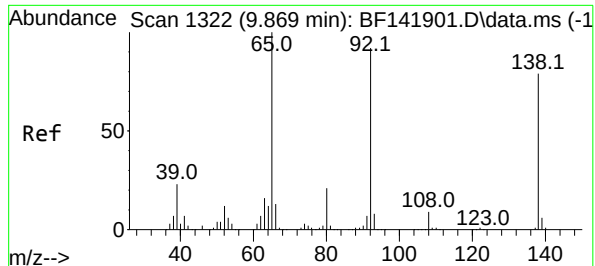
Ion Ratio Lower Upper

154 100

153 112.3 90.7 136.1

152 51.1 41.1 61.7





#53

3-Nitroaniline

Concen: 38.530 ng

RT: 9.863 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF141939.D

Acq: 13 Mar 2025 12:17

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

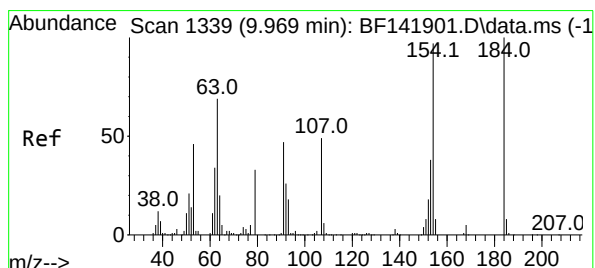
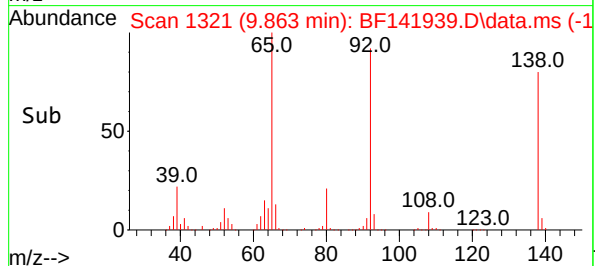
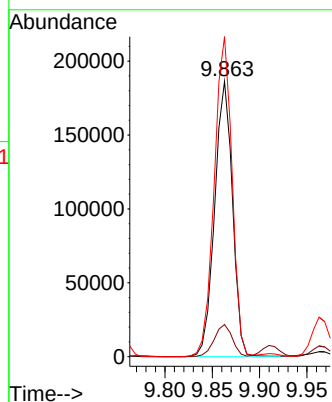
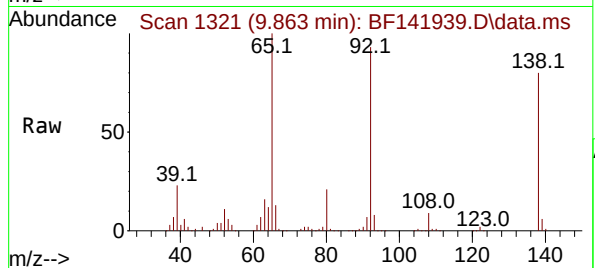
Tgt Ion:138 Resp: 243288

Ion Ratio Lower Upper

138 100

108 11.7 9.3 13.9

92 116.2 93.5 140.3



#54

2,4-Dinitrophenol

Concen: 41.009 ng

RT: 9.963 min Scan# 1338

Delta R.T. -0.006 min

Lab File: BF141939.D

Acq: 13 Mar 2025 12:17

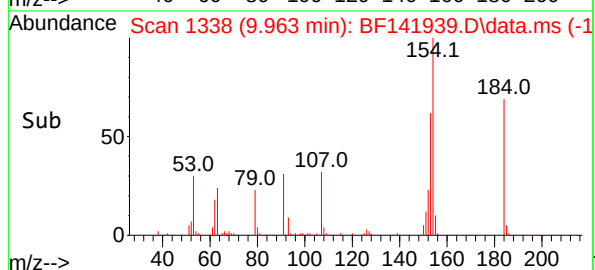
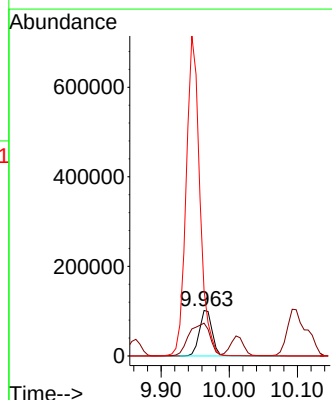
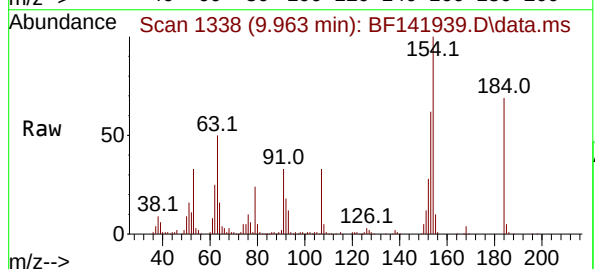
Tgt Ion:184 Resp: 132695

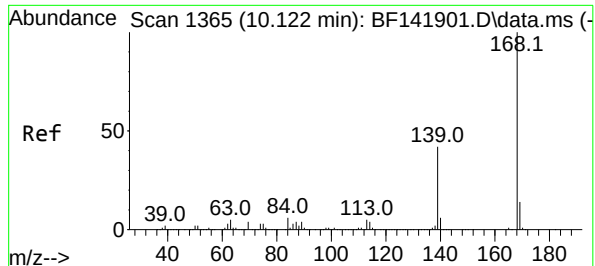
Ion Ratio Lower Upper

184 100

63 72.2 60.2 90.4

154 144.1 132.9 199.3





#55

Dibenzenofuran

Concen: 38.554 ng

RT: 10.116 min Scan# 1364

Delta R.T. -0.006 min

Lab File: BF141939.D

Acq: 13 Mar 2025 12:17

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

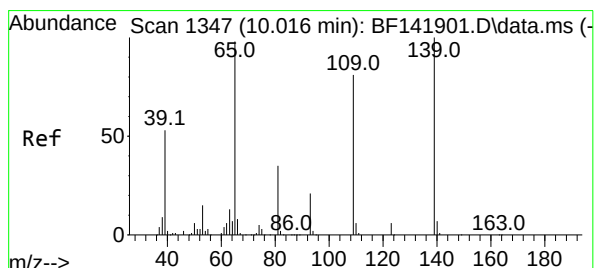
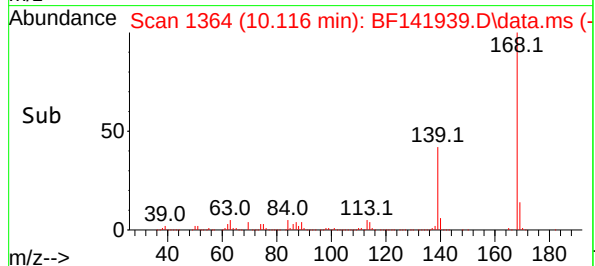
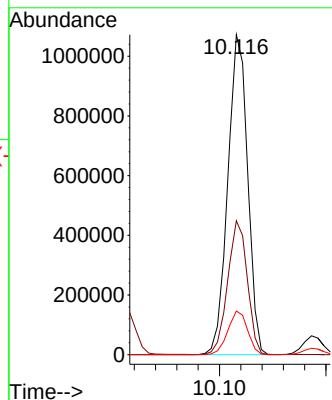
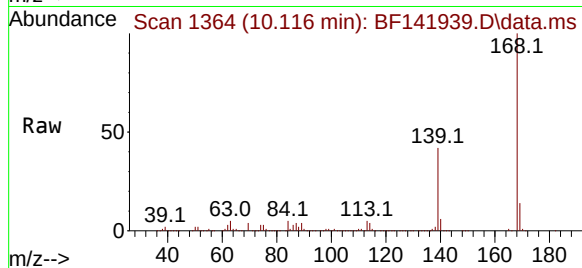
Tgt Ion:168 Resp: 1389049

Ion Ratio Lower Upper

168 100

139 41.9 33.9 50.9

169 13.7 11.0 16.4



#56

4-Nitrophenol

Concen: 41.301 ng

RT: 10.010 min Scan# 1346

Delta R.T. -0.006 min

Lab File: BF141939.D

Acq: 13 Mar 2025 12:17

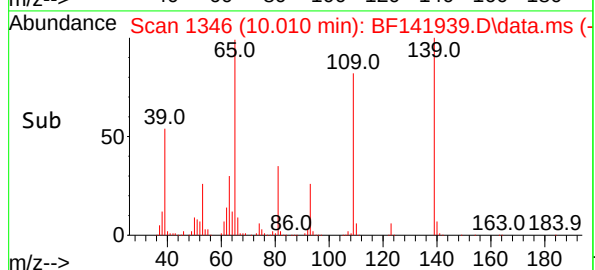
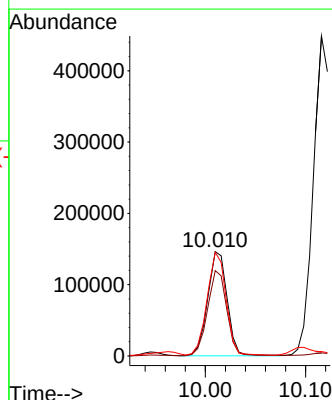
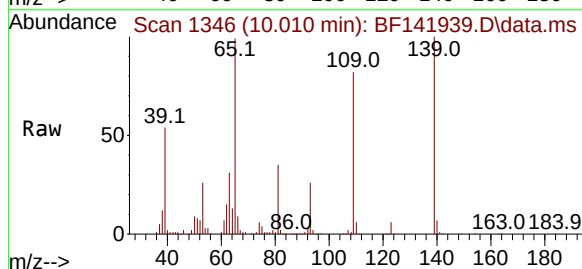
Tgt Ion:139 Resp: 196664

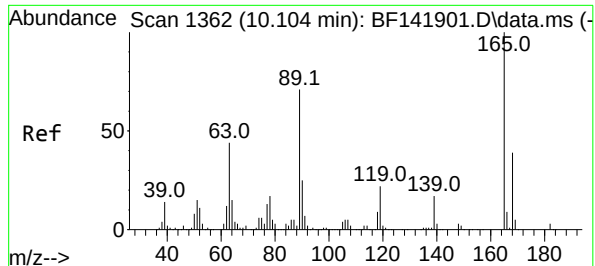
Ion Ratio Lower Upper

139 100

109 81.7 61.6 101.6

65 99.4 79.4 119.4

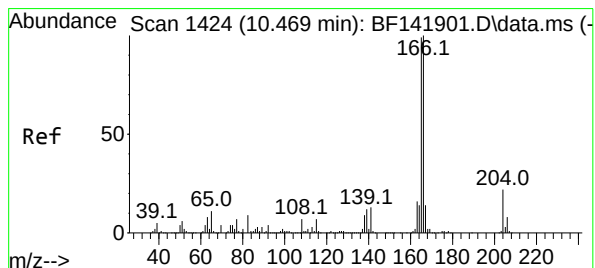
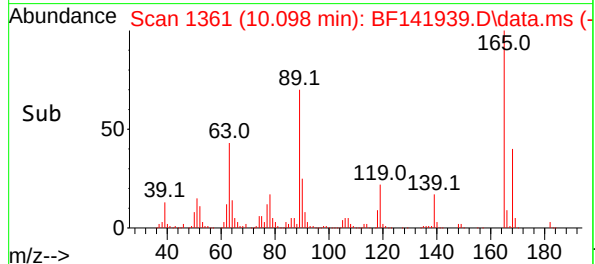
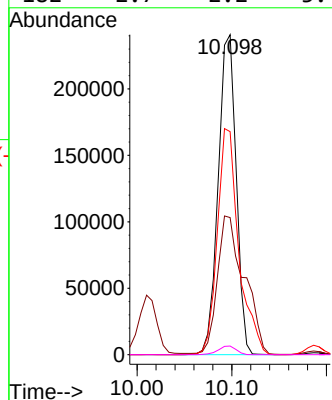
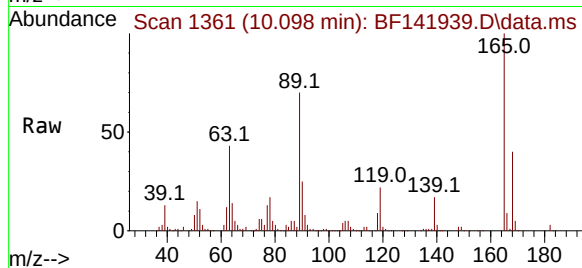




#57
2,4-Dinitrotoluene
Concen: 39.193 ng
RT: 10.098 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF141939.D
Acq: 13 Mar 2025 12:17

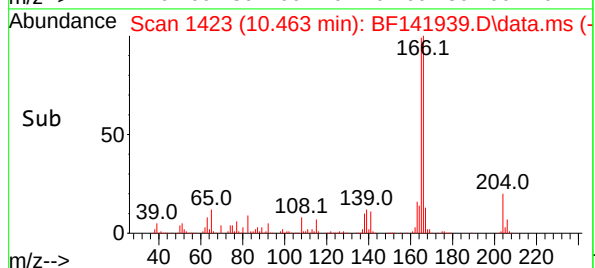
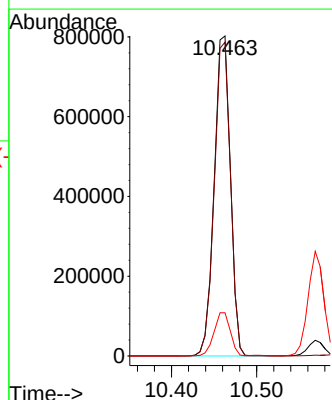
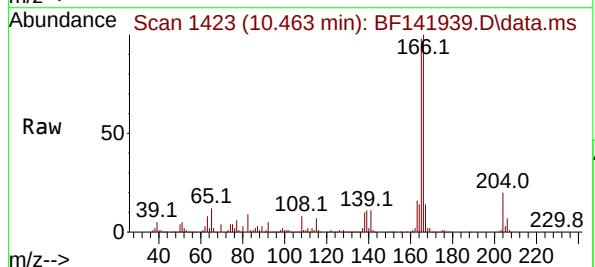
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

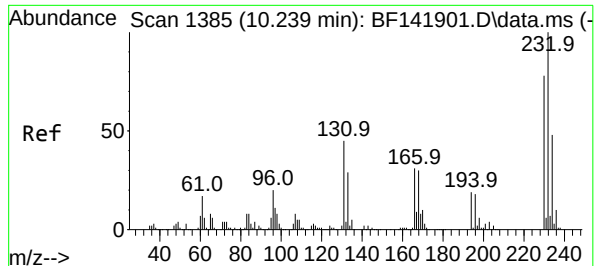
Tgt Ion:165 Resp: 318648
Ion Ratio Lower Upper
165 100
63 42.8 35.4 53.2
89 69.7 56.6 84.8
182 2.7 2.2 3.4



#58
Fluorene
Concen: 38.195 ng
RT: 10.463 min Scan# 1423
Delta R.T. -0.006 min
Lab File: BF141939.D
Acq: 13 Mar 2025 12:17

Tgt Ion:166 Resp: 1061221
Ion Ratio Lower Upper
166 100
165 98.0 79.0 118.4
167 13.5 11.0 16.4

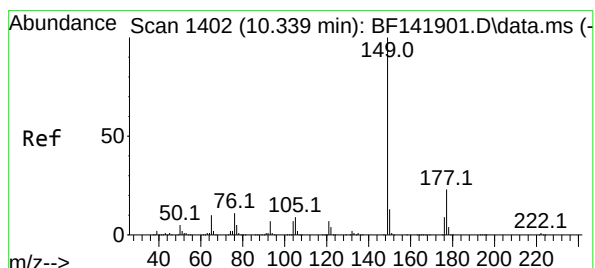
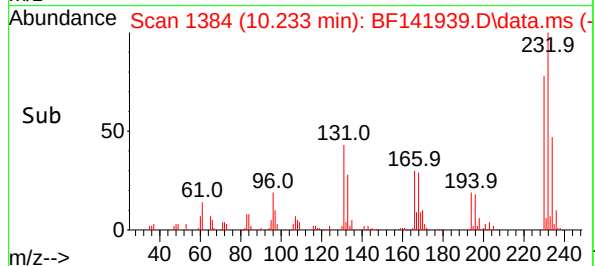
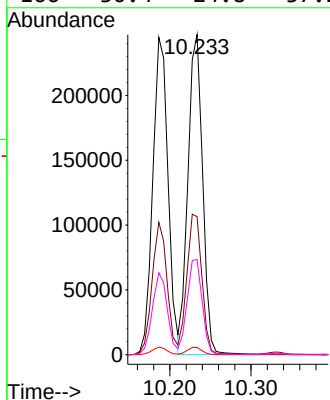
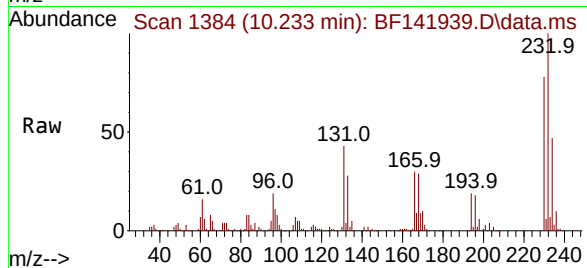




#59
2,3,4,6-Tetrachlorophenol
Concen: 39.708 ng
RT: 10.233 min Scan# 1384
Delta R.T. -0.006 min
Lab File: BF141939.D
Acq: 13 Mar 2025 12:17

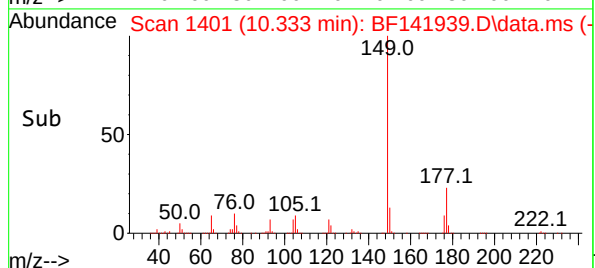
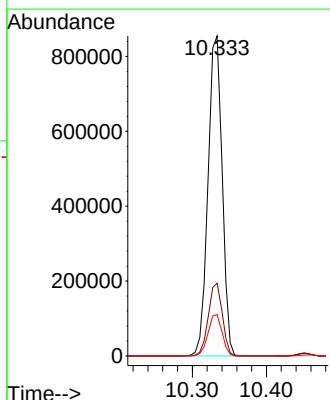
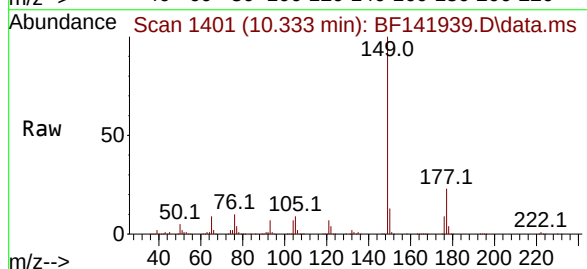
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

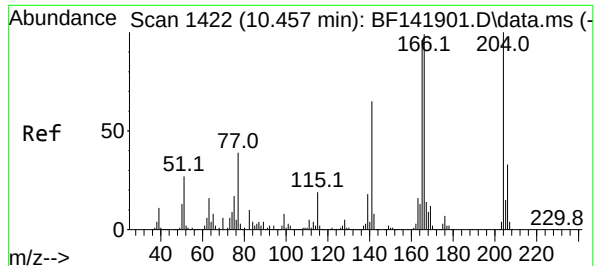
Tgt Ion:232 Resp: 310873
Ion Ratio Lower Upper
232 100
131 44.6 37.3 55.9
130 2.3 1.9 2.9
166 30.4 24.8 37.2



#60
Diethylphthalate
Concen: 38.044 ng
RT: 10.333 min Scan# 1401
Delta R.T. -0.006 min
Lab File: BF141939.D
Acq: 13 Mar 2025 12:17

Tgt Ion:149 Resp: 1134119
Ion Ratio Lower Upper
149 100
177 22.7 18.0 27.0
150 12.9 10.2 15.4

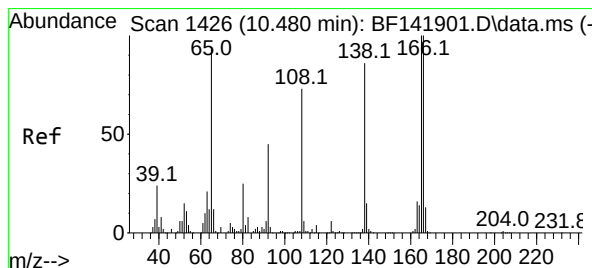
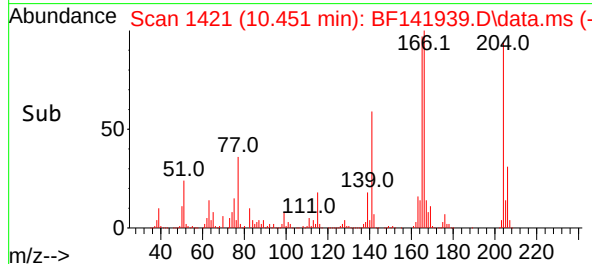
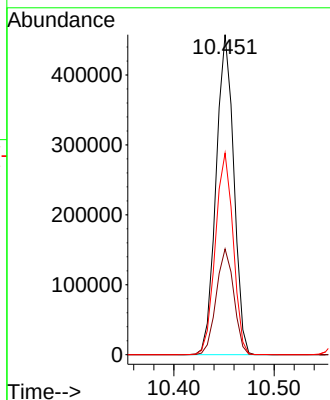
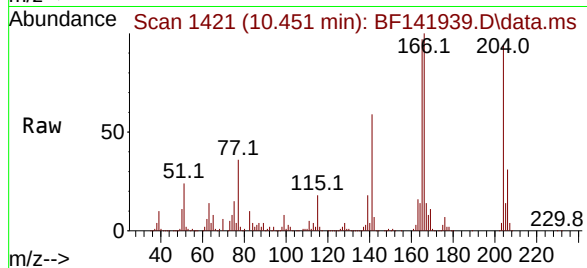




#61
4-Chlorophenyl-phenylether
Concen: 38.646 ng
RT: 10.451 min Scan# 1421
Delta R.T. -0.006 min
Lab File: BF141939.D
Acq: 13 Mar 2025 12:17

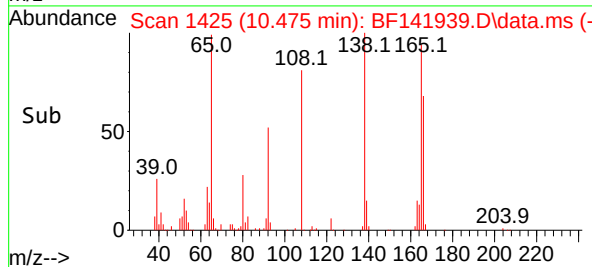
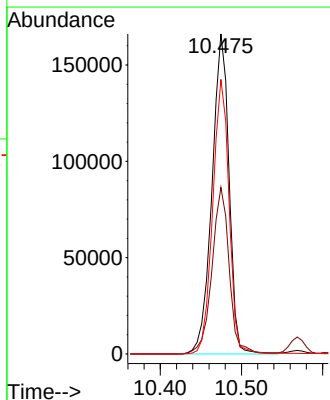
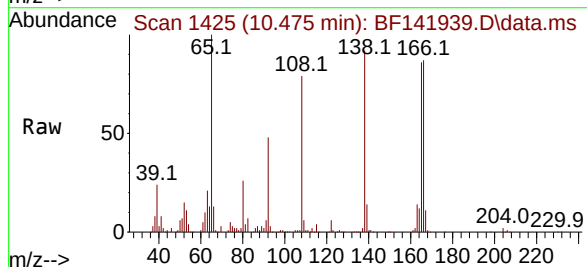
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

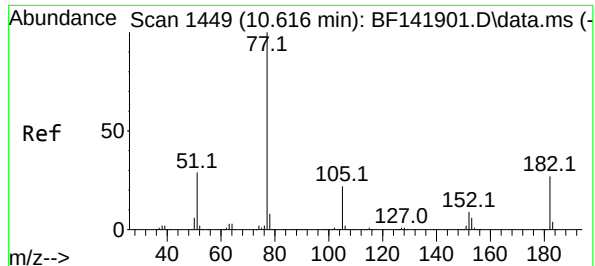
Tgt Ion:204 Resp: 559798
Ion Ratio Lower Upper
204 100
206 33.0 26.8 40.2
141 63.0 52.4 78.6



#62
4-Nitroaniline
Concen: 39.528 ng
RT: 10.475 min Scan# 1425
Delta R.T. -0.006 min
Lab File: BF141939.D
Acq: 13 Mar 2025 12:17

Tgt Ion:138 Resp: 242993
Ion Ratio Lower Upper
138 100
92 52.1 32.6 72.6
108 85.8 65.0 105.0

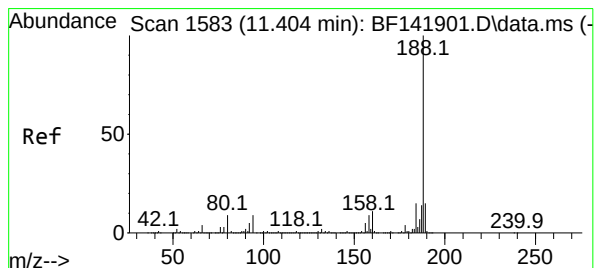
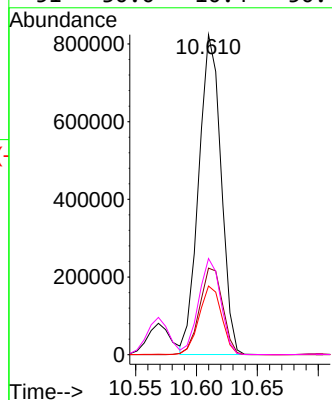
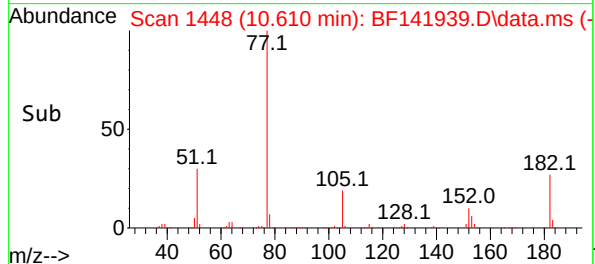
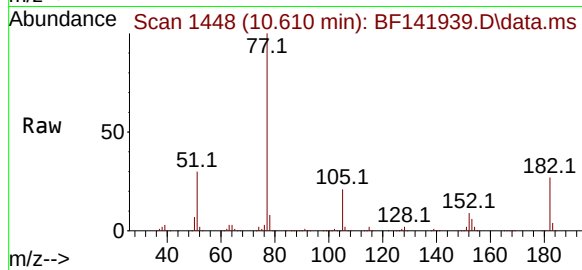




#63
Azobenzene
Concen: 37.888 ng
RT: 10.610 min Scan# 1449
Delta R.T. -0.006 min
Lab File: BF141939.D
Acq: 13 Mar 2025 12:17

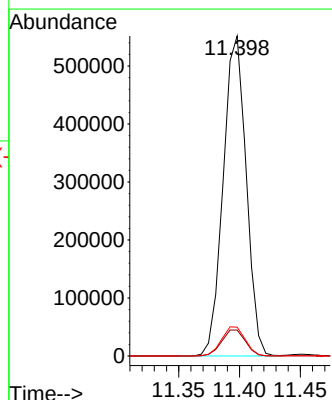
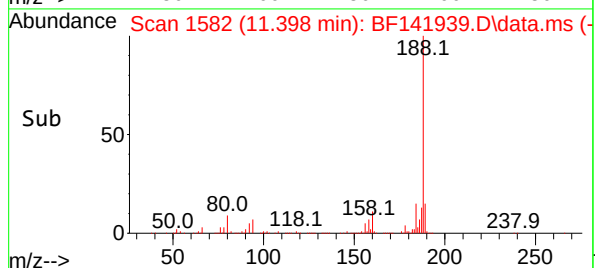
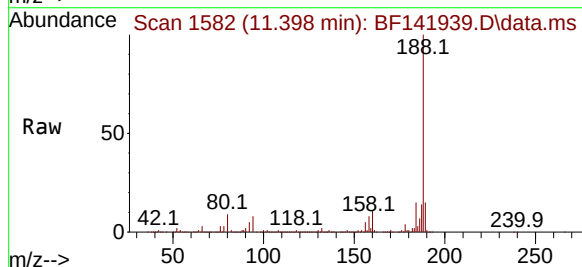
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

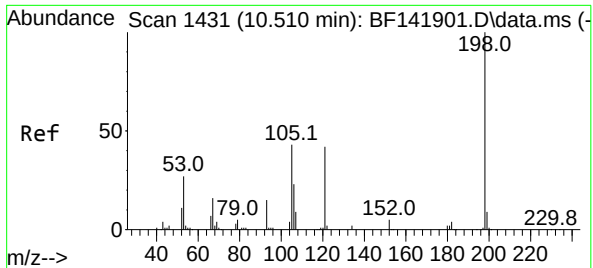
Tgt Ion: 77 Resp: 1050098
Ion Ratio Lower Upper
77 100
182 27.1 6.6 46.6
105 21.4 1.3 41.3
51 30.0 10.4 50.4



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.398 min Scan# 1582
Delta R.T. -0.006 min
Lab File: BF141939.D
Acq: 13 Mar 2025 12:17

Tgt Ion: 188 Resp: 726402
Ion Ratio Lower Upper
188 100
94 8.1 6.8 10.2
80 9.0 7.6 11.4

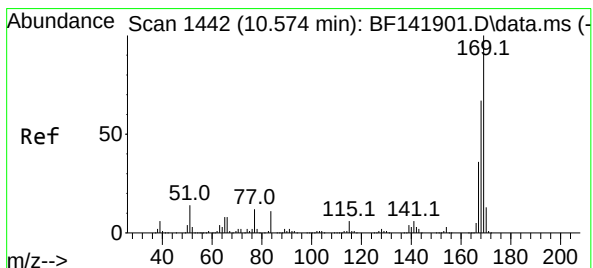
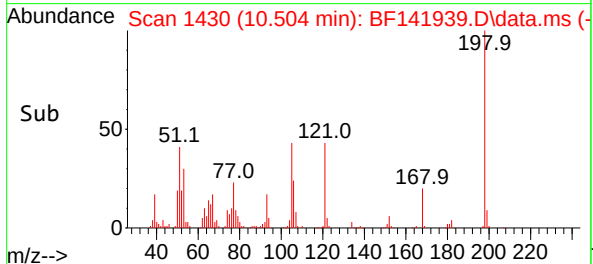
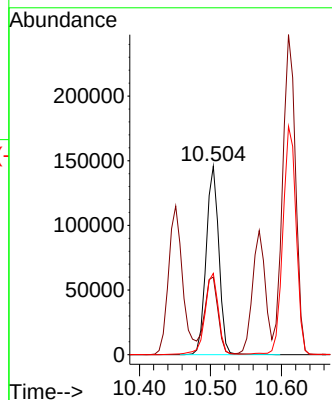
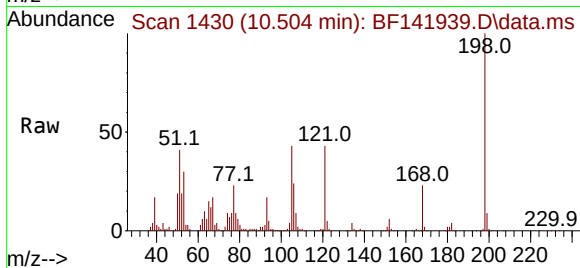




#65
4,6-Dinitro-2-methylphenol
Concen: 41.862 ng
RT: 10.504 min Scan# 1430
Delta R.T. -0.006 min
Lab File: BF141939.D
Acq: 13 Mar 2025 12:17

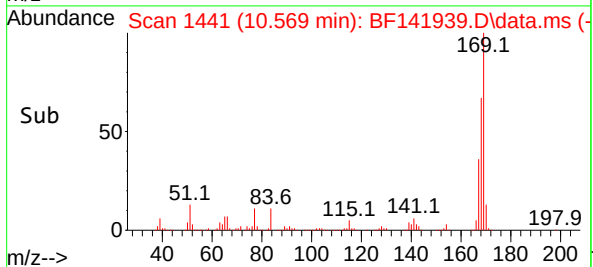
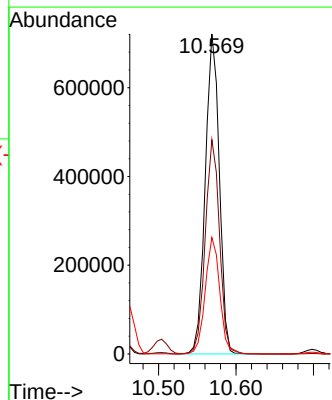
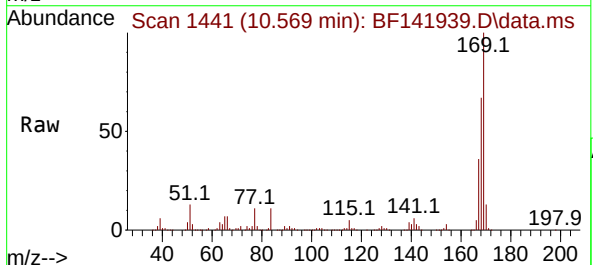
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

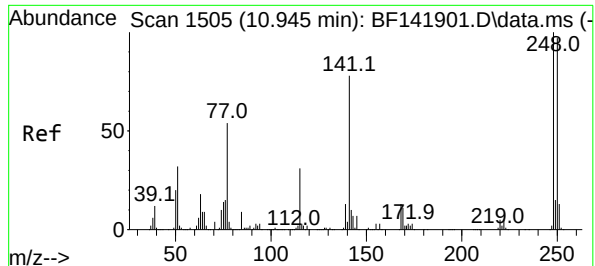
Tgt Ion:198 Resp: 181277
Ion Ratio Lower Upper
198 100
51 41.2 22.3 62.3
105 43.1 23.0 63.0



#66
n-Nitrosodiphenylamine
Concen: 38.576 ng
RT: 10.569 min Scan# 1441
Delta R.T. -0.006 min
Lab File: BF141939.D
Acq: 13 Mar 2025 12:17

Tgt Ion:169 Resp: 906795
Ion Ratio Lower Upper
169 100
168 66.9 53.7 80.5
167 36.4 29.2 43.8

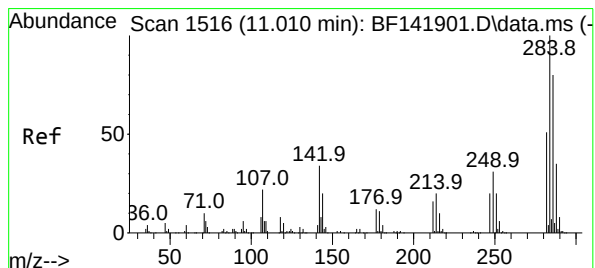
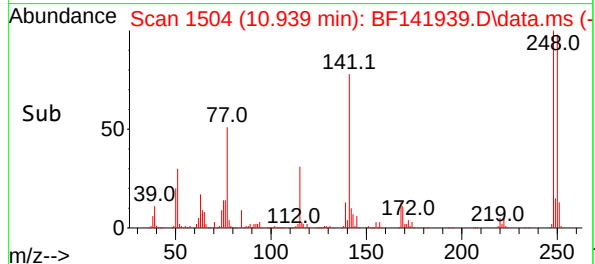
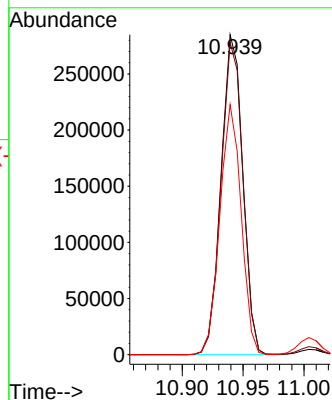
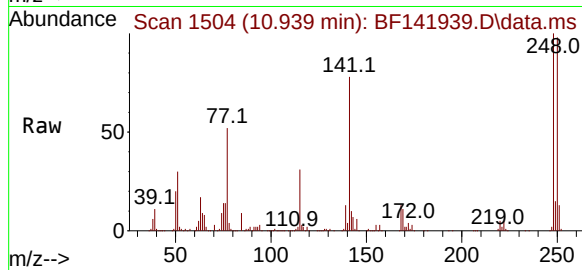




#67
4-Bromophenyl-phenylether
Concen: 38.946 ng
RT: 10.939 min Scan# 1504
Delta R.T. -0.006 min
Lab File: BF141939.D
Acq: 13 Mar 2025 12:17

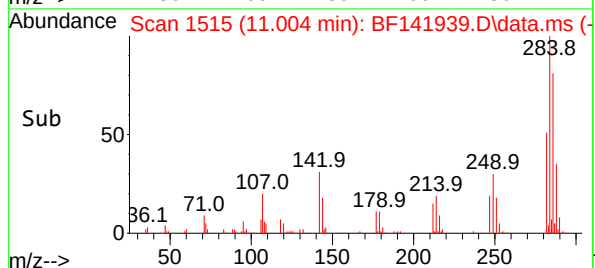
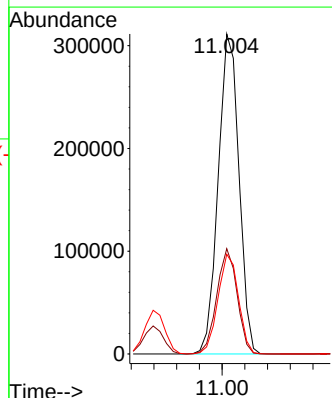
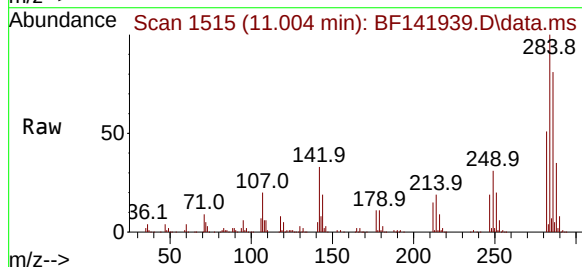
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

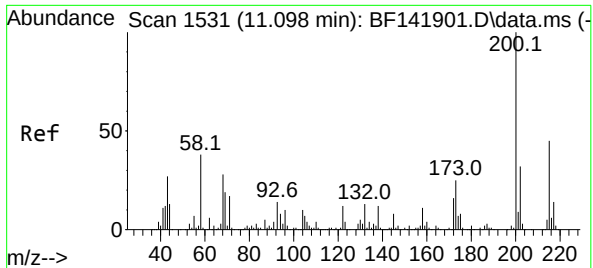
Tgt Ion:248 Resp: 355291
Ion Ratio Lower Upper
248 100
250 97.6 77.8 116.8
141 78.1 62.6 93.8



#68
Hexachlorobenzene
Concen: 39.530 ng
RT: 11.004 min Scan# 1515
Delta R.T. -0.006 min
Lab File: BF141939.D
Acq: 13 Mar 2025 12:17

Tgt Ion:284 Resp: 395519
Ion Ratio Lower Upper
284 100
142 32.9 27.0 40.6
249 31.1 25.2 37.8





#69

Atrazine

Concen: 33.164 ng

RT: 11.092 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF141939.D

Acq: 13 Mar 2025 12:17

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

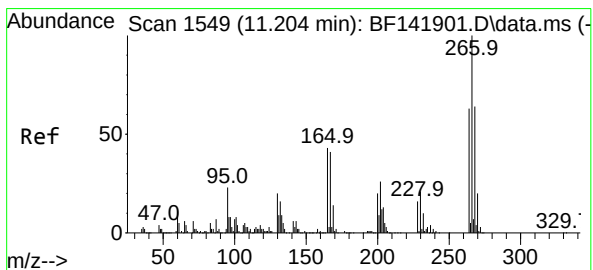
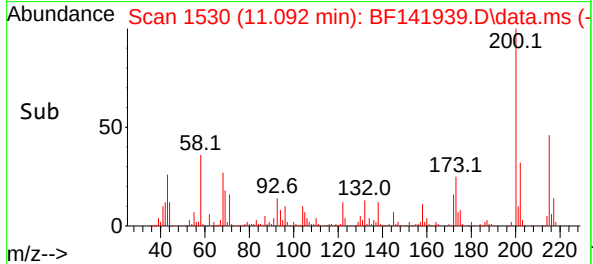
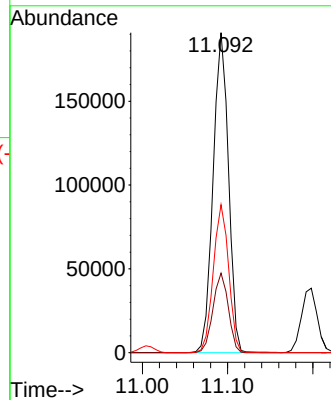
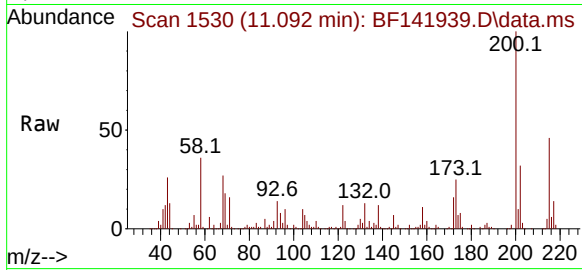
Tgt Ion:200 Resp: 238990

Ion Ratio Lower Upper

200 100

173 24.9 4.7 44.7

215 46.2 25.4 65.4



#70

Pentachlorophenol

Concen: 42.480 ng

RT: 11.198 min Scan# 1548

Delta R.T. -0.006 min

Lab File: BF141939.D

Acq: 13 Mar 2025 12:17

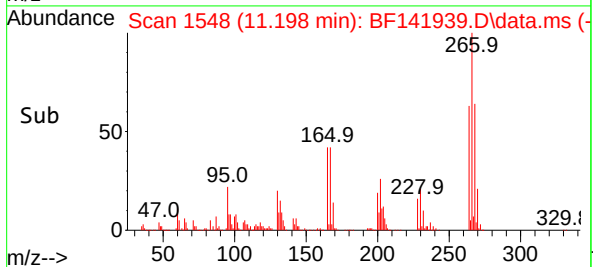
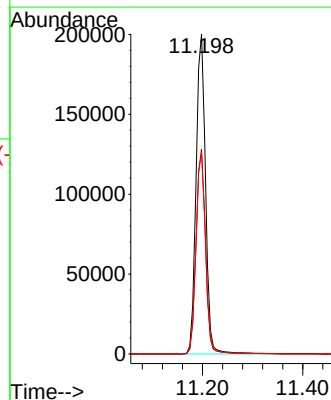
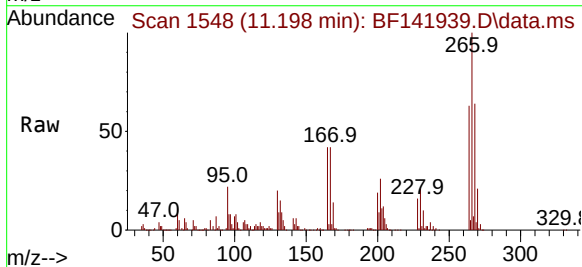
Tgt Ion:266 Resp: 261878

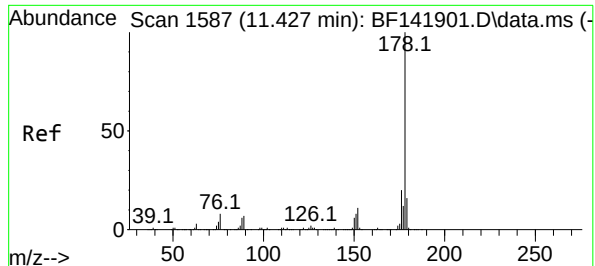
Ion Ratio Lower Upper

266 100

268 64.0 51.0 76.6

264 63.0 50.2 75.2





#71

Phenanthrene

Concen: 38.274 ng

RT: 11.422 min Scan# 1586

Delta R.T. -0.006 min

Lab File: BF141939.D

Acq: 13 Mar 2025 12:17

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

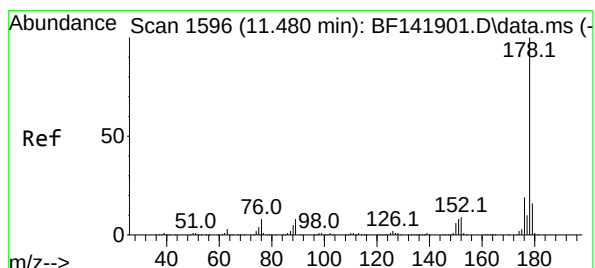
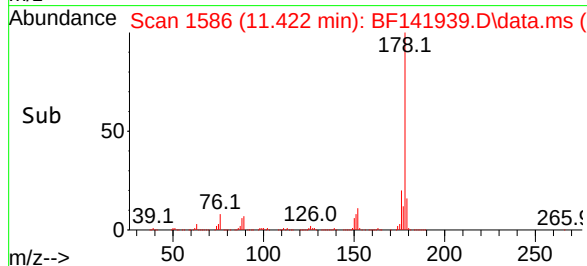
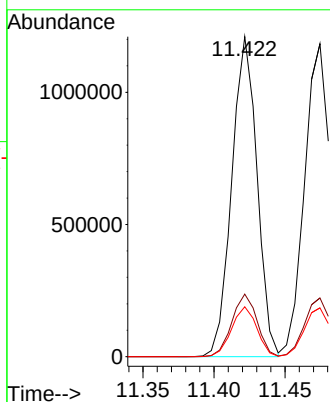
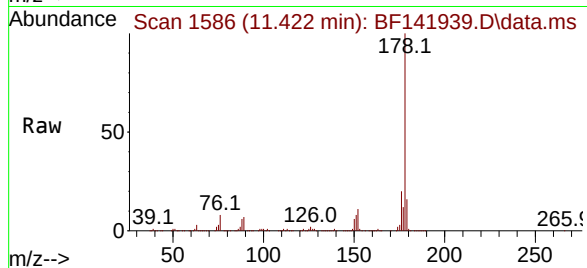
Tgt Ion:178 Resp: 1501673

Ion Ratio Lower Upper

178 100

176 19.5 15.8 23.8

179 15.6 12.6 19.0



#72

Anthracene

Concen: 38.288 ng

RT: 11.475 min Scan# 1595

Delta R.T. -0.006 min

Lab File: BF141939.D

Acq: 13 Mar 2025 12:17

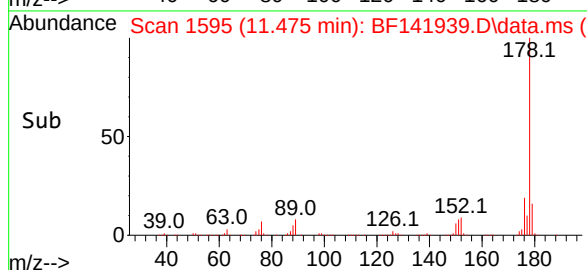
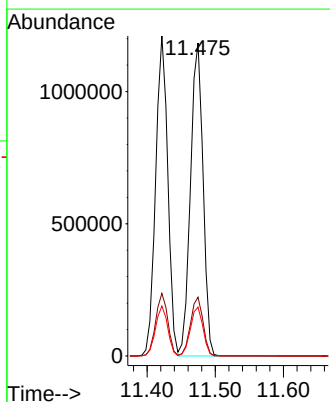
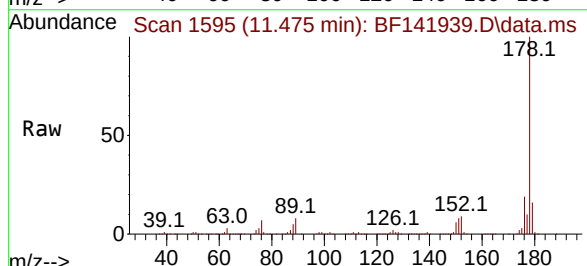
Tgt Ion:178 Resp: 1507154

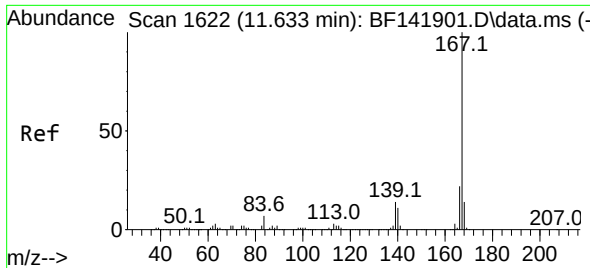
Ion Ratio Lower Upper

178 100

176 18.7 15.1 22.7

179 15.6 12.6 19.0

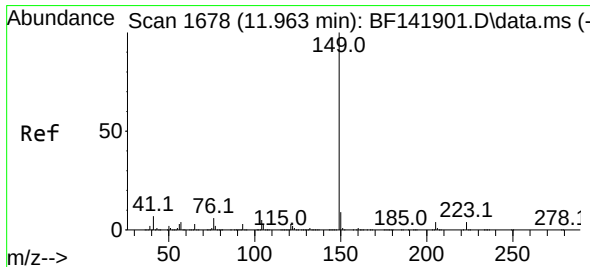
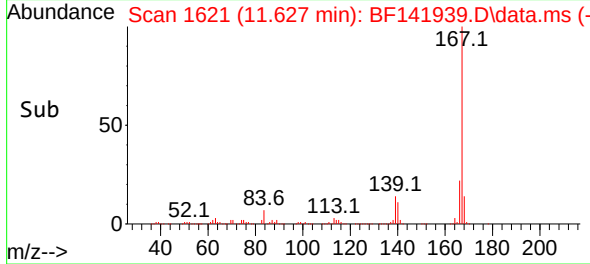
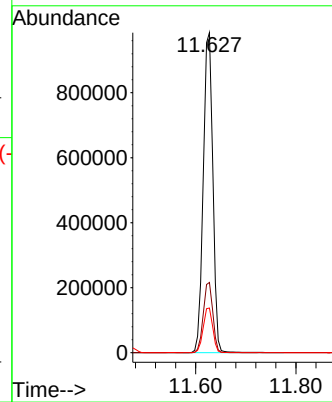
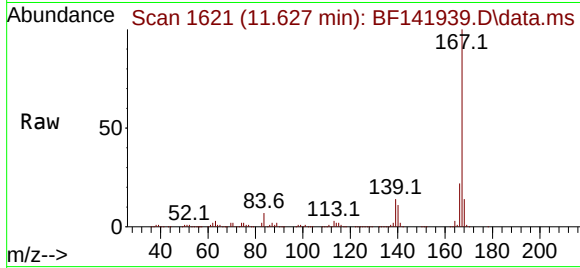




#73
Carbazole
Concen: 38.363 ng
RT: 11.627 min Scan# 1621
Delta R.T. -0.006 min
Lab File: BF141939.D
Acq: 13 Mar 2025 12:17

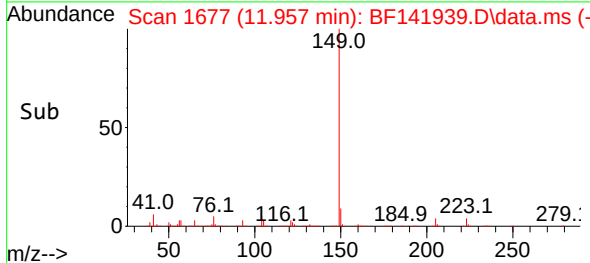
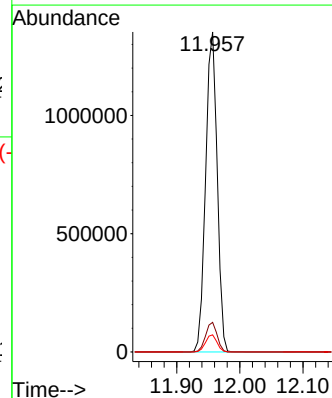
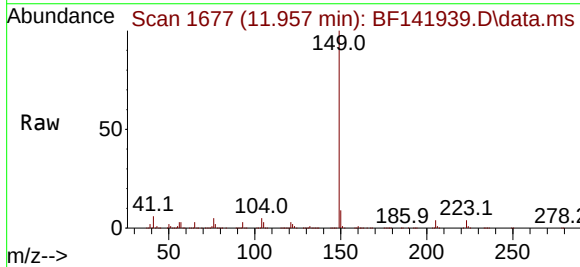
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

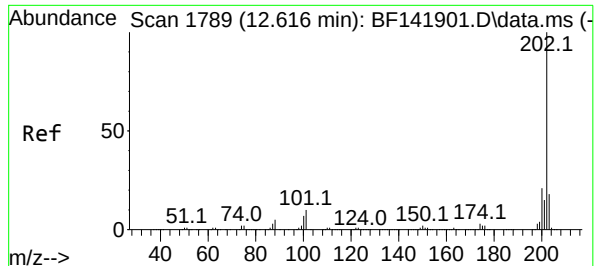
Tgt Ion:167 Resp: 1302310
Ion Ratio Lower Upper
167 100
166 22.0 17.4 26.2
139 14.0 11.0 16.6



#74
Di-n-butylphthalate
Concen: 37.983 ng
RT: 11.957 min Scan# 1677
Delta R.T. -0.006 min
Lab File: BF141939.D
Acq: 13 Mar 2025 12:17

Tgt Ion:149 Resp: 1710894
Ion Ratio Lower Upper
149 100
150 9.2 7.6 11.4
104 5.3 4.4 6.6





#75

Fluoranthene

Concen: 37.478 ng

RT: 12.610 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF141939.D

Acq: 13 Mar 2025 12:17

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

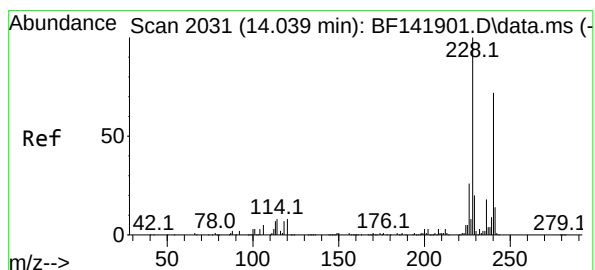
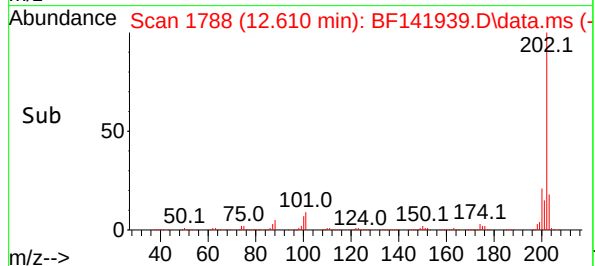
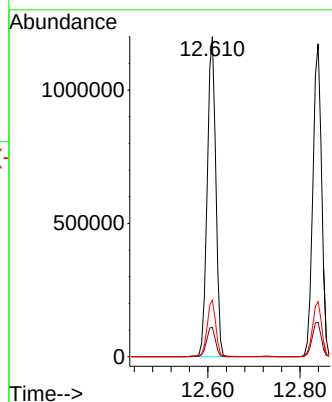
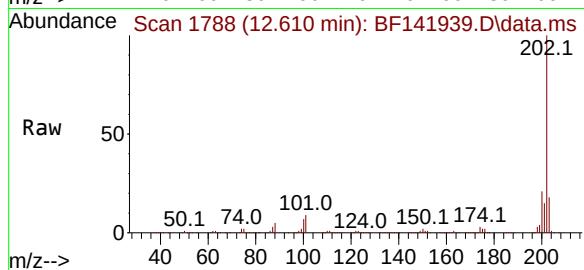
Tgt Ion:202 Resp: 1559838

Ion Ratio Lower Upper

202 100

101 9.1 0.0 29.7

203 17.6 0.0 37.8



#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.033 min Scan# 2030

Delta R.T. -0.006 min

Lab File: BF141939.D

Acq: 13 Mar 2025 12:17

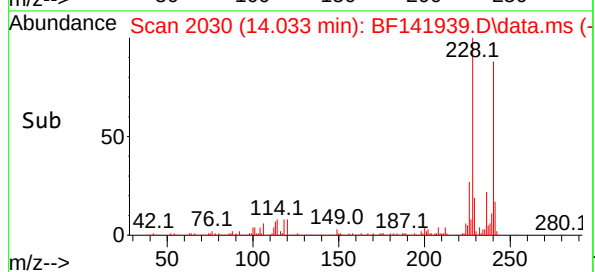
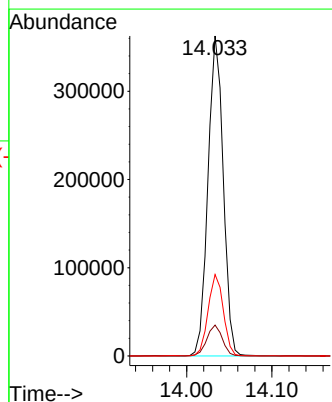
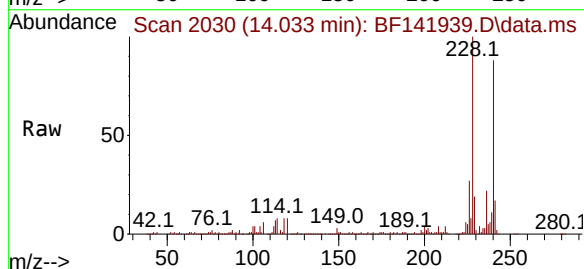
Tgt Ion:240 Resp: 451214

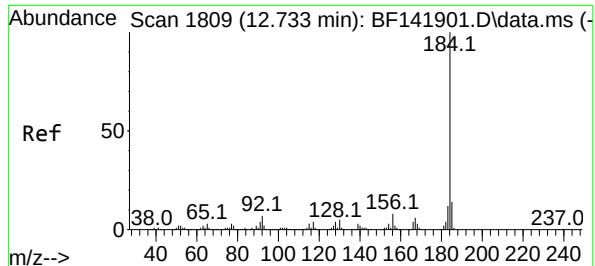
Ion Ratio Lower Upper

240 100

120 9.6 8.4 12.6

236 25.4 20.5 30.7





#77

Benzidine

Concen: 63.130 ng

RT: 12.727 min Scan# 1808

Delta R.T. -0.006 min

Lab File: BF141939.D

Acq: 13 Mar 2025 12:17

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

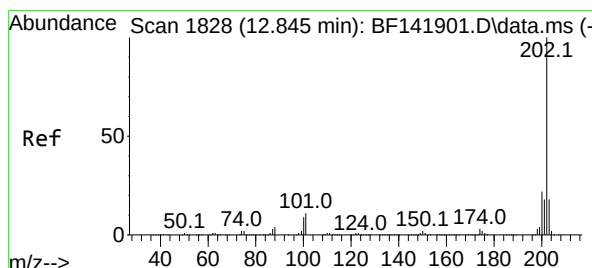
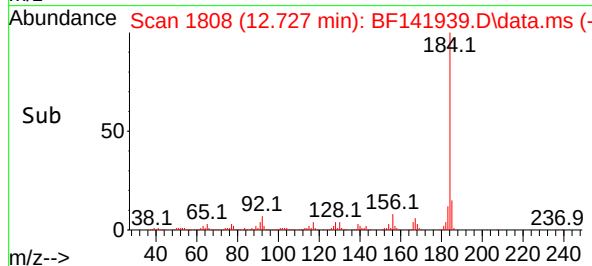
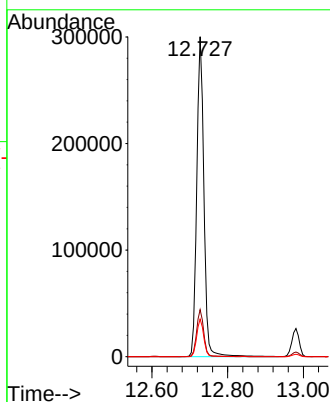
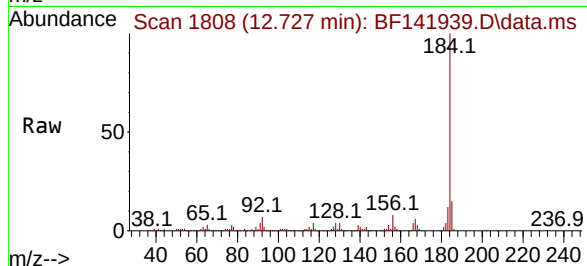
Tgt Ion:184 Resp: 397420

Ion Ratio Lower Upper

184 100

185 14.7 11.5 17.3

183 11.8 9.7 14.5



#78

Pyrene

Concen: 39.368 ng

RT: 12.839 min Scan# 1827

Delta R.T. -0.006 min

Lab File: BF141939.D

Acq: 13 Mar 2025 12:17

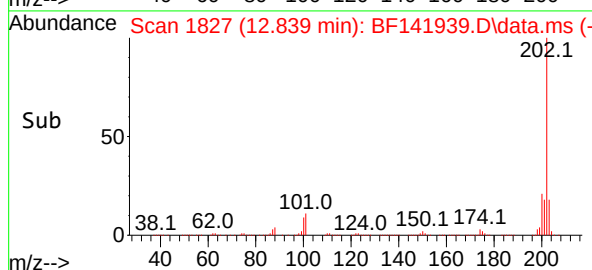
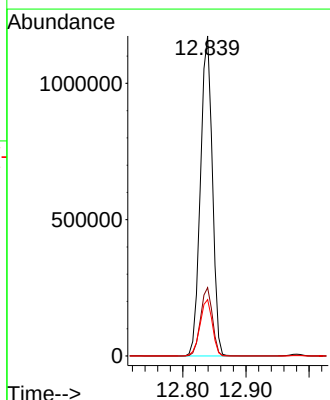
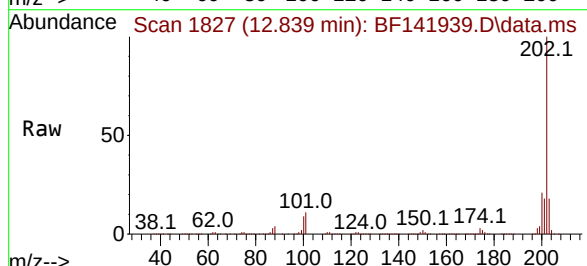
Tgt Ion:202 Resp: 1536542

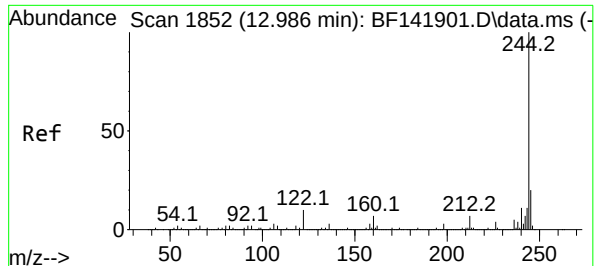
Ion Ratio Lower Upper

202 100

200 21.3 17.3 25.9

203 17.6 14.4 21.6





#79

Terphenyl-d14

Concen: 80.485 ng

RT: 12.980 min Scan# 1851

Delta R.T. -0.006 min

Lab File: BF141939.D

Acq: 13 Mar 2025 12:17

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

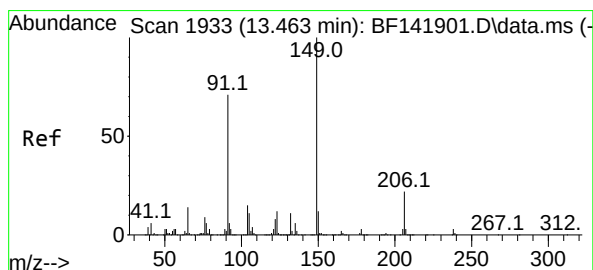
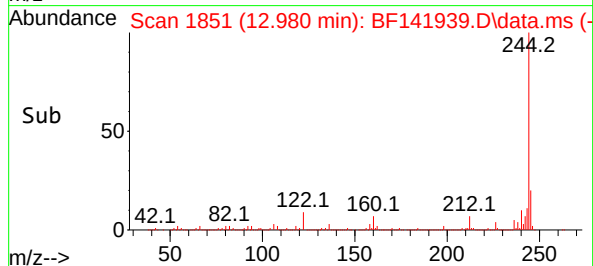
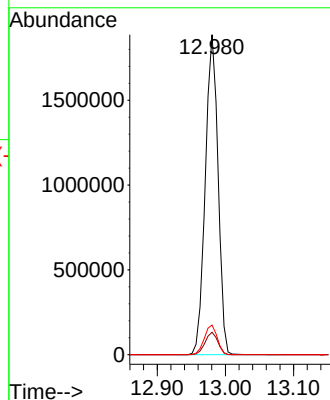
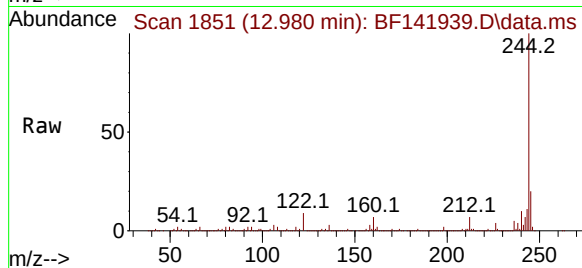
Tgt Ion:244 Resp: 2456339

Ion Ratio Lower Upper

244 100

212 7.0 6.0 9.0

122 9.2 7.7 11.5



#80

Butylbenzylphthalate

Concen: 38.339 ng

RT: 13.451 min Scan# 1931

Delta R.T. -0.012 min

Lab File: BF141939.D

Acq: 13 Mar 2025 12:17

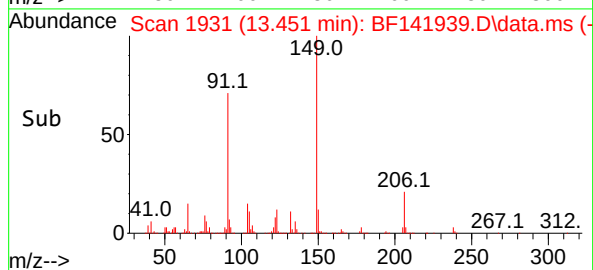
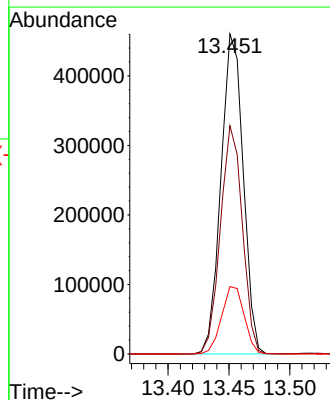
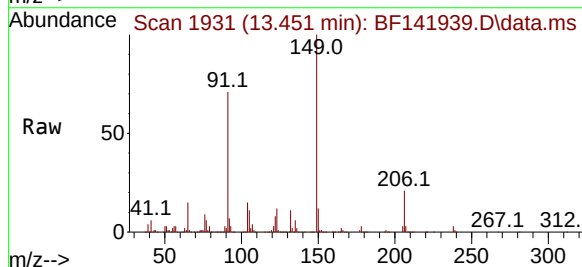
Tgt Ion:149 Resp: 585688

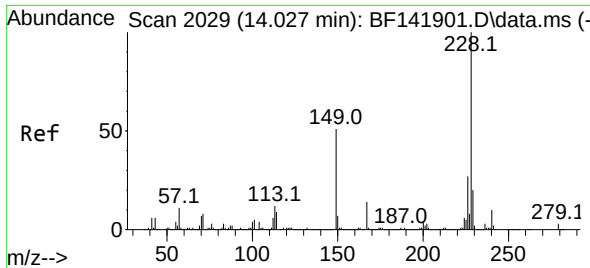
Ion Ratio Lower Upper

149 100

91 71.3 56.5 84.7

206 21.0 17.3 25.9

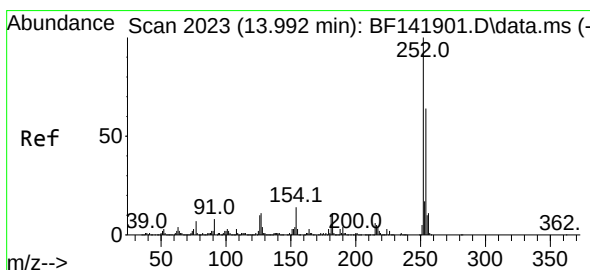
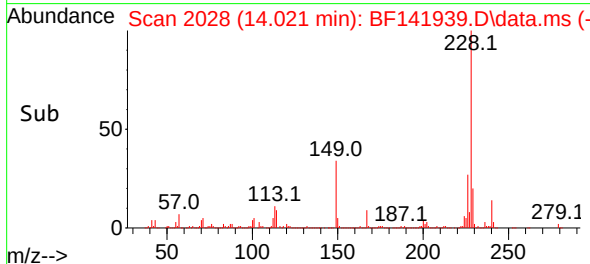
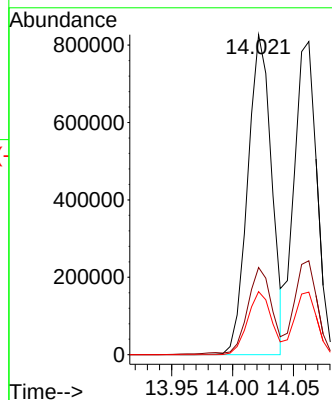
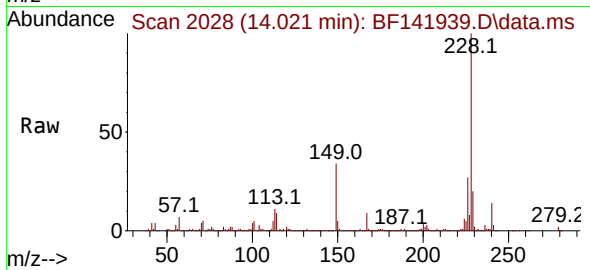




#81
Benzo(a)anthracene
Concen: 38.137 ng
RT: 14.021 min Scan# 2028
Delta R.T. -0.006 min
Lab File: BF141939.D
Acq: 13 Mar 2025 12:17

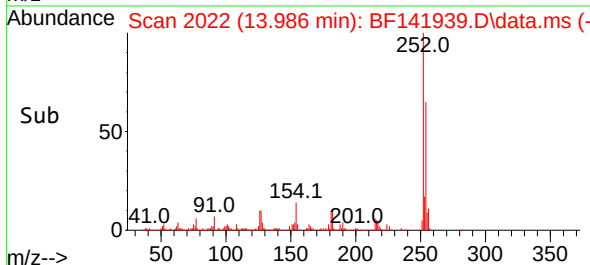
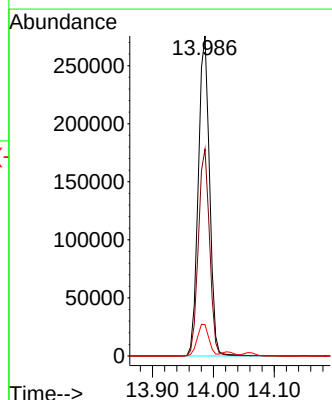
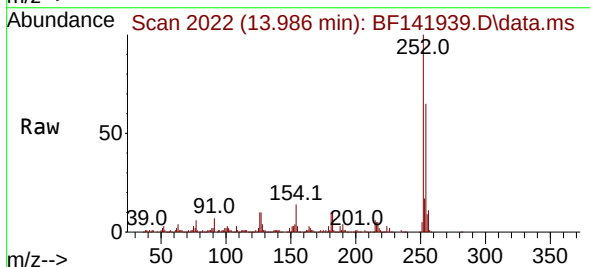
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

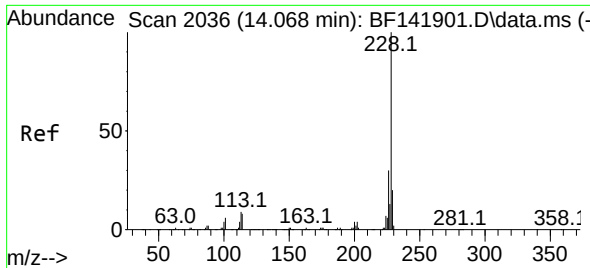
Tgt Ion:228 Resp: 1129185
Ion Ratio Lower Upper
228 100
226 27.2 21.8 32.8
229 19.7 16.0 24.0



#82
3,3'-Dichlorobenzidine
Concen: 41.361 ng
RT: 13.986 min Scan# 2022
Delta R.T. -0.006 min
Lab File: BF141939.D
Acq: 13 Mar 2025 12:17

Tgt Ion:252 Resp: 353908
Ion Ratio Lower Upper
252 100
254 64.7 51.0 76.6
126 9.8 8.4 12.6

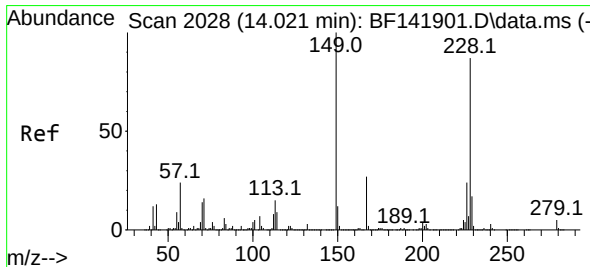
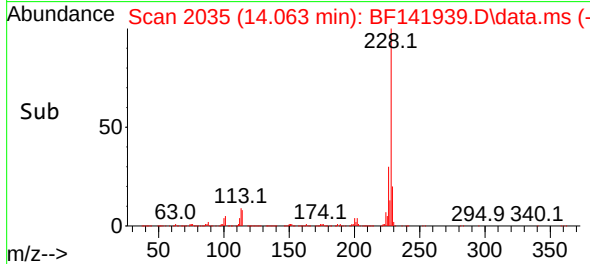
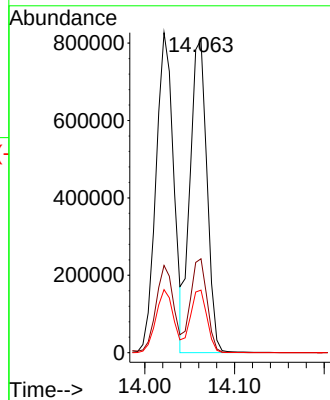
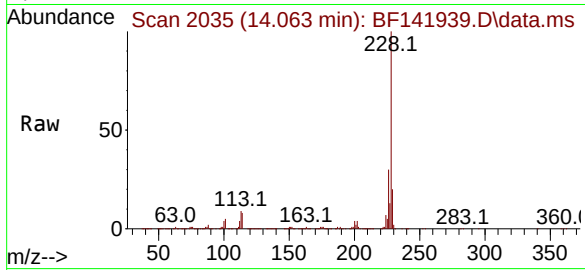




#83
Chrysene
Concen: 39.214 ng
RT: 14.063 min Scan# 2036
Delta R.T. -0.006 min
Lab File: BF141939.D
Acq: 13 Mar 2025 12:17

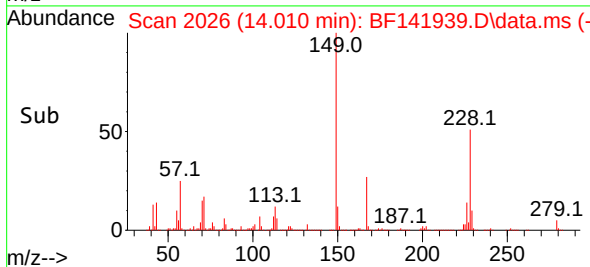
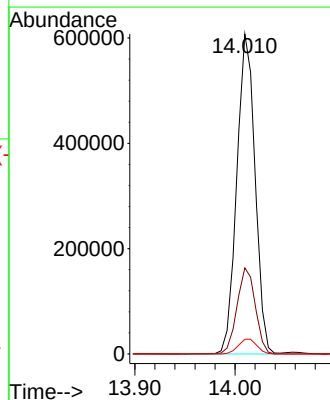
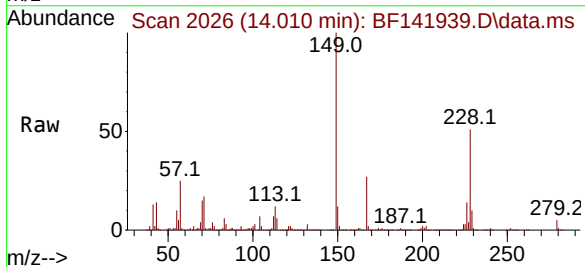
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

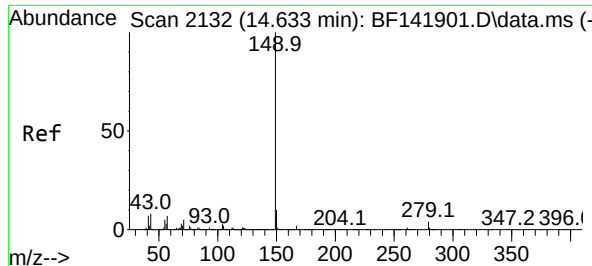
Tgt Ion:228 Resp: 1052493
Ion Ratio Lower Upper
228 100
226 30.0 24.1 36.1
229 20.0 15.7 23.5



#84
Bis(2-ethylhexyl)phthalate
Concen: 36.599 ng
RT: 14.010 min Scan# 2026
Delta R.T. -0.012 min
Lab File: BF141939.D
Acq: 13 Mar 2025 12:17

Tgt Ion:149 Resp: 770893
Ion Ratio Lower Upper
149 100
167 26.9 21.4 32.0
279 4.6 3.8 5.6

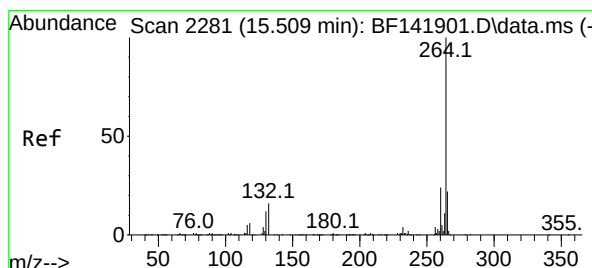
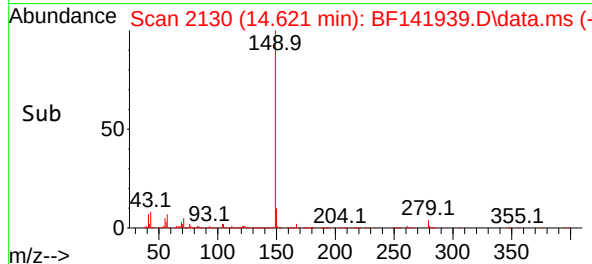
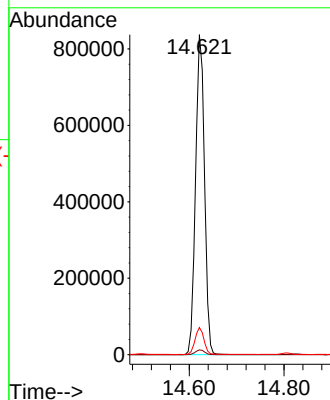
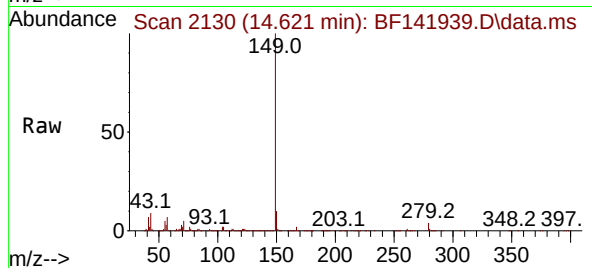




#85
Di-n-octyl phthalate
Concen: 37.251 ng
RT: 14.621 min Scan# 2130
Delta R.T. -0.012 min
Lab File: BF141939.D
Acq: 13 Mar 2025 12:17

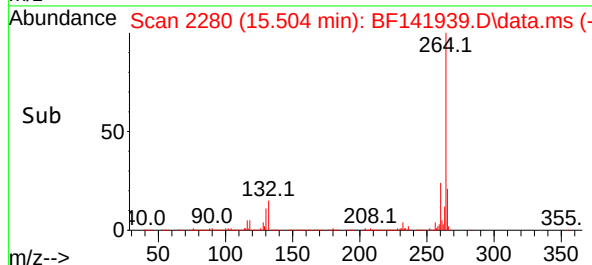
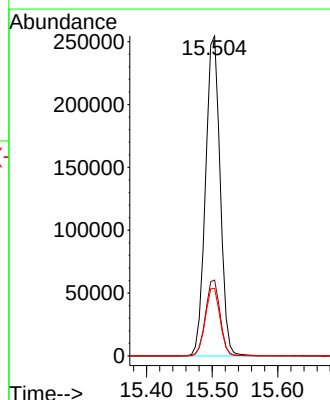
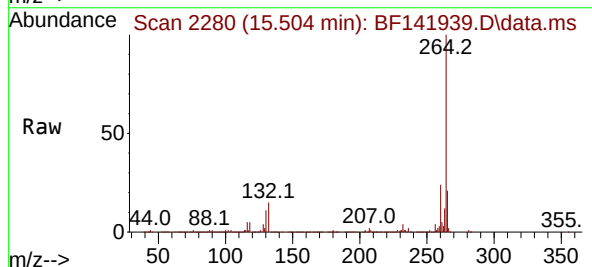
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

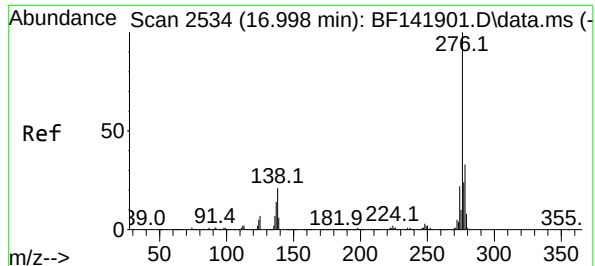
Tgt Ion:149 Resp: 1091714
Ion Ratio Lower Upper
149 100
167 1.6 1.3 1.9
43 8.4 6.9 10.3



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.504 min Scan# 2280
Delta R.T. -0.006 min
Lab File: BF141939.D
Acq: 13 Mar 2025 12:17

Tgt Ion:264 Resp: 394917
Ion Ratio Lower Upper
264 100
260 23.7 19.1 28.7
265 21.1 17.5 26.3





#87

Indeno(1,2,3-cd)pyrene

Concen: 40.580 ng

RT: 16.986 min Scan# 21

Delta R.T. -0.012 min

Lab File: BF141939.D

Acq: 13 Mar 2025 12:17

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

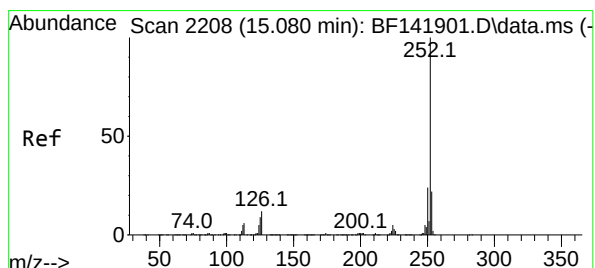
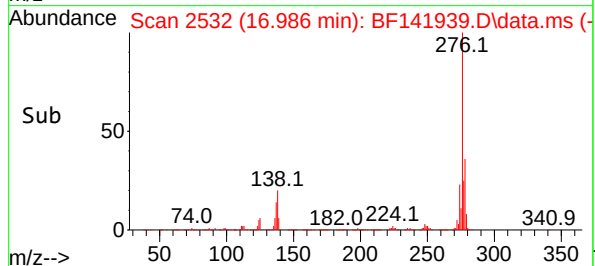
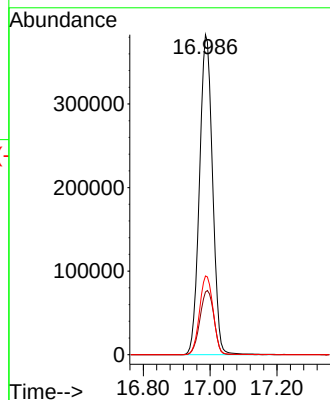
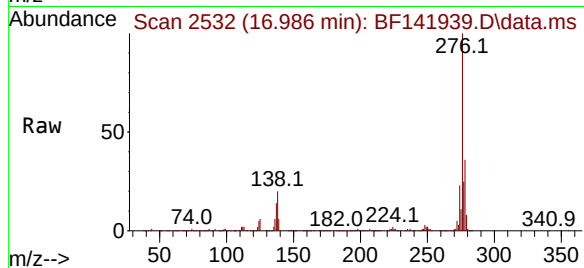
Tgt Ion:276 Resp: 1036676

Ion Ratio Lower Upper

276 100

138 21.6 18.4 27.6

277 25.5 20.3 30.5



#88

Benzo(b)fluoranthene

Concen: 36.786 ng

RT: 15.074 min Scan# 2207

Delta R.T. -0.006 min

Lab File: BF141939.D

Acq: 13 Mar 2025 12:17

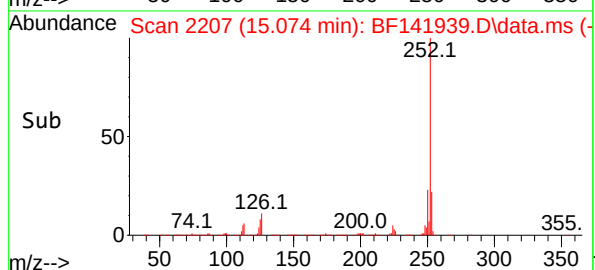
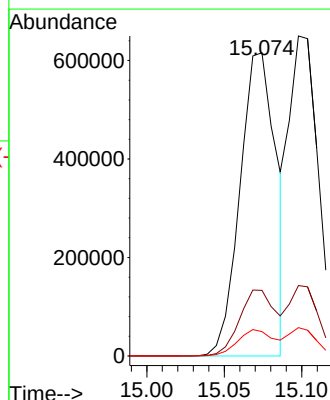
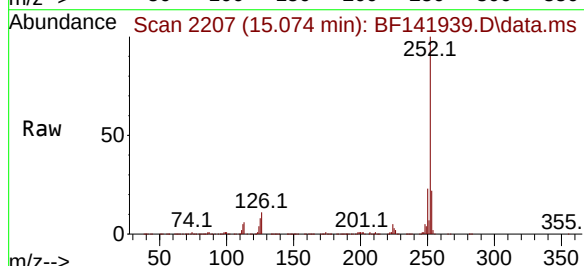
Tgt Ion:252 Resp: 995633

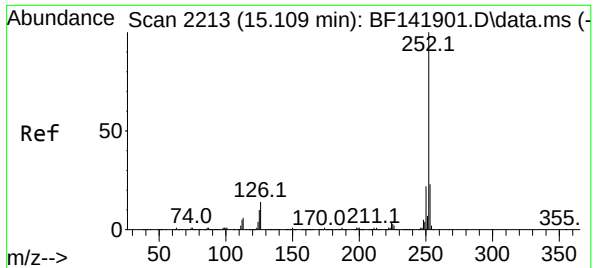
Ion Ratio Lower Upper

252 100

253 21.7 17.5 26.3

125 8.0 7.0 10.4





#89

Benzo(k)fluoranthene

Concen: 37.223 ng

RT: 15.098 min Scan# 21

Delta R.T. -0.012 min

Lab File: BF141939.D

Acq: 13 Mar 2025 12:17

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

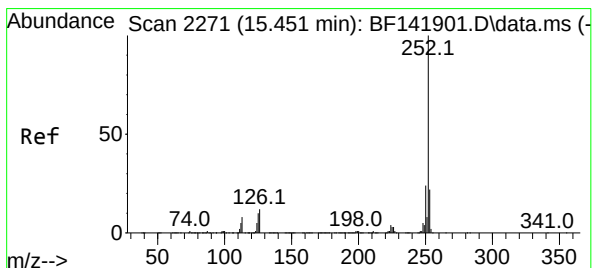
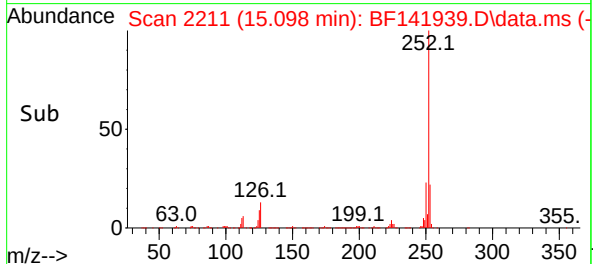
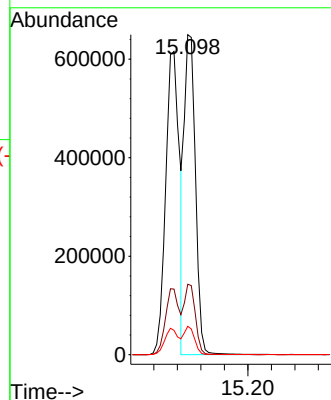
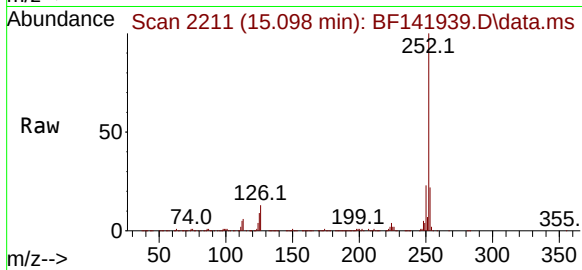
Tgt Ion:252 Resp: 862161

Ion Ratio Lower Upper

252 100

253 22.0 17.7 26.5

125 8.8 7.2 10.8



#90

Benzo(a)pyrene

Concen: 38.240 ng

RT: 15.439 min Scan# 2269

Delta R.T. -0.012 min

Lab File: BF141939.D

Acq: 13 Mar 2025 12:17

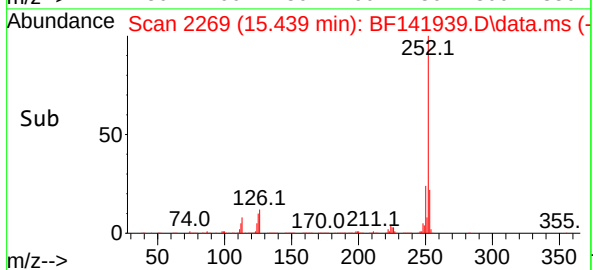
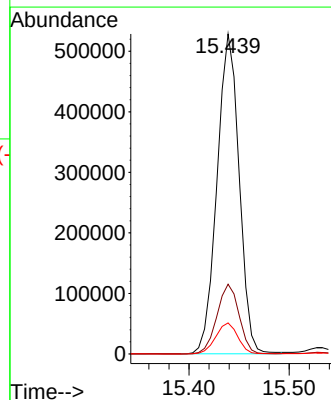
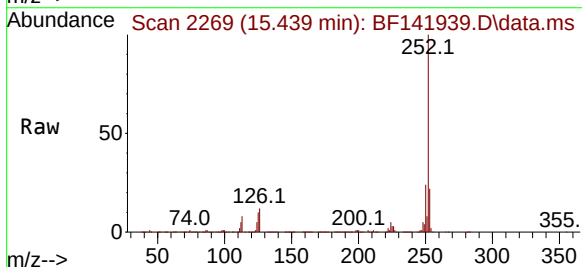
Tgt Ion:252 Resp: 809840

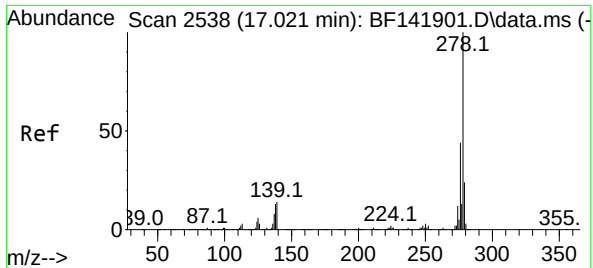
Ion Ratio Lower Upper

252 100

253 21.8 17.4 26.0

125 9.7 7.8 11.8

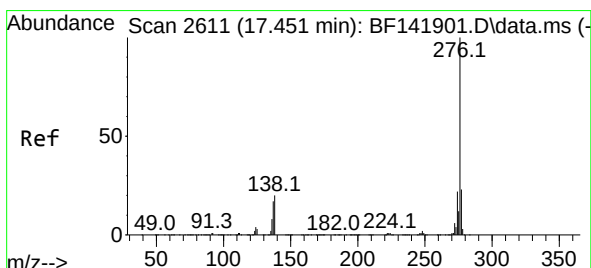
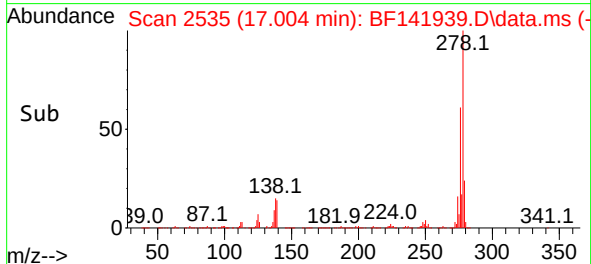
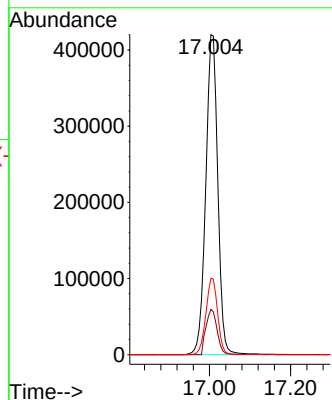
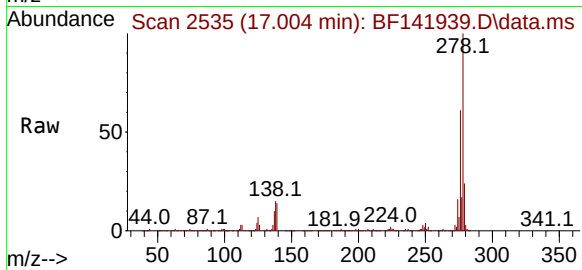




#91
Dibenzo(a,h)anthracene
Concen: 40.945 ng
RT: 17.004 min Scan# 210
Delta R.T. -0.018 min
Lab File: BF141939.D
Acq: 13 Mar 2025 12:17

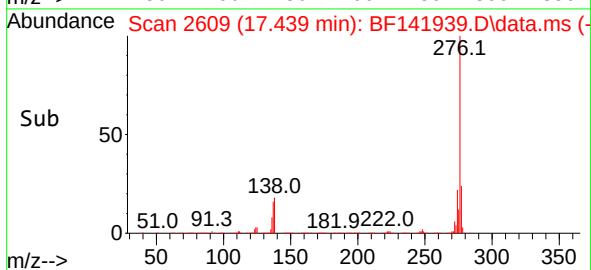
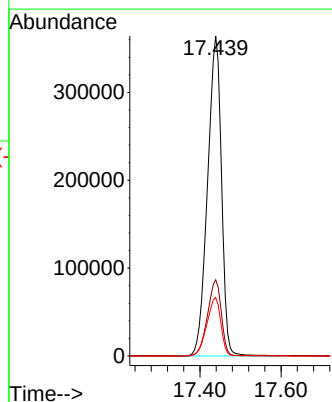
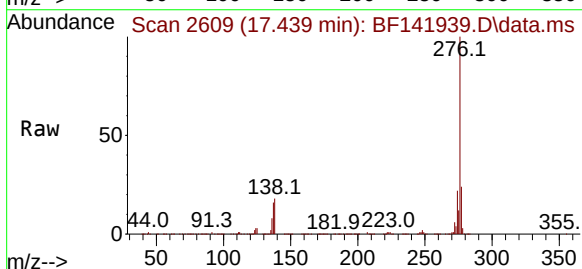
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:278 Resp: 863026
Ion Ratio Lower Upper
278 100
139 14.1 11.4 17.2
279 23.8 18.8 28.2



#92
Benzo(g,h,i)perylene
Concen: 41.473 ng
RT: 17.439 min Scan# 2609
Delta R.T. -0.012 min
Lab File: BF141939.D
Acq: 13 Mar 2025 12:17

Tgt Ion:276 Resp: 863842
Ion Ratio Lower Upper
276 100
277 23.8 18.7 28.1
138 18.3 15.8 23.8



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF031325\
 Data File : BF141939.D
 Acq On : 13 Mar 2025 12:17
 Operator : RC/JU
 Sample : SSTDCCC040
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_F
 LabSampleId :
 SSTDCCC040

Quant Time: Mar 13 13:05:23 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF031025.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Mar 10 15:46:22 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	89	0.00
2	1,4-Dioxane	0.502	0.494	1.6	87	0.00
3	Pyridine	1.232	1.192	3.2	87	0.00
4	n-Nitrosodimethylamine	0.587	0.573	2.4	87	0.00
5 S	2-Fluorophenol	1.198	1.154	3.7	89	0.00
6	Aniline	1.505	1.410	6.3	86	0.00
7 S	Phenol-d6	1.526	1.446	5.2	89	0.00
8	2-Chlorophenol	1.329	1.276	4.0	90	0.00
9	Benzaldehyde	0.853	0.751	12.0	86	0.00
10 C	Phenol	1.605	1.528	4.8	88	0.00
11	bis(2-Chloroethyl)ether	1.205	1.127	6.5	87	0.00
12	1,3-Dichlorobenzene	1.435	1.371	4.5	89	0.00
13 C	1,4-Dichlorobenzene	1.452	1.393	4.1	89	0.00
14	1,2-Dichlorobenzene	1.367	1.320	3.4	90	0.00
15	Benzyl Alcohol	1.233	1.170	5.1	88	0.00
16	2,2'-oxybis(1-Chloropropane	1.455	1.285	11.7	84	0.00
17	2-Methylphenol	1.057	0.994	6.0	88	0.00
18	Hexachloroethane	0.544	0.518	4.8	89	0.00
19 P	n-Nitroso-di-n-propylamine	0.980	0.878	10.4	85	0.00
20	3+4-Methylphenols	1.354	1.268	6.4	87	0.00
21 I	Naphthalene-d8	1.000	1.000	0.0	88	0.00
22	Acetophenone	0.479	0.459	4.2	88	0.00
23 S	Nitrobenzene-d5	0.355	0.344	3.1	87	0.00
24	Nitrobenzene	0.353	0.341	3.4	87	0.00
25	Isophorone	0.628	0.580	7.6	85	0.00
26 C	2-Nitrophenol	0.173	0.171	1.2	86	0.00
27	2,4-Dimethylphenol	0.239	0.230	3.8	87	0.00
28	bis(2-Chloroethoxy)methane	0.394	0.365	7.4	86	0.00
29 C	2,4-Dichlorophenol	0.296	0.284	4.1	87	0.00
30	1,2,4-Trichlorobenzene	0.327	0.315	3.7	89	0.00
31	Naphthalene	1.027	0.986	4.0	88	0.00
32	Benzoic acid	0.210	0.221	-5.2	93	0.00
33	4-Chloroaniline	0.363	0.341	6.1	85	0.00
34 C	Hexachlorobutadiene	0.213	0.208	2.3	90	0.00
35	Caprolactam	0.090	0.086	4.4	89	0.00
36 C	4-Chloro-3-methylphenol	0.331	0.312	5.7	86	0.00
37	2-Methylnaphthalene	0.687	0.653	4.9	88	0.00
38	1-Methylnaphthalene	0.663	0.630	5.0	89	0.00
39 I	Acenaphthene-d10	1.000	1.000	0.0	86	0.00
40	1,2,4,5-Tetrachlorobenzene	0.609	0.593	2.6	87	0.00
41 P	Hexachlorocyclopentadiene	0.238	0.250	-5.0	87	0.00
42 S	2,4,6-Tribromophenol	0.254	0.253	0.4	88	0.00
43 C	2,4,6-Trichlorophenol	0.398	0.393	1.3	85	0.00
44	2,4,5-Trichlorophenol	0.403	0.393	2.5	87	0.00
45 S	2-Fluorobiphenyl	1.315	1.265	3.8	87	0.00
46	1,1'-Biphenyl	1.520	1.471	3.2	87	0.00
47	2-Chloronaphthalene	1.133	1.108	2.2	88	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF031325\
 Data File : BF141939.D
 Acq On : 13 Mar 2025 12:17
 Operator : RC/JU
 Sample : SSTDCCC040
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_F
 LabSampleId :
 SSTDCCC040

Quant Time: Mar 13 13:05:23 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF031025.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Mar 10 15:46:22 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	0.328	0.320	2.4	86	0.00
49	Acenaphthylene	1.681	1.639	2.5	87	0.00
50	Dimethylphthalate	1.401	1.334	4.8	87	0.00
51	2,6-Dinitrotoluene	0.292	0.285	2.4	86	0.00
52 C	Acenaphthene	1.181	1.161	1.7	88	0.00
53	3-Nitroaniline	0.296	0.285	3.7	84	0.00
54 P	2,4-Dinitrophenol	0.139	0.155	-11.5	95	0.00
55	Dibenzofuran	1.688	1.627	3.6	87	0.00
56 P	4-Nitrophenol	0.223	0.230	-3.1	87	0.00
57	2,4-Dinitrotoluene	0.381	0.373	2.1	86	0.00
58	Fluorene	1.302	1.243	4.5	87	0.00
59	2,3,4,6-Tetrachlorophenol	0.367	0.364	0.8	88	0.00
60	Diethylphthalate	1.397	1.328	4.9	86	0.00
61	4-Chlorophenyl-phenylether	0.679	0.656	3.4	88	0.00
62	4-Nitroaniline	0.288	0.285	1.0	85	0.00
63	Azobenzene	1.298	1.230	5.2	85	0.00
64 I	Phenanthrene-d10	1.000	1.000	0.0	87	0.00
65	4,6-Dinitro-2-methylphenol	0.119	0.125	-5.0	89	0.00
66 c	n-Nitrosodiphenylamine	0.647	0.624	3.6	87	0.00
67	4-Bromophenyl-phenylether	0.251	0.245	2.4	87	0.00
68	Hexachlorobenzene	0.275	0.272	1.1	87	0.00
69	Atrazine	0.198	0.165	16.7	87	0.00
70 C	Pentachlorophenol	0.170	0.180	-5.9	88	0.00
71	Phenanthrene	1.080	1.034	4.3	86	0.00
72	Anthracene	1.084	1.037	4.3	86	0.00
73	Carbazole	0.935	0.896	4.2	85	0.00
74	Di-n-butylphthalate	1.240	1.178	5.0	87	0.00
75 C	Fluoranthene	1.146	1.074	6.3	84	0.00
76 I	Chrysene-d12	1.000	1.000	0.0	79	0.00
77	Benzidine	0.279	0.440	-57.7#	97	0.00
78	Pyrene	1.730	1.703	1.6	84	0.00
79 S	Terphenyl-d14	1.353	1.361	-0.6	84	0.00
80	Butylbenzylphthalate	0.677	0.649	4.1	78	-0.01
81	Benzo(a)anthracene	1.312	1.251	4.6	78	0.00
82	3,3'-Dichlorobenzidine	0.379	0.392	-3.4	84	0.00
83	Chrysene	1.190	1.166	2.0	81	0.00
84	Bis(2-ethylhexyl)phthalate	0.934	0.854	8.6	75	-0.01
85 c	Di-n-octyl phthalate	1.299	1.210	6.9	76	-0.01
86 I	Perylene-d12	1.000	1.000	0.0	84	0.00
87	Indeno(1,2,3-cd)pyrene	1.294	1.313	-1.5	86	-0.01
88	Benzo(b)fluoranthene	1.371	1.261	8.0	88	0.00
89	Benzo(k)fluoranthene	1.173	1.092	6.9	76	-0.01
90 C	Benzo(a)pyrene	1.073	1.025	4.5	83	-0.01
91	Dibenzo(a,h)anthracene	1.067	1.093	-2.4	86	-0.02
92	Benzo(g,h,i)perylene	1.055	1.094	-3.7	86	-0.01

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF031325\
Data File : BF141939.D
Acq On : 13 Mar 2025 12:17
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Mar 13 13:05:23 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF031025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Mar 10 15:46:22 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)

(#) = Out of Range SPCC's out = 0 CCC's out = 0

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF031325\
 Data File : BF141939.D
 Acq On : 13 Mar 2025 12:17
 Operator : RC/JU
 Sample : SSTDCCC040
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_F
 LabSampleId :
 SSTDCCC040

Quant Time: Mar 13 13:05:23 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF031025.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Mar 10 15:46:22 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	89	0.00
2	1,4-Dioxane	40.000	39.334	1.7	87	0.00
3	Pyridine	40.000	38.717	3.2	87	0.00
4	n-Nitrosodimethylamine	40.000	39.034	2.4	87	0.00
5 S	2-Fluorophenol	80.000	77.057	3.7	89	0.00
6	Aniline	40.000	37.480	6.3	86	0.00
7 S	Phenol-d6	80.000	75.826	5.2	89	0.00
8	2-Chlorophenol	40.000	38.395	4.0	90	0.00
9	Benzaldehyde	40.000	35.193	12.0	86	0.00
10 C	Phenol	40.000	38.077	4.8	88	0.00
11	bis(2-Chloroethyl)ether	40.000	37.411	6.5	87	0.00
12	1,3-Dichlorobenzene	40.000	38.208	4.5	89	0.00
13 C	1,4-Dichlorobenzene	40.000	38.375	4.1	89	0.00
14	1,2-Dichlorobenzene	40.000	38.620	3.5	90	0.00
15	Benzyl Alcohol	40.000	37.946	5.1	88	0.00
16	2,2'-oxybis(1-Chloropropane	40.000	35.329	11.7	84	0.00
17	2-Methylphenol	40.000	37.607	6.0	88	0.00
18	Hexachloroethane	40.000	38.069	4.8	89	0.00
19 P	n-Nitroso-di-n-propylamine	40.000	35.812	10.5	85	0.00
20	3+4-Methylphenols	40.000	37.464	6.3	87	0.00
21 I	Naphthalene-d8	20.000	20.000	0.0	88	0.00
22	Acetophenone	40.000	38.332	4.2	88	0.00
23 S	Nitrobenzene-d5	80.000	77.391	3.3	87	0.00
24	Nitrobenzene	40.000	38.634	3.4	87	0.00
25	Isophorone	40.000	36.899	7.8	85	0.00
26 C	2-Nitrophenol	40.000	39.549	1.1	86	0.00
27	2,4-Dimethylphenol	40.000	38.499	3.8	87	0.00
28	bis(2-Chloroethoxy)methane	40.000	37.044	7.4	86	0.00
29 C	2,4-Dichlorophenol	40.000	38.322	4.2	87	0.00
30	1,2,4-Trichlorobenzene	40.000	38.527	3.7	89	0.00
31	Naphthalene	40.000	38.385	4.0	88	0.00
32	Benzoic acid	40.000	42.081	-5.2	93	0.00
33	4-Chloroaniline	40.000	37.629	5.9	85	0.00
34 C	Hexachlorobutadiene	40.000	39.060	2.3	90	0.00
35	Caprolactam	40.000	37.884	5.3	89	0.00
36 C	4-Chloro-3-methylphenol	40.000	37.769	5.6	86	0.00
37	2-Methylnaphthalene	40.000	38.045	4.9	88	0.00
38	1-Methylnaphthalene	40.000	38.016	5.0	89	0.00
39 I	Acenaphthene-d10	20.000	20.000	0.0	86	0.00
40	1,2,4,5-Tetrachlorobenzene	40.000	38.972	2.6	87	0.00
41 P	Hexachlorocyclopentadiene	40.000	41.981	-5.0	87	0.00
42 S	2,4,6-Tribromophenol	80.000	79.856	0.2	88	0.00
43 C	2,4,6-Trichlorophenol	40.000	39.520	1.2	85	0.00
44	2,4,5-Trichlorophenol	40.000	39.009	2.5	87	0.00
45 S	2-Fluorobiphenyl	80.000	76.930	3.8	87	0.00
46	1,1'-Biphenyl	40.000	38.721	3.2	87	0.00
47	2-Chloronaphthalene	40.000	39.130	2.2	88	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF031325\
 Data File : BF141939.D
 Acq On : 13 Mar 2025 12:17
 Operator : RC/JU
 Sample : SSTDCCC040
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_F
 LabSampleId :
 SSTDCCC040

Quant Time: Mar 13 13:05:23 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF031025.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Mar 10 15:46:22 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	39.074	2.3	86	0.00
49	Acenaphthylene	40.000	39.005	2.5	87	0.00
50	Dimethylphthalate	40.000	38.106	4.7	87	0.00
51	2,6-Dinitrotoluene	40.000	39.096	2.3	86	0.00
52 C	Acenaphthene	40.000	39.326	1.7	88	0.00
53	3-Nitroaniline	40.000	38.530	3.7	84	0.00
54 P	2,4-Dinitrophenol	40.000	41.009	-2.5	95	0.00
55	Dibenzofuran	40.000	38.554	3.6	87	0.00
56 P	4-Nitrophenol	40.000	41.301	-3.3	87	0.00
57	2,4-Dinitrotoluene	40.000	39.193	2.0	86	0.00
58	Fluorene	40.000	38.195	4.5	87	0.00
59	2,3,4,6-Tetrachlorophenol	40.000	39.708	0.7	88	0.00
60	Diethylphthalate	40.000	38.044	4.9	86	0.00
61	4-Chlorophenyl-phenylether	40.000	38.646	3.4	88	0.00
62	4-Nitroaniline	40.000	39.528	1.2	85	0.00
63	Azobenzene	40.000	37.888	5.3	85	0.00
64 I	Phenanthrene-d10	20.000	20.000	0.0	87	0.00
65	4,6-Dinitro-2-methylphenol	40.000	41.862	-4.7	89	0.00
66 c	n-Nitrosodiphenylamine	40.000	38.576	3.6	87	0.00
67	4-Bromophenyl-phenylether	40.000	38.946	2.6	87	0.00
68	Hexachlorobenzene	40.000	39.530	1.2	87	0.00
69	Atrazine	40.000	33.164	17.1	87	0.00
70 C	Pentachlorophenol	40.000	42.480	-6.2	88	0.00
71	Phenanthrene	40.000	38.274	4.3	86	0.00
72	Anthracene	40.000	38.288	4.3	86	0.00
73	Carbazole	40.000	38.363	4.1	85	0.00
74	Di-n-butylphthalate	40.000	37.983	5.0	87	0.00
75 C	Fluoranthene	40.000	37.478	6.3	84	0.00
76 I	Chrysene-d12	20.000	20.000	0.0	79	0.00
77	Benzydine	40.000	63.130	-57.8#	97	0.00
78	Pyrene	40.000	39.368	1.6	84	0.00
79 S	Terphenyl-d14	80.000	80.485	-0.6	84	0.00
80	Butylbenzylphthalate	40.000	38.339	4.2	78	-0.01
81	Benzo(a)anthracene	40.000	38.137	4.7	78	0.00
82	3,3'-Dichlorobenzidine	40.000	41.361	-3.4	84	0.00
83	Chrysene	40.000	39.214	2.0	81	0.00
84	Bis(2-ethylhexyl)phthalate	40.000	36.599	8.5	75	-0.01
85 c	Di-n-octyl phthalate	40.000	37.251	6.9	76	-0.01
86 I	Perylene-d12	20.000	20.000	0.0	84	0.00
87	Indeno(1,2,3-cd)pyrene	40.000	40.580	-1.4	86	-0.01
88	Benzo(b)fluoranthene	40.000	36.786	8.0	88	0.00
89	Benzo(k)fluoranthene	40.000	37.223	6.9	76	-0.01
90 C	Benzo(a)pyrene	40.000	38.240	4.4	83	-0.01
91	Dibenzo(a,h)anthracene	40.000	40.945	-2.4	86	-0.02
92	Benzo(g,h,i)perylene	40.000	41.473	-3.7	86	-0.01

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF031325\
Data File : BF141939.D
Acq On : 13 Mar 2025 12:17
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Mar 13 13:05:23 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF031025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Mar 10 15:46:22 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

Compound	Amount	Calc.	%Dev	Area%	Dev(min)

(#) = Out of Range SPCC's out = 0 CCC's out = 0



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

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: WEST04

Lab Code: CHEM Case No.: Q1539 SAS No.: Q1539 SDG No.: Q1539

Instrument ID: BNA_F Calibration Date/Time: 03/13/2025 21:09

Lab File ID: BF141953.D Init. Calib. Date(s): 03/10/2025 03/10/2025

EPA Sample No.: SSTDCCC040EC Init. Calib. Time(s): 11:01 15:20

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

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
2-Fluorophenol	1.198	1.136		-5.2	50.0
Benzaldehyde	0.853	0.811		-4.9	50.0
Phenol-d6	1.526	1.422		-6.8	50.0
Phenol	1.605	1.483		-7.6	50.0
bis(2-Chloroethyl)ether	1.205	1.114		-7.6	50.0
2-Chlorophenol	1.329	1.247		-6.2	50.0
2-Methylphenol	1.057	0.989		-6.4	50.0
2,2-oxybis(1-Chloropropane)	1.455	1.252		-14.0	50.0
Acetophenone	0.479	0.447		-6.7	50.0
3+4-Methylphenols	1.354	1.231		-9.1	50.0
n-Nitroso-di-n-propylamine	0.980	0.857	0.050	-12.6	50.0
Nitrobenzene-d5	0.355	0.345		-2.8	50.0
Hexachloroethane	0.544	0.512		-5.9	50.0
Nitrobenzene	0.353	0.342		-3.1	50.0
Isophorone	0.628	0.577		-8.1	50.0
2-Nitrophenol	0.173	0.178		2.9	50.0
2,4-Dimethylphenol	0.239	0.225		-5.9	50.0
bis(2-Chloroethoxy)methane	0.394	0.364		-7.6	50.0
2,4-Dichlorophenol	0.296	0.286		-3.4	50.0
Naphthalene	1.027	0.970		-5.6	50.0
4-Chloroaniline	0.363	0.330		-9.1	50.0
Hexachlorobutadiene	0.213	0.209		-1.9	50.0
Caprolactam	0.090	0.081		-10.0	50.0
4-Chloro-3-methylphenol	0.331	0.304		-8.2	50.0
2-Methylnaphthalene	0.687	0.645		-6.1	50.0
Hexachlorocyclopentadiene	0.238	0.213	0.050	-10.5	50.0
2,4,6-Trichlorophenol	0.398	0.383		-3.8	50.0
2-Fluorobiphenyl	1.315	1.275		-3.0	50.0
2,4,5-Trichlorophenol	0.403	0.398		-1.2	50.0
1,1-Biphenyl	1.520	1.467		-3.5	50.0
2-Chloronaphthalene	1.133	1.089		-3.9	50.0
2-Nitroaniline	0.328	0.311		-5.2	50.0
Dimethylphthalate	1.401	1.310		-6.5	50.0
Acenaphthylene	1.681	1.594		-5.2	50.0
2,6-Dinitrotoluene	0.292	0.282		-3.4	50.0
3-Nitroaniline	0.296	0.273		-7.8	50.0
Acenaphthene	1.181	1.117		-5.4	50.0
2,4-Dinitrophenol	0.139	0.124	0.050	-10.8	50.0
4-Nitrophenol	0.223	0.208	0.050	-6.7	50.0



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

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: WEST04

Lab Code: CHEM Case No.: Q1539 SAS No.: Q1539 SDG No.: Q1539

Instrument ID: BNA_F Calibration Date/Time: 03/13/2025 21:09

Lab File ID: BF141953.D Init. Calib. Date(s): 03/10/2025 03/10/2025

EPA Sample No.: SSTDCCC040EC Init. Calib. Time(s): 11:01 15:20

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

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
Dibenzofuran	1.688	1.577		-6.6	50.0
2,4-Dinitrotoluene	0.381	0.364		-4.5	50.0
Diethylphthalate	1.397	1.298		-7.1	50.0
4-Chlorophenyl-phenylether	0.679	0.639		-5.9	50.0
Fluorene	1.302	1.205		-7.4	50.0
4-Nitroaniline	0.288	0.265		-8.0	50.0
4,6-Dinitro-2-methylphenol	0.119	0.115		-3.4	50.0
n-Nitrosodiphenylamine	0.647	0.639		-1.2	50.0
2,4,6-Tribromophenol	0.254	0.243		-4.3	50.0
4-Bromophenyl-phenylether	0.251	0.253		0.8	50.0
Hexachlorobenzene	0.275	0.274		-0.4	50.0
Atrazine	0.198	0.161		-18.7	50.0
Pentachlorophenol	0.170	0.168		-1.2	50.0
Phenanthrene	1.080	1.024		-5.2	50.0
Anthracene	1.084	1.029		-5.1	50.0
Carbazole	0.935	0.858		-8.2	50.0
Di-n-butylphthalate	1.240	1.189		-4.1	50.0
Fluoranthene	1.146	0.973		-15.1	50.0
Pyrene	1.730	1.587		-8.3	50.0
Terphenyl-d14	1.353	1.269		-6.2	50.0
Butylbenzylphthalate	0.677	0.638		-5.8	50.0
3,3-Dichlorobenzidine	0.379	0.416		9.8	50.0
Benzo (a) anthracene	1.312	1.234		-5.9	50.0
Chrysene	1.190	1.160		-2.5	50.0
Bis(2-ethylhexyl)phthalate	0.934	0.882		-5.6	50.0
Di-n-octyl phthalate	1.299	1.355		4.3	50.0
Benzo (b) fluoranthene	1.371	1.194		-12.9	50.0
Benzo (k) fluoranthene	1.173	1.097		-6.5	50.0
Benzo (a) pyrene	1.073	1.017		-5.2	50.0
Indeno (1,2,3-cd) pyrene	1.294	1.148		-11.3	50.0
Dibenzo (a,h) anthracene	1.067	0.969		-9.2	50.0
Benzo (g,h,i) perylene	1.055	0.897		-15.0	50.0
1,2,4,5-Tetrachlorobenzene	0.609	0.605		-0.7	50.0
1,4-Dioxane	0.502	0.488		-2.8	50.0
2,3,4,6-Tetrachlorophenol	0.367	0.351		-4.4	50.0

All other compounds must meet a minimum RRF of 0.010.

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF031325\
 Data File : BF141953.D
 Acq On : 13 Mar 2025 21:09
 Operator : RC/JU
 Sample : SSTDCCC040
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SSTDCCC040EC

Quant Time: Mar 14 10:40:51 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF031025.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Mar 10 15:46:22 2025
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.881	152	207617	20.000	ng	0.00
21) Naphthalene-d8	8.157	136	797299	20.000	ng	0.00
39) Acenaphthene-d10	9.916	164	438637	20.000	ng	0.00
64) Phenanthrene-d10	11.398	188	703968	20.000	ng	0.00
76) Chrysene-d12	14.033	240	419686	20.000	ng	0.00
86) Perylene-d12	15.504	264	434165	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.493	112	943806	75.869	ng	0.00
7) Phenol-d6	6.504	99	1180988	74.563	ng	0.00
23) Nitrobenzene-d5	7.439	82	1099994	77.641	ng	0.00
42) 2,4,6-Tribromophenol	10.704	330	426191	76.588	ng	0.00
45) 2-Fluorobiphenyl	9.233	172	2237192	77.566	ng	0.00
79) Terphenyl-d14	12.980	244	2129584	75.020	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	2.663	88	202835	38.914	ng	99
3) Pyridine	3.428	79	500347	39.134	ng	99
4) n-Nitrosodimethylamine	3.381	42	229651	37.680	ng	97
6) Aniline	6.540	93	573166	36.683	ng	100
8) 2-Chlorophenol	6.663	128	517898	37.538	ng	99
9) Benzaldehyde	6.428	77	336866	38.029	ng	99
10) Phenol	6.516	94	615687	36.950	ng	99
11) bis(2-Chloroethyl)ether	6.616	93	462710	36.982	ng	99
12) 1,3-Dichlorobenzene	6.822	146	561507	37.697	ng	98
13) 1,4-Dichlorobenzene	6.898	146	575720	38.201	ng	99
14) 1,2-Dichlorobenzene	7.051	146	536754	37.813	ng	98
15) Benzyl Alcohol	7.016	79	480799	37.549	ng	99
16) 2,2'-oxybis(1-Chloropr...	7.151	45	519768	34.410	ng	99
17) 2-Methylphenol	7.122	107	410648	37.434	ng	99
18) Hexachloroethane	7.392	117	212459	37.594	ng	95
19) n-Nitroso-di-n-propyla...	7.292	70	355924	34.972	ng	99
20) 3+4-Methylphenols	7.281	107	511348	36.392	ng	# 86
22) Acetophenone	7.287	105	712801	37.332	ng	98
24) Nitrobenzene	7.463	77	544573	38.665	ng	99
25) Isophorone	7.698	82	919502	36.716	ng	100
26) 2-Nitrophenol	7.775	139	283537	41.017	ng	100
27) 2,4-Dimethylphenol	7.804	122	358162	37.628	ng	99
28) bis(2-Chloroethoxy)met...	7.904	93	579672	36.904	ng	99
29) 2,4-Dichlorophenol	8.010	162	455594	38.562	ng	99
30) 1,2,4-Trichlorobenzene	8.098	180	500991	38.479	ng	100
31) Naphthalene	8.181	128	1546595	37.762	ng	100
32) Benzoic acid	7.922	122	346469	41.409	ng	98
33) 4-Chloroaniline	8.228	127	526586	36.422	ng	99
34) Hexachlorobutadiene	8.298	225	333569	39.285	ng	99
35) Caprolactam	8.604	113	129912	36.067	ng	92
36) 4-Chloro-3-methylphenol	8.704	107	484274	36.745	ng	97
37) 2-Methylnaphthalene	8.869	142	1029160	37.594	ng	100
38) 1-Methylnaphthalene	8.969	142	992564	37.573	ng	99
40) 1,2,4,5-Tetrachloroben...	9.033	216	530397	39.716	ng	98
41) Hexachlorocyclopentadiene	9.022	237	186666	35.715	ng	98
43) 2,4,6-Trichlorophenol	9.145	196	335808	38.476	ng	98

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF031325\
 Data File : BF141953.D
 Acq On : 13 Mar 2025 21:09
 Operator : RC/JU
 Sample : SSTDCCC040
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SSTDCCC040EC

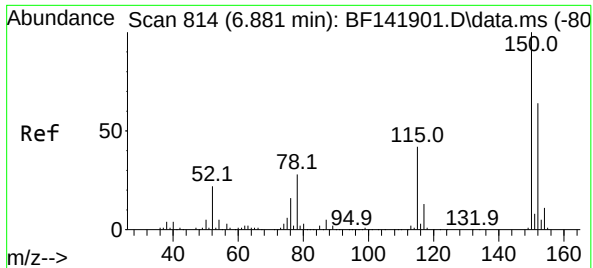
Quant Time: Mar 14 10:40:51 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF031025.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Mar 10 15:46:22 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.181	196	349464	39.534	ng	99
46) 1,1'-Biphenyl	9.333	154	1287208	38.622	ng	100
47) 2-Chloronaphthalene	9.363	162	955147	38.450	ng	99
48) 2-Nitroaniline	9.451	65	272886	37.940	ng	99
49) Acenaphthylene	9.775	152	1398235	37.930	ng	100
50) Dimethylphthalate	9.633	163	1148971	37.405	ng	100
51) 2,6-Dinitrotoluene	9.698	165	247482	38.696	ng	93
52) Acenaphthene	9.951	154	979564	37.812	ng	99
53) 3-Nitroaniline	9.863	138	239904	36.980	ng	99
54) 2,4-Dinitrophenol	9.969	184	109128	34.138	ng	# 55
55) Dibenzofuran	10.122	168	1383152	37.366	ng	98
56) 4-Nitrophenol	10.016	139	182500	37.303	ng	98
57) 2,4-Dinitrotoluene	10.098	165	319584	38.259	ng	99
58) Fluorene	10.463	166	1057192	37.035	ng	99
59) 2,3,4,6-Tetrachlorophenol	10.233	232	308054	38.297	ng	98
60) Diethylphthalate	10.333	149	1138813	37.182	ng	100
61) 4-Chlorophenyl-phenyle...	10.451	204	560436	37.657	ng	99
62) 4-Nitroaniline	10.475	138	232660	36.837	ng	98
63) Azobenzene	10.610	77	1035198	36.354	ng	100
65) 4,6-Dinitro-2-methylph...	10.504	198	161571	38.500	ng	99
66) n-Nitrosodiphenylamine	10.569	169	899665	39.492	ng	100
67) 4-Bromophenyl-phenylether	10.945	248	356422	40.315	ng	97
68) Hexachlorobenzene	11.010	284	385468	39.753	ng	95
69) Atrazine	11.092	200	227207	32.534	ng	99
70) Pentachlorophenol	11.198	266	236256	39.545	ng	99
71) Phenanthrene	11.422	178	1442335	37.933	ng	100
72) Anthracene	11.474	178	1449461	37.996	ng	100
73) Carbazole	11.627	167	1207616	36.707	ng	100
74) Di-n-butylphthalate	11.957	149	1673605	38.339	ng	100
75) Fluoranthene	12.610	202	1369471	33.953	ng	99
77) Benzidine	12.727	184	391811	66.914	ng	99
78) Pyrene	12.839	202	1331914	36.689	ng	99
80) Butylbenzylphthalate	13.451	149	535785	37.707	ng	99
81) Benzo(a)anthracene	14.021	228	1036067	37.620	ng	100
82) 3,3'-Dichlorobenzidine	13.986	252	349082	43.862	ng	99
83) Chrysene	14.063	228	973692	39.004	ng	100
84) Bis(2-ethylhexyl)phtha...	14.010	149	739989	37.771	ng	100
85) Di-n-octyl phthalate	14.621	149	1137319	41.722	ng	99
87) Indeno(1,2,3-cd)pyrene	16.986	276	997080	35.502	ng	99
88) Benzo(b)fluoranthene	15.074	252	1037144	34.855	ng	100
89) Benzo(k)fluoranthene	15.104	252	952480	37.405	ng	99
90) Benzo(a)pyrene	15.439	252	883339	37.940	ng	99
91) Dibenzo(a,h)anthracene	17.004	278	841233	36.303	ng	99
92) Benzo(g,h,i)perylene	17.433	276	778601	34.001	ng	99

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

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

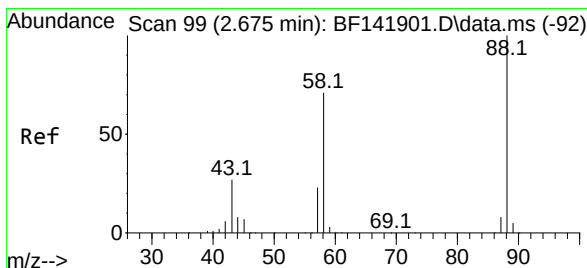
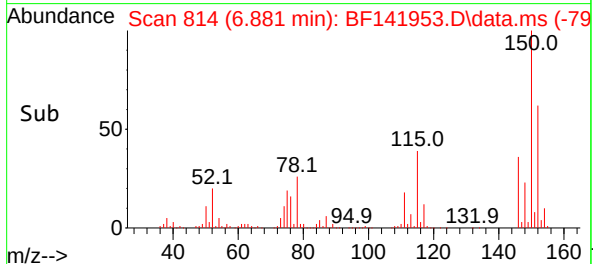
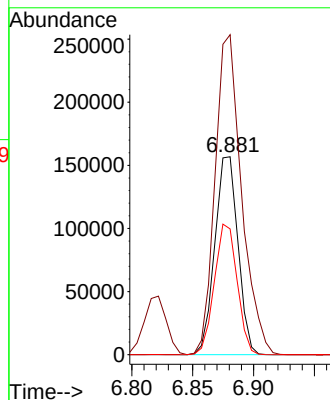
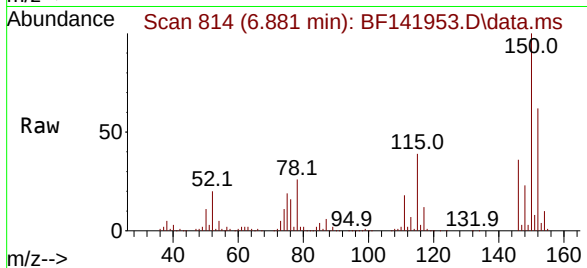
[illegible]



#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.881 min Scan# 814
Delta R.T. -0.000 min
Lab File: BF141953.D
Acq: 13 Mar 2025 21:09

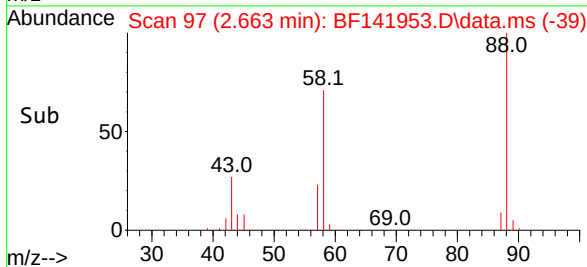
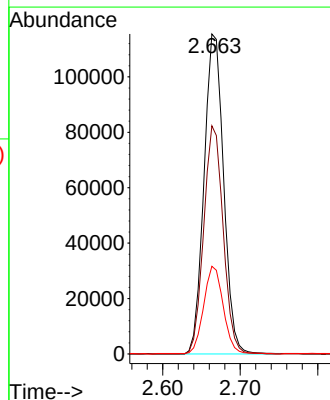
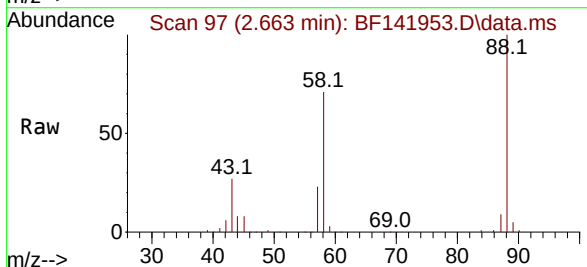
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

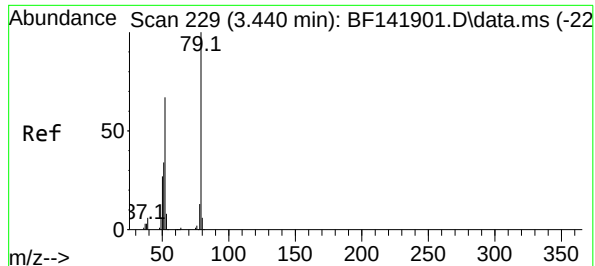
Tgt Ion:152 Resp: 207617
Ion Ratio Lower Upper
152 100
150 161.7 127.4 191.2
115 63.6 51.9 77.9



#2
1,4-Dioxane
Concen: 38.914 ng
RT: 2.663 min Scan# 97
Delta R.T. -0.012 min
Lab File: BF141953.D
Acq: 13 Mar 2025 21:09

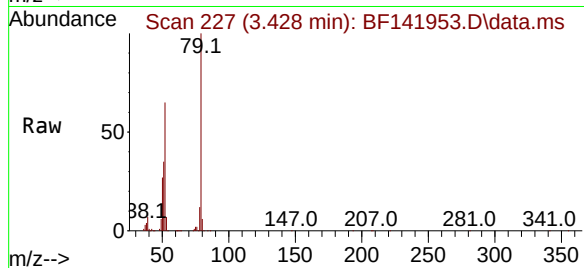
Tgt Ion: 88 Resp: 202835
Ion Ratio Lower Upper
88 100
58 70.6 57.4 86.2
43 27.5 21.5 32.3



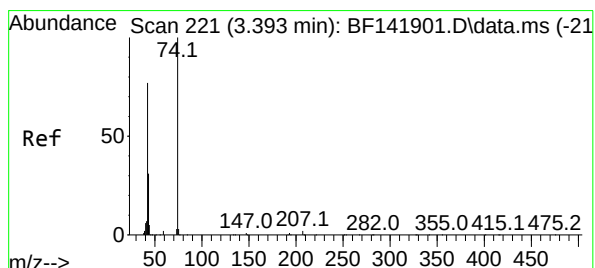
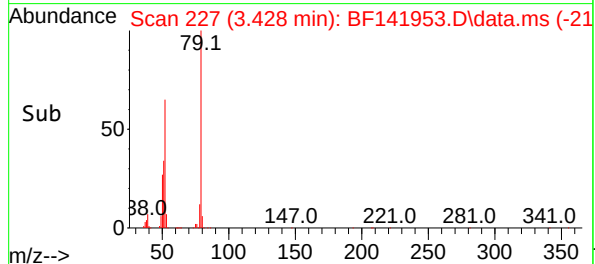
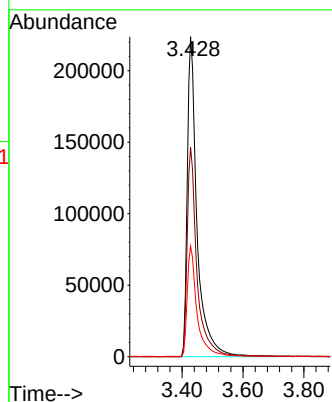


#3
Pyridine
Concen: 39.134 ng
RT: 3.428 min Scan# 219
Delta R.T. -0.012 min
Lab File: BF141953.D
Acq: 13 Mar 2025 21:09

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

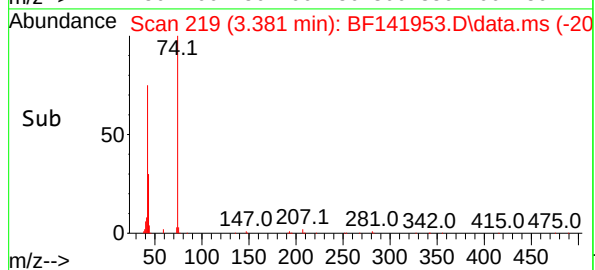
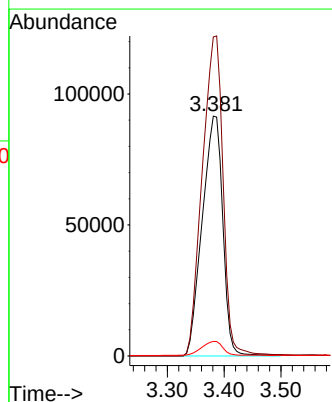
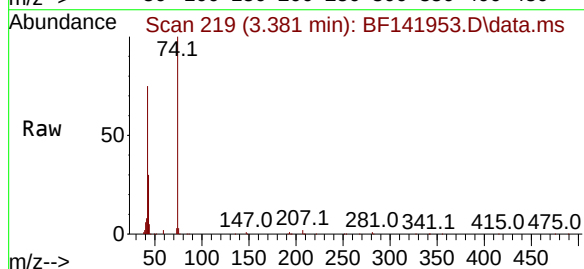


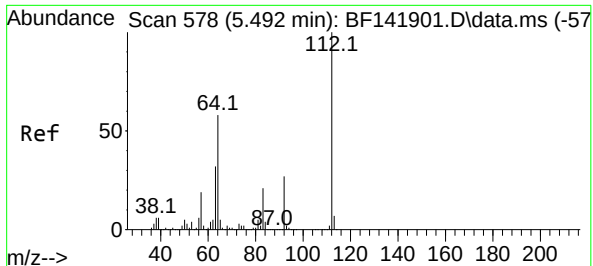
Tgt Ion: 79 Resp: 500347
Ion Ratio Lower Upper
79 100
52 65.4 53.3 79.9
51 34.6 27.6 41.4



#4
n-Nitrosodimethylamine
Concen: 37.680 ng
RT: 3.381 min Scan# 219
Delta R.T. -0.012 min
Lab File: BF141953.D
Acq: 13 Mar 2025 21:09

Tgt Ion: 42 Resp: 229651
Ion Ratio Lower Upper
42 100
74 132.9 103.4 155.0
44 6.1 5.0 7.4

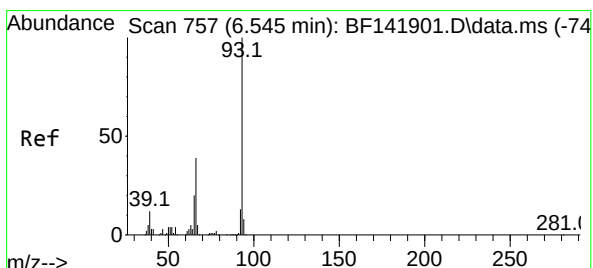
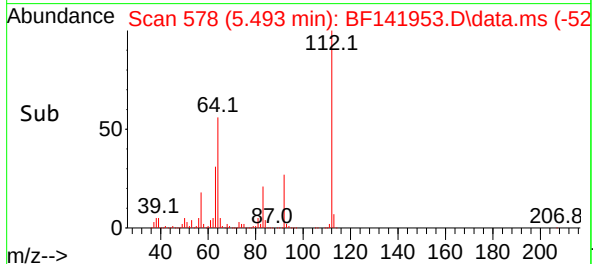
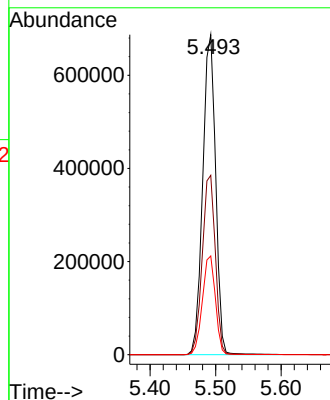
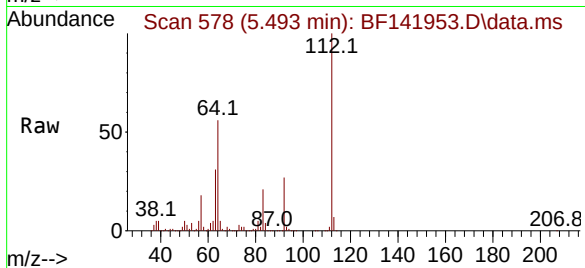




#5
2-Fluorophenol
Concen: 75.869 ng
RT: 5.493 min Scan# 51
Delta R.T. 0.000 min
Lab File: BF141953.D
Acq: 13 Mar 2025 21:09

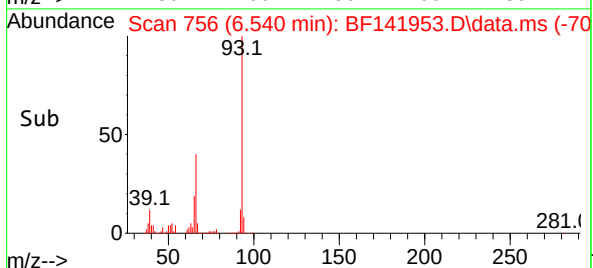
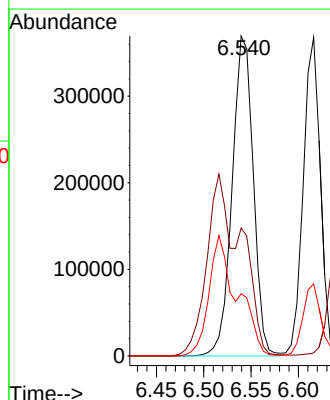
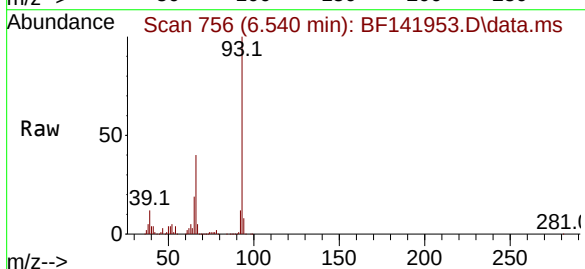
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

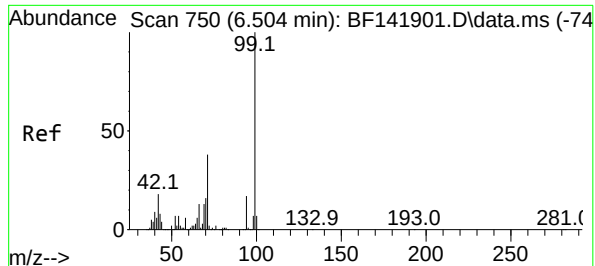
Tgt Ion:112 Resp: 943806
Ion Ratio Lower Upper
112 100
64 56.0 46.5 69.7
63 30.9 25.4 38.2



#6
Aniline
Concen: 36.683 ng
RT: 6.540 min Scan# 756
Delta R.T. -0.006 min
Lab File: BF141953.D
Acq: 13 Mar 2025 21:09

Tgt Ion: 93 Resp: 573166
Ion Ratio Lower Upper
93 100
66 40.0 31.9 47.9
65 19.4 15.8 23.6

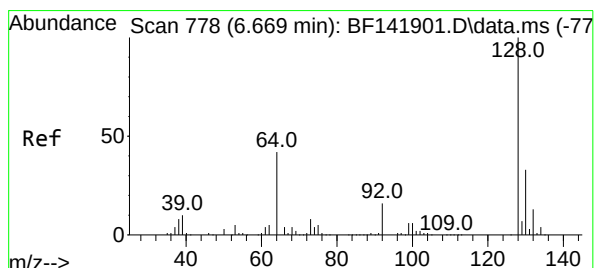
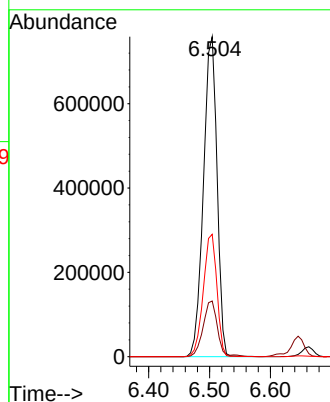
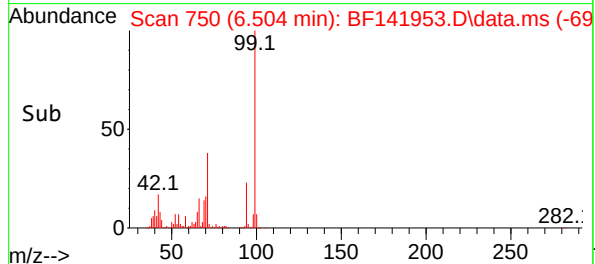
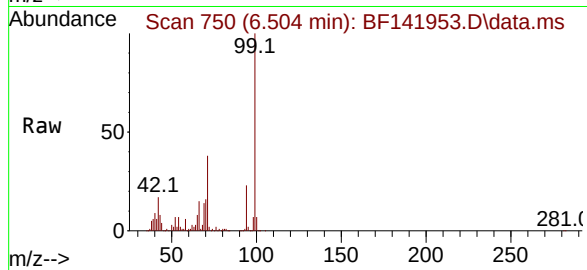




#7
Phenol-d6
Concen: 74.563 ng
RT: 6.504 min Scan# 714
Delta R.T. 0.000 min
Lab File: BF141953.D
Acq: 13 Mar 2025 21:09

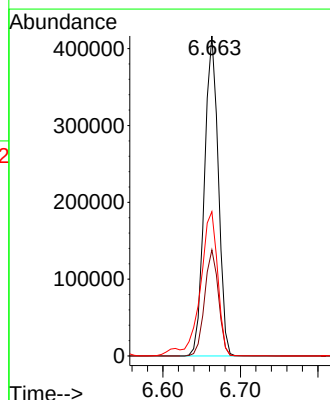
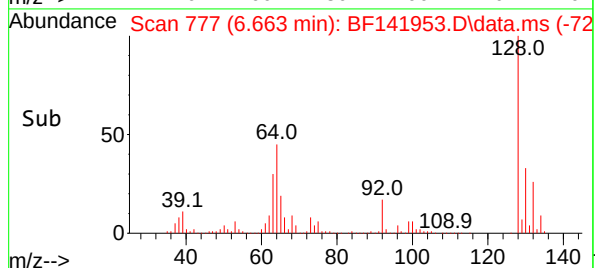
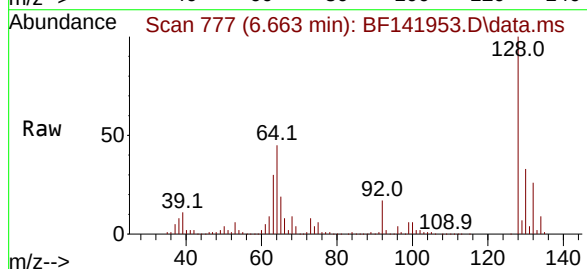
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

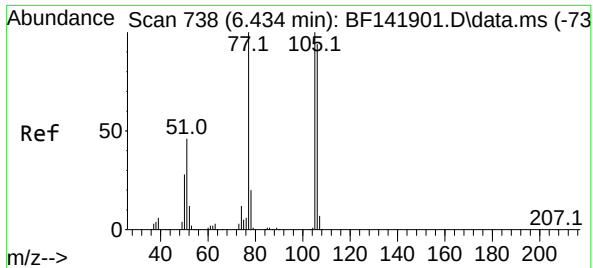
Tgt Ion: 99 Resp: 1180988
Ion Ratio Lower Upper
99 100
42 17.4 14.6 21.8
71 38.3 30.8 46.2



#8
2-Chlorophenol
Concen: 37.538 ng
RT: 6.663 min Scan# 777
Delta R.T. -0.006 min
Lab File: BF141953.D
Acq: 13 Mar 2025 21:09

Tgt Ion: 128 Resp: 517898
Ion Ratio Lower Upper
128 100
130 33.1 12.8 52.8
64 45.1 24.4 64.4

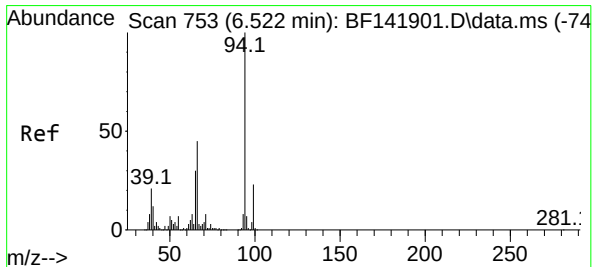
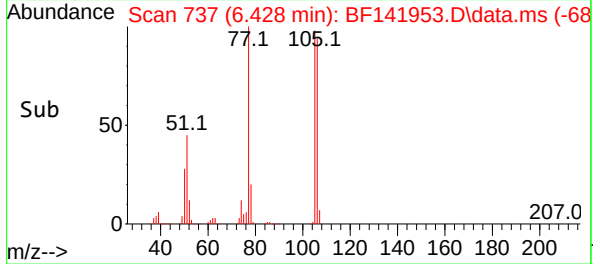
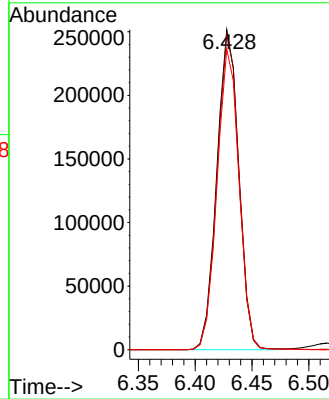
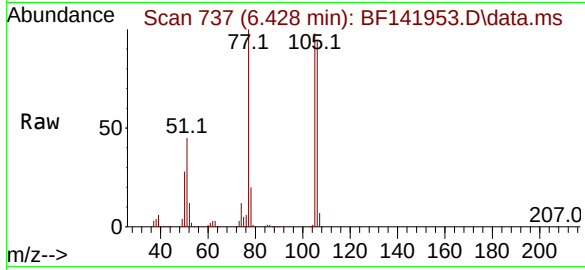




#9
Benzaldehyde
Concen: 38.029 ng
RT: 6.428 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF141953.D
Acq: 13 Mar 2025 21:09

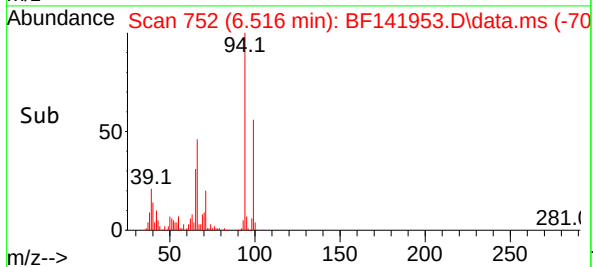
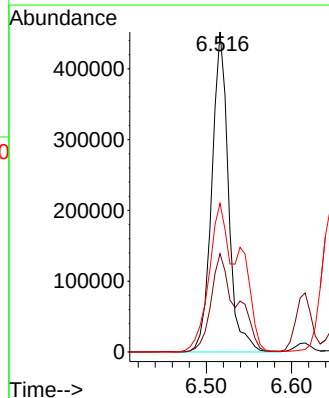
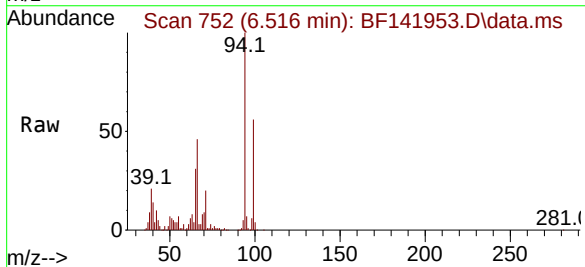
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

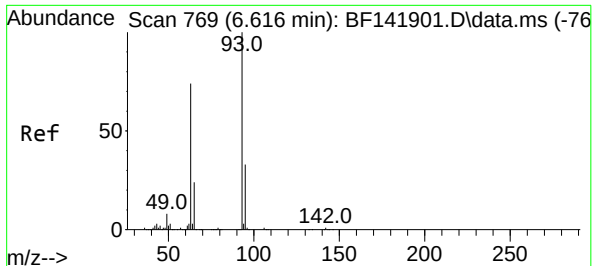
Tgt Ion: 77 Resp: 336866
Ion Ratio Lower Upper
77 100
105 98.4 80.0 120.0
106 93.8 74.5 114.5



#10
Phenol
Concen: 36.950 ng
RT: 6.516 min Scan# 752
Delta R.T. -0.006 min
Lab File: BF141953.D
Acq: 13 Mar 2025 21:09

Tgt Ion: 94 Resp: 615687
Ion Ratio Lower Upper
94 100
65 30.7 10.5 50.5
66 46.4 25.8 65.8

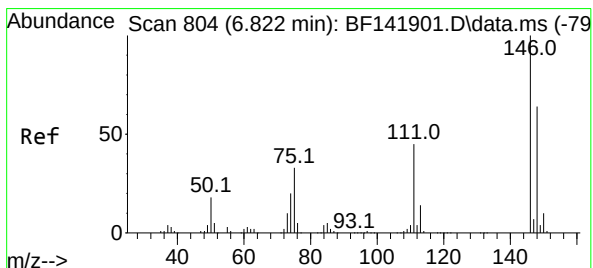
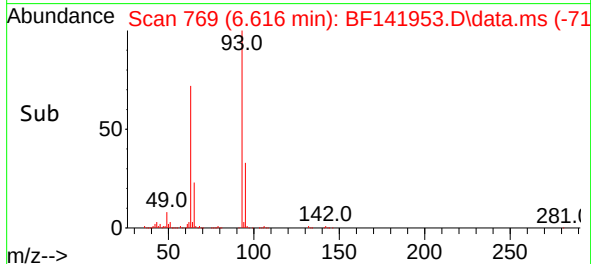
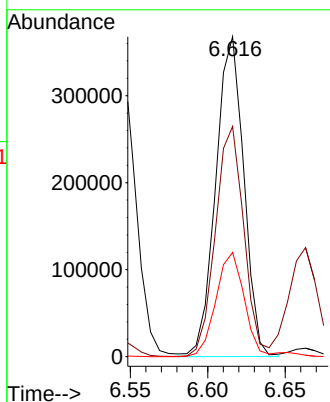
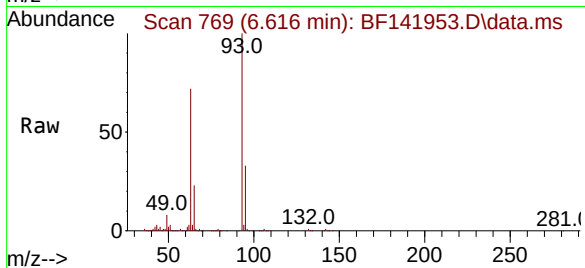




#11
bis(2-Chloroethyl)ether
Concen: 36.982 ng
RT: 6.616 min Scan# 769
Delta R.T. 0.000 min
Lab File: BF141953.D
Acq: 13 Mar 2025 21:09

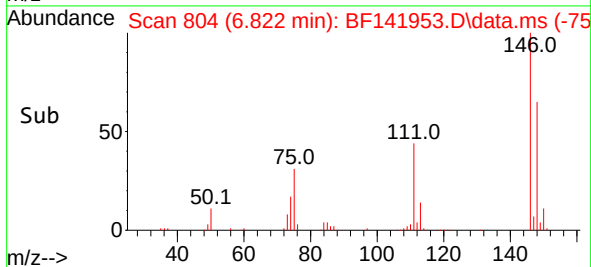
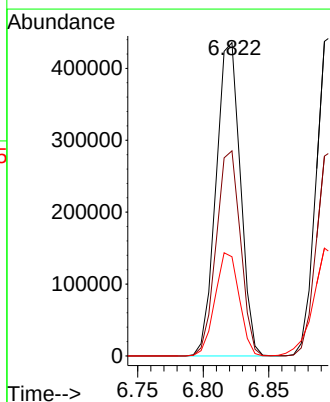
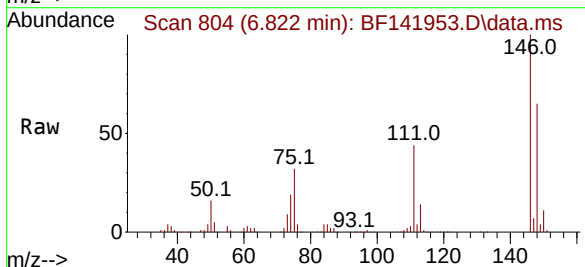
Instrument :
BNA_F
ClientSampleId :
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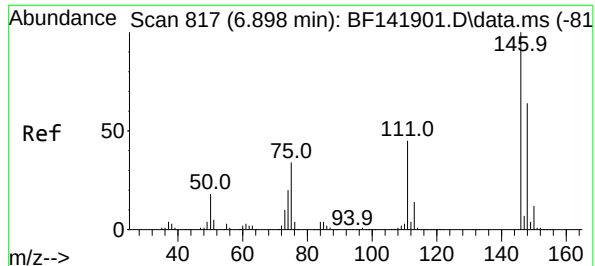
Tgt Ion: 93 Resp: 462710
Ion Ratio Lower Upper
93 100
63 71.9 53.0 93.0
95 32.6 12.9 52.9



#12
1,3-Dichlorobenzene
Concen: 37.697 ng
RT: 6.822 min Scan# 804
Delta R.T. 0.000 min
Lab File: BF141953.D
Acq: 13 Mar 2025 21:09

Tgt Ion: 146 Resp: 561507
Ion Ratio Lower Upper
146 100
148 65.5 51.3 76.9
75 31.7 26.6 40.0





#13

1,4-Dichlorobenzene

Concen: 38.201 ng

RT: 6.898 min Scan# 817

Delta R.T. 0.000 min

Lab File: BF141953.D

Acq: 13 Mar 2025 21:09

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040EC

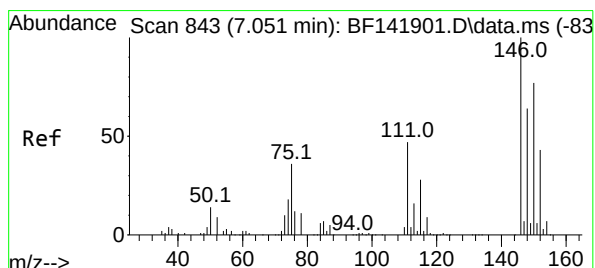
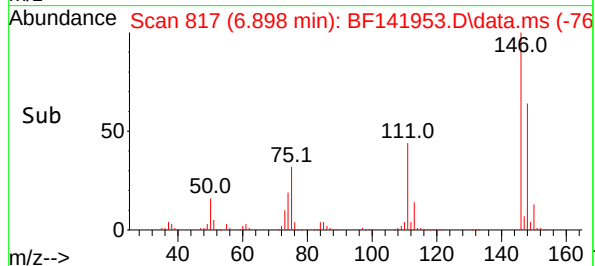
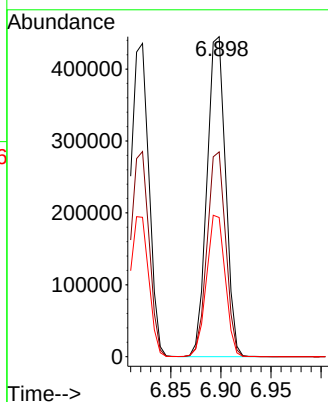
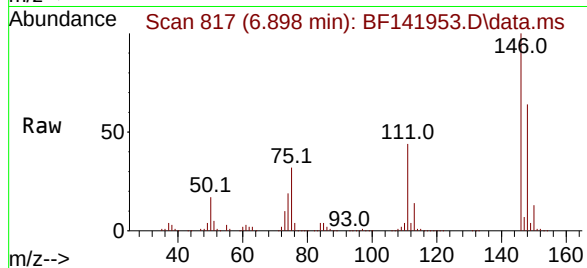
Tgt Ion:146 Resp: 575720

Ion Ratio Lower Upper

146 100

148 64.0 51.0 76.6

111 43.5 35.7 53.5



#14

1,2-Dichlorobenzene

Concen: 37.813 ng

RT: 7.051 min Scan# 843

Delta R.T. 0.000 min

Lab File: BF141953.D

Acq: 13 Mar 2025 21:09

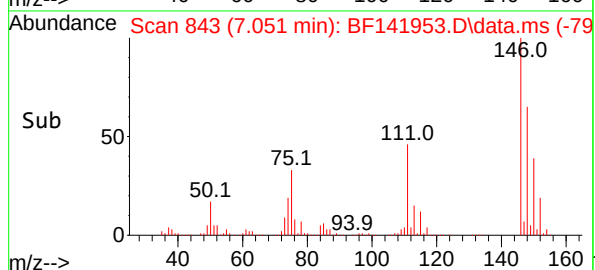
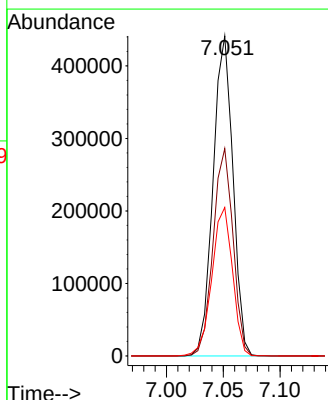
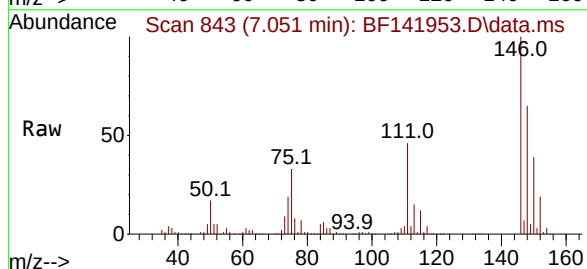
Tgt Ion:146 Resp: 536754

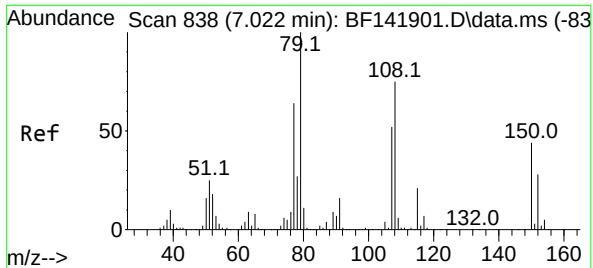
Ion Ratio Lower Upper

146 100

148 64.8 50.8 76.2

111 46.4 38.0 57.0





#15

Benzyl Alcohol

Concen: 37.549 ng

RT: 7.016 min Scan# 81

Delta R.T. -0.006 min

Lab File: BF141953.D

Acq: 13 Mar 2025 21:09

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040EC

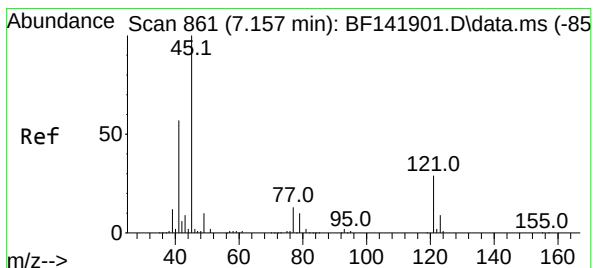
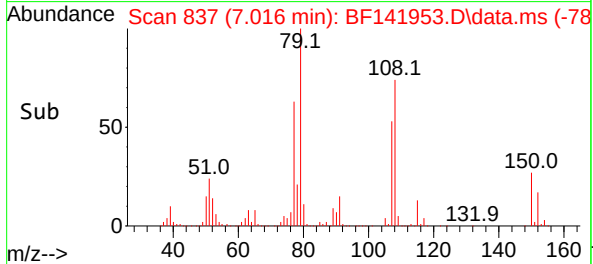
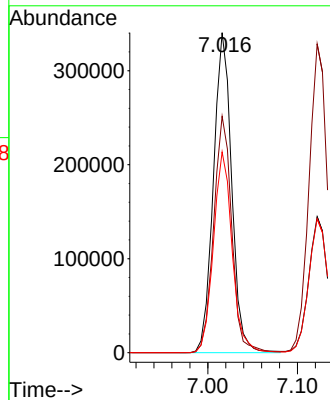
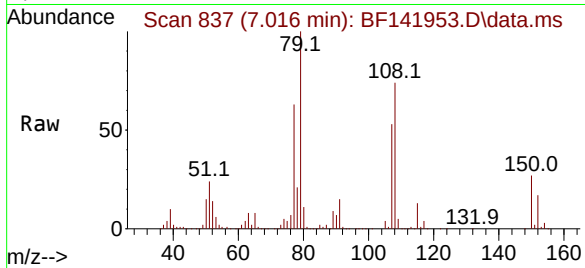
Tgt Ion: 79 Resp: 480799

Ion Ratio Lower Upper

79 100

108 73.9 59.7 89.5

77 62.7 51.0 76.6



#16

2,2'-oxybis(1-chloropropane)

Concen: 34.410 ng

RT: 7.151 min Scan# 860

Delta R.T. -0.006 min

Lab File: BF141953.D

Acq: 13 Mar 2025 21:09

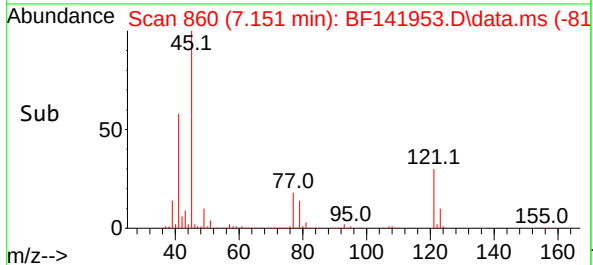
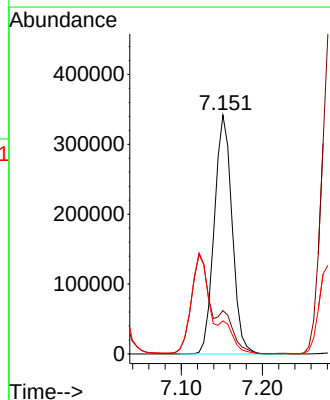
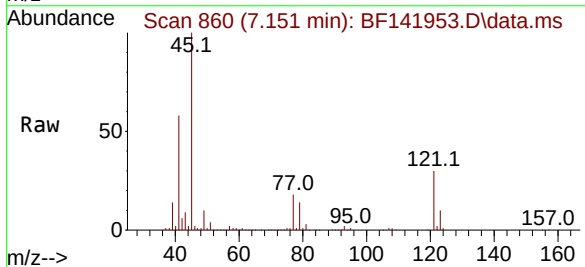
Tgt Ion: 45 Resp: 519768

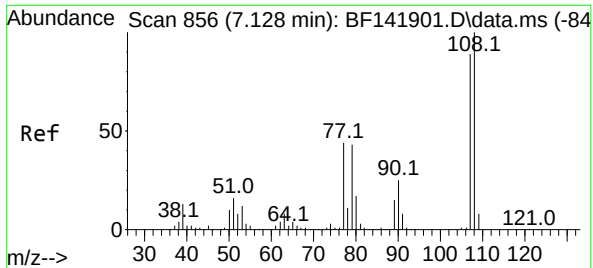
Ion Ratio Lower Upper

45 100

77 18.2 0.0 37.8

79 13.9 0.0 34.2

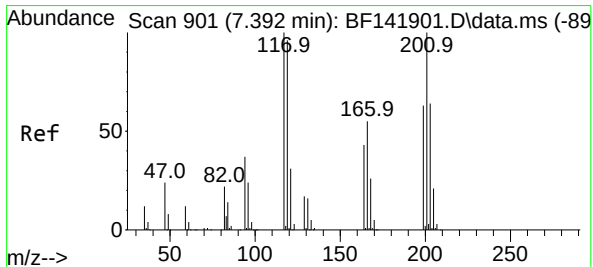
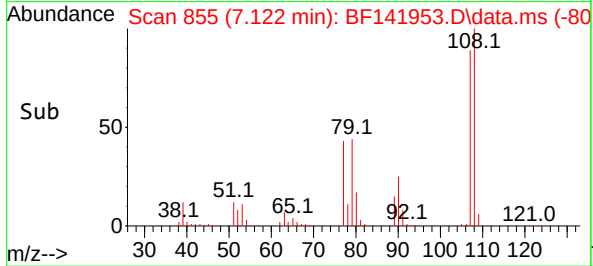
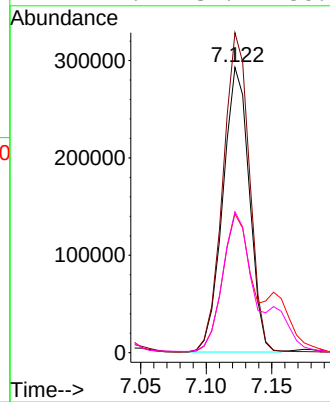
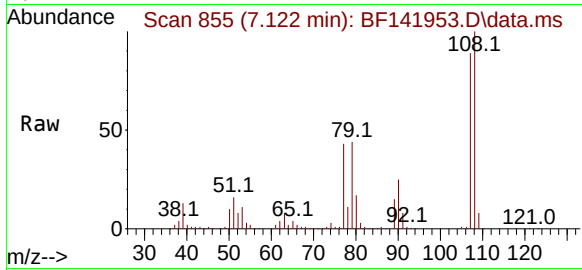




#17
2-Methylphenol
Concen: 37.434 ng
RT: 7.122 min Scan# 856
Delta R.T. -0.006 min
Lab File: BF141953.D
Acq: 13 Mar 2025 21:09

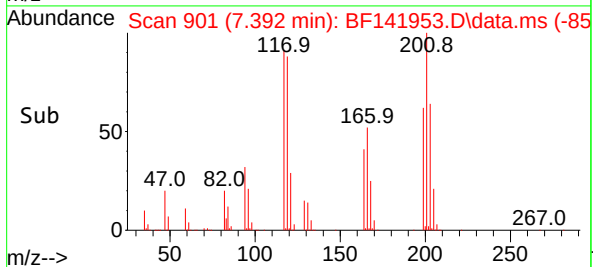
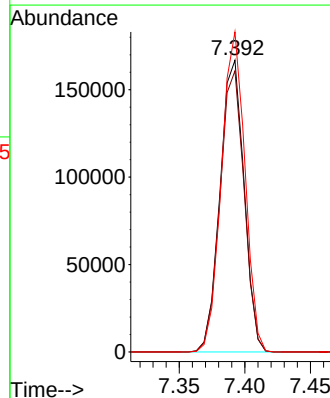
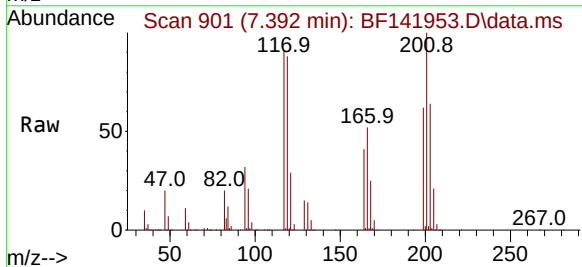
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

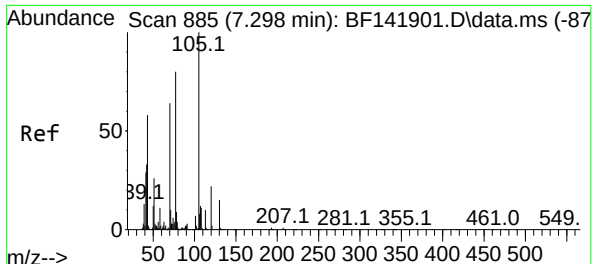
Tgt Ion:	107	Resp:	410648
Ion	Ratio	Lower	Upper
107	100		
108	112.2	90.2	135.2
77	48.6	39.6	59.4
79	49.4	39.1	58.7



#18
Hexachloroethane
Concen: 37.594 ng
RT: 7.392 min Scan# 901
Delta R.T. 0.000 min
Lab File: BF141953.D
Acq: 13 Mar 2025 21:09

Tgt Ion:	117	Resp:	212459
Ion	Ratio	Lower	Upper
117	100		
119	96.4	76.9	115.3
201	109.7	79.9	119.9





#19

n-Nitroso-di-n-propylamine

Concen: 34.972 ng

RT: 7.292 min Scan# 885

Delta R.T. -0.006 min

Lab File: BF141953.D

Acq: 13 Mar 2025 21:09

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040EC

Tgt Ion: 70 Resp: 355924

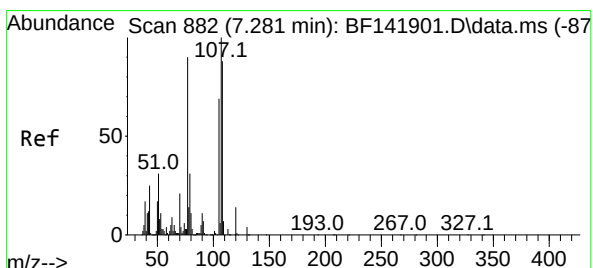
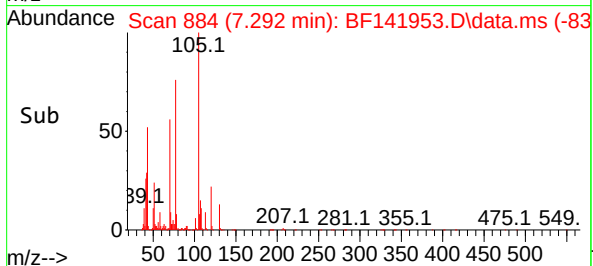
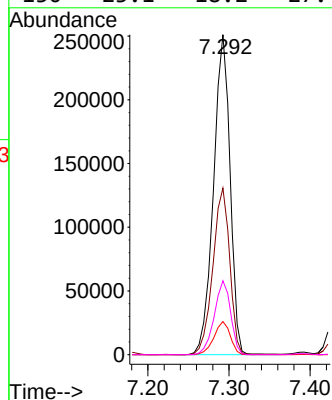
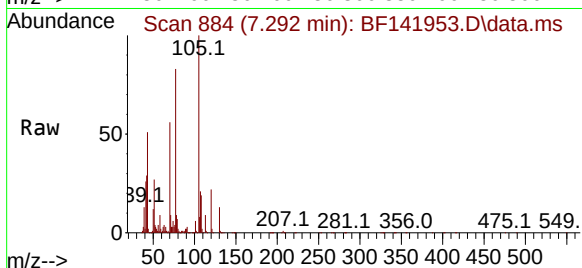
Ion Ratio Lower Upper

70 100

42 52.0 41.4 62.0

101 10.4 8.2 12.2

130 23.1 18.2 27.4



#20

3+4-Methylphenols

Concen: 36.392 ng

RT: 7.281 min Scan# 882

Delta R.T. 0.000 min

Lab File: BF141953.D

Acq: 13 Mar 2025 21:09

Tgt Ion: 107 Resp: 511348

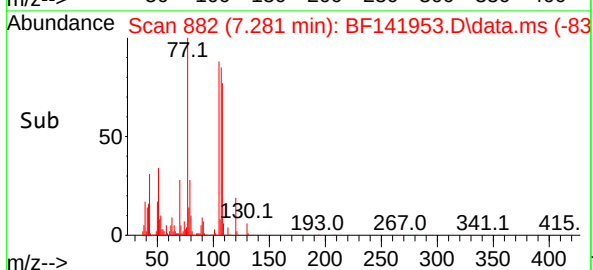
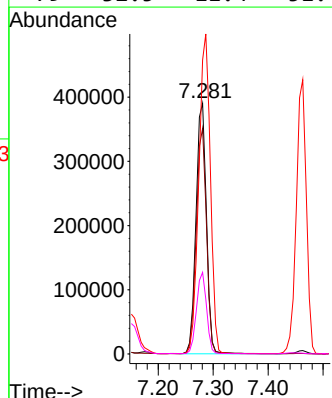
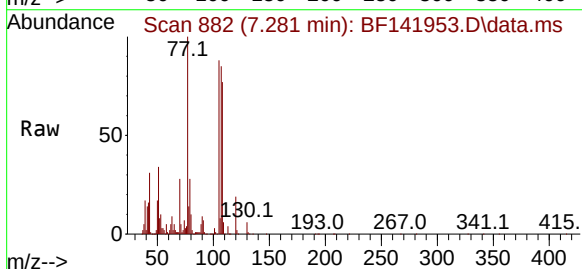
Ion Ratio Lower Upper

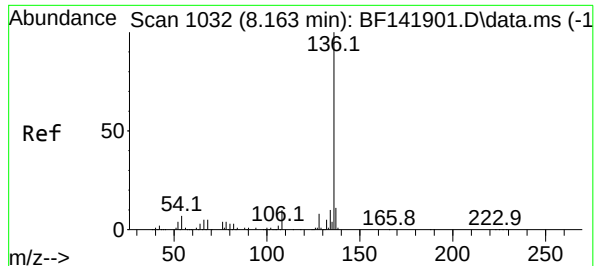
107 100

108 89.9 68.4 108.4

77 117.3 69.7 109.7#

79 32.5 11.4 51.4





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.157 min Scan# 1031

Delta R.T. -0.006 min

Lab File: BF141953.D

Acq: 13 Mar 2025 21:09

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040EC

Tgt Ion:136 Resp: 797299

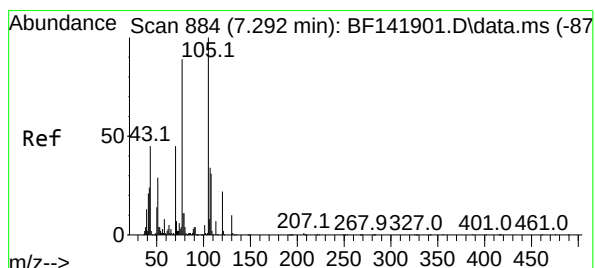
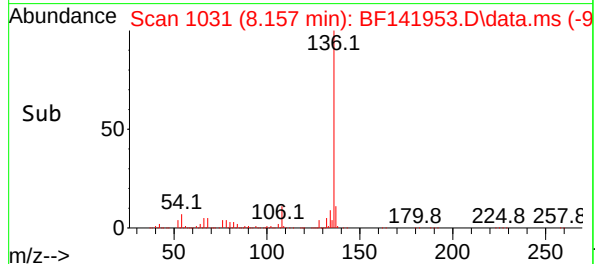
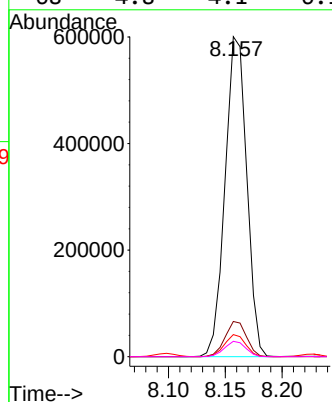
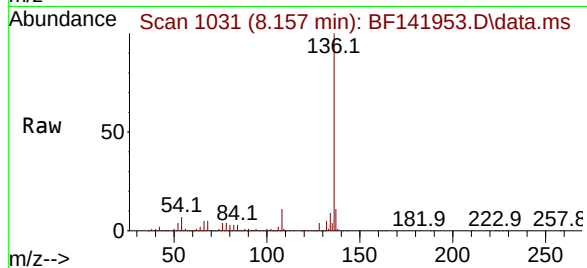
Ion Ratio Lower Upper

136 100

137 11.0 8.8 13.2

54 6.9 5.8 8.8

68 4.8 4.1 6.1



#22

Acetophenone

Concen: 37.332 ng

RT: 7.287 min Scan# 883

Delta R.T. -0.006 min

Lab File: BF141953.D

Acq: 13 Mar 2025 21:09

Tgt Ion:105 Resp: 712801

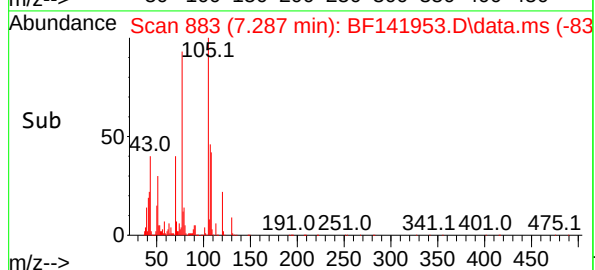
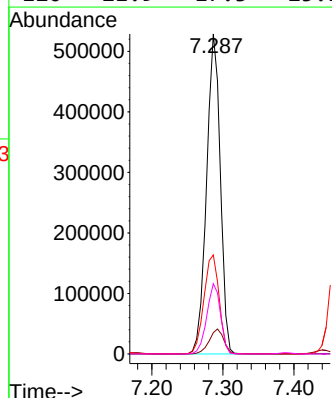
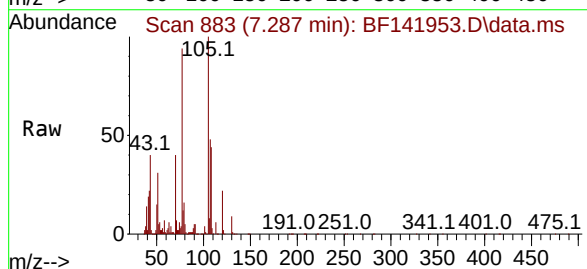
Ion Ratio Lower Upper

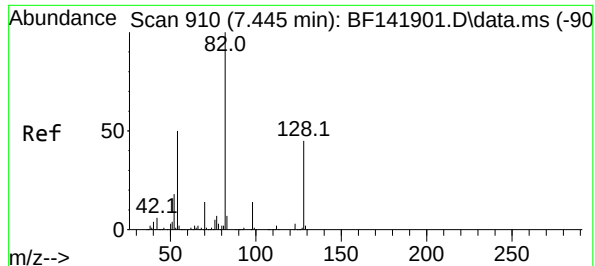
105 100

71 6.6 5.8 8.8

51 30.9 23.4 35.0

120 21.9 17.3 25.9





#23

Nitrobenzene-d5

Concen: 77.641 ng

RT: 7.439 min Scan# 909

Delta R.T. -0.006 min

Lab File: BF141953.D

Acq: 13 Mar 2025 21:09

Instrument :

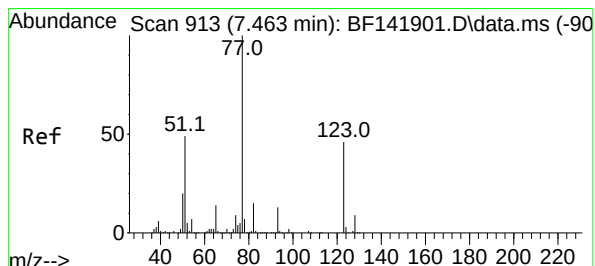
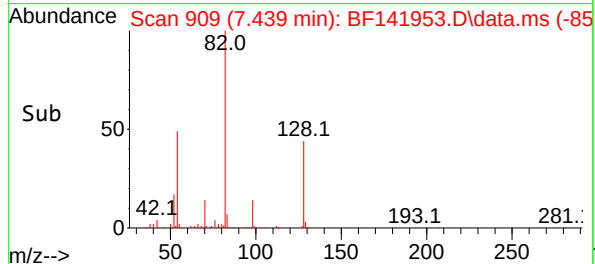
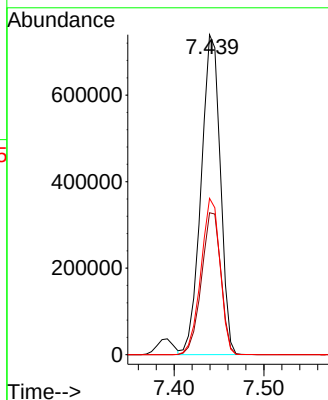
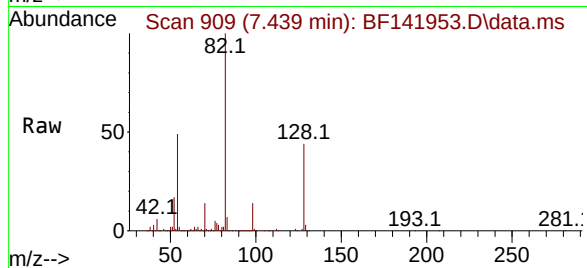
BNA_F

ClientSampleId :

SSTDCCC040EC

Tgt Ion: 82 Resp: 1099994

Ion	Ratio	Lower	Upper
82	100		
128	44.4	36.0	54.0
54	48.8	39.6	59.4



#24

Nitrobenzene

Concen: 38.665 ng

RT: 7.463 min Scan# 913

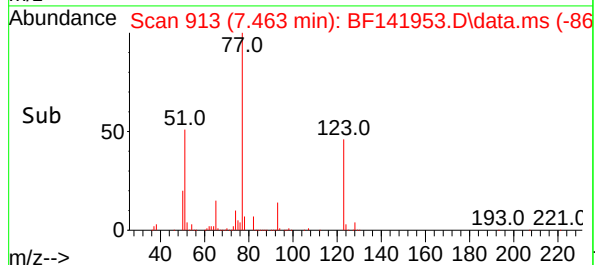
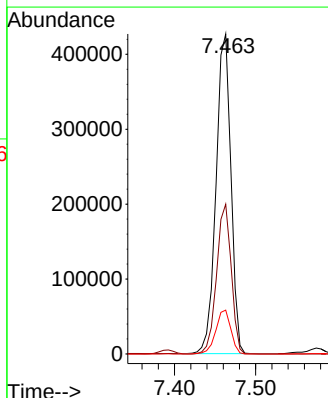
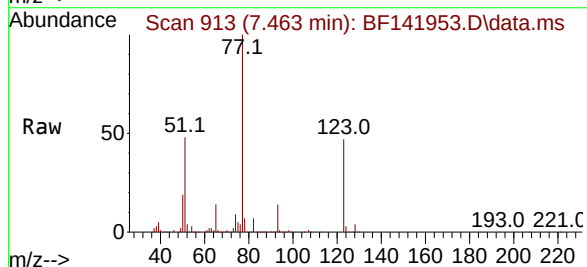
Delta R.T. 0.000 min

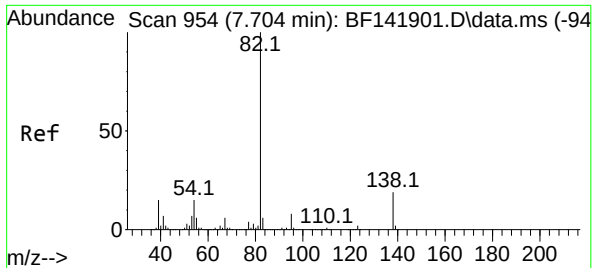
Lab File: BF141953.D

Acq: 13 Mar 2025 21:09

Tgt Ion: 77 Resp: 544573

Ion	Ratio	Lower	Upper
77	100		
123	46.8	37.0	55.4
65	13.7	11.3	16.9

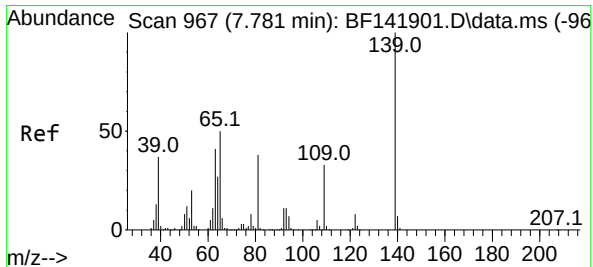
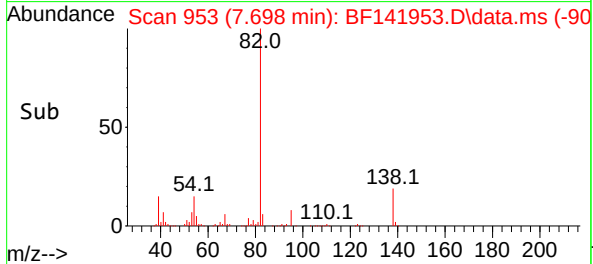
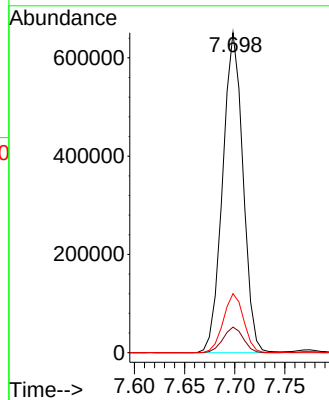
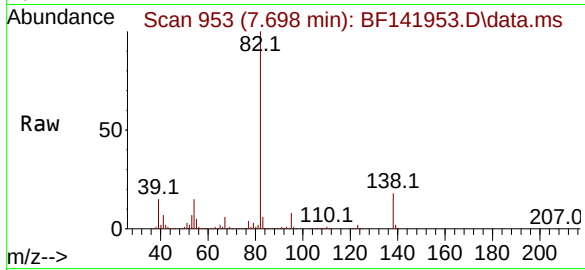




#25
Isophorone
Concen: 36.716 ng
RT: 7.698 min Scan# 915
Delta R.T. -0.006 min
Lab File: BF141953.D
Acq: 13 Mar 2025 21:09

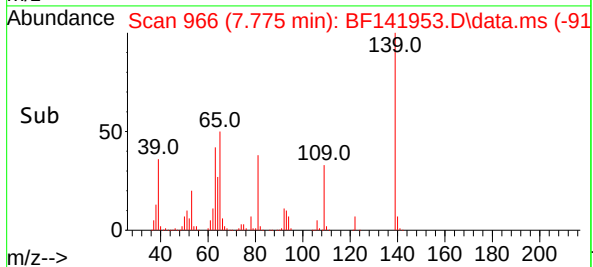
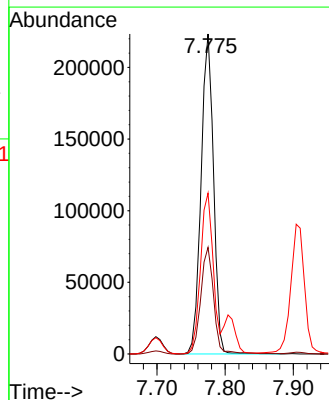
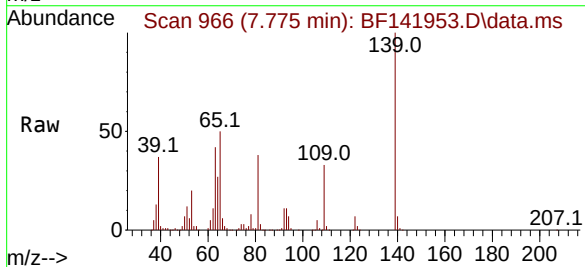
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

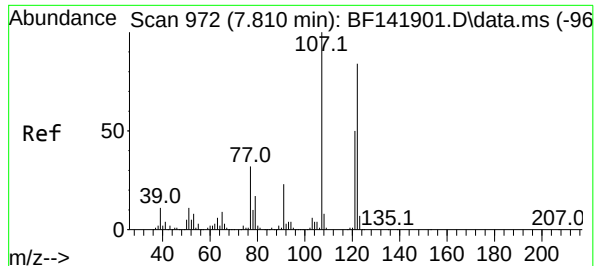
Tgt Ion: 82 Resp: 919502
Ion Ratio Lower Upper
82 100
95 8.0 6.4 9.6
138 18.4 14.9 22.3



#26
2-Nitrophenol
Concen: 41.017 ng
RT: 7.775 min Scan# 966
Delta R.T. -0.006 min
Lab File: BF141953.D
Acq: 13 Mar 2025 21:09

Tgt Ion: 139 Resp: 283537
Ion Ratio Lower Upper
139 100
109 33.3 26.5 39.7
65 50.2 40.3 60.5





#27

2,4-Dimethylphenol

Concen: 37.628 ng

RT: 7.804 min Scan# 91

Delta R.T. -0.006 min

Lab File: BF141953.D

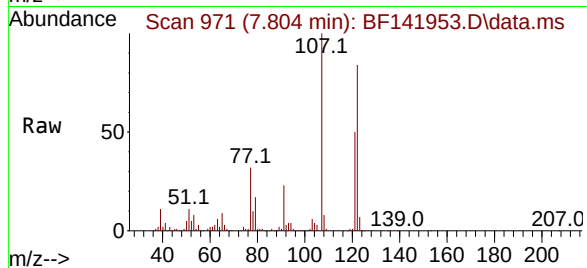
Acq: 13 Mar 2025 21:09

Instrument :

BNA_F

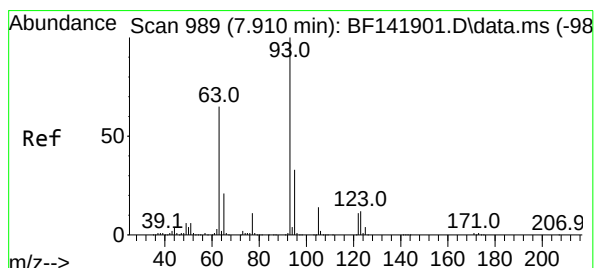
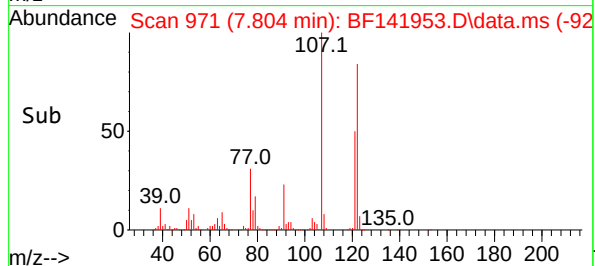
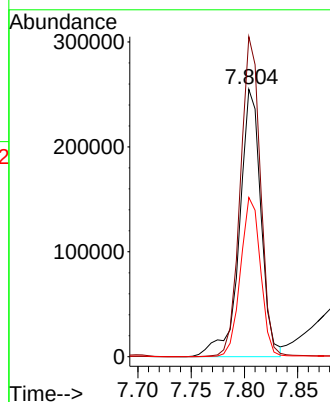
ClientSampleId :

SSTDCCC040EC



Tgt Ion:122 Resp: 358162

Ion	Ratio	Lower	Upper
122	100		
107	119.7	94.8	142.2
121	59.5	47.8	71.6



#28

bis(2-Chloroethoxy)methane

Concen: 36.904 ng

RT: 7.904 min Scan# 988

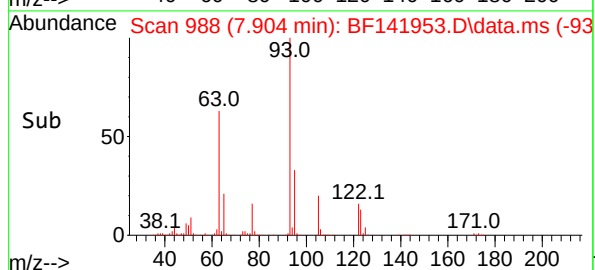
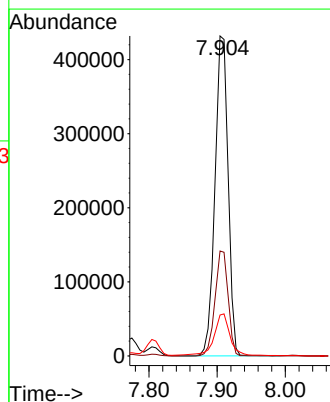
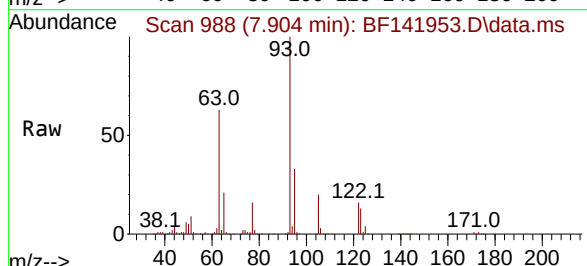
Delta R.T. -0.006 min

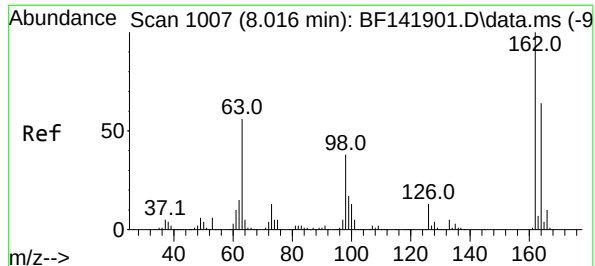
Lab File: BF141953.D

Acq: 13 Mar 2025 21:09

Tgt Ion: 93 Resp: 579672

Ion	Ratio	Lower	Upper
93	100		
95	32.8	26.6	40.0
123	12.8	10.2	15.4





#29

2,4-Dichlorophenol

Concen: 38.562 ng

RT: 8.010 min Scan# 1006

Delta R.T. -0.006 min

Lab File: BF141953.D

Acq: 13 Mar 2025 21:09

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040EC

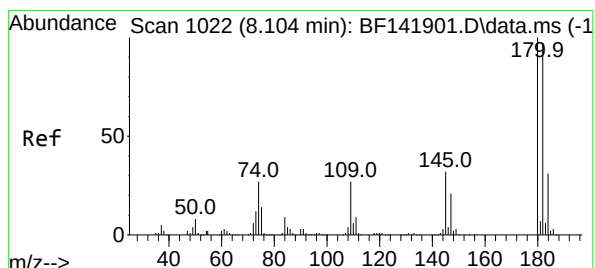
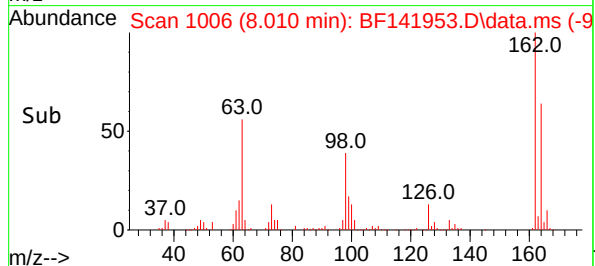
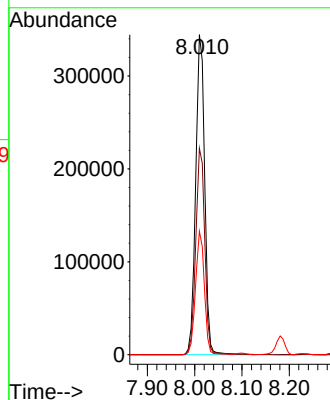
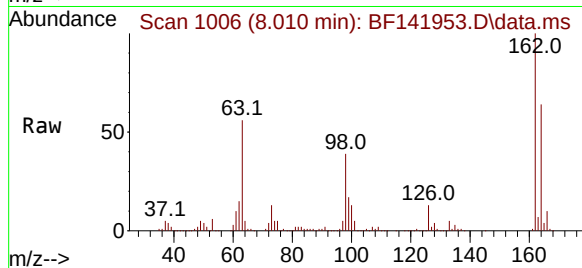
Tgt Ion:162 Resp: 455594

Ion Ratio Lower Upper

162 100

164 64.5 43.8 83.8

98 38.5 18.1 58.1



#30

1,2,4-Trichlorobenzene

Concen: 38.479 ng

RT: 8.098 min Scan# 1021

Delta R.T. -0.006 min

Lab File: BF141953.D

Acq: 13 Mar 2025 21:09

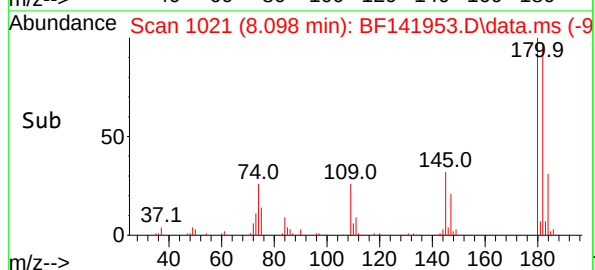
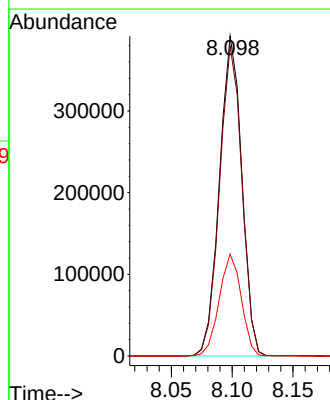
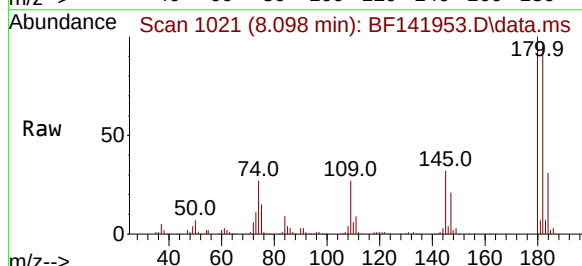
Tgt Ion:180 Resp: 500991

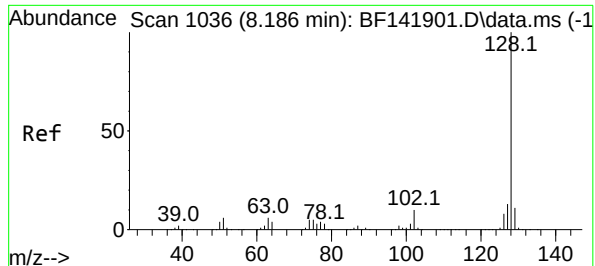
Ion Ratio Lower Upper

180 100

182 96.8 77.5 116.3

145 31.8 25.8 38.6





#31

Naphthalene

Concen: 37.762 ng

RT: 8.181 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF141953.D

Acq: 13 Mar 2025 21:09

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040EC

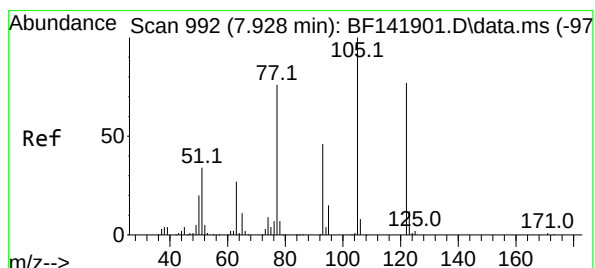
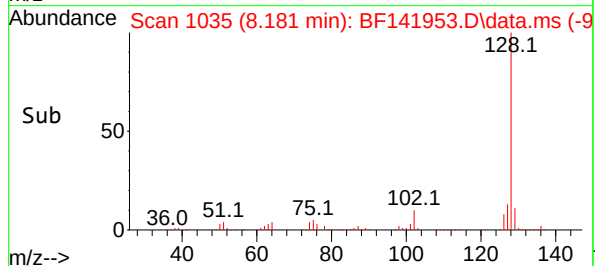
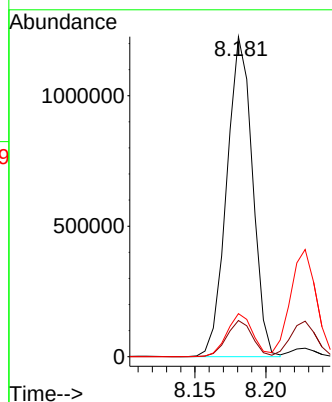
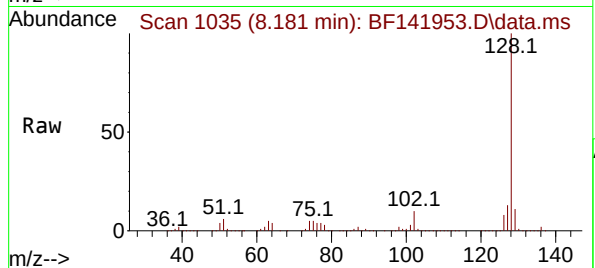
Tgt Ion:128 Resp: 1546595

Ion Ratio Lower Upper

128 100

129 11.3 9.0 13.6

127 13.5 10.8 16.2



#32

Benzoic acid

Concen: 41.409 ng

RT: 7.922 min Scan# 991

Delta R.T. -0.006 min

Lab File: BF141953.D

Acq: 13 Mar 2025 21:09

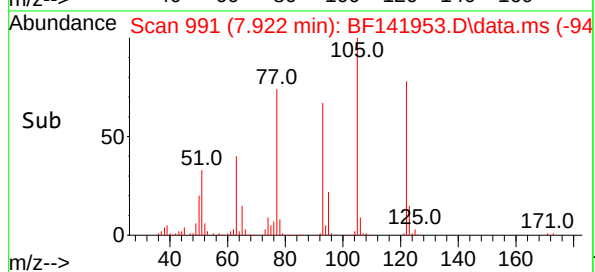
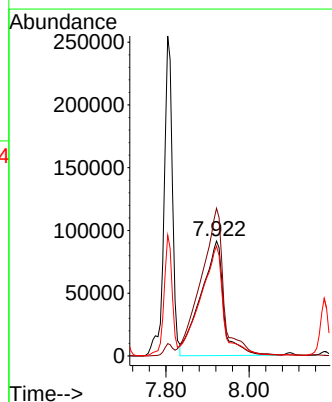
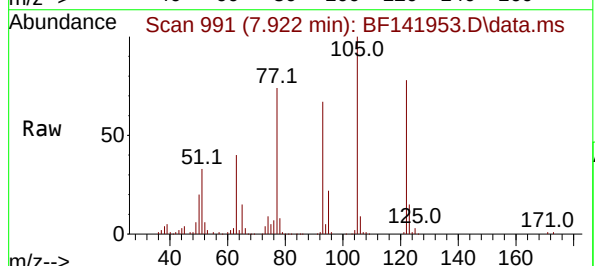
Tgt Ion:122 Resp: 346469

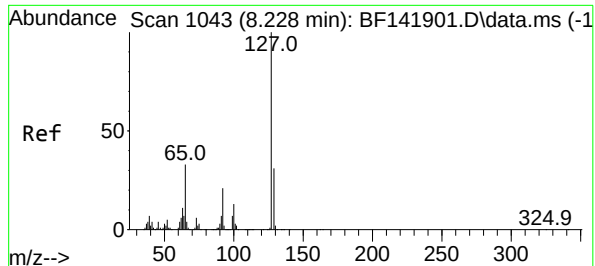
Ion Ratio Lower Upper

122 100

105 128.5 107.9 147.9

77 95.7 79.0 119.0





#33

4-Chloroaniline

Concen: 36.422 ng

RT: 8.228 min Scan# 1043

Delta R.T. 0.000 min

Lab File: BF141953.D

Acq: 13 Mar 2025 21:09

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040EC

Tgt Ion:127 Resp: 526586

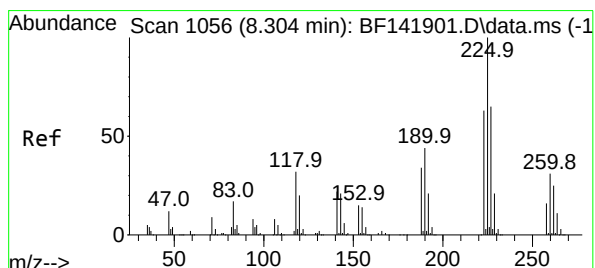
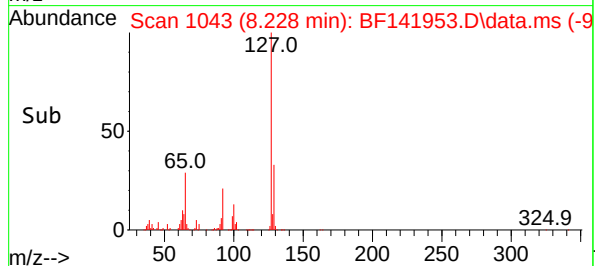
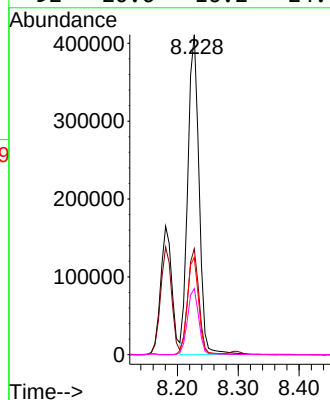
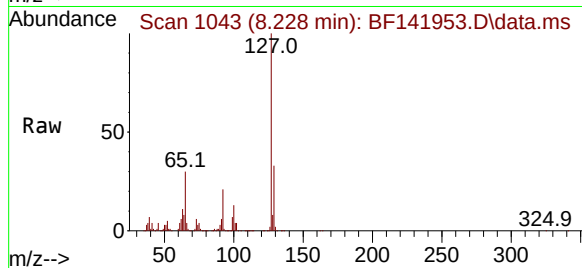
Ion Ratio Lower Upper

127 100

129 33.1 26.2 39.4

65 30.3 25.4 38.2

92 20.6 16.2 24.4



#34

Hexachlorobutadiene

Concen: 39.285 ng

RT: 8.298 min Scan# 1055

Delta R.T. -0.006 min

Lab File: BF141953.D

Acq: 13 Mar 2025 21:09

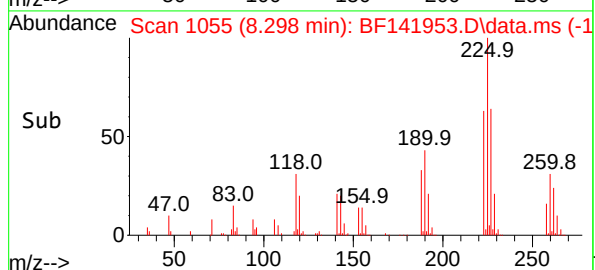
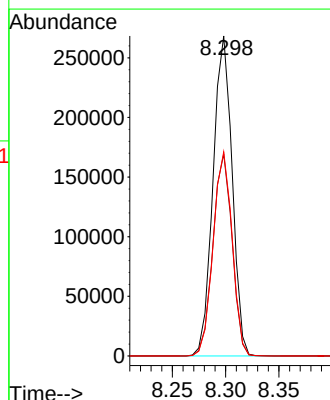
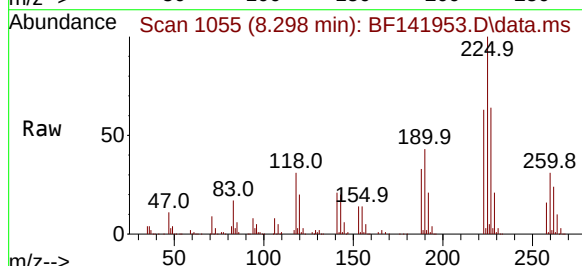
Tgt Ion:225 Resp: 333569

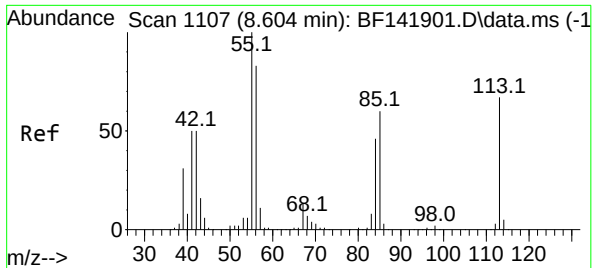
Ion Ratio Lower Upper

225 100

223 63.1 50.6 75.8

227 63.8 52.2 78.2





#35

Caprolactam

Concen: 36.067 ng

RT: 8.604 min Scan# 1107

Delta R.T. 0.000 min

Lab File: BF141953.D

Acq: 13 Mar 2025 21:09

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040EC

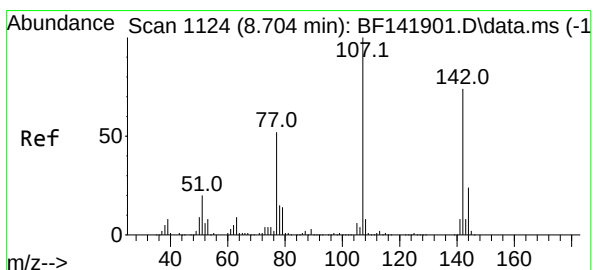
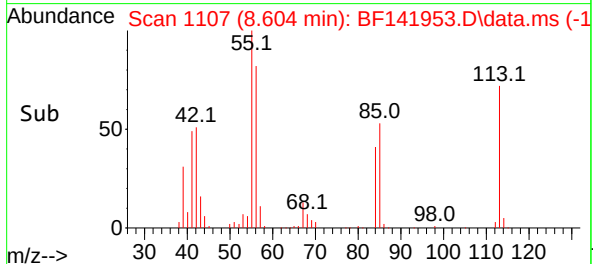
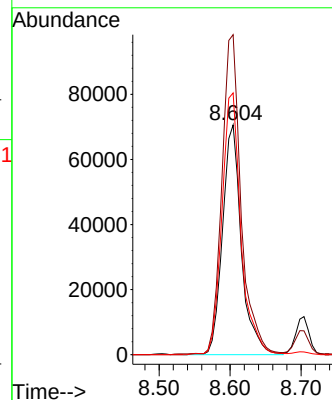
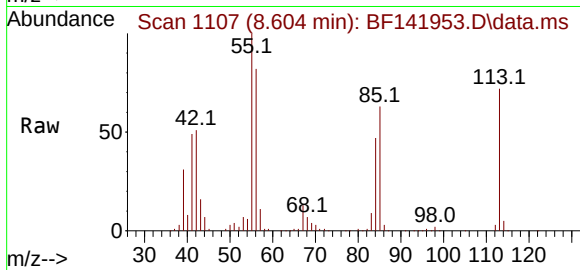
Tgt Ion:113 Resp: 129912

Ion Ratio Lower Upper

113 100

55 139.3 129.6 169.6

56 113.9 104.0 144.0



#36

4-Chloro-3-methylphenol

Concen: 36.745 ng

RT: 8.704 min Scan# 1124

Delta R.T. 0.000 min

Lab File: BF141953.D

Acq: 13 Mar 2025 21:09

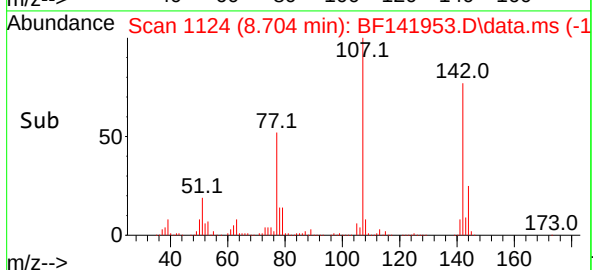
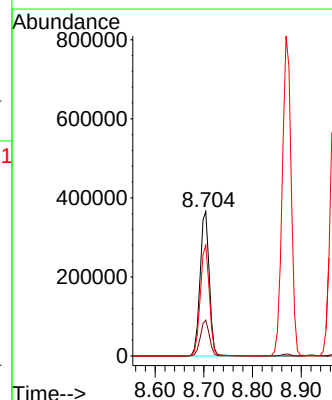
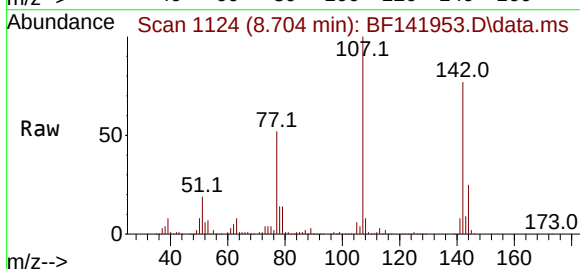
Tgt Ion:107 Resp: 484274

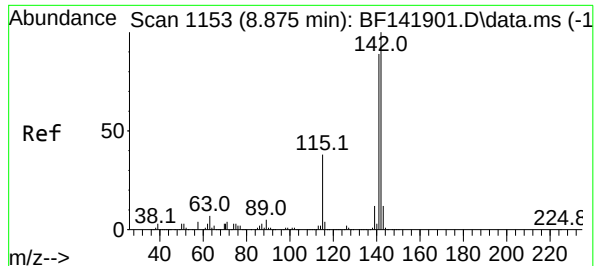
Ion Ratio Lower Upper

107 100

144 24.8 19.0 28.6

142 76.6 59.2 88.8

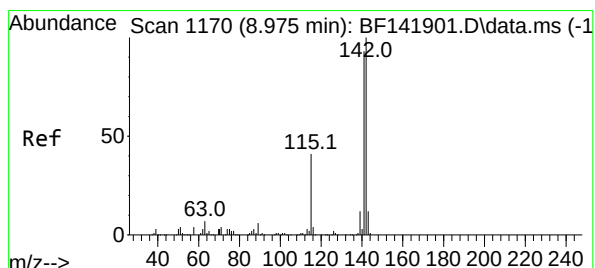
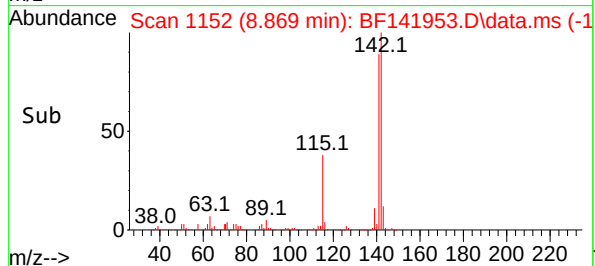
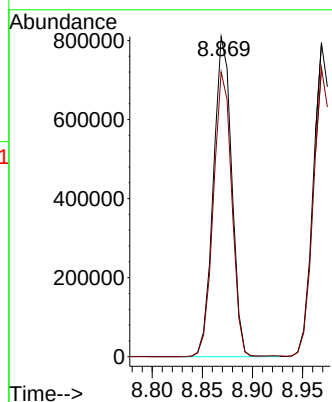
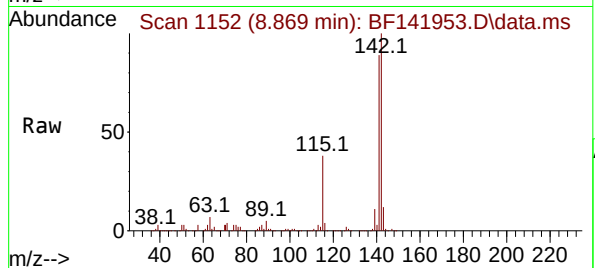




#37
2-Methylnaphthalene
Concen: 37.594 ng
RT: 8.869 min Scan# 1153
Delta R.T. -0.006 min
Lab File: BF141953.D
Acq: 13 Mar 2025 21:09

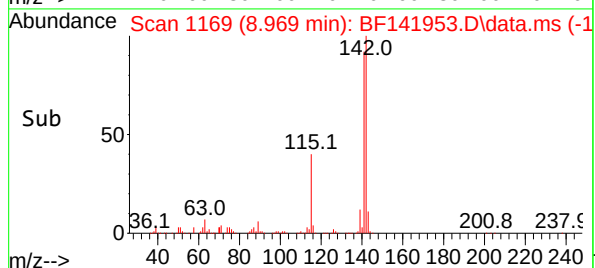
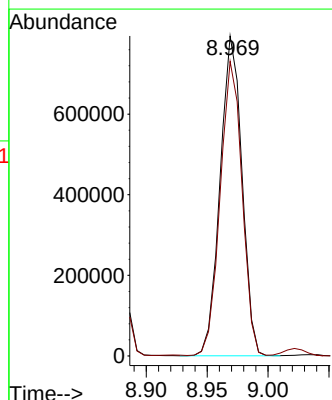
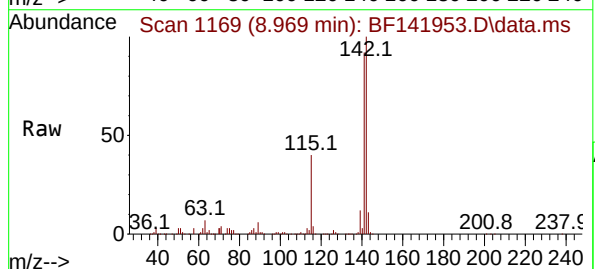
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

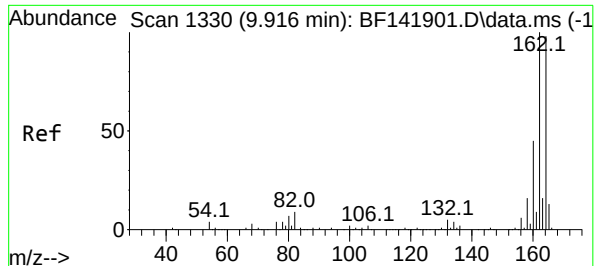
Tgt Ion:142 Resp: 1029160
Ion Ratio Lower Upper
142 100
141 89.0 71.2 106.8



#38
1-Methylnaphthalene
Concen: 37.573 ng
RT: 8.969 min Scan# 1169
Delta R.T. -0.006 min
Lab File: BF141953.D
Acq: 13 Mar 2025 21:09

Tgt Ion:142 Resp: 992564
Ion Ratio Lower Upper
142 100
141 92.0 74.2 111.4





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.916 min Scan# 1180

Delta R.T. -0.000 min

Lab File: BF141953.D

Acq: 13 Mar 2025 21:09

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040EC

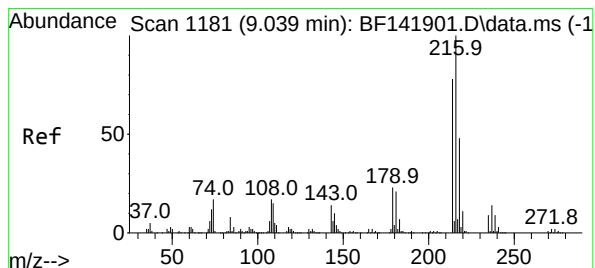
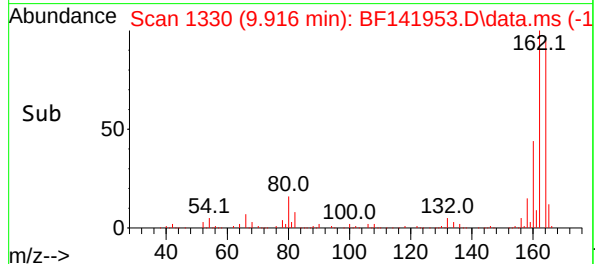
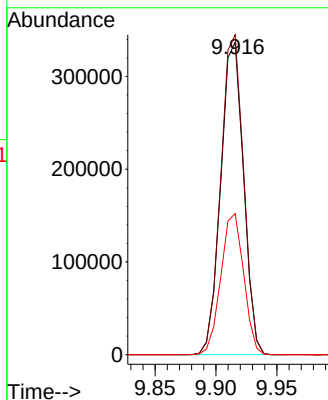
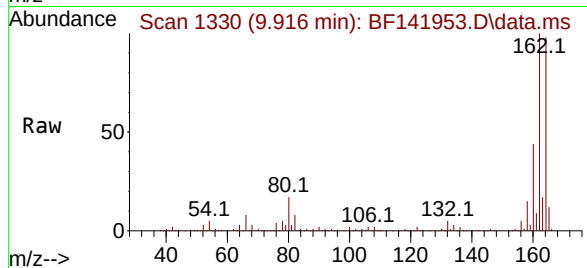
Tgt Ion:164 Resp: 438637

Ion Ratio Lower Upper

164 100

162 102.5 81.8 122.6

160 45.2 36.7 55.1



#40

1,2,4,5-Tetrachlorobenzene

Concen: 39.716 ng

RT: 9.033 min Scan# 1180

Delta R.T. -0.006 min

Lab File: BF141953.D

Acq: 13 Mar 2025 21:09

Tgt Ion:216 Resp: 530397

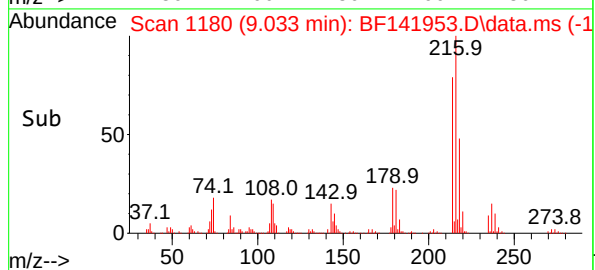
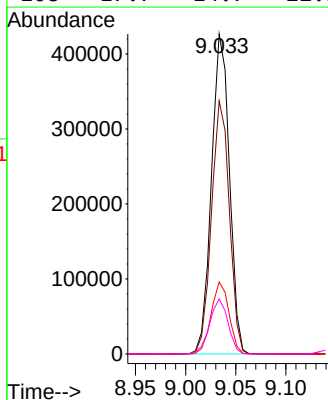
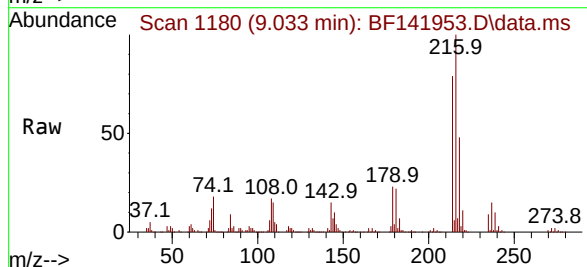
Ion Ratio Lower Upper

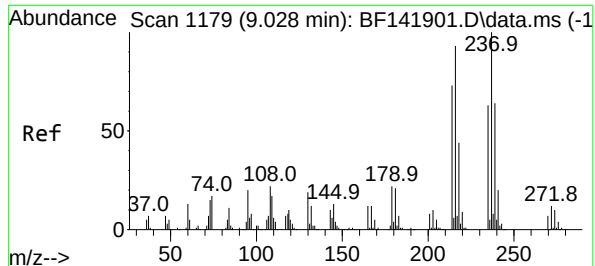
216 100

214 78.9 61.9 92.9

179 22.3 18.1 27.1

108 17.7 14.7 22.1





#41

Hexachlorocyclopentadiene

Concen: 35.715 ng

RT: 9.022 min Scan# 1179

Delta R.T. -0.006 min

Lab File: BF141953.D

Acq: 13 Mar 2025 21:09

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040EC

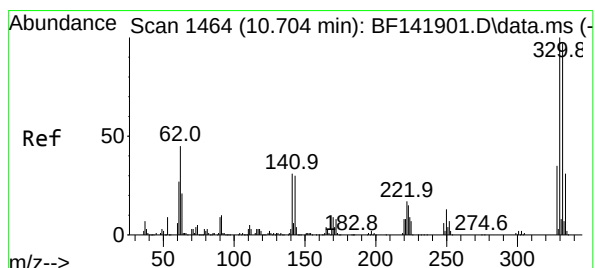
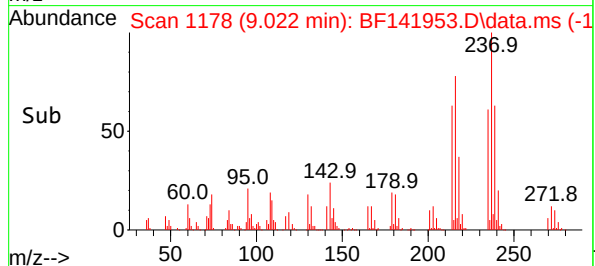
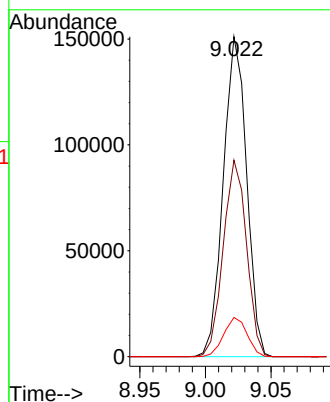
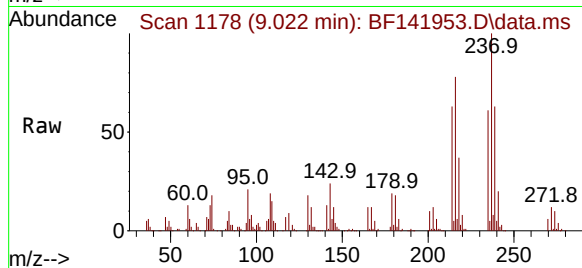
Tgt Ion:237 Resp: 186666

Ion Ratio Lower Upper

237 100

235 61.4 43.1 83.1

272 12.3 0.0 32.0



#42

2,4,6-Tribromophenol

Concen: 76.588 ng

RT: 10.704 min Scan# 1464

Delta R.T. 0.000 min

Lab File: BF141953.D

Acq: 13 Mar 2025 21:09

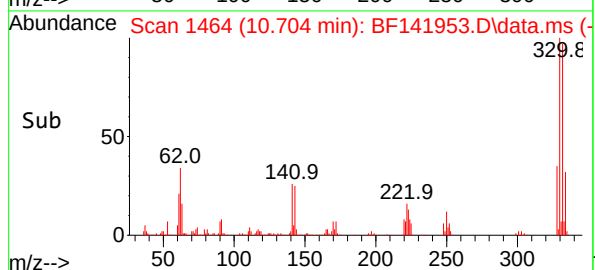
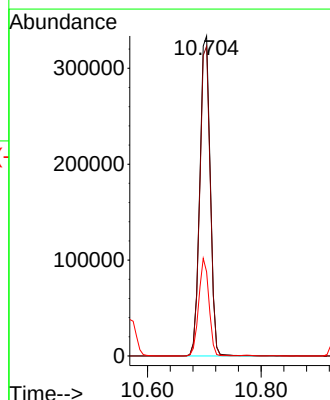
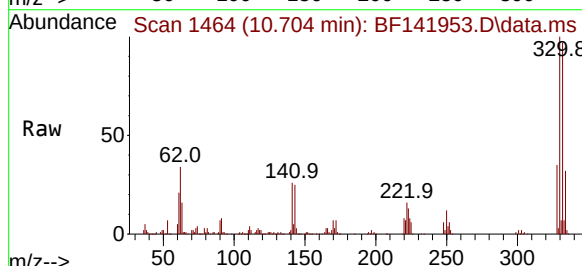
Tgt Ion:330 Resp: 426191

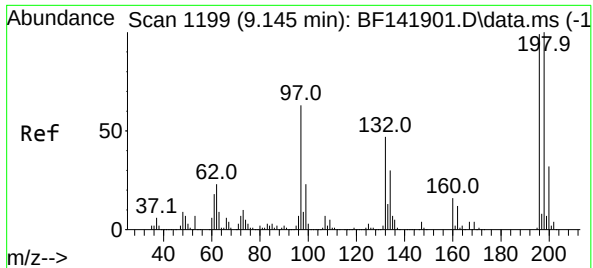
Ion Ratio Lower Upper

330 100

332 96.8 77.6 116.4

141 29.9 24.7 37.1





#43

2,4,6-Trichlorophenol

Concen: 38.476 ng

RT: 9.145 min Scan# 1199

Delta R.T. 0.000 min

Lab File: BF141953.D

Acq: 13 Mar 2025 21:09

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040EC

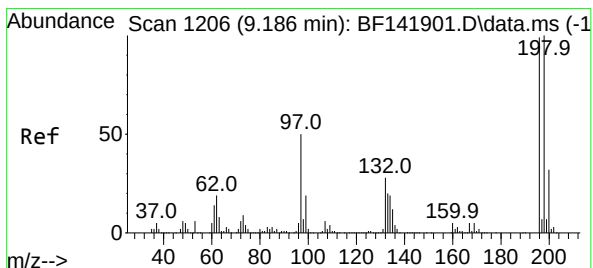
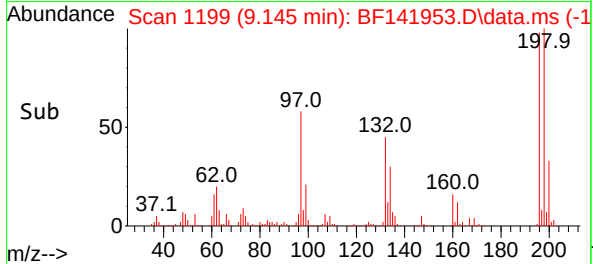
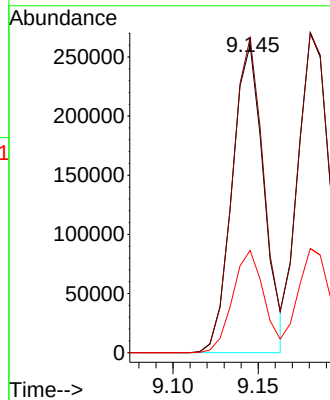
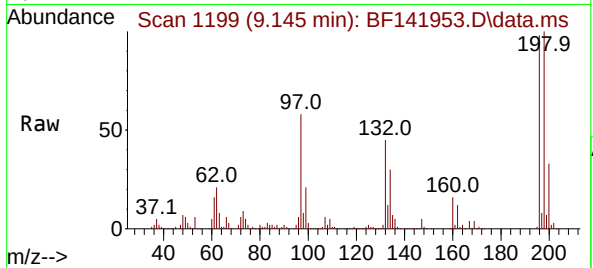
Tgt Ion:196 Resp: 335808

Ion Ratio Lower Upper

196 100

198 102.2 80.6 121.0

200 33.2 25.8 38.6



#44

2,4,5-Trichlorophenol

Concen: 39.534 ng

RT: 9.181 min Scan# 1205

Delta R.T. -0.006 min

Lab File: BF141953.D

Acq: 13 Mar 2025 21:09

Tgt Ion:196 Resp: 349464

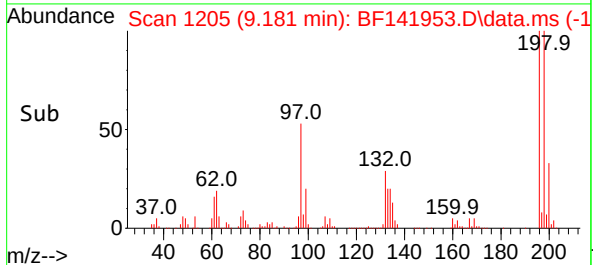
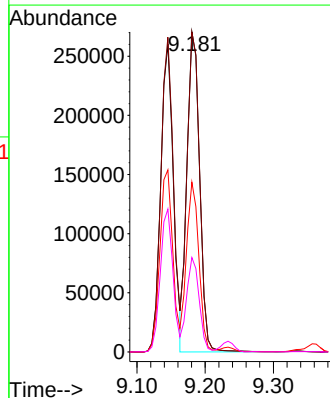
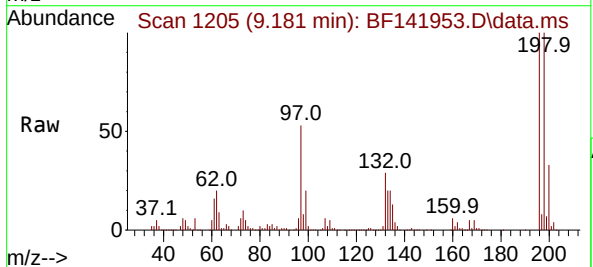
Ion Ratio Lower Upper

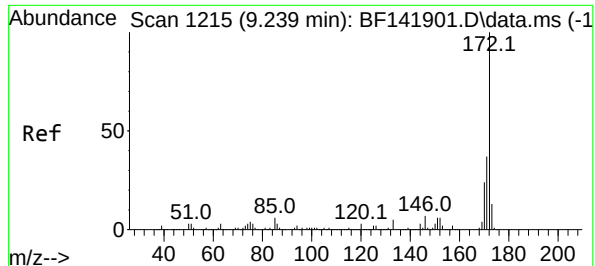
196 100

198 99.9 80.7 121.1

97 53.1 42.1 63.1

132 29.5 23.4 35.2





#45

2-Fluorobiphenyl

Concen: 77.566 ng

RT: 9.233 min Scan# 1214

Delta R.T. -0.006 min

Lab File: BF141953.D

Acq: 13 Mar 2025 21:09

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040EC

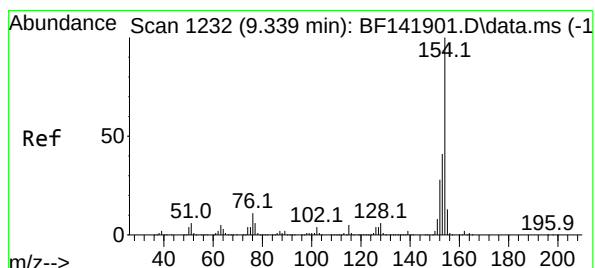
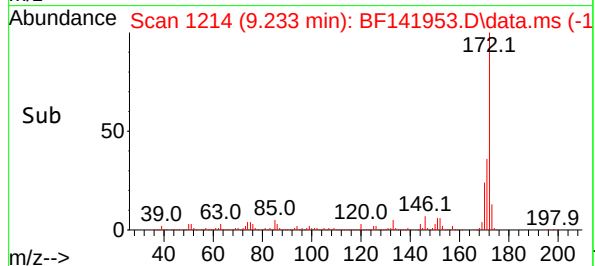
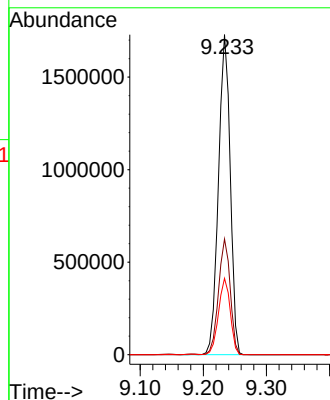
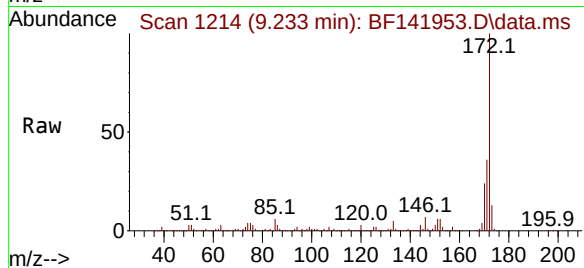
Tgt Ion:172 Resp: 2237192

Ion Ratio Lower Upper

172 100

171 36.2 29.3 43.9

170 23.9 19.4 29.0



#46

1,1'-Biphenyl

Concen: 38.622 ng

RT: 9.333 min Scan# 1231

Delta R.T. -0.006 min

Lab File: BF141953.D

Acq: 13 Mar 2025 21:09

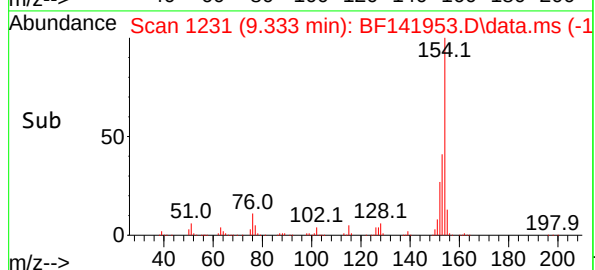
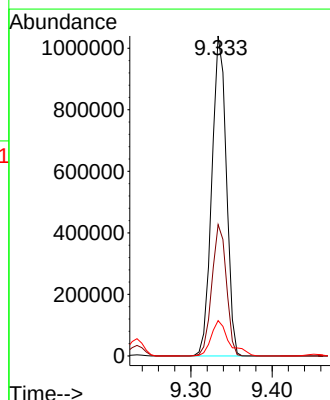
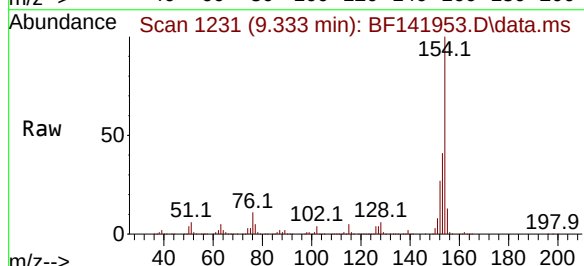
Tgt Ion:154 Resp: 1287208

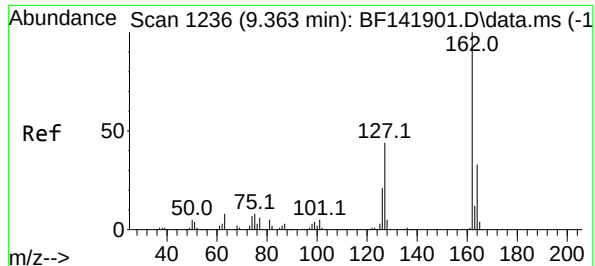
Ion Ratio Lower Upper

154 100

153 41.0 21.1 61.1

76 11.0 0.0 31.3





#47

2-Chloronaphthalene

Concen: 38.450 ng

RT: 9.363 min Scan# 11

Delta R.T. 0.000 min

Lab File: BF141953.D

Acq: 13 Mar 2025 21:09

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040EC

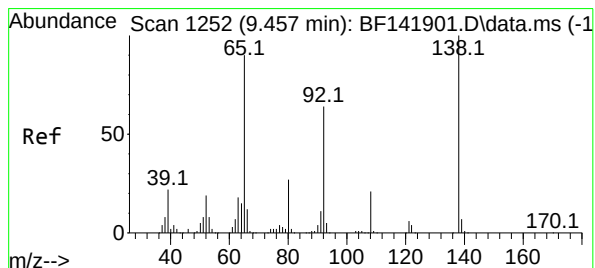
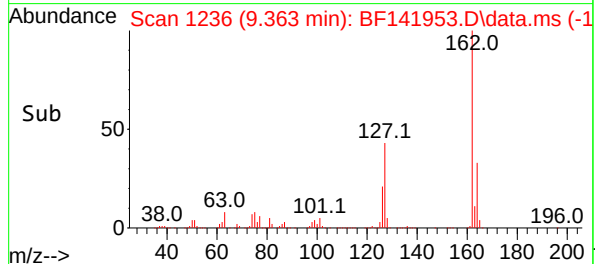
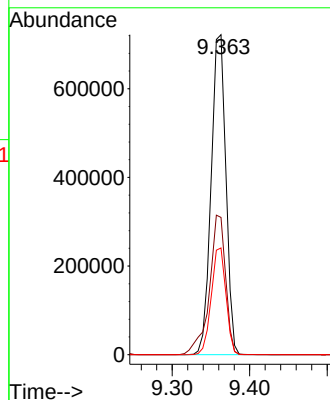
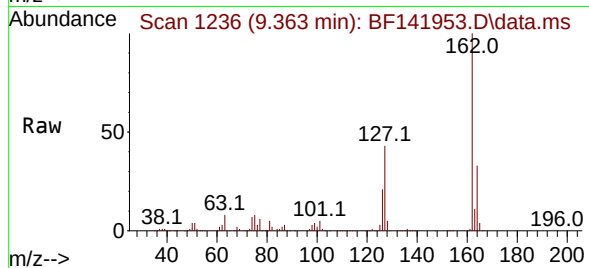
Tgt Ion:162 Resp: 955147

Ion Ratio Lower Upper

162 100

127 42.9 35.5 53.3

164 33.3 26.6 40.0



#48

2-Nitroaniline

Concen: 37.940 ng

RT: 9.451 min Scan# 1251

Delta R.T. -0.006 min

Lab File: BF141953.D

Acq: 13 Mar 2025 21:09

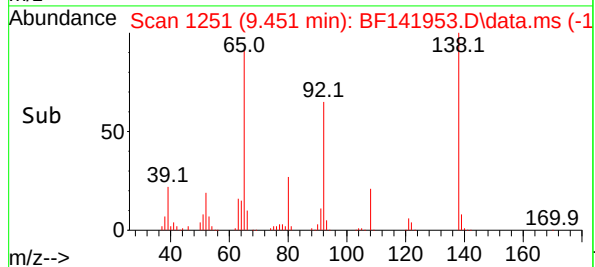
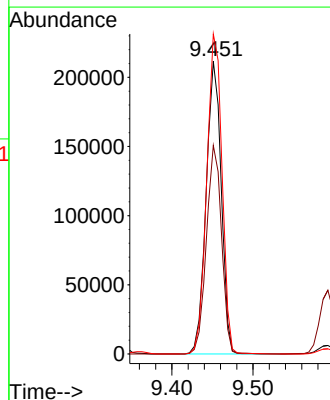
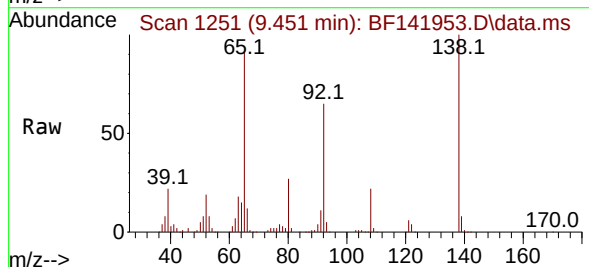
Tgt Ion: 65 Resp: 272886

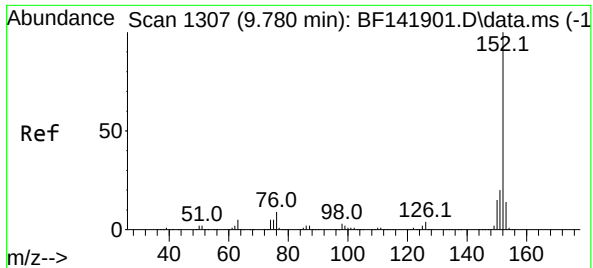
Ion Ratio Lower Upper

65 100

92 71.2 56.6 84.8

138 109.3 88.6 133.0





#49

Acenaphthylene

Concen: 37.930 ng

RT: 9.775 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF141953.D

Acq: 13 Mar 2025 21:09

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040EC

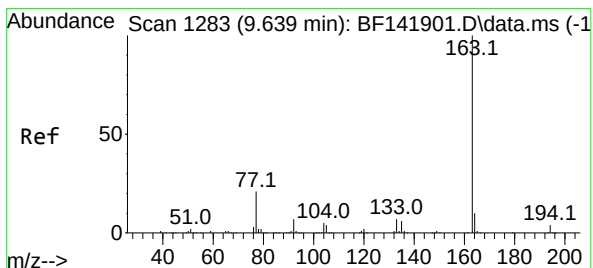
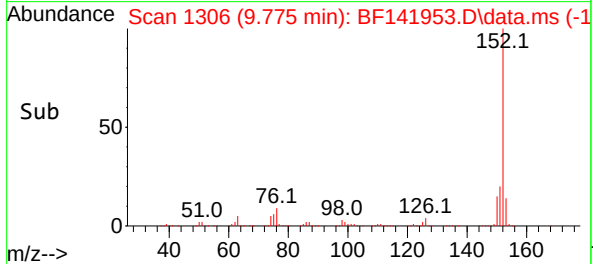
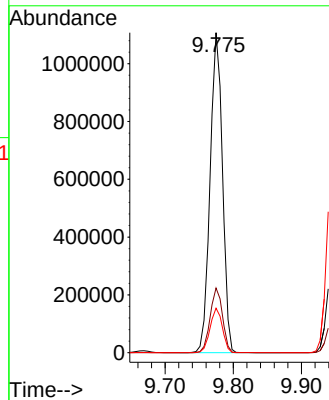
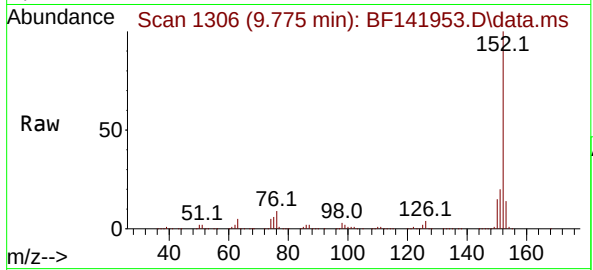
Tgt Ion:152 Resp: 1398235

Ion Ratio Lower Upper

152 100

151 20.2 16.3 24.5

153 13.9 11.1 16.7



#50

Dimethylphthalate

Concen: 37.405 ng

RT: 9.633 min Scan# 1282

Delta R.T. -0.006 min

Lab File: BF141953.D

Acq: 13 Mar 2025 21:09

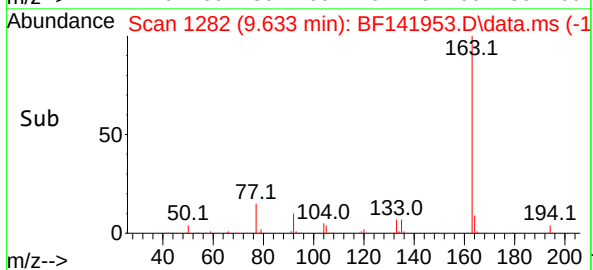
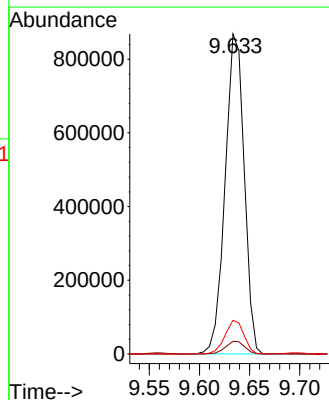
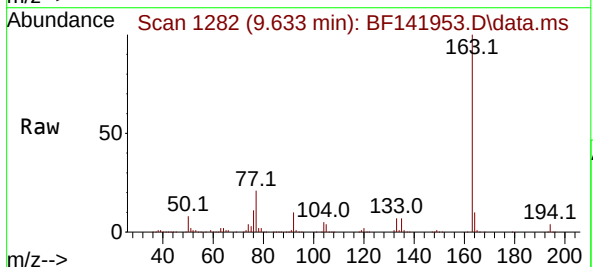
Tgt Ion:163 Resp: 1148971

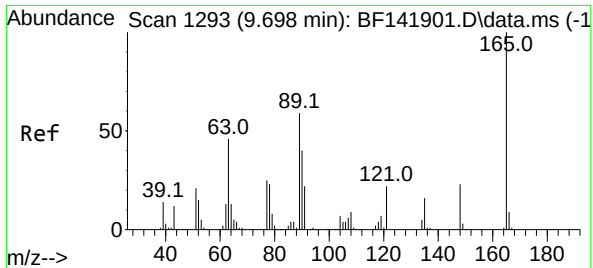
Ion Ratio Lower Upper

163 100

194 3.9 3.1 4.7

164 10.5 8.2 12.4

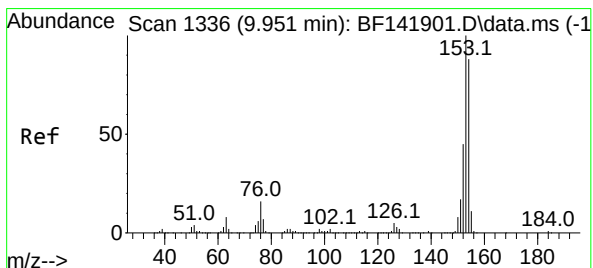
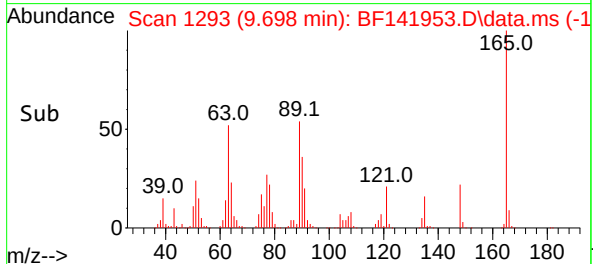
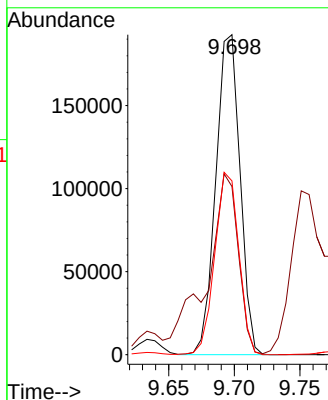
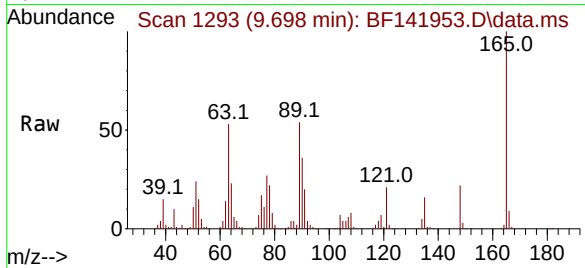




#51
2,6-Dinitrotoluene
Concen: 38.696 ng
RT: 9.698 min Scan# 1293
Delta R.T. 0.000 min
Lab File: BF141953.D
Acq: 13 Mar 2025 21:09

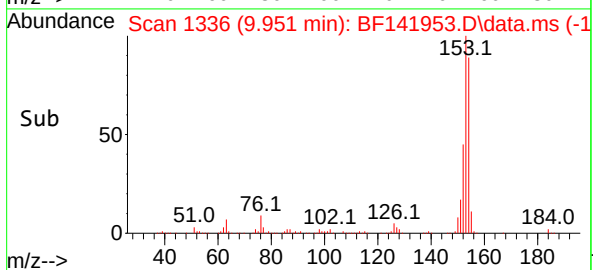
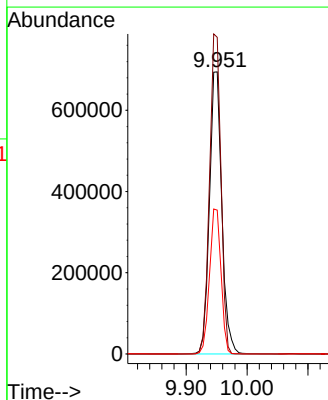
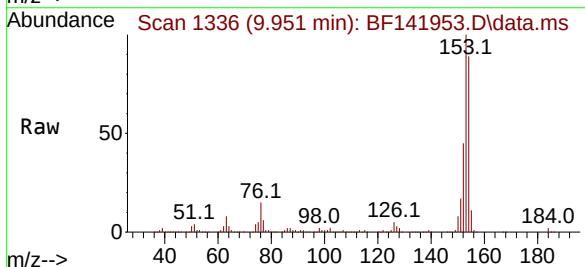
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

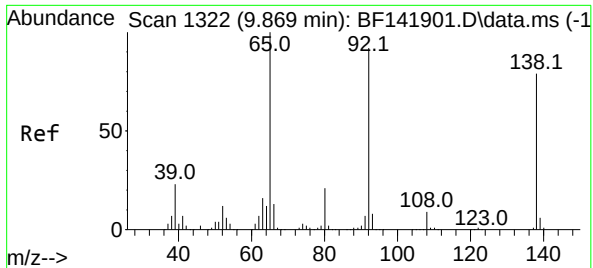
Tgt Ion:165 Resp: 247482
Ion Ratio Lower Upper
165 100
63 52.6 47.0 70.4
89 54.3 47.4 71.2



#52
Acenaphthene
Concen: 37.812 ng
RT: 9.951 min Scan# 1336
Delta R.T. 0.000 min
Lab File: BF141953.D
Acq: 13 Mar 2025 21:09

Tgt Ion:154 Resp: 979564
Ion Ratio Lower Upper
154 100
153 112.3 90.7 136.1
152 51.0 41.1 61.7

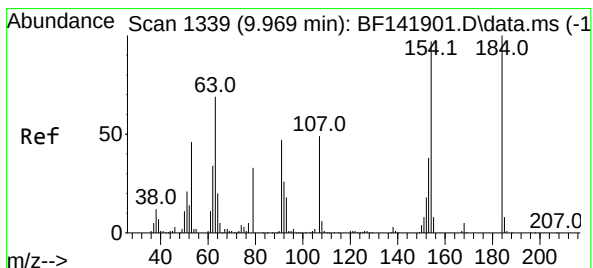
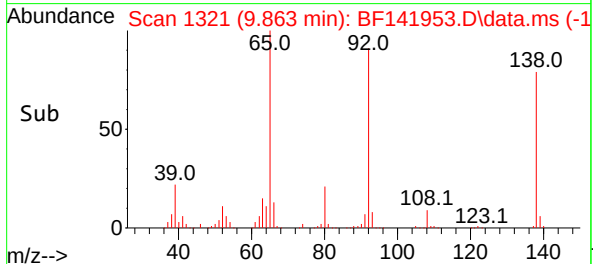
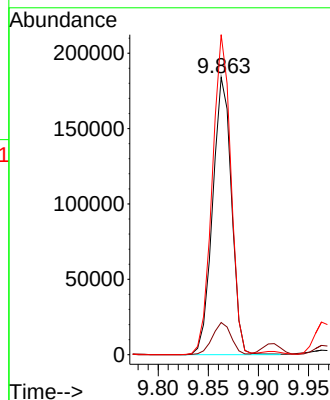
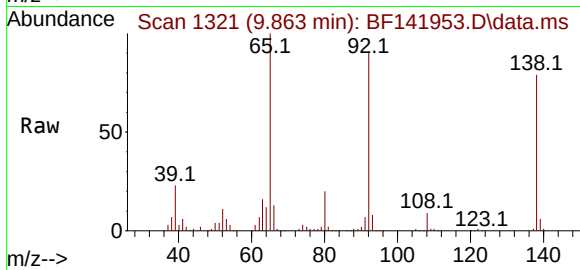




#53
3-Nitroaniline
Concen: 36.980 ng
RT: 9.863 min Scan# 1321
Delta R.T. -0.006 min
Lab File: BF141953.D
Acq: 13 Mar 2025 21:09

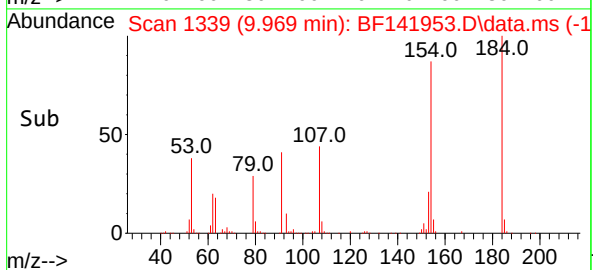
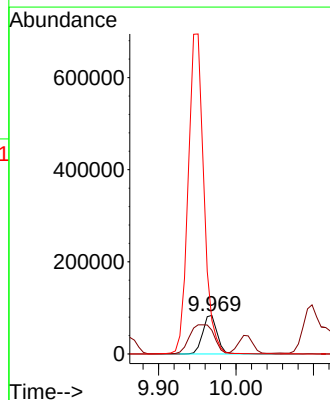
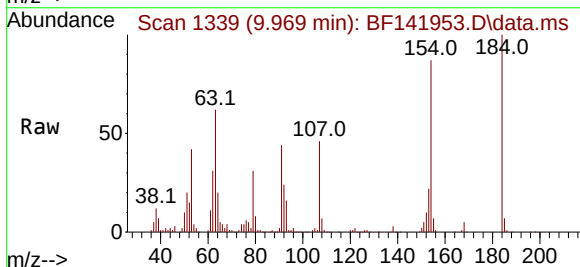
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

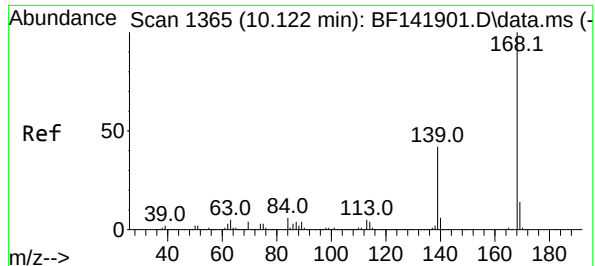
Tgt Ion:138 Resp: 239904
Ion Ratio Lower Upper
138 100
108 11.6 9.3 13.9
92 115.4 93.5 140.3



#54
2,4-Dinitrophenol
Concen: 34.138 ng
RT: 9.969 min Scan# 1339
Delta R.T. -0.000 min
Lab File: BF141953.D
Acq: 13 Mar 2025 21:09

Tgt Ion:184 Resp: 109128
Ion Ratio Lower Upper
184 100
63 61.6 60.2 90.4
154 87.1 132.9 199.3#





#55

Dibenzofuran

Concen: 37.366 ng

RT: 10.122 min Scan# 1365

Delta R.T. 0.000 min

Lab File: BF141953.D

Acq: 13 Mar 2025 21:09

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040EC

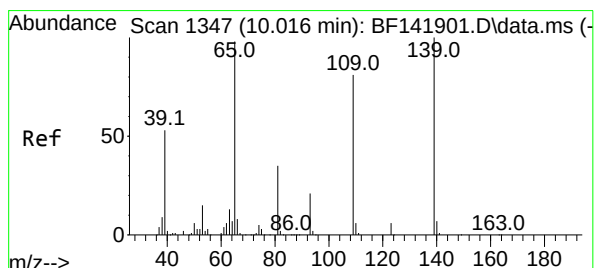
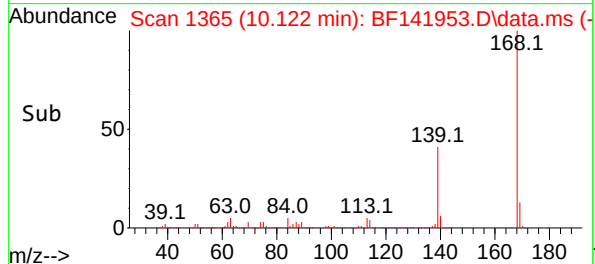
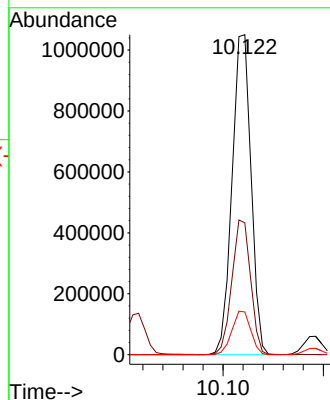
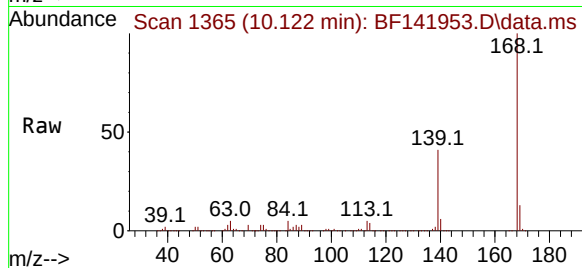
Tgt Ion:168 Resp: 1383152

Ion Ratio Lower Upper

168 100

139 41.2 33.9 50.9

169 13.4 11.0 16.4



#56

4-Nitrophenol

Concen: 37.303 ng

RT: 10.016 min Scan# 1347

Delta R.T. 0.000 min

Lab File: BF141953.D

Acq: 13 Mar 2025 21:09

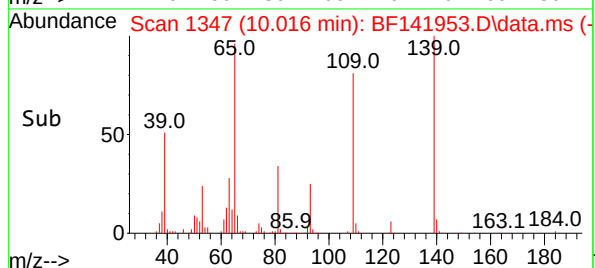
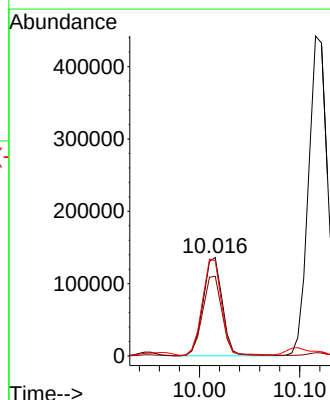
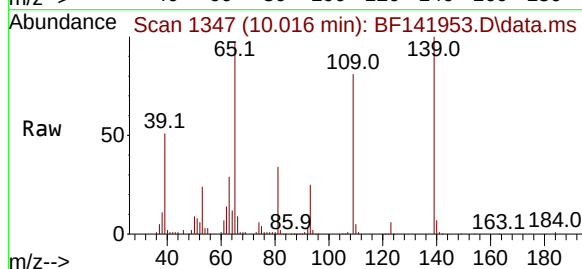
Tgt Ion:139 Resp: 182500

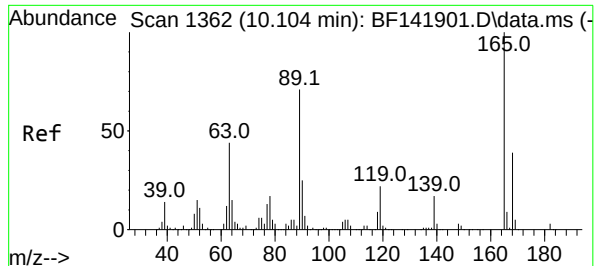
Ion Ratio Lower Upper

139 100

109 81.0 61.6 101.6

65 96.8 79.4 119.4

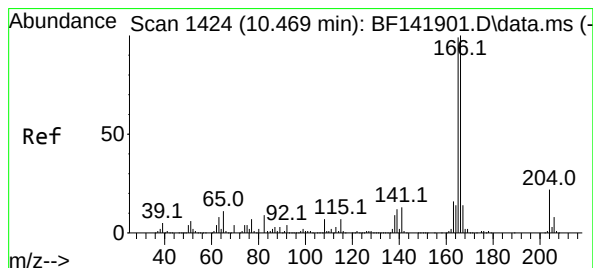
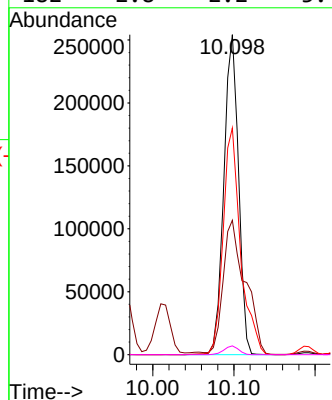
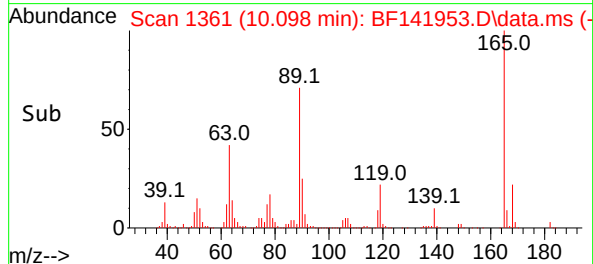
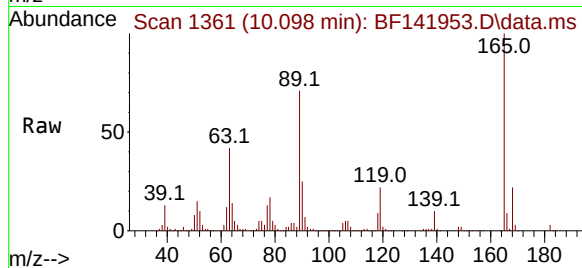




#57
2,4-Dinitrotoluene
Concen: 38.259 ng
RT: 10.098 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF141953.D
Acq: 13 Mar 2025 21:09

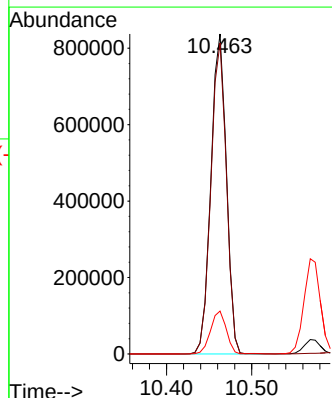
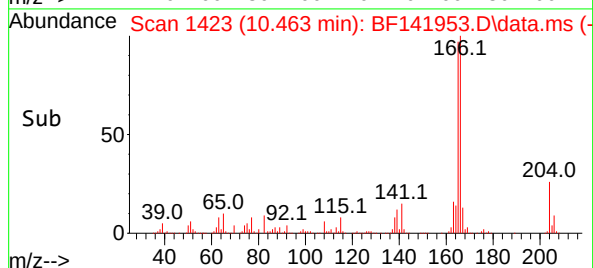
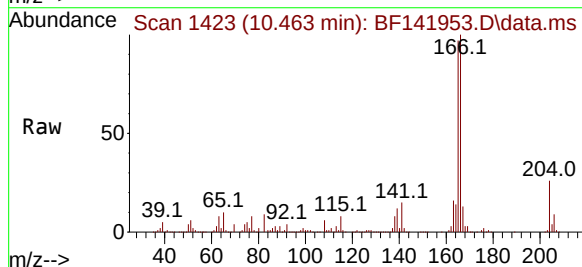
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

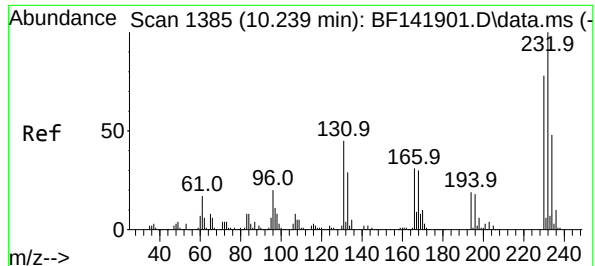
Tgt Ion:165 Resp: 319584
Ion Ratio Lower Upper
165 100
63 42.0 35.4 53.2
89 70.8 56.6 84.8
182 2.8 2.2 3.4



#58
Fluorene
Concen: 37.035 ng
RT: 10.463 min Scan# 1423
Delta R.T. -0.006 min
Lab File: BF141953.D
Acq: 13 Mar 2025 21:09

Tgt Ion:166 Resp: 1057192
Ion Ratio Lower Upper
166 100
165 97.2 79.0 118.4
167 13.4 11.0 16.4

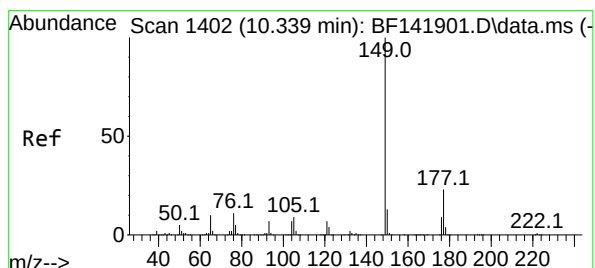
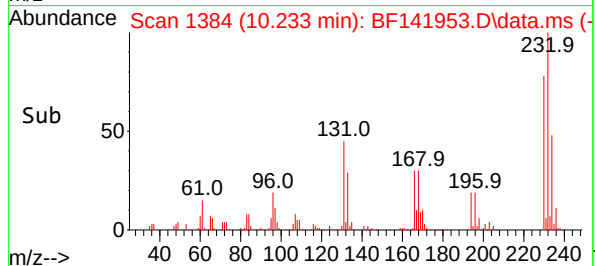
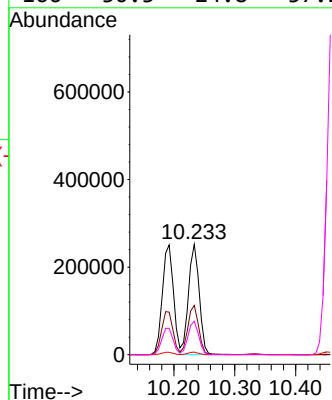
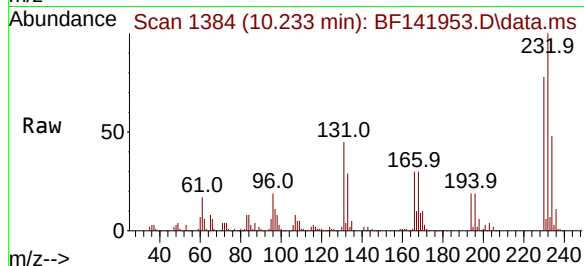




#59
2,3,4,6-Tetrachlorophenol
Concen: 38.297 ng
RT: 10.233 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF141953.D
Acq: 13 Mar 2025 21:09

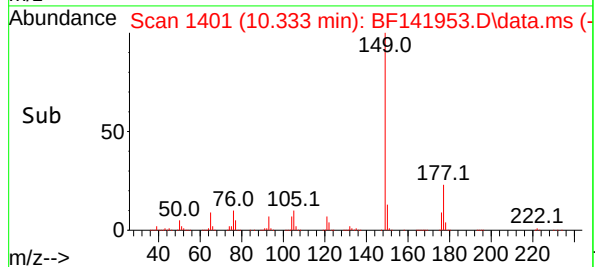
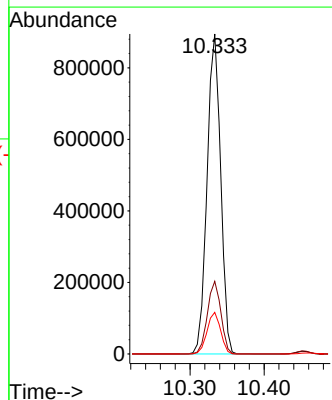
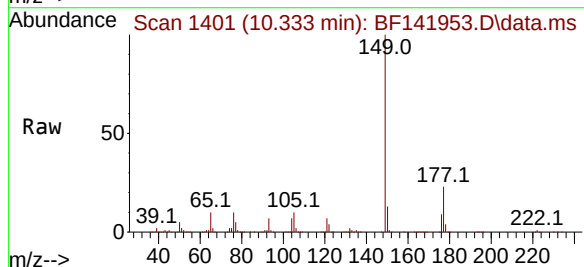
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

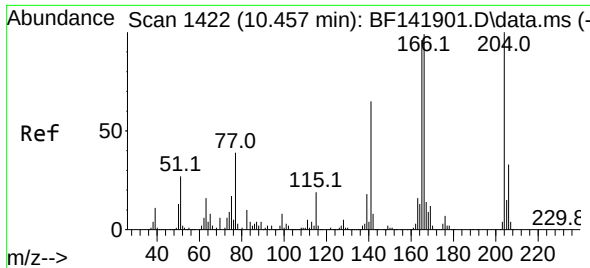
Tgt Ion:232 Resp: 308054
Ion Ratio Lower Upper
232 100
131 44.9 37.3 55.9
130 2.3 1.9 2.9
166 30.3 24.8 37.2



#60
Diethylphthalate
Concen: 37.182 ng
RT: 10.333 min Scan# 1401
Delta R.T. -0.006 min
Lab File: BF141953.D
Acq: 13 Mar 2025 21:09

Tgt Ion:149 Resp: 1138813
Ion Ratio Lower Upper
149 100
177 22.7 18.0 27.0
150 13.0 10.2 15.4

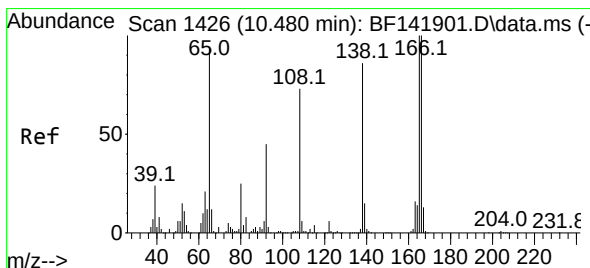
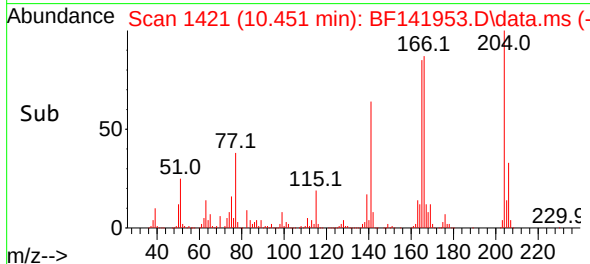
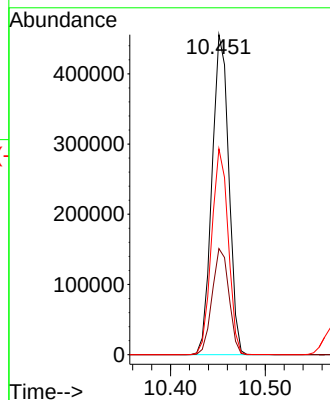
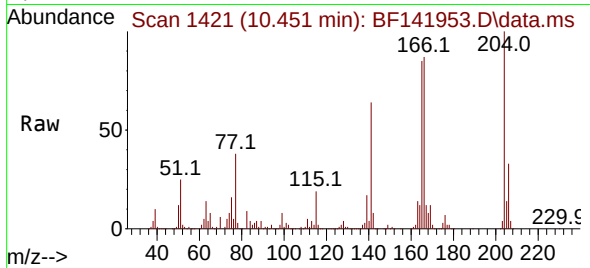




#61
4-Chlorophenyl-phenylether
Concen: 37.657 ng
RT: 10.451 min Scan# 1421
Delta R.T. -0.006 min
Lab File: BF141953.D
Acq: 13 Mar 2025 21:09

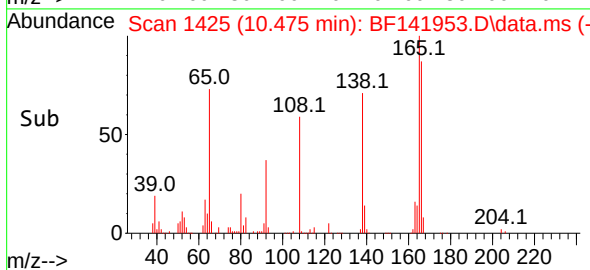
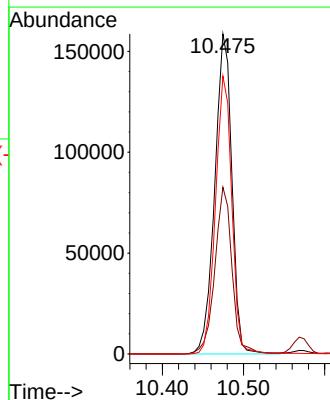
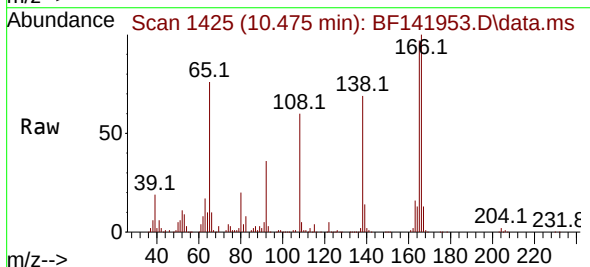
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

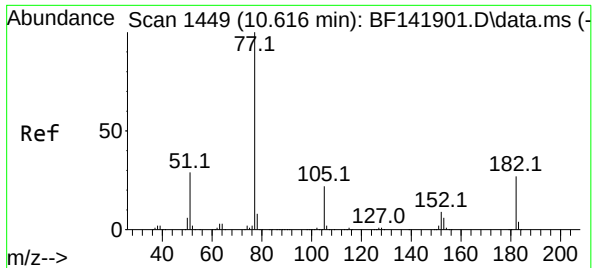
Tgt Ion:204 Resp: 560436
Ion Ratio Lower Upper
204 100
206 33.2 26.8 40.2
141 64.3 52.4 78.6



#62
4-Nitroaniline
Concen: 36.837 ng
RT: 10.475 min Scan# 1425
Delta R.T. -0.006 min
Lab File: BF141953.D
Acq: 13 Mar 2025 21:09

Tgt Ion:138 Resp: 232660
Ion Ratio Lower Upper
138 100
92 52.1 32.6 72.6
108 86.8 65.0 105.0

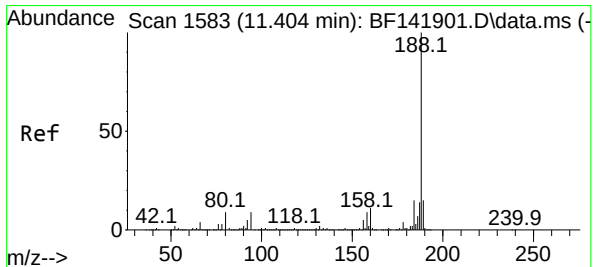
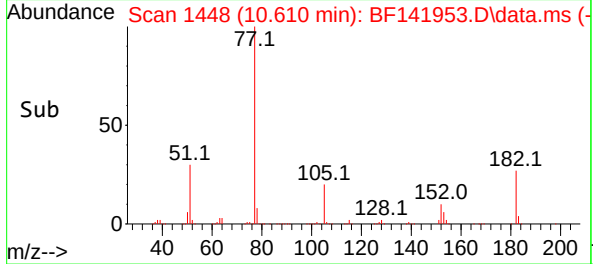
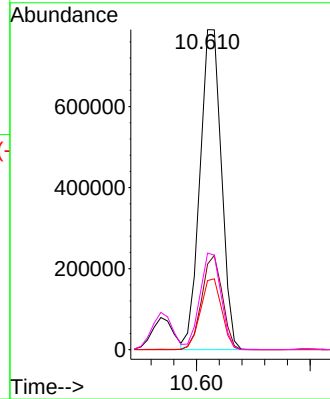
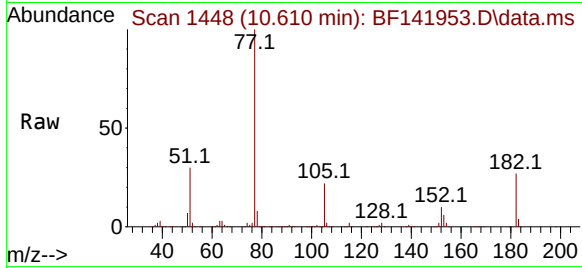




#63
Azobenzene
Concen: 36.354 ng
RT: 10.610 min Scan# 1449
Delta R.T. -0.006 min
Lab File: BF141953.D
Acq: 13 Mar 2025 21:09

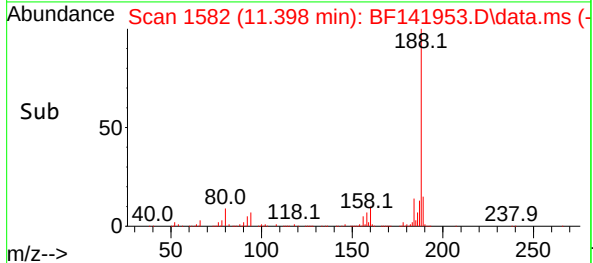
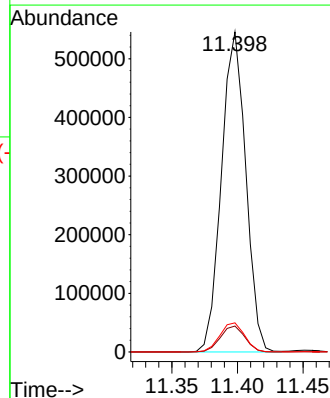
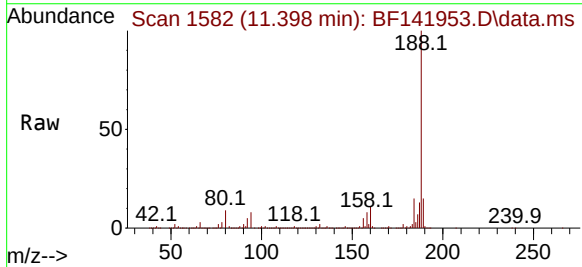
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

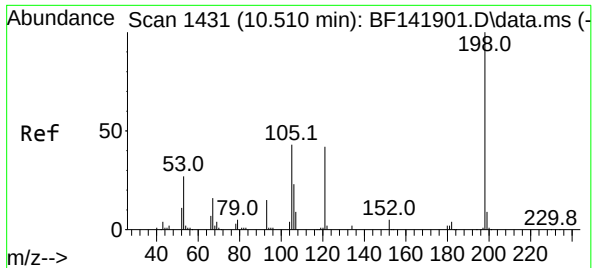
Tgt Ion: 77 Resp: 1035198
Ion Ratio Lower Upper
77 100
182 26.7 6.6 46.6
105 21.6 1.3 41.3
51 30.2 10.4 50.4



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.398 min Scan# 1582
Delta R.T. -0.006 min
Lab File: BF141953.D
Acq: 13 Mar 2025 21:09

Tgt Ion: 188 Resp: 703968
Ion Ratio Lower Upper
188 100
94 8.1 6.8 10.2
80 9.1 7.6 11.4

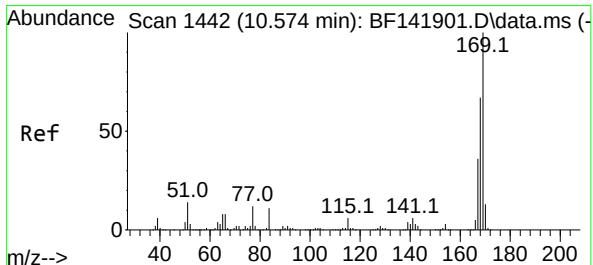
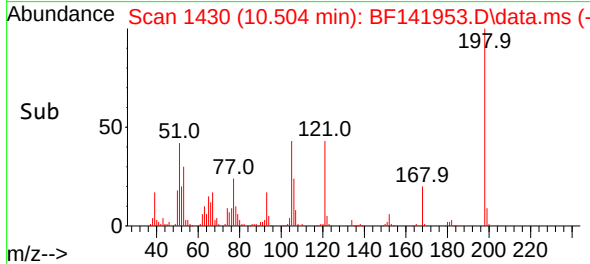
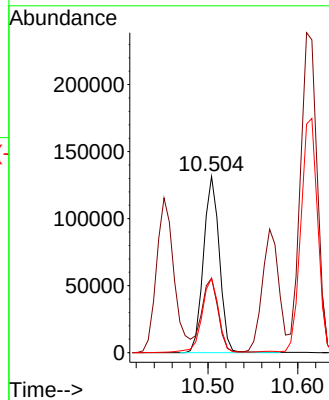
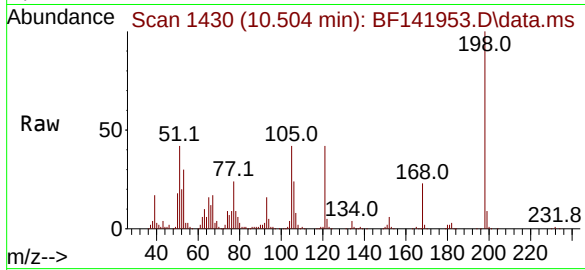




#65
4,6-Dinitro-2-methylphenol
Concen: 38.500 ng
RT: 10.504 min Scan# 1431
Delta R.T. -0.006 min
Lab File: BF141953.D
Acq: 13 Mar 2025 21:09

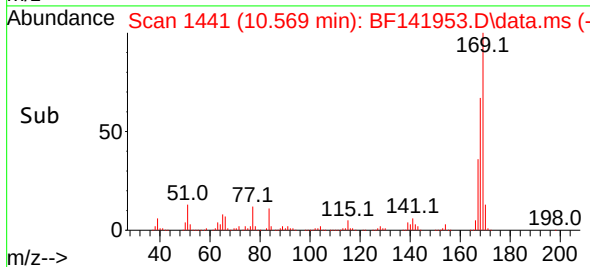
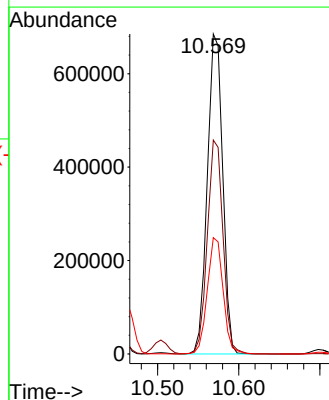
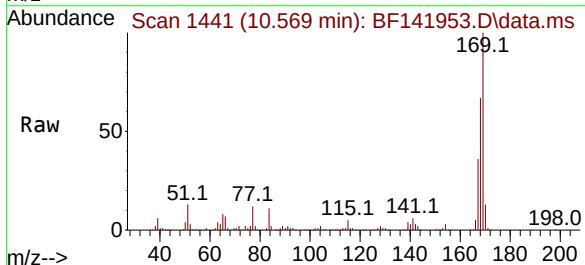
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

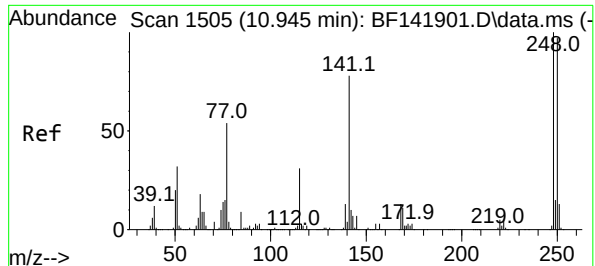
Tgt Ion:198 Resp: 161571
Ion Ratio Lower Upper
198 100
51 42.2 22.3 62.3
105 42.2 23.0 63.0



#66
n-Nitrosodiphenylamine
Concen: 39.492 ng
RT: 10.569 min Scan# 1441
Delta R.T. -0.006 min
Lab File: BF141953.D
Acq: 13 Mar 2025 21:09

Tgt Ion:169 Resp: 899665
Ion Ratio Lower Upper
169 100
168 66.8 53.7 80.5
167 36.3 29.2 43.8

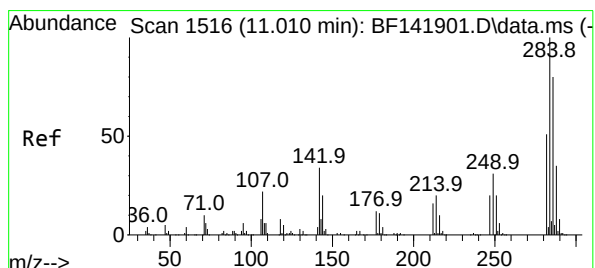
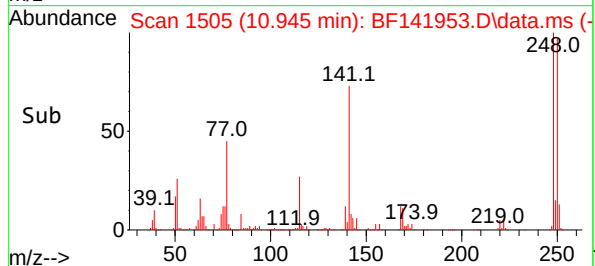
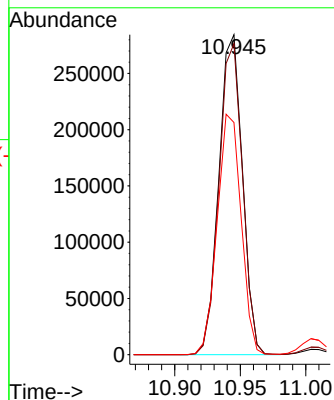
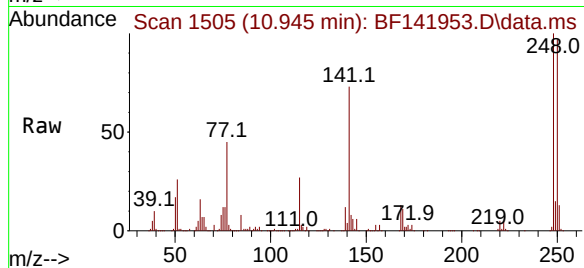




#67
4-Bromophenyl-phenylether
Concen: 40.315 ng
RT: 10.945 min Scan# 1505
Delta R.T. 0.000 min
Lab File: BF141953.D
Acq: 13 Mar 2025 21:09

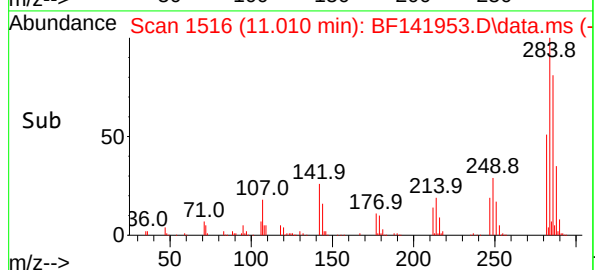
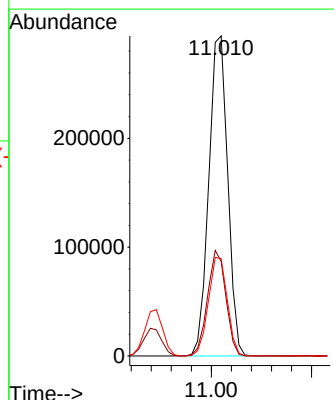
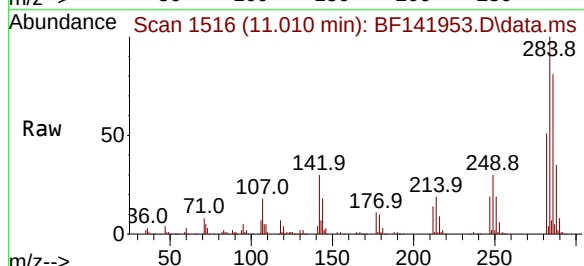
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

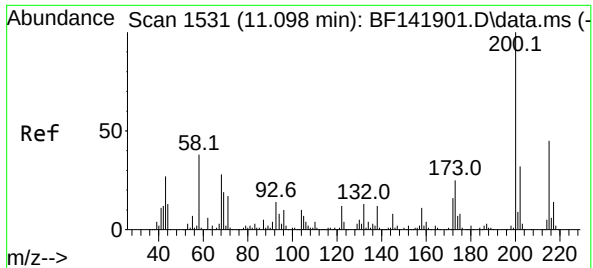
Tgt Ion:248 Resp: 356422
Ion Ratio Lower Upper
248 100
250 97.2 77.8 116.8
141 72.6 62.6 93.8



#68
Hexachlorobenzene
Concen: 39.753 ng
RT: 11.010 min Scan# 1516
Delta R.T. 0.000 min
Lab File: BF141953.D
Acq: 13 Mar 2025 21:09

Tgt Ion:284 Resp: 385468
Ion Ratio Lower Upper
284 100
142 29.5 27.0 40.6
249 30.4 25.2 37.8





#69

Atrazine

Concen: 32.534 ng

RT: 11.092 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF141953.D

Acq: 13 Mar 2025 21:09

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040EC

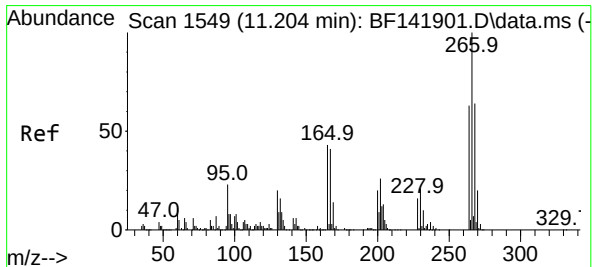
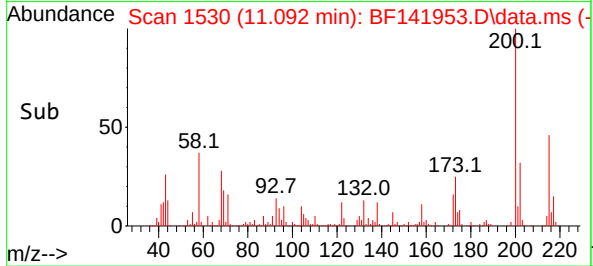
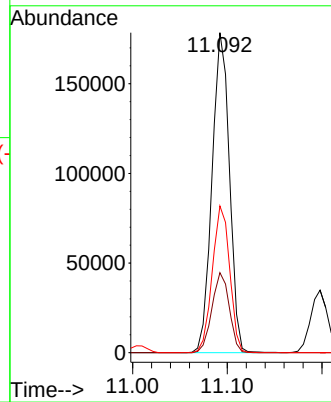
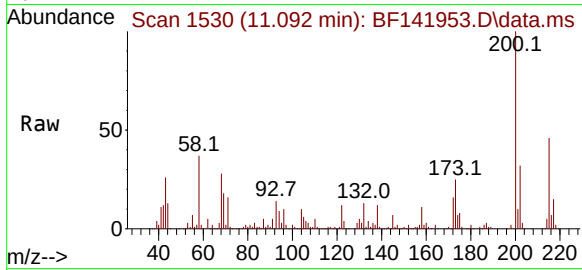
Tgt Ion:200 Resp: 227207

Ion Ratio Lower Upper

200 100

173 25.0 4.7 44.7

215 45.8 25.4 65.4



#70

Pentachlorophenol

Concen: 39.545 ng

RT: 11.198 min Scan# 1548

Delta R.T. -0.006 min

Lab File: BF141953.D

Acq: 13 Mar 2025 21:09

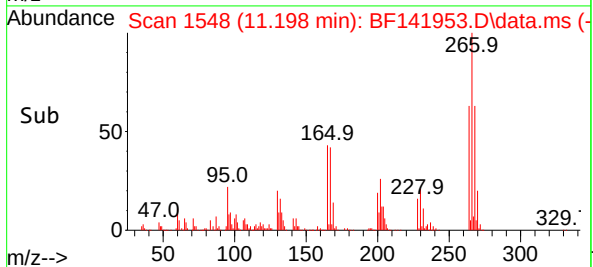
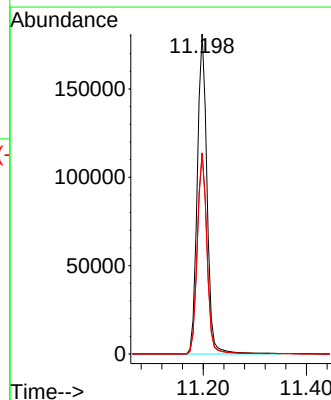
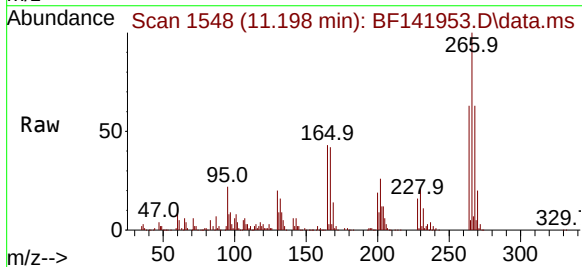
Tgt Ion:266 Resp: 236256

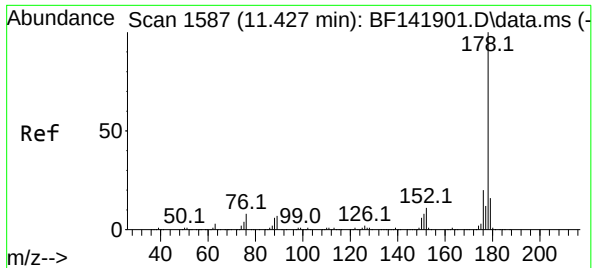
Ion Ratio Lower Upper

266 100

268 62.8 51.0 76.6

264 62.8 50.2 75.2





#71

Phenanthrene

Concen: 37.933 ng

RT: 11.422 min Scan# 1586

Delta R.T. -0.006 min

Lab File: BF141953.D

Acq: 13 Mar 2025 21:09

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040EC

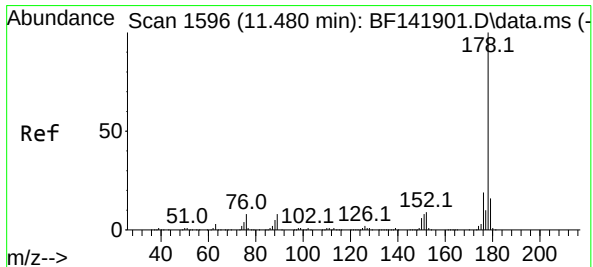
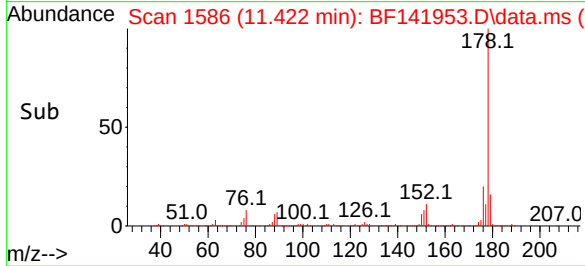
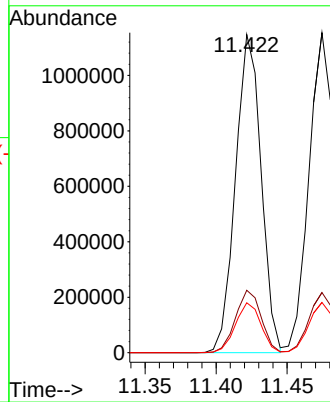
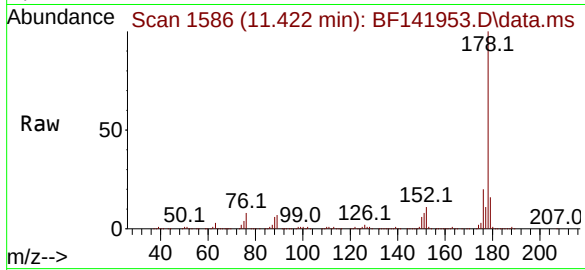
Tgt Ion:178 Resp: 1442335

Ion Ratio Lower Upper

178 100

176 19.6 15.8 23.8

179 15.7 12.6 19.0



#72

Anthracene

Concen: 37.996 ng

RT: 11.474 min Scan# 1595

Delta R.T. -0.006 min

Lab File: BF141953.D

Acq: 13 Mar 2025 21:09

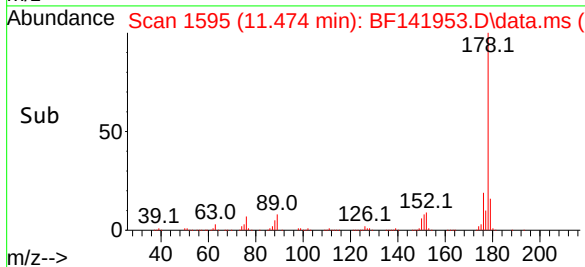
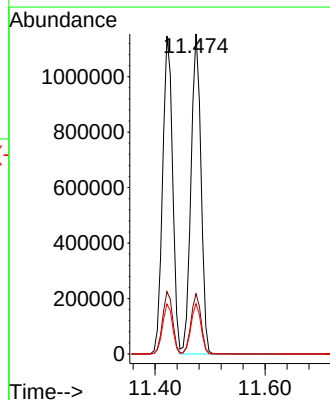
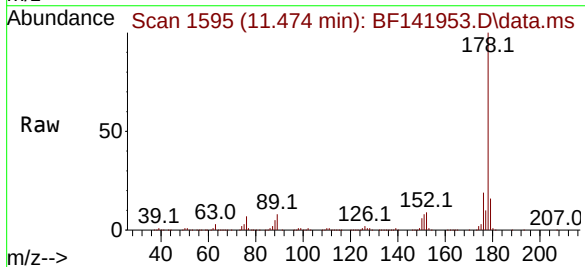
Tgt Ion:178 Resp: 1449461

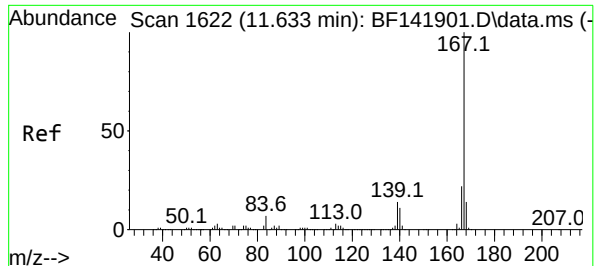
Ion Ratio Lower Upper

178 100

176 18.8 15.1 22.7

179 15.7 12.6 19.0





#73

Carbazole

Concen: 36.707 ng

RT: 11.627 min Scan# 1621

Delta R.T. -0.006 min

Lab File: BF141953.D

Acq: 13 Mar 2025 21:09

Instrument :

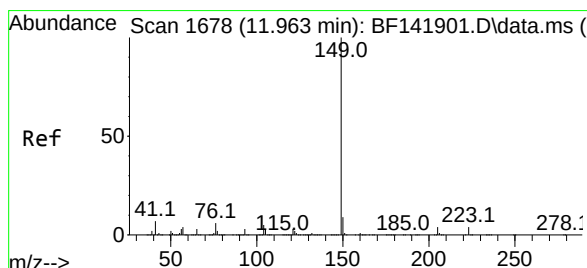
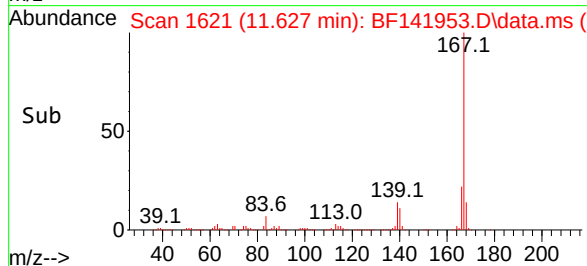
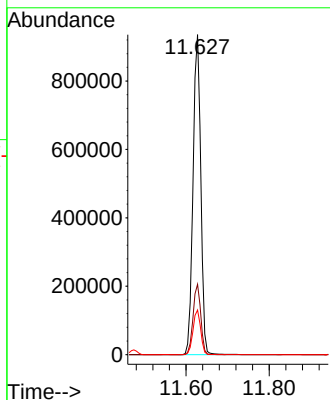
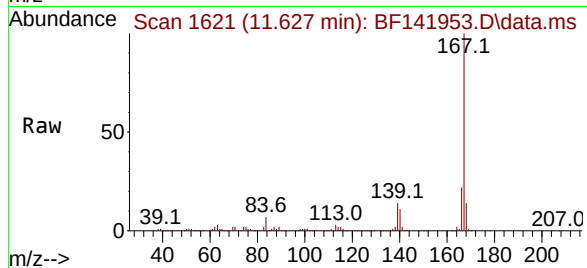
BNA_F

ClientSampleId :

SSTDCCC040EC

Tgt Ion:167 Resp: 1207616

Ion	Ratio	Lower	Upper
167	100		
166	22.0	17.4	26.2
139	14.0	11.0	16.6



#74

Di-n-butylphthalate

Concen: 38.339 ng

RT: 11.957 min Scan# 1677

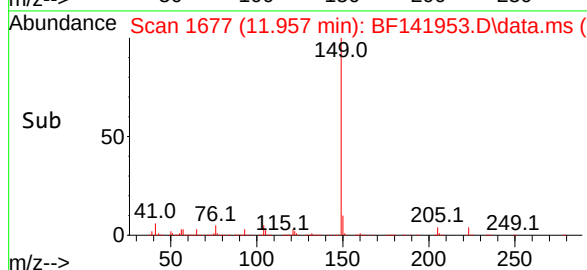
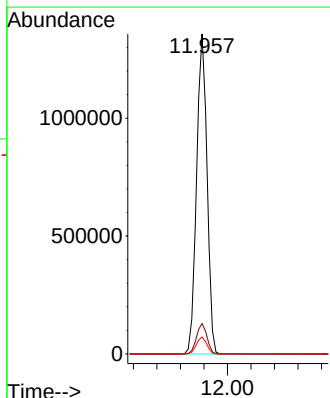
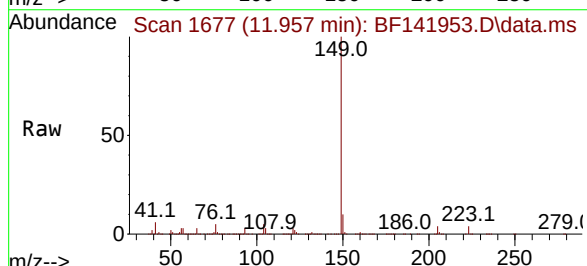
Delta R.T. -0.006 min

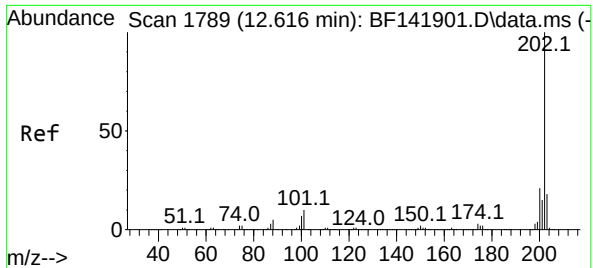
Lab File: BF141953.D

Acq: 13 Mar 2025 21:09

Tgt Ion:149 Resp: 1673605

Ion	Ratio	Lower	Upper
149	100		
150	9.5	7.6	11.4
104	5.3	4.4	6.6

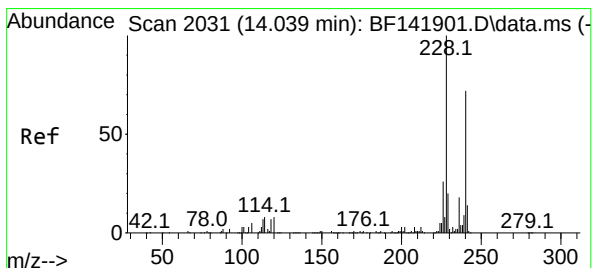
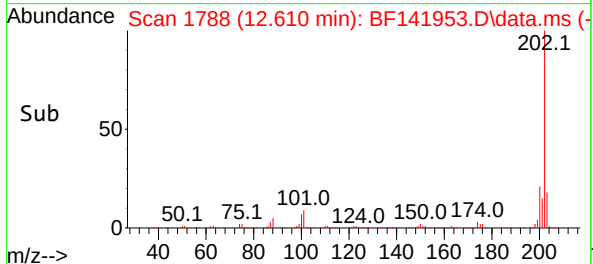
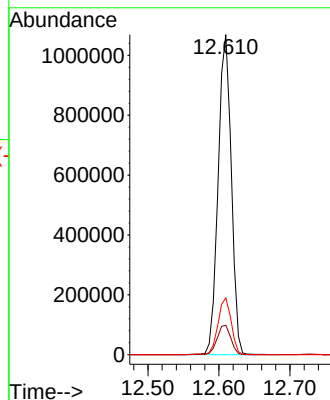
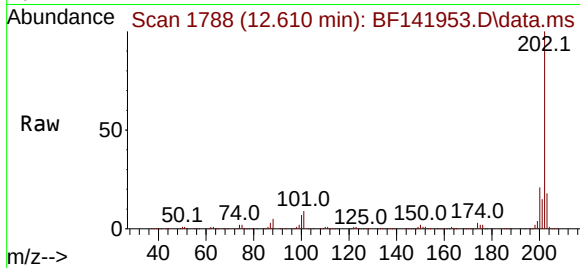




#75
Fluoranthene
Concen: 33.953 ng
RT: 12.610 min Scan# 1788
Delta R.T. -0.006 min
Lab File: BF141953.D
Acq: 13 Mar 2025 21:09

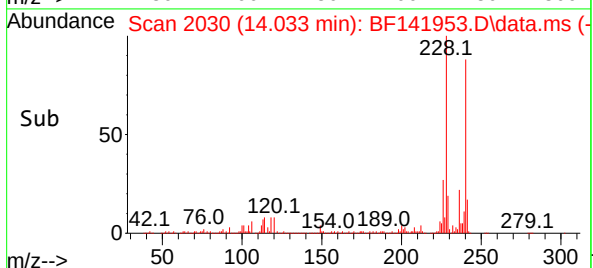
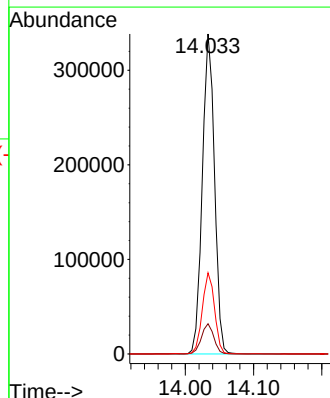
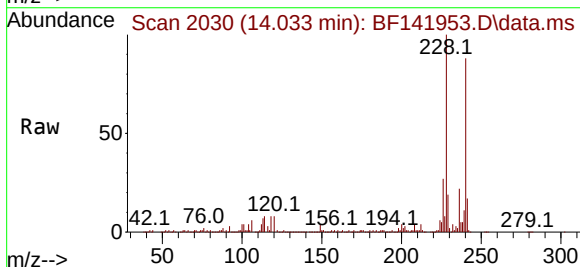
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

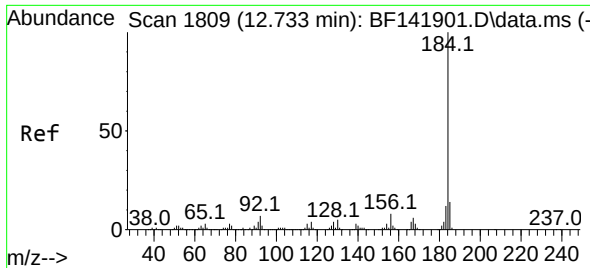
Tgt Ion:202 Resp: 1369471
Ion Ratio Lower Upper
202 100
101 9.2 0.0 29.7
203 17.8 0.0 37.8



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.033 min Scan# 2030
Delta R.T. -0.006 min
Lab File: BF141953.D
Acq: 13 Mar 2025 21:09

Tgt Ion:240 Resp: 419686
Ion Ratio Lower Upper
240 100
120 9.4 8.4 12.6
236 25.4 20.5 30.7

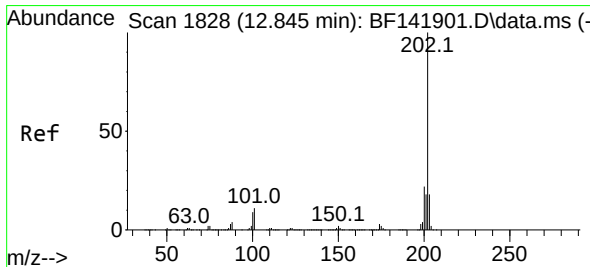
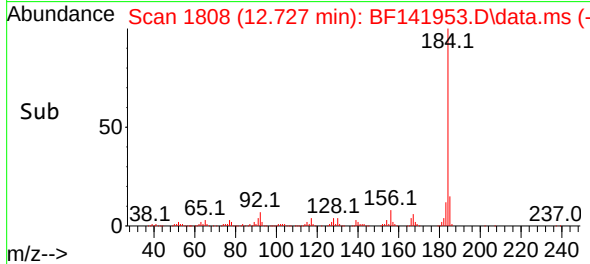
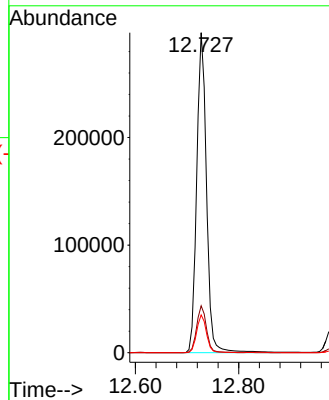
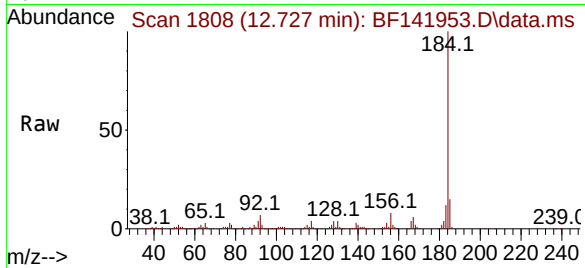




#77
Benzidine
Concen: 66.914 ng
RT: 12.727 min Scan# 1808
Delta R.T. -0.006 min
Lab File: BF141953.D
Acq: 13 Mar 2025 21:09

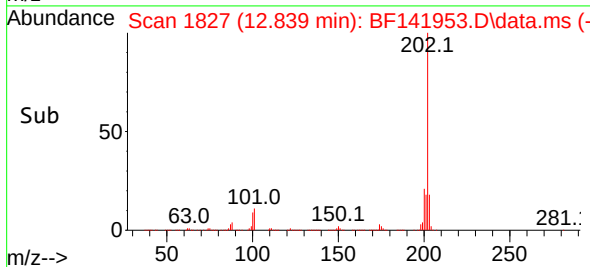
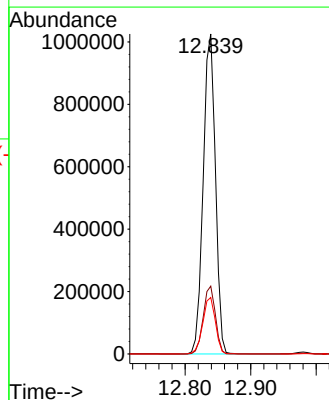
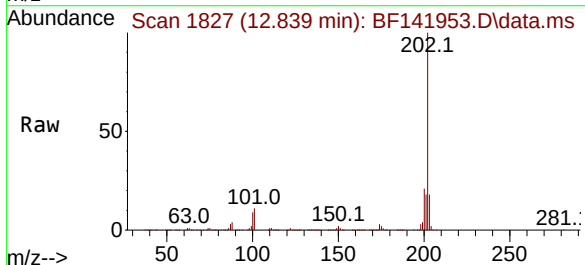
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

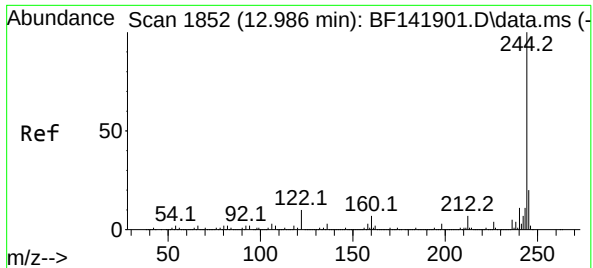
Tgt Ion:184 Resp: 391811
Ion Ratio Lower Upper
184 100
185 14.6 11.5 17.3
183 11.8 9.7 14.5



#78
Pyrene
Concen: 36.689 ng
RT: 12.839 min Scan# 1827
Delta R.T. -0.006 min
Lab File: BF141953.D
Acq: 13 Mar 2025 21:09

Tgt Ion:202 Resp: 1331914
Ion Ratio Lower Upper
202 100
200 21.2 17.3 25.9
203 17.7 14.4 21.6





#79

Terphenyl-d14

Concen: 75.020 ng

RT: 12.980 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF141953.D

Acq: 13 Mar 2025 21:09

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040EC

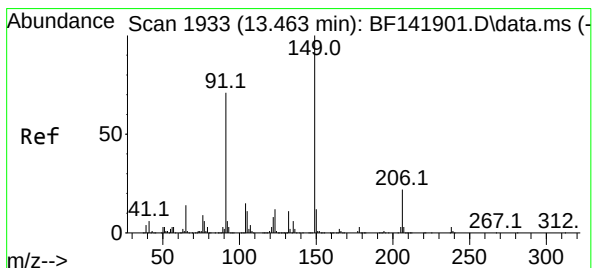
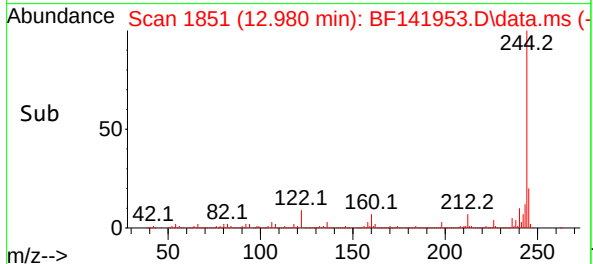
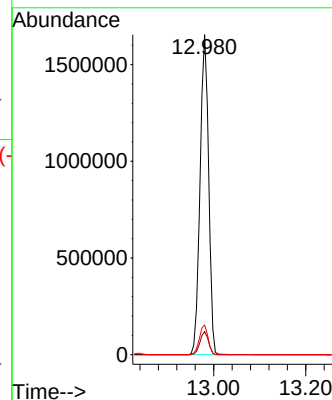
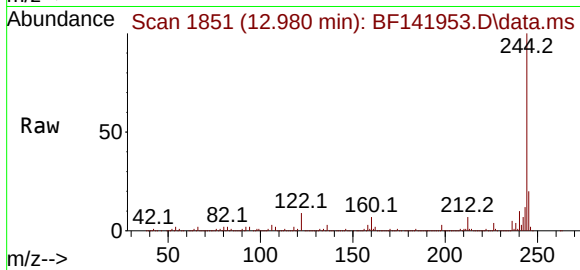
Tgt Ion:244 Resp: 2129584

Ion Ratio Lower Upper

244 100

212 7.2 6.0 9.0

122 9.2 7.7 11.5



#80

Butylbenzylphthalate

Concen: 37.707 ng

RT: 13.451 min Scan# 1931

Delta R.T. -0.012 min

Lab File: BF141953.D

Acq: 13 Mar 2025 21:09

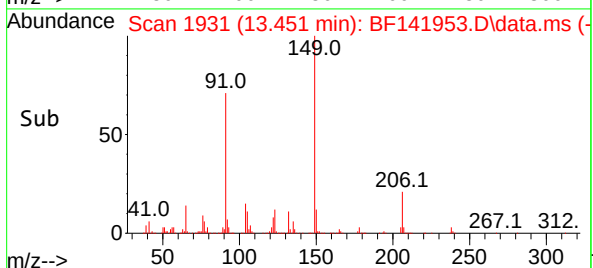
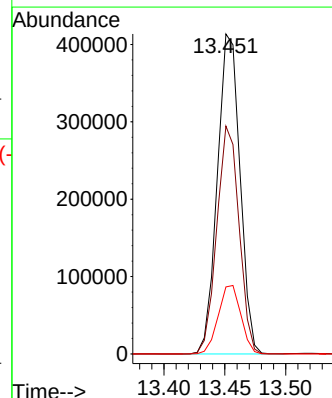
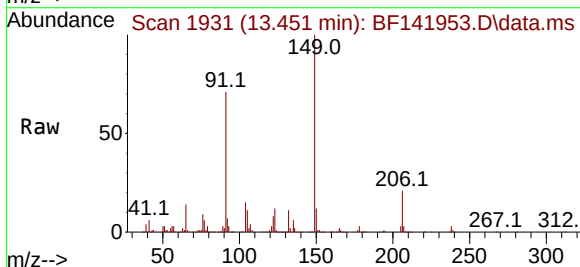
Tgt Ion:149 Resp: 535785

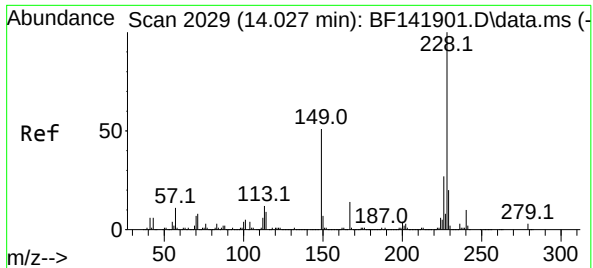
Ion Ratio Lower Upper

149 100

91 71.2 56.5 84.7

206 20.9 17.3 25.9

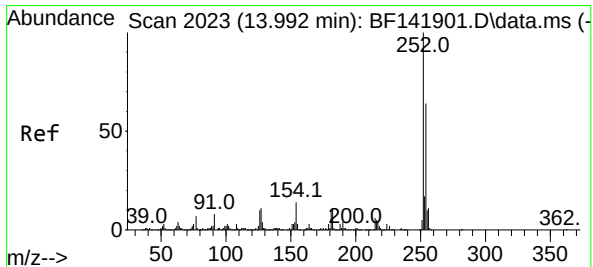
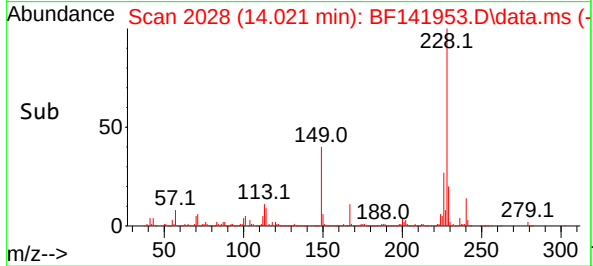
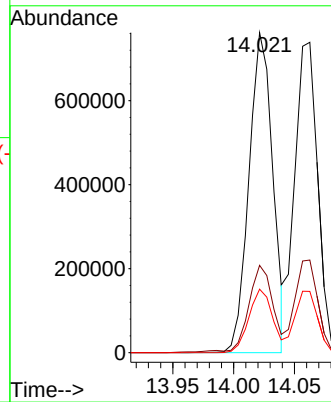
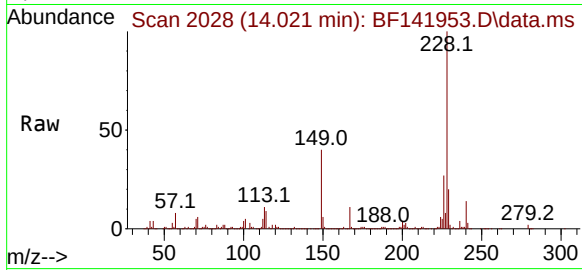




#81
Benzo(a)anthracene
Concen: 37.620 ng
RT: 14.021 min Scan# 20
Delta R.T. -0.006 min
Lab File: BF141953.D
Acq: 13 Mar 2025 21:09

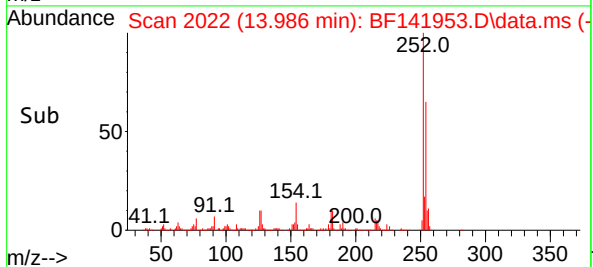
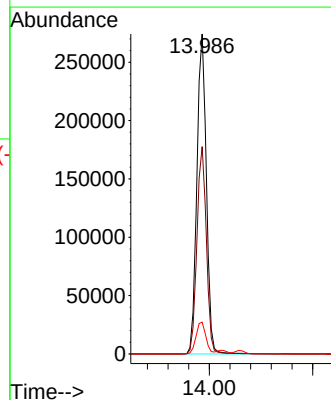
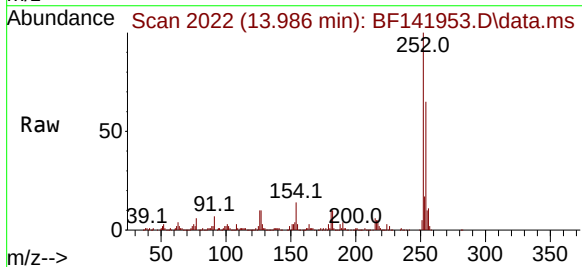
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

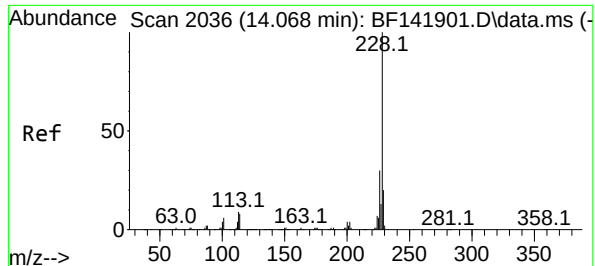
Tgt Ion:228 Resp: 1036067
Ion Ratio Lower Upper
228 100
226 27.3 21.8 32.8
229 19.9 16.0 24.0



#82
3,3'-Dichlorobenzidine
Concen: 43.862 ng
RT: 13.986 min Scan# 2022
Delta R.T. -0.006 min
Lab File: BF141953.D
Acq: 13 Mar 2025 21:09

Tgt Ion:252 Resp: 349082
Ion Ratio Lower Upper
252 100
254 64.8 51.0 76.6
126 10.0 8.4 12.6





#83

Chrysene

Concen: 39.004 ng

RT: 14.063 min Scan# 2036

Delta R.T. -0.006 min

Lab File: BF141953.D

Acq: 13 Mar 2025 21:09

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040EC

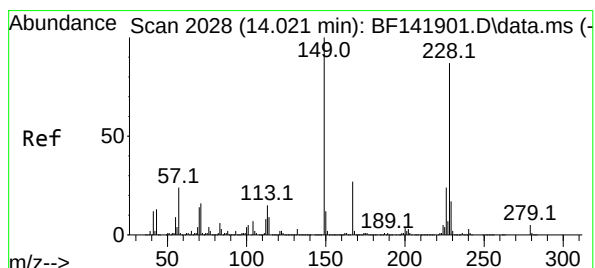
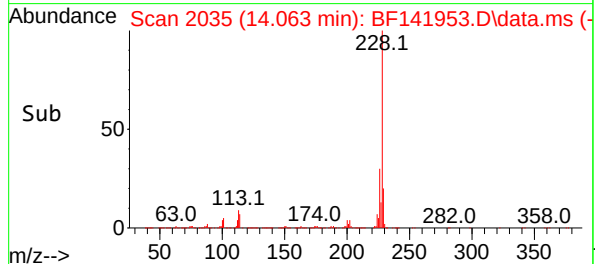
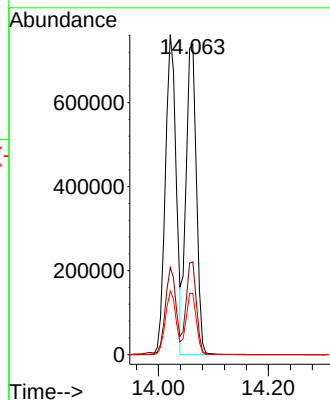
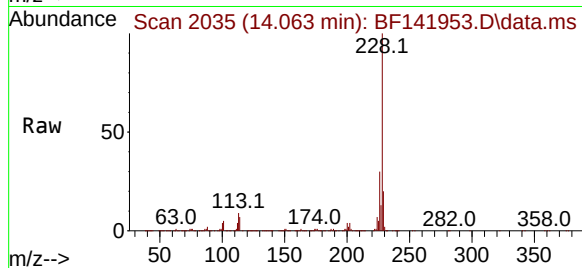
Tgt Ion:228 Resp: 973692

Ion Ratio Lower Upper

228 100

226 29.8 24.1 36.1

229 19.7 15.7 23.5



#84

Bis(2-ethylhexyl)phthalate

Concen: 37.771 ng

RT: 14.010 min Scan# 2026

Delta R.T. -0.012 min

Lab File: BF141953.D

Acq: 13 Mar 2025 21:09

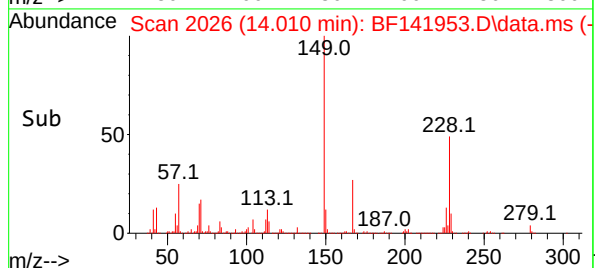
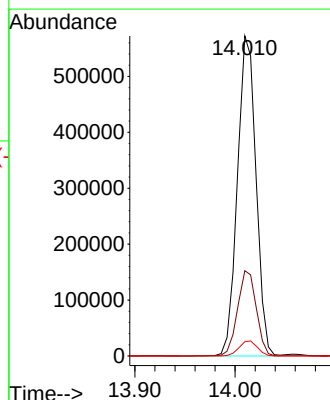
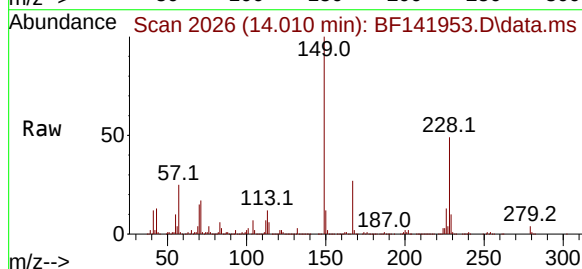
Tgt Ion:149 Resp: 739989

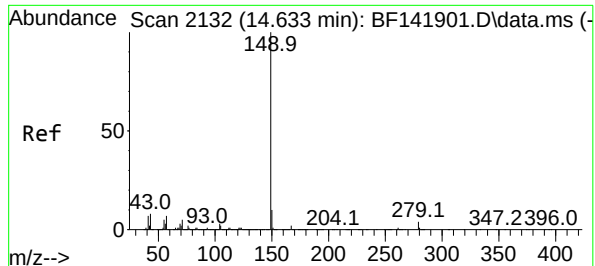
Ion Ratio Lower Upper

149 100

167 26.6 21.4 32.0

279 4.4 3.8 5.6





#85

Di-n-octyl phthalate

Concen: 41.722 ng

RT: 14.621 min Scan# 2132

Delta R.T. -0.012 min

Lab File: BF141953.D

Acq: 13 Mar 2025 21:09

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040EC

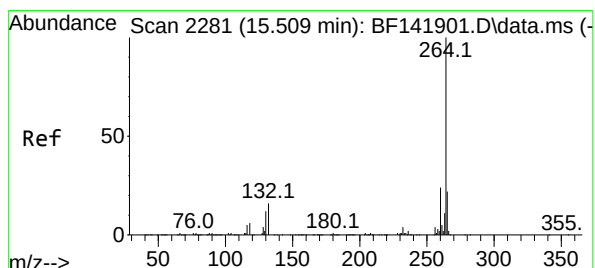
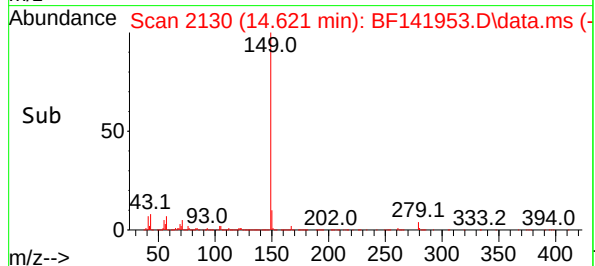
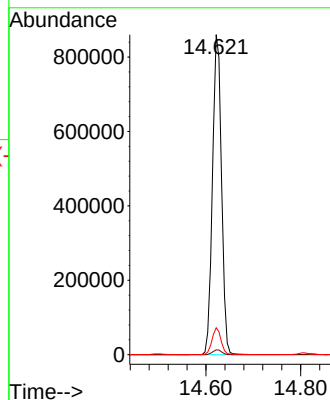
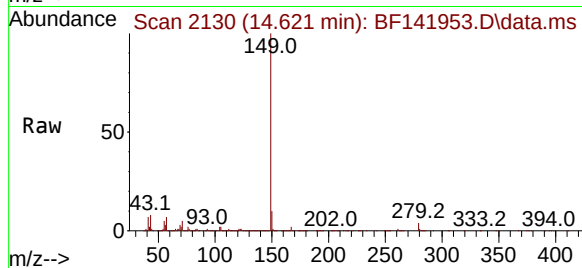
Tgt Ion:149 Resp: 1137319

Ion Ratio Lower Upper

149 100

167 1.5 1.3 1.9

43 8.4 6.9 10.3



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.504 min Scan# 2280

Delta R.T. -0.006 min

Lab File: BF141953.D

Acq: 13 Mar 2025 21:09

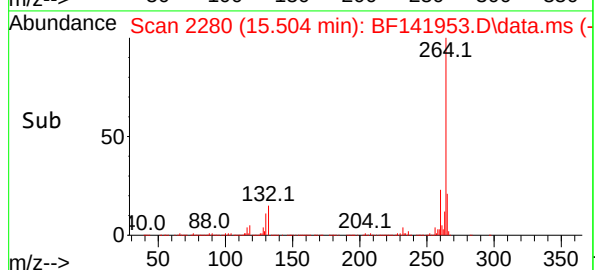
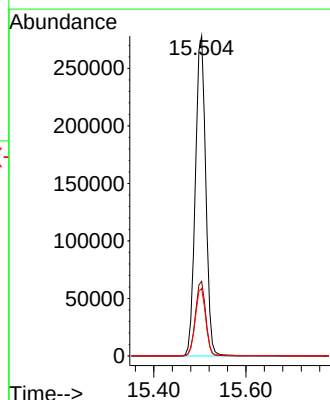
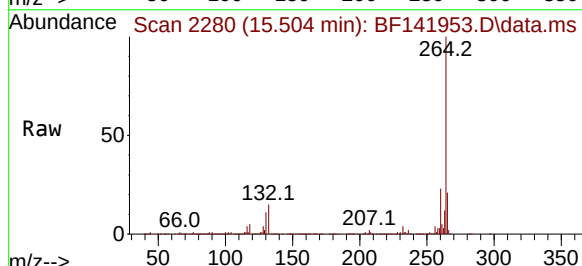
Tgt Ion:264 Resp: 434165

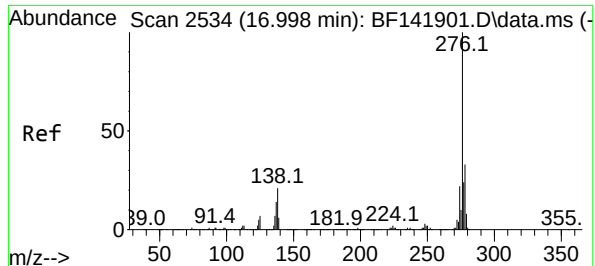
Ion Ratio Lower Upper

264 100

260 23.3 19.1 28.7

265 21.0 17.5 26.3





#87

Indeno(1,2,3-cd)pyrene

Concen: 35.502 ng

RT: 16.986 min Scan# 21

Delta R.T. -0.012 min

Lab File: BF141953.D

Acq: 13 Mar 2025 21:09

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040EC

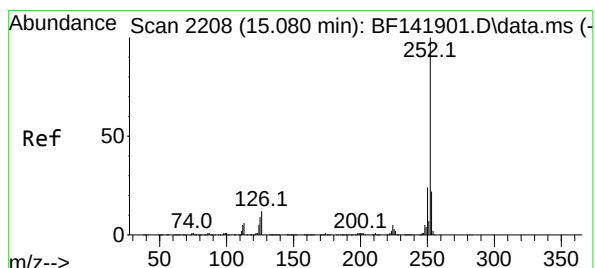
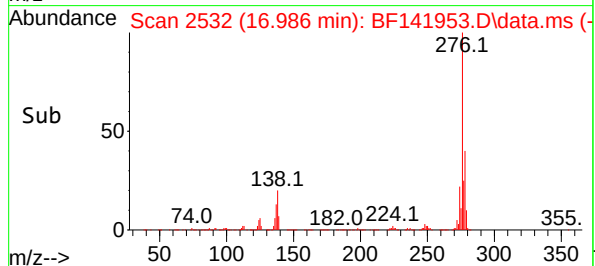
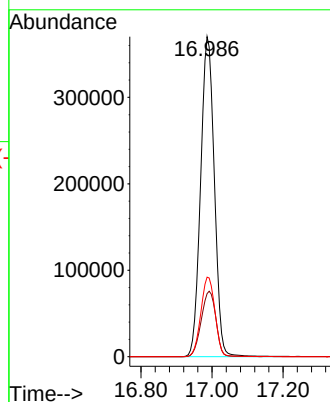
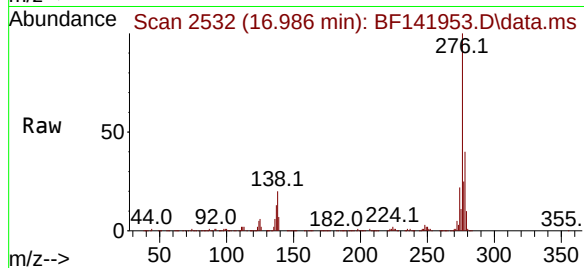
Tgt Ion:276 Resp: 997080

Ion Ratio Lower Upper

276 100

138 21.8 18.4 27.6

277 25.7 20.3 30.5



#88

Benzo(b)fluoranthene

Concen: 34.855 ng

RT: 15.074 min Scan# 2207

Delta R.T. -0.006 min

Lab File: BF141953.D

Acq: 13 Mar 2025 21:09

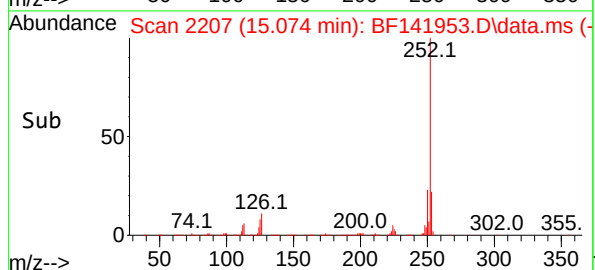
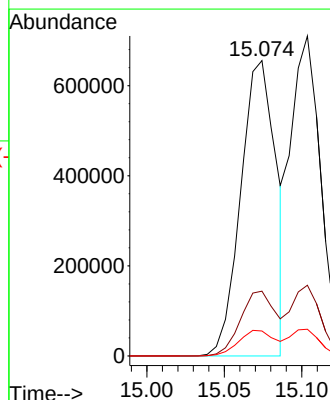
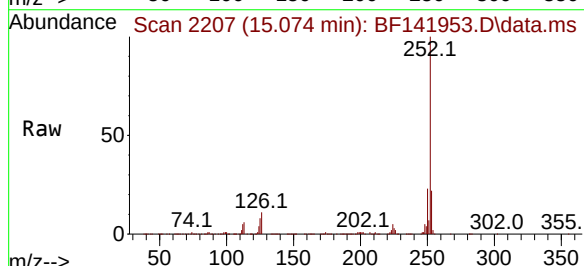
Tgt Ion:252 Resp: 1037144

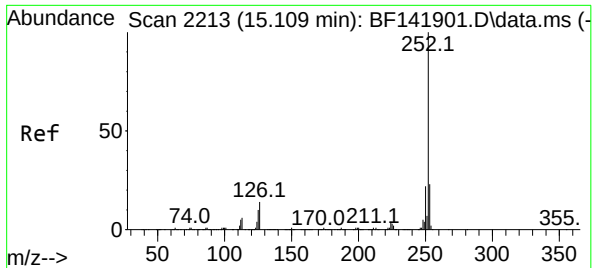
Ion Ratio Lower Upper

252 100

253 21.9 17.5 26.3

125 8.4 7.0 10.4





#89

Benzo(k)fluoranthene

Concen: 37.405 ng

RT: 15.104 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF141953.D

Acq: 13 Mar 2025 21:09

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040EC

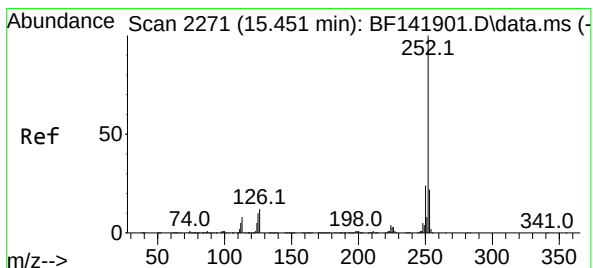
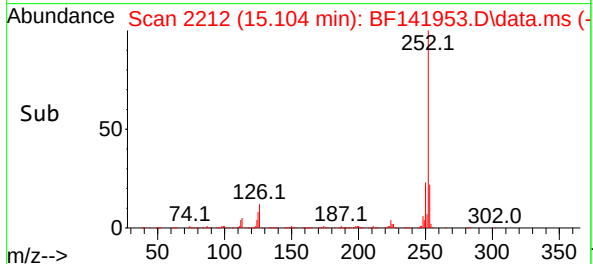
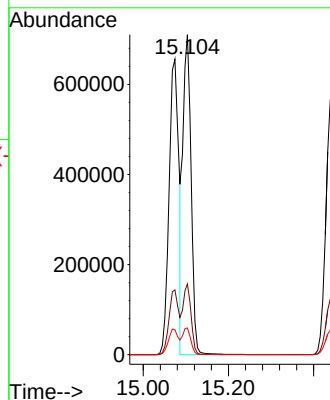
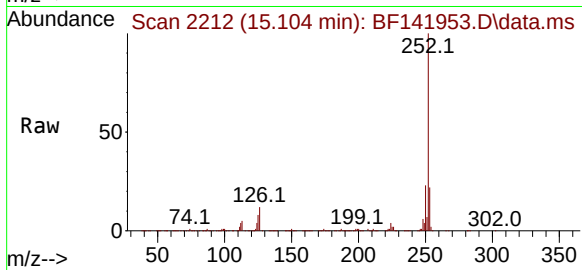
Tgt Ion:252 Resp: 952480

Ion Ratio Lower Upper

252 100

253 22.1 17.7 26.5

125 8.4 7.2 10.8



#90

Benzo(a)pyrene

Concen: 37.940 ng

RT: 15.439 min Scan# 2269

Delta R.T. -0.012 min

Lab File: BF141953.D

Acq: 13 Mar 2025 21:09

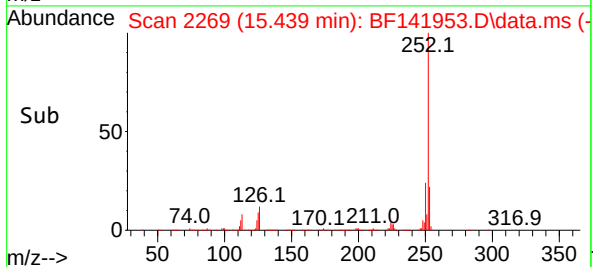
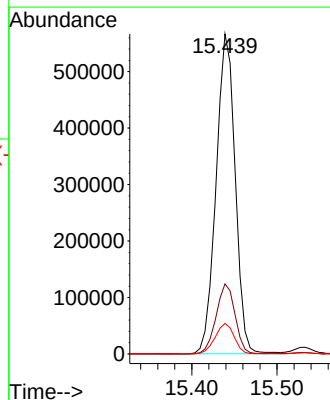
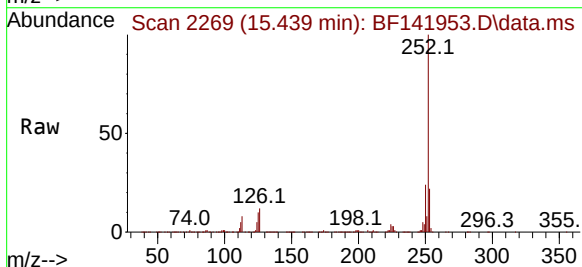
Tgt Ion:252 Resp: 883339

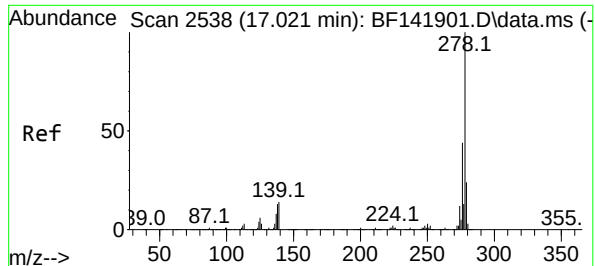
Ion Ratio Lower Upper

252 100

253 21.9 17.4 26.0

125 9.5 7.8 11.8





#91

Dibenzo(a,h)anthracene

Concen: 36.303 ng

RT: 17.004 min Scan# 21

Delta R.T. -0.018 min

Lab File: BF141953.D

Acq: 13 Mar 2025 21:09

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040EC

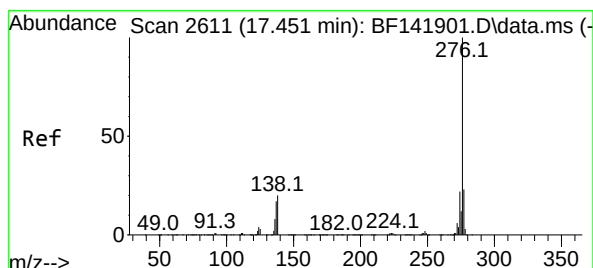
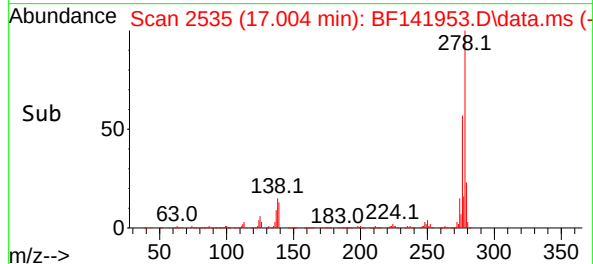
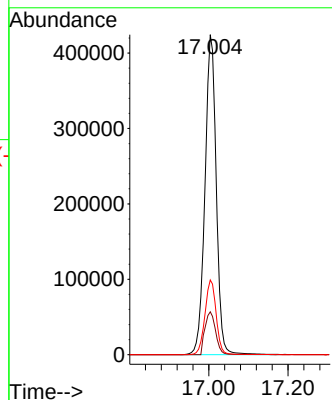
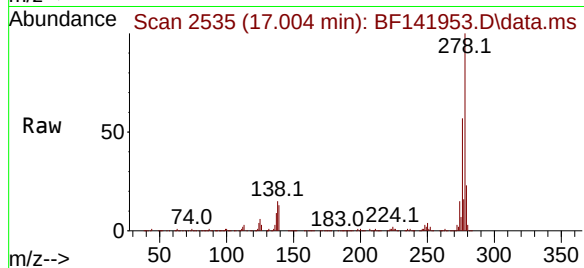
Tgt Ion:278 Resp: 841233

Ion Ratio Lower Upper

278 100

139 13.4 11.4 17.2

279 23.4 18.8 28.2



#92

Benzo(g,h,i)perylene

Concen: 34.001 ng

RT: 17.433 min Scan# 2608

Delta R.T. -0.018 min

Lab File: BF141953.D

Acq: 13 Mar 2025 21:09

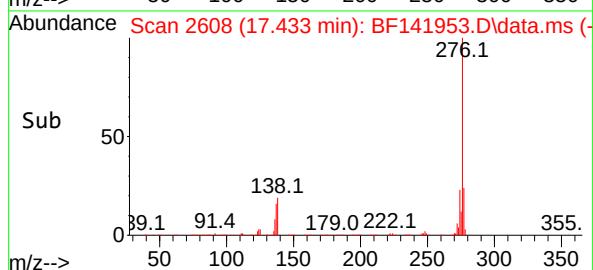
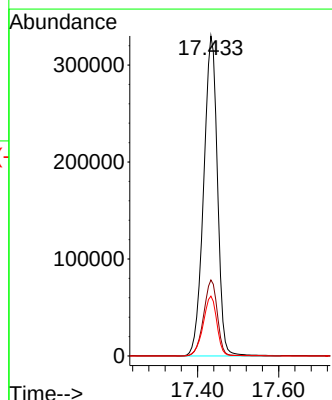
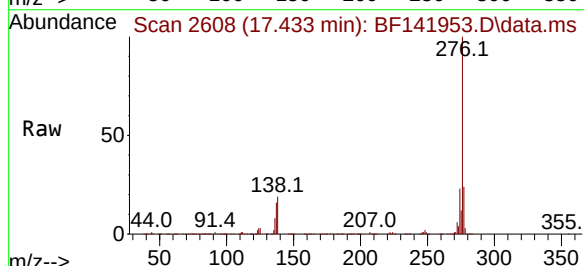
Tgt Ion:276 Resp: 778601

Ion Ratio Lower Upper

276 100

277 23.8 18.7 28.1

138 18.7 15.8 23.8



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF031325\
 Data File : BF141953.D
 Acq On : 13 Mar 2025 21:09
 Operator : RC/JU
 Sample : SSTDCCC040
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 LabSampleId :
 SSTDCCC040

Quant Time: Mar 14 10:40:51 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF031025.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Mar 10 15:46:22 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	93	0.00
2	1,4-Dioxane	0.502	0.488	2.8	90	-0.01
3	Pyridine	1.232	1.205	2.2	92	-0.01
4	n-Nitrosodimethylamine	0.587	0.553	5.8	88	-0.01
5 S	2-Fluorophenol	1.198	1.136	5.2	92	0.00
6	Aniline	1.505	1.380	8.3	88	0.00
7 S	Phenol-d6	1.526	1.422	6.8	92	0.00
8	2-Chlorophenol	1.329	1.247	6.2	92	0.00
9	Benzaldehyde	0.853	0.811	4.9	97	0.00
10 C	Phenol	1.605	1.483	7.6	90	0.00
11	bis(2-Chloroethyl)ether	1.205	1.114	7.6	91	0.00
12	1,3-Dichlorobenzene	1.435	1.352	5.8	92	0.00
13 C	1,4-Dichlorobenzene	1.452	1.386	4.5	93	0.00
14	1,2-Dichlorobenzene	1.367	1.293	5.4	92	0.00
15	Benzyl Alcohol	1.233	1.158	6.1	91	0.00
16	2,2'-oxybis(1-Chloropropane	1.455	1.252	14.0	86	0.00
17	2-Methylphenol	1.057	0.989	6.4	91	0.00
18	Hexachloroethane	0.544	0.512	5.9	92	0.00
19 P	n-Nitroso-di-n-propylamine	0.980	0.857	12.6	87	0.00
20	3+4-Methylphenols	1.354	1.231	9.1	89	0.00
21 I	Naphthalene-d8	1.000	1.000	0.0	91	0.00
22	Acetophenone	0.479	0.447	6.7	89	0.00
23 S	Nitrobenzene-d5	0.355	0.345	2.8	90	0.00
24	Nitrobenzene	0.353	0.342	3.1	90	0.00
25	Isophorone	0.628	0.577	8.1	88	0.00
26 C	2-Nitrophenol	0.173	0.178	-2.9	93	0.00
27	2,4-Dimethylphenol	0.239	0.225	5.9	89	0.00
28	bis(2-Chloroethoxy)methane	0.394	0.364	7.6	89	0.00
29 C	2,4-Dichlorophenol	0.296	0.286	3.4	91	0.00
30	1,2,4-Trichlorobenzene	0.327	0.314	4.0	93	0.00
31	Naphthalene	1.027	0.970	5.6	90	0.00
32	Benzoic acid	0.210	0.217	-3.3	95	0.00
33	4-Chloroaniline	0.363	0.330	9.1	86	0.00
34 C	Hexachlorobutadiene	0.213	0.209	1.9	94	0.00
35	Caprolactam	0.090	0.081	10.0	88	0.00
36 C	4-Chloro-3-methylphenol	0.331	0.304	8.2	87	0.00
37	2-Methylnaphthalene	0.687	0.645	6.1	90	0.00
38	1-Methylnaphthalene	0.663	0.622	6.2	91	0.00
39 I	Acenaphthene-d10	1.000	1.000	0.0	89	0.00
40	1,2,4,5-Tetrachlorobenzene	0.609	0.605	0.7	91	0.00
41 P	Hexachlorocyclopentadiene	0.238	0.213	10.5	76	0.00
42 S	2,4,6-Tribromophenol	0.254	0.243	4.3	86	0.00
43 C	2,4,6-Trichlorophenol	0.398	0.383	3.8	86	0.00
44	2,4,5-Trichlorophenol	0.403	0.398	1.2	91	0.00
45 S	2-Fluorobiphenyl	1.315	1.275	3.0	90	0.00
46	1,1'-Biphenyl	1.520	1.467	3.5	90	0.00
47	2-Chloronaphthalene	1.133	1.089	3.9	89	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF031325\
 Data File : BF141953.D
 Acq On : 13 Mar 2025 21:09
 Operator : RC/JU
 Sample : SSTDCCC040
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 LabSampleId :
 SSTDCCC040

Quant Time: Mar 14 10:40:51 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF031025.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Mar 10 15:46:22 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	0.328	0.311	5.2	86	0.00
49	Acenaphthylene	1.681	1.594	5.2	87	0.00
50	Dimethylphthalate	1.401	1.310	6.5	88	0.00
51	2,6-Dinitrotoluene	0.292	0.282	3.4	88	0.00
52 C	Acenaphthene	1.181	1.117	5.4	87	0.00
53	3-Nitroaniline	0.296	0.273	7.8	83	0.00
54 P	2,4-Dinitrophenol	0.139	0.124	10.8	78	0.00
55	Dibenzofuran	1.688	1.577	6.6	87	0.00
56 P	4-Nitrophenol	0.223	0.208	6.7	80	0.00
57	2,4-Dinitrotoluene	0.381	0.364	4.5	86	0.00
58	Fluorene	1.302	1.205	7.5	87	0.00
59	2,3,4,6-Tetrachlorophenol	0.367	0.351	4.4	87	0.00
60	Diethylphthalate	1.397	1.298	7.1	86	0.00
61	4-Chlorophenyl-phenylether	0.679	0.639	5.9	88	0.00
62	4-Nitroaniline	0.288	0.265	8.0	82	0.00
63	Azobenzene	1.298	1.180	9.1	84	0.00
64 I	Phenanthrene-d10	1.000	1.000	0.0	84	0.00
65	4,6-Dinitro-2-methylphenol	0.119	0.115	3.4	80	0.00
66 c	n-Nitrosodiphenylamine	0.647	0.639	1.2	86	0.00
67	4-Bromophenyl-phenylether	0.251	0.253	-0.8	87	0.00
68	Hexachlorobenzene	0.275	0.274	0.4	85	0.00
69	Atrazine	0.198	0.161	18.7	83	0.00
70 C	Pentachlorophenol	0.170	0.168	1.2	79	0.00
71	Phenanthrene	1.080	1.024	5.2	83	0.00
72	Anthracene	1.084	1.029	5.1	83	0.00
73	Carbazole	0.935	0.858	8.2	79	0.00
74	Di-n-butylphthalate	1.240	1.189	4.1	85	0.00
75 C	Fluoranthene	1.146	0.973	15.1	74	0.00
76 I	Chrysene-d12	1.000	1.000	0.0	74	0.00
77	Benzidine	0.279	0.467	-67.4#	96	0.00
78	Pyrene	1.730	1.587	8.3	73	0.00
79 S	Terphenyl-d14	1.353	1.269	6.2	73	0.00
80	Butylbenzylphthalate	0.677	0.638	5.8	72	-0.01
81	Benzo(a)anthracene	1.312	1.234	5.9	71	0.00
82	3,3'-Dichlorobenzidine	0.379	0.416	-9.8	82	0.00
83	Chrysene	1.190	1.160	2.5	75	0.00
84	Bis(2-ethylhexyl)phthalate	0.934	0.882	5.6	72	-0.01
85 c	Di-n-octyl phthalate	1.299	1.355	-4.3	79	-0.01
86 I	Perylene-d12	1.000	1.000	0.0	93	0.00
87	Indeno(1,2,3-cd)pyrene	1.294	1.148	11.3	83	-0.01
88	Benzo(b)fluoranthene	1.371	1.194	12.9	91	0.00
89	Benzo(k)fluoranthene	1.173	1.097	6.5	84	0.00
90 C	Benzo(a)pyrene	1.073	1.017	5.2	91	-0.01
91	Dibenzo(a,h)anthracene	1.067	0.969	9.2	84	-0.02
92	Benzo(g,h,i)perylene	1.055	0.897	15.0	78	-0.02

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF031325\
Data File : BF141953.D
Acq On : 13 Mar 2025 21:09
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Mar 14 10:40:51 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF031025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Mar 10 15:46:22 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)

(#) = Out of Range

SPCC's out = 0 CCC's out = 0

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF031325\
 Data File : BF141953.D
 Acq On : 13 Mar 2025 21:09
 Operator : RC/JU
 Sample : SSTDCCC040
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 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 LabSampleId :
 SSTDCCC040

Quant Time: Mar 14 10:40:51 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF031025.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Mar 10 15:46:22 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	93	0.00
2	1,4-Dioxane	40.000	38.914	2.7	90	-0.01
3	Pyridine	40.000	39.134	2.2	92	-0.01
4	n-Nitrosodimethylamine	40.000	37.680	5.8	88	-0.01
5 S	2-Fluorophenol	80.000	75.869	5.2	92	0.00
6	Aniline	40.000	36.683	8.3	88	0.00
7 S	Phenol-d6	80.000	74.563	6.8	92	0.00
8	2-Chlorophenol	40.000	37.538	6.2	92	0.00
9	Benzaldehyde	40.000	38.029	4.9	97	0.00
10 C	Phenol	40.000	36.950	7.6	90	0.00
11	bis(2-Chloroethyl)ether	40.000	36.982	7.5	91	0.00
12	1,3-Dichlorobenzene	40.000	37.697	5.8	92	0.00
13 C	1,4-Dichlorobenzene	40.000	38.201	4.5	93	0.00
14	1,2-Dichlorobenzene	40.000	37.813	5.5	92	0.00
15	Benzyl Alcohol	40.000	37.549	6.1	91	0.00
16	2,2'-oxybis(1-Chloropropane	40.000	34.410	14.0	86	0.00
17	2-Methylphenol	40.000	37.434	6.4	91	0.00
18	Hexachloroethane	40.000	37.594	6.0	92	0.00
19 P	n-Nitroso-di-n-propylamine	40.000	34.972	12.6	87	0.00
20	3+4-Methylphenols	40.000	36.392	9.0	89	0.00
21 I	Naphthalene-d8	20.000	20.000	0.0	91	0.00
22	Acetophenone	40.000	37.332	6.7	89	0.00
23 S	Nitrobenzene-d5	80.000	77.641	2.9	90	0.00
24	Nitrobenzene	40.000	38.665	3.3	90	0.00
25	Isophorone	40.000	36.716	8.2	88	0.00
26 C	2-Nitrophenol	40.000	41.017	-2.5	93	0.00
27	2,4-Dimethylphenol	40.000	37.628	5.9	89	0.00
28	bis(2-Chloroethoxy)methane	40.000	36.904	7.7	89	0.00
29 C	2,4-Dichlorophenol	40.000	38.562	3.6	91	0.00
30	1,2,4-Trichlorobenzene	40.000	38.479	3.8	93	0.00
31	Naphthalene	40.000	37.762	5.6	90	0.00
32	Benzoic acid	40.000	41.409	-3.5	95	0.00
33	4-Chloroaniline	40.000	36.422	8.9	86	0.00
34 C	Hexachlorobutadiene	40.000	39.285	1.8	94	0.00
35	Caprolactam	40.000	36.067	9.8	88	0.00
36 C	4-Chloro-3-methylphenol	40.000	36.745	8.1	87	0.00
37	2-Methylnaphthalene	40.000	37.594	6.0	90	0.00
38	1-Methylnaphthalene	40.000	37.573	6.1	91	0.00
39 I	Acenaphthene-d10	20.000	20.000	0.0	89	0.00
40	1,2,4,5-Tetrachlorobenzene	40.000	39.716	0.7	91	0.00
41 P	Hexachlorocyclopentadiene	40.000	35.715	10.7	76	0.00
42 S	2,4,6-Tribromophenol	80.000	76.588	4.3	86	0.00
43 C	2,4,6-Trichlorophenol	40.000	38.476	3.8	86	0.00
44	2,4,5-Trichlorophenol	40.000	39.534	1.2	91	0.00
45 S	2-Fluorobiphenyl	80.000	77.566	3.0	90	0.00
46	1,1'-Biphenyl	40.000	38.622	3.4	90	0.00
47	2-Chloronaphthalene	40.000	38.450	3.9	89	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF031325\
 Data File : BF141953.D
 Acq On : 13 Mar 2025 21:09
 Operator : RC/JU
 Sample : SSTDCCC040
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 LabSampleId :
 SSTDCCC040

Quant Time: Mar 14 10:40:51 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF031025.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Mar 10 15:46:22 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	37.940	5.2	86	0.00
49	Acenaphthylene	40.000	37.930	5.2	87	0.00
50	Dimethylphthalate	40.000	37.405	6.5	88	0.00
51	2,6-Dinitrotoluene	40.000	38.696	3.3	88	0.00
52 C	Acenaphthene	40.000	37.812	5.5	87	0.00
53	3-Nitroaniline	40.000	36.980	7.6	83	0.00
54 P	2,4-Dinitrophenol	40.000	34.138	14.7	78	0.00
55	Dibenzofuran	40.000	37.366	6.6	87	0.00
56 P	4-Nitrophenol	40.000	37.303	6.7	80	0.00
57	2,4-Dinitrotoluene	40.000	38.259	4.4	86	0.00
58	Fluorene	40.000	37.035	7.4	87	0.00
59	2,3,4,6-Tetrachlorophenol	40.000	38.297	4.3	87	0.00
60	Diethylphthalate	40.000	37.182	7.0	86	0.00
61	4-Chlorophenyl-phenylether	40.000	37.657	5.9	88	0.00
62	4-Nitroaniline	40.000	36.837	7.9	82	0.00
63	Azobenzene	40.000	36.354	9.1	84	0.00
64 I	Phenanthrene-d10	20.000	20.000	0.0	84	0.00
65	4,6-Dinitro-2-methylphenol	40.000	38.500	3.8	80	0.00
66 c	n-Nitrosodiphenylamine	40.000	39.492	1.3	86	0.00
67	4-Bromophenyl-phenylether	40.000	40.315	-0.8	87	0.00
68	Hexachlorobenzene	40.000	39.753	0.6	85	0.00
69	Atrazine	40.000	32.534	18.7	83	0.00
70 C	Pentachlorophenol	40.000	39.545	1.1	79	0.00
71	Phenanthrene	40.000	37.933	5.2	83	0.00
72	Anthracene	40.000	37.996	5.0	83	0.00
73	Carbazole	40.000	36.707	8.2	79	0.00
74	Di-n-butylphthalate	40.000	38.339	4.2	85	0.00
75 C	Fluoranthene	40.000	33.953	15.1	74	0.00
76 I	Chrysene-d12	20.000	20.000	0.0	74	0.00
77	Benzydine	40.000	66.914	-67.3#	96	0.00
78	Pyrene	40.000	36.689	8.3	73	0.00
79 S	Terphenyl-d14	80.000	75.020	6.2	73	0.00
80	Butylbenzylphthalate	40.000	37.707	5.7	72	-0.01
81	Benzo(a)anthracene	40.000	37.620	6.0	71	0.00
82	3,3'-Dichlorobenzidine	40.000	43.862	-9.7	82	0.00
83	Chrysene	40.000	39.004	2.5	75	0.00
84	Bis(2-ethylhexyl)phthalate	40.000	37.771	5.6	72	-0.01
85 c	Di-n-octyl phthalate	40.000	41.722	-4.3	79	-0.01
86 I	Perylene-d12	20.000	20.000	0.0	93	0.00
87	Indeno(1,2,3-cd)pyrene	40.000	35.502	11.2	83	-0.01
88	Benzo(b)fluoranthene	40.000	34.855	12.9	91	0.00
89	Benzo(k)fluoranthene	40.000	37.405	6.5	84	0.00
90 C	Benzo(a)pyrene	40.000	37.940	5.2	91	-0.01
91	Dibenzo(a,h)anthracene	40.000	36.303	9.2	84	-0.02
92	Benzo(g,h,i)perylene	40.000	34.001	15.0	78	-0.02

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF031325\
Data File : BF141953.D
Acq On : 13 Mar 2025 21:09
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Mar 14 10:40:51 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF031025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Mar 10 15:46:22 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

Compound	Amount	Calc.	%Dev	Area%	Dev(min)

(#) = Out of Range SPCC's out = 0 CCC's out = 0



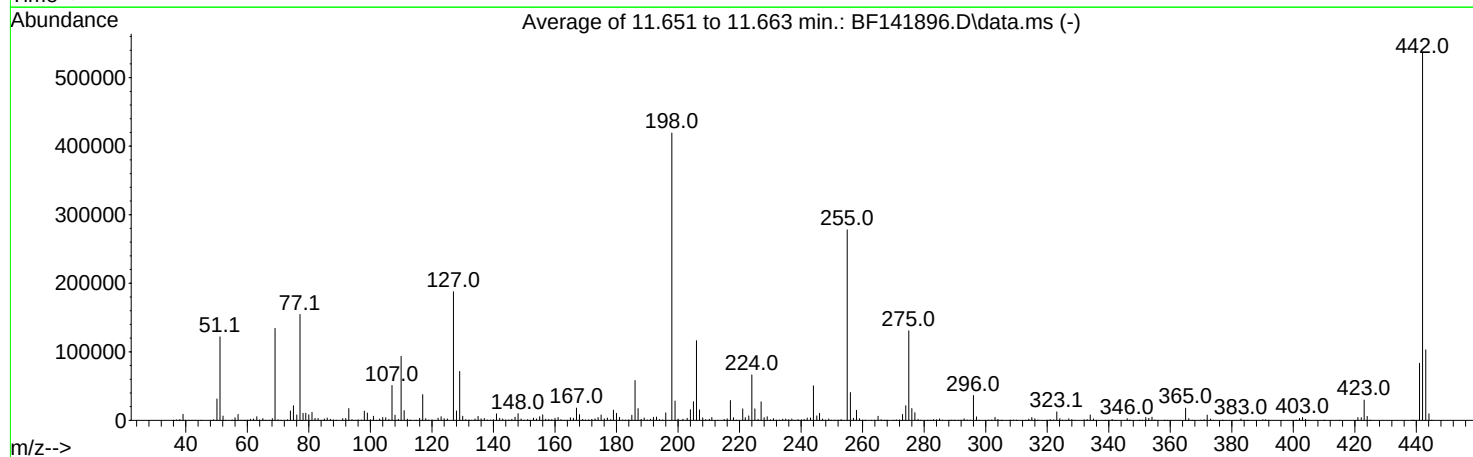
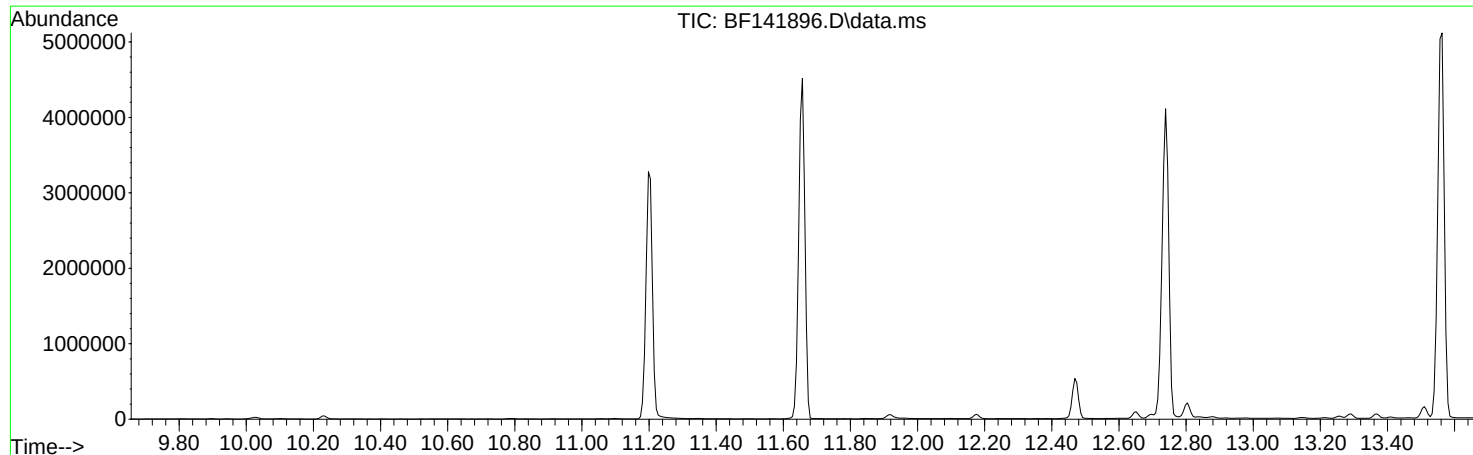
QC SAMPLE DATA

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF031025\
Data File : BF141896.D
Acq On : 10 Mar 2025 10:31
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DFTPP

Integration File: rteint.p

Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF031025.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Mon Mar 10 15:46:22 2025



AutoFind: Scans 1625, 1626, 1627; Background Corrected with Scan 1617

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	10	80	29.1	121957	PASS
68	69	0.00	2	1.9	2599	PASS
69	198	0.00	100	32.0	134239	PASS
70	69	0.00	2	0.7	949	PASS
127	198	10	80	44.8	187627	PASS
197	198	0.00	2	0.0	0	PASS
198	198	100	100	100.0	419221	PASS
199	198	5	9	6.7	28280	PASS
275	198	10	60	31.2	130819	PASS
365	198	1	100	4.2	17803	PASS
441	198	0.01	100	19.9	83389	PASS
442	442	50	100	100.0	536640	PASS
443	442	15	24	19.2	102888	PASS

Instrument :

BNA_F

ClientSampleId :

DFTPP

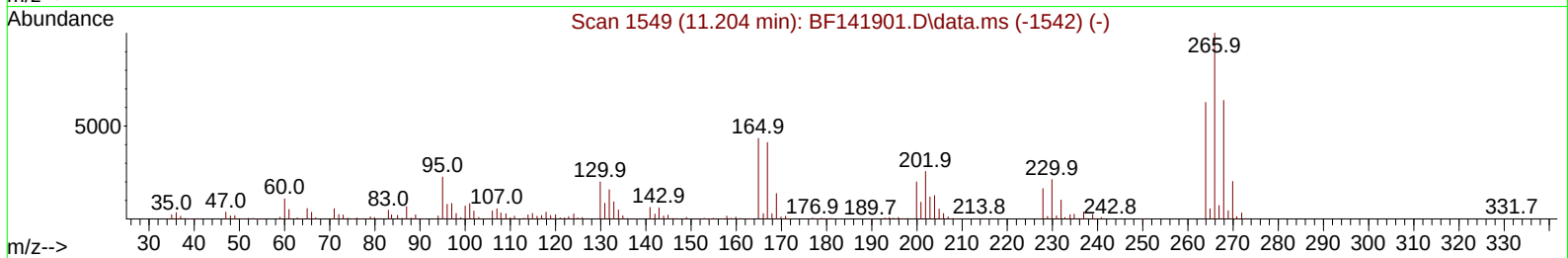
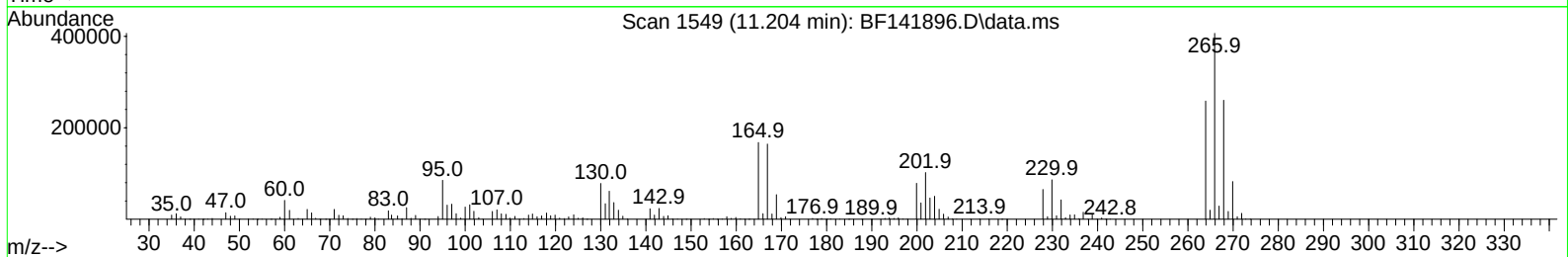
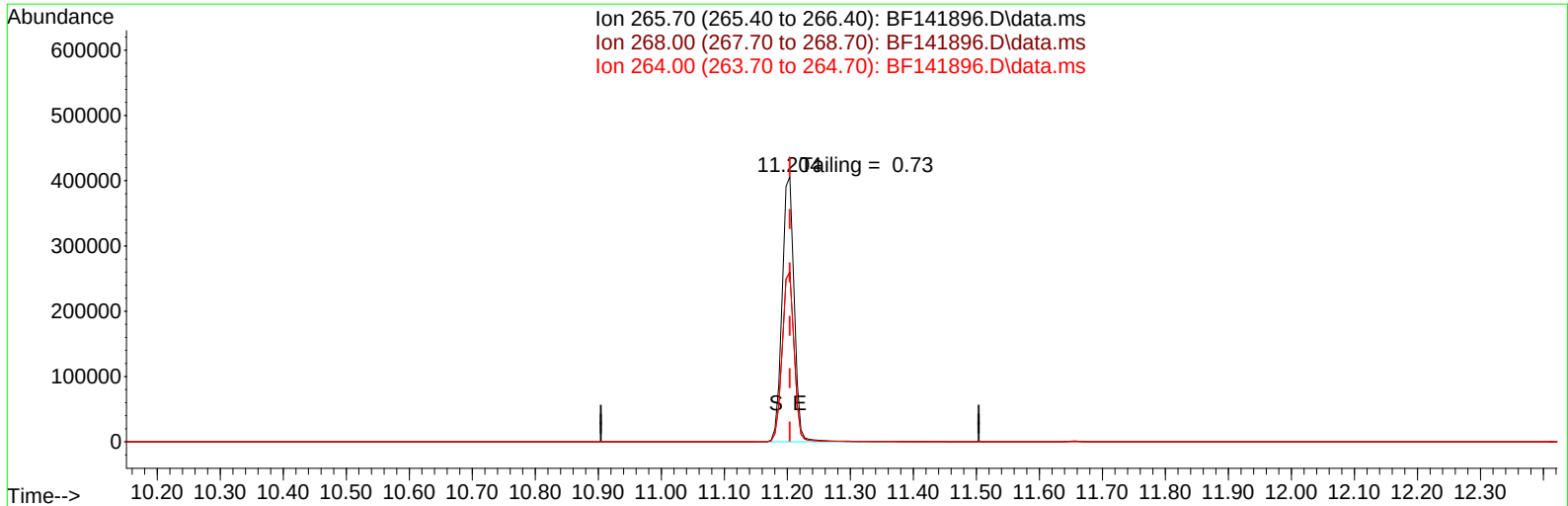
DDT Breakdown

Date	Instrument Name	DFTPP Data File
3/10/2025	BNA_F	<u>BF141896.D</u>
Compound Name	Response	Retention Time
DDT	1358235	13.562
DDD	20094	13.292
DDE	930	12.921
SUM(DDD+DDE)	SUM(DDT+DDD+DDE)	% Breakdown Of DDT
21024	1379259	1.52

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF031025\
Data File : BF141896.D
Acq On : 10 Mar 2025 10:31
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DFTPP

Quant Time: Mar 10 16:16:58 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF031025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Mar 10 15:46:22 2025
Response via : Initial Calibration



TIC: BF141896.D\data.ms

(70) Pentachlorophenol (C)

11.204min (-0.000) 118650.09 ng

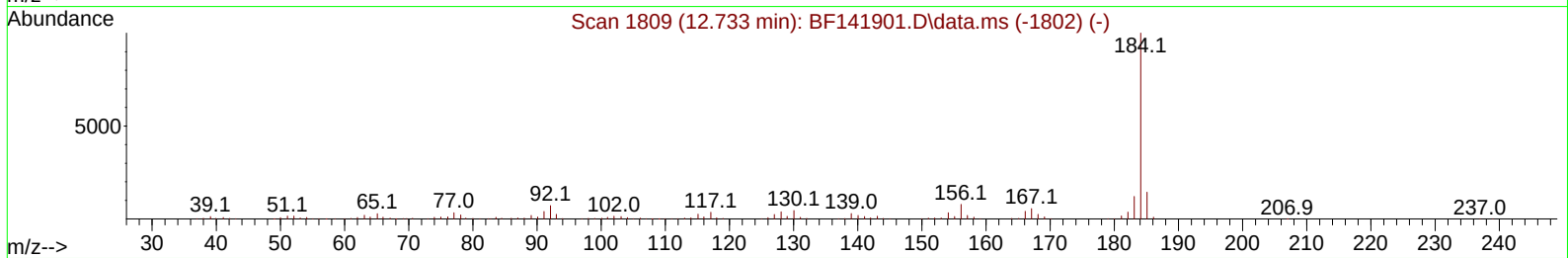
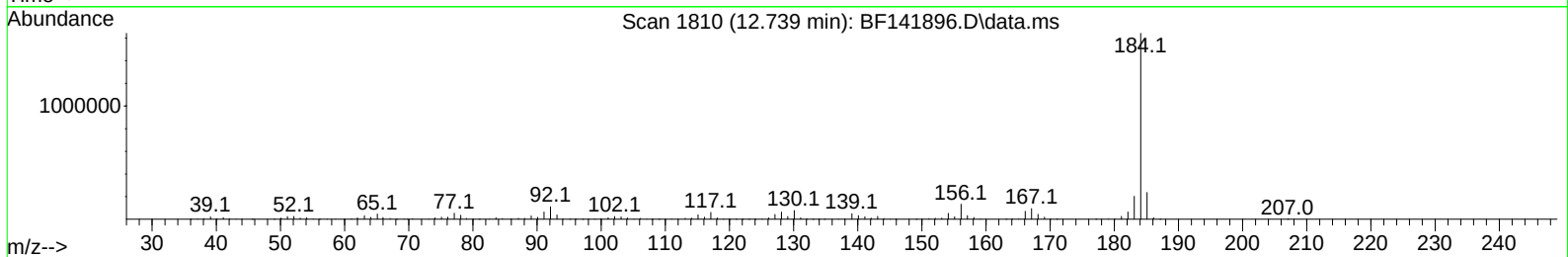
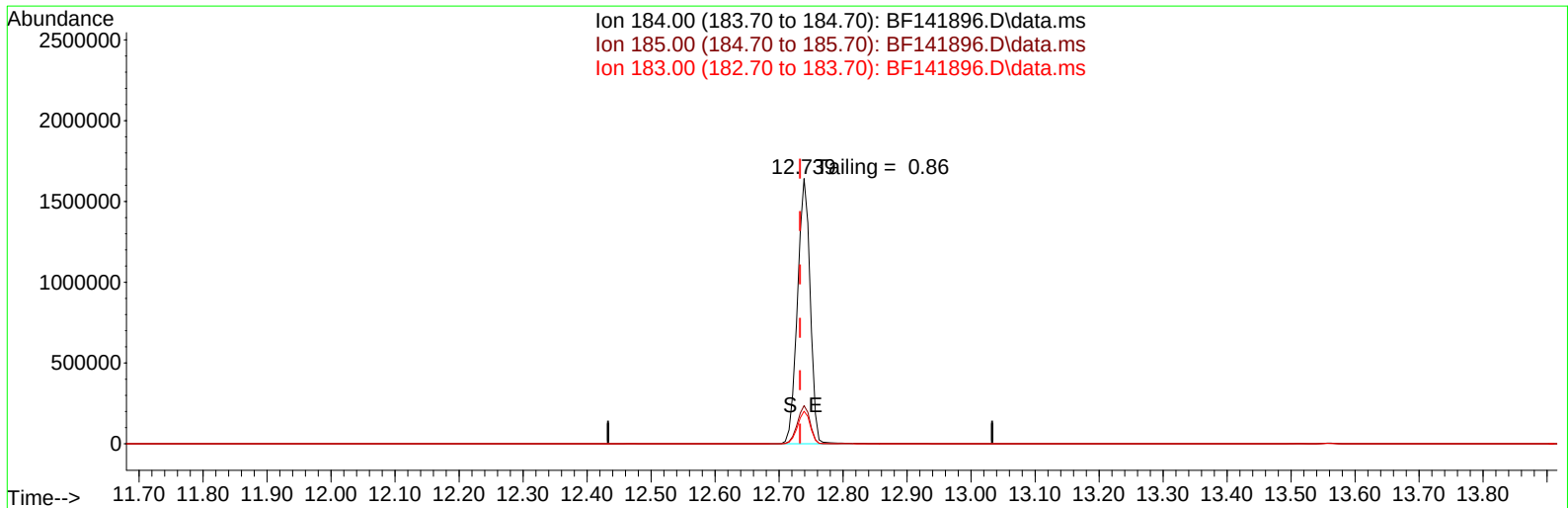
response 544757

Ion	Exp%	Act%
265.70	100.00	100.00
268.00	63.80	64.05
264.00	62.70	63.55
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF031025\
Data File : BF141896.D
Acq On : 10 Mar 2025 10:31
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DFTPP

Quant Time: Mar 10 16:16:58 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF031025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Mar 10 15:46:22 2025
Response via : Initial Calibration



TIC: BF141896.D\data.ms

(77) Benzidine

12.739min (+ 0.006) 203796.44 ng

response 2274676

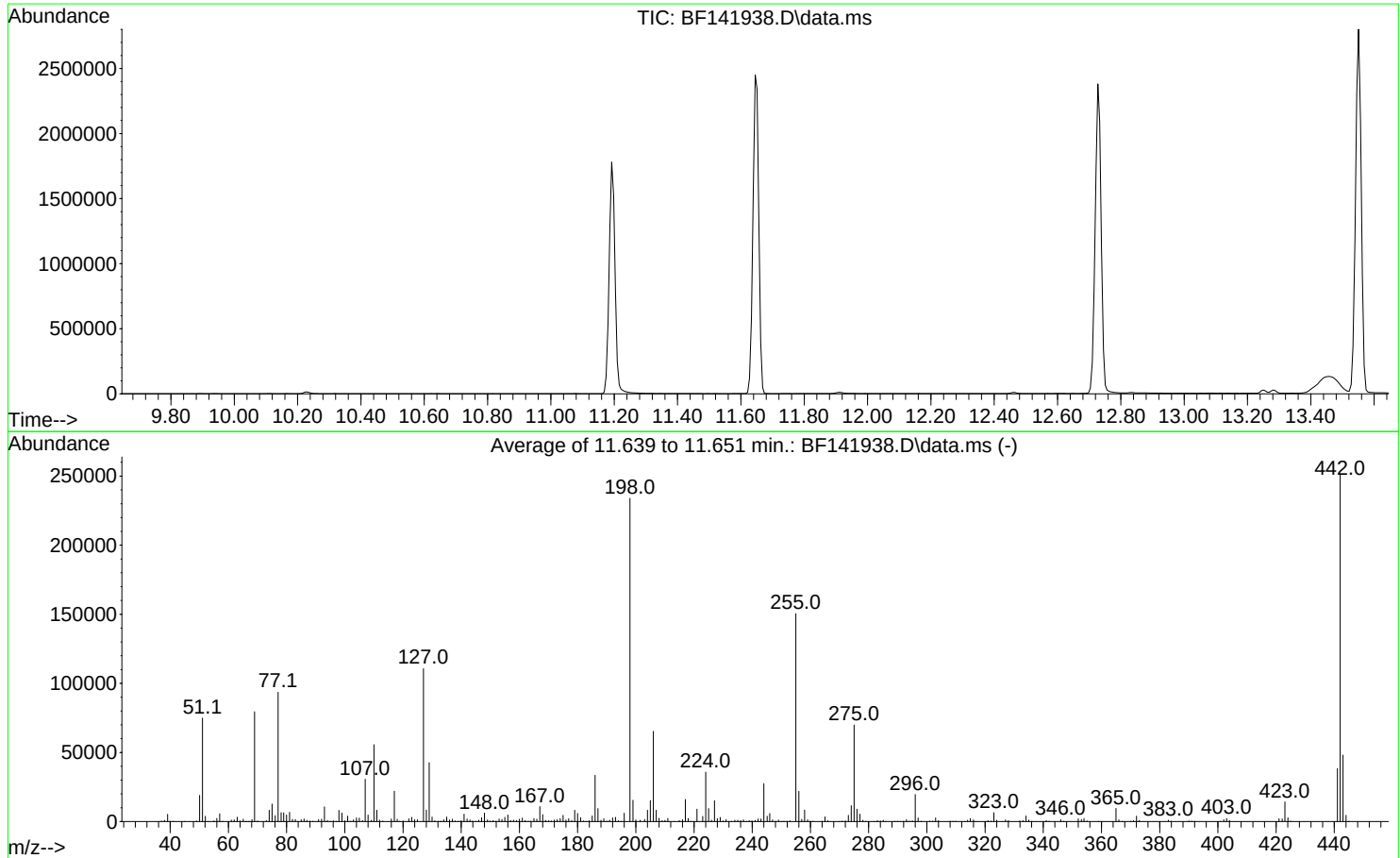
Ion	Exp%	Act%
184.00	100.00	100.00
185.00	14.40	14.38
183.00	12.10	12.32
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF031325\
Data File : BF141938.D
Acq On : 13 Mar 2025 11:48
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DFTPP

Integration File: rteint.p

Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF031025.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Mon Mar 10 15:46:22 2025



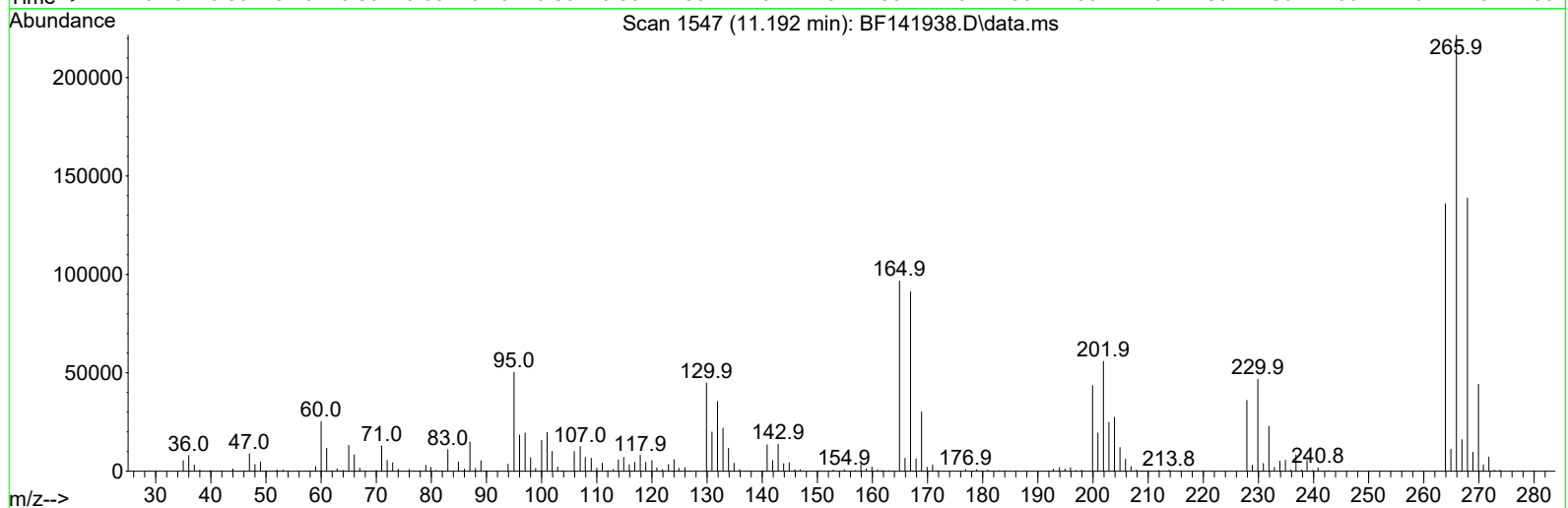
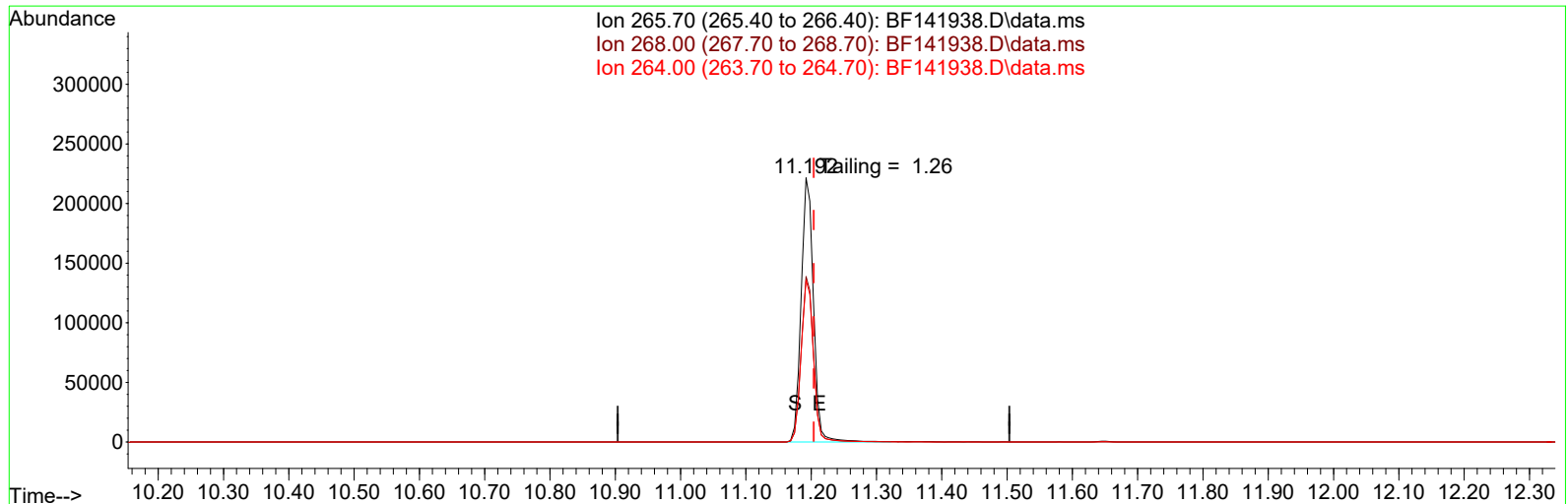
AutoFind: Scans 1623, 1624, 1625; Background Corrected with Scan 1617

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	10	80	32.0	74819	PASS
68	69	0.00	2	1.8	1404	PASS
69	198	0.00	100	34.0	79429	PASS
70	69	0.00	2	0.6	451	PASS
127	198	10	80	47.3	110651	PASS
197	198	0.00	2	0.0	0	PASS
198	198	100	100	100.0	233877	PASS
199	198	5	9	6.6	15462	PASS
275	198	10	60	29.9	69864	PASS
365	198	1	100	4.1	9507	PASS
441	198	0.01	100	16.4	38323	PASS
442	442	50	100	100.0	251264	PASS
443	442	15	24	19.1	48053	PASS

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF031325\
Data File : BF141938.D
Acq On : 13 Mar 2025 11:48
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DFTPP

Quant Time: Mar 13 13:04:54 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF031025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Mar 10 15:46:22 2025
Response via : Initial Calibration



TIC: BF141938.D\data.ms

(70) Pentachlorophenol (C)

11.192min (-0.012) 133427.78 ng

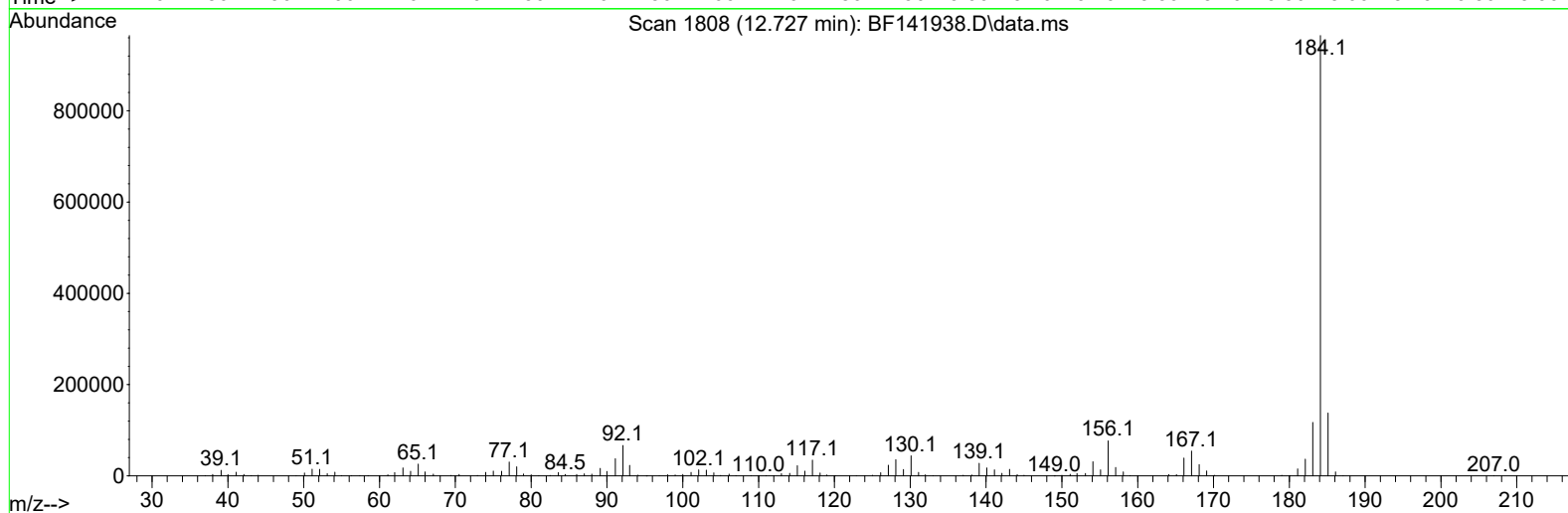
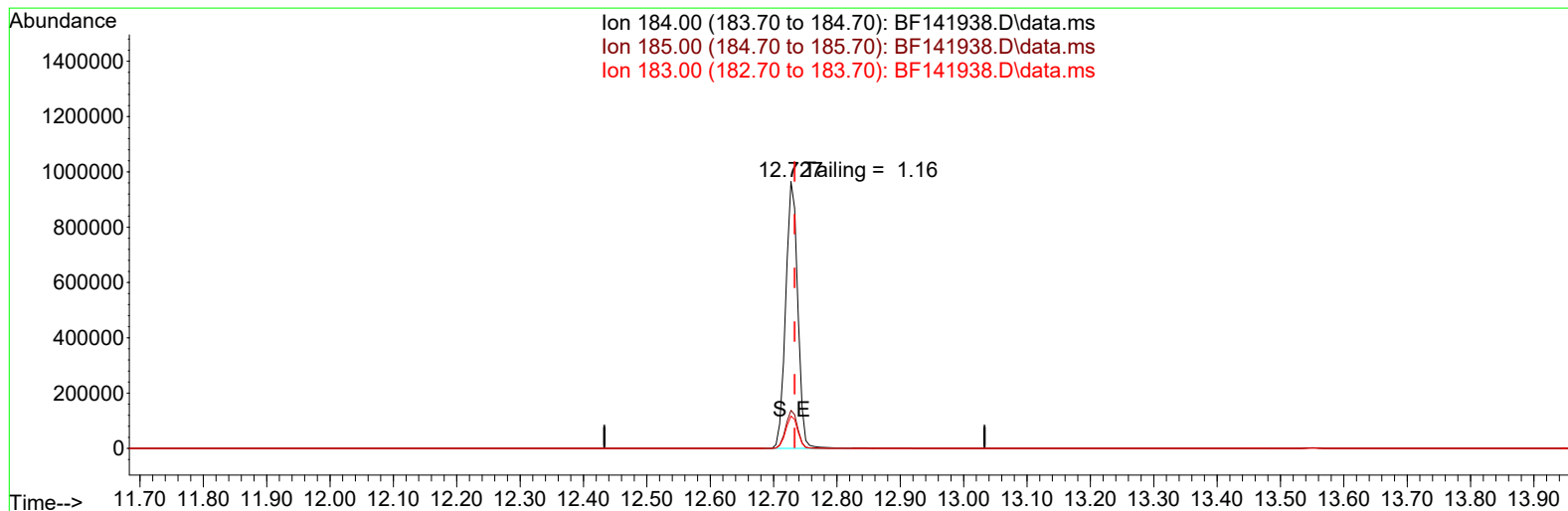
response 291016

Ion	Exp%	Act%
265.70	100.00	100.00
268.00	63.80	62.65
264.00	62.70	61.35
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF031325\
Data File : BF141938.D
Acq On : 13 Mar 2025 11:48
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DFTPP

Quant Time: Mar 13 13:04:54 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF031025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Mar 10 15:46:22 2025
Response via : Initial Calibration



TIC: BF141938.D\data.ms

(77) Benzidine

12.727min (-0.006) 527010.30 ng

response 1286738

Ion	Exp%	Act%
184.00	100.00	100.00
185.00	14.40	14.29
183.00	12.10	12.13
0.00	0.00	0.00

Instrument :
BNA_F
ClientSampleId :
DFTPP

DDT Breakdown

Date	Instrument Name	DFTPP Data File
3/13/2025	BNA_F	<u>BF141938.D</u>
Compound Name	Response	Retention Time
DDT	695260	13.551
DDD	12936	13.251
DDE	425	12.916
SUM(DDD+DDE)	SUM(DDT+DDD+DDE)	% Breakdown Of DDT
13361	708621	1.89

Report of Analysis

Client:	Weston Solutions	Date Collected:	
Project:	Ft Meade Tipton Airfield Parcel RI - PO 0111169	Date Received:	
Client Sample ID:	PB167097BL	SDG No.:	Q1539
Lab Sample ID:	PB167097BL	Matrix:	Water
Analytical Method:	SW8270	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	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 :	SW3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF141940.D	1	03/12/25 08:45	03/13/25 12:47	PB167097

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
100-52-7	Benzaldehyde	8.00	U	3.90	8.00	10.0	ug/L
108-95-2	Phenol	4.00	U	0.91	4.00	5.00	ug/L
111-44-4	bis(2-Chloroethyl)ether	4.00	U	0.81	4.00	5.00	ug/L
95-57-8	2-Chlorophenol	4.00	U	0.58	4.00	5.00	ug/L
95-48-7	2-Methylphenol	4.00	U	1.10	4.00	5.00	ug/L
108-60-1	2,2-oxybis(1-Chloropropane)	4.00	U	1.30	4.00	5.00	ug/L
98-86-2	Acetophenone	4.00	U	0.74	4.00	5.00	ug/L
65794-96-9	3+4-Methylphenols	8.00	U	1.10	8.00	10.0	ug/L
621-64-7	n-Nitroso-di-n-propylamine	2.50	U	1.40	2.50	2.50	ug/L
67-72-1	Hexachloroethane	4.00	U	0.65	4.00	5.00	ug/L
98-95-3	Nitrobenzene	4.00	U	0.76	4.00	5.00	ug/L
78-59-1	Isophorone	4.00	U	0.75	4.00	5.00	ug/L
88-75-5	2-Nitrophenol	4.00	U	1.80	4.00	5.00	ug/L
105-67-9	2,4-Dimethylphenol	4.00	U	1.90	4.00	5.00	ug/L
111-91-1	bis(2-Chloroethoxy)methane	4.00	U	0.68	4.00	5.00	ug/L
120-83-2	2,4-Dichlorophenol	4.00	U	0.52	4.00	5.00	ug/L
91-20-3	Naphthalene	4.00	U	0.50	4.00	5.00	ug/L
106-47-8	4-Chloroaniline	4.00	U	0.84	4.00	5.00	ug/L
87-68-3	Hexachlorobutadiene	4.00	U	0.54	4.00	5.00	ug/L
105-60-2	Caprolactam	8.00	U	1.10	8.00	10.0	ug/L
59-50-7	4-Chloro-3-methylphenol	4.00	U	0.59	4.00	5.00	ug/L
91-57-6	2-Methylnaphthalene	4.00	U	0.56	4.00	5.00	ug/L
77-47-4	Hexachlorocyclopentadiene	8.00	U	3.60	8.00	10.0	ug/L
88-06-2	2,4,6-Trichlorophenol	4.00	U	0.51	4.00	5.00	ug/L
95-95-4	2,4,5-Trichlorophenol	4.00	U	0.62	4.00	5.00	ug/L
92-52-4	1,1-Biphenyl	4.00	U	0.53	4.00	5.00	ug/L
91-58-7	2-Chloronaphthalene	4.00	U	0.61	4.00	5.00	ug/L
88-74-4	2-Nitroaniline	4.00	U	1.30	4.00	5.00	ug/L
131-11-3	Dimethylphthalate	4.00	U	0.61	4.00	5.00	ug/L

Report of Analysis

Client:	Weston Solutions	Date Collected:	
Project:	Ft Meade Tipton Airfield Parcel RI - PO 0111169	Date Received:	
Client Sample ID:	PB167097BL	SDG No.:	Q1539
Lab Sample ID:	PB167097BL	Matrix:	Water
Analytical Method:	SW8270	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	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 :	SW3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF141940.D	1	03/12/25 08:45	03/13/25 12:47	PB167097

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
208-96-8	Acenaphthylene	4.00	U	0.75	4.00	5.00	ug/L
606-20-2	2,6-Dinitrotoluene	4.00	U	0.92	4.00	5.00	ug/L
99-09-2	3-Nitroaniline	4.00	U	1.10	4.00	5.00	ug/L
83-32-9	Acenaphthene	4.00	U	0.55	4.00	5.00	ug/L
51-28-5	2,4-Dinitrophenol	8.00	U	6.00	8.00	10.0	ug/L
100-02-7	4-Nitrophenol	8.00	U	2.40	8.00	10.0	ug/L
132-64-9	Dibenzofuran	4.00	U	0.61	4.00	5.00	ug/L
121-14-2	2,4-Dinitrotoluene	4.00	U	1.20	4.00	5.00	ug/L
84-66-2	Diethylphthalate	4.00	U	0.69	4.00	5.00	ug/L
7005-72-3	4-Chlorophenyl-phenylether	4.00	U	0.68	4.00	5.00	ug/L
86-73-7	Fluorene	4.00	U	0.63	4.00	5.00	ug/L
100-01-6	4-Nitroaniline	4.00	U	1.50	4.00	5.00	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	8.00	U	2.90	8.00	10.0	ug/L
86-30-6	n-Nitrosodiphenylamine	4.00	U	0.58	4.00	5.00	ug/L
101-55-3	4-Bromophenyl-phenylether	4.00	U	0.40	4.00	5.00	ug/L
118-74-1	Hexachlorobenzene	4.00	U	0.52	4.00	5.00	ug/L
1912-24-9	Atrazine	4.00	U	1.00	4.00	5.00	ug/L
87-86-5	Pentachlorophenol	8.00	U	1.60	8.00	10.0	ug/L
85-01-8	Phenanthrene	4.00	U	0.50	4.00	5.00	ug/L
120-12-7	Anthracene	4.00	U	0.61	4.00	5.00	ug/L
86-74-8	Carbazole	4.00	U	0.72	4.00	5.00	ug/L
84-74-2	Di-n-butylphthalate	4.00	U	1.20	4.00	5.00	ug/L
206-44-0	Fluoranthene	4.00	U	0.82	4.00	5.00	ug/L
129-00-0	Pyrene	4.00	U	0.50	4.00	5.00	ug/L
85-68-7	Butylbenzylphthalate	4.00	U	1.90	4.00	5.00	ug/L
91-94-1	3,3-Dichlorobenzidine	8.00	U	0.93	8.00	10.0	ug/L
56-55-3	Benzo(a)anthracene	4.00	U	0.45	4.00	5.00	ug/L
218-01-9	Chrysene	4.00	U	0.44	4.00	5.00	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	4.00	U	1.60	4.00	5.00	ug/L
117-84-0	Di-n-octyl phthalate	8.00	U	2.30	8.00	10.0	ug/L
205-99-2	Benzo(b)fluoranthene	4.00	U	0.49	4.00	5.00	ug/L

Report of Analysis

Client:	Weston Solutions	Date Collected:	
Project:	Ft Meade Tipton Airfield Parcel RI - PO 0111169	Date Received:	
Client Sample ID:	PB167097BL	SDG No.:	Q1539
Lab Sample ID:	PB167097BL	Matrix:	Water
Analytical Method:	SW8270	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	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 :	SW3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF141940.D	1	03/12/25 08:45	03/13/25 12:47	PB167097

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
207-08-9	Benzo(k)fluoranthene	4.00	U	0.48	4.00	5.00	ug/L
50-32-8	Benzo(a)pyrene	4.00	U	0.55	4.00	5.00	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	4.00	U	0.59	4.00	5.00	ug/L
53-70-3	Dibenzo(a,h)anthracene	4.00	U	0.67	4.00	5.00	ug/L
191-24-2	Benzo(g,h,i)perylene	4.00	U	0.69	4.00	5.00	ug/L
95-94-3	1,2,4,5-Tetrachlorobenzene	4.00	U	0.52	4.00	5.00	ug/L
123-91-1	1,4-Dioxane	4.00	U	1.00	4.00	5.00	ug/L
58-90-2	2,3,4,6-Tetrachlorophenol	4.00	U	0.72	4.00	5.00	ug/L
SURROGATES							
367-12-4	2-Fluorophenol	134		19 - 119		90%	SPK: 150
13127-88-3	Phenol-d6	130		10 - 130		86%	SPK: 150
4165-60-0	Nitrobenzene-d5	93.3		44 - 120		93%	SPK: 100
321-60-8	2-Fluorobiphenyl	90.0		44 - 119		90%	SPK: 100
118-79-6	2,4,6-Tribromophenol	154		43 - 140		102%	SPK: 150
1718-51-0	Terphenyl-d14	87.3		50 - 134		87%	SPK: 100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	177000	6.875				
1146-65-2	Naphthalene-d8	706000	8.157				
15067-26-2	Acenaphthene-d10	408000	9.91				
1517-22-2	Phenanthrene-d10	770000	11.392				
1719-03-5	Chrysene-d12	602000	14.027				
1520-96-3	Perylene-d12	427000	15.498				
TENTATIVE IDENTIFIED COMPOUNDS							
000994-05-8	Butane, 2-methoxy-2-methyl-	2.30	J			2.26	ug/L
006311-48-4	(1,1-Biphenyl)-4,4-diamine, N,N	4.20	J			17.1	ug/L

Report of Analysis

Client:	Weston Solutions	Date Collected:	
Project:	Ft Meade Tipton Airfield Parcel RI - PO 0111169	Date Received:	
Client Sample ID:	PB167097BL	SDG No.:	Q1539
Lab Sample ID:	PB167097BL	Matrix:	Water
Analytical Method:	SW8270	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	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 :	SW3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF141940.D	1	03/12/25 08:45	03/13/25 12:47	PB167097

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF031325\
Data File : BF141940.D
Acq On : 13 Mar 2025 12:47
Operator : RC/JU
Sample : PB167097BL
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PB167097BL

Quant Time: Mar 13 13:06:16 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF031025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Mar 10 15:46:22 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.875	152	176773	20.000	ng	0.00
21) Naphthalene-d8	8.157	136	705846	20.000	ng	0.00
39) Acenaphthene-d10	9.910	164	407739	20.000	ng	0.00
64) Phenanthrene-d10	11.392	188	769835	20.000	ng	-0.01
76) Chrysene-d12	14.027	240	601564	20.000	ng	-0.01
86) Perylene-d12	15.498	264	427331	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.504	112	1423729	134.418	ng	0.01
7) Phenol-d6	6.498	99	1748591	129.663	ng	0.00
23) Nitrobenzene-d5	7.434	82	1170774	93.344	ng	-0.01
42) 2,4,6-Tribromophenol	10.698	330	794330	153.562	ng	0.00
45) 2-Fluorobiphenyl	9.228	172	2412754	89.992	ng	-0.01
79) Terphenyl-d14	12.986	244	3551821	87.293	ng	0.00

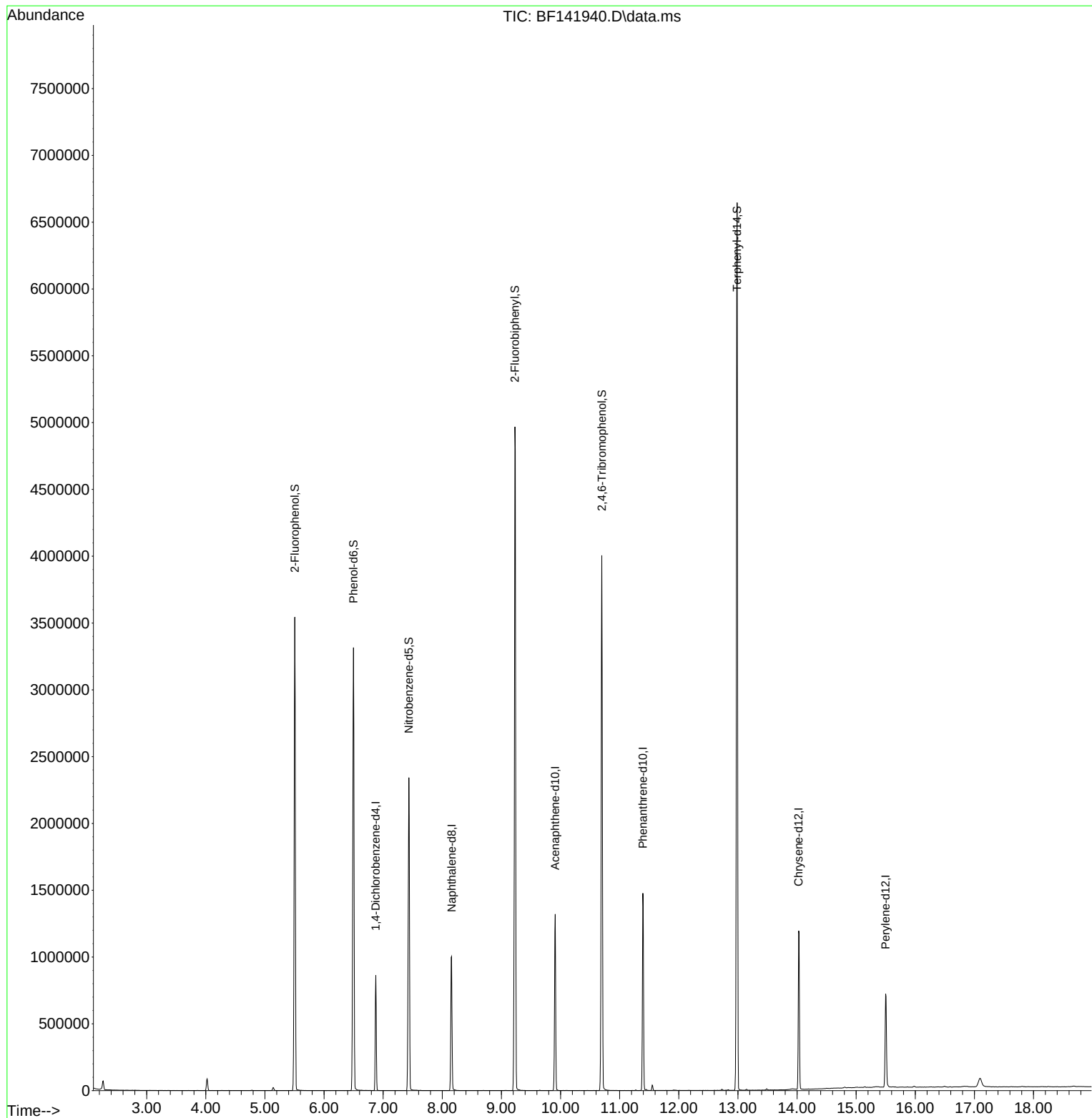
Target Compounds	Qvalue

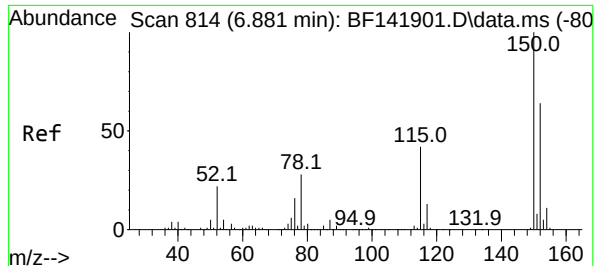
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF031325\
Data File : BF141940.D
Acq On : 13 Mar 2025 12:47
Operator : RC/JU
Sample : PB167097BL
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PB167097BL

Quant Time: Mar 13 13:06:16 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF031025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Mar 10 15:46:22 2025
Response via : Initial Calibration

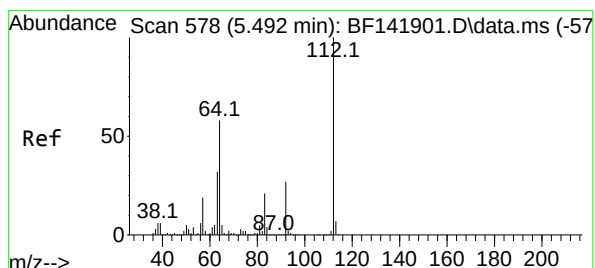
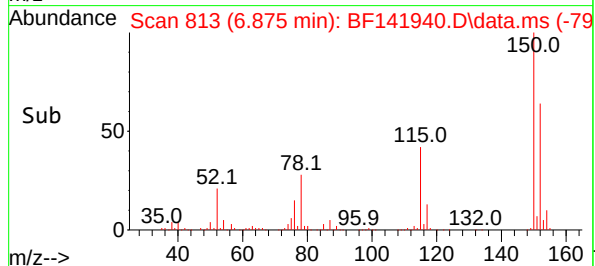
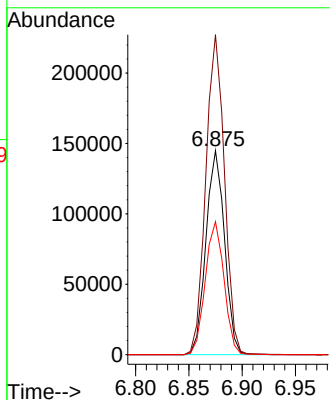
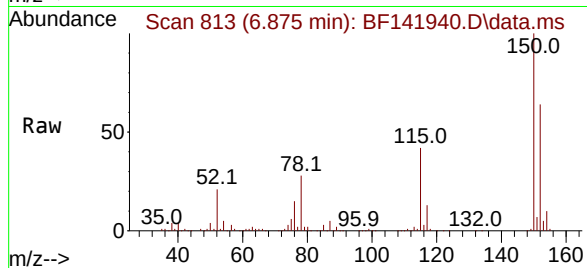




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.875 min Scan# 814
Delta R.T. -0.006 min
Lab File: BF141940.D
Acq: 13 Mar 2025 12:47

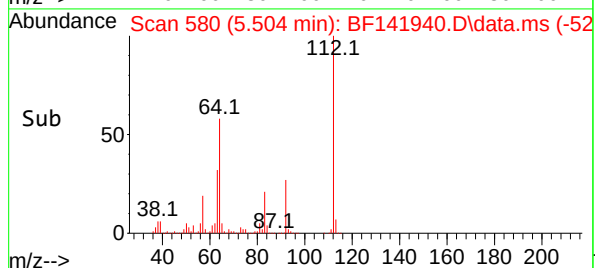
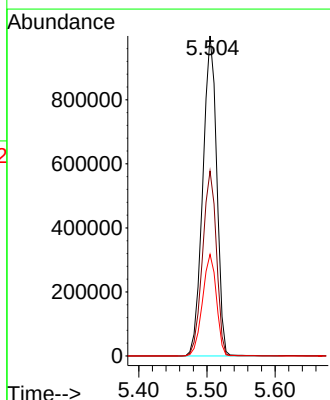
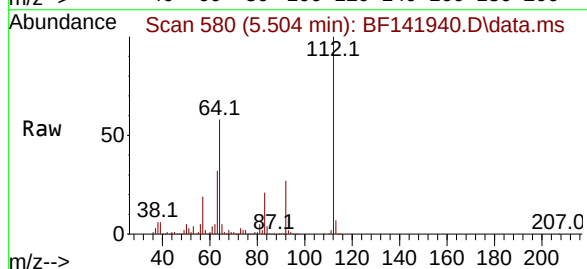
Instrument :
BNA_F
ClientSampleId :
PB167097BL

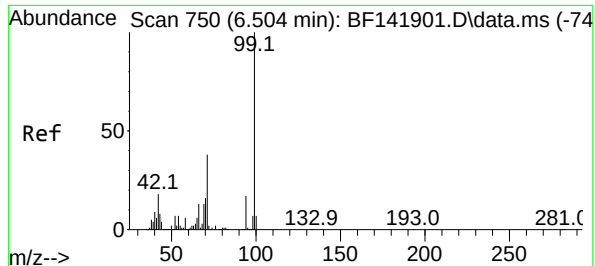
Tgt Ion:152 Resp: 176773
Ion Ratio Lower Upper
152 100
150 156.9 127.4 191.2
115 65.2 51.9 77.9



#5
2-Fluorophenol
Concen: 134.418 ng
RT: 5.504 min Scan# 580
Delta R.T. 0.012 min
Lab File: BF141940.D
Acq: 13 Mar 2025 12:47

Tgt Ion:112 Resp: 1423729
Ion Ratio Lower Upper
112 100
64 57.8 46.5 69.7
63 31.8 25.4 38.2

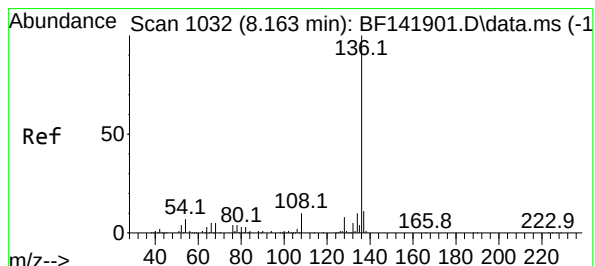
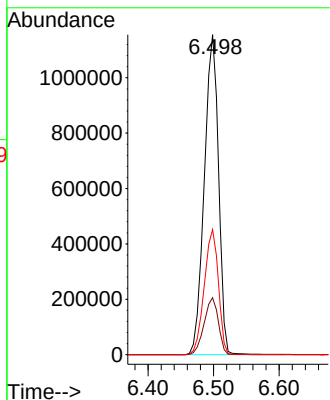
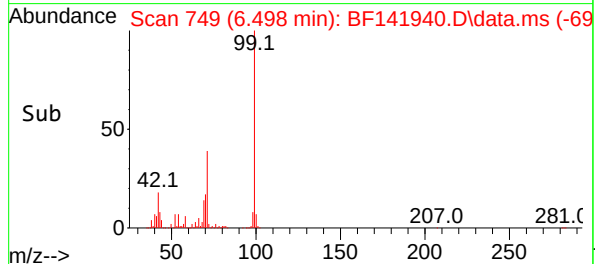
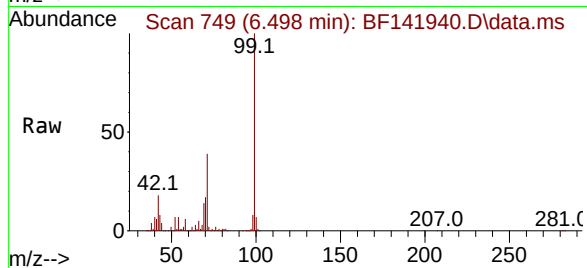




#7
Phenol-d6
Concen: 129.663 ng
RT: 6.498 min Scan# 74
Delta R.T. -0.006 min
Lab File: BF141940.D
Acq: 13 Mar 2025 12:47

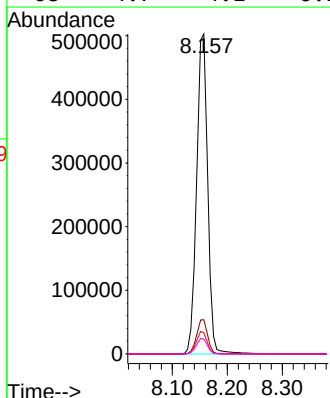
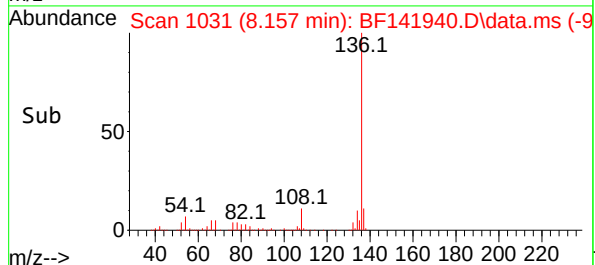
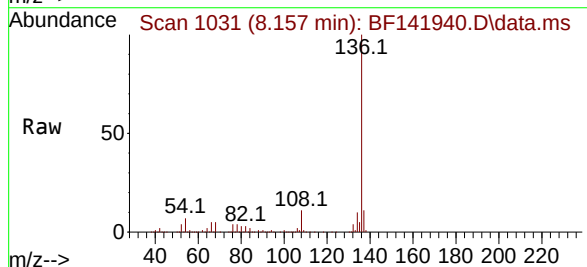
Instrument :
BNA_F
ClientSampleId :
PB167097BL

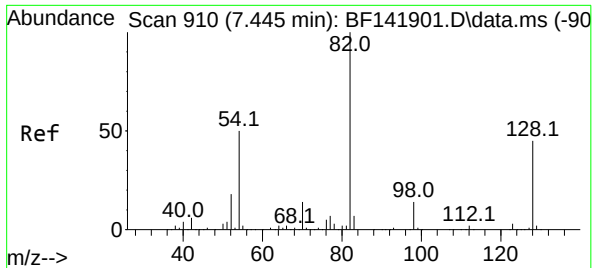
Tgt Ion: 99 Resp: 1748591
Ion Ratio Lower Upper
99 100
42 17.8 14.6 21.8
71 39.1 30.8 46.2



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.157 min Scan# 1031
Delta R.T. -0.006 min
Lab File: BF141940.D
Acq: 13 Mar 2025 12:47

Tgt Ion:136 Resp: 705846
Ion Ratio Lower Upper
136 100
137 10.7 8.8 13.2
54 6.7 5.8 8.8
68 4.7 4.1 6.1





#23

Nitrobenzene-d5

Concen: 93.344 ng

RT: 7.434 min Scan# 90

Delta R.T. -0.012 min

Lab File: BF141940.D

Acq: 13 Mar 2025 12:47

Instrument :

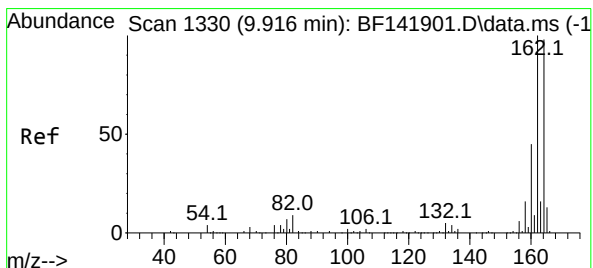
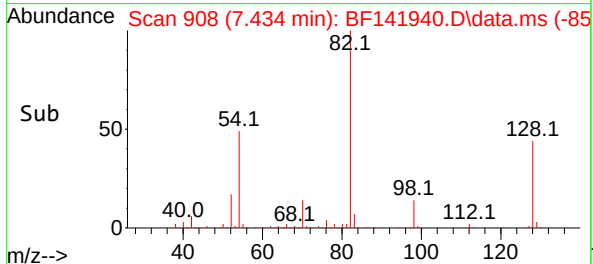
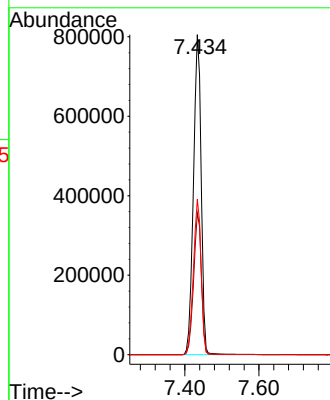
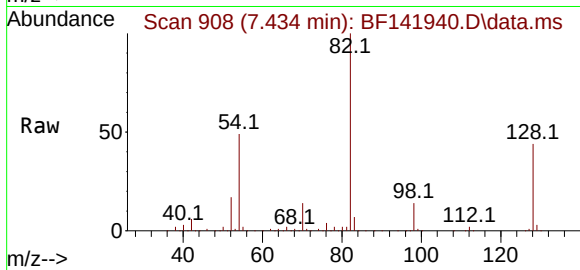
BNA_F

ClientSampleId :

PB167097BL

Tgt Ion: 82 Resp: 1170774

Ion	Ratio	Lower	Upper
82	100		
128	44.3	36.0	54.0
54	48.6	39.6	59.4



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.910 min Scan# 1329

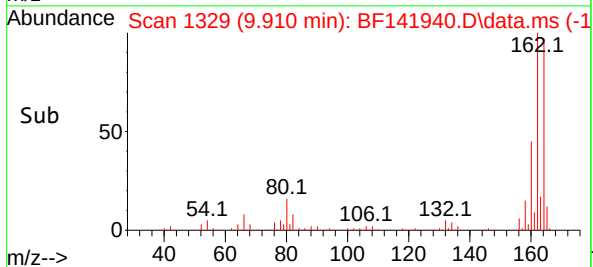
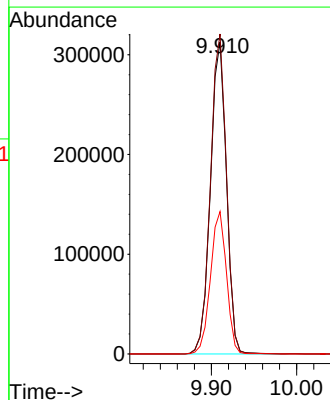
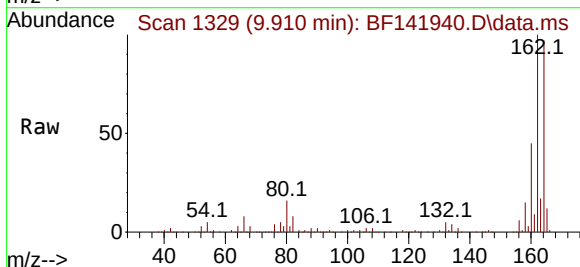
Delta R.T. -0.006 min

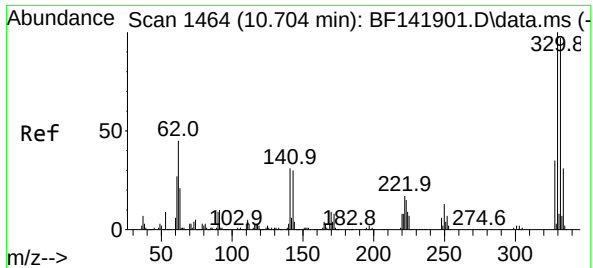
Lab File: BF141940.D

Acq: 13 Mar 2025 12:47

Tgt Ion: 164 Resp: 407739

Ion	Ratio	Lower	Upper
164	100		
162	102.6	81.8	122.6
160	45.7	36.7	55.1





#42

2,4,6-Tribromophenol

Concen: 153.562 ng

RT: 10.698 min Scan# 1463

Delta R.T. -0.006 min

Lab File: BF141940.D

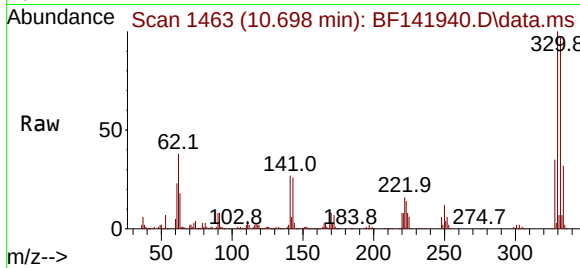
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Instrument :

BNA_F

ClientSampleId :

PB167097BL



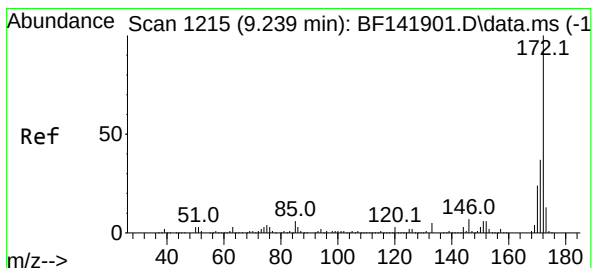
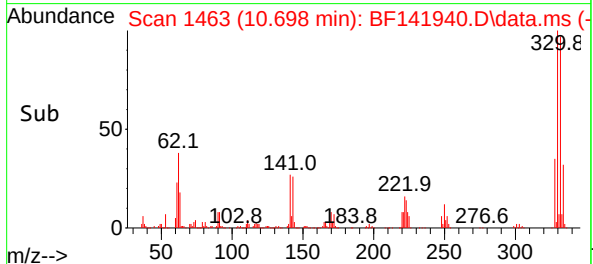
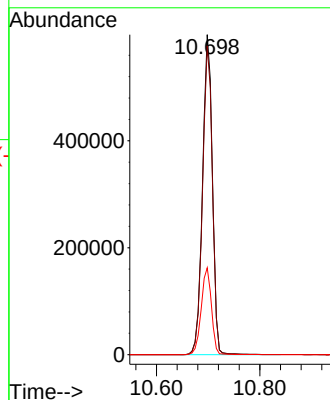
Tgt Ion:330 Resp: 794330

Ion Ratio Lower Upper

330 100

332 96.5 77.6 116.4

141 28.1 24.7 37.1



#45

2-Fluorobiphenyl

Concen: 89.992 ng

RT: 9.228 min Scan# 1213

Delta R.T. -0.012 min

Lab File: BF141940.D

Acq: 13 Mar 2025 12:47

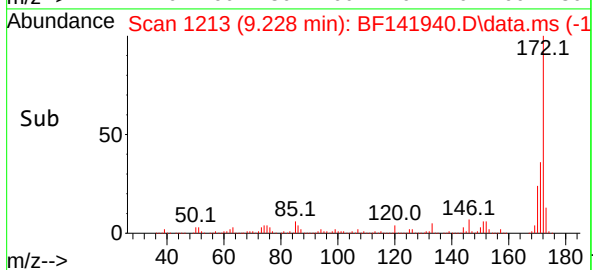
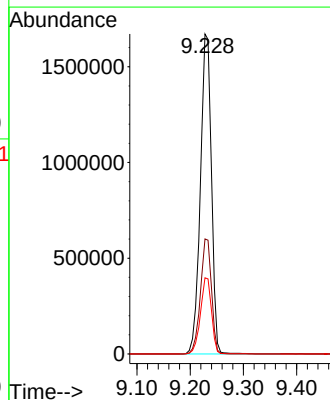
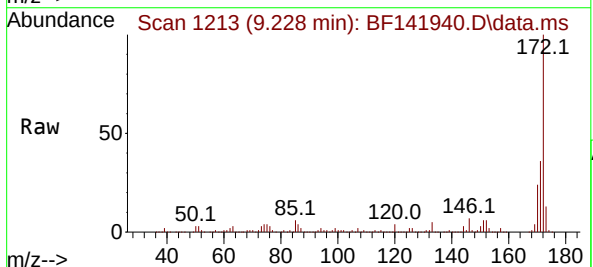
Tgt Ion:172 Resp: 2412754

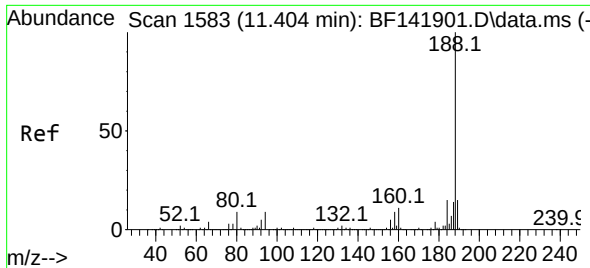
Ion Ratio Lower Upper

172 100

171 35.9 29.3 43.9

170 23.8 19.4 29.0

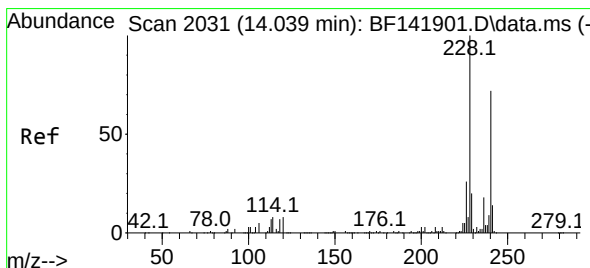
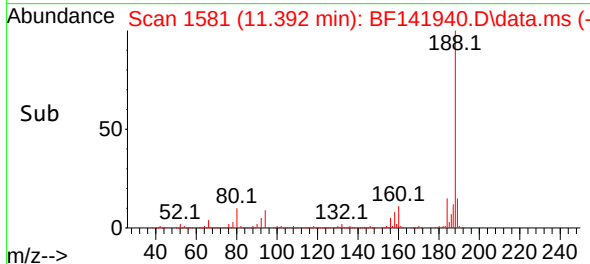
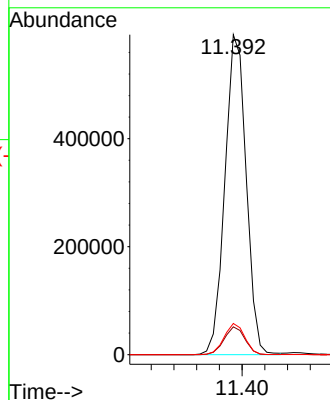
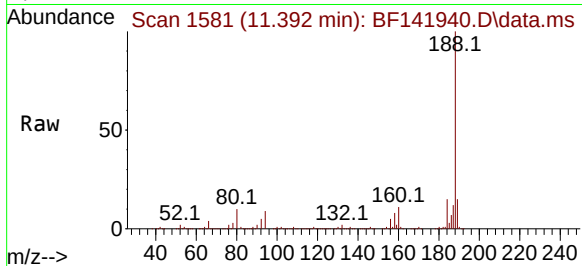




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.392 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF141940.D
Acq: 13 Mar 2025 12:47

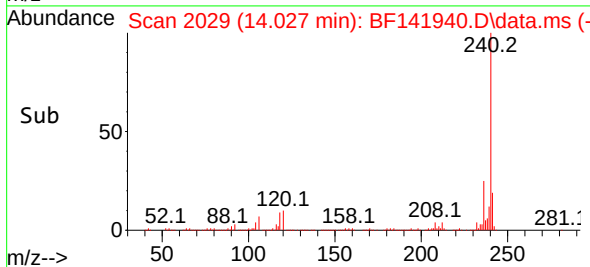
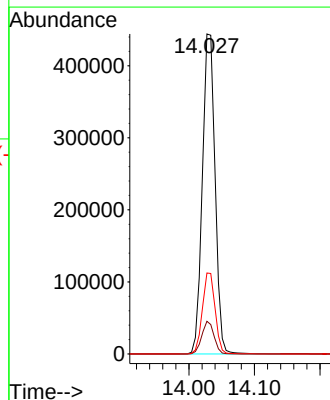
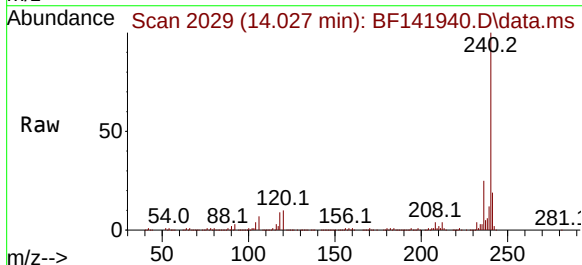
Instrument :
BNA_F
ClientSampleId :
PB167097BL

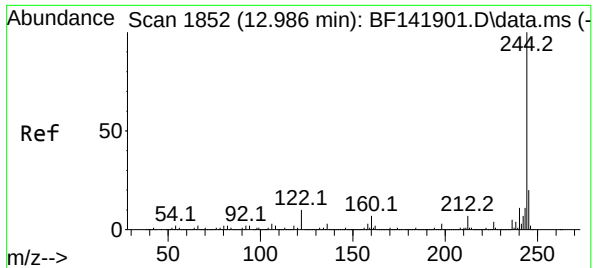
Tgt Ion:188 Resp: 769835
Ion Ratio Lower Upper
188 100
94 8.7 6.8 10.2
80 9.8 7.6 11.4



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.027 min Scan# 2029
Delta R.T. -0.012 min
Lab File: BF141940.D
Acq: 13 Mar 2025 12:47

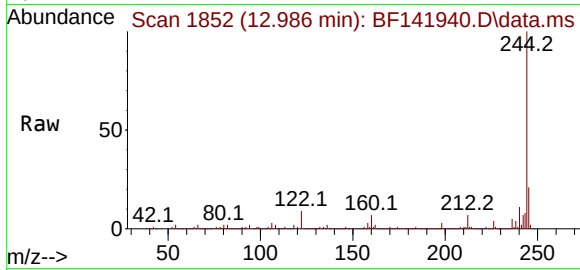
Tgt Ion:240 Resp: 601564
Ion Ratio Lower Upper
240 100
120 10.2 8.4 12.6
236 25.3 20.5 30.7



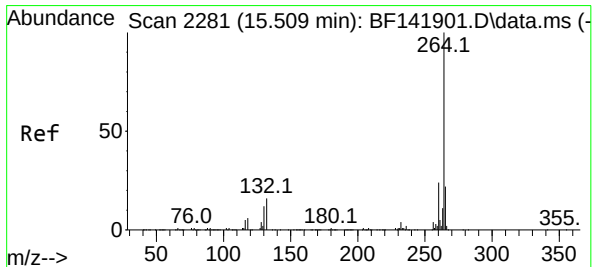
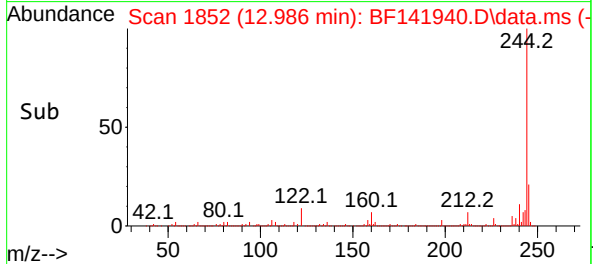
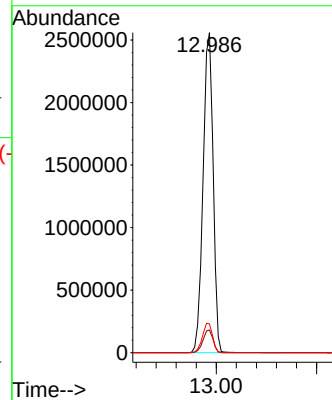


#79
Terphenyl-d14
Concen: 87.293 ng
RT: 12.986 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF141940.D
Acq: 13 Mar 2025 12:47

Instrument :
BNA_F
ClientSampleId :
PB167097BL

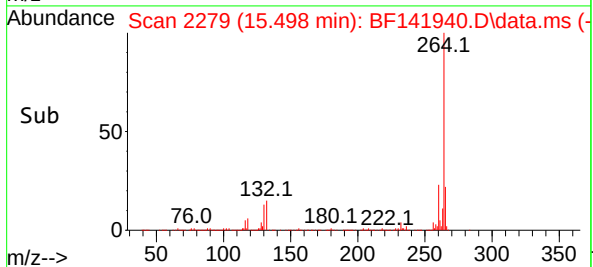
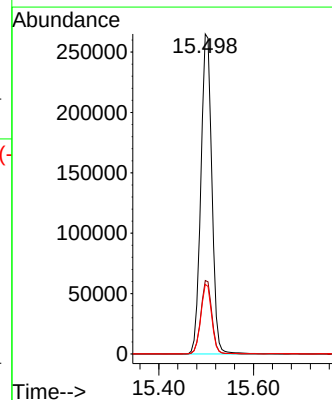
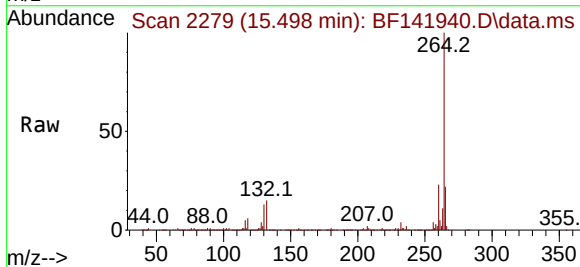


Tgt Ion:244 Resp: 3551821
Ion Ratio Lower Upper
244 100
212 7.1 6.0 9.0
122 9.0 7.7 11.5



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.498 min Scan# 2279
Delta R.T. -0.012 min
Lab File: BF141940.D
Acq: 13 Mar 2025 12:47

Tgt Ion:264 Resp: 427331
Ion Ratio Lower Upper
264 100
260 22.9 19.1 28.7
265 21.7 17.5 26.3



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF031325\
 Data File : BF141940.D
 Acq On : 13 Mar 2025 12:47
 Operator : RC/JU
 Sample : PB167097BL
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PB167097BL

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-BF031025.M

Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BF141940.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.263	19	29	35	rVB	66295	123425	1.34%	0.278%
2	4.022	320	328	335	rBV	87673	138212	1.50%	0.311%
3	5.504	573	580	585	rBV	3543487	5017984	54.28%	11.299%
4	6.498	741	749	754	rBV	3315611	4992279	54.00%	11.241%
5	6.875	808	813	818	rBV	862040	1053483	11.40%	2.372%
6	7.434	901	908	913	rBV	2341937	3377567	36.54%	7.605%
7	8.157	1024	1031	1048	rBV	1003822	1411915	15.27%	3.179%
8	9.228	1206	1213	1219	rBV	4966967	7066320	76.44%	15.911%
9	9.910	1322	1329	1334	rBV	1320063	1727053	18.68%	3.889%
10	10.698	1455	1463	1468	rBV	4004618	5386853	58.27%	12.129%
11	11.392	1575	1581	1588	rBV	1475639	1919416	20.76%	4.322%
12	12.986	1845	1852	1857	rBV	6642620	9244214	100.00%	20.815%
13	14.027	2024	2029	2040	rBV	1186774	1594332	17.25%	3.590%
14	15.498	2273	2279	2292	rBV	697845	1125023	12.17%	2.533%
15	17.092	2540	2550	2566	rVB3	61287	233888	2.53%	0.527%

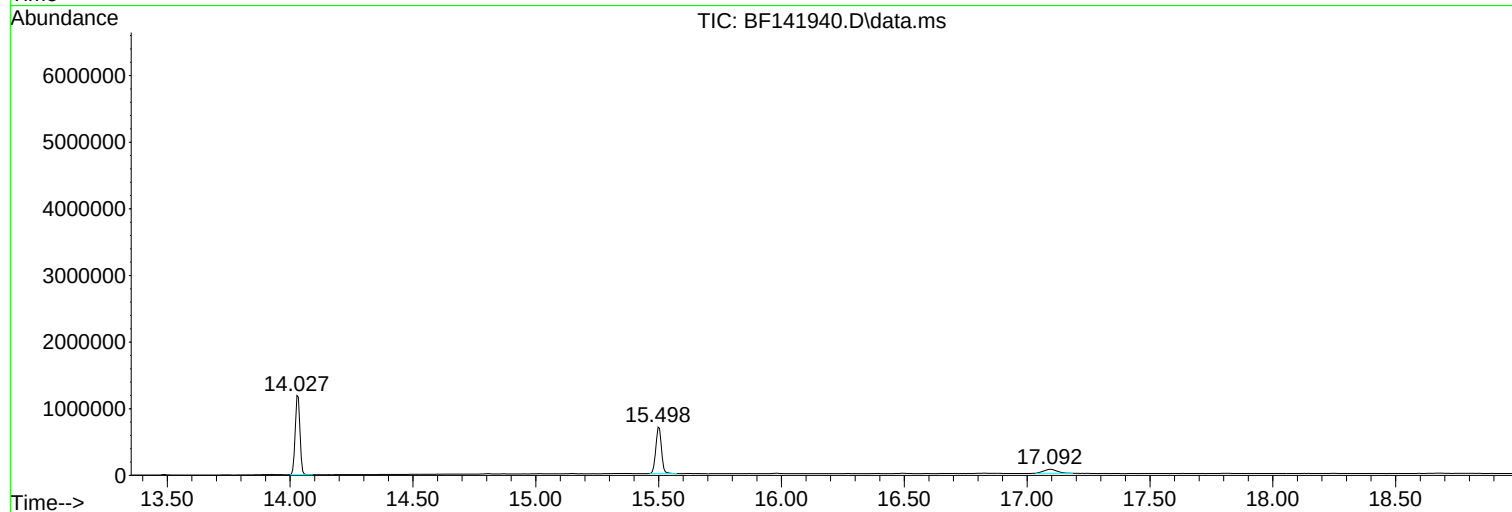
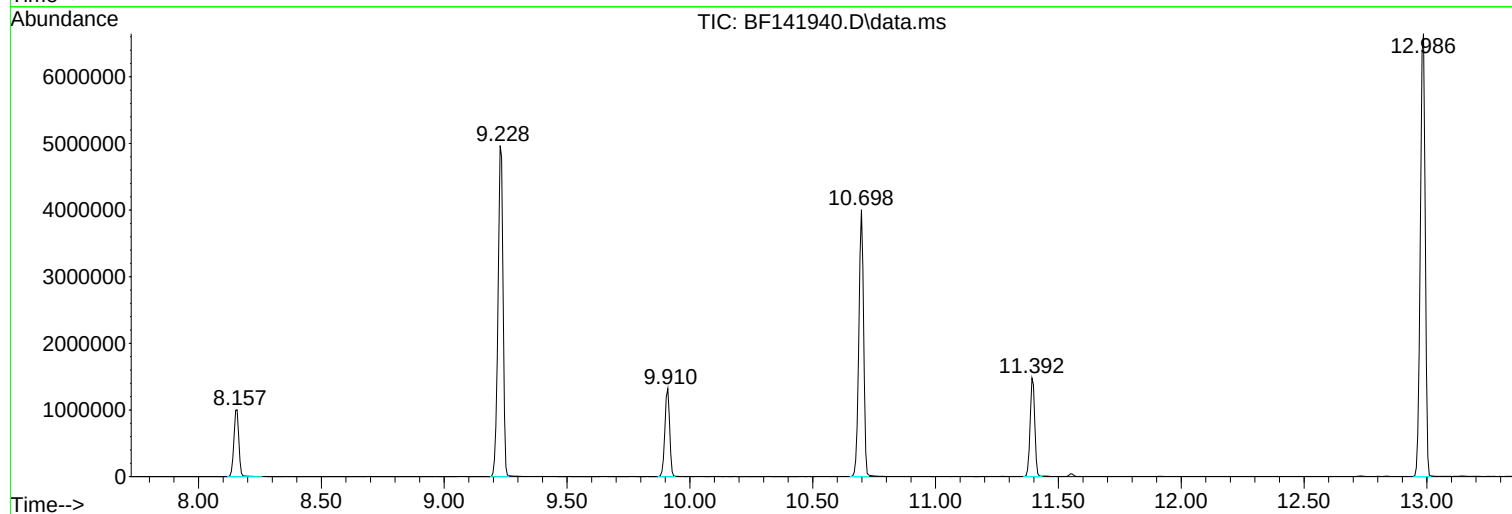
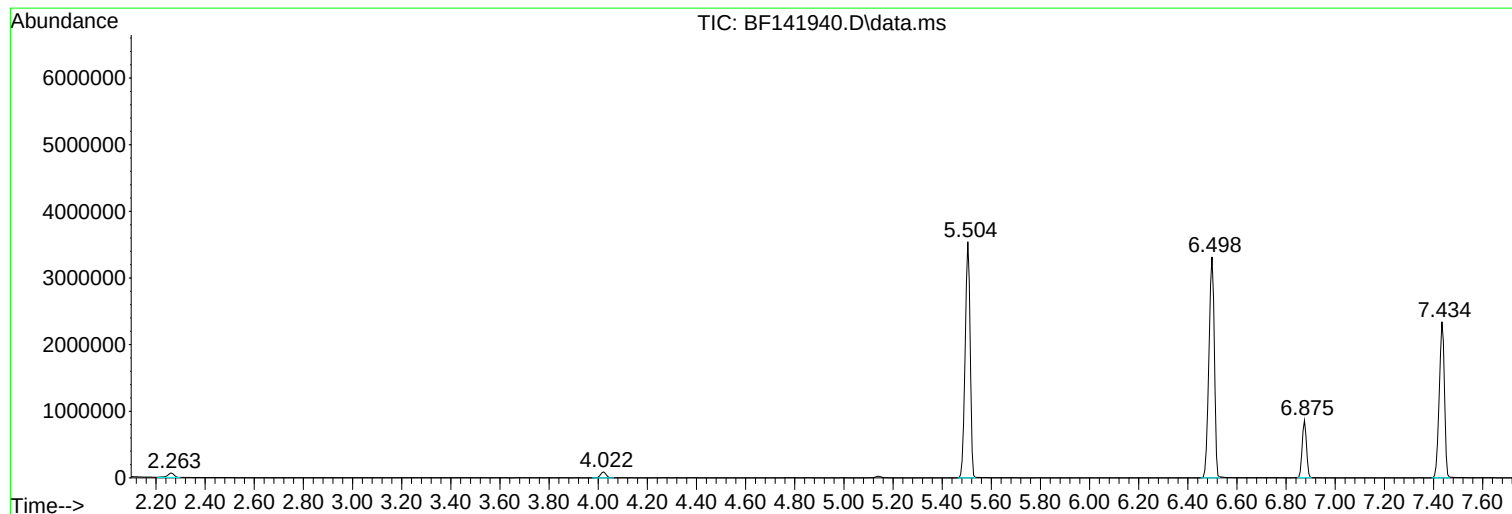
Sum of corrected areas: 44411964

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF031325\
Data File : BF141940.D
Acq On : 13 Mar 2025 12:47
Operator : RC/JU
Sample : PB167097BL
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PB167097BL

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF031025.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\BF031325\
Data File : BF141940.D
Acq On : 13 Mar 2025 12:47
Operator : RC/JU
Sample : PB167097BL
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PB167097BL

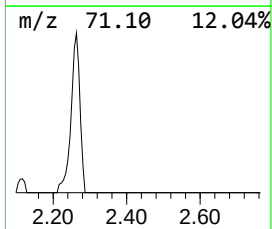
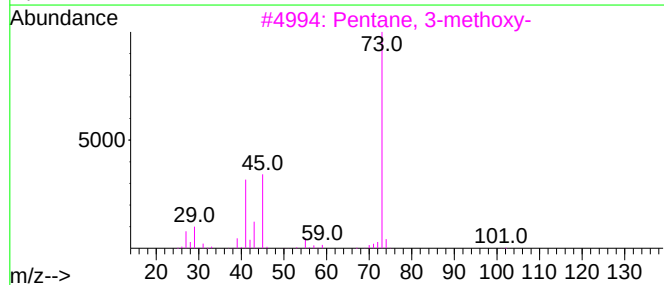
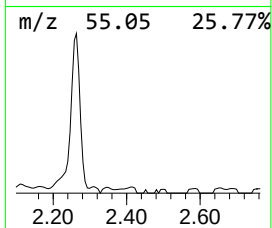
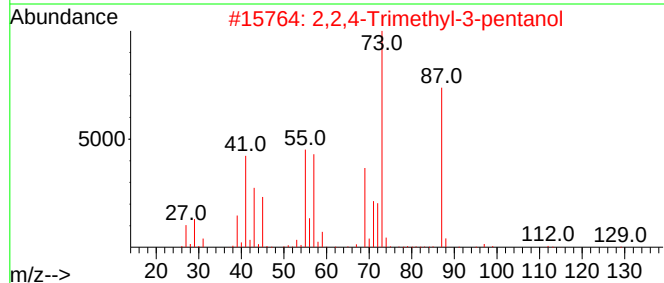
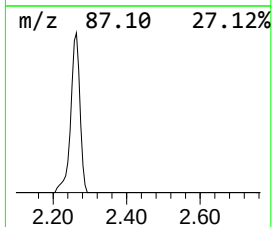
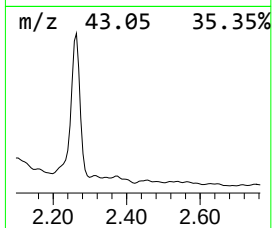
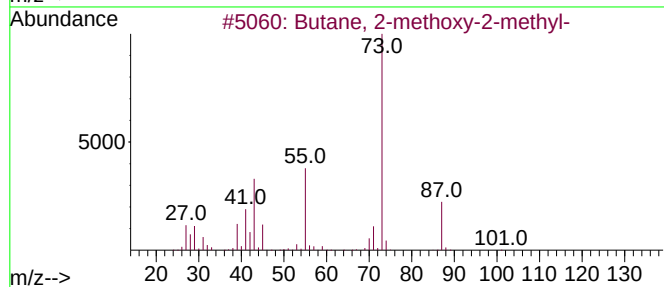
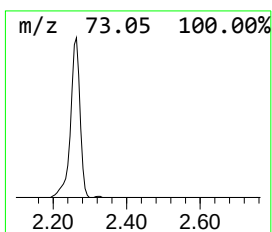
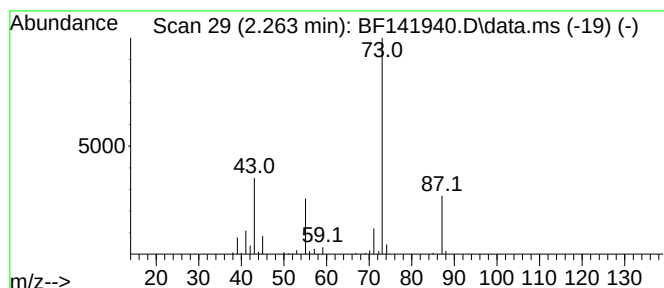
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF031025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 1 Butane, 2-methoxy-2-methyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.263	2.34 ng	123425	1,4-Dichlorobenzene-d4	6.875

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		Butane, 2-methoxy-2-methyl-	102	C6H14O	000994-05-8	83
2		2,2,4-Trimethyl-3-pentanol	130	C8H18O	005162-48-1	39
3		Pentane, 3-methoxy-	102	C6H14O	036839-67-5	23
4		Acetamide, N-ethyl-	87	C4H9NO	000625-50-3	9
5		N-Ethylformamide	73	C3H7NO	000627-45-2	9



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF031325\
Data File : BF141940.D
Acq On : 13 Mar 2025 12:47
Operator : RC/JU
Sample : PB167097BL
Misc :
ALS Vial : 3 Sample Multiplier: 1

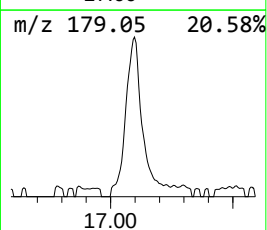
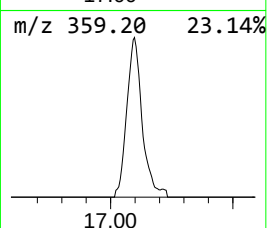
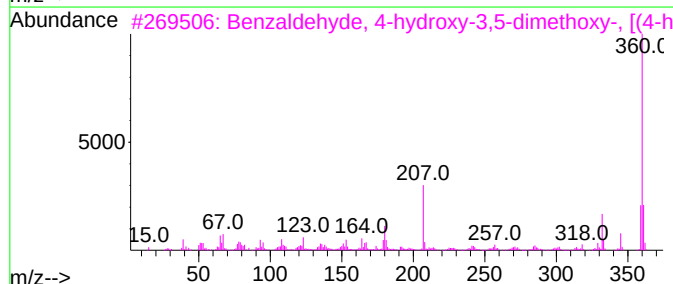
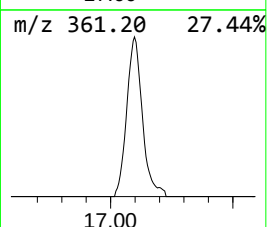
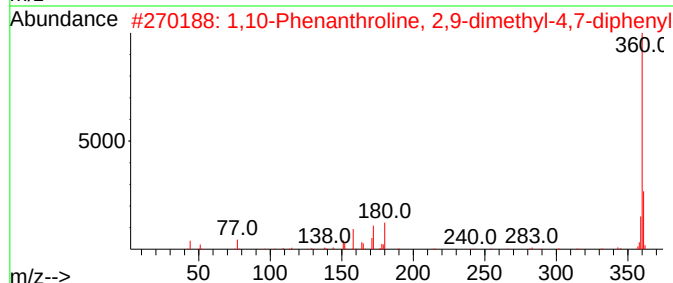
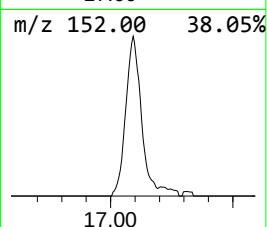
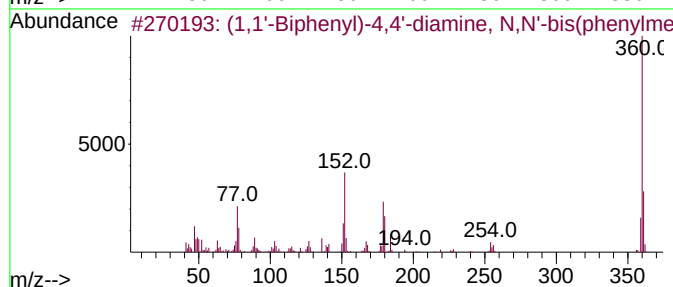
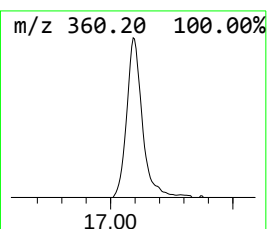
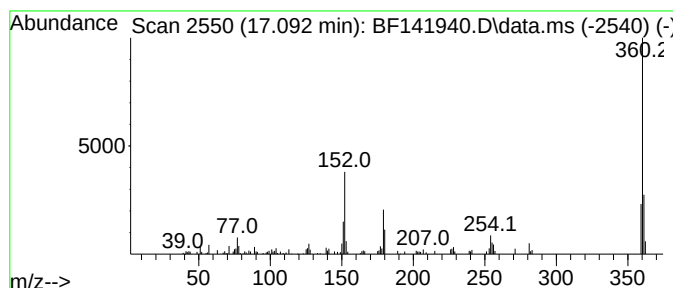
Instrument :
BNA_F
ClientSampleId :
PB167097BL

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF031025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 3 (1,1'-Biphenyl)-4,4'-diamin... Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.	
17.092	4.16 ng	233888	Perylene-d12	15.498	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	(1,1'-Biphenyl)-4,4'-diamine, N,N'-di-2-Naphthyl-p-phenylenediamine	360	C26H20N2	006311-48-4	91
2	1,10-Phenanthroline, 2,9-dimethyl-10,10-dihydro-1,10-methanonaphthalene	360	C26H20N2	004733-39-5	49
3	Benzaldehyde, 4-hydroxy-3,5-dimethoxybenzoic acid	360	C18H20N2O6	014414-32-5	49
4	Androst-4-ene-3,17-dione, 12-hydroxy-12,13-epoxy-13,14-dihydro-1,17-dimethyl-	360	C21H32N2O3	069688-31-9	47
5	N,N'-di-2-Naphthyl-p-phenylenediamine	360	C26H20N2	000093-46-9	46



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF031325\
Data File : BF141940.D
Acq On : 13 Mar 2025 12:47
Operator : RC/JU
Sample : PB167097BL
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PB167097BL

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF031025.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
Butane, 2-metho...	2.263	2.3	ng	123425	1	6.875	1053480	20.0
(1,1'-Biphenyl)...	17.092	4.2	ng	233888	6	15.498	1125020	20.0

Report of Analysis

Client:	Weston Solutions	Date Collected:	
Project:	Ft Meade Tipton Airfield Parcel RI - PO 0111169	Date Received:	
Client Sample ID:	PB167097BS	SDG No.:	Q1539
Lab Sample ID:	PB167097BS	Matrix:	Water
Analytical Method:	SW8270	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	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 :	SW3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF141941.D	1	03/12/25 08:45	03/13/25 13:17	PB167097

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
100-52-7	Benzaldehyde	22.6		3.90	8.00	10.0	ug/L
108-95-2	Phenol	45.8		0.91	4.00	5.00	ug/L
111-44-4	bis(2-Chloroethyl)ether	45.5		0.81	4.00	5.00	ug/L
95-57-8	2-Chlorophenol	46.9		0.58	4.00	5.00	ug/L
95-48-7	2-Methylphenol	46.7		1.10	4.00	5.00	ug/L
108-60-1	2,2-oxybis(1-Chloropropane)	42.7		1.30	4.00	5.00	ug/L
98-86-2	Acetophenone	49.7		0.74	4.00	5.00	ug/L
65794-96-9	3+4-Methylphenols	46.3		1.10	8.00	10.0	ug/L
621-64-7	n-Nitroso-di-n-propylamine	43.3		1.40	2.50	2.50	ug/L
67-72-1	Hexachloroethane	45.2		0.65	4.00	5.00	ug/L
98-95-3	Nitrobenzene	45.9		0.76	4.00	5.00	ug/L
78-59-1	Isophorone	47.4		0.75	4.00	5.00	ug/L
88-75-5	2-Nitrophenol	47.5		1.80	4.00	5.00	ug/L
105-67-9	2,4-Dimethylphenol	57.6		1.90	4.00	5.00	ug/L
111-91-1	bis(2-Chloroethoxy)methane	44.5		0.68	4.00	5.00	ug/L
120-83-2	2,4-Dichlorophenol	46.1		0.52	4.00	5.00	ug/L
91-20-3	Naphthalene	44.4		0.50	4.00	5.00	ug/L
106-47-8	4-Chloroaniline	15.7		0.84	4.00	5.00	ug/L
87-68-3	Hexachlorobutadiene	46.5		0.54	4.00	5.00	ug/L
105-60-2	Caprolactam	49.7		1.10	8.00	10.0	ug/L
59-50-7	4-Chloro-3-methylphenol	45.9		0.59	4.00	5.00	ug/L
91-57-6	2-Methylnaphthalene	43.0		0.56	4.00	5.00	ug/L
77-47-4	Hexachlorocyclopentadiene	170	E	3.60	8.00	10.0	ug/L
88-06-2	2,4,6-Trichlorophenol	49.2		0.51	4.00	5.00	ug/L
95-95-4	2,4,5-Trichlorophenol	45.4		0.62	4.00	5.00	ug/L
92-52-4	1,1-Biphenyl	50.3		0.53	4.00	5.00	ug/L
91-58-7	2-Chloronaphthalene	46.0		0.61	4.00	5.00	ug/L
88-74-4	2-Nitroaniline	47.3		1.30	4.00	5.00	ug/L
131-11-3	Dimethylphthalate	45.9		0.61	4.00	5.00	ug/L

Report of Analysis

Client:	Weston Solutions	Date Collected:	
Project:	Ft Meade Tipton Airfield Parcel RI - PO 0111169	Date Received:	
Client Sample ID:	PB167097BS	SDG No.:	Q1539
Lab Sample ID:	PB167097BS	Matrix:	Water
Analytical Method:	SW8270	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	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 :	SW3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF141941.D	1	03/12/25 08:45	03/13/25 13:17	PB167097

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
208-96-8	Acenaphthylene	48.5		0.75	4.00	5.00	ug/L
606-20-2	2,6-Dinitrotoluene	46.7		0.92	4.00	5.00	ug/L
99-09-2	3-Nitroaniline	25.5		1.10	4.00	5.00	ug/L
83-32-9	Acenaphthene	52.0		0.55	4.00	5.00	ug/L
51-28-5	2,4-Dinitrophenol	99.2	E	6.00	8.00	10.0	ug/L
100-02-7	4-Nitrophenol	100	E	2.40	8.00	10.0	ug/L
132-64-9	Dibenzofuran	44.1		0.61	4.00	5.00	ug/L
121-14-2	2,4-Dinitrotoluene	49.7		1.20	4.00	5.00	ug/L
84-66-2	Diethylphthalate	44.9		0.69	4.00	5.00	ug/L
7005-72-3	4-Chlorophenyl-phenylether	46.2		0.68	4.00	5.00	ug/L
86-73-7	Fluorene	46.3		0.63	4.00	5.00	ug/L
100-01-6	4-Nitroaniline	46.7		1.50	4.00	5.00	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	51.0		2.90	8.00	10.0	ug/L
86-30-6	n-Nitrosodiphenylamine	46.9		0.58	4.00	5.00	ug/L
101-55-3	4-Bromophenyl-phenylether	46.4		0.40	4.00	5.00	ug/L
118-74-1	Hexachlorobenzene	48.3		0.52	4.00	5.00	ug/L
1912-24-9	Atrazine	61.7		1.00	4.00	5.00	ug/L
87-86-5	Pentachlorophenol	99.9	E	1.60	8.00	10.0	ug/L
85-01-8	Phenanthrene	47.0		0.50	4.00	5.00	ug/L
120-12-7	Anthracene	48.1		0.61	4.00	5.00	ug/L
86-74-8	Carbazole	46.9		0.72	4.00	5.00	ug/L
84-74-2	Di-n-butylphthalate	45.2		1.20	4.00	5.00	ug/L
206-44-0	Fluoranthene	45.9		0.82	4.00	5.00	ug/L
129-00-0	Pyrene	46.8		0.50	4.00	5.00	ug/L
85-68-7	Butylbenzylphthalate	46.0		1.90	4.00	5.00	ug/L
91-94-1	3,3-Dichlorobenzidine	28.2		0.93	8.00	10.0	ug/L
56-55-3	Benzo(a)anthracene	47.2		0.45	4.00	5.00	ug/L
218-01-9	Chrysene	46.3		0.44	4.00	5.00	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	44.5		1.60	4.00	5.00	ug/L
117-84-0	Di-n-octyl phthalate	45.1		2.30	8.00	10.0	ug/L
205-99-2	Benzo(b)fluoranthene	46.3		0.49	4.00	5.00	ug/L

Report of Analysis

Client:	Weston Solutions	Date Collected:	
Project:	Ft Meade Tipton Airfield Parcel RI - PO 0111169	Date Received:	
Client Sample ID:	PB167097BS	SDG No.:	Q1539
Lab Sample ID:	PB167097BS	Matrix:	Water
Analytical Method:	SW8270	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	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 :	SW3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF141941.D	1	03/12/25 08:45	03/13/25 13:17	PB167097

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
207-08-9	Benzo(k)fluoranthene	43.3		0.48	4.00	5.00	ug/L
50-32-8	Benzo(a)pyrene	50.1		0.55	4.00	5.00	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	51.2		0.59	4.00	5.00	ug/L
53-70-3	Dibenzo(a,h)anthracene	50.8		0.67	4.00	5.00	ug/L
191-24-2	Benzo(g,h,i)perylene	48.0		0.69	4.00	5.00	ug/L
95-94-3	1,2,4,5-Tetrachlorobenzene	50.8		0.52	4.00	5.00	ug/L
123-91-1	1,4-Dioxane	43.6		1.00	4.00	5.00	ug/L
58-90-2	2,3,4,6-Tetrachlorophenol	46.3		0.72	4.00	5.00	ug/L
SURROGATES							
367-12-4	2-Fluorophenol	140		19 - 119		93%	SPK: 150
13127-88-3	Phenol-d6	137		10 - 130		91%	SPK: 150
4165-60-0	Nitrobenzene-d5	98.6		44 - 120		99%	SPK: 100
321-60-8	2-Fluorobiphenyl	97.8		44 - 119		98%	SPK: 100
118-79-6	2,4,6-Tribromophenol	160		43 - 140		107%	SPK: 150
1718-51-0	Terphenyl-d14	105		50 - 134		105%	SPK: 100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	168000	6.875				
1146-65-2	Naphthalene-d8	667000	8.157				
15067-26-2	Acenaphthene-d10	381000	9.916				
1517-22-2	Phenanthrene-d10	657000	11.398				
1719-03-5	Chrysene-d12	424000	14.039				
1520-96-3	Perylene-d12	371000	15.504				

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\BF031325\
 Data File : BF141941.D
 Acq On : 13 Mar 2025 13:17
 Operator : RC/JU
 Sample : PB167097BS
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :

BNA_F

ClientSampleId :

PB167097BS

Manual Integrations

APPROVED

Reviewed By :Anahy Claudio 03/14/2025

Supervised By :Jagrut Upadhyay 03/14/2025

Quant Time: Mar 13 13:42:14 2025

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF031025.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Mon Mar 10 15:46:22 2025

Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.875	152	167779	20.000	ng	0.00
21) Naphthalene-d8	8.157	136	666660	20.000	ng	0.00
39) Acenaphthene-d10	9.916	164	381133	20.000	ng	0.00
64) Phenanthrene-d10	11.398	188	657343	20.000	ng	0.00
76) Chrysene-d12	14.039	240	424407	20.000	ng	0.00
86) Perylene-d12	15.504	264	370791	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.510	112	1406671	139.927	ng	0.02
7) Phenol-d6	6.504	99	1754393	137.067	ng	0.00
23) Nitrobenzene-d5	7.439	82	1168111	98.606	ng	0.00
42) 2,4,6-Tribromophenol	10.704	330	773860	160.048	ng	0.00
45) 2-Fluorobiphenyl	9.233	172	2451144	97.806	ng	0.00
79) Terphenyl-d14	12.986	244	3018229	105.142	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	2.787	88	183786	43.632	ng	99
3) Pyridine	3.534	79	435363	42.136	ng	100
4) n-Nitrosodimethylamine	3.481	42	219416	44.549	ng	97
6) Aniline	6.539	93	455935	36.109	ng	99
8) 2-Chlorophenol	6.663	128	522369	46.852	ng	99
9) Benzaldehyde	6.428	77	161518	22.563	ng	99
10) Phenol	6.516	94	616143	45.757	ng	96
11) bis(2-Chloroethyl)ether	6.616	93	460406	45.535	ng	98
12) 1,3-Dichlorobenzene	6.816	146	549049	45.613	ng	100
13) 1,4-Dichlorobenzene	6.892	146	558151	45.829	ng	99
14) 1,2-Dichlorobenzene	7.045	146	535333	46.667	ng	99
15) Benzyl Alcohol	7.016	79	464922	44.930	ng	99
16) 2,2'-oxybis(1-Chloropr...	7.151	45	521817	42.748	ng	99
17) 2-Methylphenol	7.128	107	413870	46.686	ng	98
18) Hexachloroethane	7.392	117	206331	45.179	ng	94
19) n-Nitroso-di-n-propyla...	7.292	70	356374	43.331	ng	99
20) 3+4-Methylphenols	7.281	107	525851	46.311	ng	# 81
22) Acetophenone	7.286	105	794019	49.735	ng	98
24) Nitrobenzene	7.457	77	540933	45.933	ng	100
25) Isophorone	7.698	82	992286	47.387	ng	100
26) 2-Nitrophenol	7.775	139	274315	47.460	ng	100
27) 2,4-Dimethylphenol	7.804	122	458082	57.557	ng	99
28) bis(2-Chloroethoxy)met...	7.904	93	584252	44.484	ng	100
29) 2,4-Dichlorophenol	8.010	162	454991	46.058	ng	100
30) 1,2,4-Trichlorobenzene	8.098	180	489377	44.952	ng	100
31) Naphthalene	8.181	128	1521001	44.415	ng	100
32) Benzoic acid	7.928	122	368882	52.727	ng	99
33) 4-Chloroaniline	8.222	127	189925	15.710	ng	98
34) Hexachlorobutadiene	8.298	225	330110	46.496	ng	99
35) Caprolactam	8.598	113	149736m	49.717	ng	
36) 4-Chloro-3-methylphenol	8.704	107	506070	45.924	ng	100
37) 2-Methylnaphthalene	8.869	142	984016	42.989	ng	98
38) 1-Methylnaphthalene	8.969	142	975143	44.147	ng	100
40) 1,2,4,5-Tetrachloroben...	9.039	216	589567	50.807	ng	98
41) Hexachlorocyclopentadiene	9.022	237	787647	173.440	ng	100
43) 2,4,6-Trichlorophenol	9.145	196	373446	49.244	ng	100

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF031325\
 Data File : BF141941.D
 Acq On : 13 Mar 2025 13:17
 Operator : RC/JU
 Sample : PB167097BS
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PB167097BS

Manual Integrations
 APPROVED

Reviewed By :Anahy Claudio 03/14/2025
 Supervised By :Jagrut Upadhyay 03/14/2025

Quant Time: Mar 13 13:42:14 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF031025.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Mar 10 15:46:22 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.186	196	348841	45.418	ng	100
46) 1,1'-Biphenyl	9.333	154	1455375	50.256	ng	100
47) 2-Chloronaphthalene	9.363	162	993605	46.033	ng	99
48) 2-Nitroaniline	9.451	65	295534	47.288	ng	97
49) Acenaphthylene	9.775	152	1553482	48.500	ng	100
50) Dimethylphthalate	9.639	163	1224816	45.891	ng	100
51) 2,6-Dinitrotoluene	9.698	165	259612	46.717	ng	96
52) Acenaphthene	9.951	154	1170255	51.989	ng	98
53) 3-Nitroaniline	9.863	138	143947	25.536	ng	100
54) 2,4-Dinitrophenol	9.975	184	318705	99.219	ng	# 46
55) Dibenzofuran	10.122	168	1417170	44.061	ng	99
56) 4-Nitrophenol	10.022	139	439494	103.387	ng	98
57) 2,4-Dinitrotoluene	10.104	165	361052	49.745	ng	99
58) Fluorene	10.463	166	1147740	46.273	ng	99
59) 2,3,4,6-Tetrachlorophenol	10.233	232	323625	46.303	ng	100
60) Diethylphthalate	10.339	149	1194423	44.881	ng	99
61) 4-Chlorophenyl-phenyle...	10.457	204	597749	46.224	ng	96
62) 4-Nitroaniline	10.480	138	256469	46.734	ng	99
63) Azobenzene	10.616	77	1083805	43.803	ng	98
65) 4,6-Dinitro-2-methylph...	10.510	198	199851	50.999	ng	97
66) n-Nitrosodiphenylamine	10.574	169	997450	46.890	ng	100
67) 4-Bromophenyl-phenylether	10.945	248	382756	46.364	ng	97
68) Hexachlorobenzene	11.010	284	437639	48.335	ng	96
69) Atrazine	11.098	200	402029	61.650	ng	99
70) Pentachlorophenol	11.204	266	557370	99.911	ng	99
71) Phenanthrene	11.427	178	1669056	47.009	ng	100
72) Anthracene	11.474	178	1712956	48.088	ng	100
73) Carbazole	11.627	167	1439856	46.870	ng	100
74) Di-n-butylphthalate	11.957	149	1842392	45.199	ng	100
75) Fluoranthene	12.610	202	1728401	45.891	ng	100
77) Benzidine	12.727	184	500180	84.472	ng	100
78) Pyrene	12.839	202	1719348	46.834	ng	100
80) Butylbenzylphthalate	13.457	149	660564	45.971	ng	99
81) Benzo(a)anthracene	14.027	228	1314815	47.211	ng	100
82) 3,3'-Dichlorobenzidine	13.986	252	227079	28.215	ng	100
83) Chrysene	14.062	228	1167619	46.252	ng	100
84) Bis(2-ethylhexyl)phtha...	14.015	149	882521	44.545	ng	100
85) Di-n-octyl phthalate	14.627	149	1244287	45.138	ng	99
87) Indeno(1,2,3-cd)pyrene	16.992	276	1228415	51.214	ng	98
88) Benzo(b)fluoranthene	15.074	252	1177030	46.317	ng	100
89) Benzo(k)fluoranthene	15.104	252	942444	43.336	ng	100
90) Benzo(a)pyrene	15.445	252	996055	50.093	ng	99
91) Dibenzo(a,h)anthracene	17.015	278	1005280	50.797	ng	99
92) Benzo(g,h,i)perylene	17.445	276	938047	47.965	ng	98

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

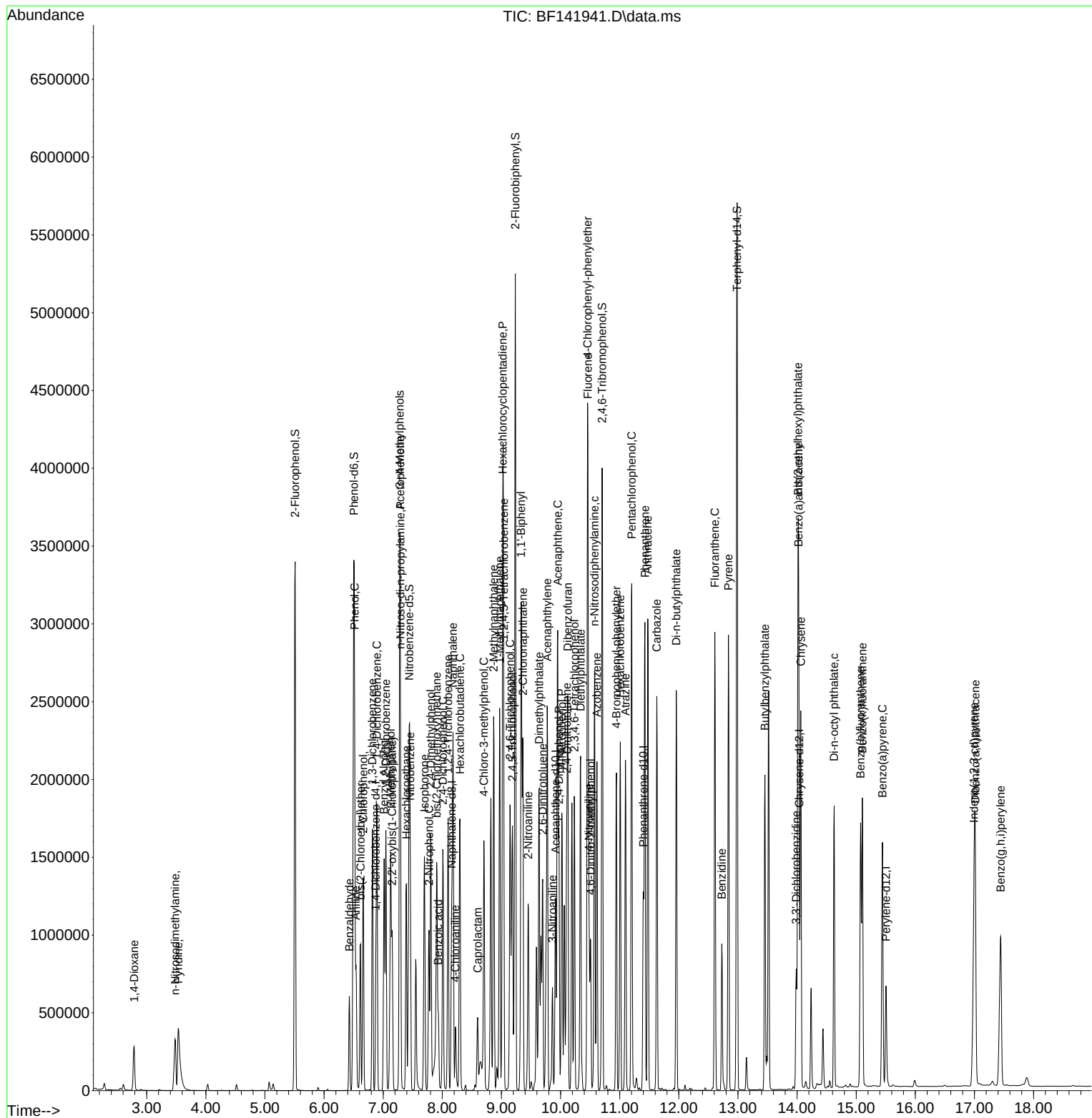
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Acq On : 13 Mar 2025 13:17
Operator : RC/JU
Sample : PB167097BS
Misc :
ALS Vial : 4 Sample Multiplier: 1

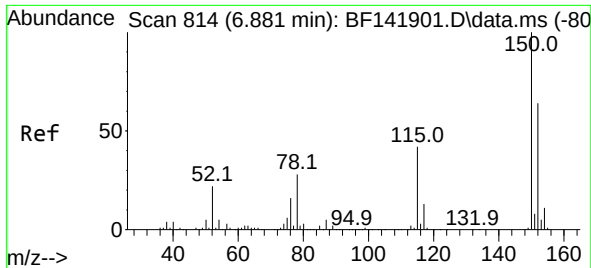
Instrument :
BNA_F
ClientSampleId :
PB167097BS

Manual Integrations
APPROVED

Reviewed By :Anahy Claudio 03/14/2025
Supervised By :Jagrut Upadhyay 03/14/2025

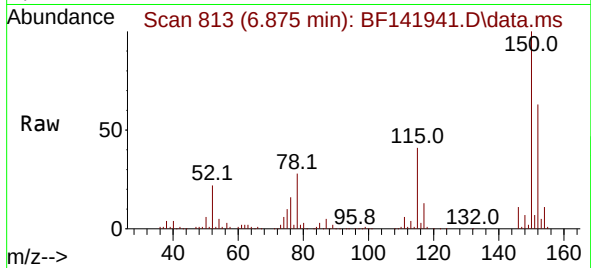
Quant Time: Mar 13 13:42:14 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF031025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Mar 10 15:46:22 2025
Response via : Initial Calibration





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.875 min Scan# 814
Delta R.T. -0.006 min
Lab File: BF141941.D
Acq: 13 Mar 2025 13:17

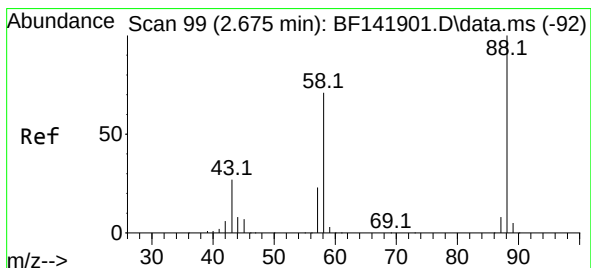
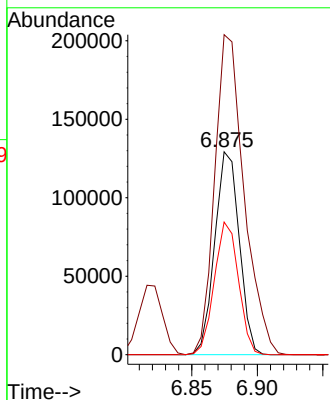
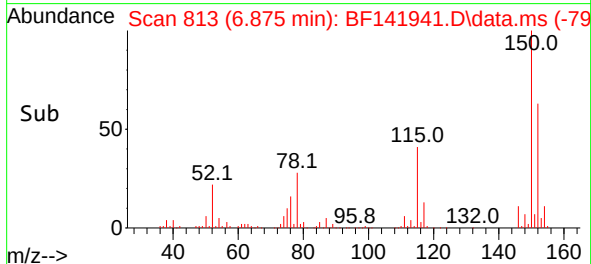
Instrument :
BNA_F
ClientSampleId :
PB167097BS



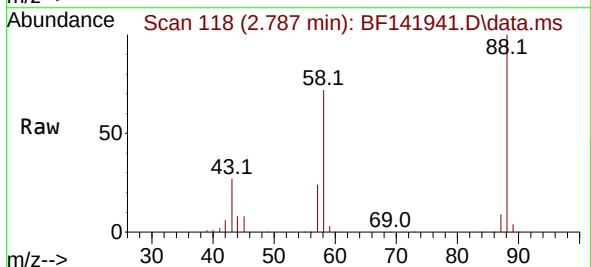
Tgt Ion:152 Resp: 167779
Ion Ratio Lower Upper
152 100
150 157.7 127.4 191.2
115 65.4 51.9 77.9

Manual Integrations
APPROVED

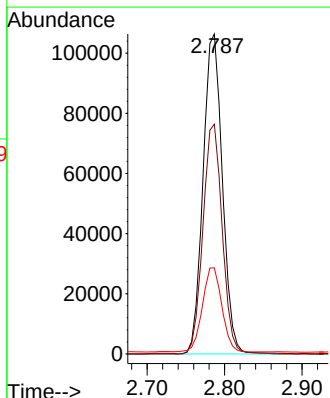
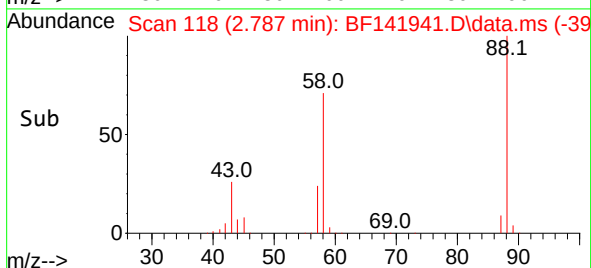
Reviewed By :Anahy Claudio 03/14/2025
Supervised By :Jagrut Upadhyay 03/14/2025

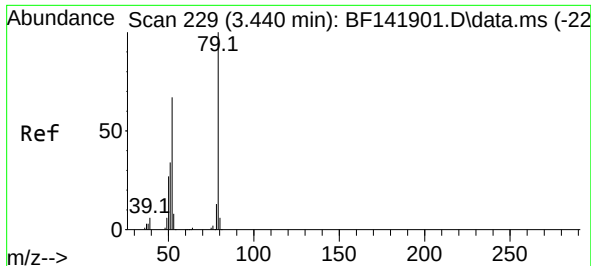


#2
1,4-Dioxane
Concen: 43.632 ng
RT: 2.787 min Scan# 118
Delta R.T. 0.112 min
Lab File: BF141941.D
Acq: 13 Mar 2025 13:17



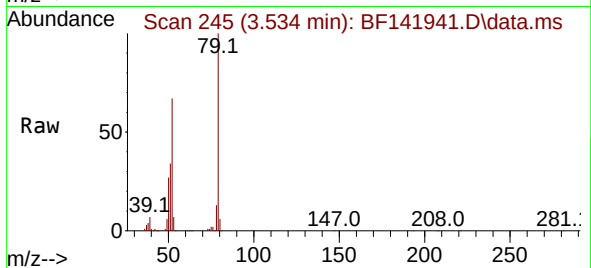
Tgt Ion: 88 Resp: 183786
Ion Ratio Lower Upper
88 100
58 72.1 57.4 86.2
43 26.3 21.5 32.3





#3
Pyridine
Concen: 42.136 ng
RT: 3.534 min Scan# 245
Delta R.T. 0.094 min
Lab File: BF141941.D
Acq: 13 Mar 2025 13:17

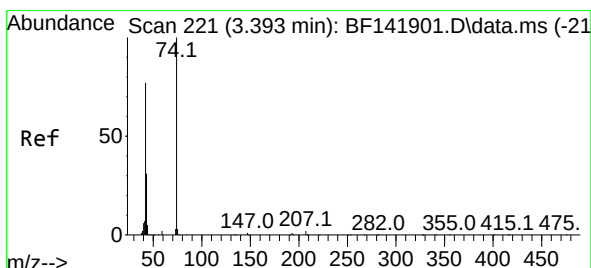
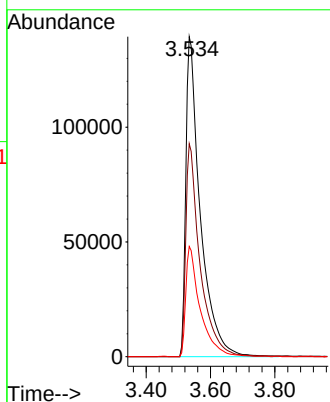
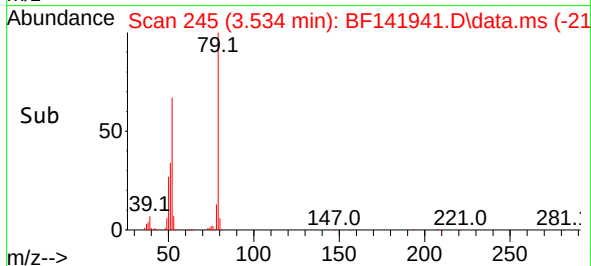
Instrument :
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ClientSampleId :
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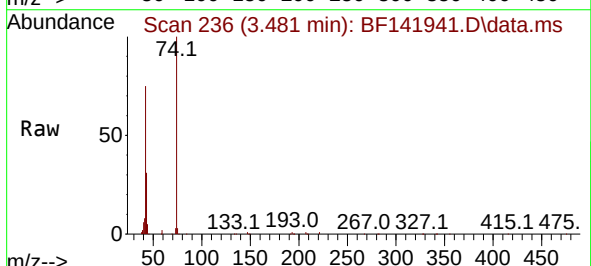
Tgt Ion: 79 Resp: 43536
Ion Ratio Lower Upper
79 100
52 66.5 53.3 79.9
51 34.5 27.6 41.4

Manual Integrations
APPROVED

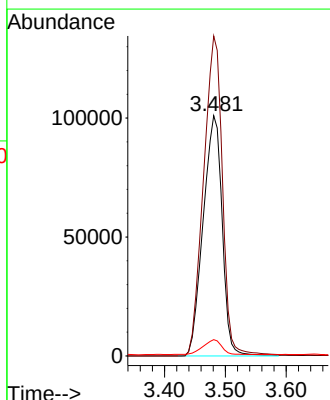
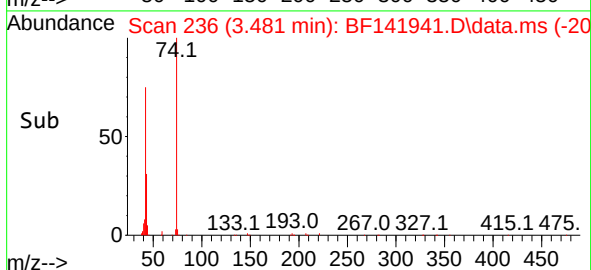
Reviewed By :Anahy Claudio 03/14/2025
Supervised By :Jagrut Upadhyay 03/14/2025

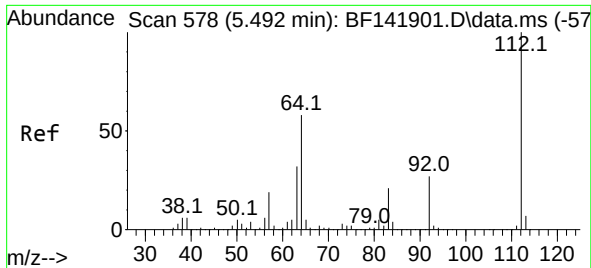


#4
n-Nitrosodimethylamine
Concen: 44.549 ng
RT: 3.481 min Scan# 236
Delta R.T. 0.088 min
Lab File: BF141941.D
Acq: 13 Mar 2025 13:17



Tgt Ion: 42 Resp: 219416
Ion Ratio Lower Upper
42 100
74 133.1 103.4 155.0
44 6.8 5.0 7.4





#5
2-Fluorophenol
Concen: 139.927 ng
RT: 5.510 min Scan# 51
Delta R.T. 0.018 min
Lab File: BF141941.D
Acq: 13 Mar 2025 13:17

Instrument :

BNA_F

ClientSampleId :

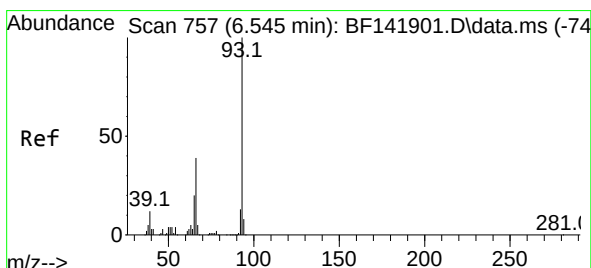
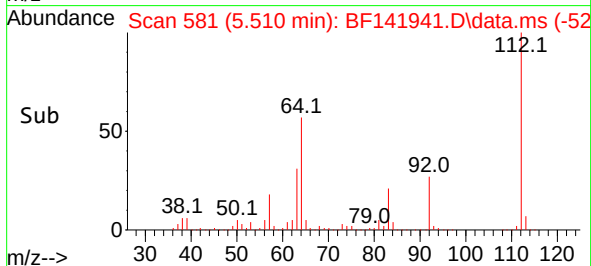
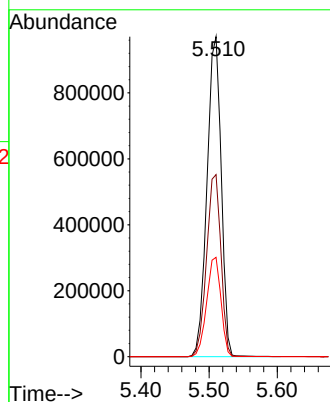
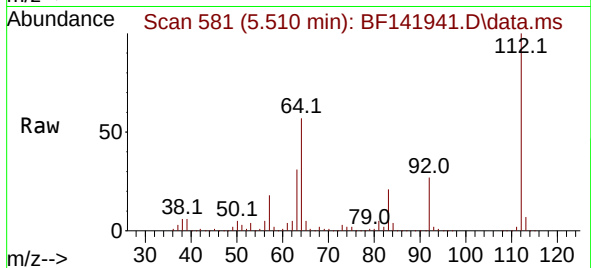
PB167097BS

Tgt Ion:112 Resp: 140667
Ion Ratio Lower Upper
112 100
64 56.9 46.5 69.7
63 31.0 25.4 38.2

Manual Integrations

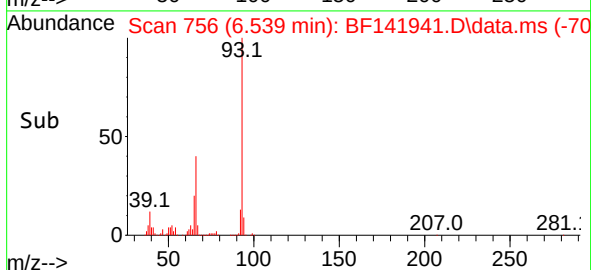
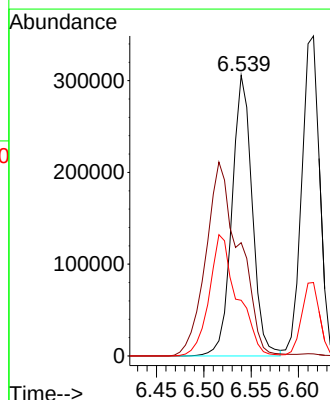
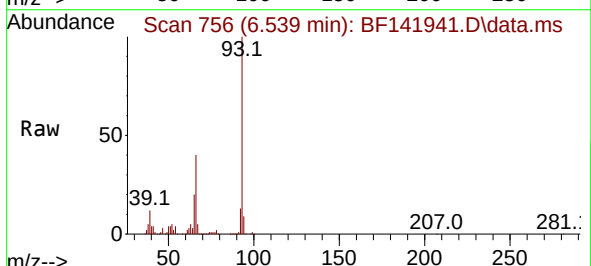
APPROVED

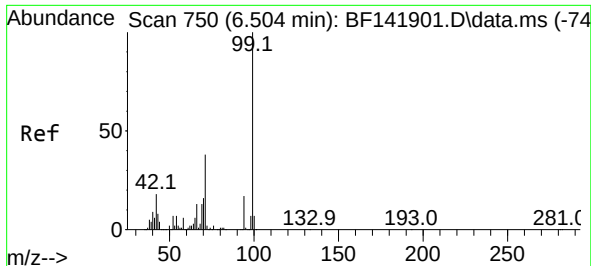
Reviewed By :Anahy Claudio 03/14/2025
Supervised By :Jagrut Upadhyay 03/14/2025



#6
Aniline
Concen: 36.109 ng
RT: 6.539 min Scan# 756
Delta R.T. -0.006 min
Lab File: BF141941.D
Acq: 13 Mar 2025 13:17

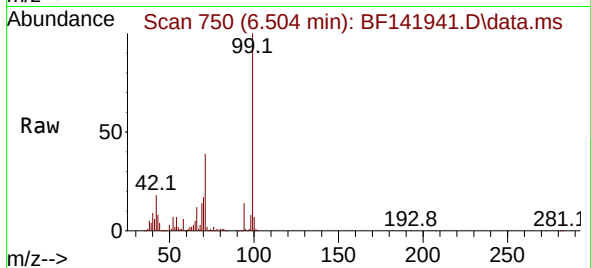
Tgt Ion: 93 Resp: 455935
Ion Ratio Lower Upper
93 100
66 40.4 31.9 47.9
65 19.8 15.8 23.6





#7
Phenol-d6
Concen: 137.067 ng
RT: 6.504 min Scan# 750
Delta R.T. 0.000 min
Lab File: BF141941.D
Acq: 13 Mar 2025 13:17

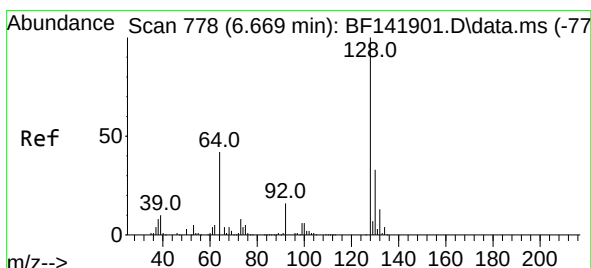
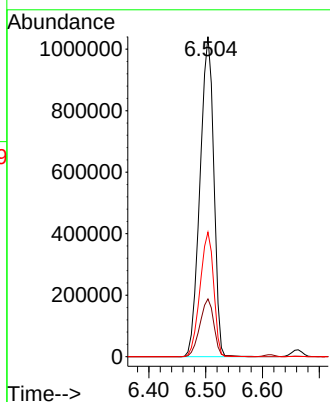
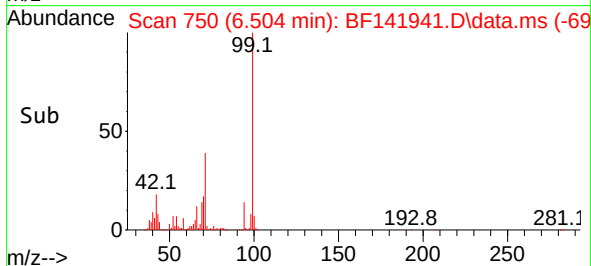
Instrument :
BNA_F
ClientSampleId :
PB167097BS



Tgt Ion: 99 Resp: 175439
Ion Ratio Lower Upper
99 100
42 18.0 14.6 21.8
71 38.9 30.8 46.2

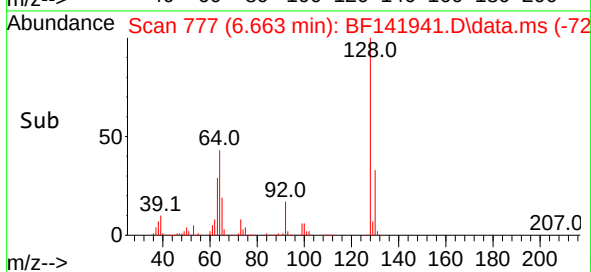
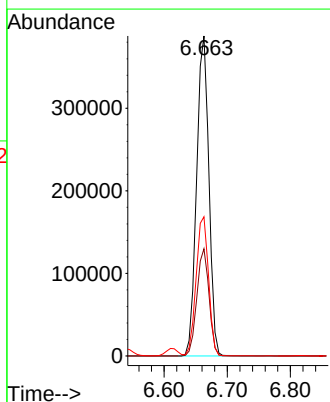
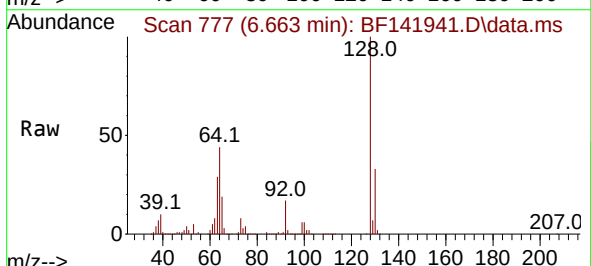
Manual Integrations
APPROVED

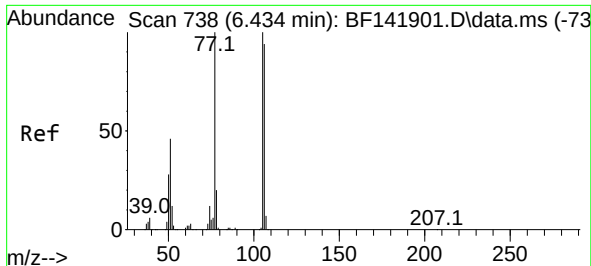
Reviewed By :Anahy Claudio 03/14/2025
Supervised By :Jagrut Upadhyay 03/14/2025



#8
2-Chlorophenol
Concen: 46.852 ng
RT: 6.663 min Scan# 777
Delta R.T. -0.006 min
Lab File: BF141941.D
Acq: 13 Mar 2025 13:17

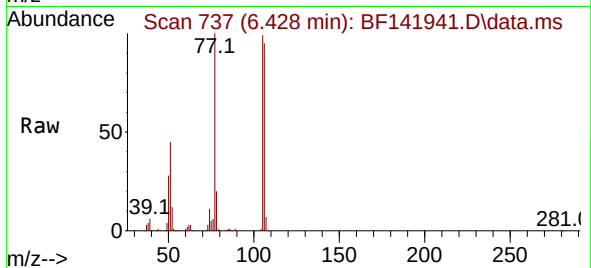
Tgt Ion:128 Resp: 522369
Ion Ratio Lower Upper
128 100
130 33.5 12.8 52.8
64 43.5 24.4 64.4





#9
Benzaldehyde
Concen: 22.563 ng
RT: 6.428 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF141941.D
Acq: 13 Mar 2025 13:17

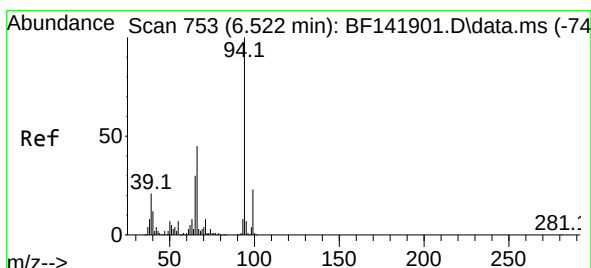
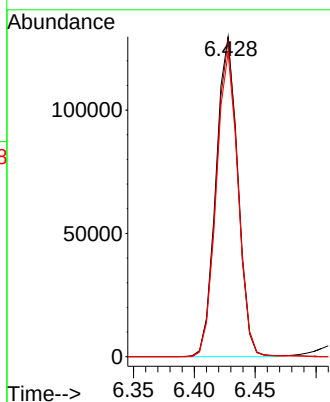
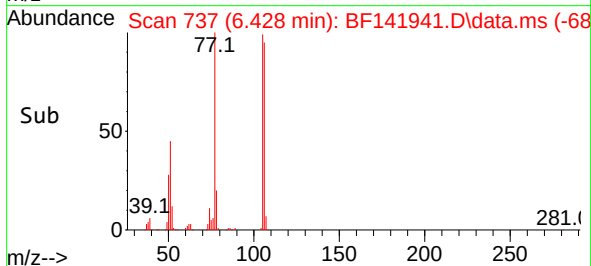
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BNA_F
ClientSampleId :
PB167097BS



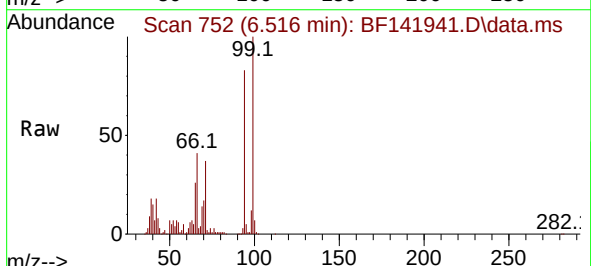
Tgt Ion: 77 Resp: 161518
Ion Ratio Lower Upper
77 100
105 98.8 80.0 120.0
106 95.0 74.5 114.5

Manual Integrations
APPROVED

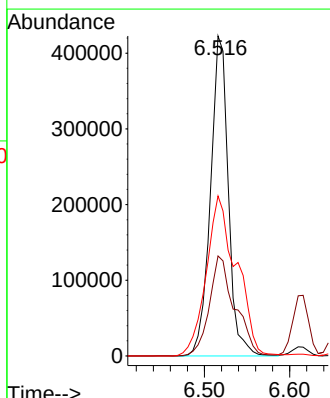
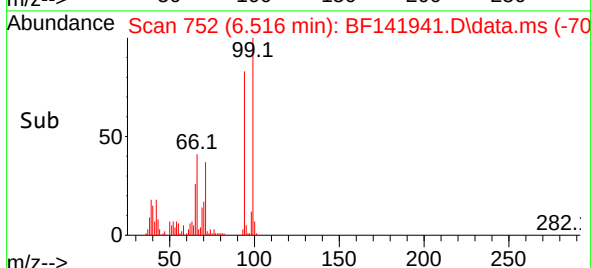
Reviewed By :Anahy Claudio 03/14/2025
Supervised By :Jagrut Upadhyay 03/14/2025

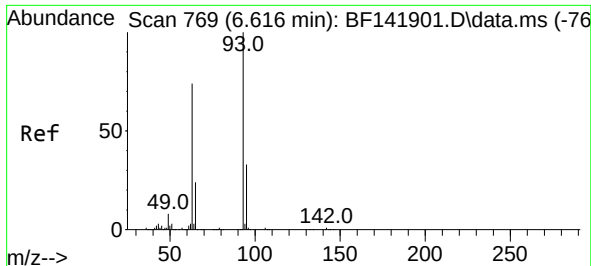


#10
Phenol
Concen: 45.757 ng
RT: 6.516 min Scan# 752
Delta R.T. -0.006 min
Lab File: BF141941.D
Acq: 13 Mar 2025 13:17



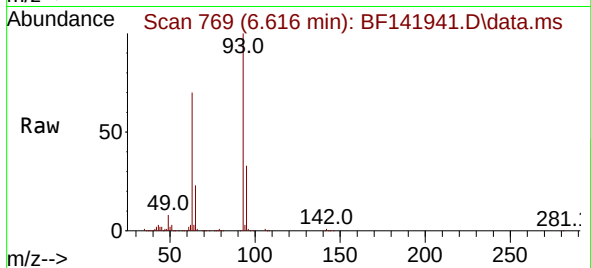
Tgt Ion: 94 Resp: 616143
Ion Ratio Lower Upper
94 100
65 31.2 10.5 50.5
66 50.0 25.8 65.8





#11
bis(2-Chloroethyl)ether
Concen: 45.535 ng
RT: 6.616 min Scan# 769
Delta R.T. 0.000 min
Lab File: BF141941.D
Acq: 13 Mar 2025 13:17

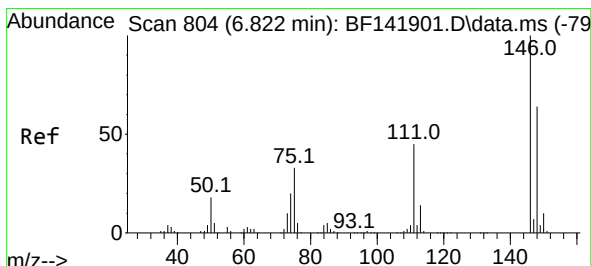
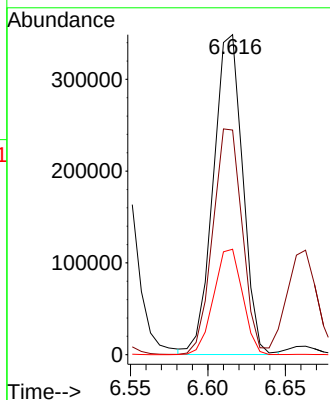
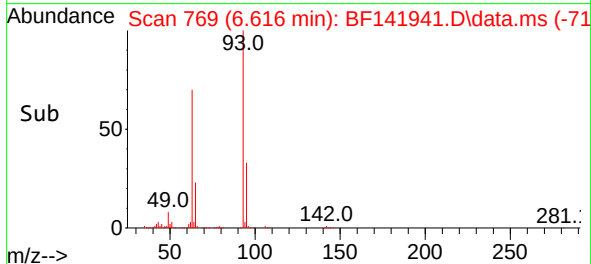
Instrument :
BNA_F
ClientSampleId :
PB167097BS



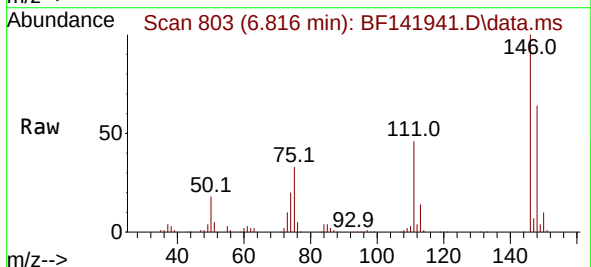
Tgt Ion: 93 Resp: 460400
Ion Ratio Lower Upper
93 100
63 70.2 53.0 93.0
95 32.9 12.9 52.9

Manual Integrations
APPROVED

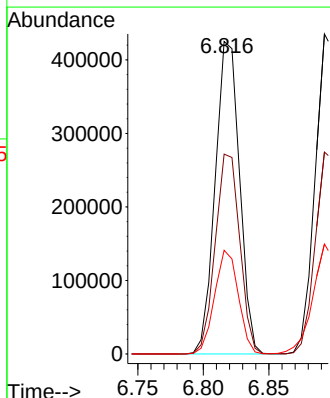
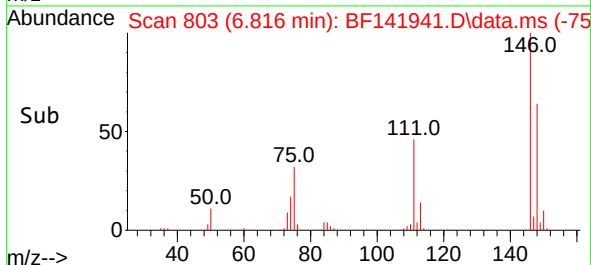
Reviewed By :Anahy Claudio 03/14/2025
Supervised By :Jagrut Upadhyay 03/14/2025

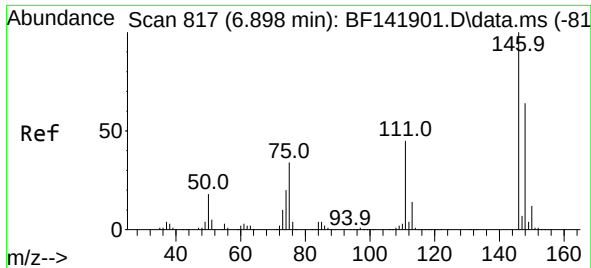


#12
1,3-Dichlorobenzene
Concen: 45.613 ng
RT: 6.816 min Scan# 803
Delta R.T. -0.006 min
Lab File: BF141941.D
Acq: 13 Mar 2025 13:17



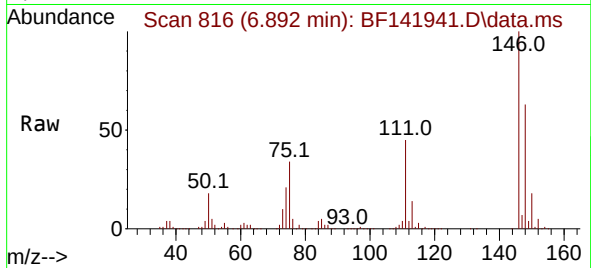
Tgt Ion:146 Resp: 549049
Ion Ratio Lower Upper
146 100
148 64.0 51.3 76.9
75 33.2 26.6 40.0





#13
1,4-Dichlorobenzene
Concen: 45.829 ng
RT: 6.892 min Scan# 81
Delta R.T. -0.006 min
Lab File: BF141941.D
Acq: 13 Mar 2025 13:17

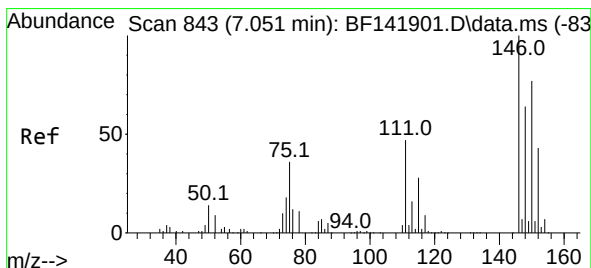
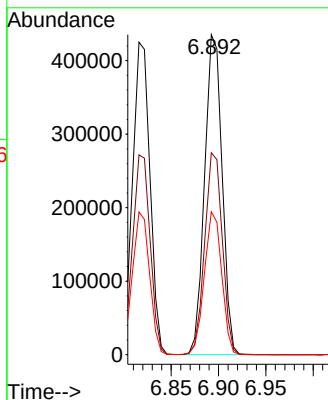
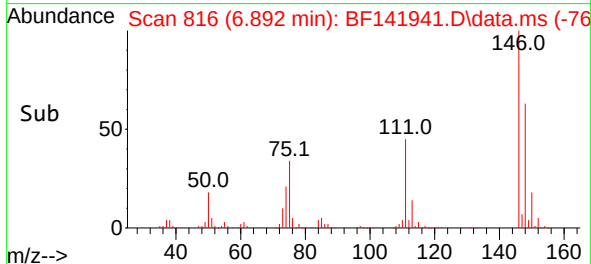
Instrument :
BNA_F
ClientSampleId :
PB167097BS



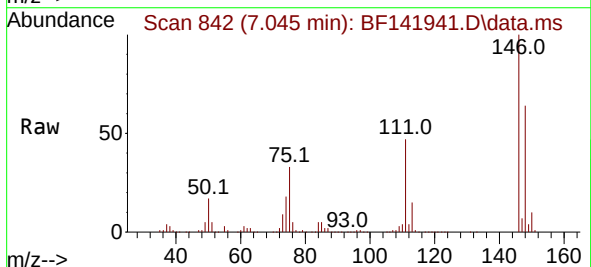
Tgt Ion:146 Resp: 55815
Ion Ratio Lower Upper
146 100
148 63.1 51.0 76.6
111 44.7 35.7 53.5

Manual Integrations
APPROVED

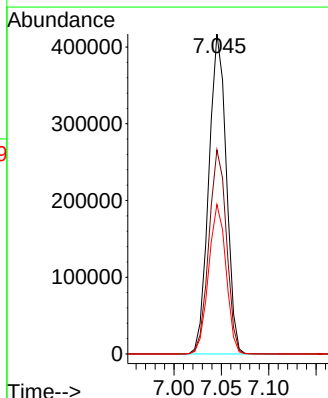
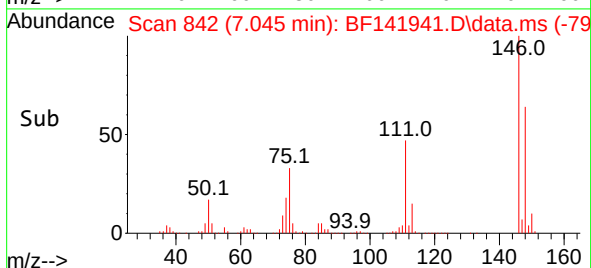
Reviewed By :Anahy Claudio 03/14/2025
Supervised By :Jagrut Upadhyay 03/14/2025

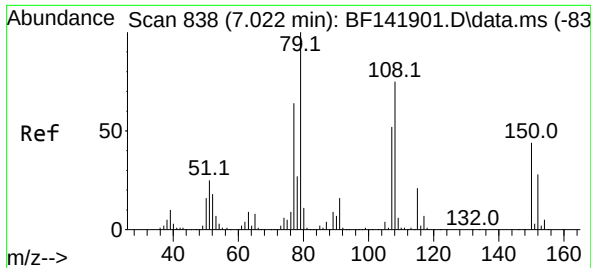


#14
1,2-Dichlorobenzene
Concen: 46.667 ng
RT: 7.045 min Scan# 842
Delta R.T. -0.006 min
Lab File: BF141941.D
Acq: 13 Mar 2025 13:17



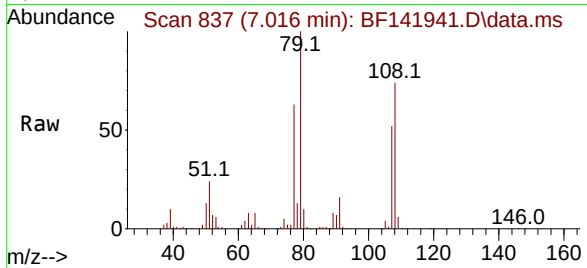
Tgt Ion:146 Resp: 535333
Ion Ratio Lower Upper
146 100
148 63.8 50.8 76.2
111 46.7 38.0 57.0





#15
Benzyl Alcohol
Concen: 44.930 ng
RT: 7.016 min Scan# 81
Delta R.T. -0.006 min
Lab File: BF141941.D
Acq: 13 Mar 2025 13:17

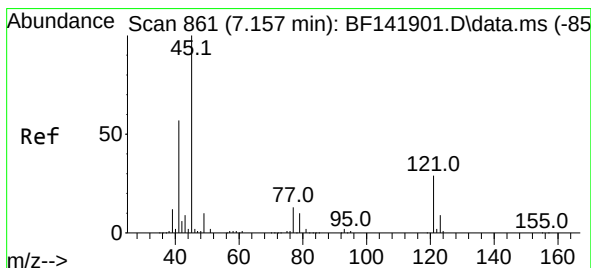
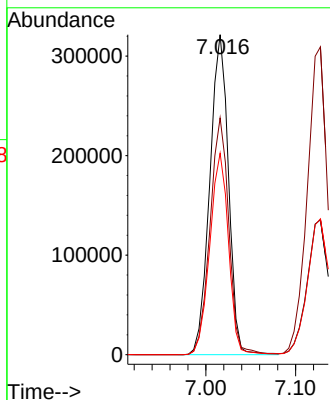
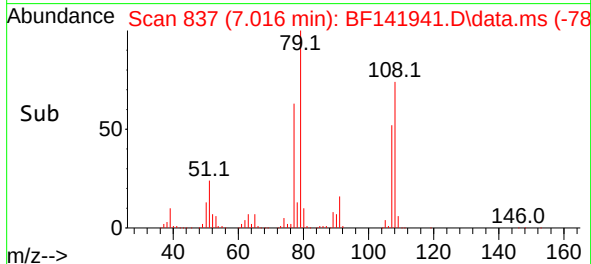
Instrument :
BNA_F
ClientSampleId :
PB167097BS



Tgt Ion: 79 Resp: 46492
Ion Ratio Lower Upper
79 100
108 74.0 59.7 89.5
77 63.0 51.0 76.6

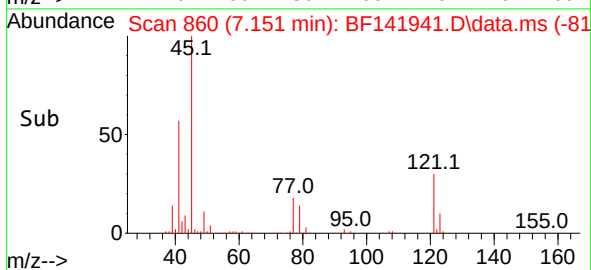
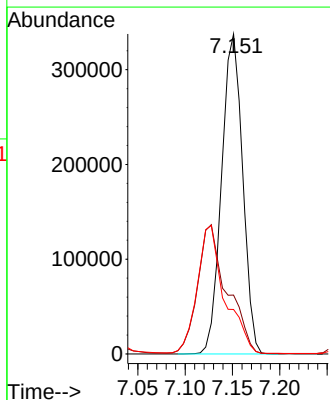
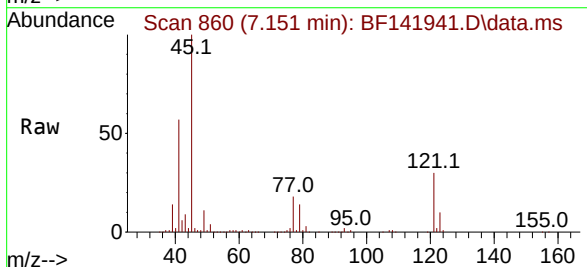
Manual Integrations
APPROVED

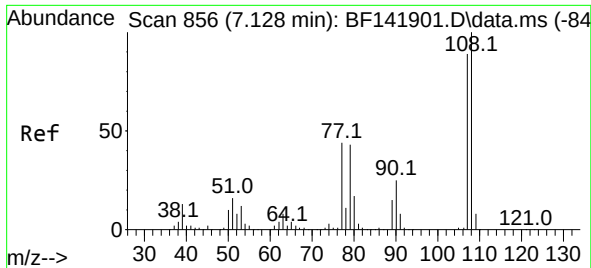
Reviewed By :Anahy Claudio 03/14/2025
Supervised By :Jagrut Upadhyay 03/14/2025



#16
2,2'-oxybis(1-Chloropropane)
Concen: 42.748 ng
RT: 7.151 min Scan# 860
Delta R.T. -0.006 min
Lab File: BF141941.D
Acq: 13 Mar 2025 13:17

Tgt Ion: 45 Resp: 521817
Ion Ratio Lower Upper
45 100
77 18.4 0.0 37.8
79 13.9 0.0 34.2





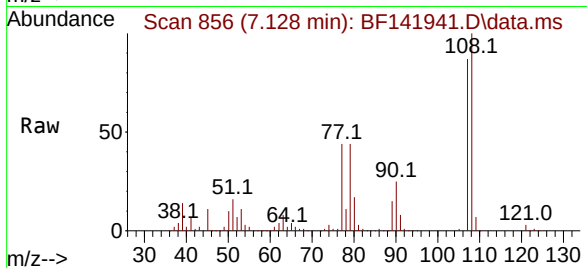
#17
2-Methylphenol
Concen: 46.686 ng
RT: 7.128 min Scan# 856
Delta R.T. 0.000 min
Lab File: BF141941.D
Acq: 13 Mar 2025 13:17

Instrument :

BNA_F

ClientSampleId :

PB167097BS

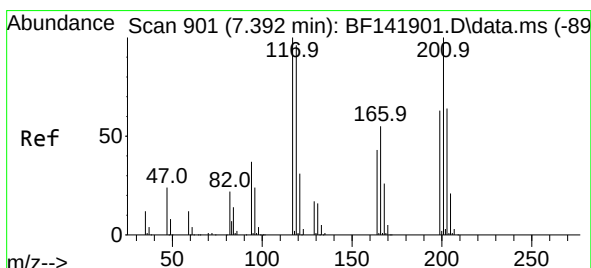
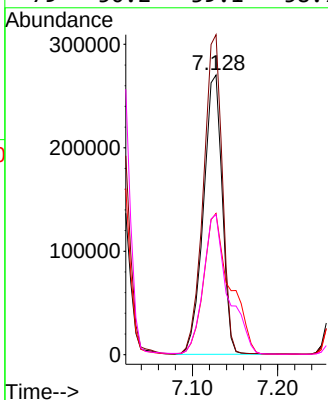
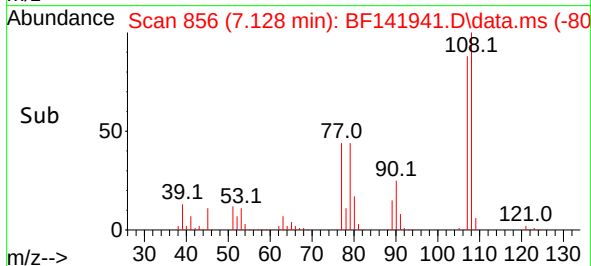


Tgt Ion:107 Resp: 413870
Ion Ratio Lower Upper
107 100
108 114.4 90.2 135.2
77 50.5 39.6 59.4
79 50.2 39.1 58.7

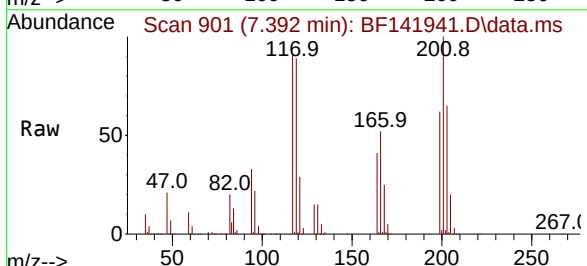
Manual Integrations

APPROVED

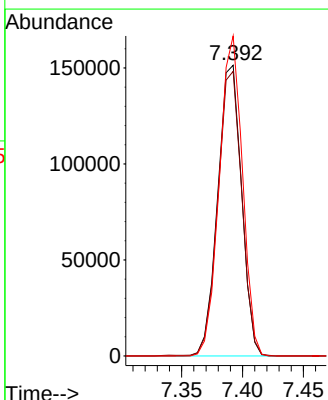
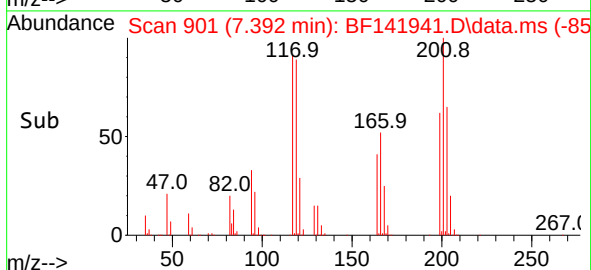
Reviewed By :Anahy Claudio 03/14/2025
Supervised By :Jagrut Upadhyay 03/14/2025

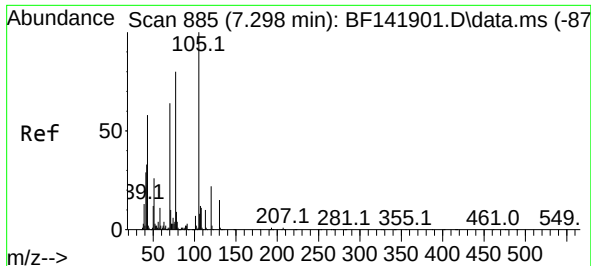


#18
Hexachloroethane
Concen: 45.179 ng
RT: 7.392 min Scan# 901
Delta R.T. 0.000 min
Lab File: BF141941.D
Acq: 13 Mar 2025 13:17



Tgt Ion:117 Resp: 206331
Ion Ratio Lower Upper
117 100
119 97.9 76.9 115.3
201 110.1 79.9 119.9





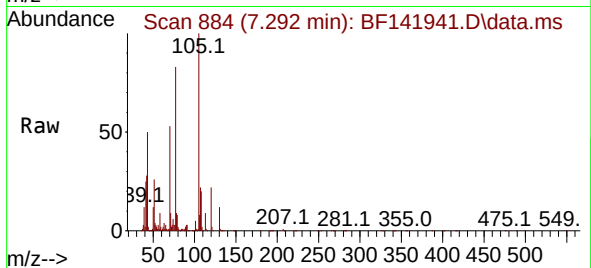
#19
n-Nitroso-di-n-propylamine
Concen: 43.331 ng
RT: 7.292 min Scan# 884
Delta R.T. -0.006 min
Lab File: BF141941.D
Acq: 13 Mar 2025 13:17

Instrument :

BNA_F

ClientSampleId :

PB167097BS

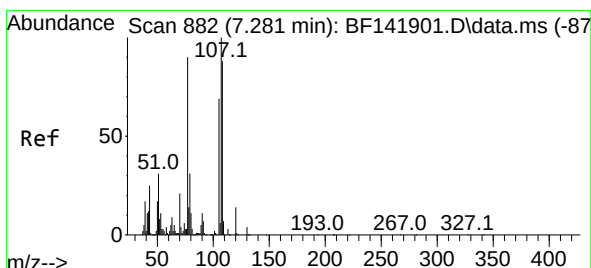
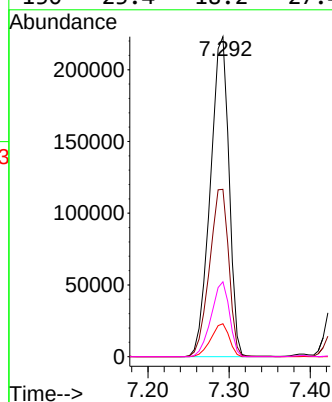
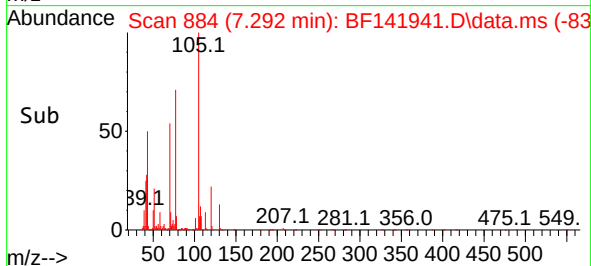


Tgt Ion: 70 Resp: 356374
Ion Ratio Lower Upper
70 100
42 52.3 41.4 62.0
101 10.3 8.2 12.2
130 23.4 18.2 27.4

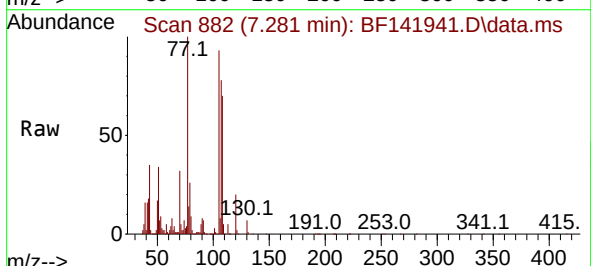
Manual Integrations

APPROVED

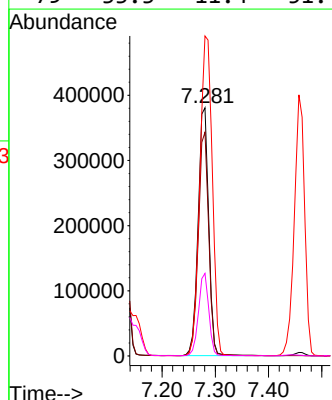
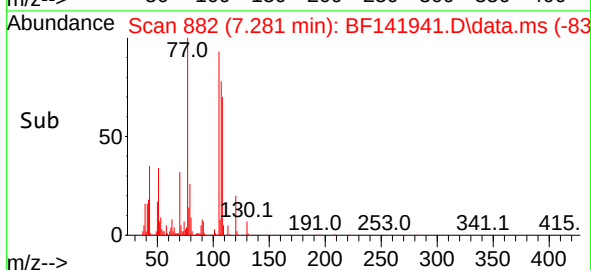
Reviewed By :Anahy Claudio 03/14/2025
Supervised By :Jagrut Upadhyay 03/14/2025

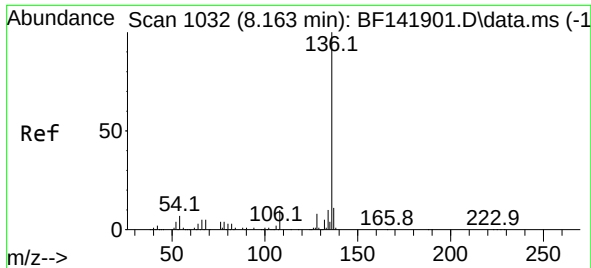


#20
3+4-Methylphenols
Concen: 46.311 ng
RT: 7.281 min Scan# 882
Delta R.T. 0.000 min
Lab File: BF141941.D
Acq: 13 Mar 2025 13:17



Tgt Ion:107 Resp: 525851
Ion Ratio Lower Upper
107 100
108 90.1 68.4 108.4
77 129.0 69.7 109.7#
79 33.3 11.4 51.4





#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.157 min Scan# 1031
Delta R.T. -0.006 min
Lab File: BF141941.D
Acq: 13 Mar 2025 13:17

Instrument :

BNA_F

ClientSampleId :

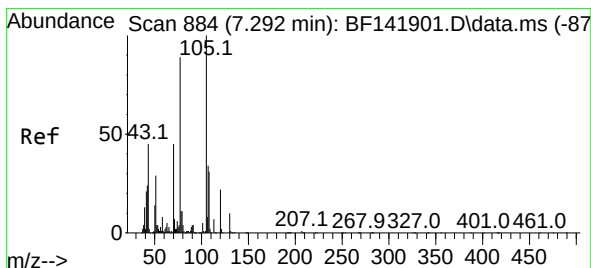
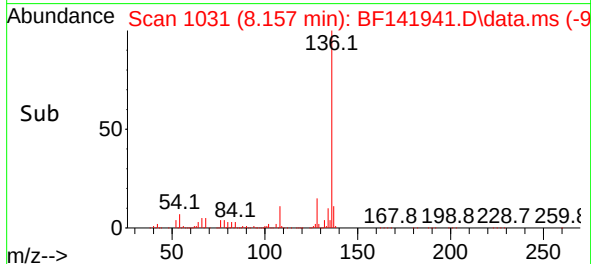
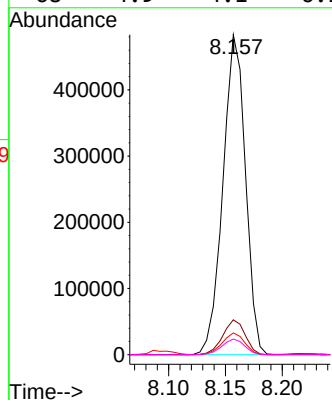
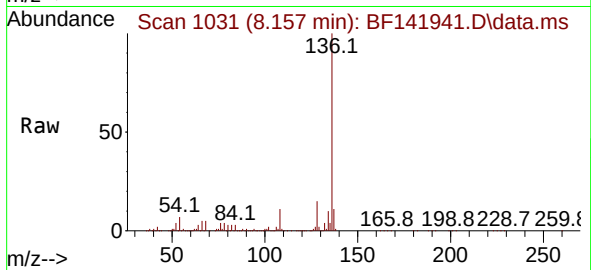
PB167097BS

Tgt Ion:136 Resp: 666660
Ion Ratio Lower Upper
136 100
137 10.9 8.8 13.2
54 6.8 5.8 8.8
68 4.9 4.1 6.1

Manual Integrations

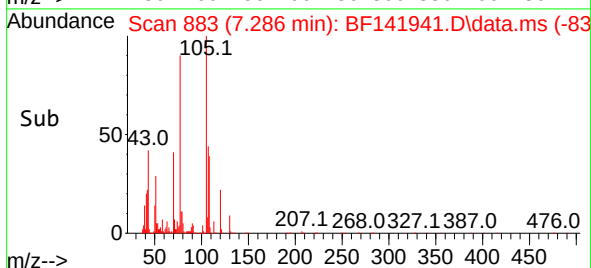
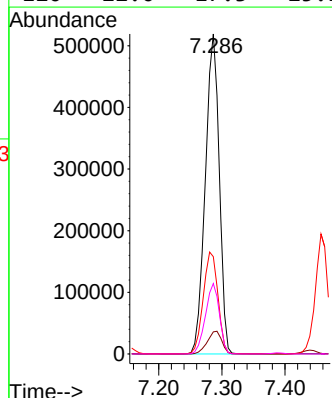
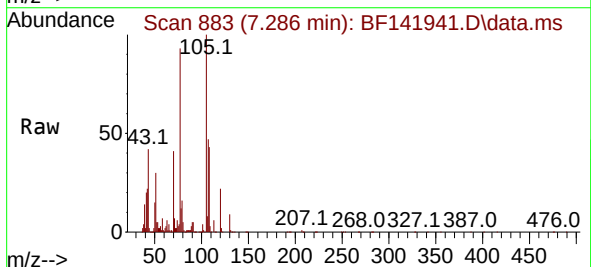
APPROVED

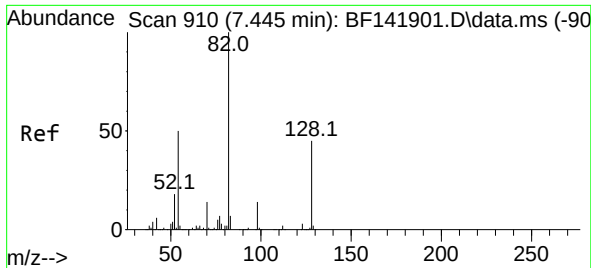
Reviewed By :Anahy Claudio 03/14/2025
Supervised By :Jagrut Upadhyay 03/14/2025



#22
Acetophenone
Concen: 49.735 ng
RT: 7.286 min Scan# 883
Delta R.T. -0.006 min
Lab File: BF141941.D
Acq: 13 Mar 2025 13:17

Tgt Ion:105 Resp: 794019
Ion Ratio Lower Upper
105 100
71 6.9 5.8 8.8
51 30.4 23.4 35.0
120 22.0 17.3 25.9





#23
Nitrobenzene-d5
Concen: 98.606 ng
RT: 7.439 min Scan# 909
Delta R.T. -0.006 min
Lab File: BF141941.D
Acq: 13 Mar 2025 13:17

Instrument :

BNA_F

ClientSampleId :

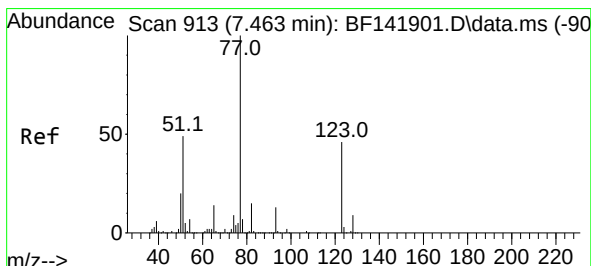
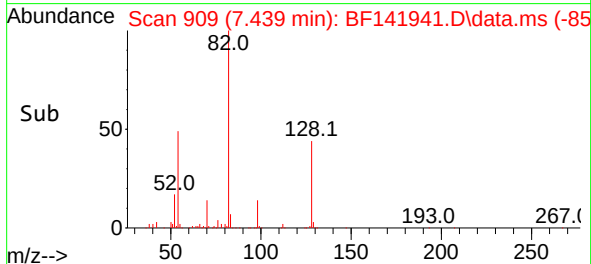
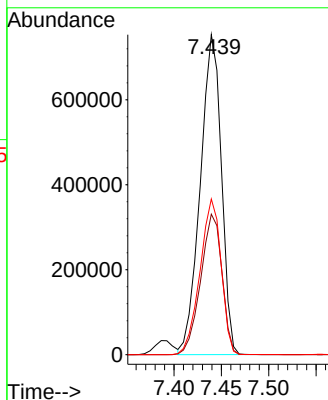
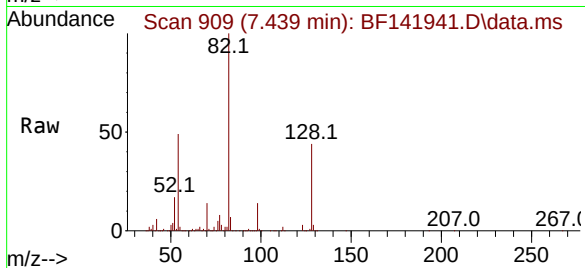
PB167097BS

Tgt Ion: 82 Resp: 116811
Ion Ratio Lower Upper
82 100
128 43.9 36.0 54.0
54 48.6 39.6 59.4

Manual Integrations

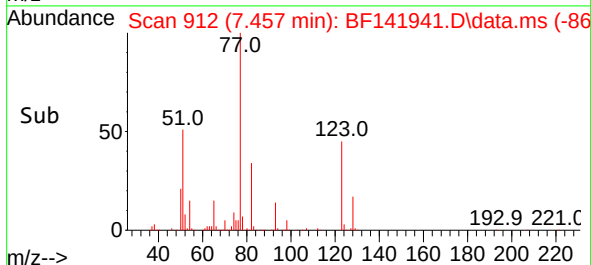
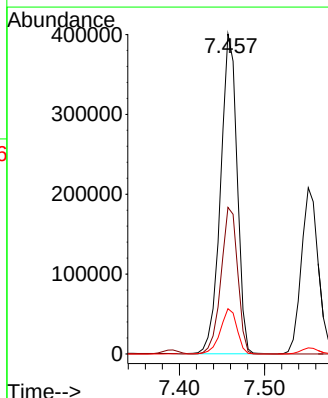
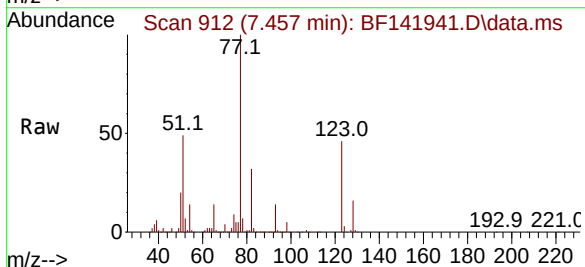
APPROVED

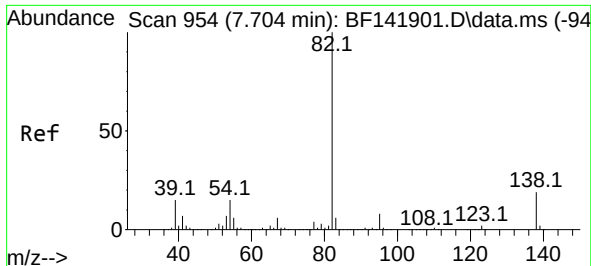
Reviewed By :Anahy Claudio 03/14/2025
Supervised By :Jagrut Upadhyay 03/14/2025



#24
Nitrobenzene
Concen: 45.933 ng
RT: 7.457 min Scan# 912
Delta R.T. -0.006 min
Lab File: BF141941.D
Acq: 13 Mar 2025 13:17

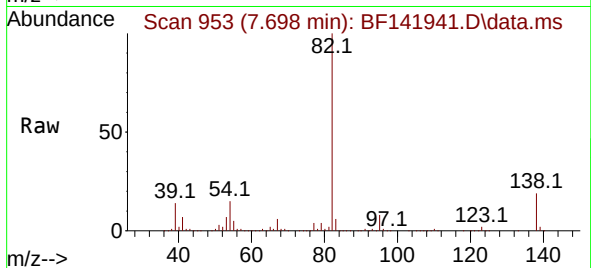
Tgt Ion: 77 Resp: 540933
Ion Ratio Lower Upper
77 100
123 45.8 37.0 55.4
65 14.1 11.3 16.9





#25
Isophorone
Concen: 47.387 ng
RT: 7.698 min Scan# 911
Delta R.T. -0.006 min
Lab File: BF141941.D
Acq: 13 Mar 2025 13:17

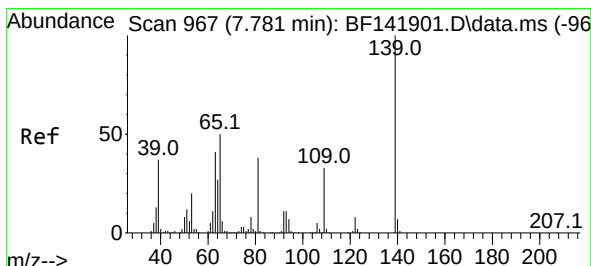
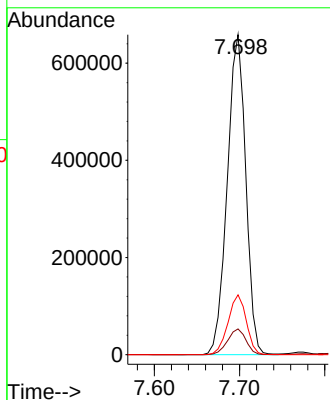
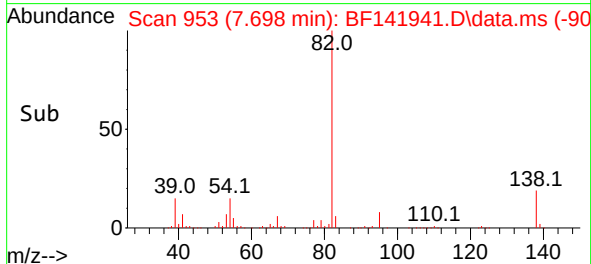
Instrument :
BNA_F
ClientSampleId :
PB167097BS



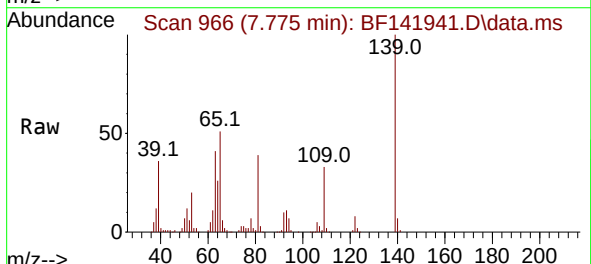
Tgt Ion: 82 Resp: 992280
Ion Ratio Lower Upper
82 100
95 8.1 6.4 9.6
138 18.7 14.9 22.3

Manual Integrations
APPROVED

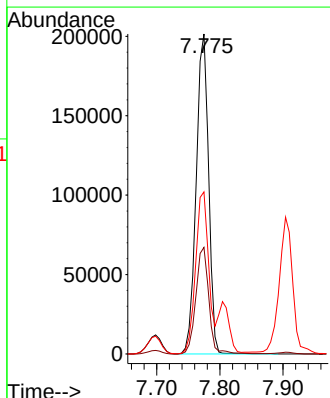
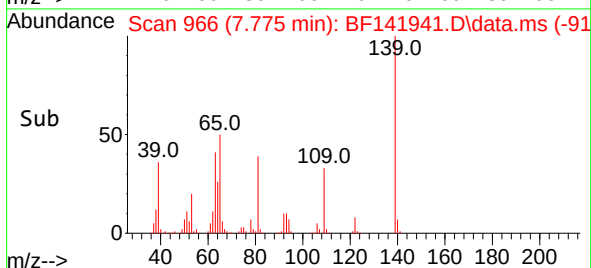
Reviewed By :Anahy Claudio 03/14/2025
Supervised By :Jagrut Upadhyay 03/14/2025

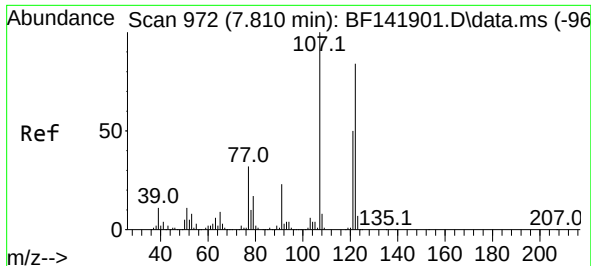


#26
2-Nitrophenol
Concen: 47.460 ng
RT: 7.775 min Scan# 966
Delta R.T. -0.006 min
Lab File: BF141941.D
Acq: 13 Mar 2025 13:17



Tgt Ion:139 Resp: 274315
Ion Ratio Lower Upper
139 100
109 33.3 26.5 39.7
65 50.7 40.3 60.5





#27

2,4-Dimethylphenol

Concen: 57.557 ng

RT: 7.804 min Scan# 91

Delta R.T. -0.006 min

Lab File: BF141941.D

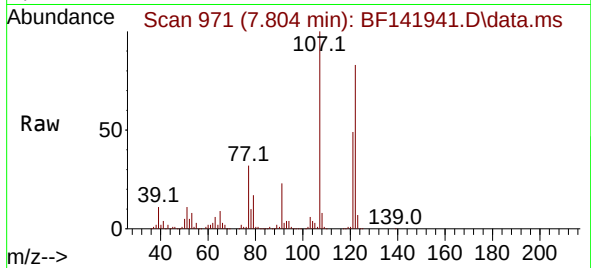
Acq: 13 Mar 2025 13:17

Instrument :

BNA_F

ClientSampleId :

PB167097BS



Tgt Ion:122 Resp: 45808

Ion Ratio Lower Upper

122 100

107 120.2 94.8 142.2

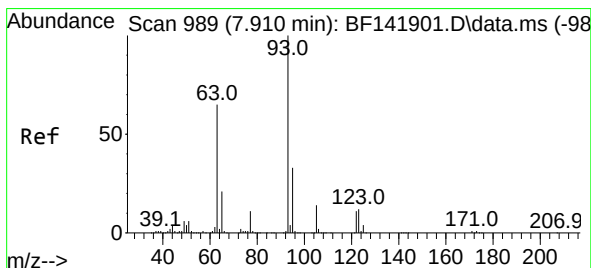
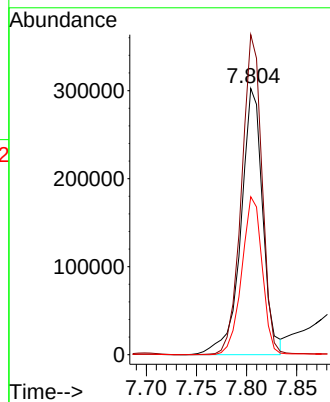
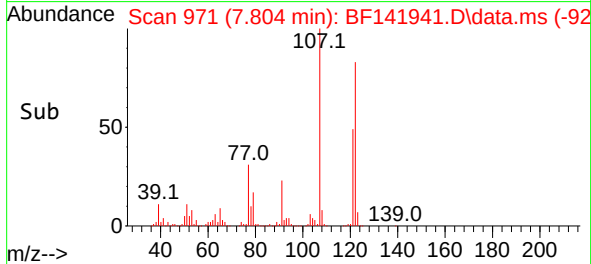
121 59.3 47.8 71.6

Manual Integrations

APPROVED

Reviewed By :Anahy Claudio 03/14/2025

Supervised By :Jagrut Upadhyay 03/14/2025



#28

bis(2-Chloroethoxy)methane

Concen: 44.484 ng

RT: 7.904 min Scan# 988

Delta R.T. -0.006 min

Lab File: BF141941.D

Acq: 13 Mar 2025 13:17

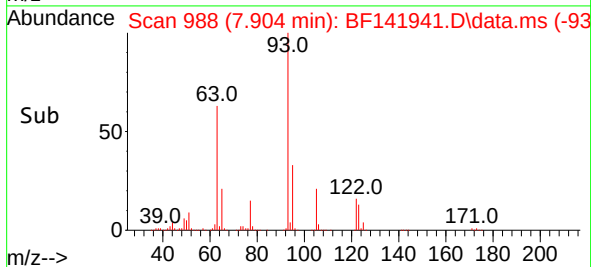
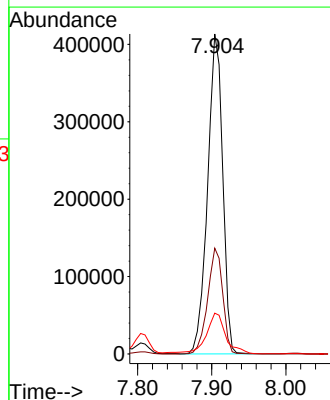
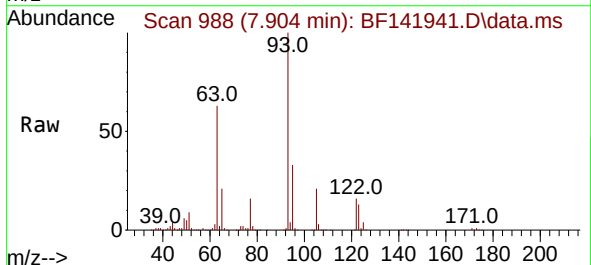
Tgt Ion: 93 Resp: 584252

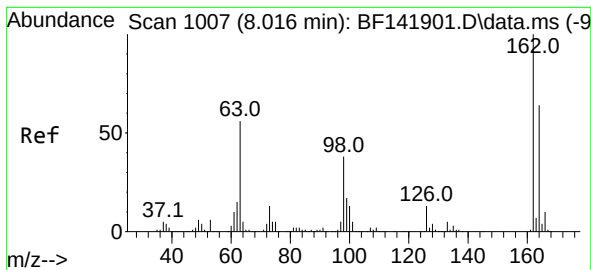
Ion Ratio Lower Upper

93 100

95 33.0 26.6 40.0

123 12.7 10.2 15.4





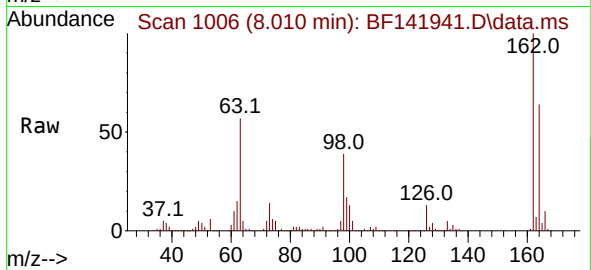
#29
2,4-Dichlorophenol
Concen: 46.058 ng
RT: 8.010 min Scan# 1006
Delta R.T. -0.006 min
Lab File: BF141941.D
Acq: 13 Mar 2025 13:17

Instrument :

BNA_F

ClientSampleId :

PB167097BS

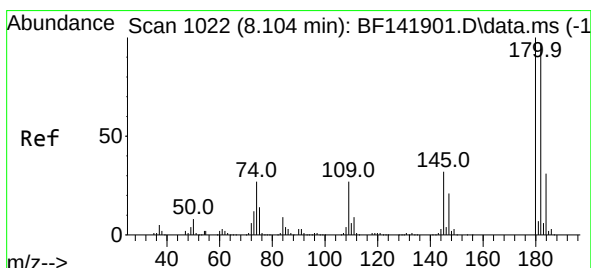
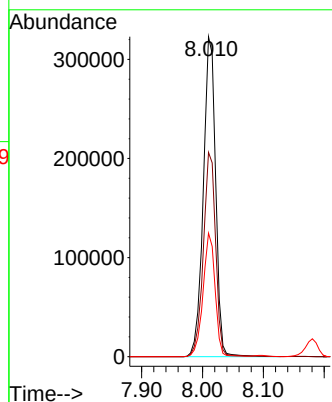
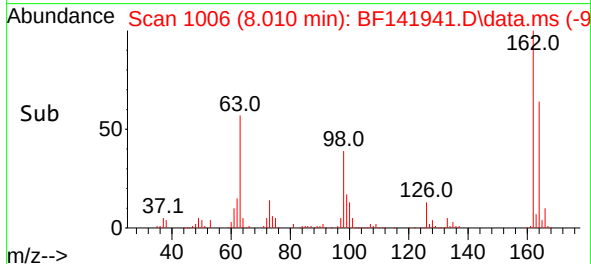


Tgt Ion:162 Resp: 45499
Ion Ratio Lower Upper
162 100
164 63.9 43.8 83.8
98 38.6 18.1 58.1

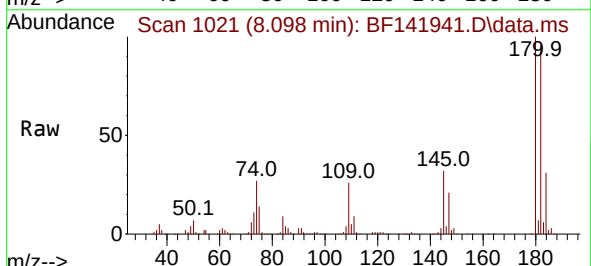
Manual Integrations

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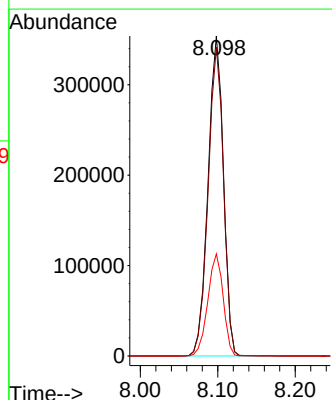
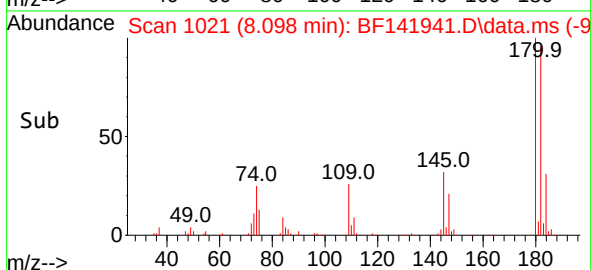
Reviewed By :Anahy Claudio 03/14/2025
Supervised By :Jagrut Upadhyay 03/14/2025

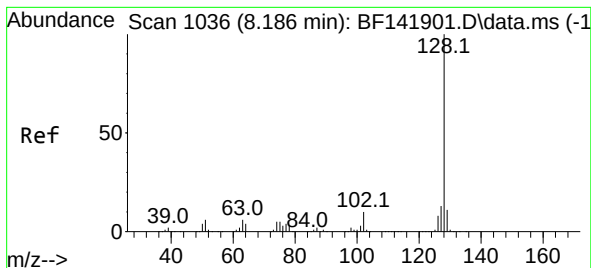


#30
1,2,4-Trichlorobenzene
Concen: 44.952 ng
RT: 8.098 min Scan# 1021
Delta R.T. -0.006 min
Lab File: BF141941.D
Acq: 13 Mar 2025 13:17



Tgt Ion:180 Resp: 489377
Ion Ratio Lower Upper
180 100
182 96.5 77.5 116.3
145 31.9 25.8 38.6





#31

Naphthalene

Concen: 44.415 ng

RT: 8.181 min Scan# 1036

Delta R.T. -0.006 min

Lab File: BF141941.D

Acq: 13 Mar 2025 13:17

Instrument :

BNA_F

ClientSampleId :

PB167097BS

Tgt Ion:128 Resp: 152100

Ion Ratio Lower Upper

128 100

129 11.2 9.0 13.6

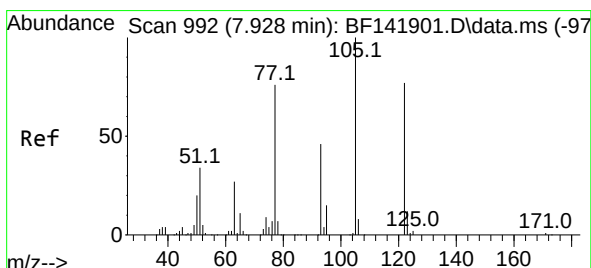
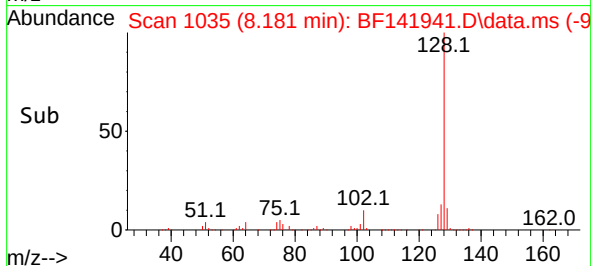
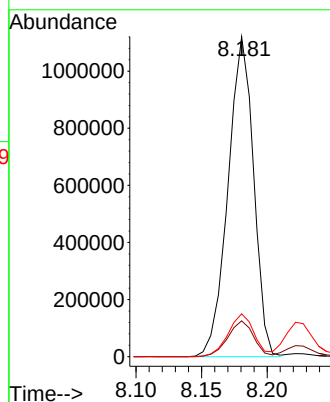
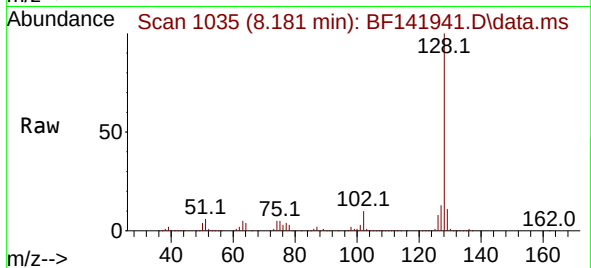
127 13.4 10.8 16.2

Manual Integrations

APPROVED

Reviewed By :Anahy Claudio 03/14/2025

Supervised By :Jagrut Upadhyay 03/14/2025



#32

Benzoic acid

Concen: 52.727 ng

RT: 7.928 min Scan# 992

Delta R.T. -0.000 min

Lab File: BF141941.D

Acq: 13 Mar 2025 13:17

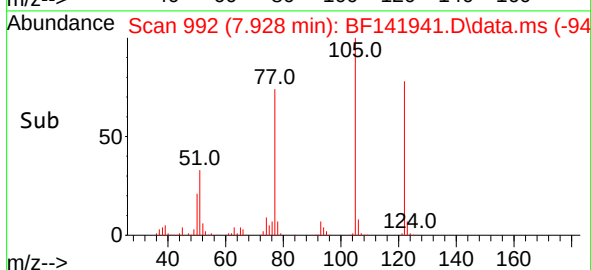
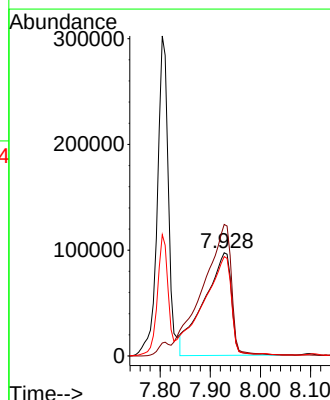
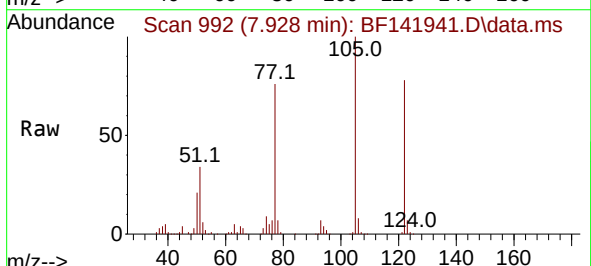
Tgt Ion:122 Resp: 368882

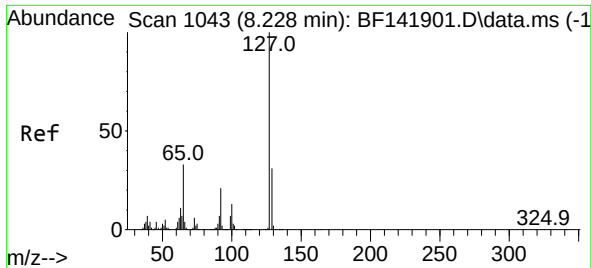
Ion Ratio Lower Upper

122 100

105 127.5 107.9 147.9

77 96.3 79.0 119.0





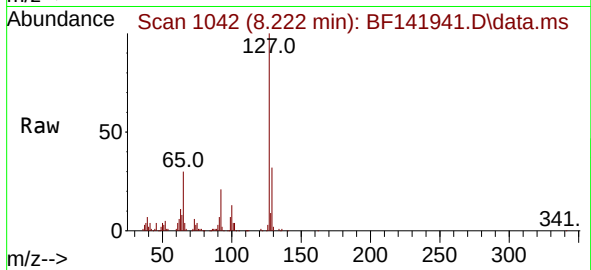
#33
4-Chloroaniline
Concen: 15.710 ng
RT: 8.222 min Scan# 1042
Delta R.T. -0.006 min
Lab File: BF141941.D
Acq: 13 Mar 2025 13:17

Instrument :

BNA_F

ClientSampleId :

PB167097BS

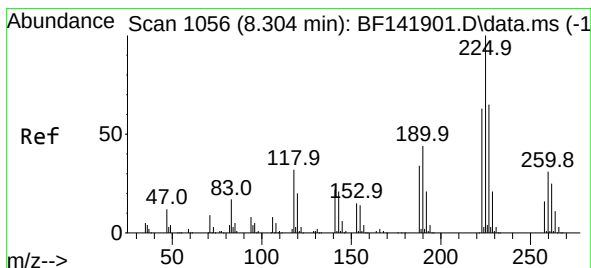
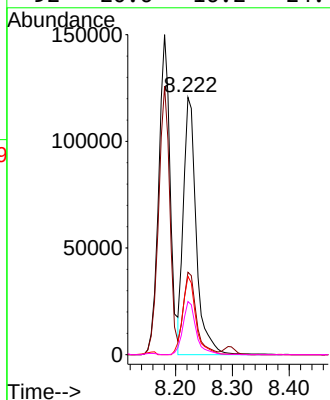
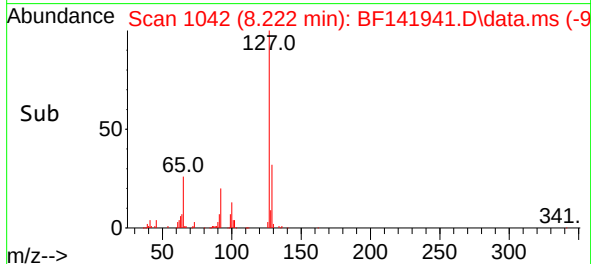


Tgt Ion:127 Resp: 189925
Ion Ratio Lower Upper
127 100
129 32.0 26.2 39.4
65 30.4 25.4 38.2
92 20.6 16.2 24.4

Manual Integrations

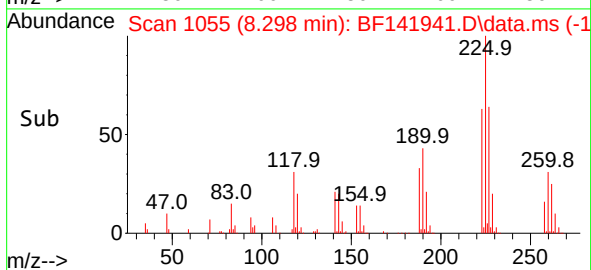
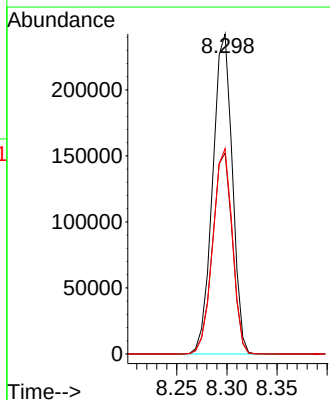
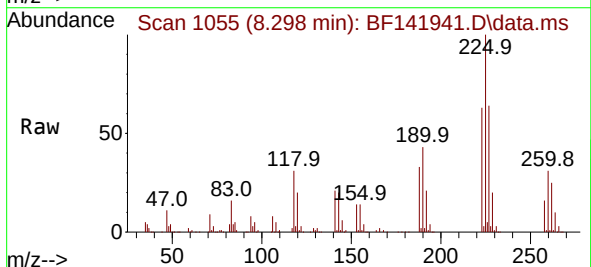
APPROVED

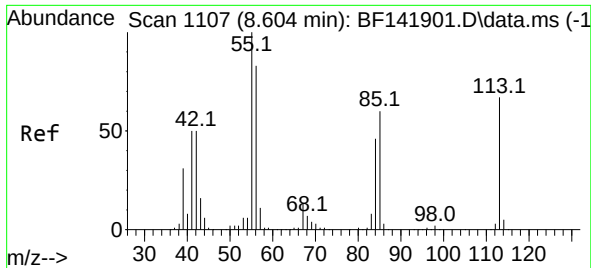
Reviewed By :Anahy Claudio 03/14/2025
Supervised By :Jagrut Upadhyay 03/14/2025



#34
Hexachlorobutadiene
Concen: 46.496 ng
RT: 8.298 min Scan# 1055
Delta R.T. -0.006 min
Lab File: BF141941.D
Acq: 13 Mar 2025 13:17

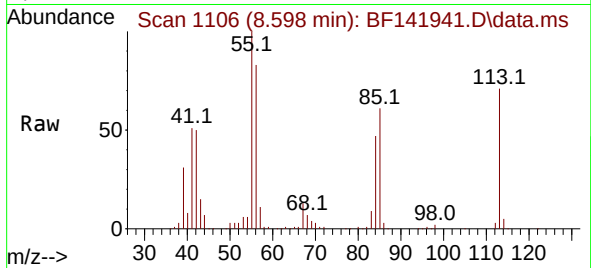
Tgt Ion:225 Resp: 330110
Ion Ratio Lower Upper
225 100
223 62.8 50.6 75.8
227 64.2 52.2 78.2





#35
Caprolactam
Concen: 49.717 ng m
RT: 8.598 min Scan# 1106
Delta R.T. -0.006 min
Lab File: BF141941.D
Acq: 13 Mar 2025 13:17

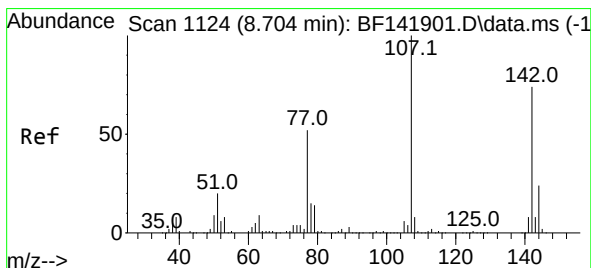
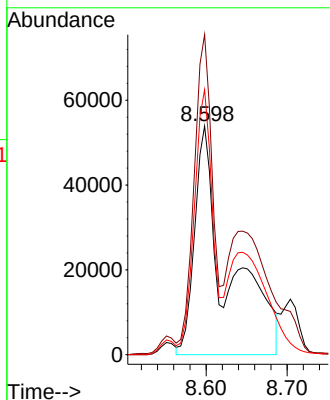
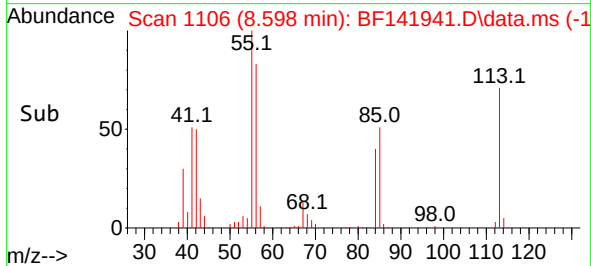
Instrument :
BNA_F
ClientSampleId :
PB167097BS



Tgt Ion:113 Resp: 149730
Ion Ratio Lower Upper
113 100
55 139.9 129.6 169.6
56 115.9 104.0 144.0

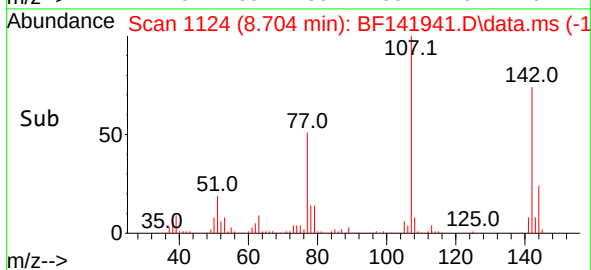
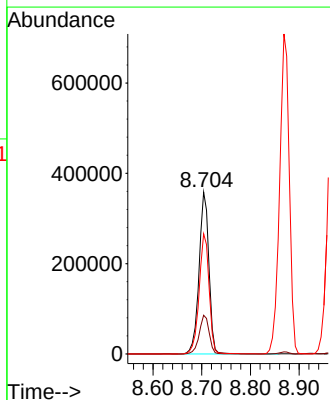
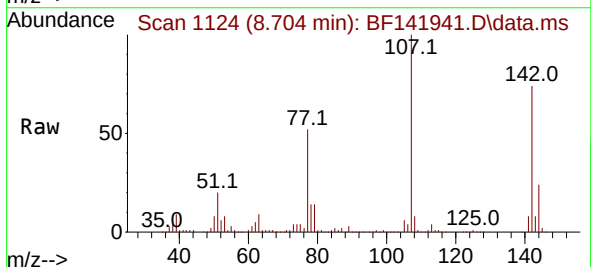
Manual Integrations
APPROVED

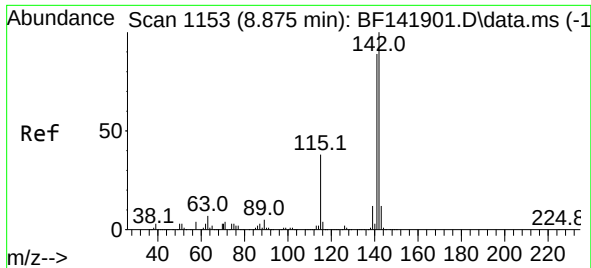
Reviewed By :Anahy Claudio 03/14/2025
Supervised By :Jagrut Upadhyay 03/14/2025



#36
4-Chloro-3-methylphenol
Concen: 45.924 ng
RT: 8.704 min Scan# 1124
Delta R.T. 0.000 min
Lab File: BF141941.D
Acq: 13 Mar 2025 13:17

Tgt Ion:107 Resp: 506070
Ion Ratio Lower Upper
107 100
144 24.0 19.0 28.6
142 74.3 59.2 88.8





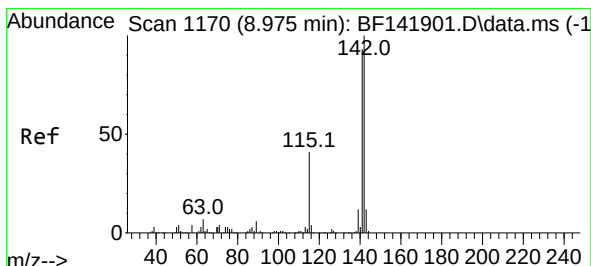
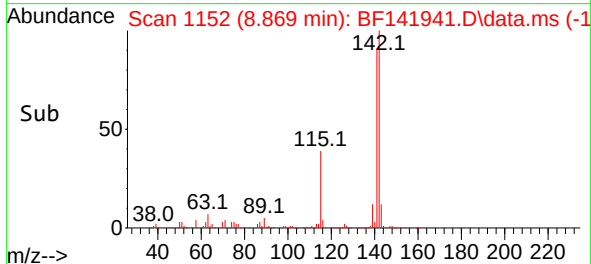
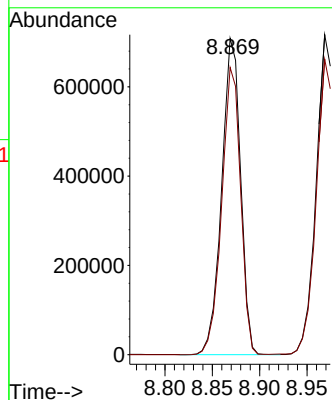
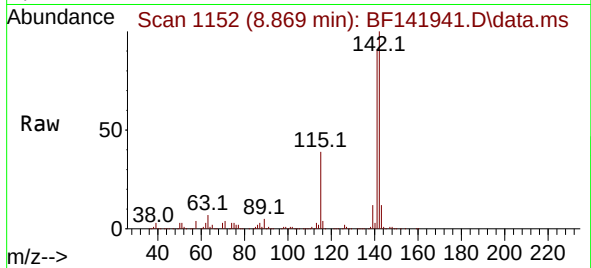
#37
2-Methylnaphthalene
Concen: 42.989 ng
RT: 8.869 min Scan# 1152
Delta R.T. -0.006 min
Lab File: BF141941.D
Acq: 13 Mar 2025 13:17

Instrument :
BNA_F
ClientSampleId :
PB167097BS

Tgt Ion:142 Resp: 984010
Ion Ratio Lower Upper
142 100
141 90.8 71.2 106.8

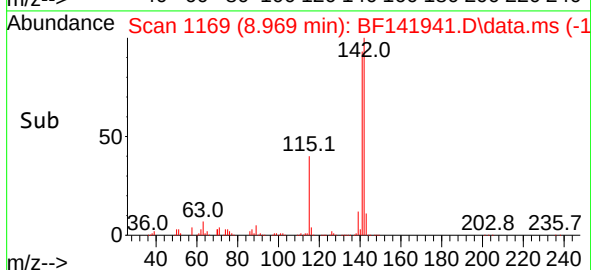
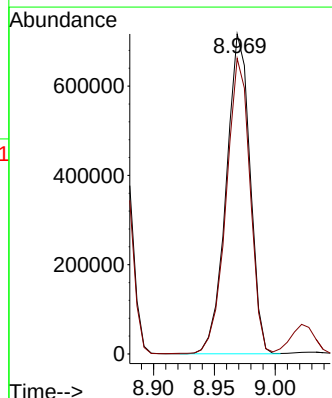
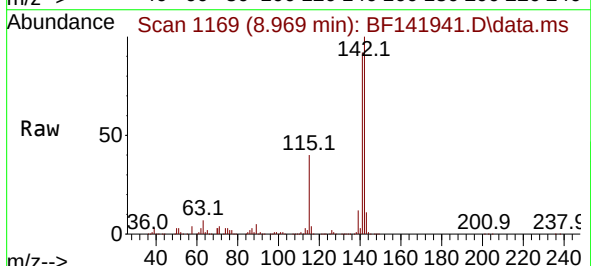
Manual Integrations
APPROVED

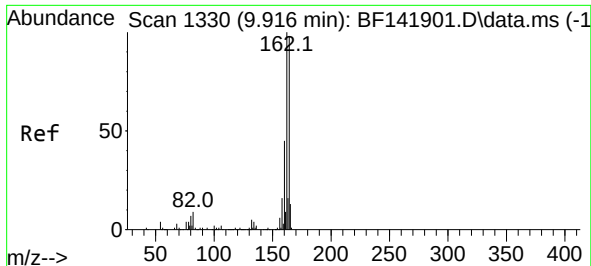
Reviewed By :Anahy Claudio 03/14/2025
Supervised By :Jagrut Upadhyay 03/14/2025



#38
1-Methylnaphthalene
Concen: 44.147 ng
RT: 8.969 min Scan# 1169
Delta R.T. -0.006 min
Lab File: BF141941.D
Acq: 13 Mar 2025 13:17

Tgt Ion:142 Resp: 975143
Ion Ratio Lower Upper
142 100
141 92.4 74.2 111.4





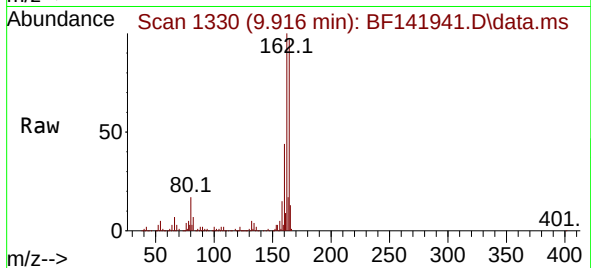
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.916 min Scan# 1181
Delta R.T. -0.000 min
Lab File: BF141941.D
Acq: 13 Mar 2025 13:17

Instrument :

BNA_F

ClientSampleId :

PB167097BS

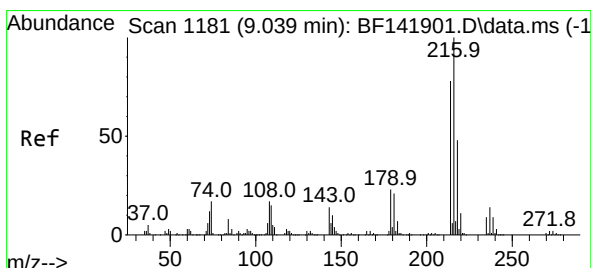
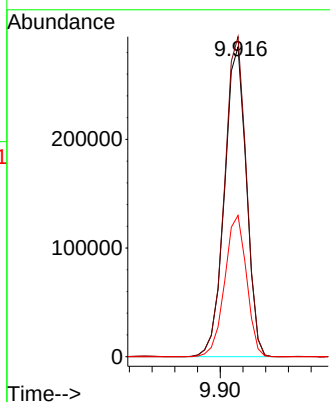
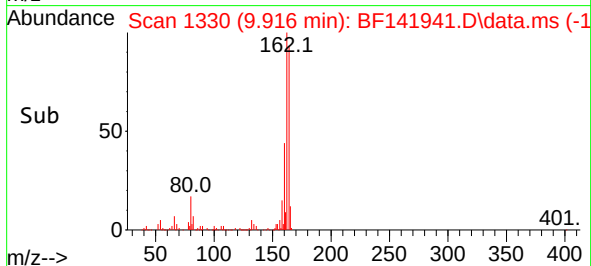


Tgt Ion:164 Resp: 381131
Ion Ratio Lower Upper
164 100
162 103.3 81.8 122.6
160 45.6 36.7 55.1

Manual Integrations

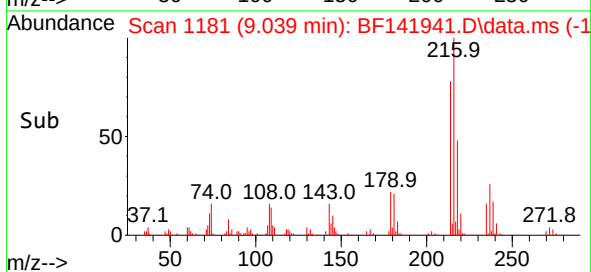
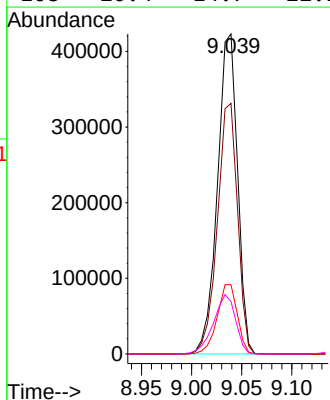
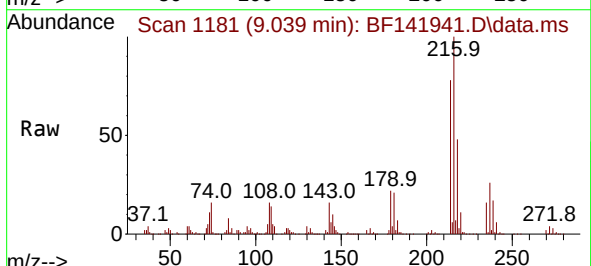
APPROVED

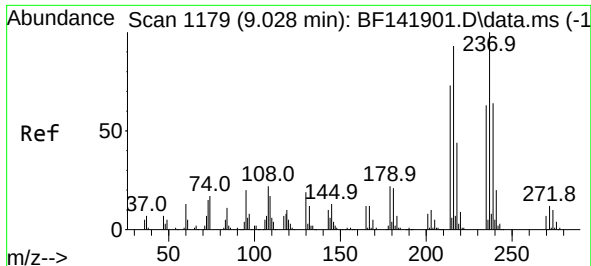
Reviewed By :Anahy Claudio 03/14/2025
Supervised By :Jagrut Upadhyay 03/14/2025



#40
1,2,4,5-Tetrachlorobenzene
Concen: 50.807 ng
RT: 9.039 min Scan# 1181
Delta R.T. 0.000 min
Lab File: BF141941.D
Acq: 13 Mar 2025 13:17

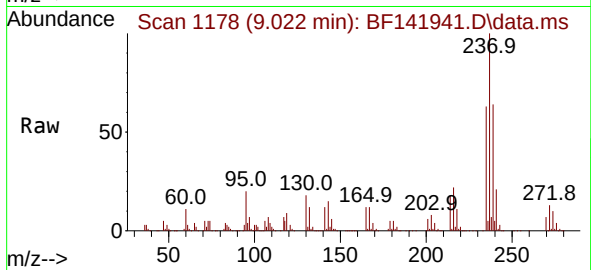
Tgt Ion:216 Resp: 589567
Ion Ratio Lower Upper
216 100
214 78.4 61.9 92.9
179 21.8 18.1 27.1
108 20.4 14.7 22.1





#41
Hexachlorocyclopentadiene
Concen: 173.440 ng
RT: 9.022 min Scan# 1179
Delta R.T. -0.006 min
Lab File: BF141941.D
Acq: 13 Mar 2025 13:17

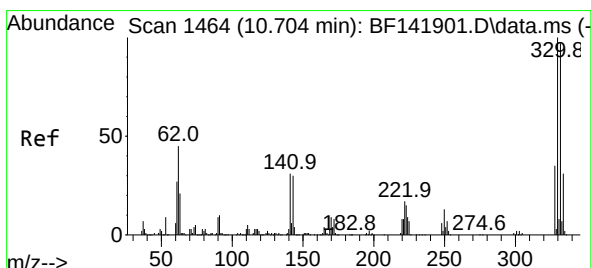
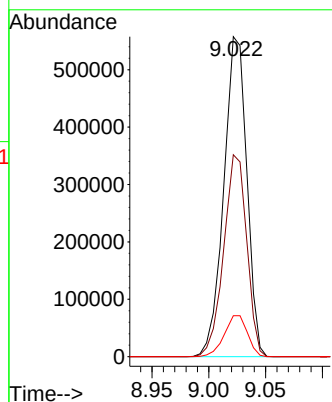
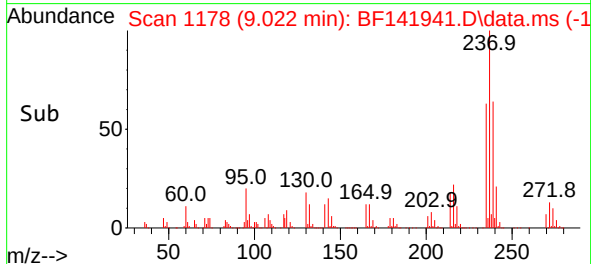
Instrument :
BNA_F
ClientSampleId :
PB167097BS



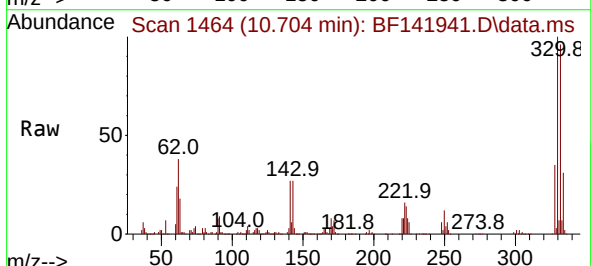
Tgt Ion:237 Resp: 78764
Ion Ratio Lower Upper
237 100
235 63.1 43.1 83.1
272 12.8 0.0 32.0

Manual Integrations
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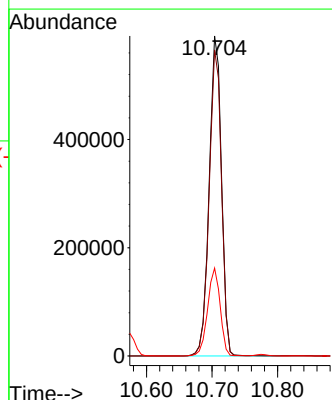
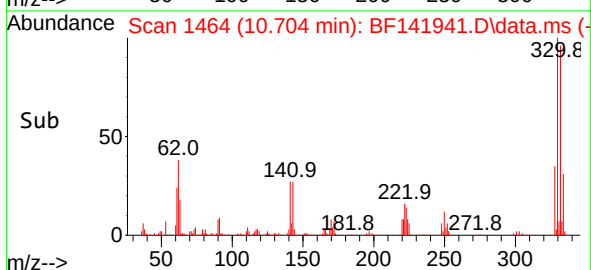
Reviewed By :Anahy Claudio 03/14/2025
Supervised By :Jagrut Upadhyay 03/14/2025

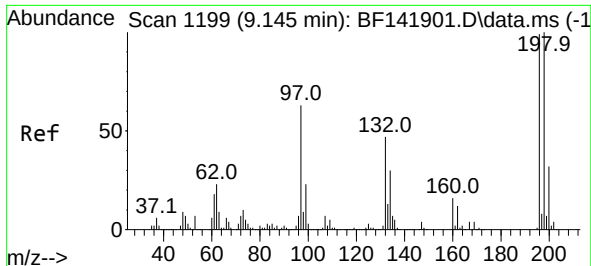


#42
2,4,6-Tribromophenol
Concen: 160.048 ng
RT: 10.704 min Scan# 1464
Delta R.T. 0.000 min
Lab File: BF141941.D
Acq: 13 Mar 2025 13:17



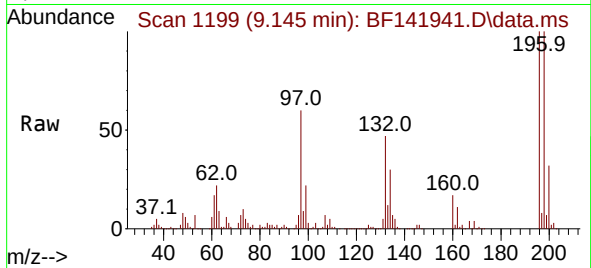
Tgt Ion:330 Resp: 773860
Ion Ratio Lower Upper
330 100
332 95.8 77.6 116.4
141 28.0 24.7 37.1





#43
2,4,6-Trichlorophenol
Concen: 49.244 ng
RT: 9.145 min Scan# 1199
Delta R.T. 0.000 min
Lab File: BF141941.D
Acq: 13 Mar 2025 13:17

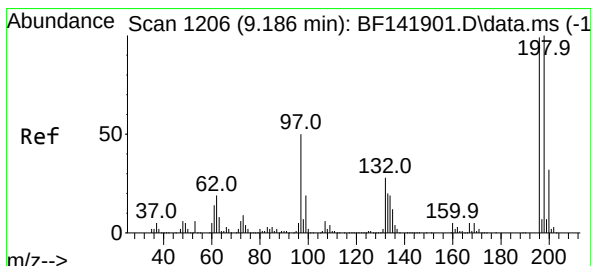
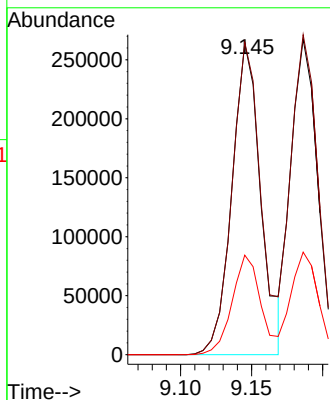
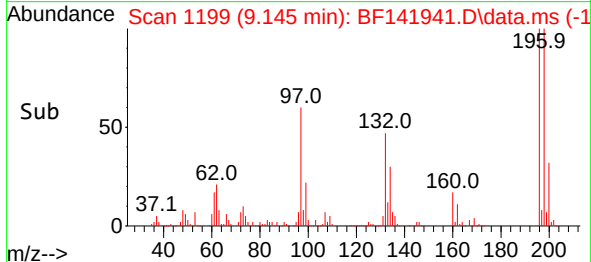
Instrument :
BNA_F
ClientSampleId :
PB167097BS



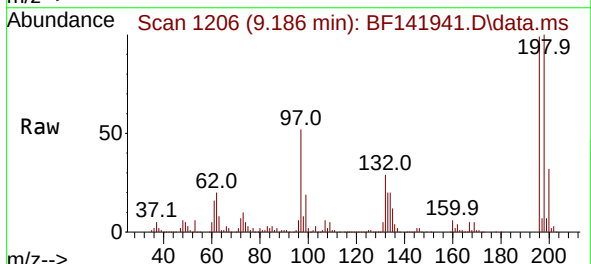
Tgt Ion:196 Resp: 373440
Ion Ratio Lower Upper
196 100
198 100.4 80.6 121.0
200 32.0 25.8 38.6

Manual Integrations
APPROVED

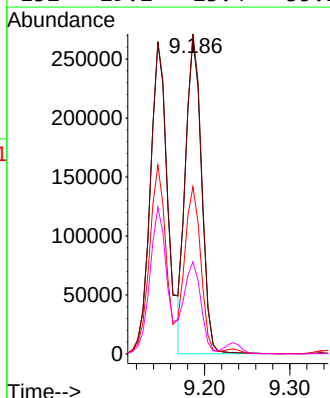
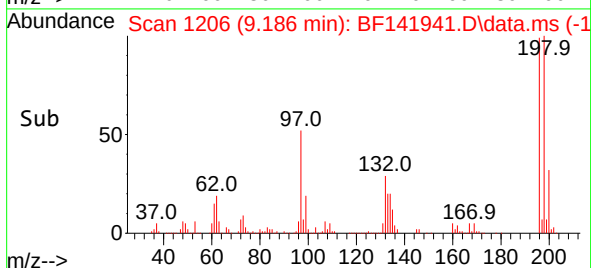
Reviewed By :Anahy Claudio 03/14/2025
Supervised By :Jagrut Upadhyay 03/14/2025

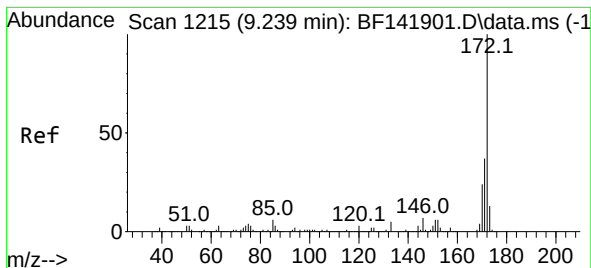


#44
2,4,5-Trichlorophenol
Concen: 45.418 ng
RT: 9.186 min Scan# 1206
Delta R.T. 0.000 min
Lab File: BF141941.D
Acq: 13 Mar 2025 13:17



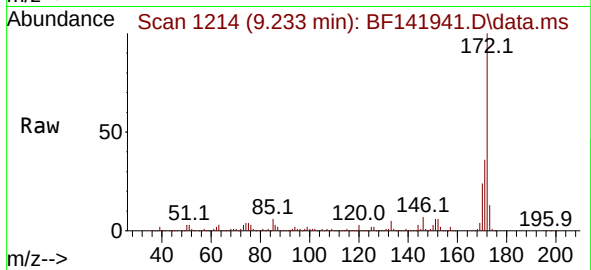
Tgt Ion:196 Resp: 348841
Ion Ratio Lower Upper
196 100
198 101.4 80.7 121.1
97 53.0 42.1 63.1
132 29.2 23.4 35.2





#45
2-Fluorobiphenyl
Concen: 97.806 ng
RT: 9.233 min Scan# 1214
Delta R.T. -0.006 min
Lab File: BF141941.D
Acq: 13 Mar 2025 13:17

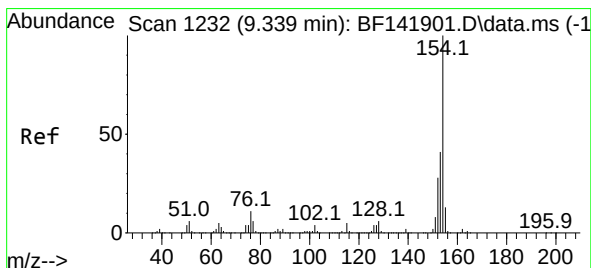
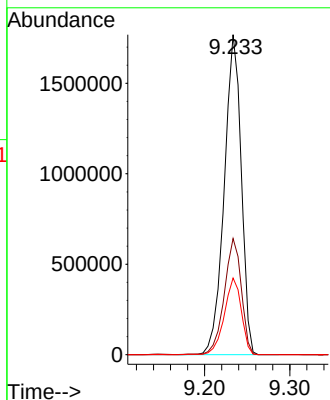
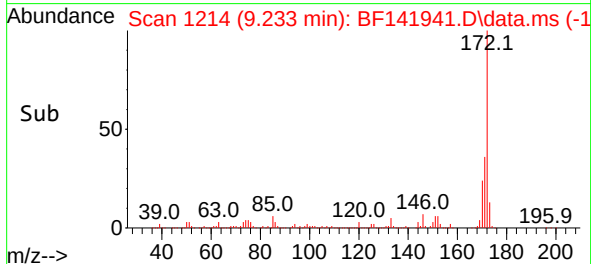
Instrument :
BNA_F
ClientSampleId :
PB167097BS



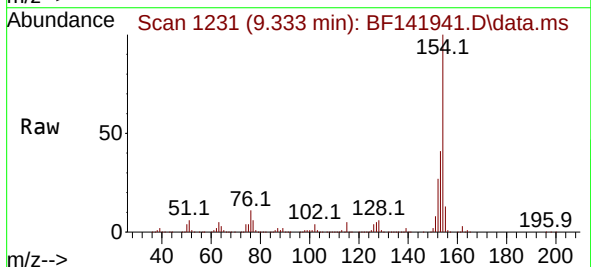
Tgt Ion:172 Resp: 2451144
Ion Ratio Lower Upper
172 100
171 36.3 29.3 43.9
170 24.0 19.4 29.0

Manual Integrations
APPROVED

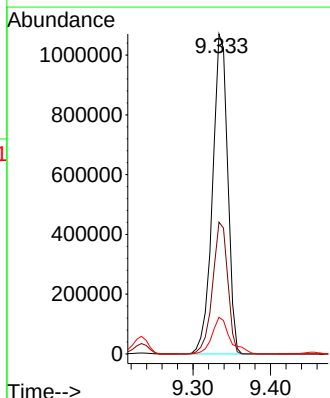
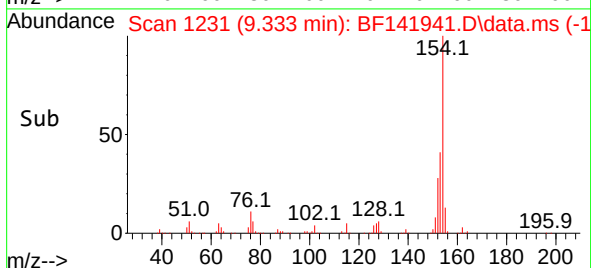
Reviewed By :Anahy Claudio 03/14/2025
Supervised By :Jagrut Upadhyay 03/14/2025

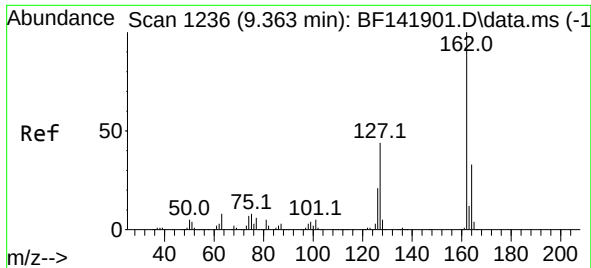


#46
1,1'-Biphenyl
Concen: 50.256 ng
RT: 9.333 min Scan# 1231
Delta R.T. -0.006 min
Lab File: BF141941.D
Acq: 13 Mar 2025 13:17



Tgt Ion:154 Resp: 1455375
Ion Ratio Lower Upper
154 100
153 41.2 21.1 61.1
76 11.5 0.0 31.3





#47
2-Chloronaphthalene
Concen: 46.033 ng
RT: 9.363 min Scan# 1236
Delta R.T. 0.000 min
Lab File: BF141941.D
Acq: 13 Mar 2025 13:17

Instrument :

BNA_F

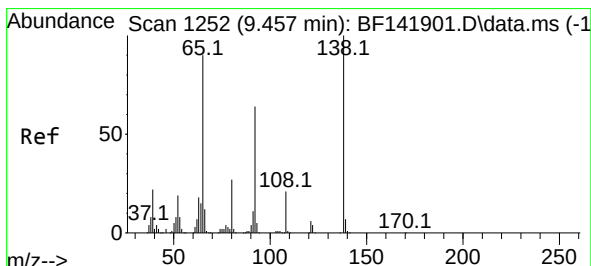
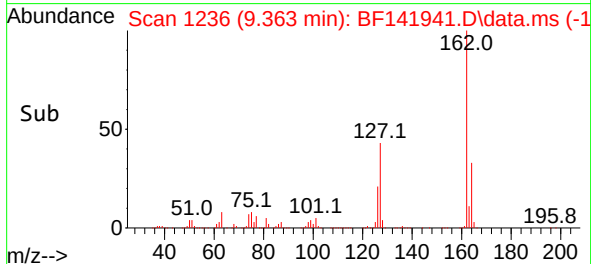
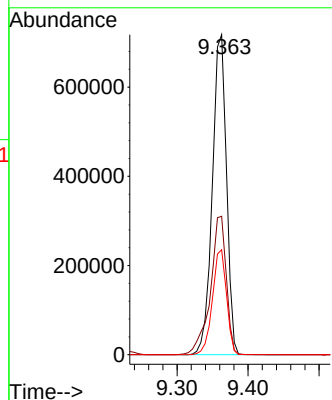
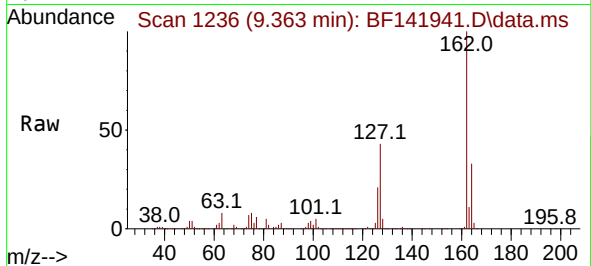
ClientSampleId :

PB167097BS

Tgt Ion:162 Resp: 99360
Ion Ratio Lower Upper
162 100
127 43.2 35.5 53.3
164 32.8 26.6 40.0

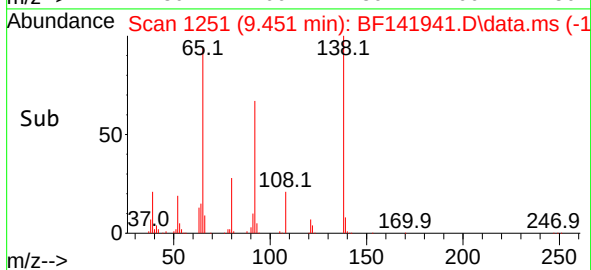
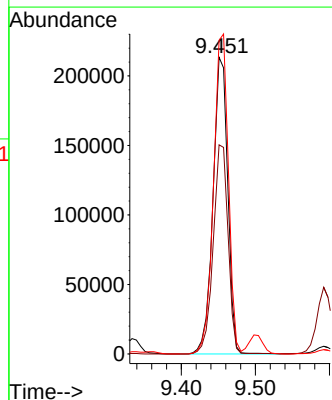
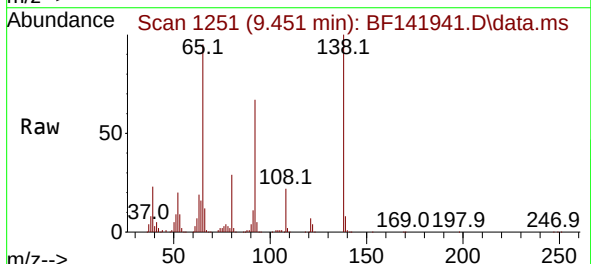
Manual Integrations
APPROVED

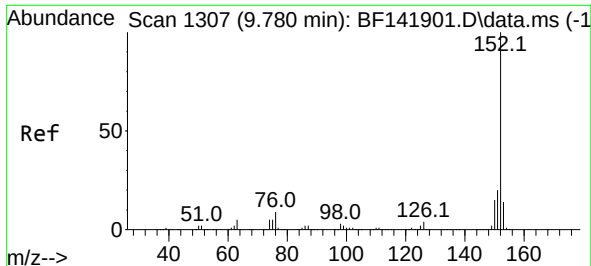
Reviewed By :Anahy Claudio 03/14/2025
Supervised By :Jagrut Upadhyay 03/14/2025



#48
2-Nitroaniline
Concen: 47.288 ng
RT: 9.451 min Scan# 1251
Delta R.T. -0.006 min
Lab File: BF141941.D
Acq: 13 Mar 2025 13:17

Tgt Ion: 65 Resp: 295534
Ion Ratio Lower Upper
65 100
92 70.5 56.6 84.8
138 105.7 88.6 133.0





#49
Acenaphthylene
Concen: 48.500 ng
RT: 9.775 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF141941.D
Acq: 13 Mar 2025 13:17

Instrument :

BNA_F

ClientSampleId :

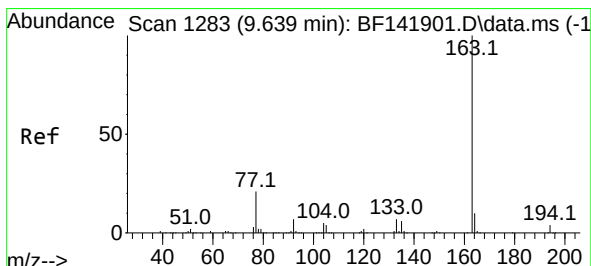
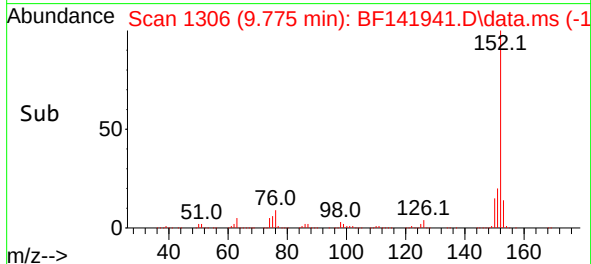
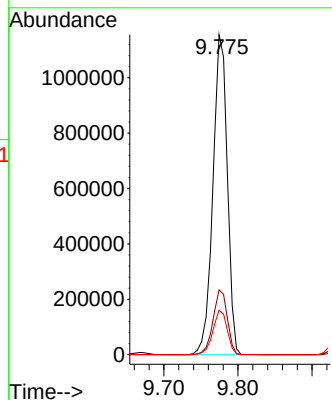
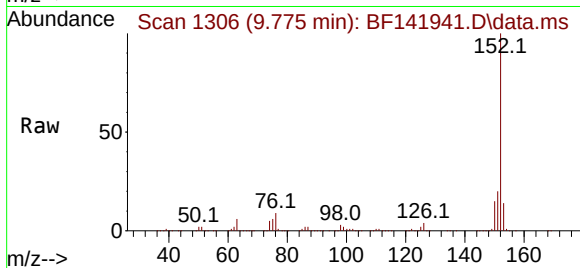
PB167097BS

Tgt Ion:152 Resp: 155348
Ion Ratio Lower Upper
152 100
151 20.3 16.3 24.5
153 13.9 11.1 16.7

Manual Integrations

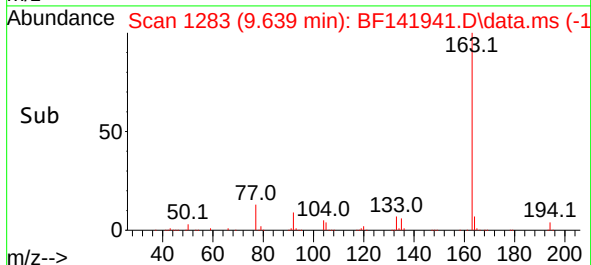
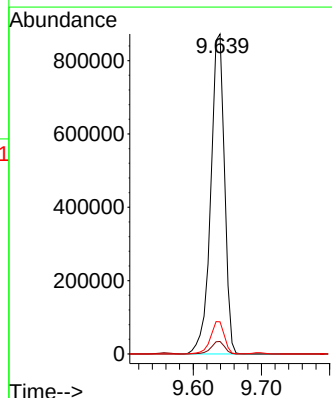
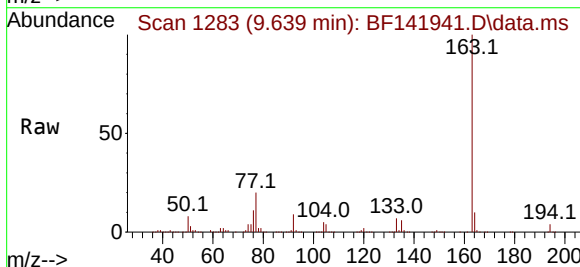
APPROVED

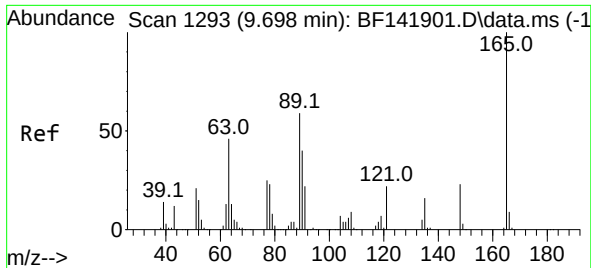
Reviewed By :Anahy Claudio 03/14/2025
Supervised By :Jagrut Upadhyay 03/14/2025



#50
Dimethylphthalate
Concen: 45.891 ng
RT: 9.639 min Scan# 1283
Delta R.T. 0.000 min
Lab File: BF141941.D
Acq: 13 Mar 2025 13:17

Tgt Ion:163 Resp: 1224816
Ion Ratio Lower Upper
163 100
194 3.9 3.1 4.7
164 10.1 8.2 12.4





#51
2,6-Dinitrotoluene
Concen: 46.717 ng
RT: 9.698 min Scan# 1293
Delta R.T. 0.000 min
Lab File: BF141941.D
Acq: 13 Mar 2025 13:17

Instrument :

BNA_F

ClientSampleId :

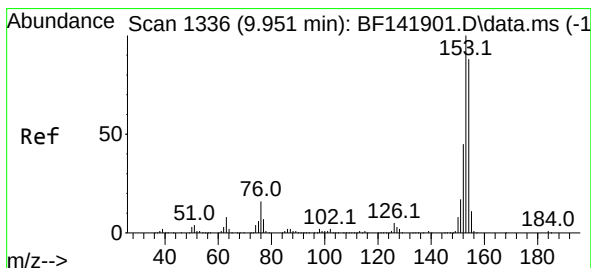
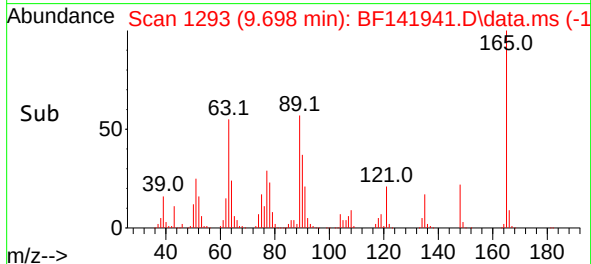
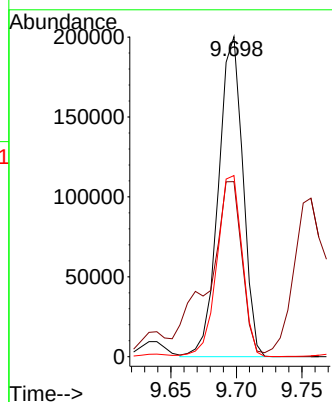
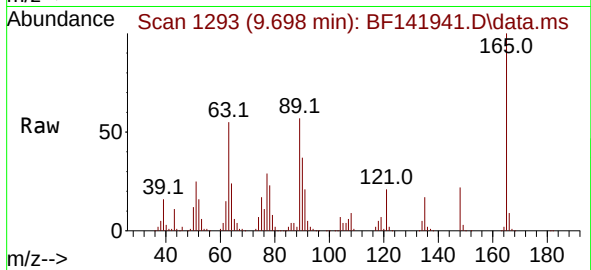
PB167097BS

Tgt Ion:165 Resp: 259612
Ion Ratio Lower Upper
165 100
63 54.7 47.0 70.4
89 56.6 47.4 71.2

Manual Integrations

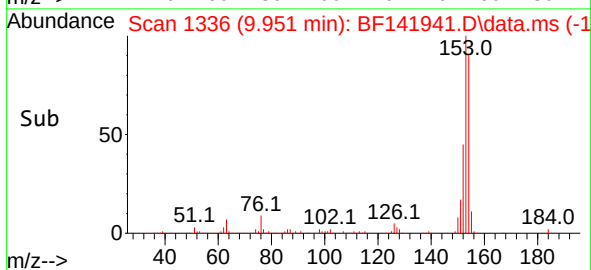
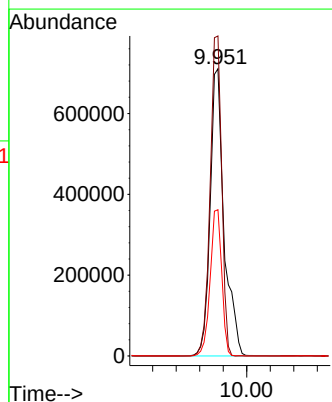
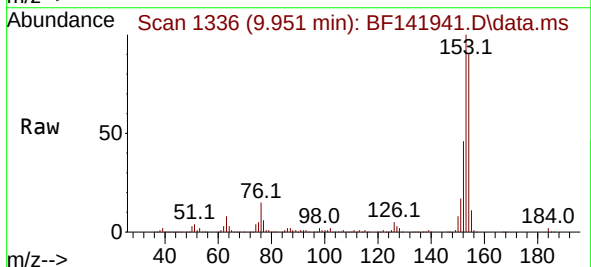
APPROVED

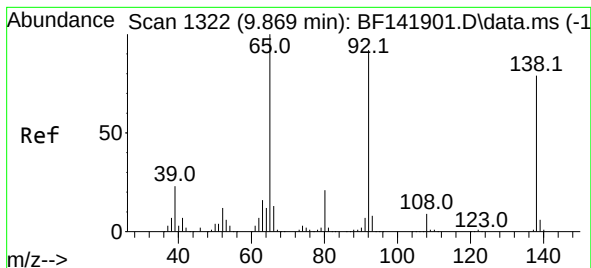
Reviewed By :Anahy Claudio 03/14/2025
Supervised By :Jagrut Upadhyay 03/14/2025



#52
Acenaphthene
Concen: 51.989 ng
RT: 9.951 min Scan# 1336
Delta R.T. 0.000 min
Lab File: BF141941.D
Acq: 13 Mar 2025 13:17

Tgt Ion:154 Resp: 1170255
Ion Ratio Lower Upper
154 100
153 111.4 90.7 136.1
152 50.9 41.1 61.7





#53
3-Nitroaniline
Concen: 25.536 ng
RT: 9.863 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF141941.D
Acq: 13 Mar 2025 13:17

Instrument :

BNA_F

ClientSampleId :

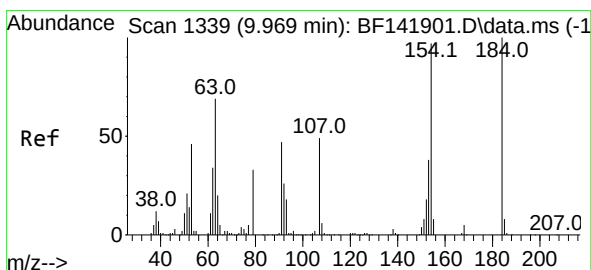
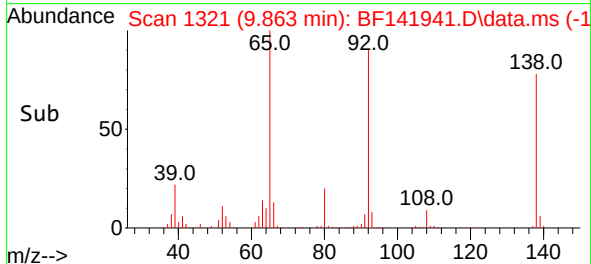
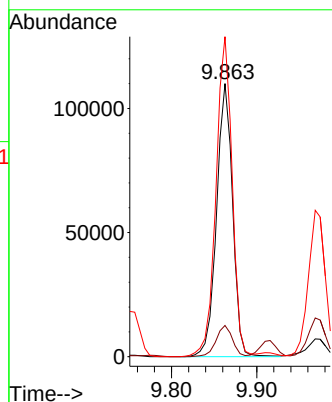
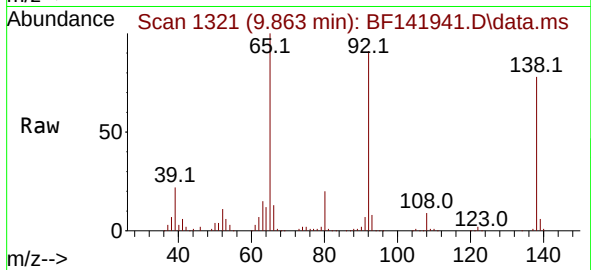
PB167097BS

Tgt Ion:138 Resp: 14394
Ion Ratio Lower Upper
138 100
108 11.4 9.3 13.9
92 117.2 93.5 140.3

Manual Integrations

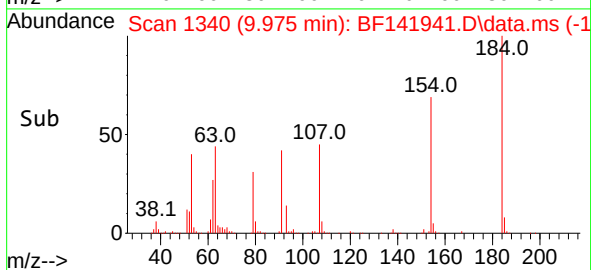
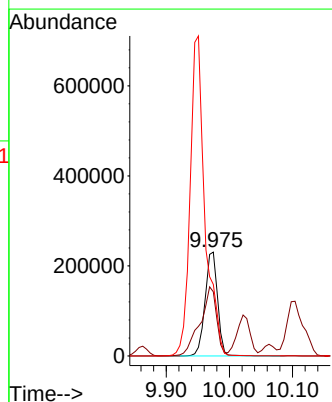
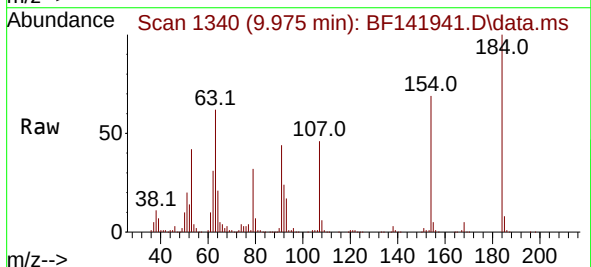
APPROVED

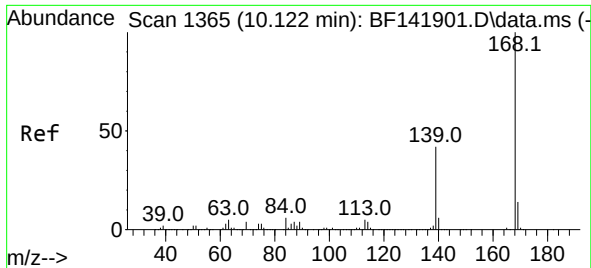
Reviewed By :Anahy Claudio 03/14/2025
Supervised By :Jagrut Upadhyay 03/14/2025



#54
2,4-Dinitrophenol
Concen: 99.219 ng
RT: 9.975 min Scan# 1340
Delta R.T. 0.006 min
Lab File: BF141941.D
Acq: 13 Mar 2025 13:17

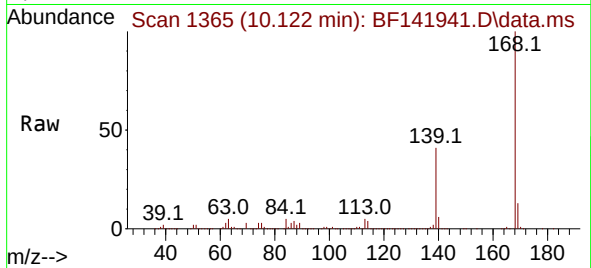
Tgt Ion:184 Resp: 318705
Ion Ratio Lower Upper
184 100
63 61.8 60.2 90.4
154 68.9 132.9 199.3#





#55
Dibenzenofuran
Concen: 44.061 ng
RT: 10.122 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF141941.D
Acq: 13 Mar 2025 13:17

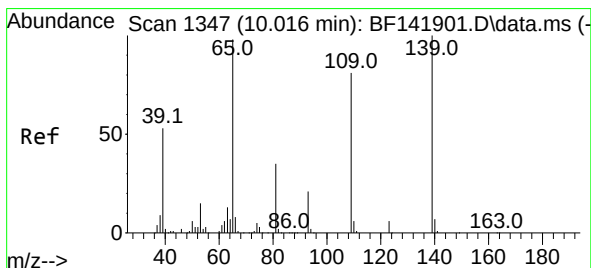
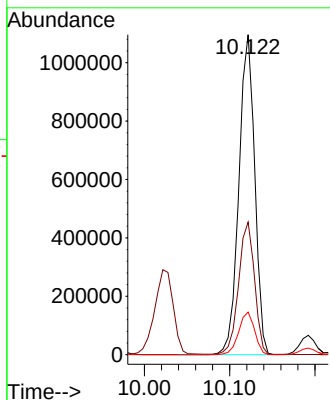
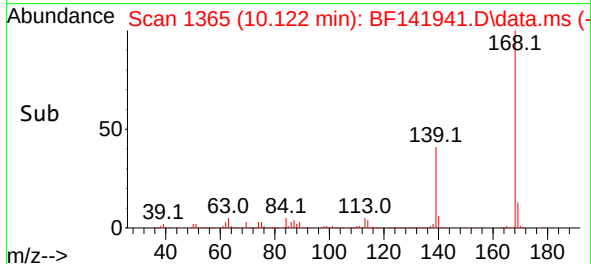
Instrument :
BNA_F
ClientSampleId :
PB167097BS



Tgt Ion:168 Resp: 1417170
Ion Ratio Lower Upper
168 100
139 41.5 33.9 50.9
169 13.3 11.0 16.4

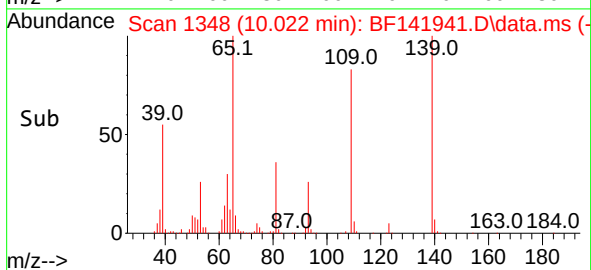
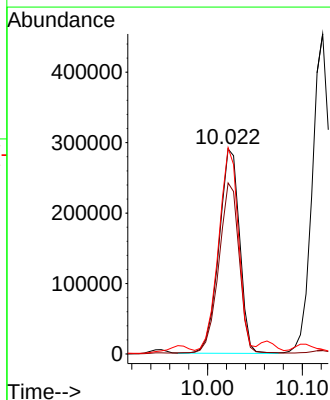
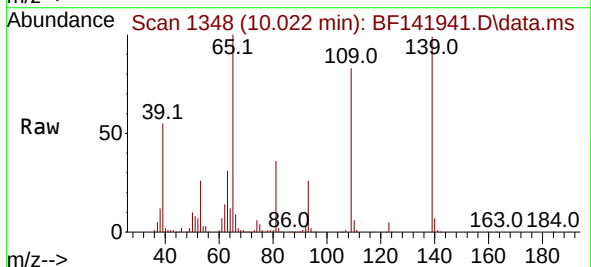
Manual Integrations
APPROVED

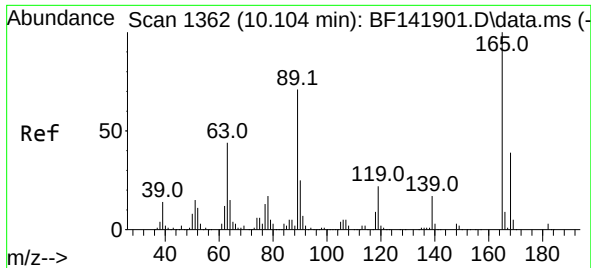
Reviewed By :Anahy Claudio 03/14/2025
Supervised By :Jagrut Upadhyay 03/14/2025



#56
4-Nitrophenol
Concen: 103.387 ng
RT: 10.022 min Scan# 1348
Delta R.T. 0.006 min
Lab File: BF141941.D
Acq: 13 Mar 2025 13:17

Tgt Ion:139 Resp: 439494
Ion Ratio Lower Upper
139 100
109 83.4 61.6 101.6
65 100.7 79.4 119.4





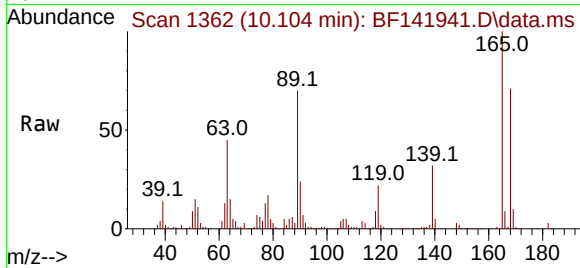
#57
2,4-Dinitrotoluene
Concen: 49.745 ng
RT: 10.104 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF141941.D
Acq: 13 Mar 2025 13:17

Instrument :

BNA_F

ClientSampleId :

PB167097BS

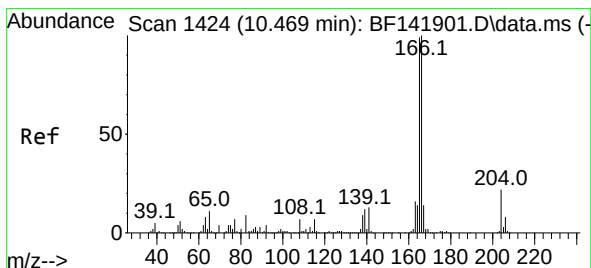
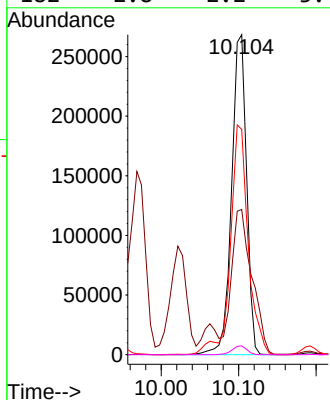
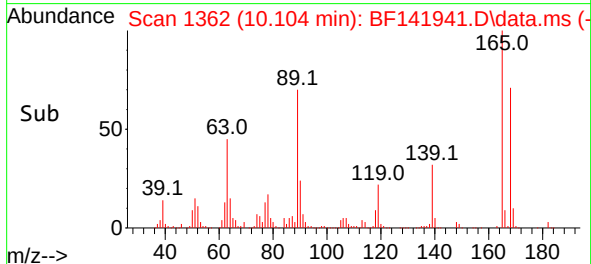


Tgt Ion:165 Resp: 361052
Ion Ratio Lower Upper
165 100
63 45.3 35.4 53.2
89 70.4 56.6 84.8
182 2.8 2.2 3.4

Manual Integrations

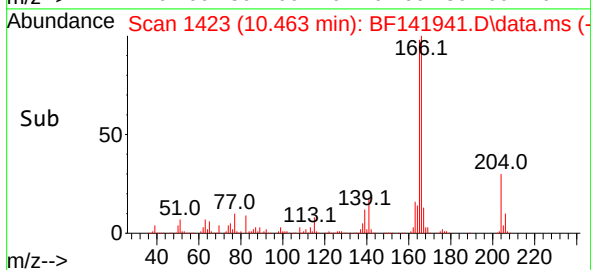
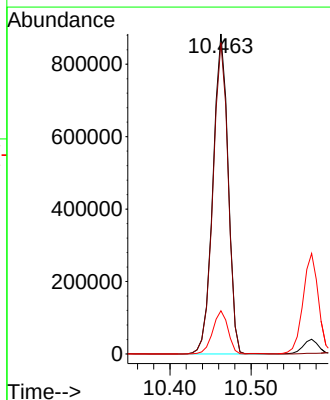
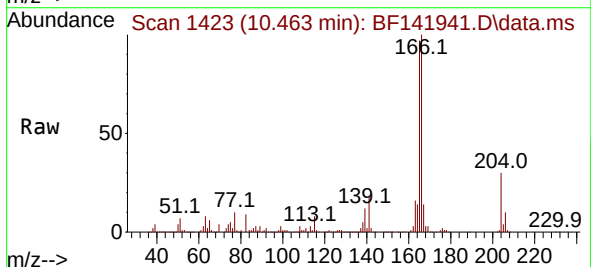
APPROVED

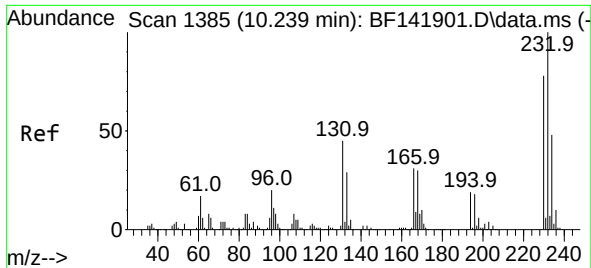
Reviewed By :Anahy Claudio 03/14/2025
Supervised By :Jagrut Upadhyay 03/14/2025



#58
Fluorene
Concen: 46.273 ng
RT: 10.463 min Scan# 1423
Delta R.T. -0.006 min
Lab File: BF141941.D
Acq: 13 Mar 2025 13:17

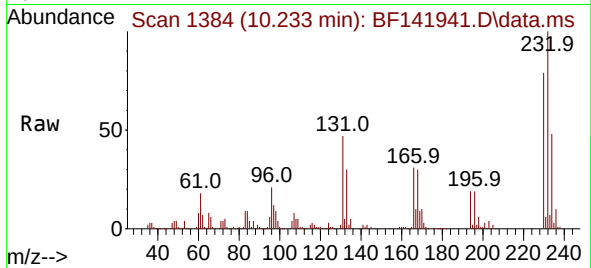
Tgt Ion:166 Resp: 1147740
Ion Ratio Lower Upper
166 100
165 97.3 79.0 118.4
167 13.5 11.0 16.4





#59
2,3,4,6-Tetrachlorophenol
Concen: 46.303 ng
RT: 10.233 min Scan# 1384
Delta R.T. -0.006 min
Lab File: BF141941.D
Acq: 13 Mar 2025 13:17

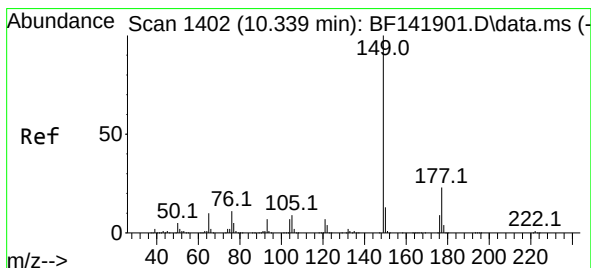
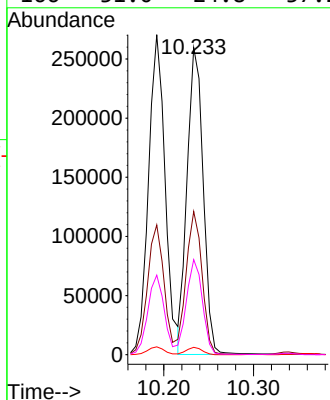
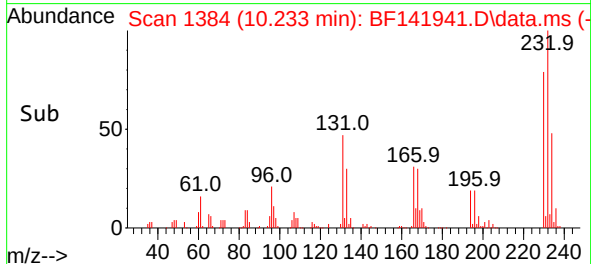
Instrument :
BNA_F
ClientSampleId :
PB167097BS



Tgt Ion:232 Resp: 32362
Ion Ratio Lower Upper
232 100
131 46.9 37.3 55.9
130 2.4 1.9 2.9
166 31.0 24.8 37.2

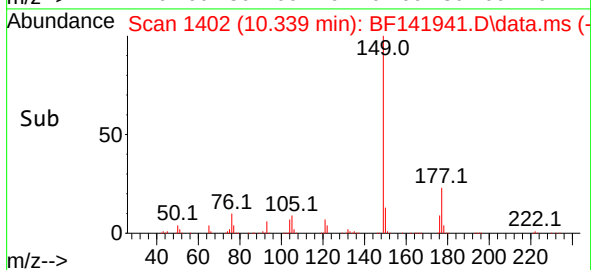
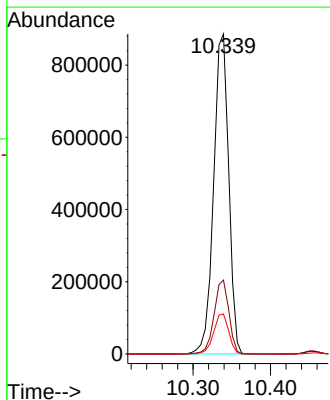
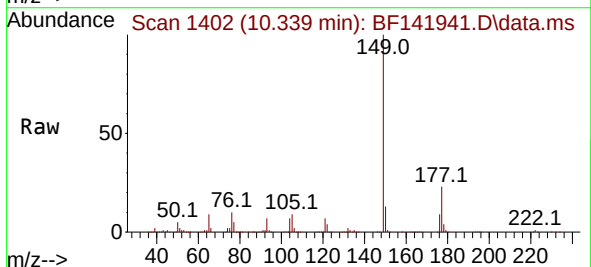
Manual Integrations
APPROVED

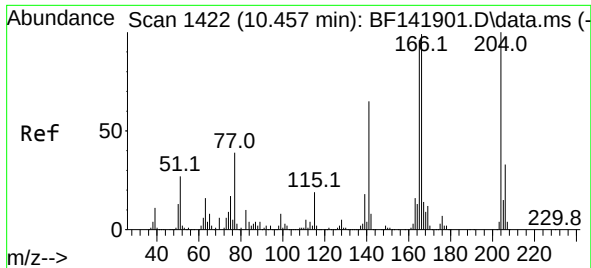
Reviewed By :Anahy Claudio 03/14/2025
Supervised By :Jagrut Upadhyay 03/14/2025



#60
Diethylphthalate
Concen: 44.881 ng
RT: 10.339 min Scan# 1402
Delta R.T. 0.000 min
Lab File: BF141941.D
Acq: 13 Mar 2025 13:17

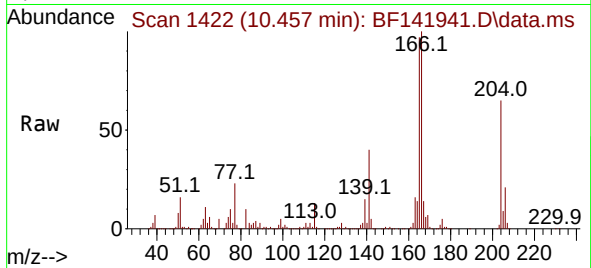
Tgt Ion:149 Resp: 1194423
Ion Ratio Lower Upper
149 100
177 23.1 18.0 27.0
150 12.5 10.2 15.4





#61
4-Chlorophenyl-phenylether
Concen: 46.224 ng
RT: 10.457 min Scan# 1422
Delta R.T. 0.000 min
Lab File: BF141941.D
Acq: 13 Mar 2025 13:17

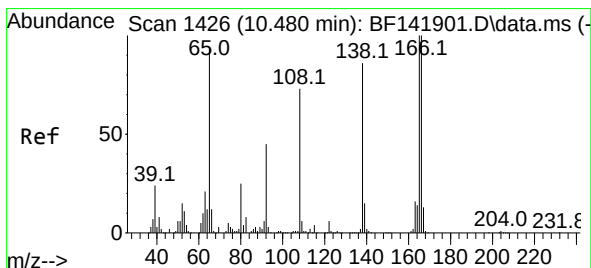
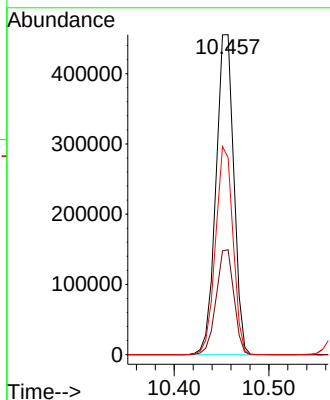
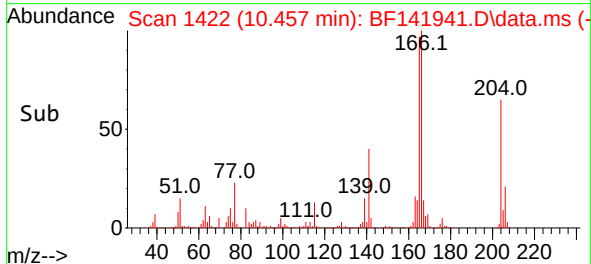
Instrument :
BNA_F
ClientSampleId :
PB167097BS



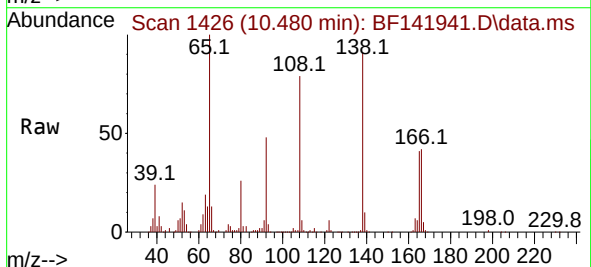
Tgt Ion:204 Resp: 597749
Ion Ratio Lower Upper
204 100
206 32.8 26.8 40.2
141 61.6 52.4 78.6

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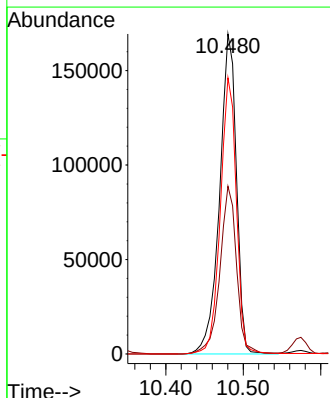
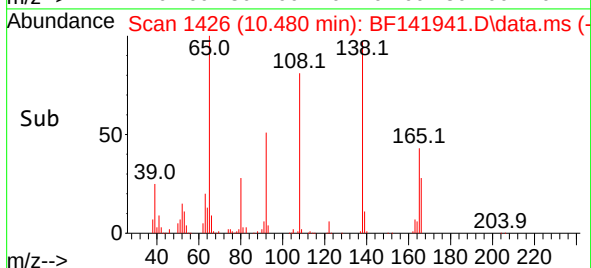
Reviewed By :Anahy Claudio 03/14/2025
Supervised By :Jagrut Upadhyay 03/14/2025

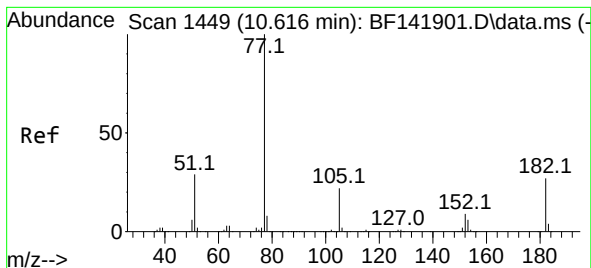


#62
4-Nitroaniline
Concen: 46.734 ng
RT: 10.480 min Scan# 1426
Delta R.T. 0.000 min
Lab File: BF141941.D
Acq: 13 Mar 2025 13:17



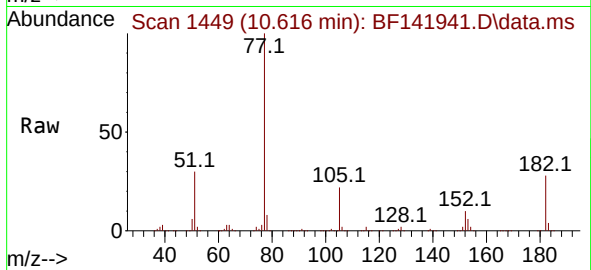
Tgt Ion:138 Resp: 256469
Ion Ratio Lower Upper
138 100
92 52.4 32.6 72.6
108 86.3 65.0 105.0





#63
Azobenzene
Concen: 43.803 ng
RT: 10.616 min Scan# 1449
Delta R.T. 0.000 min
Lab File: BF141941.D
Acq: 13 Mar 2025 13:17

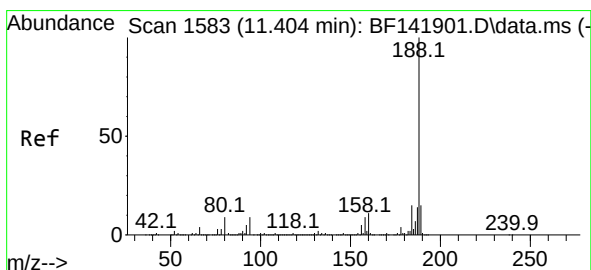
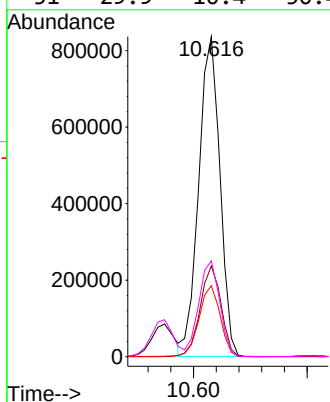
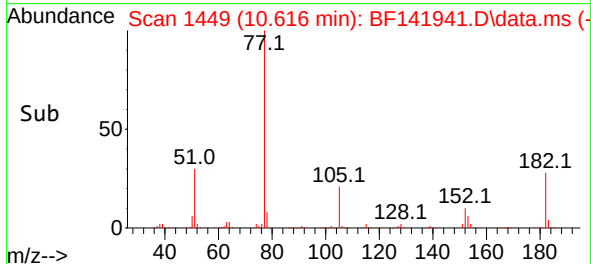
Instrument :
BNA_F
ClientSampleId :
PB167097BS



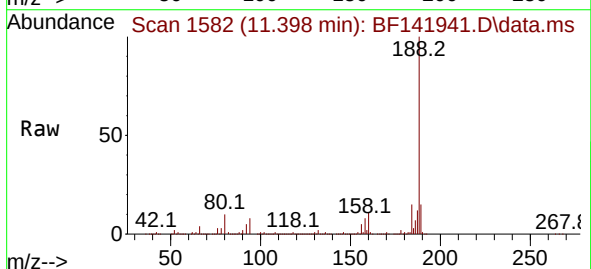
Tgt Ion: 77 Resp: 108380
Ion Ratio Lower Upper
77 100
182 28.3 6.6 46.6
105 22.2 1.3 41.3
51 29.9 10.4 50.4

Manual Integrations
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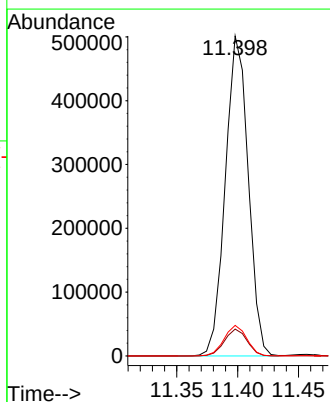
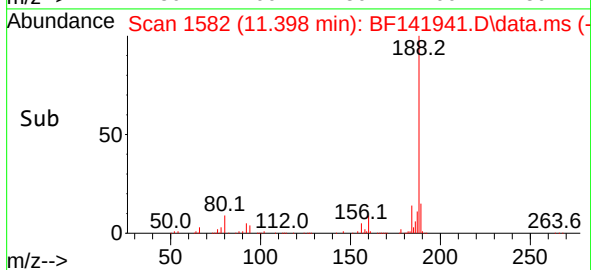
Reviewed By :Anahy Claudio 03/14/2025
Supervised By :Jagrut Upadhyay 03/14/2025

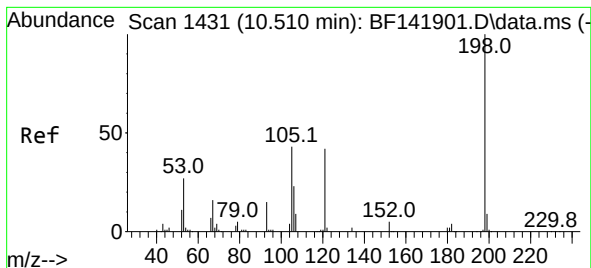


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.398 min Scan# 1582
Delta R.T. -0.006 min
Lab File: BF141941.D
Acq: 13 Mar 2025 13:17



Tgt Ion:188 Resp: 657343
Ion Ratio Lower Upper
188 100
94 8.4 6.8 10.2
80 9.6 7.6 11.4





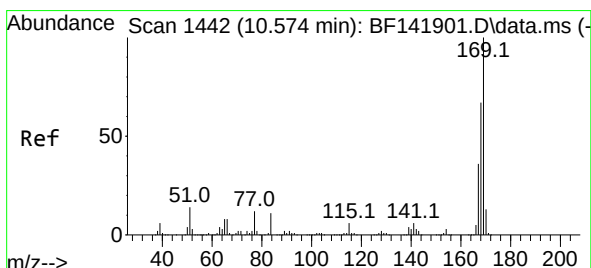
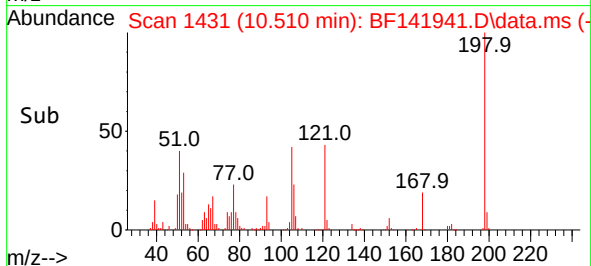
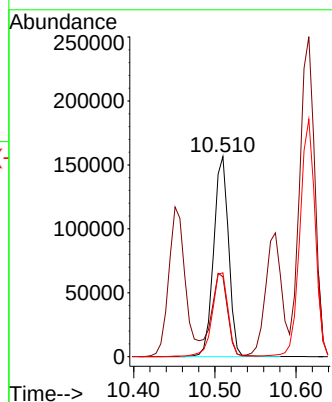
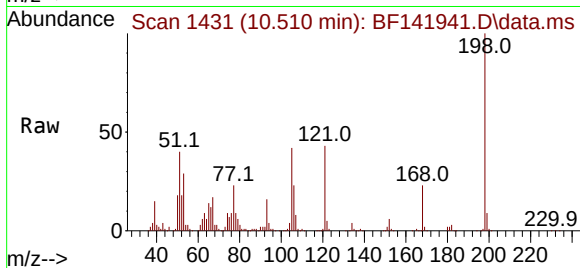
#65
4,6-Dinitro-2-methylphenol
Concen: 50.999 ng
RT: 10.510 min Scan# 1431
Delta R.T. -0.000 min
Lab File: BF141941.D
Acq: 13 Mar 2025 13:17

Instrument :
BNA_F
ClientSampleId :
PB167097BS

Tgt Ion:198 Resp: 19985
Ion Ratio Lower Upper
198 100
51 40.0 22.3 62.3
105 41.8 23.0 63.0

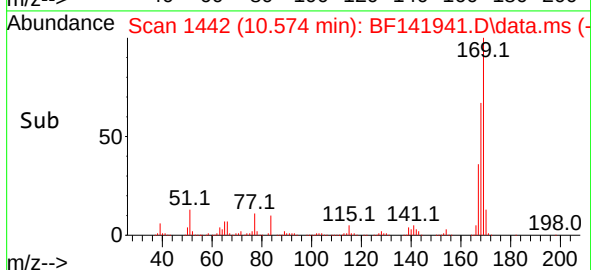
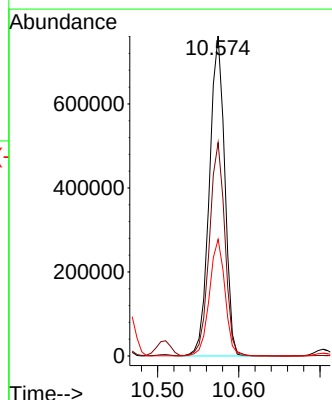
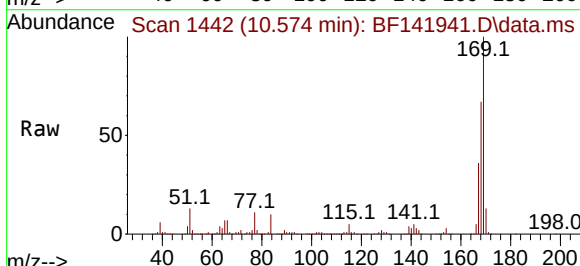
Manual Integrations
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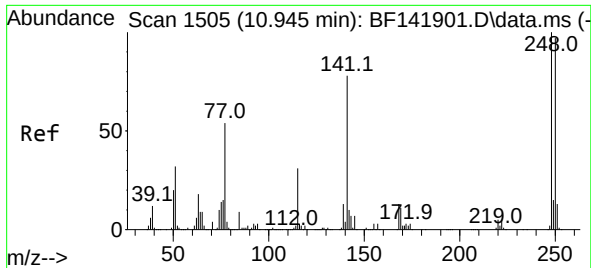
Reviewed By :Anahy Claudio 03/14/2025
Supervised By :Jagrut Upadhyay 03/14/2025



#66
n-Nitrosodiphenylamine
Concen: 46.890 ng
RT: 10.574 min Scan# 1442
Delta R.T. 0.000 min
Lab File: BF141941.D
Acq: 13 Mar 2025 13:17

Tgt Ion:169 Resp: 997450
Ion Ratio Lower Upper
169 100
168 66.7 53.7 80.5
167 36.5 29.2 43.8





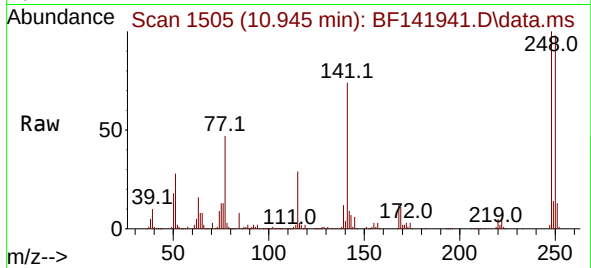
#67
4-Bromophenyl-phenylether
Concen: 46.364 ng
RT: 10.945 min Scan# 1505
Delta R.T. 0.000 min
Lab File: BF141941.D
Acq: 13 Mar 2025 13:17

Instrument :

BNA_F

ClientSampleId :

PB167097BS

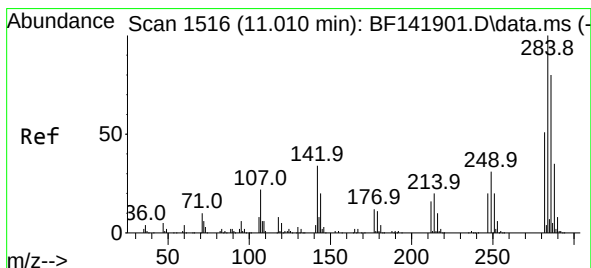
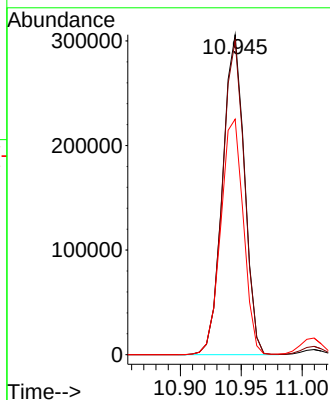
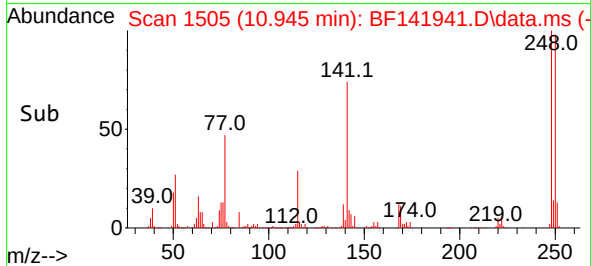


Tgt Ion:248 Resp: 382750
Ion Ratio Lower Upper
248 100
250 98.2 77.8 116.8
141 73.6 62.6 93.8

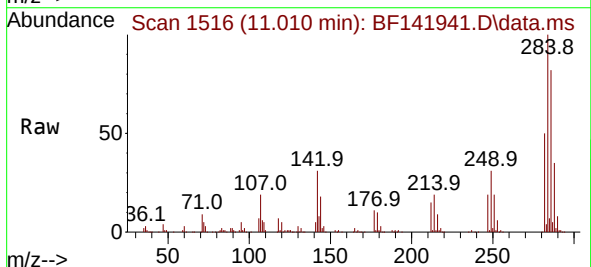
Manual Integrations

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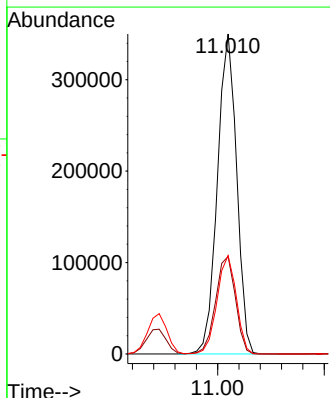
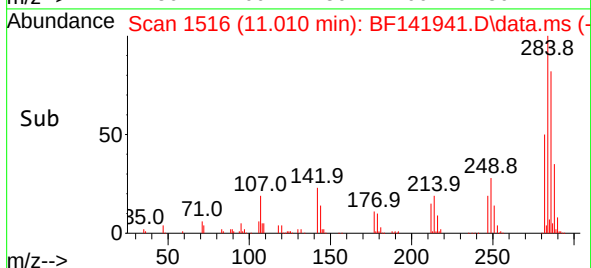
Reviewed By :Anahy Claudio 03/14/2025
Supervised By :Jagrut Upadhyay 03/14/2025

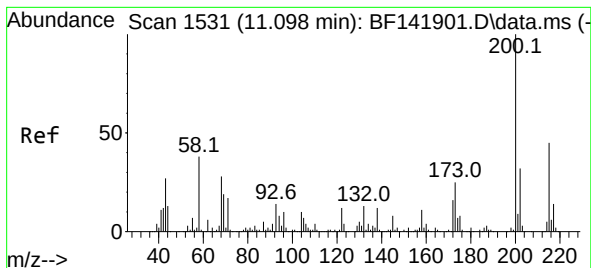


#68
Hexachlorobenzene
Concen: 48.335 ng
RT: 11.010 min Scan# 1516
Delta R.T. 0.000 min
Lab File: BF141941.D
Acq: 13 Mar 2025 13:17



Tgt Ion:284 Resp: 437639
Ion Ratio Lower Upper
284 100
142 30.5 27.0 40.6
249 30.7 25.2 37.8





#69

Atrazine

Concen: 61.650 ng

RT: 11.098 min Scan# 1531

Delta R.T. -0.000 min

Lab File: BF141941.D

Acq: 13 Mar 2025 13:17

Instrument :

BNA_F

ClientSampleId :

PB167097BS

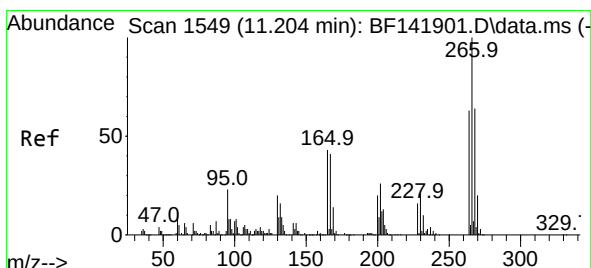
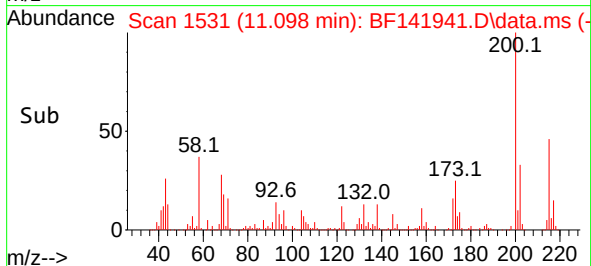
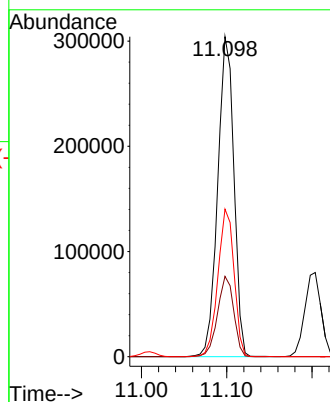
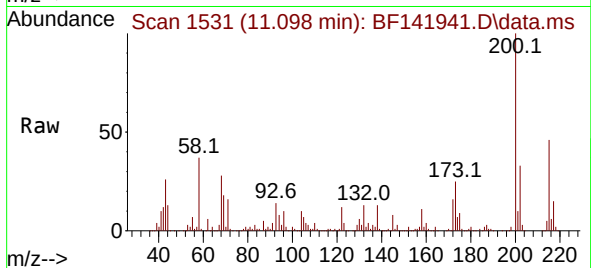
Tgt Ion:200 Resp: 402029
 Ion Ratio Lower Upper
 200 100
 173 25.1 4.7 44.7
 215 46.1 25.4 65.4

Manual Integrations

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Reviewed By :Anahy Claudio 03/14/2025

Supervised By :Jagrut Upadhyay 03/14/2025



#70

Pentachlorophenol

Concen: 99.911 ng

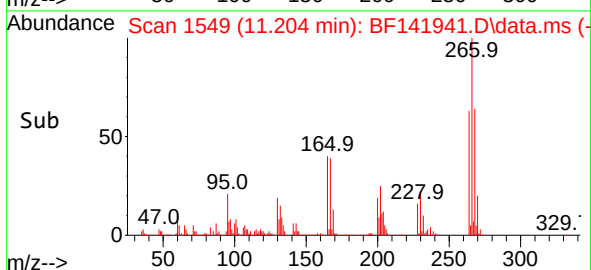
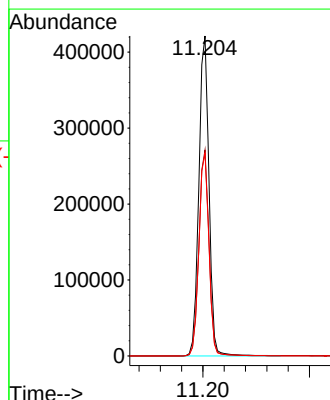
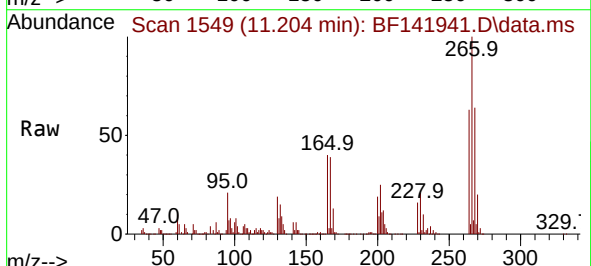
RT: 11.204 min Scan# 1549

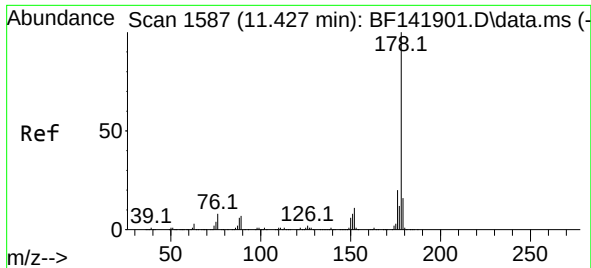
Delta R.T. 0.000 min

Lab File: BF141941.D

Acq: 13 Mar 2025 13:17

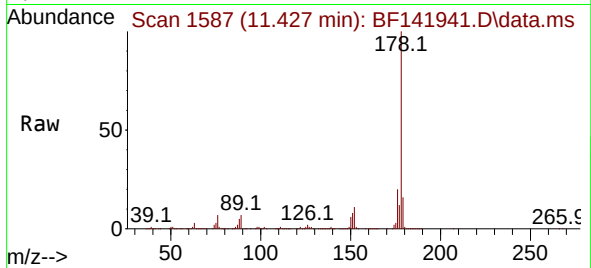
Tgt Ion:266 Resp: 557370
 Ion Ratio Lower Upper
 266 100
 268 64.3 51.0 76.6
 264 63.4 50.2 75.2





#71
Phenanthrene
Concen: 47.009 ng
RT: 11.427 min Scan# 1587
Delta R.T. 0.000 min
Lab File: BF141941.D
Acq: 13 Mar 2025 13:17

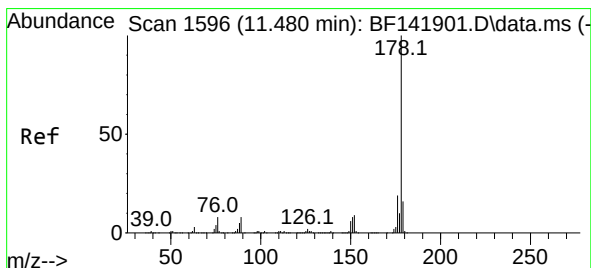
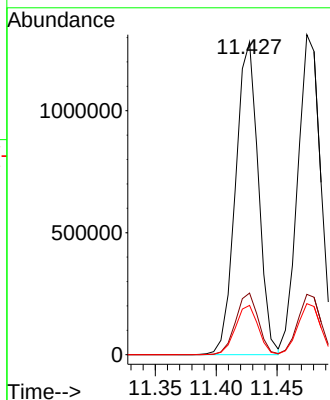
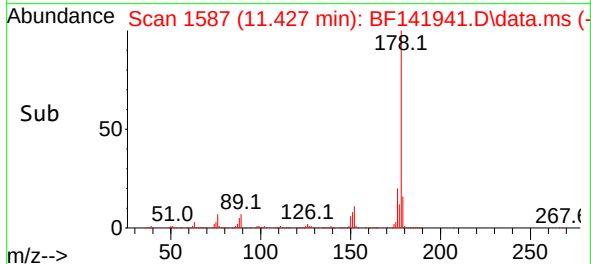
Instrument :
BNA_F
ClientSampleId :
PB167097BS



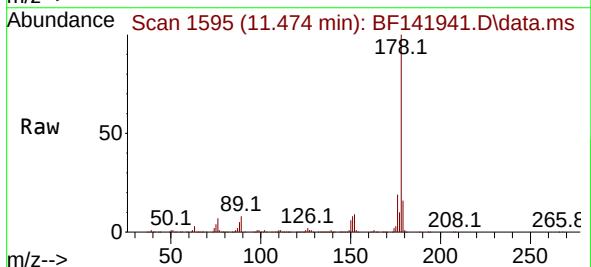
Tgt Ion:178 Resp: 1669056
Ion Ratio Lower Upper
178 100
176 19.7 15.8 23.8
179 15.8 12.6 19.0

Manual Integrations
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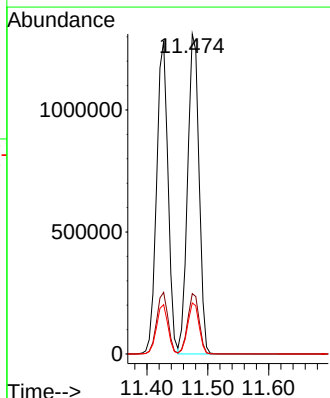
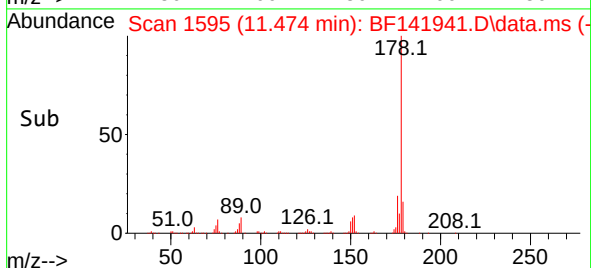
Reviewed By :Anahy Claudio 03/14/2025
Supervised By :Jagrut Upadhyay 03/14/2025

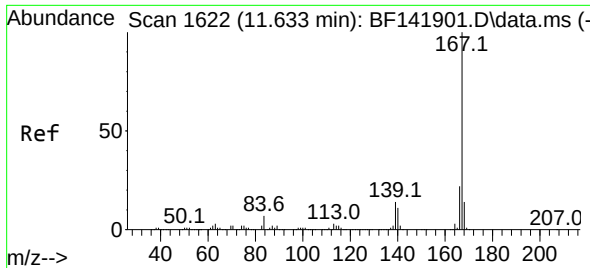


#72
Anthracene
Concen: 48.088 ng
RT: 11.474 min Scan# 1595
Delta R.T. -0.006 min
Lab File: BF141941.D
Acq: 13 Mar 2025 13:17



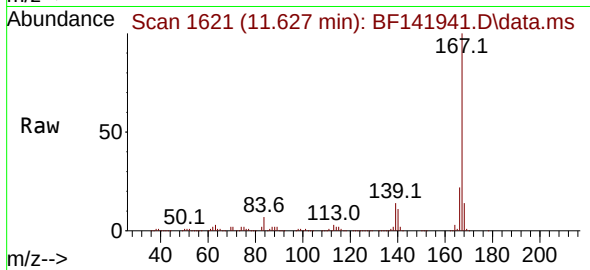
Tgt Ion:178 Resp: 1712956
Ion Ratio Lower Upper
178 100
176 18.8 15.1 22.7
179 16.0 12.6 19.0





#73
 Carbazole
 Concen: 46.870 ng
 RT: 11.627 min Scan# 1621
 Delta R.T. -0.006 min
 Lab File: BF141941.D
 Acq: 13 Mar 2025 13:17

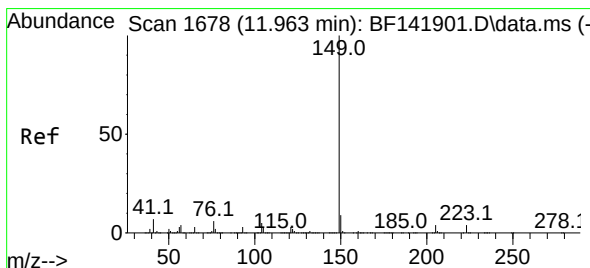
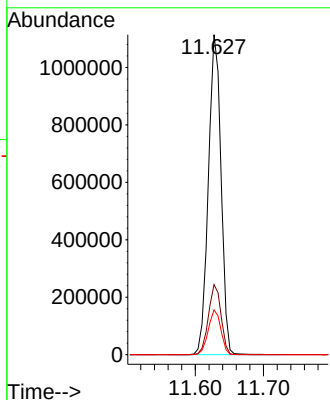
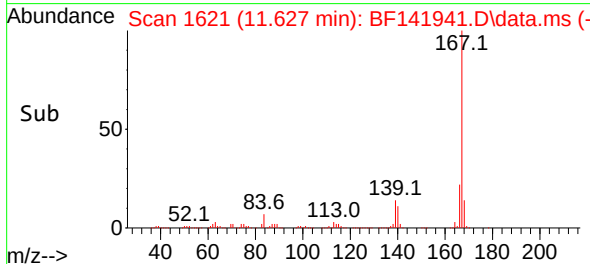
Instrument :
 BNA_F
 ClientSampleId :
 PB167097BS



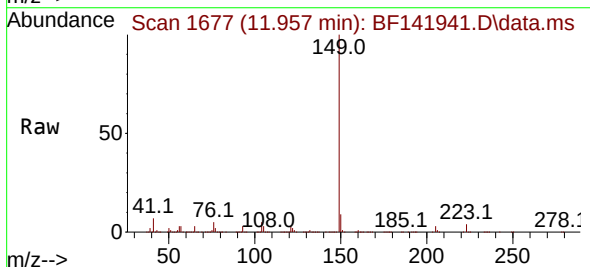
Tgt Ion:167 Resp: 1439850
 Ion Ratio Lower Upper
 167 100
 166 21.9 17.4 26.2
 139 14.0 11.0 16.6

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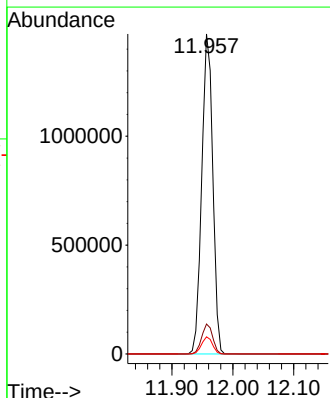
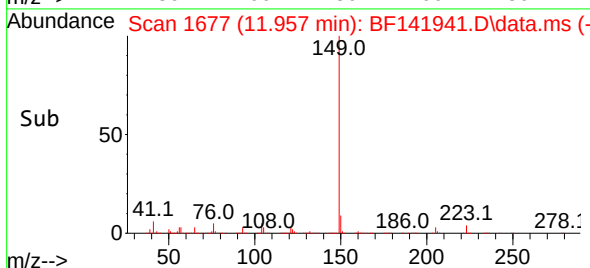
Reviewed By :Anahy Claudio 03/14/2025
 Supervised By :Jagrut Upadhyay 03/14/2025

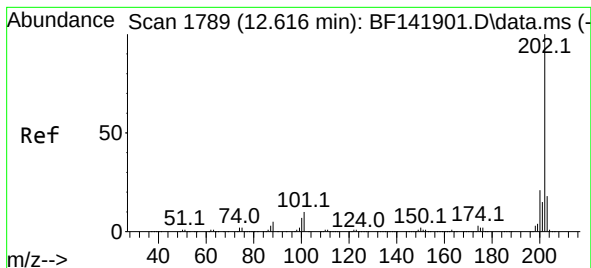


#74
 Di-n-butylphthalate
 Concen: 45.199 ng
 RT: 11.957 min Scan# 1677
 Delta R.T. -0.006 min
 Lab File: BF141941.D
 Acq: 13 Mar 2025 13:17



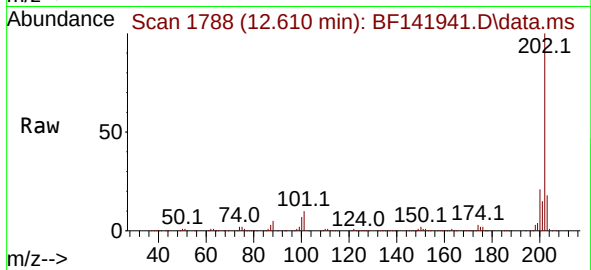
Tgt Ion:149 Resp: 1842392
 Ion Ratio Lower Upper
 149 100
 150 9.4 7.6 11.4
 104 5.4 4.4 6.6





#75
Fluoranthene
Concen: 45.891 ng
RT: 12.610 min Scan# 1788
Delta R.T. -0.006 min
Lab File: BF141941.D
Acq: 13 Mar 2025 13:17

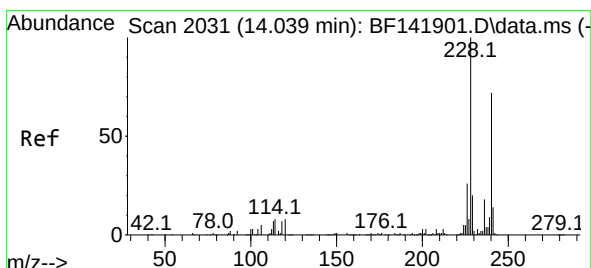
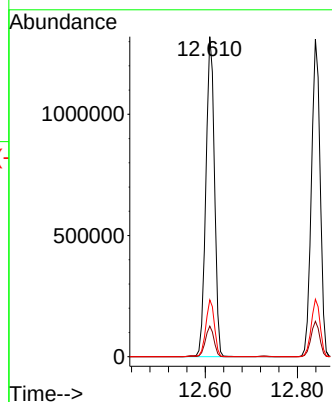
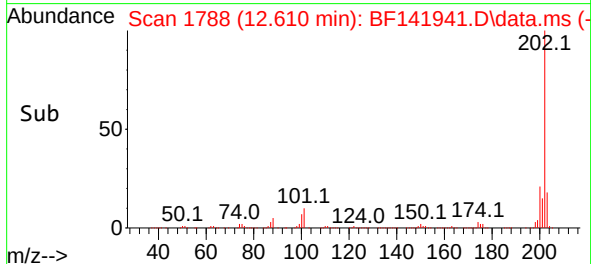
Instrument :
BNA_F
ClientSampleId :
PB167097BS



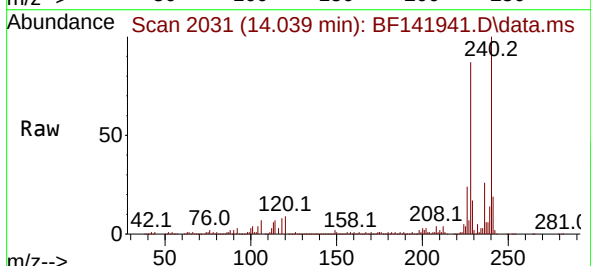
Tgt Ion:202 Resp: 172840
Ion Ratio Lower Upper
202 100
101 9.6 0.0 29.7
203 17.8 0.0 37.8

Manual Integrations
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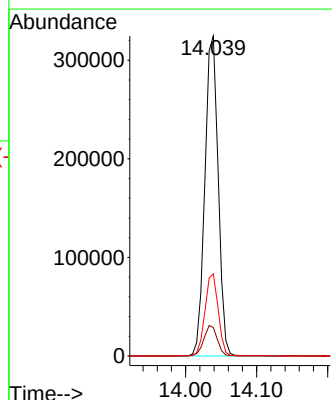
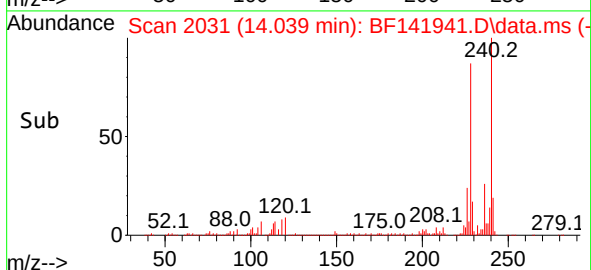
Reviewed By :Anahy Claudio 03/14/2025
Supervised By :Jagrut Upadhyay 03/14/2025

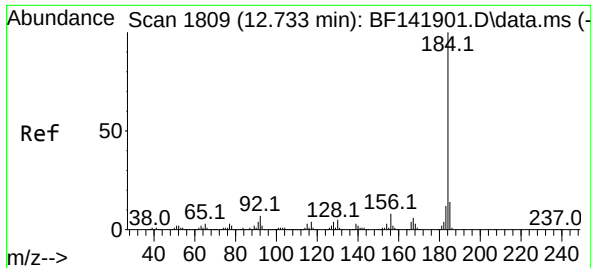


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.039 min Scan# 2031
Delta R.T. 0.000 min
Lab File: BF141941.D
Acq: 13 Mar 2025 13:17



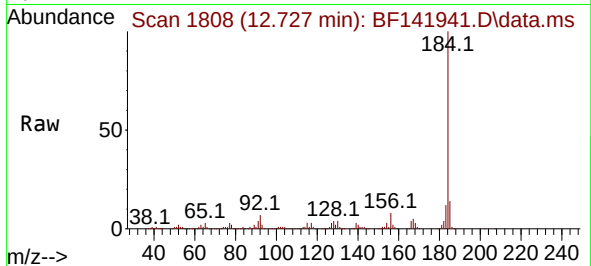
Tgt Ion:240 Resp: 424407
Ion Ratio Lower Upper
240 100
120 8.9 8.4 12.6
236 25.7 20.5 30.7





#77
Benzidine
Concen: 84.472 ng
RT: 12.727 min Scan# 1808
Delta R.T. -0.006 min
Lab File: BF141941.D
Acq: 13 Mar 2025 13:17

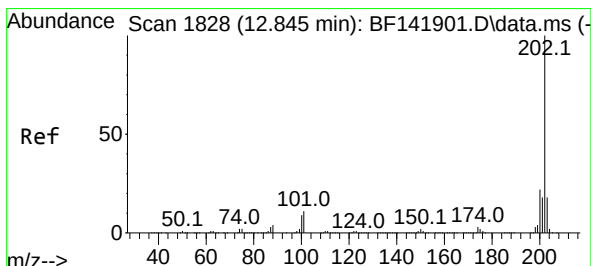
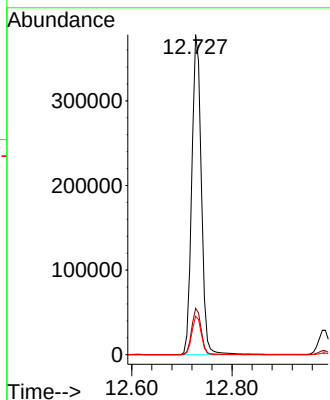
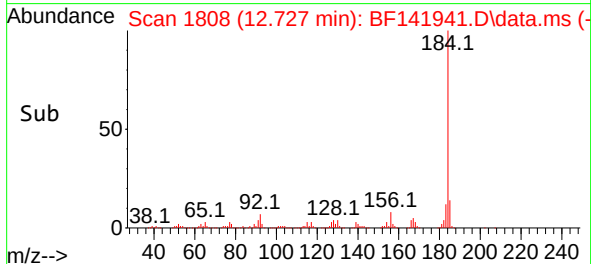
Instrument :
BNA_F
ClientSampleId :
PB167097BS



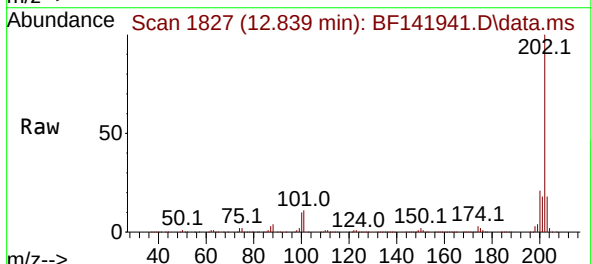
Tgt Ion:184 Resp: 500180
Ion Ratio Lower Upper
184 100
185 14.5 11.5 17.3
183 12.0 9.7 14.5

Manual Integrations
APPROVED

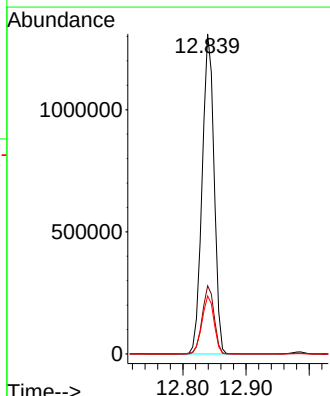
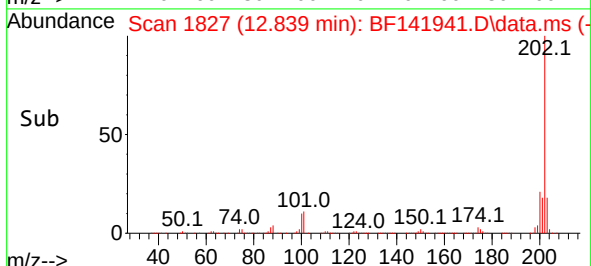
Reviewed By :Anahy Claudio 03/14/2025
Supervised By :Jagrut Upadhyay 03/14/2025

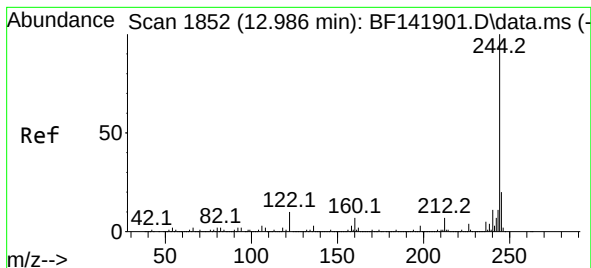


#78
Pyrene
Concen: 46.834 ng
RT: 12.839 min Scan# 1827
Delta R.T. -0.006 min
Lab File: BF141941.D
Acq: 13 Mar 2025 13:17



Tgt Ion:202 Resp: 1719348
Ion Ratio Lower Upper
202 100
200 21.3 17.3 25.9
203 18.1 14.4 21.6





#79

Terphenyl-d14

Concen: 105.142 ng

RT: 12.986 min Scan# 1852

Delta R.T. 0.000 min

Lab File: BF141941.D

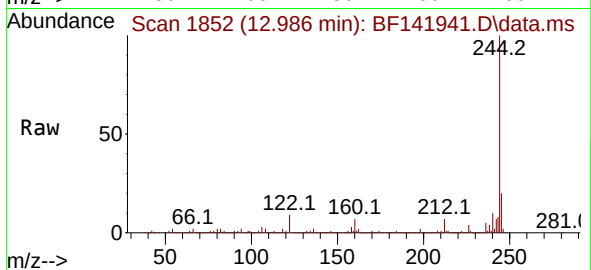
Acq: 13 Mar 2025 13:17

Instrument :

BNA_F

ClientSampleId :

PB167097BS



Tgt Ion:244 Resp: 3018229

Ion Ratio Lower Upper

244 100

212 7.0 6.0 9.0

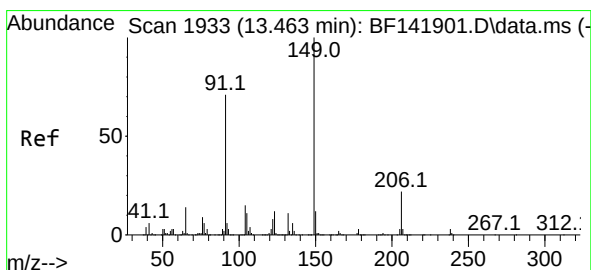
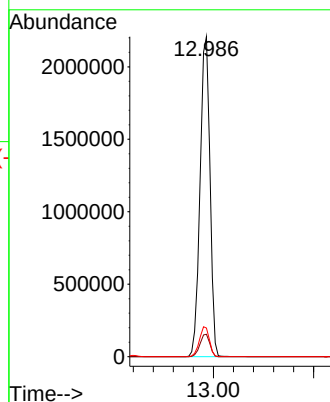
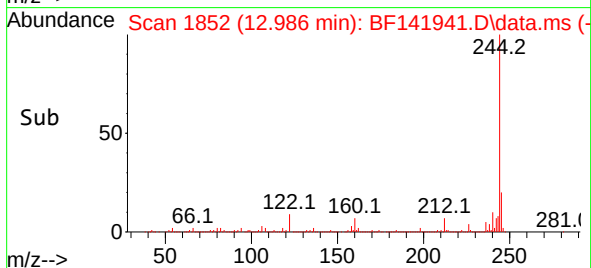
122 8.9 7.7 11.5

Manual Integrations

APPROVED

Reviewed By :Anahy Claudio 03/14/2025

Supervised By :Jagrut Upadhyay 03/14/2025



#80

Butylbenzylphthalate

Concen: 45.971 ng

RT: 13.457 min Scan# 1932

Delta R.T. -0.006 min

Lab File: BF141941.D

Acq: 13 Mar 2025 13:17

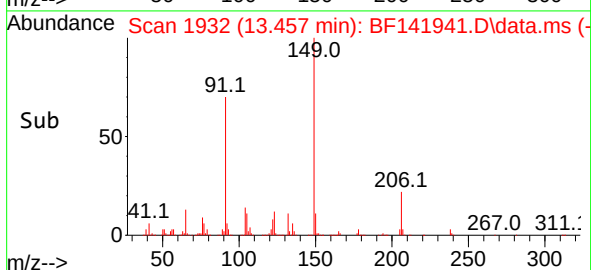
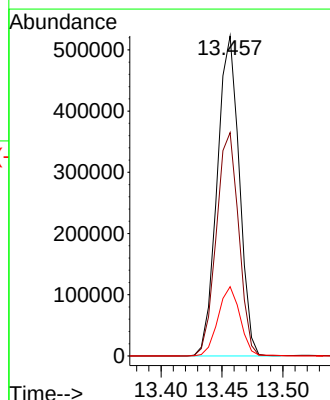
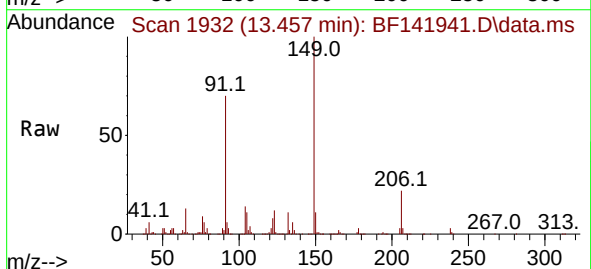
Tgt Ion:149 Resp: 660564

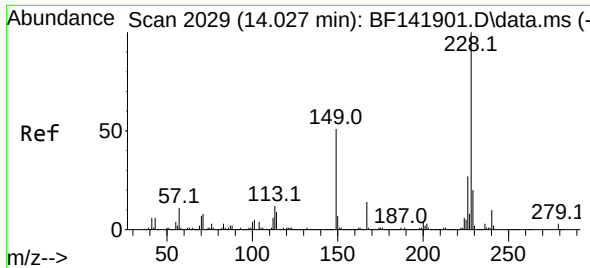
Ion Ratio Lower Upper

149 100

91 69.8 56.5 84.7

206 21.7 17.3 25.9





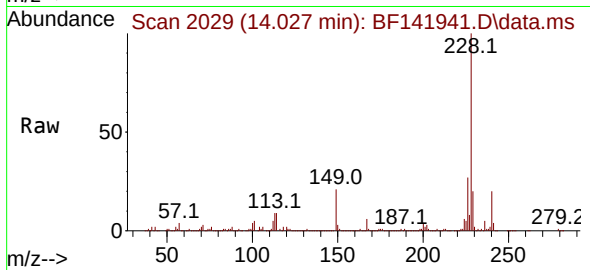
#81
Benzo(a)anthracene
Concen: 47.211 ng
RT: 14.027 min Scan# 2029
Delta R.T. 0.000 min
Lab File: BF141941.D
Acq: 13 Mar 2025 13:17

Instrument :

BNA_F

ClientSampleId :

PB167097BS

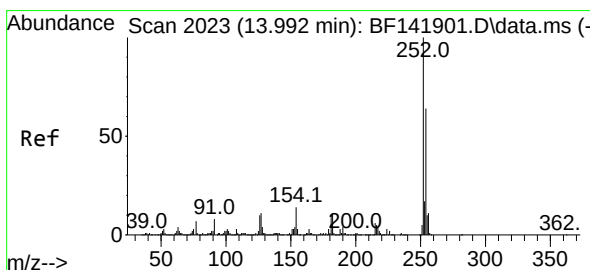
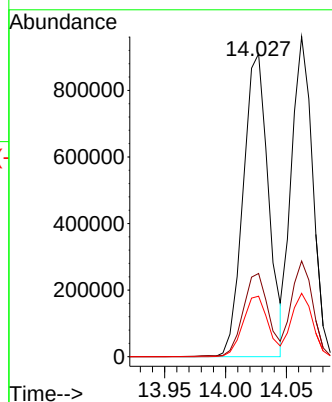
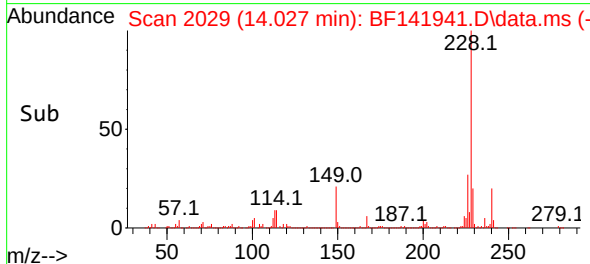


Tgt Ion:228 Resp: 1314815
Ion Ratio Lower Upper
228 100
226 27.5 21.8 32.8
229 20.0 16.0 24.0

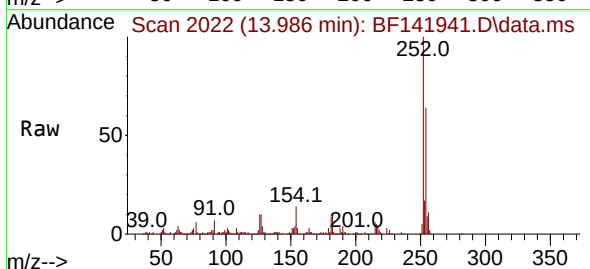
Manual Integrations

APPROVED

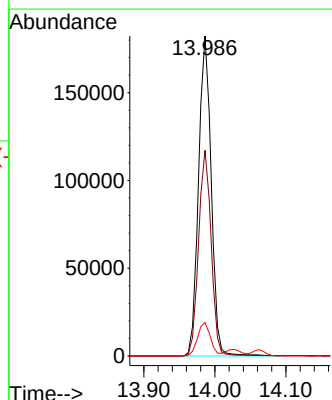
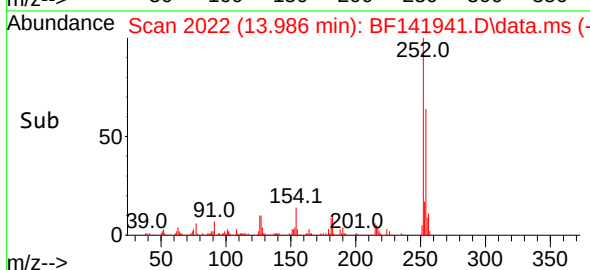
Reviewed By :Anahy Claudio 03/14/2025
Supervised By :Jagrut Upadhyay 03/14/2025

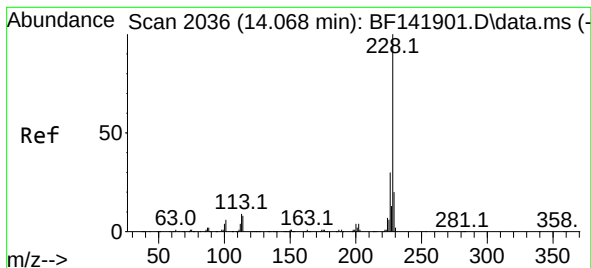


#82
3,3'-Dichlorobenzidine
Concen: 28.215 ng
RT: 13.986 min Scan# 2022
Delta R.T. -0.006 min
Lab File: BF141941.D
Acq: 13 Mar 2025 13:17



Tgt Ion:252 Resp: 227079
Ion Ratio Lower Upper
252 100
254 64.2 51.0 76.6
126 10.4 8.4 12.6





#83

Chrysene

Concen: 46.252 ng

RT: 14.062 min Scan# 2036

Delta R.T. -0.006 min

Lab File: BF141941.D

Acq: 13 Mar 2025 13:17

Instrument :

BNA_F

ClientSampleId :

PB167097BS

Tgt Ion:228 Resp: 1167619

Ion Ratio Lower Upper

228 100

226 29.9 24.1 36.1

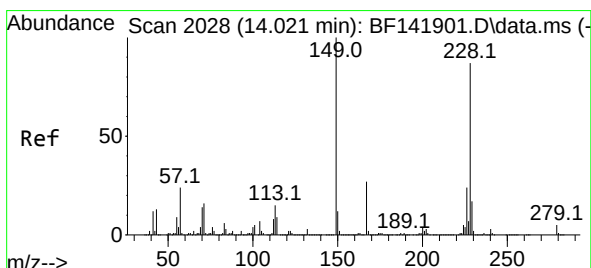
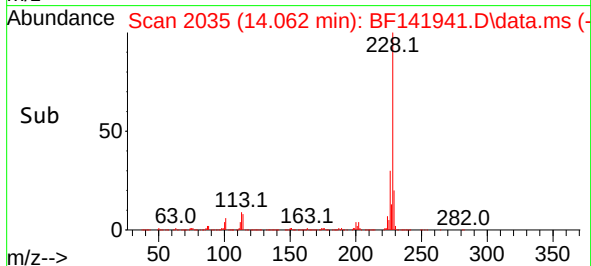
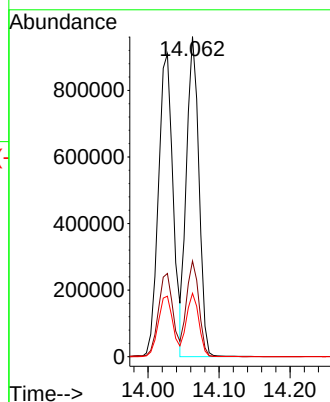
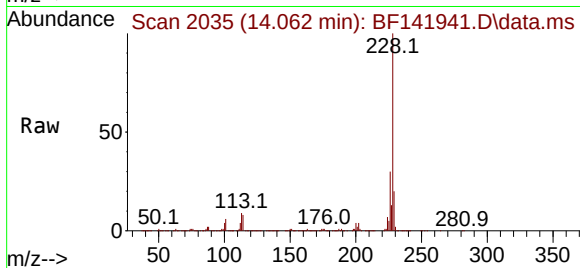
229 19.8 15.7 23.5

Manual Integrations

APPROVED

Reviewed By :Anahy Claudio 03/14/2025

Supervised By :Jagrut Upadhyay 03/14/2025



#84

Bis(2-ethylhexyl)phthalate

Concen: 44.545 ng

RT: 14.015 min Scan# 2027

Delta R.T. -0.006 min

Lab File: BF141941.D

Acq: 13 Mar 2025 13:17

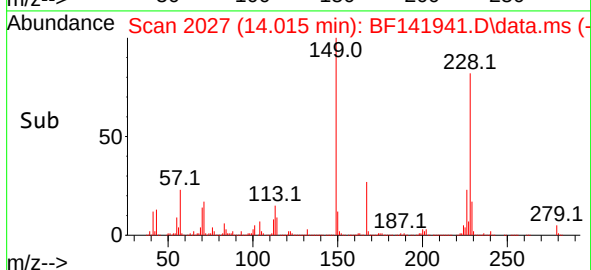
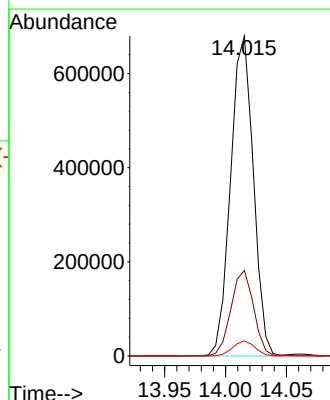
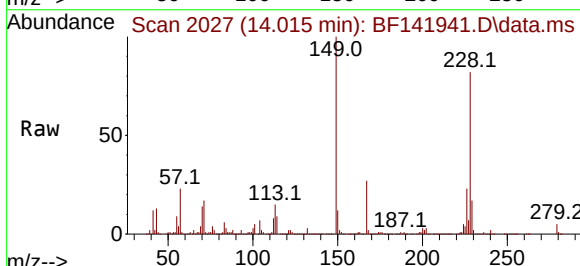
Tgt Ion:149 Resp: 882521

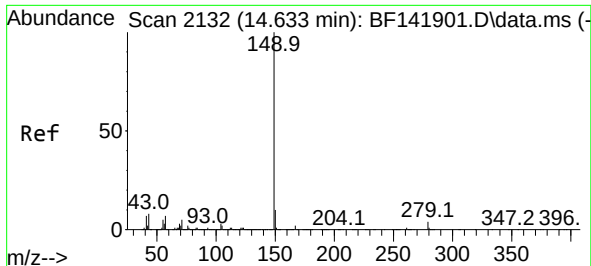
Ion Ratio Lower Upper

149 100

167 26.8 21.4 32.0

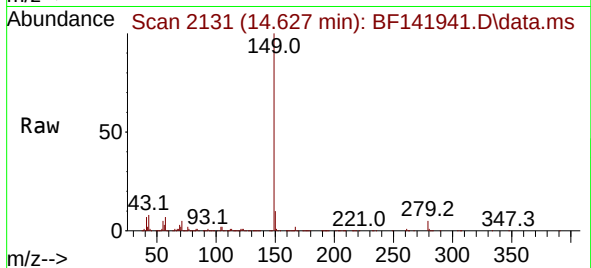
279 4.7 3.8 5.6





#85
Di-n-octyl phthalate
Concen: 45.138 ng
RT: 14.627 min Scan# 2132
Delta R.T. -0.006 min
Lab File: BF141941.D
Acq: 13 Mar 2025 13:17

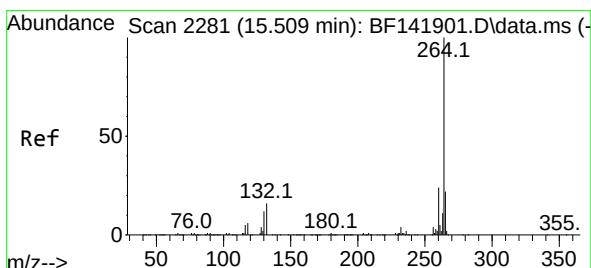
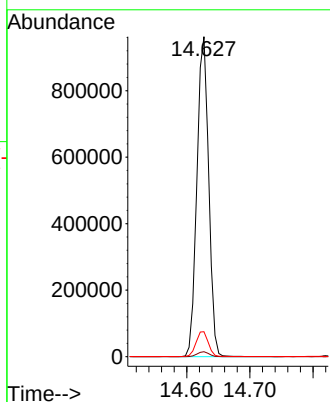
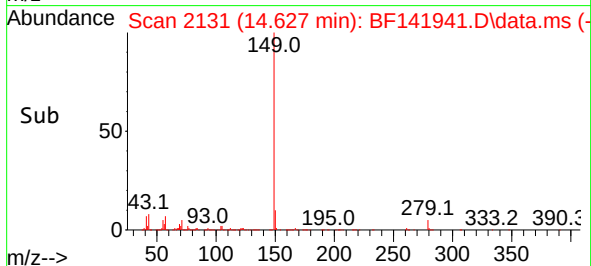
Instrument :
BNA_F
ClientSampleId :
PB167097BS



Tgt Ion:149 Resp: 124428
Ion Ratio Lower Upper
149 100
167 1.6 1.3 1.9
43 8.1 6.9 10.3

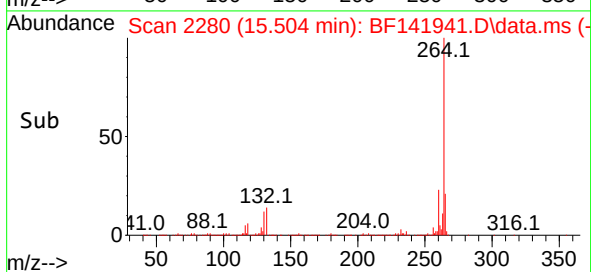
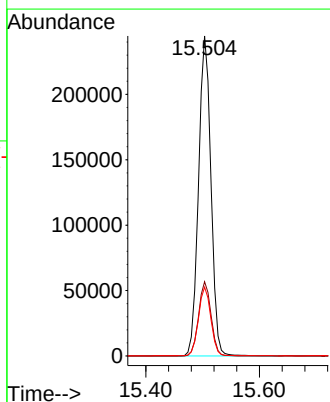
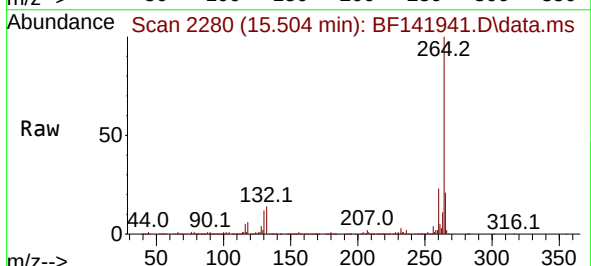
Manual Integrations
APPROVED

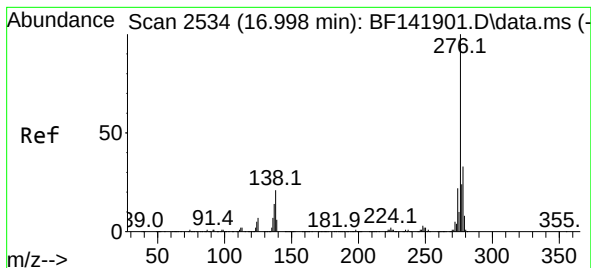
Reviewed By :Anahy Claudio 03/14/2025
Supervised By :Jagrut Upadhyay 03/14/2025



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.504 min Scan# 2280
Delta R.T. -0.006 min
Lab File: BF141941.D
Acq: 13 Mar 2025 13:17

Tgt Ion:264 Resp: 370791
Ion Ratio Lower Upper
264 100
260 23.2 19.1 28.7
265 21.5 17.5 26.3





#87

Indeno(1,2,3-cd)pyrene

Concen: 51.214 ng

RT: 16.992 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF141941.D

Acq: 13 Mar 2025 13:17

Instrument :

BNA_F

ClientSampleId :

PB167097BS

Tgt Ion:276 Resp: 122841

Ion Ratio Lower Upper

276 100

138 21.2 18.4 27.6

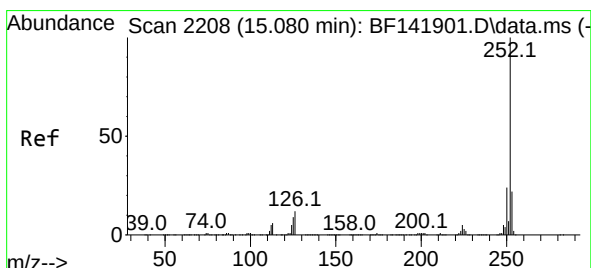
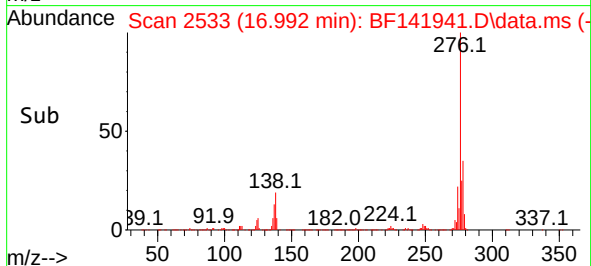
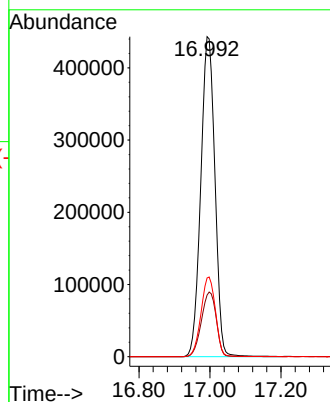
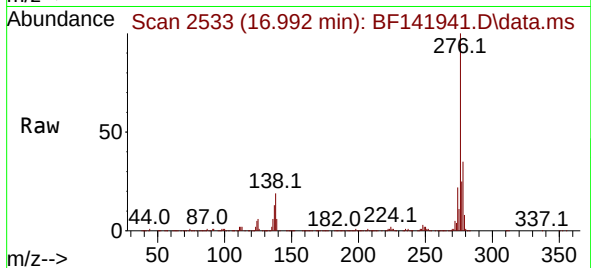
277 25.5 20.3 30.5

Manual Integrations

APPROVED

Reviewed By :Anahy Claudio 03/14/2025

Supervised By :Jagrut Upadhyay 03/14/2025



#88

Benzo(b)fluoranthene

Concen: 46.317 ng

RT: 15.074 min Scan# 2207

Delta R.T. -0.006 min

Lab File: BF141941.D

Acq: 13 Mar 2025 13:17

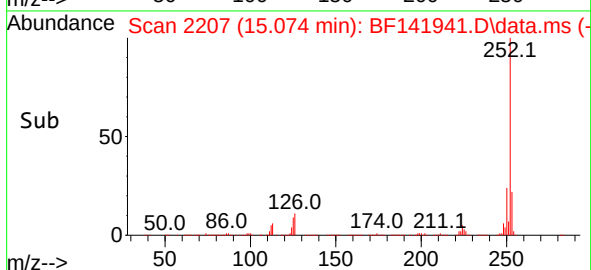
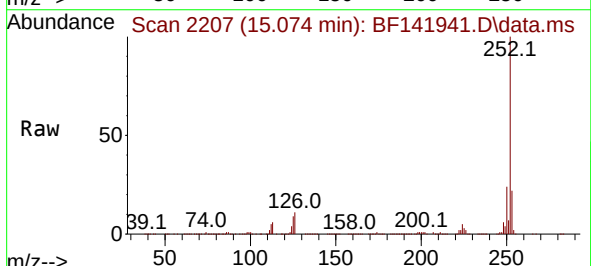
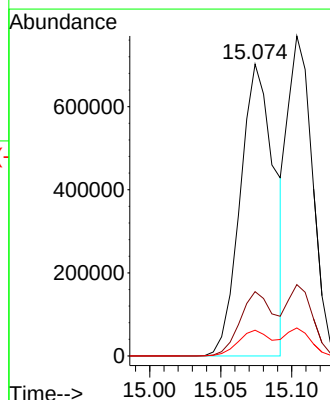
Tgt Ion:252 Resp: 1177030

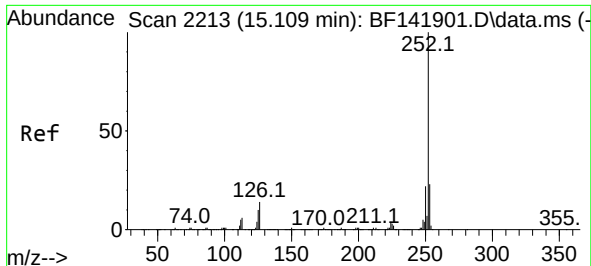
Ion Ratio Lower Upper

252 100

253 22.0 17.5 26.3

125 8.8 7.0 10.4





#89

Benzo(k)fluoranthene

Concen: 43.336 ng

RT: 15.104 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF141941.D

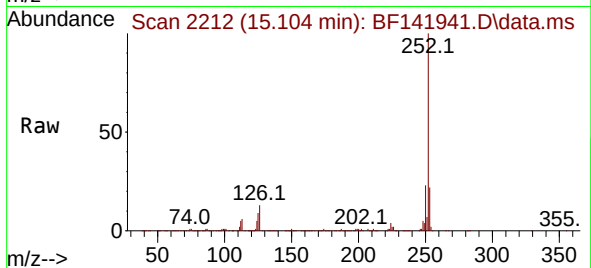
Acq: 13 Mar 2025 13:17

Instrument :

BNA_F

ClientSampleId :

PB167097BS



Tgt Ion:252 Resp: 94244

Ion Ratio Lower Upper

252 100

253 22.3 17.7 26.5

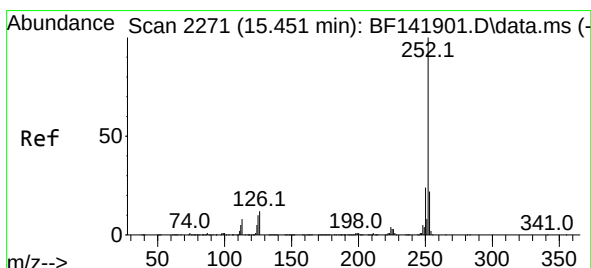
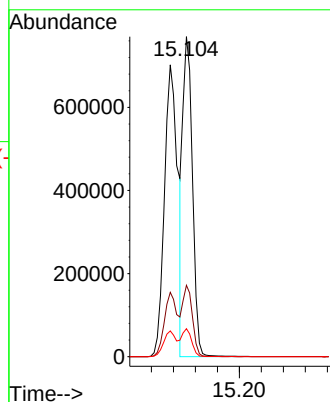
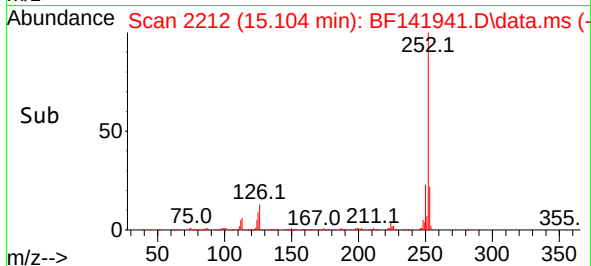
125 8.8 7.2 10.8

Manual Integrations

APPROVED

Reviewed By :Anahy Claudio 03/14/2025

Supervised By :Jagrut Upadhyay 03/14/2025



#90

Benzo(a)pyrene

Concen: 50.093 ng

RT: 15.445 min Scan# 2270

Delta R.T. -0.006 min

Lab File: BF141941.D

Acq: 13 Mar 2025 13:17

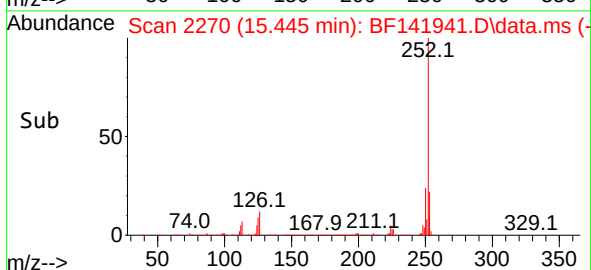
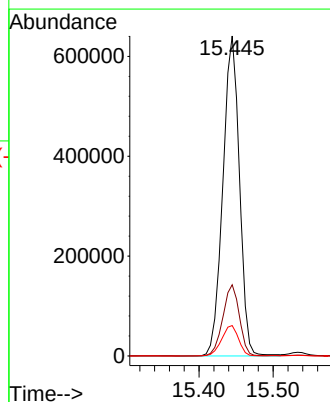
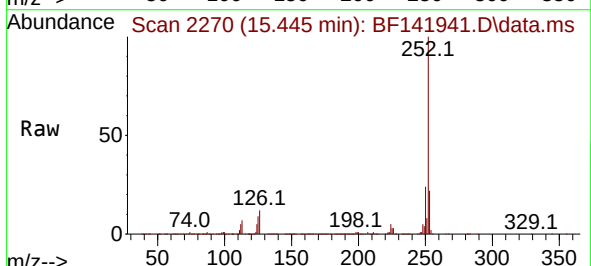
Tgt Ion:252 Resp: 996055

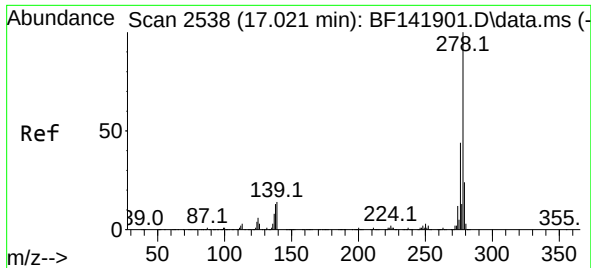
Ion Ratio Lower Upper

252 100

253 22.3 17.4 26.0

125 9.5 7.8 11.8





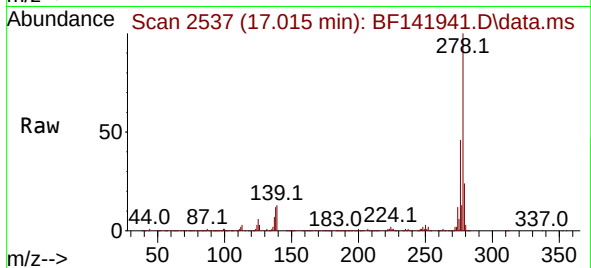
#91
 Dibenzo(a,h)anthracene
 Concen: 50.797 ng
 RT: 17.015 min Scan# 2537
 Delta R.T. -0.006 min
 Lab File: BF141941.D
 Acq: 13 Mar 2025 13:17

Instrument :

BNA_F

ClientSampleId :

PB167097BS

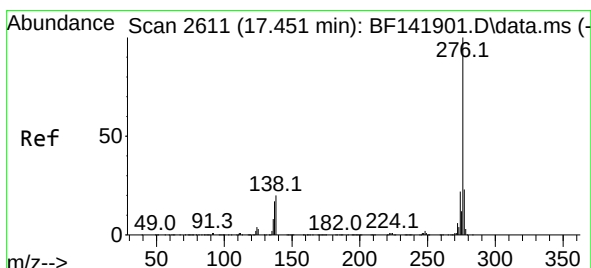
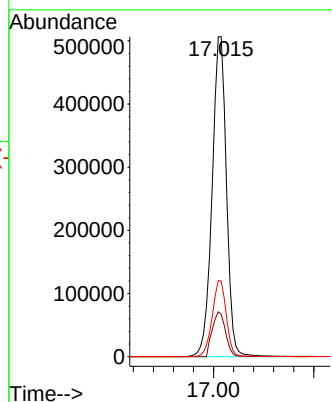
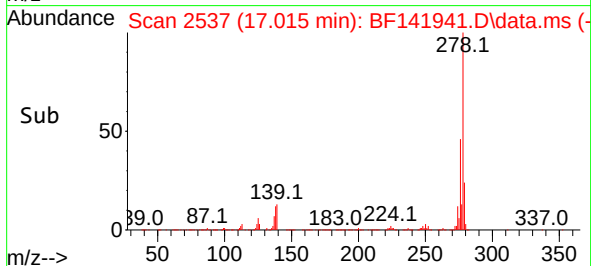


Tgt Ion:278 Resp: 1005280
 Ion Ratio Lower Upper
 278 100
 139 13.3 11.4 17.2
 279 23.6 18.8 28.2

Manual Integrations

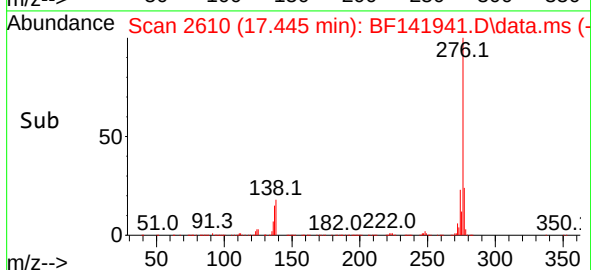
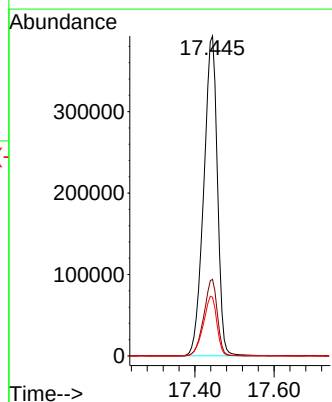
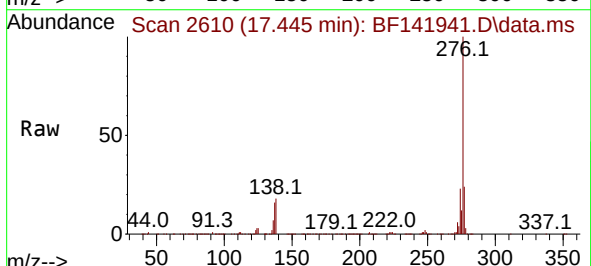
APPROVED

Reviewed By :Anahy Claudio 03/14/2025
 Supervised By :Jagrut Upadhyay 03/14/2025



#92
 Benzo(g,h,i)perylene
 Concen: 47.965 ng
 RT: 17.445 min Scan# 2610
 Delta R.T. -0.006 min
 Lab File: BF141941.D
 Acq: 13 Mar 2025 13:17

Tgt Ion:276 Resp: 938047
 Ion Ratio Lower Upper
 276 100
 277 23.9 18.7 28.1
 138 18.4 15.8 23.8



Report of Analysis

Client:	Weston Solutions	Date Collected:	
Project:	Ft Meade Tipton Airfield Parcel RI - PO 0111169	Date Received:	
Client Sample ID:	PB167097BSD	SDG No.:	Q1539
Lab Sample ID:	PB167097BSD	Matrix:	Water
Analytical Method:	SW8270	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	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 :	SW3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF141942.D	1	03/12/25 08:45	03/13/25 13:47	PB167097

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
100-52-7	Benzaldehyde	21.2		3.90	8.00	10.0	ug/L
108-95-2	Phenol	43.0		0.91	4.00	5.00	ug/L
111-44-4	bis(2-Chloroethyl)ether	42.8		0.81	4.00	5.00	ug/L
95-57-8	2-Chlorophenol	44.2		0.58	4.00	5.00	ug/L
95-48-7	2-Methylphenol	44.5		1.10	4.00	5.00	ug/L
108-60-1	2,2-oxybis(1-Chloropropane)	40.4		1.30	4.00	5.00	ug/L
98-86-2	Acetophenone	47.2		0.74	4.00	5.00	ug/L
65794-96-9	3+4-Methylphenols	44.0		1.10	8.00	10.0	ug/L
621-64-7	n-Nitroso-di-n-propylamine	41.0		1.40	2.50	2.50	ug/L
67-72-1	Hexachloroethane	42.7		0.65	4.00	5.00	ug/L
98-95-3	Nitrobenzene	43.6		0.76	4.00	5.00	ug/L
78-59-1	Isophorone	45.2		0.75	4.00	5.00	ug/L
88-75-5	2-Nitrophenol	45.9		1.80	4.00	5.00	ug/L
105-67-9	2,4-Dimethylphenol	54.8		1.90	4.00	5.00	ug/L
111-91-1	bis(2-Chloroethoxy)methane	42.7		0.68	4.00	5.00	ug/L
120-83-2	2,4-Dichlorophenol	43.8		0.52	4.00	5.00	ug/L
91-20-3	Naphthalene	42.1		0.50	4.00	5.00	ug/L
106-47-8	4-Chloroaniline	18.2		0.84	4.00	5.00	ug/L
87-68-3	Hexachlorobutadiene	44.1		0.54	4.00	5.00	ug/L
105-60-2	Caprolactam	48.9		1.10	8.00	10.0	ug/L
59-50-7	4-Chloro-3-methylphenol	43.1		0.59	4.00	5.00	ug/L
91-57-6	2-Methylnaphthalene	41.5		0.56	4.00	5.00	ug/L
77-47-4	Hexachlorocyclopentadiene	160	E	3.60	8.00	10.0	ug/L
88-06-2	2,4,6-Trichlorophenol	45.1		0.51	4.00	5.00	ug/L
95-95-4	2,4,5-Trichlorophenol	45.7		0.62	4.00	5.00	ug/L
92-52-4	1,1-Biphenyl	48.0		0.53	4.00	5.00	ug/L
91-58-7	2-Chloronaphthalene	43.7		0.61	4.00	5.00	ug/L
88-74-4	2-Nitroaniline	45.2		1.30	4.00	5.00	ug/L
131-11-3	Dimethylphthalate	42.5		0.61	4.00	5.00	ug/L

Report of Analysis

Client:	Weston Solutions	Date Collected:	
Project:	Ft Meade Tipton Airfield Parcel RI - PO 0111169	Date Received:	
Client Sample ID:	PB167097BSD	SDG No.:	Q1539
Lab Sample ID:	PB167097BSD	Matrix:	Water
Analytical Method:	SW8270	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	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 :	SW3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF141942.D	1	03/12/25 08:45	03/13/25 13:47	PB167097

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
208-96-8	Acenaphthylene	46.1		0.75	4.00	5.00	ug/L
606-20-2	2,6-Dinitrotoluene	45.0		0.92	4.00	5.00	ug/L
99-09-2	3-Nitroaniline	26.8		1.10	4.00	5.00	ug/L
83-32-9	Acenaphthene	49.6		0.55	4.00	5.00	ug/L
51-28-5	2,4-Dinitrophenol	95.0	E	6.00	8.00	10.0	ug/L
100-02-7	4-Nitrophenol	97.3	E	2.40	8.00	10.0	ug/L
132-64-9	Dibenzofuran	42.0		0.61	4.00	5.00	ug/L
121-14-2	2,4-Dinitrotoluene	47.0		1.20	4.00	5.00	ug/L
84-66-2	Diethylphthalate	42.7		0.69	4.00	5.00	ug/L
7005-72-3	4-Chlorophenyl-phenylether	43.6		0.68	4.00	5.00	ug/L
86-73-7	Fluorene	43.5		0.63	4.00	5.00	ug/L
100-01-6	4-Nitroaniline	44.2		1.50	4.00	5.00	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	49.9		2.90	8.00	10.0	ug/L
86-30-6	n-Nitrosodiphenylamine	44.8		0.58	4.00	5.00	ug/L
101-55-3	4-Bromophenyl-phenylether	44.3		0.40	4.00	5.00	ug/L
118-74-1	Hexachlorobenzene	47.0		0.52	4.00	5.00	ug/L
1912-24-9	Atrazine	59.1		1.00	4.00	5.00	ug/L
87-86-5	Pentachlorophenol	95.6	E	1.60	8.00	10.0	ug/L
85-01-8	Phenanthrene	45.0		0.50	4.00	5.00	ug/L
120-12-7	Anthracene	45.8		0.61	4.00	5.00	ug/L
86-74-8	Carbazole	44.5		0.72	4.00	5.00	ug/L
84-74-2	Di-n-butylphthalate	43.1		1.20	4.00	5.00	ug/L
206-44-0	Fluoranthene	43.3		0.82	4.00	5.00	ug/L
129-00-0	Pyrene	44.7		0.50	4.00	5.00	ug/L
85-68-7	Butylbenzylphthalate	43.7		1.90	4.00	5.00	ug/L
91-94-1	3,3-Dichlorobenzidine	29.8		0.93	8.00	10.0	ug/L
56-55-3	Benzo(a)anthracene	46.3		0.45	4.00	5.00	ug/L
218-01-9	Chrysene	44.3		0.44	4.00	5.00	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	42.4		1.60	4.00	5.00	ug/L
117-84-0	Di-n-octyl phthalate	43.5		2.30	8.00	10.0	ug/L
205-99-2	Benzo(b)fluoranthene	39.4		0.49	4.00	5.00	ug/L

Report of Analysis

Client:	Weston Solutions	Date Collected:	
Project:	Ft Meade Tipton Airfield Parcel RI - PO 0111169	Date Received:	
Client Sample ID:	PB167097BSD	SDG No.:	Q1539
Lab Sample ID:	PB167097BSD	Matrix:	Water
Analytical Method:	SW8270	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	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 :	SW3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF141942.D	1	03/12/25 08:45	03/13/25 13:47	PB167097

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
207-08-9	Benzo(k)fluoranthene	45.8		0.48	4.00	5.00	ug/L
50-32-8	Benzo(a)pyrene	47.3		0.55	4.00	5.00	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	48.6		0.59	4.00	5.00	ug/L
53-70-3	Dibenzo(a,h)anthracene	48.6		0.67	4.00	5.00	ug/L
191-24-2	Benzo(g,h,i)perylene	45.5		0.69	4.00	5.00	ug/L
95-94-3	1,2,4,5-Tetrachlorobenzene	47.7		0.52	4.00	5.00	ug/L
123-91-1	1,4-Dioxane	41.8		1.00	4.00	5.00	ug/L
58-90-2	2,3,4,6-Tetrachlorophenol	43.9		0.72	4.00	5.00	ug/L
SURROGATES							
367-12-4	2-Fluorophenol	132		19 - 119		88%	SPK: 150
13127-88-3	Phenol-d6	129		10 - 130		86%	SPK: 150
4165-60-0	Nitrobenzene-d5	93.2		44 - 120		93%	SPK: 100
321-60-8	2-Fluorobiphenyl	93.8		44 - 119		94%	SPK: 100
118-79-6	2,4,6-Tribromophenol	151		43 - 140		101%	SPK: 150
1718-51-0	Terphenyl-d14	101		50 - 134		101%	SPK: 100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	178000	6.875				
1146-65-2	Naphthalene-d8	702000	8.157				
15067-26-2	Acenaphthene-d10	402000	9.916				
1517-22-2	Phenanthrene-d10	683000	11.398				
1719-03-5	Chrysene-d12	437000	14.033				
1520-96-3	Perylene-d12	393000	15.504				

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\BF031325\
 Data File : BF141942.D
 Acq On : 13 Mar 2025 13:47
 Operator : RC/JU
 Sample : PB167097BSD
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PB167097BSD

Manual Integrations
 APPROVED

Reviewed By :Anahy Claudio 03/14/2025
 Supervised By :Jagrut Upadhyay 03/14/2025

Quant Time: Mar 13 14:35:48 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF031025.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Mar 10 15:46:22 2025
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.875	152	178366	20.000	ng	0.00
21) Naphthalene-d8	8.157	136	702401	20.000	ng	0.00
39) Acenaphthene-d10	9.916	164	401749	20.000	ng	0.00
64) Phenanthrene-d10	11.398	188	683407	20.000	ng	0.00
76) Chrysene-d12	14.033	240	437316	20.000	ng	0.00
86) Perylene-d12	15.504	264	392710	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.510	112	1413436	132.254	ng	0.02
7) Phenol-d6	6.504	99	1756797	129.108	ng	0.00
23) Nitrobenzene-d5	7.439	82	1163264	93.200	ng	0.00
42) 2,4,6-Tribromophenol	10.704	330	771672	151.406	ng	0.00
45) 2-Fluorobiphenyl	9.233	172	2478502	93.823	ng	0.00
79) Terphenyl-d14	12.980	244	2991728	101.143	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	2.781	88	187189	41.802	ng	99
3) Pyridine	3.534	79	435192	39.620	ng	99
4) n-Nitrosodimethylamine	3.481	42	222631	42.519	ng	100
6) Aniline	6.540	93	484108	36.064	ng	100
8) 2-Chlorophenol	6.663	128	523341	44.153	ng	99
9) Benzaldehyde	6.428	77	161299	21.195	ng	100
10) Phenol	6.516	94	614836	42.950	ng	96
11) bis(2-Chloroethyl)ether	6.610	93	460371	42.829	ng	99
12) 1,3-Dichlorobenzene	6.816	146	547988	42.823	ng	100
13) 1,4-Dichlorobenzene	6.892	146	556911	43.013	ng	100
14) 1,2-Dichlorobenzene	7.045	146	534852	43.858	ng	99
15) Benzyl Alcohol	7.016	79	471295	42.842	ng	98
16) 2,2'-oxybis(1-Chloropr...	7.151	45	523711	40.357	ng	99
17) 2-Methylphenol	7.122	107	419477	44.510	ng	98
18) Hexachloroethane	7.387	117	207547	42.748	ng	98
19) n-Nitroso-di-n-propyla...	7.292	70	358439	40.995	ng	100
20) 3+4-Methylphenols	7.275	107	531297	44.013	ng	94
22) Acetophenone	7.287	105	793124	47.151	ng	99
24) Nitrobenzene	7.457	77	541451	43.637	ng	100
25) Isophorone	7.698	82	997958	45.232	ng	100
26) 2-Nitrophenol	7.775	139	279514	45.898	ng	99
27) 2,4-Dimethylphenol	7.804	122	459597	54.809	ng	97
28) bis(2-Chloroethoxy)met...	7.904	93	590404	42.665	ng	99
29) 2,4-Dichlorophenol	8.010	162	455855	43.797	ng	99
30) 1,2,4-Trichlorobenzene	8.098	180	495238	43.176	ng	98
31) Naphthalene	8.181	128	1520406	42.138	ng	100
32) Benzoic acid	7.934	122	383964	52.090	ng	99
33) 4-Chloroaniline	8.222	127	231327	18.162	ng	99
34) Hexachlorobutadiene	8.298	225	329952	44.109	ng	99
35) Caprolactam	8.598	113	155078m	48.870	ng	
36) 4-Chloro-3-methylphenol	8.704	107	500230	43.084	ng	98
37) 2-Methylnaphthalene	8.869	142	1001009	41.506	ng	100
38) 1-Methylnaphthalene	8.969	142	974037	41.853	ng	100
40) 1,2,4,5-Tetrachloroben...	9.039	216	583297	47.688	ng	97
41) Hexachlorocyclopentadiene	9.022	237	787555	164.521	ng	100
43) 2,4,6-Trichlorophenol	9.145	196	360707	45.123	ng	99

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF031325\
 Data File : BF141942.D
 Acq On : 13 Mar 2025 13:47
 Operator : RC/JU
 Sample : PB167097BSD
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PB167097BSD

Manual Integrations
 APPROVED

Reviewed By :Anahy Claudio 03/14/2025
 Supervised By :Jagrut Upadhyay 03/14/2025

Quant Time: Mar 13 14:35:48 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF031025.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Mar 10 15:46:22 2025
 Response via : Initial Calibration

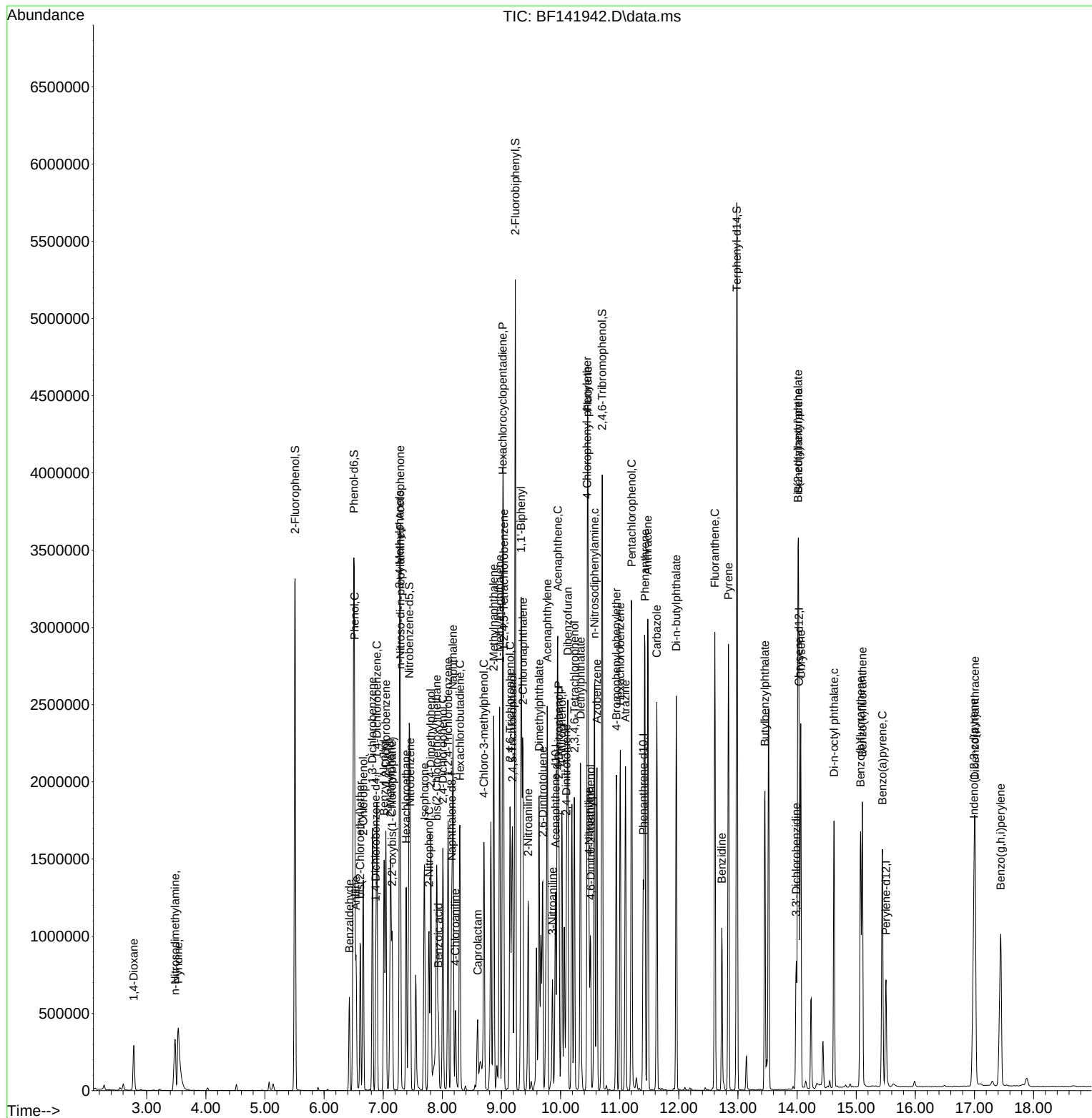
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.186	196	370018	45.703	ng	99
46) 1,1'-Biphenyl	9.334	154	1464225	47.967	ng	100
47) 2-Chloronaphthalene	9.363	162	994179	43.696	ng	99
48) 2-Nitroaniline	9.451	65	298045	45.243	ng	98
49) Acenaphthylene	9.775	152	1557169	46.120	ng	100
50) Dimethylphthalate	9.639	163	1194632	42.463	ng	100
51) 2,6-Dinitrotoluene	9.698	165	263529	44.989	ng	94
52) Acenaphthene	9.951	154	1177793	49.639	ng	98
53) 3-Nitroaniline	9.863	138	159486	26.841	ng	98
54) 2,4-Dinitrophenol	9.969	184	320573	94.980	ng	# 52
55) Dibenzofuran	10.122	168	1424322	42.011	ng	99
56) 4-Nitrophenol	10.022	139	435956	97.292	ng	99
57) 2,4-Dinitrotoluene	10.098	165	359870	47.038	ng	97
58) Fluorene	10.463	166	1136451	43.467	ng	99
59) 2,3,4,6-Tetrachlorophenol	10.233	232	323646	43.930	ng	100
60) Diethylphthalate	10.339	149	1198598	42.727	ng	100
61) 4-Chlorophenyl-phenyle...	10.451	204	594729	43.631	ng	99
62) 4-Nitroaniline	10.480	138	255806	44.221	ng	99
63) Azobenzene	10.616	77	1090059	41.795	ng	98
65) 4,6-Dinitro-2-methylph...	10.510	198	203376	49.919	ng	95
66) n-Nitrosodiphenylamine	10.575	169	990749	44.799	ng	99
67) 4-Bromophenyl-phenylether	10.945	248	379973	44.271	ng	97
68) Hexachlorobenzene	11.010	284	442267	46.983	ng	95
69) Atrazine	11.098	200	400827	59.122	ng	99
70) Pentachlorophenol	11.204	266	554214	95.557	ng	99
71) Phenanthrene	11.427	178	1661922	45.023	ng	100
72) Anthracene	11.475	178	1697853	45.846	ng	100
73) Carbazole	11.627	167	1421538	44.509	ng	100
74) Di-n-butylphthalate	11.957	149	1824481	43.052	ng	100
75) Fluoranthene	12.610	202	1694947	43.287	ng	100
77) Benzidine	12.727	184	545926	89.476	ng	100
78) Pyrene	12.839	202	1692747	44.748	ng	99
80) Butylbenzylphthalate	13.457	149	646504	43.665	ng	98
81) Benzo(a)anthracene	14.021	228	1329501	46.329	ng	100
82) 3,3'-Dichlorobenzidine	13.986	252	247002	29.785	ng	99
83) Chrysene	14.063	228	1152190	44.293	ng	99
84) Bis(2-ethylhexyl)phtha...	14.016	149	866554	42.448	ng	99
85) Di-n-octyl phthalate	14.627	149	1235348	43.491	ng	99
87) Indeno(1,2,3-cd)pyrene	16.992	276	1234216	48.584	ng	98
88) Benzo(b)fluoranthene	15.074	252	1060224	39.392	ng	99
89) Benzo(k)fluoranthene	15.104	252	1055343	45.819	ng	99
90) Benzo(a)pyrene	15.445	252	995119	47.252	ng	99
91) Dibenzo(a,h)anthracene	17.009	278	1018402	48.588	ng	99
92) Benzo(g,h,i)perylene	17.445	276	942720	45.514	ng	98

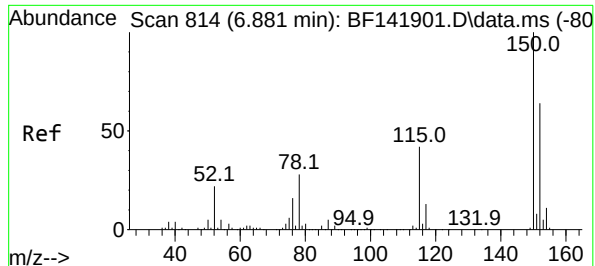
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Instrument :
BNA_F
ClientSampleId :
PB167097BSD

Manual Integrations APPROVED

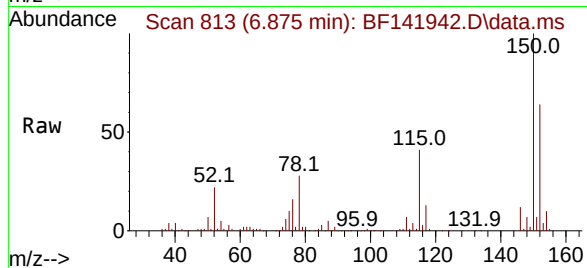
Reviewed By :Anahy Claudio 03/14/2025
Supervised By :Jaqrut Upadhyay 03/14/2025





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.875 min Scan# 814
Delta R.T. -0.006 min
Lab File: BF141942.D
Acq: 13 Mar 2025 13:47

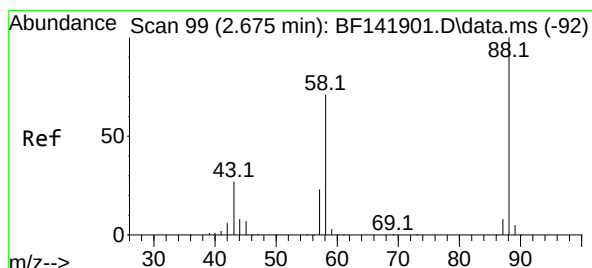
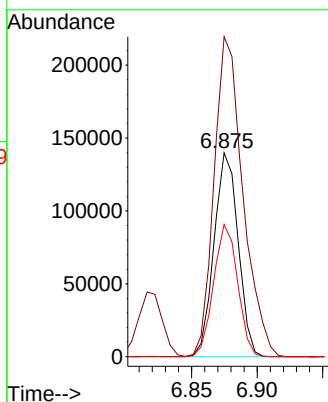
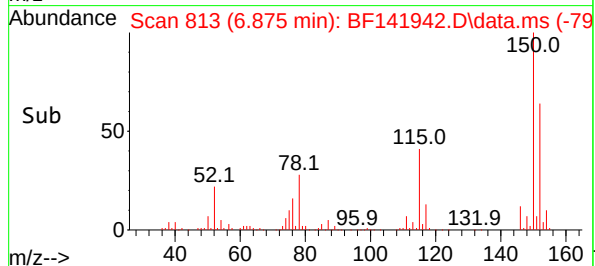
Instrument :
BNA_F
ClientSampleId :
PB167097BSD



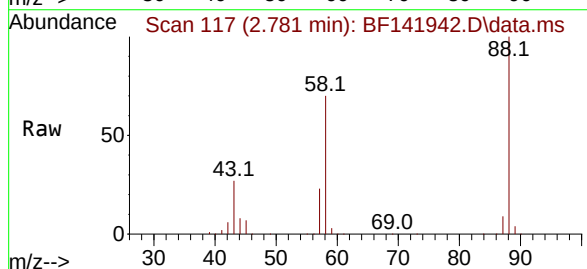
Tgt Ion:152 Resp: 178360
Ion Ratio Lower Upper
152 100
150 157.0 127.4 191.2
115 64.9 51.9 77.9

Manual Integrations
APPROVED

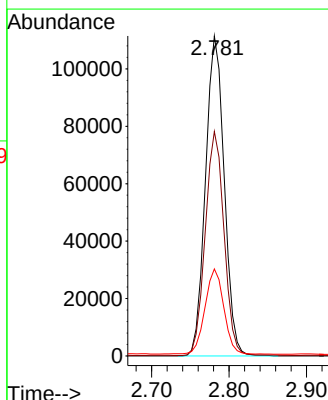
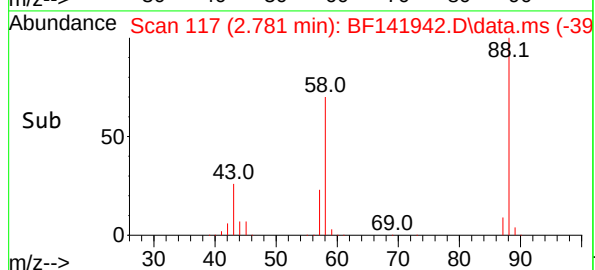
Reviewed By :Anahy Claudio 03/14/2025
Supervised By :Jagrut Upadhyay 03/14/2025

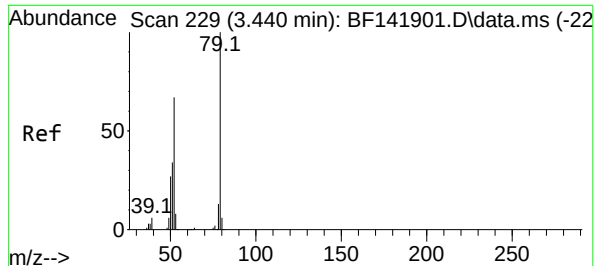


#2
1,4-Dioxane
Concen: 41.802 ng
RT: 2.781 min Scan# 117
Delta R.T. 0.106 min
Lab File: BF141942.D
Acq: 13 Mar 2025 13:47



Tgt Ion: 88 Resp: 187189
Ion Ratio Lower Upper
88 100
58 70.1 57.4 86.2
43 26.8 21.5 32.3





#3

Pyridine

Concen: 39.620 ng

RT: 3.534 min Scan# 245

Delta R.T. 0.094 min

Lab File: BF141942.D

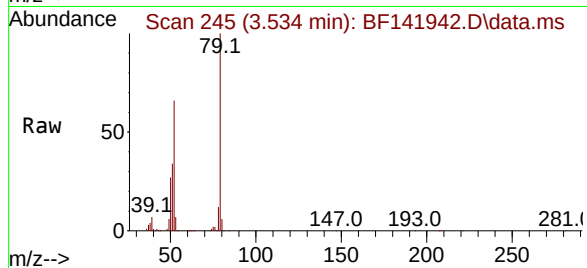
Acq: 13 Mar 2025 13:47

Instrument :

BNA_F

ClientSampleId :

PB167097BSD

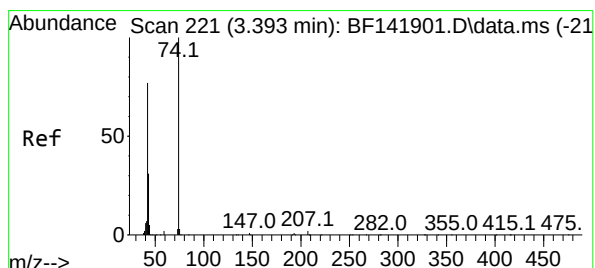
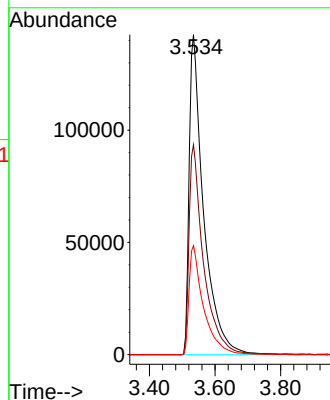
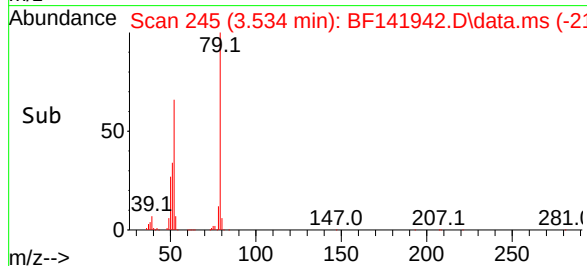


Tgt Ion: 79	Resp: 43519
Ion Ratio	Lower Upper
79	100
52	65.7 53.3 79.9
51	34.1 27.6 41.4

Manual Integrations

APPROVED

Reviewed By :Anahy Claudio 03/14/2025
Supervised By :Jagrut Upadhyay 03/14/2025



#4

n-Nitrosodimethylamine

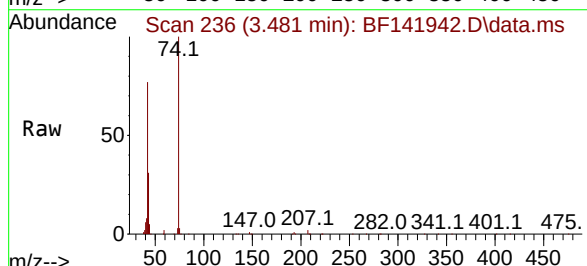
Concen: 42.519 ng

RT: 3.481 min Scan# 236

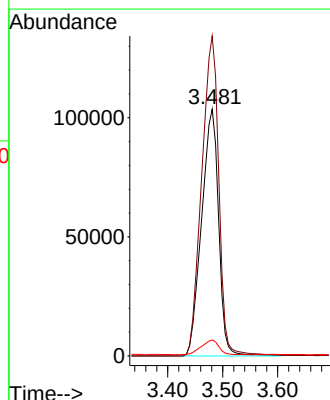
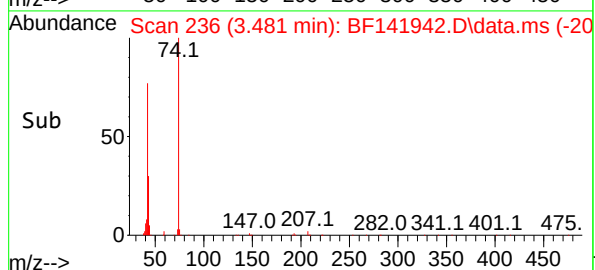
Delta R.T. 0.088 min

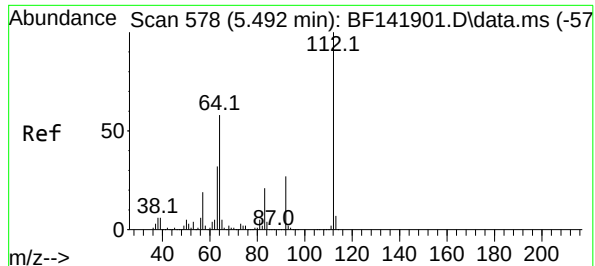
Lab File: BF141942.D

Acq: 13 Mar 2025 13:47



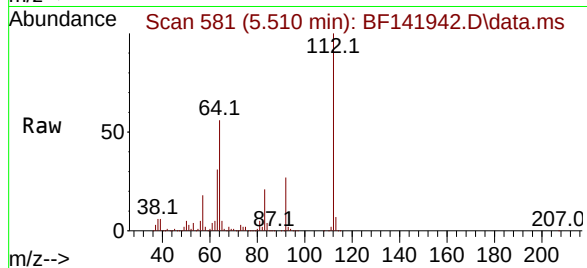
Tgt Ion: 42	Resp: 222631
Ion Ratio	Lower Upper
42	100
74	129.6 103.4 155.0
44	6.5 5.0 7.4





#5
2-Fluorophenol
Concen: 132.254 ng
RT: 5.510 min Scan# 510
Delta R.T. 0.018 min
Lab File: BF141942.D
Acq: 13 Mar 2025 13:47

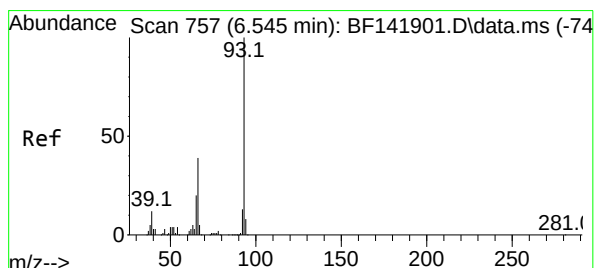
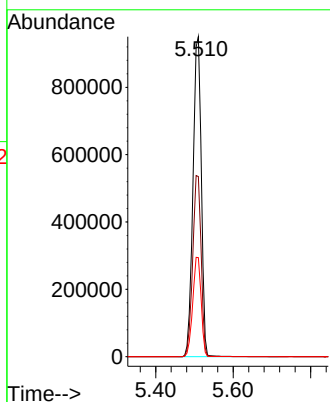
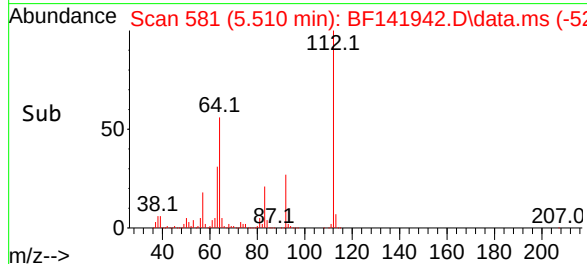
Instrument :
BNA_F
ClientSampleId :
PB167097BSD



Tgt Ion: 112 Resp: 141343
Ion Ratio Lower Upper
112 100
64 56.3 46.5 69.7
63 30.9 25.4 38.2

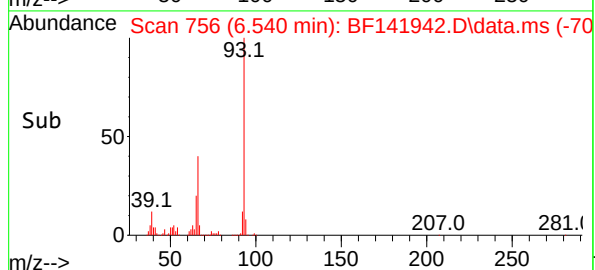
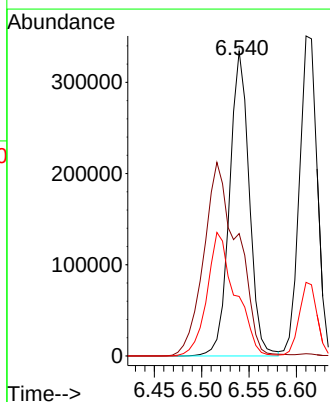
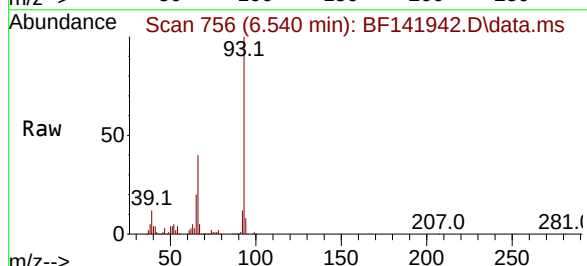
Manual Integrations
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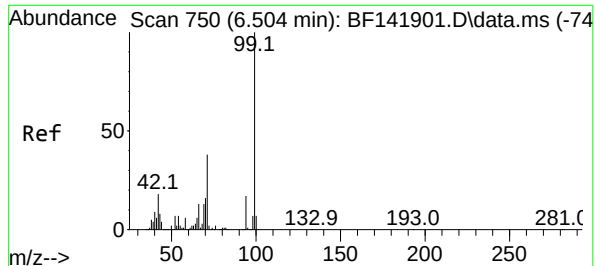
Reviewed By :Anahy Claudio 03/14/2025
Supervised By :Jagrut Upadhyay 03/14/2025



#6
Aniline
Concen: 36.064 ng
RT: 6.540 min Scan# 756
Delta R.T. -0.006 min
Lab File: BF141942.D
Acq: 13 Mar 2025 13:47

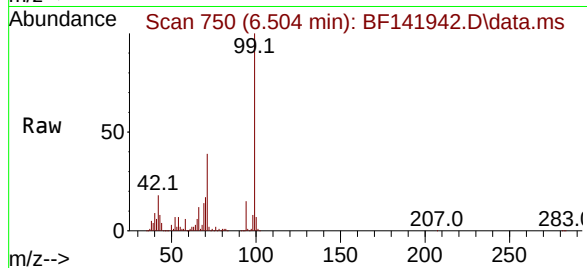
Tgt Ion: 93 Resp: 484108
Ion Ratio Lower Upper
93 100
66 40.1 31.9 47.9
65 19.5 15.8 23.6





#7
Phenol-d6
Concen: 129.108 ng
RT: 6.504 min Scan# 750
Delta R.T. 0.000 min
Lab File: BF141942.D
Acq: 13 Mar 2025 13:47

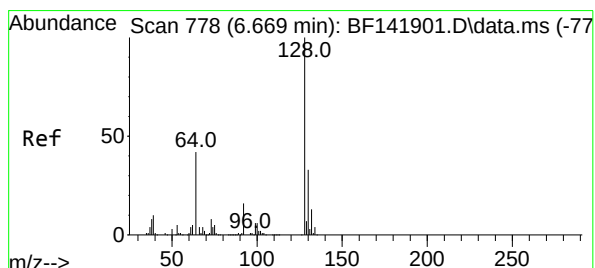
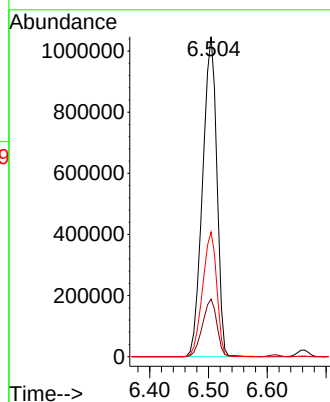
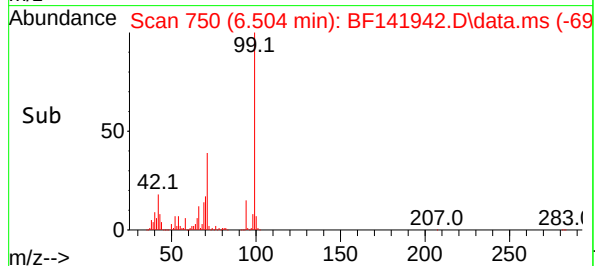
Instrument :
BNA_F
ClientSampleId :
PB167097BSD



Tgt Ion: 99 Resp: 175679
Ion Ratio Lower Upper
99 100
42 18.0 14.6 21.8
71 39.0 30.8 46.2

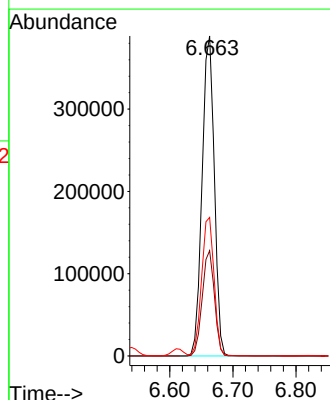
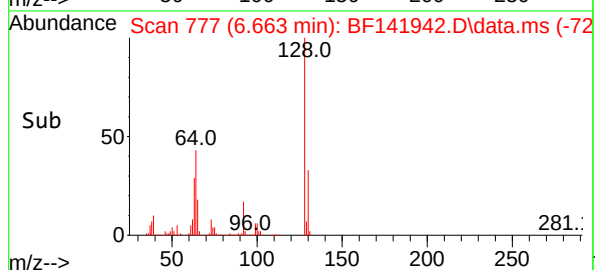
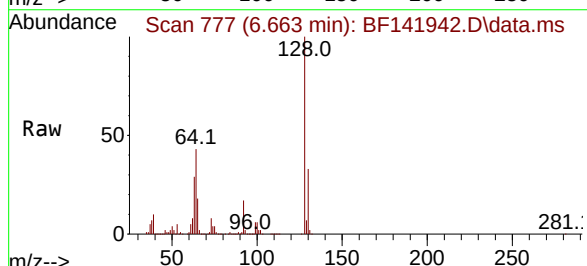
Manual Integrations
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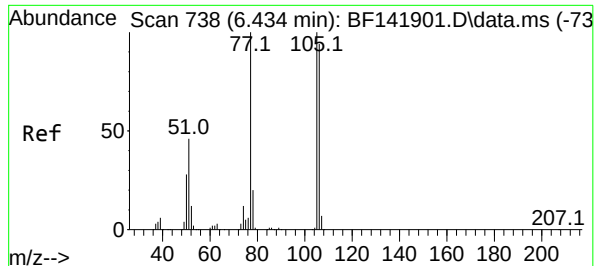
Reviewed By :Anahy Claudio 03/14/2025
Supervised By :Jagrut Upadhyay 03/14/2025



#8
2-Chlorophenol
Concen: 44.153 ng
RT: 6.663 min Scan# 777
Delta R.T. -0.006 min
Lab File: BF141942.D
Acq: 13 Mar 2025 13:47

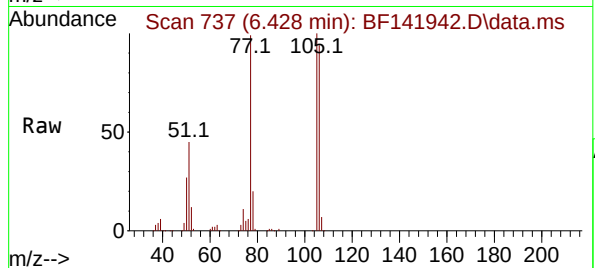
Tgt Ion:128 Resp: 523341
Ion Ratio Lower Upper
128 100
130 32.9 12.8 52.8
64 43.3 24.4 64.4





#9
Benzaldehyde
Concen: 21.195 ng
RT: 6.428 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF141942.D
Acq: 13 Mar 2025 13:47

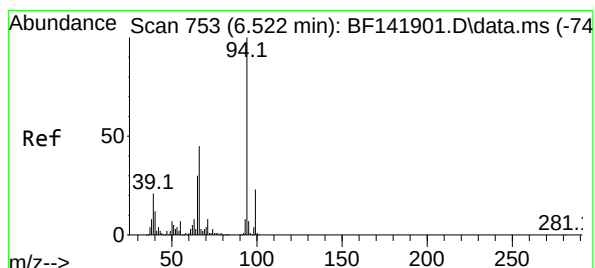
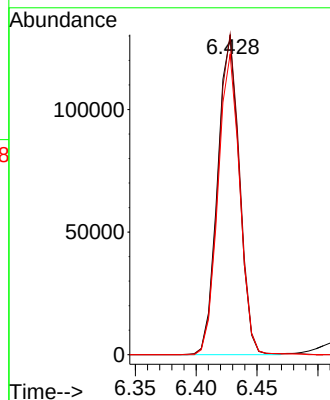
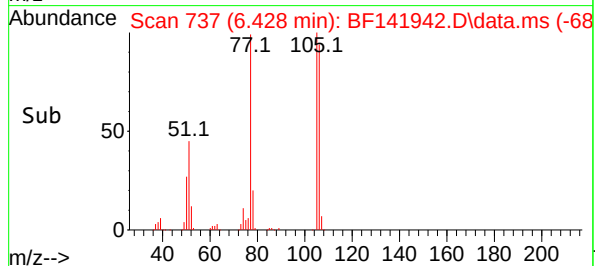
Instrument :
BNA_F
ClientSampleId :
PB167097BSD



Tgt Ion: 77 Resp: 161299
Ion Ratio Lower Upper
77 100
105 100.8 80.0 120.0
106 94.6 74.5 114.5

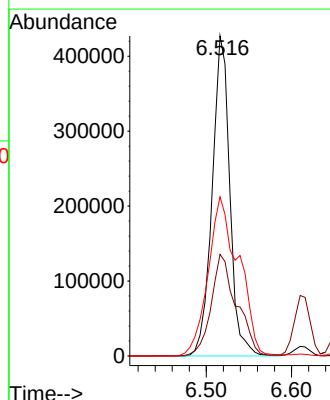
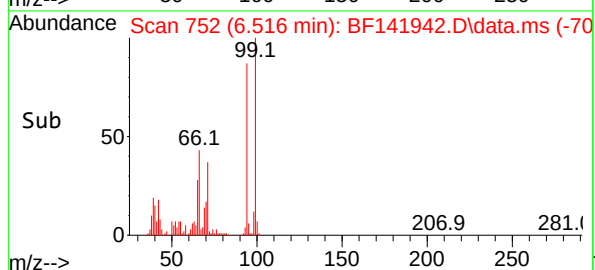
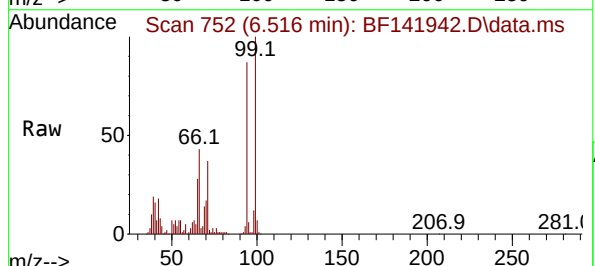
Manual Integrations
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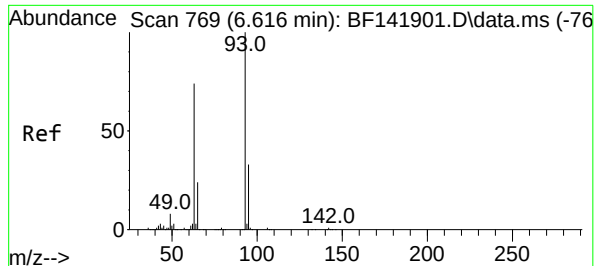
Reviewed By :Anahy Claudio 03/14/2025
Supervised By :Jagrut Upadhyay 03/14/2025



#10
Phenol
Concen: 42.950 ng
RT: 6.516 min Scan# 752
Delta R.T. -0.006 min
Lab File: BF141942.D
Acq: 13 Mar 2025 13:47

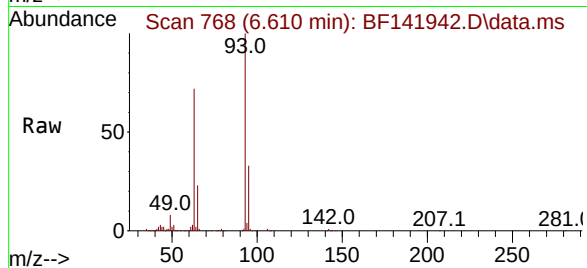
Tgt Ion: 94 Resp: 614836
Ion Ratio Lower Upper
94 100
65 31.7 10.5 50.5
66 49.7 25.8 65.8





#11
bis(2-Chloroethyl)ether
Concen: 42.829 ng
RT: 6.610 min Scan# 769
Delta R.T. -0.006 min
Lab File: BF141942.D
Acq: 13 Mar 2025 13:47

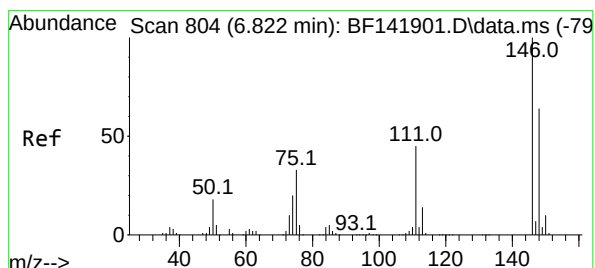
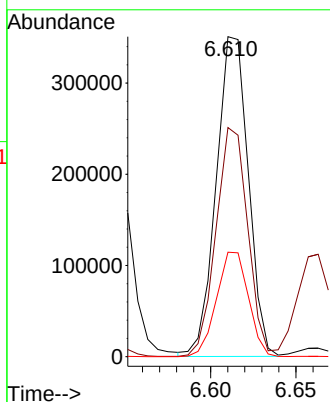
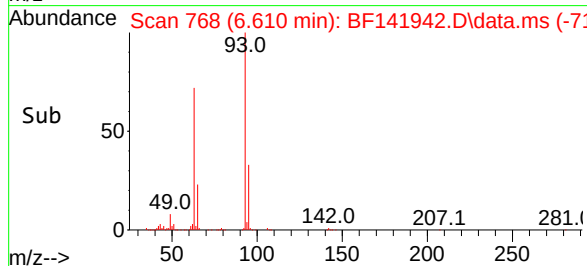
Instrument :
BNA_F
ClientSampleId :
PB167097BSD



Tgt Ion: 93 Resp: 46037
Ion Ratio Lower Upper
93 100
63 71.6 53.0 93.0
95 32.6 12.9 52.9

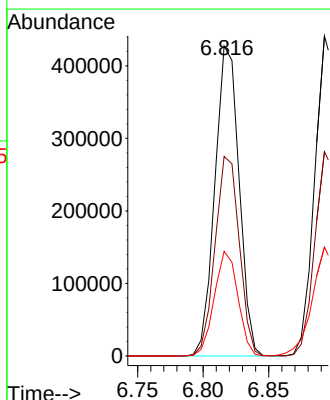
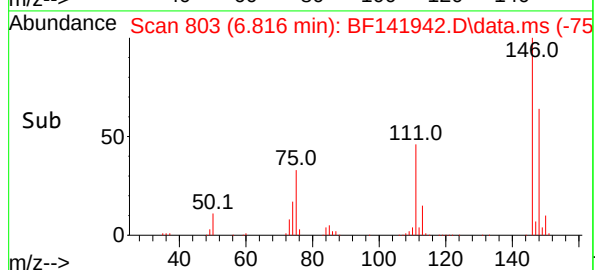
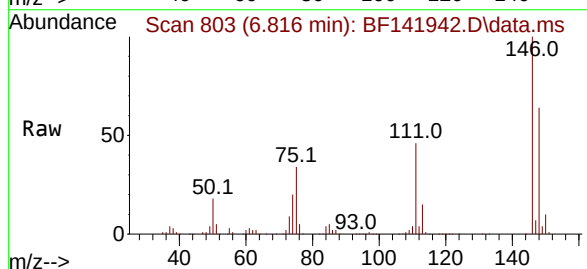
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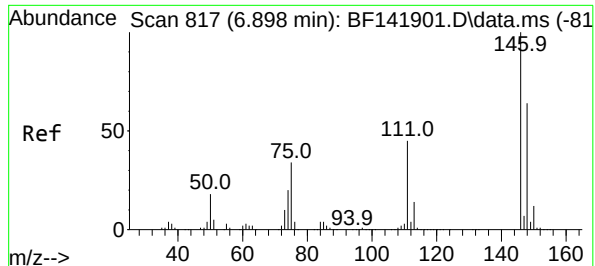
Reviewed By :Anahy Claudio 03/14/2025
Supervised By :Jagrut Upadhyay 03/14/2025



#12
1,3-Dichlorobenzene
Concen: 42.823 ng
RT: 6.816 min Scan# 803
Delta R.T. -0.006 min
Lab File: BF141942.D
Acq: 13 Mar 2025 13:47

Tgt Ion:146 Resp: 547988
Ion Ratio Lower Upper
146 100
148 64.3 51.3 76.9
75 33.8 26.6 40.0





#13

1,4-Dichlorobenzene

Concen: 43.013 ng

RT: 6.892 min Scan# 81

Delta R.T. -0.006 min

Lab File: BF141942.D

Acq: 13 Mar 2025 13:47

Instrument :

BNA_F

ClientSampleId :

PB167097BSD

Tgt Ion:146 Resp: 55691

Ion Ratio Lower Upper

146 100

148 63.8 51.0 76.6

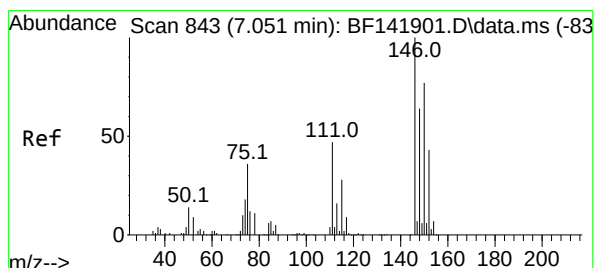
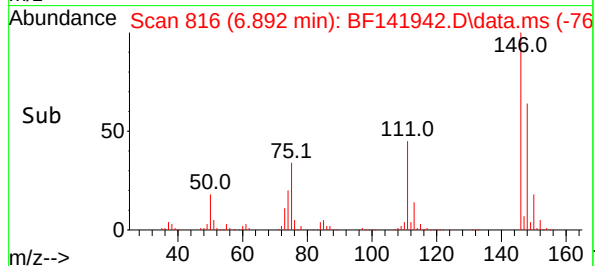
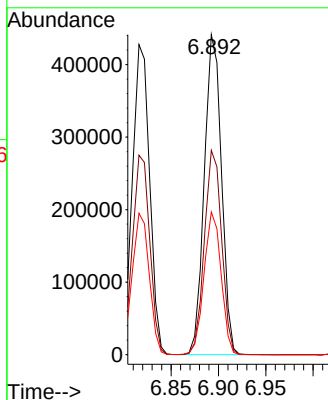
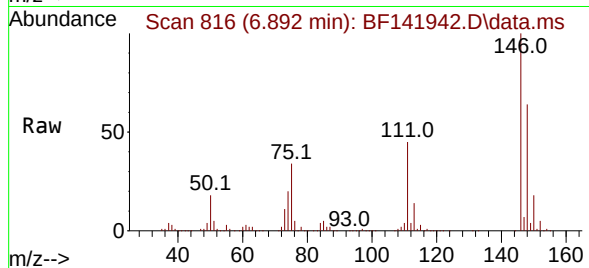
111 44.6 35.7 53.5

Manual Integrations

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Reviewed By :Anahy Claudio 03/14/2025

Supervised By :Jagrut Upadhyay 03/14/2025



#14

1,2-Dichlorobenzene

Concen: 43.858 ng

RT: 7.045 min Scan# 842

Delta R.T. -0.006 min

Lab File: BF141942.D

Acq: 13 Mar 2025 13:47

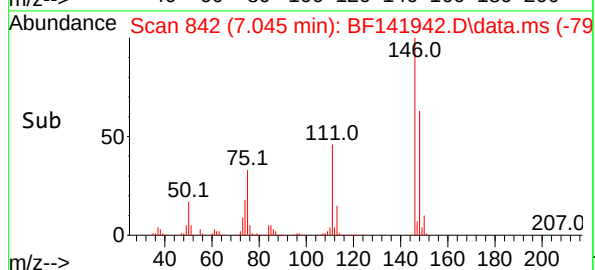
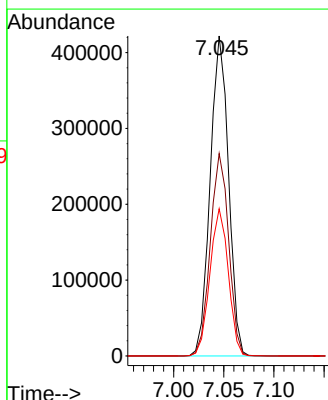
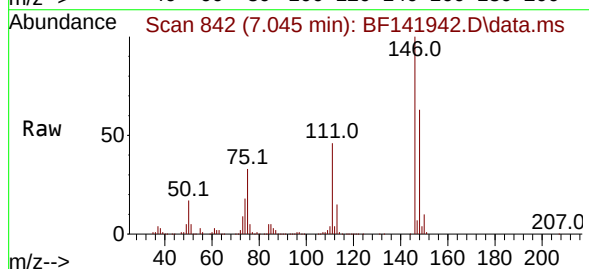
Tgt Ion:146 Resp: 534852

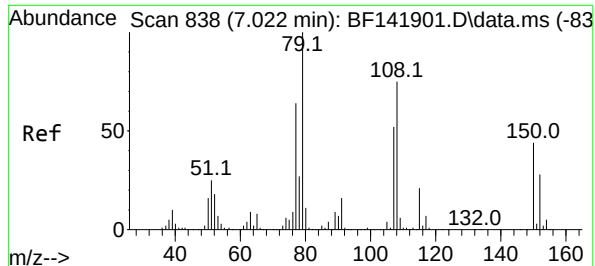
Ion Ratio Lower Upper

146 100

148 63.2 50.8 76.2

111 46.0 38.0 57.0





#15

Benzyl Alcohol

Concen: 42.842 ng

RT: 7.016 min Scan# 81

Delta R.T. -0.006 min

Lab File: BF141942.D

Acq: 13 Mar 2025 13:47

Instrument :

BNA_F

ClientSampleId :

PB167097BSD

Tgt Ion: 79 Resp: 47129

Ion Ratio Lower Upper

79 100

108 73.4 59.7 89.5

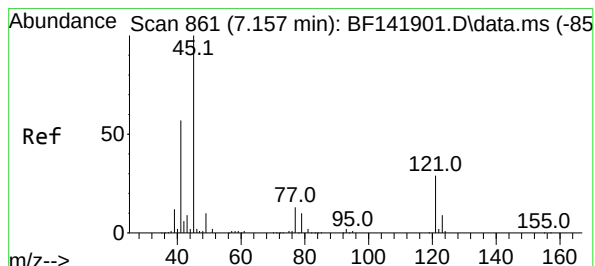
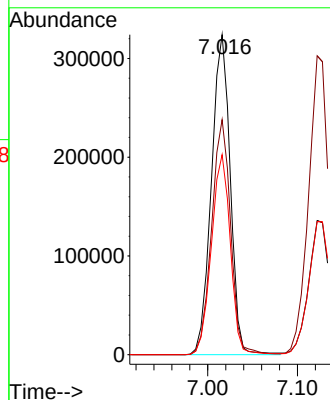
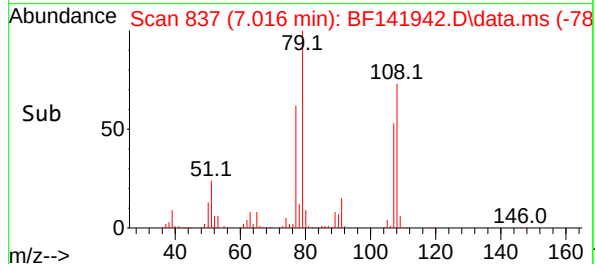
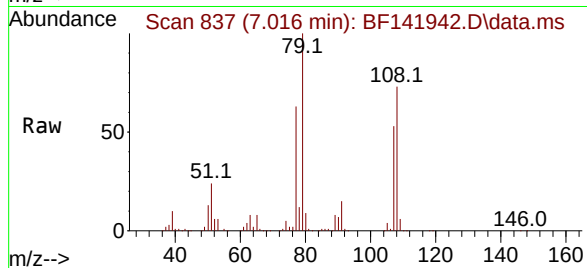
77 62.5 51.0 76.6

Manual Integrations

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Reviewed By :Anahy Claudio 03/14/2025

Supervised By :Jagrut Upadhyay 03/14/2025



#16

2,2'-oxybis(1-Chloropropane)

Concen: 40.357 ng

RT: 7.151 min Scan# 860

Delta R.T. -0.006 min

Lab File: BF141942.D

Acq: 13 Mar 2025 13:47

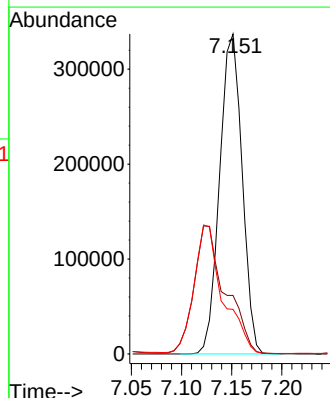
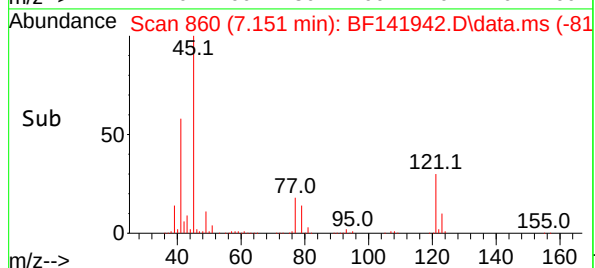
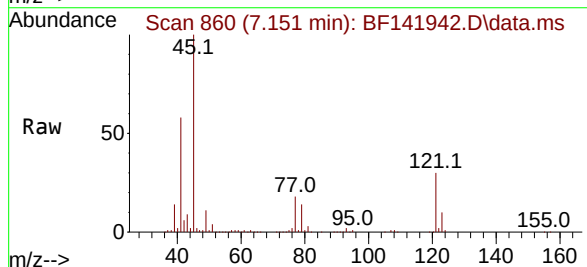
Tgt Ion: 45 Resp: 523711

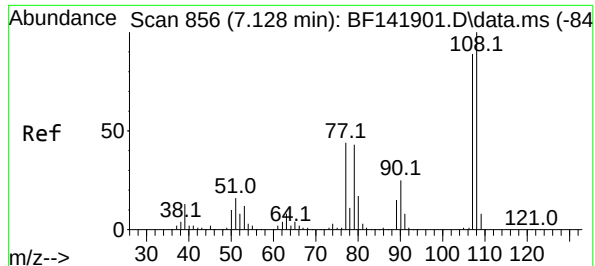
Ion Ratio Lower Upper

45 100

77 18.3 0.0 37.8

79 14.0 0.0 34.2





#17

2-Methylphenol

Concen: 44.510 ng

RT: 7.122 min Scan# 81

Delta R.T. -0.006 min

Lab File: BF141942.D

Acq: 13 Mar 2025 13:47

Instrument :

BNA_F

ClientSampleId :

PB167097BSD

Tgt Ion:107 Resp: 41947

Ion Ratio Lower Upper

107 100

108 110.2 90.2 135.2

77 49.1 39.6 59.4

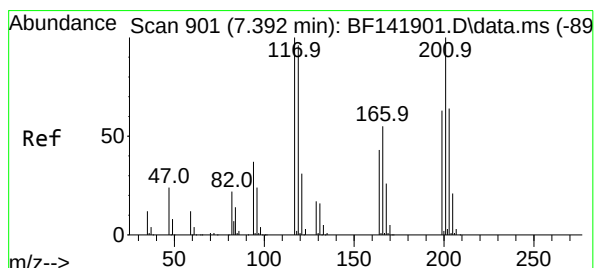
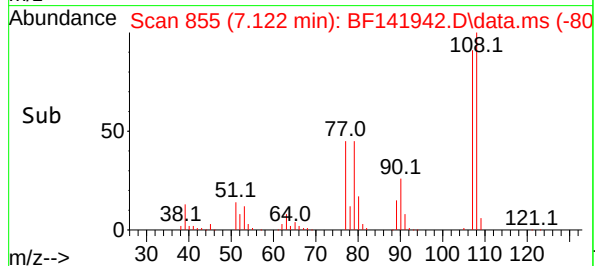
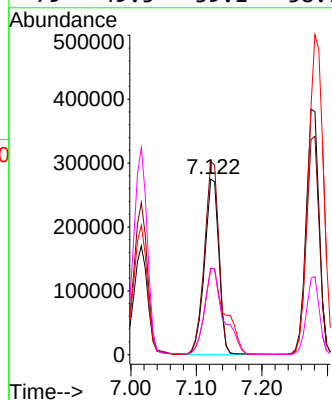
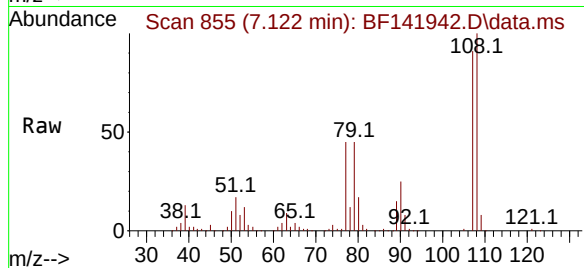
79 49.5 39.1 58.7

Manual Integrations

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Reviewed By :Anahy Claudio 03/14/2025

Supervised By :Jagrut Upadhyay 03/14/2025



#18

Hexachloroethane

Concen: 42.748 ng

RT: 7.387 min Scan# 900

Delta R.T. -0.006 min

Lab File: BF141942.D

Acq: 13 Mar 2025 13:47

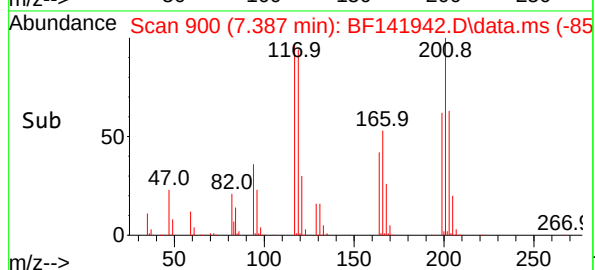
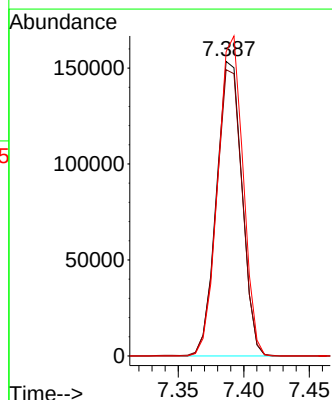
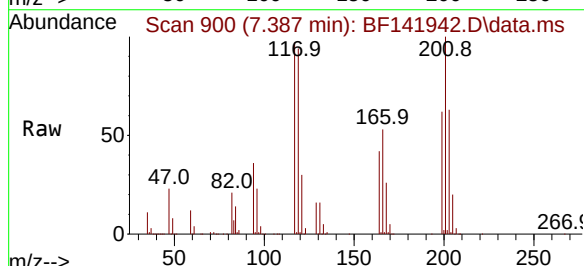
Tgt Ion:117 Resp: 207547

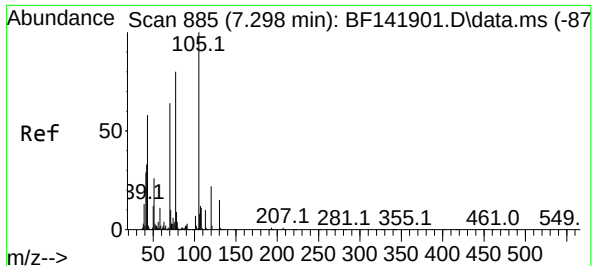
Ion Ratio Lower Upper

117 100

119 97.2 76.9 115.3

201 103.3 79.9 119.9





#19

n-Nitroso-di-n-propylamine

Concen: 40.995 ng

RT: 7.292 min Scan# 884

Delta R.T. -0.006 min

Lab File: BF141942.D

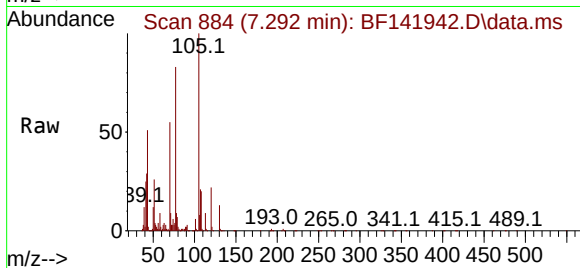
Acq: 13 Mar 2025 13:47

Instrument :

BNA_F

ClientSampleId :

PB167097BSD



Tgt Ion: 70 Resp: 358439

Ion Ratio Lower Upper

70 100

42 51.9 41.4 62.0

101 10.3 8.2 12.2

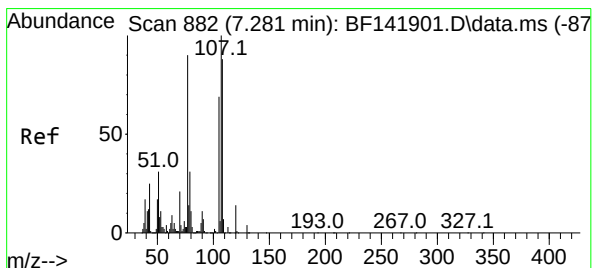
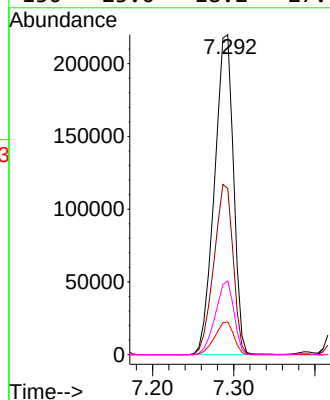
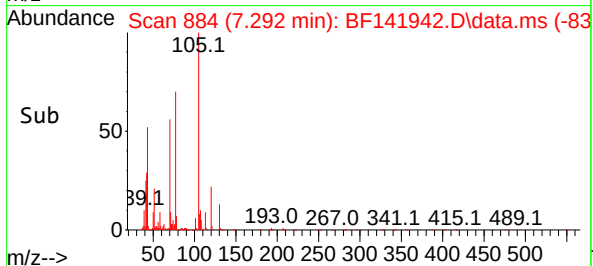
130 23.0 18.2 27.4

Manual Integrations

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Reviewed By :Anahy Claudio 03/14/2025

Supervised By :Jagrut Upadhyay 03/14/2025



#20

3+4-Methylphenols

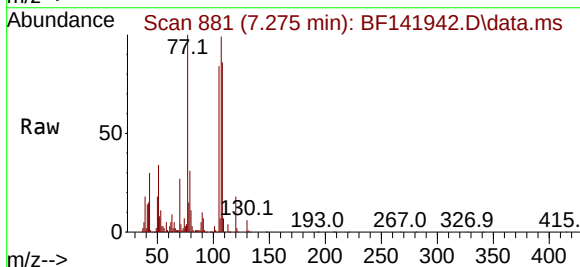
Concen: 44.013 ng

RT: 7.275 min Scan# 881

Delta R.T. -0.006 min

Lab File: BF141942.D

Acq: 13 Mar 2025 13:47



Tgt Ion:107 Resp: 531297

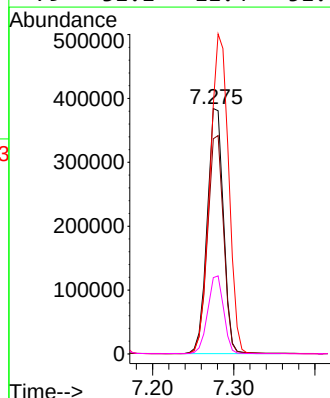
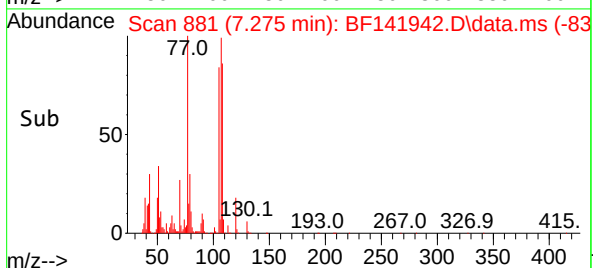
Ion Ratio Lower Upper

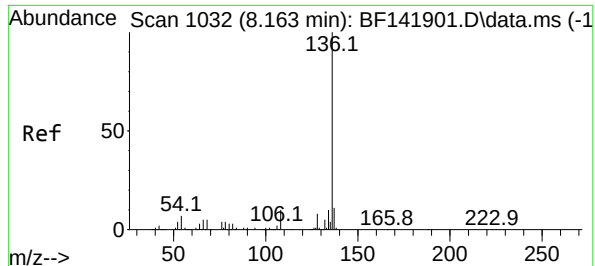
107 100

108 87.6 68.4 108.4

77 101.5 69.7 109.7

79 31.1 11.4 51.4





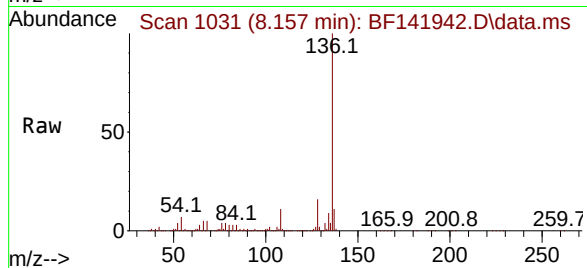
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.157 min Scan# 1031
Delta R.T. -0.006 min
Lab File: BF141942.D
Acq: 13 Mar 2025 13:47

Instrument :

BNA_F

ClientSampleId :

PB167097BSD

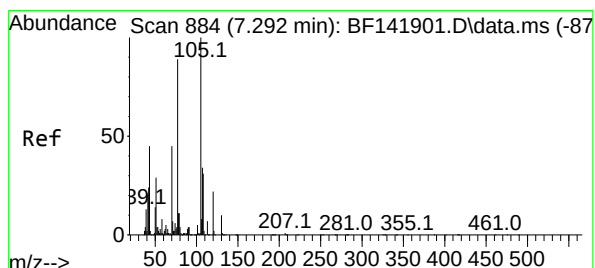
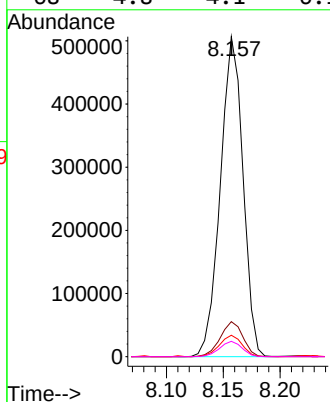
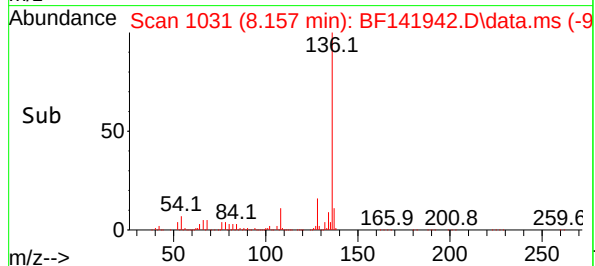


Tgt Ion:136 Resp: 70240
Ion Ratio Lower Upper
136 100
137 10.9 8.8 13.2
54 6.7 5.8 8.8
68 4.8 4.1 6.1

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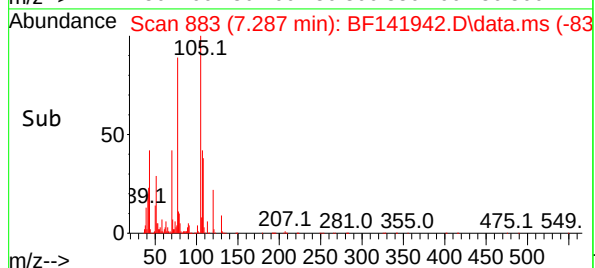
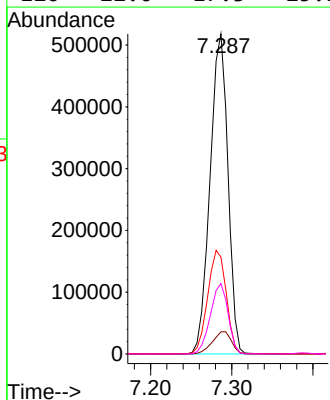
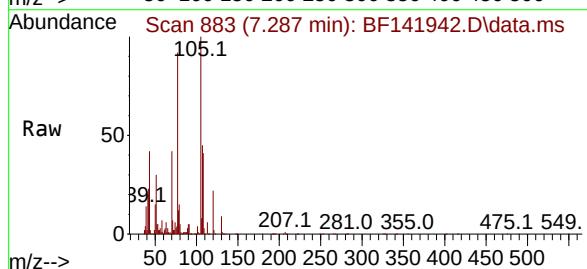
APPROVED

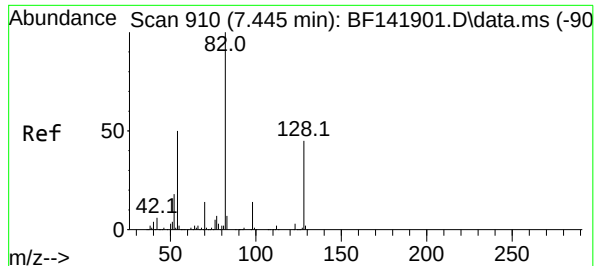
Reviewed By :Anahy Claudio 03/14/2025
Supervised By :Jagrut Upadhyay 03/14/2025



#22
Acetophenone
Concen: 47.151 ng
RT: 7.287 min Scan# 883
Delta R.T. -0.006 min
Lab File: BF141942.D
Acq: 13 Mar 2025 13:47

Tgt Ion:105 Resp: 793124
Ion Ratio Lower Upper
105 100
71 6.9 5.8 8.8
51 30.3 23.4 35.0
120 22.0 17.3 25.9





#23

Nitrobenzene-d5

Concen: 93.200 ng

RT: 7.439 min Scan# 909

Delta R.T. -0.006 min

Lab File: BF141942.D

Acq: 13 Mar 2025 13:47

Instrument :

BNA_F

ClientSampleId :

PB167097BSD

Tgt Ion: 82 Resp: 1163264

Ion Ratio Lower Upper

82 100

128 45.2 36.0 54.0

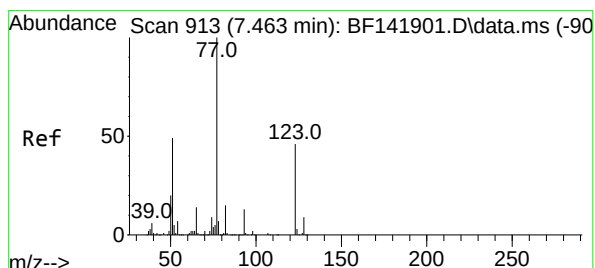
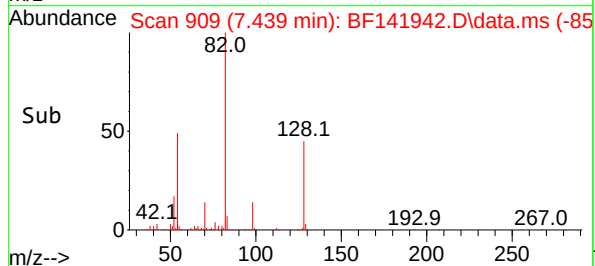
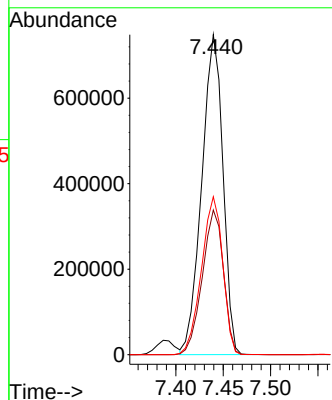
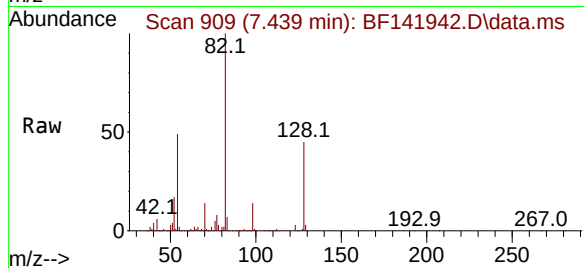
54 49.4 39.6 59.4

Manual Integrations

APPROVED

Reviewed By :Anahy Claudio 03/14/2025

Supervised By :Jagrut Upadhyay 03/14/2025



#24

Nitrobenzene

Concen: 43.637 ng

RT: 7.457 min Scan# 912

Delta R.T. -0.006 min

Lab File: BF141942.D

Acq: 13 Mar 2025 13:47

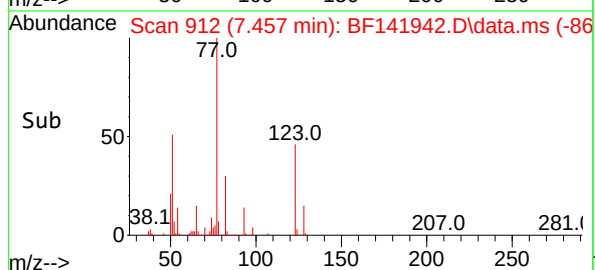
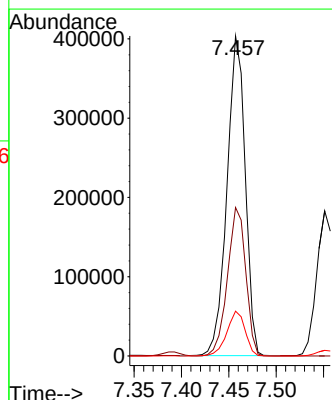
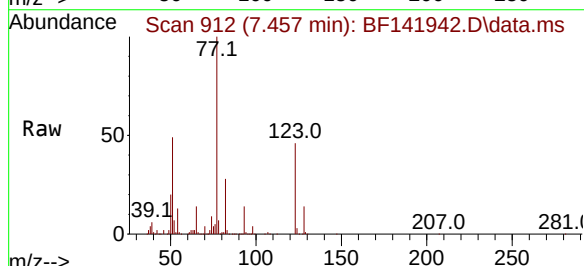
Tgt Ion: 77 Resp: 541451

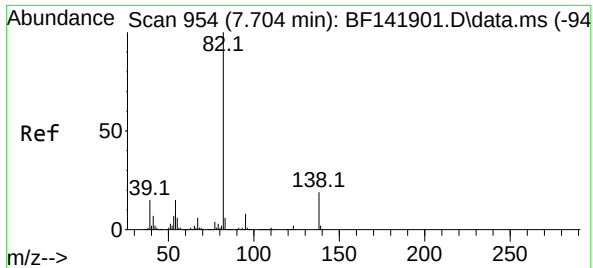
Ion Ratio Lower Upper

77 100

123 46.4 37.0 55.4

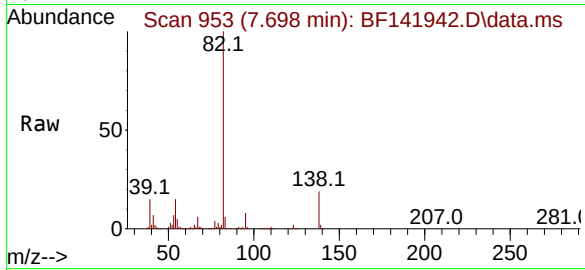
65 14.0 11.3 16.9





#25
Isophorone
Concen: 45.232 ng
RT: 7.698 min Scan# 91
Delta R.T. -0.006 min
Lab File: BF141942.D
Acq: 13 Mar 2025 13:47

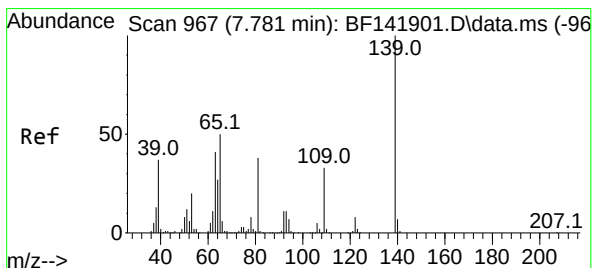
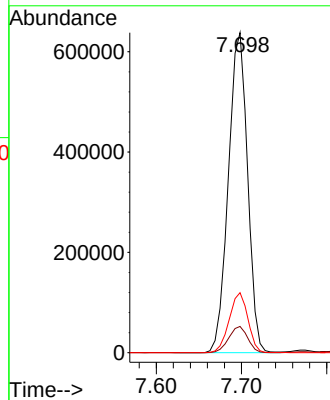
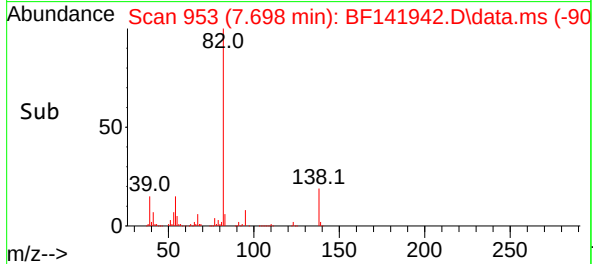
Instrument :
BNA_F
ClientSampleId :
PB167097BSD



Tgt Ion: 82 Resp: 997958
Ion Ratio Lower Upper
82 100
95 8.2 6.4 9.6
138 18.8 14.9 22.3

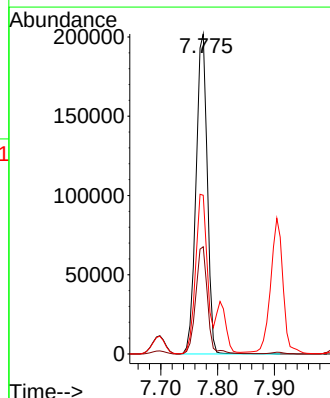
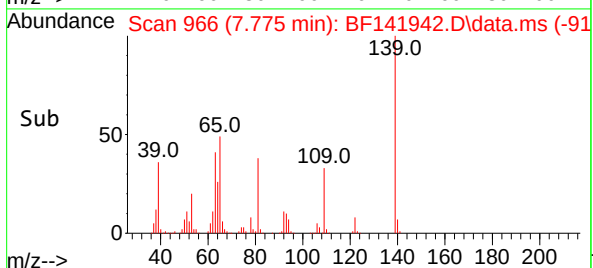
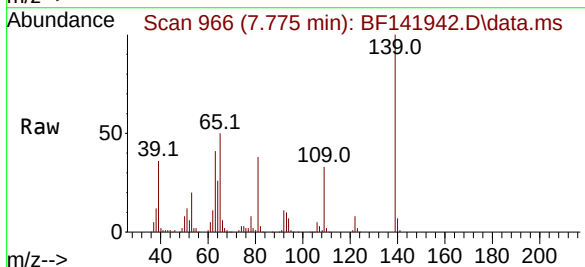
Manual Integrations
APPROVED

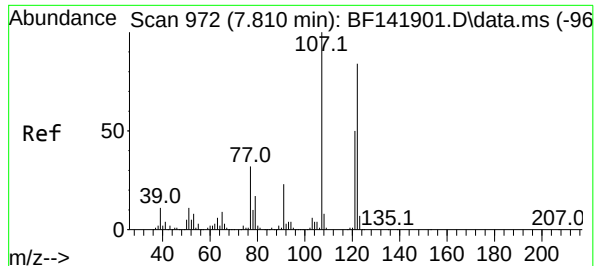
Reviewed By :Anahy Claudio 03/14/2025
Supervised By :Jagrut Upadhyay 03/14/2025



#26
2-Nitrophenol
Concen: 45.898 ng
RT: 7.775 min Scan# 966
Delta R.T. -0.006 min
Lab File: BF141942.D
Acq: 13 Mar 2025 13:47

Tgt Ion:139 Resp: 279514
Ion Ratio Lower Upper
139 100
109 33.5 26.5 39.7
65 49.6 40.3 60.5





#27

2,4-Dimethylphenol

Concen: 54.809 ng

RT: 7.804 min Scan# 91

Delta R.T. -0.006 min

Lab File: BF141942.D

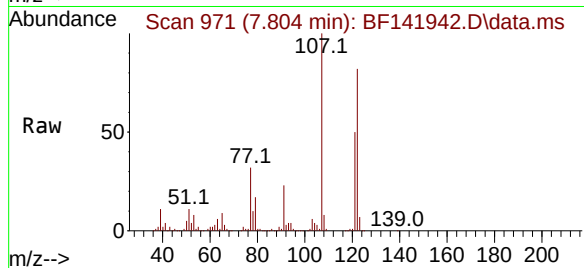
Acq: 13 Mar 2025 13:47

Instrument :

BNA_F

ClientSampleId :

PB167097BSD

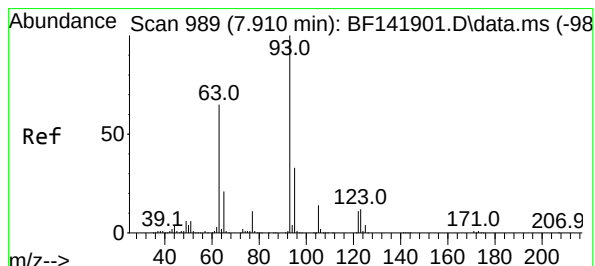
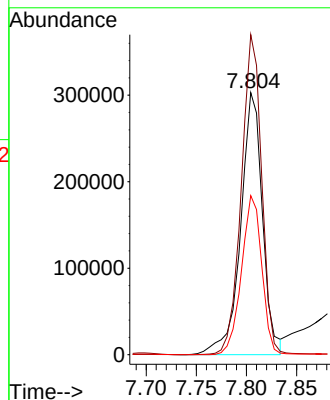
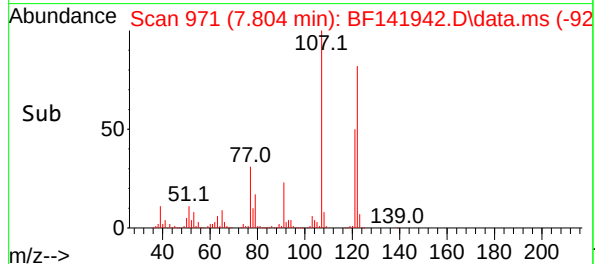


Tgt Ion:	122	Resp:	45959
Ion	Ratio	Lower	Upper
122	100		
107	122.1	94.8	142.2
121	60.7	47.8	71.6

Manual Integrations

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Reviewed By :Anahy Claudio 03/14/2025
Supervised By :Jagrut Upadhyay 03/14/2025



#28

bis(2-Chloroethoxy)methane

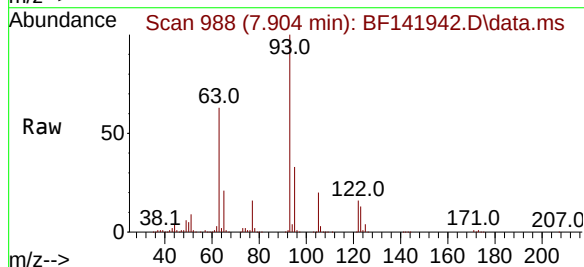
Concen: 42.665 ng

RT: 7.904 min Scan# 988

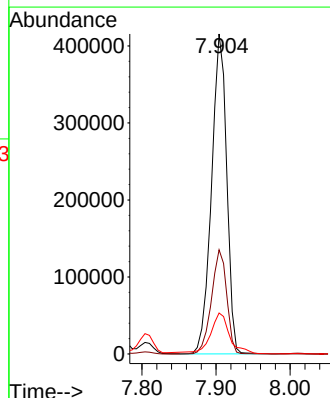
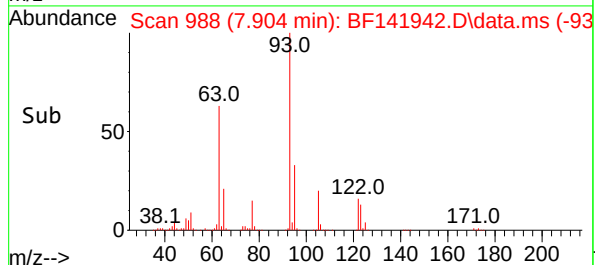
Delta R.T. -0.006 min

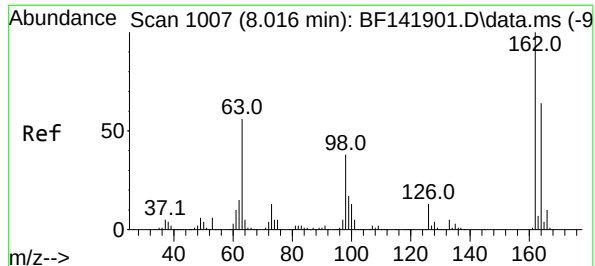
Lab File: BF141942.D

Acq: 13 Mar 2025 13:47



Tgt Ion:	93	Resp:	590404
Ion	Ratio	Lower	Upper
93	100		
95	32.6	26.6	40.0
123	12.8	10.2	15.4





#29

2,4-Dichlorophenol

Concen: 43.797 ng

RT: 8.010 min Scan# 1006

Delta R.T. -0.006 min

Lab File: BF141942.D

Acq: 13 Mar 2025 13:47

Instrument :

BNA_F

ClientSampleId :

PB167097BSD

Tgt Ion:162 Resp: 45585

Ion Ratio Lower Upper

162 100

164 64.6 43.8 83.8

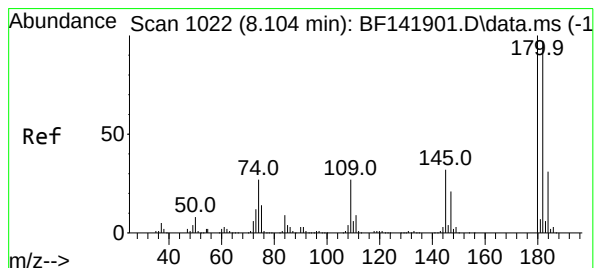
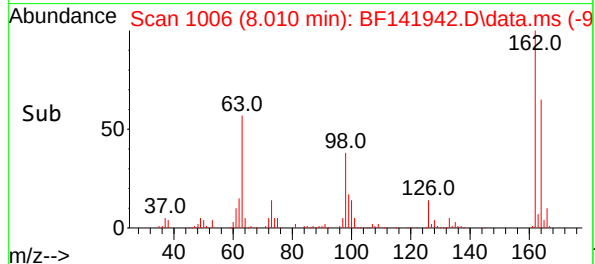
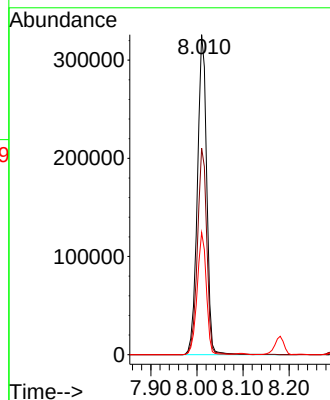
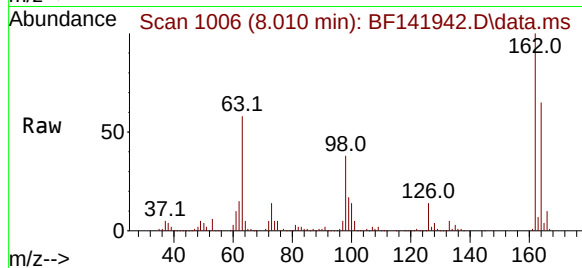
98 38.2 18.1 58.1

Manual Integrations

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Reviewed By :Anahy Claudio 03/14/2025

Supervised By :Jagrut Upadhyay 03/14/2025



#30

1,2,4-Trichlorobenzene

Concen: 43.176 ng

RT: 8.098 min Scan# 1021

Delta R.T. -0.006 min

Lab File: BF141942.D

Acq: 13 Mar 2025 13:47

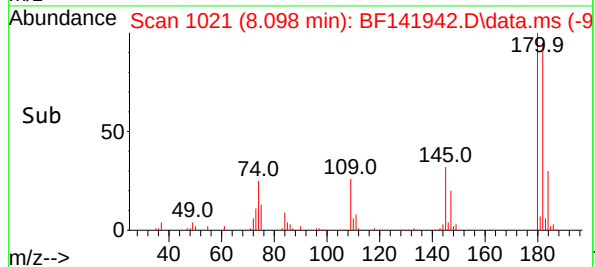
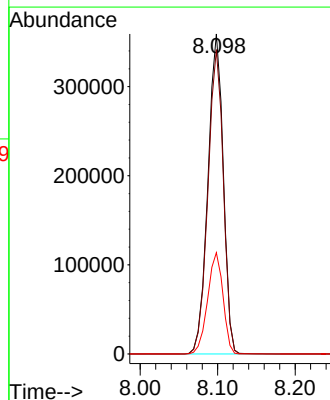
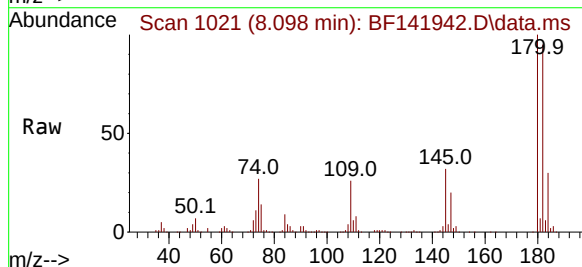
Tgt Ion:180 Resp: 495238

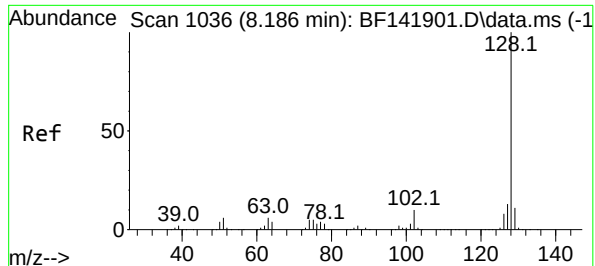
Ion Ratio Lower Upper

180 100

182 95.1 77.5 116.3

145 31.6 25.8 38.6





#31

Naphthalene

Concen: 42.138 ng

RT: 8.181 min Scan# 1035

Delta R.T. -0.006 min

Lab File: BF141942.D

Acq: 13 Mar 2025 13:47

Instrument :

BNA_F

ClientSampleId :

PB167097BSD

Tgt Ion:128 Resp: 1520400

Ion Ratio Lower Upper

128 100

129 11.2 9.0 13.6

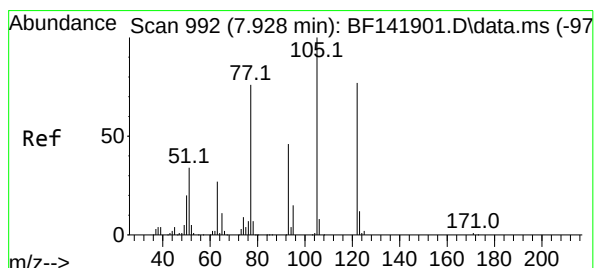
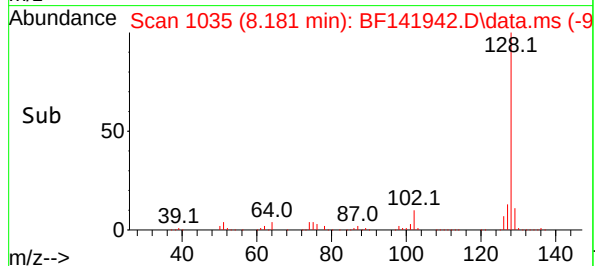
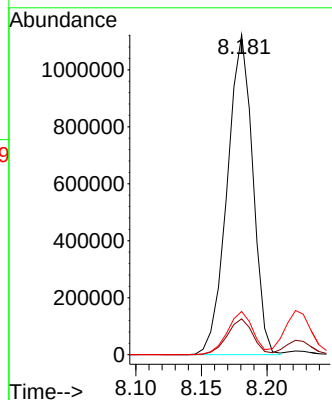
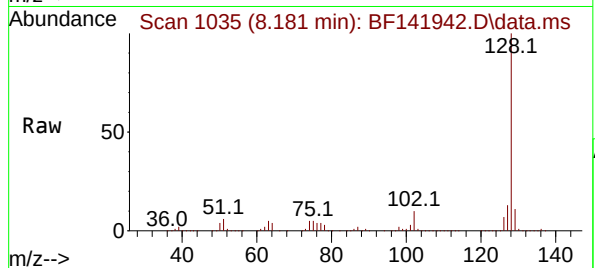
127 13.5 10.8 16.2

Manual Integrations

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Reviewed By :Anahy Claudio 03/14/2025

Supervised By :Jagrut Upadhyay 03/14/2025



#32

Benzoic acid

Concen: 52.090 ng

RT: 7.934 min Scan# 993

Delta R.T. 0.006 min

Lab File: BF141942.D

Acq: 13 Mar 2025 13:47

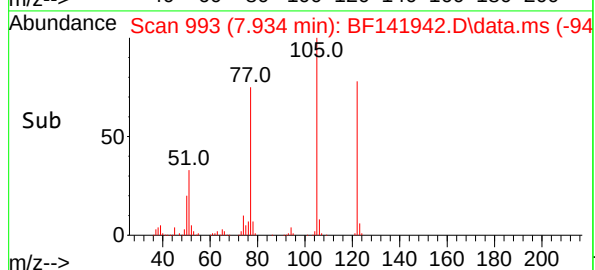
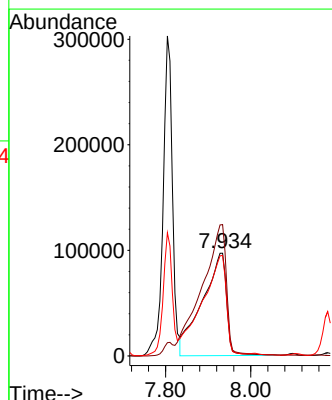
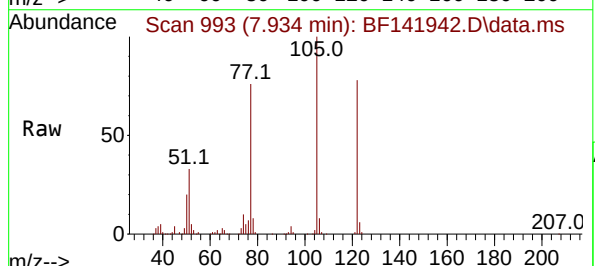
Tgt Ion:122 Resp: 383964

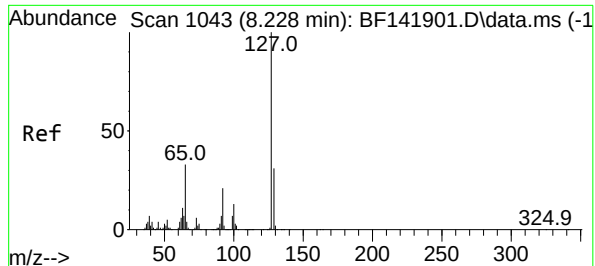
Ion Ratio Lower Upper

122 100

105 128.0 107.9 147.9

77 97.8 79.0 119.0





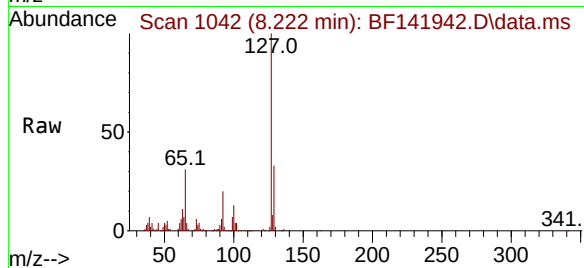
#33
4-Chloroaniline
Concen: 18.162 ng
RT: 8.222 min Scan# 1042
Delta R.T. -0.006 min
Lab File: BF141942.D
Acq: 13 Mar 2025 13:47

Instrument :

BNA_F

ClientSampleId :

PB167097BSD

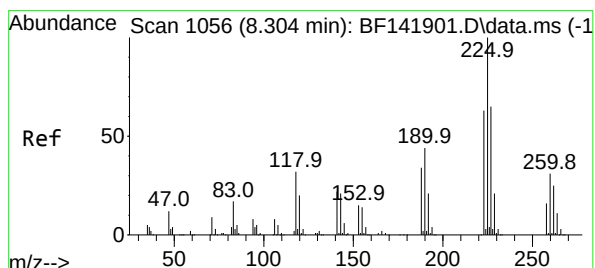
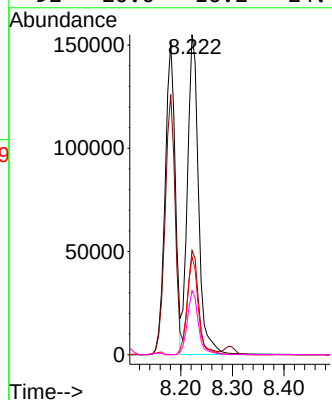
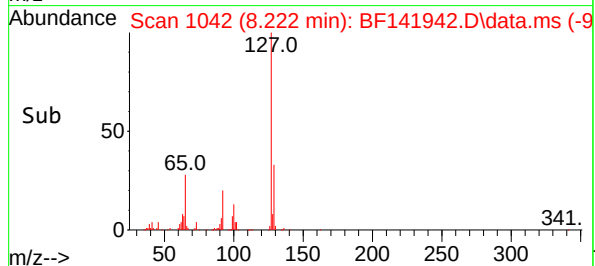


Tgt Ion:127 Resp: 23132
Ion Ratio Lower Upper
127 100
129 32.6 26.2 39.4
65 30.5 25.4 38.2
92 20.0 16.2 24.4

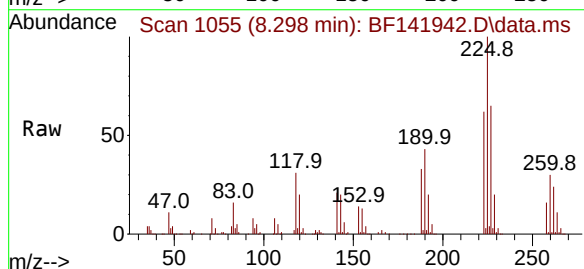
Manual Integrations

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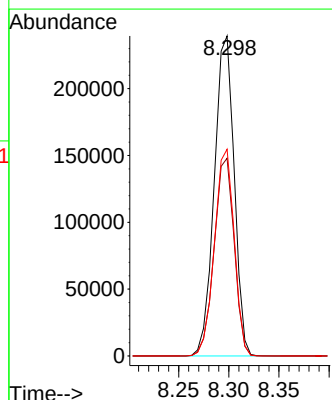
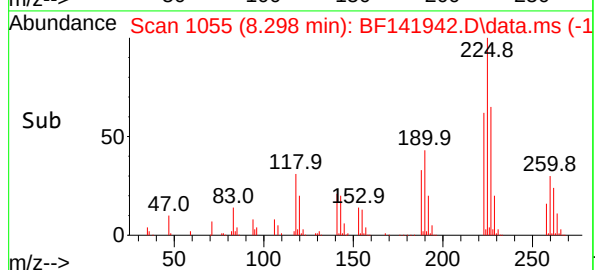
Reviewed By :Anahy Claudio 03/14/2025
Supervised By :Jagrut Upadhyay 03/14/2025

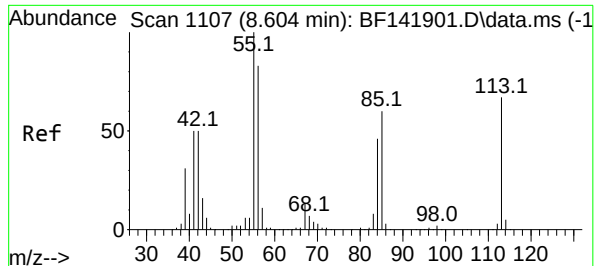


#34
Hexachlorobutadiene
Concen: 44.109 ng
RT: 8.298 min Scan# 1055
Delta R.T. -0.006 min
Lab File: BF141942.D
Acq: 13 Mar 2025 13:47



Tgt Ion:225 Resp: 329952
Ion Ratio Lower Upper
225 100
223 61.8 50.6 75.8
227 64.6 52.2 78.2





#35

Caprolactam

Concen: 48.870 ng m

RT: 8.598 min Scan# 1106

Delta R.T. -0.006 min

Lab File: BF141942.D

Acq: 13 Mar 2025 13:47

Instrument :

BNA_F

ClientSampleId :

PB167097BSD

Tgt Ion:113 Resp: 155078

Ion Ratio Lower Upper

113 100

55 141.1 129.6 169.6

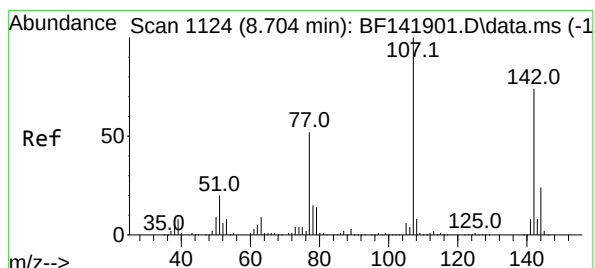
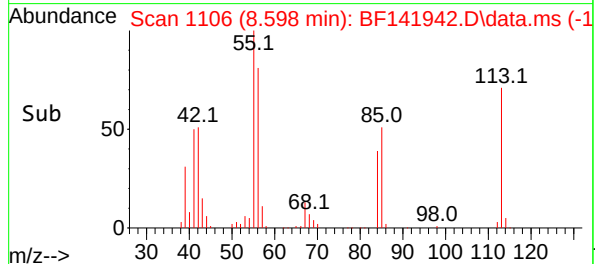
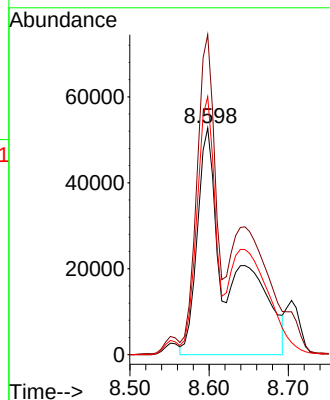
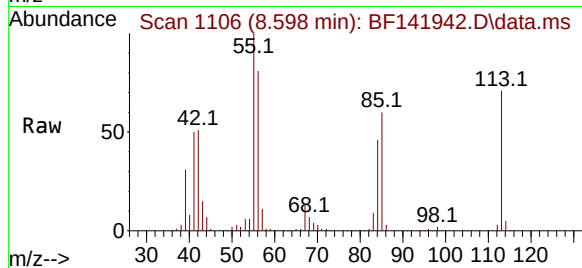
56 113.8 104.0 144.0

Manual Integrations

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Reviewed By :Anahy Claudio 03/14/2025

Supervised By :Jagrut Upadhyay 03/14/2025



#36

4-Chloro-3-methylphenol

Concen: 43.084 ng

RT: 8.704 min Scan# 1124

Delta R.T. 0.000 min

Lab File: BF141942.D

Acq: 13 Mar 2025 13:47

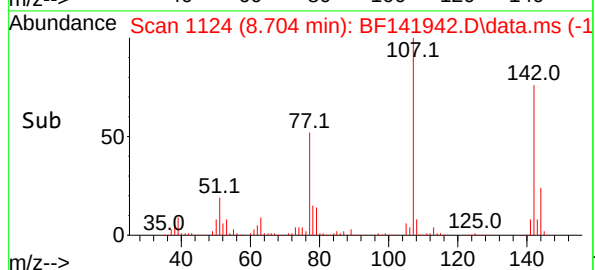
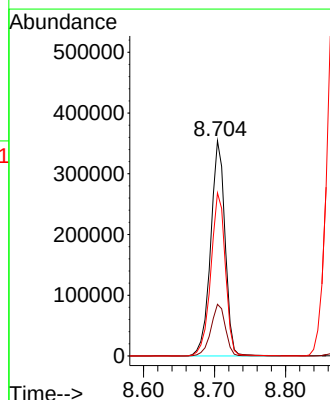
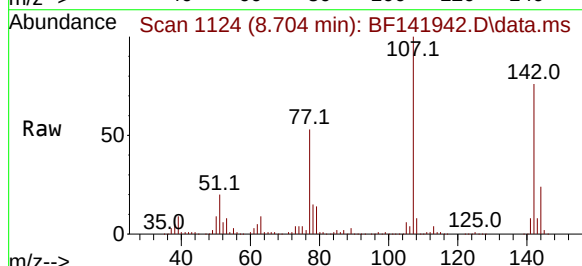
Tgt Ion:107 Resp: 500230

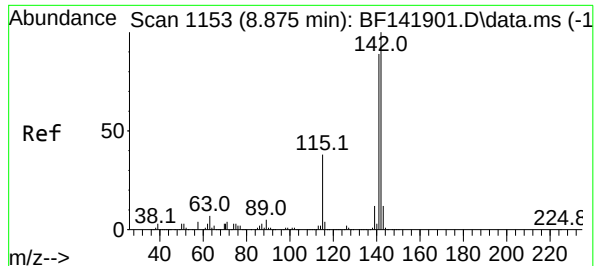
Ion Ratio Lower Upper

107 100

144 24.1 19.0 28.6

142 75.8 59.2 88.8





#37

2-Methylnaphthalene

Concen: 41.506 ng

RT: 8.869 min Scan# 1153

Delta R.T. -0.006 min

Lab File: BF141942.D

Acq: 13 Mar 2025 13:47

Instrument :

BNA_F

ClientSampleId :

PB167097BSD

Tgt Ion:142 Resp: 1001009

Ion Ratio Lower Upper

142 100

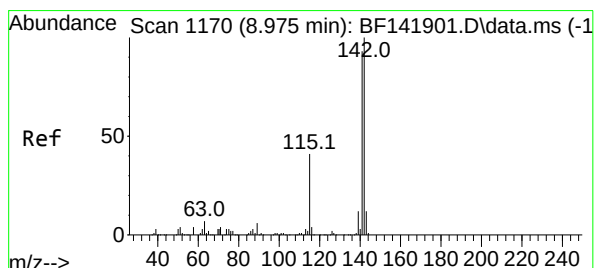
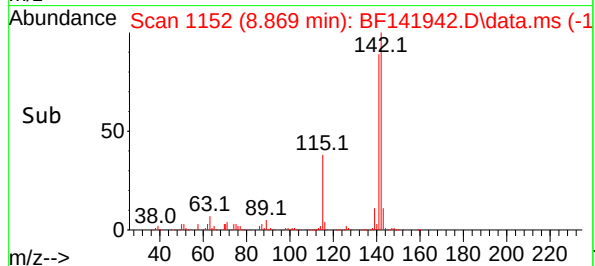
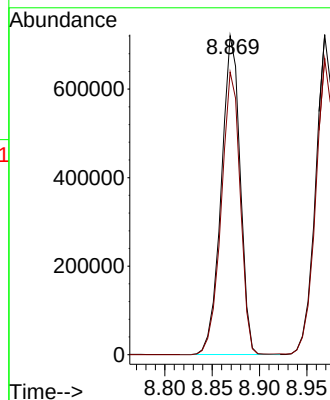
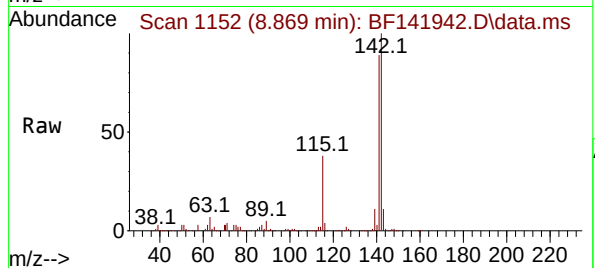
141 88.7 71.2 106.8

Manual Integrations

APPROVED

Reviewed By :Anahy Claudio 03/14/2025

Supervised By :Jagrut Upadhyay 03/14/2025



#38

1-Methylnaphthalene

Concen: 41.853 ng

RT: 8.969 min Scan# 1169

Delta R.T. -0.006 min

Lab File: BF141942.D

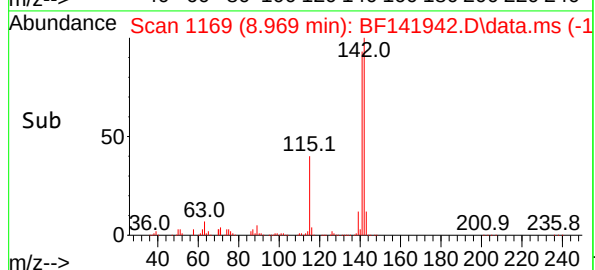
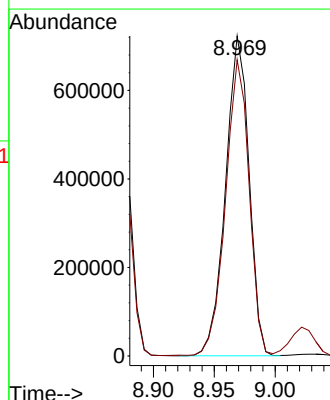
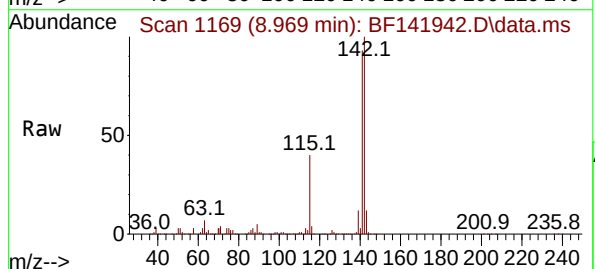
Acq: 13 Mar 2025 13:47

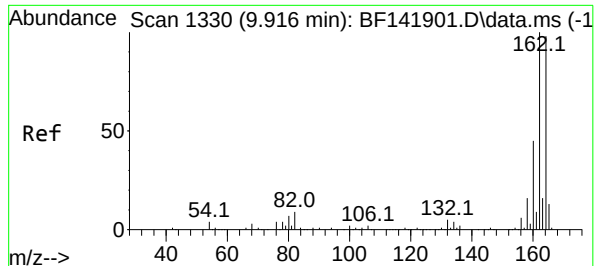
Tgt Ion:142 Resp: 974037

Ion Ratio Lower Upper

142 100

141 92.5 74.2 111.4





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.916 min Scan# 1181

Delta R.T. -0.000 min

Lab File: BF141942.D

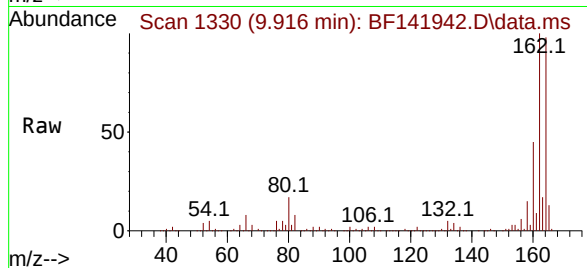
Acq: 13 Mar 2025 13:47

Instrument :

BNA_F

ClientSampleId :

PB167097BSD



Tgt Ion:164 Resp: 401749

Ion Ratio Lower Upper

164 100

162 101.8 81.8 122.6

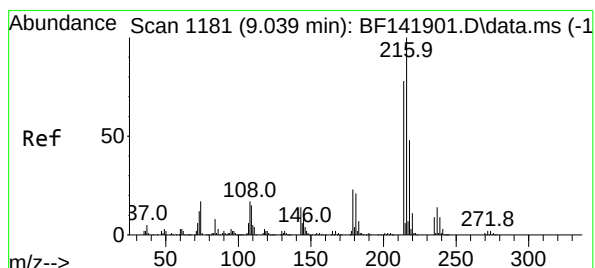
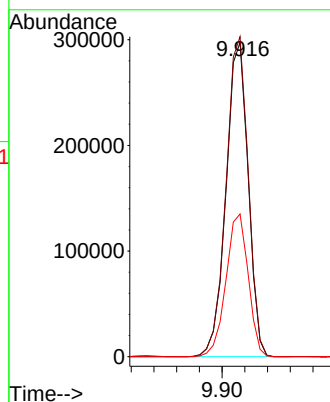
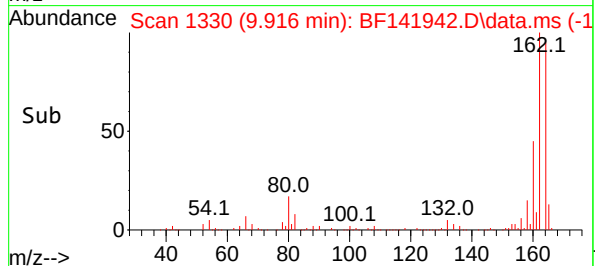
160 45.4 36.7 55.1

Manual Integrations

APPROVED

Reviewed By :Anahy Claudio 03/14/2025

Supervised By :Jagrut Upadhyay 03/14/2025



#40

1,2,4,5-Tetrachlorobenzene

Concen: 47.688 ng

RT: 9.039 min Scan# 1181

Delta R.T. 0.000 min

Lab File: BF141942.D

Acq: 13 Mar 2025 13:47

Tgt Ion:216 Resp: 583297

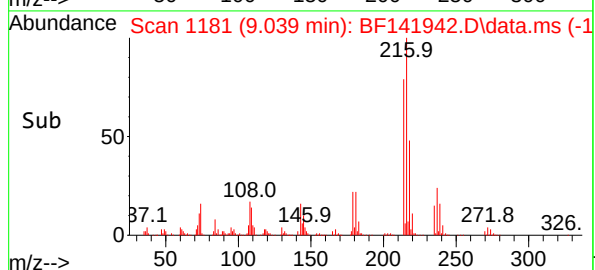
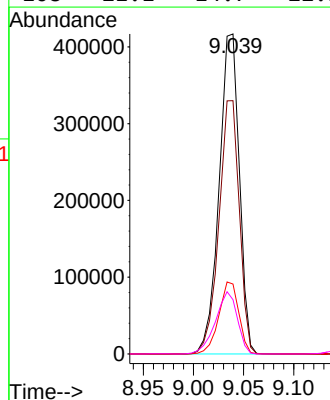
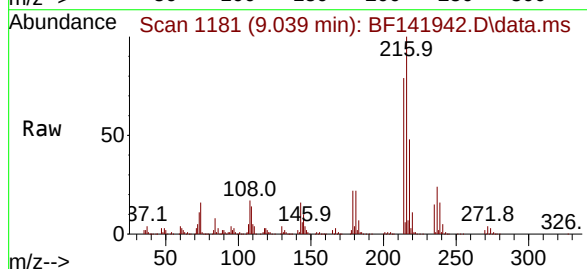
Ion Ratio Lower Upper

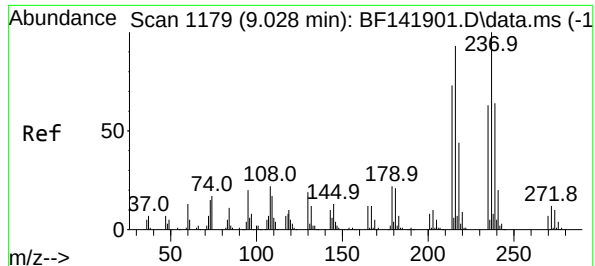
216 100

214 79.7 61.9 92.9

179 22.2 18.1 27.1

108 21.1 14.7 22.1





#41

Hexachlorocyclopentadiene

Concen: 164.521 ng

RT: 9.022 min Scan# 1179

Delta R.T. -0.006 min

Lab File: BF141942.D

Acq: 13 Mar 2025 13:47

Instrument :

BNA_F

ClientSampleId :

PB167097BSD

Tgt Ion:237 Resp: 78755

Ion Ratio Lower Upper

237 100

235 63.1 43.1 83.1

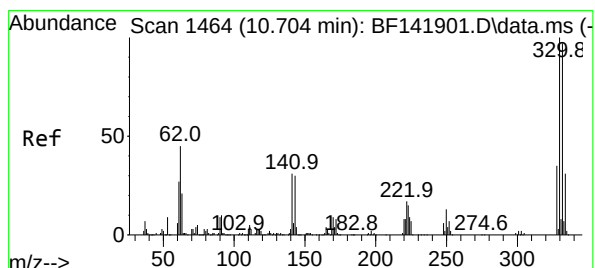
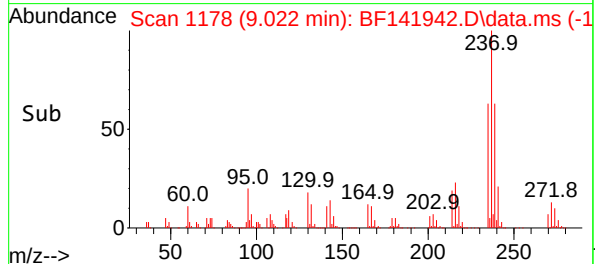
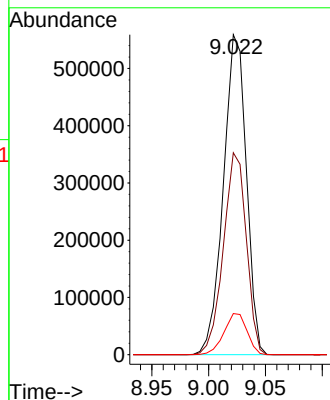
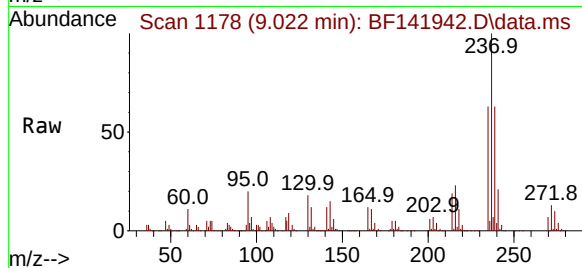
272 12.9 0.0 32.0

Manual Integrations

APPROVED

Reviewed By :Anahy Claudio 03/14/2025

Supervised By :Jagrut Upadhyay 03/14/2025



#42

2,4,6-Tribromophenol

Concen: 151.406 ng

RT: 10.704 min Scan# 1464

Delta R.T. 0.000 min

Lab File: BF141942.D

Acq: 13 Mar 2025 13:47

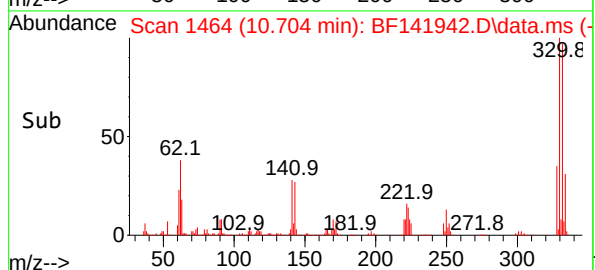
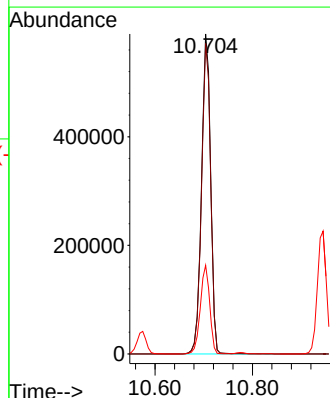
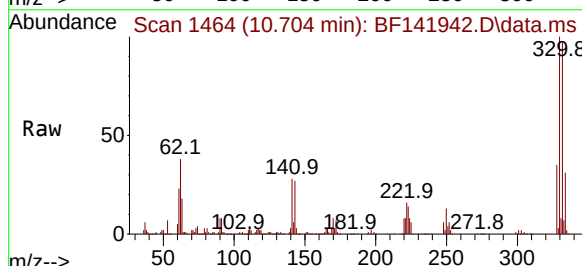
Tgt Ion:330 Resp: 771672

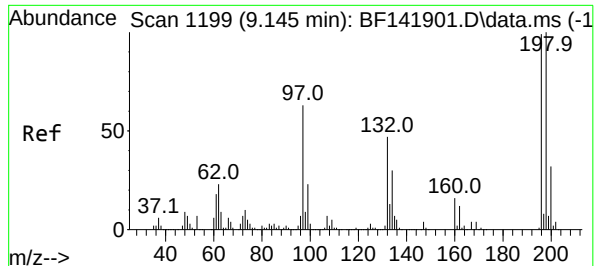
Ion Ratio Lower Upper

330 100

332 97.0 77.6 116.4

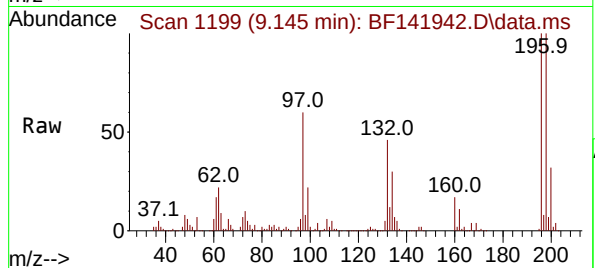
141 28.4 24.7 37.1





#43
2,4,6-Trichlorophenol
Concen: 45.123 ng
RT: 9.145 min Scan# 1199
Delta R.T. 0.000 min
Lab File: BF141942.D
Acq: 13 Mar 2025 13:47

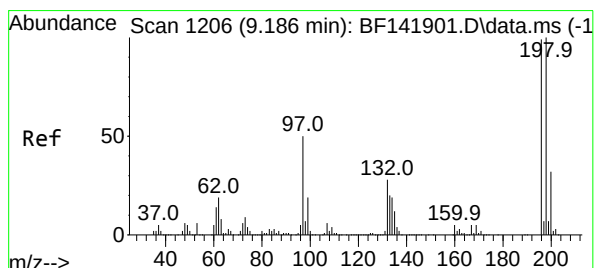
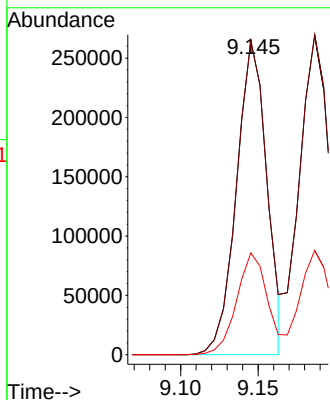
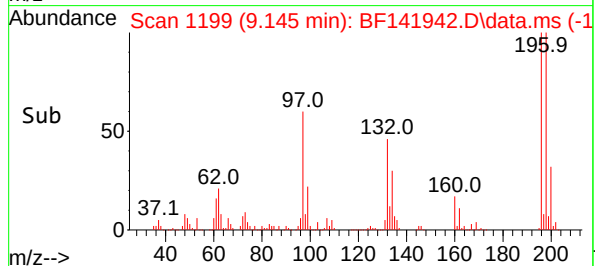
Instrument :
BNA_F
ClientSampleId :
PB167097BSD



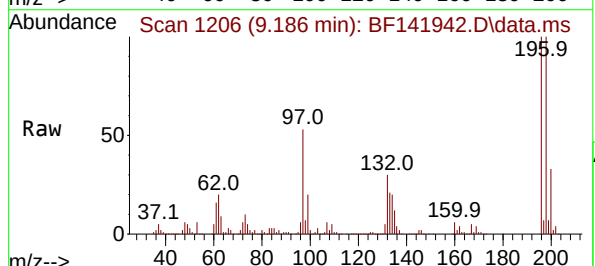
Tgt Ion:196 Resp: 36070
Ion Ratio Lower Upper
196 100
198 99.8 80.6 121.0
200 32.4 25.8 38.6

Manual Integrations
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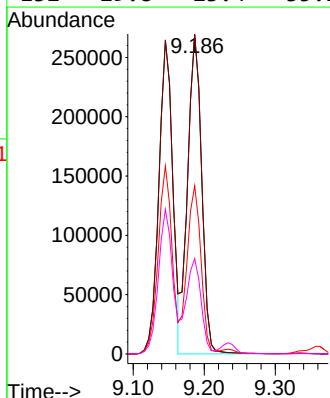
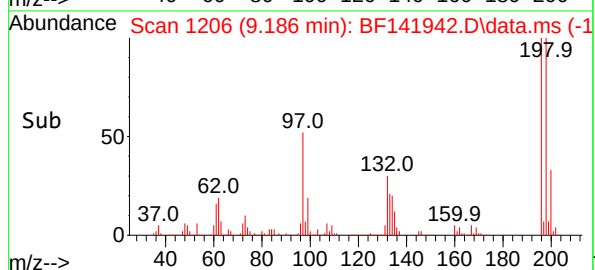
Reviewed By :Anahy Claudio 03/14/2025
Supervised By :Jagrut Upadhyay 03/14/2025

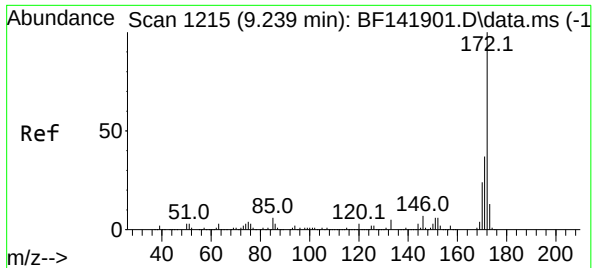


#44
2,4,5-Trichlorophenol
Concen: 45.703 ng
RT: 9.186 min Scan# 1206
Delta R.T. 0.000 min
Lab File: BF141942.D
Acq: 13 Mar 2025 13:47



Tgt Ion:196 Resp: 370018
Ion Ratio Lower Upper
196 100
198 100.3 80.7 121.1
97 52.7 42.1 63.1
132 29.8 23.4 35.2





#45

2-Fluorobiphenyl

Concen: 93.823 ng

RT: 9.233 min Scan# 1215

Delta R.T. -0.006 min

Lab File: BF141942.D

Acq: 13 Mar 2025 13:47

Instrument :

BNA_F

ClientSampleId :

PB167097BSD

Tgt Ion:172 Resp: 2478502

Ion Ratio Lower Upper

172 100

171 36.5 29.3 43.9

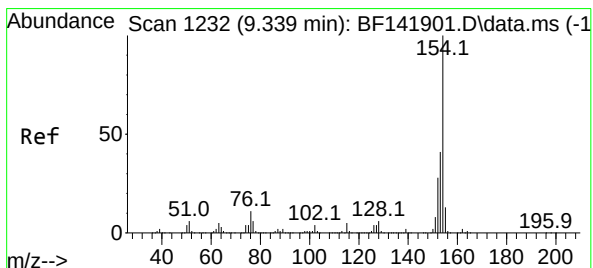
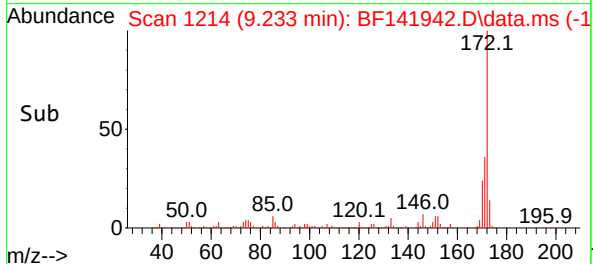
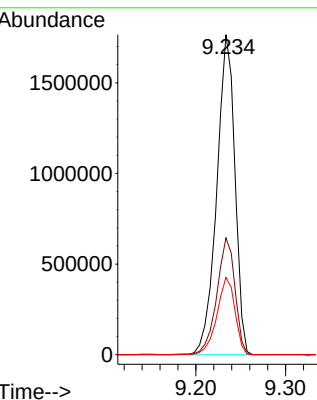
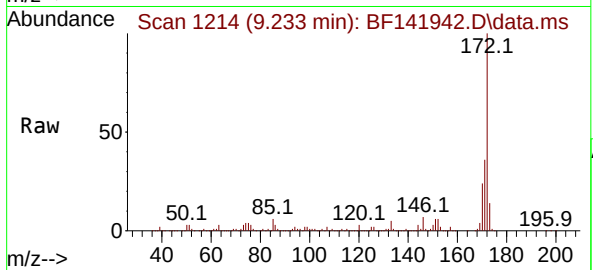
170 24.2 19.4 29.0

Manual Integrations

APPROVED

Reviewed By :Anahy Claudio 03/14/2025

Supervised By :Jagrut Upadhyay 03/14/2025



#46

1,1'-Biphenyl

Concen: 47.967 ng

RT: 9.334 min Scan# 1231

Delta R.T. -0.006 min

Lab File: BF141942.D

Acq: 13 Mar 2025 13:47

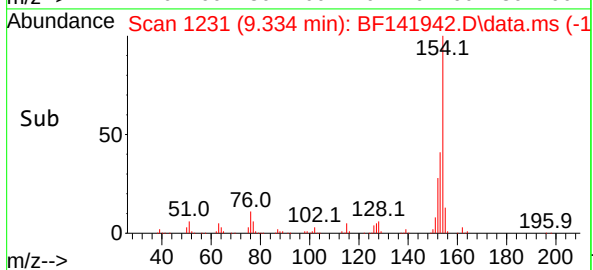
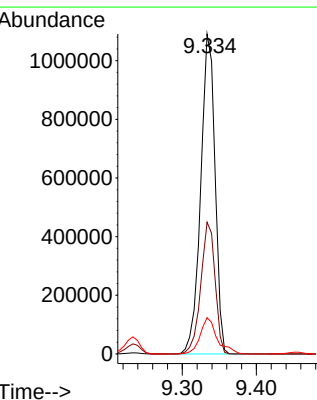
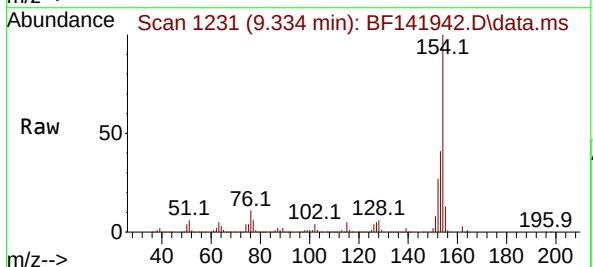
Tgt Ion:154 Resp: 1464225

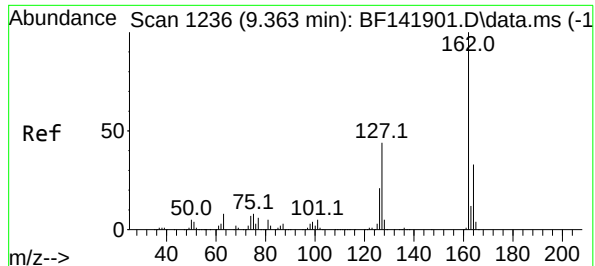
Ion Ratio Lower Upper

154 100

153 41.2 21.1 61.1

76 11.3 0.0 31.3





#47

2-Chloronaphthalene

Concen: 43.696 ng

RT: 9.363 min Scan# 1236

Delta R.T. 0.000 min

Lab File: BF141942.D

Acq: 13 Mar 2025 13:47

Instrument :

BNA_F

ClientSampleId :

PB167097BSD

Tgt Ion:162 Resp: 994179

Ion Ratio Lower Upper

162 100

127 43.6 35.5 53.3

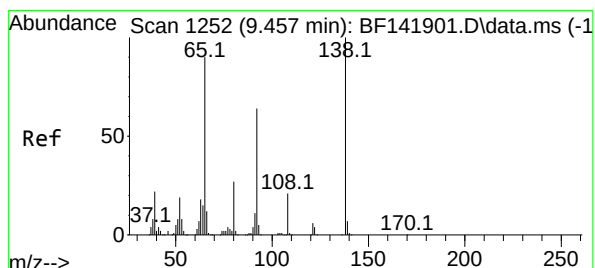
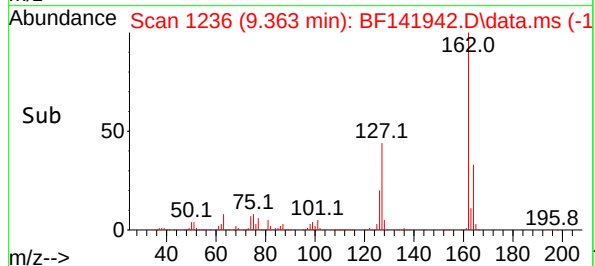
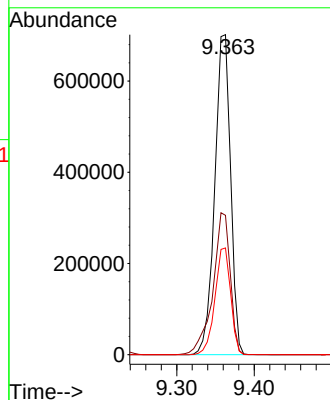
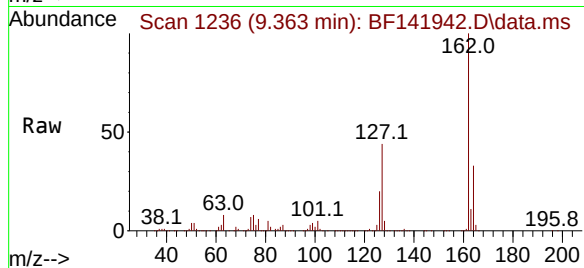
164 33.4 26.6 40.0

Manual Integrations

APPROVED

Reviewed By :Anahy Claudio 03/14/2025

Supervised By :Jagrut Upadhyay 03/14/2025



#48

2-Nitroaniline

Concen: 45.243 ng

RT: 9.451 min Scan# 1251

Delta R.T. -0.006 min

Lab File: BF141942.D

Acq: 13 Mar 2025 13:47

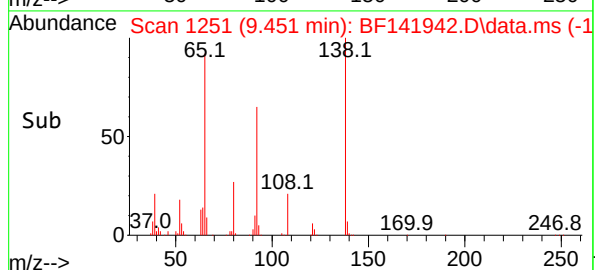
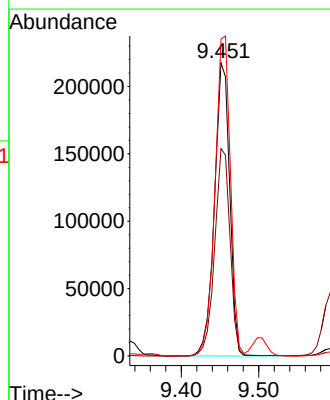
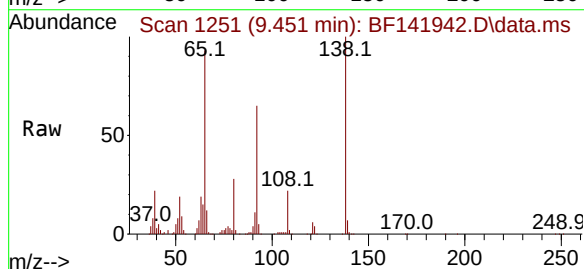
Tgt Ion: 65 Resp: 298045

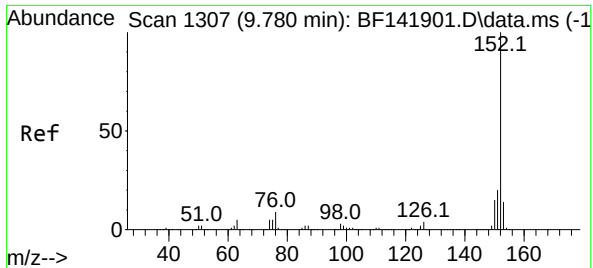
Ion Ratio Lower Upper

65 100

92 70.7 56.6 84.8

138 108.1 88.6 133.0





#49

Acenaphthylene

Concen: 46.120 ng

RT: 9.775 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF141942.D

Acq: 13 Mar 2025 13:47

Instrument :

BNA_F

ClientSampleId :

PB167097BSD

Tgt Ion:152 Resp: 1557169

Ion Ratio Lower Upper

152 100

151 20.5 16.3 24.5

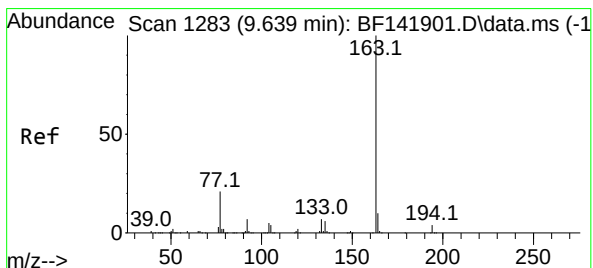
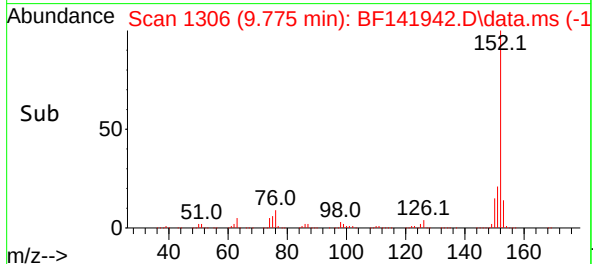
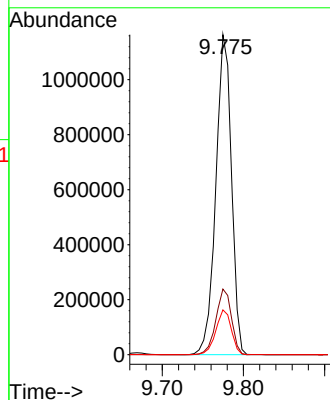
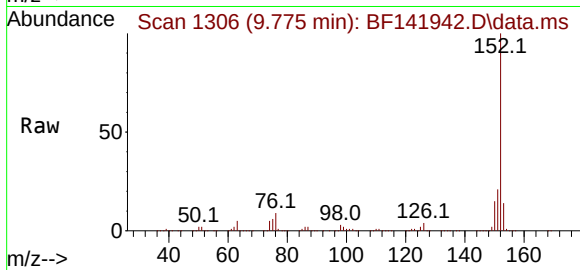
153 14.0 11.1 16.7

Manual Integrations

APPROVED

Reviewed By :Anahy Claudio 03/14/2025

Supervised By :Jagrut Upadhyay 03/14/2025



#50

Dimethylphthalate

Concen: 42.463 ng

RT: 9.639 min Scan# 1283

Delta R.T. 0.000 min

Lab File: BF141942.D

Acq: 13 Mar 2025 13:47

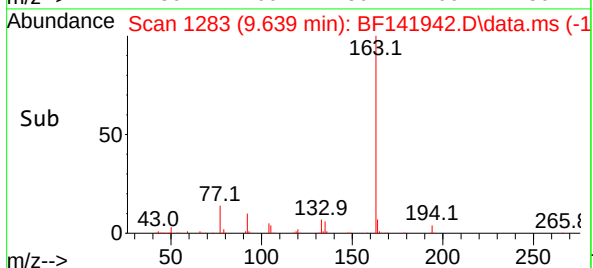
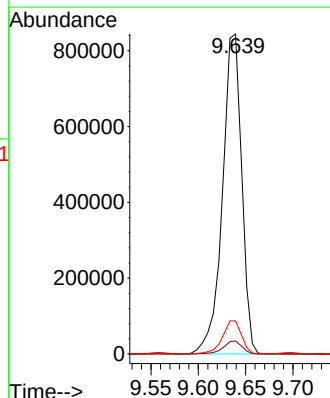
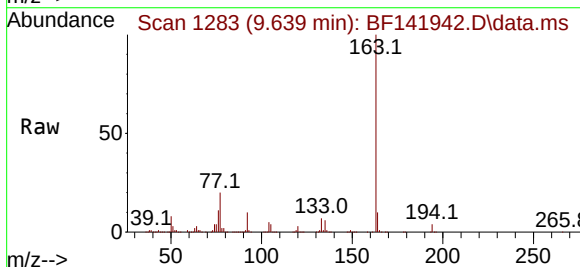
Tgt Ion:163 Resp: 1194632

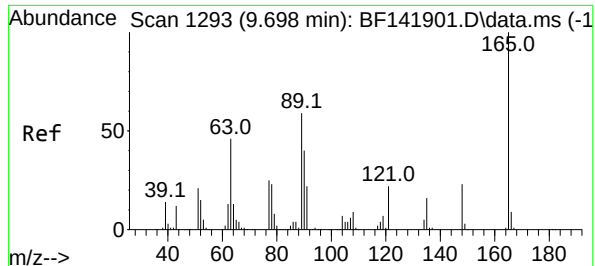
Ion Ratio Lower Upper

163 100

194 4.1 3.1 4.7

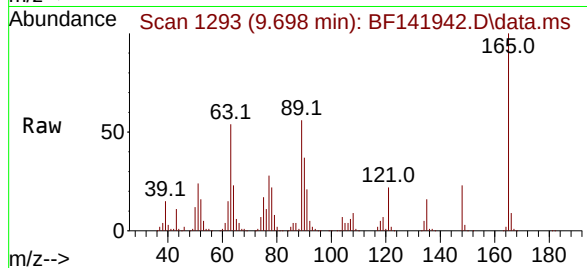
164 10.3 8.2 12.4





#51
2,6-Dinitrotoluene
Concen: 44.989 ng
RT: 9.698 min Scan# 1293
Delta R.T. 0.000 min
Lab File: BF141942.D
Acq: 13 Mar 2025 13:47

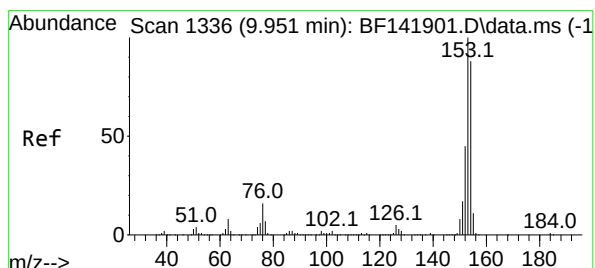
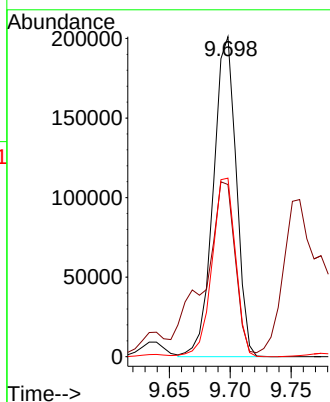
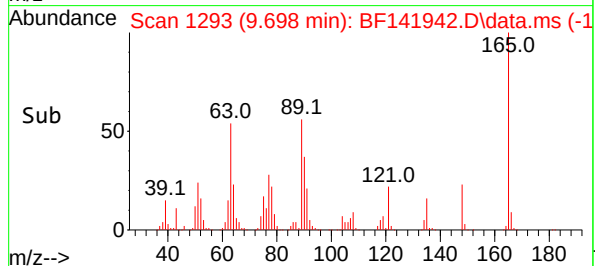
Instrument :
BNA_F
ClientSampleId :
PB167097BSD



Tgt Ion:165 Resp: 263529
Ion Ratio Lower Upper
165 100
63 53.8 47.0 70.4
89 55.8 47.4 71.2

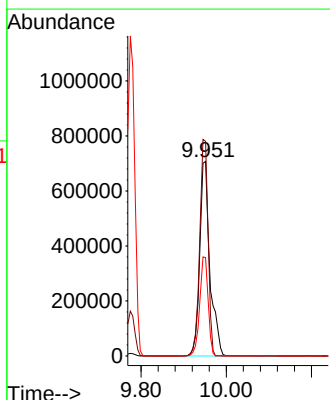
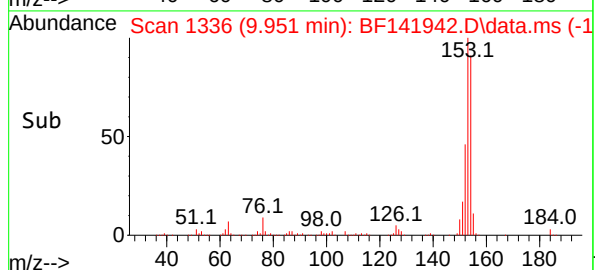
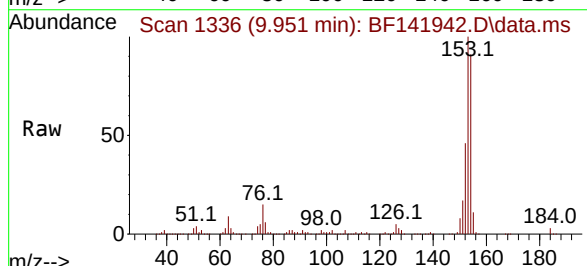
Manual Integrations
APPROVED

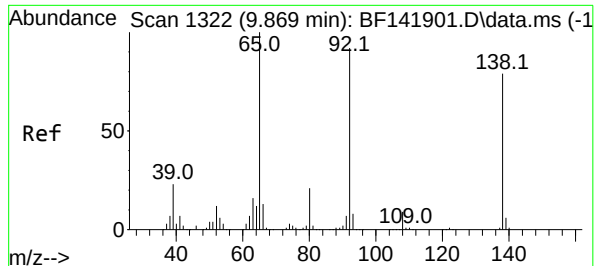
Reviewed By :Anahy Claudio 03/14/2025
Supervised By :Jagrut Upadhyay 03/14/2025



#52
Acenaphthene
Concen: 49.639 ng
RT: 9.951 min Scan# 1336
Delta R.T. 0.000 min
Lab File: BF141942.D
Acq: 13 Mar 2025 13:47

Tgt Ion:154 Resp: 1177793
Ion Ratio Lower Upper
154 100
153 110.4 90.7 136.1
152 50.6 41.1 61.7





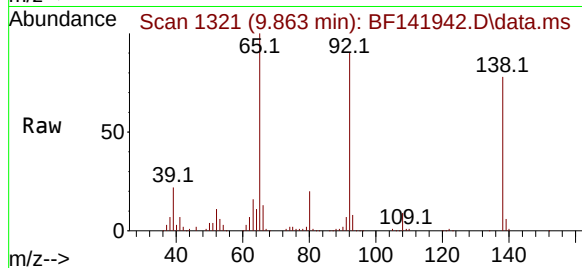
#53
3-Nitroaniline
Concen: 26.841 ng
RT: 9.863 min Scan# 1321
Delta R.T. -0.006 min
Lab File: BF141942.D
Acq: 13 Mar 2025 13:47

Instrument :

BNA_F

ClientSampleId :

PB167097BSD

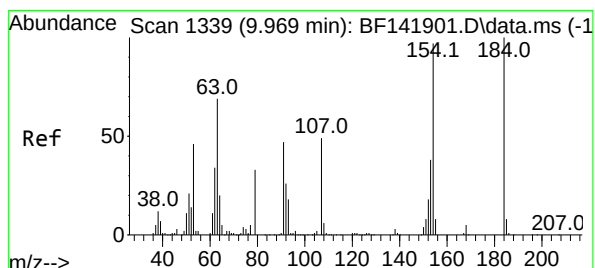
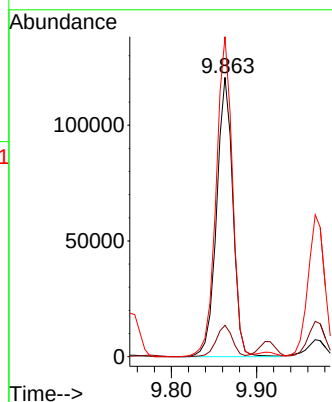
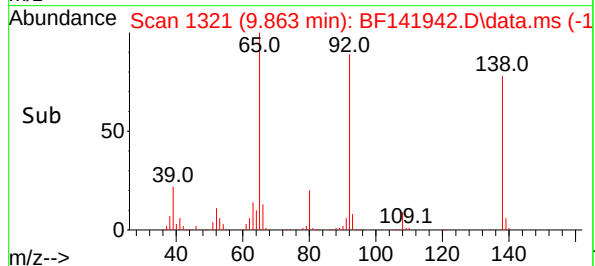


Tgt Ion:138 Resp: 159480
Ion Ratio Lower Upper
138 100
108 11.2 9.3 13.9
92 114.6 93.5 140.3

Manual Integrations

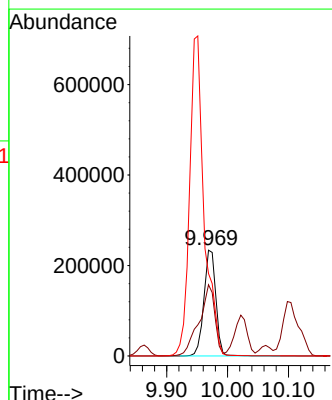
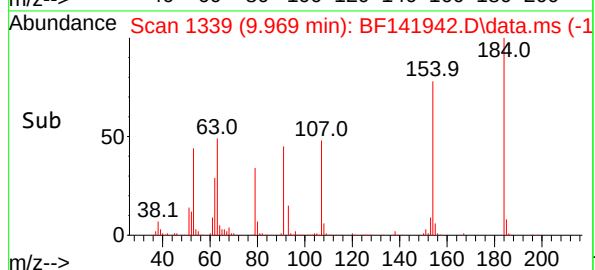
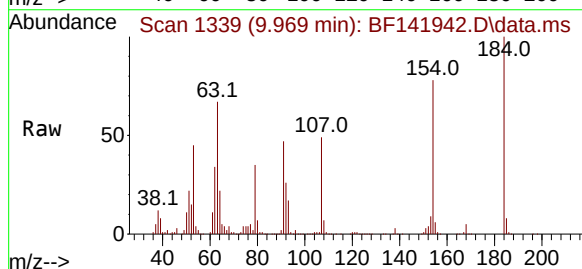
APPROVED

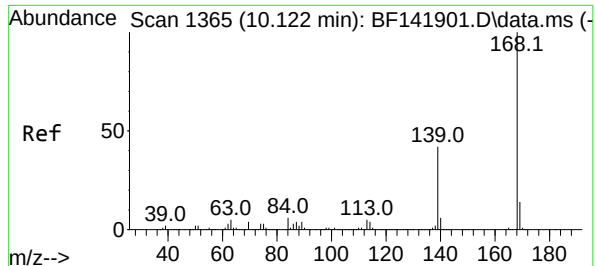
Reviewed By :Anahy Claudio 03/14/2025
Supervised By :Jagrut Upadhyay 03/14/2025



#54
2,4-Dinitrophenol
Concen: 94.980 ng
RT: 9.969 min Scan# 1339
Delta R.T. -0.000 min
Lab File: BF141942.D
Acq: 13 Mar 2025 13:47

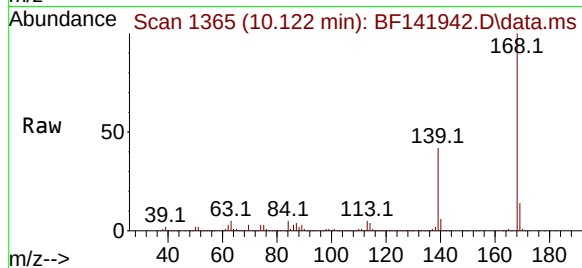
Tgt Ion:184 Resp: 320573
Ion Ratio Lower Upper
184 100
63 67.3 60.2 90.4
154 77.9 132.9 199.3#





#55
Dibenzenofuran
Concen: 42.011 ng
RT: 10.122 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF141942.D
Acq: 13 Mar 2025 13:47

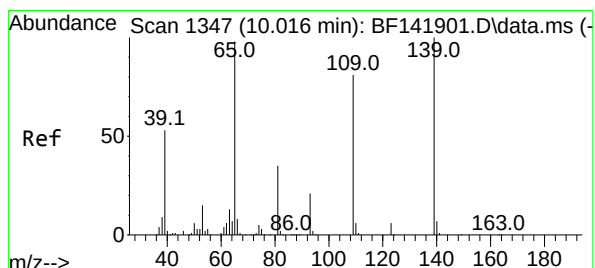
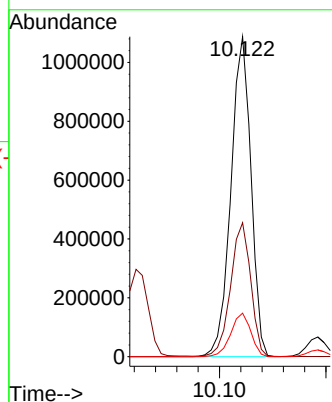
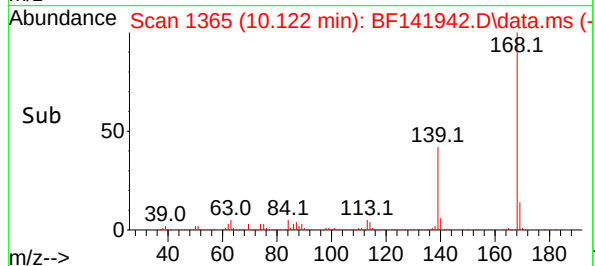
Instrument :
BNA_F
ClientSampleId :
PB167097BSD



Tgt Ion:168 Resp: 142432
Ion Ratio Lower Upper
168 100
139 41.8 33.9 50.9
169 13.6 11.0 16.4

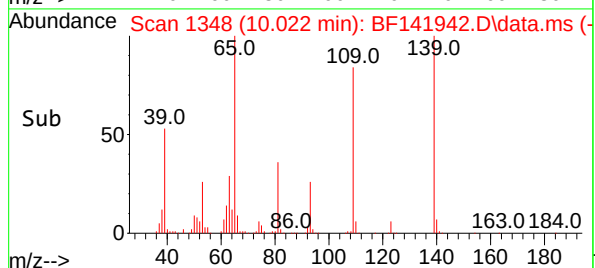
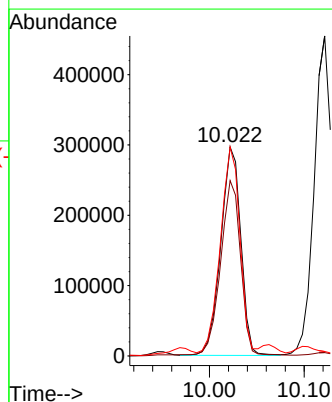
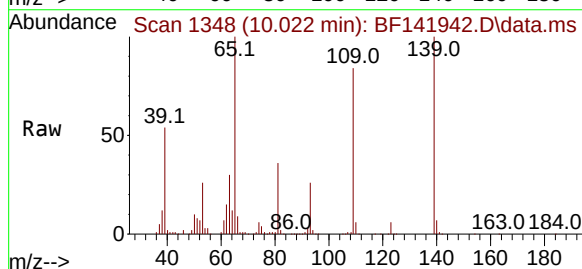
Manual Integrations
APPROVED

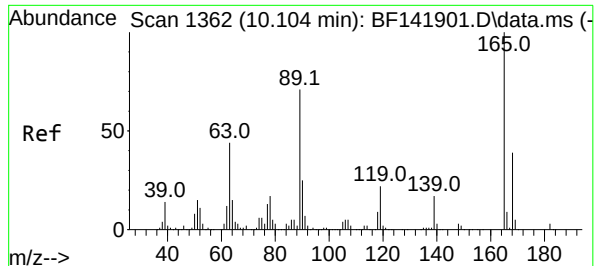
Reviewed By :Anahy Claudio 03/14/2025
Supervised By :Jagrut Upadhyay 03/14/2025



#56
4-Nitrophenol
Concen: 97.292 ng
RT: 10.022 min Scan# 1348
Delta R.T. 0.006 min
Lab File: BF141942.D
Acq: 13 Mar 2025 13:47

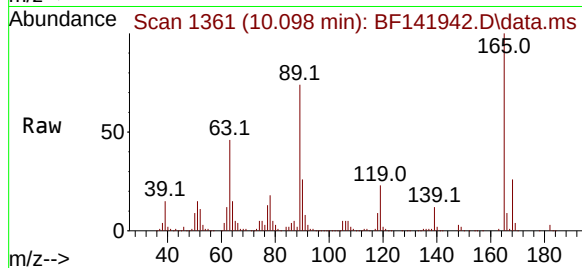
Tgt Ion:139 Resp: 435956
Ion Ratio Lower Upper
139 100
109 83.9 61.6 101.6
65 100.0 79.4 119.4





#57
2,4-Dinitrotoluene
Concen: 47.038 ng
RT: 10.098 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF141942.D
Acq: 13 Mar 2025 13:47

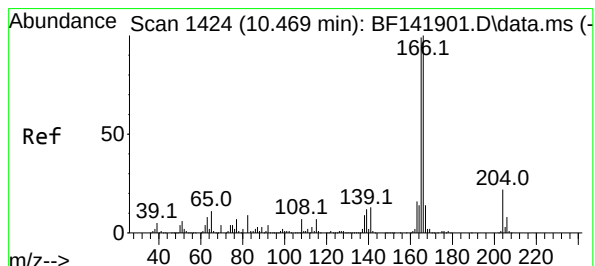
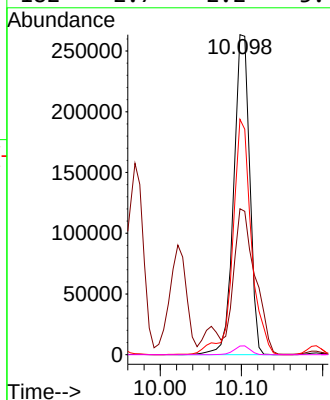
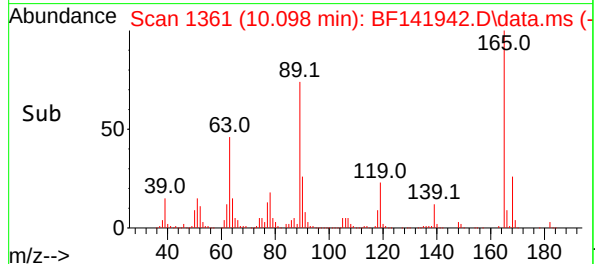
Instrument :
BNA_F
ClientSampleId :
PB167097BSD



Tgt Ion:165 Resp: 359870
Ion Ratio Lower Upper
165 100
63 45.6 35.4 53.2
89 73.6 56.6 84.8
182 2.7 2.2 3.4

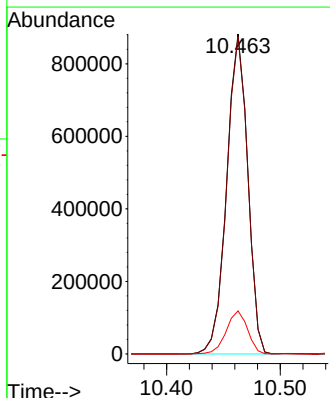
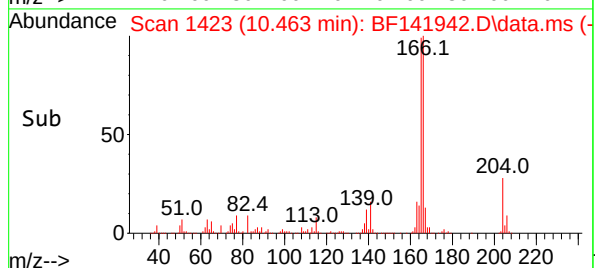
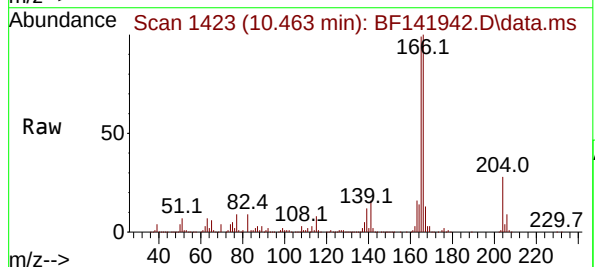
Manual Integrations
APPROVED

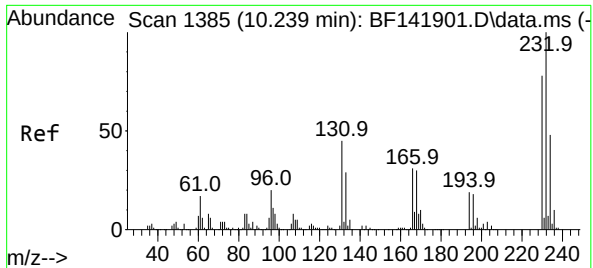
Reviewed By :Anahy Claudio 03/14/2025
Supervised By :Jagrut Upadhyay 03/14/2025



#58
Fluorene
Concen: 43.467 ng
RT: 10.463 min Scan# 1423
Delta R.T. -0.006 min
Lab File: BF141942.D
Acq: 13 Mar 2025 13:47

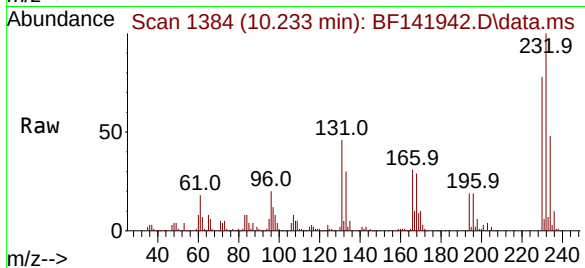
Tgt Ion:166 Resp: 1136451
Ion Ratio Lower Upper
166 100
165 99.2 79.0 118.4
167 13.4 11.0 16.4





#59
2,3,4,6-Tetrachlorophenol
Concen: 43.930 ng
RT: 10.233 min Scan# 1384
Delta R.T. -0.006 min
Lab File: BF141942.D
Acq: 13 Mar 2025 13:47

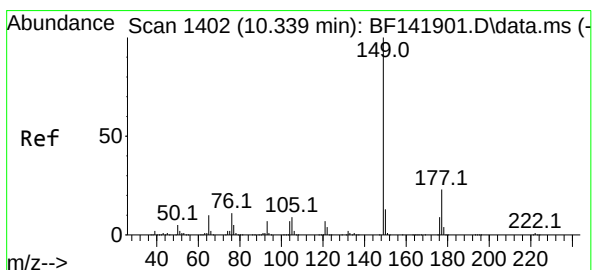
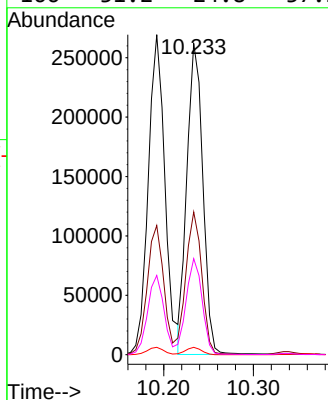
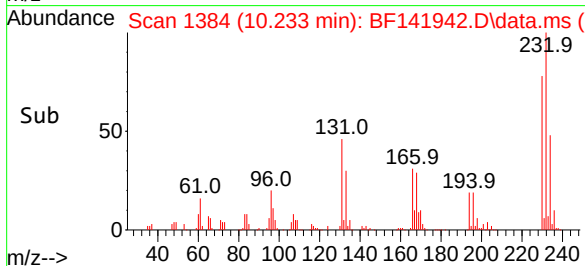
Instrument :
BNA_F
ClientSampleId :
PB167097BSD



Tgt Ion:232 Resp: 323640
Ion Ratio Lower Upper
232 100
131 46.4 37.3 55.9
130 2.4 1.9 2.9
166 31.2 24.8 37.2

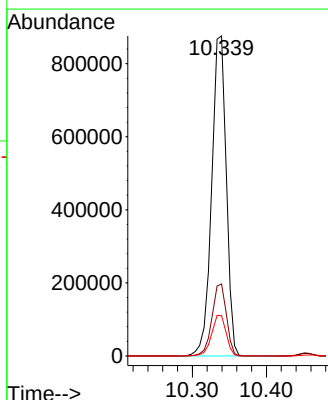
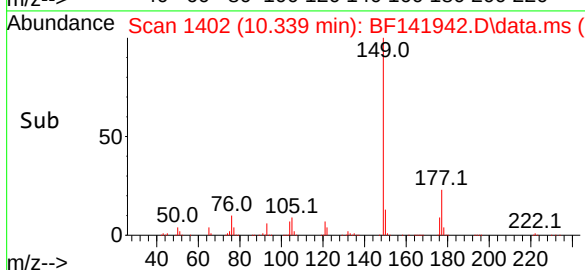
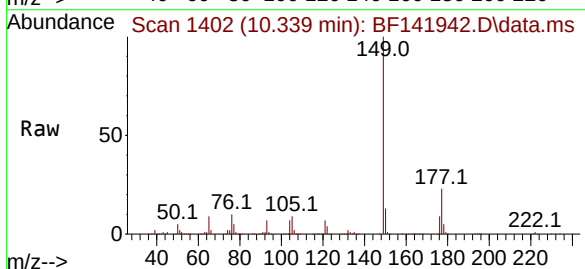
Manual Integrations
APPROVED

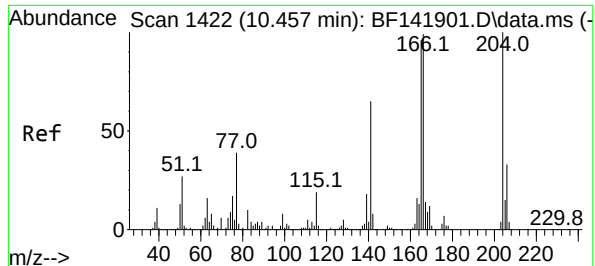
Reviewed By :Anahy Claudio 03/14/2025
Supervised By :Jagrut Upadhyay 03/14/2025



#60
Diethylphthalate
Concen: 42.727 ng
RT: 10.339 min Scan# 1402
Delta R.T. 0.000 min
Lab File: BF141942.D
Acq: 13 Mar 2025 13:47

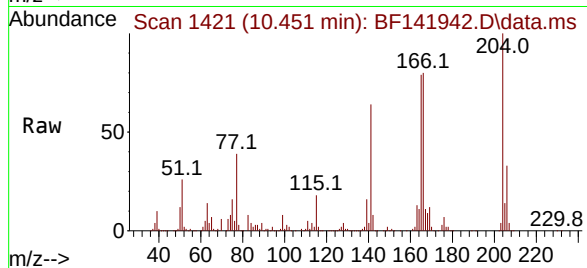
Tgt Ion:149 Resp: 1198598
Ion Ratio Lower Upper
149 100
177 22.5 18.0 27.0
150 12.6 10.2 15.4





#61
4-Chlorophenyl-phenylether
Concen: 43.631 ng
RT: 10.451 min Scan# 1422
Delta R.T. -0.006 min
Lab File: BF141942.D
Acq: 13 Mar 2025 13:47

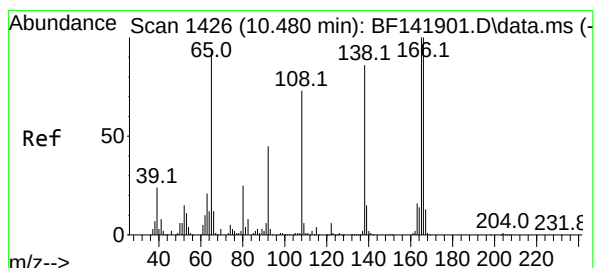
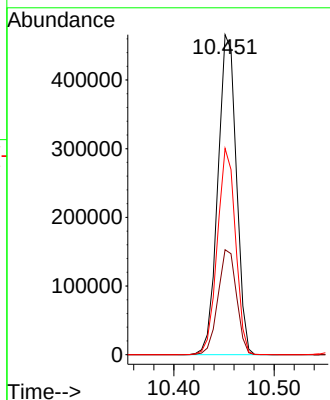
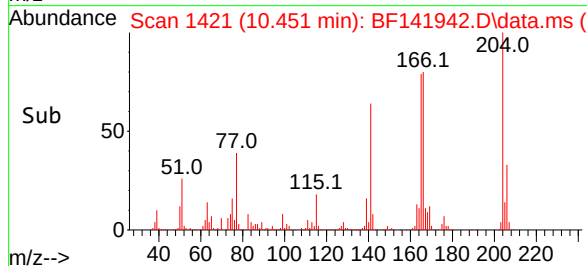
Instrument :
BNA_F
ClientSampleId :
PB167097BSD



Tgt Ion:204 Resp: 594729
Ion Ratio Lower Upper
204 100
206 32.8 26.8 40.2
141 64.4 52.4 78.6

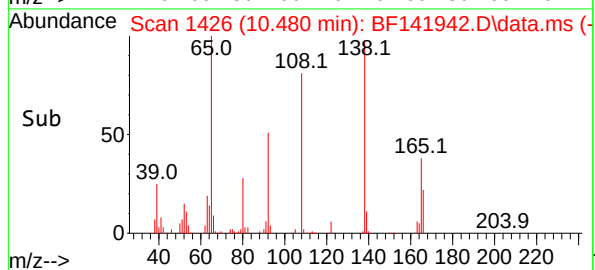
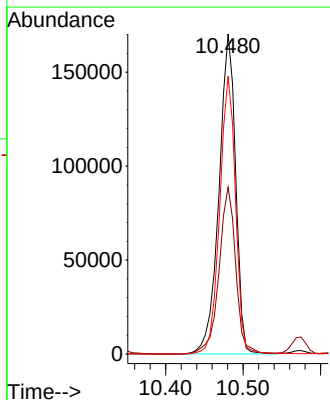
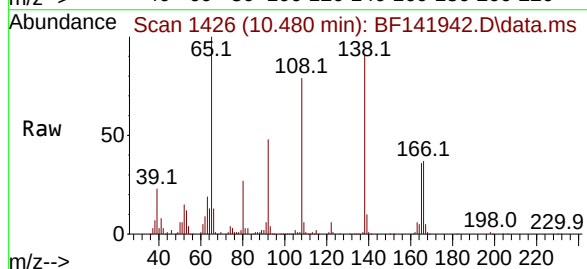
Manual Integrations
APPROVED

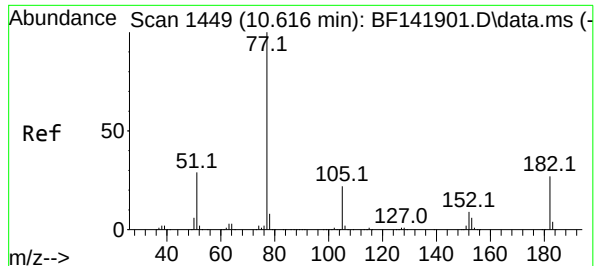
Reviewed By :Anahy Claudio 03/14/2025
Supervised By :Jagrut Upadhyay 03/14/2025



#62
4-Nitroaniline
Concen: 44.221 ng
RT: 10.480 min Scan# 1426
Delta R.T. 0.000 min
Lab File: BF141942.D
Acq: 13 Mar 2025 13:47

Tgt Ion:138 Resp: 255806
Ion Ratio Lower Upper
138 100
92 52.1 32.6 72.6
108 86.8 65.0 105.0





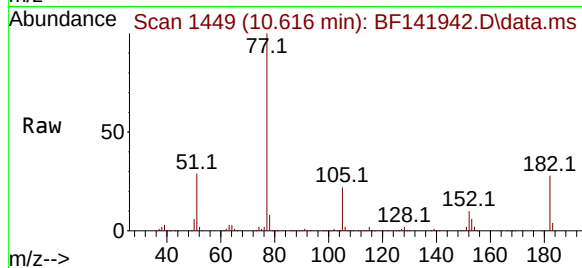
#63
Azobenzene
Concen: 41.795 ng
RT: 10.616 min Scan# 1449
Delta R.T. 0.000 min
Lab File: BF141942.D
Acq: 13 Mar 2025 13:47

Instrument :

BNA_F

ClientSampleId :

PB167097BSD

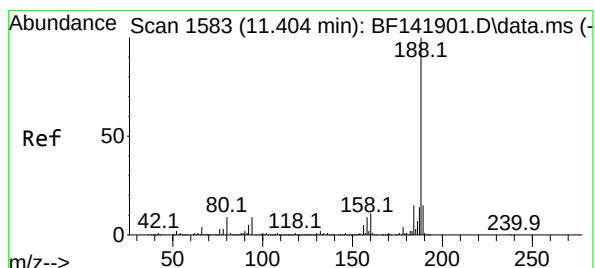
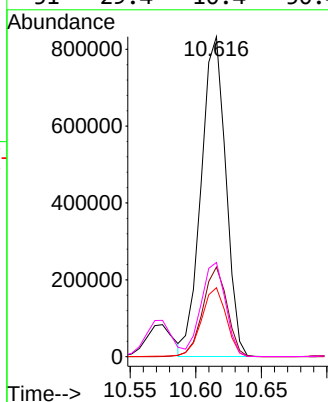
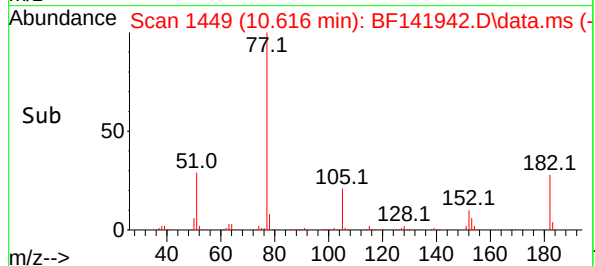


Tgt Ion: 77 Resp: 1090059
Ion Ratio Lower Upper
77 100
182 28.0 6.6 46.6
105 21.6 1.3 41.3
51 29.4 10.4 50.4

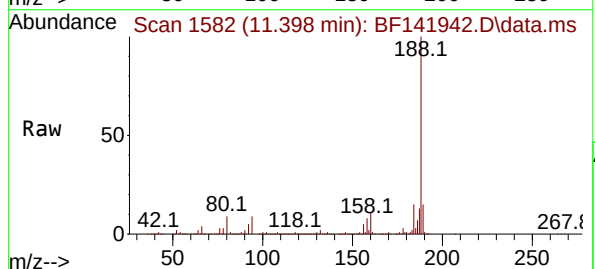
Manual Integrations

APPROVED

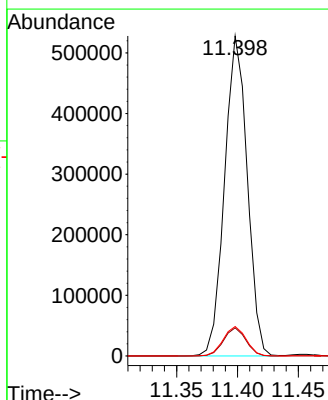
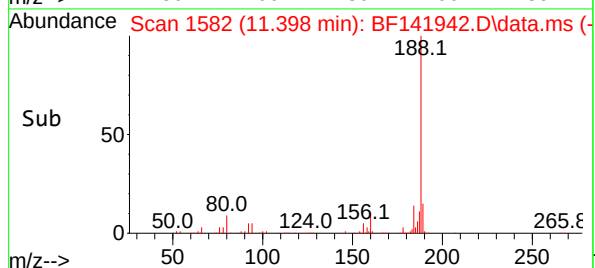
Reviewed By :Anahy Claudio 03/14/2025
Supervised By :Jagrut Upadhyay 03/14/2025

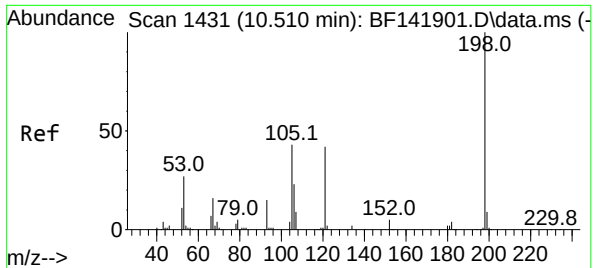


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.398 min Scan# 1582
Delta R.T. -0.006 min
Lab File: BF141942.D
Acq: 13 Mar 2025 13:47



Tgt Ion:188 Resp: 683407
Ion Ratio Lower Upper
188 100
94 8.8 6.8 10.2
80 9.2 7.6 11.4





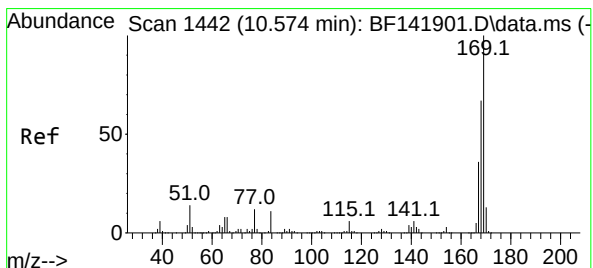
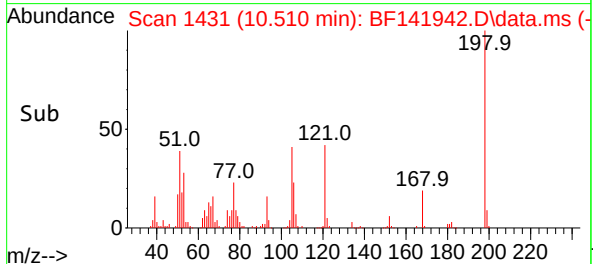
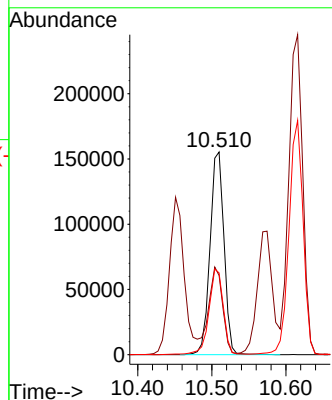
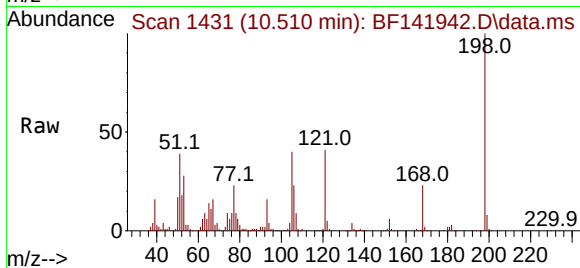
#65
4,6-Dinitro-2-methylphenol
Concen: 49.919 ng
RT: 10.510 min Scan# 1431
Delta R.T. -0.000 min
Lab File: BF141942.D
Acq: 13 Mar 2025 13:47

Instrument :
BNA_F
ClientSampleId :
PB167097BSD

Tgt Ion:198 Resp: 203370
Ion Ratio Lower Upper
198 100
51 39.1 22.3 62.3
105 40.4 23.0 63.0

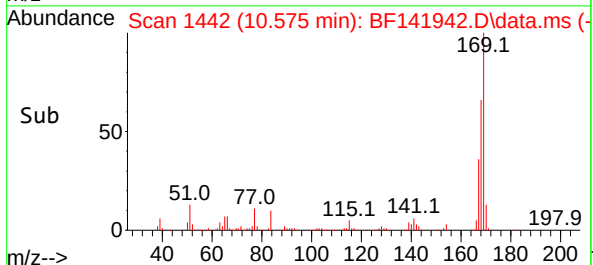
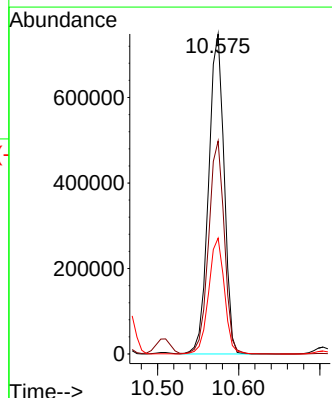
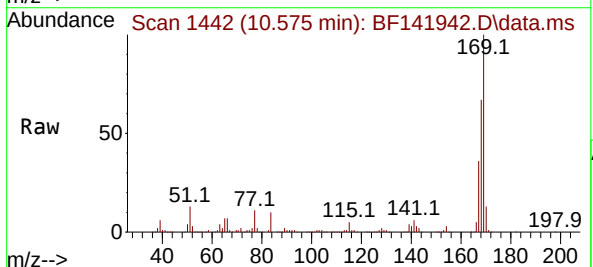
Manual Integrations
APPROVED

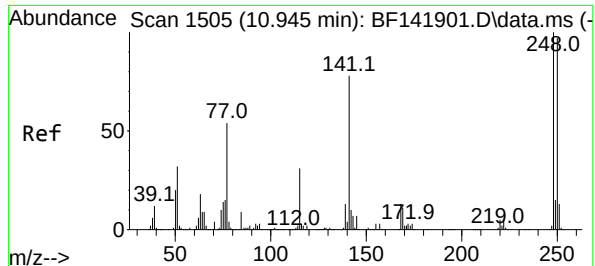
Reviewed By :Anahy Claudio 03/14/2025
Supervised By :Jagrut Upadhyay 03/14/2025



#66
n-Nitrosodiphenylamine
Concen: 44.799 ng
RT: 10.575 min Scan# 1442
Delta R.T. 0.000 min
Lab File: BF141942.D
Acq: 13 Mar 2025 13:47

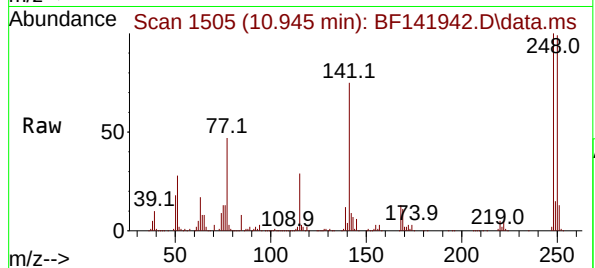
Tgt Ion:169 Resp: 990749
Ion Ratio Lower Upper
169 100
168 66.5 53.7 80.5
167 36.2 29.2 43.8





#67
4-Bromophenyl-phenylether
Concen: 44.271 ng
RT: 10.945 min Scan# 1505
Delta R.T. 0.000 min
Lab File: BF141942.D
Acq: 13 Mar 2025 13:47

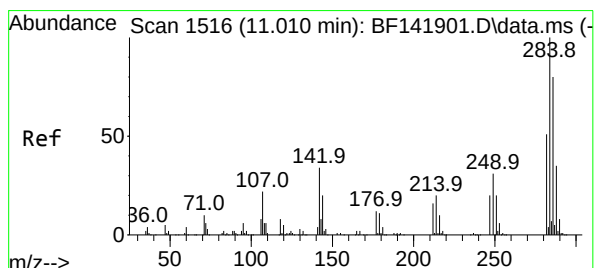
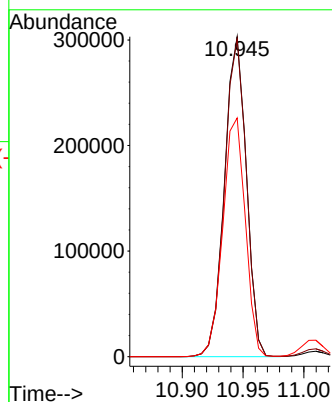
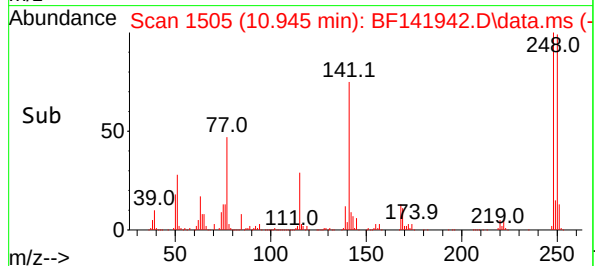
Instrument :
BNA_F
ClientSampleId :
PB167097BSD



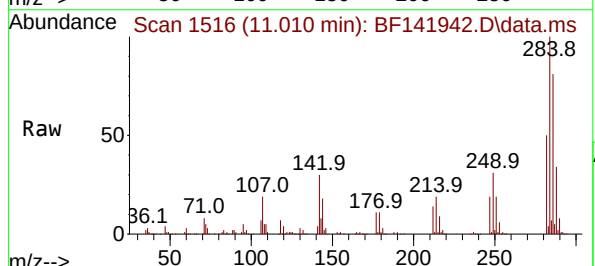
Tgt Ion:248 Resp: 37997
Ion Ratio Lower Upper
248 100
250 99.4 77.8 116.8
141 74.6 62.6 93.8

Manual Integrations
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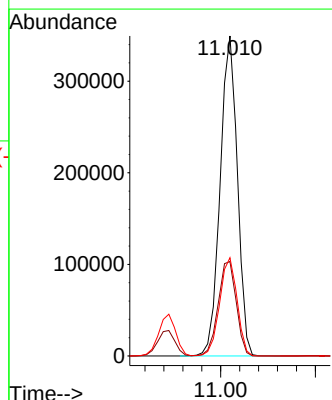
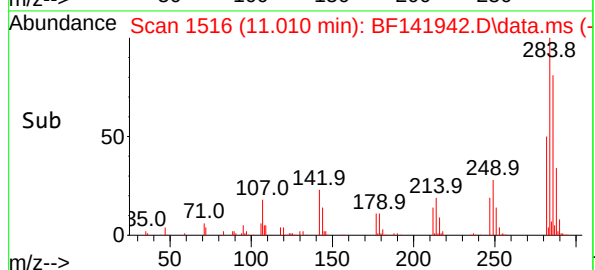
Reviewed By :Anahy Claudio 03/14/2025
Supervised By :Jagrut Upadhyay 03/14/2025

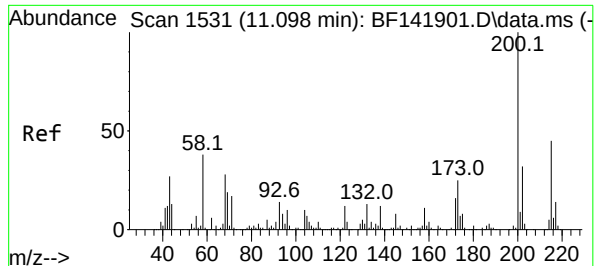


#68
Hexachlorobenzene
Concen: 46.983 ng
RT: 11.010 min Scan# 1516
Delta R.T. 0.000 min
Lab File: BF141942.D
Acq: 13 Mar 2025 13:47



Tgt Ion:284 Resp: 442267
Ion Ratio Lower Upper
284 100
142 29.5 27.0 40.6
249 30.7 25.2 37.8





#69

Atrazine

Concen: 59.122 ng

RT: 11.098 min Scan# 1531

Delta R.T. 0.000 min

Lab File: BF141942.D

Acq: 13 Mar 2025 13:47

Instrument :

BNA_F

ClientSampleId :

PB167097BSD

Tgt Ion:200 Resp: 40082

Ion Ratio Lower Upper

200 100

173 25.0 4.7 44.7

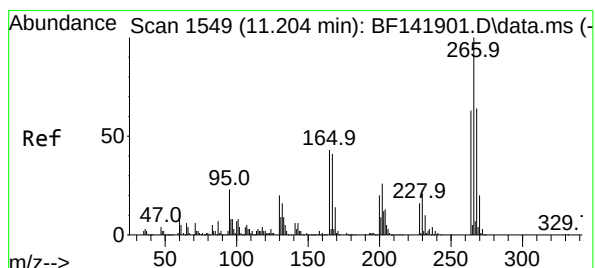
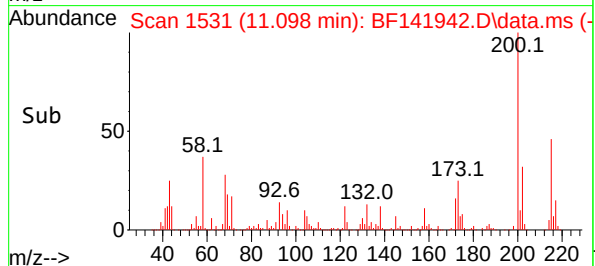
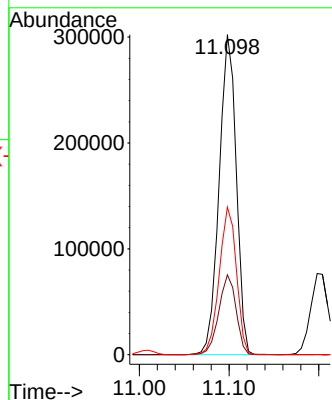
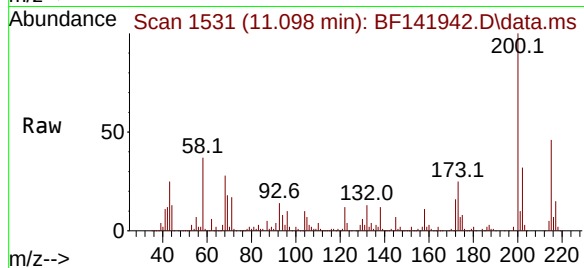
215 46.1 25.4 65.4

Manual Integrations

APPROVED

Reviewed By :Anahy Claudio 03/14/2025

Supervised By :Jagrut Upadhyay 03/14/2025



#70

Pentachlorophenol

Concen: 95.557 ng

RT: 11.204 min Scan# 1549

Delta R.T. 0.000 min

Lab File: BF141942.D

Acq: 13 Mar 2025 13:47

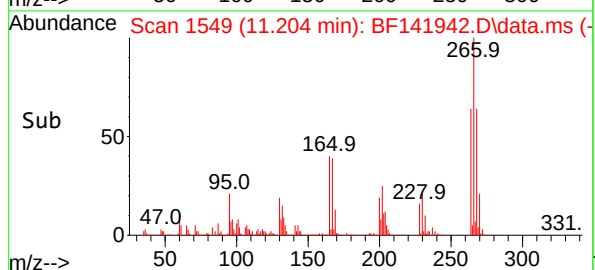
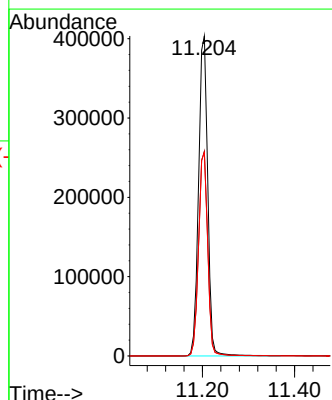
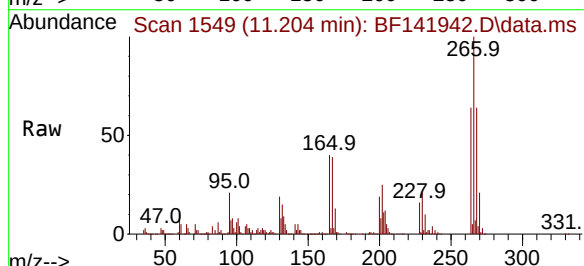
Tgt Ion:266 Resp: 554214

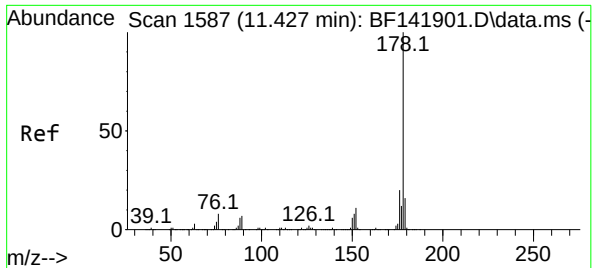
Ion Ratio Lower Upper

266 100

268 64.0 51.0 76.6

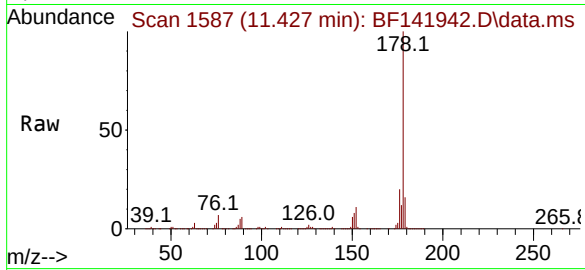
264 63.6 50.2 75.2





#71
Phenanthrene
Concen: 45.023 ng
RT: 11.427 min Scan# 1587
Delta R.T. 0.000 min
Lab File: BF141942.D
Acq: 13 Mar 2025 13:47

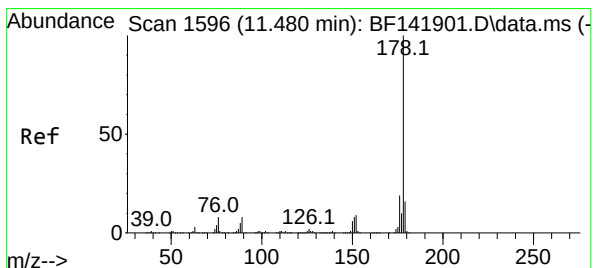
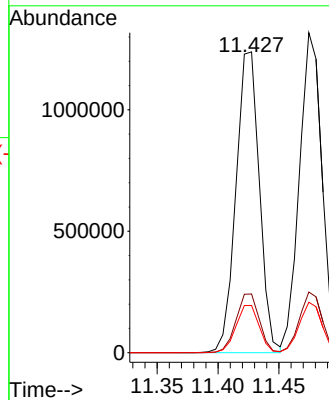
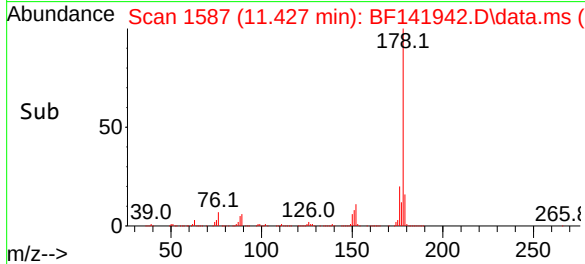
Instrument :
BNA_F
ClientSampleId :
PB167097BSD



Tgt Ion:178 Resp: 166192
Ion Ratio Lower Upper
178 100
176 19.5 15.8 23.8
179 15.7 12.6 19.0

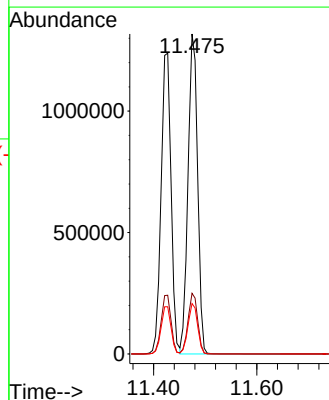
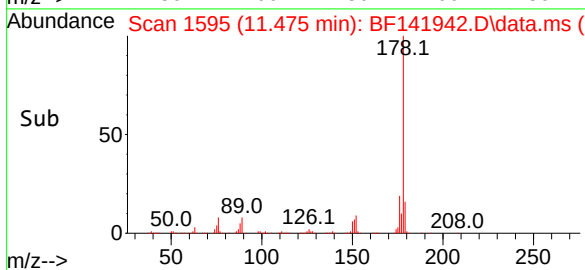
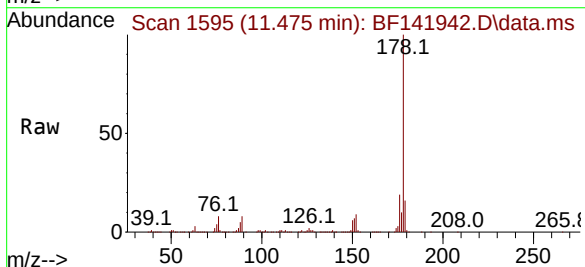
Manual Integrations
APPROVED

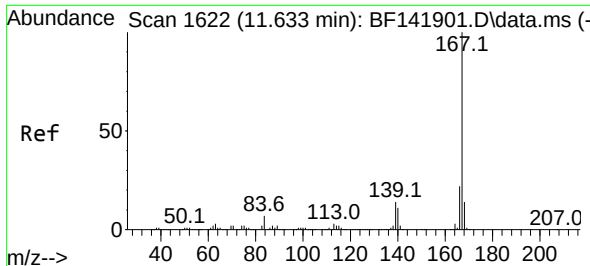
Reviewed By :Anahy Claudio 03/14/2025
Supervised By :Jagrut Upadhyay 03/14/2025



#72
Anthracene
Concen: 45.846 ng
RT: 11.475 min Scan# 1595
Delta R.T. -0.006 min
Lab File: BF141942.D
Acq: 13 Mar 2025 13:47

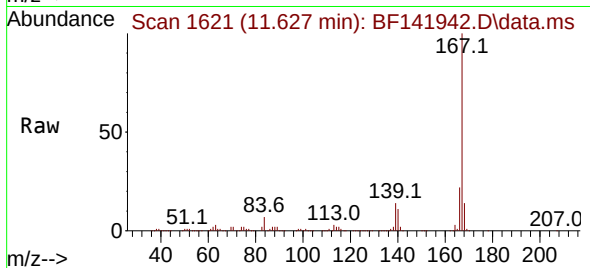
Tgt Ion:178 Resp: 1697853
Ion Ratio Lower Upper
178 100
176 18.9 15.1 22.7
179 15.8 12.6 19.0





#73
Carbazole
Concen: 44.509 ng
RT: 11.627 min Scan# 1621
Delta R.T. -0.006 min
Lab File: BF141942.D
Acq: 13 Mar 2025 13:47

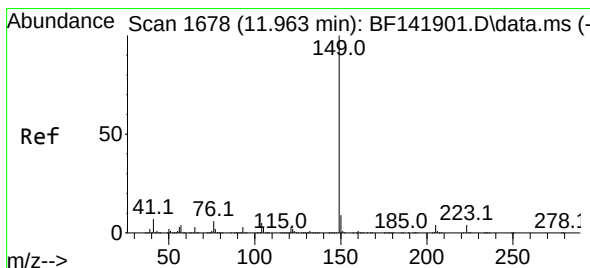
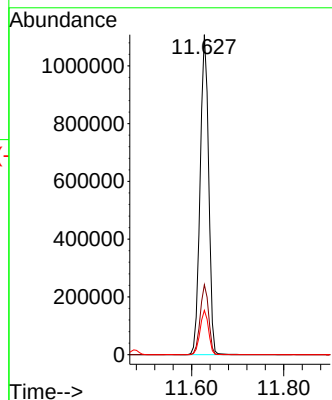
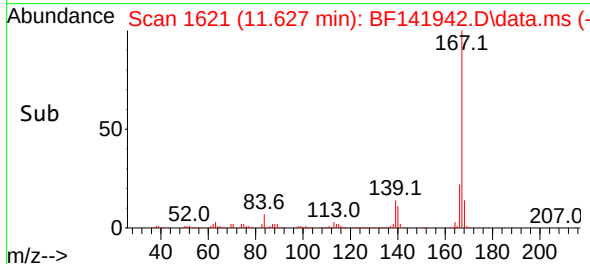
Instrument :
BNA_F
ClientSampleId :
PB167097BSD



Tgt Ion:167 Resp: 1421538
Ion Ratio Lower Upper
167 100
166 21.8 17.4 26.2
139 13.8 11.0 16.6

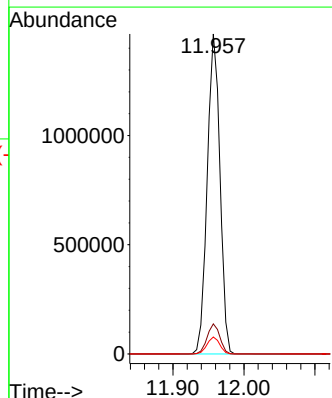
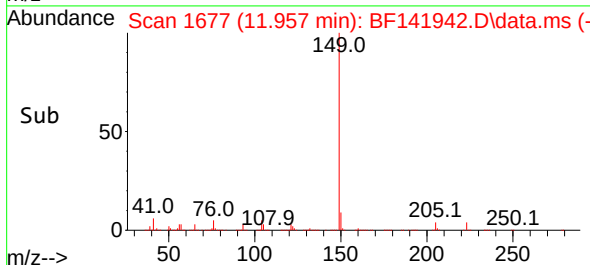
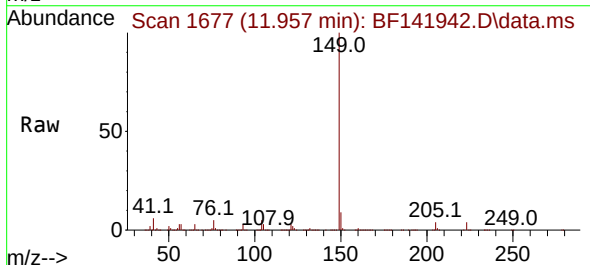
Manual Integrations
APPROVED

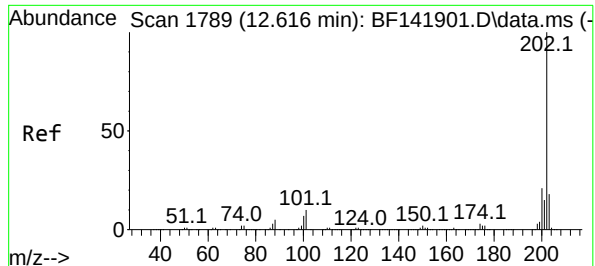
Reviewed By :Anahy Claudio 03/14/2025
Supervised By :Jagrut Upadhyay 03/14/2025



#74
Di-n-butylphthalate
Concen: 43.052 ng
RT: 11.957 min Scan# 1677
Delta R.T. -0.006 min
Lab File: BF141942.D
Acq: 13 Mar 2025 13:47

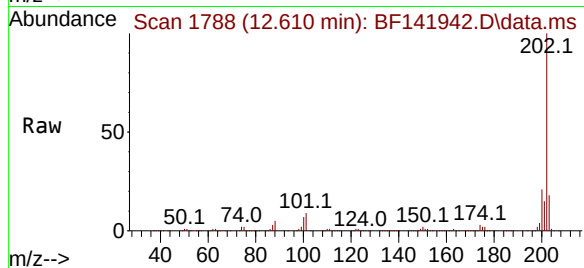
Tgt Ion:149 Resp: 1824481
Ion Ratio Lower Upper
149 100
150 9.4 7.6 11.4
104 5.3 4.4 6.6





#75
Fluoranthene
Concen: 43.287 ng
RT: 12.610 min Scan# 1788
Delta R.T. -0.006 min
Lab File: BF141942.D
Acq: 13 Mar 2025 13:47

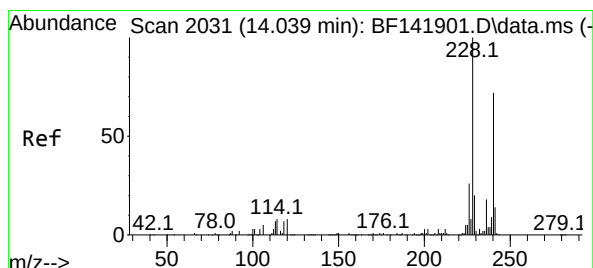
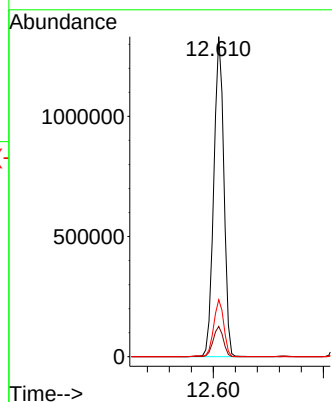
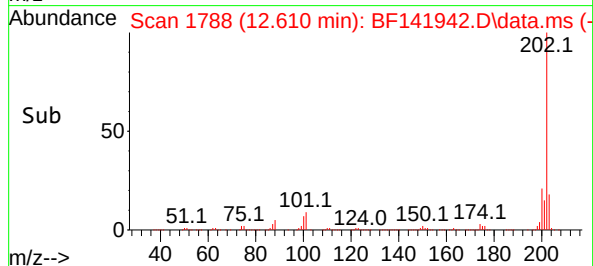
Instrument :
BNA_F
ClientSampleId :
PB167097BSD



Tgt Ion:202 Resp: 169494
Ion Ratio Lower Upper
202 100
101 9.5 0.0 29.7
203 17.8 0.0 37.8

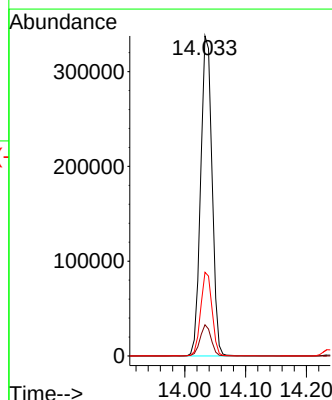
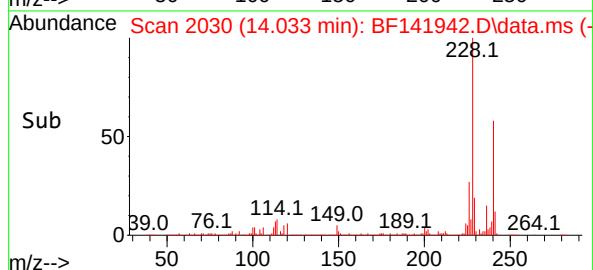
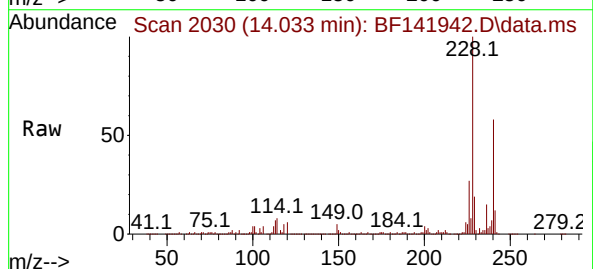
Manual Integrations
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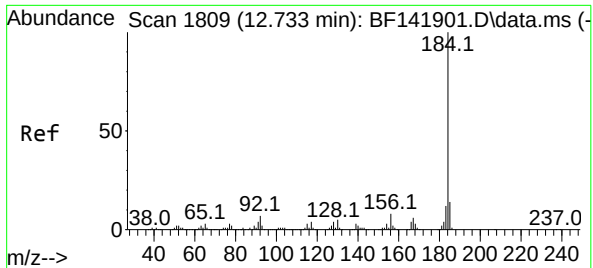
Reviewed By :Anahy Claudio 03/14/2025
Supervised By :Jagrut Upadhyay 03/14/2025



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.033 min Scan# 2030
Delta R.T. -0.006 min
Lab File: BF141942.D
Acq: 13 Mar 2025 13:47

Tgt Ion:240 Resp: 437316
Ion Ratio Lower Upper
240 100
120 9.8 8.4 12.6
236 26.2 20.5 30.7





#77

Benzidine

Concen: 89.476 ng

RT: 12.727 min Scan# 1808

Delta R.T. -0.006 min

Lab File: BF141942.D

Acq: 13 Mar 2025 13:47

Instrument :

BNA_F

ClientSampleId :

PB167097BSD

Tgt Ion:184 Resp: 545920

Ion Ratio Lower Upper

184 100

185 14.4 11.5 17.3

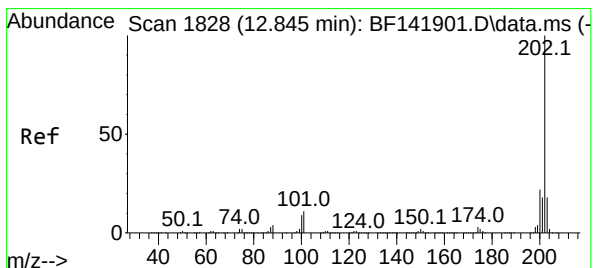
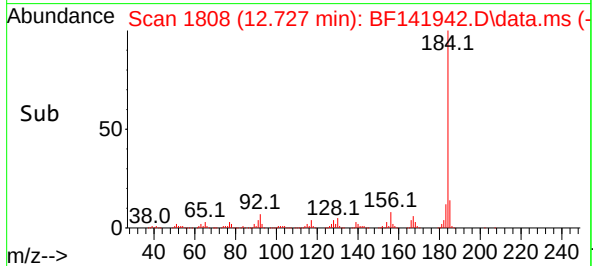
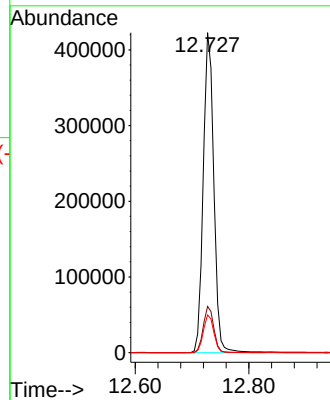
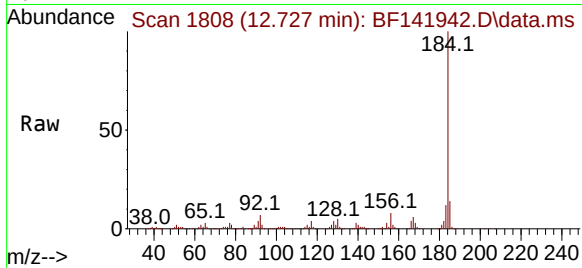
183 11.8 9.7 14.5

Manual Integrations

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Reviewed By :Anahy Claudio 03/14/2025

Supervised By :Jagrut Upadhyay 03/14/2025



#78

Pyrene

Concen: 44.748 ng

RT: 12.839 min Scan# 1827

Delta R.T. -0.006 min

Lab File: BF141942.D

Acq: 13 Mar 2025 13:47

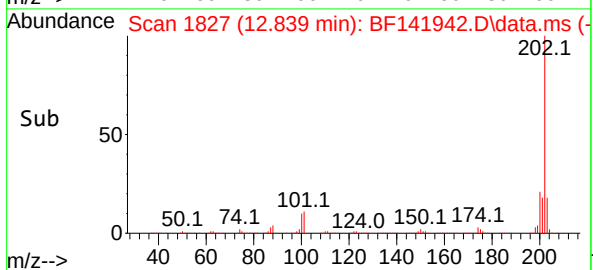
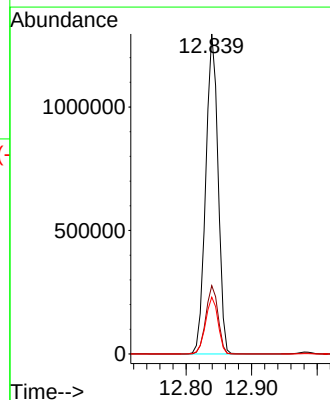
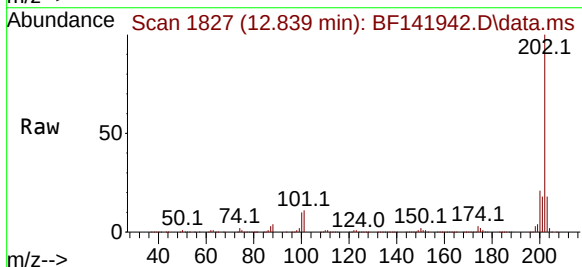
Tgt Ion:202 Resp: 1692747

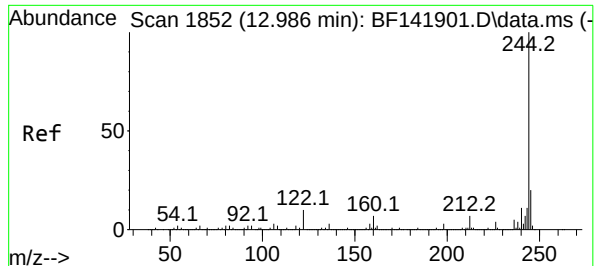
Ion Ratio Lower Upper

202 100

200 21.3 17.3 25.9

203 17.8 14.4 21.6





#79

Terphenyl-d14

Concen: 101.143 ng

RT: 12.980 min Scan# 1852

Delta R.T. -0.006 min

Lab File: BF141942.D

Acq: 13 Mar 2025 13:47

Instrument :

BNA_F

ClientSampleId :

PB167097BSD

Tgt Ion:244 Resp: 2991728

Ion Ratio Lower Upper

244 100

212 7.2 6.0 9.0

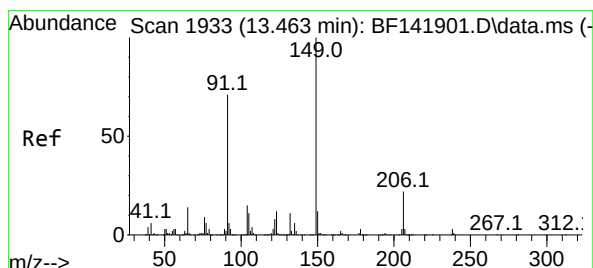
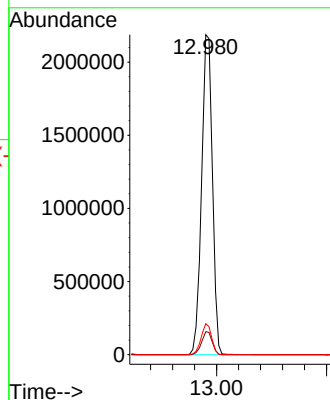
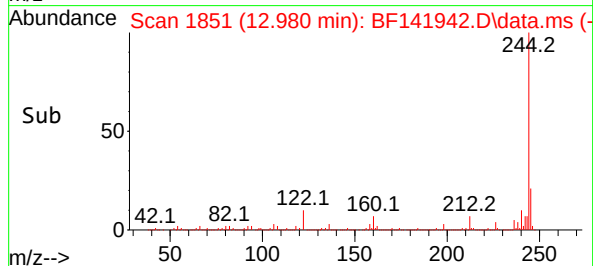
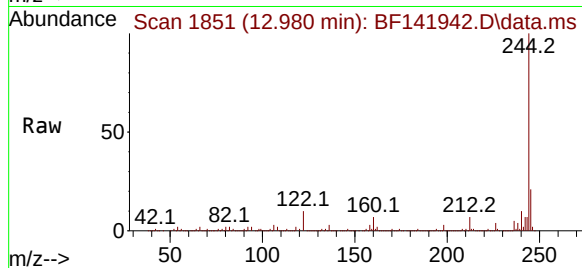
122 9.7 7.7 11.5

Manual Integrations

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Reviewed By :Anahy Claudio 03/14/2025

Supervised By :Jagrut Upadhyay 03/14/2025



#80

Butylbenzylphthalate

Concen: 43.665 ng

RT: 13.457 min Scan# 1932

Delta R.T. -0.006 min

Lab File: BF141942.D

Acq: 13 Mar 2025 13:47

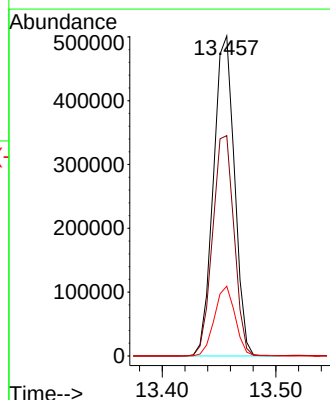
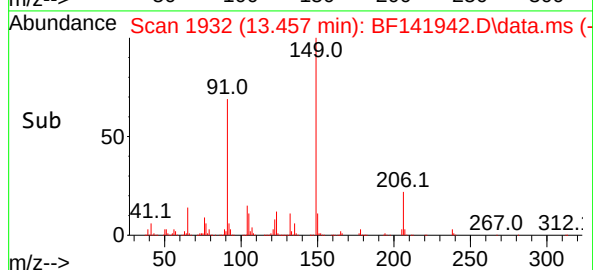
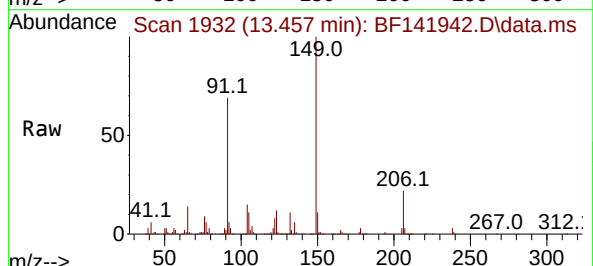
Tgt Ion:149 Resp: 646504

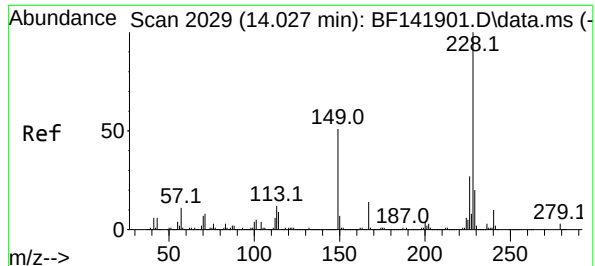
Ion Ratio Lower Upper

149 100

91 68.9 56.5 84.7

206 21.8 17.3 25.9





#81

Benzo(a)anthracene

Concen: 46.329 ng

RT: 14.021 min Scan# 2029

Delta R.T. -0.006 min

Lab File: BF141942.D

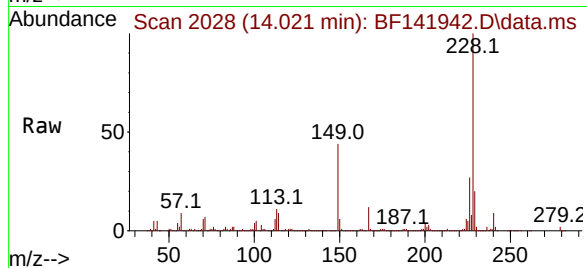
Acq: 13 Mar 2025 13:47

Instrument :

BNA_F

ClientSampleId :

PB167097BSD



Tgt Ion:228 Resp: 132950

Ion Ratio Lower Upper

228 100

226 27.2 21.8 32.8

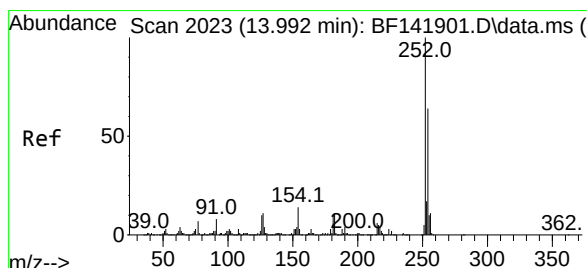
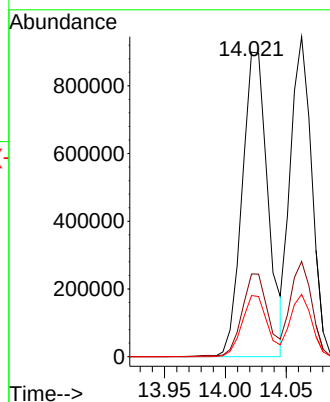
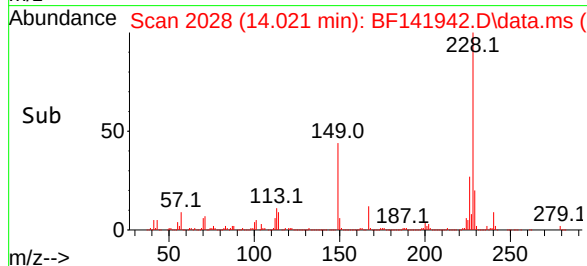
229 20.1 16.0 24.0

Manual Integrations

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Reviewed By :Anahy Claudio 03/14/2025

Supervised By :Jagrut Upadhyay 03/14/2025



#82

3,3'-Dichlorobenzidine

Concen: 29.785 ng

RT: 13.986 min Scan# 2022

Delta R.T. -0.006 min

Lab File: BF141942.D

Acq: 13 Mar 2025 13:47

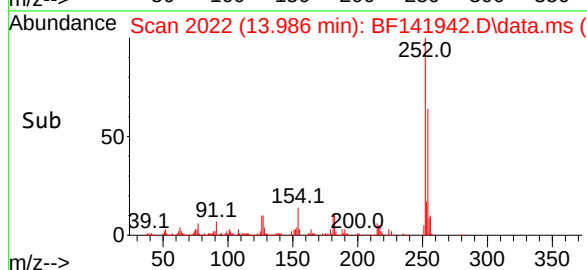
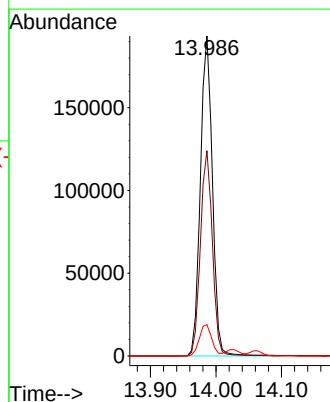
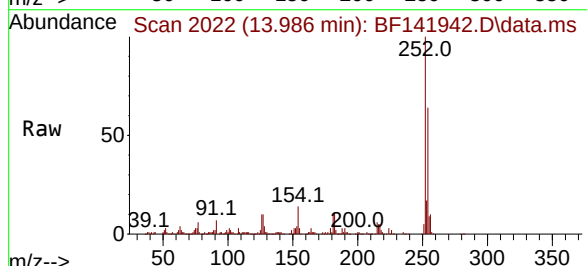
Tgt Ion:252 Resp: 247002

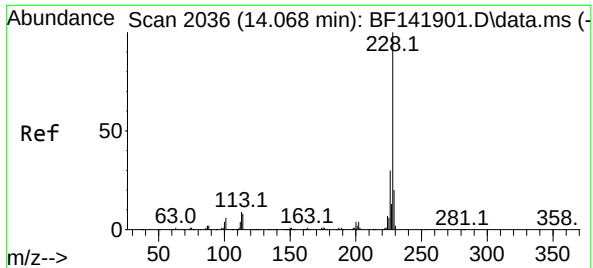
Ion Ratio Lower Upper

252 100

254 64.1 51.0 76.6

126 9.8 8.4 12.6





#83

Chrysene

Concen: 44.293 ng

RT: 14.063 min Scan# 2036

Delta R.T. -0.006 min

Lab File: BF141942.D

Acq: 13 Mar 2025 13:47

Instrument :

BNA_F

ClientSampleId :

PB167097BSD

Tgt Ion:228 Resp: 1152190

Ion Ratio Lower Upper

228 100

226 29.7 24.1 36.1

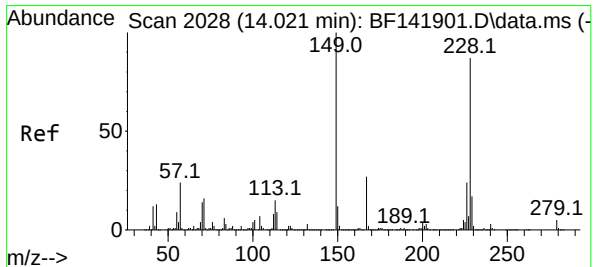
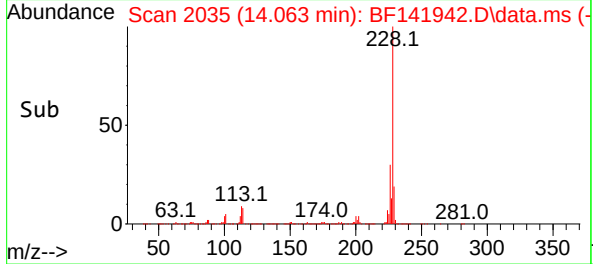
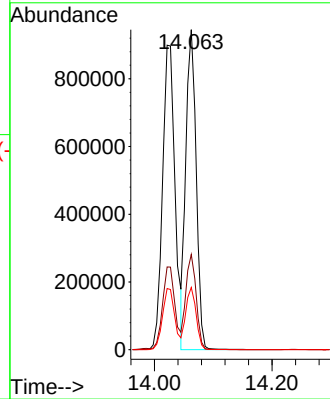
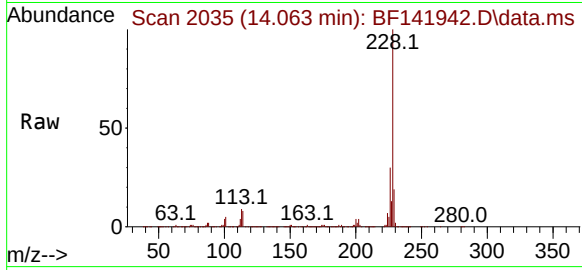
229 19.4 15.7 23.5

Manual Integrations

APPROVED

Reviewed By :Anahy Claudio 03/14/2025

Supervised By :Jagrut Upadhyay 03/14/2025



#84

Bis(2-ethylhexyl)phthalate

Concen: 42.448 ng

RT: 14.016 min Scan# 2027

Delta R.T. -0.006 min

Lab File: BF141942.D

Acq: 13 Mar 2025 13:47

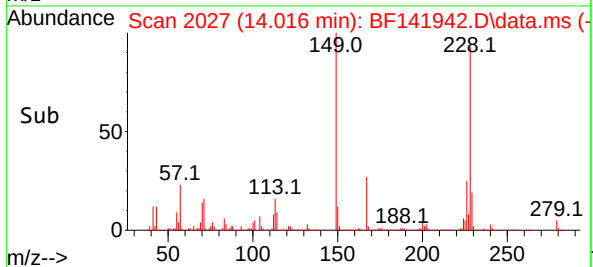
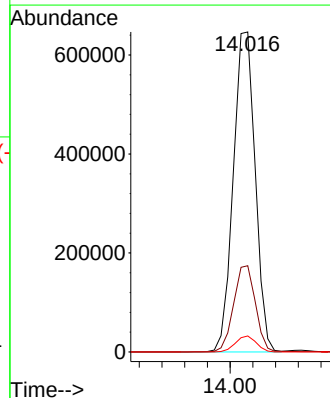
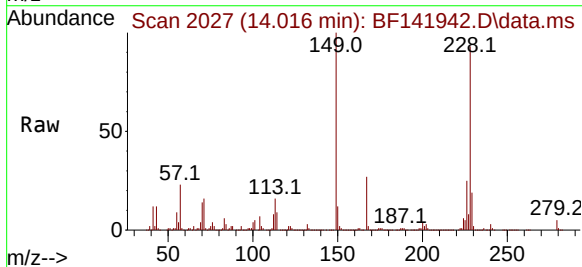
Tgt Ion:149 Resp: 866554

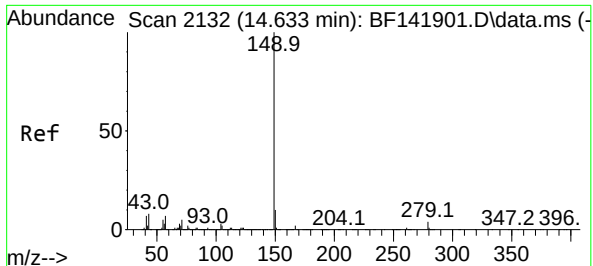
Ion Ratio Lower Upper

149 100

167 27.0 21.4 32.0

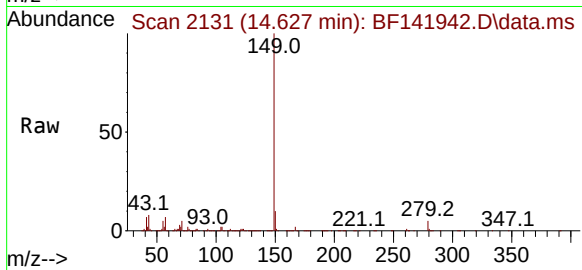
279 5.0 3.8 5.6





#85
Di-n-octyl phthalate
Concen: 43.491 ng
RT: 14.627 min Scan# 2132
Delta R.T. -0.006 min
Lab File: BF141942.D
Acq: 13 Mar 2025 13:47

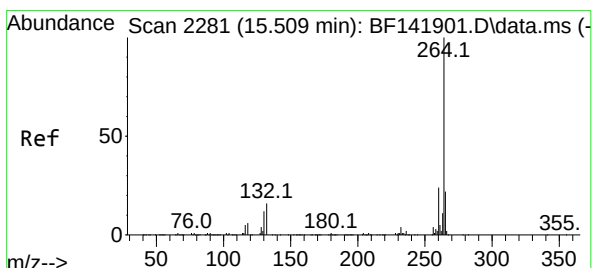
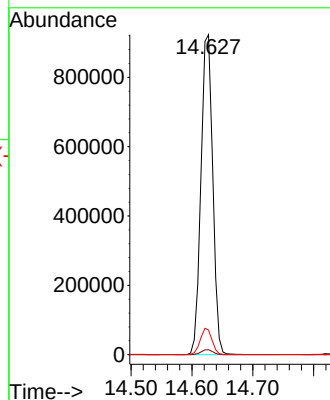
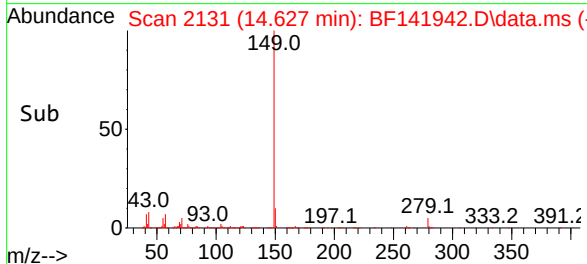
Instrument :
BNA_F
ClientSampleId :
PB167097BSD



Tgt Ion:149 Resp: 1235348
Ion Ratio Lower Upper
149 100
167 1.6 1.3 1.9
43 8.2 6.9 10.3

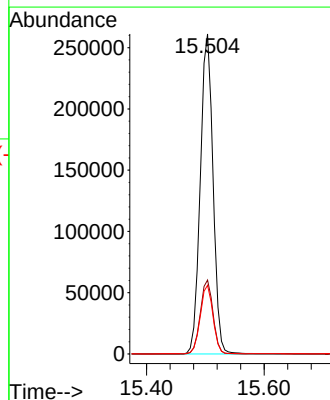
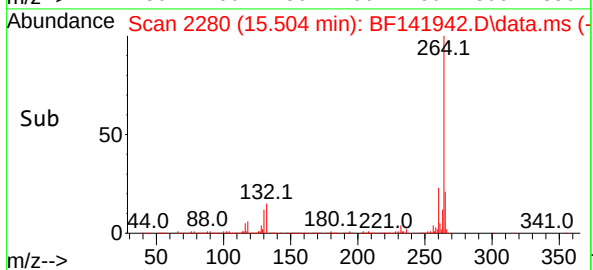
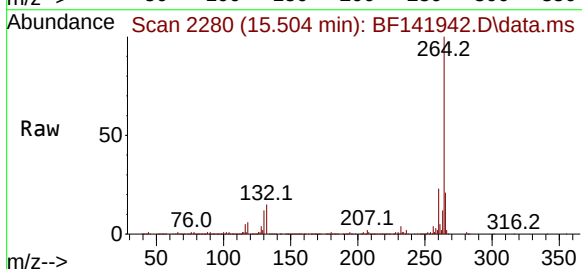
Manual Integrations
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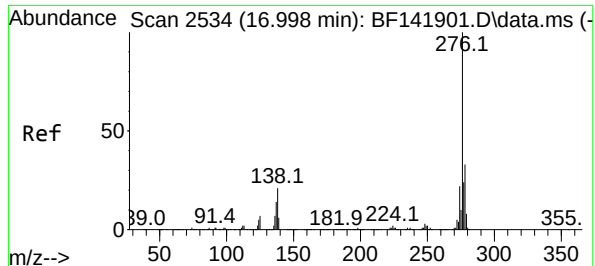
Reviewed By :Anahy Claudio 03/14/2025
Supervised By :Jagrut Upadhyay 03/14/2025



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.504 min Scan# 2280
Delta R.T. -0.006 min
Lab File: BF141942.D
Acq: 13 Mar 2025 13:47

Tgt Ion:264 Resp: 392710
Ion Ratio Lower Upper
264 100
260 23.1 19.1 28.7
265 21.5 17.5 26.3





#87

Indeno(1,2,3-cd)pyrene

Concen: 48.584 ng

RT: 16.992 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF141942.D

Acq: 13 Mar 2025 13:47

Instrument :

BNA_F

ClientSampleId :

PB167097BSD

Tgt Ion:276 Resp: 1234210

Ion Ratio Lower Upper

276 100

138 21.5 18.4 27.6

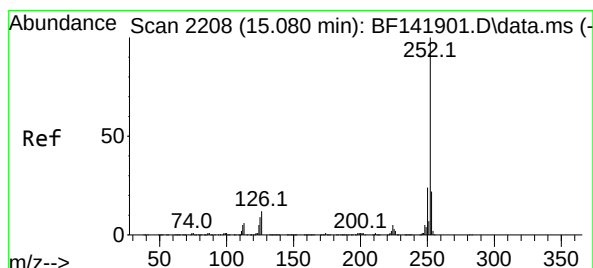
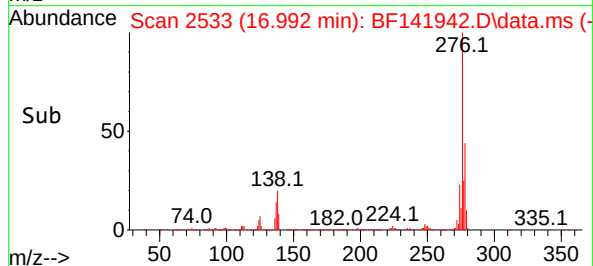
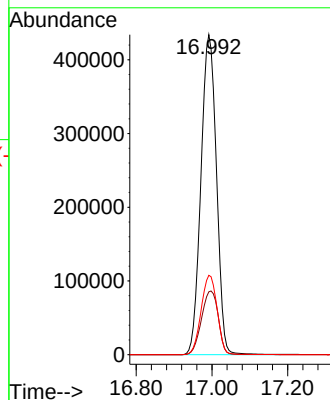
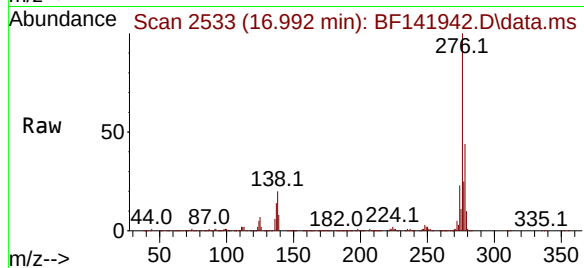
277 25.5 20.3 30.5

Manual Integrations

APPROVED

Reviewed By :Anahy Claudio 03/14/2025

Supervised By :Jagrut Upadhyay 03/14/2025



#88

Benzo(b)fluoranthene

Concen: 39.392 ng

RT: 15.074 min Scan# 2207

Delta R.T. -0.006 min

Lab File: BF141942.D

Acq: 13 Mar 2025 13:47

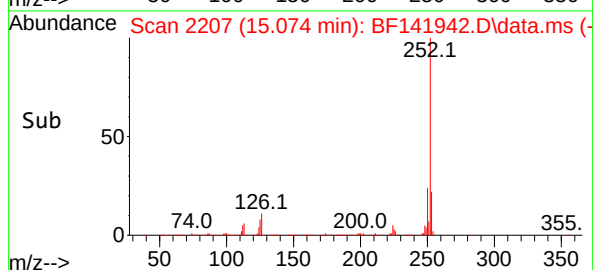
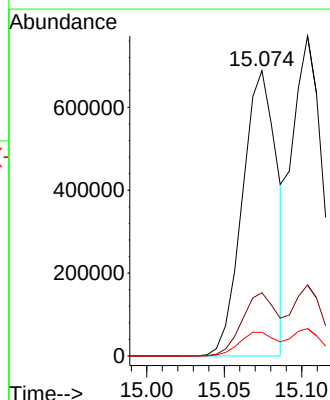
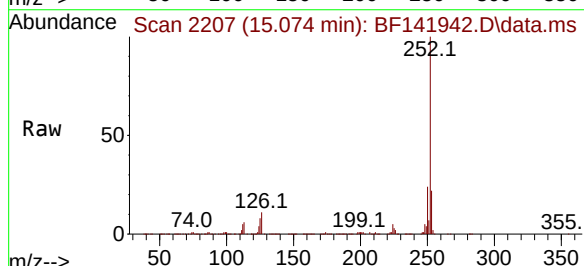
Tgt Ion:252 Resp: 1060224

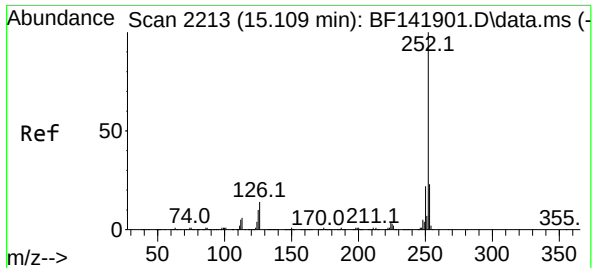
Ion Ratio Lower Upper

252 100

253 22.2 17.5 26.3

125 8.3 7.0 10.4





#89

Benzo(k)fluoranthene

Concen: 45.819 ng

RT: 15.104 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF141942.D

Acq: 13 Mar 2025 13:47

Instrument :

BNA_F

ClientSampleId :

PB167097BSD

Tgt Ion:252 Resp: 105534

Ion Ratio Lower Upper

252 100

253 22.2 17.7 26.5

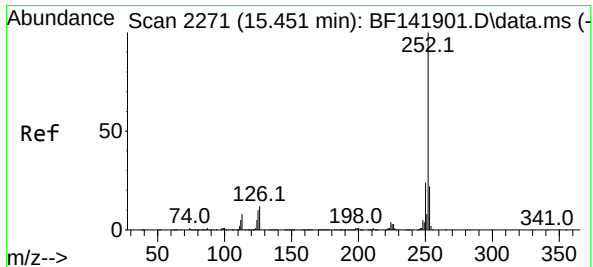
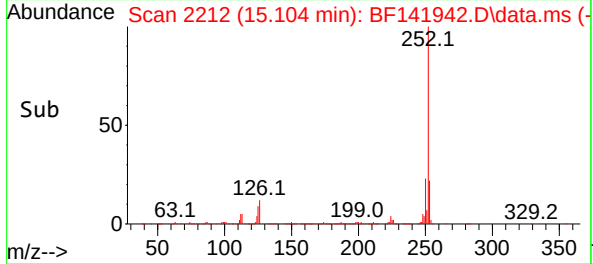
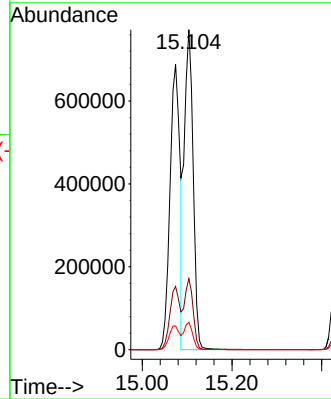
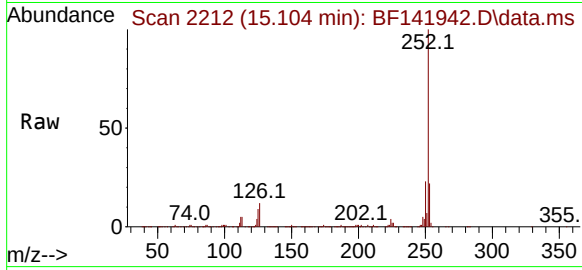
125 8.5 7.2 10.8

Manual Integrations

APPROVED

Reviewed By :Anahy Claudio 03/14/2025

Supervised By :Jagrut Upadhyay 03/14/2025



#90

Benzo(a)pyrene

Concen: 47.252 ng

RT: 15.445 min Scan# 2270

Delta R.T. -0.006 min

Lab File: BF141942.D

Acq: 13 Mar 2025 13:47

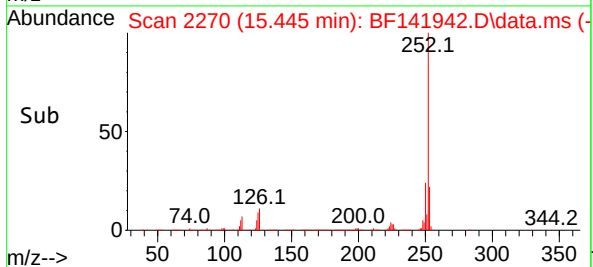
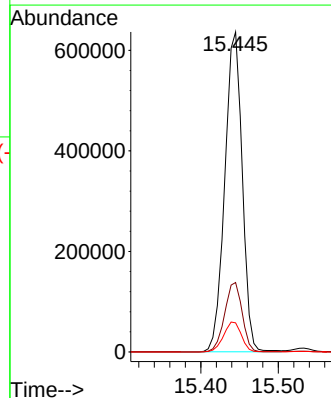
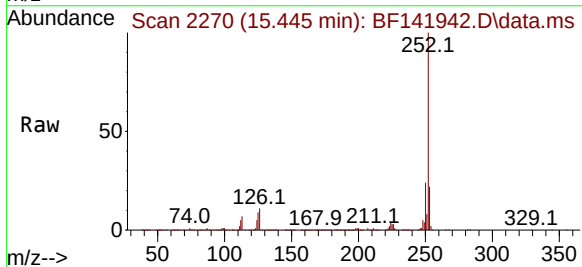
Tgt Ion:252 Resp: 995119

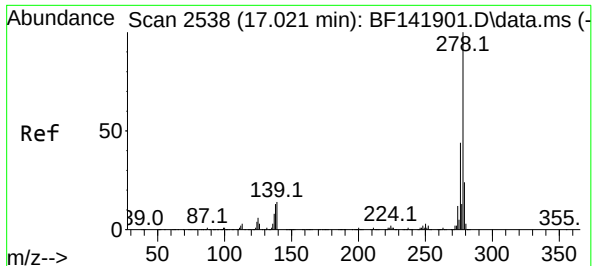
Ion Ratio Lower Upper

252 100

253 21.7 17.4 26.0

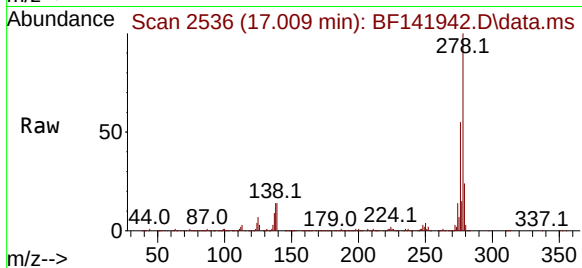
125 9.1 7.8 11.8





#91
Dibenzo(a,h)anthracene
Concen: 48.588 ng
RT: 17.009 min Scan# 2536
Delta R.T. -0.012 min
Lab File: BF141942.D
Acq: 13 Mar 2025 13:47

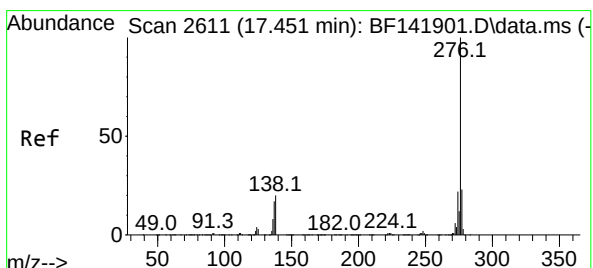
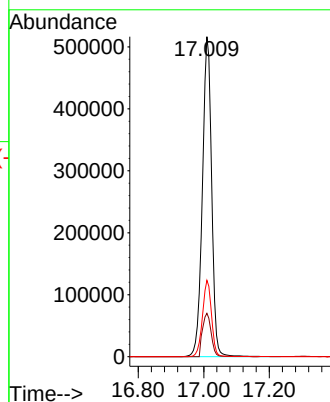
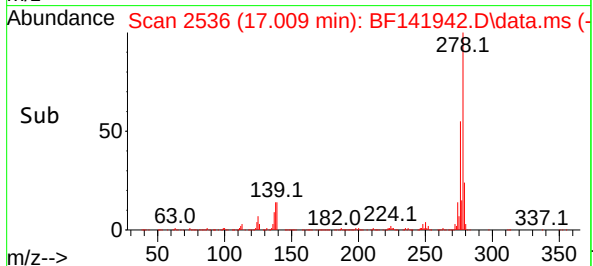
Instrument :
BNA_F
ClientSampleId :
PB167097BSD



Tgt Ion:278 Resp: 101840
Ion Ratio Lower Upper
278 100
139 13.6 11.4 17.2
279 23.8 18.8 28.2

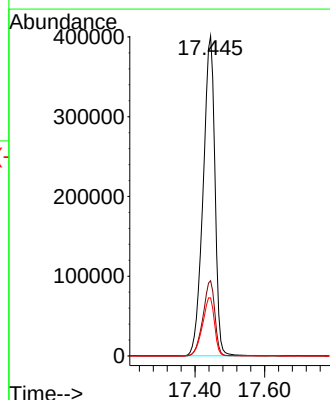
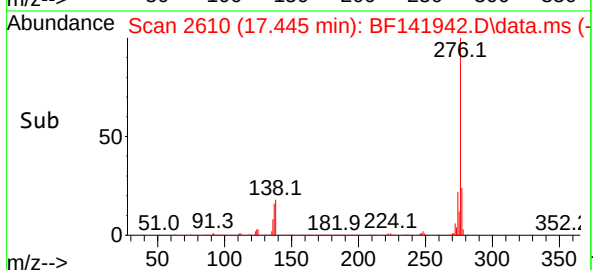
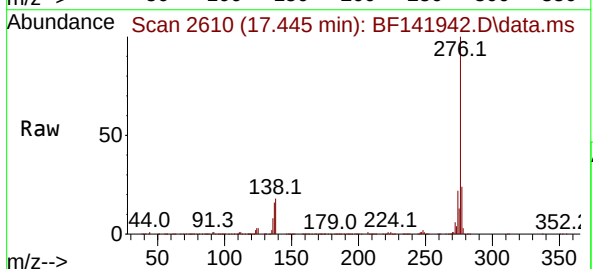
Manual Integrations
APPROVED

Reviewed By :Anahy Claudio 03/14/2025
Supervised By :Jagrut Upadhyay 03/14/2025



#92
Benzo(g,h,i)perylene
Concen: 45.514 ng
RT: 17.445 min Scan# 2610
Delta R.T. -0.006 min
Lab File: BF141942.D
Acq: 13 Mar 2025 13:47

Tgt Ion:276 Resp: 942720
Ion Ratio Lower Upper
276 100
277 23.5 18.7 28.1
138 18.2 15.8 23.8





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

Manual Integration Report

Sequence:

BF031025

Instrument

BNA_f

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
SSTDICC080	BF141904.D	Caprolactam	anahy	3/11/2025 9:10:54 AM	Jagrut	3/11/2025 10:18:21 AM	Peak Integrated by Software

Manual Integration Report

Sequence:

BF031325

Instrument

BNA_f

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
PB167097BS	BF141941.D	Caprolactam	anahy	3/14/2025 11:28:10 AM	Jagrut	3/14/2025 4:35:23 PM	Peak Integrated by Software
PB167097BSD	BF141942.D	Caprolactam	anahy	3/14/2025 11:28:42 AM	Jagrut	3/14/2025 4:35:25 PM	Peak Integrated by Software

Instrument ID: **BNA_F**

Daily Analysis Runlog For Sequence/QC Batch ID # BF031025

Review By	anahy	Review On	3/11/2025 9:11:47 AM
Supervise By	Jagrut	Supervise On	3/11/2025 10:18:40 AM
SubDirectory	BF031025	HP Acquire Method	BNA_F
		HP Processing Method	bf031025
STD. NAME	STD REF.#		
Tune/Reschk	SP6717		
Initial Calibration Stds	SP6722,SP6723,SP6724,SP6725,SP6726,SP6727,SP6728,SP6729		
CCC	SP6725		
Internal Standard/PEM	S12653,10ul/1000ul sample		
ICV/I.BLK	SP6686		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	DFTPP	BF141896.D	10 Mar 2025 10:31	RC/JU	Ok
2	SSTDICC2.5	BF141897.D	10 Mar 2025 11:01	RC/JU	Ok
3	SSTDICC005	BF141898.D	10 Mar 2025 11:30	RC/JU	Ok
4	SSTDICC010	BF141899.D	10 Mar 2025 12:00	RC/JU	Ok
5	SSTDICC020	BF141900.D	10 Mar 2025 12:29	RC/JU	Ok
6	SSTDICCC040	BF141901.D	10 Mar 2025 12:58	RC/JU	Ok
7	SSTDICC050	BF141902.D	10 Mar 2025 13:28	RC/JU	Not Ok
8	SSTDICC060	BF141903.D	10 Mar 2025 13:57	RC/JU	Ok
9	SSTDICC080	BF141904.D	10 Mar 2025 14:27	RC/JU	Ok,M
10	SSTDICC050	BF141905.D	10 Mar 2025 15:20	RC/JU	Ok
11	SSTDICV040	BF141906.D	10 Mar 2025 15:53	RC/JU	Ok
12	PB167012BL	BF141907.D	10 Mar 2025 17:09	RC/JU	Ok
13	SP6752	BF141908.D	10 Mar 2025 17:39	RC/JU	Ok,M

M : Manual Integration

Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QC Batch ID # BF031325

Review By	anahy	Review On	3/14/2025 11:36:22 AM
Supervise By	Jagrut	Supervise On	3/14/2025 4:35:55 PM
SubDirectory	BF031325	HP Acquire Method	BNA_F
		HP Processing Method	bf031025
STD. NAME	STD REF.#		
Tune/Reschk	SP6717		
Initial Calibration Stds	SP6722,SP6723,SP6724,SP6725,SP6726,SP6727,SP6728,SP6729		
CCC	SP6725		
Internal Standard/PEM	S12655,10ul/1000ul sample		
ICV/I.BLK	SP6686		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	DFTPP	BF141938.D	13 Mar 2025 11:48	RC/JU	Ok
2	SSTDCCC040	BF141939.D	13 Mar 2025 12:17	RC/JU	Ok
3	PB167097BL	BF141940.D	13 Mar 2025 12:47	RC/JU	Ok
4	PB167097BS	BF141941.D	13 Mar 2025 13:17	RC/JU	Ok,M
5	PB167097BSD	BF141942.D	13 Mar 2025 13:47	RC/JU	Ok,M
6	Q1539-01	BF141943.D	13 Mar 2025 16:14	RC/JU	Ok
7	Q1539-02	BF141944.D	13 Mar 2025 16:44	RC/JU	Ok
8	Q1547-01	BF141945.D	13 Mar 2025 17:14	RC/JU	Ok
9	Q1547-01MS	BF141946.D	13 Mar 2025 17:44	RC/JU	Ok,M
10	Q1547-01MSD	BF141947.D	13 Mar 2025 18:13	RC/JU	Ok,M
11	Q1547-05	BF141948.D	13 Mar 2025 18:42	RC/JU	Ok
12	Q1547-05MS	BF141949.D	13 Mar 2025 19:11	RC/JU	Ok,M
13	Q1547-05MSD	BF141950.D	13 Mar 2025 19:41	RC/JU	Ok,M
14	Q1547-10	BF141951.D	13 Mar 2025 20:10	RC/JU	Ok,M
15	Q1547-06	BF141952.D	13 Mar 2025 20:39	RC/JU	Ok
16	SSTDCCC040	BF141953.D	13 Mar 2025 21:09	RC/JU	Ok

M : Manual Integration

Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QC Batch ID # BF031025

Review By	anahy	Review On	3/11/2025 9:11:47 AM
Supervise By	Jagrut	Supervise On	3/11/2025 10:18:40 AM
SubDirectory	BF031025	HP Acquire Method	BNA_F
		HP Processing Method	bf031025

STD. NAME	STD REF.#
Tune/Reschk	SP6717
Initial Calibration Stds	SP6722,SP6723,SP6724,SP6725,SP6726,SP6727,SP6728,SP6729
CCC	SP6725
Internal Standard/PEM	S12653,10ul/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	BF141896.D	10 Mar 2025 10:31		RC/JU	Ok
2	SSTDICC2.5	SSTDICC2.5	BF141897.D	10 Mar 2025 11:01		RC/JU	Ok
3	SSTDICC005	SSTDICC005	BF141898.D	10 Mar 2025 11:30	Compound#9,32,54,65 removed from 5 ppm	RC/JU	Ok
4	SSTDICC010	SSTDICC010	BF141899.D	10 Mar 2025 12:00		RC/JU	Ok
5	SSTDICC020	SSTDICC020	BF141900.D	10 Mar 2025 12:29	Compound #54 Kept on LR, Method is good for DOD . Method failed for compound #77.	RC/JU	Ok
6	SSTDICCC040	SSTDICCC040	BF141901.D	10 Mar 2025 12:58		RC/JU	Ok
7	SSTDICC050	SSTDICC050	BF141902.D	10 Mar 2025 13:28	Not used	RC/JU	Not Ok
8	SSTDICC060	SSTDICC060	BF141903.D	10 Mar 2025 13:57	Compound#69 Removed from 60 ppm	RC/JU	Ok
9	SSTDICC080	SSTDICC080	BF141904.D	10 Mar 2025 14:27	Compound#9,69 Removed from 80 ppm	RC/JU	Ok,M
10	SSTDICC050	SSTDICC050	BF141905.D	10 Mar 2025 15:20		RC/JU	Ok
11	SSTDICV040	ICVBF031025	BF141906.D	10 Mar 2025 15:53		RC/JU	Ok
12	PB167012BL	PB167012BL	BF141907.D	10 Mar 2025 17:09		RC/JU	Ok
13	SP6752	SP6752	BF141908.D	10 Mar 2025 17:39	8270 SPIKE-SP6752	RC/JU	Ok,M

M : Manual Integration

Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QC Batch ID # BF031325

Review By	anahy	Review On	3/14/2025 11:36:22 AM
Supervise By	Jagrut	Supervise On	3/14/2025 4:35:55 PM
SubDirectory	BF031325	HP Acquire Method	BNA_F
		HP Processing Method	bf031025

STD. NAME	STD REF.#
Tune/Reschk	SP6717
Initial Calibration Stds	SP6722,SP6723,SP6724,SP6725,SP6726,SP6727,SP6728,SP6729
CCC	SP6725
Internal Standard/PEM	S12655,10ul/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	BF141938.D	13 Mar 2025 11:48		RC/JU	Ok
2	SSTDCCC040	SSTDCCC040	BF141939.D	13 Mar 2025 12:17		RC/JU	Ok
3	PB167097BL	PB167097BL	BF141940.D	13 Mar 2025 12:47		RC/JU	Ok
4	PB167097BS	PB167097BS	BF141941.D	13 Mar 2025 13:17		RC/JU	Ok,M
5	PB167097BSD	PB167097BSD	BF141942.D	13 Mar 2025 13:47		RC/JU	Ok,M
6	Q1539-01	TAPIAL3-MW03D-0310	BF141943.D	13 Mar 2025 16:14		RC/JU	Ok
7	Q1539-02	TAPFTA-MW01I-03102	BF141944.D	13 Mar 2025 16:44		RC/JU	Ok
8	Q1547-01	OR-620-JB-COMP-01	BF141945.D	13 Mar 2025 17:14		RC/JU	Ok
9	Q1547-01MS	OR-620-JB-COMP-01M	BF141946.D	13 Mar 2025 17:44		RC/JU	Ok,M
10	Q1547-01MSD	OR-620-JB-COMP-01M	BF141947.D	13 Mar 2025 18:13		RC/JU	Ok,M
11	Q1547-05	OR-620-JB-COMP-01	BF141948.D	13 Mar 2025 18:42		RC/JU	Ok
12	Q1547-05MS	OR-620-JB-COMP-01M	BF141949.D	13 Mar 2025 19:11		RC/JU	Ok,M
13	Q1547-05MSD	OR-620-JB-COMP-01M	BF141950.D	13 Mar 2025 19:41		RC/JU	Ok,M
14	Q1547-10	OR-620-JB-COMP-02	BF141951.D	13 Mar 2025 20:10		RC/JU	Ok,M
15	Q1547-06	OR-620-JB-COMP-02	BF141952.D	13 Mar 2025 20:39		RC/JU	Ok
16	SSTDCCC040	SSTDCCC040EC	BF141953.D	13 Mar 2025 21:09		RC/JU	Ok

M : Manual Integration

SOP ID: M3510C,3580A-Extraction SVOC-20

Clean Up SOP #: N/A

Matrix : Water

Weigh By: N/A

Balance check: N/A

Balance ID: N/A

pH Strip Lot#: E3880

Extraction By: RS

Filter By: RS

pH Meter ID: N/A

Hood ID: 4,6,7

Extraction Start Date : 03/12/2025

Extraction Start Time : 08:45

Extraction End Date : 03/12/2025

Extraction End Time : 13:55

Concentration By: EH

Supervisor By : RUPESH

Extraction Method: ☒ Separatory Funnel ☐ Continuous Liquid/Liquid ☐ Sonication ☐ Waste Dilution ☐ Soxhlet

Standard Name	MLS USED	Concentration ug/mL	STD REF. # FROM LOG
Spike Sol 1	1.0ML	50/100 PPM	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
Methylene Chloride	N/A	E3878
Baked Na2SO4	N/A	EP2593
10N NaOH	N/A	EP2559
H2SO4 1:1	N/A	EP2565
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A

Extraction Conformance/Non-Conformance Comments:

1.5ML Vial lot# 2210673. pH Adjusted<2 with 1:1 H2SO4 & >11 with 10 N NaOH.

KD Bath ID: WATER BATH-1,2

Envap ID: NEVAP-02

KD Bath Temperature: 60 °C

Envap Temperature: 40 °C

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
3/12/25	RS (Bath Lab)	R/Svec
14:00	Preparation Group	Analysis Group

Analytical Method: M3510C,3580A-Extraction SVOC-20

Concentration Date: 03/12/2025

Sample ID	Client Sample ID	Test	g / mL	PH	Surr/Spike By:		Final Vol. (mL)	JarID	Comments	Prep Pos
					AddedBy	VerifiedBy				
PB167097BL	SBLK097	SVOC-TCL BNA -20	1000	6	RUPESH	ritesh	1			SEP-1
PB167097BS	SLCS097	SVOC-TCL BNA -20	1000	6	RUPESH	ritesh	1			2
PB167097BS D	SLCSD097	SVOC-TCL BNA -20	1000	6	RUPESH	ritesh	1			3
Q1502-03	PT-BN-WP	SVOCMS Group1	1000	6	RUPESH	ritesh	1			4
Q1502-06	PT-ACIDS-WP	SVOCMS Group2	1000	6	RUPESH	ritesh	1			5
Q1502-22	RR-TRIAZINE-WP	SVOCMS Group6	1000	6	RUPESH	ritesh	1			6
Q1522-02	TW-WTS-04	SVOCMS Group4	990	6	RUPESH	ritesh	1	D		7
Q1539-01	TAPIAL3-MW03D-031025- 00-T1	SVOC-TCL BNA -20	1000	6	RUPESH	ritesh	1	O		8
Q1539-02	TAPFTA-MW01I-031025-0 0-T2	SVOC-TCL BNA -20	930	6	RUPESH	ritesh	1	O		9

WORKLIST(Hardcopy Internal Chain)

WorkList Name : Q1522

WorkList ID : 188221

Department : Extraction

Date : 03-12-2025 08:39:49

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q1502-03	PT-BN-WP	Water	SVOCMS Group1	Cool 4 deg C	ALLI03	QA Of	03/03/2025	8270E
Q1502-06	PT-ACIDS-WP	Water	SVOCMS Group2	Cool 4 deg C	ALLI03	QA Of	03/03/2025	8270E
Q1502-22	RR-TRIAZINE-WP	Water	SVOCMS Group6	Cool 4 deg C	ALLI03	QA Of	03/07/2025	8270E
Q1522-02	TW-WTS-04	Water	SVOCMS Group4	Cool 4 deg C	ENTA05	H31	03/06/2025	8270E
Q1539-01	TAPIAL3-MW03D-031025-00-T	Water	SVOC-TCL BNA -20	Cool 4 deg C	WEST04	I31	03/10/2025	8270E
Q1539-02	TAPFTA-MW01I-031025-00-T2	Water	SVOC-TCL BNA -20	Cool 4 deg C	WEST04	I31	03/10/2025	8270E

Date/Time 3/12/25 8:40
 Raw Sample Received by: RS (Ext Lab)
 Raw Sample Relinquished by: CP SM

Date/Time 3/12/25 9:15
 Raw Sample Received by: CP SM
 Raw Sample Relinquished by: RS (Ext Lab)

Prep Standard - Chemical Standard Summary

Order ID : Q1539
Test : SVOC-TCL BNA -20

Prepbatch ID : PB167097,
Sequence ID/Qc Batch ID: BF031325,

Standard ID :
EP2559,EP2565,EP2593,SP6638,SP6685,SP6686,SP6717,SP6720,SP6721,SP6722,SP6723,SP6724,SP6725,SP6726,SP6727,SP6728,SP6729,

Chemical ID :
10ul/1000ul
sample,E3551,E3657,E3815,E3828,E3846,E3871,E3874,E3878,M5173,S10104,S10246,S10397,S10584,S10978,S10979,S10980,S11004,S11005,S11006,S11007,S11008,S11009,S11010,S11074,S11087,S11143,S11161,S11487,S11495,S11650,S11781,S11782,S11783,S11784,S11785,S12114,S12142,S12143,S12144,S12145,S12146,S12187,S12188,S12189,S12207,S12208,S12270,S12276,S12327,S12469,S12470,S12471,S12472,S12473,S12474,S12475,S12476,S12477,S12478,S12517,S12518,S12519,S12520,S12521,S12522,S12523,S12524,S12525,S12649,S12655,S12791,S12963,S12964,S12965,S12966,W3112,

Extractions STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
1874	10 N SODIUM HYDROXIDE SOLN	EP2559	11/14/2024	05/14/2025	Rajesh Parikh	Extraction_SC ALE_2 (EX-SC-2)	None	RUPESHKUMAR SHAH 11/14/2024
FROM 1000.00000ml of W3112 + 400.00000gram of E3657 = Final Quantity: 1000.000 ml								

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
314	1.1 H2SO4 SOLN	EP2565	11/20/2024	05/20/2025	Rajesh Parikh	None	None	RUPESHKUMAR SHAH 11/20/2024
FROM 1000.00000ml of M5173 + 1000.00000ml of W3112 = Final Quantity: 2000.000 ml								

Extractions STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
3923	Baked Sodium Sulfate	EP2593	03/07/2025	07/01/2025	RUPESHKUMAR SHAH	Extraction_SC ALE_2 (EX-SC-2)	None	Riteshkumar Patel 03/07/2025

FROM 4000.00000gram of E3551 = Final Quantity: 4000.000 gram

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
19	8270/CLP Surrogate Solution, 100 PPM BN/150 PPM ACID	SP6638	10/10/2024	04/04/2025	Jagrut Upadhyay	None	None	mohammad ahmed 10/18/2024

FROM 1930.00000ml of E3815 + 5.00000ml of S10978 + 5.00000ml of S10979 + 5.00000ml of S10980 + 5.00000ml of S11004 + 5.00000ml of S11005 + 5.00000ml of S11006 + 5.00000ml of S11007 + 5.00000ml of S11008 + 5.00000ml of S11009 + 5.00000ml of S11010 + 5.00000ml of S12187 + 5.00000ml of S12188 + 5.00000ml of S12189 + 5.00000ml of S12207 = Final Quantity: 2000.000 ml

[illegible]

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
416	40 ng BNA ICV, 40 PPM	SP6686	11/15/2024	04/10/2025	Jagrut Upadhyay	None	None	Yogesh Patel 12/27/2024
<u>FROM</u> 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 DFTTP 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



<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
3764	8270/625 Stock solution 100 ng	SP6721	01/30/2025	05/12/2025	Jagrut Upadhyay	None	None	Shreena Patel 02/07/2025
FROM 0.26700ml of S10104 + 0.40000ml of S11495 + 0.50000ml of S12114 + 1.00000ml of S11087 + 1.00000ml of S11161 + 1.00000ml of S12270 + 1.00000ml of S12276 + 1.00000ml of S12791 + 3.83300ml of E3874 = Final Quantity: 10.000 ml								

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
413	80 ng BNA ICC, 80 PPM	SP6722	01/30/2025	05/12/2025	Jagrut Upadhyay	None	None	Shreena Patel 02/07/2025
FROM 0.01000ml of S12649 + 0.20000ml of E3874 + 0.80000ml of SP6721 = Final Quantity: 1.010 ml								

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	Shreena 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	Shreena 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	Shreena 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	Shreena 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	Shreena 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	Shreena Patel
								02/07/2025

FROM 0.01000ml of S12649 + 0.95000ml of E3874 + 0.05000ml of SP6721 = Final Quantity: 1.010 ml



<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
175	2.5 ng BNA ICC, 2.5 PPM	SP6729	01/30/2025	05/12/2025	Jagrut Upadhyay	None	None	Shreena Patel 02/07/2025
<u>FROM</u>	0.01000ml of S12649 + 0.50000ml of E3874 + 0.50000ml of SP6728 = Final Quantity: 1.010 ml							

CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
PCI Scientific Supply, Inc.	PC19631-100 / SODIUM SULFATE, ANHYDROUS, PEST GRADE, 1	313201	07/01/2025	01/03/2024 / Rajesh	07/20/2023 / Rajesh	E3551

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
PCI Scientific Supply, Inc.	PC19510-5 / Sodium Hydroxide Pellets 2.5 Kg, Pk of 4	23B1556310	12/31/2025	12/04/2023 / Rajesh	12/01/2023 / Rajesh	E3657

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	07/14/2025	01/14/2025 / Rajesh	12/27/2024 / Rajesh	E3871

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)	25A0262002	07/30/2025	01/30/2025 / Rajesh	01/20/2025 / Rajesh	E3874

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-9644-A4 / Methylene Chloride,U-Resi, Cycle-Tainer (215L)	24K1762005	08/14/2025	02/14/2025 / Rajesh	12/27/2024 / Rajesh	E3878

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-9673-33 / Sulfuric Acid, Instra-Analyzed (cs/6c2.5L)	0000281827	06/02/2025	06/01/2022 / william	04/05/2022 / william	M5173

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
CPI International	Z-112090-04 / CLP Acid Surrogate Solution, 7500 mg/L, 1ml	440246	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	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 #
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	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	05/12/2025	11/12/2024 / Jagrut	08/11/2023 / Yogesh	S11495

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555872 / Custom Standard, pentachlorophenol Std [CS 5328-5]	A0201728	07/29/2025	01/29/2025 / anahy	11/09/2023 / Yogesh	S11650

CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31853 / 1,4-Dioxane, 2000 ug/ml , Solvent: Methylene Chloride	A0196453	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

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

CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31850 / 8270 SV Mix, 8270 Mega Mix 1mL, 1000ug/mL, CH ₂ Cl ₂ [New Solvent 100% CH ₂ Cl ₂]	A0203726	04/30/2025	11/14/2024 / anahy	03/15/2024 / Rahul	S12142

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	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

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

CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31087 / Acid Surrogate 10,000ug/ml,methanol,5ml/ ampul	A0206206	04/10/2025	10/10/2024 / anahy	03/15/2024 / Rahul	S12188

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31087 / Acid Surrogate 10,000ug/ml,methanol,5ml/ ampul	A0206206	04/10/2025	10/10/2024 / anahy	03/15/2024 / Rahul	S12189

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31086 / Base Neutral Surrogate 5000ug/ml,CH ₂ Cl ₂ ,5ml	A0206381	04/10/2025	10/10/2024 / anahy	03/15/2024 / Rahul	S12207

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31086 / Base Neutral Surrogate 5000ug/ml,CH ₂ Cl ₂ ,5ml	A0206381	05/15/2025	11/15/2024 / Jagrut	03/15/2024 / Rahul	S12208

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	05/12/2025	11/12/2024 / Jagrut	05/24/2024 / Rahul	S12276

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	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]	A0214021	05/14/2025	11/14/2024 / anahy	07/23/2024 / RAHUL	S12469

[CS 4978-1]

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	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]

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	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]

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]

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	07/03/2025	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]

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]

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	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]

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	09/13/2025	03/13/2025 / Jagrut	09/20/2024 / anahy	S12655

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

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	DIW / DI Water	Daily Lab-Certified	07/03/2029	07/03/2024 / lwona	07/03/2024 / lwona	W3112



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-010074-07	406703	≤ -10 °C	Methylene Chloride	3/30/2025	3,3'-Dichlorobenzidine Solution, 1,000 mg/L, 1 mL

Compound	CAS No.	Purity (%)	Compound Lot No.	Concentration, mg/L
3,3'-dichlorobenzidine	91-94-1	99.5	74.3.26P	989 ± 7.53

Received on
02/07/23
by
CG
S11084
to
S11088

*Not a certified value

Certified By: _____

Jacob Mulloy
Chemist

All weights are traceable through N. I. S. T. Test No. 822/264157-00.
Concentration (correct for purity) and uncertainty (95% confidence) values
listed are determined gravimetrically.



5580 Skylane Blvd
Santa Rosa, CA 95403

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Manufacturer's Quality System
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Date Received: _____

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Rev 0

Page 1 of 1

Catalog No.:	Lot No.:	Storage:	Solvent:	Exp. Date:	Description:
Z-110817-01	414125	≤ -10 °C	Methylene Chloride	6/21/2025	Custom 8270 Mix, 4-55, 1000 mg/L, 1 mL

Compound	CAS No.	Purity (%)	Compound Lot No.	Concentration, mg/L
acetophenone	98-86-2	99.2	85.8.1P	998 ± 11.5
benzoic acid	65-85-0	100	123.7.1P	1010 ± 5.88
biphenyl	92-52-4	99.9	366.29.1P	999 ± 5.82
1,2,4,5-tetrachlorobenzene	95-94-3	99.7	53.7.2P	993 ± 5.79

Received on
02/07/23
by
CG
S11089
to
S11093

*Not a certified value

Manufactured by o2si smart solutions, Accredited to ISO 9001:2008 by NSF and ISO/IEC 17025:2005 (Certification No. 3031.01) and ISO Guide 34:2009 (Certification No. 3031.02) by A2LA

Certified By: _____

Shane Overcash
Chemist

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

(707)525-5788
(800)878-7654 Toll Free
(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-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

Received on

02/25/21

by
CG

S9236
to

S9240

*Not a certified value

Manufactured by o2si smart solutions, Accredited to ISO 9001:2008 by NSF and ISO/IEC 17025:2005 (Certification No. 3031.01) and ISO Guide 34:2009 (Certification No. 3031.02) by A2LA

All weights are traceable through N. I. S. T. Test No. 822/264157-00.
Concentration (correct for purity) and uncertainty (95% confidence) values listed are determined gravimetrically.

Certified By: _____

Erica Castiglione
Chemist



110 Benner Circle
Bellefonte, PA 16823-8812
Tel: (800)356-1688
Fax: (814)353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis



FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Received 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 Gravimetric +/- 45.7132 µg/mL Unstressed +/- 66.0037 µg/mL Stressed
2	DFTPP (Decafluorotriphenylphosphine) CAS # 5074-71-5 (Lot Q117-147) Purity 95%	1,006.6 µg/mL	+/- 5.9074 µg/mL Gravimetric +/- 45.8508 µg/mL Unstressed +/- 66.2023 µg/mL Stressed
3	Benzidine CAS # 92-87-5 (Lot 211228JLM) Purity 99%	1,008.4 µg/mL	+/- 5.9179 µg/mL Gravimetric +/- 45.9318 µg/mL Unstressed +/- 66.3193 µg/mL Stressed
4	4,4'-DDT CAS # 50-29-3 (Lot 210916JLM) Purity 99%	1,007.6 µg/mL	+/- 5.9132 µg/mL Gravimetric +/- 45.8954 µg/mL Unstressed +/- 66.2667 µg/mL 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:

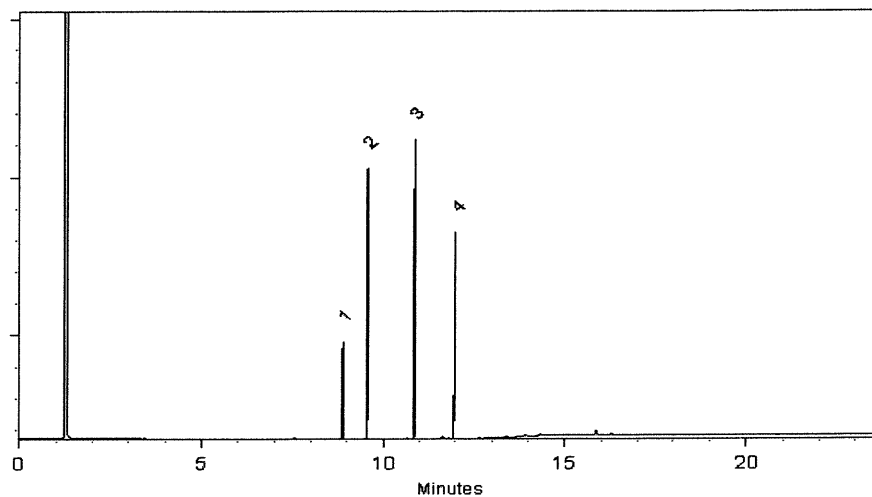
250°C

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



CERTIFIED REFERENCE MATERIAL

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Bellefonte, PA 16823-8812
Tel: (800)356-1688
Fax: (814)353-1309

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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	25,060.0 µg/mL	+/- 231.9100 µg/mL Gravimetric
	CAS # 100-02-7		+/- 753.2622 µg/mL Unstressed
	Purity 99%		+/- 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



FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Received by
CG
on
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.



CERTIFIED REFERENCE MATERIAL

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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
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:

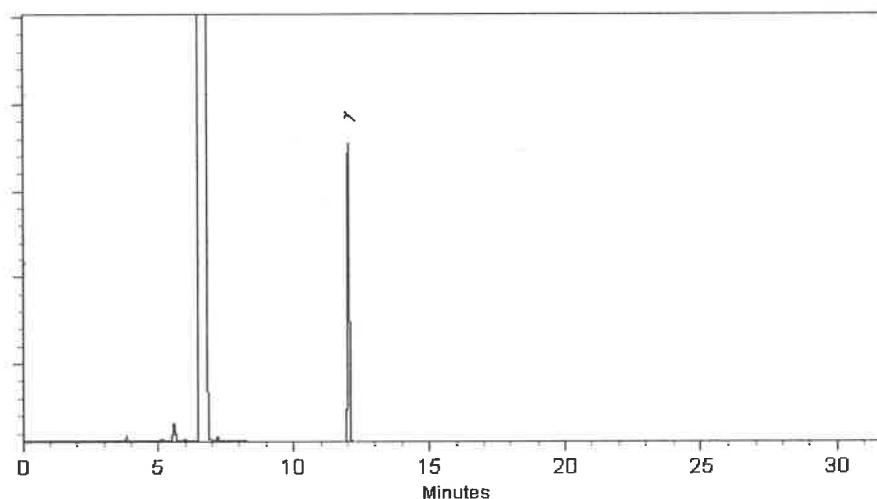
200°C

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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ISO 17034 Accredited
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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
FO
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:

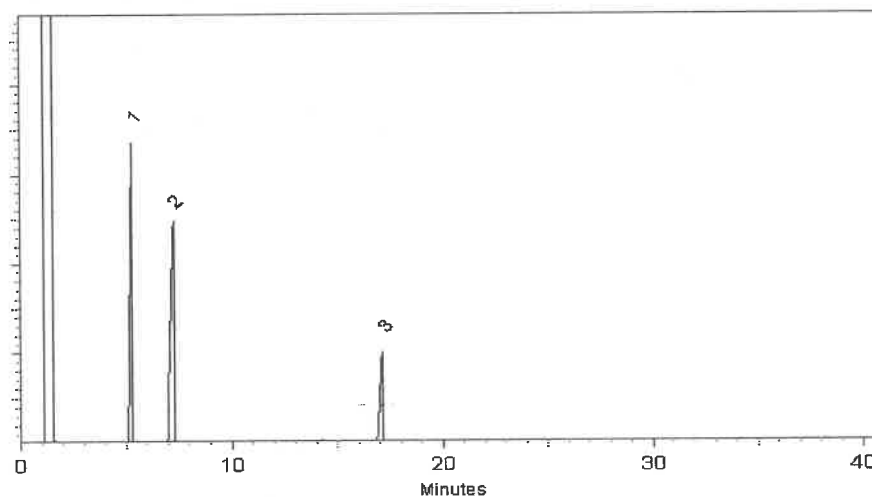
250°C

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
Registered Quality System
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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
S10951
to
S10980

Catalog No. : 31087 **Lot No.:** A0188108

Description : Acid Surrogate Mix (4/89 SOW)
Acid Surrogate 10,000µg/mL, Methanol, 5mL/ampul

Container Size : 5 mL **Pkg Amt:** > 5 mL

Expiration Date : August 31, 2030 **Storage:** 10°C or colder
Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)
1	2-Fluorophenol CAS # 367-12-4 Purity 99% (Lot STBF3761V)	10,088.5 µg/mL	+/- 58.6554 µg/mL Gravimetric +/- 294.4162 µg/mL Unstressed +/- 357.2628 µg/mL Stressed
2	Phenol-d6 CAS # 13127-88-3 Purity 99% (Lot PR-31262)	10,043.3 µg/mL	+/- 58.3923 µg/mL Gravimetric +/- 293.0957 µg/mL Unstressed +/- 355.6603 µg/mL Stressed
3	2,4,6-Tribromophenol CAS # 118-79-6 Purity 99% (Lot MKCJ7664)	10,010.0 µg/mL	+/- 58.1990 µg/mL Gravimetric +/- 292.1253 µg/mL Unstressed +/- 354.4829 µg/mL Stressed

Solvent: Methanol
CAS # 67-56-1
Purity 99%

Column:

30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

Carrier Gas:

hydrogen-constant pressure 10 psi.

Temp. Program:

40°C (hold 2 min.) to 330°C
@ 10°C/min. (hold 10 min.)

Inj. Temp:

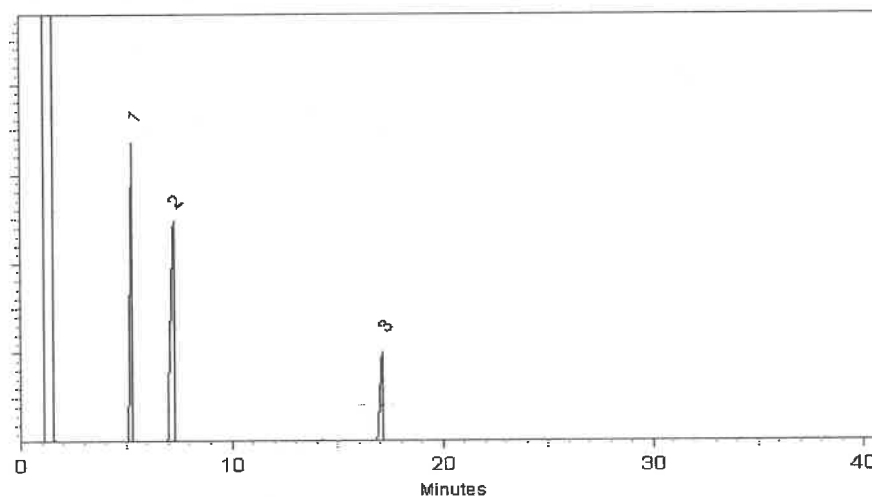
250°C

Det. Temp:

330°C

Det. Type:

FID



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Morgan Craighead - Mix Technician

Date Mixed: 02-Aug-2022

Balance: 1127510105

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 05-Aug-2022

Manufactured under Restek's ISO 9001:2015
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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
FO
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:

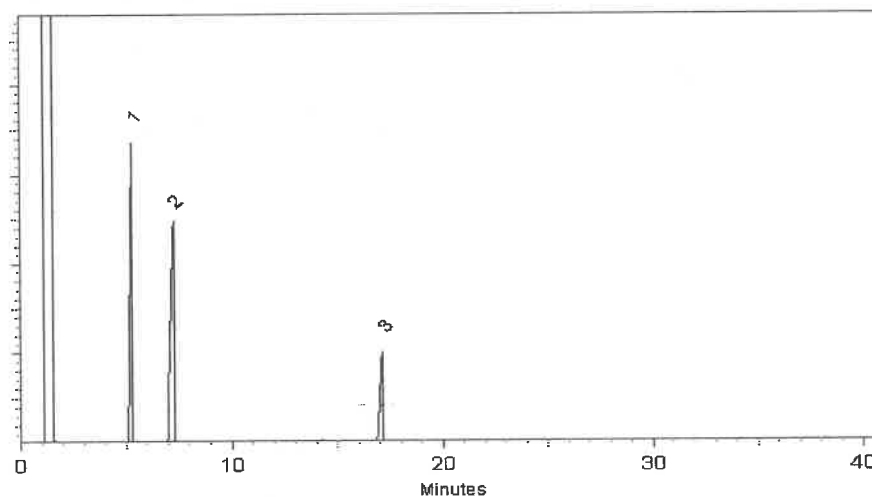
250°C

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

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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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S11010

CERTIFIED VALUES

Elution Order	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)
1	Nitrobenzene-d5 CAS # 4165-60-0 (Lot PR-29940A) Purity 99%	5,009.8 µg/mL	+/- 29.1271 µg/mL Gravimetric +/- 225.6421 µg/mL Unstressed +/- 250.3778 µg/mL Stressed
2	2-Fluorobiphenyl CAS # 321-60-8 (Lot 00021384) Purity 99%	5,026.6 µg/mL	+/- 29.2250 µg/mL Gravimetric +/- 226.4003 µg/mL Unstressed +/- 251.2191 µg/mL Stressed
3	p-Terphenyl-d14 CAS # 1718-51-0 (Lot PR-30504) Purity 99%	5,027.3 µg/mL	+/- 29.2289 µg/mL Gravimetric +/- 226.4304 µg/mL Unstressed +/- 251.2524 µg/mL Stressed

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

Tech Tips:

Due to the limited solubility of p-terphenyl-d14 in methanol, we do not recommend that this mixture be diluted in methanol.

Column:

30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

Carrier Gas:

hydrogen-constant pressure 10 psi.

Temp. Program:

40°C (hold 2 min.) to 330°C
@ 10°C/min. (hold 10 min.)

Inj. Temp:

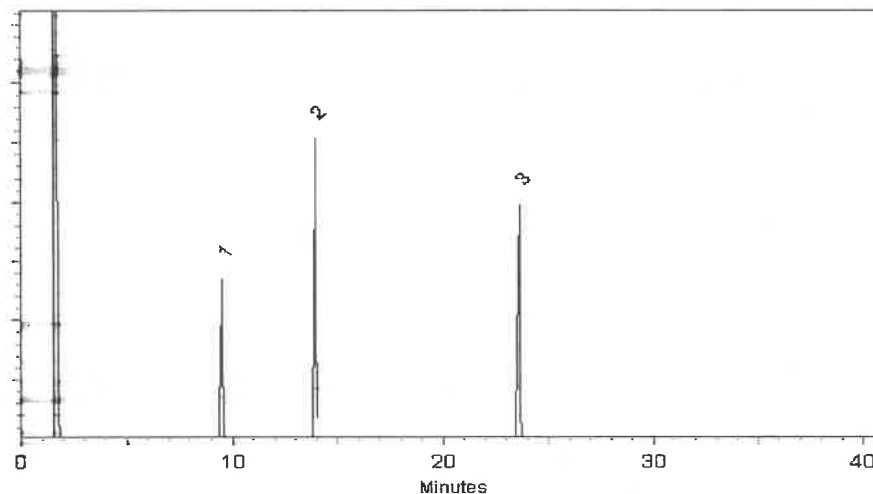
250°C

Det. Temp:

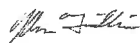
330°C

Det. Type:

FID



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.


John Friedline - Operations Technician I

Date Mixed: 09-Sep-2022

Balance: 1128353505


Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 13-Sep-2022

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Certificate of Analysis



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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.:** 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)
1	Nitrobenzene-d5 CAS # 4165-60-0 (Lot PR-29940A) Purity 99%	5,009.8 µg/mL	+/- 29.1271 µg/mL Gravimetric +/- 225.6421 µg/mL Unstressed +/- 250.3778 µg/mL Stressed
2	2-Fluorobiphenyl CAS # 321-60-8 (Lot 00021384) Purity 99%	5,026.6 µg/mL	+/- 29.2250 µg/mL Gravimetric +/- 226.4003 µg/mL Unstressed +/- 251.2191 µg/mL Stressed
3	p-Terphenyl-d14 CAS # 1718-51-0 (Lot PR-30504) Purity 99%	5,027.3 µg/mL	+/- 29.2289 µg/mL Gravimetric +/- 226.4304 µg/mL Unstressed +/- 251.2524 µg/mL Stressed

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

Tech Tips:

Due to the limited solubility of p-terphenyl-d14 in methanol, we do not recommend that this mixture be diluted in methanol.

Column:

30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

Carrier Gas:

hydrogen-constant pressure 10 psi.

Temp. Program:

40°C (hold 2 min.) to 330°C
@ 10°C/min. (hold 10 min.)

Inj. Temp:

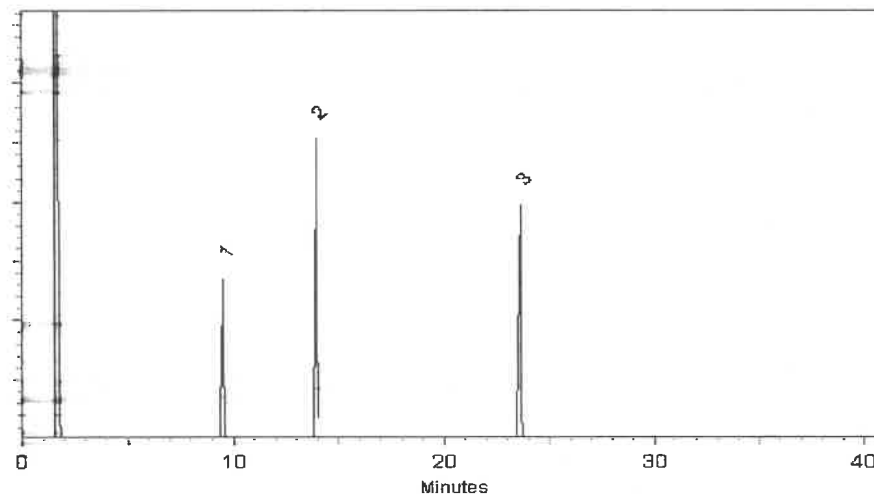
250°C

Det. Temp:

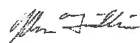
330°C

Det. Type:

FID



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.


John Friedline - Operations Technician I

Date Mixed: 09-Sep-2022

Balance: 1128353505


Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 13-Sep-2022

Manufactured under Restek's ISO 9001:2015
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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

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)
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:

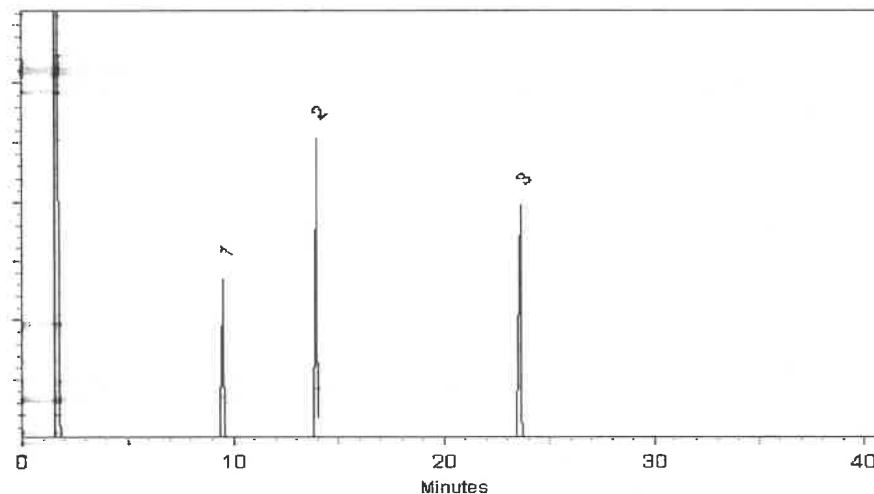
250°C

Det. Temp:

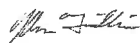
330°C

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
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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. : 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)
1	Nitrobenzene-d5 CAS # 4165-60-0 (Lot PR-29940A) Purity 99%	5,009.8 µg/mL	+/- 29.1271 µg/mL Gravimetric +/- 225.6421 µg/mL Unstressed +/- 250.3778 µg/mL Stressed
2	2-Fluorobiphenyl CAS # 321-60-8 (Lot 00021384) Purity 99%	5,026.6 µg/mL	+/- 29.2250 µg/mL Gravimetric +/- 226.4003 µg/mL Unstressed +/- 251.2191 µg/mL Stressed
3	p-Terphenyl-d14 CAS # 1718-51-0 (Lot PR-30504) Purity 99%	5,027.3 µg/mL	+/- 29.2289 µg/mL Gravimetric +/- 226.4304 µg/mL Unstressed +/- 251.2524 µg/mL Stressed

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

Tech Tips:

Due to the limited solubility of p-terphenyl-d14 in methanol, we do not recommend that this mixture be diluted in methanol.

Column:

30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

Carrier Gas:

hydrogen-constant pressure 10 psi.

Temp. Program:

40°C (hold 2 min.) to 330°C
@ 10°C/min. (hold 10 min.)

Inj. Temp:

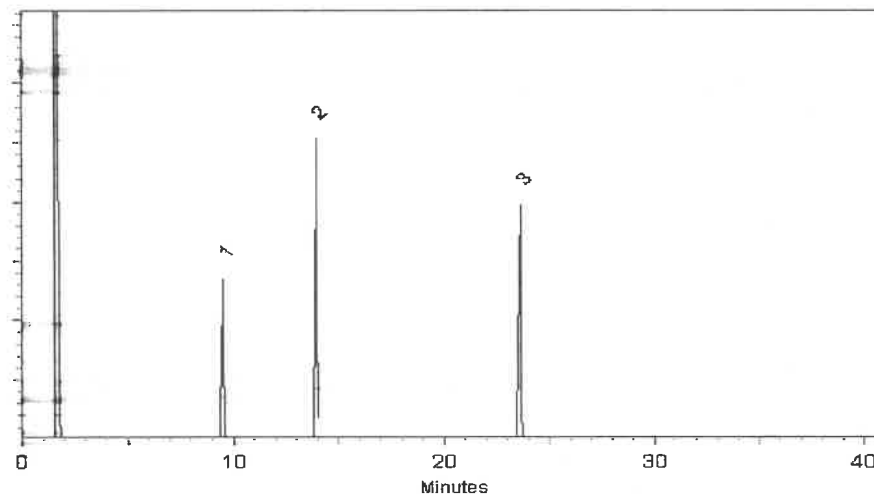
250°C

Det. Temp:

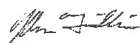
330°C

Det. Type:

FID



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.


John Friedline - Operations Technician I

Date Mixed: 09-Sep-2022

Balance: 1128353505


Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 13-Sep-2022

Manufactured under Restek's ISO 9001:2015
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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.:** 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)
1	Nitrobenzene-d5 CAS # 4165-60-0 (Lot PR-29940A) Purity 99%	5,009.8 µg/mL	+/- 29.1271 µg/mL Gravimetric +/- 225.6421 µg/mL Unstressed +/- 250.3778 µg/mL Stressed
2	2-Fluorobiphenyl CAS # 321-60-8 (Lot 00021384) Purity 99%	5,026.6 µg/mL	+/- 29.2250 µg/mL Gravimetric +/- 226.4003 µg/mL Unstressed +/- 251.2191 µg/mL Stressed
3	p-Terphenyl-d14 CAS # 1718-51-0 (Lot PR-30504) Purity 99%	5,027.3 µg/mL	+/- 29.2289 µg/mL Gravimetric +/- 226.4304 µg/mL Unstressed +/- 251.2524 µg/mL Stressed

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

Tech Tips:

Due to the limited solubility of p-terphenyl-d14 in methanol, we do not recommend that this mixture be diluted in methanol.

Column:

30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

Carrier Gas:

hydrogen-constant pressure 10 psi.

Temp. Program:

40°C (hold 2 min.) to 330°C
@ 10°C/min. (hold 10 min.)

Inj. Temp:

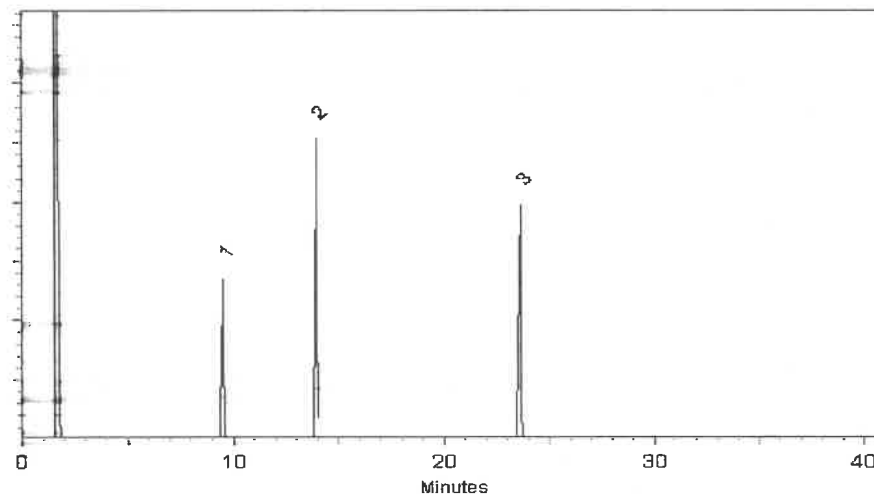
250°C

Det. Temp:

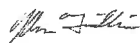
330°C

Det. Type:

FID



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.


John Friedline - Operations Technician I

Date Mixed: 09-Sep-2022

Balance: 1128353505


Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 13-Sep-2022

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397



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CERTIFIED REFERENCE MATERIAL

Certificate of Analysis



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)
1	Nitrobenzene-d5 CAS # 4165-60-0 (Lot PR-29940A) Purity 99%	5,009.8 µg/mL	+/- 29.1271 µg/mL Gravimetric +/- 225.6421 µg/mL Unstressed +/- 250.3778 µg/mL Stressed
2	2-Fluorobiphenyl CAS # 321-60-8 (Lot 00021384) Purity 99%	5,026.6 µg/mL	+/- 29.2250 µg/mL Gravimetric +/- 226.4003 µg/mL Unstressed +/- 251.2191 µg/mL Stressed
3	p-Terphenyl-d14 CAS # 1718-51-0 (Lot PR-30504) Purity 99%	5,027.3 µg/mL	+/- 29.2289 µg/mL Gravimetric +/- 226.4304 µg/mL Unstressed +/- 251.2524 µg/mL Stressed

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

Tech Tips:

Due to the limited solubility of p-terphenyl-d14 in methanol, we do not recommend that this mixture be diluted in methanol.

Column:

30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

Carrier Gas:

hydrogen-constant pressure 10 psi.

Temp. Program:

40°C (hold 2 min.) to 330°C
@ 10°C/min. (hold 10 min.)

Inj. Temp:

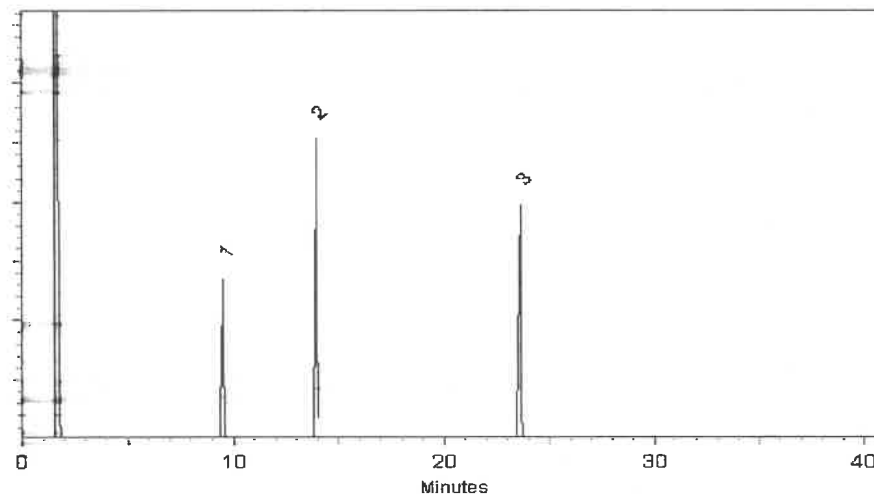
250°C

Det. Temp:

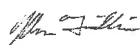
330°C

Det. Type:

FID



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.


John Friedline - Operations Technician I

Date Mixed: 09-Sep-2022

Balance: 1128353505


Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 13-Sep-2022

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397



110 Benner Circle
Bellefonte, PA 16823-8812
Tel: (800)356-1688
Fax: (814)353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis



FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

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Received by
CG on
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\$10981
to
\$11010

Catalog No. : 31086 **Lot No.:** A0189418
Description : B/N Surrogate Mix (4/89 SOW)
Base Neutral Surrogate 5000µg/mL, Methylene Chloride, 5mL/ampul
Container Size : 5 mL **Pkg Amt:** > 5 mL
Expiration Date : August 31, 2028 **Storage:** 10°C or colder
Handling: Sonicate prior to use. **Ship:** Ambient

CERTIFIED VALUES

Elution Order	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)
1	Nitrobenzene-d5 CAS # 4165-60-0 (Lot PR-29940A) Purity 99%	5,009.8 µg/mL	+/- 29.1271 µg/mL Gravimetric +/- 225.6421 µg/mL Unstressed +/- 250.3778 µg/mL Stressed
2	2-Fluorobiphenyl CAS # 321-60-8 (Lot 00021384) Purity 99%	5,026.6 µg/mL	+/- 29.2250 µg/mL Gravimetric +/- 226.4003 µg/mL Unstressed +/- 251.2191 µg/mL Stressed
3	p-Terphenyl-d14 CAS # 1718-51-0 (Lot PR-30504) Purity 99%	5,027.3 µg/mL	+/- 29.2289 µg/mL Gravimetric +/- 226.4304 µg/mL Unstressed +/- 251.2524 µg/mL Stressed

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

Tech Tips:

Due to the limited solubility of p-terphenyl-d14 in methanol, we do not recommend that this mixture be diluted in methanol.

Column:

30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

Carrier Gas:

hydrogen-constant pressure 10 psi.

Temp. Program:

40°C (hold 2 min.) to 330°C
@ 10°C/min. (hold 10 min.)

Inj. Temp:

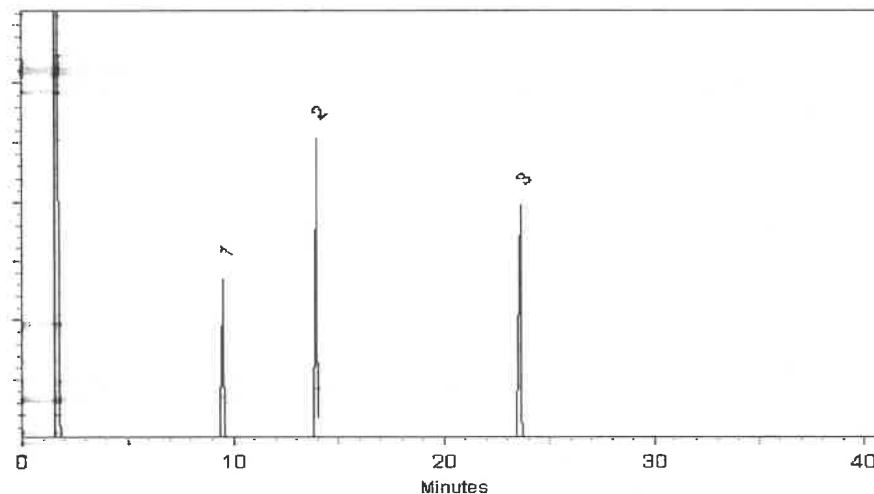
250°C

Det. Temp:

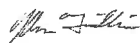
330°C

Det. Type:

FID



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.


John Friedline - Operations Technician I

Date Mixed: 09-Sep-2022

Balance: 1128353505


Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 13-Sep-2022

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397



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. : 555869 **Lot No.:** A0194702

Description : Custom Hexachlorocyclopentadiene Standard

Custom Hexachlorocyclopentadiene Standard 25,000µg/mL, Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : February 28, 2026 **Storage:** 10°C or colder

Ship: Ambient

CERTIFIED

Component #	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)
1	Hexachlorocyclopentadiene	77-47-4	0012019	99%	25,008.0 µg/mL

Solvent: Methanol
CAS # 67-56-1
Purity 99%

Russ Bookhamer - Operations Technician I

Date Mixed: 15-Feb-2023

Balance: B442140311

Manufactured under Restek
Registered Quality
Certificate #FM1

ified Reference Material Notes

es:

n date valid for unopened ampul stored in compliance with the recommended conditions.
ty, concentration, and expiration of the CRM are based on the unopened product being stored according to the
ended condition found in the storage field.

d/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD,
LC/MS, RI, and/or melting point.

nds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A
n factor is used to calculate the amount of compound necessary to achieve the desired concentration of the
mpound in solution.

isomeric compounds is reported as the sum of the isomers.

ues are rounded to the nearest whole number.

rtainty Value Notes:

rtainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded
ty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability
ty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k \sqrt{u_{gravimetric}^2 + u_{homogeneity}^2 + u_{storage\ stability}^2 + u_{shipping\ stability}^2}$$

rage factor of 2, which gives a level of confidence of approximately 95%.

ged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure
nimum packaged amount can be sufficiently transferred.

Notes:

tion is based upon gravimetric preparation using either a balance whose calibration has been verified daily
traceable weights, and/or dilutions with Class A glassware.

:

the unopened product, when stored in compliance with the recommended conditions, is guaranteed through
ion displayed on the product label and certificate. Contact Restek for additional opened product stability
i, with the knowledge/understanding that open product stability is subject to the specific handling and
ntal conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with
ards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom
m. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861,
des complete instructions.

ssolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely



**PRODUCTOS
QUÍMICOS
MONTERREY, S.A. DE C.V.**

MIRADOR 201, COL. MIRADOR
MONTERREY, N.L. MEXICO
CP 64070
TEL +52 81 13 52 57 57
www.pqm.com.mx

CERTIFICATE OF ANALYSIS

PRODUCT :	SODIUM SULFATE CRYSTALS ANHYDROUS		
QUALITY :	ACS (CODE RMB3375)	FORMULA :	Na ₂ SO ₄
SPECIFICATION NUMBER :	6399	RELEASE DATE:	ABR/21/2023
LOT NUMBER :	313201		

TEST	SPECIFICATIONS	LOT VALUES
Assay (Na ₂ SO ₄)	Min. 99.0%	99.7 %
pH of a 5% solution at 25°C	5.2 - 9.2	6.1
Insoluble matter	Max. 0.01%	0.005 %
Loss on ignition	Max. 0.5%	0.1 %
Chloride (Cl)	Max. 0.001%	<0.001 %
Nitrogen compounds (as N)	Max. 5 ppm	<5 ppm
Phosphate (PO ₄)	Max. 0.001%	<0.001 %
Heavy metals (as Pb)	Max. 5 ppm	<5 ppm
Iron (Fe)	Max. 0.001%	<0.001 %
Calcium (Ca)	Max. 0.01%	0.002 %
Magnesium (Mg)	Max. 0.005%	0.001 %
Potassium (K)	Max. 0.008%	0.003 %
Extraction-concentration suitability	Passes test	Passes test
Appearance	Passes test	Passes test
Identification	Passes test	Passes test
Solubility and foreign matter	Passes test	Passes test
Retained on US Standard No. 10 sieve	Max. 1%	0.1 %
Retained on US Standard No. 60 sieve	Min. 94%	97.3 %
Through US Standard No. 60 sieve	Max. 5%	2.5 %
Through US Standard No. 100 sieve	Max. 10%	0.1 %

COMMENTS

QC: PhC Irma Belmares

If you need further details, please call our factory or contact our local distributor.

Recd. by R3 on 7/24/23 E 3551

RC-02-01, Ed. 3



Certificate of Analysis

Sodium Hydroxide (Pellets)

Material: 0583
Grade: ACS GRADE
Batch Number: 23B1556310

Chemical Formula: NaOH
Molecular Weight: 40
CAS #: 1310-73-2
Appearance:

Manufacture Date: 12/14/2022
Expiration Date: 12/31/2025

Storage: Room Temperature

Pellets

TEST	SPECIFICATION	ANALYSIS	DISPOSITION
Calcium	$\leq 0.005 \%$	$< 0.005 \%$	PASS
Chloride	$\leq 0.005 \%$	0.002 %	PASS
Heavy Metals	$\leq 0.002 \%$	$< 0.002 \%$	PASS
Iron	$\leq 0.001 \%$	$< 0.001 \%$	PASS
Magnesium	$\leq 0.002 \%$	$< 0.002 \%$	PASS
Mercury	$\leq 0.1 \text{ ppm}$	$< 0.1 \text{ ppm}$	PASS
Nickel	$\leq 0.001 \%$	$< 0.001 \%$	PASS
Nitrogen Compounds	$\leq 0.001 \%$	$< 0.001 \%$	PASS
Phosphate	$\leq 0.001 \%$	$< 0.001 \%$	PASS
Potassium	$\leq 0.02 \%$	$< 0.02 \%$	PASS
Purity	$\geq 97.0 \%$	99.2 %	PASS
Sodium Carbonate	$\leq 1.0 \%$	0.5 %	PASS
Sulfate	$\leq 0.003 \%$	$< 0.003 \%$	PASS

Internal ID #: 710

Signature

We certify that this batch conforms to the specifications listed.

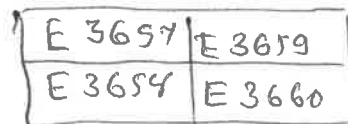
This document has been electronically produced and is valid without a signature.

Leona Edwardson, Quality Control Sr. Manager - Solon
VWR Chemicals, LLC.
28600 Fountain Parkway, Solon OH 44139 USA

Additional Information

Analysis may have been rounded to significant digits in specification limits.

Product meets analytical specifications of the grades listed.



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	≤ 1.0 ppm	0.2 ppm
Titration Acid ($\mu\text{eq/g}$)	≤ 0.3	< 0.1
Chloride (Cl)	≤ 10 ppm	< 5 ppm
Water (by KF, coulometric)	$\leq 0.02\%$	$< 0.01\%$

For Laboratory, Research, or Manufacturing Use

MEETS SPECIFICATIONS WITHIN THE EXPIRATION PERIOD

Country of Origin: United States

Packaging Site: Phillipsburg Mfg Ctr & DC

E 3828



Jamie Croak
Director Quality Operations, Bioscience Production

For questions on this Certificate of Analysis please contact Technical Services at 855.282.6867 or +1.610.386.1700

Avantor Performance Materials LLC

Acetone
BAKER RESI-ANALYZED® Reagent
For Organic Residue Analysis

 **avantors™**



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

Avantor Performance Materials LLC

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 Heptachlor Epoxide) 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)



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

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Avantor Performance Materials, LLC

100 Matsonford Rd, Suite 200, Radnor, PA, 19087, U.S.A. Phone 610.386.1700

Methylene Chloride
ULTRA RESI-ANALYZED
For Organic Residue Analysis
(dichloromethane)



Material No.: 9266-A4
Batch No.: 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	$\leq 1.0 \text{ ppm}$	0.5 ppm
Titration Acid ($\mu\text{eq/g}$)	≤ 0.3	0.0
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 3878

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

Hydrochloric Acid, 36.5–38.0%
BAKER INSTRA-ANALYZED® Reagent
For Trace Metal Analysis



Material No.: 9530-33
Batch No.: 0000281827
Manufactured Date: 2021/03/30
Retest Date: 2026/03/29
Revision No: 1

Certificate of Analysis

Test	Specification	Result
ACS – Assay (as HCl) (by acid–base titrn)	36.5 – 38.0 %	37.6
ACS – Color (APHA)	<= 10	5
ACS – Residue after Ignition	<= 3 ppm	1
ACS – Specific Gravity at 60°/60°F	1.185 – 1.192	1.189
ACS – Bromide (Br)	<= 0.005 %	< 0.005
ACS – Extractable Organic Substances	<= 5 ppm	< 1
ACS – Free Chlorine (as Cl ₂)	<= 0.5 ppm	< 0.5
Phosphate (PO ₄)	<= 0.05 ppm	< 0.03
Sulfate (SO ₄)	<= 0.5 ppm	< 0.3
Sulfite (SO ₃)	<= 0.8 ppm	0.3
Ammonium (NH ₄)	<= 3 ppm	< 1
Trace Impurities – Arsenic (As)	<= 0.010 ppm	< 0.003
Trace Impurities – Aluminum (Al)	<= 10.0 ppb	0.5
Arsenic and Antimony (as As)	<= 5 ppb	< 3
Trace Impurities – Barium (Ba)	<= 1.0 ppb	< 0.2
Trace Impurities – Beryllium (Be)	<= 1.0 ppb	< 0.2
Trace Impurities – Bismuth (Bi)	<= 10.0 ppb	< 1.0
Trace Impurities – Boron (B)	<= 20.0 ppb	< 5.0
Trace Impurities – Cadmium (Cd)	<= 1.0 ppb	< 0.3
Trace Impurities – Calcium (Ca)	<= 50.0 ppb	15.0
Trace Impurities – Chromium (Cr)	<= 1.0 ppb	< 0.4
Trace Impurities – Cobalt (Co)	<= 1.0 ppb	< 0.3
Trace Impurities – Copper (Cu)	<= 1.0 ppb	< 0.1
Trace Impurities – Gallium (Ga)	<= 1.0 ppb	< 0.2

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

Test	Specification	Result
Trace Impurities – Germanium (Ge)	<= 3.0 ppb	< 2.0
Trace Impurities – Gold (Au)	<= 4.0 ppb	3.0
Heavy Metals (as Pb)	<= 100 ppb	< 50
Trace Impurities – Iron (Fe)	<= 15.0 ppb	1.0
Trace Impurities – Lead (Pb)	<= 1.0 ppb	< 0.5
Trace Impurities – Lithium (Li)	<= 1.0 ppb	< 0.2
Trace Impurities – Magnesium (Mg)	<= 10.0 ppb	< 0.4
Trace Impurities – Manganese (Mn)	<= 1.0 ppb	< 0.4
Trace Impurities – Mercury (Hg)	<= 0.5 ppb	0.2
Trace Impurities – Molybdenum (Mo)	<= 10.0 ppb	< 5.0
Trace Impurities – Nickel (Ni)	<= 4.0 ppb	< 0.3
Trace Impurities – Niobium (Nb)	<= 1.0 ppb	< 0.2
Trace Impurities – Potassium (K)	<= 9.0 ppb	< 2.0
Trace Impurities – Selenium (Se), For Information Only	ppb	1.0
Trace Impurities – Silicon (Si)	<= 100.0 ppb	18.0
Trace Impurities – Silver (Ag)	<= 1.0 ppb	< 0.3
Trace Impurities – Sodium (Na)	<= 100.0 ppb	< 5.0
Trace Impurities – Strontium (Sr)	<= 1.0 ppb	< 0.2
Trace Impurities – Tantalum (Ta)	<= 1.0 ppb	< 0.9
Trace Impurities – Thallium (Tl)	<= 5.0 ppb	< 2.0
Trace Impurities – Tin (Sn)	<= 5.0 ppb	< 0.8
Trace Impurities – Titanium (Ti)	<= 1.0 ppb	< 0.2
Trace Impurities – Vanadium (V)	<= 1.0 ppb	< 0.2
Trace Impurities – Zinc (Zn)	<= 5.0 ppb	0.4
Trace Impurities – Zirconium (Zr)	<= 1.0 ppb	< 0.1

For Laboratory, Research or Manufacturing Use

Product Information (not specifications):

Appearance (clear, fuming liquid)

Meets ACS Specifications

Country of Origin: US

Packaging Site: Phillipsburg Mfg Ctr & DC


Jamie Ethier
Vice President Global Quality



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/ μ ECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k \sqrt{u_{gravimetric}^2 + u_{homogeneity}^2 + u_{storage\ stability}^2 + u_{shipping\ stability}^2}$$

k is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.



5580 Skylane Blvd
Santa Rosa, CA 95403

(707)525-5788
(800)878-7654 Toll Free
(707)545-7901 Fax

Manufacturer's Quality System
Audited & Registered
by TUV USA to ISO 9001:2015

Date Received: _____

Certificate of Analysis

Rev 0

Page 1 of 1

Catalog No.:	Lot No.:	Storage:	Solvent:	Exp. Date:	Description:
Z-110094-02	506889	≤ -10 °C	Methylene Chloride	7/25/2028	CLP Base/Neutral Surrogate Solution, 5,000 mg/L, 1 ml

Compound	CAS No.	Purity (%)	Compound Lot No.	Concentration, mg/L
1,2-dichlorobenzene-d ₄	2199-69-1	99.7	247.29.3P	5035 ± 28.02
2-fluorobiphenyl	321-60-8	99.69	8.286.1.1P	4999 ± 103.66
nitrobenzene-d ₅	4165-60-0	99.67	7.9.3P	4988 ± 27.32
p-terphenyl-d14	1718-51-0	99.3	9.120.8P	5005 ± 27.85

511494 } Y.P.
↓
511498 } 08/11/2023

*Not a certified value

Certified By: Shane C. Tipton
Clint Tipton
Chemist

All weights are traceable through N. I. S. T. Test No. 822/264157-00.
Concentration (correct for purity) and uncertainty (95% confidence) values
listed are determined gravimetrically.



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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.
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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:

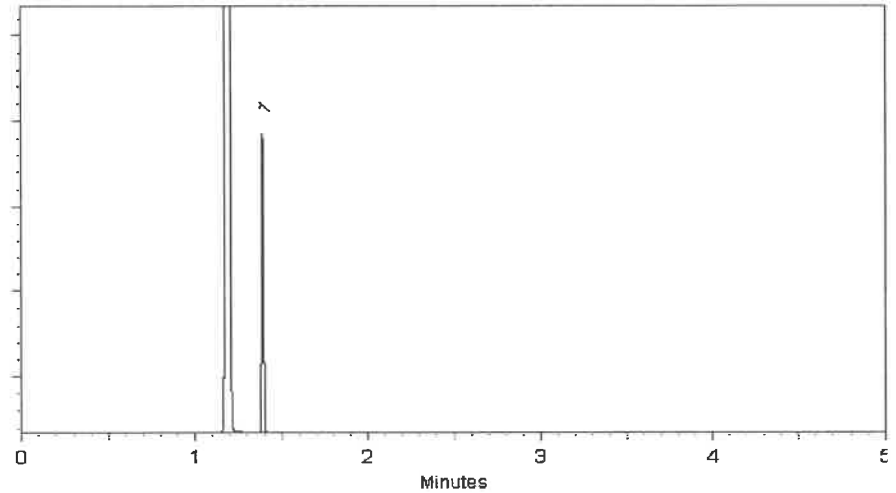
FID

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:

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- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

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Manufacturing Notes:

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Handling Notes:

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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:

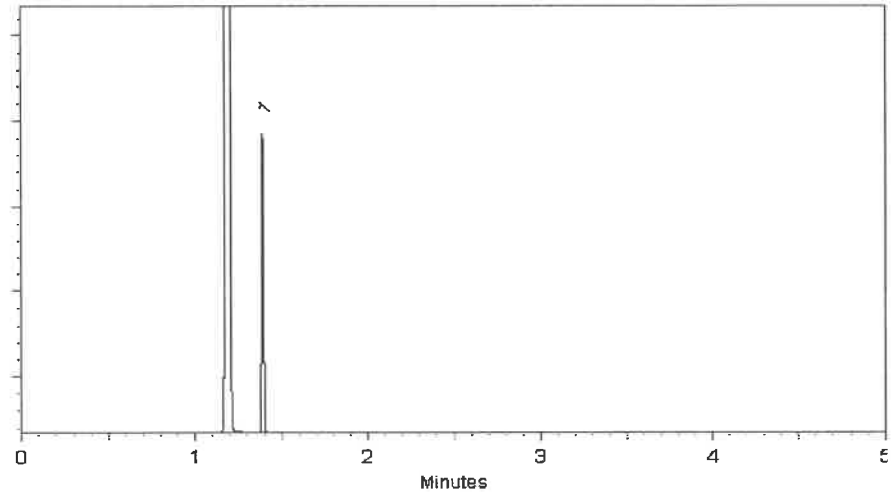
FID

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:

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Purity Notes:

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CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus



FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

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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:

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:

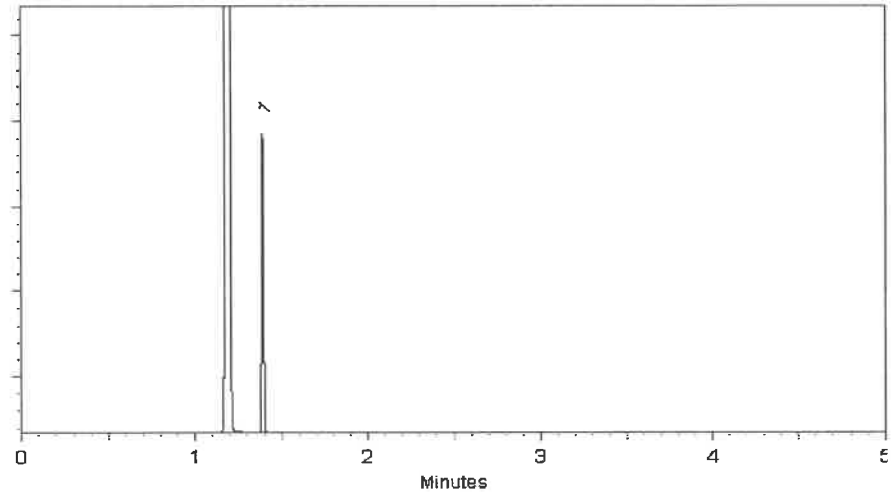
FID

Split Vent:

100 mL/min.

Inj. Vol

1µl



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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

Expiration Notes:

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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:

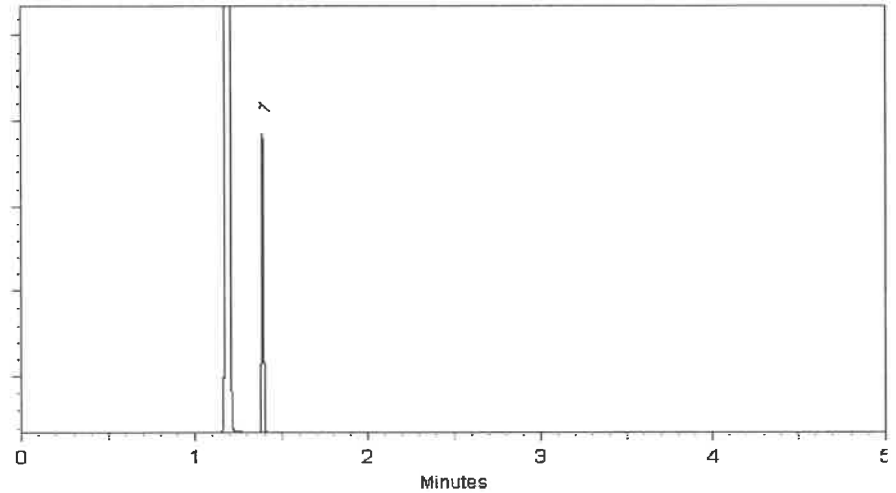
FID

Split Vent:

100 mL/min.

Inj. Vol

1µl



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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

Expiration Notes:

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CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus



FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

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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:

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:

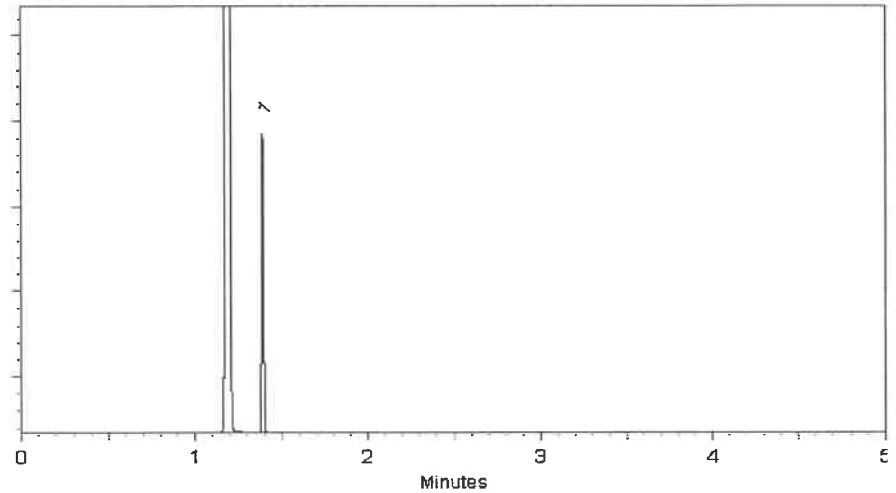
FID

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.



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-020223-01	454157	≤ -10 °C	P/T Methanol	6/10/2026	1,4-Dioxane Solution, 2000 mg/L, 1 mL

Compound	CAS No.	Purity (%)	Compound Lot No.	Concentration, mg/L
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

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.



110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus



FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 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
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
22	2,4-Dichlorophenol	120-83-2	BCBZ6787	99%	1,003.7	µg/mL	+/- 36.5180
23	1,2,4-Trichlorobenzene	120-82-1	SHBP5900	99%	1,007.6	µg/mL	+/- 36.6574
24	Naphthalene	91-20-3	STBL1057	99%	1,008.3	µg/mL	+/- 36.6837
25	4-Chloroaniline	106-47-8	BCCJ3217	99%	1,001.3	µg/mL	+/- 36.4290
26	Hexachlorobutadiene	87-68-3	RP230823RSR	98%	1,008.3	µg/mL	+/- 36.6829
27	4-Chloro-3-methylphenol	59-50-7	BCCD4461	99%	1,003.1	µg/mL	+/- 36.4937
28	2-Methylnaphthalene	91-57-6	STBK0259	96%	1,001.9	µg/mL	+/- 36.4505
29	1-Methylnaphthalene	90-12-0	5234.00-8	98%	1,000.0	µg/mL	+/- 36.3838
30	Hexachlorocyclopentadiene	77-47-4	099063I14L	98%	1,008.5	µg/mL	+/- 36.6909
31	2,4,6-Trichlorophenol	88-06-2	STBJ5914	99%	1,004.4	µg/mL	+/- 36.5442
32	2,4,5-Trichlorophenol	95-95-4	FHN01	98%	1,001.9	µg/mL	+/- 36.4512
33	2-Chloronaphthalene	91-58-7	RPN7O	99%	1,001.1	µg/mL	+/- 36.4230
34	2-Nitroaniline	88-74-4	RP230531	99%	1,002.9	µg/mL	+/- 36.4876
35	1,4-Dinitrobenzene	100-25-4	RP230816	99%	1,005.7	µg/mL	+/- 36.5887
36	Acenaphthylene	208-96-8	p06V	98%	1,009.5	µg/mL	+/- 36.7265
37	1,3-Dinitrobenzene	99-65-0	1-DXX-24-1	99%	1,004.4	µg/mL	+/- 36.5422
38	Dimethylphthalate	131-11-3	358221L17K	99%	1,005.9	µg/mL	+/- 36.5968
39	2,6-Dinitrotoluene	606-20-2	BCCG1833	99%	1,003.2	µg/mL	+/- 36.4998
40	1,2-Dinitrobenzene	528-29-0	RP230428	99%	1,002.2	µg/mL	+/- 36.4634
41	Acenaphthene	83-32-9	MKCR7169	99%	1,009.3	µg/mL	+/- 36.7221
42	3-Nitroaniline	99-09-2	RP230822RSR	99%	1,003.9	µg/mL	+/- 36.5240
43	2,4-Dinitrophenol	51-28-5	DR230417RSR	99%	1,002.0	µg/mL	+/- 36.4553
44	Dibenzofuran	132-64-9	MKCD9952	99%	1,006.7	µg/mL	+/- 36.6251
45	2,4-Dinitrotoluene	121-14-2	MKAA0690V	99%	1,003.8	µg/mL	+/- 36.5220
46	4-Nitrophenol	100-02-7	RP230627	99%	1,002.3	µg/mL	+/- 36.4674
47	2,3,4,6-Tetrachlorophenol	58-90-2	PR-30126	99%	1,008.7	µg/mL	+/- 36.6979
48	2,3,5,6-Tetrachlorophenol	935-95-5	RP230919	99%	1,006.3	µg/mL	+/- 36.6130
49	Fluorene	86-73-7	10241100	99%	1,008.3	µg/mL	+/- 36.6857
50	4-Chlorophenyl phenyl ether	7005-72-3	MKCT7248	99%	1,003.8	µg/mL	+/- 36.5220
51	Diethylphthalate	84-66-2	MKCD2547	99%	1,008.6	µg/mL	+/- 36.6958
52	4-Nitroaniline	100-01-6	RP230111	99%	1,001.1	µg/mL	+/- 36.4230
53	4,6-Dinitro-2-methylphenol (Dinitro-o-cresol)	534-52-1	230718JLM	99%	1,002.0	µg/mL	+/- 36.4553

54	Diphenylamine	122-39-4	MKCH1042	99%	1,002.3	µg/mL	+/- 36.4674
55	Azobenzene	103-33-3	BCKK0887	99%	1,005.8	µg/mL	+/- 36.5928
56	4-Bromophenyl phenyl ether	101-55-3	STBH6361	99%	1,003.0	µg/mL	+/- 36.4917
57	Hexachlorobenzene	118-74-1	14821700	99%	1,007.5	µg/mL	+/- 36.6554
58	Pentachlorophenol	87-86-5	RP230530RSR	99%	1,008.8	µg/mL	+/- 36.7019
59	Phenanthrene	85-01-8	MKCQ8876	99%	1,008.4	µg/mL	+/- 36.6877
60	Anthracene	120-12-7	MKCR0570	99%	1,009.0	µg/mL	+/- 36.7100
61	Carbazole	86-74-8	14351100	99%	1,000.9	µg/mL	+/- 36.4149
62	Di-n-butylphthalate	84-74-2	MKCN4337	99%	1,007.6	µg/mL	+/- 36.6595
63	Fluoranthene	206-44-0	MKCQ4728	99%	1,009.6	µg/mL	+/- 36.7302
64	Pyrene	129-00-0	BCCG8479	98%	1,007.2	µg/mL	+/- 36.6453
65	Benzyl butyl phthalate	85-68-7	X12I018	99%	1,002.1	µg/mL	+/- 36.4573
66	Bis(2-ethylhexyl)adipate	103-23-1	MKCM1988	99%	1,005.2	µg/mL	+/- 36.5705
67	Benz(a)anthracene	56-55-3	I220012022BAA	99%	1,002.2	µg/mL	+/- 36.4614
68	Chrysene	218-01-9	RP230601	99%	1,008.3	µg/mL	+/- 36.6837
69	Bis(2-ethylhexyl)phthalate	117-81-7	MKCQ3468	99%	1,001.8	µg/mL	+/- 36.4472
70	Di-n-octyl phthalate	117-84-0	14382700	99%	1,006.0	µg/mL	+/- 36.6008
71	Benzo(b)fluoranthene	205-99-2	012013B	99%	1,002.8	µg/mL	+/- 36.4836
72	Benzo(k)fluoranthene	207-08-9	012022K	99%	1,003.0	µg/mL	+/- 36.4917
73	Benzo(a)pyrene	50-32-8	P54915-0703	99%	1,002.3	µg/mL	+/- 36.4674
74	Indeno(1,2,3-cd)pyrene	193-39-5	12-JKL-118-9	97%	1,009.4	µg/mL	+/- 36.7243
75	Dibenz(a,h)anthracene	53-70-3	2-ASA-59-1	99%	1,007.6	µg/mL	+/- 36.6595
76	Benzo(g,h,i)perylene	191-24-2	RP231003RSR	99%	1,002.9	µg/mL	+/- 36.4876

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%



110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus



FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 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
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
22	2,4-Dichlorophenol	120-83-2	BCBZ6787	99%	1,003.7	µg/mL	+/- 36.5180
23	1,2,4-Trichlorobenzene	120-82-1	SHBP5900	99%	1,007.6	µg/mL	+/- 36.6574
24	Naphthalene	91-20-3	STBL1057	99%	1,008.3	µg/mL	+/- 36.6837
25	4-Chloroaniline	106-47-8	BCCJ3217	99%	1,001.3	µg/mL	+/- 36.4290
26	Hexachlorobutadiene	87-68-3	RP230823RSR	98%	1,008.3	µg/mL	+/- 36.6829
27	4-Chloro-3-methylphenol	59-50-7	BCCD4461	99%	1,003.1	µg/mL	+/- 36.4937
28	2-Methylnaphthalene	91-57-6	STBK0259	96%	1,001.9	µg/mL	+/- 36.4505
29	1-Methylnaphthalene	90-12-0	5234.00-8	98%	1,000.0	µg/mL	+/- 36.3838
30	Hexachlorocyclopentadiene	77-47-4	099063I14L	98%	1,008.5	µg/mL	+/- 36.6909
31	2,4,6-Trichlorophenol	88-06-2	STBJ5914	99%	1,004.4	µg/mL	+/- 36.5442
32	2,4,5-Trichlorophenol	95-95-4	FHN01	98%	1,001.9	µg/mL	+/- 36.4512
33	2-Chloronaphthalene	91-58-7	RPN7O	99%	1,001.1	µg/mL	+/- 36.4230
34	2-Nitroaniline	88-74-4	RP230531	99%	1,002.9	µg/mL	+/- 36.4876
35	1,4-Dinitrobenzene	100-25-4	RP230816	99%	1,005.7	µg/mL	+/- 36.5887
36	Acenaphthylene	208-96-8	p06V	98%	1,009.5	µg/mL	+/- 36.7265
37	1,3-Dinitrobenzene	99-65-0	1-DXX-24-1	99%	1,004.4	µg/mL	+/- 36.5422
38	Dimethylphthalate	131-11-3	358221L17K	99%	1,005.9	µg/mL	+/- 36.5968
39	2,6-Dinitrotoluene	606-20-2	BCCG1833	99%	1,003.2	µg/mL	+/- 36.4998
40	1,2-Dinitrobenzene	528-29-0	RP230428	99%	1,002.2	µg/mL	+/- 36.4634
41	Acenaphthene	83-32-9	MKCR7169	99%	1,009.3	µg/mL	+/- 36.7221
42	3-Nitroaniline	99-09-2	RP230822RSR	99%	1,003.9	µg/mL	+/- 36.5240
43	2,4-Dinitrophenol	51-28-5	DR230417RSR	99%	1,002.0	µg/mL	+/- 36.4553
44	Dibenzofuran	132-64-9	MKCD9952	99%	1,006.7	µg/mL	+/- 36.6251
45	2,4-Dinitrotoluene	121-14-2	MKAA0690V	99%	1,003.8	µg/mL	+/- 36.5220
46	4-Nitrophenol	100-02-7	RP230627	99%	1,002.3	µg/mL	+/- 36.4674
47	2,3,4,6-Tetrachlorophenol	58-90-2	PR-30126	99%	1,008.7	µg/mL	+/- 36.6979
48	2,3,5,6-Tetrachlorophenol	935-95-5	RP230919	99%	1,006.3	µg/mL	+/- 36.6130
49	Fluorene	86-73-7	10241100	99%	1,008.3	µg/mL	+/- 36.6857
50	4-Chlorophenyl phenyl ether	7005-72-3	MKCT7248	99%	1,003.8	µg/mL	+/- 36.5220
51	Diethylphthalate	84-66-2	MKCD2547	99%	1,008.6	µg/mL	+/- 36.6958
52	4-Nitroaniline	100-01-6	RP230111	99%	1,001.1	µg/mL	+/- 36.4230
53	4,6-Dinitro-2-methylphenol (Dinitro-o-cresol)	534-52-1	230718JLM	99%	1,002.0	µg/mL	+/- 36.4553

54	Diphenylamine	122-39-4	MKCH1042	99%	1,002.3	µg/mL	+/- 36.4674
55	Azobenzene	103-33-3	BCKK0887	99%	1,005.8	µg/mL	+/- 36.5928
56	4-Bromophenyl phenyl ether	101-55-3	STBH6361	99%	1,003.0	µg/mL	+/- 36.4917
57	Hexachlorobenzene	118-74-1	14821700	99%	1,007.5	µg/mL	+/- 36.6554
58	Pentachlorophenol	87-86-5	RP230530RSR	99%	1,008.8	µg/mL	+/- 36.7019
59	Phenanthrene	85-01-8	MKCQ8876	99%	1,008.4	µg/mL	+/- 36.6877
60	Anthracene	120-12-7	MKCR0570	99%	1,009.0	µg/mL	+/- 36.7100
61	Carbazole	86-74-8	14351100	99%	1,000.9	µg/mL	+/- 36.4149
62	Di-n-butylphthalate	84-74-2	MKCN4337	99%	1,007.6	µg/mL	+/- 36.6595
63	Fluoranthene	206-44-0	MKCQ4728	99%	1,009.6	µg/mL	+/- 36.7302
64	Pyrene	129-00-0	BCCG8479	98%	1,007.2	µg/mL	+/- 36.6453
65	Benzyl butyl phthalate	85-68-7	X12I018	99%	1,002.1	µg/mL	+/- 36.4573
66	Bis(2-ethylhexyl)adipate	103-23-1	MKCM1988	99%	1,005.2	µg/mL	+/- 36.5705
67	Benz(a)anthracene	56-55-3	I220012022BAA	99%	1,002.2	µg/mL	+/- 36.4614
68	Chrysene	218-01-9	RP230601	99%	1,008.3	µg/mL	+/- 36.6837
69	Bis(2-ethylhexyl)phthalate	117-81-7	MKCQ3468	99%	1,001.8	µg/mL	+/- 36.4472
70	Di-n-octyl phthalate	117-84-0	14382700	99%	1,006.0	µg/mL	+/- 36.6008
71	Benzo(b)fluoranthene	205-99-2	012013B	99%	1,002.8	µg/mL	+/- 36.4836
72	Benzo(k)fluoranthene	207-08-9	012022K	99%	1,003.0	µg/mL	+/- 36.4917
73	Benzo(a)pyrene	50-32-8	P54915-0703	99%	1,002.3	µg/mL	+/- 36.4674
74	Indeno(1,2,3-cd)pyrene	193-39-5	12-JKL-118-9	97%	1,009.4	µg/mL	+/- 36.7243
75	Dibenz(a,h)anthracene	53-70-3	2-ASA-59-1	99%	1,007.6	µg/mL	+/- 36.6595
76	Benzo(g,h,i)perylene	191-24-2	RP231003RSR	99%	1,002.9	µg/mL	+/- 36.4876

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%



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. : 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
22	2,4-Dichlorophenol	120-83-2	BCBZ6787	99%	1,003.7	µg/mL	+/- 36.5180
23	1,2,4-Trichlorobenzene	120-82-1	SHBP5900	99%	1,007.6	µg/mL	+/- 36.6574
24	Naphthalene	91-20-3	STBL1057	99%	1,008.3	µg/mL	+/- 36.6837
25	4-Chloroaniline	106-47-8	BCCJ3217	99%	1,001.3	µg/mL	+/- 36.4290
26	Hexachlorobutadiene	87-68-3	RP230823RSR	98%	1,008.3	µg/mL	+/- 36.6829
27	4-Chloro-3-methylphenol	59-50-7	BCCD4461	99%	1,003.1	µg/mL	+/- 36.4937
28	2-Methylnaphthalene	91-57-6	STBK0259	96%	1,001.9	µg/mL	+/- 36.4505
29	1-Methylnaphthalene	90-12-0	5234.00-8	98%	1,000.0	µg/mL	+/- 36.3838
30	Hexachlorocyclopentadiene	77-47-4	099063I14L	98%	1,008.5	µg/mL	+/- 36.6909
31	2,4,6-Trichlorophenol	88-06-2	STBJ5914	99%	1,004.4	µg/mL	+/- 36.5442
32	2,4,5-Trichlorophenol	95-95-4	FHN01	98%	1,001.9	µg/mL	+/- 36.4512
33	2-Chloronaphthalene	91-58-7	RPN7O	99%	1,001.1	µg/mL	+/- 36.4230
34	2-Nitroaniline	88-74-4	RP230531	99%	1,002.9	µg/mL	+/- 36.4876
35	1,4-Dinitrobenzene	100-25-4	RP230816	99%	1,005.7	µg/mL	+/- 36.5887
36	Acenaphthylene	208-96-8	p06V	98%	1,009.5	µg/mL	+/- 36.7265
37	1,3-Dinitrobenzene	99-65-0	1-DXX-24-1	99%	1,004.4	µg/mL	+/- 36.5422
38	Dimethylphthalate	131-11-3	358221L17K	99%	1,005.9	µg/mL	+/- 36.5968
39	2,6-Dinitrotoluene	606-20-2	BCCG1833	99%	1,003.2	µg/mL	+/- 36.4998
40	1,2-Dinitrobenzene	528-29-0	RP230428	99%	1,002.2	µg/mL	+/- 36.4634
41	Acenaphthene	83-32-9	MKCR7169	99%	1,009.3	µg/mL	+/- 36.7221
42	3-Nitroaniline	99-09-2	RP230822RSR	99%	1,003.9	µg/mL	+/- 36.5240
43	2,4-Dinitrophenol	51-28-5	DR230417RSR	99%	1,002.0	µg/mL	+/- 36.4553
44	Dibenzofuran	132-64-9	MKCD9952	99%	1,006.7	µg/mL	+/- 36.6251
45	2,4-Dinitrotoluene	121-14-2	MKAA0690V	99%	1,003.8	µg/mL	+/- 36.5220
46	4-Nitrophenol	100-02-7	RP230627	99%	1,002.3	µg/mL	+/- 36.4674
47	2,3,4,6-Tetrachlorophenol	58-90-2	PR-30126	99%	1,008.7	µg/mL	+/- 36.6979
48	2,3,5,6-Tetrachlorophenol	935-95-5	RP230919	99%	1,006.3	µg/mL	+/- 36.6130
49	Fluorene	86-73-7	10241100	99%	1,008.3	µg/mL	+/- 36.6857
50	4-Chlorophenyl phenyl ether	7005-72-3	MKCT7248	99%	1,003.8	µg/mL	+/- 36.5220
51	Diethylphthalate	84-66-2	MKCD2547	99%	1,008.6	µg/mL	+/- 36.6958
52	4-Nitroaniline	100-01-6	RP230111	99%	1,001.1	µg/mL	+/- 36.4230
53	4,6-Dinitro-2-methylphenol (Dinitro-o-cresol)	534-52-1	230718JLM	99%	1,002.0	µg/mL	+/- 36.4553

54	Diphenylamine	122-39-4	MKCH1042	99%	1,002.3	µg/mL	+/- 36.4674
55	Azobenzene	103-33-3	BCKK0887	99%	1,005.8	µg/mL	+/- 36.5928
56	4-Bromophenyl phenyl ether	101-55-3	STBH6361	99%	1,003.0	µg/mL	+/- 36.4917
57	Hexachlorobenzene	118-74-1	14821700	99%	1,007.5	µg/mL	+/- 36.6554
58	Pentachlorophenol	87-86-5	RP230530RSR	99%	1,008.8	µg/mL	+/- 36.7019
59	Phenanthrene	85-01-8	MKCQ8876	99%	1,008.4	µg/mL	+/- 36.6877
60	Anthracene	120-12-7	MKCR0570	99%	1,009.0	µg/mL	+/- 36.7100
61	Carbazole	86-74-8	14351100	99%	1,000.9	µg/mL	+/- 36.4149
62	Di-n-butylphthalate	84-74-2	MKCN4337	99%	1,007.6	µg/mL	+/- 36.6595
63	Fluoranthene	206-44-0	MKCQ4728	99%	1,009.6	µg/mL	+/- 36.7302
64	Pyrene	129-00-0	BCCG8479	98%	1,007.2	µg/mL	+/- 36.6453
65	Benzyl butyl phthalate	85-68-7	X12I018	99%	1,002.1	µg/mL	+/- 36.4573
66	Bis(2-ethylhexyl)adipate	103-23-1	MKCM1988	99%	1,005.2	µg/mL	+/- 36.5705
67	Benz(a)anthracene	56-55-3	I220012022BAA	99%	1,002.2	µg/mL	+/- 36.4614
68	Chrysene	218-01-9	RP230601	99%	1,008.3	µg/mL	+/- 36.6837
69	Bis(2-ethylhexyl)phthalate	117-81-7	MKCQ3468	99%	1,001.8	µg/mL	+/- 36.4472
70	Di-n-octyl phthalate	117-84-0	14382700	99%	1,006.0	µg/mL	+/- 36.6008
71	Benzo(b)fluoranthene	205-99-2	012013B	99%	1,002.8	µg/mL	+/- 36.4836
72	Benzo(k)fluoranthene	207-08-9	012022K	99%	1,003.0	µg/mL	+/- 36.4917
73	Benzo(a)pyrene	50-32-8	P54915-0703	99%	1,002.3	µg/mL	+/- 36.4674
74	Indeno(1,2,3-cd)pyrene	193-39-5	12-JKL-118-9	97%	1,009.4	µg/mL	+/- 36.7243
75	Dibenz(a,h)anthracene	53-70-3	2-ASA-59-1	99%	1,007.6	µg/mL	+/- 36.6595
76	Benzo(g,h,i)perylene	191-24-2	RP231003RSR	99%	1,002.9	µg/mL	+/- 36.4876

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%



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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.:** 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
22	2,4-Dichlorophenol	120-83-2	BCBZ6787	99%	1,003.7	µg/mL	+/- 36.5180
23	1,2,4-Trichlorobenzene	120-82-1	SHBP5900	99%	1,007.6	µg/mL	+/- 36.6574
24	Naphthalene	91-20-3	STBL1057	99%	1,008.3	µg/mL	+/- 36.6837
25	4-Chloroaniline	106-47-8	BCCJ3217	99%	1,001.3	µg/mL	+/- 36.4290
26	Hexachlorobutadiene	87-68-3	RP230823RSR	98%	1,008.3	µg/mL	+/- 36.6829
27	4-Chloro-3-methylphenol	59-50-7	BCCD4461	99%	1,003.1	µg/mL	+/- 36.4937
28	2-Methylnaphthalene	91-57-6	STBK0259	96%	1,001.9	µg/mL	+/- 36.4505
29	1-Methylnaphthalene	90-12-0	5234.00-8	98%	1,000.0	µg/mL	+/- 36.3838
30	Hexachlorocyclopentadiene	77-47-4	099063I14L	98%	1,008.5	µg/mL	+/- 36.6909
31	2,4,6-Trichlorophenol	88-06-2	STBJ5914	99%	1,004.4	µg/mL	+/- 36.5442
32	2,4,5-Trichlorophenol	95-95-4	FHN01	98%	1,001.9	µg/mL	+/- 36.4512
33	2-Chloronaphthalene	91-58-7	RPN7O	99%	1,001.1	µg/mL	+/- 36.4230
34	2-Nitroaniline	88-74-4	RP230531	99%	1,002.9	µg/mL	+/- 36.4876
35	1,4-Dinitrobenzene	100-25-4	RP230816	99%	1,005.7	µg/mL	+/- 36.5887
36	Acenaphthylene	208-96-8	p06V	98%	1,009.5	µg/mL	+/- 36.7265
37	1,3-Dinitrobenzene	99-65-0	1-DXX-24-1	99%	1,004.4	µg/mL	+/- 36.5422
38	Dimethylphthalate	131-11-3	358221L17K	99%	1,005.9	µg/mL	+/- 36.5968
39	2,6-Dinitrotoluene	606-20-2	BCCG1833	99%	1,003.2	µg/mL	+/- 36.4998
40	1,2-Dinitrobenzene	528-29-0	RP230428	99%	1,002.2	µg/mL	+/- 36.4634
41	Acenaphthene	83-32-9	MKCR7169	99%	1,009.3	µg/mL	+/- 36.7221
42	3-Nitroaniline	99-09-2	RP230822RSR	99%	1,003.9	µg/mL	+/- 36.5240
43	2,4-Dinitrophenol	51-28-5	DR230417RSR	99%	1,002.0	µg/mL	+/- 36.4553
44	Dibenzofuran	132-64-9	MKCD9952	99%	1,006.7	µg/mL	+/- 36.6251
45	2,4-Dinitrotoluene	121-14-2	MKAA0690V	99%	1,003.8	µg/mL	+/- 36.5220
46	4-Nitrophenol	100-02-7	RP230627	99%	1,002.3	µg/mL	+/- 36.4674
47	2,3,4,6-Tetrachlorophenol	58-90-2	PR-30126	99%	1,008.7	µg/mL	+/- 36.6979
48	2,3,5,6-Tetrachlorophenol	935-95-5	RP230919	99%	1,006.3	µg/mL	+/- 36.6130
49	Fluorene	86-73-7	10241100	99%	1,008.3	µg/mL	+/- 36.6857
50	4-Chlorophenyl phenyl ether	7005-72-3	MKCT7248	99%	1,003.8	µg/mL	+/- 36.5220
51	Diethylphthalate	84-66-2	MKCD2547	99%	1,008.6	µg/mL	+/- 36.6958
52	4-Nitroaniline	100-01-6	RP230111	99%	1,001.1	µg/mL	+/- 36.4230
53	4,6-Dinitro-2-methylphenol (Dinitro-o-cresol)	534-52-1	230718JLM	99%	1,002.0	µg/mL	+/- 36.4553

54	Diphenylamine	122-39-4	MKCH1042	99%	1,002.3	µg/mL	+/- 36.4674
55	Azobenzene	103-33-3	BCKK0887	99%	1,005.8	µg/mL	+/- 36.5928
56	4-Bromophenyl phenyl ether	101-55-3	STBH6361	99%	1,003.0	µg/mL	+/- 36.4917
57	Hexachlorobenzene	118-74-1	14821700	99%	1,007.5	µg/mL	+/- 36.6554
58	Pentachlorophenol	87-86-5	RP230530RSR	99%	1,008.8	µg/mL	+/- 36.7019
59	Phenanthrene	85-01-8	MKCQ8876	99%	1,008.4	µg/mL	+/- 36.6877
60	Anthracene	120-12-7	MKCR0570	99%	1,009.0	µg/mL	+/- 36.7100
61	Carbazole	86-74-8	14351100	99%	1,000.9	µg/mL	+/- 36.4149
62	Di-n-butylphthalate	84-74-2	MKCN4337	99%	1,007.6	µg/mL	+/- 36.6595
63	Fluoranthene	206-44-0	MKCQ4728	99%	1,009.6	µg/mL	+/- 36.7302
64	Pyrene	129-00-0	BCCG8479	98%	1,007.2	µg/mL	+/- 36.6453
65	Benzyl butyl phthalate	85-68-7	X12I018	99%	1,002.1	µg/mL	+/- 36.4573
66	Bis(2-ethylhexyl)adipate	103-23-1	MKCM1988	99%	1,005.2	µg/mL	+/- 36.5705
67	Benz(a)anthracene	56-55-3	I220012022BAA	99%	1,002.2	µg/mL	+/- 36.4614
68	Chrysene	218-01-9	RP230601	99%	1,008.3	µg/mL	+/- 36.6837
69	Bis(2-ethylhexyl)phthalate	117-81-7	MKCQ3468	99%	1,001.8	µg/mL	+/- 36.4472
70	Di-n-octyl phthalate	117-84-0	14382700	99%	1,006.0	µg/mL	+/- 36.6008
71	Benzo(b)fluoranthene	205-99-2	012013B	99%	1,002.8	µg/mL	+/- 36.4836
72	Benzo(k)fluoranthene	207-08-9	012022K	99%	1,003.0	µg/mL	+/- 36.4917
73	Benzo(a)pyrene	50-32-8	P54915-0703	99%	1,002.3	µg/mL	+/- 36.4674
74	Indeno(1,2,3-cd)pyrene	193-39-5	12-JKL-118-9	97%	1,009.4	µg/mL	+/- 36.7243
75	Dibenz(a,h)anthracene	53-70-3	2-ASA-59-1	99%	1,007.6	µg/mL	+/- 36.6595
76	Benzo(g,h,i)perylene	191-24-2	RP231003RSR	99%	1,002.9	µg/mL	+/- 36.4876

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%



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CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus



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This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 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
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
22	2,4-Dichlorophenol	120-83-2	BCBZ6787	99%	1,003.7	µg/mL	+/- 36.5180
23	1,2,4-Trichlorobenzene	120-82-1	SHBP5900	99%	1,007.6	µg/mL	+/- 36.6574
24	Naphthalene	91-20-3	STBL1057	99%	1,008.3	µg/mL	+/- 36.6837
25	4-Chloroaniline	106-47-8	BCCJ3217	99%	1,001.3	µg/mL	+/- 36.4290
26	Hexachlorobutadiene	87-68-3	RP230823RSR	98%	1,008.3	µg/mL	+/- 36.6829
27	4-Chloro-3-methylphenol	59-50-7	BCCD4461	99%	1,003.1	µg/mL	+/- 36.4937
28	2-Methylnaphthalene	91-57-6	STBK0259	96%	1,001.9	µg/mL	+/- 36.4505
29	1-Methylnaphthalene	90-12-0	5234.00-8	98%	1,000.0	µg/mL	+/- 36.3838
30	Hexachlorocyclopentadiene	77-47-4	099063I14L	98%	1,008.5	µg/mL	+/- 36.6909
31	2,4,6-Trichlorophenol	88-06-2	STBJ5914	99%	1,004.4	µg/mL	+/- 36.5442
32	2,4,5-Trichlorophenol	95-95-4	FHN01	98%	1,001.9	µg/mL	+/- 36.4512
33	2-Chloronaphthalene	91-58-7	RPN7O	99%	1,001.1	µg/mL	+/- 36.4230
34	2-Nitroaniline	88-74-4	RP230531	99%	1,002.9	µg/mL	+/- 36.4876
35	1,4-Dinitrobenzene	100-25-4	RP230816	99%	1,005.7	µg/mL	+/- 36.5887
36	Acenaphthylene	208-96-8	p06V	98%	1,009.5	µg/mL	+/- 36.7265
37	1,3-Dinitrobenzene	99-65-0	1-DXX-24-1	99%	1,004.4	µg/mL	+/- 36.5422
38	Dimethylphthalate	131-11-3	358221L17K	99%	1,005.9	µg/mL	+/- 36.5968
39	2,6-Dinitrotoluene	606-20-2	BCCG1833	99%	1,003.2	µg/mL	+/- 36.4998
40	1,2-Dinitrobenzene	528-29-0	RP230428	99%	1,002.2	µg/mL	+/- 36.4634
41	Acenaphthene	83-32-9	MKCR7169	99%	1,009.3	µg/mL	+/- 36.7221
42	3-Nitroaniline	99-09-2	RP230822RSR	99%	1,003.9	µg/mL	+/- 36.5240
43	2,4-Dinitrophenol	51-28-5	DR230417RSR	99%	1,002.0	µg/mL	+/- 36.4553
44	Dibenzofuran	132-64-9	MKCD9952	99%	1,006.7	µg/mL	+/- 36.6251
45	2,4-Dinitrotoluene	121-14-2	MKAA0690V	99%	1,003.8	µg/mL	+/- 36.5220
46	4-Nitrophenol	100-02-7	RP230627	99%	1,002.3	µg/mL	+/- 36.4674
47	2,3,4,6-Tetrachlorophenol	58-90-2	PR-30126	99%	1,008.7	µg/mL	+/- 36.6979
48	2,3,5,6-Tetrachlorophenol	935-95-5	RP230919	99%	1,006.3	µg/mL	+/- 36.6130
49	Fluorene	86-73-7	10241100	99%	1,008.3	µg/mL	+/- 36.6857
50	4-Chlorophenyl phenyl ether	7005-72-3	MKCT7248	99%	1,003.8	µg/mL	+/- 36.5220
51	Diethylphthalate	84-66-2	MKCD2547	99%	1,008.6	µg/mL	+/- 36.6958
52	4-Nitroaniline	100-01-6	RP230111	99%	1,001.1	µg/mL	+/- 36.4230
53	4,6-Dinitro-2-methylphenol (Dinitro-o-cresol)	534-52-1	230718JLM	99%	1,002.0	µg/mL	+/- 36.4553

54	Diphenylamine	122-39-4	MKCH1042	99%	1,002.3	µg/mL	+/- 36.4674
55	Azobenzene	103-33-3	BCKK0887	99%	1,005.8	µg/mL	+/- 36.5928
56	4-Bromophenyl phenyl ether	101-55-3	STBH6361	99%	1,003.0	µg/mL	+/- 36.4917
57	Hexachlorobenzene	118-74-1	14821700	99%	1,007.5	µg/mL	+/- 36.6554
58	Pentachlorophenol	87-86-5	RP230530RSR	99%	1,008.8	µg/mL	+/- 36.7019
59	Phenanthrene	85-01-8	MKCQ8876	99%	1,008.4	µg/mL	+/- 36.6877
60	Anthracene	120-12-7	MKCR0570	99%	1,009.0	µg/mL	+/- 36.7100
61	Carbazole	86-74-8	14351100	99%	1,000.9	µg/mL	+/- 36.4149
62	Di-n-butylphthalate	84-74-2	MKCN4337	99%	1,007.6	µg/mL	+/- 36.6595
63	Fluoranthene	206-44-0	MKCQ4728	99%	1,009.6	µg/mL	+/- 36.7302
64	Pyrene	129-00-0	BCCG8479	98%	1,007.2	µg/mL	+/- 36.6453
65	Benzyl butyl phthalate	85-68-7	X12I018	99%	1,002.1	µg/mL	+/- 36.4573
66	Bis(2-ethylhexyl)adipate	103-23-1	MKCM1988	99%	1,005.2	µg/mL	+/- 36.5705
67	Benz(a)anthracene	56-55-3	I220012022BAA	99%	1,002.2	µg/mL	+/- 36.4614
68	Chrysene	218-01-9	RP230601	99%	1,008.3	µg/mL	+/- 36.6837
69	Bis(2-ethylhexyl)phthalate	117-81-7	MKCQ3468	99%	1,001.8	µg/mL	+/- 36.4472
70	Di-n-octyl phthalate	117-84-0	14382700	99%	1,006.0	µg/mL	+/- 36.6008
71	Benzo(b)fluoranthene	205-99-2	012013B	99%	1,002.8	µg/mL	+/- 36.4836
72	Benzo(k)fluoranthene	207-08-9	012022K	99%	1,003.0	µg/mL	+/- 36.4917
73	Benzo(a)pyrene	50-32-8	P54915-0703	99%	1,002.3	µg/mL	+/- 36.4674
74	Indeno(1,2,3-cd)pyrene	193-39-5	12-JKL-118-9	97%	1,009.4	µg/mL	+/- 36.7243
75	Dibenz(a,h)anthracene	53-70-3	2-ASA-59-1	99%	1,007.6	µg/mL	+/- 36.6595
76	Benzo(g,h,i)perylene	191-24-2	RP231003RSR	99%	1,002.9	µg/mL	+/- 36.4876

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%



110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus



FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 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:

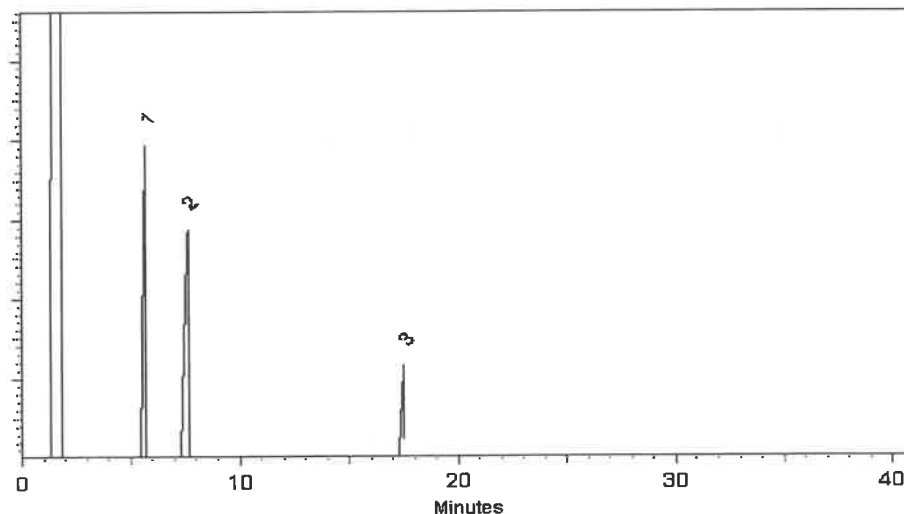
FID

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 S. Riglin

Penelope Riglin - Operations Tech I

Date Mixed: 04-Jan-2024

Balance Serial # 1128360905

Christie Mills

Christie Mills - Operations Lead Tech - ARM QC

Date Passed: 08-Jan-2024

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397



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Acid Surrogate 10, 000µg/mL, Methanol, 5mL/ampul
Container Size : 5 mL **Pkg Amt:** > 5 mL
Expiration Date : January 31, 2032 **Storage:** 10°C or colder
Ship: Ambient

512187 } RC/
↓ } 03/18/24
512206 }

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	2-Fluorophenol	367-12-4	STBK1705	99%	10,005.3 µg/mL	+/- 302.5390
2	Phenol-d6	13127-88-3	PR-33287A	99%	10,005.5 µg/mL	+/- 302.5475
3	2,4,6-Tribromophenol	118-79-6	RP230831RSR	99%	10,006.6 µg/mL	+/- 302.5783

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methanol
CAS # 67-56-1
Purity 99%

Quality Confirmation Test

Column:

30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

Carrier Gas:

hydrogen-constant pressure 10 psi.

Temp. Program:

40°C (hold 2 min.) to 330°C
@ 10°C/min. (hold 10 min.)

Inj. Temp:

250°C

Det. Temp:

330°C

Det. Type:

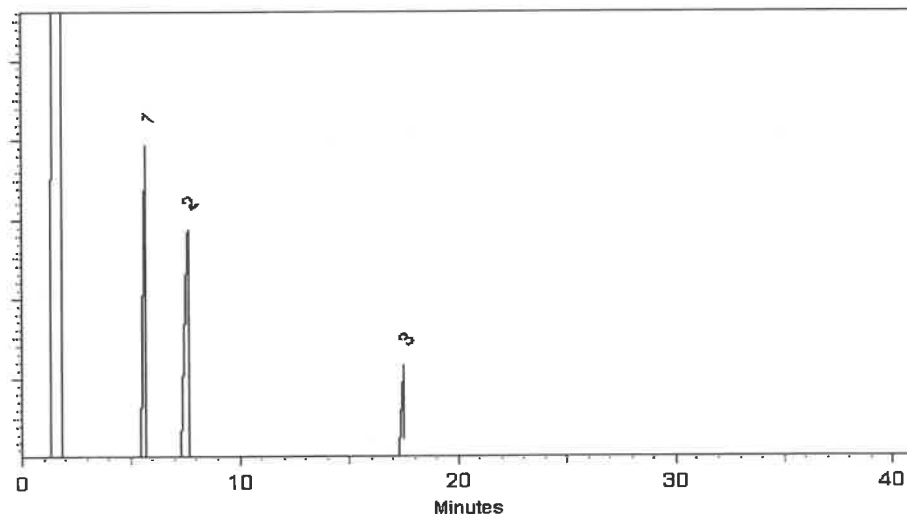
FID

Split Vent:

2 ml/min.

Inj. Vol

1µl



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Penelope B. 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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Description : Acid Surrogate Mix (4/89 SOW)
Acid Surrogate 10, 000µg/mL, Methanol, 5mL/ampul
Container Size : 5 mL **Pkg Amt:** > 5 mL
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Ship: Ambient

512187 } RC/
↓ } 03/18/24
512206 }

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	2-Fluorophenol	367-12-4	STBK1705	99%	10,005.3 µg/mL	+/- 302.5390
2	Phenol-d6	13127-88-3	PR-33287A	99%	10,005.5 µg/mL	+/- 302.5475
3	2,4,6-Tribromophenol	118-79-6	RP230831RSR	99%	10,006.6 µg/mL	+/- 302.5783

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methanol
CAS # 67-56-1
Purity 99%

Quality Confirmation Test

Column:

30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

Carrier Gas:

hydrogen-constant pressure 10 psi.

Temp. Program:

40°C (hold 2 min.) to 330°C
@ 10°C/min. (hold 10 min.)

Inj. Temp:

250°C

Det. Temp:

330°C

Det. Type:

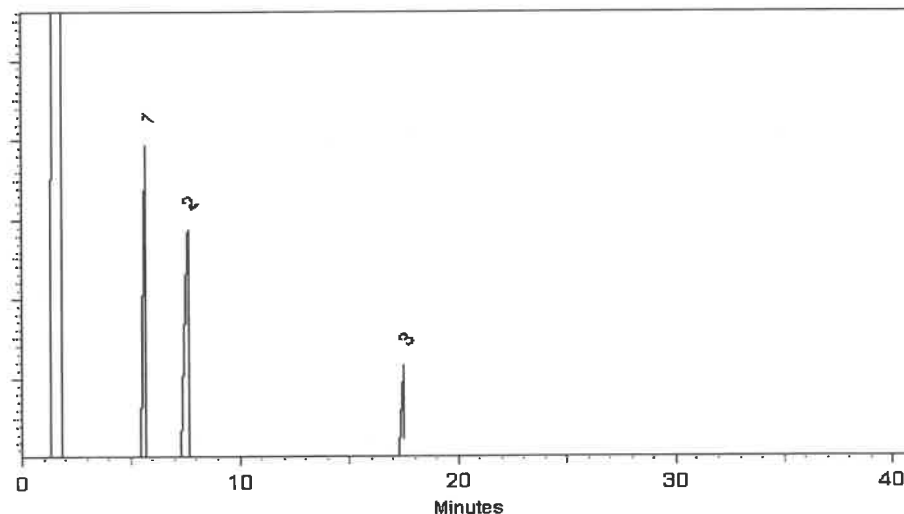
FID

Split Vent:

2 ml/min.

Inj. Vol

1µl



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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
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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:

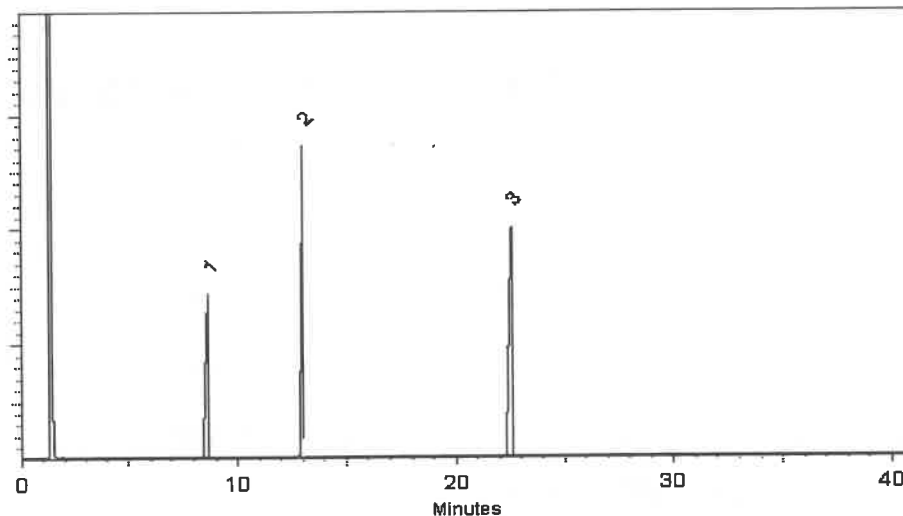
FID

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
Registered Quality System
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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:

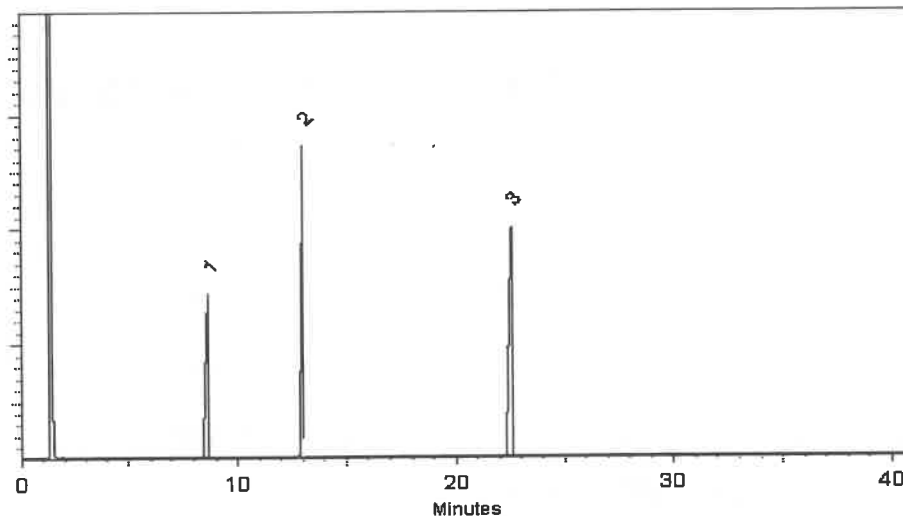
FID

Split Vent:

2 ml/min.

Inj. Vol

1µl



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Jess Hoy - Operations Tech I

Date Mixed: 09-Jan-2024 Balance Serial # 1128360905

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 11-Jan-2024

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397



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 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

<u>Compound</u>	<u>CAS No.</u>	<u>Purity (%)</u>	<u>Compound Lot No.</u>	<u>Concentration, mg/L</u>
1,2,4-trichlorobenzene	120-82-1	99.6	54.29.1P	999.6 ± 9.79
2,4,5-trichlorophenol	95-95-4	96.5	121.7.1.1P	999.5 ± 13.85
2,4,6-trichlorophenol	88-06-2	99.6	113.7.1P	996 ± 13.8

*Not a certified value



Certified By: _____

Kerry Kane
Chemist

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	$\leq -10^{\circ}\text{C}$	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 $\pm$ 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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CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus



FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 31206 **Lot No.:** 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:

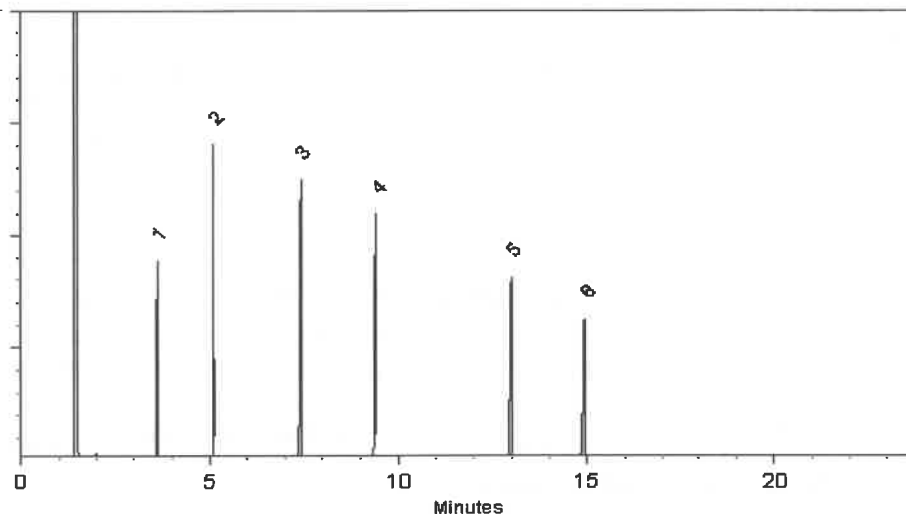
FID

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
Registered Quality System
Certificate #FM 80397



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CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

gravimetric



FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 555223 **Lot No.:** A0214021

Description : Custom 8270 Plus Standard #1

Custom 8270 Plus Standard #1 1,000µg/mL, Methylene Chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : July 31, 2026 **Storage:** 10°C or colder

Handling: This product is photosensitive. **Ship:** Ambient

CERTIFIED VALUES

Component #	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	3,3'-Dichlorobenzidine	91-94-1	S240326RSR	99%	1,004.0 µg/mL	+/- 23.0487
2	Atrazine	1912-24-9	5FYWL	99%	1,005.0 µg/mL	+/- 23.0717
3	Benzidine	92-87-5	S240430RSR	99%	1,006.0 µg/mL	+/- 23.0947
4	epsilon-Caprolactam	105-60-2	Y16H012	99%	1,000.0 µg/mL	+/- 22.9569

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

S12449 } RC/
↓
S12508 } 7/24/24

Rebecca Gingerich - Operations Tech II

Date Mixed: 18-Jul-2024

Balance: 1128353505

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k \sqrt{u_{gravimetric}^2 + u_{homogeneity}^2 + u_{storage\ stability}^2 + u_{shipping\ stability}^2}$$

k is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.



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CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

gravimetric



FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 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.
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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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Certificate of Analysis

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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
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General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k \sqrt{u_{gravimetric}^2 + u_{homogeneity}^2 + u_{storage\ stability}^2 + u_{shipping\ stability}^2}$$

k is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.



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Certificate of Analysis

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
2	Atrazine	1912-24-9	5FYWL	99%	1,005.0 µg/mL	+/- 23.0717
3	Benzidine	92-87-5	S240430RSR	99%	1,006.0 µg/mL	+/- 23.0947
4	epsilon-Caprolactam	105-60-2	Y16H012	99%	1,000.0 µg/mL	+/- 22.9569

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

S12449 } RC/
↓
S12508 } 7/24/24

Rebecca Gingerich - Operations Tech II

Date Mixed: 18-Jul-2024

Balance: 1128353505

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k \sqrt{u_{gravimetric}^2 + u_{homogeneity}^2 + u_{storage\ stability}^2 + u_{shipping\ stability}^2}$$

k is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.



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CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

gravimetric



FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 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:

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- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

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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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CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

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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.
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Purity Notes:

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Manufacturing Notes:

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Handling Notes:

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Certificate of Analysis

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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.
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Manufacturing Notes:

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CERTIFIED REFERENCE MATERIAL

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Catalog No. : 555223 **Lot No.:** A0214021

Description : Custom 8270 Plus Standard #1

Custom 8270 Plus Standard #1 1,000µg/mL, Methylene Chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : July 31, 2026 **Storage:** 10°C or colder

Handling: This product is photosensitive. **Ship:** Ambient

CERTIFIED VALUES

Component #	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	3,3'-Dichlorobenzidine	91-94-1	S240326RSR	99%	1,004.0 µg/mL	+/- 23.0487
2	Atrazine	1912-24-9	5FYWL	99%	1,005.0 µg/mL	+/- 23.0717
3	Benzidine	92-87-5	S240430RSR	99%	1,006.0 µg/mL	+/- 23.0947
4	epsilon-Caprolactam	105-60-2	Y16H012	99%	1,000.0 µg/mL	+/- 22.9569

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

S12449 } RC/
↓
S12508 } 7/24/24

Rebecca Gingerich - Operations Tech II

Date Mixed: 18-Jul-2024

Balance: 1128353505

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.
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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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CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

gravimetric



FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 555223 **Lot No.:** A0214021

Description : Custom 8270 Plus Standard #1

Custom 8270 Plus Standard #1 1,000µg/mL, Methylene Chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : July 31, 2026 **Storage:** 10°C or colder

Handling: This product is photosensitive. **Ship:** Ambient

CERTIFIED VALUES

Component #	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	3,3'-Dichlorobenzidine	91-94-1	S240326RSR	99%	1,004.0 µg/mL	+/- 23.0487
2	Atrazine	1912-24-9	5FYWL	99%	1,005.0 µg/mL	+/- 23.0717
3	Benzidine	92-87-5	S240430RSR	99%	1,006.0 µg/mL	+/- 23.0947
4	epsilon-Caprolactam	105-60-2	Y16H012	99%	1,000.0 µg/mL	+/- 22.9569

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

S12449 } RC/
↓
S12508 } 7/24/24

Rebecca Gingerich - Operations Tech II

Date Mixed: 18-Jul-2024

Balance: 1128353505

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
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- Purity values are rounded to the nearest whole number.

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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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CERTIFIED REFERENCE MATERIAL

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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. : 555224 **Lot No.:** A0214017

Description : Custom 8270 Plus Standard #2

Custom 8270 Plus Standard #2 1,000µg/mL, Methylene Chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : July 31, 2026 **Storage:** 10°C or colder

Ship: Ambient

CERTIFIED VALUES

Component #	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	1,2,4,5-Tetrachlorobenzene	95-94-3	MKCT9480	99%	1,005.0 µg/mL	+/- 29.541899
2	Acetophenone	98-86-2	STBH8205	99%	1,005.0 µg/mL	+/- 29.541899
3	Benzaldehyde	100-52-7	RD231129RSRA	99%	1,008.0 µg/mL	+/- 29.630084
4	Benzoic acid	65-85-0	MKCR2694	99%	1,010.0 µg/mL	+/- 29.688874
5	Biphenyl	92-52-4	MKCS5928	99%	1,008.0 µg/mL	+/- 29.630084

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

S12509 } RC/
↓
S12568 } 7/24/24


Jess Hoy - Operations Tech I

Date Mixed: 18-Jul-2024

Balance: 1128360905

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
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Certified Uncertainty Value Notes:

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- 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:

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Handling Notes:

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CERTIFIED REFERENCE MATERIAL

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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. : 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.
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Purity Notes:

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- Purity values are rounded to the nearest whole number.

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$$U_{combined\ uncertainty} = k \sqrt{u_{gravimetric}^2 + u_{homogeneity}^2 + u_{storage\ stability}^2 + u_{shipping\ stability}^2}$$

k is a coverage factor of 2, which gives a level of confidence of approximately 95%.

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Manufacturing Notes:

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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. : 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%

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S12568 } 7/24/24


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Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : July 31, 2026 **Storage:** 10°C or colder

Ship: Ambient

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Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k \sqrt{u_{gravimetric}^2 + u_{homogeneity}^2 + u_{storage\ stability}^2 + u_{shipping\ stability}^2}$$

k is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.



110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus



FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 31206 **Lot No.:** A0212266

Description : SV Internal Standard Mix 2mg/ml

SV Internal Standard Mix 2mg/ml 2000 µg/ml, Methylene Chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : April 30, 2030 **Storage:** 10°C or colder

Handling: Sonication required. Mix is photosensitive. **Ship:** Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	1,4-Dichlorobenzene-d4	3855-82-1	PR-30447	99%	2,000.6 µg/mL	+/- 90.1075
2	Naphthalene-d8	1146-65-2	M-2180	99%	2,000.3 µg/mL	+/- 90.0925
3	Acenaphthene-d10	15067-26-2	PR-33507	99%	2,000.4 µg/mL	+/- 90.1000
4	Phenanthrene-d10	1517-22-2	PR-34099	99%	2,000.5 µg/mL	+/- 90.1037
5	Chrysene-d12	1719-03-5	PR-33506	99%	2,000.7 µg/mL	+/- 90.1112
6	Perylene-d12	1520-96-3	PR-33205	99%	2,000.6 µg/mL	+/- 90.1075

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

S12645
↓
S12674 } AC
10/1/24



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Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : April 30, 2030 **Storage:** 10°C or colder

Handling: Sonication required. Mix is photosensitive. **Ship:** Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	1,4-Dichlorobenzene-d4	3855-82-1	PR-30447	99%	2,000.6 µg/mL	+/- 90.1075
2	Naphthalene-d8	1146-65-2	M-2180	99%	2,000.3 µg/mL	+/- 90.0925
3	Acenaphthene-d10	15067-26-2	PR-33507	99%	2,000.4 µg/mL	+/- 90.1000
4	Phenanthrene-d10	1517-22-2	PR-34099	99%	2,000.5 µg/mL	+/- 90.1037
5	Chrysene-d12	1719-03-5	PR-33506	99%	2,000.7 µg/mL	+/- 90.1112
6	Perylene-d12	1520-96-3	PR-33205	99%	2,000.6 µg/mL	+/- 90.1075

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

S12645
↓
S12674 } AC
10/1/24



5580 Skylane Blvd
Santa Rosa, CA 95403

(707)525-5788
(800)878-7654 Toll Free
(707)545-7901 Fax

Manufacturer's Quality System
Audited & Registered
by TUV USA to ISO 9001:2015

Date Received: _____

Certificate of Analysis

Rev 0

Page 1 of 1

Catalog No.:	Lot No.:	Storage:	Solvent:	Exp. Date:	Description:
Z-110816-01	414127	≤ -10 °C	Methylene Chloride	6/21/2025	Custom 8270 Mix, 4-79, 1000 mg/L, 1 mL

Compound	CAS No.	Purity (%)	Compound Lot No.	Concentration, mg/L
atrazine	1912-24-9	99.5	337.7.3P	997 ± 5.81
benzidine	92-87-5	99.9	124.18.6.2P	991.8 ± 5.77
caprolactam	105-60-2	99.9	271.1.6P	999 ± 5.82

~~512280~~ } RCL
↓
~~512284~~ } 05/24/24

New Numbers Generated.

512790 } RCL
↓
512794 } 11/12/24

*Not a certified value

Manufactured by o2si smart solutions, Accredited to ISO 9001:2008 by NSF and ISO/IEC 17025:2005 (Certification No. 3031.01) and ISO Guide 34:2009 (Certification No. 3031.02) by A2LA

Certified By: _____

Shane Overcash
Chemist

All weights are traceable through N. I. S. T. Test No. 822/264157-00.
Concentration (correct for purity) and uncertainty (95% confidence) values listed are determined gravimetrically.



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chromatographic plus



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This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 31850 **Lot No.:** A0219438

Description : 8270 MegaMix®
8270 MegaMix® 500-1000 µg/mL, Methylene Chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : September 30, 2025 **Storage:** 0°C or colder

Handling: Sonication required. Mix is photosensitive. **Ship:** Ambient

S12963
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S12992 } AC
12/17/24

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Pyridine	110-86-1	SHBP6240	99%	1,008.3 µg/mL	+/- 36.6849
2	N-Nitrosodimethylamine	62-75-9	S240313RSR	99%	1,008.6 µg/mL	+/- 36.6985
3	Phenol	108-95-2	MKCK1120	99%	1,003.5 µg/mL	+/- 36.5120
4	Aniline	62-53-3	X22F726	99%	1,002.9 µg/mL	+/- 36.4893
5	Bis(2-chloroethyl)ether	111-44-4	002891T24M	99%	1,003.0 µg/mL	+/- 36.4938
6	2-Chlorophenol	95-57-8	STBJ3909	99%	1,005.6 µg/mL	+/- 36.5894
7	1,3-Dichlorobenzene	541-73-1	BCCD5315	99%	1,004.1 µg/mL	+/- 36.5348
8	1,4-Dichlorobenzene	106-46-7	MKBS7929V	99%	1,002.1 µg/mL	+/- 36.4620
9	Benzyl alcohol	100-51-6	SHBK5469	99%	1,003.5 µg/mL	+/- 36.5120
10	1,2-Dichlorobenzene	95-50-1	SHBL6287	99%	1,005.3 µg/mL	+/- 36.5757
11	2-Methylphenol (o-cresol)	95-48-7	SHBN7598	99%	1,008.4 µg/mL	+/- 36.6894
12	2,2'-oxybis(1-chloropropane)	108-60-1	29-MAR-45-5	99%	1,004.6 µg/mL	+/- 36.5530
13	3-Methylphenol (m-cresol)	108-39-4	STBJ0710	99%	502.1 µg/mL	+/- 18.2697
14	4-Methylphenol (p-cresol)	106-44-5	SHBN3411	99%	503.8 µg/mL	+/- 18.3288
15	N-Nitroso-di-n-propylamine	621-64-7	N63MG	99%	1,006.5 µg/mL	+/- 36.6212
16	Hexachloroethane	67-72-1	DAXRI	99%	1,004.5 µg/mL	+/- 36.5484
17	Nitrobenzene	98-95-3	10224044	99%	1,002.5 µg/mL	+/- 36.4757

18	Isophorone	78-59-1	MKCR3249	99%	1,003.4	µg/mL	+/- 36.5075
19	2-Nitrophenol	88-75-5	RP230710	99%	1,002.5	µg/mL	+/- 36.4757
20	2,4-Dimethylphenol	105-67-9	XW5GK	99%	1,006.5	µg/mL	+/- 36.6212
21	Bis(2-chloroethoxy)methane	111-91-1	15705100	99%	1,006.6	µg/mL	+/- 36.6257
22	2,4-Dichlorophenol	120-83-2	BCKK6969	99%	1,001.5	µg/mL	+/- 36.4393
23	1,2,4-Trichlorobenzene	120-82-1	SHBP5900	99%	1,006.4	µg/mL	+/- 36.6166
24	Naphthalene	91-20-3	STBL1057	99%	1,002.1	µg/mL	+/- 36.4620
25	4-Chloroaniline	106-47-8	BCCJ3217	99%	1,004.4	µg/mL	+/- 36.5439
26	Hexachlorobutadiene	87-68-3	X05J	98%	1,002.5	µg/mL	+/- 36.4771
27	4-Chloro-3-methylphenol	59-50-7	BCCD4461	99%	1,004.5	µg/mL	+/- 36.5484
28	2-Methylnaphthalene	91-57-6	STBL3028	99%	1,000.0	µg/mL	+/- 36.3847
29	1-Methylnaphthalene	90-12-0	5234.00-8	98%	990.2	µg/mL	+/- 36.0269
30	Hexachlorocyclopentadiene	77-47-4	099063I14L	98%	1,001.3	µg/mL	+/- 36.4325
31	2,4,6-Trichlorophenol	88-06-2	STBK8870	99%	1,006.4	µg/mL	+/- 36.6166
32	2,4,5-Trichlorophenol	95-95-4	3YFRE	97%	1,004.6	µg/mL	+/- 36.5505
33	2-Chloronaphthalene	91-58-7	RPN7O	99%	1,004.3	µg/mL	+/- 36.5393
34	2-Nitroaniline	88-74-4	RP240715RSR	99%	1,004.4	µg/mL	+/- 36.5439
35	1,4-Dinitrobenzene	100-25-4	RP240703RSR	99%	1,002.8	µg/mL	+/- 36.4847
36	Acenaphthylene	208-96-8	RP241029RSR	98%	1,000.0	µg/mL	+/- 36.3835
37	1,3-Dinitrobenzene	99-65-0	TRC3-1075941-2-1	99%	1,006.3	µg/mL	+/- 36.6121
38	Dimethylphthalate	131-11-3	358221L17K	99%	1,008.9	µg/mL	+/- 36.7076
39	2,6-Dinitrotoluene	606-20-2	BCCG1833	99%	1,006.6	µg/mL	+/- 36.6257
40	1,2-Dinitrobenzene	528-29-0	RP240701RSR	99%	1,002.5	µg/mL	+/- 36.4757
41	Acenaphthene	83-32-9	MKCR7169	99%	1,000.0	µg/mL	+/- 36.3847
42	3-Nitroaniline	99-09-2	RP240708RSR	99%	1,004.6	µg/mL	+/- 36.5530
43	2,4-Dinitrophenol	51-28-5	D240927RSR	----%	1,005.6	µg/mL	+/- 36.5894
44	Dibenzofuran	132-64-9	MKCN1772	99%	1,003.5	µg/mL	+/- 36.5120
45	2,4-Dinitrotoluene	121-14-2	102869V26E	99%	1,008.3	µg/mL	+/- 36.6849
46	4-Nitrophenol	100-02-7	20241029-2-AN	99%	1,004.8	µg/mL	+/- 36.5575
47	2,3,4,6-Tetrachlorophenol	58-90-2	PR-34476	99%	1,005.8	µg/mL	+/- 36.5939
48	2,3,5,6-Tetrachlorophenol	935-95-5	RP231219RSR	99%	1,006.4	µg/mL	+/- 36.6166
49	Fluorene	86-73-7	10246250	98%	1,000.7	µg/mL	+/- 36.4102
50	4-Chlorophenyl phenyl ether	7005-72-3	MKCT7248	99%	1,004.9	µg/mL	+/- 36.5621
51	Diethylphthalate	84-66-2	BCCJ6241	99%	1,003.9	µg/mL	+/- 36.5257
52	4-Nitroaniline	100-01-6	RP230111	99%	1,006.6	µg/mL	+/- 36.6257
53	4,6-Dinitro-2-methylphenol (Dinitro-o-cresol)	534-52-1	S241008RSR	99%	1,001.3	µg/mL	+/- 36.4302

54	Diphenylamine	122-39-4	MKCT1512	99%	1,003.0	µg/mL	+/- 36.4938
55	Azobenzene	103-33-3	BCKK0887	99%	1,002.4	µg/mL	+/- 36.4711
56	4-Bromophenyl phenyl ether	101-55-3	STBH6361	99%	1,008.8	µg/mL	+/- 36.7031
57	Hexachlorobenzene	118-74-1	15458400	99%	1,005.1	µg/mL	+/- 36.5712
58	Pentachlorophenol	87-86-5	RP240517RSR	99%	1,005.9	µg/mL	+/- 36.5984
59	Phenanthrene	85-01-8	MKCT3391	99%	1,004.9	µg/mL	+/- 36.5621
60	Anthracene	120-12-7	101492T18R	99%	1,005.1	µg/mL	+/- 36.5712
61	Carbazole	86-74-8	15276700	99%	1,005.4	µg/mL	+/- 36.5803
62	Di-n-butylphthalate	84-74-2	MKCN4337	99%	1,006.3	µg/mL	+/- 36.6121
63	Fluoranthene	206-44-0	MKCQ4728	99%	1,003.5	µg/mL	+/- 36.5120
64	Pyrene	129-00-0	BCKK2592	99%	1,002.0	µg/mL	+/- 36.4575
65	Benzyl butyl phthalate	85-68-7	X12I018	99%	1,007.5	µg/mL	+/- 36.6576
66	Bis(2-ethylhexyl)adipate	103-23-1	MKCM1988	99%	1,005.9	µg/mL	+/- 36.5984
67	Benz(a)anthracene	56-55-3	I70012022BAA	99%	1,005.5	µg/mL	+/- 36.5848
68	Chrysene	218-01-9	RP241007RSR	99%	1,005.3	µg/mL	+/- 36.5757
69	Bis(2-ethylhexyl)phthalate	117-81-7	MKCS8065	99%	1,007.5	µg/mL	+/- 36.6576
70	Di-n-octyl phthalate	117-84-0	15566400	99%	1,002.3	µg/mL	+/- 36.4666
71	Benzo(b)fluoranthene	205-99-2	052013B	99%	1,004.1	µg/mL	+/- 36.5348
72	Benzo(k)fluoranthene	207-08-9	012022K	99%	1,002.8	µg/mL	+/- 36.4847
73	Benzo(a)pyrene	50-32-8	NQLXA	98%	1,006.2	µg/mL	+/- 36.6108
74	Indeno(1,2,3-cd)pyrene	193-39-5	12-JKL-118-9	97%	1,001.8	µg/mL	+/- 36.4490
75	Dibenz(a,h)anthracene	53-70-3	2-ASA-59-1	99%	1,003.3	µg/mL	+/- 36.5029
76	Benzo(g,h,i)perylene	191-24-2	RP241014RSR	98%	1,003.8	µg/mL	+/- 36.5217

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

Tech Tips:

N-Nitrosodiphenylamine (86-30-6) is prone to breakdown in the injection port and will be converted to Diphenylamine (122-39-4). When comparing the response of Diphenylamine to mixtures manufactured using N-Nitrosodiphenylamine, a difference in response will be observed. The ratio of the MW can be used to calculate the theoretical concentration of the N-Nitrosodiphenylamine.



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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
12/17/24

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Pyridine	110-86-1	SHBP6240	99%	1,008.3 µg/mL	+/- 36.6849
2	N-Nitrosodimethylamine	62-75-9	S240313RSR	99%	1,008.6 µg/mL	+/- 36.6985
3	Phenol	108-95-2	MKCK1120	99%	1,003.5 µg/mL	+/- 36.5120
4	Aniline	62-53-3	X22F726	99%	1,002.9 µg/mL	+/- 36.4893
5	Bis(2-chloroethyl)ether	111-44-4	002891T24M	99%	1,003.0 µg/mL	+/- 36.4938
6	2-Chlorophenol	95-57-8	STBJ3909	99%	1,005.6 µg/mL	+/- 36.5894
7	1,3-Dichlorobenzene	541-73-1	BCCD5315	99%	1,004.1 µg/mL	+/- 36.5348
8	1,4-Dichlorobenzene	106-46-7	MKBS7929V	99%	1,002.1 µg/mL	+/- 36.4620
9	Benzyl alcohol	100-51-6	SHBK5469	99%	1,003.5 µg/mL	+/- 36.5120
10	1,2-Dichlorobenzene	95-50-1	SHBL6287	99%	1,005.3 µg/mL	+/- 36.5757
11	2-Methylphenol (o-cresol)	95-48-7	SHBN7598	99%	1,008.4 µg/mL	+/- 36.6894
12	2,2'-oxybis(1-chloropropane)	108-60-1	29-MAR-45-5	99%	1,004.6 µg/mL	+/- 36.5530
13	3-Methylphenol (m-cresol)	108-39-4	STBJ0710	99%	502.1 µg/mL	+/- 18.2697
14	4-Methylphenol (p-cresol)	106-44-5	SHBN3411	99%	503.8 µg/mL	+/- 18.3288
15	N-Nitroso-di-n-propylamine	621-64-7	N63MG	99%	1,006.5 µg/mL	+/- 36.6212
16	Hexachloroethane	67-72-1	DAXRI	99%	1,004.5 µg/mL	+/- 36.5484
17	Nitrobenzene	98-95-3	10224044	99%	1,002.5 µg/mL	+/- 36.4757

18	Isophorone	78-59-1	MKCR3249	99%	1,003.4	µg/mL	+/- 36.5075
19	2-Nitrophenol	88-75-5	RP230710	99%	1,002.5	µg/mL	+/- 36.4757
20	2,4-Dimethylphenol	105-67-9	XW5GK	99%	1,006.5	µg/mL	+/- 36.6212
21	Bis(2-chloroethoxy)methane	111-91-1	15705100	99%	1,006.6	µg/mL	+/- 36.6257
22	2,4-Dichlorophenol	120-83-2	BCKK6969	99%	1,001.5	µg/mL	+/- 36.4393
23	1,2,4-Trichlorobenzene	120-82-1	SHBP5900	99%	1,006.4	µg/mL	+/- 36.6166
24	Naphthalene	91-20-3	STBL1057	99%	1,002.1	µg/mL	+/- 36.4620
25	4-Chloroaniline	106-47-8	BCCJ3217	99%	1,004.4	µg/mL	+/- 36.5439
26	Hexachlorobutadiene	87-68-3	X05J	98%	1,002.5	µg/mL	+/- 36.4771
27	4-Chloro-3-methylphenol	59-50-7	BCCD4461	99%	1,004.5	µg/mL	+/- 36.5484
28	2-Methylnaphthalene	91-57-6	STBL3028	99%	1,000.0	µg/mL	+/- 36.3847
29	1-Methylnaphthalene	90-12-0	5234.00-8	98%	990.2	µg/mL	+/- 36.0269
30	Hexachlorocyclopentadiene	77-47-4	099063I14L	98%	1,001.3	µg/mL	+/- 36.4325
31	2,4,6-Trichlorophenol	88-06-2	STBK8870	99%	1,006.4	µg/mL	+/- 36.6166
32	2,4,5-Trichlorophenol	95-95-4	3YFRE	97%	1,004.6	µg/mL	+/- 36.5505
33	2-Chloronaphthalene	91-58-7	RPN7O	99%	1,004.3	µg/mL	+/- 36.5393
34	2-Nitroaniline	88-74-4	RP240715RSR	99%	1,004.4	µg/mL	+/- 36.5439
35	1,4-Dinitrobenzene	100-25-4	RP240703RSR	99%	1,002.8	µg/mL	+/- 36.4847
36	Acenaphthylene	208-96-8	RP241029RSR	98%	1,000.0	µg/mL	+/- 36.3835
37	1,3-Dinitrobenzene	99-65-0	TRC3-1075941-2-1	99%	1,006.3	µg/mL	+/- 36.6121
38	Dimethylphthalate	131-11-3	358221L17K	99%	1,008.9	µg/mL	+/- 36.7076
39	2,6-Dinitrotoluene	606-20-2	BCCG1833	99%	1,006.6	µg/mL	+/- 36.6257
40	1,2-Dinitrobenzene	528-29-0	RP240701RSR	99%	1,002.5	µg/mL	+/- 36.4757
41	Acenaphthene	83-32-9	MKCR7169	99%	1,000.0	µg/mL	+/- 36.3847
42	3-Nitroaniline	99-09-2	RP240708RSR	99%	1,004.6	µg/mL	+/- 36.5530
43	2,4-Dinitrophenol	51-28-5	D240927RSR	----%	1,005.6	µg/mL	+/- 36.5894
44	Dibenzofuran	132-64-9	MKCN1772	99%	1,003.5	µg/mL	+/- 36.5120
45	2,4-Dinitrotoluene	121-14-2	102869V26E	99%	1,008.3	µg/mL	+/- 36.6849
46	4-Nitrophenol	100-02-7	20241029-2-AN	99%	1,004.8	µg/mL	+/- 36.5575
47	2,3,4,6-Tetrachlorophenol	58-90-2	PR-34476	99%	1,005.8	µg/mL	+/- 36.5939
48	2,3,5,6-Tetrachlorophenol	935-95-5	RP231219RSR	99%	1,006.4	µg/mL	+/- 36.6166
49	Fluorene	86-73-7	10246250	98%	1,000.7	µg/mL	+/- 36.4102
50	4-Chlorophenyl phenyl ether	7005-72-3	MKCT7248	99%	1,004.9	µg/mL	+/- 36.5621
51	Diethylphthalate	84-66-2	BCCJ6241	99%	1,003.9	µg/mL	+/- 36.5257
52	4-Nitroaniline	100-01-6	RP230111	99%	1,006.6	µg/mL	+/- 36.6257
53	4,6-Dinitro-2-methylphenol (Dinitro-o-cresol)	534-52-1	S241008RSR	99%	1,001.3	µg/mL	+/- 36.4302

54	Diphenylamine	122-39-4	MKCT1512	99%	1,003.0	µg/mL	+/- 36.4938
55	Azobenzene	103-33-3	BCKK0887	99%	1,002.4	µg/mL	+/- 36.4711
56	4-Bromophenyl phenyl ether	101-55-3	STBH6361	99%	1,008.8	µg/mL	+/- 36.7031
57	Hexachlorobenzene	118-74-1	15458400	99%	1,005.1	µg/mL	+/- 36.5712
58	Pentachlorophenol	87-86-5	RP240517RSR	99%	1,005.9	µg/mL	+/- 36.5984
59	Phenanthrene	85-01-8	MKCT3391	99%	1,004.9	µg/mL	+/- 36.5621
60	Anthracene	120-12-7	101492T18R	99%	1,005.1	µg/mL	+/- 36.5712
61	Carbazole	86-74-8	15276700	99%	1,005.4	µg/mL	+/- 36.5803
62	Di-n-butylphthalate	84-74-2	MKCN4337	99%	1,006.3	µg/mL	+/- 36.6121
63	Fluoranthene	206-44-0	MKCQ4728	99%	1,003.5	µg/mL	+/- 36.5120
64	Pyrene	129-00-0	BCKK2592	99%	1,002.0	µg/mL	+/- 36.4575
65	Benzyl butyl phthalate	85-68-7	X12I018	99%	1,007.5	µg/mL	+/- 36.6576
66	Bis(2-ethylhexyl)adipate	103-23-1	MKCM1988	99%	1,005.9	µg/mL	+/- 36.5984
67	Benz(a)anthracene	56-55-3	I70012022BAA	99%	1,005.5	µg/mL	+/- 36.5848
68	Chrysene	218-01-9	RP241007RSR	99%	1,005.3	µg/mL	+/- 36.5757
69	Bis(2-ethylhexyl)phthalate	117-81-7	MKCS8065	99%	1,007.5	µg/mL	+/- 36.6576
70	Di-n-octyl phthalate	117-84-0	15566400	99%	1,002.3	µg/mL	+/- 36.4666
71	Benzo(b)fluoranthene	205-99-2	052013B	99%	1,004.1	µg/mL	+/- 36.5348
72	Benzo(k)fluoranthene	207-08-9	012022K	99%	1,002.8	µg/mL	+/- 36.4847
73	Benzo(a)pyrene	50-32-8	NQLXA	98%	1,006.2	µg/mL	+/- 36.6108
74	Indeno(1,2,3-cd)pyrene	193-39-5	12-JKL-118-9	97%	1,001.8	µg/mL	+/- 36.4490
75	Dibenz(a,h)anthracene	53-70-3	2-ASA-59-1	99%	1,003.3	µg/mL	+/- 36.5029
76	Benzo(g,h,i)perylene	191-24-2	RP241014RSR	98%	1,003.8	µg/mL	+/- 36.5217

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

Tech Tips:

N-Nitrosodiphenylamine (86-30-6) is prone to breakdown in the injection port and will be converted to Diphenylamine (122-39-4). When comparing the response of Diphenylamine to mixtures manufactured using N-Nitrosodiphenylamine, a difference in response will be observed. The ratio of the MW can be used to calculate the theoretical concentration of the N-Nitrosodiphenylamine.



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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
12/17/24

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Pyridine	110-86-1	SHBP6240	99%	1,008.3 µg/mL	+/- 36.6849
2	N-Nitrosodimethylamine	62-75-9	S240313RSR	99%	1,008.6 µg/mL	+/- 36.6985
3	Phenol	108-95-2	MKCK1120	99%	1,003.5 µg/mL	+/- 36.5120
4	Aniline	62-53-3	X22F726	99%	1,002.9 µg/mL	+/- 36.4893
5	Bis(2-chloroethyl)ether	111-44-4	002891T24M	99%	1,003.0 µg/mL	+/- 36.4938
6	2-Chlorophenol	95-57-8	STBJ3909	99%	1,005.6 µg/mL	+/- 36.5894
7	1,3-Dichlorobenzene	541-73-1	BCCD5315	99%	1,004.1 µg/mL	+/- 36.5348
8	1,4-Dichlorobenzene	106-46-7	MKBS7929V	99%	1,002.1 µg/mL	+/- 36.4620
9	Benzyl alcohol	100-51-6	SHBK5469	99%	1,003.5 µg/mL	+/- 36.5120
10	1,2-Dichlorobenzene	95-50-1	SHBL6287	99%	1,005.3 µg/mL	+/- 36.5757
11	2-Methylphenol (o-cresol)	95-48-7	SHBN7598	99%	1,008.4 µg/mL	+/- 36.6894
12	2,2'-oxybis(1-chloropropane)	108-60-1	29-MAR-45-5	99%	1,004.6 µg/mL	+/- 36.5530
13	3-Methylphenol (m-cresol)	108-39-4	STBJ0710	99%	502.1 µg/mL	+/- 18.2697
14	4-Methylphenol (p-cresol)	106-44-5	SHBN3411	99%	503.8 µg/mL	+/- 18.3288
15	N-Nitroso-di-n-propylamine	621-64-7	N63MG	99%	1,006.5 µg/mL	+/- 36.6212
16	Hexachloroethane	67-72-1	DAXRI	99%	1,004.5 µg/mL	+/- 36.5484
17	Nitrobenzene	98-95-3	10224044	99%	1,002.5 µg/mL	+/- 36.4757

18	Isophorone	78-59-1	MKCR3249	99%	1,003.4	µg/mL	+/- 36.5075
19	2-Nitrophenol	88-75-5	RP230710	99%	1,002.5	µg/mL	+/- 36.4757
20	2,4-Dimethylphenol	105-67-9	XW5GK	99%	1,006.5	µg/mL	+/- 36.6212
21	Bis(2-chloroethoxy)methane	111-91-1	15705100	99%	1,006.6	µg/mL	+/- 36.6257
22	2,4-Dichlorophenol	120-83-2	BCKK6969	99%	1,001.5	µg/mL	+/- 36.4393
23	1,2,4-Trichlorobenzene	120-82-1	SHBP5900	99%	1,006.4	µg/mL	+/- 36.6166
24	Naphthalene	91-20-3	STBL1057	99%	1,002.1	µg/mL	+/- 36.4620
25	4-Chloroaniline	106-47-8	BCCJ3217	99%	1,004.4	µg/mL	+/- 36.5439
26	Hexachlorobutadiene	87-68-3	X05J	98%	1,002.5	µg/mL	+/- 36.4771
27	4-Chloro-3-methylphenol	59-50-7	BCCD4461	99%	1,004.5	µg/mL	+/- 36.5484
28	2-Methylnaphthalene	91-57-6	STBL3028	99%	1,000.0	µg/mL	+/- 36.3847
29	1-Methylnaphthalene	90-12-0	5234.00-8	98%	990.2	µg/mL	+/- 36.0269
30	Hexachlorocyclopentadiene	77-47-4	099063I14L	98%	1,001.3	µg/mL	+/- 36.4325
31	2,4,6-Trichlorophenol	88-06-2	STBK8870	99%	1,006.4	µg/mL	+/- 36.6166
32	2,4,5-Trichlorophenol	95-95-4	3YFRE	97%	1,004.6	µg/mL	+/- 36.5505
33	2-Chloronaphthalene	91-58-7	RPN7O	99%	1,004.3	µg/mL	+/- 36.5393
34	2-Nitroaniline	88-74-4	RP240715RSR	99%	1,004.4	µg/mL	+/- 36.5439
35	1,4-Dinitrobenzene	100-25-4	RP240703RSR	99%	1,002.8	µg/mL	+/- 36.4847
36	Acenaphthylene	208-96-8	RP241029RSR	98%	1,000.0	µg/mL	+/- 36.3835
37	1,3-Dinitrobenzene	99-65-0	TRC3-1075941-2-1	99%	1,006.3	µg/mL	+/- 36.6121
38	Dimethylphthalate	131-11-3	358221L17K	99%	1,008.9	µg/mL	+/- 36.7076
39	2,6-Dinitrotoluene	606-20-2	BCCG1833	99%	1,006.6	µg/mL	+/- 36.6257
40	1,2-Dinitrobenzene	528-29-0	RP240701RSR	99%	1,002.5	µg/mL	+/- 36.4757
41	Acenaphthene	83-32-9	MKCR7169	99%	1,000.0	µg/mL	+/- 36.3847
42	3-Nitroaniline	99-09-2	RP240708RSR	99%	1,004.6	µg/mL	+/- 36.5530
43	2,4-Dinitrophenol	51-28-5	D240927RSR	----%	1,005.6	µg/mL	+/- 36.5894
44	Dibenzofuran	132-64-9	MKCN1772	99%	1,003.5	µg/mL	+/- 36.5120
45	2,4-Dinitrotoluene	121-14-2	102869V26E	99%	1,008.3	µg/mL	+/- 36.6849
46	4-Nitrophenol	100-02-7	20241029-2-AN	99%	1,004.8	µg/mL	+/- 36.5575
47	2,3,4,6-Tetrachlorophenol	58-90-2	PR-34476	99%	1,005.8	µg/mL	+/- 36.5939
48	2,3,5,6-Tetrachlorophenol	935-95-5	RP231219RSR	99%	1,006.4	µg/mL	+/- 36.6166
49	Fluorene	86-73-7	10246250	98%	1,000.7	µg/mL	+/- 36.4102
50	4-Chlorophenyl phenyl ether	7005-72-3	MKCT7248	99%	1,004.9	µg/mL	+/- 36.5621
51	Diethylphthalate	84-66-2	BCCJ6241	99%	1,003.9	µg/mL	+/- 36.5257
52	4-Nitroaniline	100-01-6	RP230111	99%	1,006.6	µg/mL	+/- 36.6257
53	4,6-Dinitro-2-methylphenol (Dinitro-o-cresol)	534-52-1	S241008RSR	99%	1,001.3	µg/mL	+/- 36.4302

54	Diphenylamine	122-39-4	MKCT1512	99%	1,003.0	µg/mL	+/- 36.4938
55	Azobenzene	103-33-3	BCKK0887	99%	1,002.4	µg/mL	+/- 36.4711
56	4-Bromophenyl phenyl ether	101-55-3	STBH6361	99%	1,008.8	µg/mL	+/- 36.7031
57	Hexachlorobenzene	118-74-1	15458400	99%	1,005.1	µg/mL	+/- 36.5712
58	Pentachlorophenol	87-86-5	RP240517RSR	99%	1,005.9	µg/mL	+/- 36.5984
59	Phenanthrene	85-01-8	MKCT3391	99%	1,004.9	µg/mL	+/- 36.5621
60	Anthracene	120-12-7	101492T18R	99%	1,005.1	µg/mL	+/- 36.5712
61	Carbazole	86-74-8	15276700	99%	1,005.4	µg/mL	+/- 36.5803
62	Di-n-butylphthalate	84-74-2	MKCN4337	99%	1,006.3	µg/mL	+/- 36.6121
63	Fluoranthene	206-44-0	MKCQ4728	99%	1,003.5	µg/mL	+/- 36.5120
64	Pyrene	129-00-0	BCKK2592	99%	1,002.0	µg/mL	+/- 36.4575
65	Benzyl butyl phthalate	85-68-7	X12I018	99%	1,007.5	µg/mL	+/- 36.6576
66	Bis(2-ethylhexyl)adipate	103-23-1	MKCM1988	99%	1,005.9	µg/mL	+/- 36.5984
67	Benz(a)anthracene	56-55-3	I70012022BAA	99%	1,005.5	µg/mL	+/- 36.5848
68	Chrysene	218-01-9	RP241007RSR	99%	1,005.3	µg/mL	+/- 36.5757
69	Bis(2-ethylhexyl)phthalate	117-81-7	MKCS8065	99%	1,007.5	µg/mL	+/- 36.6576
70	Di-n-octyl phthalate	117-84-0	15566400	99%	1,002.3	µg/mL	+/- 36.4666
71	Benzo(b)fluoranthene	205-99-2	052013B	99%	1,004.1	µg/mL	+/- 36.5348
72	Benzo(k)fluoranthene	207-08-9	012022K	99%	1,002.8	µg/mL	+/- 36.4847
73	Benzo(a)pyrene	50-32-8	NQLXA	98%	1,006.2	µg/mL	+/- 36.6108
74	Indeno(1,2,3-cd)pyrene	193-39-5	12-JKL-118-9	97%	1,001.8	µg/mL	+/- 36.4490
75	Dibenz(a,h)anthracene	53-70-3	2-ASA-59-1	99%	1,003.3	µg/mL	+/- 36.5029
76	Benzo(g,h,i)perylene	191-24-2	RP241014RSR	98%	1,003.8	µg/mL	+/- 36.5217

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

Tech Tips:

N-Nitrosodiphenylamine (86-30-6) is prone to breakdown in the injection port and will be converted to Diphenylamine (122-39-4). When comparing the response of Diphenylamine to mixtures manufactured using N-Nitrosodiphenylamine, a difference in response will be observed. The ratio of the MW can be used to calculate the theoretical concentration of the N-Nitrosodiphenylamine.



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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
12/17/24

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Pyridine	110-86-1	SHBP6240	99%	1,008.3 µg/mL	+/- 36.6849
2	N-Nitrosodimethylamine	62-75-9	S240313RSR	99%	1,008.6 µg/mL	+/- 36.6985
3	Phenol	108-95-2	MKCK1120	99%	1,003.5 µg/mL	+/- 36.5120
4	Aniline	62-53-3	X22F726	99%	1,002.9 µg/mL	+/- 36.4893
5	Bis(2-chloroethyl)ether	111-44-4	002891T24M	99%	1,003.0 µg/mL	+/- 36.4938
6	2-Chlorophenol	95-57-8	STBJ3909	99%	1,005.6 µg/mL	+/- 36.5894
7	1,3-Dichlorobenzene	541-73-1	BCCD5315	99%	1,004.1 µg/mL	+/- 36.5348
8	1,4-Dichlorobenzene	106-46-7	MKBS7929V	99%	1,002.1 µg/mL	+/- 36.4620
9	Benzyl alcohol	100-51-6	SHBK5469	99%	1,003.5 µg/mL	+/- 36.5120
10	1,2-Dichlorobenzene	95-50-1	SHBL6287	99%	1,005.3 µg/mL	+/- 36.5757
11	2-Methylphenol (o-cresol)	95-48-7	SHBN7598	99%	1,008.4 µg/mL	+/- 36.6894
12	2,2'-oxybis(1-chloropropane)	108-60-1	29-MAR-45-5	99%	1,004.6 µg/mL	+/- 36.5530
13	3-Methylphenol (m-cresol)	108-39-4	STBJ0710	99%	502.1 µg/mL	+/- 18.2697
14	4-Methylphenol (p-cresol)	106-44-5	SHBN3411	99%	503.8 µg/mL	+/- 18.3288
15	N-Nitroso-di-n-propylamine	621-64-7	N63MG	99%	1,006.5 µg/mL	+/- 36.6212
16	Hexachloroethane	67-72-1	DAXRI	99%	1,004.5 µg/mL	+/- 36.5484
17	Nitrobenzene	98-95-3	10224044	99%	1,002.5 µg/mL	+/- 36.4757

18	Isophorone	78-59-1	MKCR3249	99%	1,003.4	µg/mL	+/- 36.5075
19	2-Nitrophenol	88-75-5	RP230710	99%	1,002.5	µg/mL	+/- 36.4757
20	2,4-Dimethylphenol	105-67-9	XW5GK	99%	1,006.5	µg/mL	+/- 36.6212
21	Bis(2-chloroethoxy)methane	111-91-1	15705100	99%	1,006.6	µg/mL	+/- 36.6257
22	2,4-Dichlorophenol	120-83-2	BCKK6969	99%	1,001.5	µg/mL	+/- 36.4393
23	1,2,4-Trichlorobenzene	120-82-1	SHBP5900	99%	1,006.4	µg/mL	+/- 36.6166
24	Naphthalene	91-20-3	STBL1057	99%	1,002.1	µg/mL	+/- 36.4620
25	4-Chloroaniline	106-47-8	BCCJ3217	99%	1,004.4	µg/mL	+/- 36.5439
26	Hexachlorobutadiene	87-68-3	X05J	98%	1,002.5	µg/mL	+/- 36.4771
27	4-Chloro-3-methylphenol	59-50-7	BCCD4461	99%	1,004.5	µg/mL	+/- 36.5484
28	2-Methylnaphthalene	91-57-6	STBL3028	99%	1,000.0	µg/mL	+/- 36.3847
29	1-Methylnaphthalene	90-12-0	5234.00-8	98%	990.2	µg/mL	+/- 36.0269
30	Hexachlorocyclopentadiene	77-47-4	099063I14L	98%	1,001.3	µg/mL	+/- 36.4325
31	2,4,6-Trichlorophenol	88-06-2	STBK8870	99%	1,006.4	µg/mL	+/- 36.6166
32	2,4,5-Trichlorophenol	95-95-4	3YFRE	97%	1,004.6	µg/mL	+/- 36.5505
33	2-Chloronaphthalene	91-58-7	RPN7O	99%	1,004.3	µg/mL	+/- 36.5393
34	2-Nitroaniline	88-74-4	RP240715RSR	99%	1,004.4	µg/mL	+/- 36.5439
35	1,4-Dinitrobenzene	100-25-4	RP240703RSR	99%	1,002.8	µg/mL	+/- 36.4847
36	Acenaphthylene	208-96-8	RP241029RSR	98%	1,000.0	µg/mL	+/- 36.3835
37	1,3-Dinitrobenzene	99-65-0	TRC3-1075941-2-1	99%	1,006.3	µg/mL	+/- 36.6121
38	Dimethylphthalate	131-11-3	358221L17K	99%	1,008.9	µg/mL	+/- 36.7076
39	2,6-Dinitrotoluene	606-20-2	BCCG1833	99%	1,006.6	µg/mL	+/- 36.6257
40	1,2-Dinitrobenzene	528-29-0	RP240701RSR	99%	1,002.5	µg/mL	+/- 36.4757
41	Acenaphthene	83-32-9	MKCR7169	99%	1,000.0	µg/mL	+/- 36.3847
42	3-Nitroaniline	99-09-2	RP240708RSR	99%	1,004.6	µg/mL	+/- 36.5530
43	2,4-Dinitrophenol	51-28-5	D240927RSR	----%	1,005.6	µg/mL	+/- 36.5894
44	Dibenzofuran	132-64-9	MKCN1772	99%	1,003.5	µg/mL	+/- 36.5120
45	2,4-Dinitrotoluene	121-14-2	102869V26E	99%	1,008.3	µg/mL	+/- 36.6849
46	4-Nitrophenol	100-02-7	20241029-2-AN	99%	1,004.8	µg/mL	+/- 36.5575
47	2,3,4,6-Tetrachlorophenol	58-90-2	PR-34476	99%	1,005.8	µg/mL	+/- 36.5939
48	2,3,5,6-Tetrachlorophenol	935-95-5	RP231219RSR	99%	1,006.4	µg/mL	+/- 36.6166
49	Fluorene	86-73-7	10246250	98%	1,000.7	µg/mL	+/- 36.4102
50	4-Chlorophenyl phenyl ether	7005-72-3	MKCT7248	99%	1,004.9	µg/mL	+/- 36.5621
51	Diethylphthalate	84-66-2	BCCJ6241	99%	1,003.9	µg/mL	+/- 36.5257
52	4-Nitroaniline	100-01-6	RP230111	99%	1,006.6	µg/mL	+/- 36.6257
53	4,6-Dinitro-2-methylphenol (Dinitro-o-cresol)	534-52-1	S241008RSR	99%	1,001.3	µg/mL	+/- 36.4302

54	Diphenylamine	122-39-4	MKCT1512	99%	1,003.0	µg/mL	+/- 36.4938
55	Azobenzene	103-33-3	BCKK0887	99%	1,002.4	µg/mL	+/- 36.4711
56	4-Bromophenyl phenyl ether	101-55-3	STBH6361	99%	1,008.8	µg/mL	+/- 36.7031
57	Hexachlorobenzene	118-74-1	15458400	99%	1,005.1	µg/mL	+/- 36.5712
58	Pentachlorophenol	87-86-5	RP240517RSR	99%	1,005.9	µg/mL	+/- 36.5984
59	Phenanthrene	85-01-8	MKCT3391	99%	1,004.9	µg/mL	+/- 36.5621
60	Anthracene	120-12-7	101492T18R	99%	1,005.1	µg/mL	+/- 36.5712
61	Carbazole	86-74-8	15276700	99%	1,005.4	µg/mL	+/- 36.5803
62	Di-n-butylphthalate	84-74-2	MKCN4337	99%	1,006.3	µg/mL	+/- 36.6121
63	Fluoranthene	206-44-0	MKCQ4728	99%	1,003.5	µg/mL	+/- 36.5120
64	Pyrene	129-00-0	BCKK2592	99%	1,002.0	µg/mL	+/- 36.4575
65	Benzyl butyl phthalate	85-68-7	X12I018	99%	1,007.5	µg/mL	+/- 36.6576
66	Bis(2-ethylhexyl)adipate	103-23-1	MKCM1988	99%	1,005.9	µg/mL	+/- 36.5984
67	Benz(a)anthracene	56-55-3	I70012022BAA	99%	1,005.5	µg/mL	+/- 36.5848
68	Chrysene	218-01-9	RP241007RSR	99%	1,005.3	µg/mL	+/- 36.5757
69	Bis(2-ethylhexyl)phthalate	117-81-7	MKCS8065	99%	1,007.5	µg/mL	+/- 36.6576
70	Di-n-octyl phthalate	117-84-0	15566400	99%	1,002.3	µg/mL	+/- 36.4666
71	Benzo(b)fluoranthene	205-99-2	052013B	99%	1,004.1	µg/mL	+/- 36.5348
72	Benzo(k)fluoranthene	207-08-9	012022K	99%	1,002.8	µg/mL	+/- 36.4847
73	Benzo(a)pyrene	50-32-8	NQLXA	98%	1,006.2	µg/mL	+/- 36.6108
74	Indeno(1,2,3-cd)pyrene	193-39-5	12-JKL-118-9	97%	1,001.8	µg/mL	+/- 36.4490
75	Dibenz(a,h)anthracene	53-70-3	2-ASA-59-1	99%	1,003.3	µg/mL	+/- 36.5029
76	Benzo(g,h,i)perylene	191-24-2	RP241014RSR	98%	1,003.8	µg/mL	+/- 36.5217

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

Tech Tips:

N-Nitrosodiphenylamine (86-30-6) is prone to breakdown in the injection port and will be converted to Diphenylamine (122-39-4). When comparing the response of Diphenylamine to mixtures manufactured using N-Nitrosodiphenylamine, a difference in response will be observed. The ratio of the MW can be used to calculate the theoretical concentration of the N-Nitrosodiphenylamine.



SHIPPING DOCUMENTS

Q1539

Weston COC ID
Weston_20250310_1451

Chain of Custody Record/Lab Work Request

Page	1	of	1



Client:	Weston Solutions, Inc.		
Project Manager:	David Sembrot		
Street Address:	1400 Weston Way	City:	West Chester
Phone:	610-314-5456	ST, ZIP:	PA, 19038
e-mail:	david.sembrot@westonsolutions.com		
Sampled By:	Cheyenne Harrington		

Project Name:	Fort Meade RI	Project POC:	Nathan Fretz
PO Number:	0111169	Phone:	484-524-5665
W.O. #:		POC e-mail:	nathan.fretz@westonsolutions.com
Lab:	CHEMTECH	Lab POC:	Jordan Hedvat
TAT (days):	21	Lab Phone:	906-728-3144
Lab Address:	284 Sheffield Street Mountainside, NJ 07092		

Matrix Codes	
SS - Soil	
SE - Sediment	
SO - Solid	
SL - Sludge	
GW - Groundwater	
W - Water	
SB - Soil Boring	
A - Air	
DS - Drum Solids	
DL - Drum Liquids	
L - EP/TCLP Leachate	
WI - Wipe	
X - Other	
F - Fish	

Lab Use Only		
Temperature of cooler when received (°C)		
COC Tape was present and unbroken on outer package?	Y	N
Samples received in good condition?	Y	N
Labels indicate properly preserved?	Y	N
Received within holding times?	Y	N
Discrepancies between sample labels and COC record?	Y	N

Analyses Requested:	DRO by EPA 8015D	Pesticides by EPA 8081B	SVOCs by EPA 8270E	O&G by EPA 1864A	Hardness by EPA 200.7 & SM2340B	Anions by EPA 9056A	TOC by EPA 9060A/Lloyd Kahn	GRO by EPA 8015D	VOCs by EPA 8260D	Hex Cr by EPA 7196A	Ammonia by SM4500-NH3 B P	Metals w Hg by EPA 6020B/7470A
Container Type:	Amber	Amber	Amber	Glass	Plastic	Plastic	Vial	Vial	Vial	Plastic	Plastic	Plastic
Container Size:	1 L	1 L	1 L	1 L	1 L	1 L	40 mL	40 mL	40 mL	500 mL	500 mL	500 mL
Preservative:	Ice to 0 deg C	Ice to 0-6 deg C	Ice to 0-6 deg C	H2SO4 to < 2	HNO3 to pH 0-6	Ice to 0-6	H2SO4 to < 2	HCL to PH < 2	HCL to PH < 2	Ammonium	H2SO4; Ice to 0-6	HNO3 to pH < 2

#	Sample ID	G/C	Matrix	# Cont	MS/MSD	Date Collected	Time Collected	X ¹	X ²	X ³	X ⁴	X ⁵	X ⁶	X ⁷	X ⁸	X ⁹	X ¹⁰	X ¹¹	X ¹²	Special Instructions/Comments
1	TAPIAL3-MW03D-031025-00-T1	g	GW	19	no	3/10/2025	11:50	X	X	X	X	X	X	X	X	X	X	X	X	pH 1.9
2	TAPFTA-MW011-031025-00-T2	g	GW	19	no	3/10/2025	15:10	X	X	X	X	X	X	X	X	X	X	X	X	pH 1.9
3	TAP-TB-03-031025-T1	g	W	2	no	3/10/2025	11:50							X						
4	TAP-TB-04-031025-T2	g	W	2	no	3/10/25	16:55							X						Air in VOAs
5																				
6																				
7																				
8																				
9																				
10																				
11																				
12																				

Shipping Airbill Number:	772613513156					Cooler Number:	1	of	2
Relinquished By:	Date:	Time:	Received By:	Date:	Time:	Additional Comments:			
1.) [Signature]	3/10/25	1700	FedEx			QSM 6.0 Compliant			
2.) [Signature]			[Signature]	3-11-25	9:56	Deliverable Requirements: DoD Level IV report, EnviroData EDD, and ERIS-compatible EDD			
3.)									

3.1 IR-Gun #1

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 : Q1539	WEST04	Order Date : 3/11/2025 10:36:00 AM	Project Mgr : YAZMEEN
Client Name : Weston Solutions		Project Name : Ft Meade Tipton Airfield Pa	Report Type : Level 4
Client Contact : Nathan Fretz		Receive DateTime : 3/11/2025 9:56:00 AM	EDD Type : SEDD 2A
Invoice Name : Weston Solutions		Purchase Order :	Hard Copy Date :
Invoice Contact : Nathan Fretz			Date Signoff : 3/11/2025 11:38:51 AM

LAB ID	CLIENT ID	MATRIX	SAMPLE DATE	SAMPLE TIME	TEST	TEST GROUP	METHOD	FAX DATE	DUE DATES
Q1539-01	TAPIAL3-MW03D-031025-00-T1	Water	03/10/2025	11:50	VOC-TCLVOA-10		8260D		10 Bus. Days
Q1539-02	TAPFTA-MW01I-031025-00-T2	Water	03/10/2025	15:10	VOC-TCLVOA-10		8260D		10 Bus. Days
Q1539-03	TAP-TB-03-031025	Water	03/10/2025	11:50	VOC-TCLVOA-10		8260D		10 Bus. Days
Q1539-04	TAP-TB-04-031025-T2	Water	03/10/2025	16:55	VOC-TCLVOA-10		8260D		10 Bus. Days

Relinquished By :

Date / Time :


3/12/25

Received By :

Date / Time :


3/12/25

Storage Area : VOA Refridgerator Room

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF031025\
 Data File : BF141904.D
 Acq On : 10 Mar 2025 14:27
 Operator : RC/JU
 Sample : SSTDICC080
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SSTDICC080

Quant Time: Mar 10 15:37:59 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF031025.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Mar 10 15:01:52 2025
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.887	152	214737	20.000	ng	0.00
21) Naphthalene-d8	8.169	136	826030	20.000	ng	0.00
39) Acenaphthene-d10	9.922	164	452864	20.000	ng	0.00
64) Phenanthrene-d10	11.404	188	738472	20.000	ng	0.00
76) Chrysene-d12	14.045	240	424370	20.000	ng	0.00
86) Perylene-d12	15.510	264	391768	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.498	112	1930406	149.991	ng	0.00
7) Phenol-d6	6.522	99	2446183	149.235	ng	0.02
23) Nitrobenzene-d5	7.457	82	2335417	158.463	ng	0.01
42) 2,4,6-Tribromophenol	10.716	330	986206	171.858	ng	0.01
45) 2-Fluorobiphenyl	9.245	172	4513418	151.763	ng	0.00
79) Terphenyl-d14	12.992	244	4700026	163.713	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	2.669	88	436007	80.831	ng	98
3) Pyridine	3.440	79	1059473	79.923	ng	99
4) n-Nitrosodimethylamine	3.416	42	521442	82.752	ng	99
6) Aniline	6.563	93	1160437	71.712	ng	99
8) 2-Chlorophenol	6.675	128	1078659	75.616	ng	98
9) Benzaldehyde	6.440	77	516360	56.359	ng	99
10) Phenol	6.534	94	1285145	74.308	ng	89
11) bis(2-Chloroethyl)ether	6.628	93	968280	74.725	ng	99
12) 1,3-Dichlorobenzene	6.828	146	1173924	76.153	ng	100
13) 1,4-Dichlorobenzene	6.904	146	1181975	75.784	ng	99
14) 1,2-Dichlorobenzene	7.063	146	1093316	74.440	ng	99
15) Benzyl Alcohol	7.034	79	1013314	76.376	ng	98
16) 2,2'-oxybis(1-Chloropr...	7.163	45	1127534	72.198	ng	98
17) 2-Methylphenol	7.134	107	876665	77.326	ng	98
18) Hexachloroethane	7.398	117	448765	76.745	ng	96
19) n-Nitroso-di-n-propyla...	7.316	70	783318	74.351	ng	100
20) 3+4-Methylphenols	7.298	107	1050191	72.219	ng	# 84
22) Acetophenone	7.304	105	1496035	75.498	ng	# 95
24) Nitrobenzene	7.475	77	1162753	79.572	ng	100
25) Isophorone	7.722	82	2056405	79.032	ng	100
26) 2-Nitrophenol	7.787	139	599261	83.688	ng	99
27) 2,4-Dimethylphenol	7.822	122	767514	77.821	ng	99
28) bis(2-Chloroethoxy)met...	7.916	93	1248549	76.598	ng	100
29) 2,4-Dichlorophenol	8.028	162	971886	79.403	ng	99
30) 1,2,4-Trichlorobenzene	8.110	180	1062793	78.705	ng	99
31) Naphthalene	8.192	128	3152444	74.497	ng	99
32) Benzoic acid	7.975	122	795850	92.323	ng	98
33) 4-Chloroaniline	8.239	127	1088546	72.896	ng	100
34) Hexachlorobutadiene	8.304	225	713827	81.299	ng	99
35) Caprolactam	8.639	113	222427	59.762	ng	96
36) 4-Chloro-3-methylphenol	8.716	107	1056917	77.644	ng	99
37) 2-Methylnaphthalene	8.881	142	2129990	75.023	ng	100
38) 1-Methylnaphthalene	8.981	142	2050191	74.568	ng	99
40) 1,2,4,5-Tetrachloroben...	9.045	216	1127671	81.667	ng	98
41) Hexachlorocyclopentadiene	9.028	237	463300	85.031	ng	99
43) 2,4,6-Trichlorophenol	9.157	196	741710	82.399	ng	100

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF031025\
 Data File : BF141904.D
 Acq On : 10 Mar 2025 14:27
 Operator : RC/JU
 Sample : SSTDICC080
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SSTDICC080

Quant Time: Mar 10 15:37:59 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF031025.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Mar 10 15:01:52 2025
 Response via : Initial Calibration

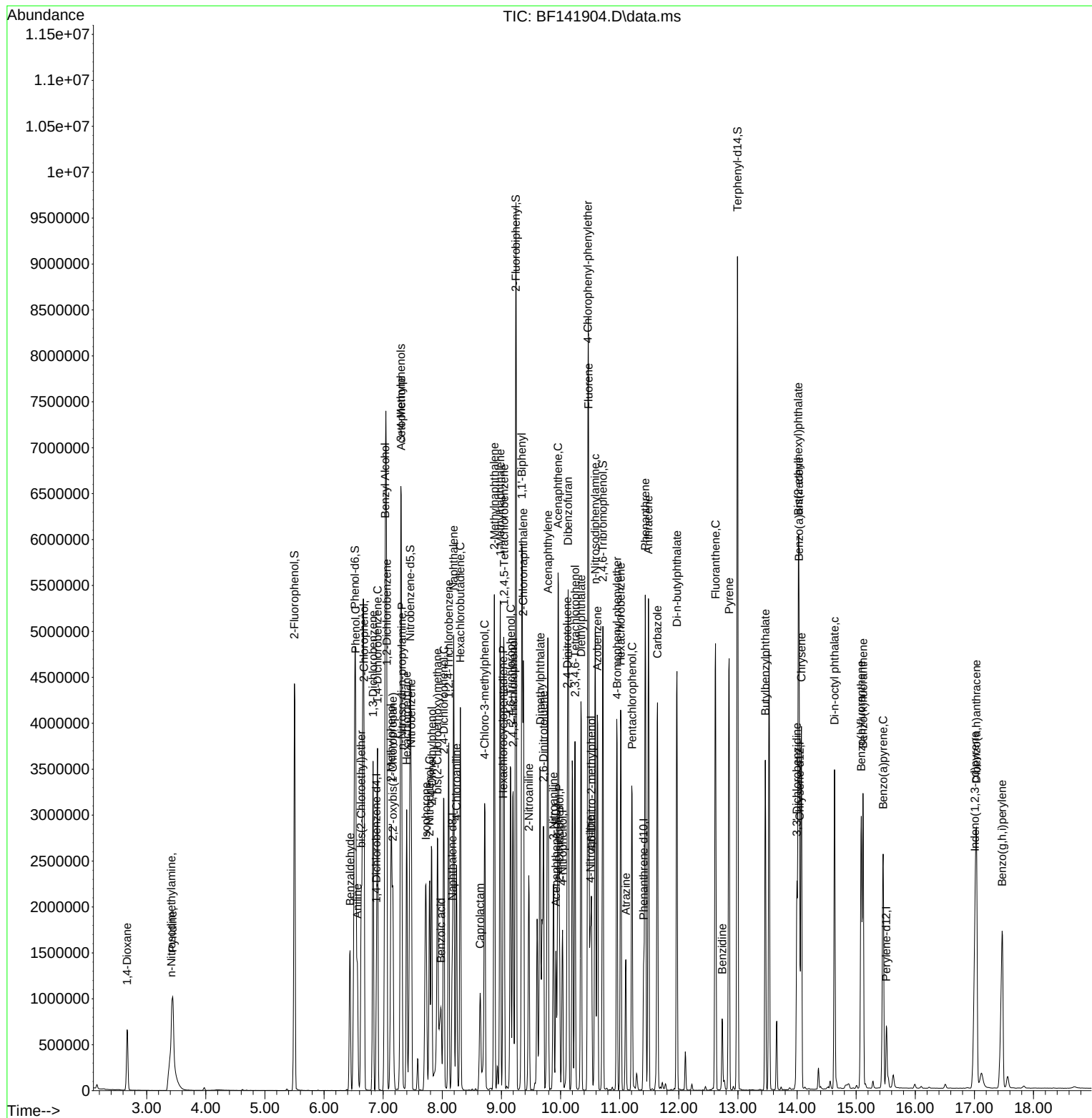
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.198	196	736926	80.579	ng	100
46) 1,1'-Biphenyl	9.345	154	2626697	76.503	ng	99
47) 2-Chloronaphthalene	9.369	162	1992242	77.859	ng	99
48) 2-Nitroaniline	9.463	65	597778	81.326	ng	98
49) Acenaphthylene	9.786	152	2878496	75.877	ng	99
50) Dimethylphthalate	9.657	163	2428843	77.192	ng	100
51) 2,6-Dinitrotoluene	9.710	165	529139	80.867	ng	99
52) Acenaphthene	9.957	154	2085941	77.872	ng	99
53) 3-Nitroaniline	9.881	138	526980	78.435	ng	100
54) 2,4-Dinitrophenol	9.981	184	305399	81.479	ng	# 55
55) Dibenzofuran	10.128	168	2844432	74.474	ng	99
56) 4-Nitrophenol	10.033	139	416153	82.456	ng	97
57) 2,4-Dinitrotoluene	10.116	165	681278	79.099	ng	95
58) Fluorene	10.475	166	2210653	74.974	ng	99
59) 2,3,4,6-Tetrachlorophenol	10.245	232	668027	80.507	ng	99
60) Diethylphthalate	10.345	149	2358921	74.681	ng	99
61) 4-Chlorophenyl-phenyle...	10.463	204	1209021	78.724	ng	97
62) 4-Nitroaniline	10.504	138	502894	77.243	ng	98
63) Azobenzene	10.622	77	2168742	73.911	ng	99
65) 4,6-Dinitro-2-methylph...	10.522	198	404505	92.396	ng	98
66) n-Nitrosodiphenylamine	10.586	169	1882098	78.895	ng	99
67) 4-Bromophenyl-phenylether	10.957	248	774645	84.232	ng	95
68) Hexachlorobenzene	11.016	284	862357	84.832	ng	97
69) Atrazine	11.104	200	258544	44.445	ng	99
70) Pentachlorophenol	11.210	266	563030	89.813	ng	100
71) Phenanthrene	11.433	178	3020950	75.649	ng	99
72) Anthracene	11.486	178	3031014	75.653	ng	99
73) Carbazole	11.639	167	2552563	74.002	ng	98
74) Di-n-butylphthalate	11.969	149	3342776	73.399	ng	99
75) Fluoranthene	12.622	202	3005566	71.694	ng	99
77) Benzidine	12.733	184	427770	71.330	ng	99
78) Pyrene	12.851	202	2930115	80.513	ng	99
80) Butylbenzylphthalate	13.463	149	1149989	80.189	ng	99
81) Benzo(a)anthracene	14.033	228	2196935	78.692	ng	100
82) 3,3'-Dichlorobenzidine	13.998	252	652678	80.884	ng	99
83) Chrysene	14.074	228	2018832	80.498	ng	99
84) Bis(2-ethylhexyl)phtha...	14.021	149	1573231	79.962	ng	98
85) Di-n-octyl phthalate	14.633	149	2310836	84.386	ng	100
87) Indeno(1,2,3-cd)pyrene	17.009	276	2238588	88.111	ng	99
88) Benzo(b)fluoranthene	15.086	252	2246428	84.536	ng	99
89) Benzo(k)fluoranthene	15.116	252	1631675	70.292	ng	99
90) Benzo(a)pyrene	15.457	252	1725632	82.339	ng	100
91) Dibenzo(a,h)anthracene	17.033	278	1846778	88.098	ng	99
92) Benzo(g,h,i)perylene	17.468	276	1828662	87.950	ng	99

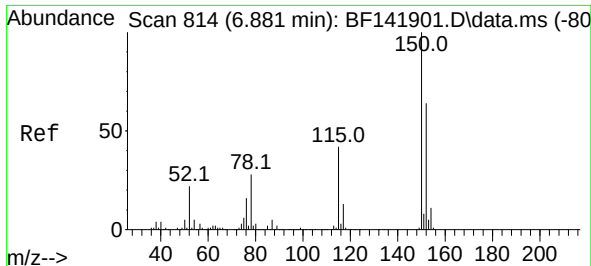
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Data File : BF141904.D
Acq On : 10 Mar 2025 14:27
Operator : RC/JU
Sample : SSTDICC080
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Quant Time: Mar 10 15:37:59 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF031025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Mar 10 15:01:52 2025
Response via : Initial Calibration

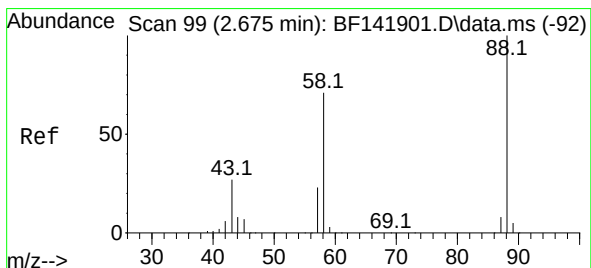
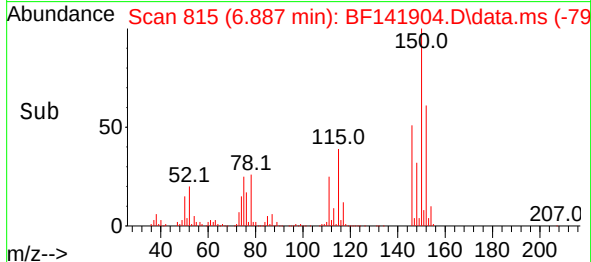
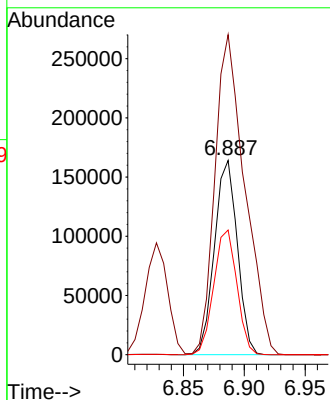
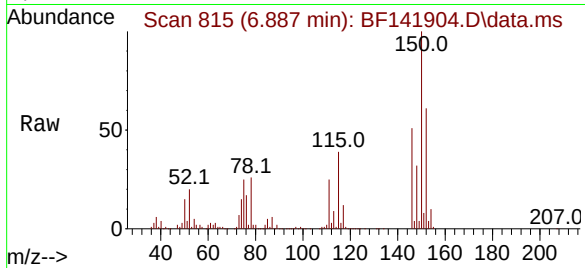




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.887 min Scan# 81
Delta R.T. 0.006 min
Lab File: BF141904.D
Acq: 10 Mar 2025 14:27

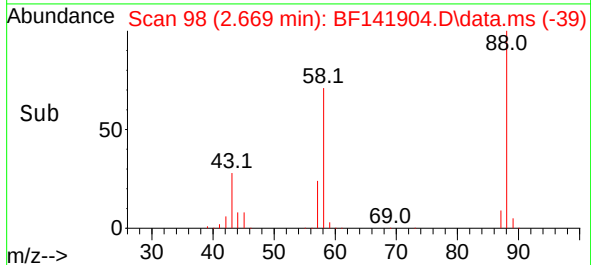
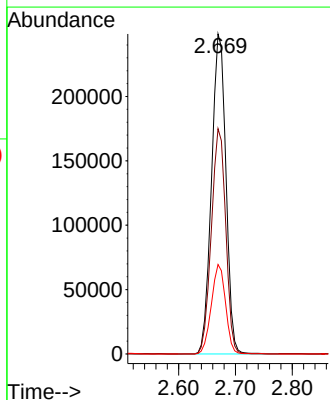
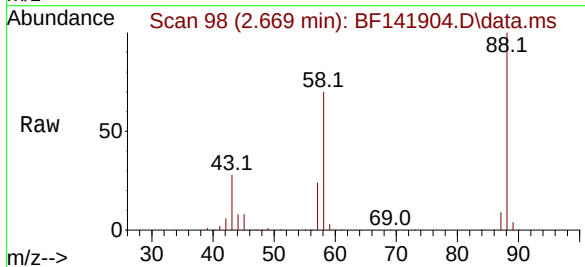
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BNA_F
ClientSampleId :
SSTDICC080

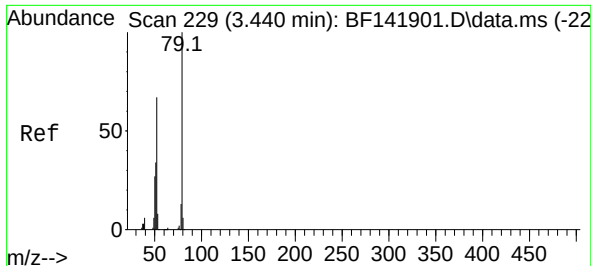
Tgt Ion:152 Resp: 214737
Ion Ratio Lower Upper
152 100
150 164.7 127.4 191.2
115 64.2 51.9 77.9



#2
1,4-Dioxane
Concen: 80.831 ng
RT: 2.669 min Scan# 98
Delta R.T. -0.006 min
Lab File: BF141904.D
Acq: 10 Mar 2025 14:27

Tgt Ion: 88 Resp: 436007
Ion Ratio Lower Upper
88 100
58 70.3 57.4 86.2
43 27.6 21.5 32.3

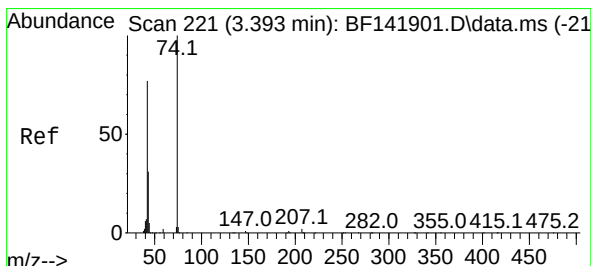
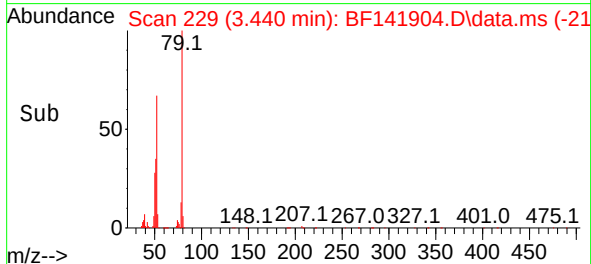
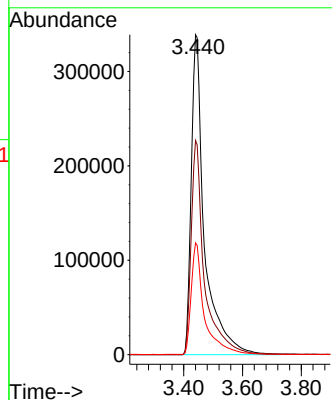
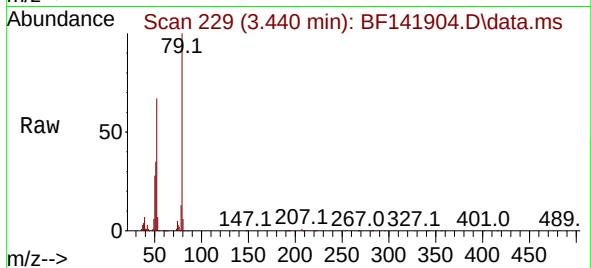




#3
Pyridine
Concen: 79.923 ng
RT: 3.440 min Scan# 21
Delta R.T. 0.000 min
Lab File: BF141904.D
Acq: 10 Mar 2025 14:27

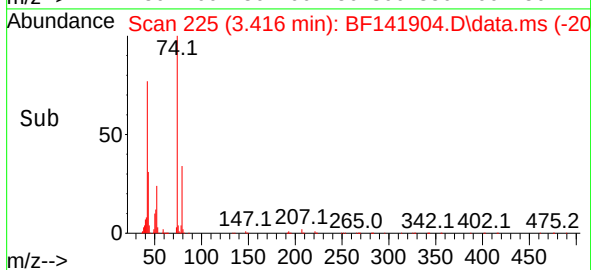
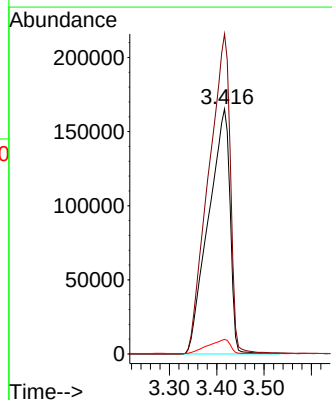
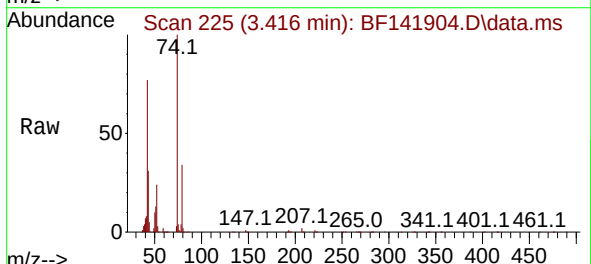
Instrument :
BNA_F
ClientSampleId :
SSTDICC080

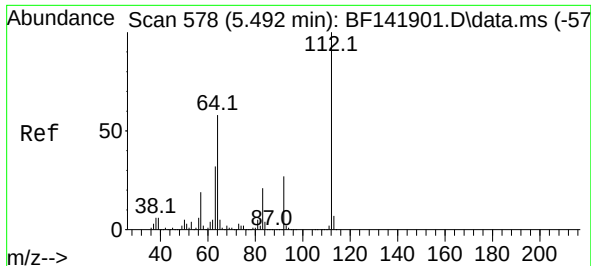
Tgt Ion: 79 Resp: 1059473
Ion Ratio Lower Upper
79 100
52 66.9 53.3 79.9
51 35.0 27.6 41.4



#4
n-Nitrosodimethylamine
Concen: 82.752 ng
RT: 3.416 min Scan# 225
Delta R.T. 0.024 min
Lab File: BF141904.D
Acq: 10 Mar 2025 14:27

Tgt Ion: 42 Resp: 521442
Ion Ratio Lower Upper
42 100
74 130.6 103.4 155.0
44 6.0 5.0 7.4

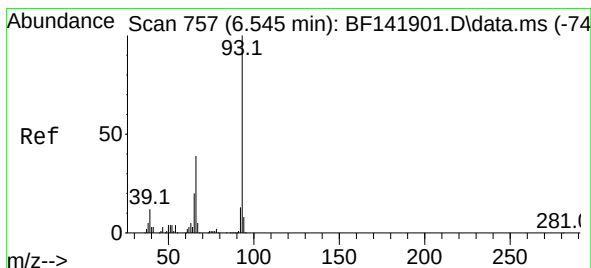
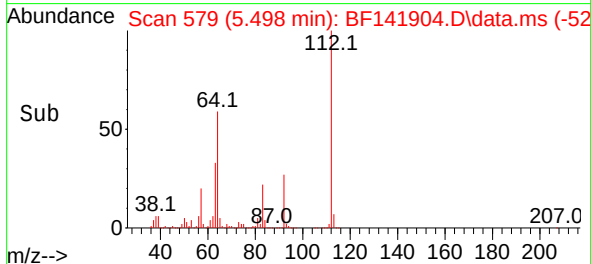
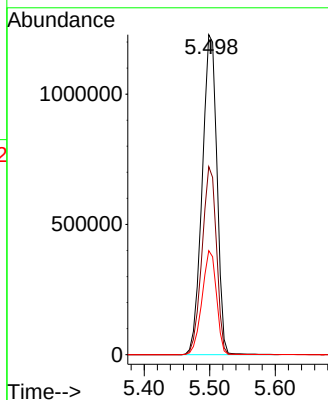
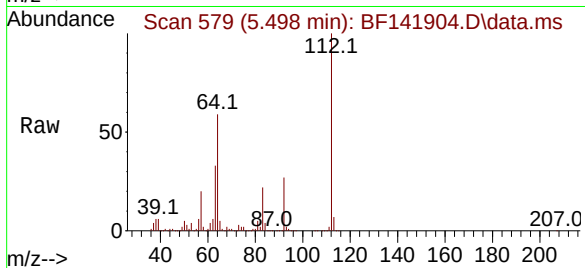




#5
2-Fluorophenol
Concen: 149.991 ng
RT: 5.498 min Scan# 51
Delta R.T. 0.006 min
Lab File: BF141904.D
Acq: 10 Mar 2025 14:27

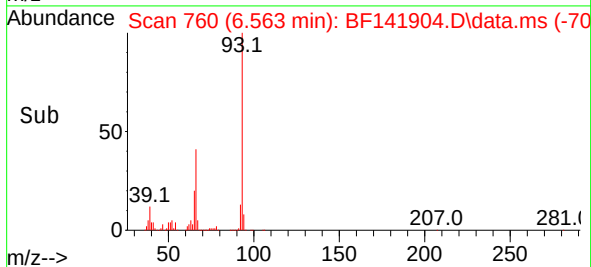
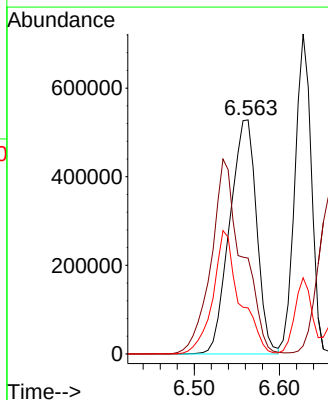
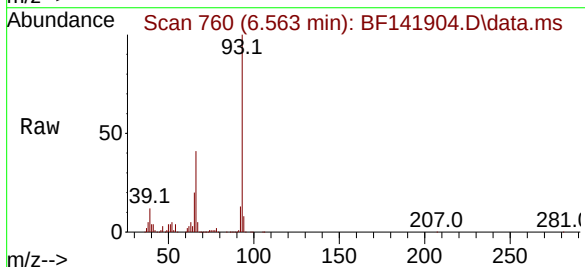
Instrument :
BNA_F
ClientSampleId :
SSTDICC080

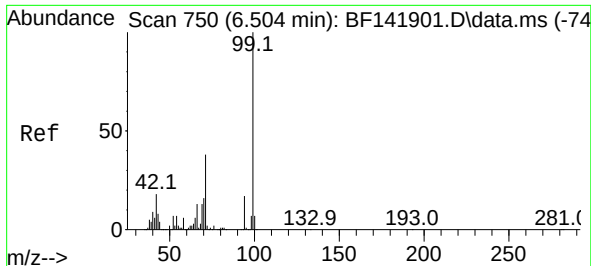
Tgt Ion:112 Resp: 1930406
Ion Ratio Lower Upper
112 100
64 58.7 46.5 69.7
63 32.5 25.4 38.2



#6
Aniline
Concen: 71.712 ng
RT: 6.563 min Scan# 760
Delta R.T. 0.018 min
Lab File: BF141904.D
Acq: 10 Mar 2025 14:27

Tgt Ion: 93 Resp: 1160437
Ion Ratio Lower Upper
93 100
66 40.9 31.9 47.9
65 19.7 15.8 23.6





#7

Phenol-d6

Concen: 149.235 ng

RT: 6.522 min Scan# 753

Delta R.T. 0.018 min

Lab File: BF141904.D

Acq: 10 Mar 2025 14:27

Instrument :

BNA_F

ClientSampleId :

SSTDICC080

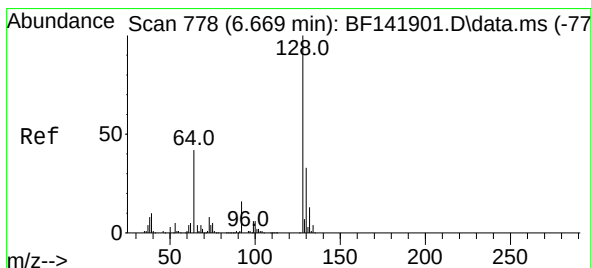
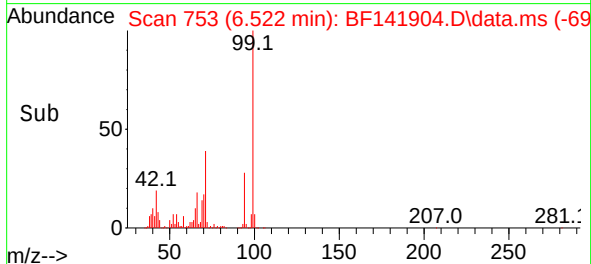
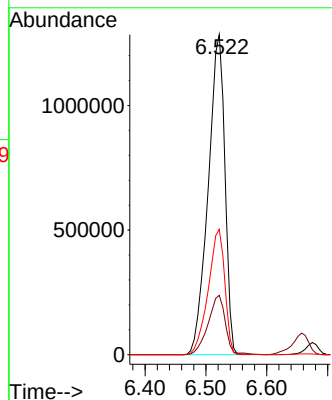
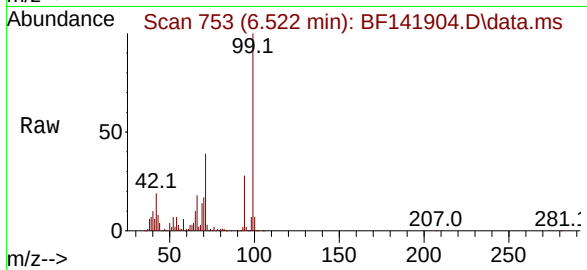
Tgt Ion: 99 Resp: 2446183

Ion Ratio Lower Upper

99 100

42 18.5 14.6 21.8

71 39.2 30.8 46.2



#8

2-Chlorophenol

Concen: 75.616 ng

RT: 6.675 min Scan# 779

Delta R.T. 0.006 min

Lab File: BF141904.D

Acq: 10 Mar 2025 14:27

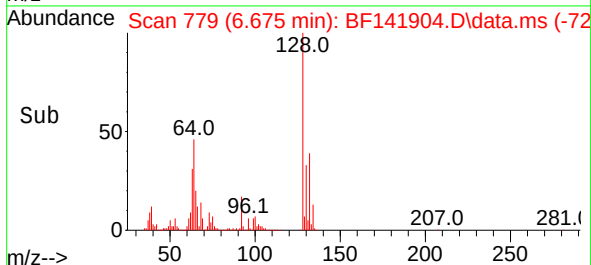
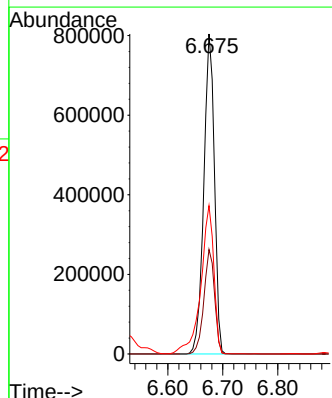
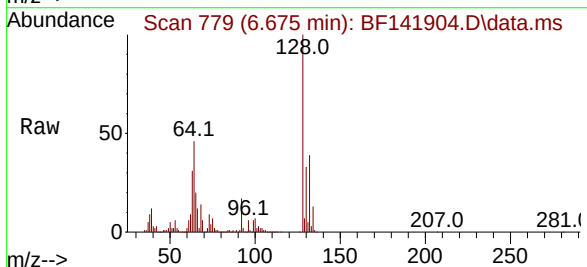
Tgt Ion:128 Resp: 1078659

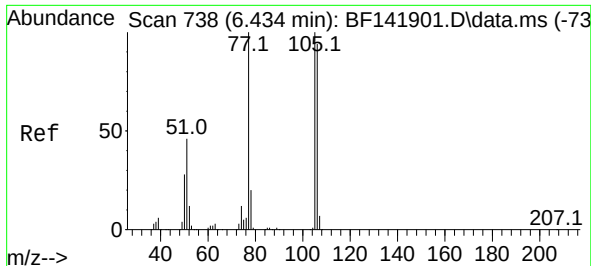
Ion Ratio Lower Upper

128 100

130 32.7 12.8 52.8

64 46.4 24.4 64.4

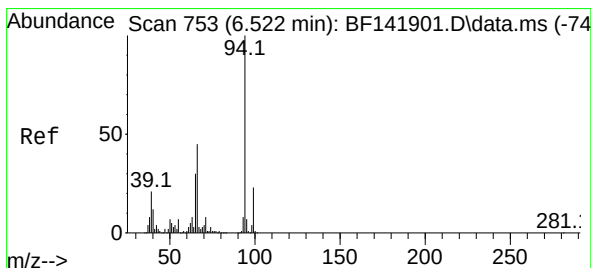
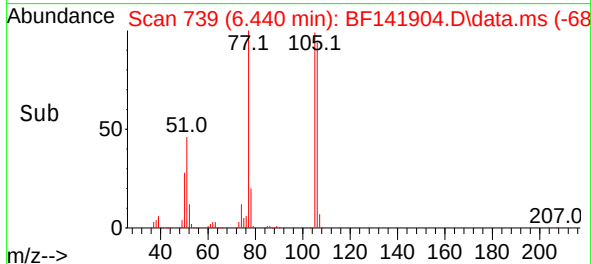
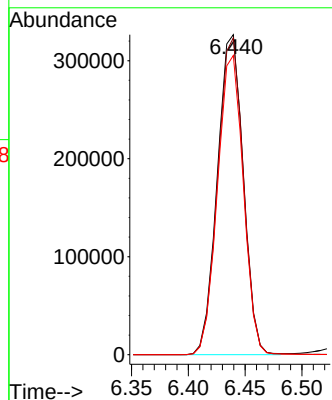
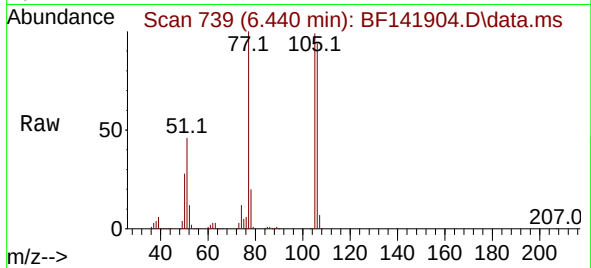




#9
Benzaldehyde
Concen: 56.359 ng
RT: 6.440 min Scan# 740
Delta R.T. 0.006 min
Lab File: BF141904.D
Acq: 10 Mar 2025 14:27

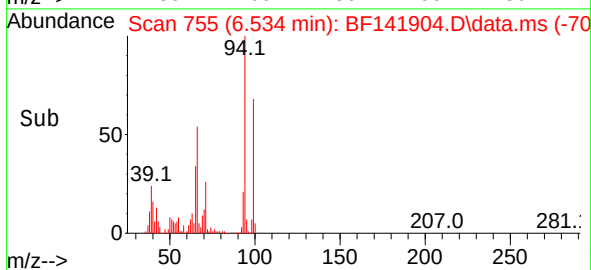
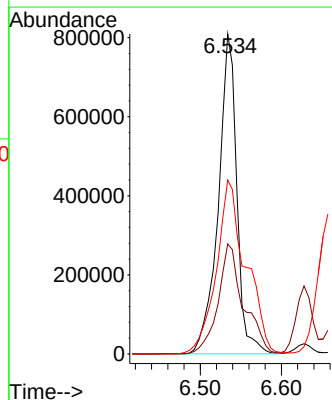
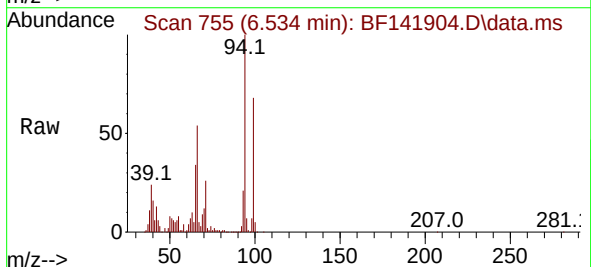
Instrument :
BNA_F
ClientSampleId :
SSTDICC080

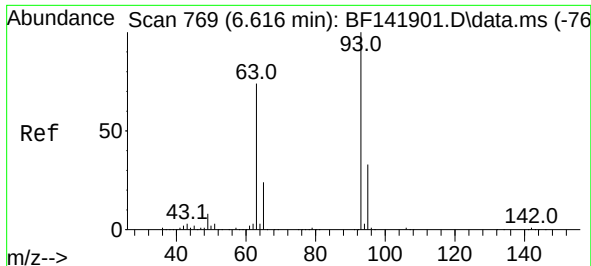
Tgt Ion: 77 Resp: 516360
Ion Ratio Lower Upper
77 100
105 99.0 80.0 120.0
106 93.5 74.5 114.5



#10
Phenol
Concen: 74.308 ng
RT: 6.534 min Scan# 755
Delta R.T. 0.012 min
Lab File: BF141904.D
Acq: 10 Mar 2025 14:27

Tgt Ion: 94 Resp: 1285145
Ion Ratio Lower Upper
94 100
65 34.4 10.5 50.5
66 54.3 25.8 65.8





#11

bis(2-Chloroethyl)ether

Concen: 74.725 ng

RT: 6.628 min Scan# 771

Delta R.T. 0.012 min

Lab File: BF141904.D

Acq: 10 Mar 2025 14:27

Instrument :

BNA_F

ClientSampleId :

SSTDICC080

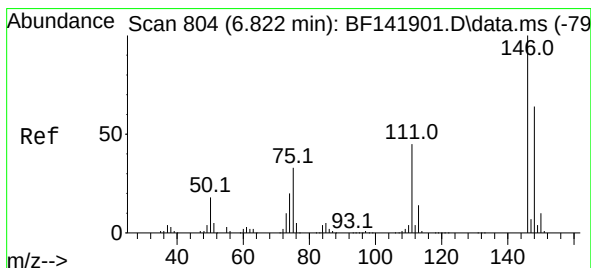
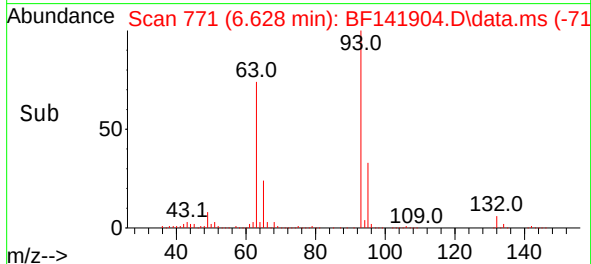
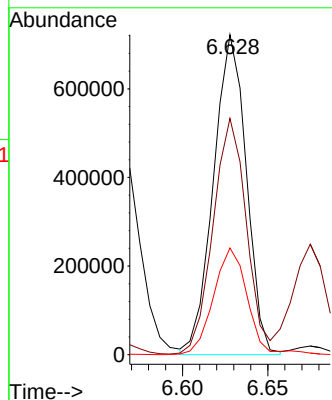
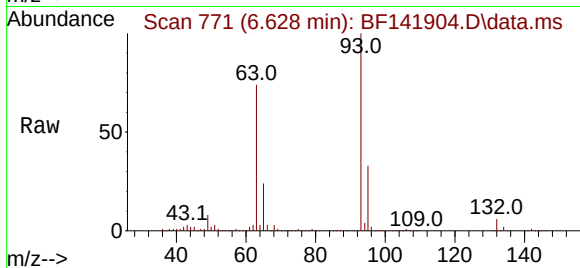
Tgt Ion: 93 Resp: 968280

Ion Ratio Lower Upper

93 100

63 73.9 53.0 93.0

95 33.4 12.9 52.9



#12

1,3-Dichlorobenzene

Concen: 76.153 ng

RT: 6.828 min Scan# 805

Delta R.T. 0.006 min

Lab File: BF141904.D

Acq: 10 Mar 2025 14:27

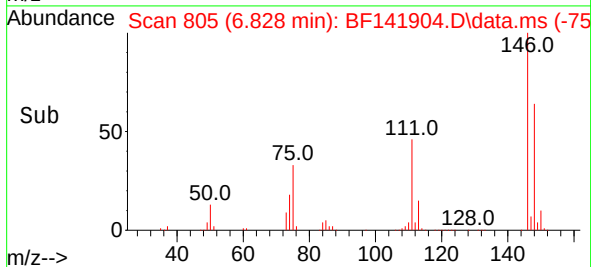
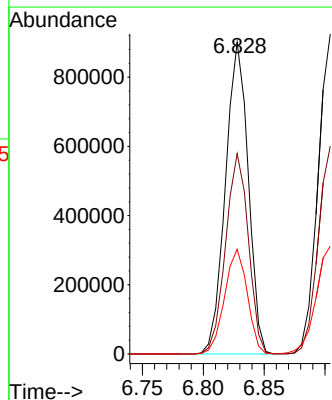
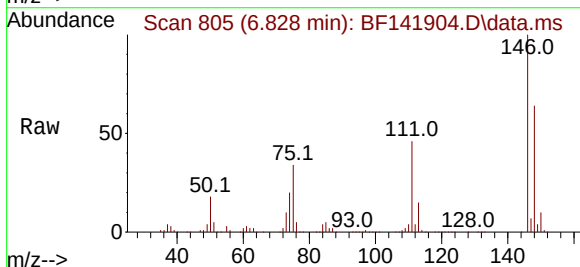
Tgt Ion:146 Resp: 1173924

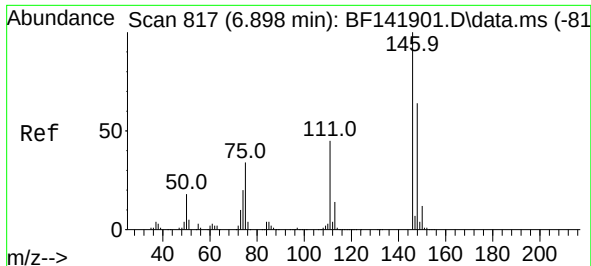
Ion Ratio Lower Upper

146 100

148 64.2 51.3 76.9

75 33.6 26.6 40.0

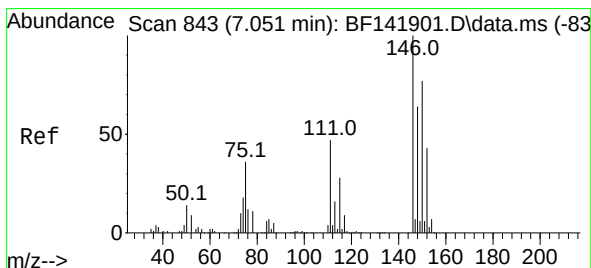
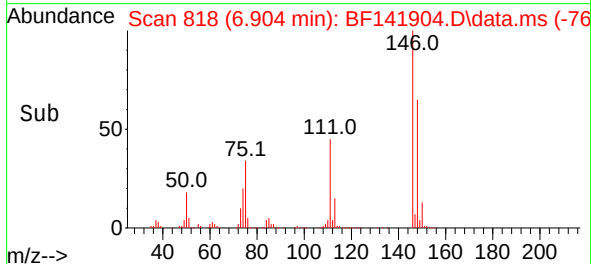
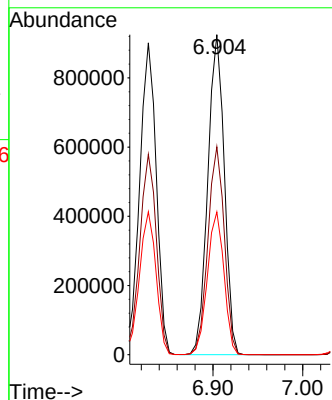
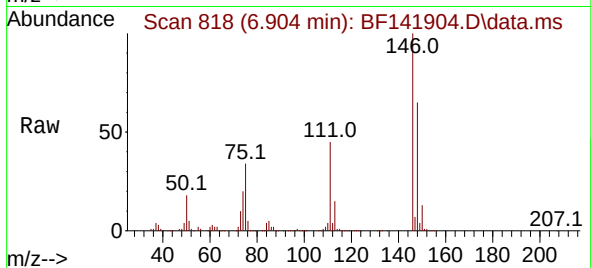




#13
1,4-Dichlorobenzene
Concen: 75.784 ng
RT: 6.904 min Scan# 817
Delta R.T. 0.006 min
Lab File: BF141904.D
Acq: 10 Mar 2025 14:27

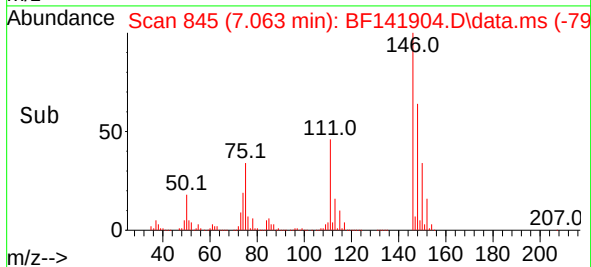
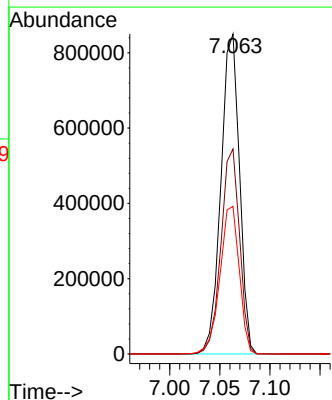
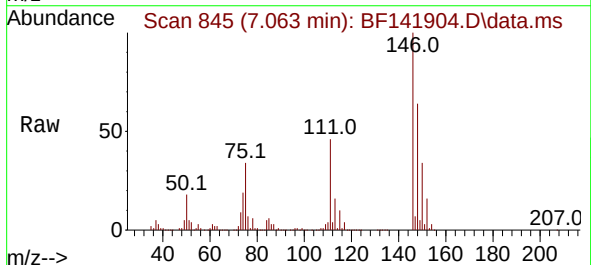
Instrument :
BNA_F
ClientSampleId :
SSTDICC080

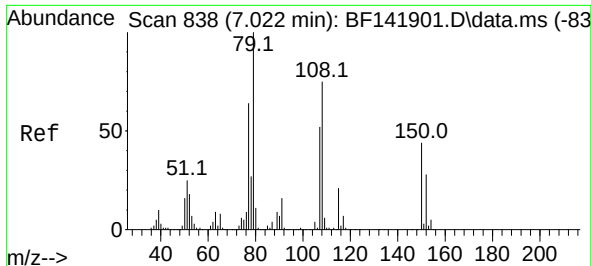
Tgt Ion:146 Resp: 1181975
Ion Ratio Lower Upper
146 100
148 64.9 51.0 76.6
111 44.6 35.7 53.5



#14
1,2-Dichlorobenzene
Concen: 74.440 ng
RT: 7.063 min Scan# 845
Delta R.T. 0.012 min
Lab File: BF141904.D
Acq: 10 Mar 2025 14:27

Tgt Ion:146 Resp: 1093316
Ion Ratio Lower Upper
146 100
148 64.1 50.8 76.2
111 46.1 38.0 57.0





#15

Benzyl Alcohol

Concen: 76.376 ng

RT: 7.034 min Scan# 840

Delta R.T. 0.012 min

Lab File: BF141904.D

Acq: 10 Mar 2025 14:27

Instrument :

BNA_F

ClientSampleId :

SSTDICC080

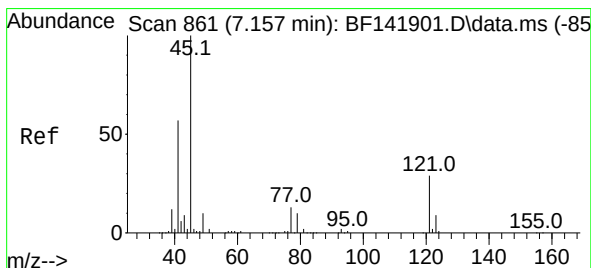
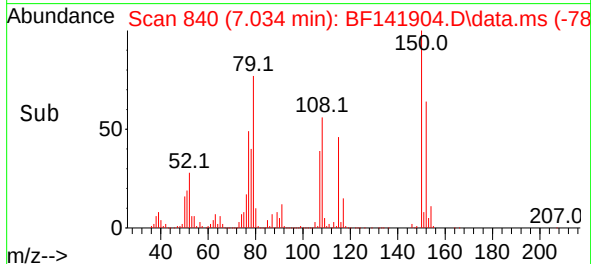
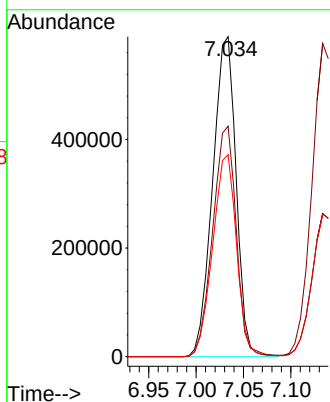
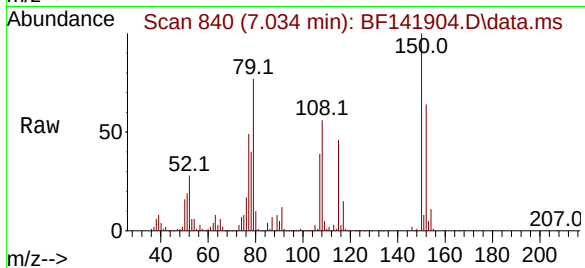
Tgt Ion: 79 Resp: 1013314

Ion Ratio Lower Upper

79 100

108 72.0 59.7 89.5

77 63.1 51.0 76.6



#16

2,2'-oxybis(1-Chloropropane)

Concen: 72.198 ng

RT: 7.163 min Scan# 862

Delta R.T. 0.006 min

Lab File: BF141904.D

Acq: 10 Mar 2025 14:27

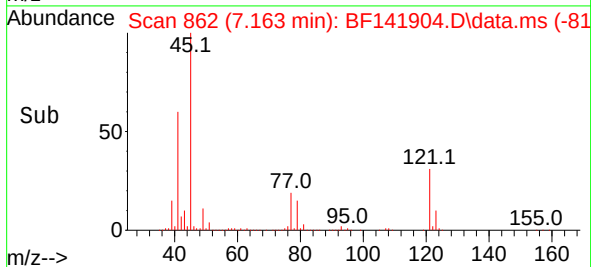
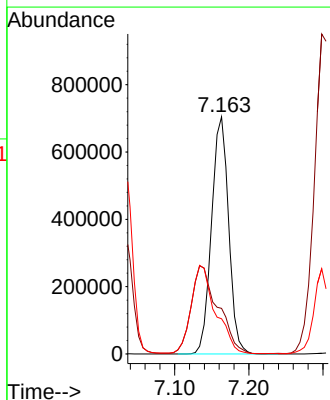
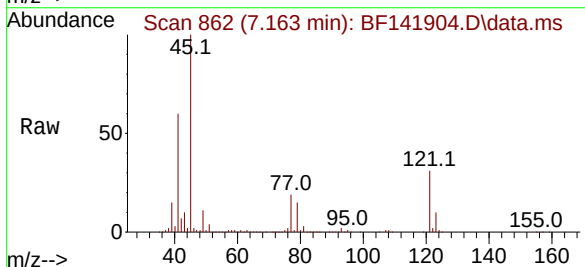
Tgt Ion: 45 Resp: 1127534

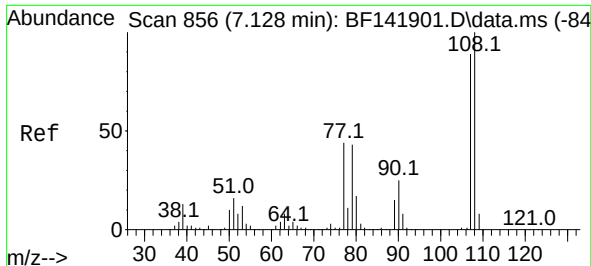
Ion Ratio Lower Upper

45 100

77 19.3 0.0 37.8

79 14.8 0.0 34.2





#17
2-Methylphenol
Concen: 77.326 ng
RT: 7.134 min Scan# 856
Delta R.T. 0.006 min
Lab File: BF141904.D
Acq: 10 Mar 2025 14:27

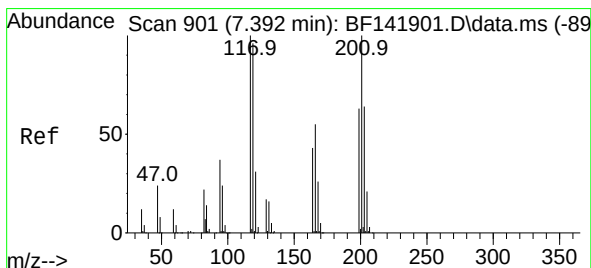
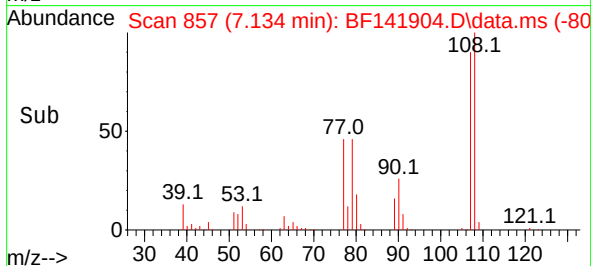
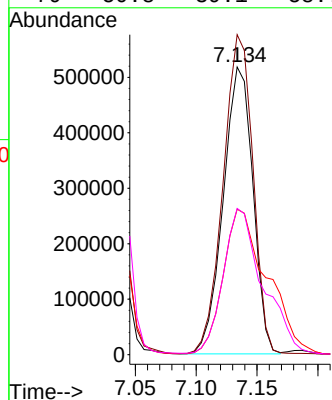
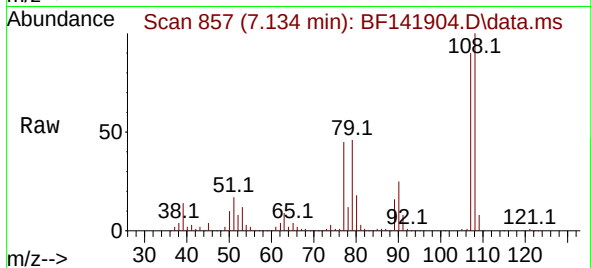
Instrument :

BNA_F

ClientSampleId :

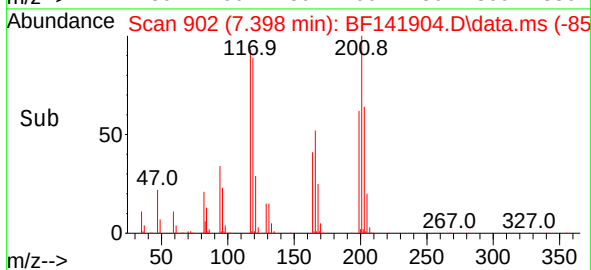
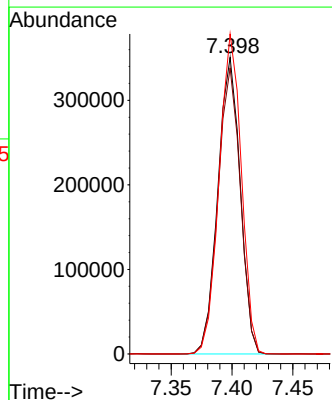
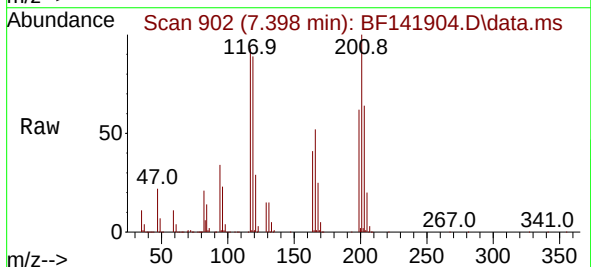
SSTDICC080

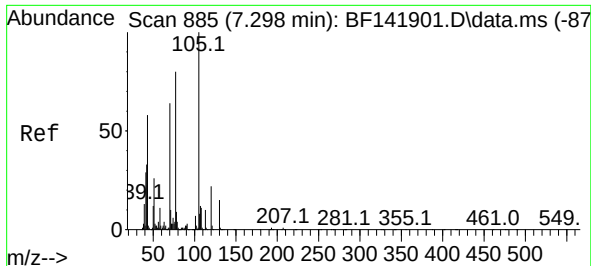
Tgt Ion:107 Resp: 876665
Ion Ratio Lower Upper
107 100
108 111.3 90.2 135.2
77 50.5 39.6 59.4
79 50.8 39.1 58.7



#18
Hexachloroethane
Concen: 76.745 ng
RT: 7.398 min Scan# 902
Delta R.T. 0.006 min
Lab File: BF141904.D
Acq: 10 Mar 2025 14:27

Tgt Ion:117 Resp: 448765
Ion Ratio Lower Upper
117 100
119 96.4 76.9 115.3
201 107.9 79.9 119.9

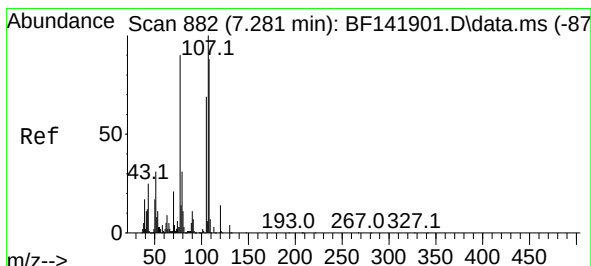
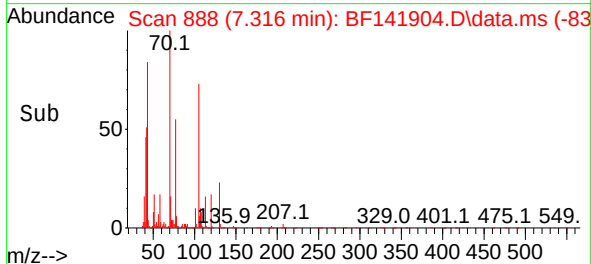
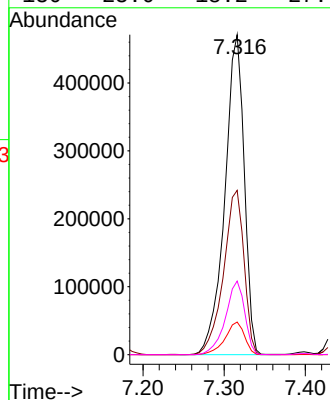
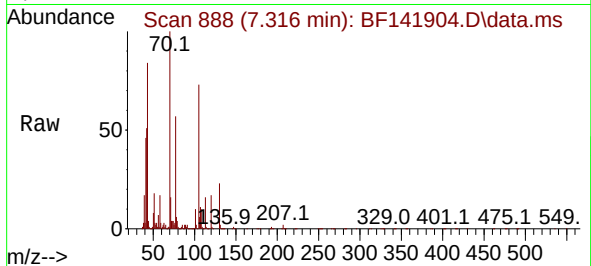




#19
n-Nitroso-di-n-propylamine
Concen: 74.351 ng
RT: 7.316 min Scan# 888
Delta R.T. 0.018 min
Lab File: BF141904.D
Acq: 10 Mar 2025 14:27

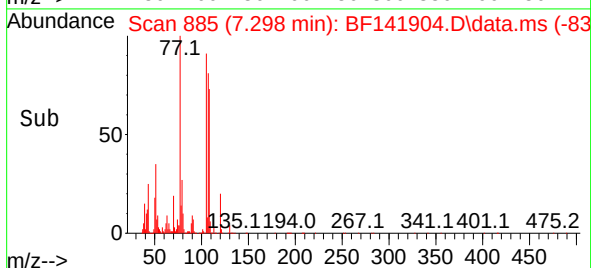
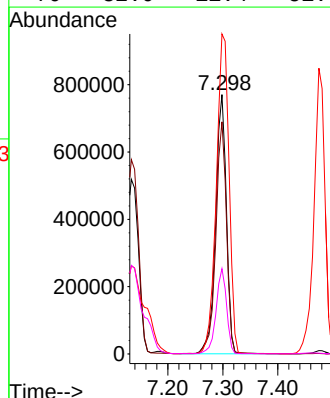
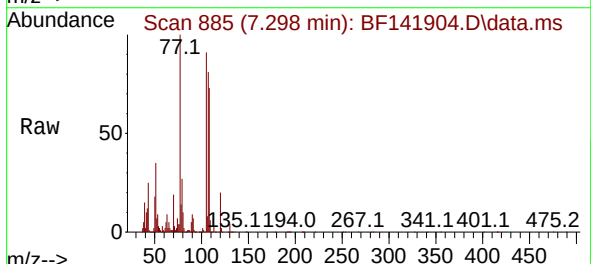
Instrument :
BNA_F
ClientSampleId :
SSTDICC080

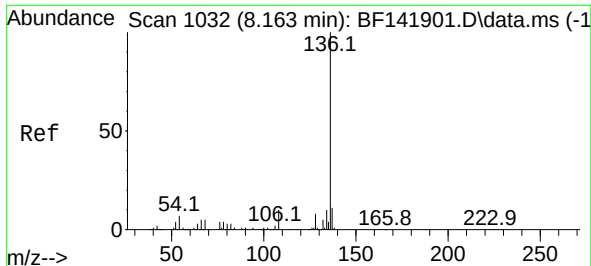
Tgt Ion: 70 Resp: 783318
Ion Ratio Lower Upper
70 100
42 51.4 41.4 62.0
101 10.2 8.2 12.2
130 23.0 18.2 27.4



#20
3+4-Methylphenols
Concen: 72.219 ng
RT: 7.298 min Scan# 885
Delta R.T. 0.018 min
Lab File: BF141904.D
Acq: 10 Mar 2025 14:27

Tgt Ion:107 Resp: 1050191
Ion Ratio Lower Upper
107 100
108 89.5 68.4 108.4
77 123.4 69.7 109.7#
79 32.9 11.4 51.4



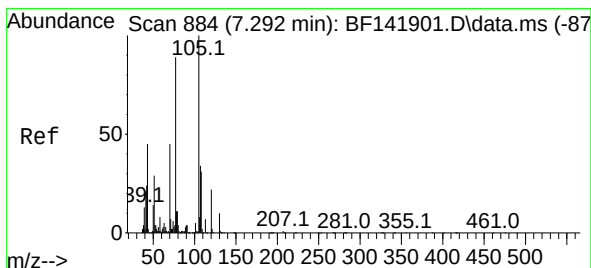
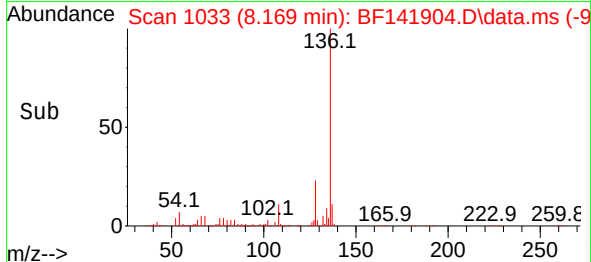
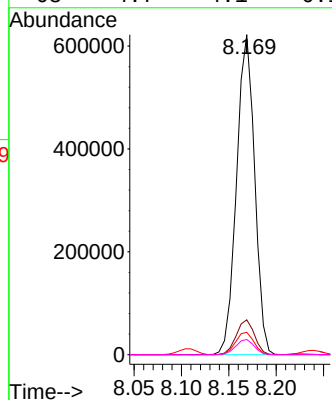
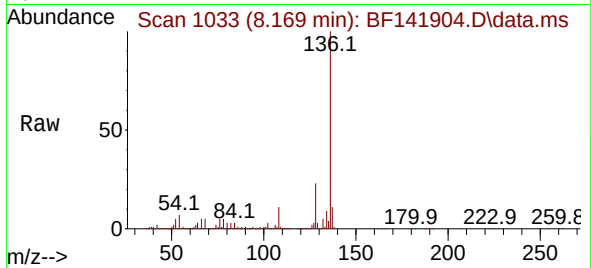


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.169 min Scan# 1032
Delta R.T. 0.006 min
Lab File: BF141904.D
Acq: 10 Mar 2025 14:27

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:136 Resp: 826030

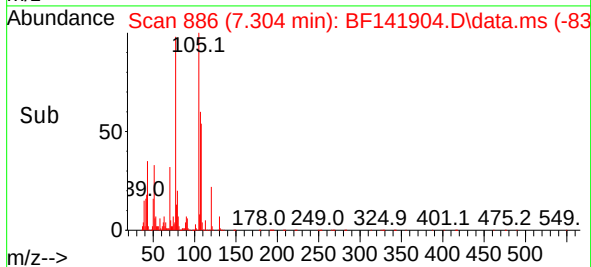
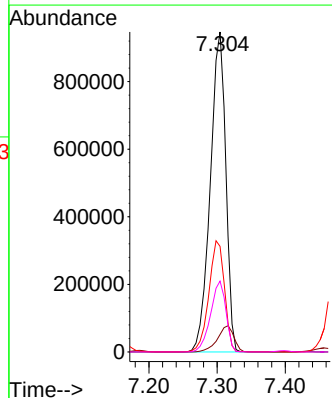
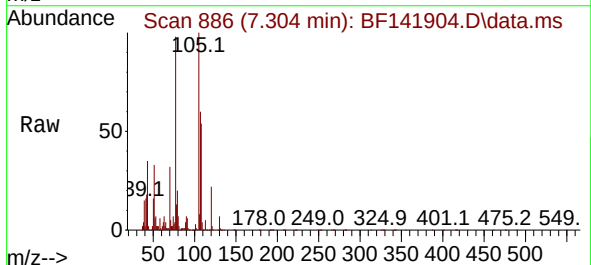
Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.8	13.2
54	7.0	5.8	8.8
68	4.7	4.1	6.1

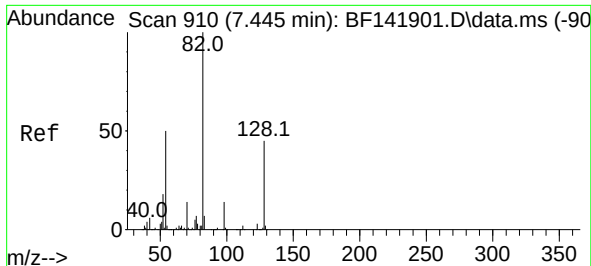


#22
Acetophenone
Concen: 75.498 ng
RT: 7.304 min Scan# 886
Delta R.T. 0.012 min
Lab File: BF141904.D
Acq: 10 Mar 2025 14:27

Tgt Ion:105 Resp: 1496035

Ion	Ratio	Lower	Upper
105	100		
71	5.4	5.8	8.8#
51	33.0	23.4	35.0
120	22.2	17.3	25.9





#23

Nitrobenzene-d5

Concen: 158.463 ng

RT: 7.457 min Scan# 910

Delta R.T. 0.012 min

Lab File: BF141904.D

Acq: 10 Mar 2025 14:27

Instrument :

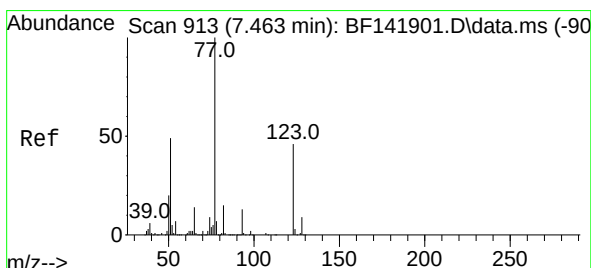
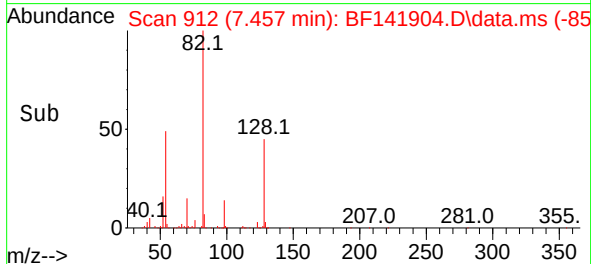
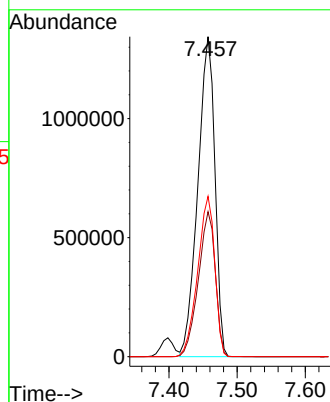
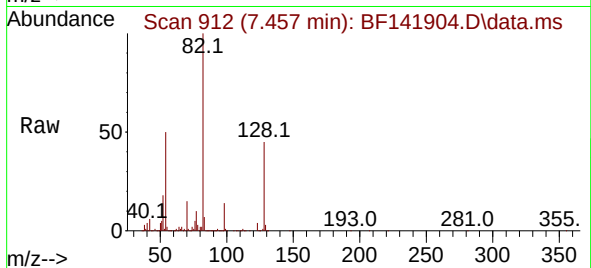
BNA_F

ClientSampleId :

SSTDICC080

Tgt Ion: 82 Resp: 2335417

Ion	Ratio	Lower	Upper
82	100		
128	45.3	36.0	54.0
54	50.1	39.6	59.4



#24

Nitrobenzene

Concen: 79.572 ng

RT: 7.475 min Scan# 915

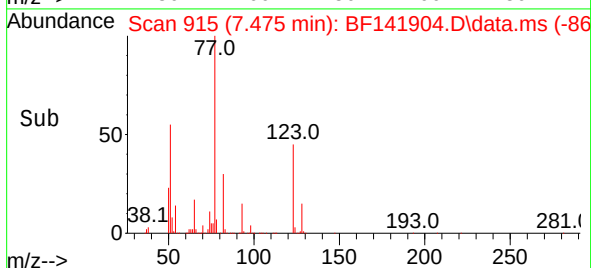
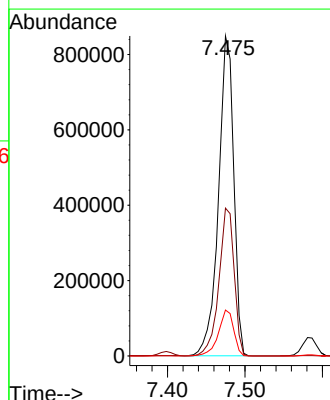
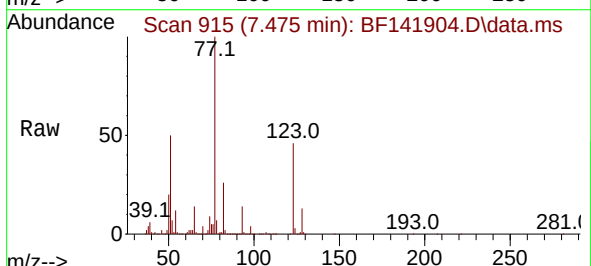
Delta R.T. 0.012 min

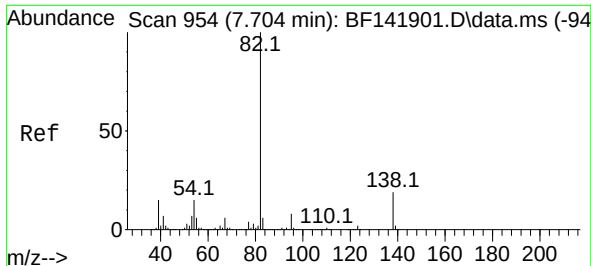
Lab File: BF141904.D

Acq: 10 Mar 2025 14:27

Tgt Ion: 77 Resp: 1162753

Ion	Ratio	Lower	Upper
77	100		
123	46.2	37.0	55.4
65	14.4	11.3	16.9

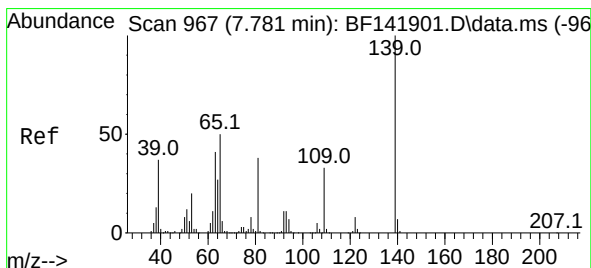
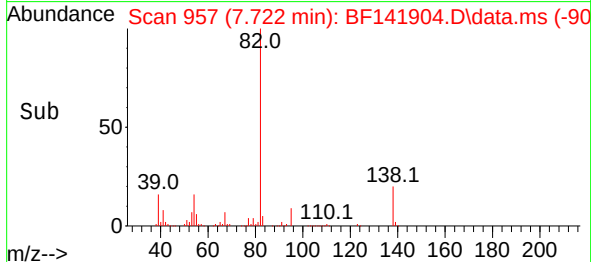
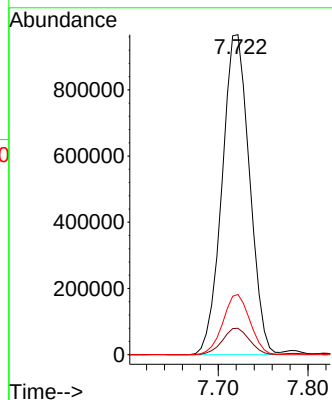
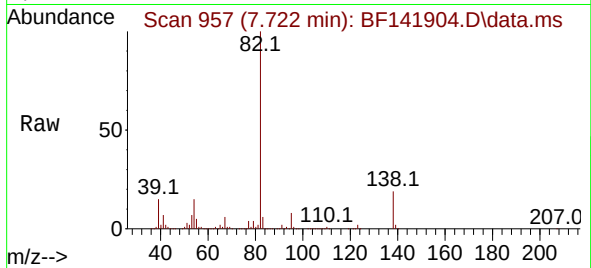




#25
Isophorone
Concen: 79.032 ng
RT: 7.722 min Scan# 90
Delta R.T. 0.018 min
Lab File: BF141904.D
Acq: 10 Mar 2025 14:27

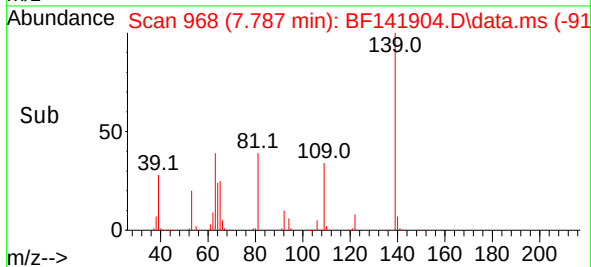
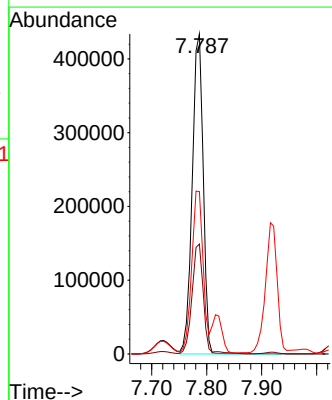
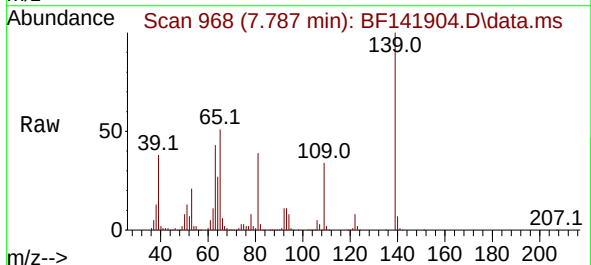
Instrument :
BNA_F
ClientSampleId :
SSTDICC080

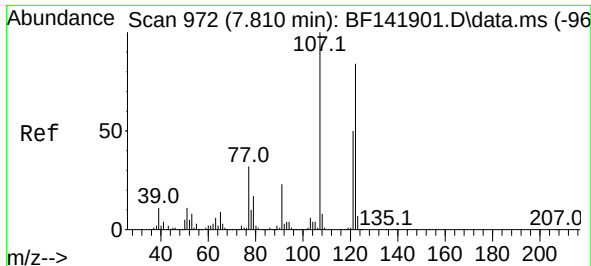
Tgt Ion: 82 Resp: 2056405
Ion Ratio Lower Upper
82 100
95 8.2 6.4 9.6
138 18.8 14.9 22.3



#26
2-Nitrophenol
Concen: 83.688 ng
RT: 7.787 min Scan# 968
Delta R.T. 0.006 min
Lab File: BF141904.D
Acq: 10 Mar 2025 14:27

Tgt Ion:139 Resp: 599261
Ion Ratio Lower Upper
139 100
109 34.4 26.5 39.7
65 50.8 40.3 60.5

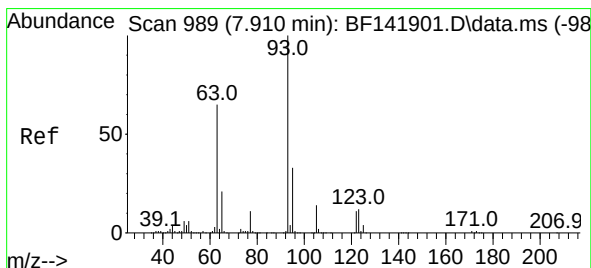
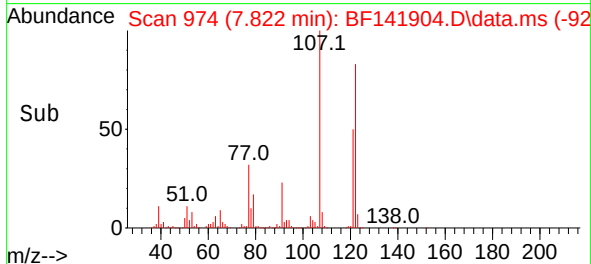
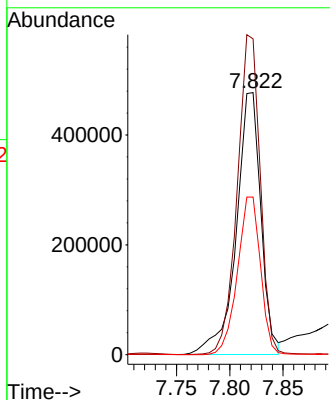
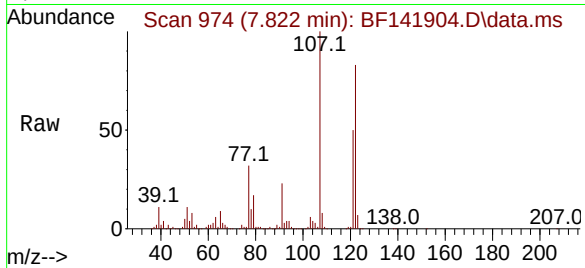




#27
2,4-Dimethylphenol
Concen: 77.821 ng
RT: 7.822 min Scan# 91
Delta R.T. 0.012 min
Lab File: BF141904.D
Acq: 10 Mar 2025 14:27

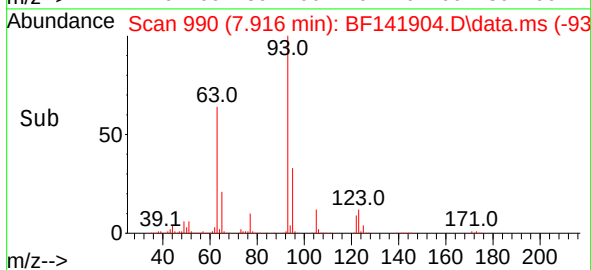
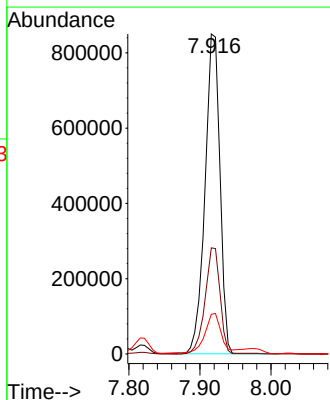
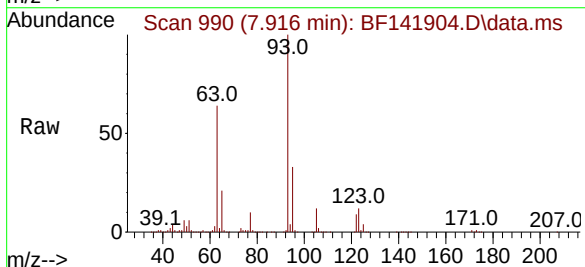
Instrument :
BNA_F
ClientSampleId :
SSTDICC080

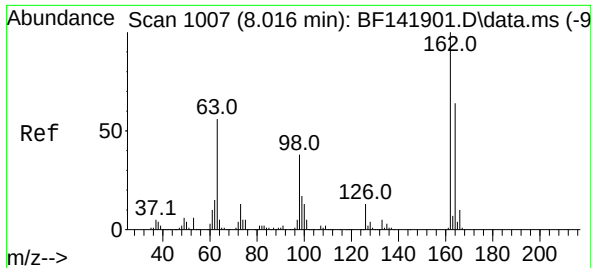
Tgt Ion:122 Resp: 767514
Ion Ratio Lower Upper
122 100
107 120.5 94.8 142.2
121 60.1 47.8 71.6



#28
bis(2-Chloroethoxy)methane
Concen: 76.598 ng
RT: 7.916 min Scan# 990
Delta R.T. 0.006 min
Lab File: BF141904.D
Acq: 10 Mar 2025 14:27

Tgt Ion: 93 Resp: 1248549
Ion Ratio Lower Upper
93 100
95 33.2 26.6 40.0
123 12.4 10.2 15.4





#29

2,4-Dichlorophenol

Concen: 79.403 ng

RT: 8.028 min Scan# 1009

Delta R.T. 0.012 min

Lab File: BF141904.D

Acq: 10 Mar 2025 14:27

Instrument :

BNA_F

ClientSampleId :

SSTDICC080

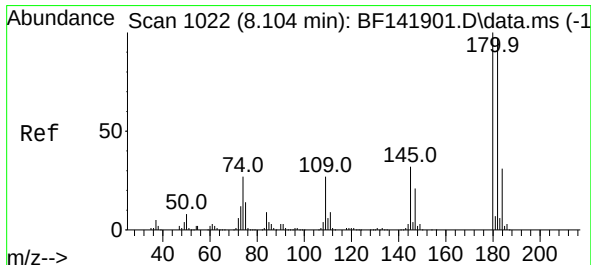
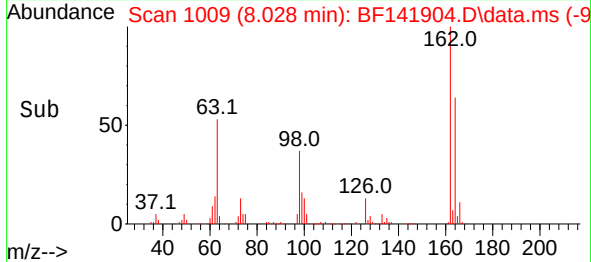
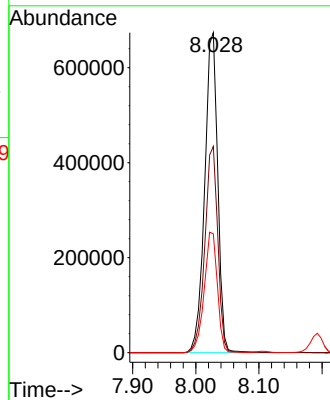
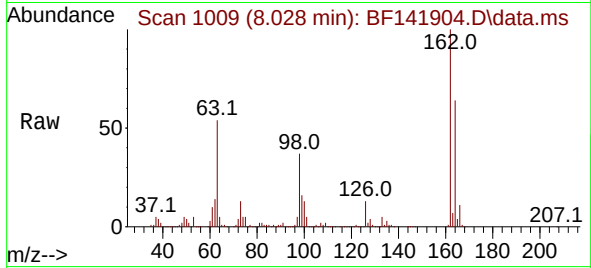
Tgt Ion:162 Resp: 971886

Ion Ratio Lower Upper

162 100

164 64.4 43.8 83.8

98 37.1 18.1 58.1



#30

1,2,4-Trichlorobenzene

Concen: 78.705 ng

RT: 8.110 min Scan# 1023

Delta R.T. 0.006 min

Lab File: BF141904.D

Acq: 10 Mar 2025 14:27

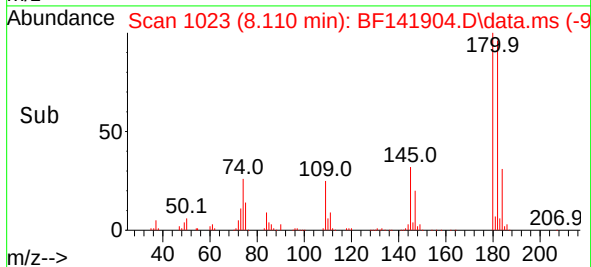
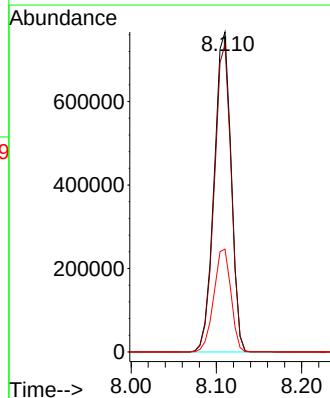
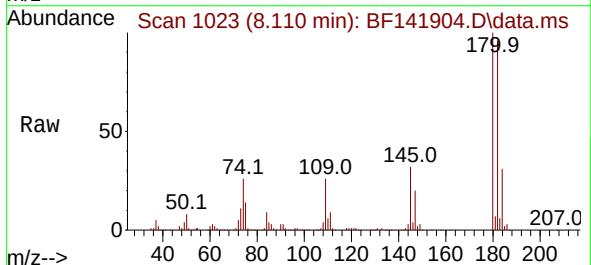
Tgt Ion:180 Resp: 1062793

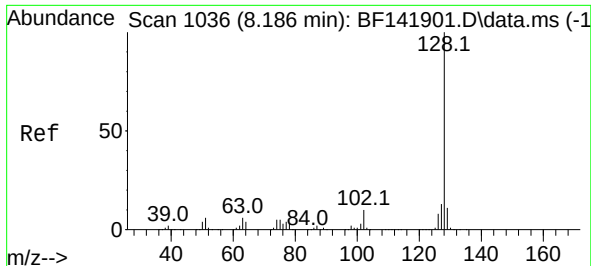
Ion Ratio Lower Upper

180 100

182 96.1 77.5 116.3

145 32.2 25.8 38.6

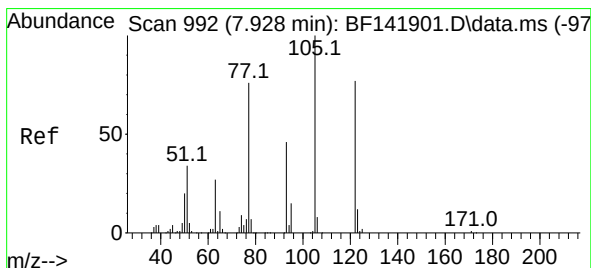
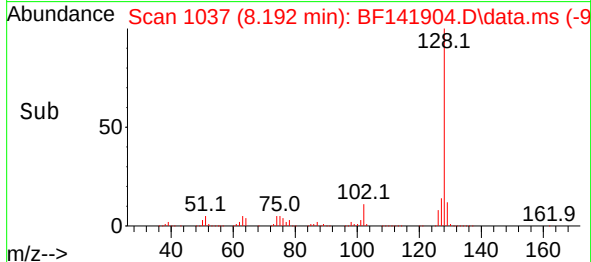
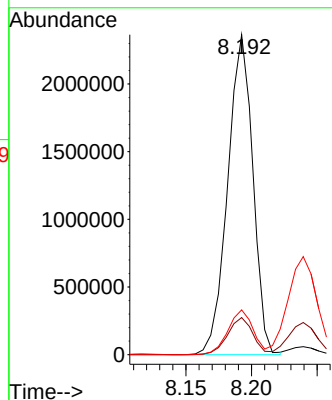
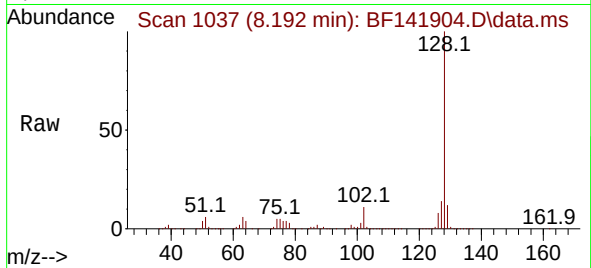




#31
Naphthalene
Concen: 74.497 ng
RT: 8.192 min Scan# 1036
Delta R.T. 0.006 min
Lab File: BF141904.D
Acq: 10 Mar 2025 14:27

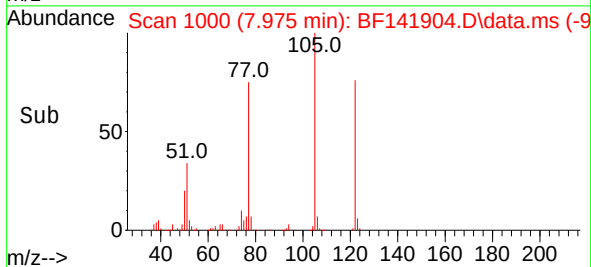
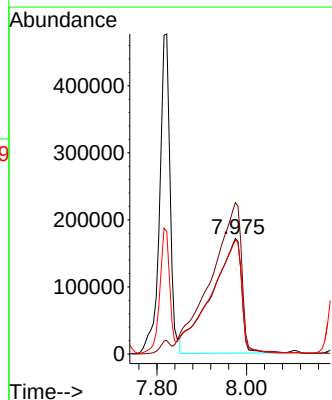
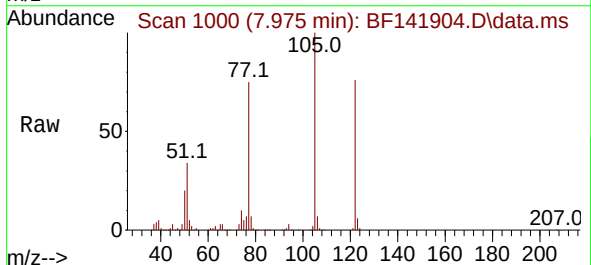
Instrument :
BNA_F
ClientSampleId :
SSTDICC080

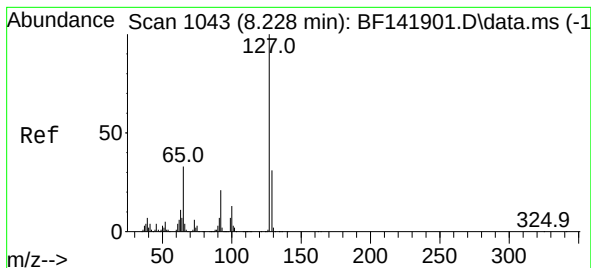
Tgt Ion:128 Resp: 3152444
Ion Ratio Lower Upper
128 100
129 11.6 9.0 13.6
127 14.0 10.8 16.2



#32
Benzoic acid
Concen: 92.323 ng
RT: 7.975 min Scan# 1000
Delta R.T. 0.047 min
Lab File: BF141904.D
Acq: 10 Mar 2025 14:27

Tgt Ion:122 Resp: 795850
Ion Ratio Lower Upper
122 100
105 131.3 107.9 147.9
77 98.9 79.0 119.0





#33

4-Chloroaniline

Concen: 72.896 ng

RT: 8.239 min Scan# 1045

Delta R.T. 0.012 min

Lab File: BF141904.D

Acq: 10 Mar 2025 14:27

Instrument :

BNA_F

ClientSampleId :

SSTDICC080

Tgt Ion:127 Resp: 1088546

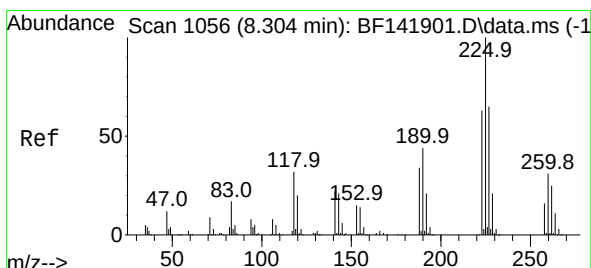
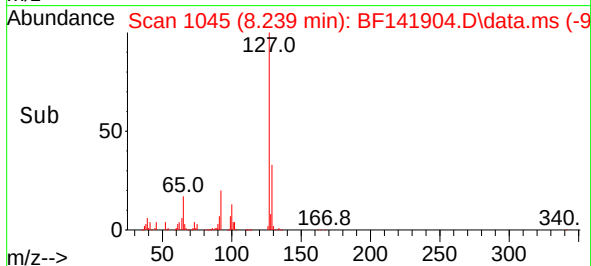
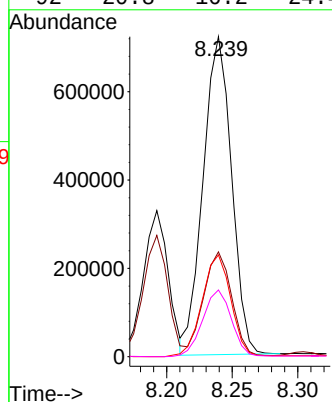
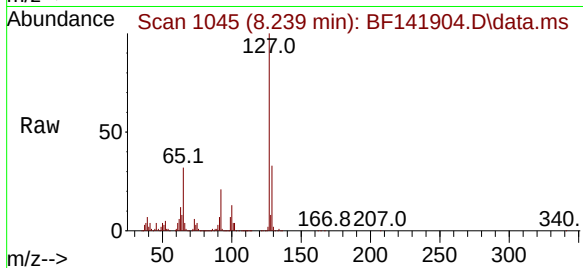
Ion Ratio Lower Upper

127 100

129 32.8 26.2 39.4

65 31.8 25.4 38.2

92 20.8 16.2 24.4



#34

Hexachlorobutadiene

Concen: 81.299 ng

RT: 8.304 min Scan# 1056

Delta R.T. 0.000 min

Lab File: BF141904.D

Acq: 10 Mar 2025 14:27

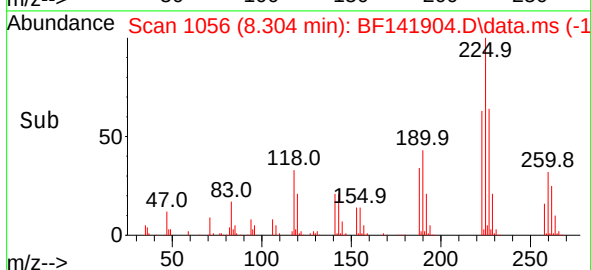
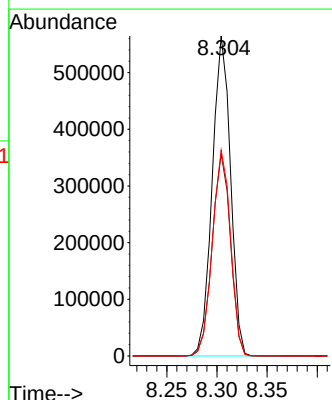
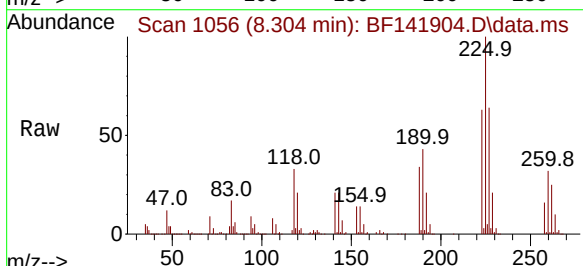
Tgt Ion:225 Resp: 713827

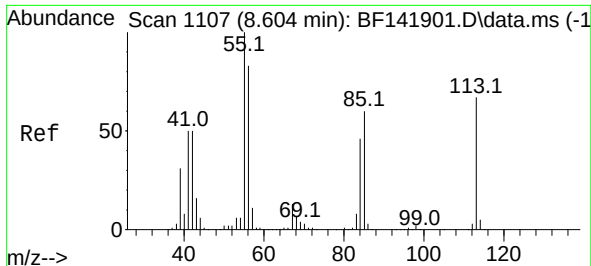
Ion Ratio Lower Upper

225 100

223 63.1 50.6 75.8

227 64.3 52.2 78.2





#35

Caprolactam

Concen: 59.762 ng

RT: 8.639 min Scan# 1113

Delta R.T. 0.035 min

Lab File: BF141904.D

Acq: 10 Mar 2025 14:27

Instrument :

BNA_F

ClientSampleId :

SSTDICC080

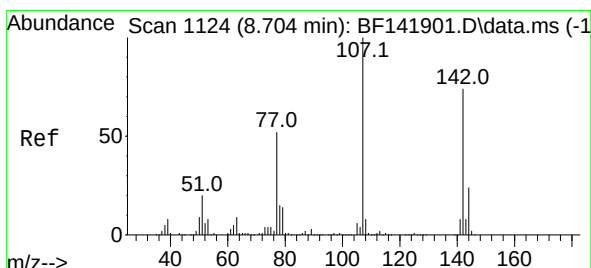
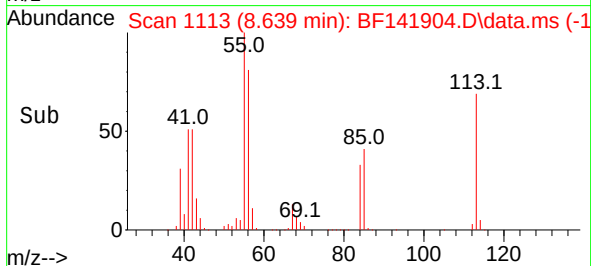
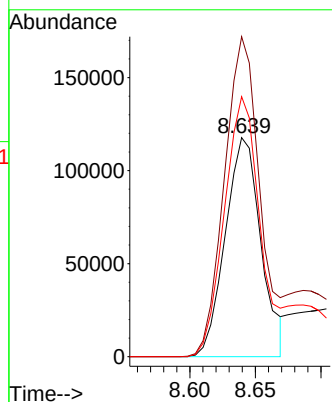
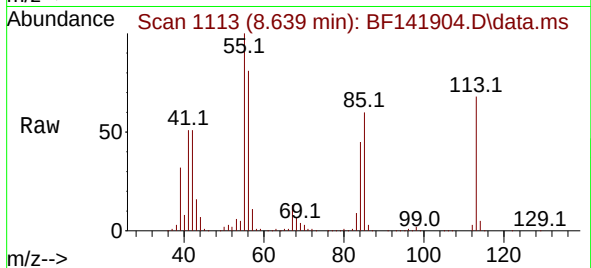
Tgt Ion:113 Resp: 222427

Ion Ratio Lower Upper

113 100

55 146.1 129.6 169.6

56 118.7 104.0 144.0



#36

4-Chloro-3-methylphenol

Concen: 77.644 ng

RT: 8.716 min Scan# 1126

Delta R.T. 0.012 min

Lab File: BF141904.D

Acq: 10 Mar 2025 14:27

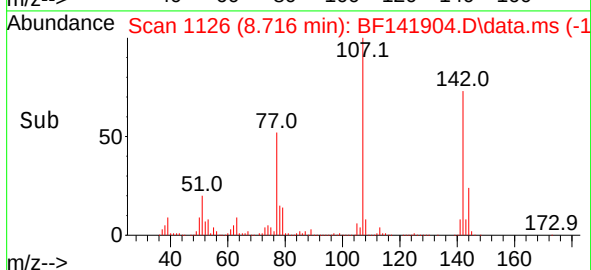
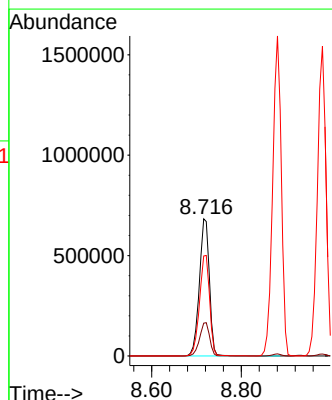
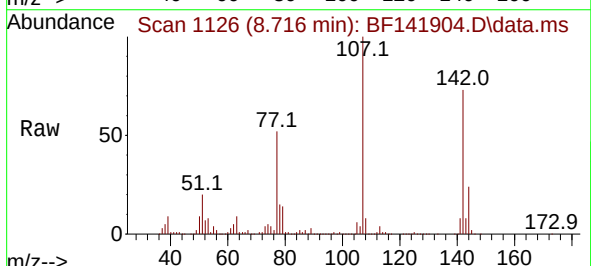
Tgt Ion:107 Resp: 1056917

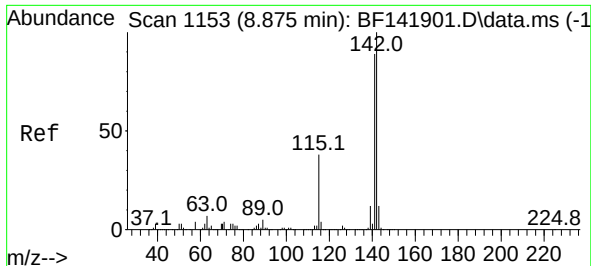
Ion Ratio Lower Upper

107 100

144 24.0 19.0 28.6

142 72.9 59.2 88.8





#37

2-Methylnaphthalene

Concen: 75.023 ng

RT: 8.881 min Scan# 1154

Delta R.T. 0.006 min

Lab File: BF141904.D

Acq: 10 Mar 2025 14:27

Instrument :

BNA_F

ClientSampleId :

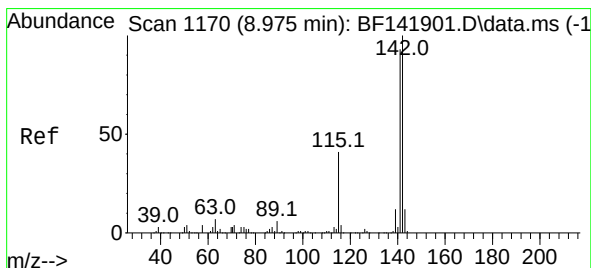
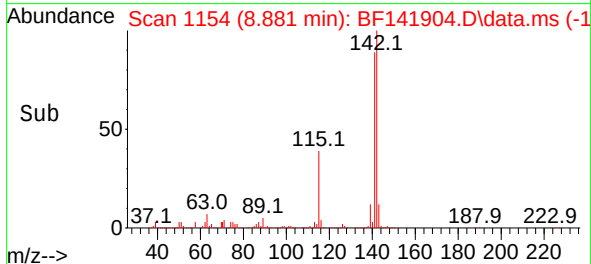
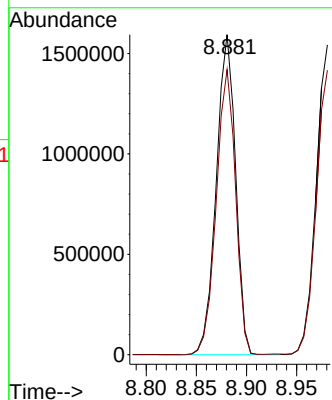
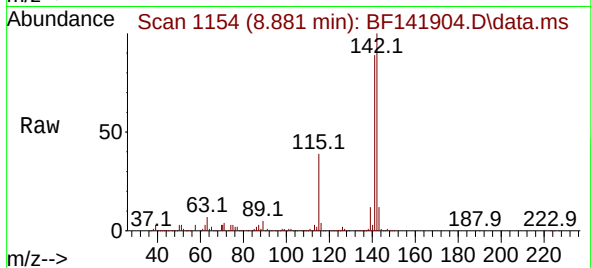
SSTDICC080

Tgt Ion:142 Resp: 2129990

Ion Ratio Lower Upper

142 100

141 89.1 71.2 106.8



#38

1-Methylnaphthalene

Concen: 74.568 ng

RT: 8.981 min Scan# 1171

Delta R.T. 0.006 min

Lab File: BF141904.D

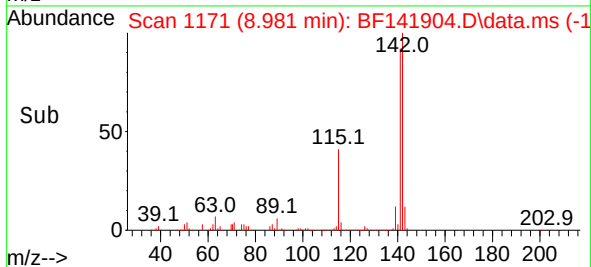
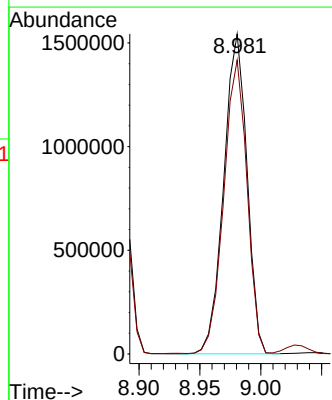
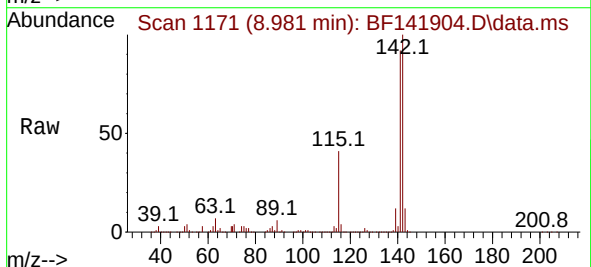
Acq: 10 Mar 2025 14:27

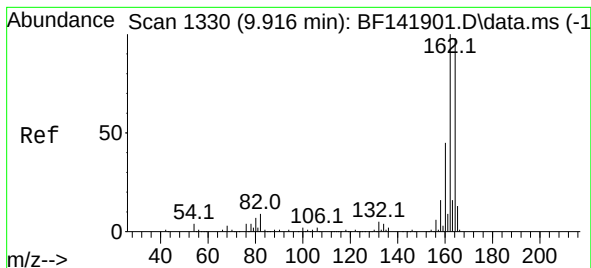
Tgt Ion:142 Resp: 2050191

Ion Ratio Lower Upper

142 100

141 91.8 74.2 111.4





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.922 min Scan# 11

Delta R.T. 0.006 min

Lab File: BF141904.D

Acq: 10 Mar 2025 14:27

Instrument :

BNA_F

ClientSampleId :

SSTDICC080

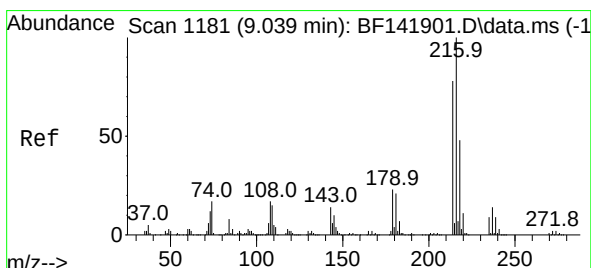
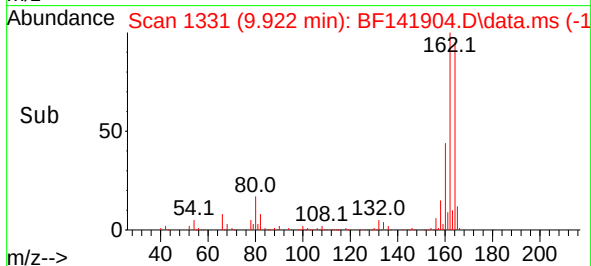
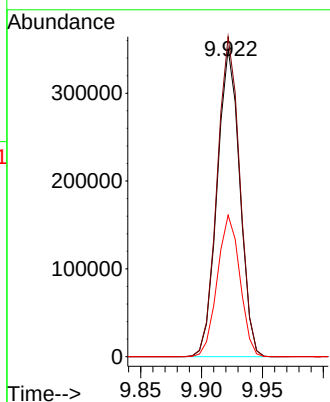
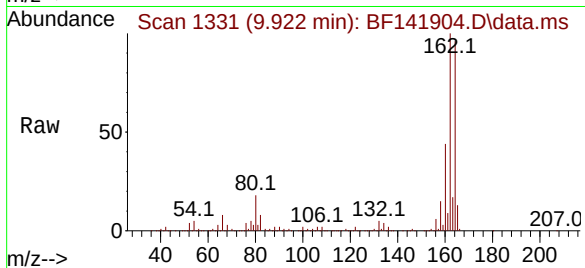
Tgt Ion:164 Resp: 452864

Ion Ratio Lower Upper

164 100

162 103.9 81.8 122.6

160 45.9 36.7 55.1



#40

1,2,4,5-Tetrachlorobenzene

Concen: 81.667 ng

RT: 9.045 min Scan# 1182

Delta R.T. 0.006 min

Lab File: BF141904.D

Acq: 10 Mar 2025 14:27

Tgt Ion:216 Resp: 1127671

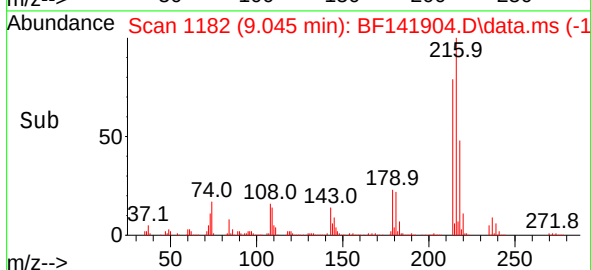
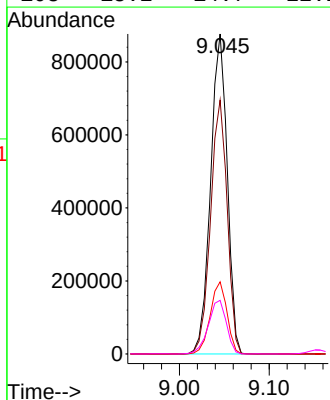
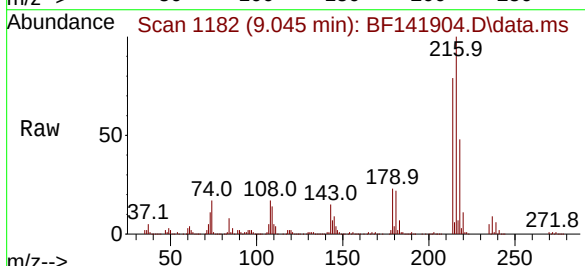
Ion Ratio Lower Upper

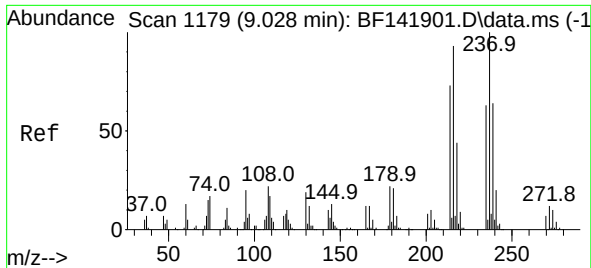
216 100

214 79.3 61.9 92.9

179 22.7 18.1 27.1

108 18.2 14.7 22.1

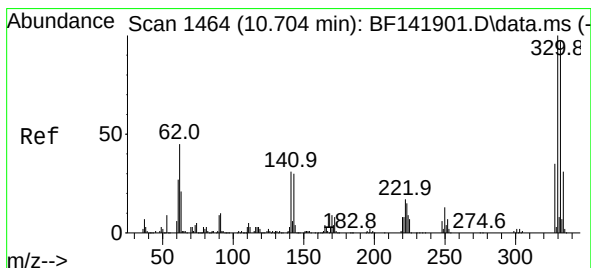
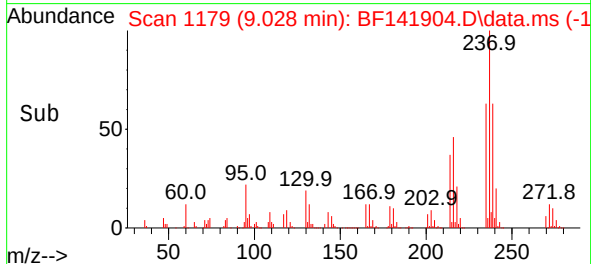
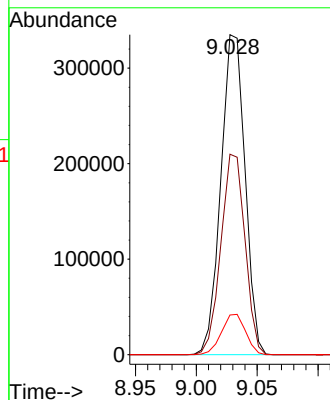
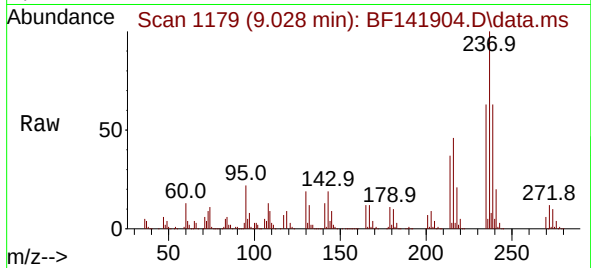




#41
Hexachlorocyclopentadiene
Concen: 85.031 ng
RT: 9.028 min Scan# 1179
Delta R.T. 0.000 min
Lab File: BF141904.D
Acq: 10 Mar 2025 14:27

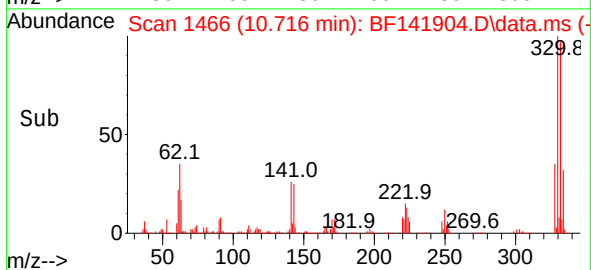
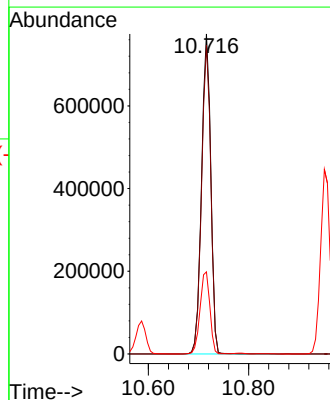
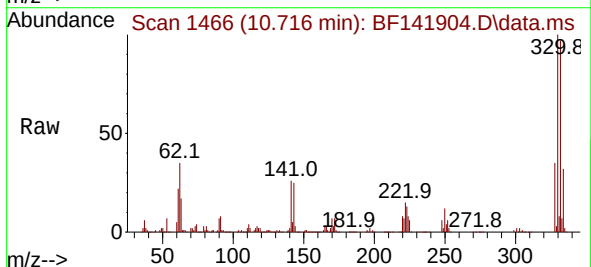
Instrument :
BNA_F
ClientSampleId :
SSTDICC080

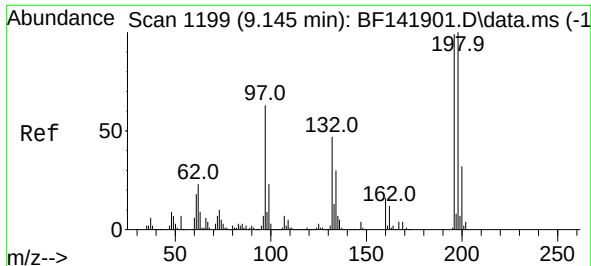
Tgt Ion:237 Resp: 463300
Ion Ratio Lower Upper
237 100
235 62.6 43.1 83.1
272 12.4 0.0 32.0



#42
2,4,6-Tribromophenol
Concen: 171.858 ng
RT: 10.716 min Scan# 1466
Delta R.T. 0.012 min
Lab File: BF141904.D
Acq: 10 Mar 2025 14:27

Tgt Ion:330 Resp: 986206
Ion Ratio Lower Upper
330 100
332 96.4 77.6 116.4
141 27.3 24.7 37.1





#43

2,4,6-Trichlorophenol

Concen: 82.399 ng

RT: 9.157 min Scan# 1199

Delta R.T. 0.012 min

Lab File: BF141904.D

Acq: 10 Mar 2025 14:27

Instrument :

BNA_F

ClientSampleId :

SSTDICC080

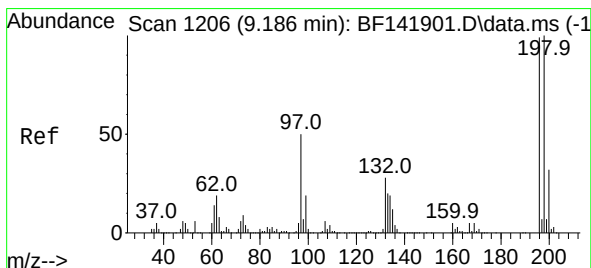
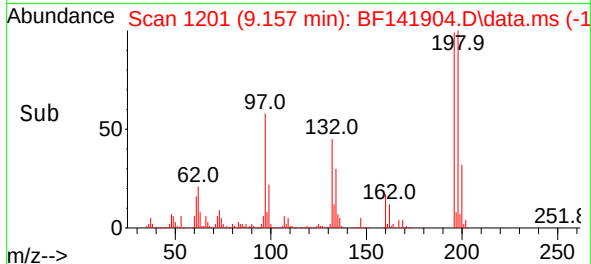
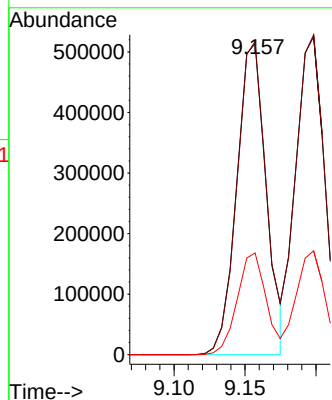
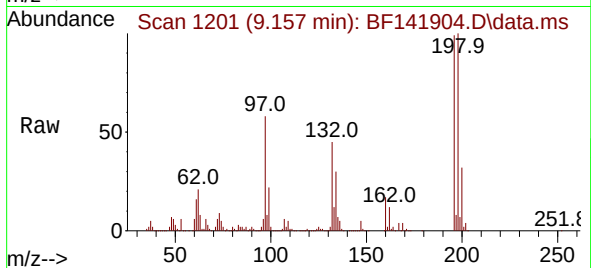
Tgt Ion:196 Resp: 741710

Ion Ratio Lower Upper

196 100

198 100.7 80.6 121.0

200 32.7 25.8 38.6



#44

2,4,5-Trichlorophenol

Concen: 80.579 ng

RT: 9.198 min Scan# 1208

Delta R.T. 0.012 min

Lab File: BF141904.D

Acq: 10 Mar 2025 14:27

Tgt Ion:196 Resp: 736926

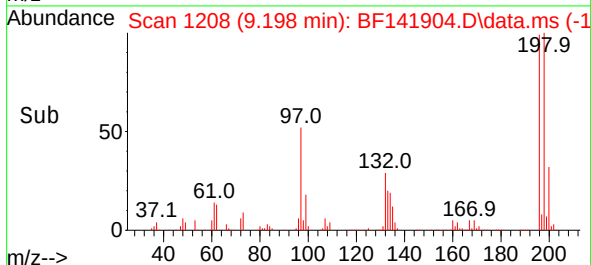
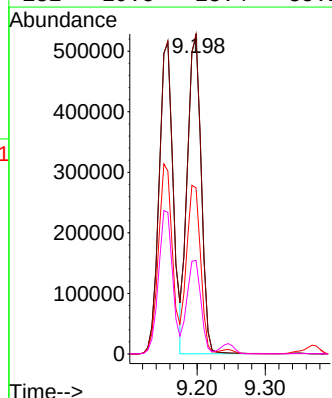
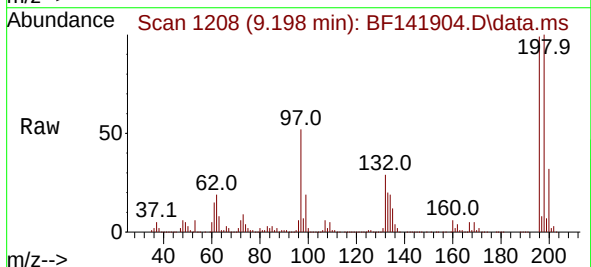
Ion Ratio Lower Upper

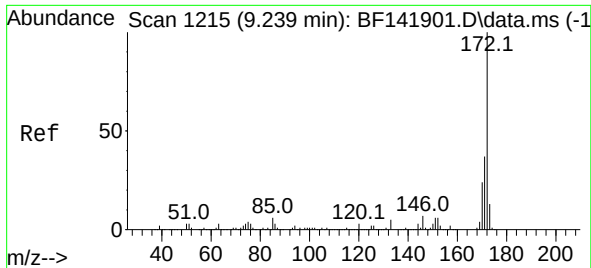
196 100

198 100.6 80.7 121.1

97 52.2 42.1 63.1

132 29.5 23.4 35.2





#45

2-Fluorobiphenyl

Concen: 151.763 ng

RT: 9.245 min Scan# 1216

Delta R.T. 0.006 min

Lab File: BF141904.D

Acq: 10 Mar 2025 14:27

Instrument :

BNA_F

ClientSampleId :

SSTDICC080

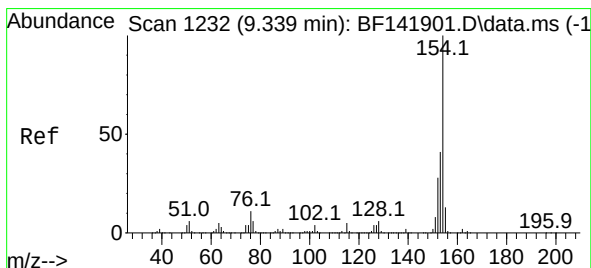
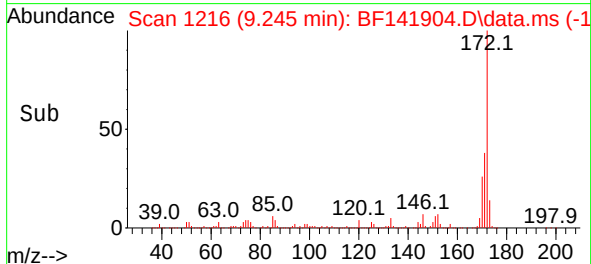
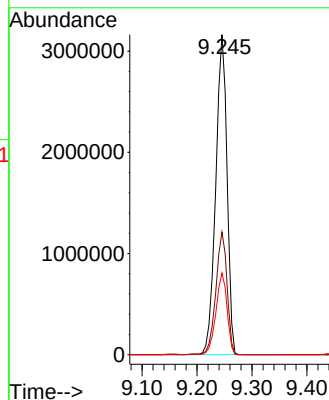
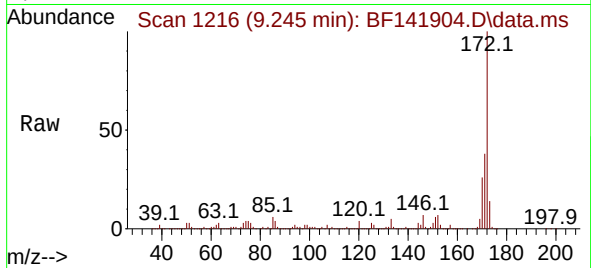
Tgt Ion:172 Resp: 4513418

Ion Ratio Lower Upper

172 100

171 38.4 29.3 43.9

170 25.5 19.4 29.0



#46

1,1'-Biphenyl

Concen: 76.503 ng

RT: 9.345 min Scan# 1233

Delta R.T. 0.006 min

Lab File: BF141904.D

Acq: 10 Mar 2025 14:27

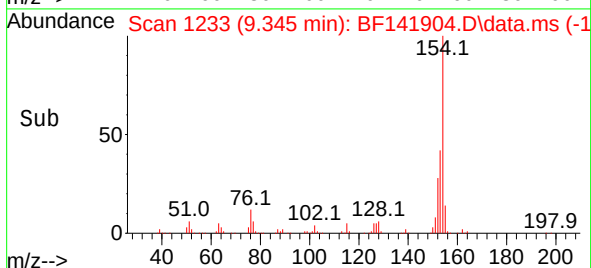
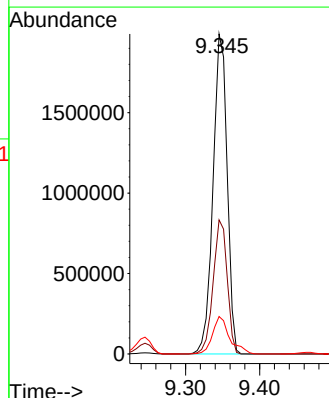
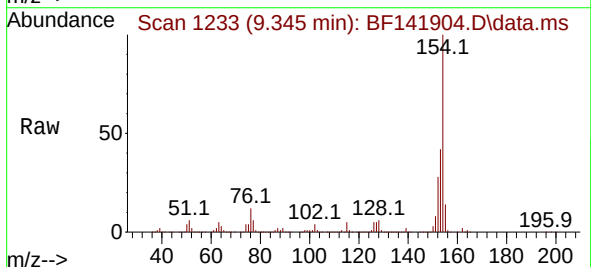
Tgt Ion:154 Resp: 2626697

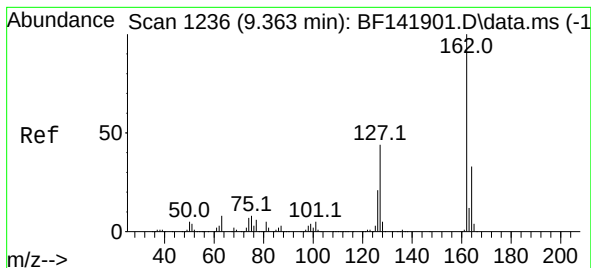
Ion Ratio Lower Upper

154 100

153 41.9 21.1 61.1

76 11.7 0.0 31.3





#47

2-Chloronaphthalene

Concen: 77.859 ng

RT: 9.369 min Scan# 1236

Delta R.T. 0.006 min

Lab File: BF141904.D

Acq: 10 Mar 2025 14:27

Instrument :

BNA_F

ClientSampleId :

SSTDICC080

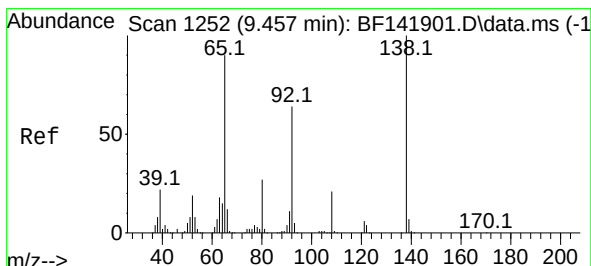
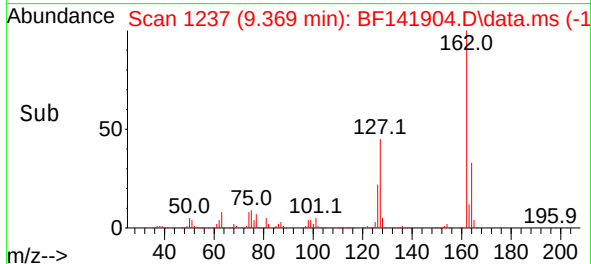
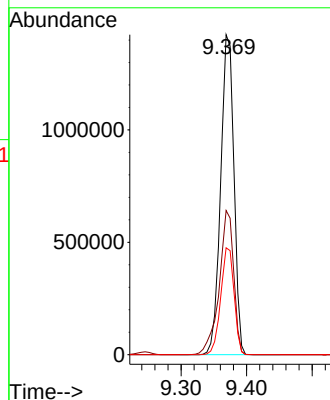
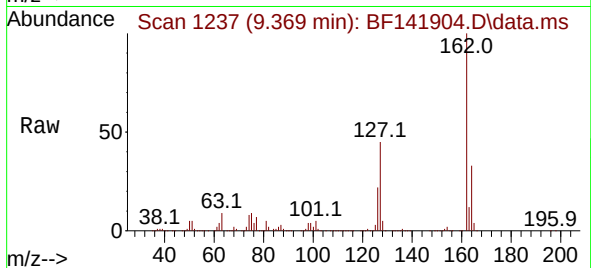
Tgt Ion:162 Resp: 1992242

Ion Ratio Lower Upper

162 100

127 45.0 35.5 53.3

164 33.4 26.6 40.0



#48

2-Nitroaniline

Concen: 81.326 ng

RT: 9.463 min Scan# 1253

Delta R.T. 0.006 min

Lab File: BF141904.D

Acq: 10 Mar 2025 14:27

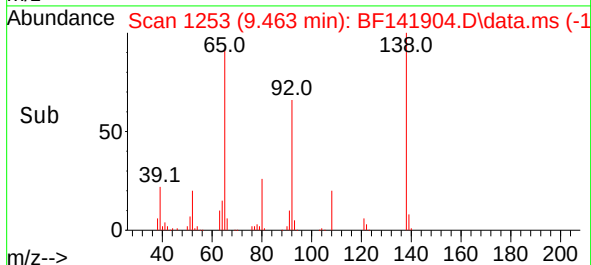
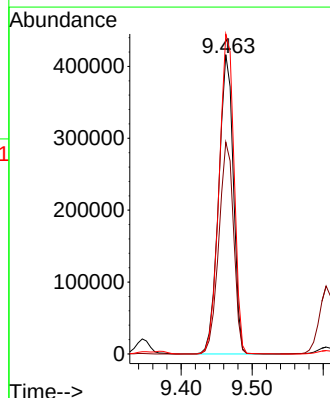
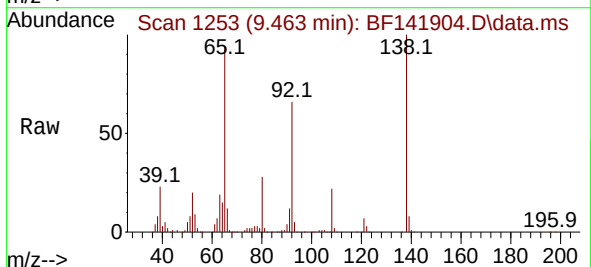
Tgt Ion: 65 Resp: 597778

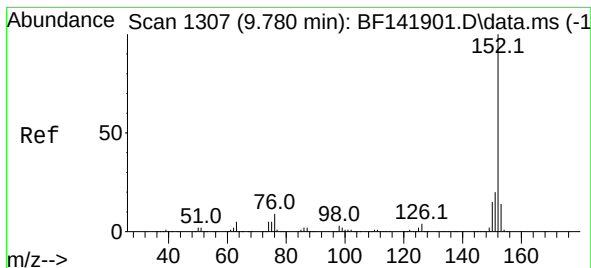
Ion Ratio Lower Upper

65 100

92 70.8 56.6 84.8

138 106.9 88.6 133.0





#49

Acenaphthylene

Concen: 75.877 ng

RT: 9.786 min Scan# 1307

Delta R.T. 0.006 min

Lab File: BF141904.D

Acq: 10 Mar 2025 14:27

Instrument :

BNA_F

ClientSampleId :

SSTDICC080

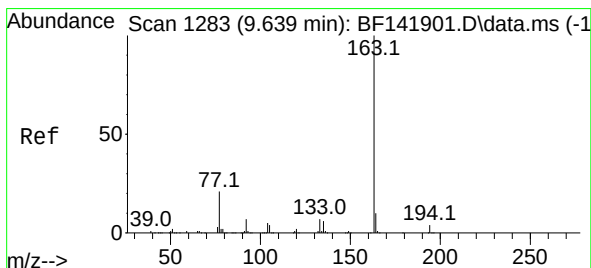
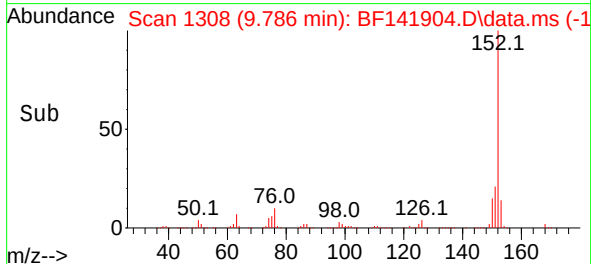
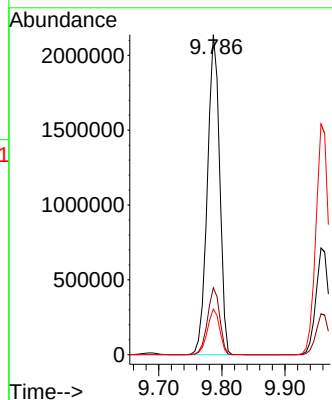
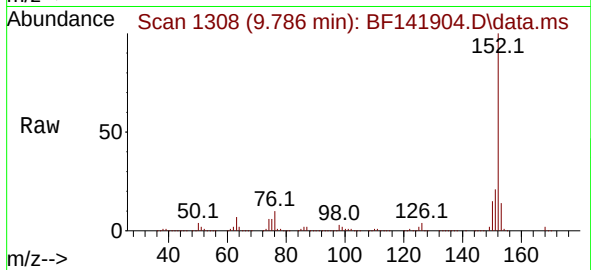
Tgt Ion:152 Resp: 2878496

Ion Ratio Lower Upper

152 100

151 20.9 16.3 24.5

153 14.2 11.1 16.7



#50

Dimethylphthalate

Concen: 77.192 ng

RT: 9.657 min Scan# 1286

Delta R.T. 0.018 min

Lab File: BF141904.D

Acq: 10 Mar 2025 14:27

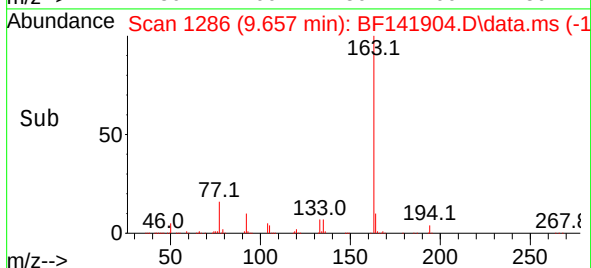
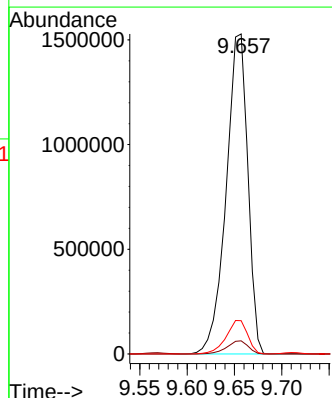
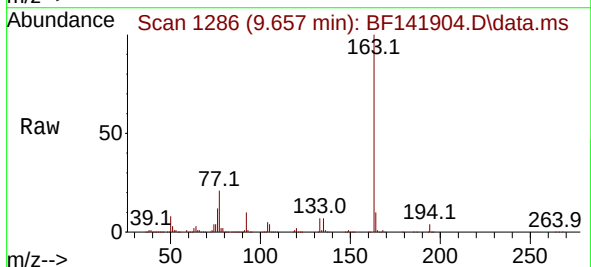
Tgt Ion:163 Resp: 2428843

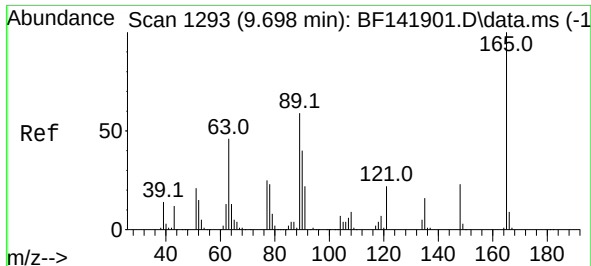
Ion Ratio Lower Upper

163 100

194 4.1 3.1 4.7

164 10.4 8.2 12.4





#51

2,6-Dinitrotoluene

Concen: 80.867 ng

RT: 9.710 min Scan# 1293

Delta R.T. 0.012 min

Lab File: BF141904.D

Acq: 10 Mar 2025 14:27

Instrument :

BNA_F

ClientSampleId :

SSTDICC080

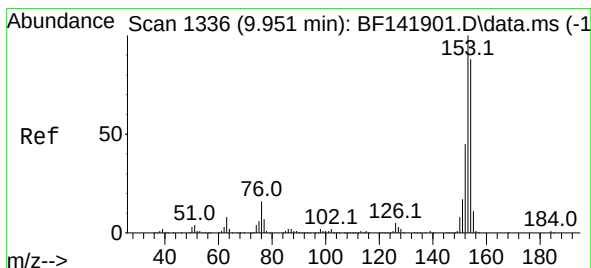
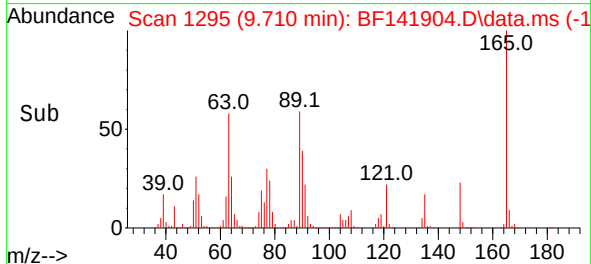
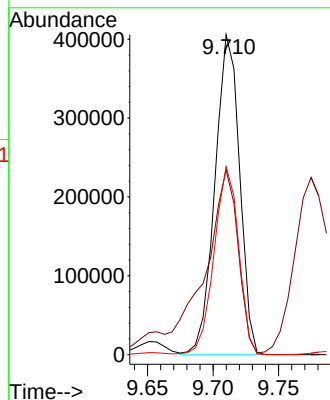
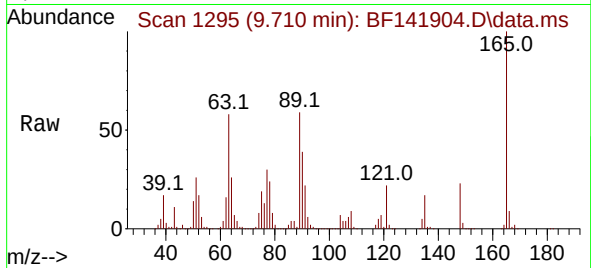
Tgt Ion:165 Resp: 529139

Ion Ratio Lower Upper

165 100

63 57.7 47.0 70.4

89 58.8 47.4 71.2



#52

Acenaphthene

Concen: 77.872 ng

RT: 9.957 min Scan# 1337

Delta R.T. 0.006 min

Lab File: BF141904.D

Acq: 10 Mar 2025 14:27

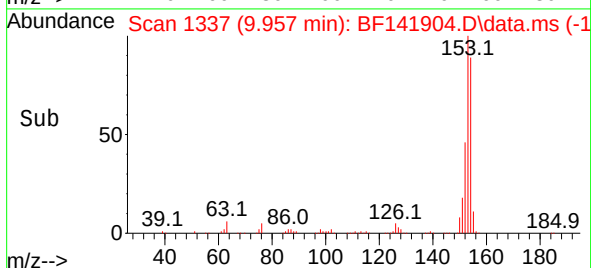
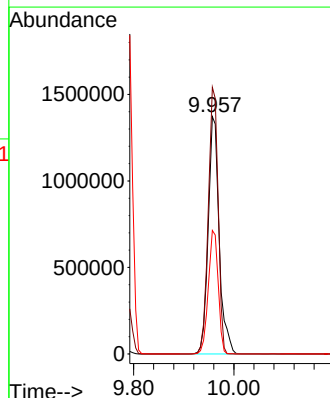
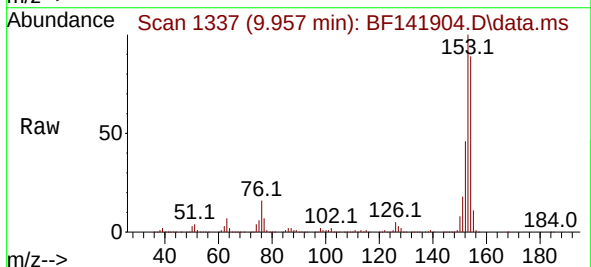
Tgt Ion:154 Resp: 2085941

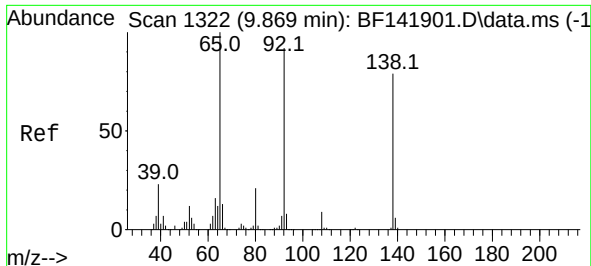
Ion Ratio Lower Upper

154 100

153 112.4 90.7 136.1

152 52.0 41.1 61.7





#53

3-Nitroaniline

Concen: 78.435 ng

RT: 9.881 min Scan# 1324

Delta R.T. 0.012 min

Lab File: BF141904.D

Acq: 10 Mar 2025 14:27

Instrument :

BNA_F

ClientSampleId :

SSTDICC080

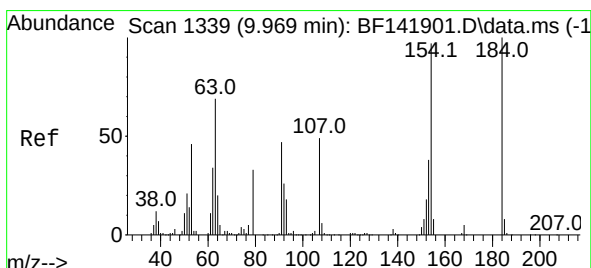
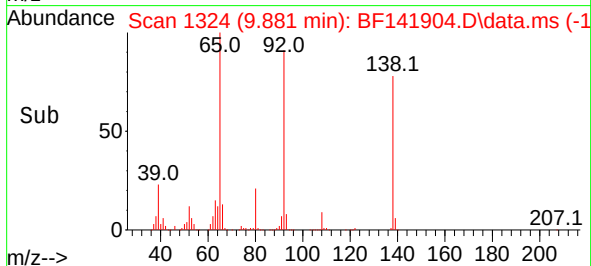
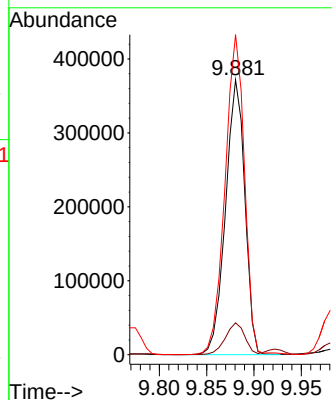
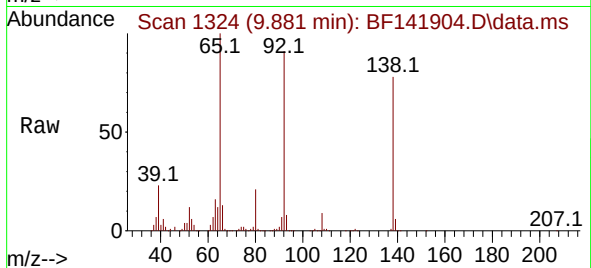
Tgt Ion:138 Resp: 526980

Ion Ratio Lower Upper

138 100

108 11.6 9.3 13.9

92 116.4 93.5 140.3



#54

2,4-Dinitrophenol

Concen: 81.479 ng

RT: 9.981 min Scan# 1341

Delta R.T. 0.012 min

Lab File: BF141904.D

Acq: 10 Mar 2025 14:27

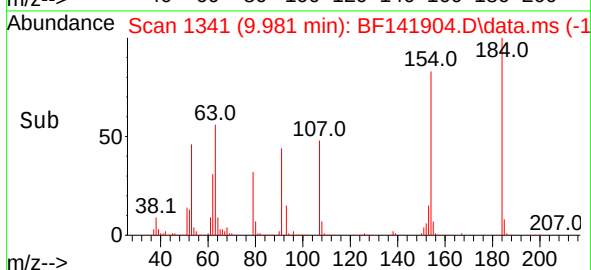
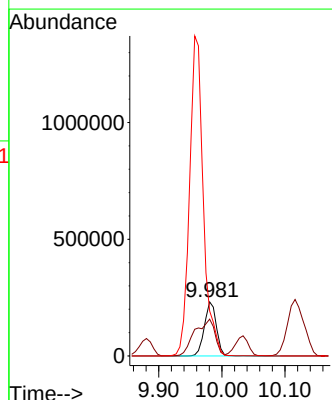
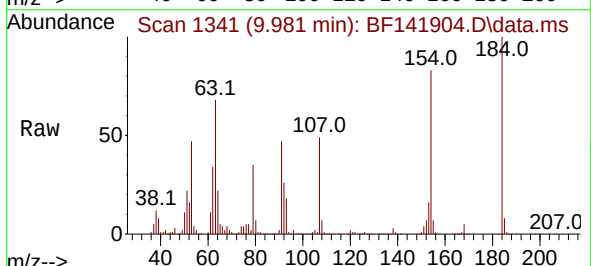
Tgt Ion:184 Resp: 305399

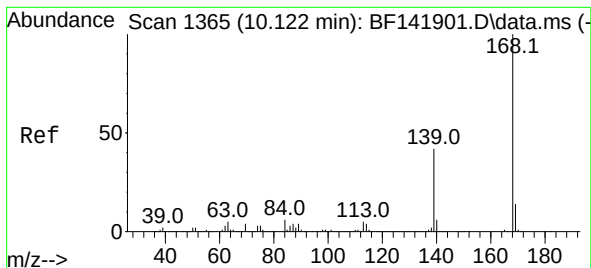
Ion Ratio Lower Upper

184 100

63 68.1 60.2 90.4

154 82.9 132.9 199.3#





#55

Dibenzenofuran

Concen: 74.474 ng

RT: 10.128 min Scan# 1365

Delta R.T. 0.006 min

Lab File: BF141904.D

Acq: 10 Mar 2025 14:27

Instrument :

BNA_F

ClientSampleId :

SSTDICC080

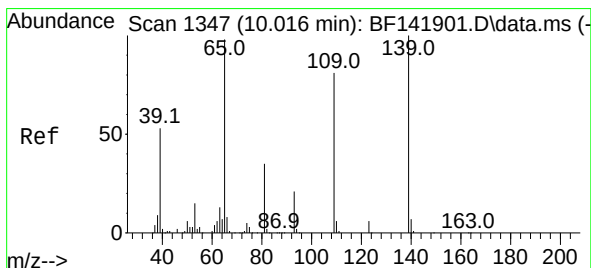
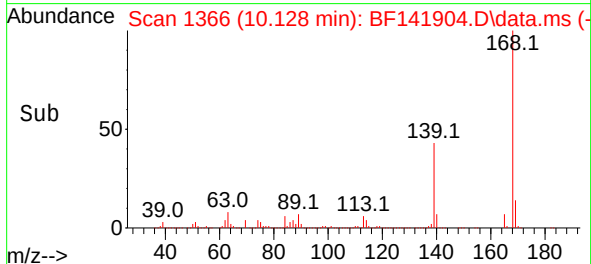
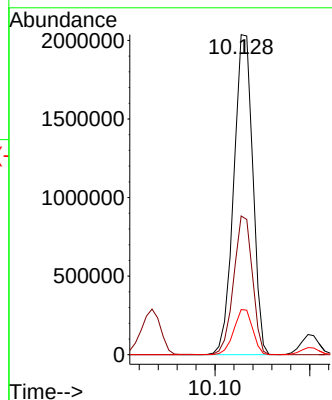
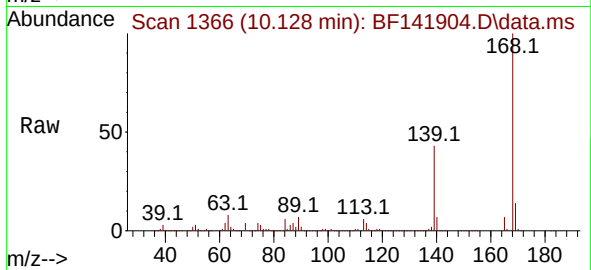
Tgt Ion:168 Resp: 2844432

Ion Ratio Lower Upper

168 100

139 43.4 33.9 50.9

169 14.1 11.0 16.4



#56

4-Nitrophenol

Concen: 82.456 ng

RT: 10.033 min Scan# 1350

Delta R.T. 0.018 min

Lab File: BF141904.D

Acq: 10 Mar 2025 14:27

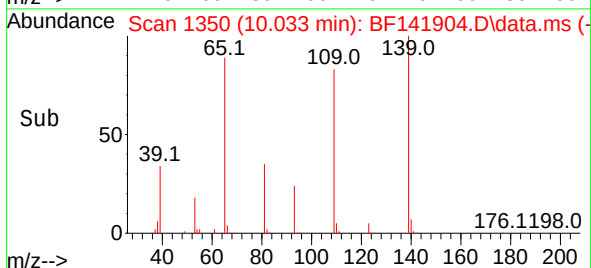
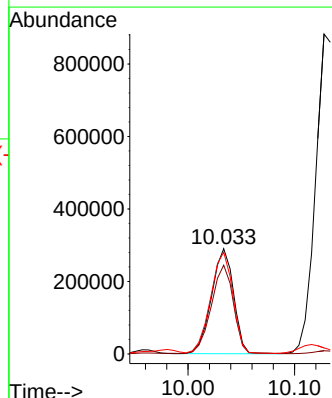
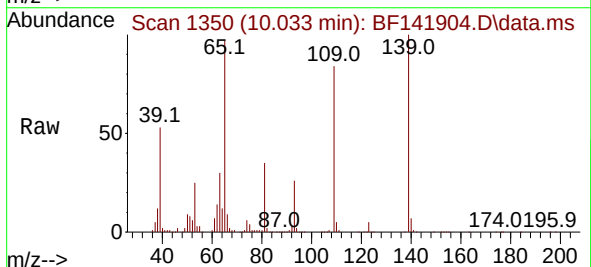
Tgt Ion:139 Resp: 416153

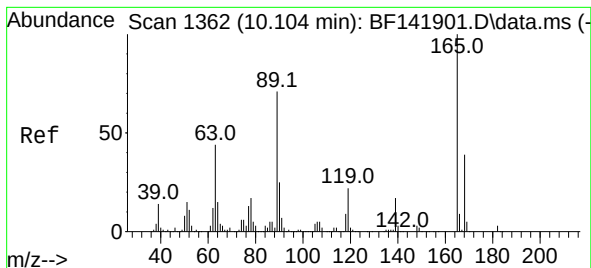
Ion Ratio Lower Upper

139 100

109 84.3 61.6 101.6

65 96.7 79.4 119.4

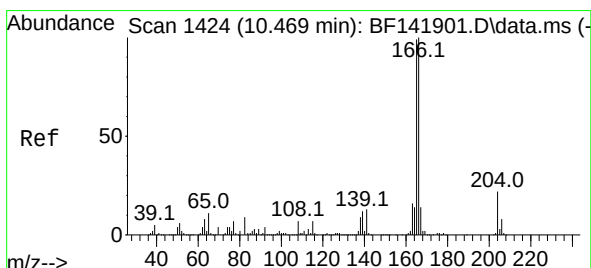
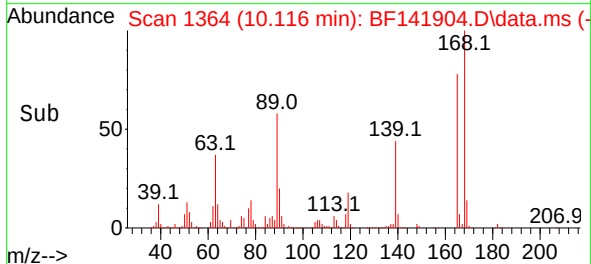
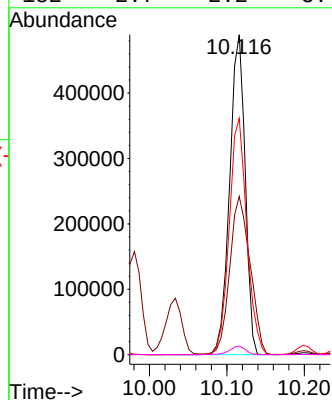
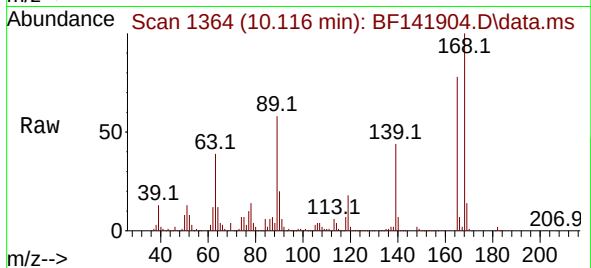




#57
2,4-Dinitrotoluene
Concen: 79.099 ng
RT: 10.116 min Scan# 1416
Delta R.T. 0.012 min
Lab File: BF141904.D
Acq: 10 Mar 2025 14:27

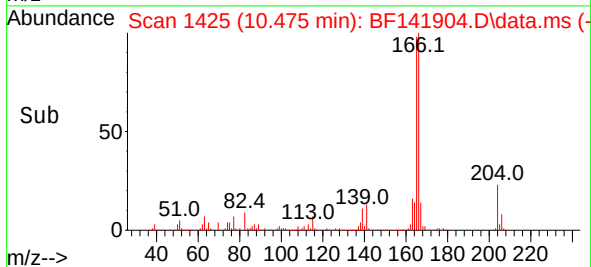
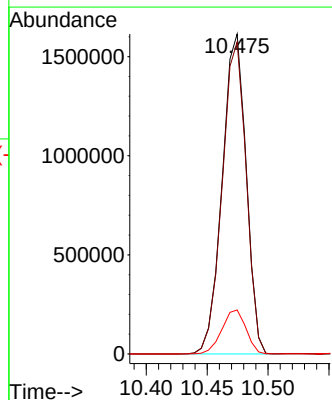
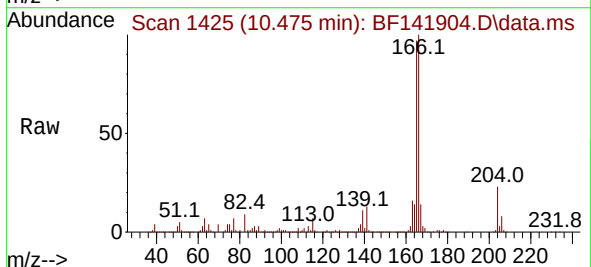
Instrument :
BNA_F
ClientSampleId :
SSTDICC080

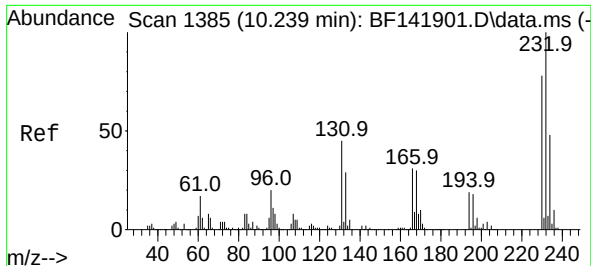
Tgt Ion:165 Resp: 681278
Ion Ratio Lower Upper
165 100
63 49.4 35.4 53.2
89 73.9 56.6 84.8
182 2.7 2.2 3.4



#58
Fluorene
Concen: 74.974 ng
RT: 10.475 min Scan# 1425
Delta R.T. 0.006 min
Lab File: BF141904.D
Acq: 10 Mar 2025 14:27

Tgt Ion:166 Resp: 2210653
Ion Ratio Lower Upper
166 100
165 97.5 79.0 118.4
167 13.8 11.0 16.4





#59

2,3,4,6-Tetrachlorophenol

Concen: 80.507 ng

RT: 10.245 min Scan# 1403

Delta R.T. 0.006 min

Lab File: BF141904.D

Acq: 10 Mar 2025 14:27

Instrument :

BNA_F

ClientSampleId :

SSTDICC080

Tgt Ion:232 Resp: 668027

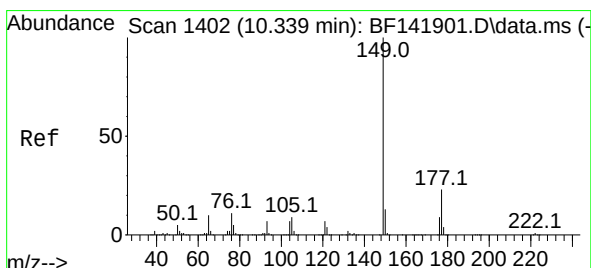
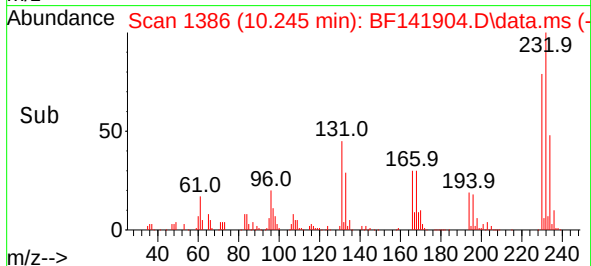
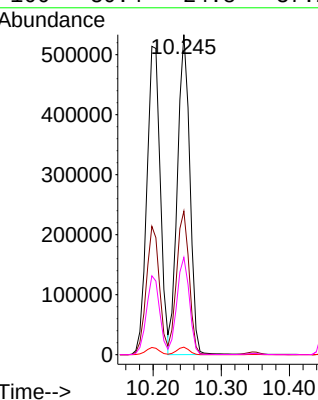
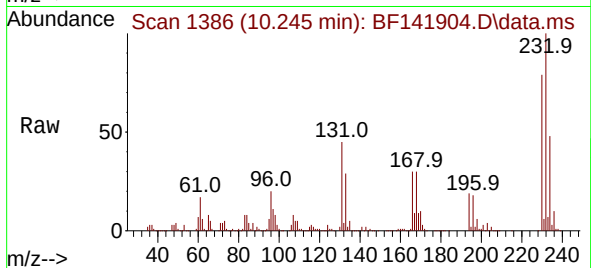
Ion Ratio Lower Upper

232 100

131 45.4 37.3 55.9

130 2.3 1.9 2.9

166 30.4 24.8 37.2



#60

Diethylphthalate

Concen: 74.681 ng

RT: 10.345 min Scan# 1403

Delta R.T. 0.006 min

Lab File: BF141904.D

Acq: 10 Mar 2025 14:27

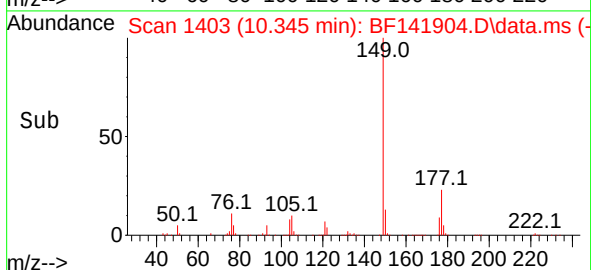
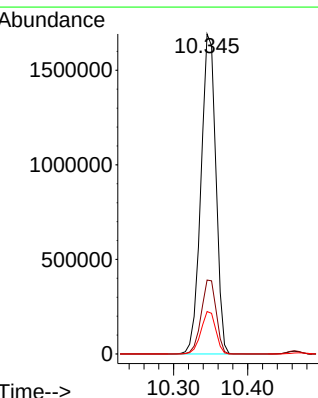
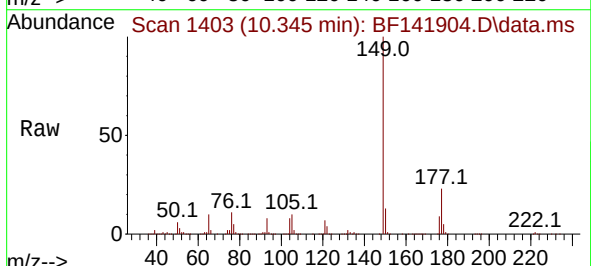
Tgt Ion:149 Resp: 2358921

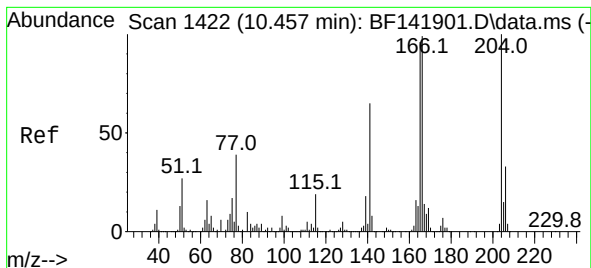
Ion Ratio Lower Upper

149 100

177 23.1 18.0 27.0

150 13.3 10.2 15.4

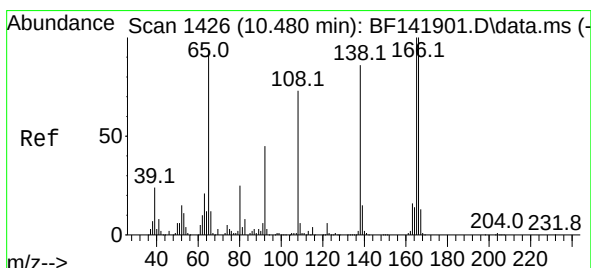
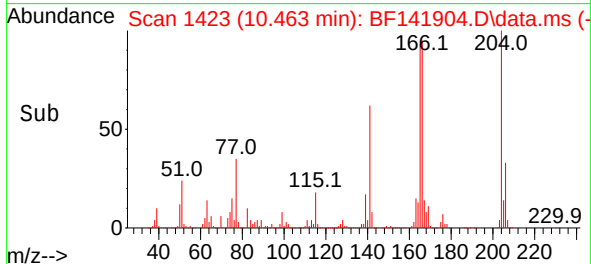
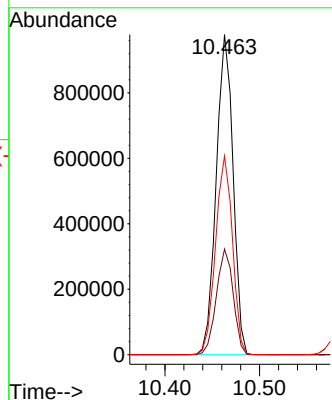
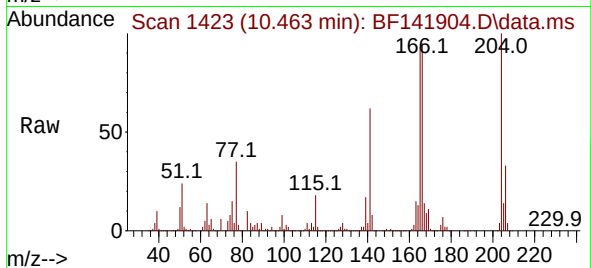




#61
4-Chlorophenyl-phenylether
Concen: 78.724 ng
RT: 10.463 min Scan# 1422
Delta R.T. 0.006 min
Lab File: BF141904.D
Acq: 10 Mar 2025 14:27

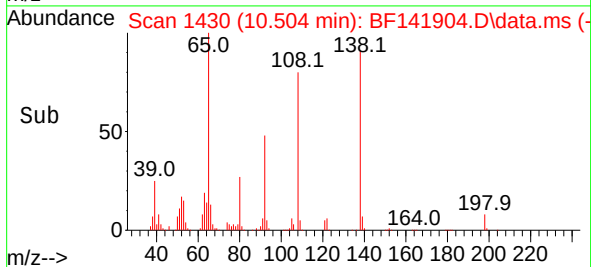
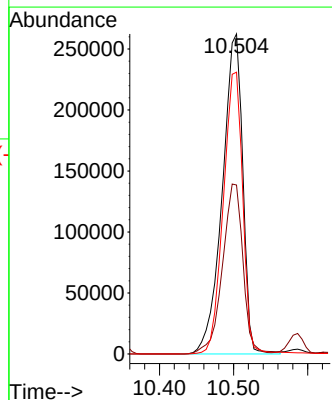
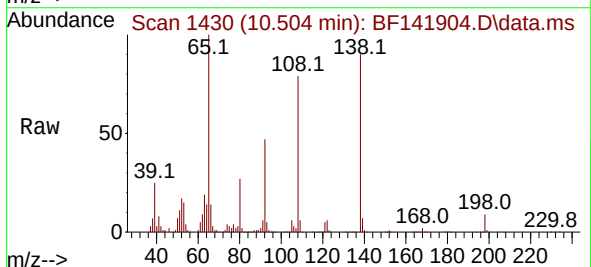
Instrument :
BNA_F
ClientSampleId :
SSTDICC080

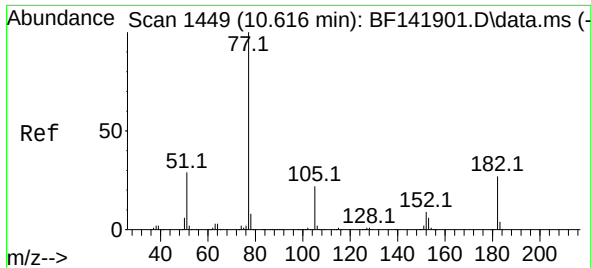
Tgt Ion:204 Resp: 1209021
Ion Ratio Lower Upper
204 100
206 33.0 26.8 40.2
141 62.1 52.4 78.6



#62
4-Nitroaniline
Concen: 77.243 ng
RT: 10.504 min Scan# 1430
Delta R.T. 0.024 min
Lab File: BF141904.D
Acq: 10 Mar 2025 14:27

Tgt Ion:138 Resp: 502894
Ion Ratio Lower Upper
138 100
92 52.8 32.6 72.6
108 88.1 65.0 105.0

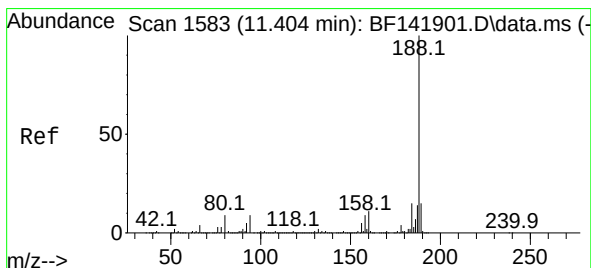
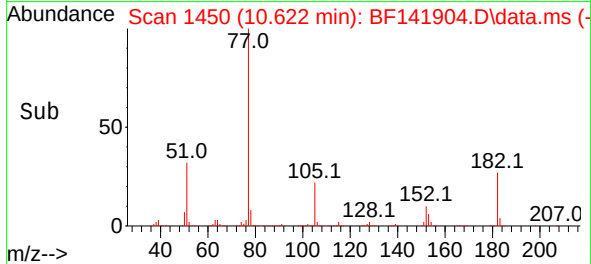
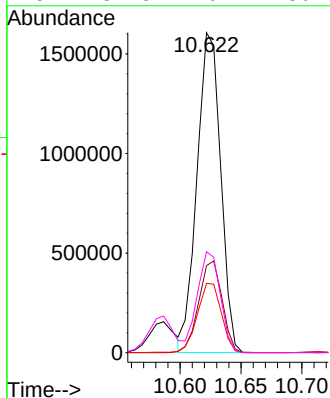
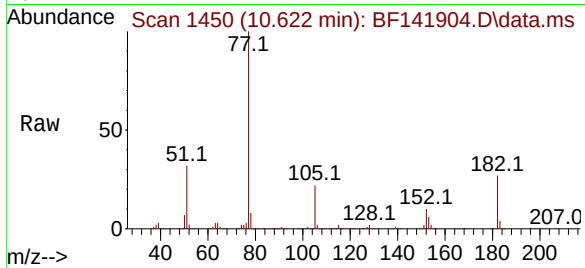




#63
 Azobenzene
 Concen: 73.911 ng
 RT: 10.622 min Scan# 1449
 Delta R.T. 0.006 min
 Lab File: BF141904.D
 Acq: 10 Mar 2025 14:27

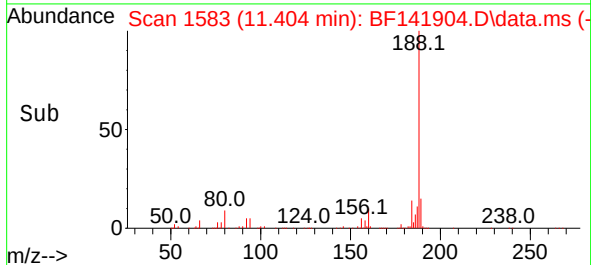
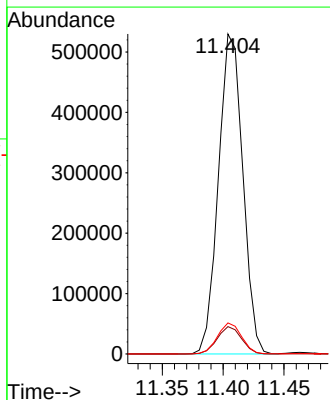
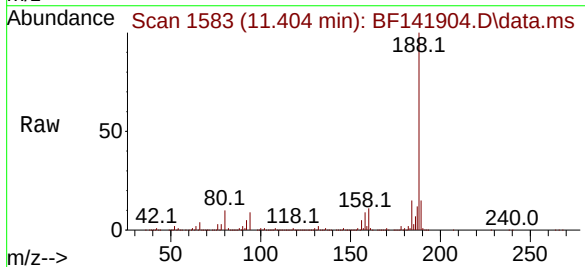
Instrument :
 BNA_F
 ClientSampleId :
 SSTDICC080

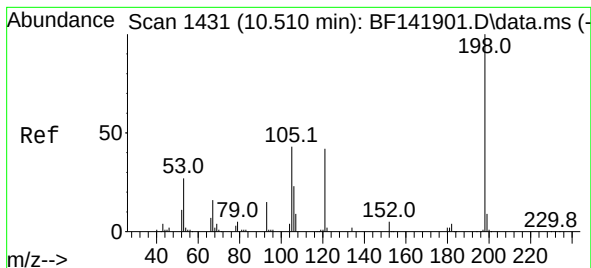
Tgt Ion: 77 Resp: 2168742
 Ion Ratio Lower Upper
 77 100
 182 27.2 6.6 46.6
 105 21.7 1.3 41.3
 51 31.5 10.4 50.4



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.404 min Scan# 1583
 Delta R.T. -0.000 min
 Lab File: BF141904.D
 Acq: 10 Mar 2025 14:27

Tgt Ion: 188 Resp: 738472
 Ion Ratio Lower Upper
 188 100
 94 8.5 6.8 10.2
 80 9.7 7.6 11.4

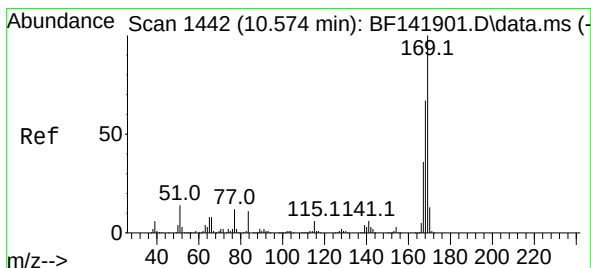
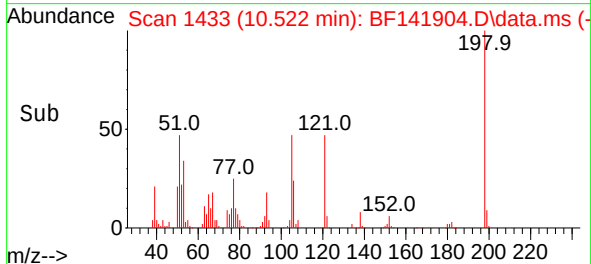
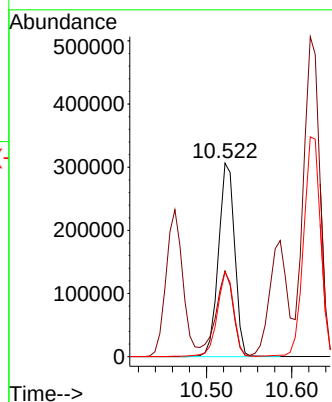
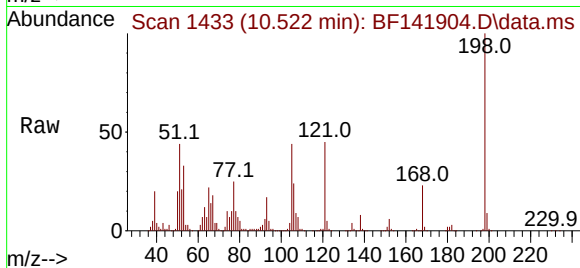




#65
4,6-Dinitro-2-methylphenol
Concen: 92.396 ng
RT: 10.522 min Scan# 1433
Delta R.T. 0.012 min
Lab File: BF141904.D
Acq: 10 Mar 2025 14:27

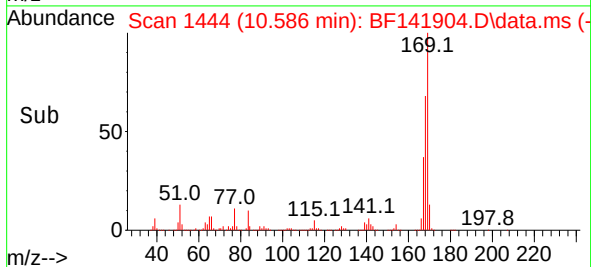
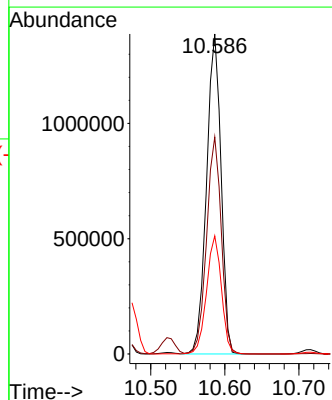
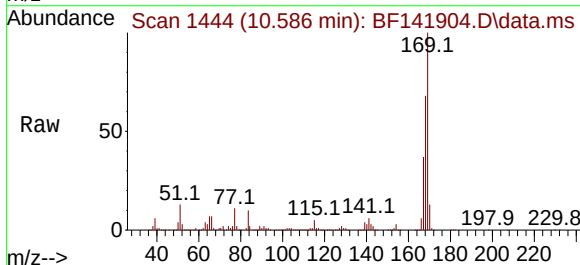
Instrument :
BNA_F
ClientSampleId :
SSTDICC080

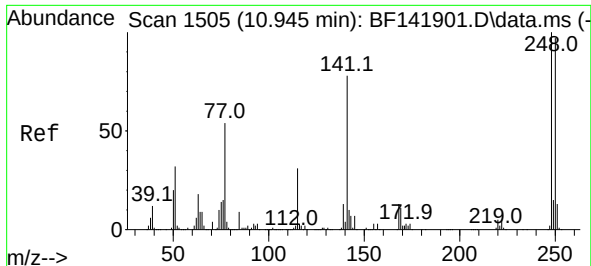
Tgt Ion:198 Resp: 404505
Ion Ratio Lower Upper
198 100
51 44.2 22.3 62.3
105 43.9 23.0 63.0



#66
n-Nitrosodiphenylamine
Concen: 78.895 ng
RT: 10.586 min Scan# 1444
Delta R.T. 0.012 min
Lab File: BF141904.D
Acq: 10 Mar 2025 14:27

Tgt Ion:169 Resp: 1882098
Ion Ratio Lower Upper
169 100
168 67.8 53.7 80.5
167 36.9 29.2 43.8

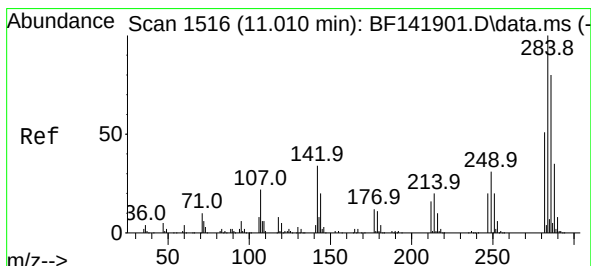
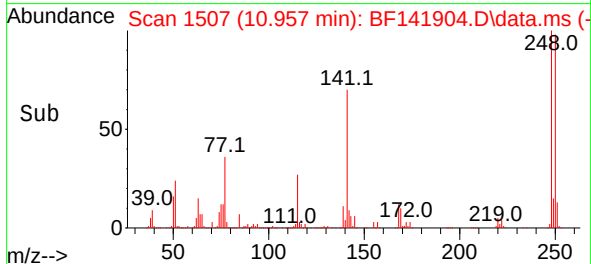
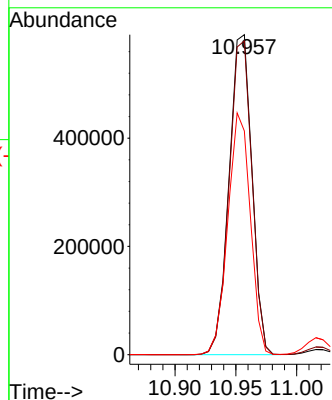
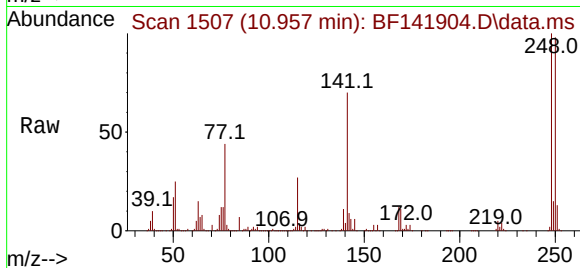




#67
4-Bromophenyl-phenylether
Concen: 84.232 ng
RT: 10.957 min Scan# 1507
Delta R.T. 0.012 min
Lab File: BF141904.D
Acq: 10 Mar 2025 14:27

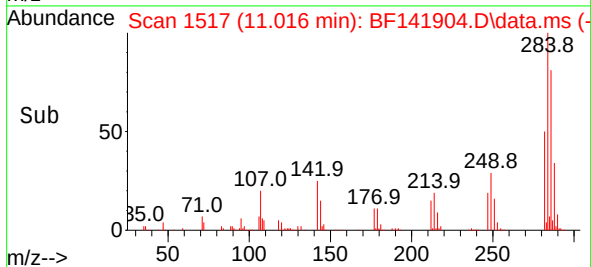
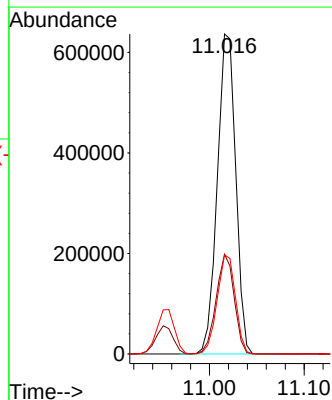
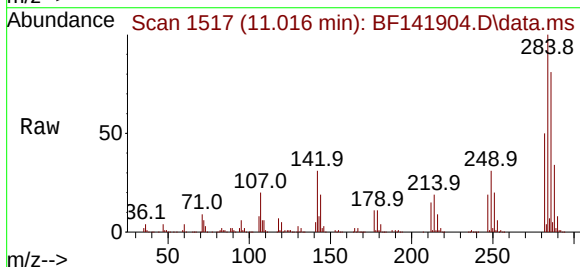
Instrument :
BNA_F
ClientSampleId :
SSTDICC080

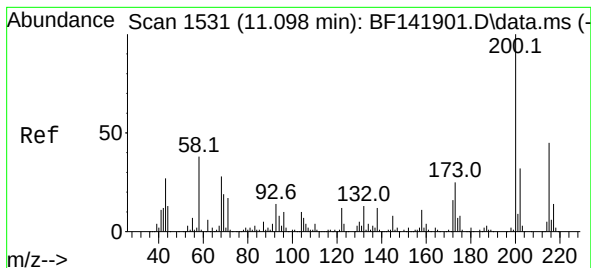
Tgt Ion:248 Resp: 774645
Ion Ratio Lower Upper
248 100
250 98.1 77.8 116.8
141 69.9 62.6 93.8



#68
Hexachlorobenzene
Concen: 84.832 ng
RT: 11.016 min Scan# 1517
Delta R.T. 0.006 min
Lab File: BF141904.D
Acq: 10 Mar 2025 14:27

Tgt Ion:284 Resp: 862357
Ion Ratio Lower Upper
284 100
142 31.2 27.0 40.6
249 31.0 25.2 37.8





#69

Atrazine

Concen: 44.445 ng

RT: 11.104 min Scan# 1532

Delta R.T. 0.006 min

Lab File: BF141904.D

Acq: 10 Mar 2025 14:27

Instrument :

BNA_F

ClientSampleId :

SSTDICC080

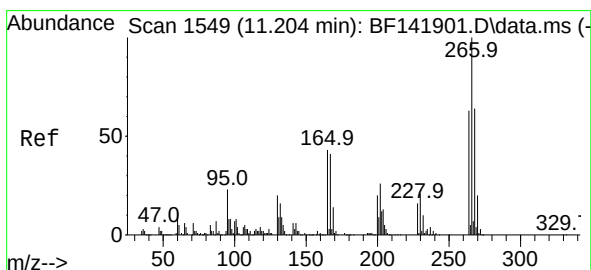
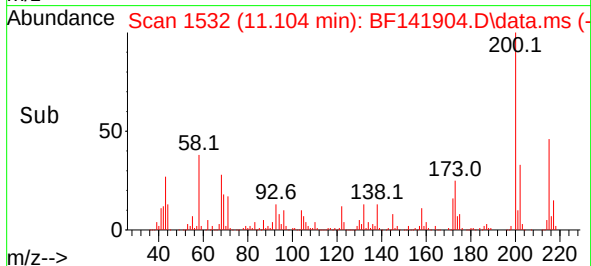
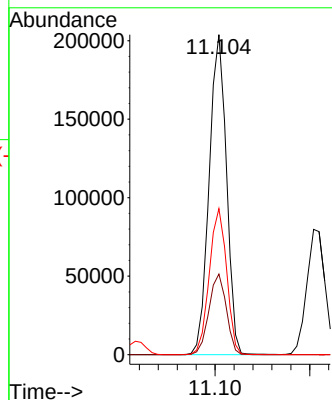
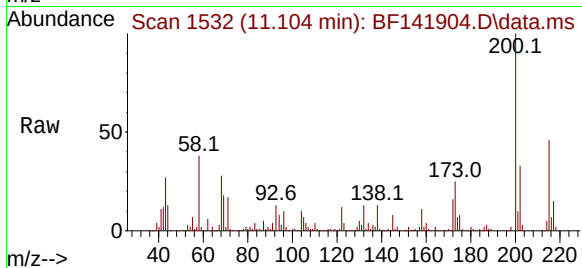
Tgt Ion:200 Resp: 258544

Ion Ratio Lower Upper

200 100

173 25.2 4.7 44.7

215 45.7 25.4 65.4



#70

Pentachlorophenol

Concen: 89.813 ng

RT: 11.210 min Scan# 1550

Delta R.T. 0.006 min

Lab File: BF141904.D

Acq: 10 Mar 2025 14:27

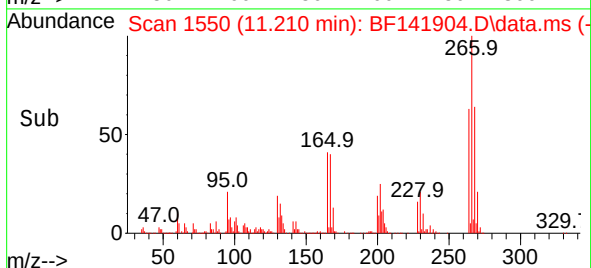
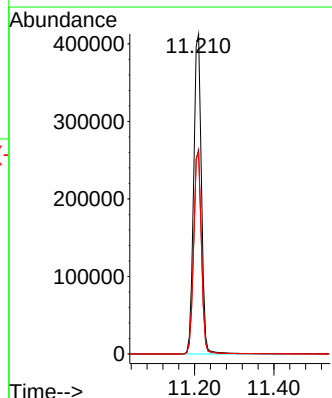
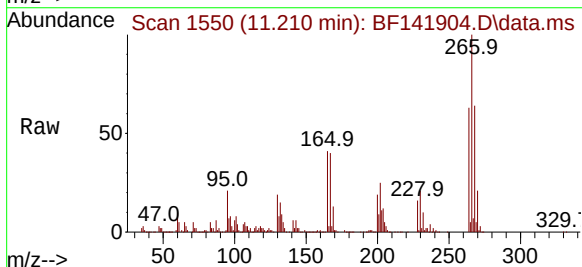
Tgt Ion:266 Resp: 563030

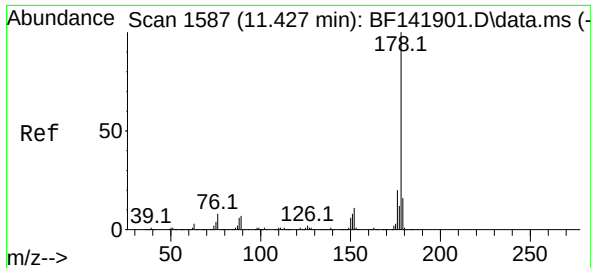
Ion Ratio Lower Upper

266 100

268 63.9 51.0 76.6

264 62.9 50.2 75.2

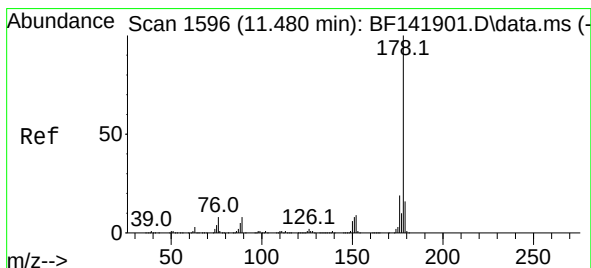
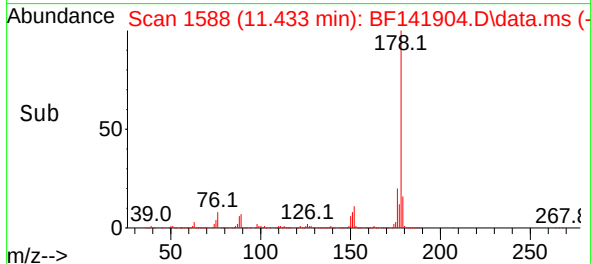
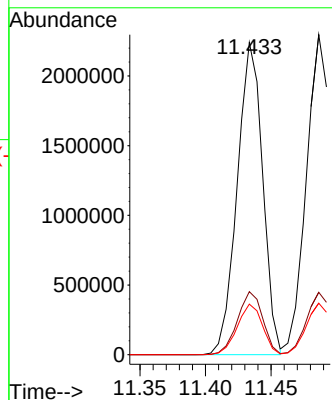
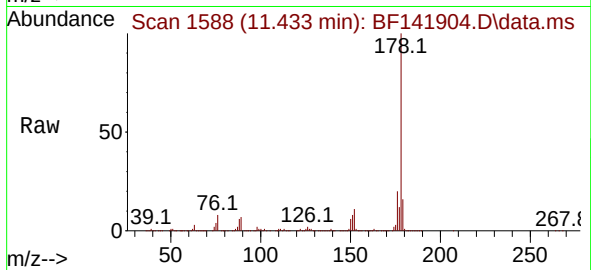




#71
Phenanthrene
Concen: 75.649 ng
RT: 11.433 min Scan# 1587
Delta R.T. 0.006 min
Lab File: BF141904.D
Acq: 10 Mar 2025 14:27

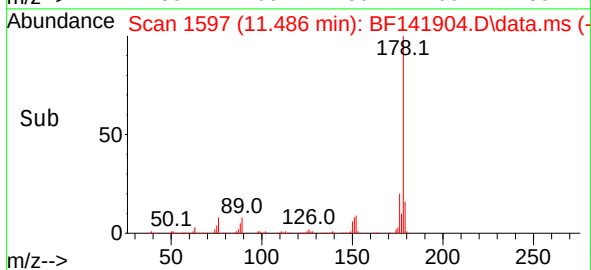
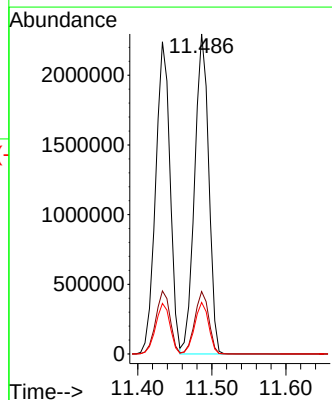
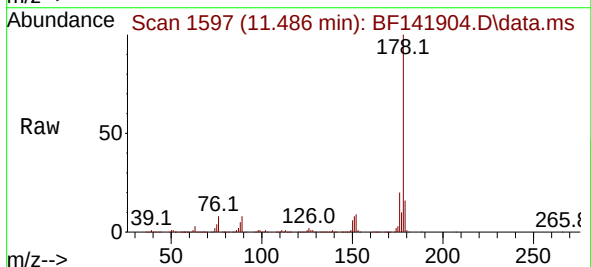
Instrument :
BNA_F
ClientSampleId :
SSTDICC080

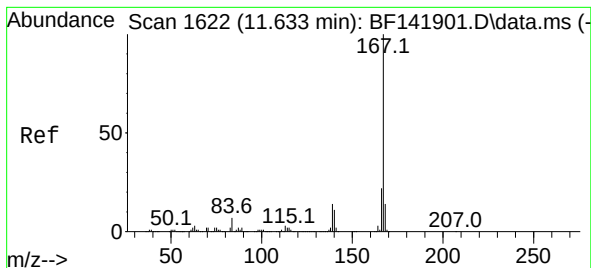
Tgt Ion:178 Resp: 3020950
Ion Ratio Lower Upper
178 100
176 20.2 15.8 23.8
179 16.2 12.6 19.0



#72
Anthracene
Concen: 75.653 ng
RT: 11.486 min Scan# 1597
Delta R.T. 0.006 min
Lab File: BF141904.D
Acq: 10 Mar 2025 14:27

Tgt Ion:178 Resp: 3031014
Ion Ratio Lower Upper
178 100
176 19.5 15.1 22.7
179 16.1 12.6 19.0





#73

Carbazole

Concen: 74.002 ng

RT: 11.639 min Scan# 1622

Delta R.T. 0.006 min

Lab File: BF141904.D

Acq: 10 Mar 2025 14:27

Instrument :

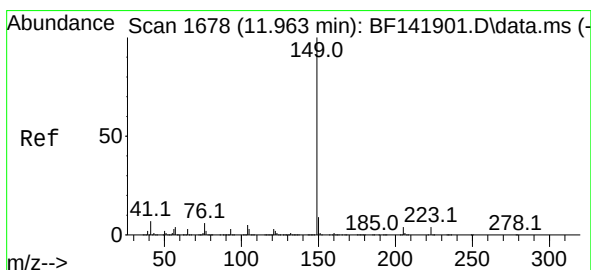
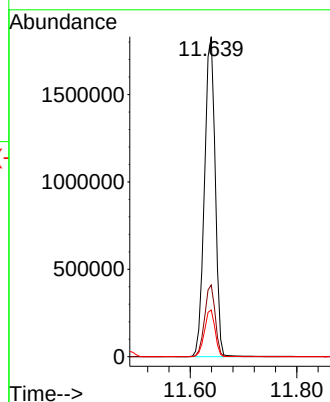
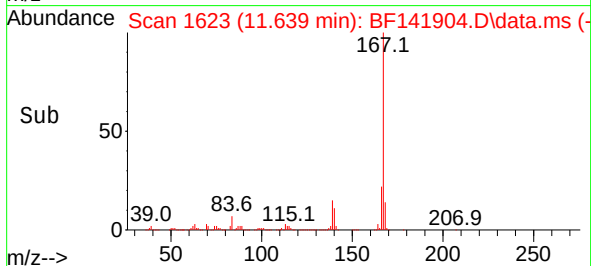
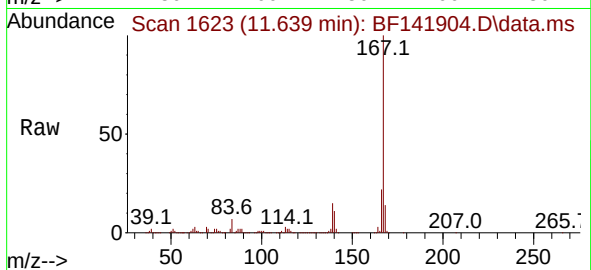
BNA_F

ClientSampleId :

SSTDICC080

Tgt Ion:167 Resp: 2552563

Ion	Ratio	Lower	Upper
167	100		
166	22.4	17.4	26.2
139	14.6	11.0	16.6



#74

Di-n-butylphthalate

Concen: 73.399 ng

RT: 11.969 min Scan# 1679

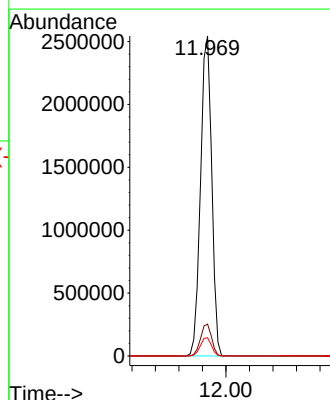
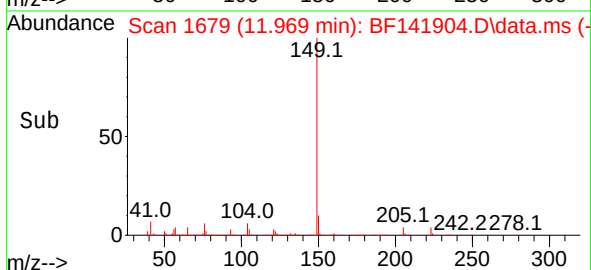
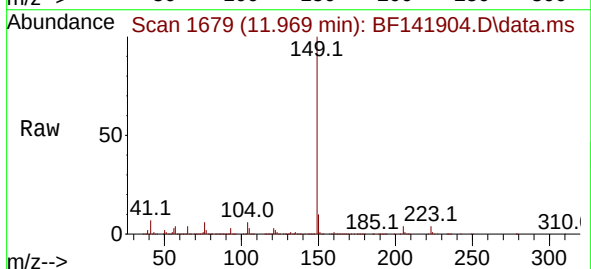
Delta R.T. 0.006 min

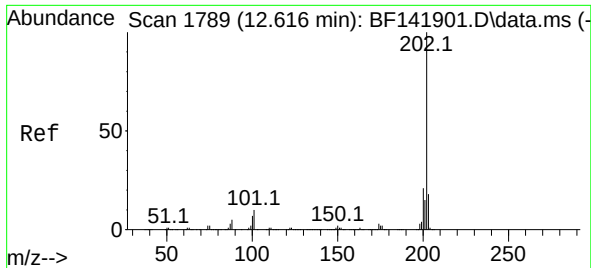
Lab File: BF141904.D

Acq: 10 Mar 2025 14:27

Tgt Ion:149 Resp: 3342776

Ion	Ratio	Lower	Upper
149	100		
150	10.0	7.6	11.4
104	5.7	4.4	6.6

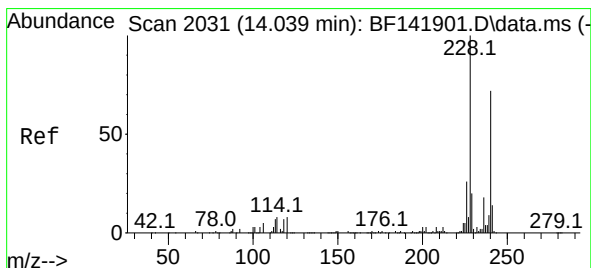
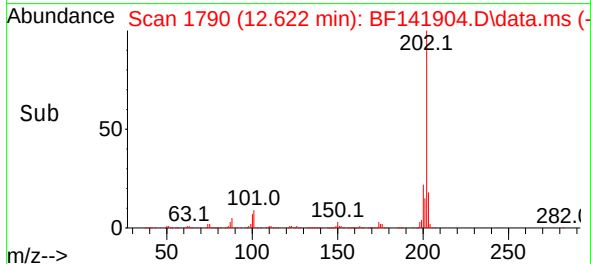
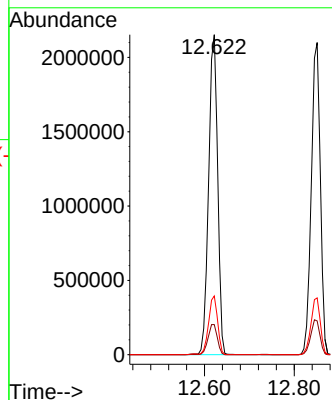
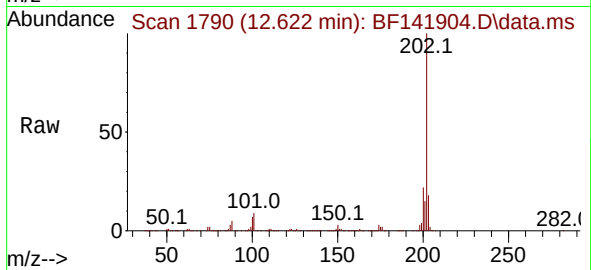




#75
Fluoranthene
Concen: 71.694 ng
RT: 12.622 min Scan# 11
Delta R.T. 0.006 min
Lab File: BF141904.D
Acq: 10 Mar 2025 14:27

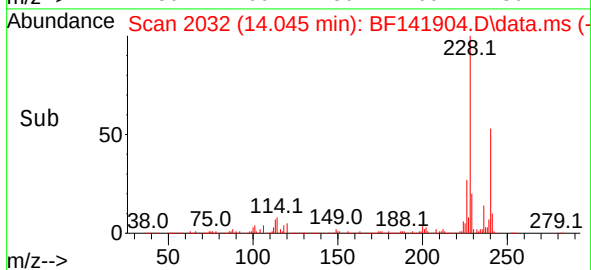
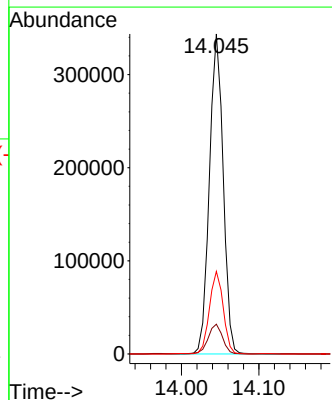
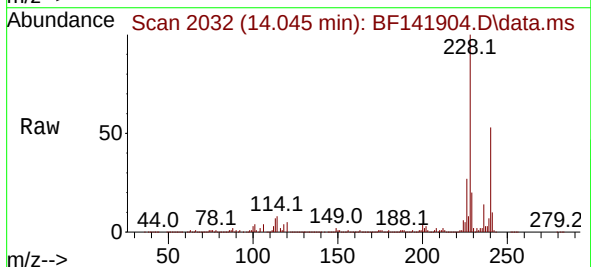
Instrument :
BNA_F
ClientSampleId :
SSTDICC080

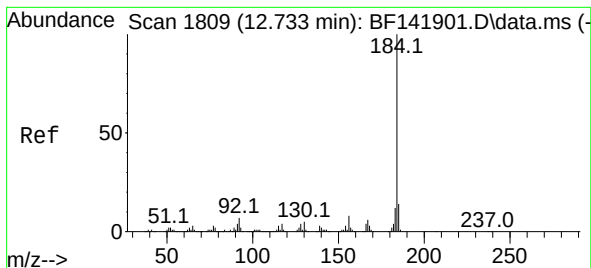
Tgt Ion:202 Resp: 3005566
Ion Ratio Lower Upper
202 100
101 9.4 0.0 29.7
203 18.4 0.0 37.8



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.045 min Scan# 2032
Delta R.T. 0.006 min
Lab File: BF141904.D
Acq: 10 Mar 2025 14:27

Tgt Ion:240 Resp: 424370
Ion Ratio Lower Upper
240 100
120 9.3 8.4 12.6
236 25.8 20.5 30.7





#77

Benzidine

Concen: 71.330 ng

RT: 12.733 min Scan# 1809

Delta R.T. 0.000 min

Lab File: BF141904.D

Acq: 10 Mar 2025 14:27

Instrument :

BNA_F

ClientSampleId :

SSTDICC080

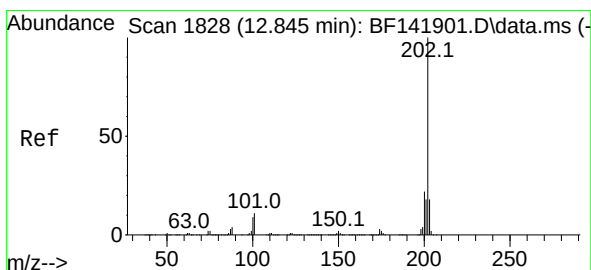
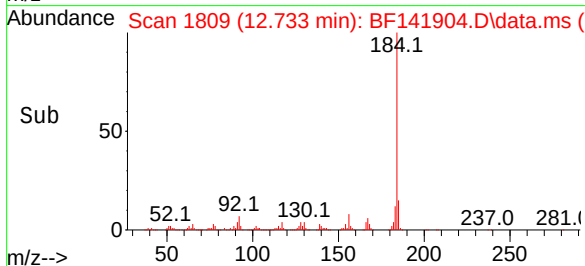
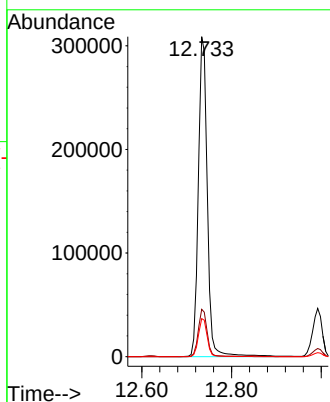
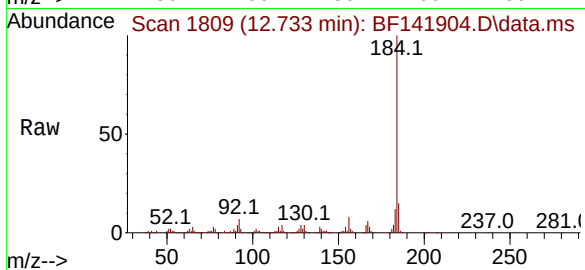
Tgt Ion:184 Resp: 427770

Ion Ratio Lower Upper

184 100

185 14.8 11.5 17.3

183 11.9 9.7 14.5



#78

Pyrene

Concen: 80.513 ng

RT: 12.851 min Scan# 1829

Delta R.T. 0.006 min

Lab File: BF141904.D

Acq: 10 Mar 2025 14:27

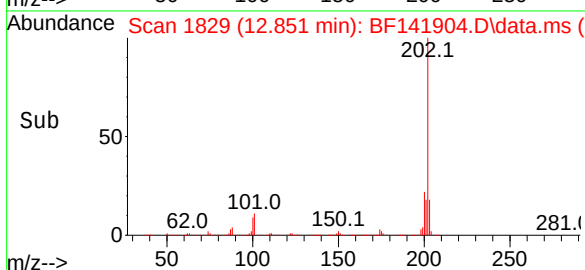
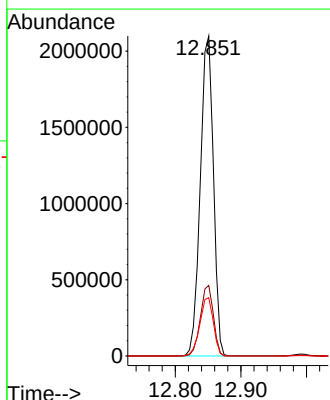
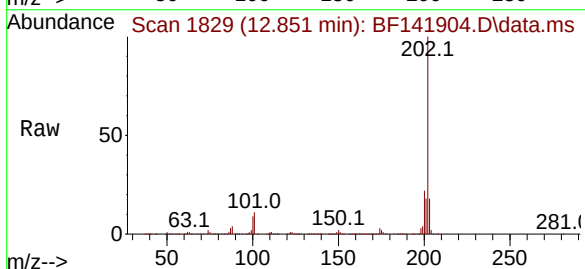
Tgt Ion:202 Resp: 2930115

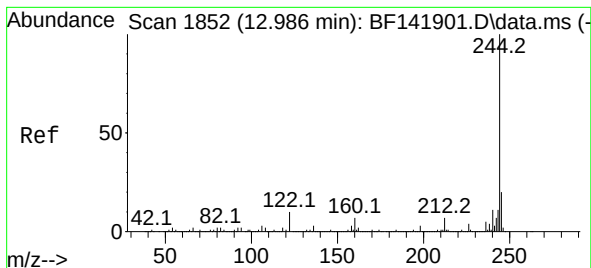
Ion Ratio Lower Upper

202 100

200 22.1 17.3 25.9

203 18.2 14.4 21.6





#79

Terphenyl-d14

Concen: 163.713 ng

RT: 12.992 min Scan# 1853

Delta R.T. 0.006 min

Lab File: BF141904.D

Acq: 10 Mar 2025 14:27

Instrument :

BNA_F

ClientSampleId :

SSTDICC080

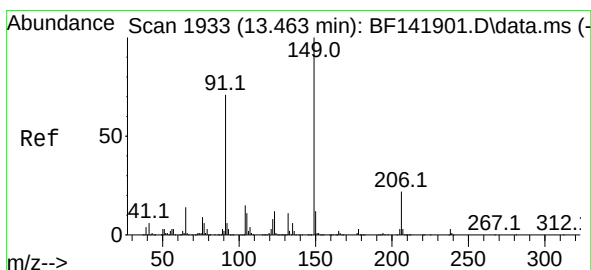
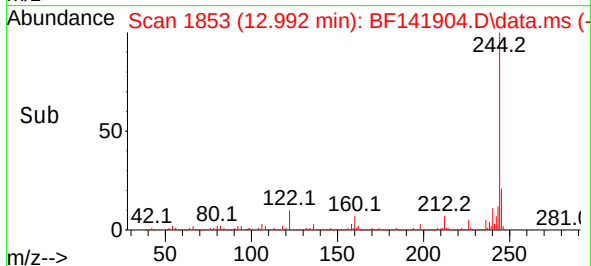
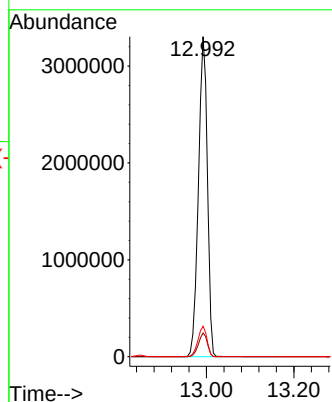
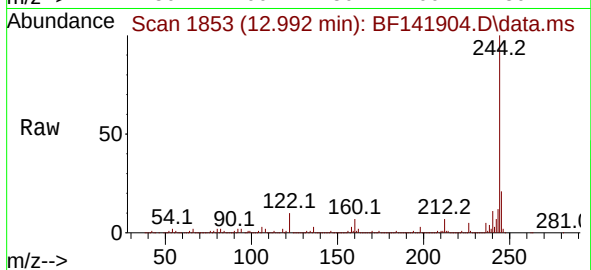
Tgt Ion:244 Resp: 4700026

Ion Ratio Lower Upper

244 100

212 7.4 6.0 9.0

122 9.5 7.7 11.5



#80

Butylbenzylphthalate

Concen: 80.189 ng

RT: 13.463 min Scan# 1933

Delta R.T. 0.000 min

Lab File: BF141904.D

Acq: 10 Mar 2025 14:27

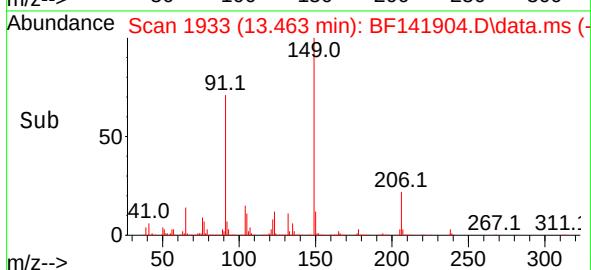
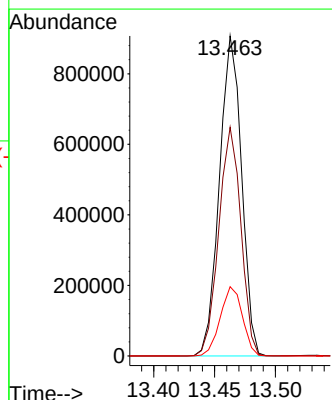
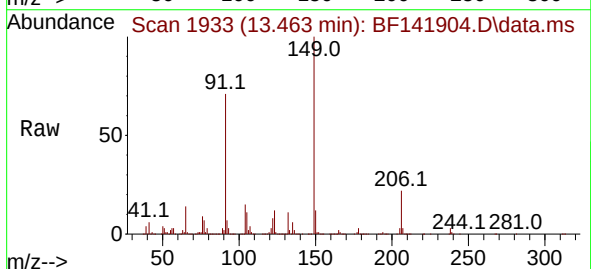
Tgt Ion:149 Resp: 1149989

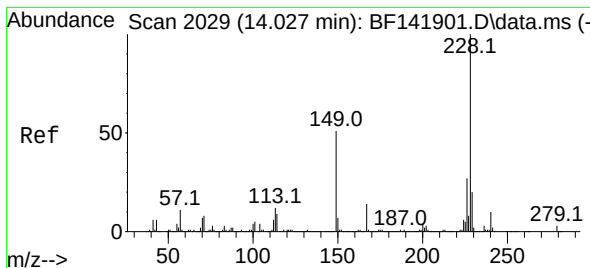
Ion Ratio Lower Upper

149 100

91 71.4 56.5 84.7

206 21.7 17.3 25.9





#81

Benzo(a)anthracene

Concen: 78.692 ng

RT: 14.033 min Scan# 2029

Delta R.T. 0.006 min

Lab File: BF141904.D

Acq: 10 Mar 2025 14:27

Instrument :

BNA_F

ClientSampleId :

SSTDICC080

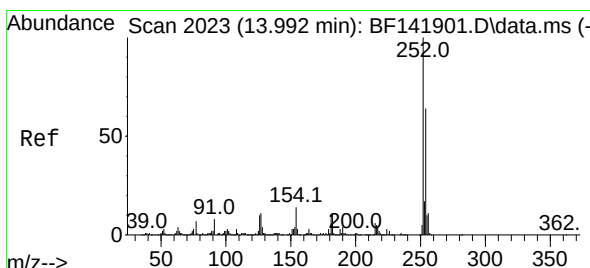
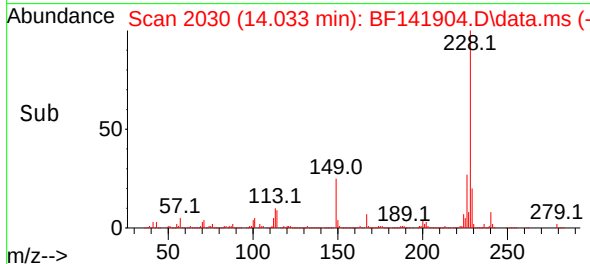
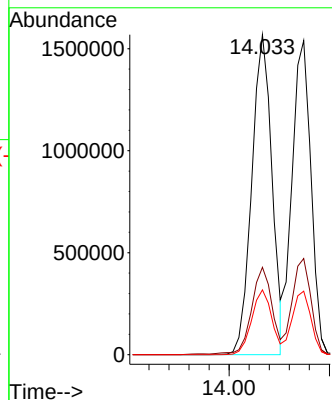
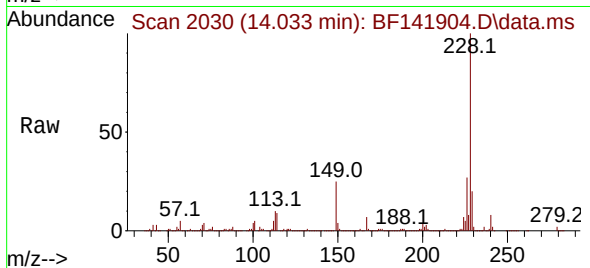
Tgt Ion:228 Resp: 2196935

Ion Ratio Lower Upper

228 100

226 27.3 21.8 32.8

229 20.3 16.0 24.0



#82

3,3'-Dichlorobenzidine

Concen: 80.884 ng

RT: 13.998 min Scan# 2024

Delta R.T. 0.006 min

Lab File: BF141904.D

Acq: 10 Mar 2025 14:27

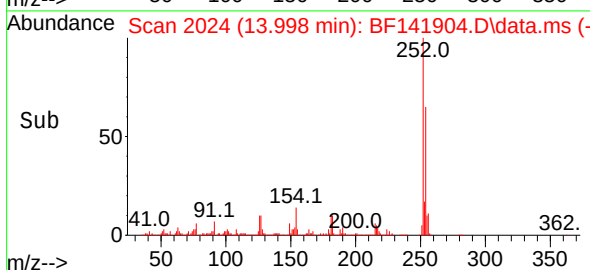
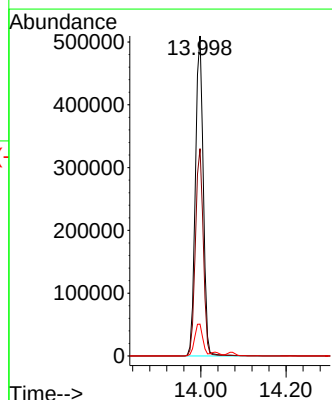
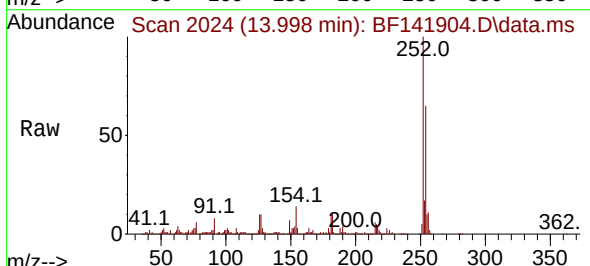
Tgt Ion:252 Resp: 652678

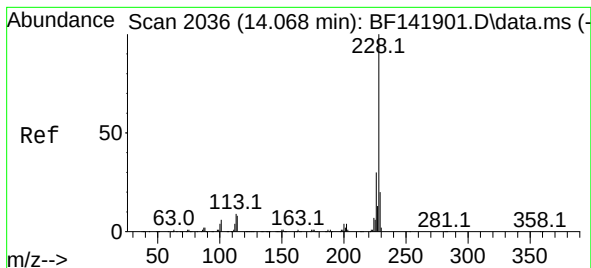
Ion Ratio Lower Upper

252 100

254 64.8 51.0 76.6

126 9.9 8.4 12.6





#83

Chrysene

Concen: 80.498 ng

RT: 14.074 min Scan# 2036

Delta R.T. 0.006 min

Lab File: BF141904.D

Acq: 10 Mar 2025 14:27

Instrument :

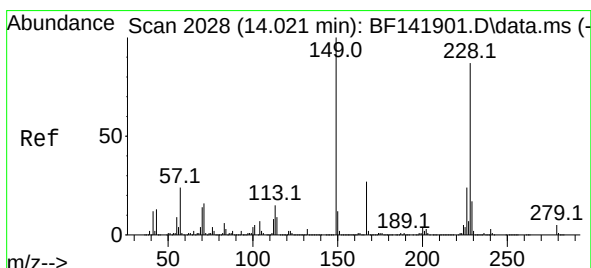
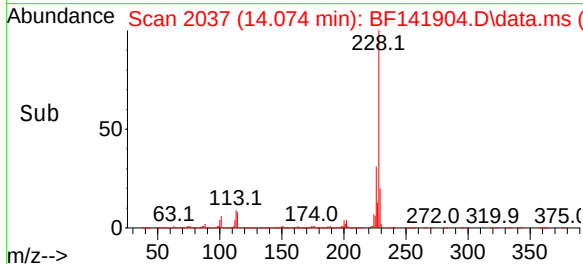
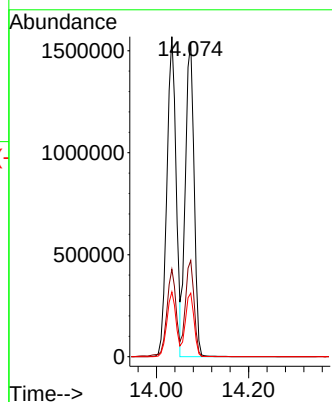
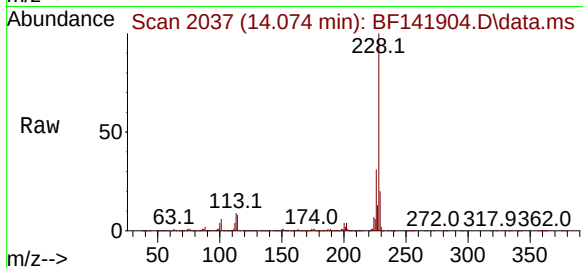
BNA_F

ClientSampleId :

SSTDICC080

Tgt Ion:228 Resp: 2018832

Ion	Ratio	Lower	Upper
228	100		
226	30.6	24.1	36.1
229	20.2	15.7	23.5



#84

Bis(2-ethylhexyl)phthalate

Concen: 79.962 ng

RT: 14.021 min Scan# 2028

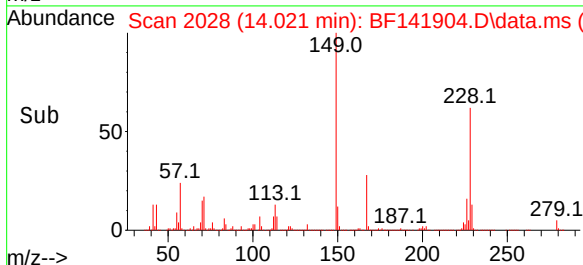
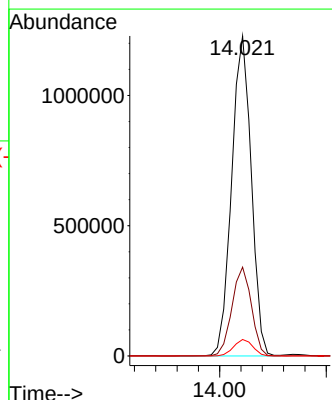
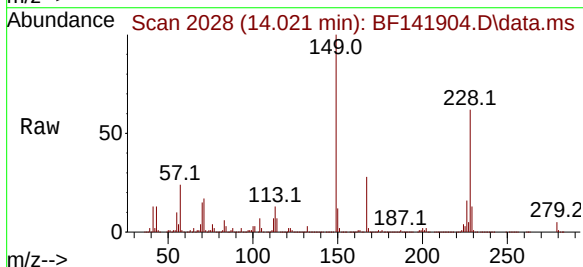
Delta R.T. 0.000 min

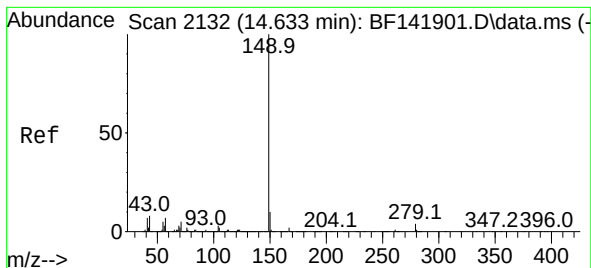
Lab File: BF141904.D

Acq: 10 Mar 2025 14:27

Tgt Ion:149 Resp: 1573231

Ion	Ratio	Lower	Upper
149	100		
167	27.7	21.4	32.0
279	5.2	3.8	5.6

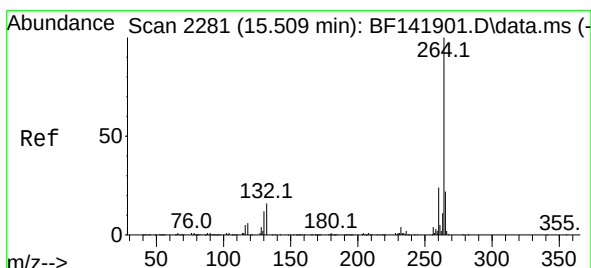
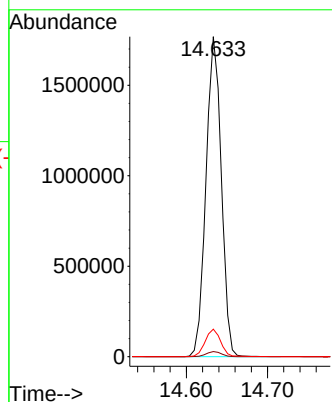
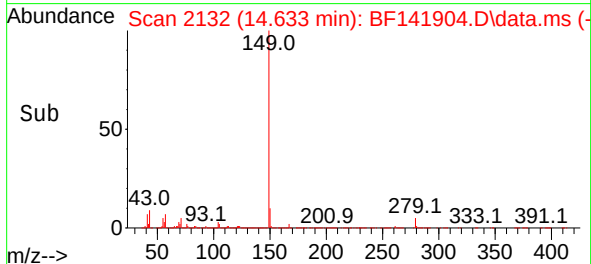
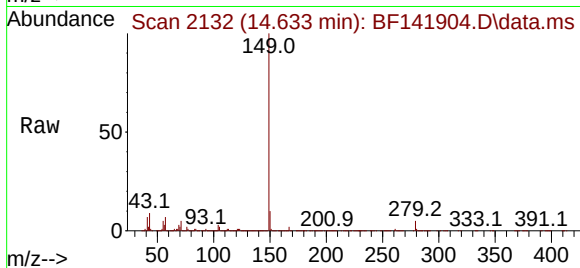




#85
Di-n-octyl phthalate
Concen: 84.386 ng
RT: 14.633 min Scan# 2132
Delta R.T. 0.000 min
Lab File: BF141904.D
Acq: 10 Mar 2025 14:27

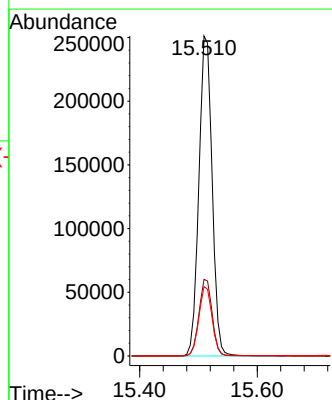
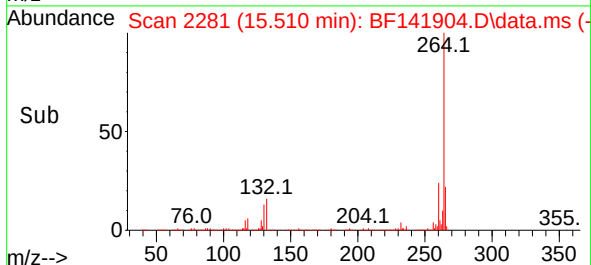
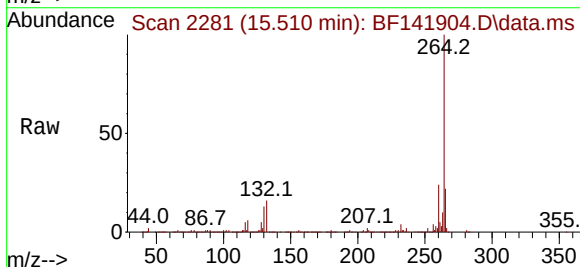
Instrument :
BNA_F
ClientSampleId :
SSTDICC080

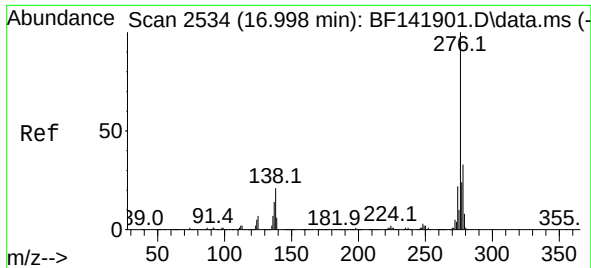
Tgt Ion:149 Resp: 2310836
Ion Ratio Lower Upper
149 100
167 1.6 1.3 1.9
43 8.7 6.9 10.3



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.510 min Scan# 2281
Delta R.T. 0.000 min
Lab File: BF141904.D
Acq: 10 Mar 2025 14:27

Tgt Ion:264 Resp: 391768
Ion Ratio Lower Upper
264 100
260 23.9 19.1 28.7
265 21.7 17.5 26.3

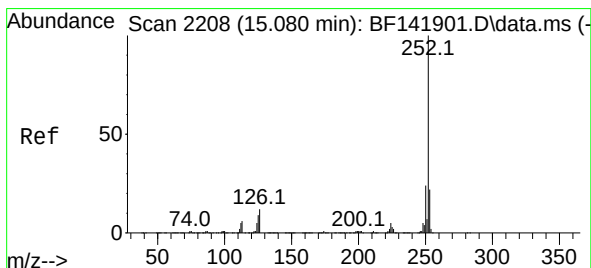
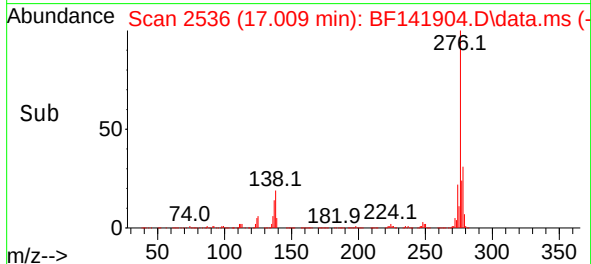
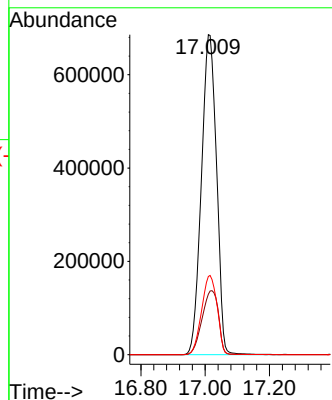
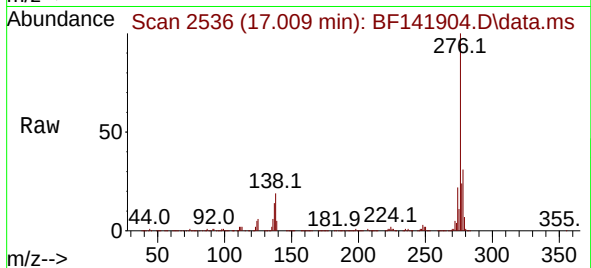




#87
 Indeno(1,2,3-cd)pyrene
 Concen: 88.111 ng
 RT: 17.009 min Scan# 21
 Delta R.T. 0.012 min
 Lab File: BF141904.D
 Acq: 10 Mar 2025 14:27

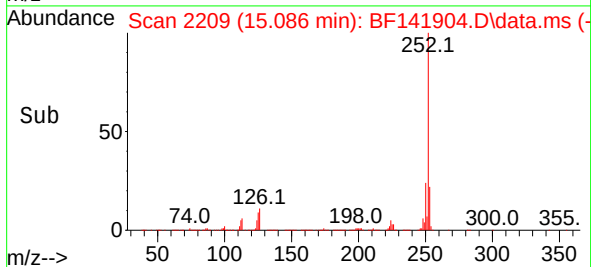
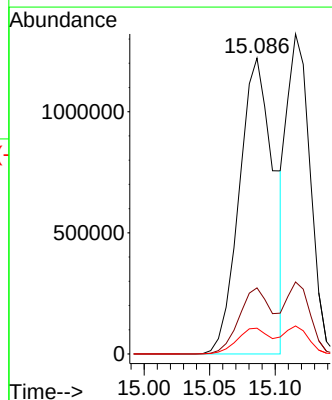
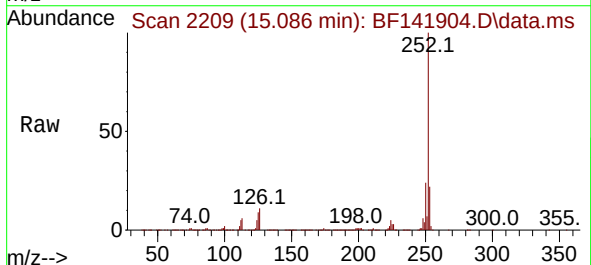
Instrument :
 BNA_F
 ClientSampleId :
 SSTDICC080

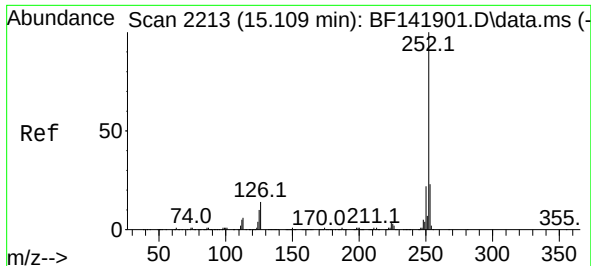
Tgt Ion:276 Resp: 2238588
 Ion Ratio Lower Upper
 276 100
 138 21.6 18.4 27.6
 277 25.5 20.3 30.5



#88
 Benzo(b)fluoranthene
 Concen: 84.536 ng
 RT: 15.086 min Scan# 2209
 Delta R.T. 0.006 min
 Lab File: BF141904.D
 Acq: 10 Mar 2025 14:27

Tgt Ion:252 Resp: 2246428
 Ion Ratio Lower Upper
 252 100
 253 22.3 17.5 26.3
 125 8.7 7.0 10.4





#89

Benzo(k)fluoranthene

Concen: 70.292 ng

RT: 15.116 min Scan# 2214

Delta R.T. 0.006 min

Lab File: BF141904.D

Acq: 10 Mar 2025 14:27

Instrument :

BNA_F

ClientSampleId :

SSTDICC080

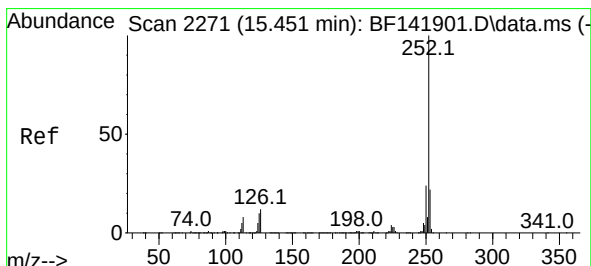
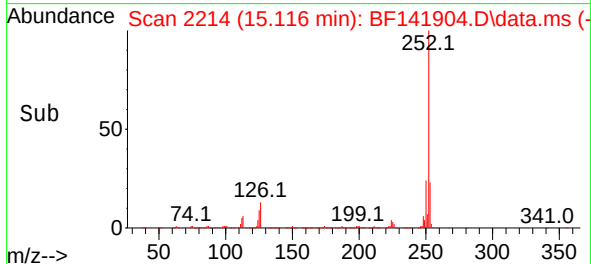
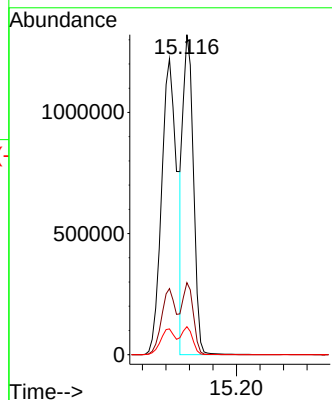
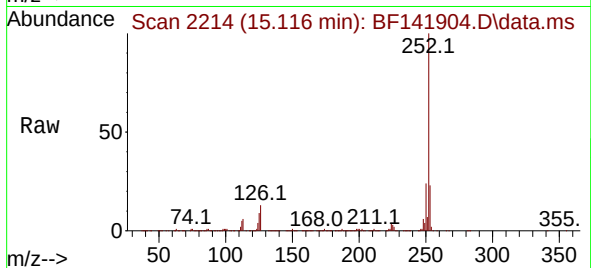
Tgt Ion:252 Resp: 1631675

Ion Ratio Lower Upper

252 100

253 22.5 17.7 26.5

125 8.8 7.2 10.8



#90

Benzo(a)pyrene

Concen: 82.339 ng

RT: 15.457 min Scan# 2272

Delta R.T. 0.006 min

Lab File: BF141904.D

Acq: 10 Mar 2025 14:27

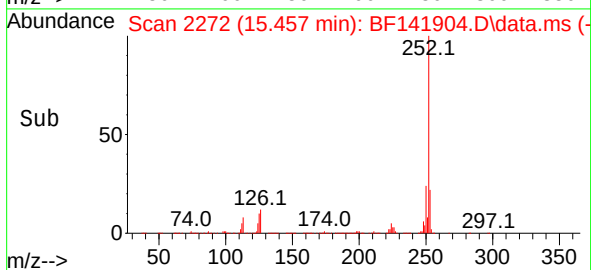
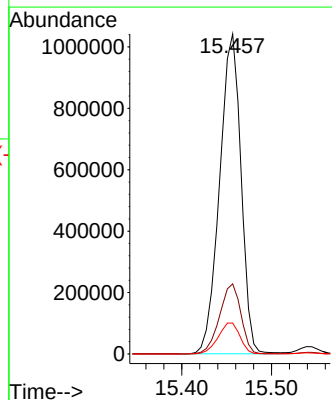
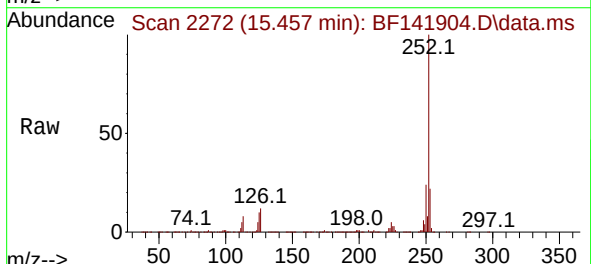
Tgt Ion:252 Resp: 1725632

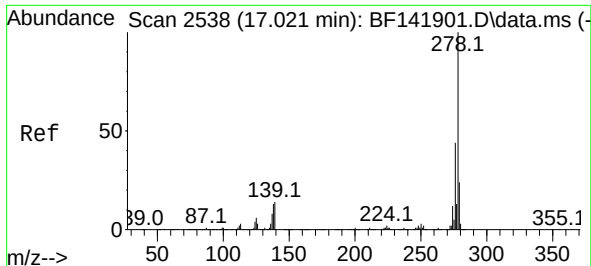
Ion Ratio Lower Upper

252 100

253 21.9 17.4 26.0

125 9.7 7.8 11.8

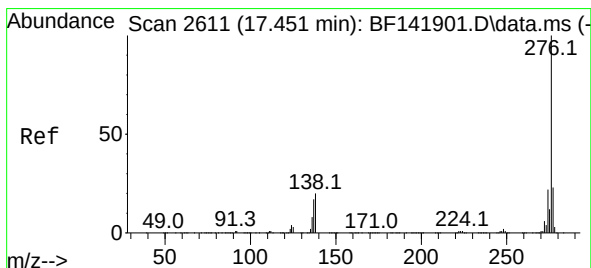
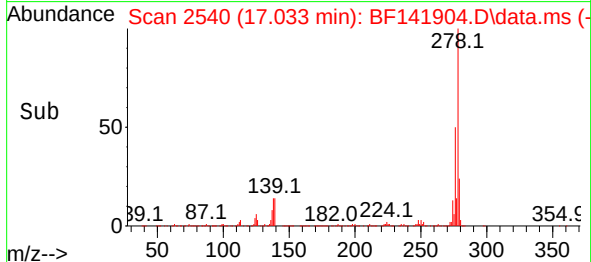
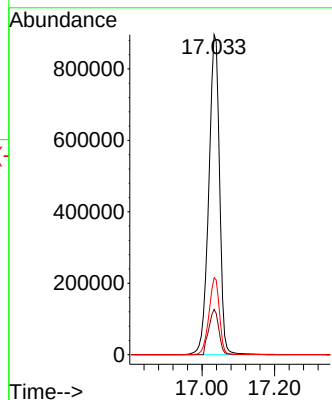
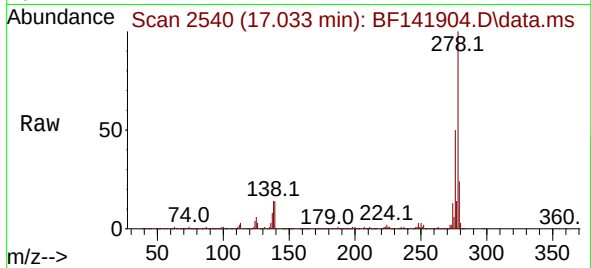




#91
Dibenzo(a,h)anthracene
Concen: 88.098 ng
RT: 17.033 min Scan# 2540
Delta R.T. 0.012 min
Lab File: BF141904.D
Acq: 10 Mar 2025 14:27

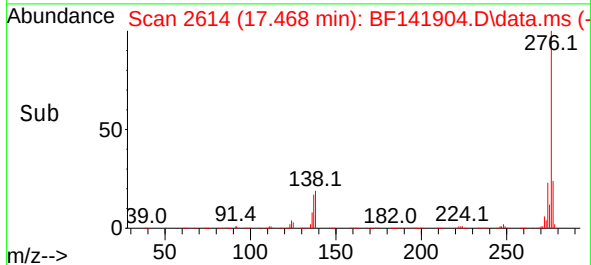
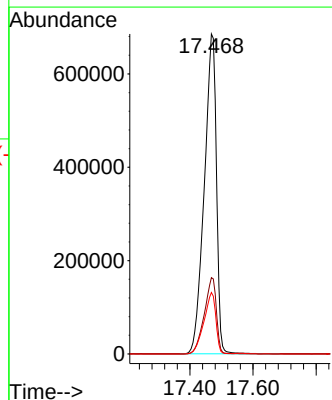
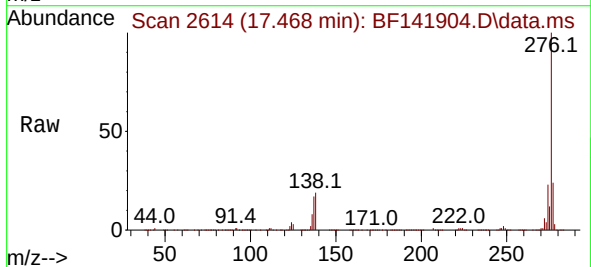
Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:278 Resp: 1846778
Ion Ratio Lower Upper
278 100
139 14.1 11.4 17.2
279 24.1 18.8 28.2



#92
Benzo(g,h,i)perylene
Concen: 87.950 ng
RT: 17.468 min Scan# 2614
Delta R.T. 0.018 min
Lab File: BF141904.D
Acq: 10 Mar 2025 14:27

Tgt Ion:276 Resp: 1828662
Ion Ratio Lower Upper
276 100
277 23.8 18.7 28.1
138 19.2 15.8 23.8



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF031325\
 Data File : BF141941.D
 Acq On : 13 Mar 2025 13:17
 Operator : RC/JU
 Sample : PB167097BS
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PB167097BS

Quant Time: Mar 13 13:42:14 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF031025.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Mar 10 15:46:22 2025
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.875	152	167779	20.000	ng	0.00
21) Naphthalene-d8	8.157	136	666660	20.000	ng	0.00
39) Acenaphthene-d10	9.916	164	381133	20.000	ng	0.00
64) Phenanthrene-d10	11.398	188	657343	20.000	ng	0.00
76) Chrysene-d12	14.039	240	424407	20.000	ng	0.00
86) Perylene-d12	15.504	264	370791	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.510	112	1406671	139.927	ng	0.02
7) Phenol-d6	6.504	99	1754393	137.067	ng	0.00
23) Nitrobenzene-d5	7.439	82	1168111	98.606	ng	0.00
42) 2,4,6-Tribromophenol	10.704	330	773860	160.048	ng	0.00
45) 2-Fluorobiphenyl	9.233	172	2451144	97.806	ng	0.00
79) Terphenyl-d14	12.986	244	3018229	105.142	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	2.787	88	183786	43.632	ng	99
3) Pyridine	3.534	79	435363	42.136	ng	100
4) n-Nitrosodimethylamine	3.481	42	219416	44.549	ng	97
6) Aniline	6.539	93	455935	36.109	ng	99
8) 2-Chlorophenol	6.663	128	522369	46.852	ng	99
9) Benzaldehyde	6.428	77	161518	22.563	ng	99
10) Phenol	6.516	94	616143	45.757	ng	96
11) bis(2-Chloroethyl)ether	6.616	93	460406	45.535	ng	98
12) 1,3-Dichlorobenzene	6.816	146	549049	45.613	ng	100
13) 1,4-Dichlorobenzene	6.892	146	558151	45.829	ng	99
14) 1,2-Dichlorobenzene	7.045	146	535333	46.667	ng	99
15) Benzyl Alcohol	7.016	79	464922	44.930	ng	99
16) 2,2'-oxybis(1-Chloropr...	7.151	45	521817	42.748	ng	99
17) 2-Methylphenol	7.128	107	413870	46.686	ng	98
18) Hexachloroethane	7.392	117	206331	45.179	ng	94
19) n-Nitroso-di-n-propyla...	7.292	70	356374	43.331	ng	99
20) 3+4-Methylphenols	7.281	107	525851	46.311	ng	# 81
22) Acetophenone	7.286	105	794019	49.735	ng	98
24) Nitrobenzene	7.457	77	540933	45.933	ng	100
25) Isophorone	7.698	82	992286	47.387	ng	100
26) 2-Nitrophenol	7.775	139	274315	47.460	ng	100
27) 2,4-Dimethylphenol	7.804	122	458082	57.557	ng	99
28) bis(2-Chloroethoxy)met...	7.904	93	584252	44.484	ng	100
29) 2,4-Dichlorophenol	8.010	162	454991	46.058	ng	100
30) 1,2,4-Trichlorobenzene	8.098	180	489377	44.952	ng	100
31) Naphthalene	8.181	128	1521001	44.415	ng	100
32) Benzoic acid	7.928	122	368882	52.727	ng	99
33) 4-Chloroaniline	8.222	127	189925	15.710	ng	98
34) Hexachlorobutadiene	8.298	225	330110	46.496	ng	99
35) Caprolactam	8.598	113	80497	26.727	ng	93
36) 4-Chloro-3-methylphenol	8.704	107	506070	45.924	ng	100
37) 2-Methylnaphthalene	8.869	142	984016	42.989	ng	98
38) 1-Methylnaphthalene	8.969	142	975143	44.147	ng	100
40) 1,2,4,5-Tetrachloroben...	9.039	216	589567	50.807	ng	98
41) Hexachlorocyclopentadiene	9.022	237	787647	173.440	ng	100
43) 2,4,6-Trichlorophenol	9.145	196	373446	49.244	ng	100

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 Data File : BF141941.D
 Acq On : 13 Mar 2025 13:17
 Operator : RC/JU
 Sample : PB167097BS
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PB167097BS

Quant Time: Mar 13 13:42:14 2025
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 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Mar 10 15:46:22 2025
 Response via : Initial Calibration

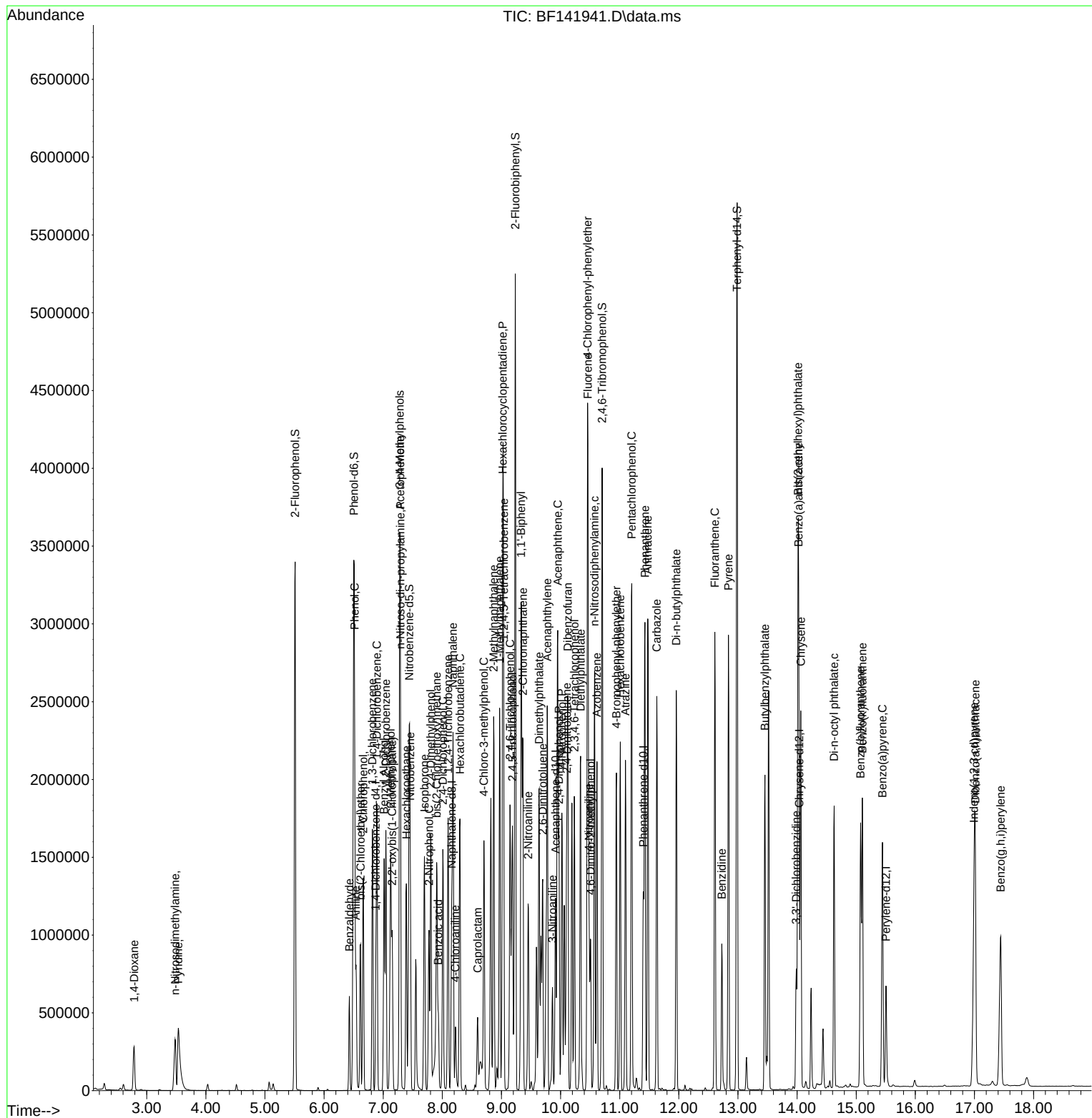
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44) 2,4,5-Trichlorophenol	9.186	196	348841	45.418	ng	100
46) 1,1'-Biphenyl	9.333	154	1455375	50.256	ng	100
47) 2-Chloronaphthalene	9.363	162	993605	46.033	ng	99
48) 2-Nitroaniline	9.451	65	295534	47.288	ng	97
49) Acenaphthylene	9.775	152	1553482	48.500	ng	100
50) Dimethylphthalate	9.639	163	1224816	45.891	ng	100
51) 2,6-Dinitrotoluene	9.698	165	259612	46.717	ng	96
52) Acenaphthene	9.951	154	1170255	51.989	ng	98
53) 3-Nitroaniline	9.863	138	143947	25.536	ng	100
54) 2,4-Dinitrophenol	9.975	184	318705	99.219	ng	# 46
55) Dibenzofuran	10.122	168	1417170	44.061	ng	99
56) 4-Nitrophenol	10.022	139	439494	103.387	ng	98
57) 2,4-Dinitrotoluene	10.104	165	361052	49.745	ng	99
58) Fluorene	10.463	166	1147740	46.273	ng	99
59) 2,3,4,6-Tetrachlorophenol	10.233	232	323625	46.303	ng	100
60) Diethylphthalate	10.339	149	1194423	44.881	ng	99
61) 4-Chlorophenyl-phenyle...	10.457	204	597749	46.224	ng	96
62) 4-Nitroaniline	10.480	138	256469	46.734	ng	99
63) Azobenzene	10.616	77	1083805	43.803	ng	98
65) 4,6-Dinitro-2-methylph...	10.510	198	199851	50.999	ng	97
66) n-Nitrosodiphenylamine	10.574	169	997450	46.890	ng	100
67) 4-Bromophenyl-phenylether	10.945	248	382756	46.364	ng	97
68) Hexachlorobenzene	11.010	284	437639	48.335	ng	96
69) Atrazine	11.098	200	402029	61.650	ng	99
70) Pentachlorophenol	11.204	266	557370	99.911	ng	99
71) Phenanthrene	11.427	178	1669056	47.009	ng	100
72) Anthracene	11.474	178	1712956	48.088	ng	100
73) Carbazole	11.627	167	1439856	46.870	ng	100
74) Di-n-butylphthalate	11.957	149	1842392	45.199	ng	100
75) Fluoranthene	12.610	202	1728401	45.891	ng	100
77) Benzidine	12.727	184	500180	84.472	ng	100
78) Pyrene	12.839	202	1719348	46.834	ng	100
80) Butylbenzylphthalate	13.457	149	660564	45.971	ng	99
81) Benzo(a)anthracene	14.027	228	1314815	47.211	ng	100
82) 3,3'-Dichlorobenzidine	13.986	252	227079	28.215	ng	100
83) Chrysene	14.062	228	1167619	46.252	ng	100
84) Bis(2-ethylhexyl)phtha...	14.015	149	882521	44.545	ng	100
85) Di-n-octyl phthalate	14.627	149	1244287	45.138	ng	99
87) Indeno(1,2,3-cd)pyrene	16.992	276	1228415	51.214	ng	98
88) Benzo(b)fluoranthene	15.074	252	1177030	46.317	ng	100
89) Benzo(k)fluoranthene	15.104	252	942444	43.336	ng	100
90) Benzo(a)pyrene	15.445	252	996055	50.093	ng	99
91) Dibenzo(a,h)anthracene	17.015	278	1005280	50.797	ng	99
92) Benzo(g,h,i)perylene	17.445	276	938047	47.965	ng	98

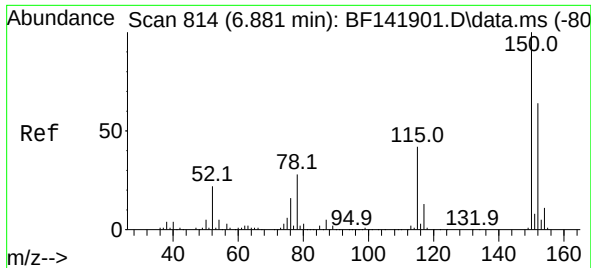
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Data File : BF141941.D
Acq On : 13 Mar 2025 13:17
Operator : RC/JU
Sample : PB167097BS
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PB167097BS

Quant Time: Mar 13 13:42:14 2025
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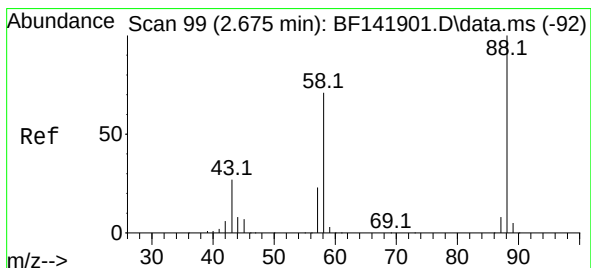
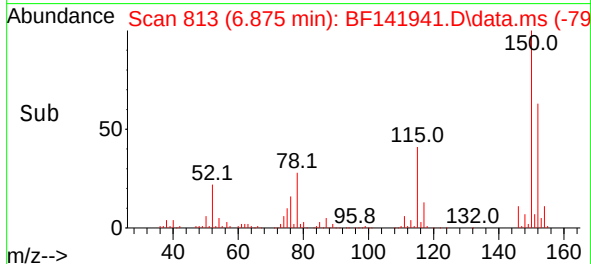
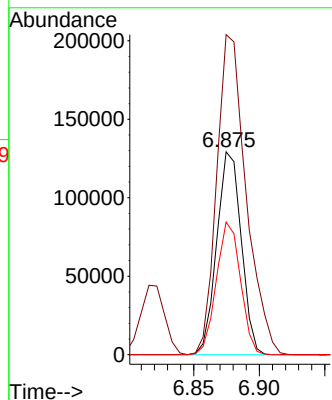
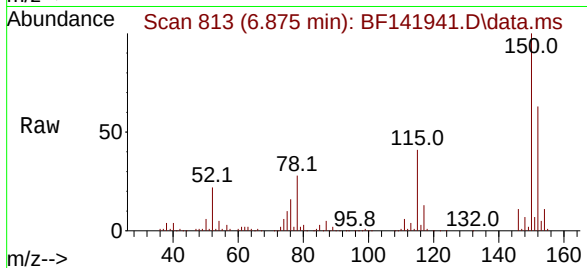




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.875 min Scan# 814
Delta R.T. -0.006 min
Lab File: BF141941.D
Acq: 13 Mar 2025 13:17

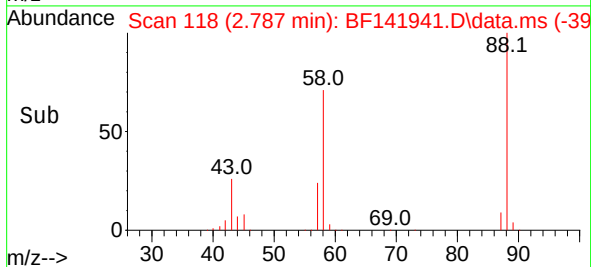
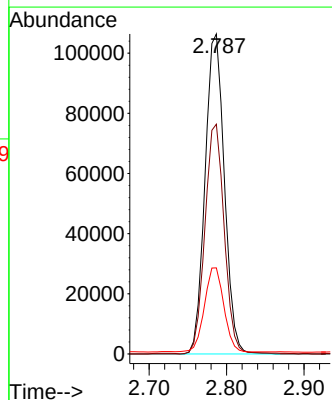
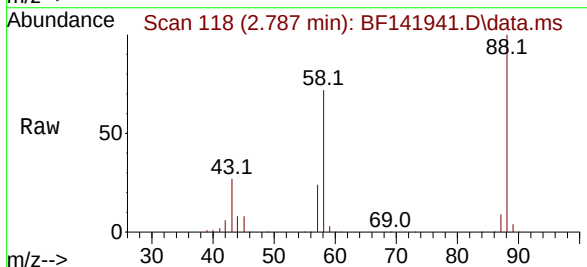
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BNA_F
ClientSampleId :
PB167097BS

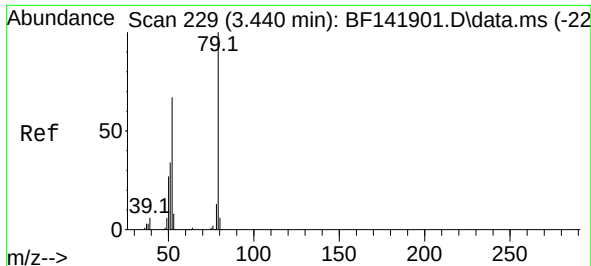
Tgt Ion:152 Resp: 167779
Ion Ratio Lower Upper
152 100
150 157.7 127.4 191.2
115 65.4 51.9 77.9



#2
1,4-Dioxane
Concen: 43.632 ng
RT: 2.787 min Scan# 118
Delta R.T. 0.112 min
Lab File: BF141941.D
Acq: 13 Mar 2025 13:17

Tgt Ion: 88 Resp: 183786
Ion Ratio Lower Upper
88 100
58 72.1 57.4 86.2
43 26.3 21.5 32.3





#3

Pyridine

Concen: 42.136 ng

RT: 3.534 min Scan# 245

Delta R.T. 0.094 min

Lab File: BF141941.D

Acq: 13 Mar 2025 13:17

Instrument :

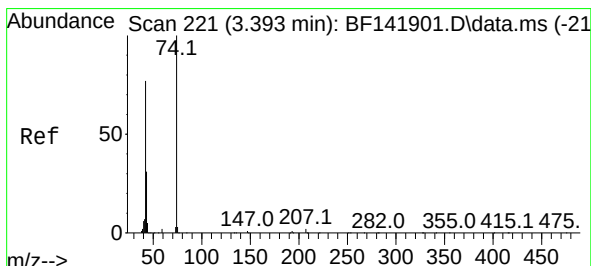
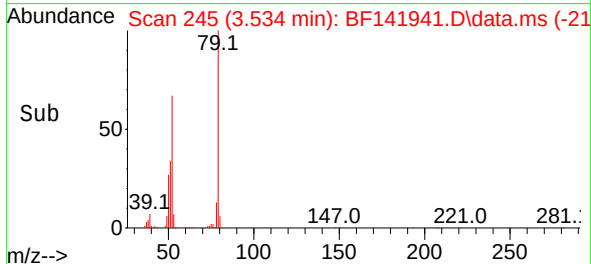
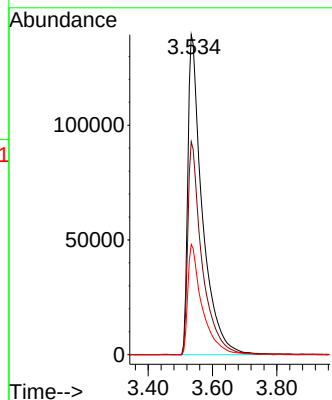
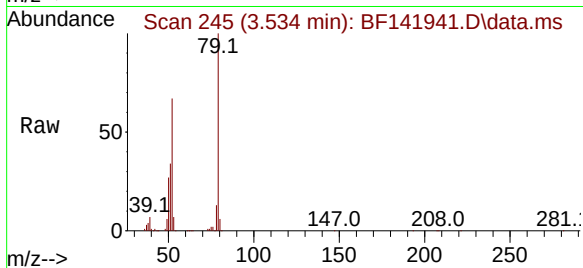
BNA_F

ClientSampleId :

PB167097BS

Tgt Ion: 79 Resp: 435363

Ion	Ratio	Lower	Upper
79	100		
52	66.5	53.3	79.9
51	34.5	27.6	41.4



#4

n-Nitrosodimethylamine

Concen: 44.549 ng

RT: 3.481 min Scan# 236

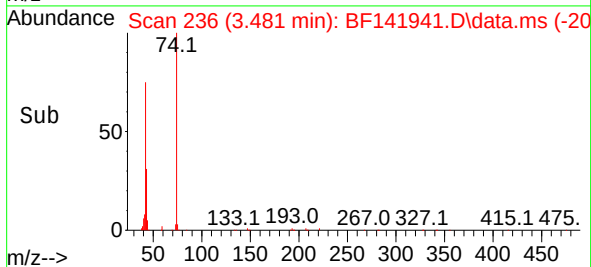
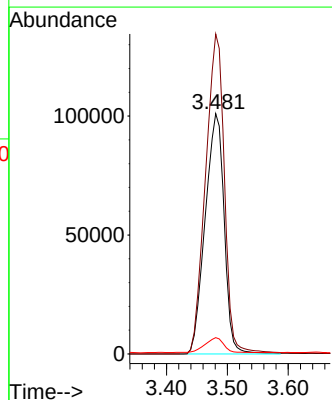
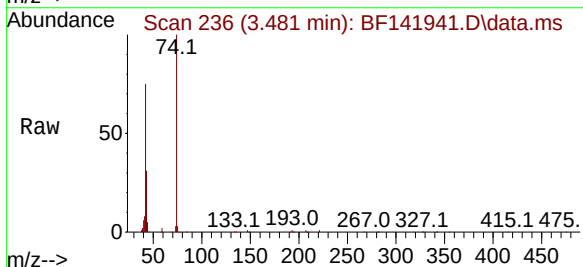
Delta R.T. 0.088 min

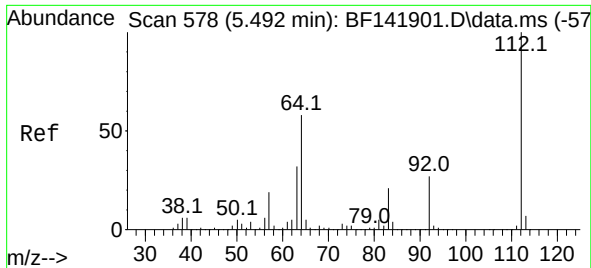
Lab File: BF141941.D

Acq: 13 Mar 2025 13:17

Tgt Ion: 42 Resp: 219416

Ion	Ratio	Lower	Upper
42	100		
74	133.1	103.4	155.0
44	6.8	5.0	7.4

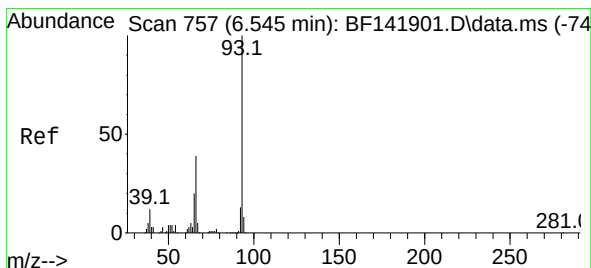
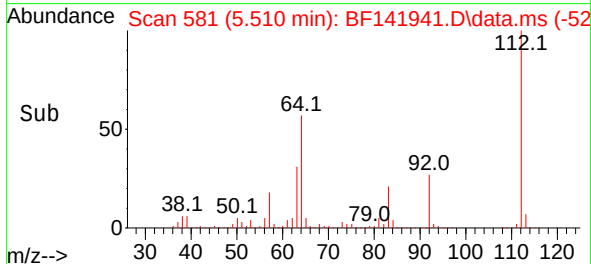
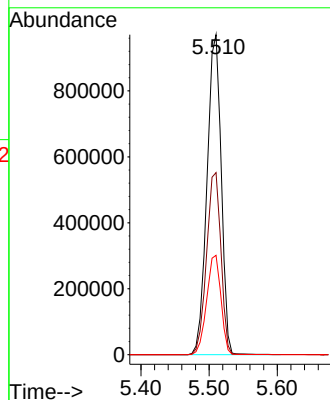
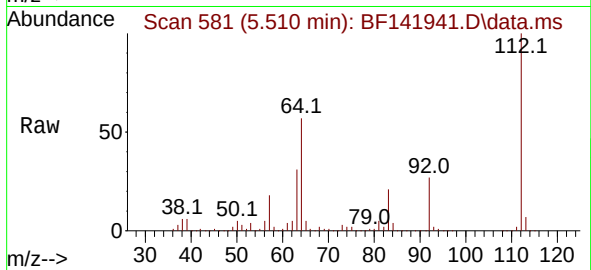




#5
2-Fluorophenol
Concen: 139.927 ng
RT: 5.510 min Scan# 51
Delta R.T. 0.018 min
Lab File: BF141941.D
Acq: 13 Mar 2025 13:17

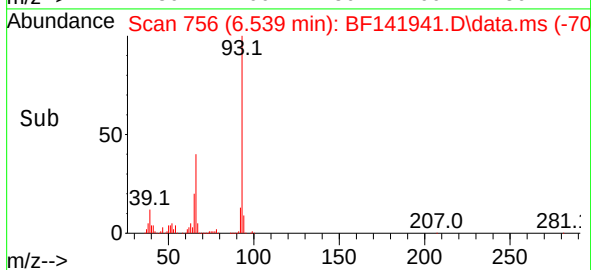
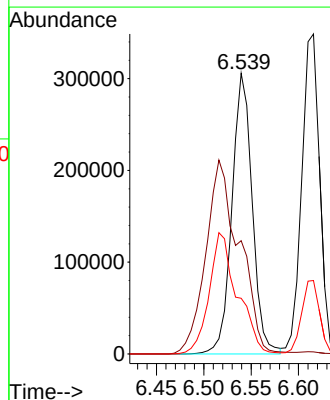
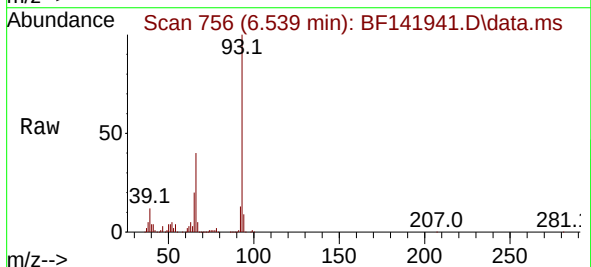
Instrument :
BNA_F
ClientSampleId :
PB167097BS

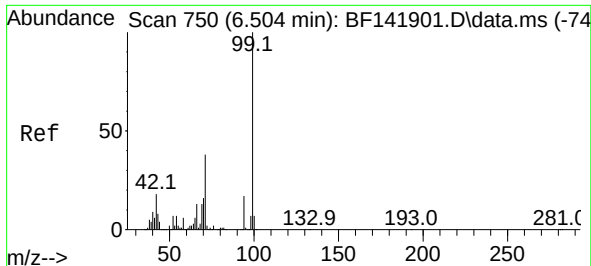
Tgt Ion:112 Resp: 1406671
Ion Ratio Lower Upper
112 100
64 56.9 46.5 69.7
63 31.0 25.4 38.2



#6
Aniline
Concen: 36.109 ng
RT: 6.539 min Scan# 756
Delta R.T. -0.006 min
Lab File: BF141941.D
Acq: 13 Mar 2025 13:17

Tgt Ion: 93 Resp: 455935
Ion Ratio Lower Upper
93 100
66 40.4 31.9 47.9
65 19.8 15.8 23.6

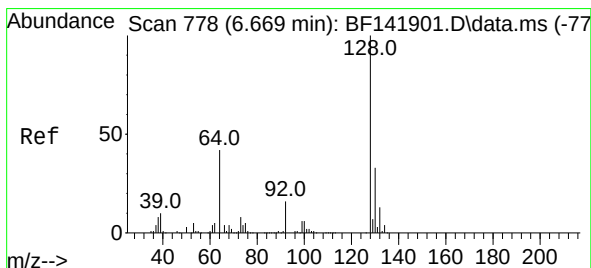
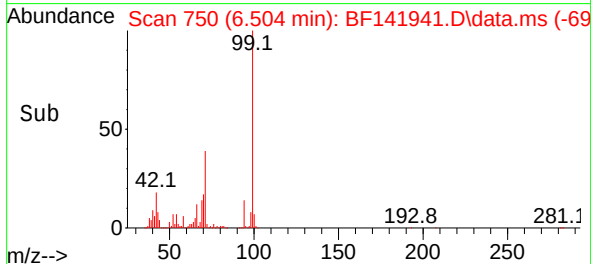
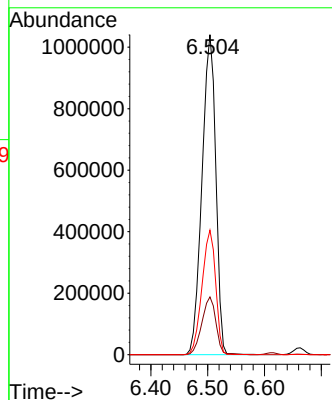
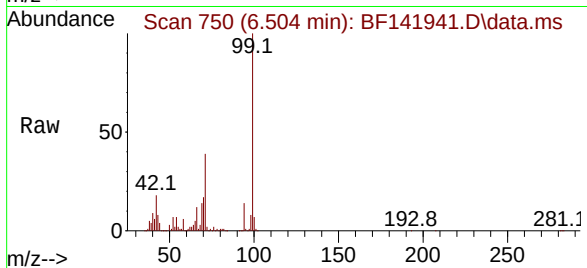




#7
Phenol-d6
Concen: 137.067 ng
RT: 6.504 min Scan# 750
Delta R.T. 0.000 min
Lab File: BF141941.D
Acq: 13 Mar 2025 13:17

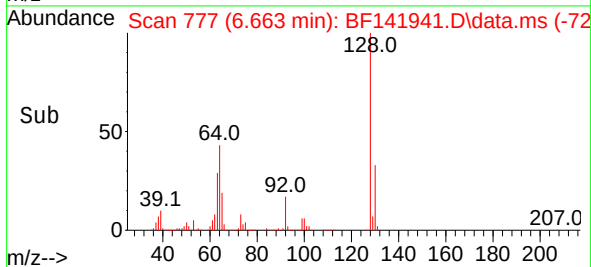
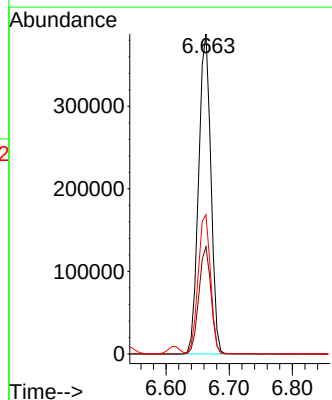
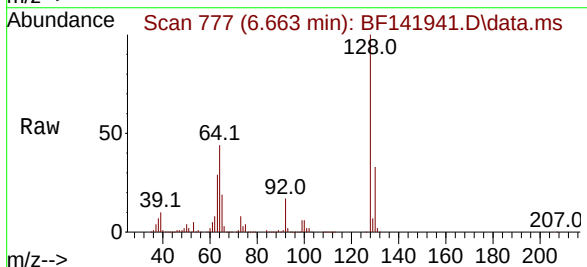
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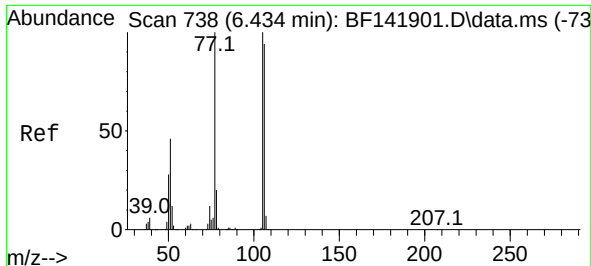
Tgt Ion: 99 Resp: 1754393
Ion Ratio Lower Upper
99 100
42 18.0 14.6 21.8
71 38.9 30.8 46.2



#8
2-Chlorophenol
Concen: 46.852 ng
RT: 6.663 min Scan# 777
Delta R.T. -0.006 min
Lab File: BF141941.D
Acq: 13 Mar 2025 13:17

Tgt Ion:128 Resp: 522369
Ion Ratio Lower Upper
128 100
130 33.5 12.8 52.8
64 43.5 24.4 64.4

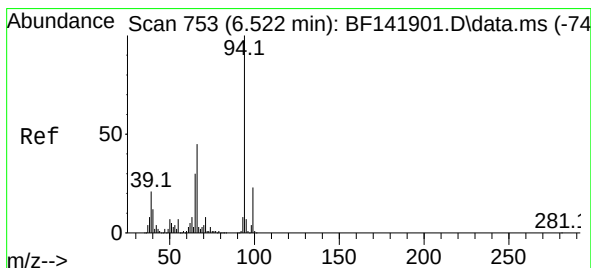
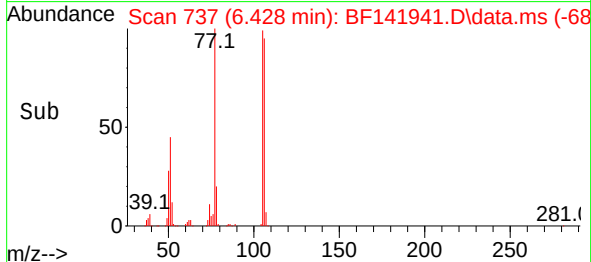
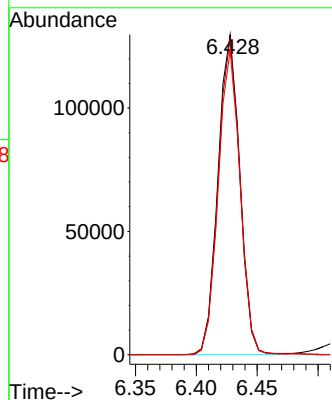
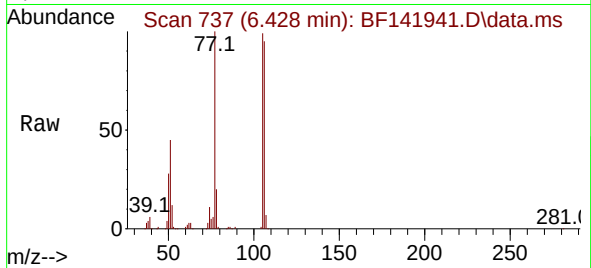




#9
Benzaldehyde
Concen: 22.563 ng
RT: 6.428 min Scan# 741
Delta R.T. -0.006 min
Lab File: BF141941.D
Acq: 13 Mar 2025 13:17

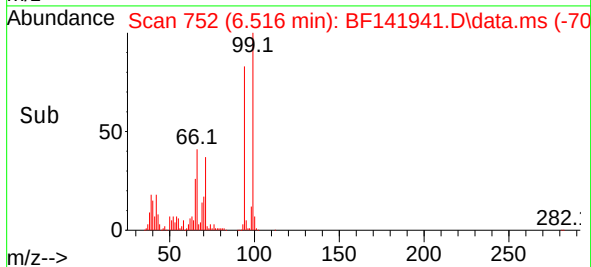
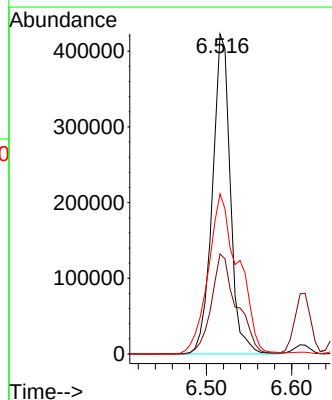
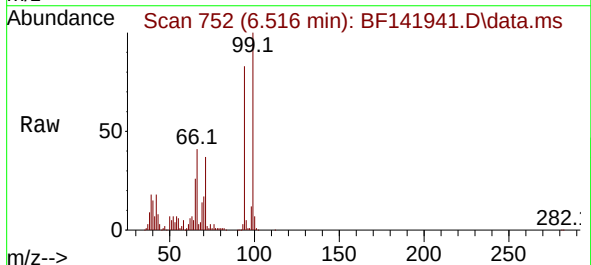
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BNA_F
ClientSampleId :
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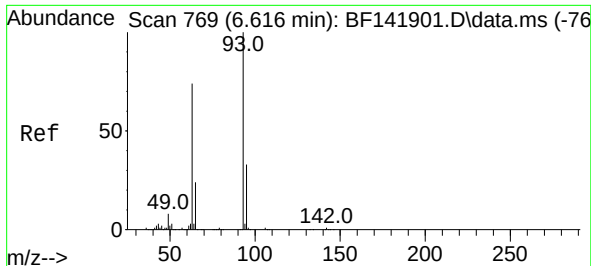
Tgt Ion: 77 Resp: 161518
Ion Ratio Lower Upper
77 100
105 98.8 80.0 120.0
106 95.0 74.5 114.5



#10
Phenol
Concen: 45.757 ng
RT: 6.516 min Scan# 752
Delta R.T. -0.006 min
Lab File: BF141941.D
Acq: 13 Mar 2025 13:17

Tgt Ion: 94 Resp: 616143
Ion Ratio Lower Upper
94 100
65 31.2 10.5 50.5
66 50.0 25.8 65.8





#11

bis(2-Chloroethyl)ether

Concen: 45.535 ng

RT: 6.616 min Scan# 769

Delta R.T. 0.000 min

Lab File: BF141941.D

Acq: 13 Mar 2025 13:17

Instrument :

BNA_F

ClientSampleId :

PB167097BS

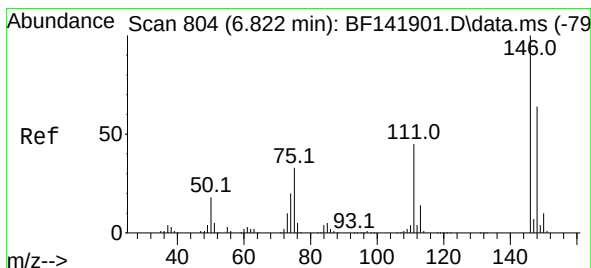
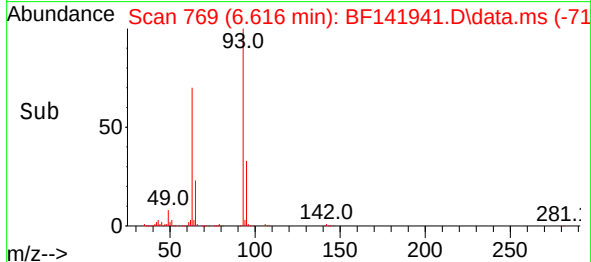
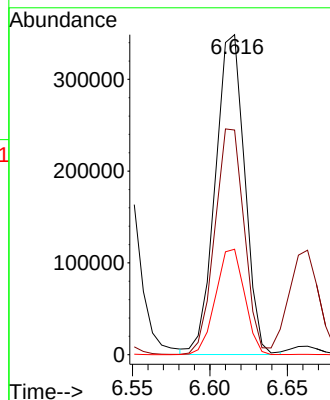
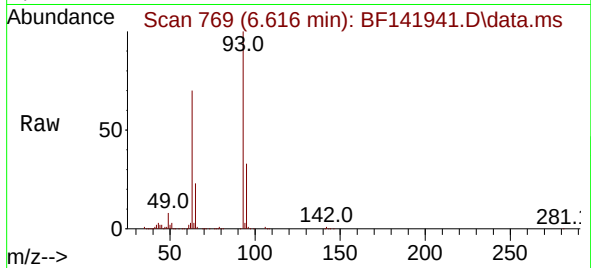
Tgt Ion: 93 Resp: 460406

Ion Ratio Lower Upper

93 100

63 70.2 53.0 93.0

95 32.9 12.9 52.9



#12

1,3-Dichlorobenzene

Concen: 45.613 ng

RT: 6.816 min Scan# 803

Delta R.T. -0.006 min

Lab File: BF141941.D

Acq: 13 Mar 2025 13:17

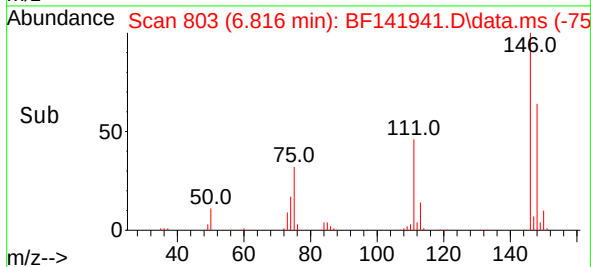
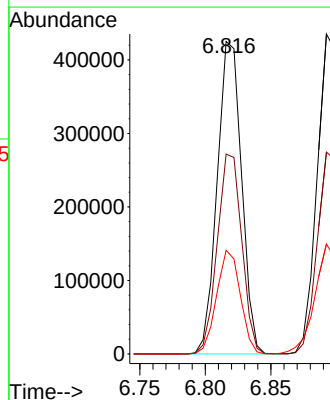
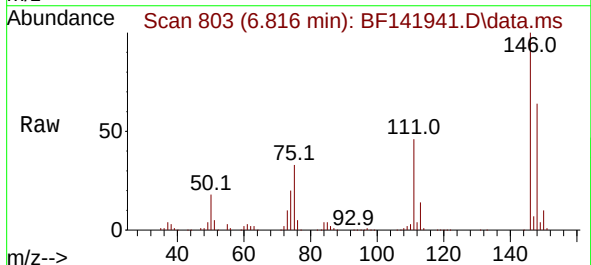
Tgt Ion:146 Resp: 549049

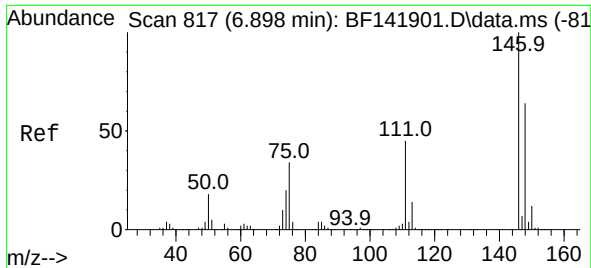
Ion Ratio Lower Upper

146 100

148 64.0 51.3 76.9

75 33.2 26.6 40.0

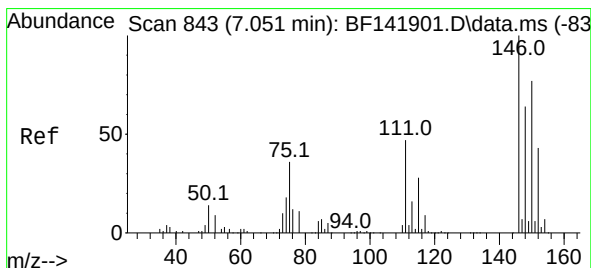
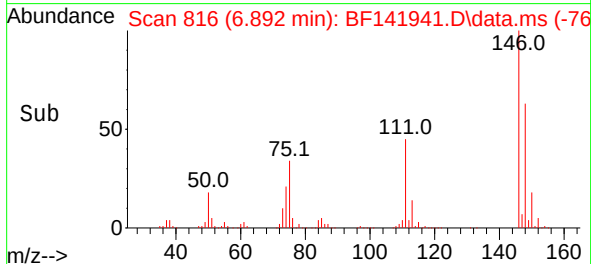
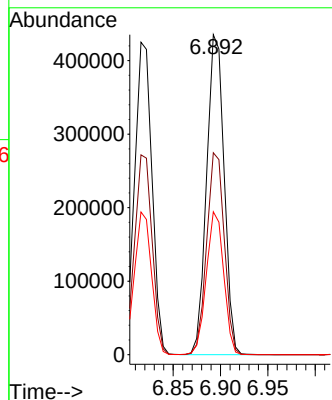
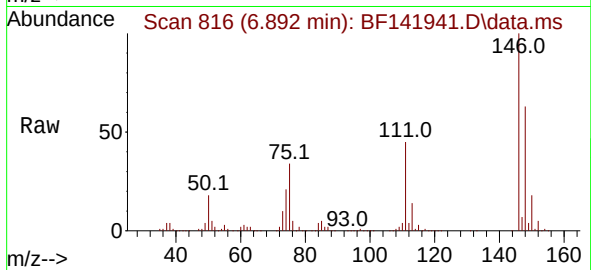




#13
1,4-Dichlorobenzene
Concen: 45.829 ng
RT: 6.892 min Scan# 81
Delta R.T. -0.006 min
Lab File: BF141941.D
Acq: 13 Mar 2025 13:17

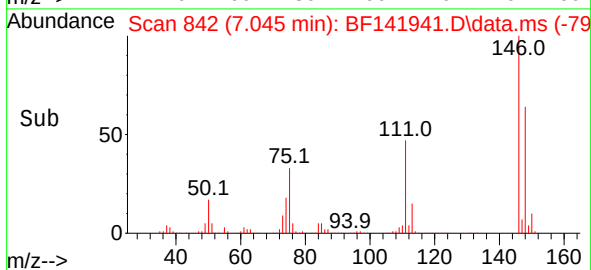
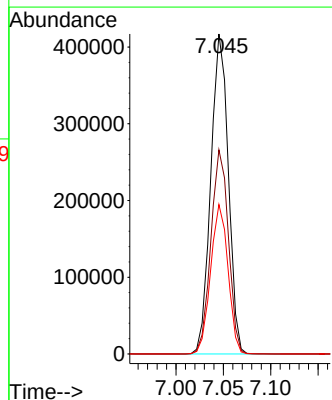
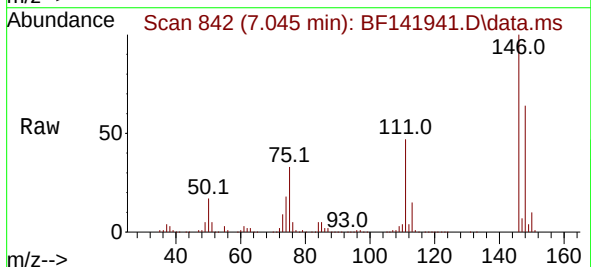
Instrument :
BNA_F
ClientSampleId :
PB167097BS

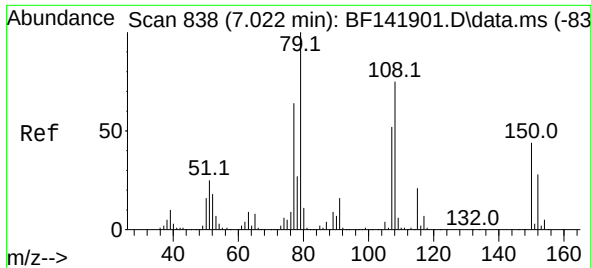
Tgt Ion:146 Resp: 558151
Ion Ratio Lower Upper
146 100
148 63.1 51.0 76.6
111 44.7 35.7 53.5



#14
1,2-Dichlorobenzene
Concen: 46.667 ng
RT: 7.045 min Scan# 842
Delta R.T. -0.006 min
Lab File: BF141941.D
Acq: 13 Mar 2025 13:17

Tgt Ion:146 Resp: 535333
Ion Ratio Lower Upper
146 100
148 63.8 50.8 76.2
111 46.7 38.0 57.0

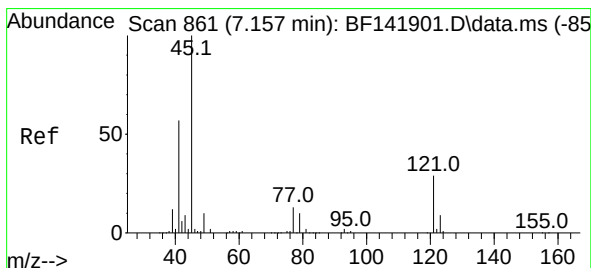
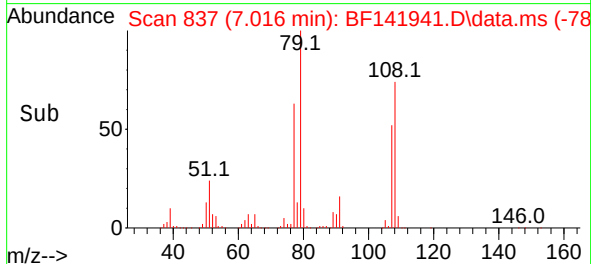
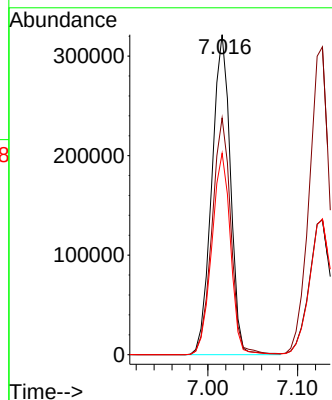
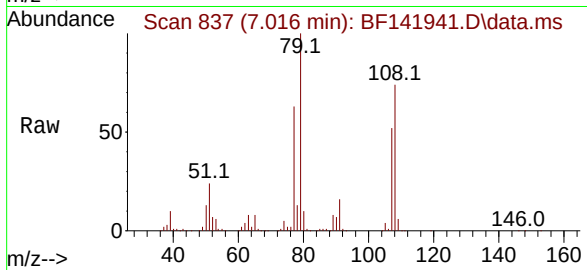




#15
Benzyl Alcohol
Concen: 44.930 ng
RT: 7.016 min Scan# 841
Delta R.T. -0.006 min
Lab File: BF141941.D
Acq: 13 Mar 2025 13:17

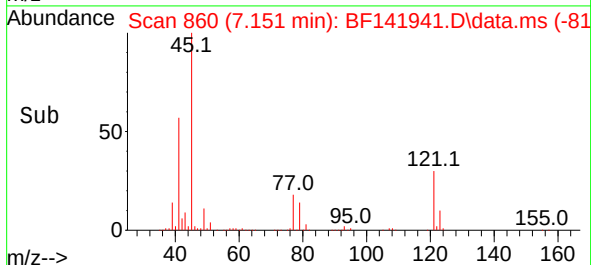
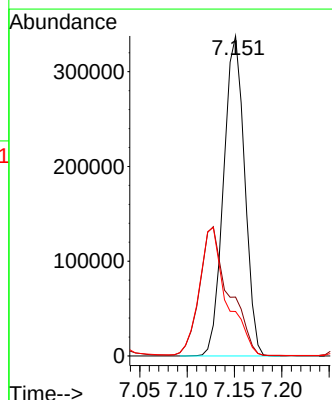
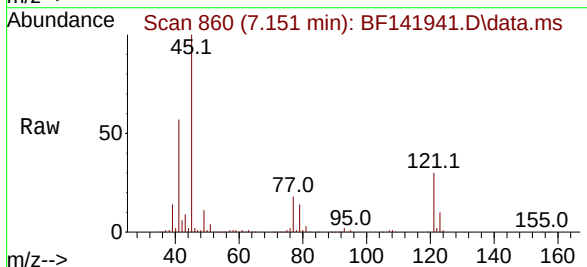
Instrument :
BNA_F
ClientSampleId :
PB167097BS

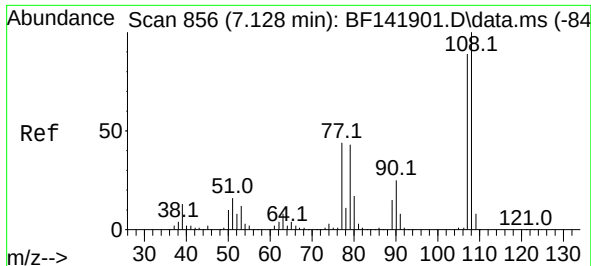
Tgt Ion: 79 Resp: 464922
Ion Ratio Lower Upper
79 100
108 74.0 59.7 89.5
77 63.0 51.0 76.6



#16
2,2'-oxybis(1-chloropropane)
Concen: 42.748 ng
RT: 7.151 min Scan# 860
Delta R.T. -0.006 min
Lab File: BF141941.D
Acq: 13 Mar 2025 13:17

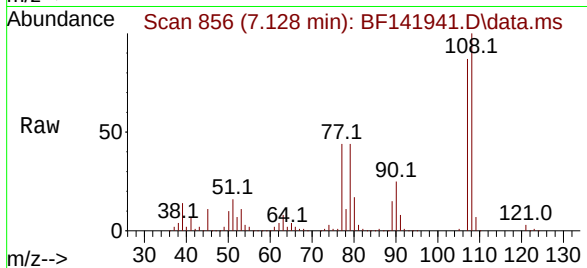
Tgt Ion: 45 Resp: 521817
Ion Ratio Lower Upper
45 100
77 18.4 0.0 37.8
79 13.9 0.0 34.2



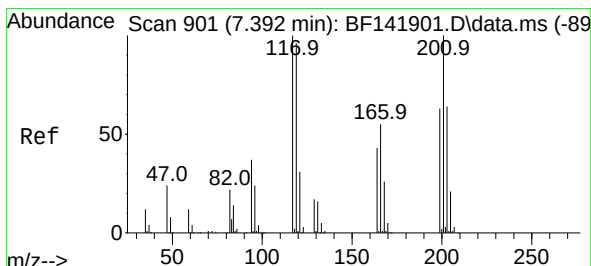
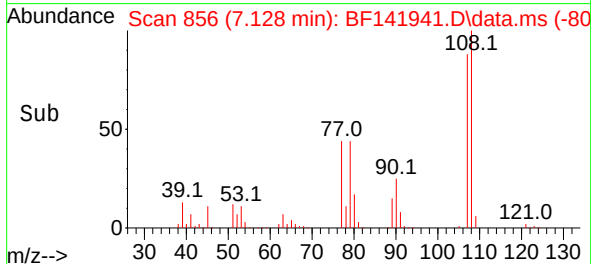
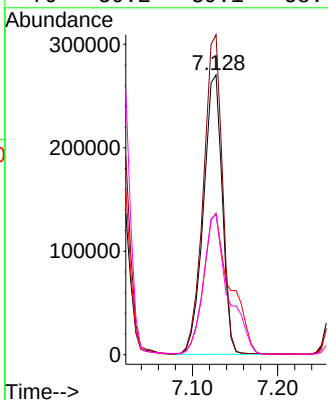


#17
2-Methylphenol
Concen: 46.686 ng
RT: 7.128 min Scan# 856
Delta R.T. 0.000 min
Lab File: BF141941.D
Acq: 13 Mar 2025 13:17

Instrument :
BNA_F
ClientSampleId :
PB167097BS

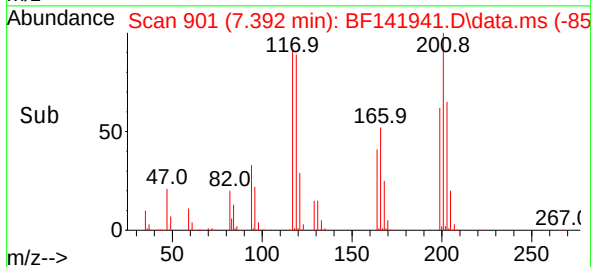
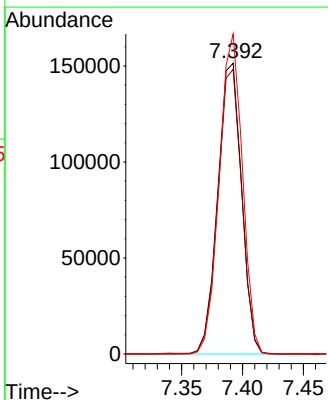
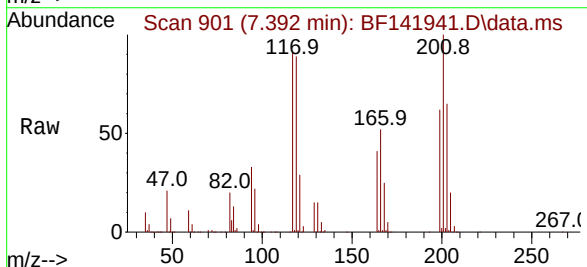


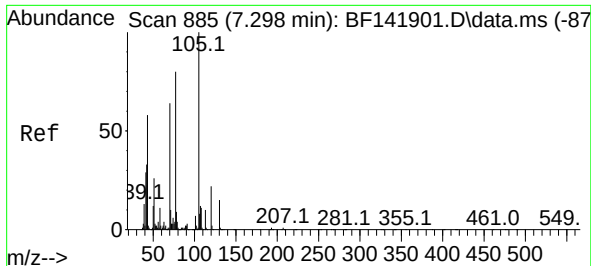
Tgt Ion:	107	Resp:	413870
Ion	Ratio	Lower	Upper
107	100		
108	114.4	90.2	135.2
77	50.5	39.6	59.4
79	50.2	39.1	58.7



#18
Hexachloroethane
Concen: 45.179 ng
RT: 7.392 min Scan# 901
Delta R.T. 0.000 min
Lab File: BF141941.D
Acq: 13 Mar 2025 13:17

Tgt Ion:	117	Resp:	206331
Ion	Ratio	Lower	Upper
117	100		
119	97.9	76.9	115.3
201	110.1	79.9	119.9



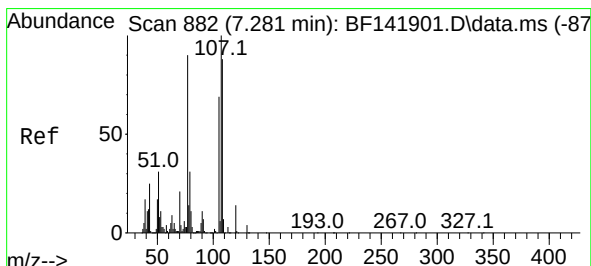
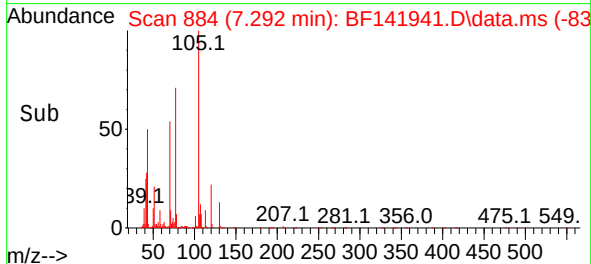
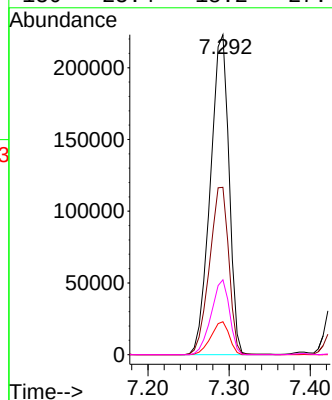
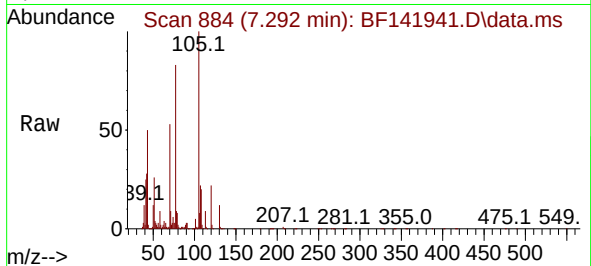


#19
n-Nitroso-di-n-propylamine
Concen: 43.331 ng
RT: 7.292 min Scan# 884
Delta R.T. -0.006 min
Lab File: BF141941.D
Acq: 13 Mar 2025 13:17

Instrument :
BNA_F
ClientSampleId :
PB167097BS

Tgt Ion: 70 Resp: 356374

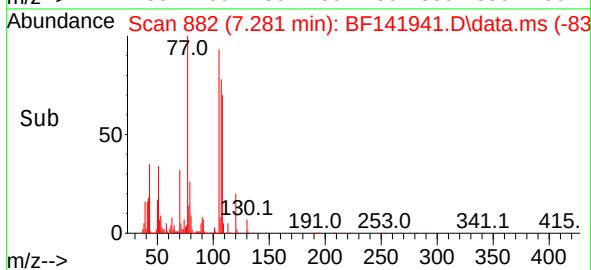
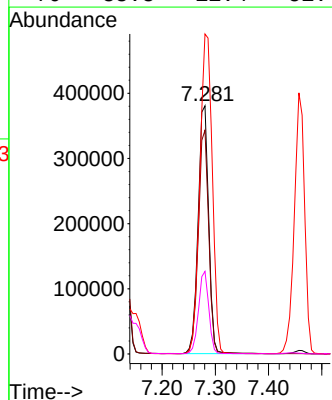
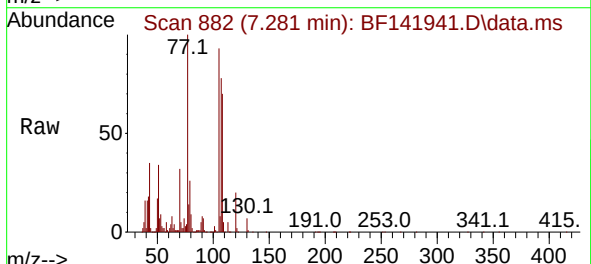
Ion	Ratio	Lower	Upper
70	100		
42	52.3	41.4	62.0
101	10.3	8.2	12.2
130	23.4	18.2	27.4

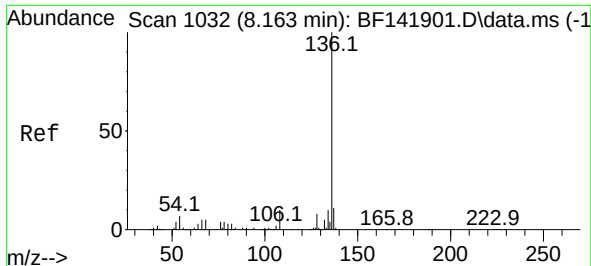


#20
3+4-Methylphenols
Concen: 46.311 ng
RT: 7.281 min Scan# 882
Delta R.T. 0.000 min
Lab File: BF141941.D
Acq: 13 Mar 2025 13:17

Tgt Ion: 107 Resp: 525851

Ion	Ratio	Lower	Upper
107	100		
108	90.1	68.4	108.4
77	129.0	69.7	109.7#
79	33.3	11.4	51.4

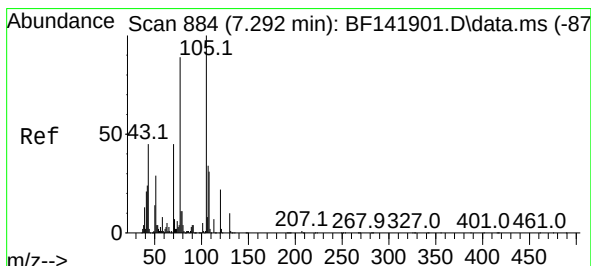
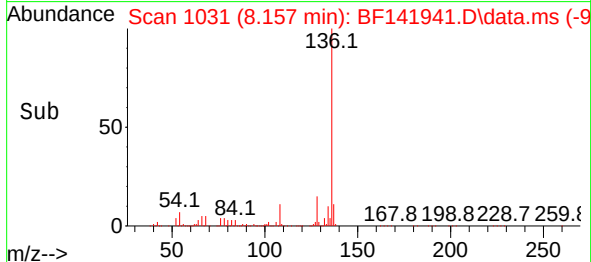
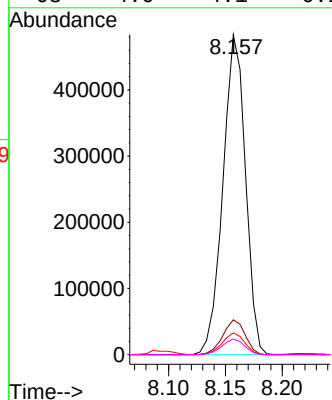
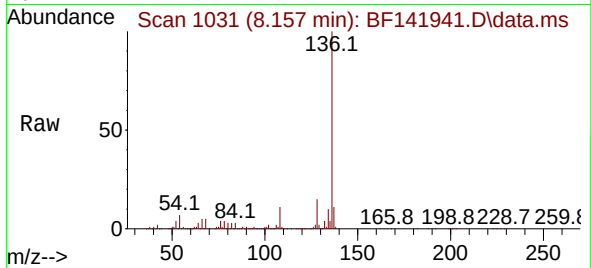




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.157 min Scan# 1031
Delta R.T. -0.006 min
Lab File: BF141941.D
Acq: 13 Mar 2025 13:17

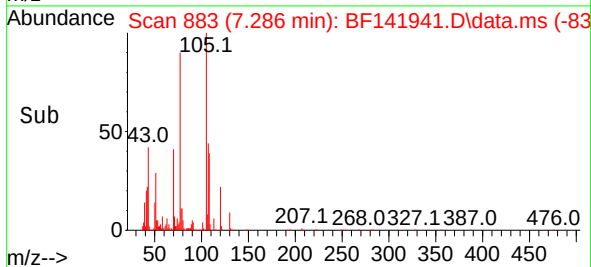
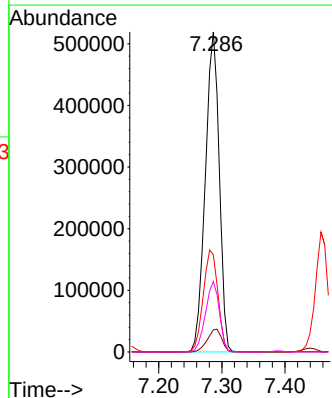
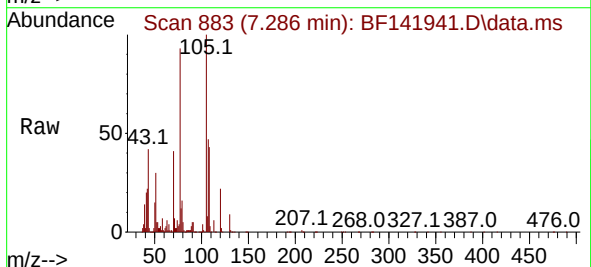
Instrument :
BNA_F
ClientSampleId :
PB167097BS

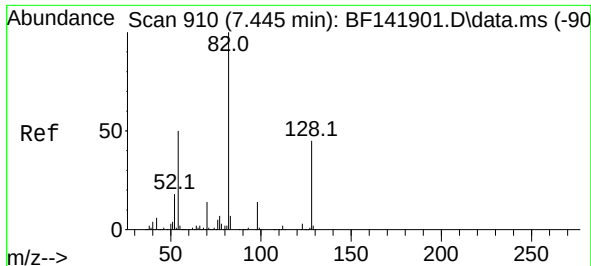
Tgt Ion:136	Resp: 666660
Ion Ratio	Lower Upper
136	100
137	10.9 8.8 13.2
54	6.8 5.8 8.8
68	4.9 4.1 6.1



#22
Acetophenone
Concen: 49.735 ng
RT: 7.286 min Scan# 883
Delta R.T. -0.006 min
Lab File: BF141941.D
Acq: 13 Mar 2025 13:17

Tgt Ion:105	Resp: 794019
Ion Ratio	Lower Upper
105	100
71	6.9 5.8 8.8
51	30.4 23.4 35.0
120	22.0 17.3 25.9





#23

Nitrobenzene-d5

Concen: 98.606 ng

RT: 7.439 min Scan# 909

Delta R.T. -0.006 min

Lab File: BF141941.D

Acq: 13 Mar 2025 13:17

Instrument :

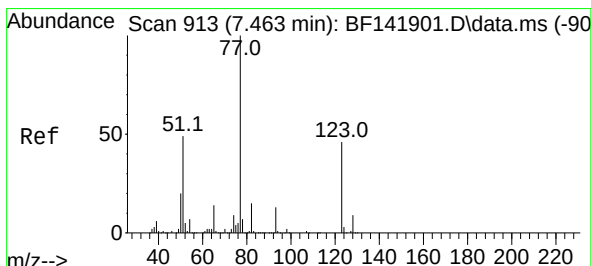
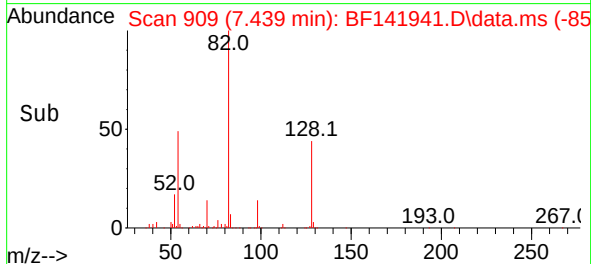
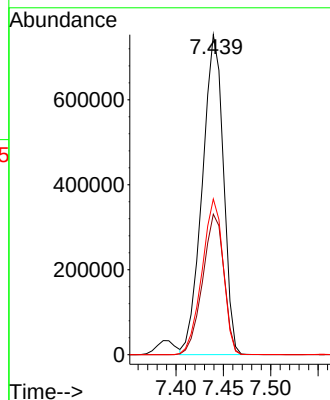
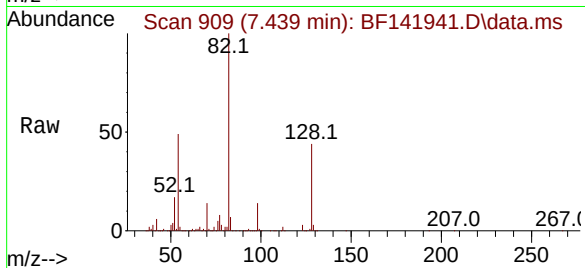
BNA_F

ClientSampleId :

PB167097BS

Tgt Ion: 82 Resp: 1168111

Ion	Ratio	Lower	Upper
82	100		
128	43.9	36.0	54.0
54	48.6	39.6	59.4



#24

Nitrobenzene

Concen: 45.933 ng

RT: 7.457 min Scan# 912

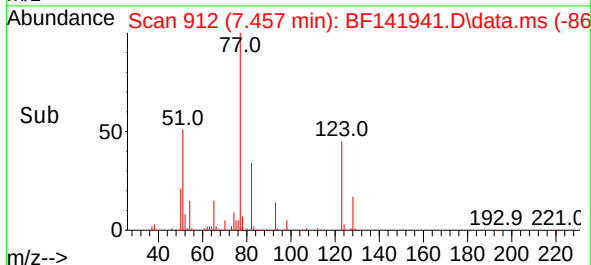
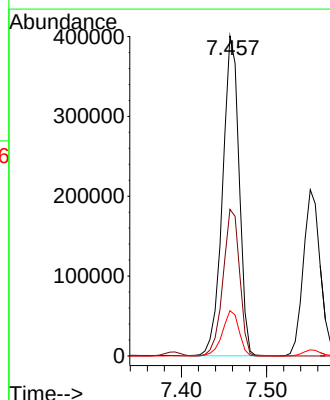
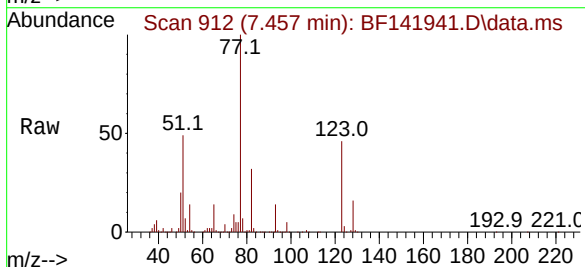
Delta R.T. -0.006 min

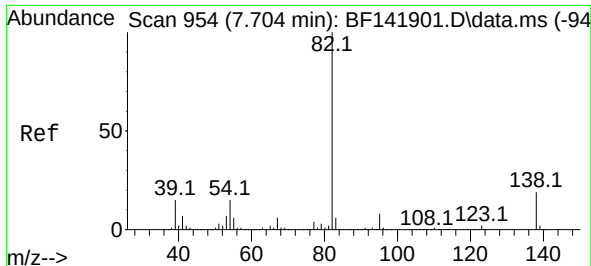
Lab File: BF141941.D

Acq: 13 Mar 2025 13:17

Tgt Ion: 77 Resp: 540933

Ion	Ratio	Lower	Upper
77	100		
123	45.8	37.0	55.4
65	14.1	11.3	16.9

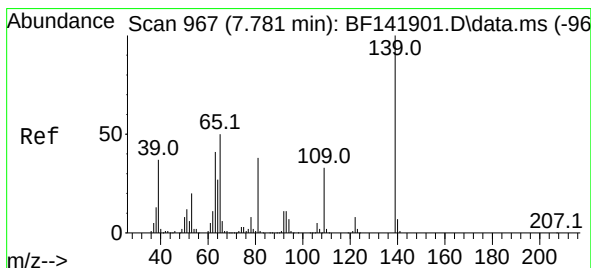
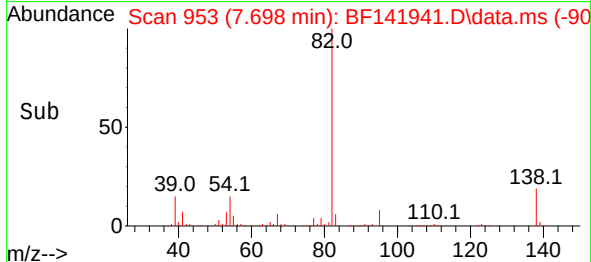
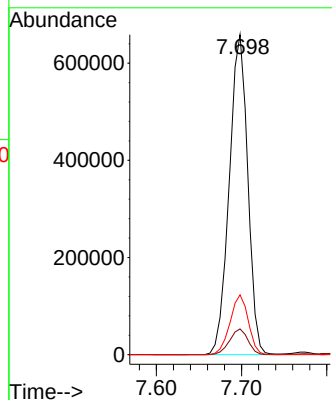
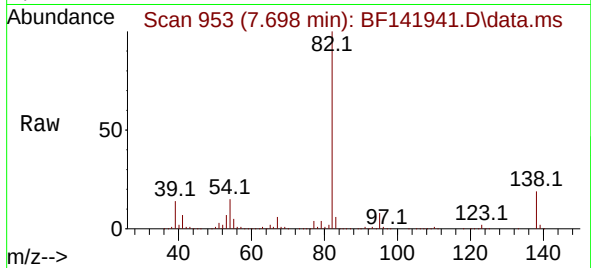




#25
Isophorone
Concen: 47.387 ng
RT: 7.698 min Scan# 954
Delta R.T. -0.006 min
Lab File: BF141941.D
Acq: 13 Mar 2025 13:17

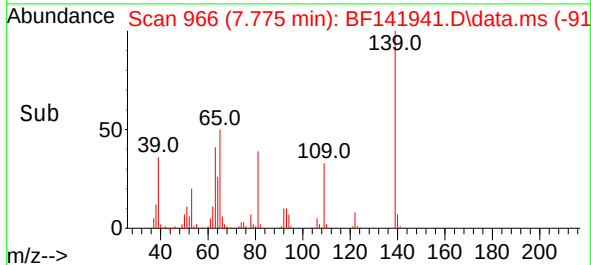
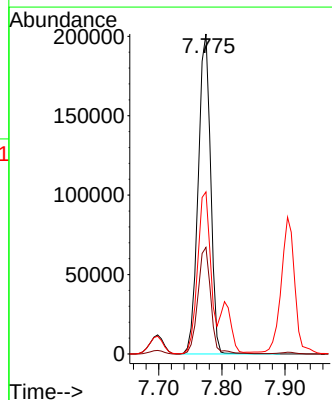
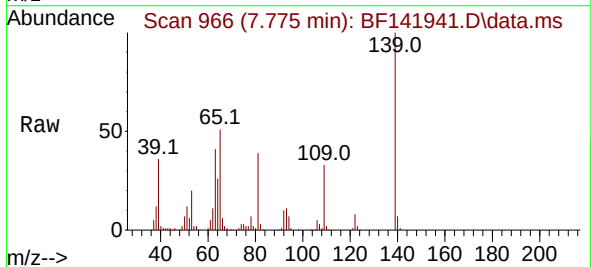
Instrument :
BNA_F
ClientSampleId :
PB167097BS

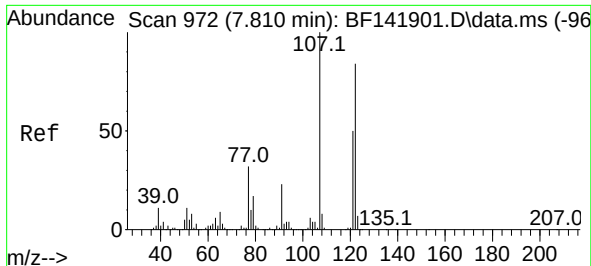
Tgt Ion: 82 Resp: 992286
Ion Ratio Lower Upper
82 100
95 8.1 6.4 9.6
138 18.7 14.9 22.3



#26
2-Nitrophenol
Concen: 47.460 ng
RT: 7.775 min Scan# 966
Delta R.T. -0.006 min
Lab File: BF141941.D
Acq: 13 Mar 2025 13:17

Tgt Ion:139 Resp: 274315
Ion Ratio Lower Upper
139 100
109 33.3 26.5 39.7
65 50.7 40.3 60.5

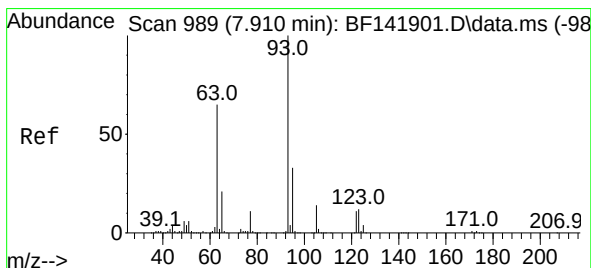
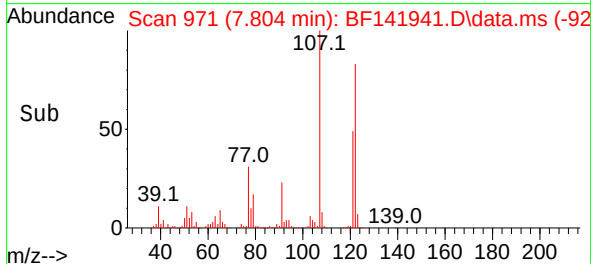
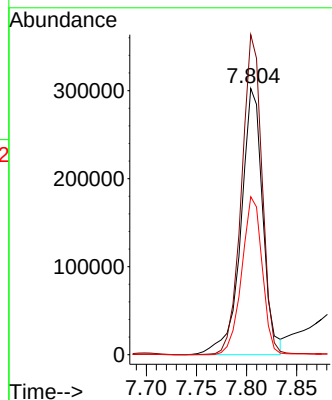
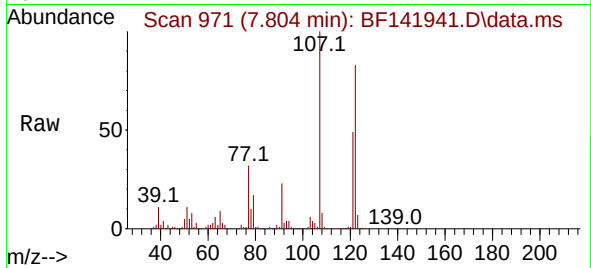




#27
2,4-Dimethylphenol
Concen: 57.557 ng
RT: 7.804 min Scan# 91
Delta R.T. -0.006 min
Lab File: BF141941.D
Acq: 13 Mar 2025 13:17

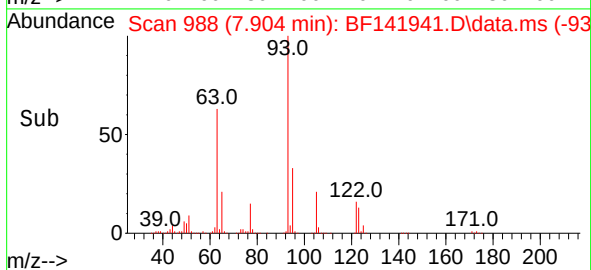
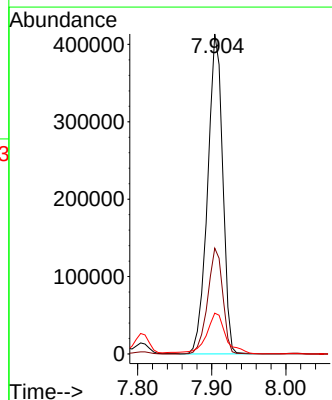
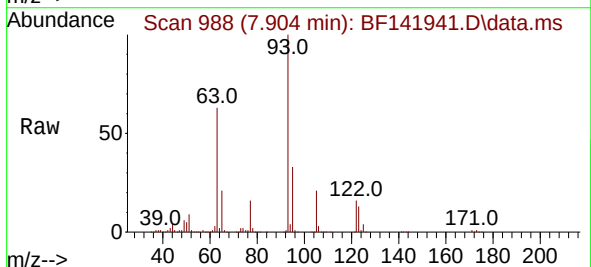
Instrument :
BNA_F
ClientSampleId :
PB167097BS

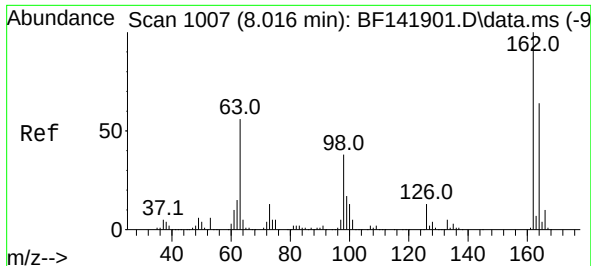
Tgt Ion:122 Resp: 458082
Ion Ratio Lower Upper
122 100
107 120.2 94.8 142.2
121 59.3 47.8 71.6



#28
bis(2-Chloroethoxy)methane
Concen: 44.484 ng
RT: 7.904 min Scan# 988
Delta R.T. -0.006 min
Lab File: BF141941.D
Acq: 13 Mar 2025 13:17

Tgt Ion: 93 Resp: 584252
Ion Ratio Lower Upper
93 100
95 33.0 26.6 40.0
123 12.7 10.2 15.4





#29

2,4-Dichlorophenol

Concen: 46.058 ng

RT: 8.010 min Scan# 1006

Delta R.T. -0.006 min

Lab File: BF141941.D

Acq: 13 Mar 2025 13:17

Instrument :

BNA_F

ClientSampleId :

PB167097BS

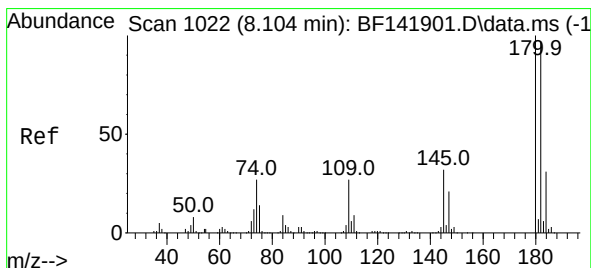
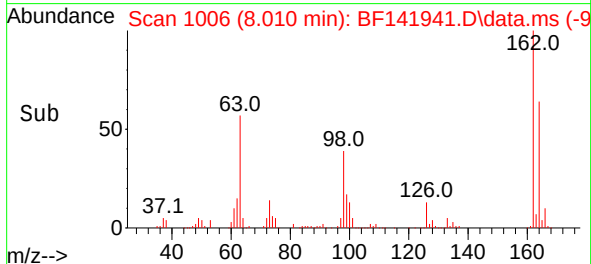
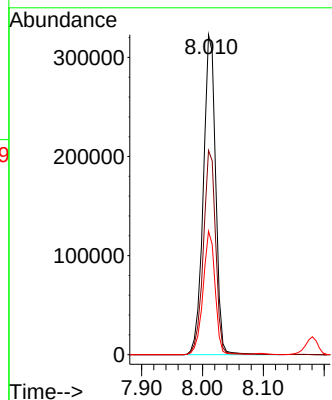
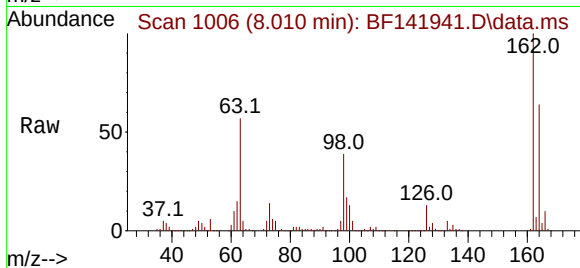
Tgt Ion:162 Resp: 454991

Ion Ratio Lower Upper

162 100

164 63.9 43.8 83.8

98 38.6 18.1 58.1



#30

1,2,4-Trichlorobenzene

Concen: 44.952 ng

RT: 8.098 min Scan# 1021

Delta R.T. -0.006 min

Lab File: BF141941.D

Acq: 13 Mar 2025 13:17

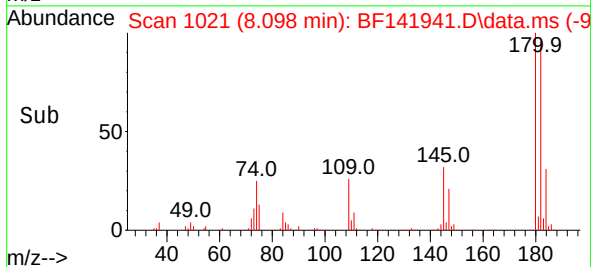
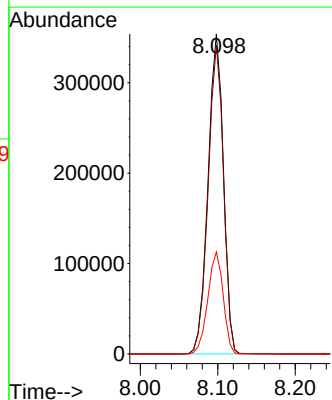
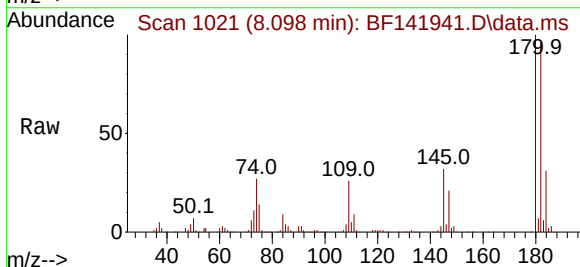
Tgt Ion:180 Resp: 489377

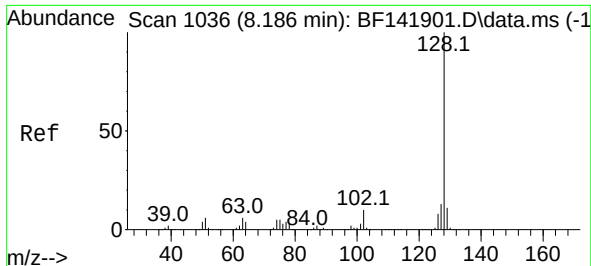
Ion Ratio Lower Upper

180 100

182 96.5 77.5 116.3

145 31.9 25.8 38.6

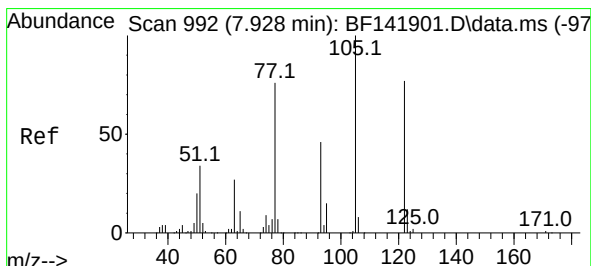
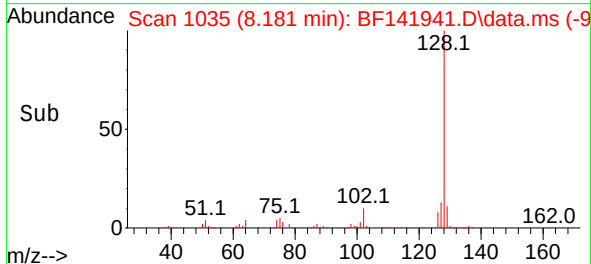
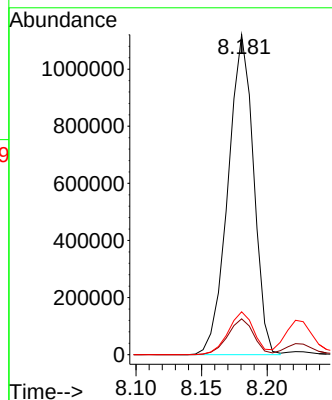
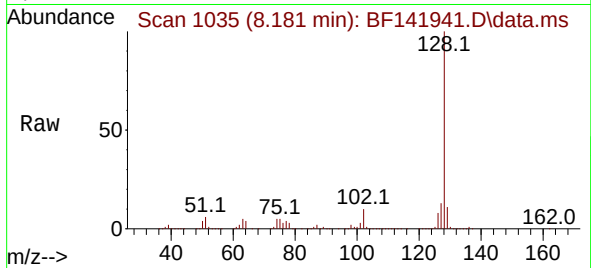




#31
Naphthalene
Concen: 44.415 ng
RT: 8.181 min Scan# 1036
Delta R.T. -0.006 min
Lab File: BF141941.D
Acq: 13 Mar 2025 13:17

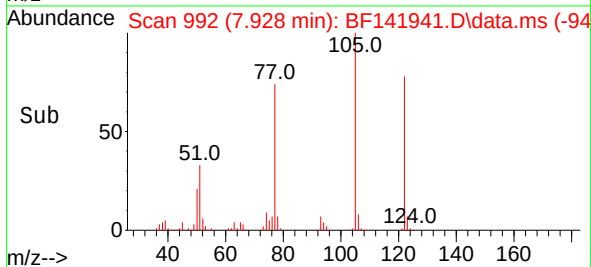
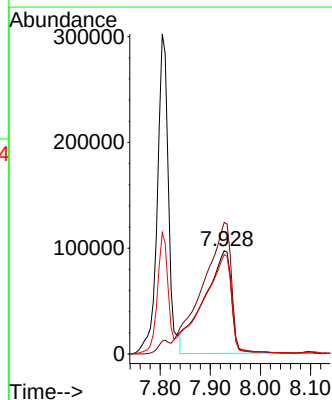
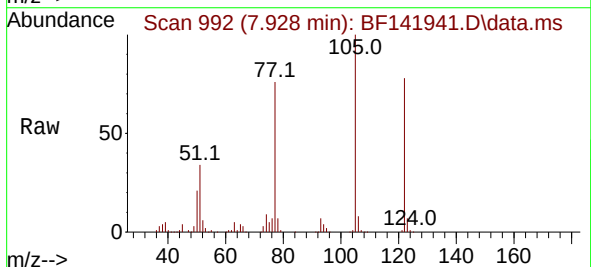
Instrument :
BNA_F
ClientSampleId :
PB167097BS

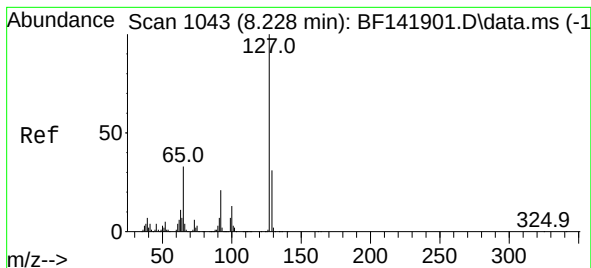
Tgt Ion:128 Resp: 1521001
Ion Ratio Lower Upper
128 100
129 11.2 9.0 13.6
127 13.4 10.8 16.2



#32
Benzoic acid
Concen: 52.727 ng
RT: 7.928 min Scan# 992
Delta R.T. -0.000 min
Lab File: BF141941.D
Acq: 13 Mar 2025 13:17

Tgt Ion:122 Resp: 368882
Ion Ratio Lower Upper
122 100
105 127.5 107.9 147.9
77 96.3 79.0 119.0





#33

4-Chloroaniline

Concen: 15.710 ng

RT: 8.222 min Scan# 1042

Delta R.T. -0.006 min

Lab File: BF141941.D

Acq: 13 Mar 2025 13:17

Instrument :

BNA_F

ClientSampleId :

PB167097BS

Tgt Ion:127 Resp: 189925

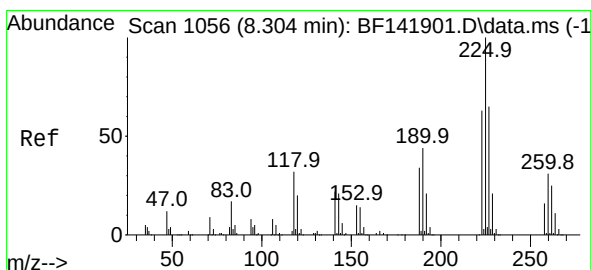
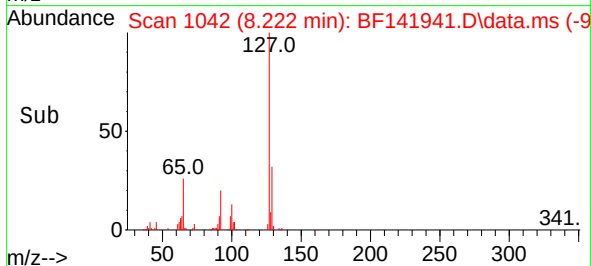
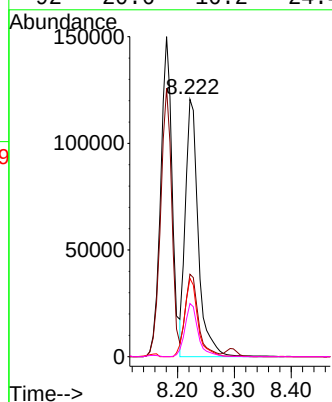
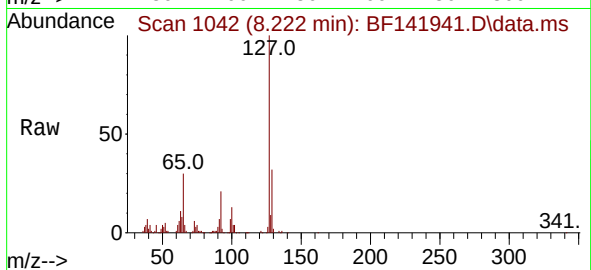
Ion Ratio Lower Upper

127 100

129 32.0 26.2 39.4

65 30.4 25.4 38.2

92 20.6 16.2 24.4



#34

Hexachlorobutadiene

Concen: 46.496 ng

RT: 8.298 min Scan# 1055

Delta R.T. -0.006 min

Lab File: BF141941.D

Acq: 13 Mar 2025 13:17

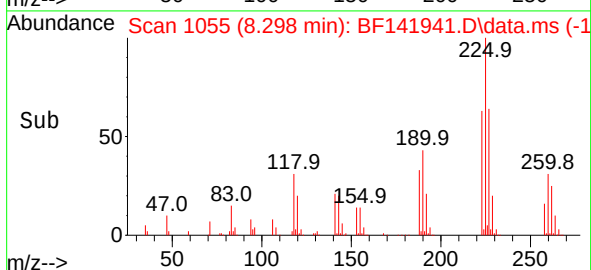
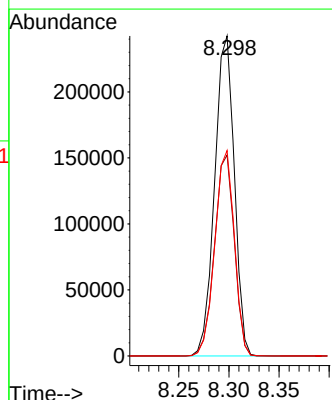
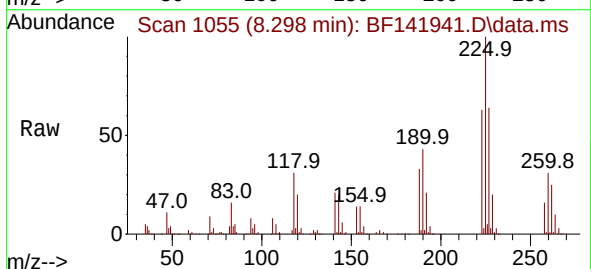
Tgt Ion:225 Resp: 330110

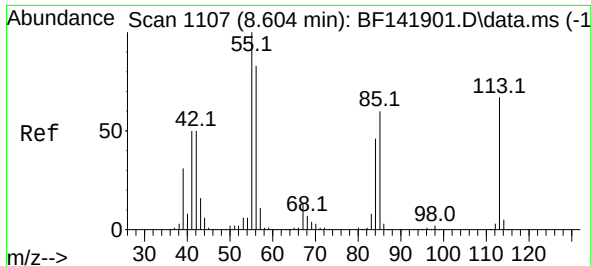
Ion Ratio Lower Upper

225 100

223 62.8 50.6 75.8

227 64.2 52.2 78.2





#35

Caprolactam

Concen: 26.727 ng

RT: 8.598 min Scan# 1106

Delta R.T. -0.006 min

Lab File: BF141941.D

Acq: 13 Mar 2025 13:17

Instrument :

BNA_F

ClientSampleId :

PB167097BS

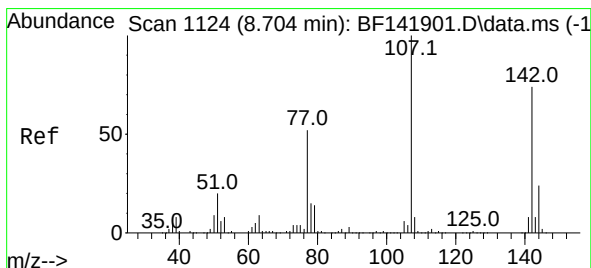
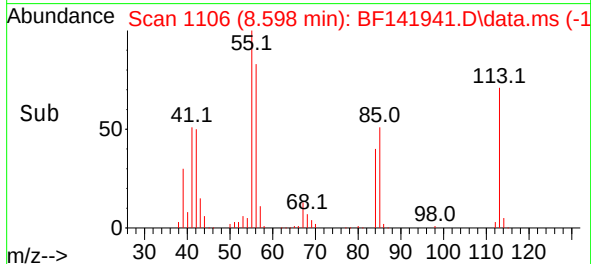
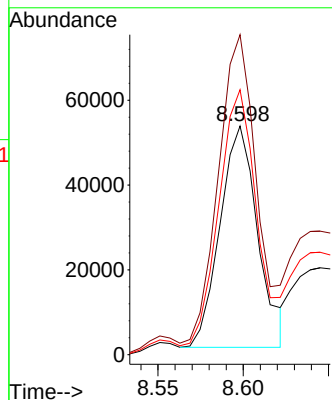
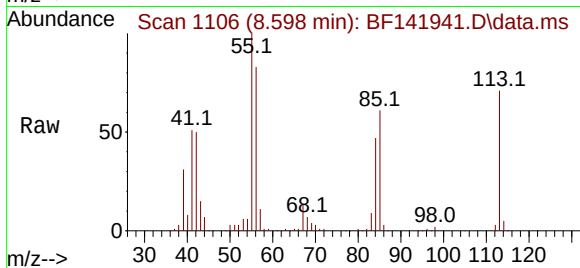
Tgt Ion:113 Resp: 80497

Ion Ratio Lower Upper

113 100

55 139.9 129.6 169.6

56 115.9 104.0 144.0



#36

4-Chloro-3-methylphenol

Concen: 45.924 ng

RT: 8.704 min Scan# 1124

Delta R.T. 0.000 min

Lab File: BF141941.D

Acq: 13 Mar 2025 13:17

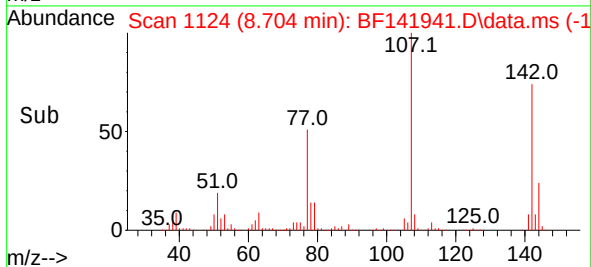
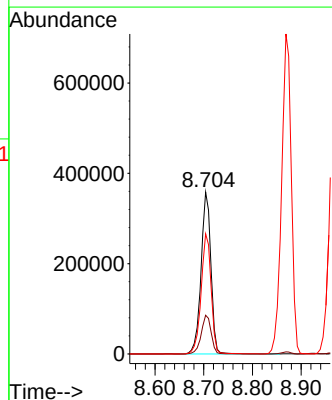
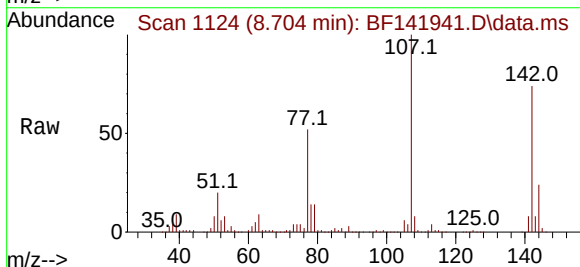
Tgt Ion:107 Resp: 506070

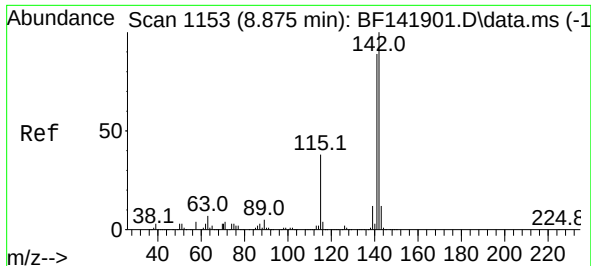
Ion Ratio Lower Upper

107 100

144 24.0 19.0 28.6

142 74.3 59.2 88.8





#37

2-Methylnaphthalene

Concen: 42.989 ng

RT: 8.869 min Scan# 1152

Delta R.T. -0.006 min

Lab File: BF141941.D

Acq: 13 Mar 2025 13:17

Instrument :

BNA_F

ClientSampleId :

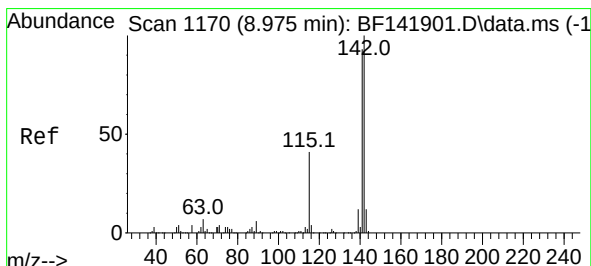
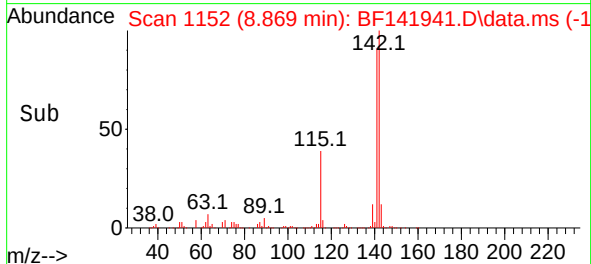
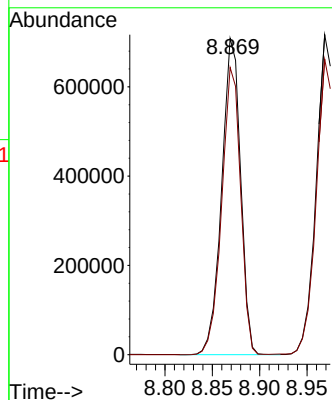
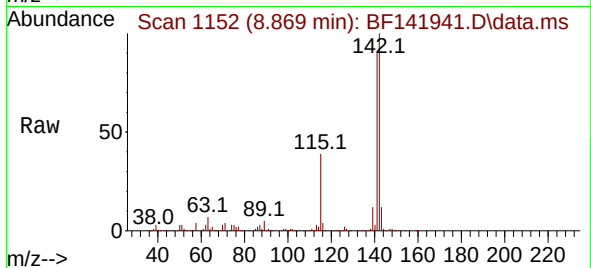
PB167097BS

Tgt Ion:142 Resp: 984016

Ion Ratio Lower Upper

142 100

141 90.8 71.2 106.8



#38

1-Methylnaphthalene

Concen: 44.147 ng

RT: 8.969 min Scan# 1169

Delta R.T. -0.006 min

Lab File: BF141941.D

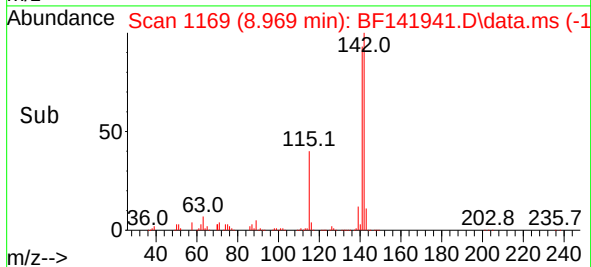
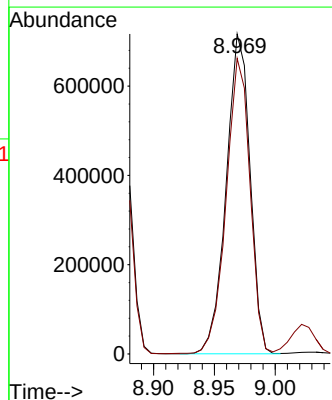
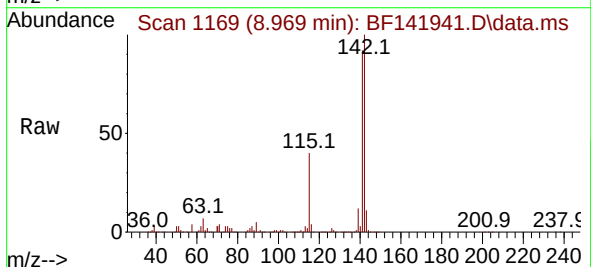
Acq: 13 Mar 2025 13:17

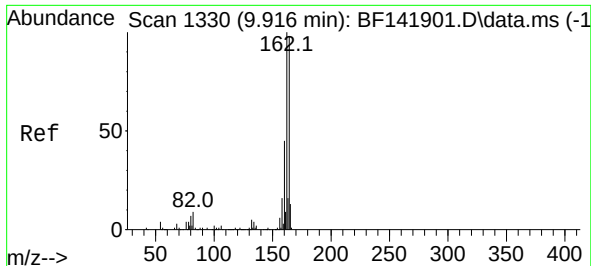
Tgt Ion:142 Resp: 975143

Ion Ratio Lower Upper

142 100

141 92.4 74.2 111.4





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.916 min Scan# 1181

Delta R.T. -0.000 min

Lab File: BF141941.D

Acq: 13 Mar 2025 13:17

Instrument :

BNA_F

ClientSampleId :

PB167097BS

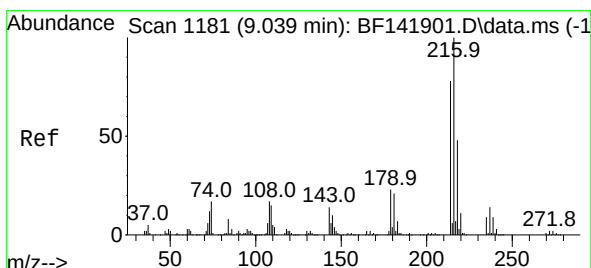
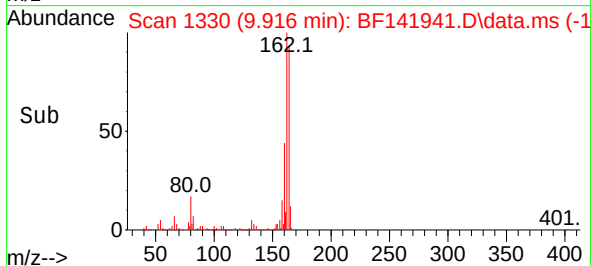
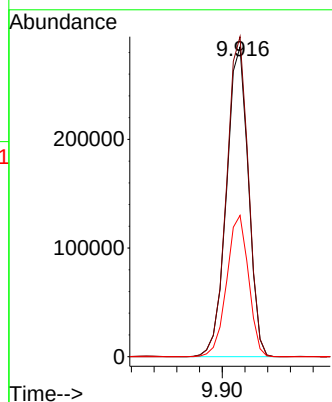
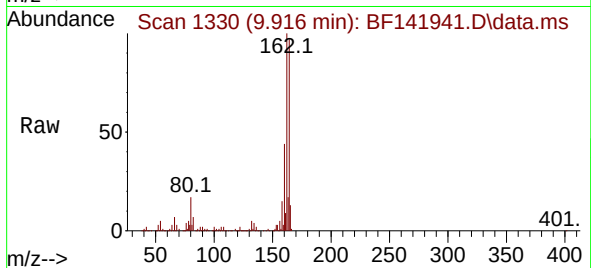
Tgt Ion:164 Resp: 381133

Ion Ratio Lower Upper

164 100

162 103.3 81.8 122.6

160 45.6 36.7 55.1



#40

1,2,4,5-Tetrachlorobenzene

Concen: 50.807 ng

RT: 9.039 min Scan# 1181

Delta R.T. 0.000 min

Lab File: BF141941.D

Acq: 13 Mar 2025 13:17

Tgt Ion:216 Resp: 589567

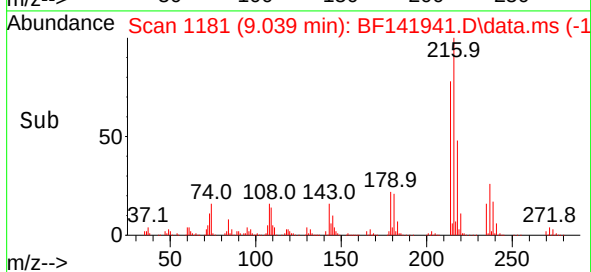
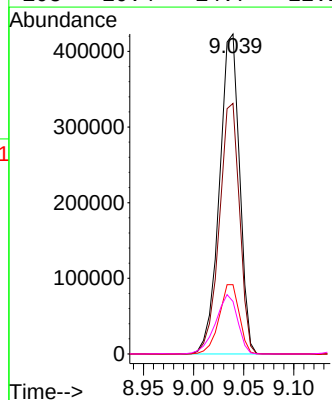
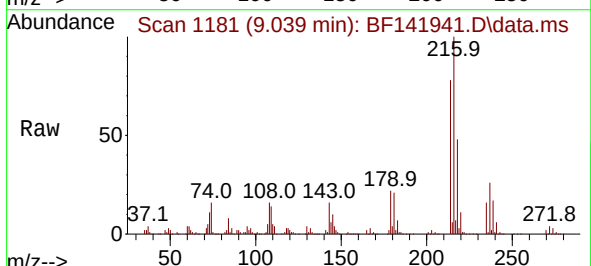
Ion Ratio Lower Upper

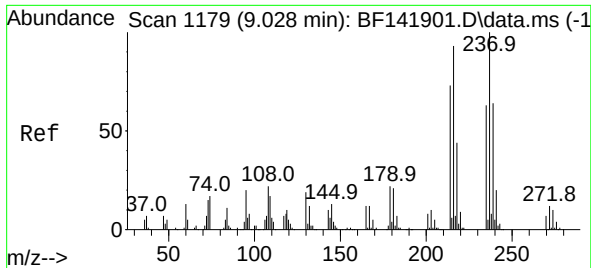
216 100

214 78.4 61.9 92.9

179 21.8 18.1 27.1

108 20.4 14.7 22.1

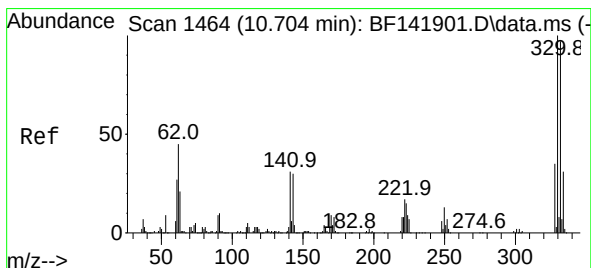
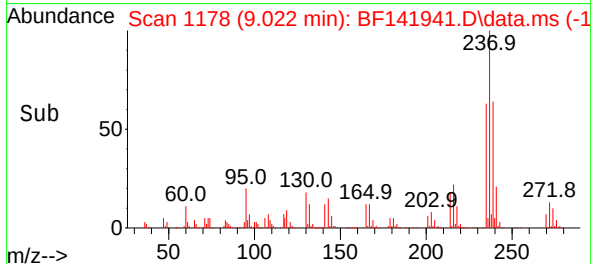
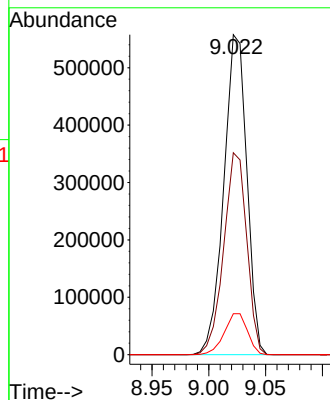
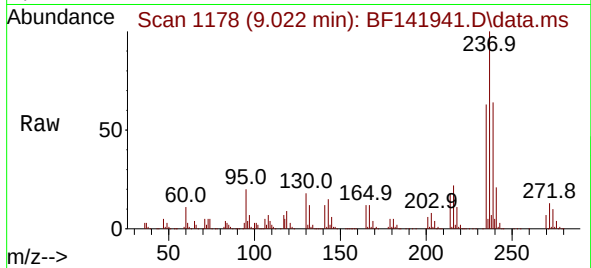




#41
Hexachlorocyclopentadiene
Concen: 173.440 ng
RT: 9.022 min Scan# 1178
Delta R.T. -0.006 min
Lab File: BF141941.D
Acq: 13 Mar 2025 13:17

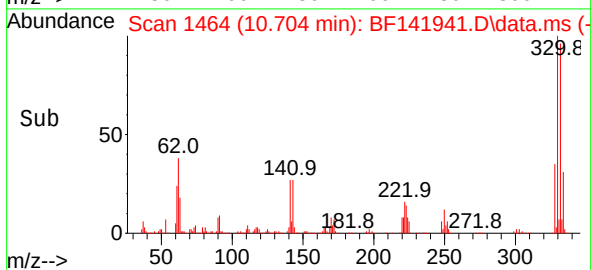
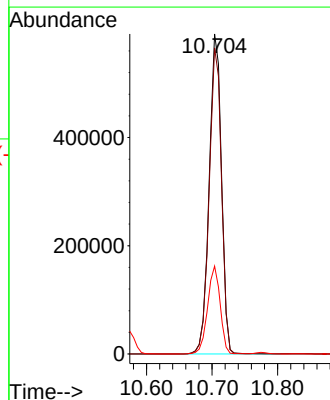
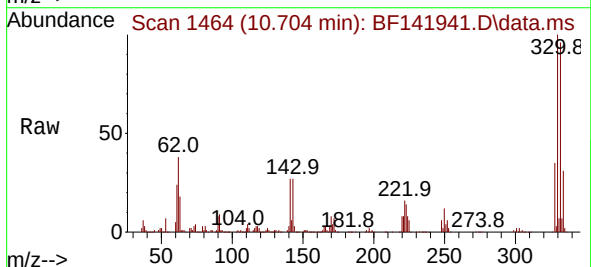
Instrument :
BNA_F
ClientSampleId :
PB167097BS

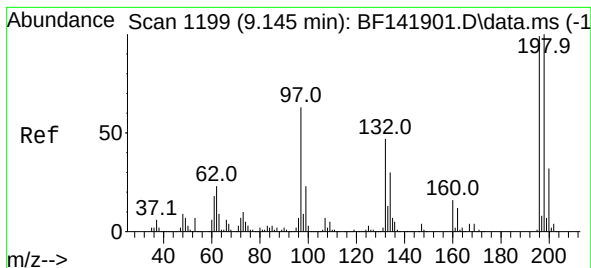
Tgt Ion:237 Resp: 787647
Ion Ratio Lower Upper
237 100
235 63.1 43.1 83.1
272 12.8 0.0 32.0



#42
2,4,6-Tribromophenol
Concen: 160.048 ng
RT: 10.704 min Scan# 1464
Delta R.T. 0.000 min
Lab File: BF141941.D
Acq: 13 Mar 2025 13:17

Tgt Ion:330 Resp: 773860
Ion Ratio Lower Upper
330 100
332 95.8 77.6 116.4
141 28.0 24.7 37.1





#43

2,4,6-Trichlorophenol

Concen: 49.244 ng

RT: 9.145 min Scan# 1199

Delta R.T. 0.000 min

Lab File: BF141941.D

Acq: 13 Mar 2025 13:17

Instrument :

BNA_F

ClientSampleId :

PB167097BS

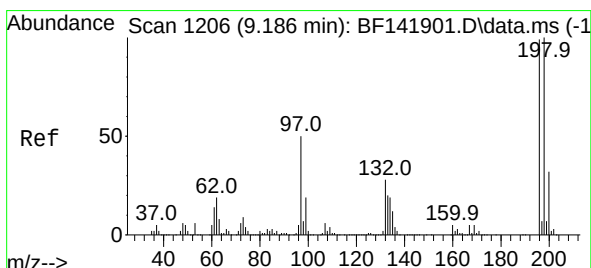
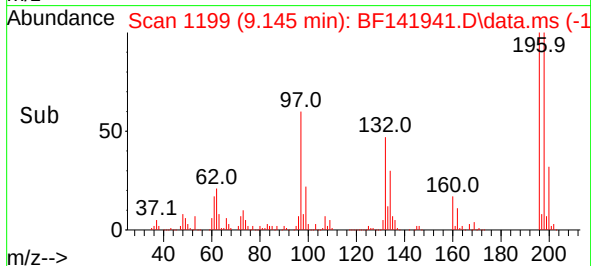
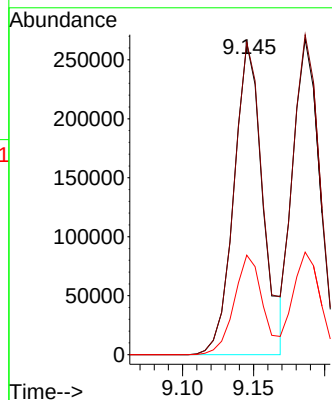
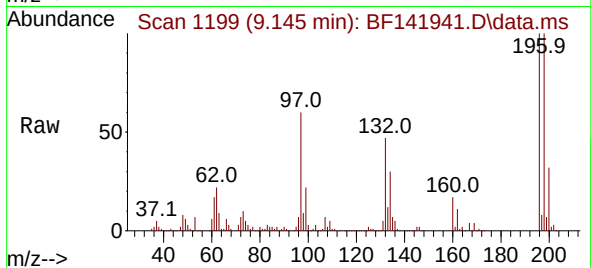
Tgt Ion:196 Resp: 373446

Ion Ratio Lower Upper

196 100

198 100.4 80.6 121.0

200 32.0 25.8 38.6



#44

2,4,5-Trichlorophenol

Concen: 45.418 ng

RT: 9.186 min Scan# 1206

Delta R.T. 0.000 min

Lab File: BF141941.D

Acq: 13 Mar 2025 13:17

Tgt Ion:196 Resp: 348841

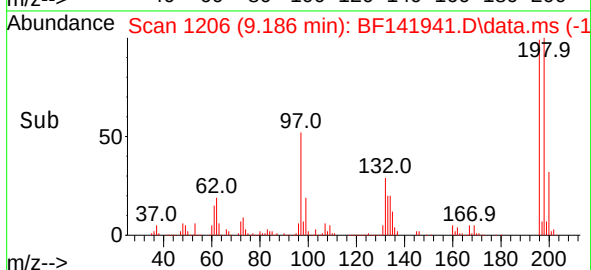
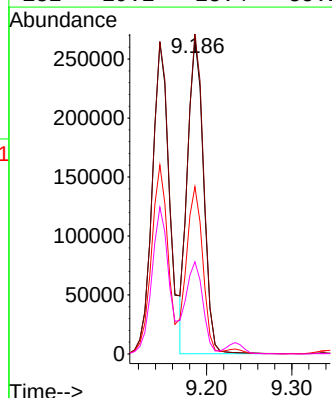
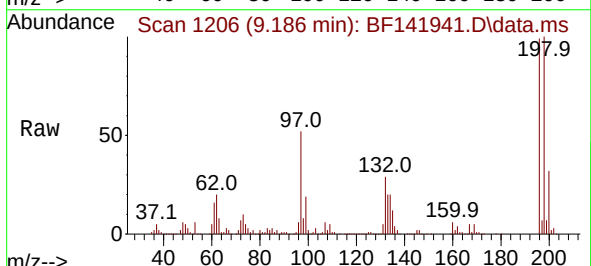
Ion Ratio Lower Upper

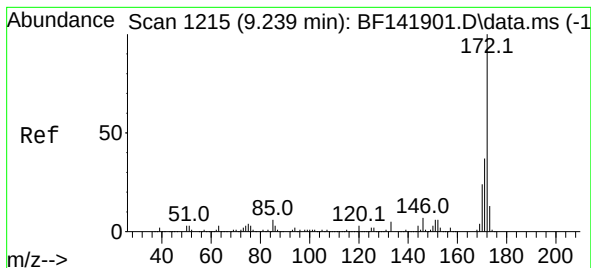
196 100

198 101.4 80.7 121.1

97 53.0 42.1 63.1

132 29.2 23.4 35.2





#45

2-Fluorobiphenyl

Concen: 97.806 ng

RT: 9.233 min Scan# 1214

Delta R.T. -0.006 min

Lab File: BF141941.D

Acq: 13 Mar 2025 13:17

Instrument :

BNA_F

ClientSampleId :

PB167097BS

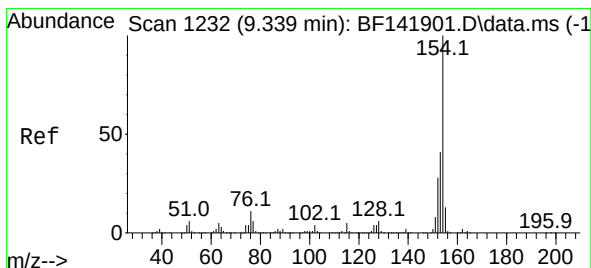
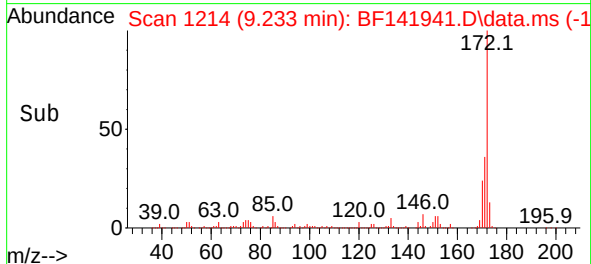
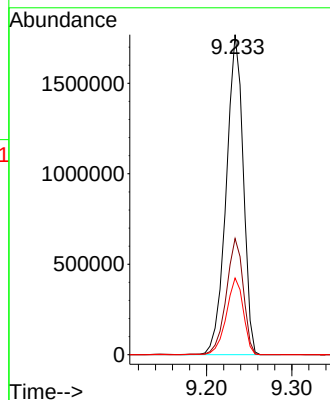
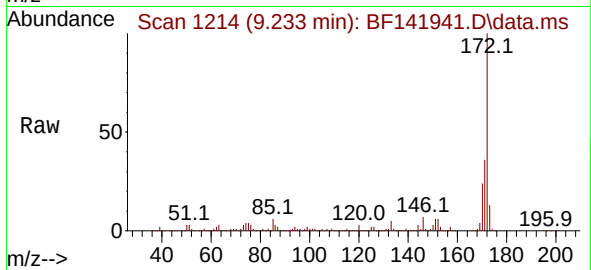
Tgt Ion:172 Resp: 2451144

Ion Ratio Lower Upper

172 100

171 36.3 29.3 43.9

170 24.0 19.4 29.0



#46

1,1'-Biphenyl

Concen: 50.256 ng

RT: 9.333 min Scan# 1231

Delta R.T. -0.006 min

Lab File: BF141941.D

Acq: 13 Mar 2025 13:17

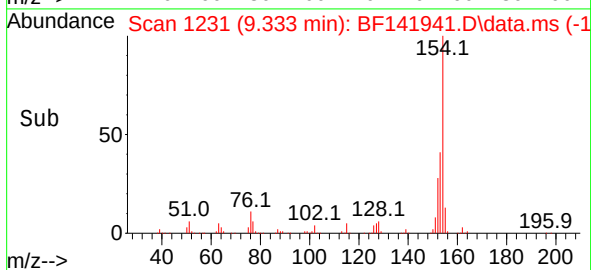
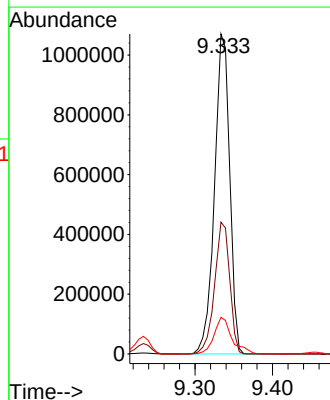
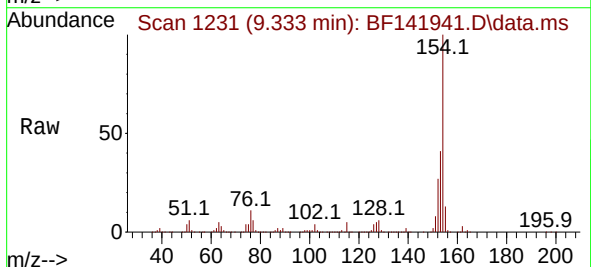
Tgt Ion:154 Resp: 1455375

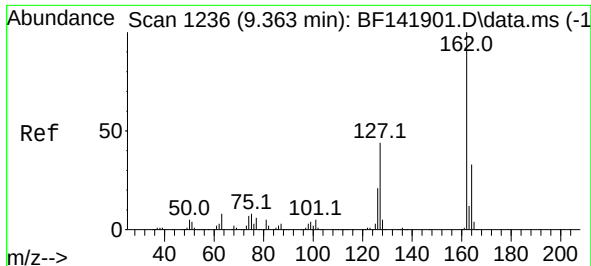
Ion Ratio Lower Upper

154 100

153 41.2 21.1 61.1

76 11.5 0.0 31.3





#47

2-Chloronaphthalene

Concen: 46.033 ng

RT: 9.363 min Scan# 1236

Delta R.T. 0.000 min

Lab File: BF141941.D

Acq: 13 Mar 2025 13:17

Instrument :

BNA_F

ClientSampleId :

PB167097BS

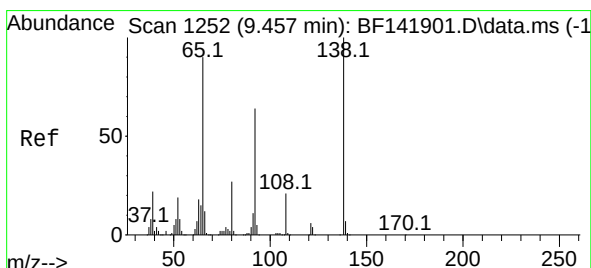
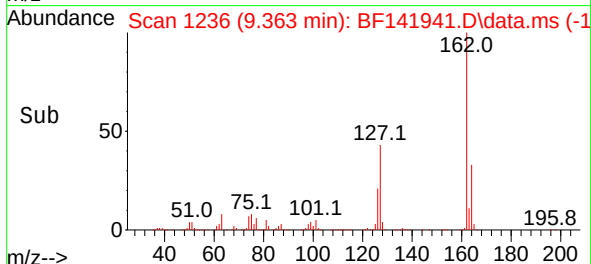
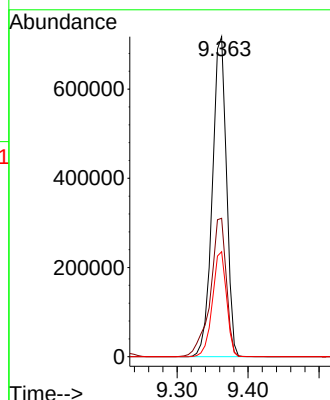
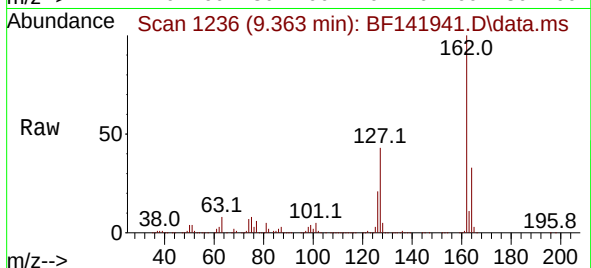
Tgt Ion:162 Resp: 993605

Ion Ratio Lower Upper

162 100

127 43.2 35.5 53.3

164 32.8 26.6 40.0



#48

2-Nitroaniline

Concen: 47.288 ng

RT: 9.451 min Scan# 1251

Delta R.T. -0.006 min

Lab File: BF141941.D

Acq: 13 Mar 2025 13:17

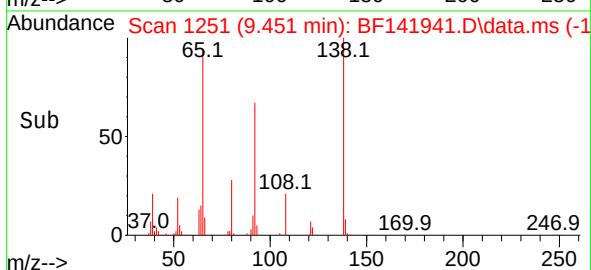
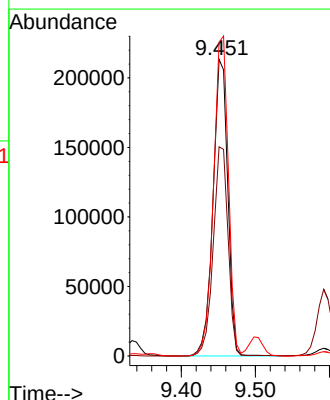
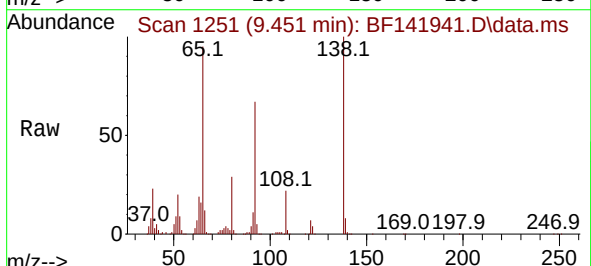
Tgt Ion: 65 Resp: 295534

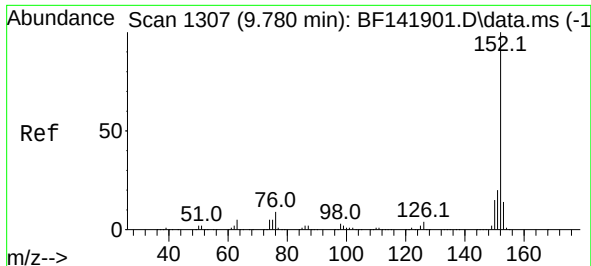
Ion Ratio Lower Upper

65 100

92 70.5 56.6 84.8

138 105.7 88.6 133.0





#49

Acenaphthylene

Concen: 48.500 ng

RT: 9.775 min Scan# 1306

Delta R.T. -0.006 min

Lab File: BF141941.D

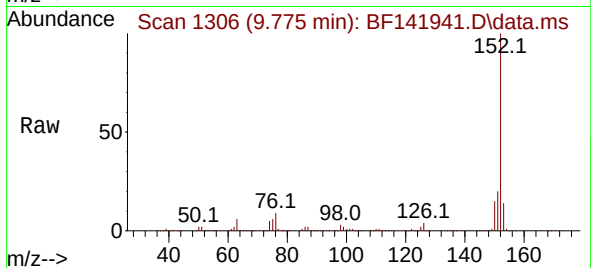
Acq: 13 Mar 2025 13:17

Instrument :

BNA_F

ClientSampleId :

PB167097BS



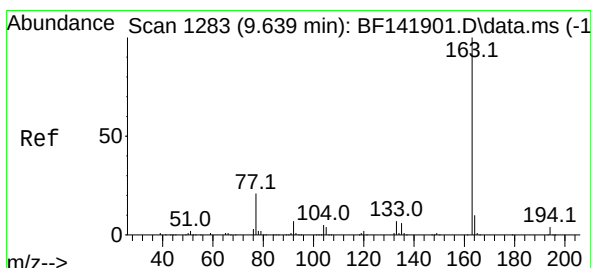
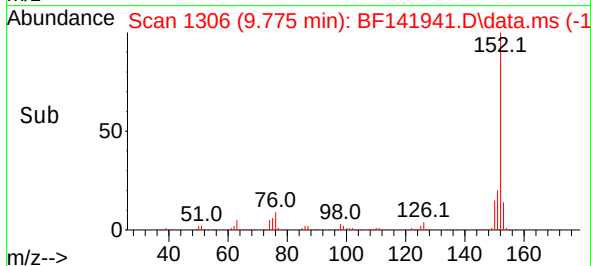
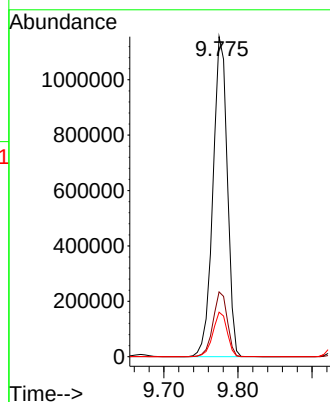
Tgt Ion:152 Resp: 1553482

Ion Ratio Lower Upper

152 100

151 20.3 16.3 24.5

153 13.9 11.1 16.7



#50

Dimethylphthalate

Concen: 45.891 ng

RT: 9.639 min Scan# 1283

Delta R.T. 0.000 min

Lab File: BF141941.D

Acq: 13 Mar 2025 13:17

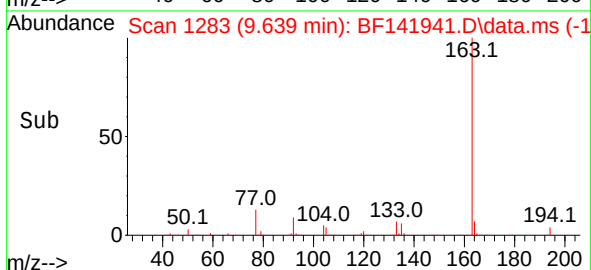
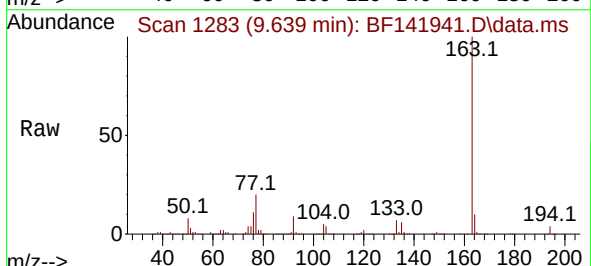
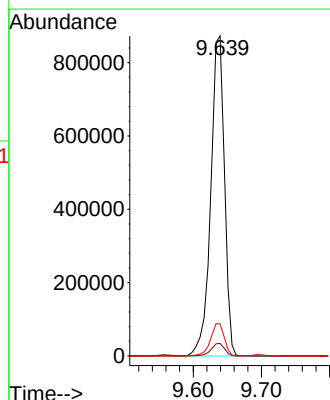
Tgt Ion:163 Resp: 1224816

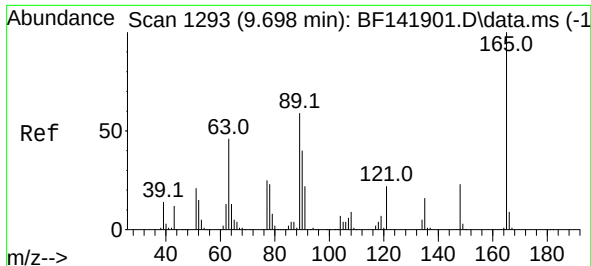
Ion Ratio Lower Upper

163 100

194 3.9 3.1 4.7

164 10.1 8.2 12.4





#51

2,6-Dinitrotoluene

Concen: 46.717 ng

RT: 9.698 min Scan# 1293

Delta R.T. 0.000 min

Lab File: BF141941.D

Acq: 13 Mar 2025 13:17

Instrument :

BNA_F

ClientSampleId :

PB167097BS

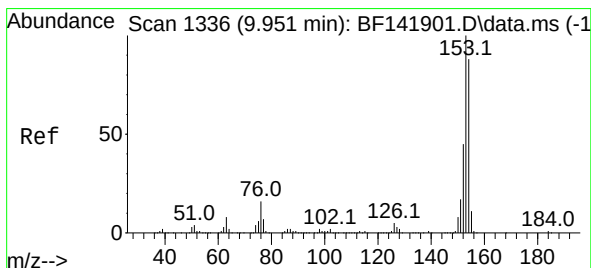
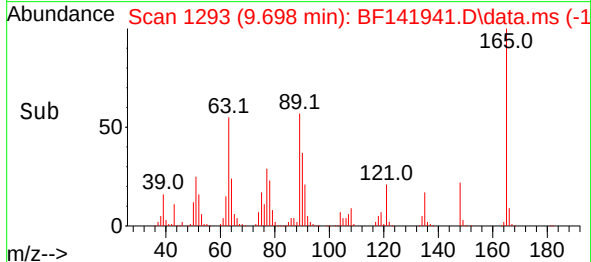
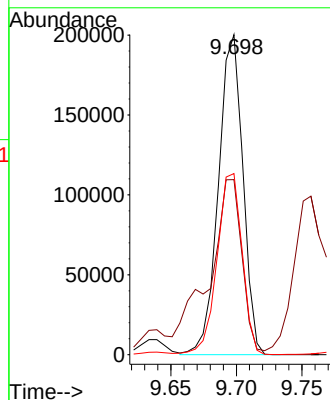
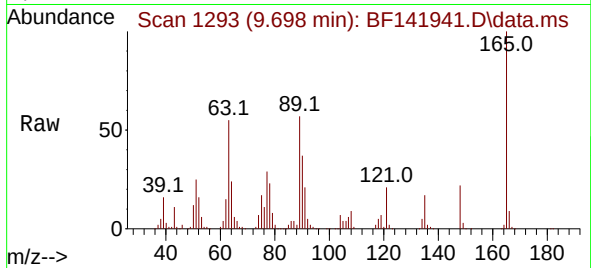
Tgt Ion:165 Resp: 259612

Ion Ratio Lower Upper

165 100

63 54.7 47.0 70.4

89 56.6 47.4 71.2



#52

Acenaphthene

Concen: 51.989 ng

RT: 9.951 min Scan# 1336

Delta R.T. 0.000 min

Lab File: BF141941.D

Acq: 13 Mar 2025 13:17

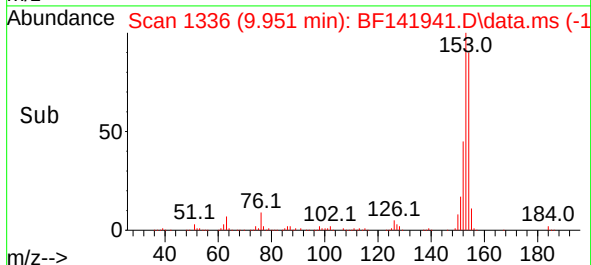
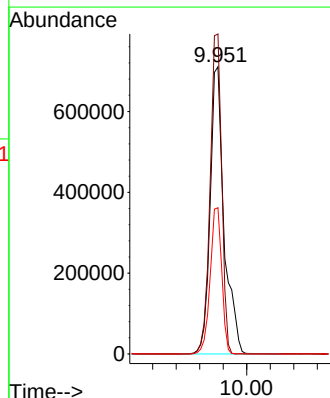
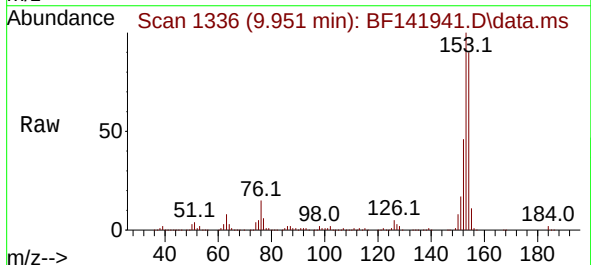
Tgt Ion:154 Resp: 1170255

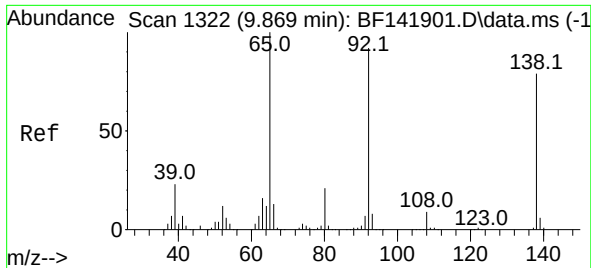
Ion Ratio Lower Upper

154 100

153 111.4 90.7 136.1

152 50.9 41.1 61.7

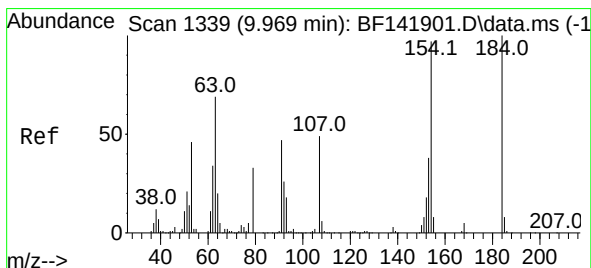
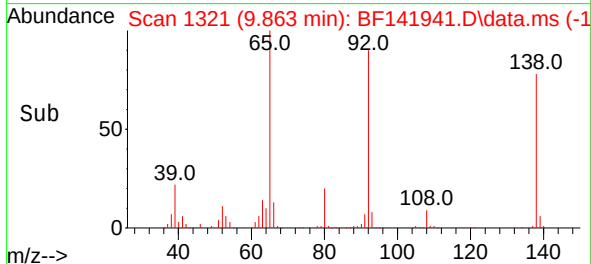
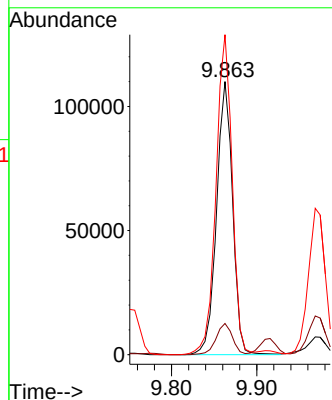
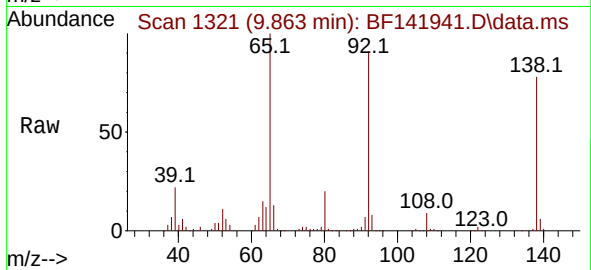




#53
3-Nitroaniline
Concen: 25.536 ng
RT: 9.863 min Scan# 1321
Delta R.T. -0.006 min
Lab File: BF141941.D
Acq: 13 Mar 2025 13:17

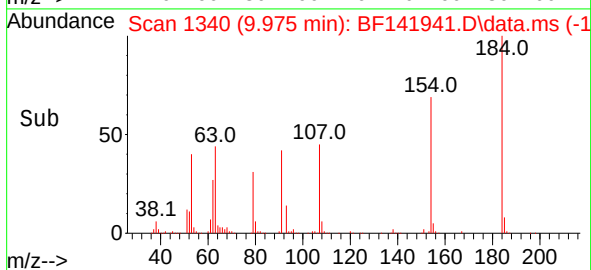
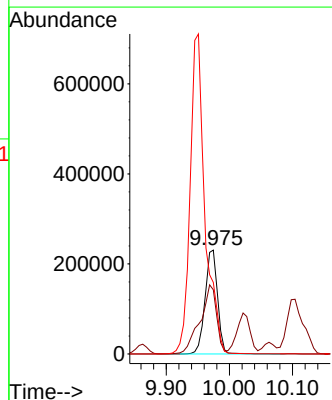
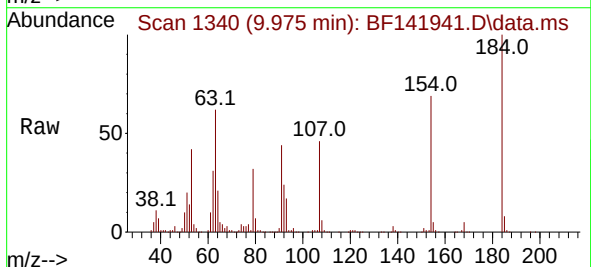
Instrument :
BNA_F
ClientSampleId :
PB167097BS

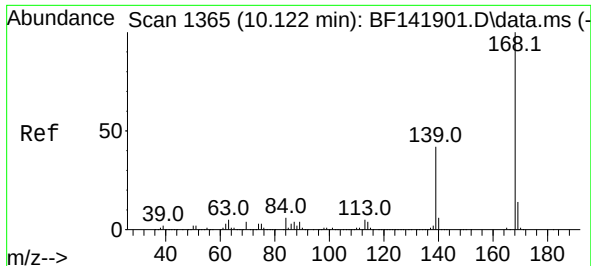
Tgt Ion:138 Resp: 143947
Ion Ratio Lower Upper
138 100
108 11.4 9.3 13.9
92 117.2 93.5 140.3



#54
2,4-Dinitrophenol
Concen: 99.219 ng
RT: 9.975 min Scan# 1340
Delta R.T. 0.006 min
Lab File: BF141941.D
Acq: 13 Mar 2025 13:17

Tgt Ion:184 Resp: 318705
Ion Ratio Lower Upper
184 100
63 61.8 60.2 90.4
154 68.9 132.9 199.3#





#55

Dibenzenofuran

Concen: 44.061 ng

RT: 10.122 min Scan# 1417

Delta R.T. 0.000 min

Lab File: BF141941.D

Acq: 13 Mar 2025 13:17

Instrument :

BNA_F

ClientSampleId :

PB167097BS

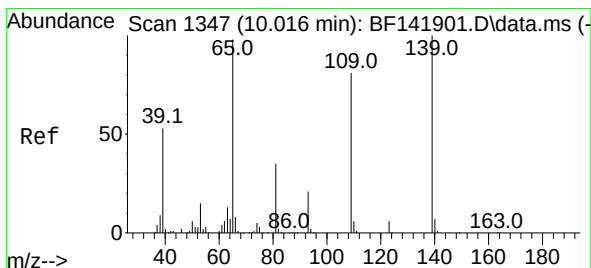
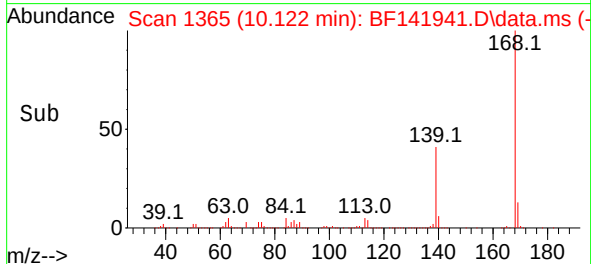
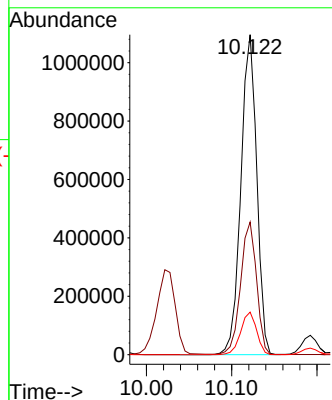
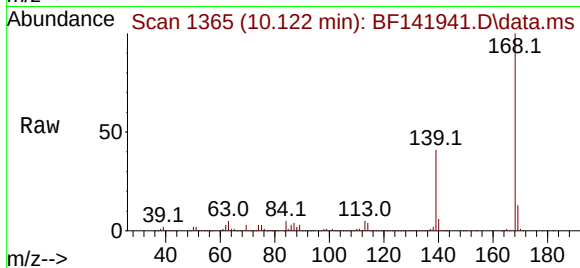
Tgt Ion:168 Resp: 1417170

Ion Ratio Lower Upper

168 100

139 41.5 33.9 50.9

169 13.3 11.0 16.4



#56

4-Nitrophenol

Concen: 103.387 ng

RT: 10.022 min Scan# 1348

Delta R.T. 0.006 min

Lab File: BF141941.D

Acq: 13 Mar 2025 13:17

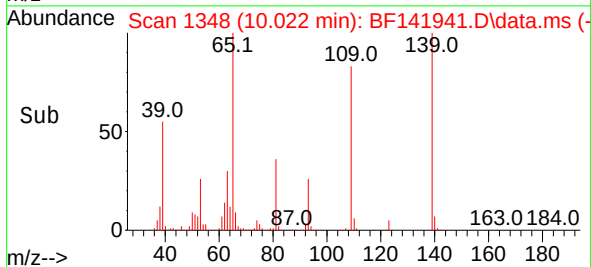
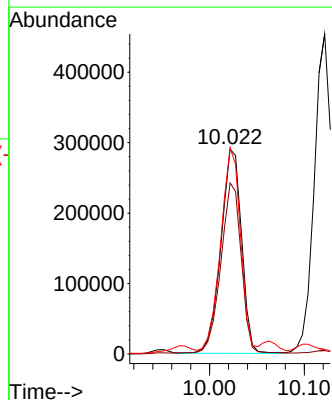
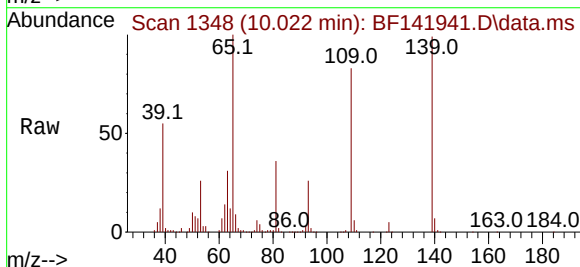
Tgt Ion:139 Resp: 439494

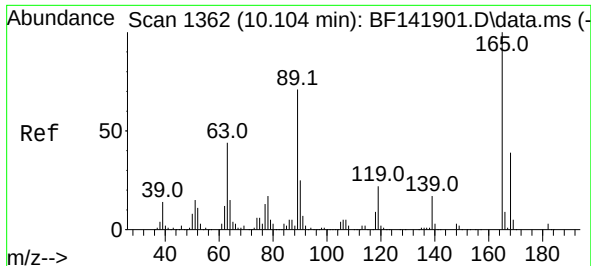
Ion Ratio Lower Upper

139 100

109 83.4 61.6 101.6

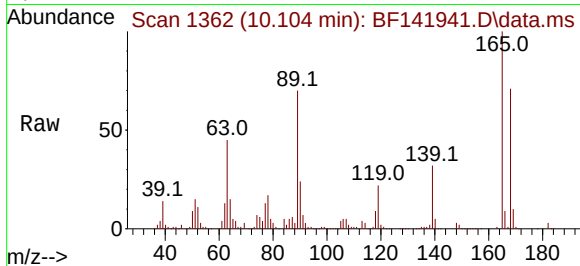
65 100.7 79.4 119.4



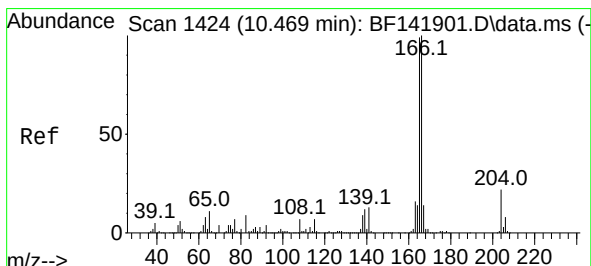
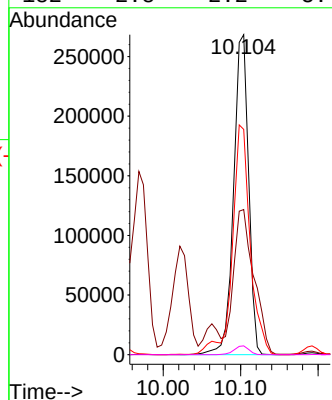
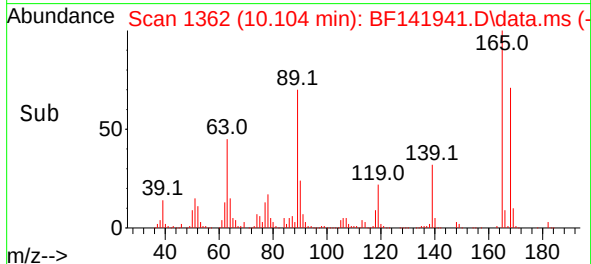


#57
2,4-Dinitrotoluene
Concen: 49.745 ng
RT: 10.104 min Scan# 1410
Delta R.T. 0.000 min
Lab File: BF141941.D
Acq: 13 Mar 2025 13:17

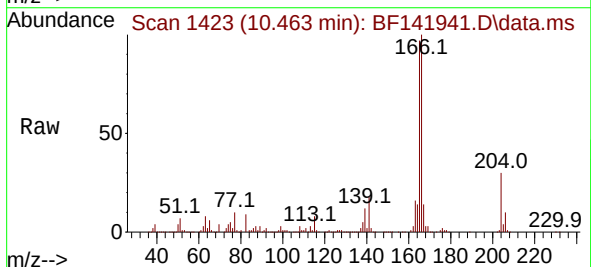
Instrument :
BNA_F
ClientSampleId :
PB167097BS



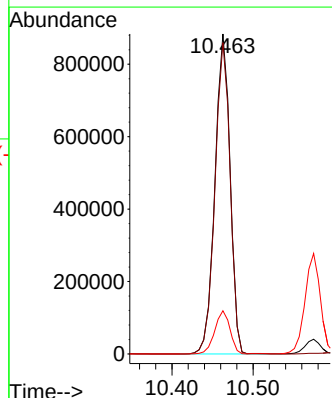
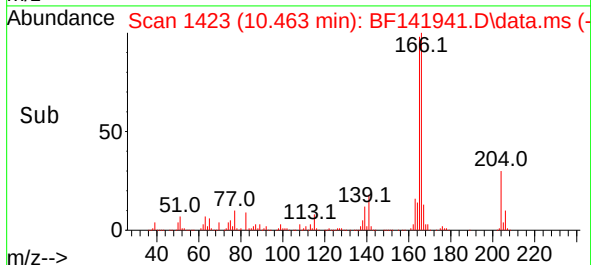
Tgt Ion:165 Resp: 361052
Ion Ratio Lower Upper
165 100
63 45.3 35.4 53.2
89 70.4 56.6 84.8
182 2.8 2.2 3.4

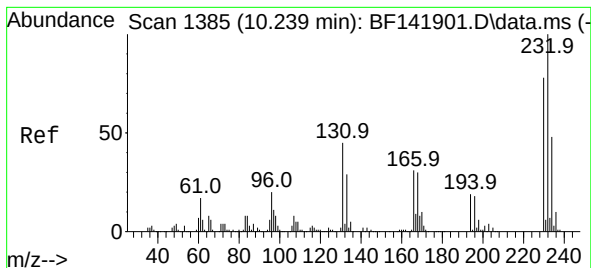


#58
Fluorene
Concen: 46.273 ng
RT: 10.463 min Scan# 1423
Delta R.T. -0.006 min
Lab File: BF141941.D
Acq: 13 Mar 2025 13:17



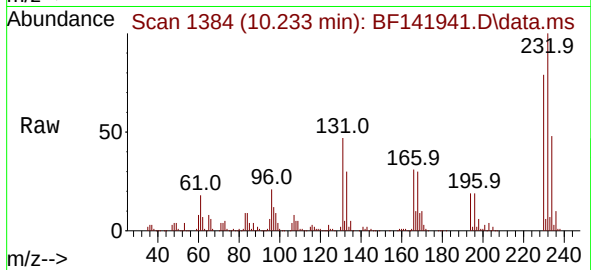
Tgt Ion:166 Resp: 1147740
Ion Ratio Lower Upper
166 100
165 97.3 79.0 118.4
167 13.5 11.0 16.4



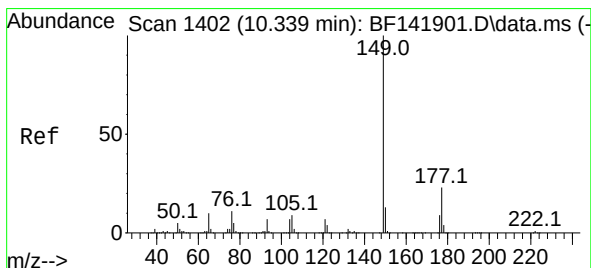
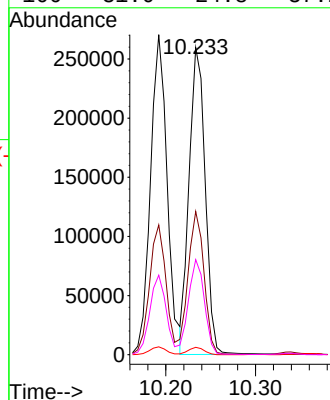
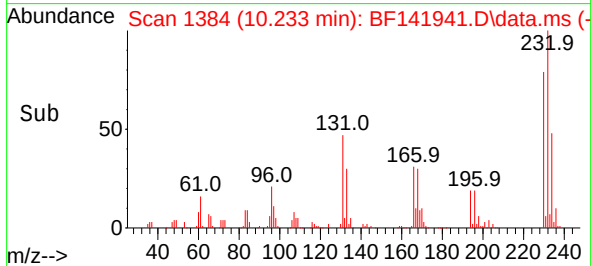


#59
2,3,4,6-Tetrachlorophenol
Concen: 46.303 ng
RT: 10.233 min Scan# 1384
Delta R.T. -0.006 min
Lab File: BF141941.D
Acq: 13 Mar 2025 13:17

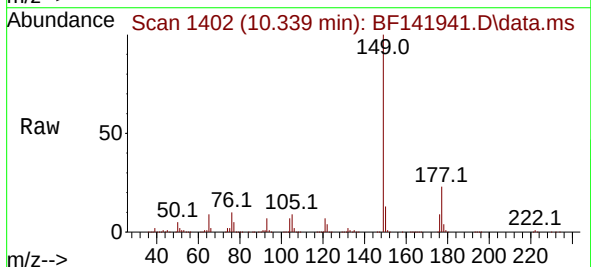
Instrument :
BNA_F
ClientSampleId :
PB167097BS



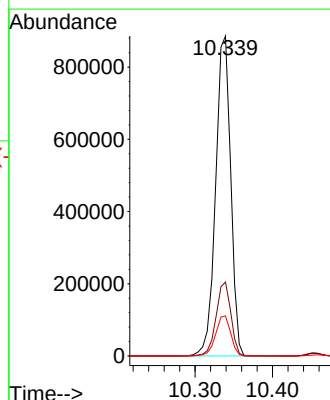
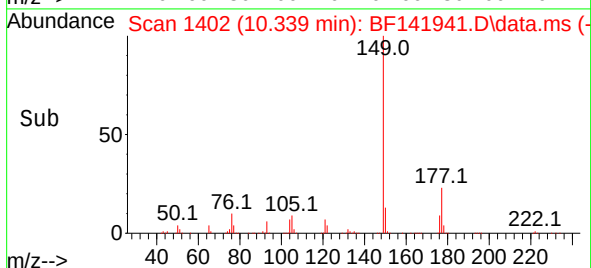
Tgt Ion:232 Resp: 323625
Ion Ratio Lower Upper
232 100
131 46.9 37.3 55.9
130 2.4 1.9 2.9
166 31.0 24.8 37.2

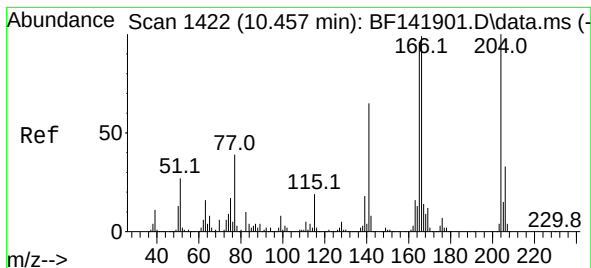


#60
Diethylphthalate
Concen: 44.881 ng
RT: 10.339 min Scan# 1402
Delta R.T. 0.000 min
Lab File: BF141941.D
Acq: 13 Mar 2025 13:17



Tgt Ion:149 Resp: 1194423
Ion Ratio Lower Upper
149 100
177 23.1 18.0 27.0
150 12.5 10.2 15.4

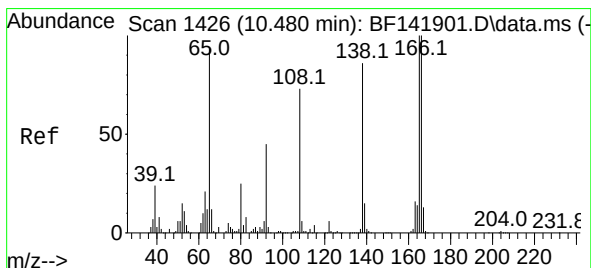
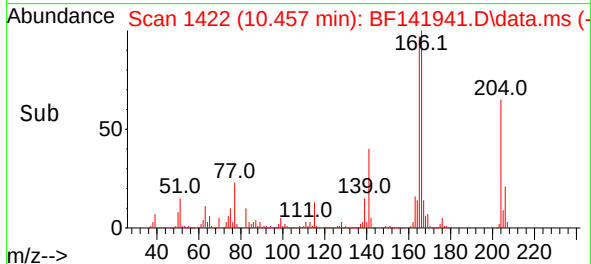
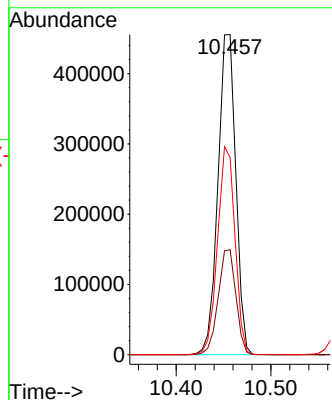
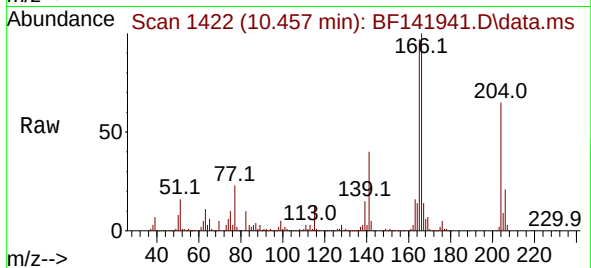




#61
4-Chlorophenyl-phenylether
Concen: 46.224 ng
RT: 10.457 min Scan# 1422
Delta R.T. 0.000 min
Lab File: BF141941.D
Acq: 13 Mar 2025 13:17

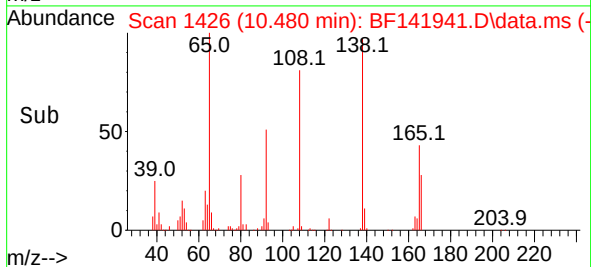
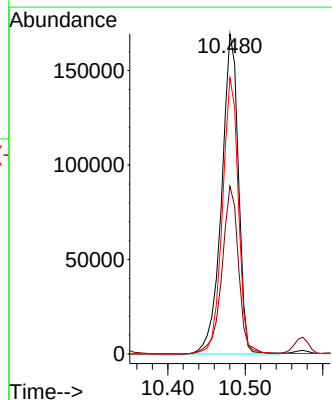
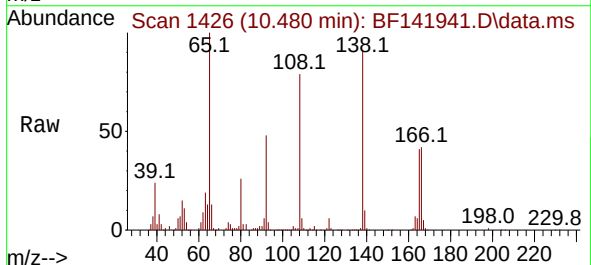
Instrument :
BNA_F
ClientSampleId :
PB167097BS

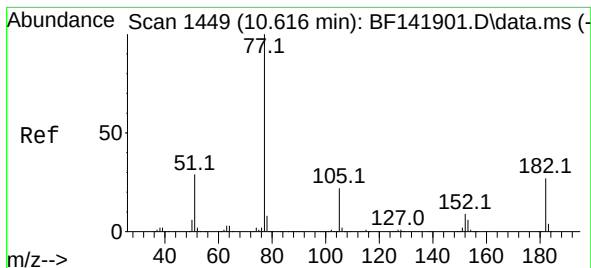
Tgt Ion:204 Resp: 597749
Ion Ratio Lower Upper
204 100
206 32.8 26.8 40.2
141 61.6 52.4 78.6



#62
4-Nitroaniline
Concen: 46.734 ng
RT: 10.480 min Scan# 1426
Delta R.T. 0.000 min
Lab File: BF141941.D
Acq: 13 Mar 2025 13:17

Tgt Ion:138 Resp: 256469
Ion Ratio Lower Upper
138 100
92 52.4 32.6 72.6
108 86.3 65.0 105.0





#63

Azobenzene

Concen: 43.803 ng

RT: 10.616 min Scan# 1449

Delta R.T. 0.000 min

Lab File: BF141941.D

Acq: 13 Mar 2025 13:17

Instrument :

BNA_F

ClientSampleId :

PB167097BS

Tgt Ion: 77 Resp: 1083805

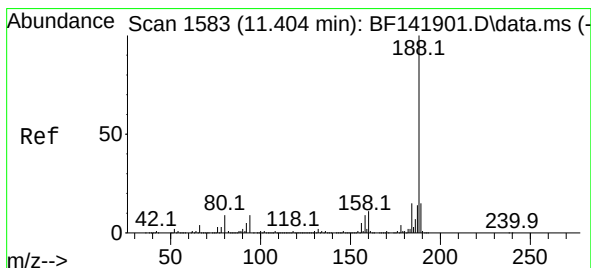
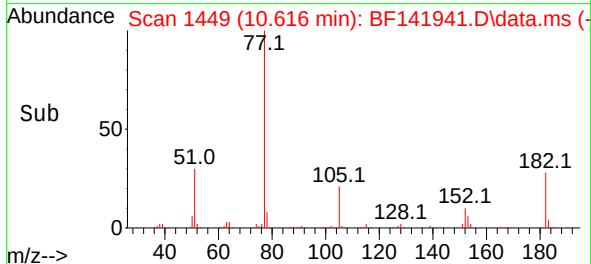
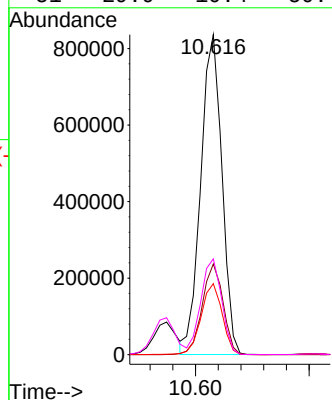
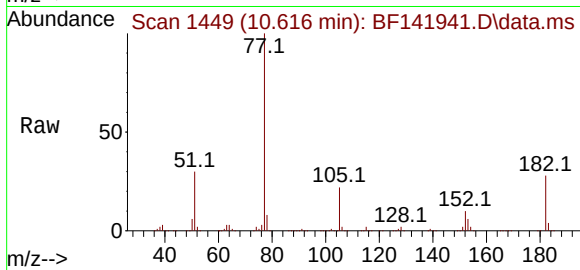
Ion Ratio Lower Upper

77 100

182 28.3 6.6 46.6

105 22.2 1.3 41.3

51 29.9 10.4 50.4



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.398 min Scan# 1582

Delta R.T. -0.006 min

Lab File: BF141941.D

Acq: 13 Mar 2025 13:17

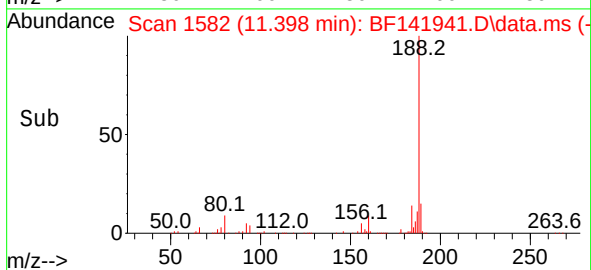
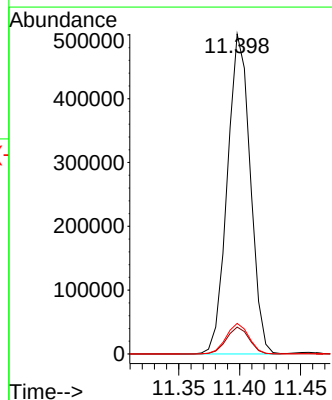
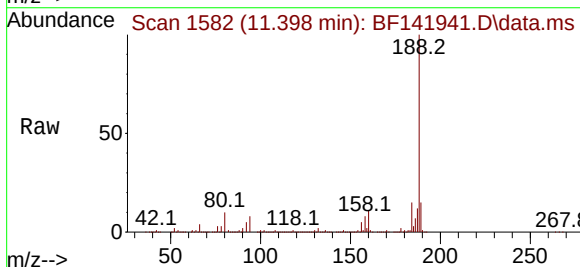
Tgt Ion:188 Resp: 657343

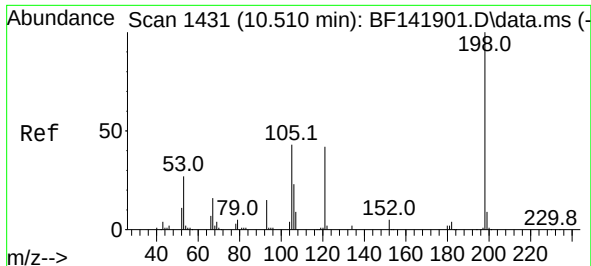
Ion Ratio Lower Upper

188 100

94 8.4 6.8 10.2

80 9.6 7.6 11.4

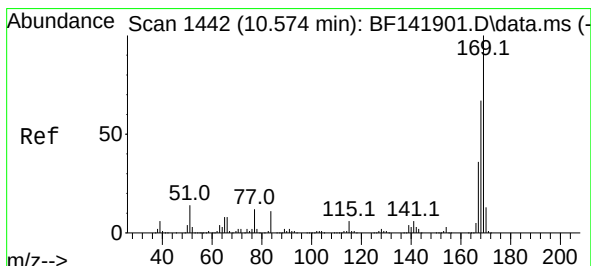
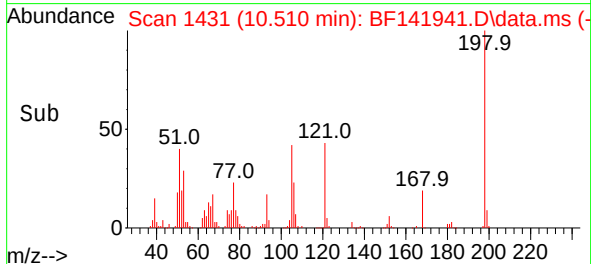
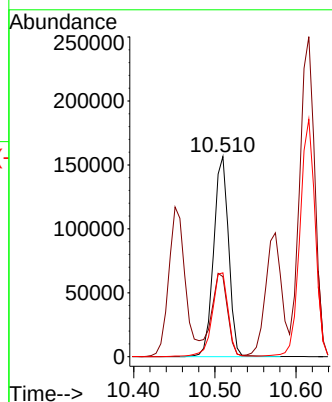
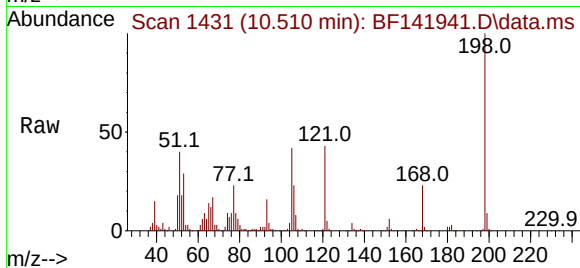




#65
4,6-Dinitro-2-methylphenol
Concen: 50.999 ng
RT: 10.510 min Scan# 1431
Delta R.T. -0.000 min
Lab File: BF141941.D
Acq: 13 Mar 2025 13:17

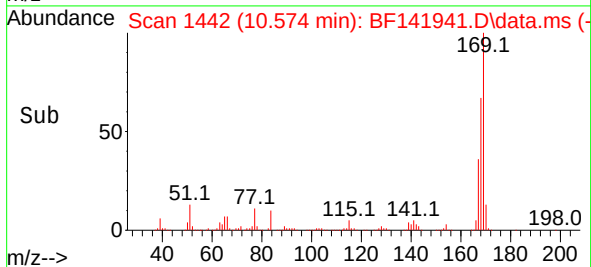
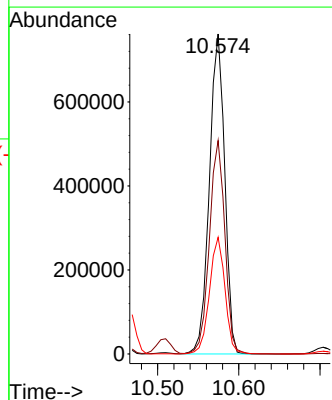
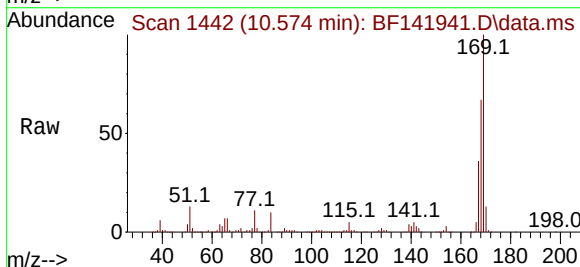
Instrument :
BNA_F
ClientSampleId :
PB167097BS

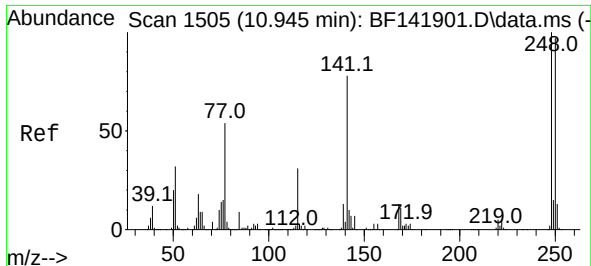
Tgt Ion:198 Resp: 199851
Ion Ratio Lower Upper
198 100
51 40.0 22.3 62.3
105 41.8 23.0 63.0



#66
n-Nitrosodiphenylamine
Concen: 46.890 ng
RT: 10.574 min Scan# 1442
Delta R.T. 0.000 min
Lab File: BF141941.D
Acq: 13 Mar 2025 13:17

Tgt Ion:169 Resp: 997450
Ion Ratio Lower Upper
169 100
168 66.7 53.7 80.5
167 36.5 29.2 43.8

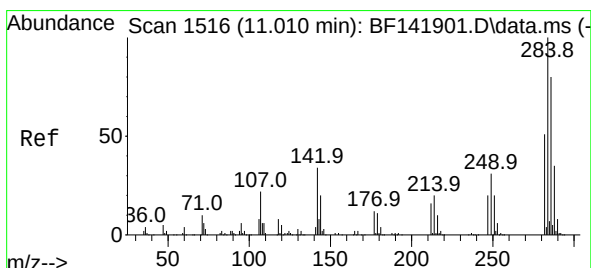
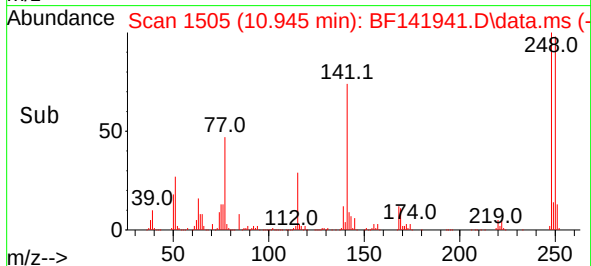
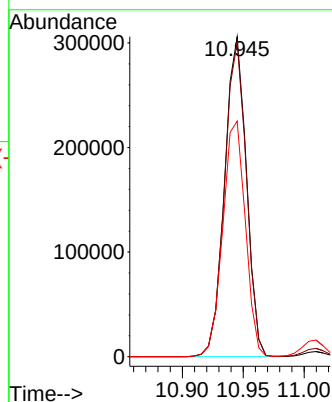
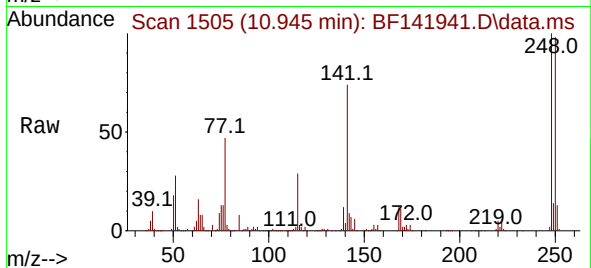




#67
4-Bromophenyl-phenylether
Concen: 46.364 ng
RT: 10.945 min Scan# 1505
Delta R.T. 0.000 min
Lab File: BF141941.D
Acq: 13 Mar 2025 13:17

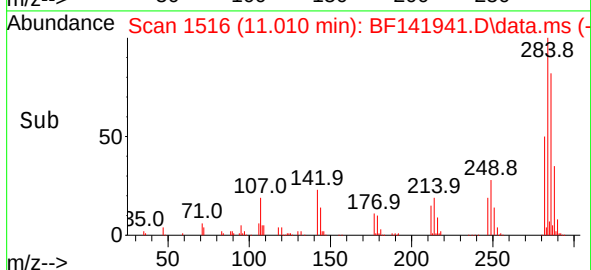
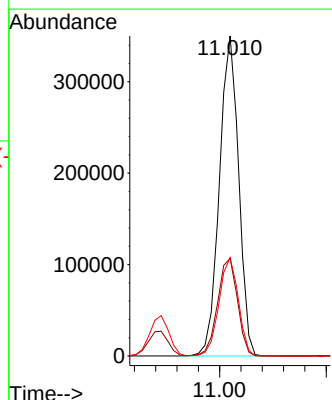
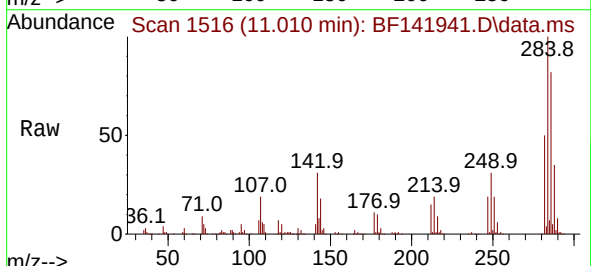
Instrument :
BNA_F
ClientSampleId :
PB167097BS

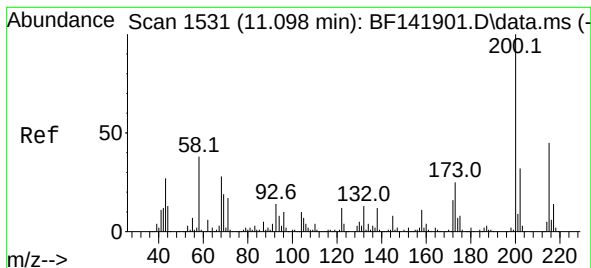
Tgt Ion:248 Resp: 382756
Ion Ratio Lower Upper
248 100
250 98.2 77.8 116.8
141 73.6 62.6 93.8



#68
Hexachlorobenzene
Concen: 48.335 ng
RT: 11.010 min Scan# 1516
Delta R.T. 0.000 min
Lab File: BF141941.D
Acq: 13 Mar 2025 13:17

Tgt Ion:284 Resp: 437639
Ion Ratio Lower Upper
284 100
142 30.5 27.0 40.6
249 30.7 25.2 37.8





#69

Atrazine

Concen: 61.650 ng

RT: 11.098 min Scan# 1531

Delta R.T. -0.000 min

Lab File: BF141941.D

Acq: 13 Mar 2025 13:17

Instrument :

BNA_F

ClientSampleId :

PB167097BS

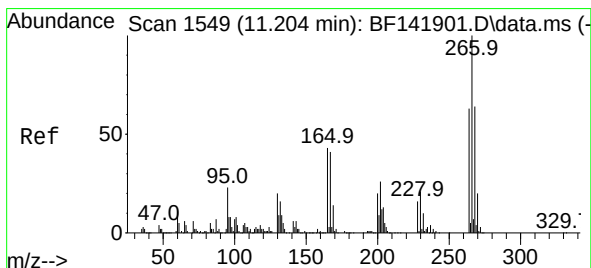
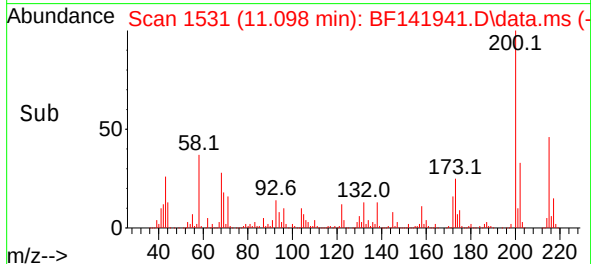
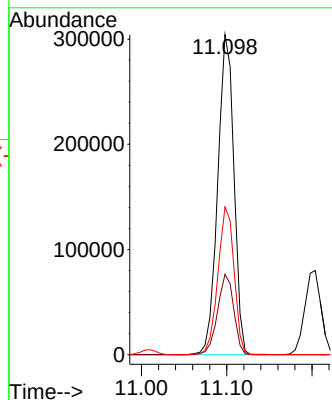
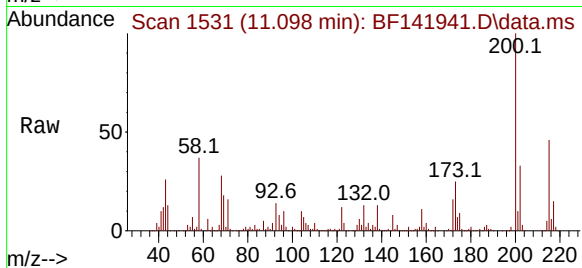
Tgt Ion:200 Resp: 402029

Ion Ratio Lower Upper

200 100

173 25.1 4.7 44.7

215 46.1 25.4 65.4



#70

Pentachlorophenol

Concen: 99.911 ng

RT: 11.204 min Scan# 1549

Delta R.T. 0.000 min

Lab File: BF141941.D

Acq: 13 Mar 2025 13:17

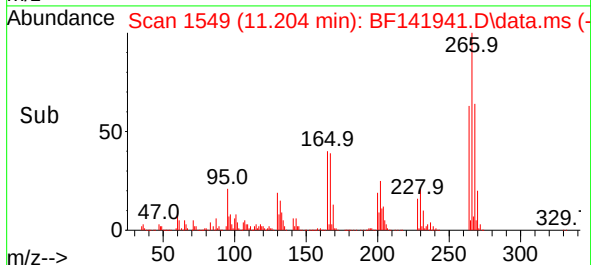
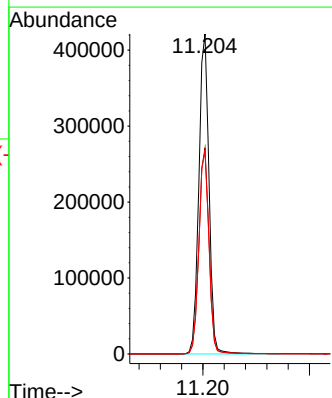
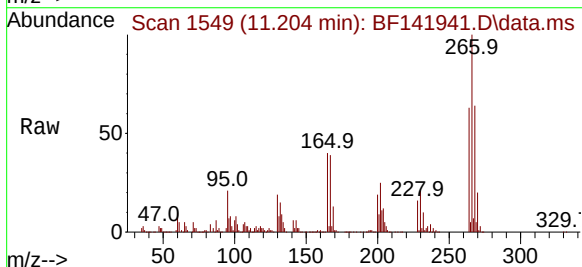
Tgt Ion:266 Resp: 557370

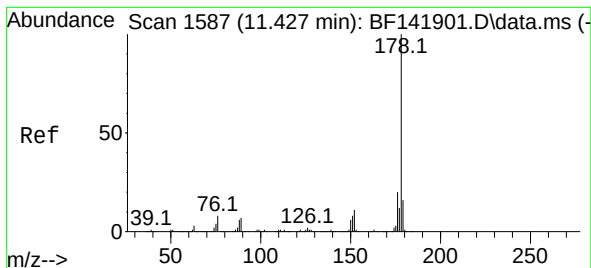
Ion Ratio Lower Upper

266 100

268 64.3 51.0 76.6

264 63.4 50.2 75.2

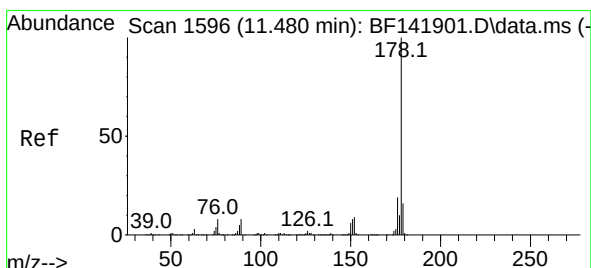
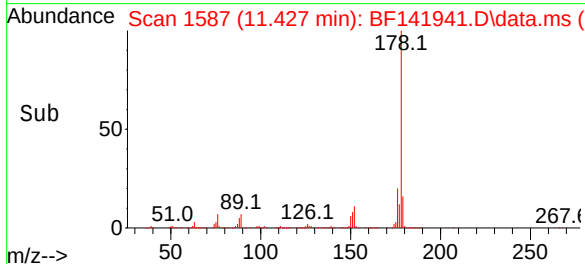
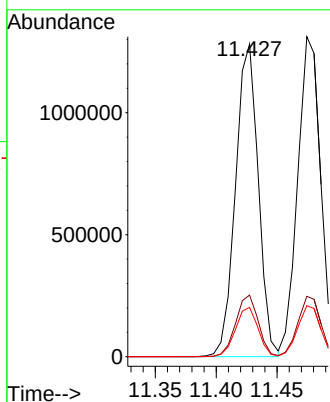
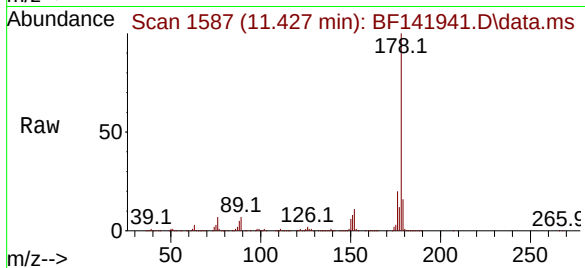




#71
Phenanthrene
Concen: 47.009 ng
RT: 11.427 min Scan# 1587
Delta R.T. 0.000 min
Lab File: BF141941.D
Acq: 13 Mar 2025 13:17

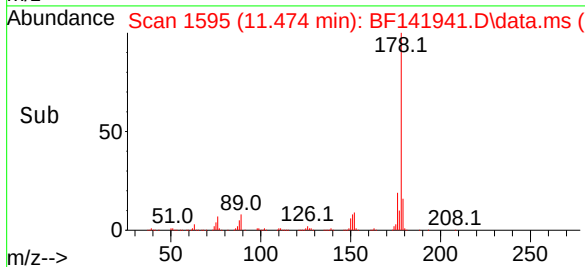
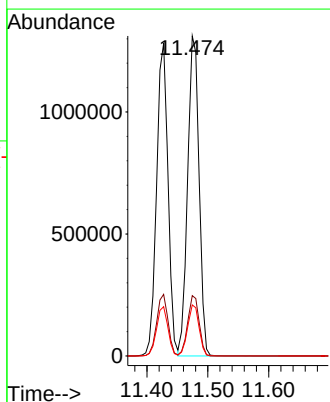
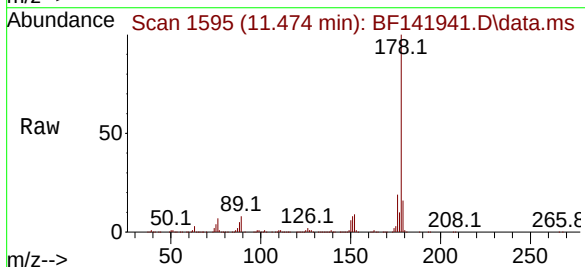
Instrument :
BNA_F
ClientSampleId :
PB167097BS

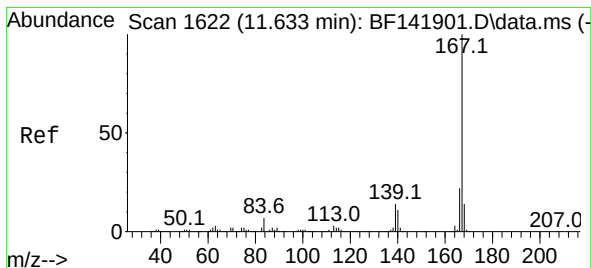
Tgt Ion:178 Resp: 1669056
Ion Ratio Lower Upper
178 100
176 19.7 15.8 23.8
179 15.8 12.6 19.0



#72
Anthracene
Concen: 48.088 ng
RT: 11.474 min Scan# 1595
Delta R.T. -0.006 min
Lab File: BF141941.D
Acq: 13 Mar 2025 13:17

Tgt Ion:178 Resp: 1712956
Ion Ratio Lower Upper
178 100
176 18.8 15.1 22.7
179 16.0 12.6 19.0





#73

Carbazole

Concen: 46.870 ng

RT: 11.627 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF141941.D

Acq: 13 Mar 2025 13:17

Instrument :

BNA_F

ClientSampleId :

PB167097BS

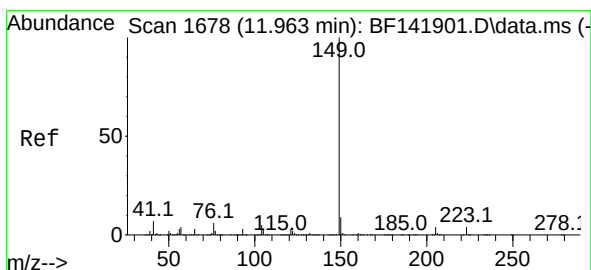
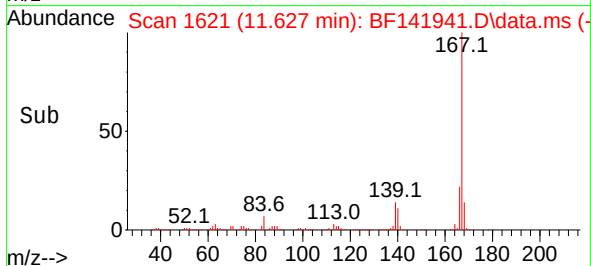
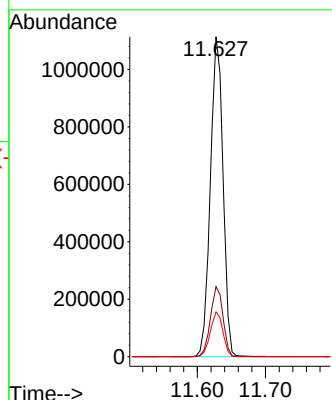
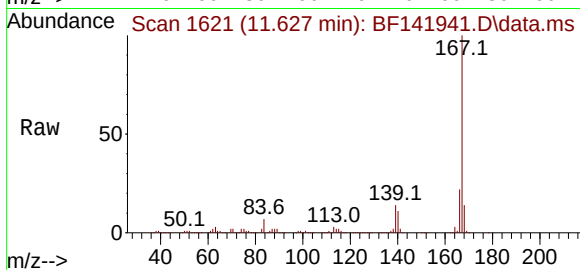
Tgt Ion:167 Resp: 1439856

Ion Ratio Lower Upper

167 100

166 21.9 17.4 26.2

139 14.0 11.0 16.6



#74

Di-n-butylphthalate

Concen: 45.199 ng

RT: 11.957 min Scan# 1677

Delta R.T. -0.006 min

Lab File: BF141941.D

Acq: 13 Mar 2025 13:17

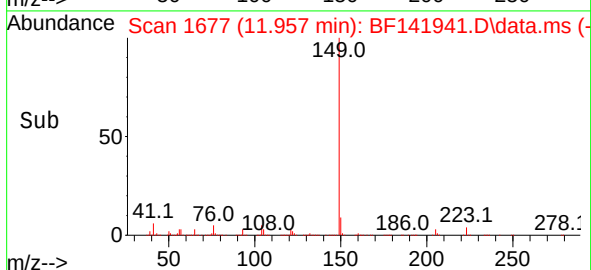
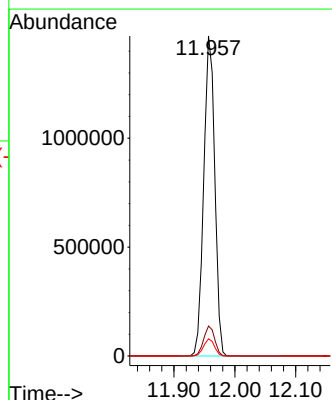
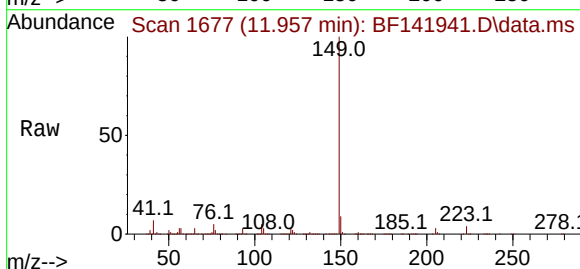
Tgt Ion:149 Resp: 1842392

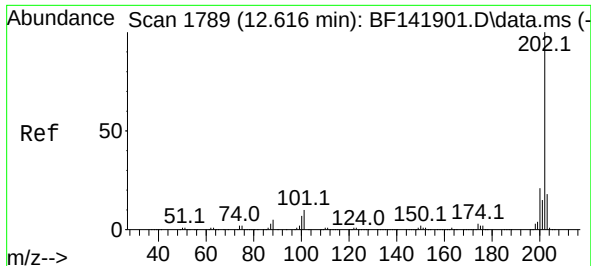
Ion Ratio Lower Upper

149 100

150 9.4 7.6 11.4

104 5.4 4.4 6.6

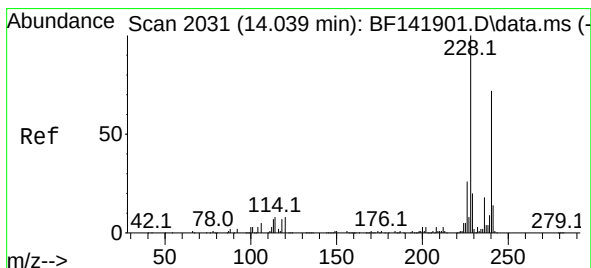
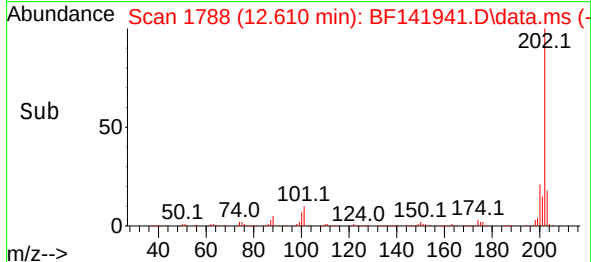
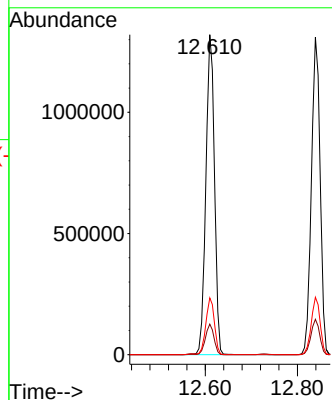
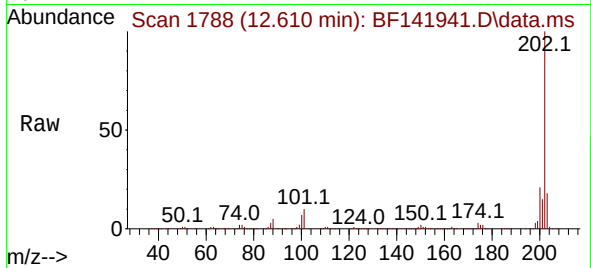




#75
Fluoranthene
Concen: 45.891 ng
RT: 12.610 min Scan# 1788
Delta R.T. -0.006 min
Lab File: BF141941.D
Acq: 13 Mar 2025 13:17

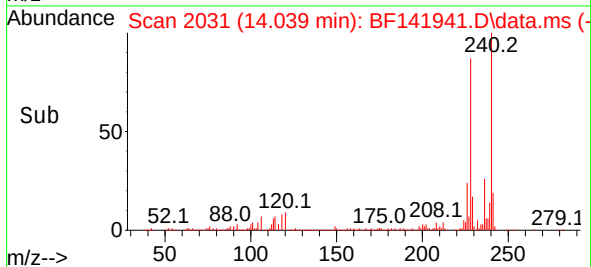
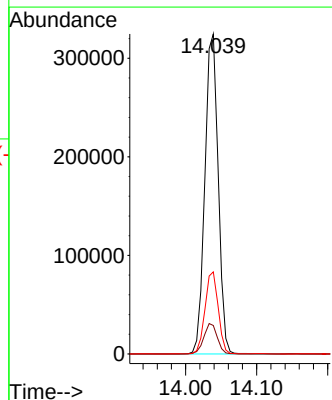
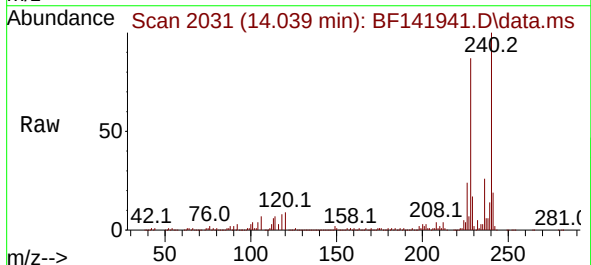
Instrument :
BNA_F
ClientSampleId :
PB167097BS

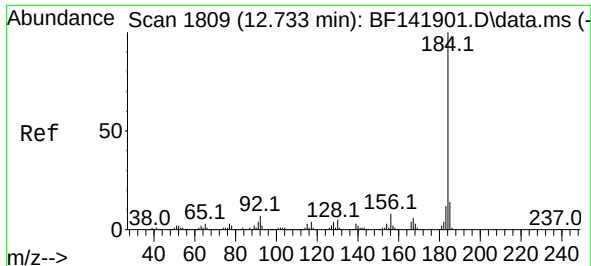
Tgt Ion:202 Resp: 1728401
Ion Ratio Lower Upper
202 100
101 9.6 0.0 29.7
203 17.8 0.0 37.8



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.039 min Scan# 2031
Delta R.T. 0.000 min
Lab File: BF141941.D
Acq: 13 Mar 2025 13:17

Tgt Ion:240 Resp: 424407
Ion Ratio Lower Upper
240 100
120 8.9 8.4 12.6
236 25.7 20.5 30.7

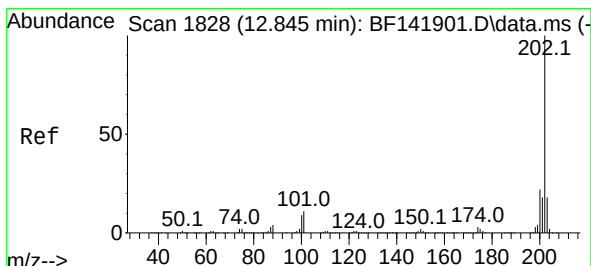
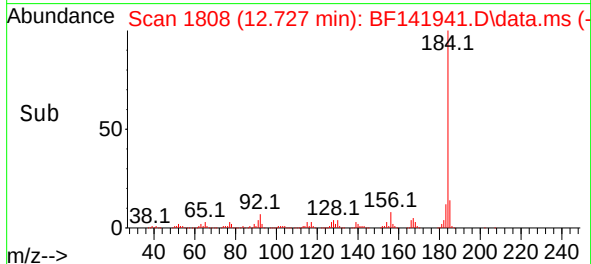
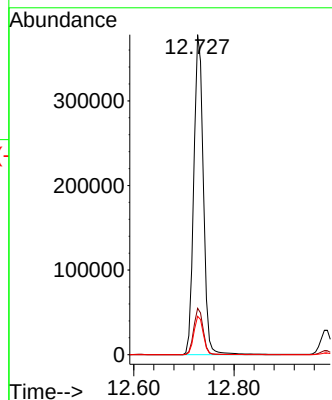
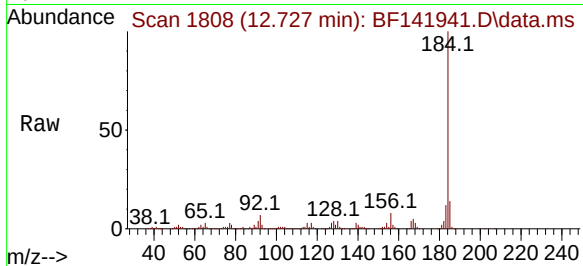




#77
Benzidine
Concen: 84.472 ng
RT: 12.727 min Scan# 1808
Delta R.T. -0.006 min
Lab File: BF141941.D
Acq: 13 Mar 2025 13:17

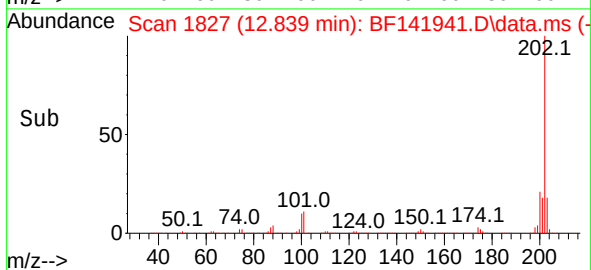
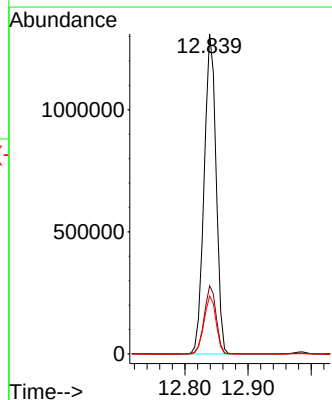
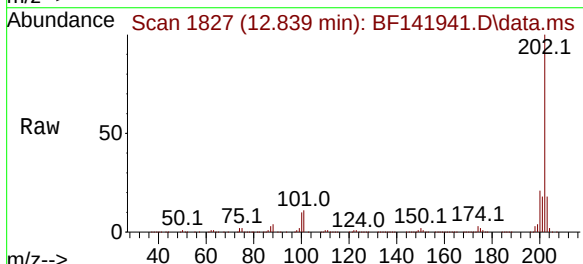
Instrument :
BNA_F
ClientSampleId :
PB167097BS

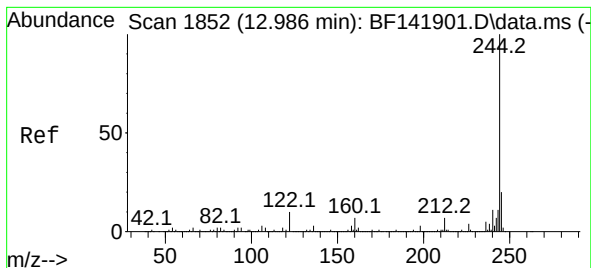
Tgt Ion:184 Resp: 500180
Ion Ratio Lower Upper
184 100
185 14.5 11.5 17.3
183 12.0 9.7 14.5



#78
Pyrene
Concen: 46.834 ng
RT: 12.839 min Scan# 1827
Delta R.T. -0.006 min
Lab File: BF141941.D
Acq: 13 Mar 2025 13:17

Tgt Ion:202 Resp: 1719348
Ion Ratio Lower Upper
202 100
200 21.3 17.3 25.9
203 18.1 14.4 21.6





#79

Terphenyl-d14

Concen: 105.142 ng

RT: 12.986 min Scan# 1852

Delta R.T. 0.000 min

Lab File: BF141941.D

Acq: 13 Mar 2025 13:17

Instrument :

BNA_F

ClientSampleId :

PB167097BS

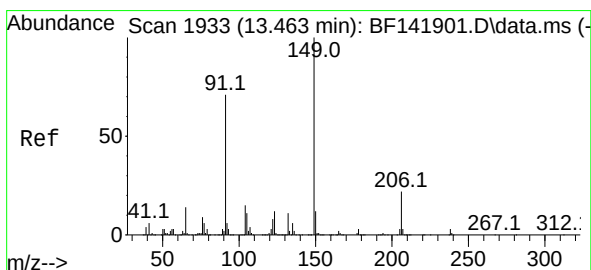
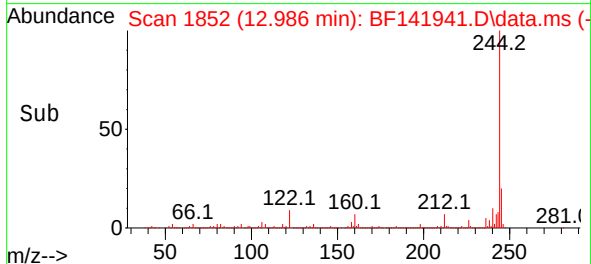
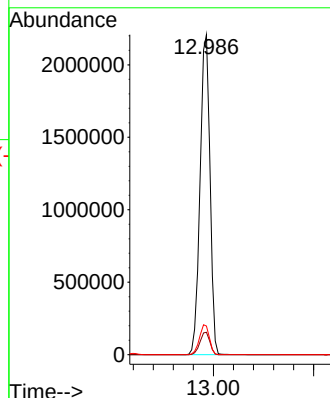
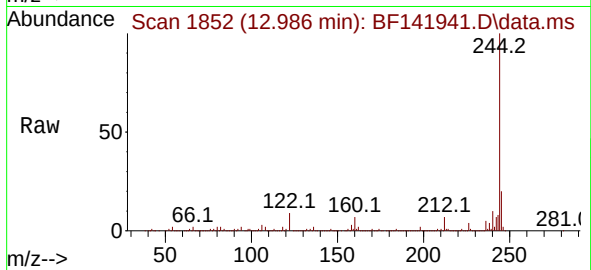
Tgt Ion:244 Resp: 3018229

Ion Ratio Lower Upper

244 100

212 7.0 6.0 9.0

122 8.9 7.7 11.5



#80

Butylbenzylphthalate

Concen: 45.971 ng

RT: 13.457 min Scan# 1932

Delta R.T. -0.006 min

Lab File: BF141941.D

Acq: 13 Mar 2025 13:17

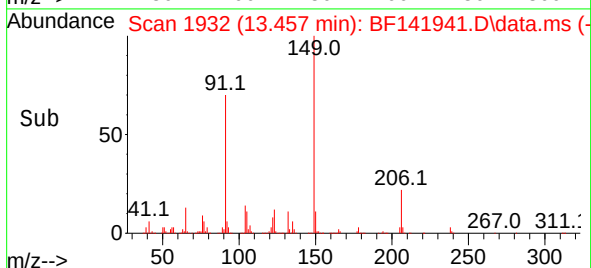
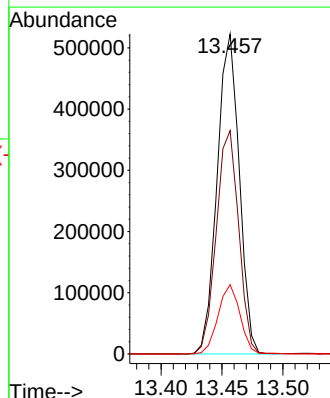
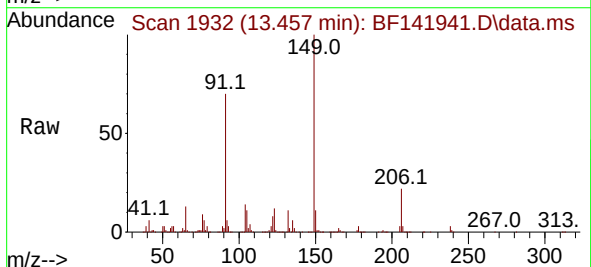
Tgt Ion:149 Resp: 660564

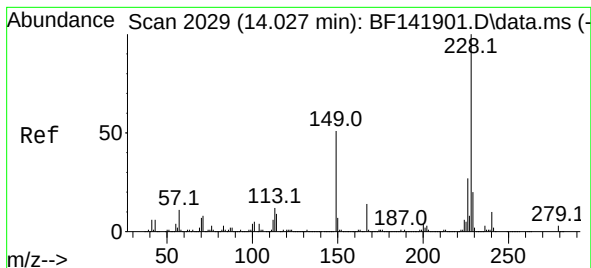
Ion Ratio Lower Upper

149 100

91 69.8 56.5 84.7

206 21.7 17.3 25.9





#81

Benzo(a)anthracene

Concen: 47.211 ng

RT: 14.027 min Scan# 2029

Delta R.T. 0.000 min

Lab File: BF141941.D

Acq: 13 Mar 2025 13:17

Instrument :

BNA_F

ClientSampleId :

PB167097BS

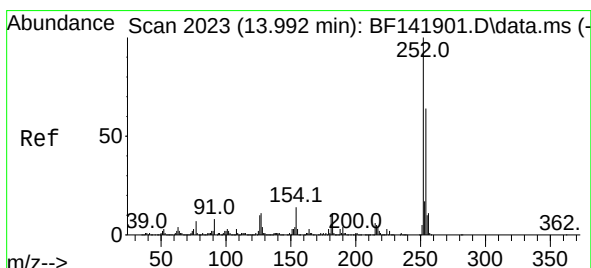
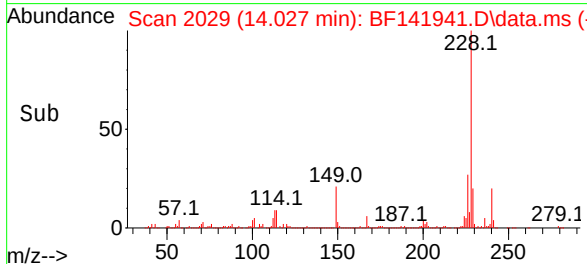
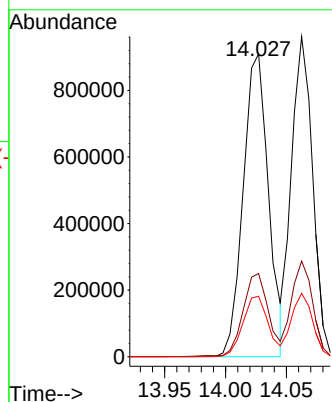
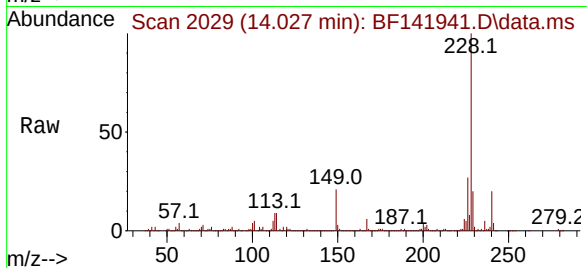
Tgt Ion:228 Resp: 1314815

Ion Ratio Lower Upper

228 100

226 27.5 21.8 32.8

229 20.0 16.0 24.0



#82

3,3'-Dichlorobenzidine

Concen: 28.215 ng

RT: 13.986 min Scan# 2022

Delta R.T. -0.006 min

Lab File: BF141941.D

Acq: 13 Mar 2025 13:17

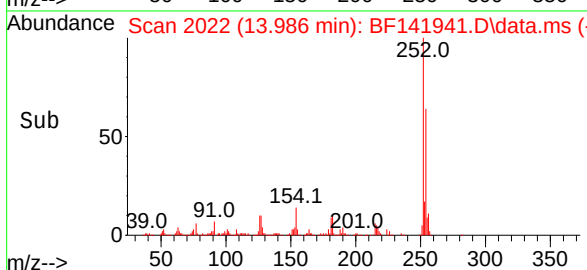
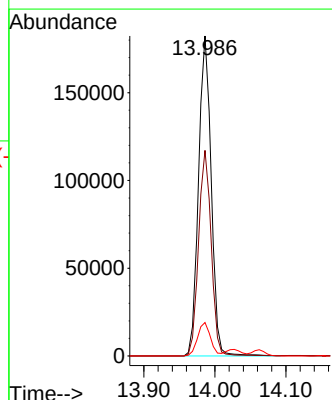
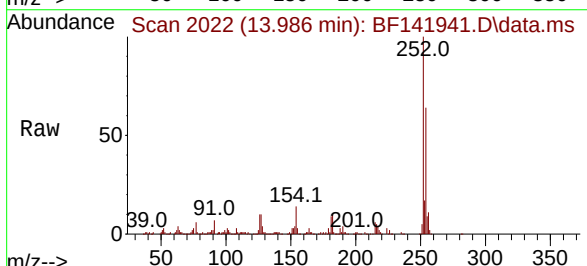
Tgt Ion:252 Resp: 227079

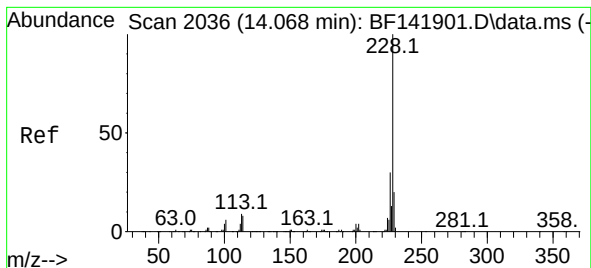
Ion Ratio Lower Upper

252 100

254 64.2 51.0 76.6

126 10.4 8.4 12.6





#83

Chrysene

Concen: 46.252 ng

RT: 14.062 min Scan# 2036

Delta R.T. -0.006 min

Lab File: BF141941.D

Acq: 13 Mar 2025 13:17

Instrument :

BNA_F

ClientSampleId :

PB167097BS

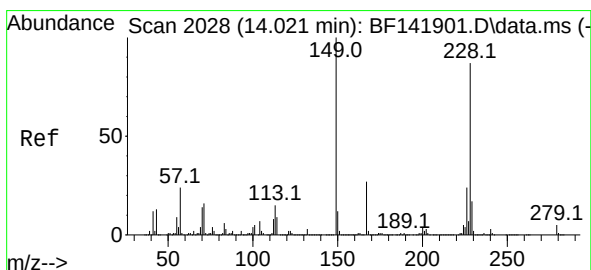
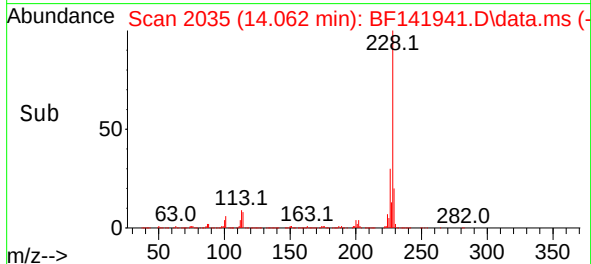
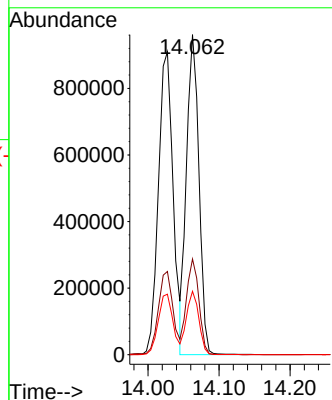
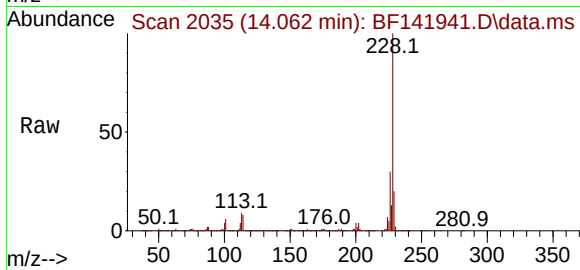
Tgt Ion:228 Resp: 1167619

Ion Ratio Lower Upper

228 100

226 29.9 24.1 36.1

229 19.8 15.7 23.5



#84

Bis(2-ethylhexyl)phthalate

Concen: 44.545 ng

RT: 14.015 min Scan# 2027

Delta R.T. -0.006 min

Lab File: BF141941.D

Acq: 13 Mar 2025 13:17

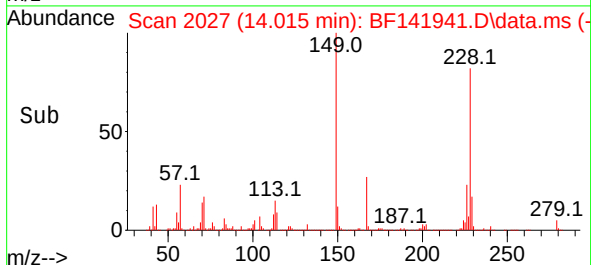
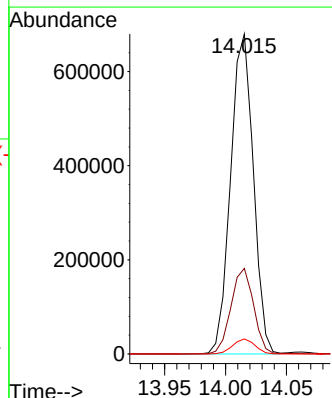
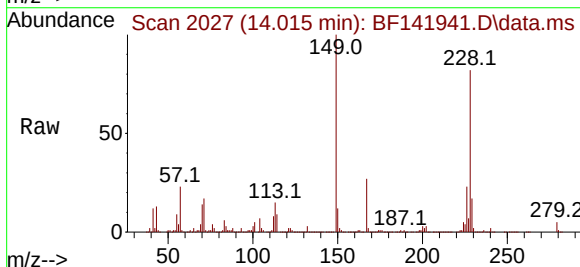
Tgt Ion:149 Resp: 882521

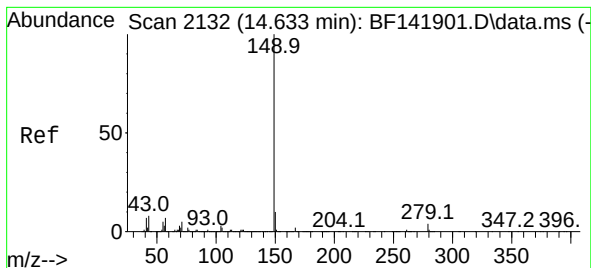
Ion Ratio Lower Upper

149 100

167 26.8 21.4 32.0

279 4.7 3.8 5.6





#85

Di-n-octyl phthalate

Concen: 45.138 ng

RT: 14.627 min Scan# 2132

Delta R.T. -0.006 min

Lab File: BF141941.D

Acq: 13 Mar 2025 13:17

Instrument :

BNA_F

ClientSampleId :

PB167097BS

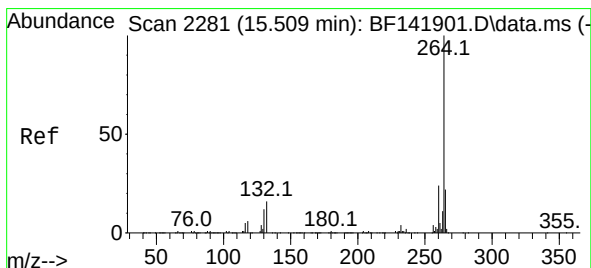
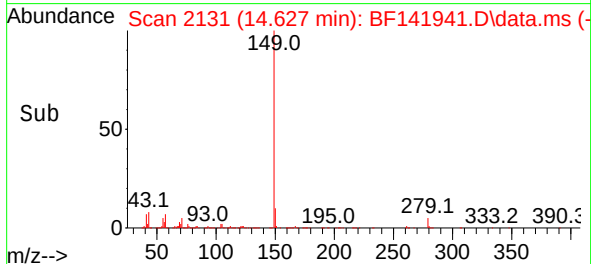
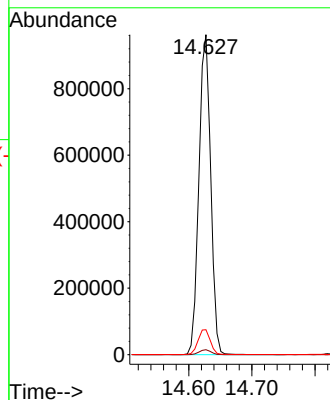
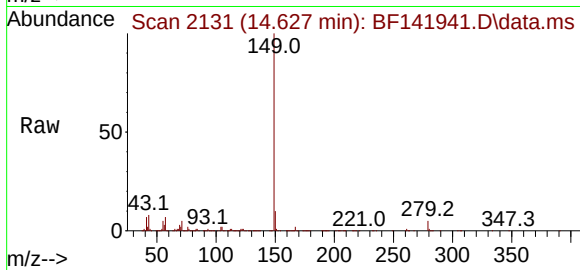
Tgt Ion:149 Resp: 1244287

Ion Ratio Lower Upper

149 100

167 1.6 1.3 1.9

43 8.1 6.9 10.3



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.504 min Scan# 2280

Delta R.T. -0.006 min

Lab File: BF141941.D

Acq: 13 Mar 2025 13:17

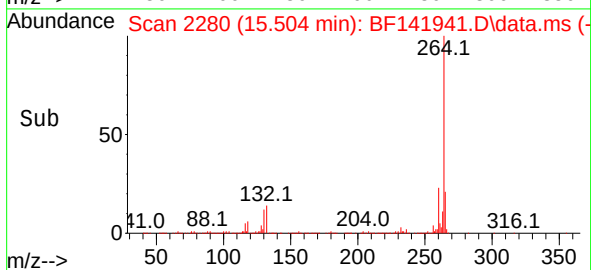
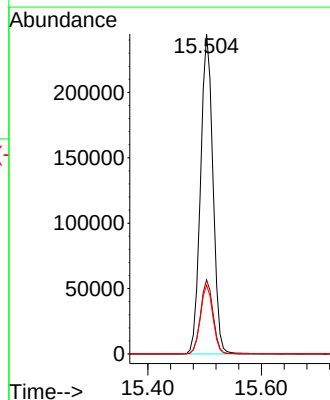
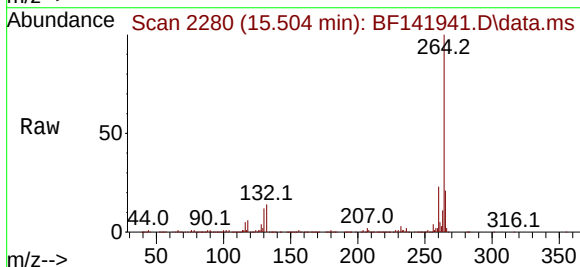
Tgt Ion:264 Resp: 370791

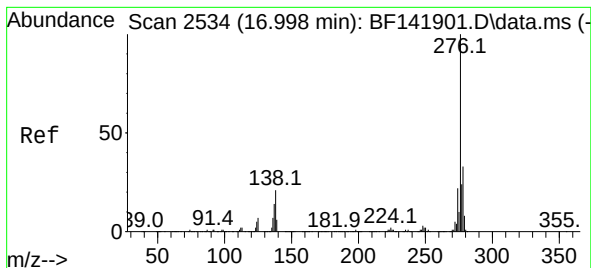
Ion Ratio Lower Upper

264 100

260 23.2 19.1 28.7

265 21.5 17.5 26.3





#87

Indeno(1,2,3-cd)pyrene

Concen: 51.214 ng

RT: 16.992 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF141941.D

Acq: 13 Mar 2025 13:17

Instrument :

BNA_F

ClientSampleId :

PB167097BS

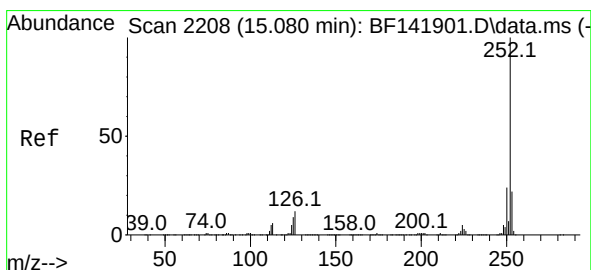
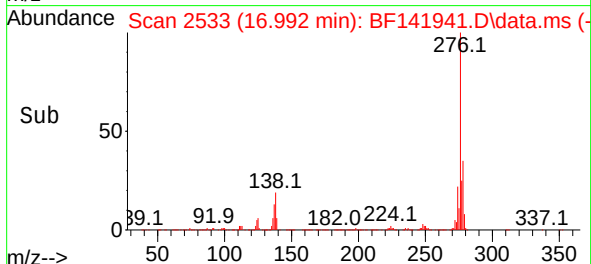
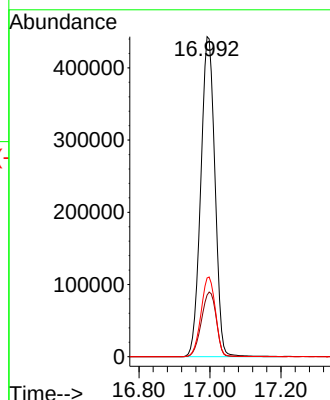
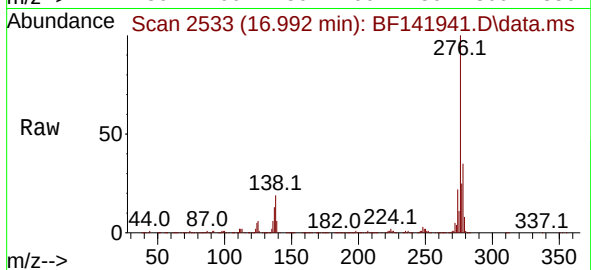
Tgt Ion:276 Resp: 1228415

Ion Ratio Lower Upper

276 100

138 21.2 18.4 27.6

277 25.5 20.3 30.5



#88

Benzo(b)fluoranthene

Concen: 46.317 ng

RT: 15.074 min Scan# 2207

Delta R.T. -0.006 min

Lab File: BF141941.D

Acq: 13 Mar 2025 13:17

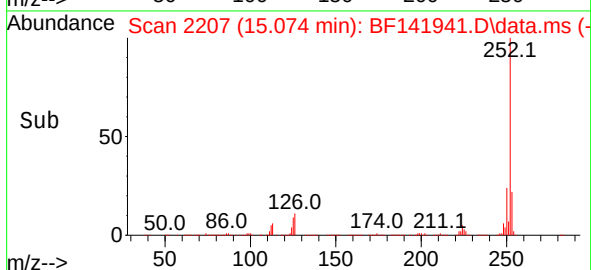
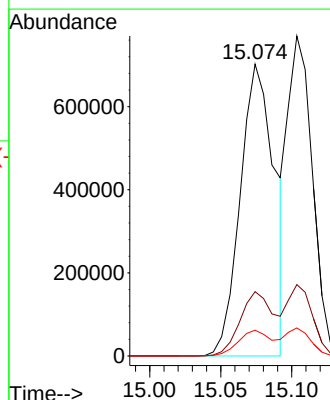
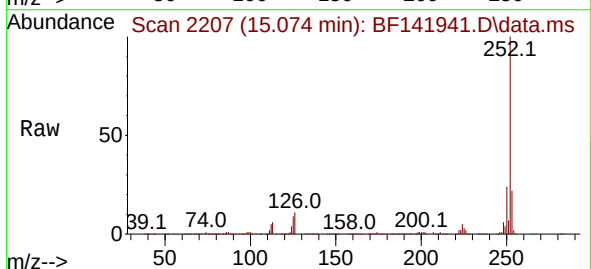
Tgt Ion:252 Resp: 1177030

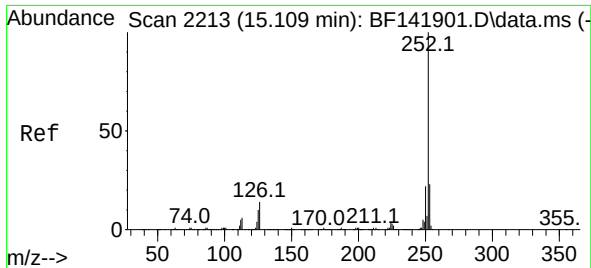
Ion Ratio Lower Upper

252 100

253 22.0 17.5 26.3

125 8.8 7.0 10.4





#89

Benzo(k)fluoranthene

Concen: 43.336 ng

RT: 15.104 min Scan# 2213

Delta R.T. -0.006 min

Lab File: BF141941.D

Acq: 13 Mar 2025 13:17

Instrument :

BNA_F

ClientSampleId :

PB167097BS

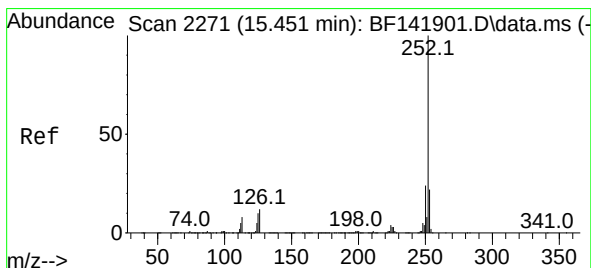
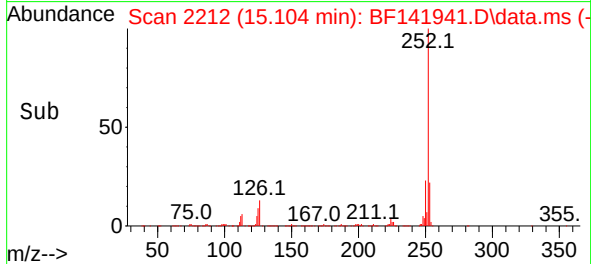
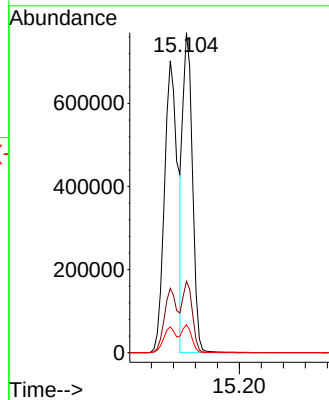
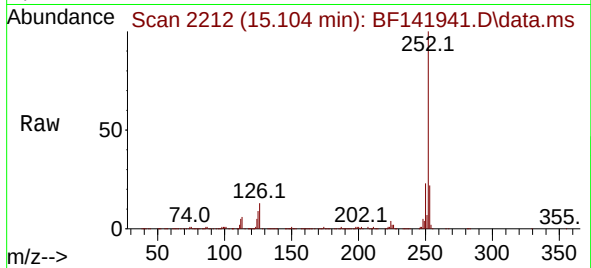
Tgt Ion:252 Resp: 942444

Ion Ratio Lower Upper

252 100

253 22.3 17.7 26.5

125 8.8 7.2 10.8



#90

Benzo(a)pyrene

Concen: 50.093 ng

RT: 15.445 min Scan# 2270

Delta R.T. -0.006 min

Lab File: BF141941.D

Acq: 13 Mar 2025 13:17

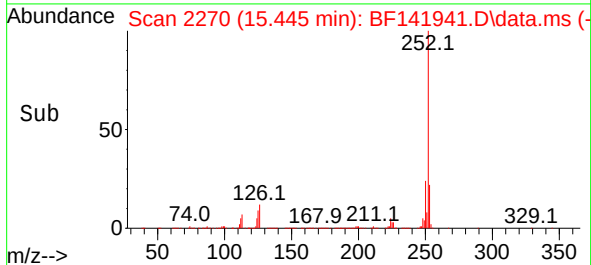
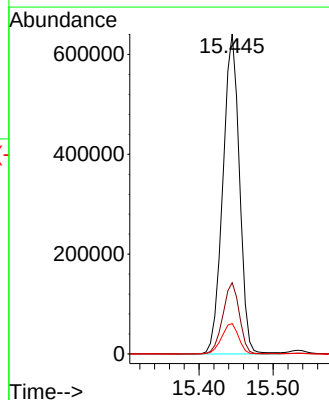
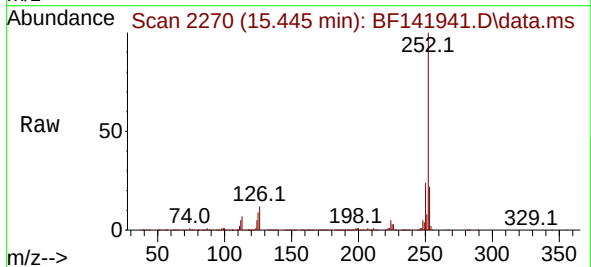
Tgt Ion:252 Resp: 996055

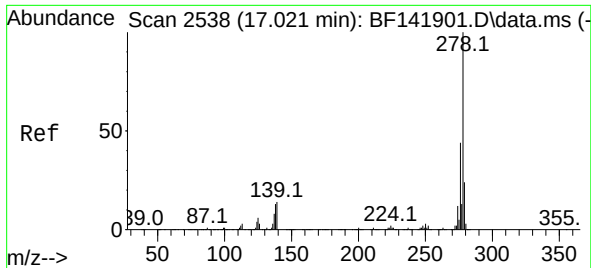
Ion Ratio Lower Upper

252 100

253 22.3 17.4 26.0

125 9.5 7.8 11.8

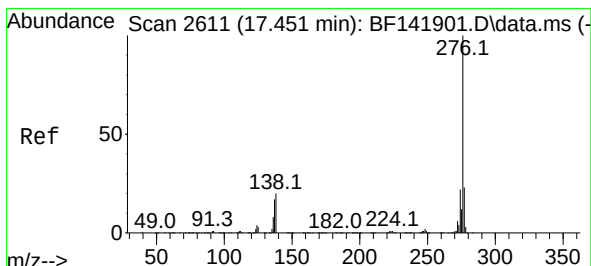
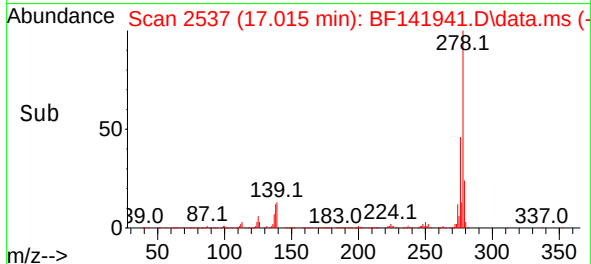
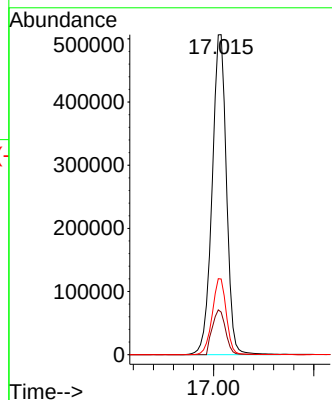
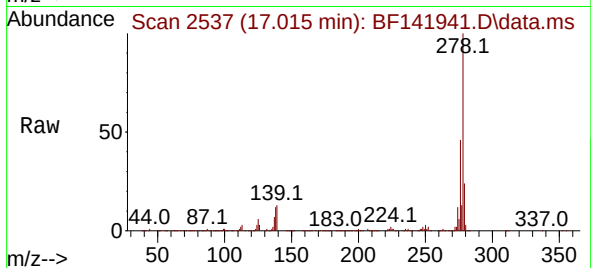




#91
 Dibenzo(a,h)anthracene
 Concen: 50.797 ng
 RT: 17.015 min Scan# 2537
 Delta R.T. -0.006 min
 Lab File: BF141941.D
 Acq: 13 Mar 2025 13:17

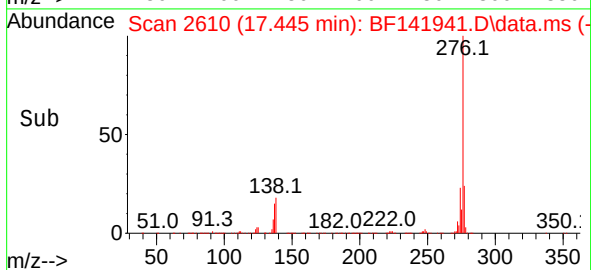
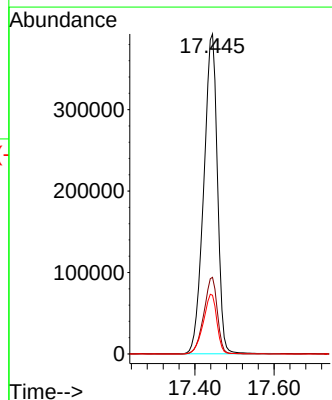
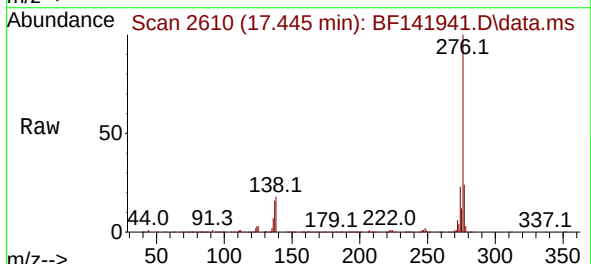
Instrument :
 BNA_F
 ClientSampleId :
 PB167097BS

Tgt Ion:278 Resp: 1005280
 Ion Ratio Lower Upper
 278 100
 139 13.3 11.4 17.2
 279 23.6 18.8 28.2



#92
 Benzo(g,h,i)perylene
 Concen: 47.965 ng
 RT: 17.445 min Scan# 2610
 Delta R.T. -0.006 min
 Lab File: BF141941.D
 Acq: 13 Mar 2025 13:17

Tgt Ion:276 Resp: 938047
 Ion Ratio Lower Upper
 276 100
 277 23.9 18.7 28.1
 138 18.4 15.8 23.8



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF031325\
 Data File : BF141942.D
 Acq On : 13 Mar 2025 13:47
 Operator : RC/JU
 Sample : PB167097BSD
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PB167097BSD

Quant Time: Mar 13 14:35:48 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF031025.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Mar 10 15:46:22 2025
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.875	152	178366	20.000	ng	0.00
21) Naphthalene-d8	8.157	136	702401	20.000	ng	0.00
39) Acenaphthene-d10	9.916	164	401749	20.000	ng	0.00
64) Phenanthrene-d10	11.398	188	683407	20.000	ng	0.00
76) Chrysene-d12	14.033	240	437316	20.000	ng	0.00
86) Perylene-d12	15.504	264	392710	20.000	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.510	112	1413436	132.254	ng	0.02
7) Phenol-d6	6.504	99	1756797	129.108	ng	0.00
23) Nitrobenzene-d5	7.439	82	1163264	93.200	ng	0.00
42) 2,4,6-Tribromophenol	10.704	330	771672	151.406	ng	0.00
45) 2-Fluorobiphenyl	9.233	172	2478502	93.823	ng	0.00
79) Terphenyl-d14	12.980	244	2991728	101.143	ng	0.00

Target Compounds					Qvalue
2) 1,4-Dioxane	2.781	88	187189	41.802	ng 99
3) Pyridine	3.534	79	435192	39.620	ng 99
4) n-Nitrosodimethylamine	3.481	42	222631	42.519	ng 100
6) Aniline	6.540	93	484108	36.064	ng 100
8) 2-Chlorophenol	6.663	128	523341	44.153	ng 99
9) Benzaldehyde	6.428	77	161299	21.195	ng 100
10) Phenol	6.516	94	614836	42.950	ng 96
11) bis(2-Chloroethyl)ether	6.610	93	460371	42.829	ng 99
12) 1,3-Dichlorobenzene	6.816	146	547988	42.823	ng 100
13) 1,4-Dichlorobenzene	6.892	146	556911	43.013	ng 100
14) 1,2-Dichlorobenzene	7.045	146	534852	43.858	ng 99
15) Benzyl Alcohol	7.016	79	471295	42.842	ng 98
16) 2,2'-oxybis(1-Chloropr...	7.151	45	523711	40.357	ng 99
17) 2-Methylphenol	7.122	107	419477	44.510	ng 98
18) Hexachloroethane	7.387	117	207547	42.748	ng 98
19) n-Nitroso-di-n-propyla...	7.292	70	358439	40.995	ng 100
20) 3+4-Methylphenols	7.275	107	531297	44.013	ng 94
22) Acetophenone	7.287	105	793124	47.151	ng 99
24) Nitrobenzene	7.457	77	541451	43.637	ng 100
25) Isophorone	7.698	82	997958	45.232	ng 100
26) 2-Nitrophenol	7.775	139	279514	45.898	ng 99
27) 2,4-Dimethylphenol	7.804	122	459597	54.809	ng 97
28) bis(2-Chloroethoxy)met...	7.904	93	590404	42.665	ng 99
29) 2,4-Dichlorophenol	8.010	162	455855	43.797	ng 99
30) 1,2,4-Trichlorobenzene	8.098	180	495238	43.176	ng 98
31) Naphthalene	8.181	128	1520406	42.138	ng 100
32) Benzoic acid	7.934	122	383964	52.090	ng 99
33) 4-Chloroaniline	8.222	127	231327	18.162	ng 99
34) Hexachlorobutadiene	8.298	225	329952	44.109	ng 99
35) Caprolactam	8.598	113	81354	25.637	ng 92
36) 4-Chloro-3-methylphenol	8.704	107	500230	43.084	ng 98
37) 2-Methylnaphthalene	8.869	142	1001009	41.506	ng 100
38) 1-Methylnaphthalene	8.969	142	974037	41.853	ng 100
40) 1,2,4,5-Tetrachloroben...	9.039	216	583297	47.688	ng 97
41) Hexachlorocyclopentadiene	9.022	237	787555	164.521	ng 100
43) 2,4,6-Trichlorophenol	9.145	196	360707	45.123	ng 99

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF031325\
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 Operator : RC/JU
 Sample : PB167097BSD
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

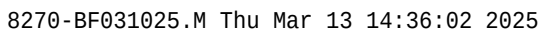
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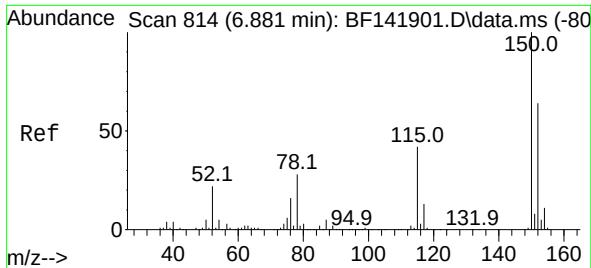
Quant Time: Mar 13 14:35:48 2025
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 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Mar 10 15:46:22 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.186	196	370018	45.703	ng	99
46) 1,1'-Biphenyl	9.334	154	1464225	47.967	ng	100
47) 2-Chloronaphthalene	9.363	162	994179	43.696	ng	99
48) 2-Nitroaniline	9.451	65	298045	45.243	ng	98
49) Acenaphthylene	9.775	152	1557169	46.120	ng	100
50) Dimethylphthalate	9.639	163	1194632	42.463	ng	100
51) 2,6-Dinitrotoluene	9.698	165	263529	44.989	ng	94
52) Acenaphthene	9.951	154	1177793	49.639	ng	98
53) 3-Nitroaniline	9.863	138	159486	26.841	ng	98
54) 2,4-Dinitrophenol	9.969	184	320573	94.980	ng	# 52
55) Dibenzofuran	10.122	168	1424322	42.011	ng	99
56) 4-Nitrophenol	10.022	139	435956	97.292	ng	99
57) 2,4-Dinitrotoluene	10.098	165	359870	47.038	ng	97
58) Fluorene	10.463	166	1136451	43.467	ng	99
59) 2,3,4,6-Tetrachlorophenol	10.233	232	323646	43.930	ng	100
60) Diethylphthalate	10.339	149	1198598	42.727	ng	100
61) 4-Chlorophenyl-phenyle...	10.451	204	594729	43.631	ng	99
62) 4-Nitroaniline	10.480	138	255806	44.221	ng	99
63) Azobenzene	10.616	77	1090059	41.795	ng	98
65) 4,6-Dinitro-2-methylph...	10.510	198	203376	49.919	ng	95
66) n-Nitrosodiphenylamine	10.575	169	990749	44.799	ng	99
67) 4-Bromophenyl-phenylether	10.945	248	379973	44.271	ng	97
68) Hexachlorobenzene	11.010	284	442267	46.983	ng	95
69) Atrazine	11.098	200	400827	59.122	ng	99
70) Pentachlorophenol	11.204	266	554214	95.557	ng	99
71) Phenanthrene	11.427	178	1661922	45.023	ng	100
72) Anthracene	11.475	178	1697853	45.846	ng	100
73) Carbazole	11.627	167	1421538	44.509	ng	100
74) Di-n-butylphthalate	11.957	149	1824481	43.052	ng	100
75) Fluoranthene	12.610	202	1694947	43.287	ng	100
77) Benzidine	12.727	184	545926	89.476	ng	100
78) Pyrene	12.839	202	1692747	44.748	ng	99
80) Butylbenzylphthalate	13.457	149	646504	43.665	ng	98
81) Benzo(a)anthracene	14.021	228	1329501	46.329	ng	100
82) 3,3'-Dichlorobenzidine	13.986	252	247002	29.785	ng	99
83) Chrysene	14.063	228	1152190	44.293	ng	99
84) Bis(2-ethylhexyl)phtha...	14.016	149	866554	42.448	ng	99
85) Di-n-octyl phthalate	14.627	149	1235348	43.491	ng	99
87) Indeno(1,2,3-cd)pyrene	16.992	276	1234216	48.584	ng	98
88) Benzo(b)fluoranthene	15.074	252	1060224	39.392	ng	99
89) Benzo(k)fluoranthene	15.104	252	1055343	45.819	ng	99
90) Benzo(a)pyrene	15.445	252	995119	47.252	ng	99
91) Dibenzo(a,h)anthracene	17.009	278	1018402	48.588	ng	99
92) Benzo(g,h,i)perylene	17.445	276	942720	45.514	ng	98

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

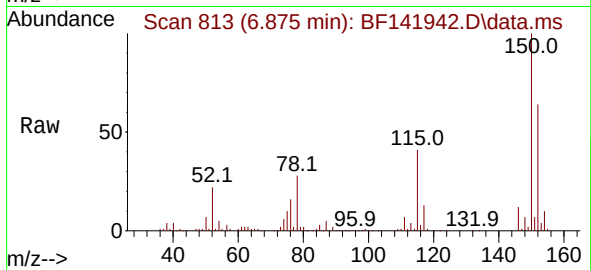
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Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF031025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Mar 10 15:46:22 2025
Response via : Initial Calibration



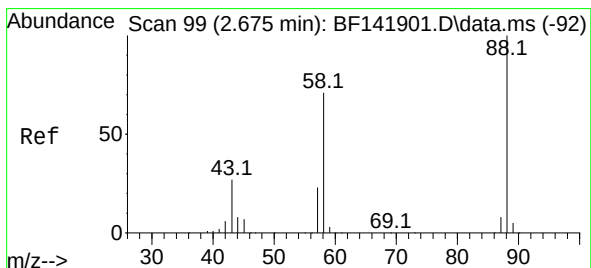
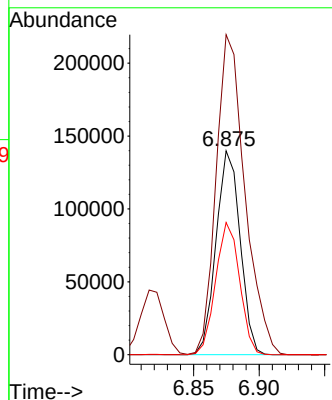
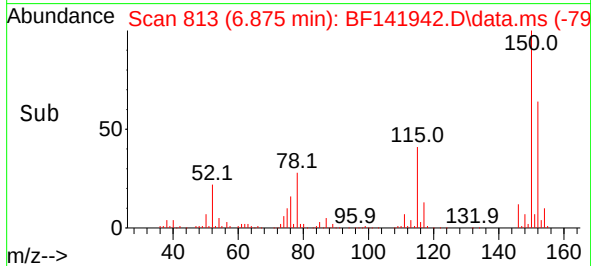


#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.875 min Scan# 814
Delta R.T. -0.006 min
Lab File: BF141942.D
Acq: 13 Mar 2025 13:47

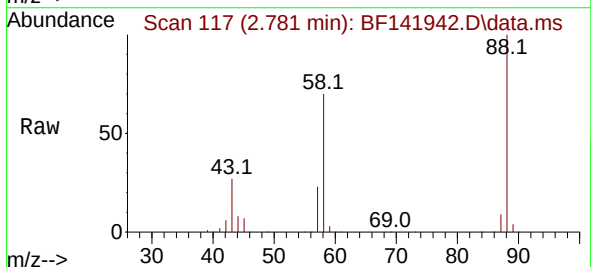
Instrument :
BNA_F
ClientSampleId :
PB167097BSD



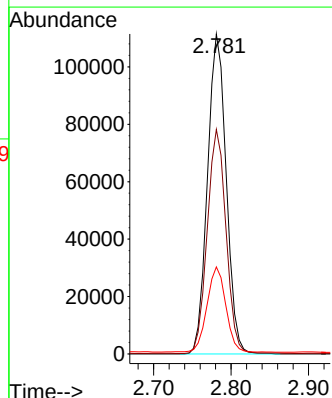
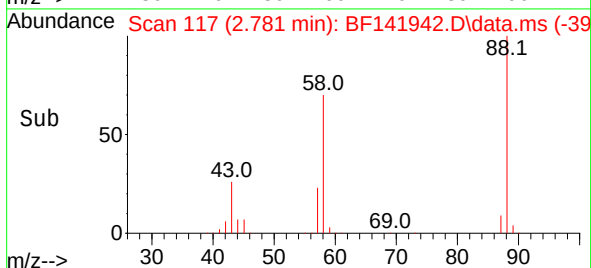
Tgt Ion:152 Resp: 178366
Ion Ratio Lower Upper
152 100
150 157.0 127.4 191.2
115 64.9 51.9 77.9

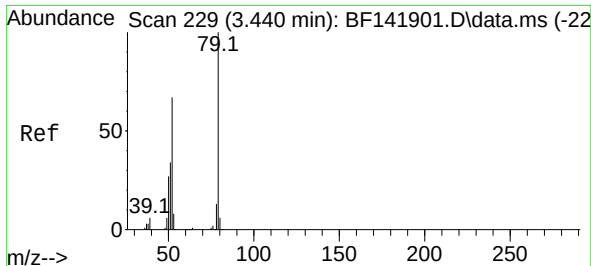


#2
1,4-Dioxane
Concen: 41.802 ng
RT: 2.781 min Scan# 117
Delta R.T. 0.106 min
Lab File: BF141942.D
Acq: 13 Mar 2025 13:47



Tgt Ion: 88 Resp: 187189
Ion Ratio Lower Upper
88 100
58 70.1 57.4 86.2
43 26.8 21.5 32.3





#3

Pyridine

Concen: 39.620 ng

RT: 3.534 min Scan# 245

Delta R.T. 0.094 min

Lab File: BF141942.D

Acq: 13 Mar 2025 13:47

Instrument :

BNA_F

ClientSampleId :

PB167097BSD

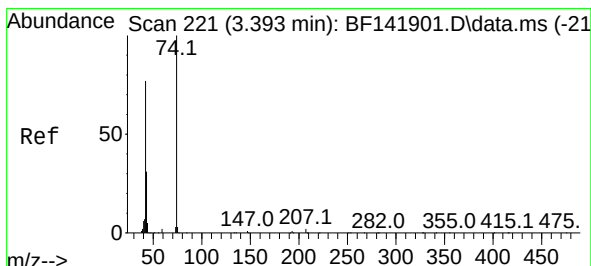
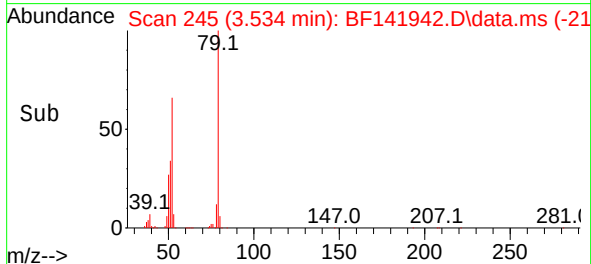
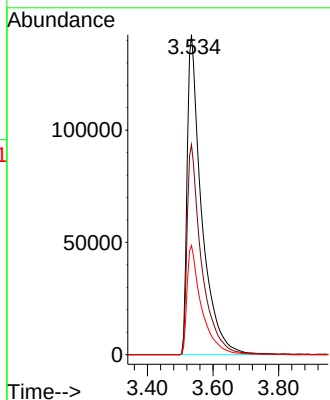
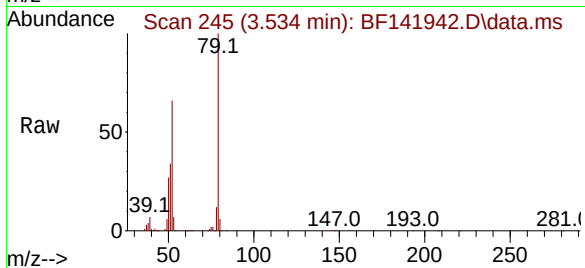
Tgt Ion: 79 Resp: 435192

Ion Ratio Lower Upper

79 100

52 65.7 53.3 79.9

51 34.1 27.6 41.4



#4

n-Nitrosodimethylamine

Concen: 42.519 ng

RT: 3.481 min Scan# 236

Delta R.T. 0.088 min

Lab File: BF141942.D

Acq: 13 Mar 2025 13:47

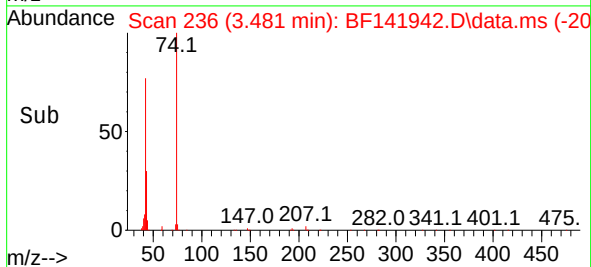
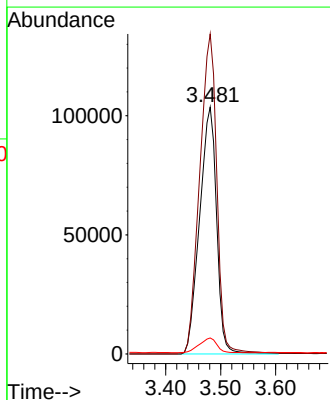
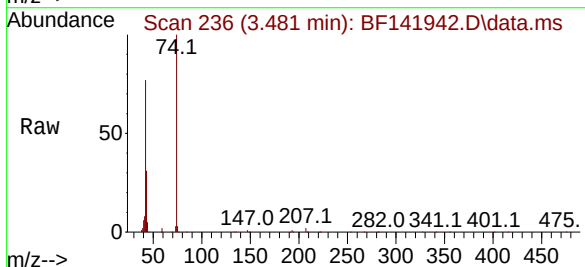
Tgt Ion: 42 Resp: 222631

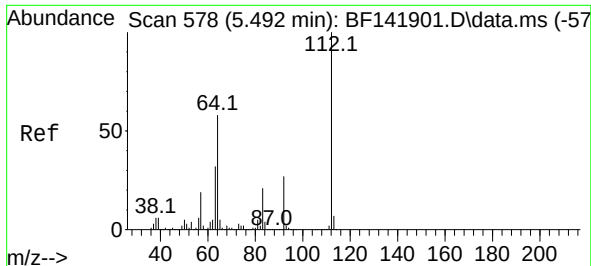
Ion Ratio Lower Upper

42 100

74 129.6 103.4 155.0

44 6.5 5.0 7.4

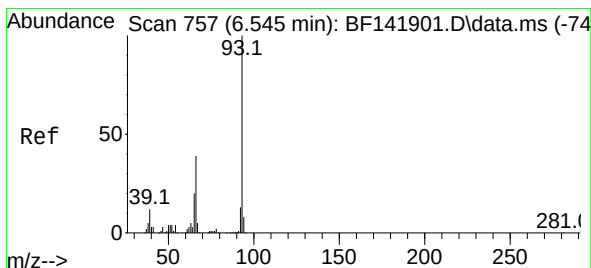
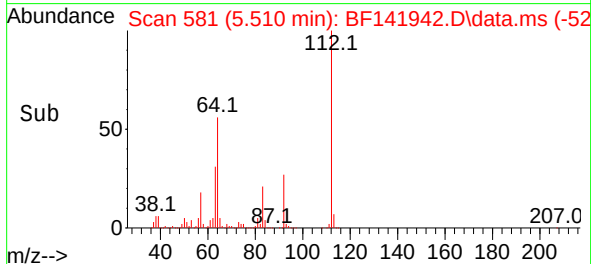
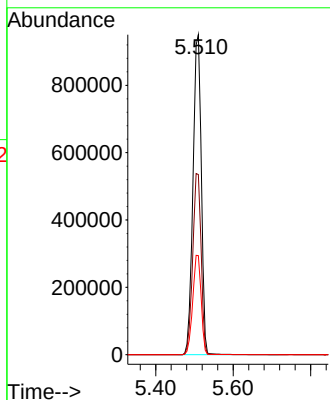
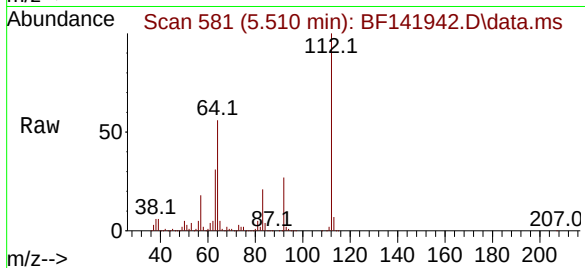




#5
2-Fluorophenol
Concen: 132.254 ng
RT: 5.510 min Scan# 51
Delta R.T. 0.018 min
Lab File: BF141942.D
Acq: 13 Mar 2025 13:47

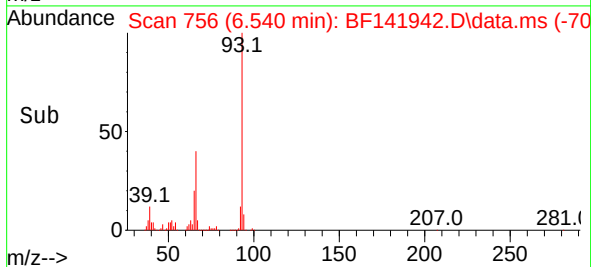
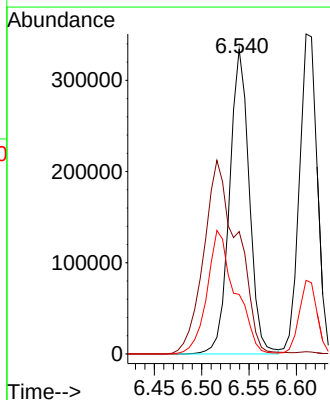
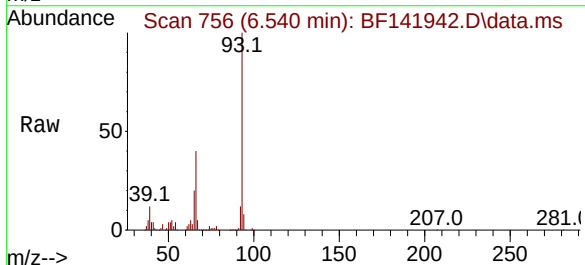
Instrument :
BNA_F
ClientSampleId :
PB167097BSD

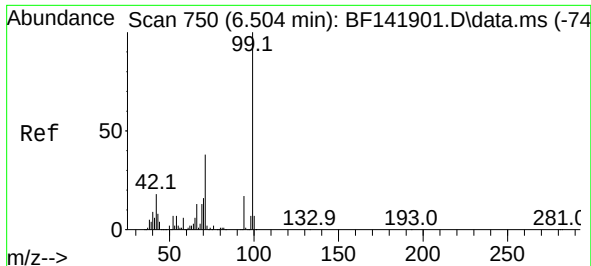
Tgt Ion:112 Resp: 1413436
Ion Ratio Lower Upper
112 100
64 56.3 46.5 69.7
63 30.9 25.4 38.2



#6
Aniline
Concen: 36.064 ng
RT: 6.540 min Scan# 756
Delta R.T. -0.006 min
Lab File: BF141942.D
Acq: 13 Mar 2025 13:47

Tgt Ion: 93 Resp: 484108
Ion Ratio Lower Upper
93 100
66 40.1 31.9 47.9
65 19.5 15.8 23.6

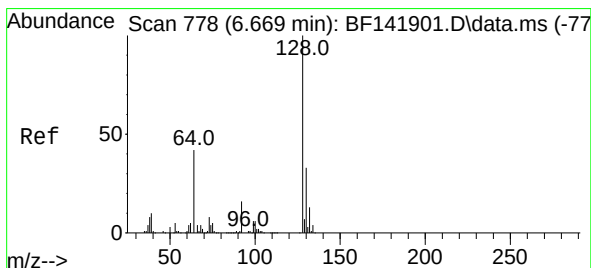
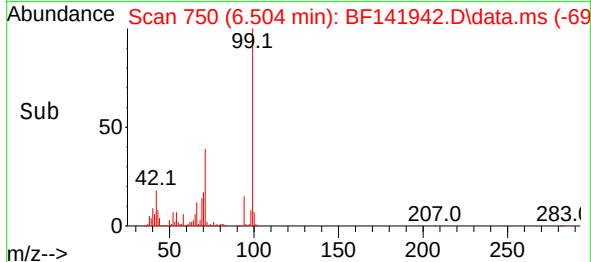
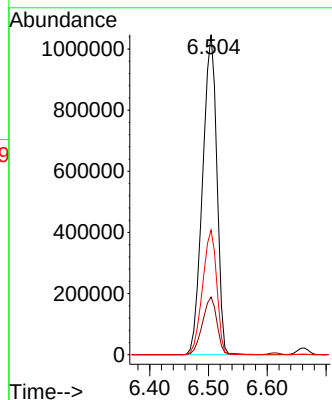
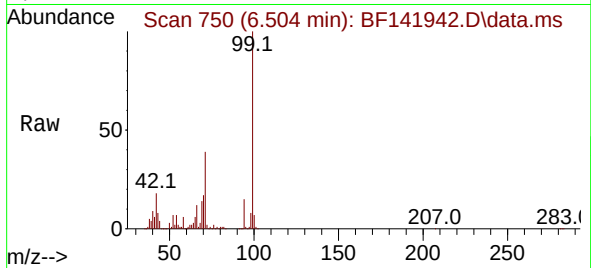




#7
Phenol-d6
Concen: 129.108 ng
RT: 6.504 min Scan# 750
Delta R.T. 0.000 min
Lab File: BF141942.D
Acq: 13 Mar 2025 13:47

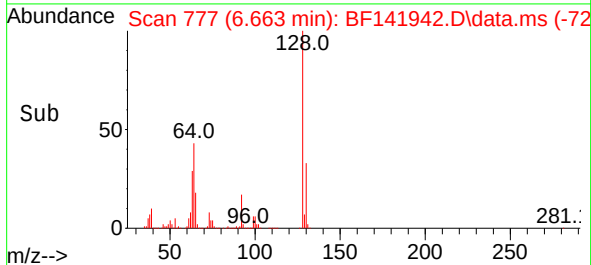
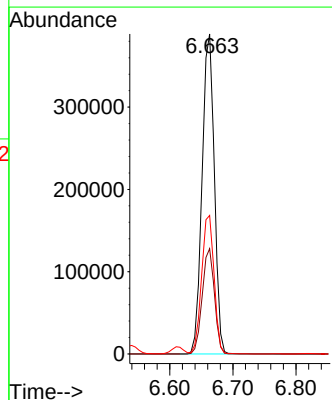
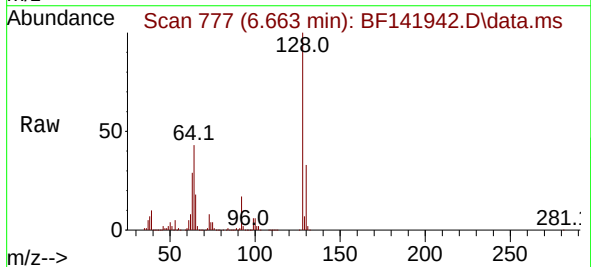
Instrument :
BNA_F
ClientSampleId :
PB167097BSD

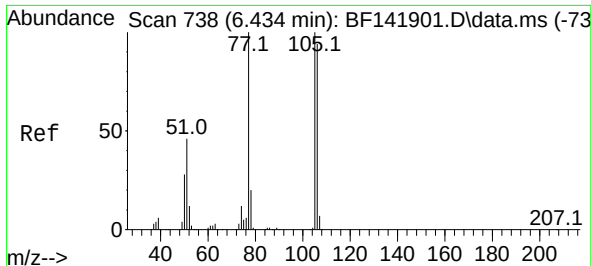
Tgt Ion: 99 Resp: 1756797
Ion Ratio Lower Upper
99 100
42 18.0 14.6 21.8
71 39.0 30.8 46.2



#8
2-Chlorophenol
Concen: 44.153 ng
RT: 6.663 min Scan# 777
Delta R.T. -0.006 min
Lab File: BF141942.D
Acq: 13 Mar 2025 13:47

Tgt Ion:128 Resp: 523341
Ion Ratio Lower Upper
128 100
130 32.9 12.8 52.8
64 43.3 24.4 64.4

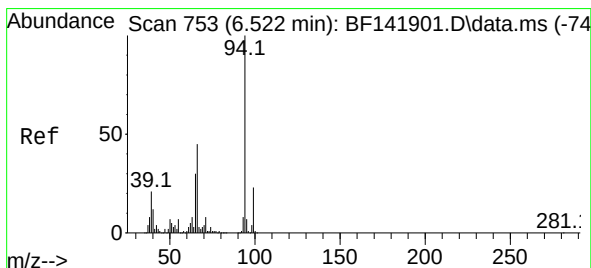
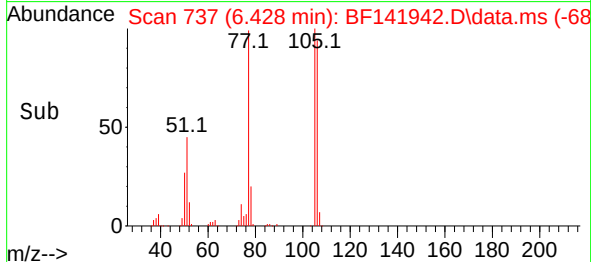
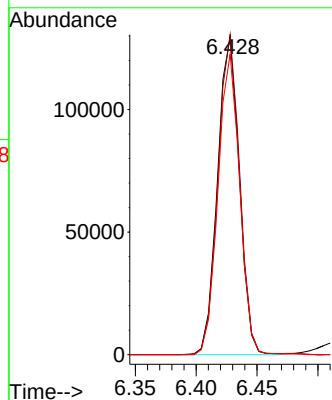
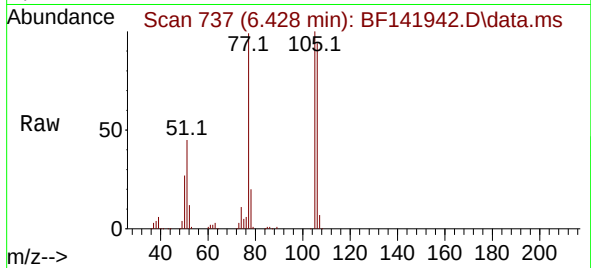




#9
Benzaldehyde
Concen: 21.195 ng
RT: 6.428 min Scan# 741
Delta R.T. -0.006 min
Lab File: BF141942.D
Acq: 13 Mar 2025 13:47

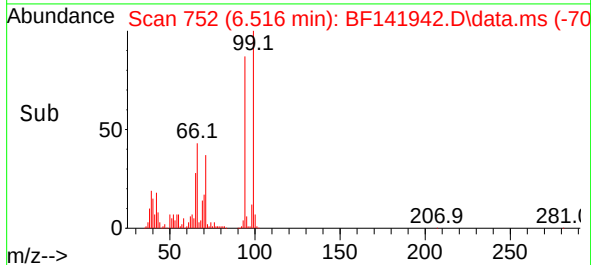
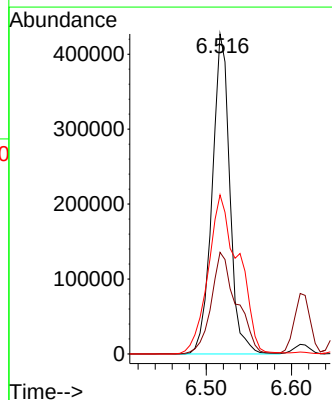
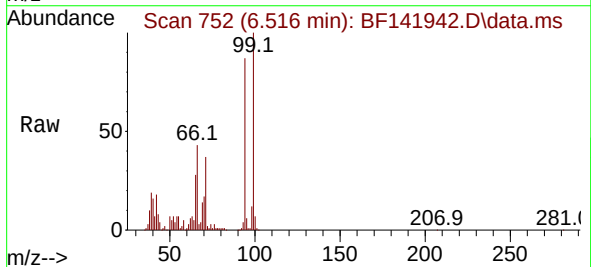
Instrument :
BNA_F
ClientSampleId :
PB167097BSD

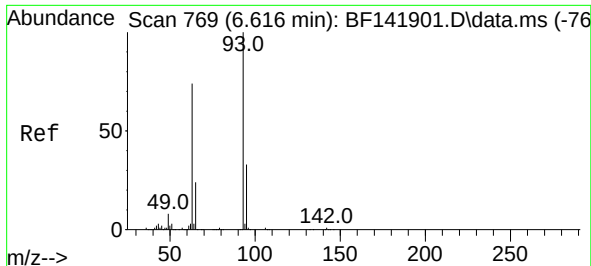
Tgt Ion: 77 Resp: 161299
Ion Ratio Lower Upper
77 100
105 100.8 80.0 120.0
106 94.6 74.5 114.5



#10
Phenol
Concen: 42.950 ng
RT: 6.516 min Scan# 752
Delta R.T. -0.006 min
Lab File: BF141942.D
Acq: 13 Mar 2025 13:47

Tgt Ion: 94 Resp: 614836
Ion Ratio Lower Upper
94 100
65 31.7 10.5 50.5
66 49.7 25.8 65.8

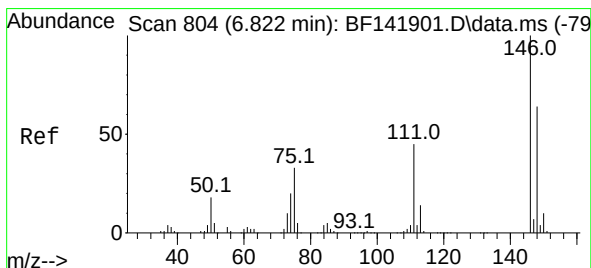
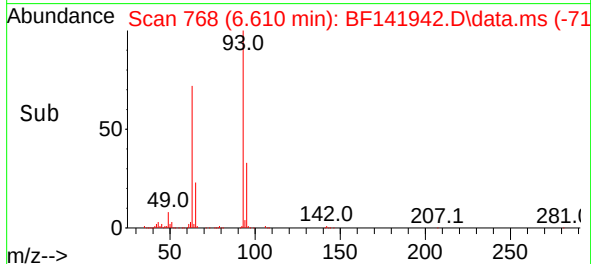
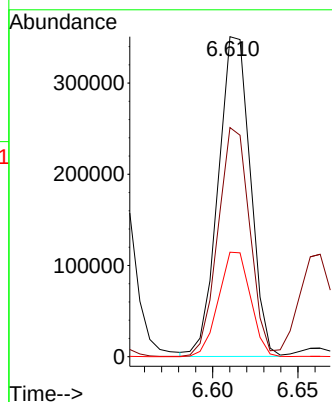
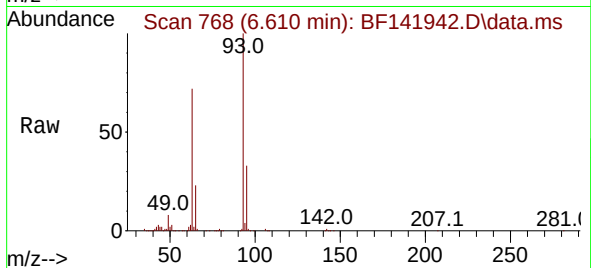




#11
bis(2-Chloroethyl)ether
Concen: 42.829 ng
RT: 6.610 min Scan# 769
Delta R.T. -0.006 min
Lab File: BF141942.D
Acq: 13 Mar 2025 13:47

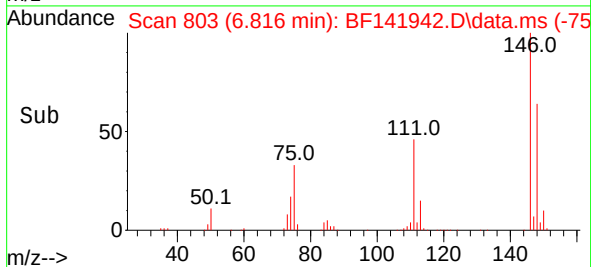
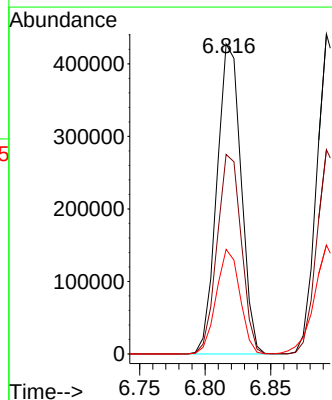
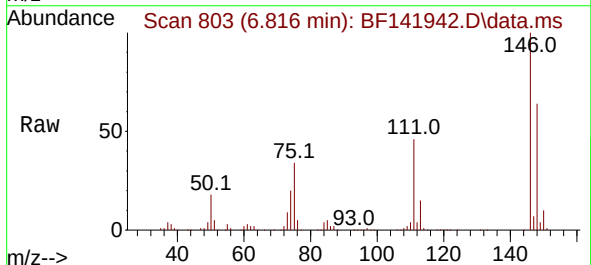
Instrument :
BNA_F
ClientSampleId :
PB167097BSD

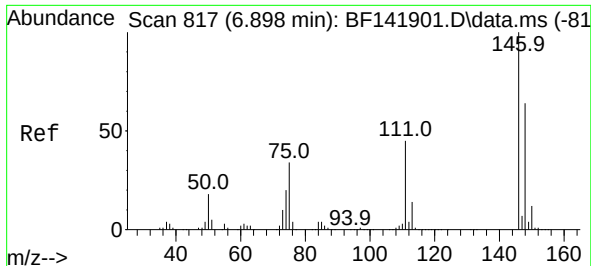
Tgt Ion: 93 Resp: 460371
Ion Ratio Lower Upper
93 100
63 71.6 53.0 93.0
95 32.6 12.9 52.9



#12
1,3-Dichlorobenzene
Concen: 42.823 ng
RT: 6.816 min Scan# 803
Delta R.T. -0.006 min
Lab File: BF141942.D
Acq: 13 Mar 2025 13:47

Tgt Ion:146 Resp: 547988
Ion Ratio Lower Upper
146 100
148 64.3 51.3 76.9
75 33.8 26.6 40.0





#13

1,4-Dichlorobenzene

Concen: 43.013 ng

RT: 6.892 min Scan# 81

Delta R.T. -0.006 min

Lab File: BF141942.D

Acq: 13 Mar 2025 13:47

Instrument :

BNA_F

ClientSampleId :

PB167097BSD

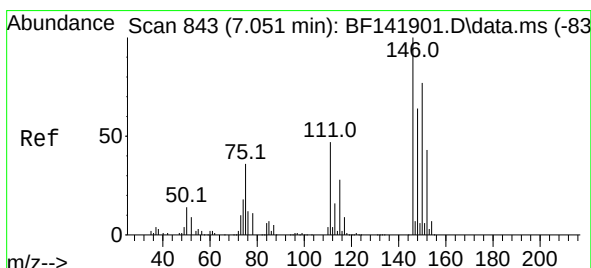
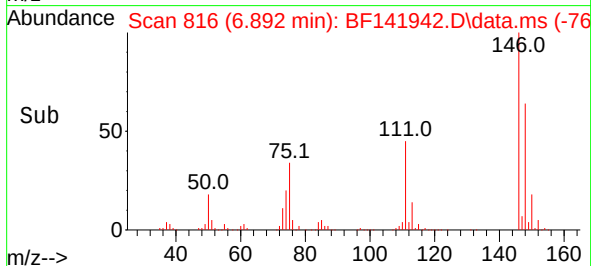
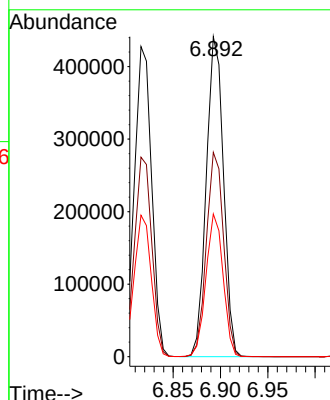
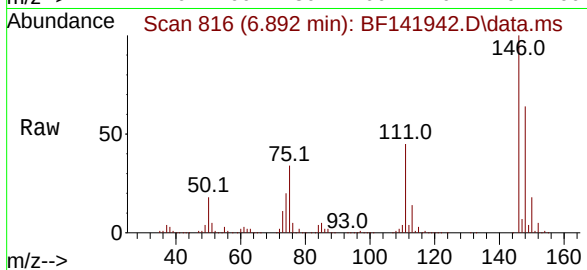
Tgt Ion:146 Resp: 556911

Ion Ratio Lower Upper

146 100

148 63.8 51.0 76.6

111 44.6 35.7 53.5



#14

1,2-Dichlorobenzene

Concen: 43.858 ng

RT: 7.045 min Scan# 842

Delta R.T. -0.006 min

Lab File: BF141942.D

Acq: 13 Mar 2025 13:47

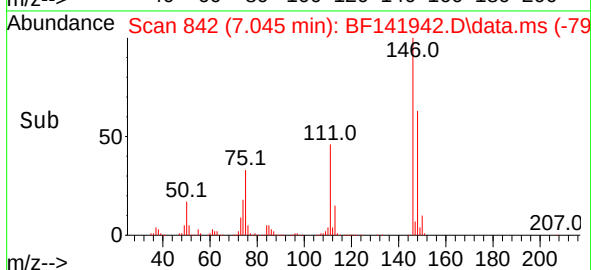
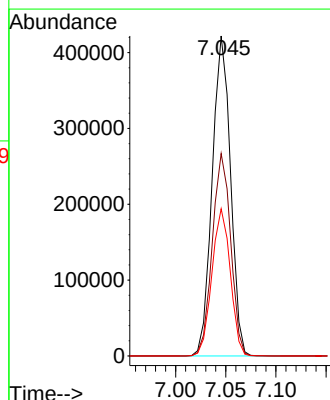
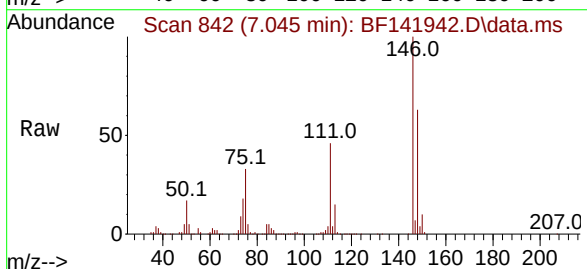
Tgt Ion:146 Resp: 534852

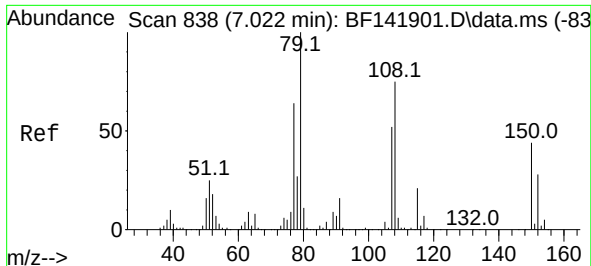
Ion Ratio Lower Upper

146 100

148 63.2 50.8 76.2

111 46.0 38.0 57.0





#15

Benzyl Alcohol

Concen: 42.842 ng

RT: 7.016 min Scan# 841

Delta R.T. -0.006 min

Lab File: BF141942.D

Acq: 13 Mar 2025 13:47

Instrument :

BNA_F

ClientSampleId :

PB167097BSD

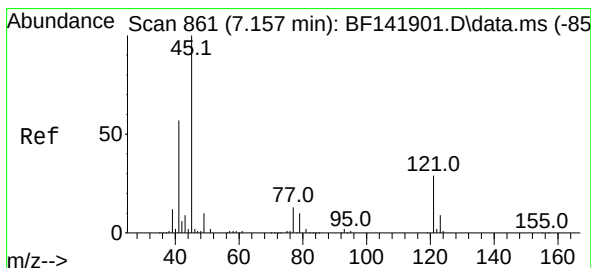
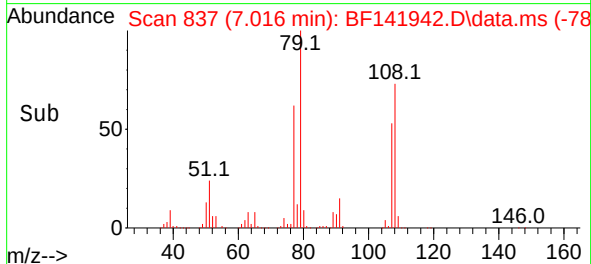
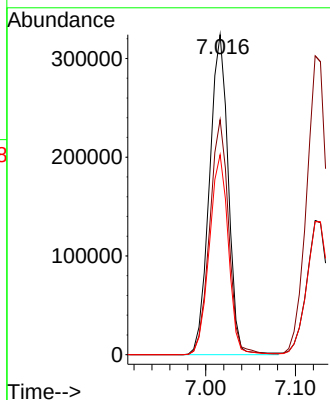
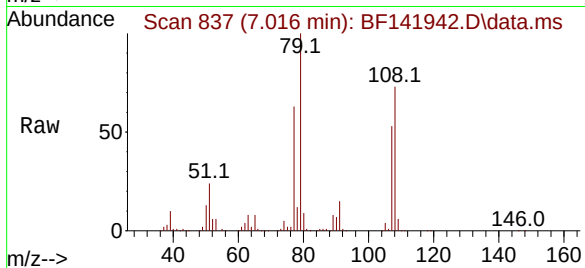
Tgt Ion: 79 Resp: 471295

Ion Ratio Lower Upper

79 100

108 73.4 59.7 89.5

77 62.5 51.0 76.6



#16

2,2'-oxybis(1-Chloropropane)

Concen: 40.357 ng

RT: 7.151 min Scan# 860

Delta R.T. -0.006 min

Lab File: BF141942.D

Acq: 13 Mar 2025 13:47

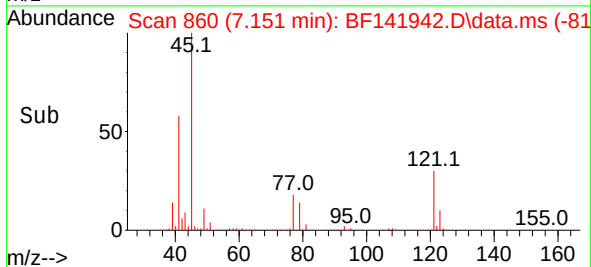
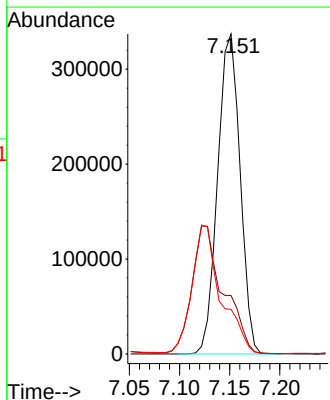
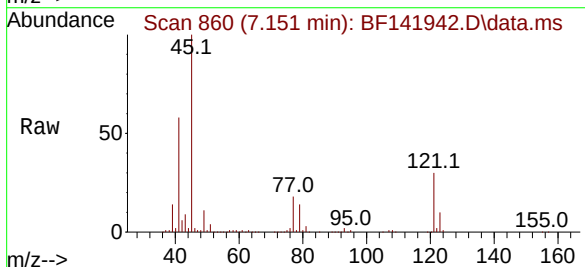
Tgt Ion: 45 Resp: 523711

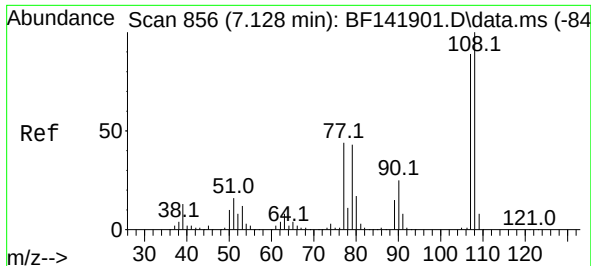
Ion Ratio Lower Upper

45 100

77 18.3 0.0 37.8

79 14.0 0.0 34.2



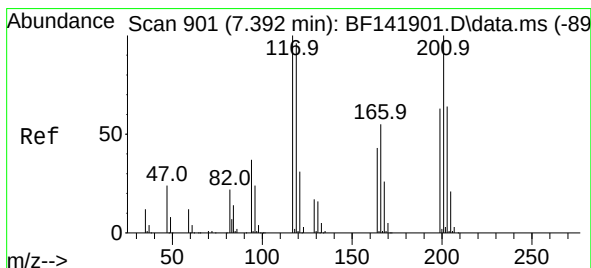
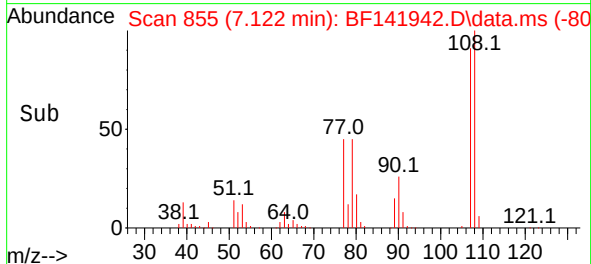
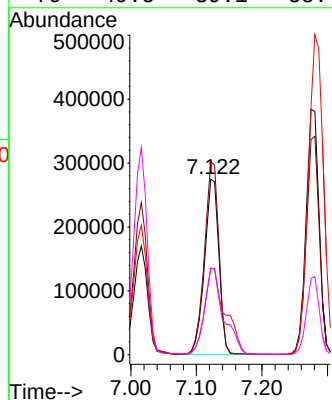
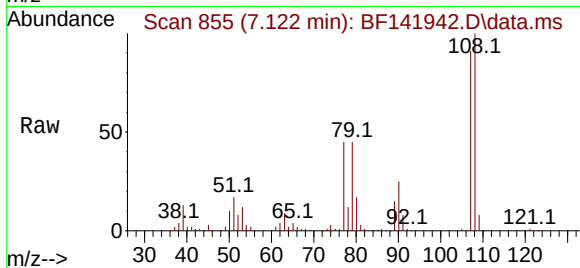


#17
2-Methylphenol
Concen: 44.510 ng
RT: 7.122 min Scan# 856
Delta R.T. -0.006 min
Lab File: BF141942.D
Acq: 13 Mar 2025 13:47

Instrument :
BNA_F
ClientSampleId :
PB167097BSD

Tgt Ion:107 Resp: 419477

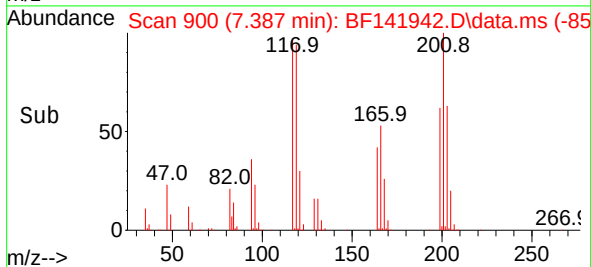
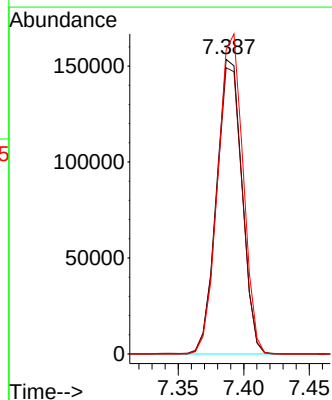
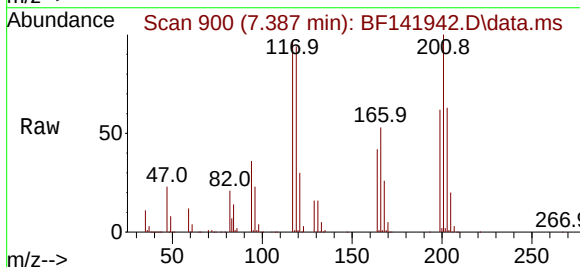
Ion	Ratio	Lower	Upper
107	100		
108	110.2	90.2	135.2
77	49.1	39.6	59.4
79	49.5	39.1	58.7

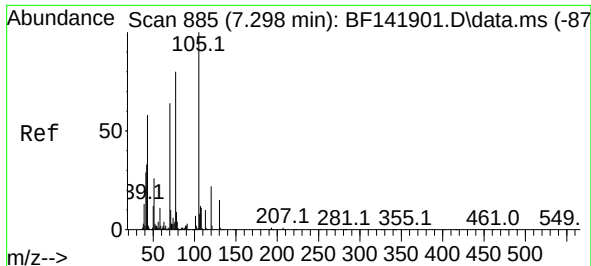


#18
Hexachloroethane
Concen: 42.748 ng
RT: 7.387 min Scan# 900
Delta R.T. -0.006 min
Lab File: BF141942.D
Acq: 13 Mar 2025 13:47

Tgt Ion:117 Resp: 207547

Ion	Ratio	Lower	Upper
117	100		
119	97.2	76.9	115.3
201	103.3	79.9	119.9

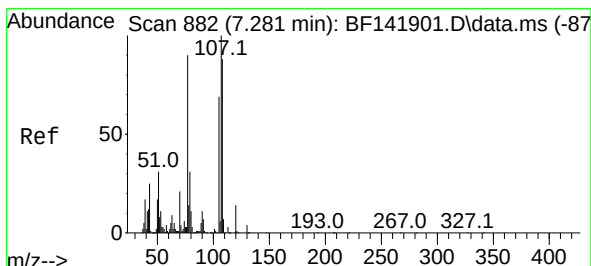
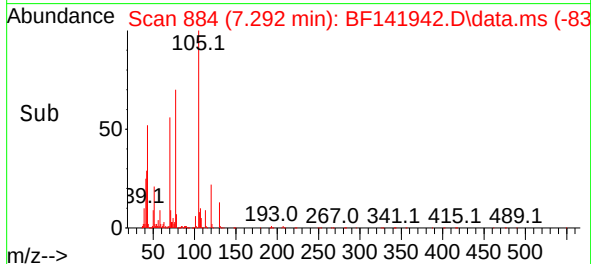
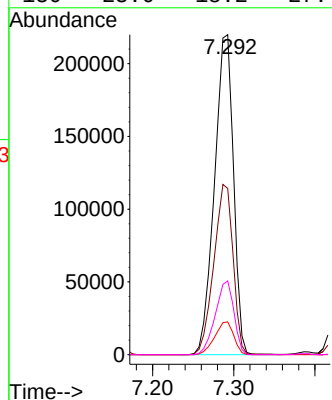
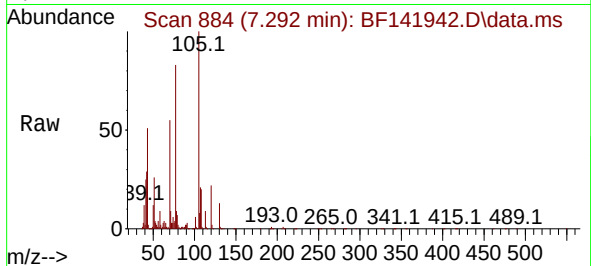




#19
n-Nitroso-di-n-propylamine
Concen: 40.995 ng
RT: 7.292 min Scan# 81
Delta R.T. -0.006 min
Lab File: BF141942.D
Acq: 13 Mar 2025 13:47

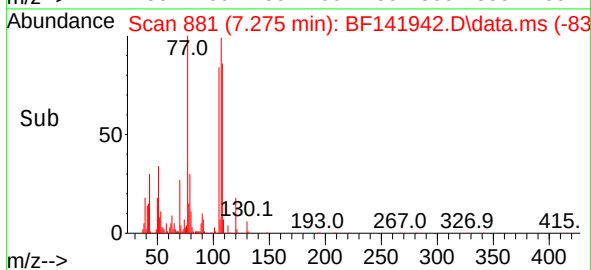
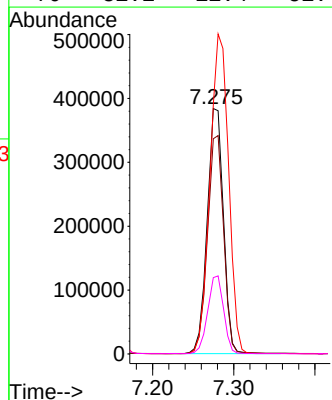
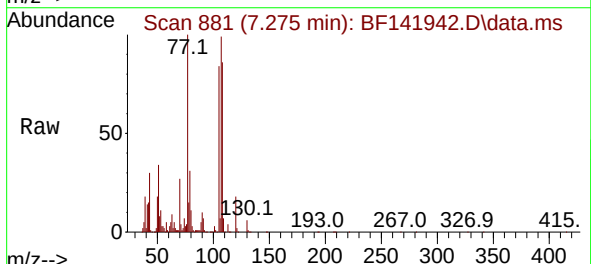
Instrument :
BNA_F
ClientSampleId :
PB167097BSD

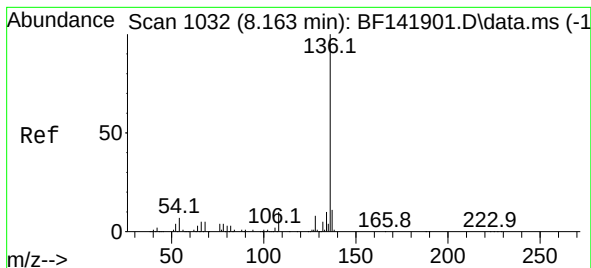
Tgt Ion: 70 Resp: 358439
Ion Ratio Lower Upper
70 100
42 51.9 41.4 62.0
101 10.3 8.2 12.2
130 23.0 18.2 27.4



#20
3+4-Methylphenols
Concen: 44.013 ng
RT: 7.275 min Scan# 881
Delta R.T. -0.006 min
Lab File: BF141942.D
Acq: 13 Mar 2025 13:47

Tgt Ion:107 Resp: 531297
Ion Ratio Lower Upper
107 100
108 87.6 68.4 108.4
77 101.5 69.7 109.7
79 31.1 11.4 51.4





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.157 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF141942.D

Acq: 13 Mar 2025 13:47

Instrument :

BNA_F

ClientSampleId :

PB167097BSD

Tgt Ion:136 Resp: 702401

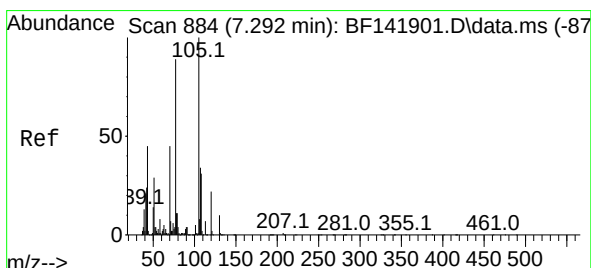
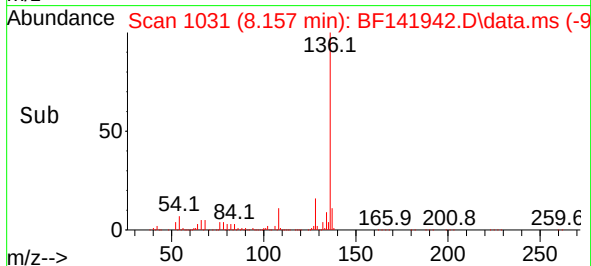
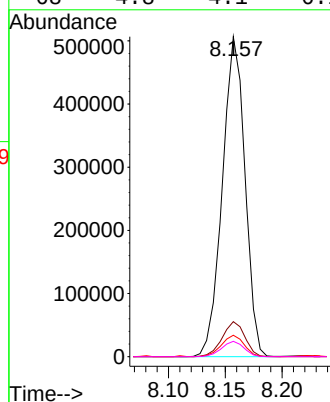
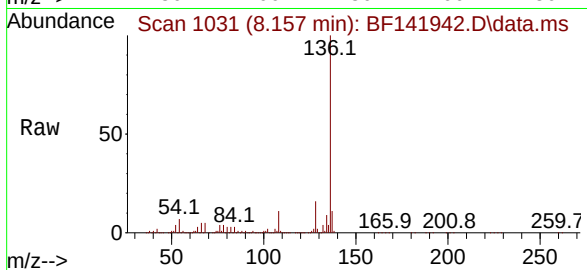
Ion Ratio Lower Upper

136 100

137 10.9 8.8 13.2

54 6.7 5.8 8.8

68 4.8 4.1 6.1



#22

Acetophenone

Concen: 47.151 ng

RT: 7.287 min Scan# 883

Delta R.T. -0.006 min

Lab File: BF141942.D

Acq: 13 Mar 2025 13:47

Tgt Ion:105 Resp: 793124

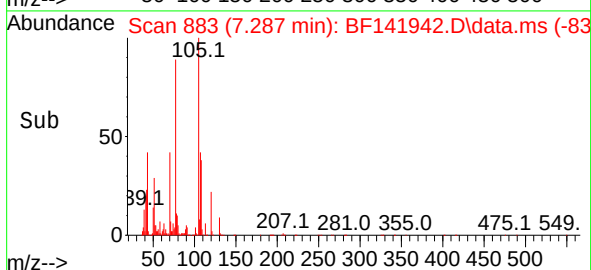
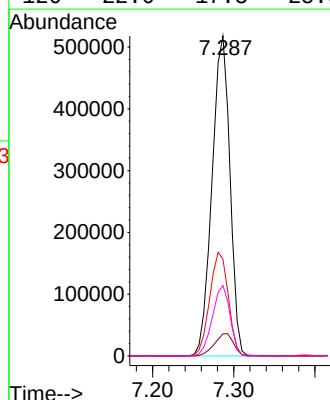
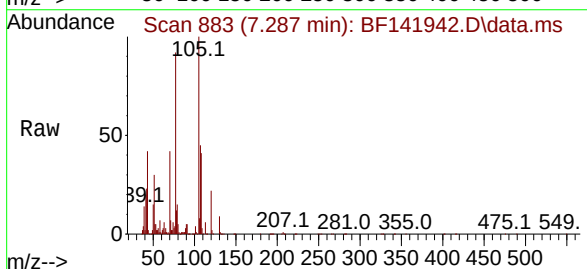
Ion Ratio Lower Upper

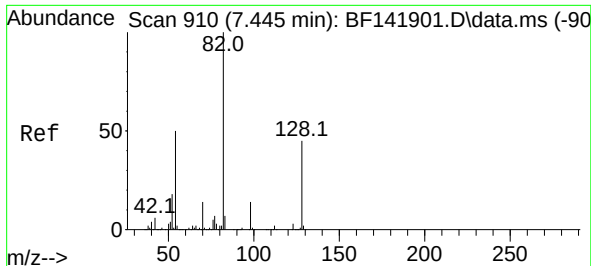
105 100

71 6.9 5.8 8.8

51 30.3 23.4 35.0

120 22.0 17.3 25.9





#23

Nitrobenzene-d5

Concen: 93.200 ng

RT: 7.439 min Scan# 909

Delta R.T. -0.006 min

Lab File: BF141942.D

Acq: 13 Mar 2025 13:47

Instrument :

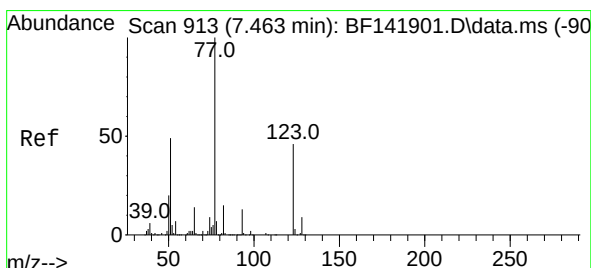
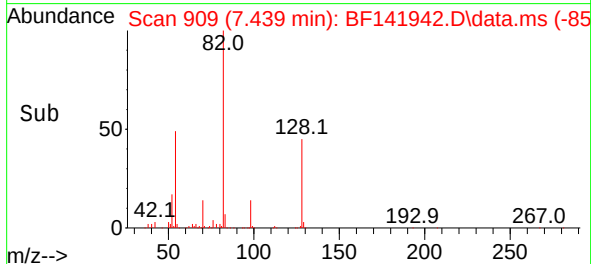
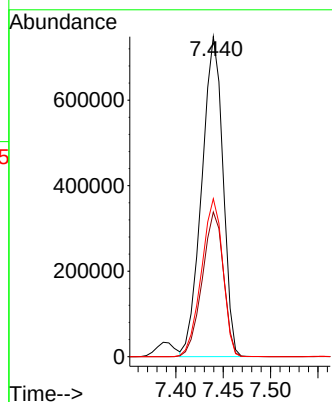
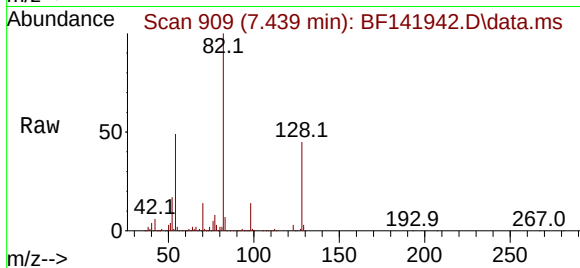
BNA_F

ClientSampleId :

PB167097BSD

Tgt Ion: 82 Resp: 1163264

Ion	Ratio	Lower	Upper
82	100		
128	45.2	36.0	54.0
54	49.4	39.6	59.4



#24

Nitrobenzene

Concen: 43.637 ng

RT: 7.457 min Scan# 912

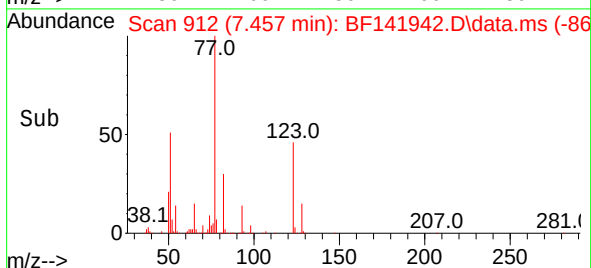
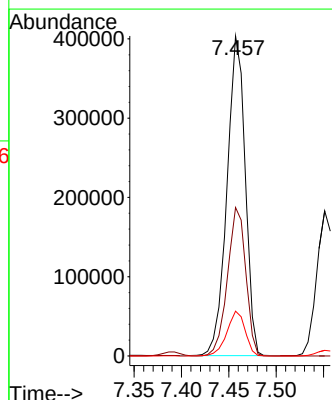
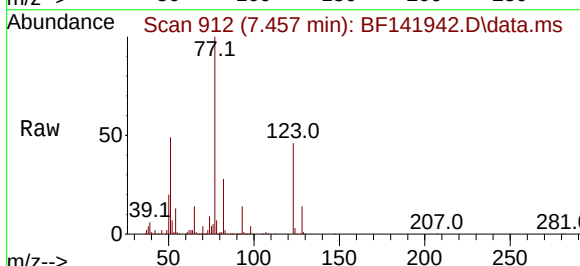
Delta R.T. -0.006 min

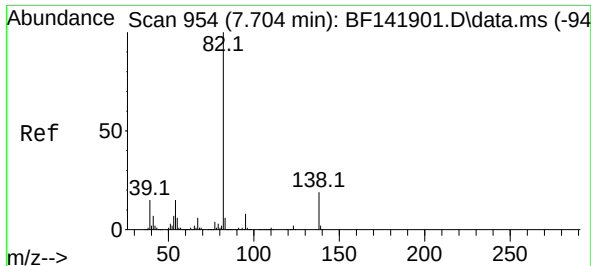
Lab File: BF141942.D

Acq: 13 Mar 2025 13:47

Tgt Ion: 77 Resp: 541451

Ion	Ratio	Lower	Upper
77	100		
123	46.4	37.0	55.4
65	14.0	11.3	16.9

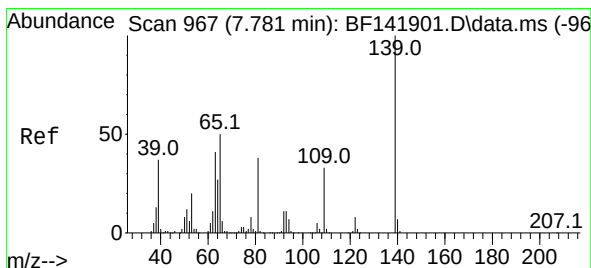
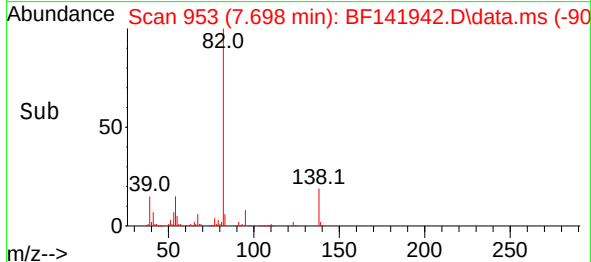
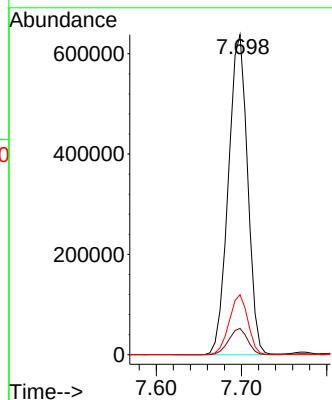
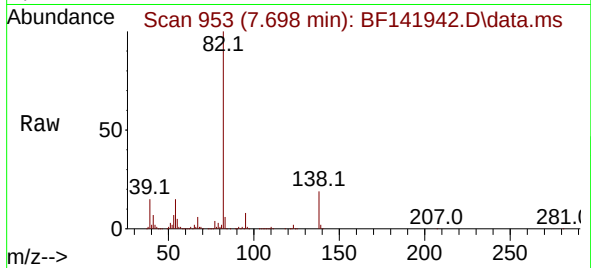




#25
Isophorone
Concen: 45.232 ng
RT: 7.698 min Scan# 91
Delta R.T. -0.006 min
Lab File: BF141942.D
Acq: 13 Mar 2025 13:47

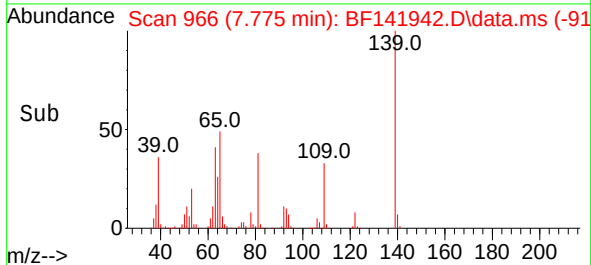
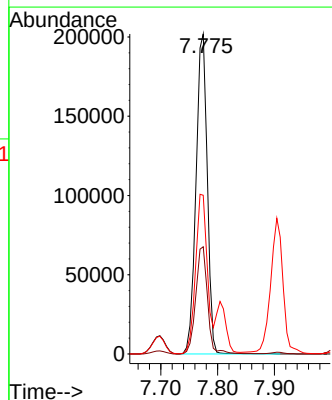
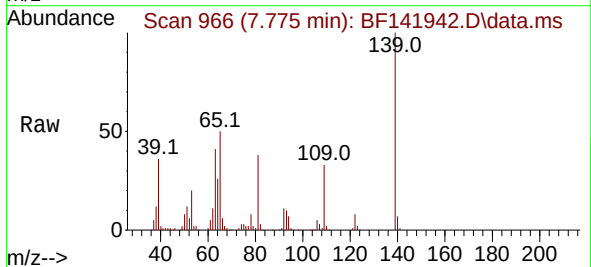
Instrument :
BNA_F
ClientSampleId :
PB167097BSD

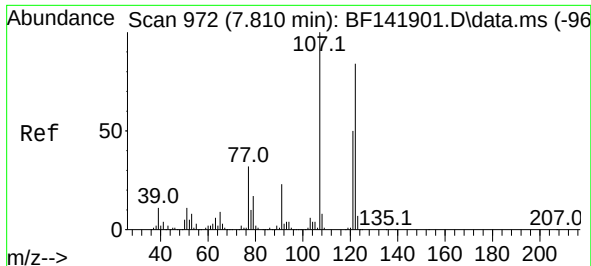
Tgt Ion: 82 Resp: 997958
Ion Ratio Lower Upper
82 100
95 8.2 6.4 9.6
138 18.8 14.9 22.3



#26
2-Nitrophenol
Concen: 45.898 ng
RT: 7.775 min Scan# 966
Delta R.T. -0.006 min
Lab File: BF141942.D
Acq: 13 Mar 2025 13:47

Tgt Ion:139 Resp: 279514
Ion Ratio Lower Upper
139 100
109 33.5 26.5 39.7
65 49.6 40.3 60.5

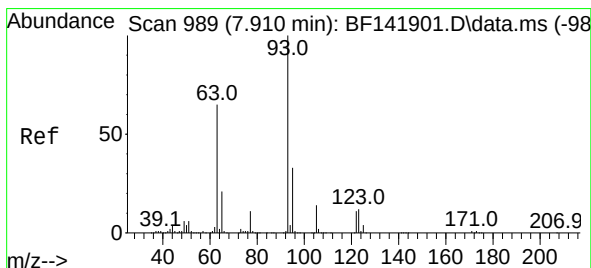
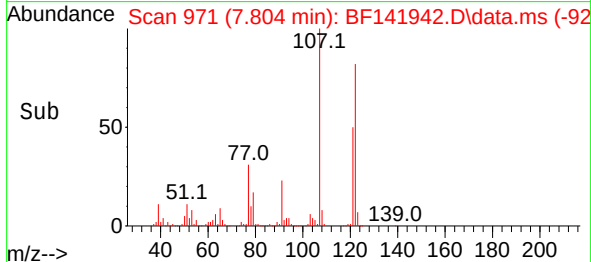
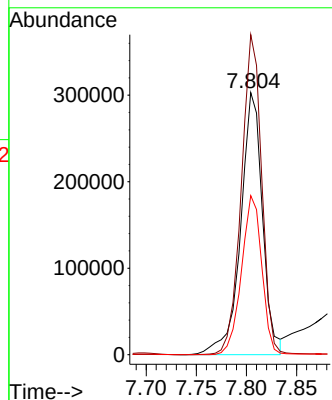
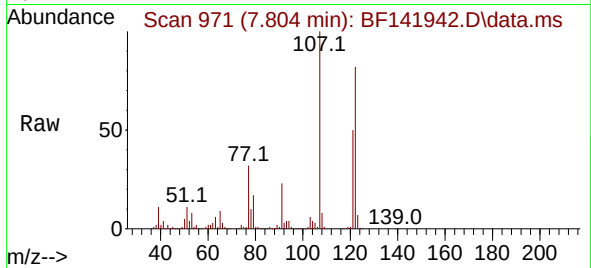




#27
2,4-Dimethylphenol
Concen: 54.809 ng
RT: 7.804 min Scan# 91
Delta R.T. -0.006 min
Lab File: BF141942.D
Acq: 13 Mar 2025 13:47

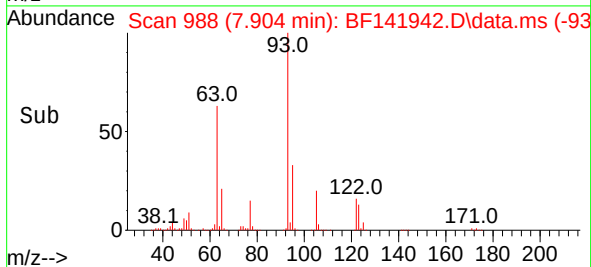
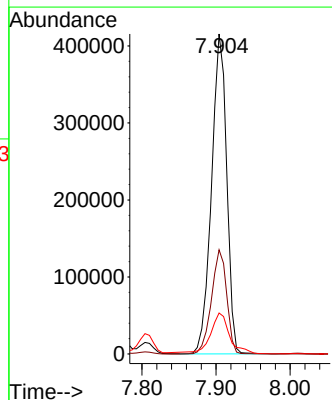
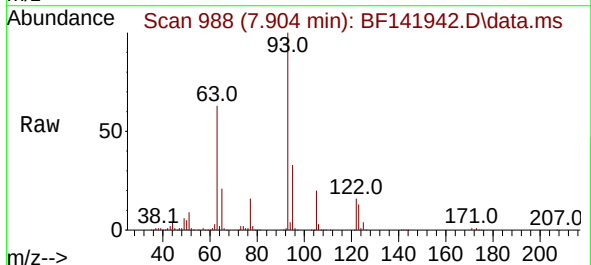
Instrument :
BNA_F
ClientSampleId :
PB167097BSD

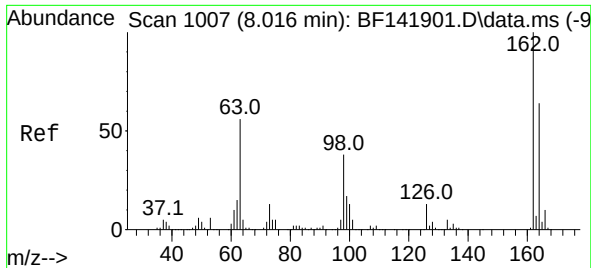
Tgt Ion:122 Resp: 459597
Ion Ratio Lower Upper
122 100
107 122.1 94.8 142.2
121 60.7 47.8 71.6



#28
bis(2-Chloroethoxy)methane
Concen: 42.665 ng
RT: 7.904 min Scan# 988
Delta R.T. -0.006 min
Lab File: BF141942.D
Acq: 13 Mar 2025 13:47

Tgt Ion: 93 Resp: 590404
Ion Ratio Lower Upper
93 100
95 32.6 26.6 40.0
123 12.8 10.2 15.4

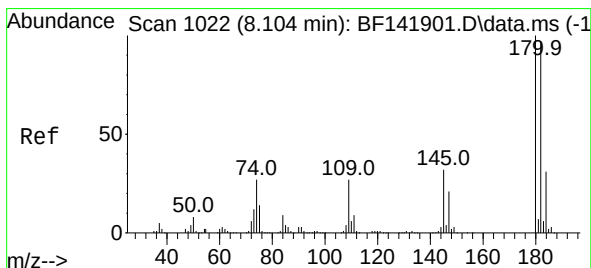
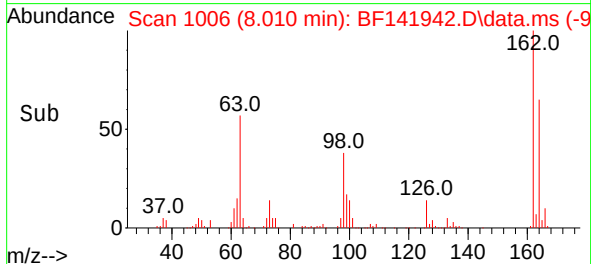
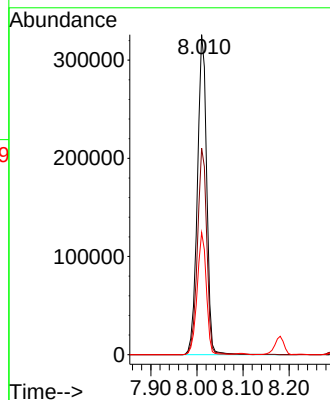
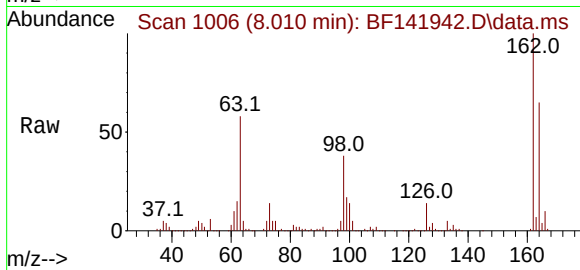




#29
2,4-Dichlorophenol
Concen: 43.797 ng
RT: 8.010 min Scan# 1006
Delta R.T. -0.006 min
Lab File: BF141942.D
Acq: 13 Mar 2025 13:47

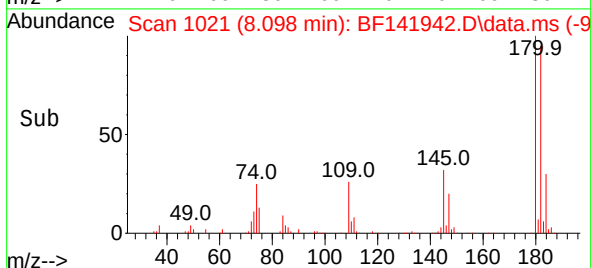
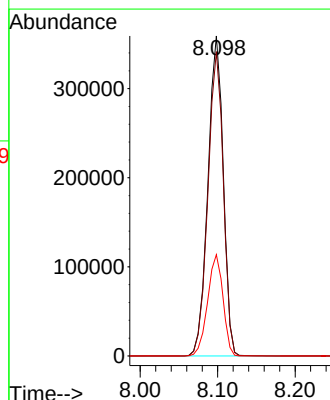
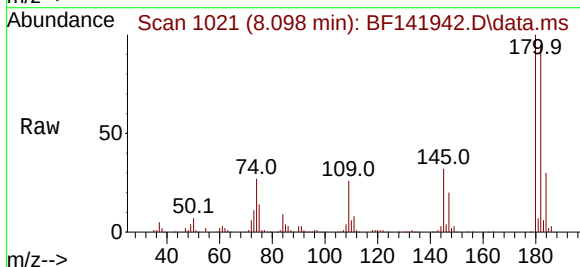
Instrument :
BNA_F
ClientSampleId :
PB167097BSD

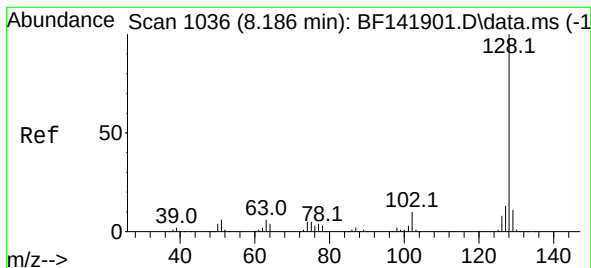
Tgt Ion:162 Resp: 455855
Ion Ratio Lower Upper
162 100
164 64.6 43.8 83.8
98 38.2 18.1 58.1



#30
1,2,4-Trichlorobenzene
Concen: 43.176 ng
RT: 8.098 min Scan# 1021
Delta R.T. -0.006 min
Lab File: BF141942.D
Acq: 13 Mar 2025 13:47

Tgt Ion:180 Resp: 495238
Ion Ratio Lower Upper
180 100
182 95.1 77.5 116.3
145 31.6 25.8 38.6





#31

Naphthalene

Concen: 42.138 ng

RT: 8.181 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF141942.D

Acq: 13 Mar 2025 13:47

Instrument :

BNA_F

ClientSampleId :

PB167097BSD

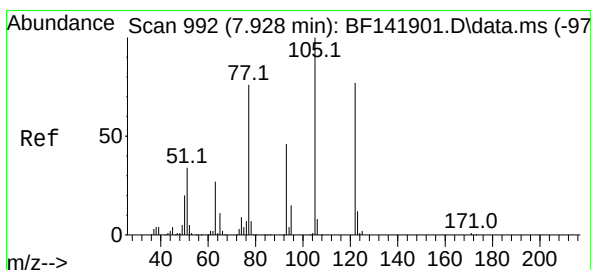
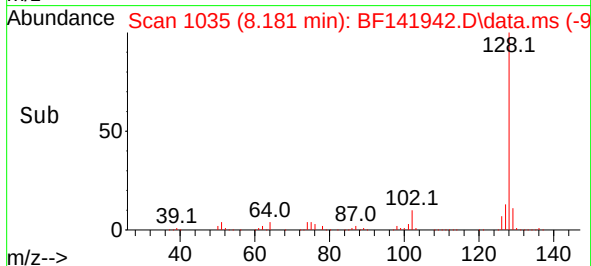
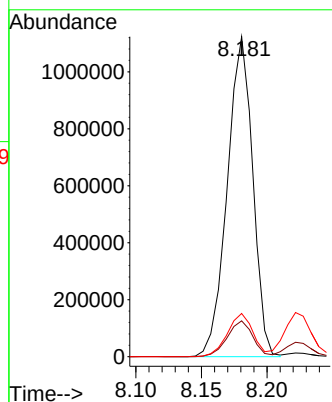
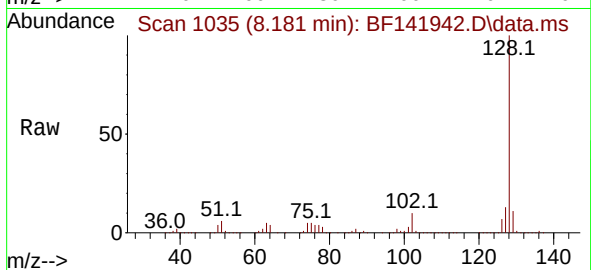
Tgt Ion:128 Resp: 1520406

Ion Ratio Lower Upper

128 100

129 11.2 9.0 13.6

127 13.5 10.8 16.2



#32

Benzoic acid

Concen: 52.090 ng

RT: 7.934 min Scan# 993

Delta R.T. 0.006 min

Lab File: BF141942.D

Acq: 13 Mar 2025 13:47

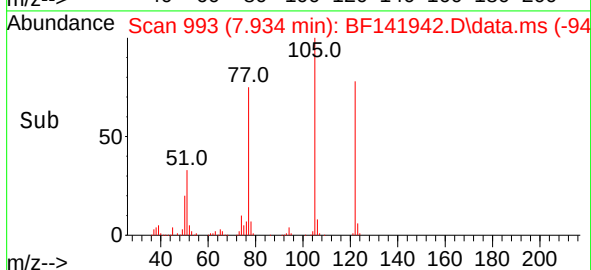
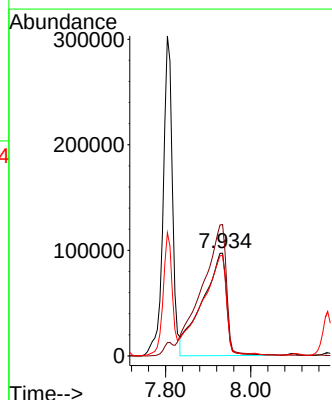
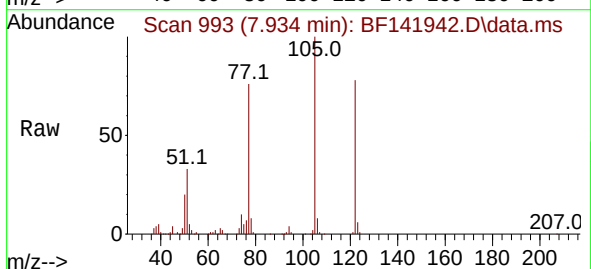
Tgt Ion:122 Resp: 383964

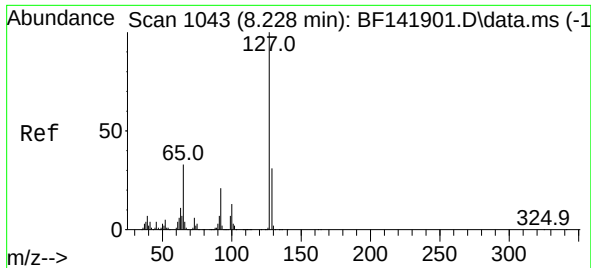
Ion Ratio Lower Upper

122 100

105 128.0 107.9 147.9

77 97.8 79.0 119.0

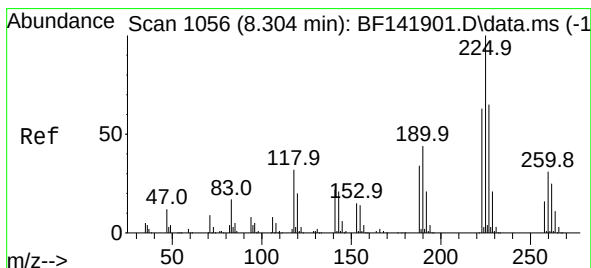
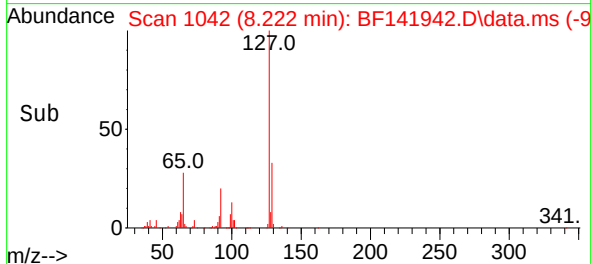
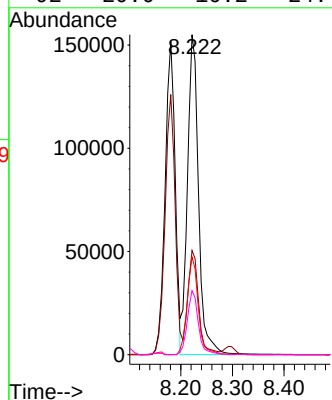
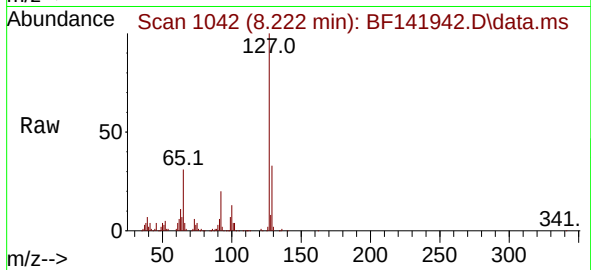




#33
4-Chloroaniline
Concen: 18.162 ng
RT: 8.222 min Scan# 1042
Delta R.T. -0.006 min
Lab File: BF141942.D
Acq: 13 Mar 2025 13:47

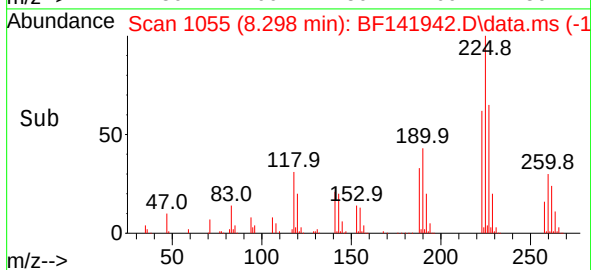
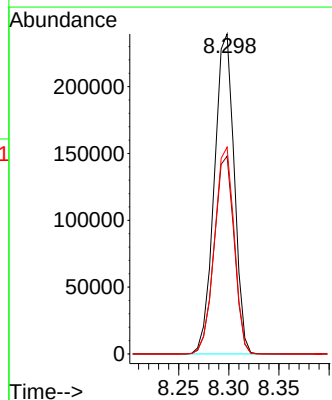
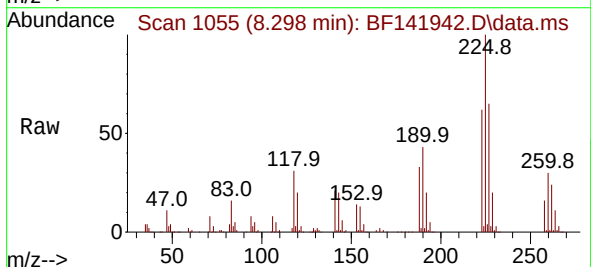
Instrument :
BNA_F
ClientSampleId :
PB167097BSD

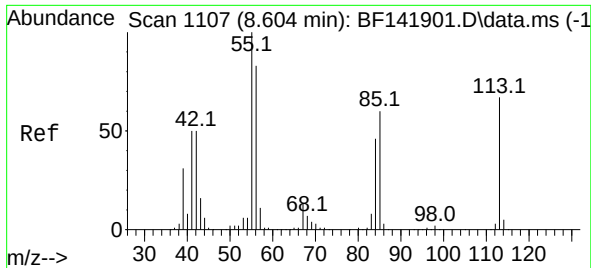
Tgt Ion:	127	Resp:	231327
Ion	Ratio	Lower	Upper
127	100		
129	32.6	26.2	39.4
65	30.5	25.4	38.2
92	20.0	16.2	24.4



#34
Hexachlorobutadiene
Concen: 44.109 ng
RT: 8.298 min Scan# 1055
Delta R.T. -0.006 min
Lab File: BF141942.D
Acq: 13 Mar 2025 13:47

Tgt Ion:	225	Resp:	329952
Ion	Ratio	Lower	Upper
225	100		
223	61.8	50.6	75.8
227	64.6	52.2	78.2

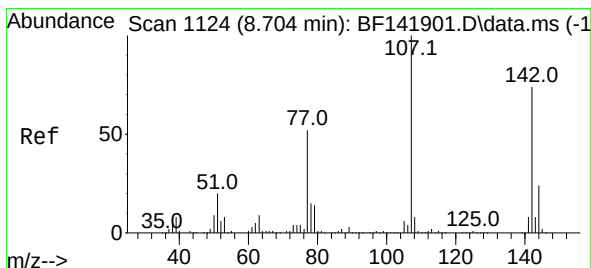
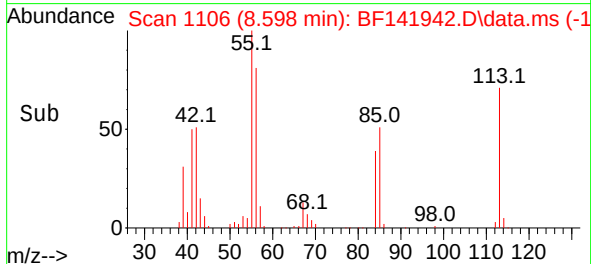
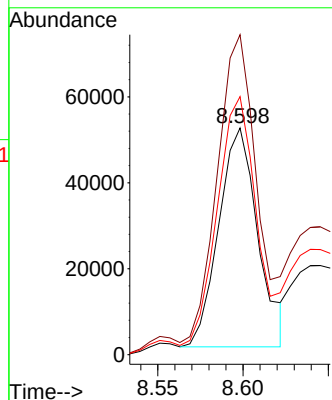
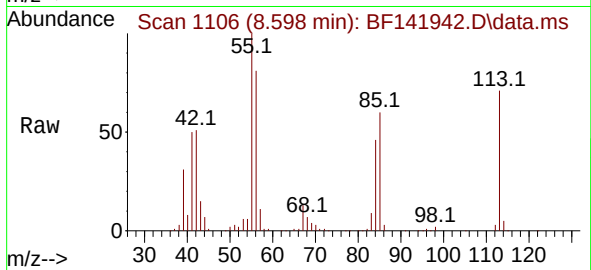




#35
 Caprolactam
 Concen: 25.637 ng
 RT: 8.598 min Scan# 1106
 Delta R.T. -0.006 min
 Lab File: BF141942.D
 Acq: 13 Mar 2025 13:47

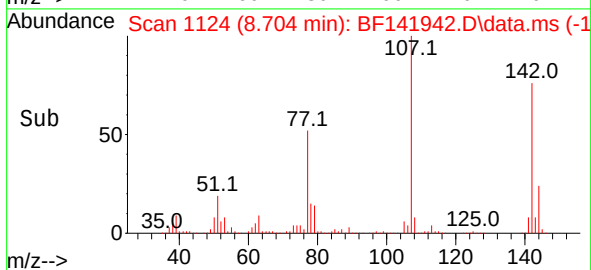
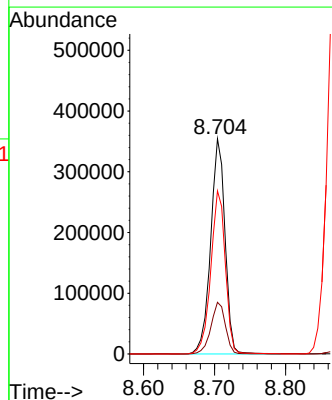
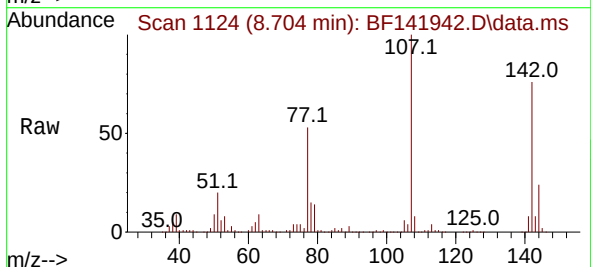
Instrument :
 BNA_F
 ClientSampleId :
 PB167097BSD

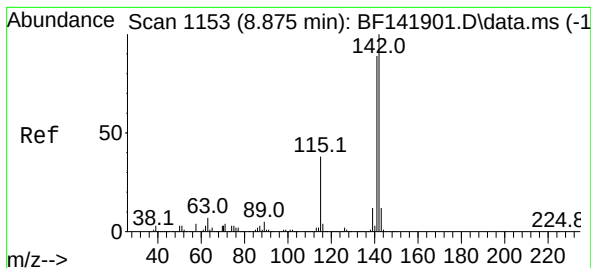
Tgt Ion:113 Resp: 81354
 Ion Ratio Lower Upper
 113 100
 55 141.1 129.6 169.6
 56 113.8 104.0 144.0



#36
 4-Chloro-3-methylphenol
 Concen: 43.084 ng
 RT: 8.704 min Scan# 1124
 Delta R.T. 0.000 min
 Lab File: BF141942.D
 Acq: 13 Mar 2025 13:47

Tgt Ion:107 Resp: 500230
 Ion Ratio Lower Upper
 107 100
 144 24.1 19.0 28.6
 142 75.8 59.2 88.8





#37

2-Methylnaphthalene

Concen: 41.506 ng

RT: 8.869 min Scan# 1152

Delta R.T. -0.006 min

Lab File: BF141942.D

Acq: 13 Mar 2025 13:47

Instrument :

BNA_F

ClientSampleId :

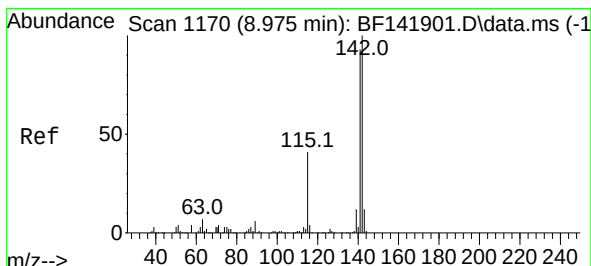
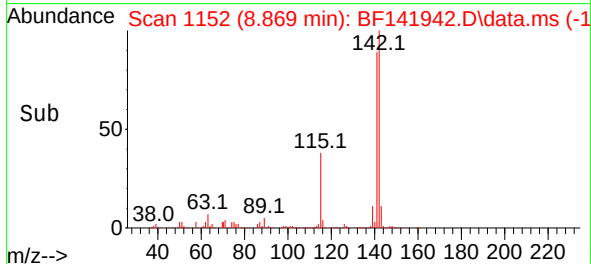
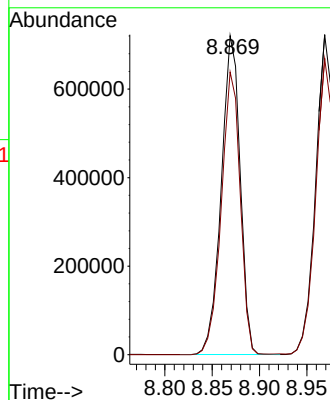
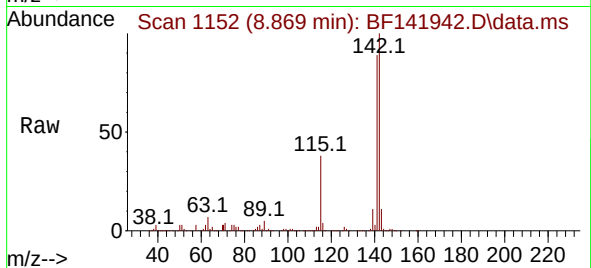
PB167097BSD

Tgt Ion:142 Resp: 1001009

Ion Ratio Lower Upper

142 100

141 88.7 71.2 106.8



#38

1-Methylnaphthalene

Concen: 41.853 ng

RT: 8.969 min Scan# 1169

Delta R.T. -0.006 min

Lab File: BF141942.D

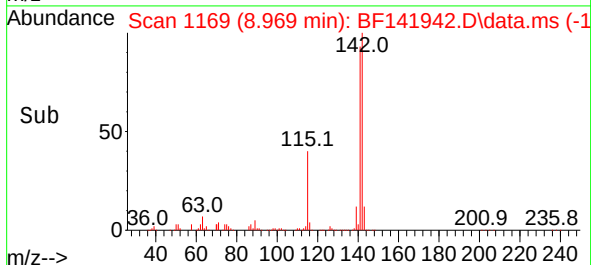
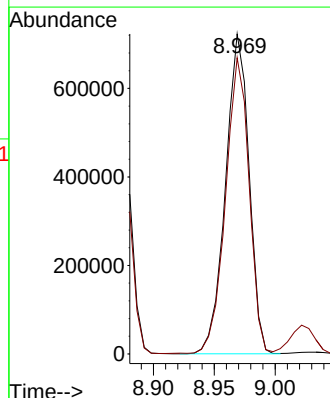
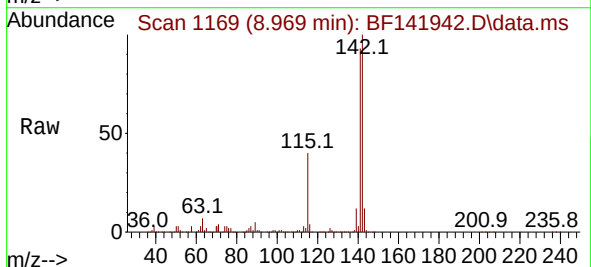
Acq: 13 Mar 2025 13:47

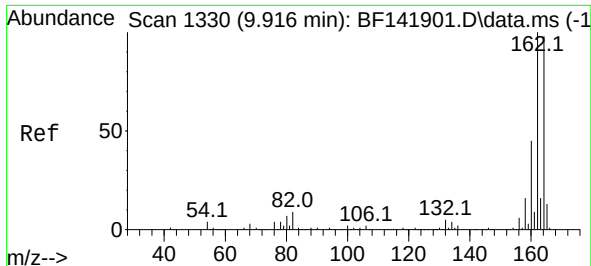
Tgt Ion:142 Resp: 974037

Ion Ratio Lower Upper

142 100

141 92.5 74.2 111.4





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.916 min Scan# 1181

Delta R.T. -0.000 min

Lab File: BF141942.D

Acq: 13 Mar 2025 13:47

Instrument :

BNA_F

ClientSampleId :

PB167097BSD

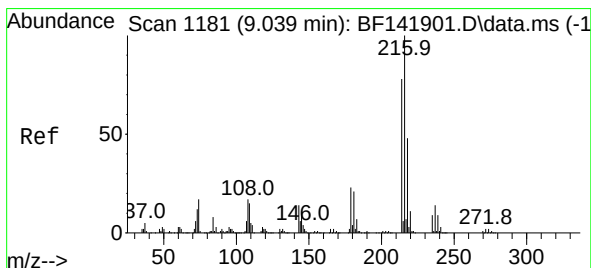
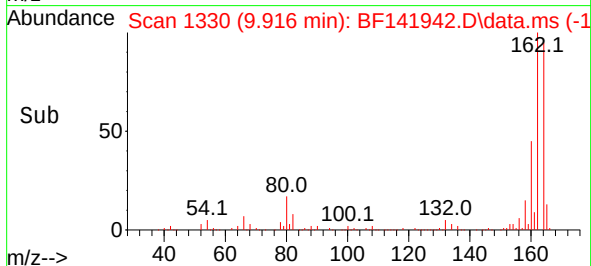
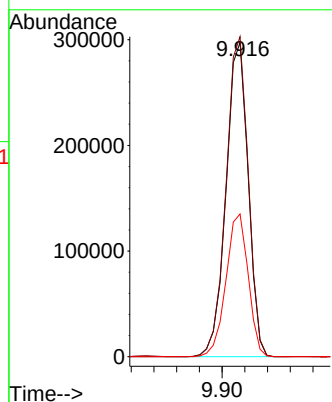
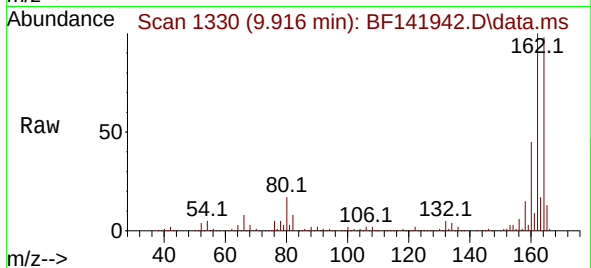
Tgt Ion:164 Resp: 401749

Ion Ratio Lower Upper

164 100

162 101.8 81.8 122.6

160 45.4 36.7 55.1



#40

1,2,4,5-Tetrachlorobenzene

Concen: 47.688 ng

RT: 9.039 min Scan# 1181

Delta R.T. 0.000 min

Lab File: BF141942.D

Acq: 13 Mar 2025 13:47

Tgt Ion:216 Resp: 583297

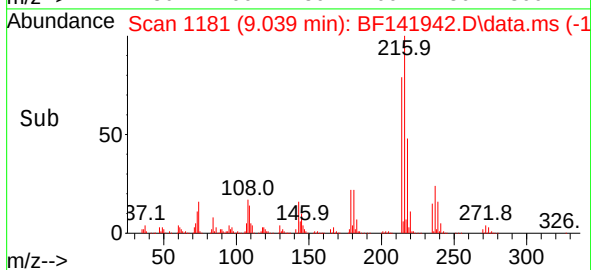
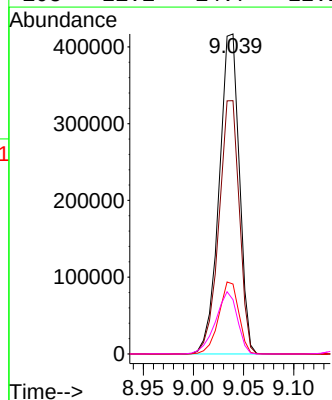
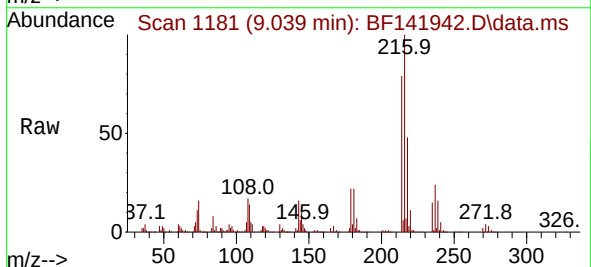
Ion Ratio Lower Upper

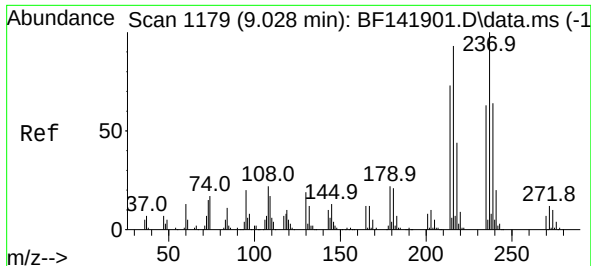
216 100

214 79.7 61.9 92.9

179 22.2 18.1 27.1

108 21.1 14.7 22.1

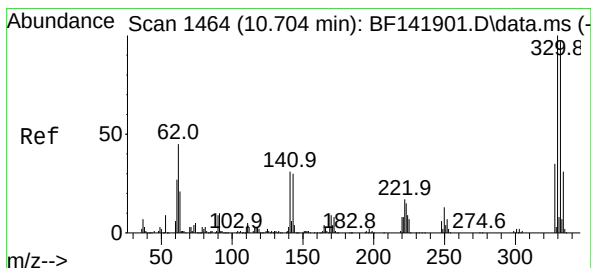
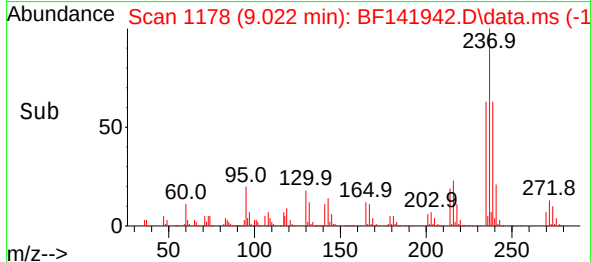
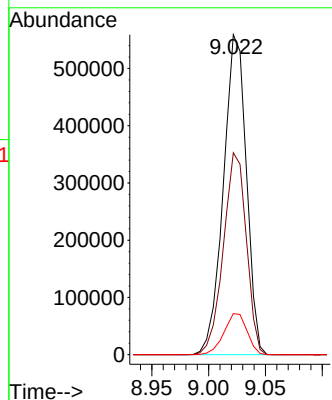
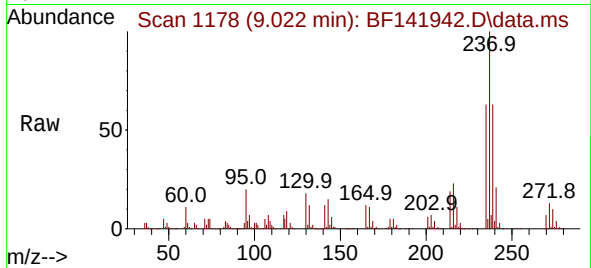




#41
Hexachlorocyclopentadiene
Concen: 164.521 ng
RT: 9.022 min Scan# 1179
Delta R.T. -0.006 min
Lab File: BF141942.D
Acq: 13 Mar 2025 13:47

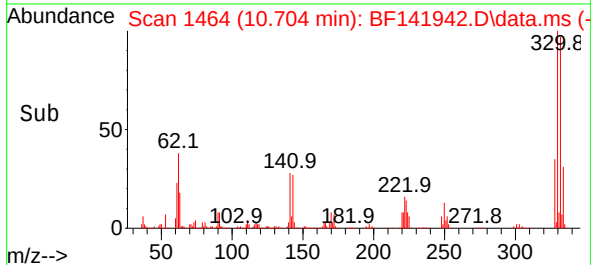
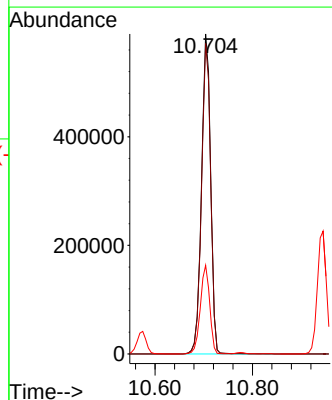
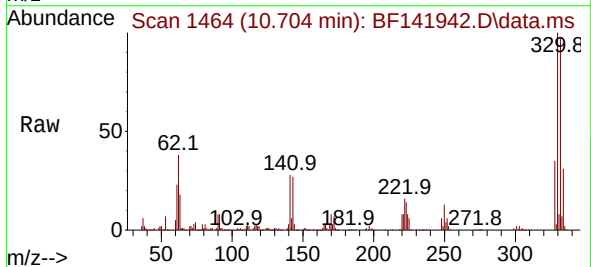
Instrument :
BNA_F
ClientSampleId :
PB167097BSD

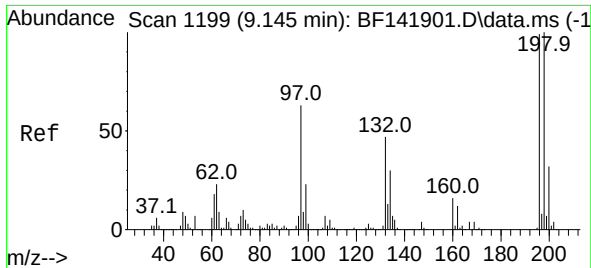
Tgt Ion:237 Resp: 787555
Ion Ratio Lower Upper
237 100
235 63.1 43.1 83.1
272 12.9 0.0 32.0



#42
2,4,6-Tribromophenol
Concen: 151.406 ng
RT: 10.704 min Scan# 1464
Delta R.T. 0.000 min
Lab File: BF141942.D
Acq: 13 Mar 2025 13:47

Tgt Ion:330 Resp: 771672
Ion Ratio Lower Upper
330 100
332 97.0 77.6 116.4
141 28.4 24.7 37.1





#43

2,4,6-Trichlorophenol

Concen: 45.123 ng

RT: 9.145 min Scan# 1199

Delta R.T. 0.000 min

Lab File: BF141942.D

Acq: 13 Mar 2025 13:47

Instrument :

BNA_F

ClientSampleId :

PB167097BSD

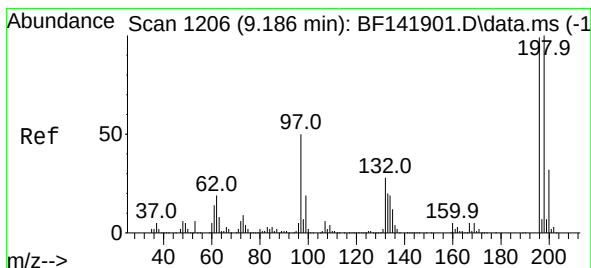
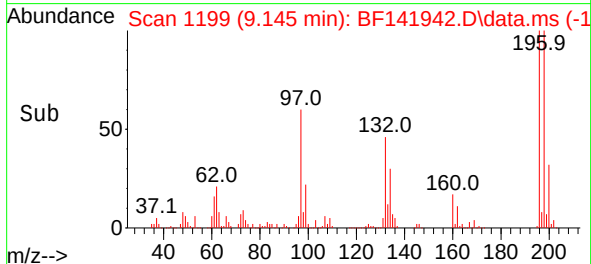
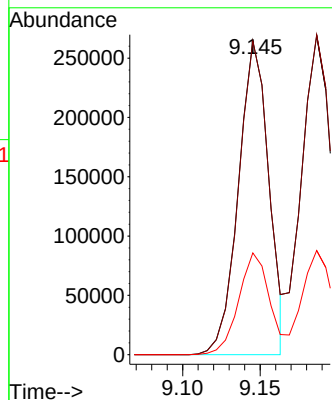
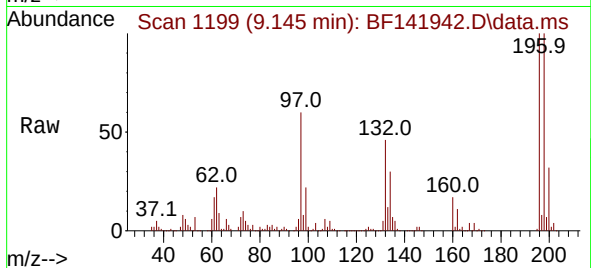
Tgt Ion:196 Resp: 360707

Ion Ratio Lower Upper

196 100

198 99.8 80.6 121.0

200 32.4 25.8 38.6



#44

2,4,5-Trichlorophenol

Concen: 45.703 ng

RT: 9.186 min Scan# 1206

Delta R.T. 0.000 min

Lab File: BF141942.D

Acq: 13 Mar 2025 13:47

Tgt Ion:196 Resp: 370018

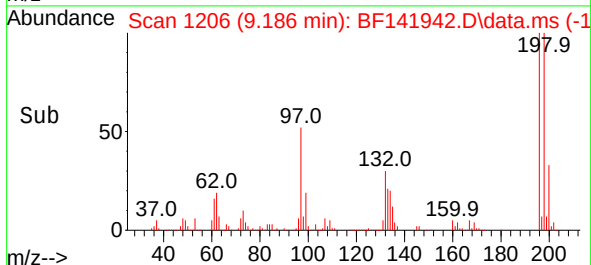
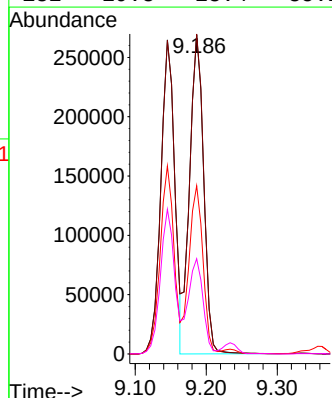
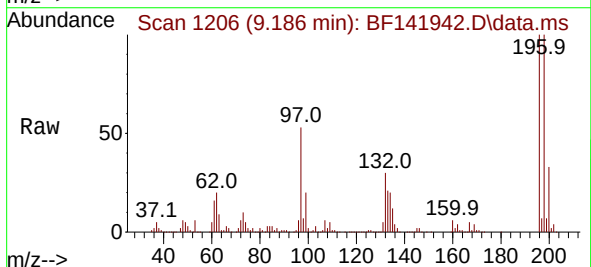
Ion Ratio Lower Upper

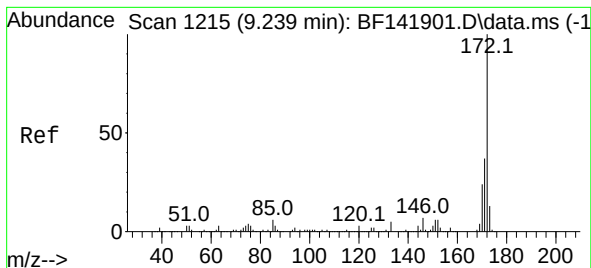
196 100

198 100.3 80.7 121.1

97 52.7 42.1 63.1

132 29.8 23.4 35.2





#45

2-Fluorobiphenyl

Concen: 93.823 ng

RT: 9.233 min Scan# 1215

Delta R.T. -0.006 min

Lab File: BF141942.D

Acq: 13 Mar 2025 13:47

Instrument :

BNA_F

ClientSampleId :

PB167097BSD

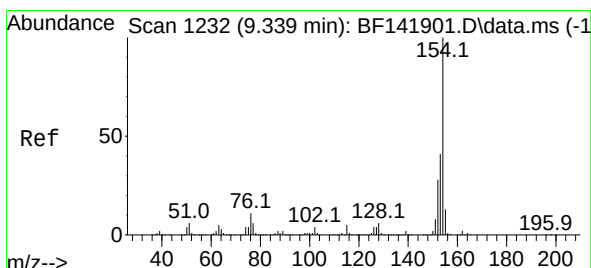
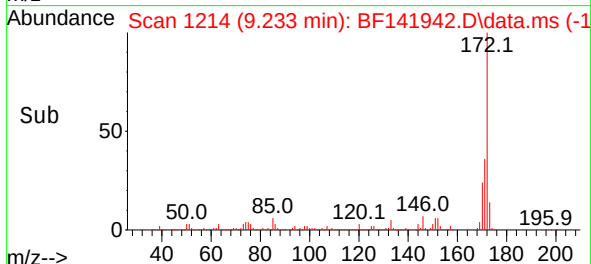
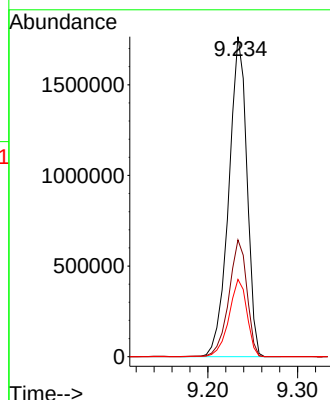
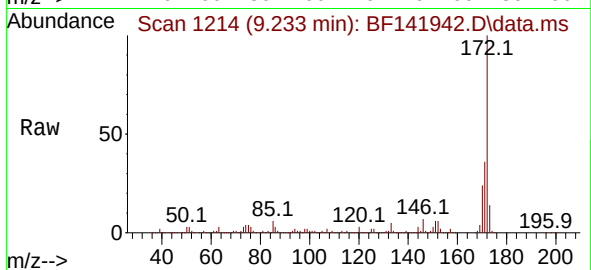
Tgt Ion:172 Resp: 2478502

Ion Ratio Lower Upper

172 100

171 36.5 29.3 43.9

170 24.2 19.4 29.0



#46

1,1'-Biphenyl

Concen: 47.967 ng

RT: 9.334 min Scan# 1231

Delta R.T. -0.006 min

Lab File: BF141942.D

Acq: 13 Mar 2025 13:47

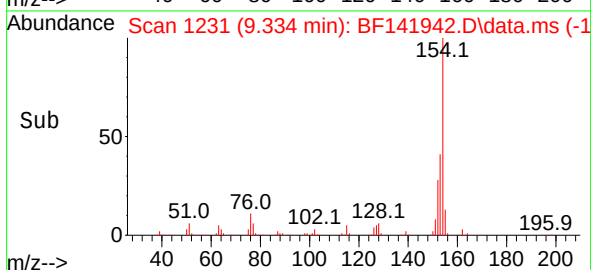
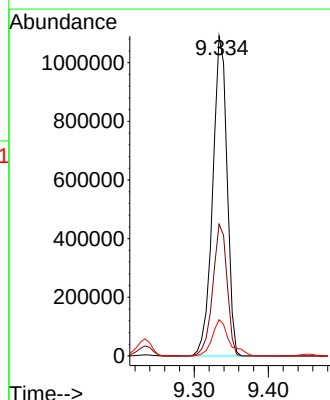
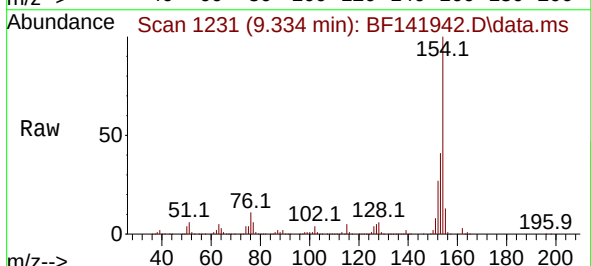
Tgt Ion:154 Resp: 1464225

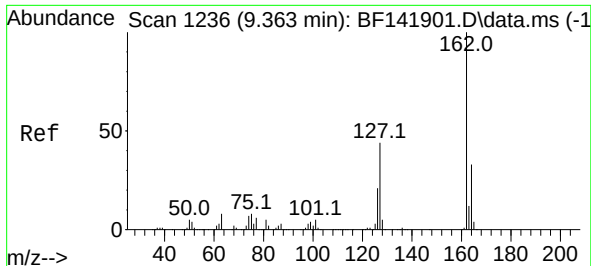
Ion Ratio Lower Upper

154 100

153 41.2 21.1 61.1

76 11.3 0.0 31.3





#47

2-Chloronaphthalene

Concen: 43.696 ng

RT: 9.363 min Scan# 1236

Delta R.T. 0.000 min

Lab File: BF141942.D

Acq: 13 Mar 2025 13:47

Instrument :

BNA_F

ClientSampleId :

PB167097BSD

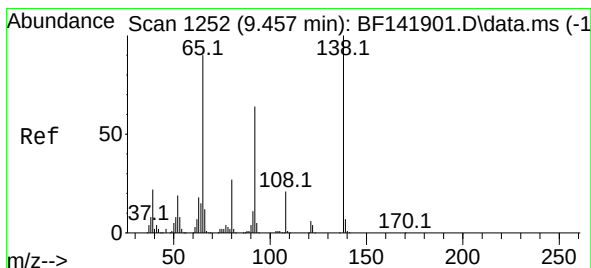
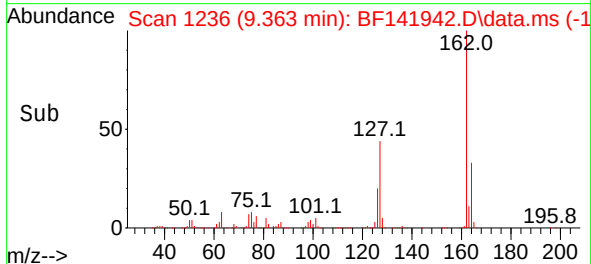
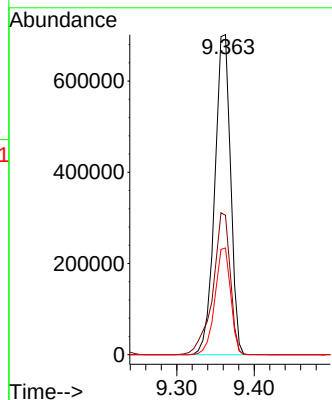
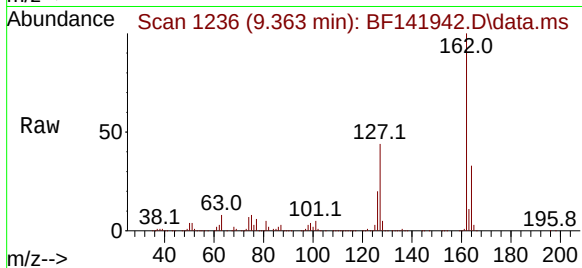
Tgt Ion:162 Resp: 994179

Ion Ratio Lower Upper

162 100

127 43.6 35.5 53.3

164 33.4 26.6 40.0



#48

2-Nitroaniline

Concen: 45.243 ng

RT: 9.451 min Scan# 1251

Delta R.T. -0.006 min

Lab File: BF141942.D

Acq: 13 Mar 2025 13:47

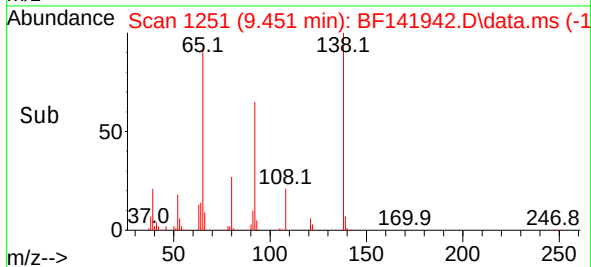
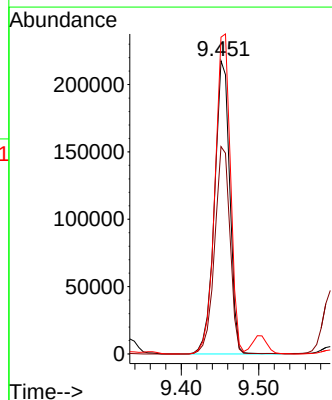
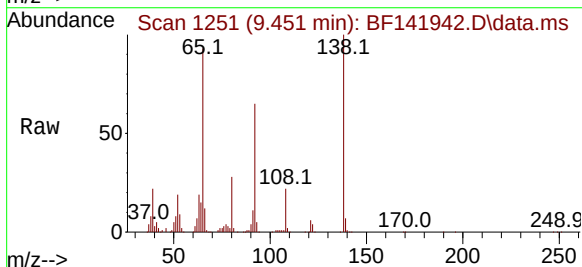
Tgt Ion: 65 Resp: 298045

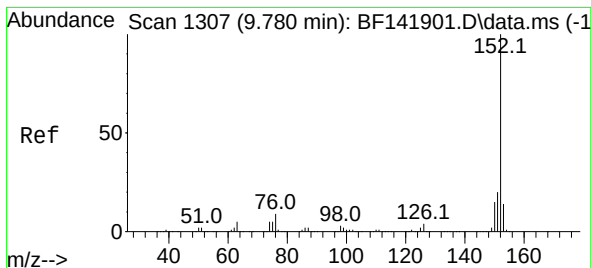
Ion Ratio Lower Upper

65 100

92 70.7 56.6 84.8

138 108.1 88.6 133.0





#49

Acenaphthylene

Concen: 46.120 ng

RT: 9.775 min Scan# 1306

Delta R.T. -0.006 min

Lab File: BF141942.D

Acq: 13 Mar 2025 13:47

Instrument :

BNA_F

ClientSampleId :

PB167097BSD

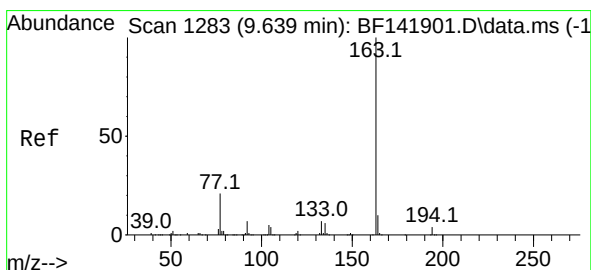
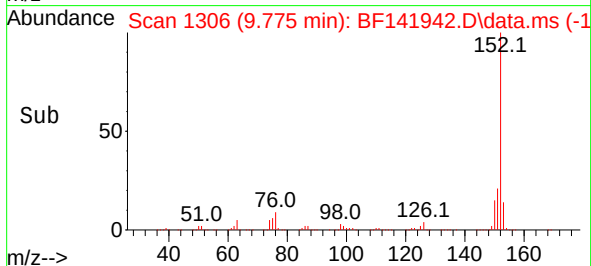
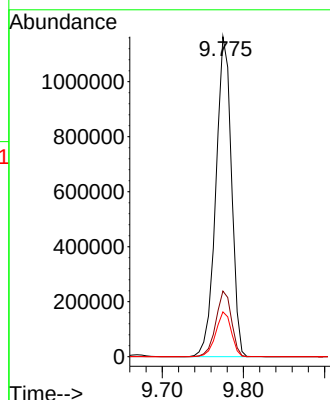
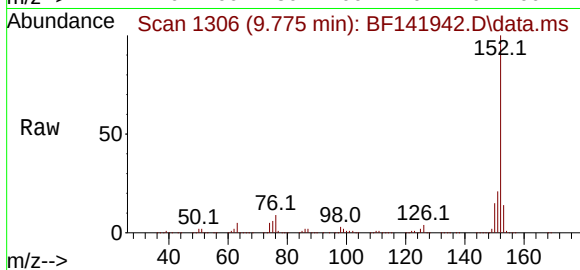
Tgt Ion:152 Resp: 1557169

Ion Ratio Lower Upper

152 100

151 20.5 16.3 24.5

153 14.0 11.1 16.7



#50

Dimethylphthalate

Concen: 42.463 ng

RT: 9.639 min Scan# 1283

Delta R.T. 0.000 min

Lab File: BF141942.D

Acq: 13 Mar 2025 13:47

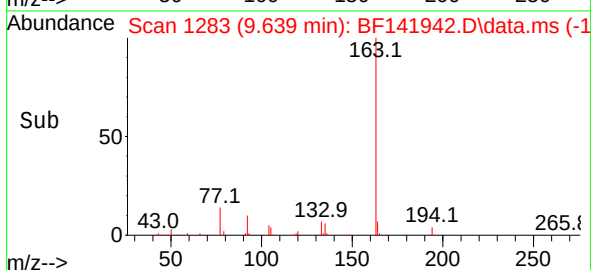
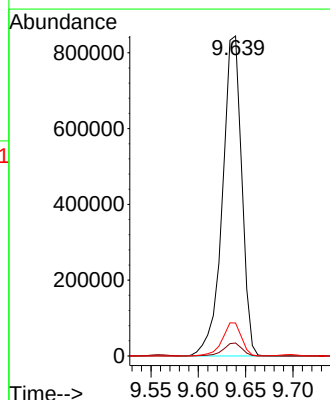
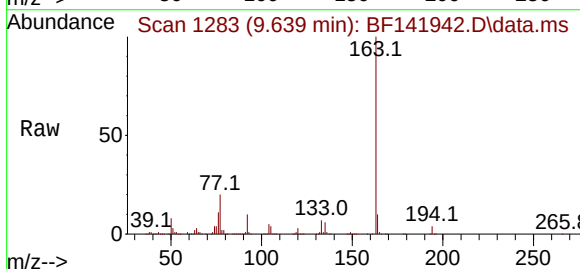
Tgt Ion:163 Resp: 1194632

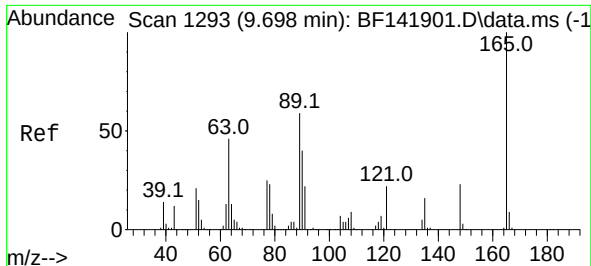
Ion Ratio Lower Upper

163 100

194 4.1 3.1 4.7

164 10.3 8.2 12.4





#51

2,6-Dinitrotoluene

Concen: 44.989 ng

RT: 9.698 min Scan# 1293

Delta R.T. 0.000 min

Lab File: BF141942.D

Acq: 13 Mar 2025 13:47

Instrument :

BNA_F

ClientSampleId :

PB167097BSD

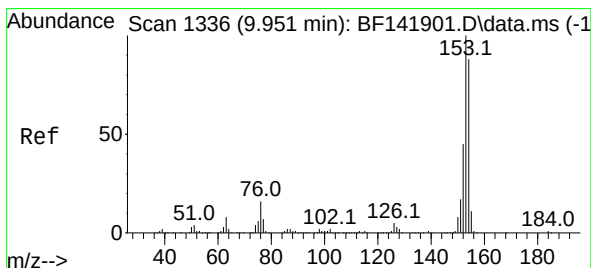
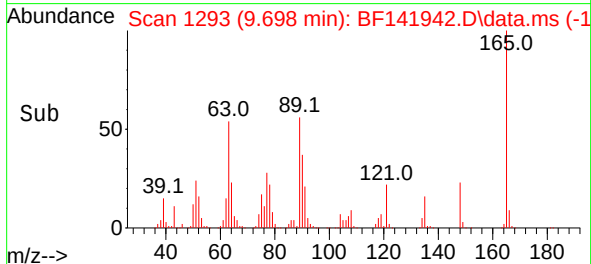
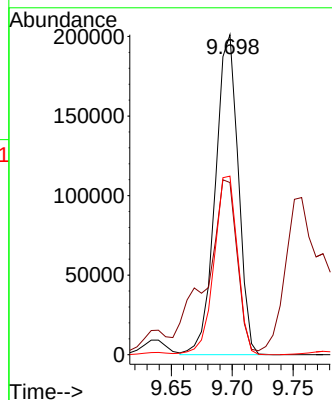
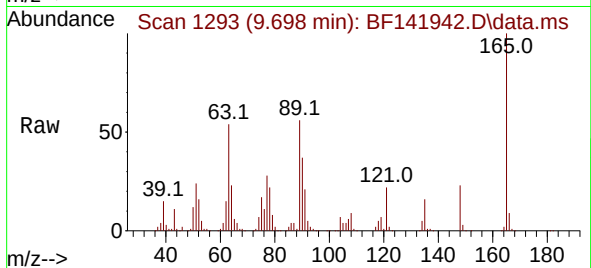
Tgt Ion:165 Resp: 263529

Ion Ratio Lower Upper

165 100

63 53.8 47.0 70.4

89 55.8 47.4 71.2



#52

Acenaphthene

Concen: 49.639 ng

RT: 9.951 min Scan# 1336

Delta R.T. 0.000 min

Lab File: BF141942.D

Acq: 13 Mar 2025 13:47

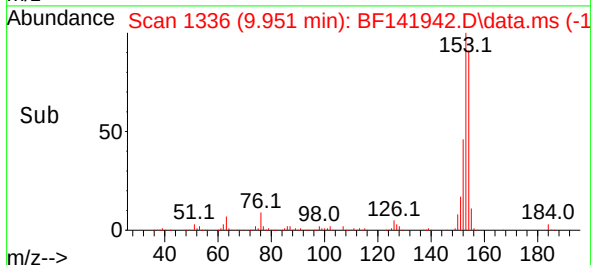
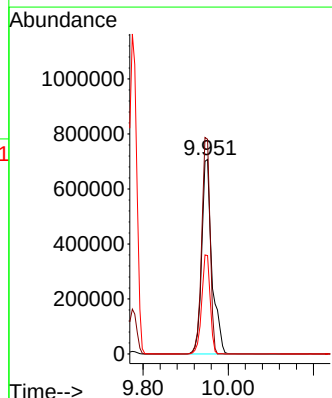
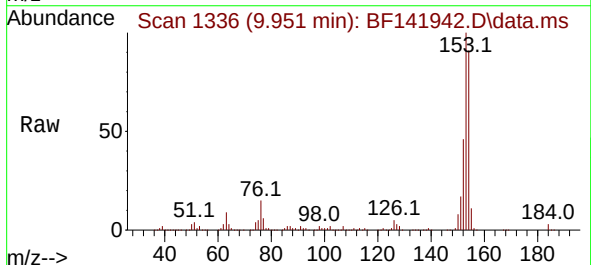
Tgt Ion:154 Resp: 1177793

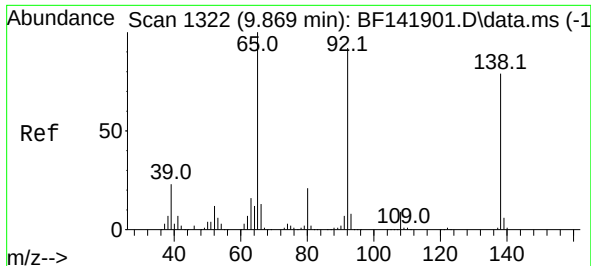
Ion Ratio Lower Upper

154 100

153 110.4 90.7 136.1

152 50.6 41.1 61.7





#53

3-Nitroaniline

Concen: 26.841 ng

RT: 9.863 min Scan# 1321

Delta R.T. -0.006 min

Lab File: BF141942.D

Acq: 13 Mar 2025 13:47

Instrument :

BNA_F

ClientSampleId :

PB167097BSD

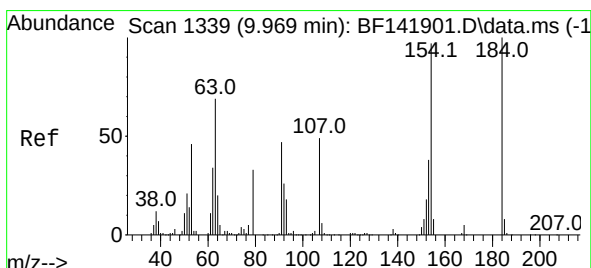
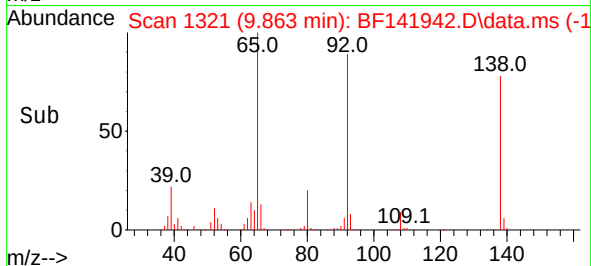
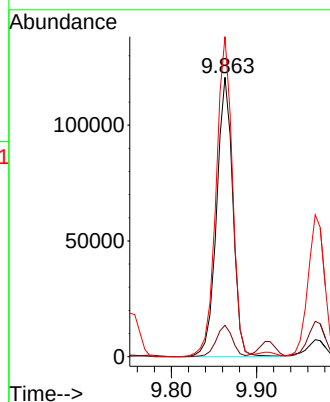
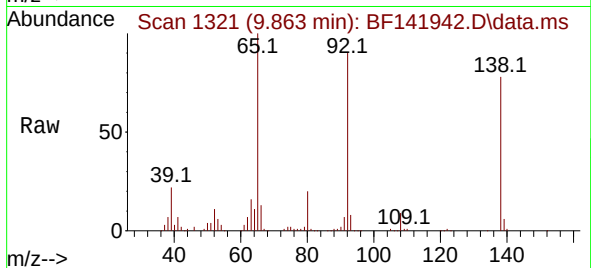
Tgt Ion:138 Resp: 159486

Ion Ratio Lower Upper

138 100

108 11.2 9.3 13.9

92 114.6 93.5 140.3



#54

2,4-Dinitrophenol

Concen: 94.980 ng

RT: 9.969 min Scan# 1339

Delta R.T. -0.000 min

Lab File: BF141942.D

Acq: 13 Mar 2025 13:47

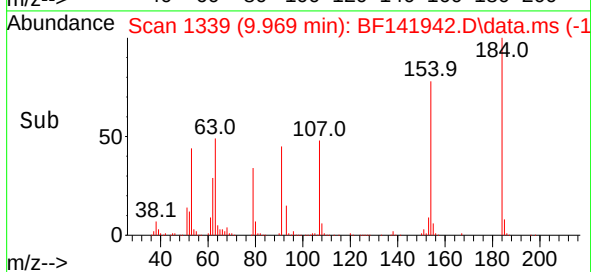
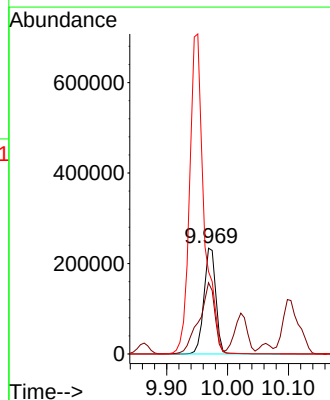
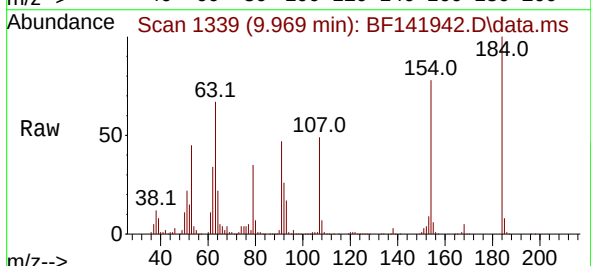
Tgt Ion:184 Resp: 320573

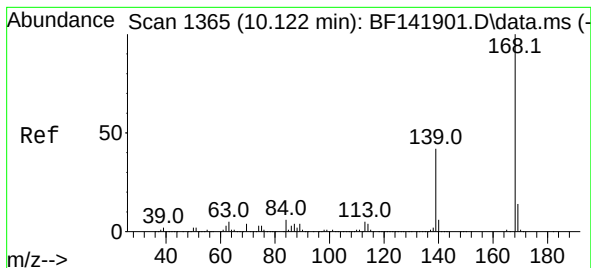
Ion Ratio Lower Upper

184 100

63 67.3 60.2 90.4

154 77.9 132.9 199.3#

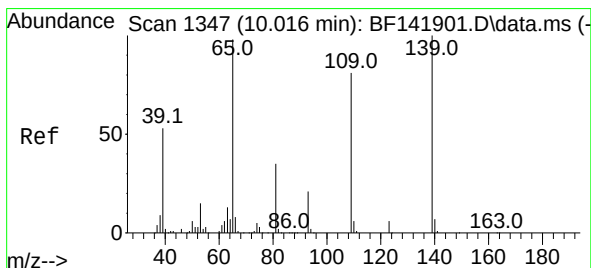
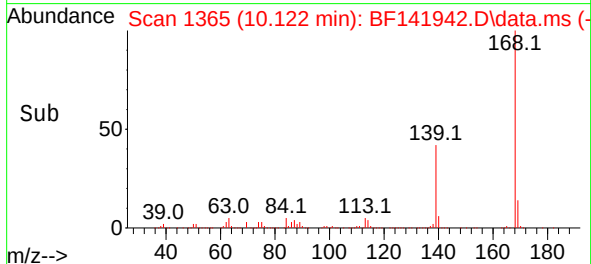
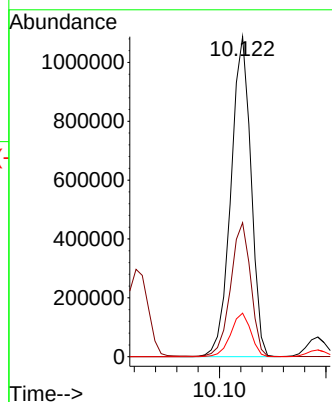
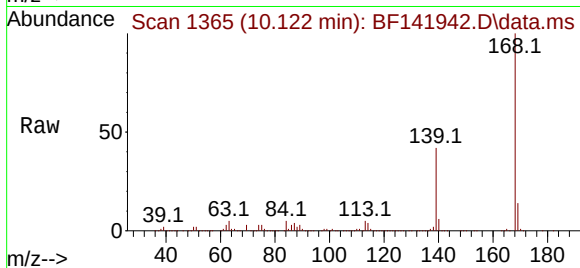




#55
Dibenzenofuran
Concen: 42.011 ng
RT: 10.122 min Scan# 141
Delta R.T. 0.000 min
Lab File: BF141942.D
Acq: 13 Mar 2025 13:47

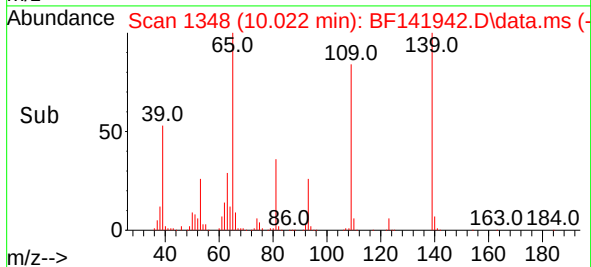
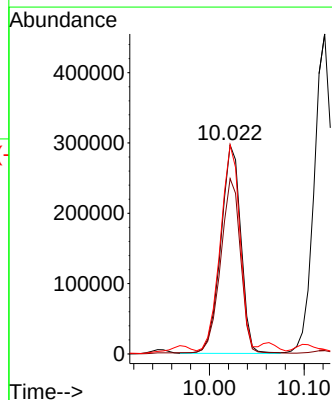
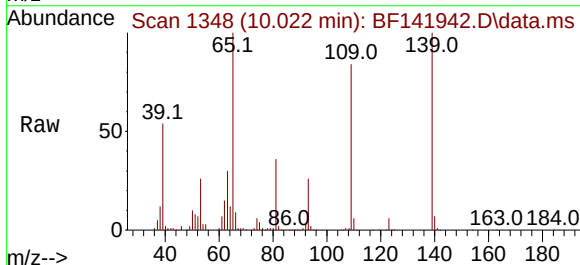
Instrument :
BNA_F
ClientSampleId :
PB167097BSD

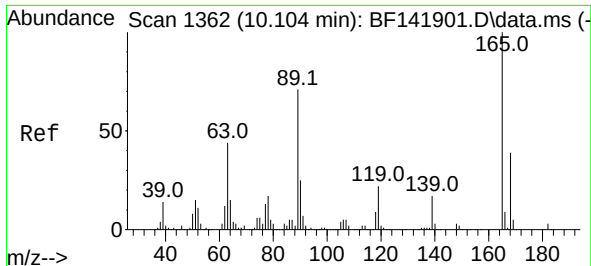
Tgt Ion:168 Resp: 1424322
Ion Ratio Lower Upper
168 100
139 41.8 33.9 50.9
169 13.6 11.0 16.4



#56
4-Nitrophenol
Concen: 97.292 ng
RT: 10.022 min Scan# 1348
Delta R.T. 0.006 min
Lab File: BF141942.D
Acq: 13 Mar 2025 13:47

Tgt Ion:139 Resp: 435956
Ion Ratio Lower Upper
139 100
109 83.9 61.6 101.6
65 100.0 79.4 119.4

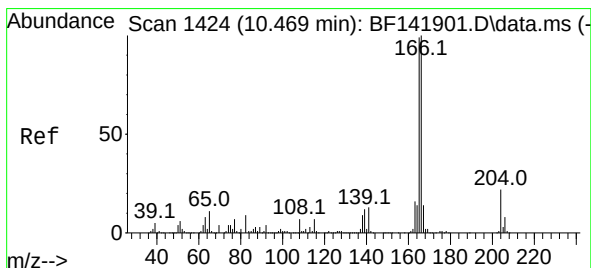
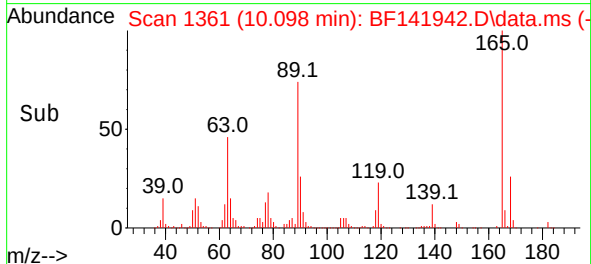
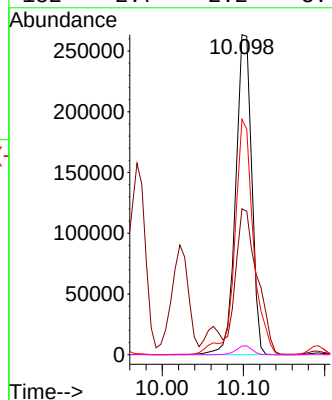
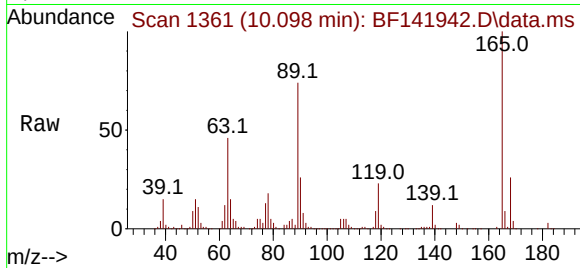




#57
2,4-Dinitrotoluene
Concen: 47.038 ng
RT: 10.098 min Scan# 1419
Delta R.T. -0.006 min
Lab File: BF141942.D
Acq: 13 Mar 2025 13:47

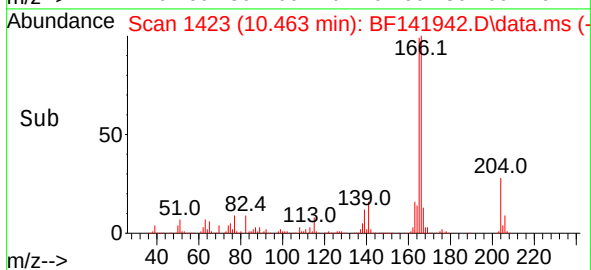
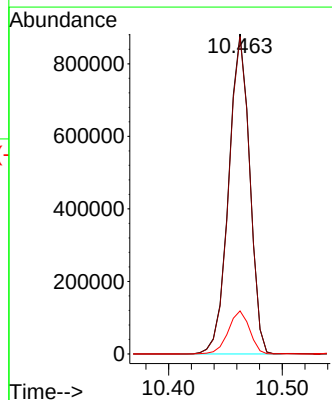
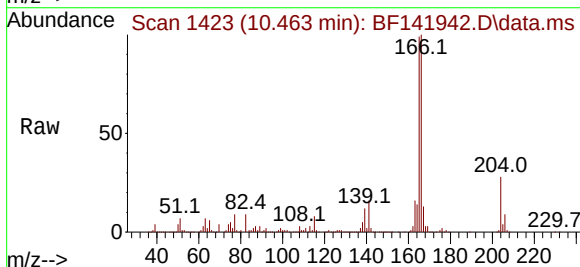
Instrument :
BNA_F
ClientSampleId :
PB167097BSD

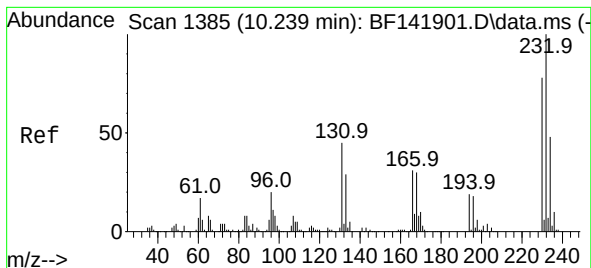
Tgt Ion:165 Resp: 359870
Ion Ratio Lower Upper
165 100
63 45.6 35.4 53.2
89 73.6 56.6 84.8
182 2.7 2.2 3.4



#58
Fluorene
Concen: 43.467 ng
RT: 10.463 min Scan# 1423
Delta R.T. -0.006 min
Lab File: BF141942.D
Acq: 13 Mar 2025 13:47

Tgt Ion:166 Resp: 1136451
Ion Ratio Lower Upper
166 100
165 99.2 79.0 118.4
167 13.4 11.0 16.4

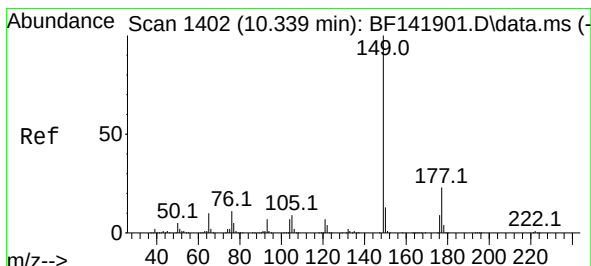
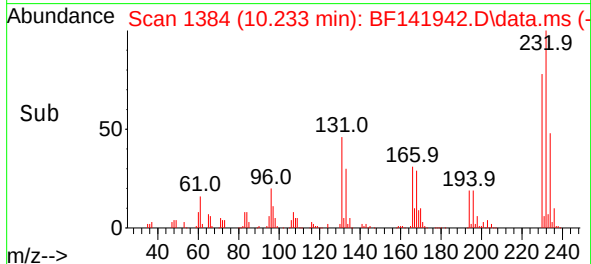
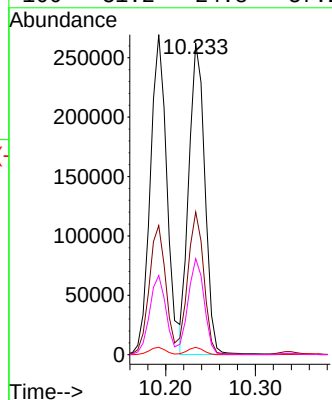
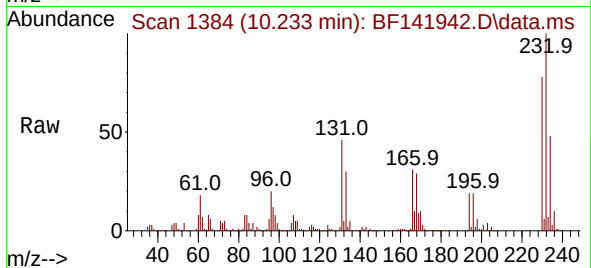




#59
2,3,4,6-Tetrachlorophenol
Concen: 43.930 ng
RT: 10.233 min Scan# 1384
Delta R.T. -0.006 min
Lab File: BF141942.D
Acq: 13 Mar 2025 13:47

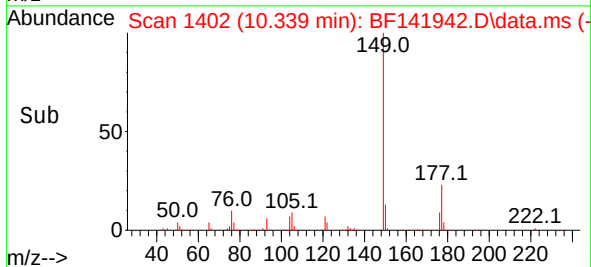
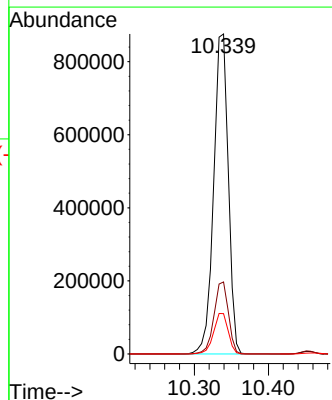
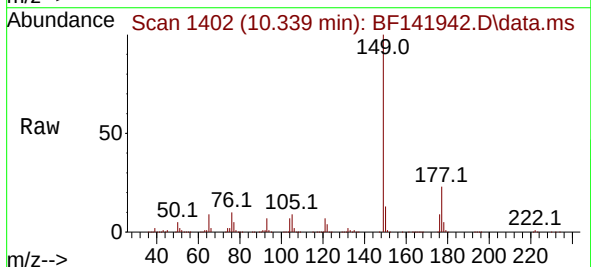
Instrument :
BNA_F
ClientSampleId :
PB167097BSD

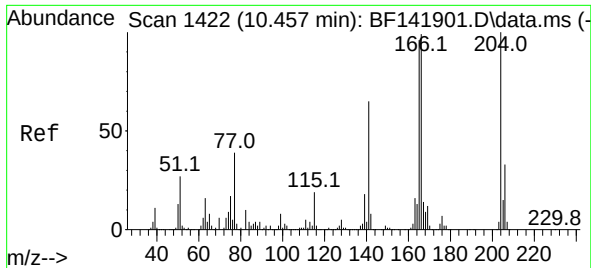
Tgt Ion:232 Resp: 323646
Ion Ratio Lower Upper
232 100
131 46.4 37.3 55.9
130 2.4 1.9 2.9
166 31.2 24.8 37.2



#60
Diethylphthalate
Concen: 42.727 ng
RT: 10.339 min Scan# 1402
Delta R.T. 0.000 min
Lab File: BF141942.D
Acq: 13 Mar 2025 13:47

Tgt Ion:149 Resp: 1198598
Ion Ratio Lower Upper
149 100
177 22.5 18.0 27.0
150 12.6 10.2 15.4

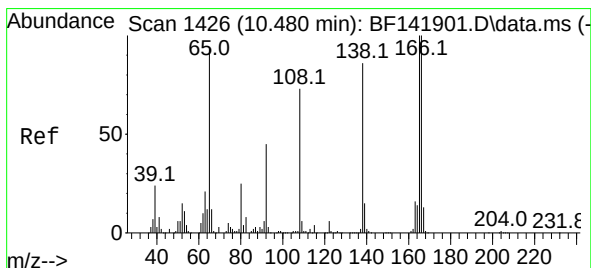
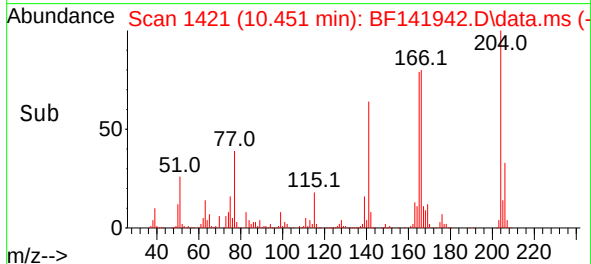
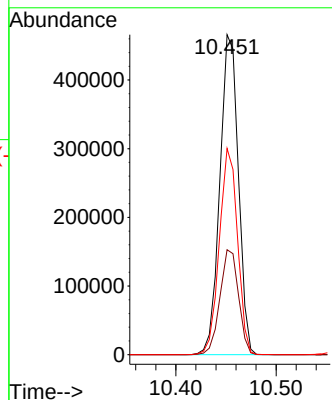
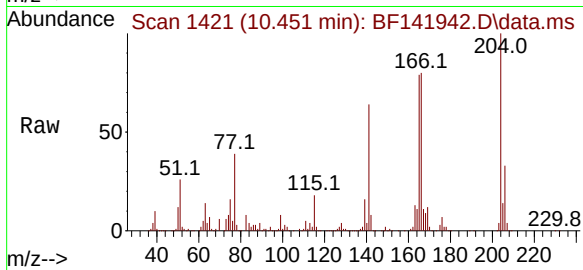




#61
4-Chlorophenyl-phenylether
Concen: 43.631 ng
RT: 10.451 min Scan# 1422
Delta R.T. -0.006 min
Lab File: BF141942.D
Acq: 13 Mar 2025 13:47

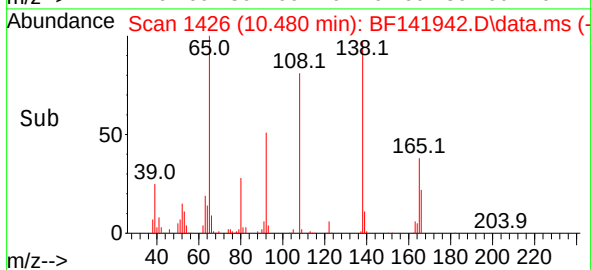
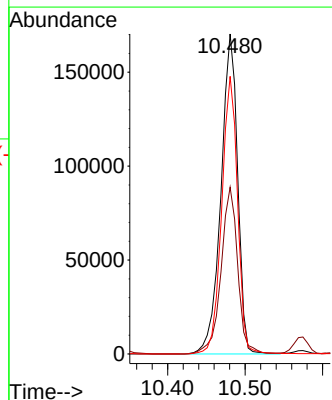
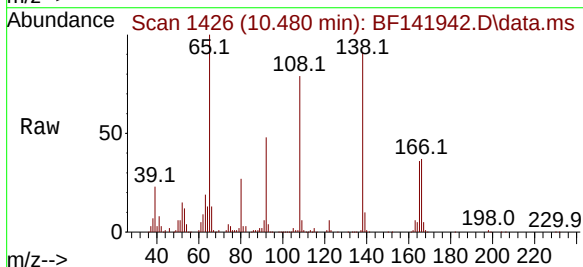
Instrument :
BNA_F
ClientSampleId :
PB167097BSD

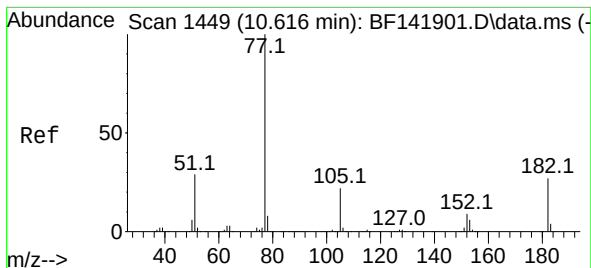
Tgt Ion:204 Resp: 594729
Ion Ratio Lower Upper
204 100
206 32.8 26.8 40.2
141 64.4 52.4 78.6



#62
4-Nitroaniline
Concen: 44.221 ng
RT: 10.480 min Scan# 1426
Delta R.T. 0.000 min
Lab File: BF141942.D
Acq: 13 Mar 2025 13:47

Tgt Ion:138 Resp: 255806
Ion Ratio Lower Upper
138 100
92 52.1 32.6 72.6
108 86.8 65.0 105.0

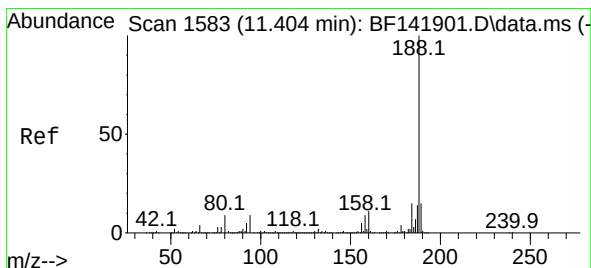
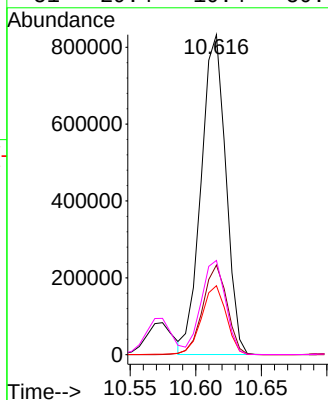
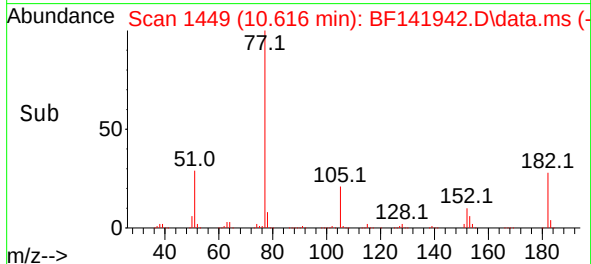
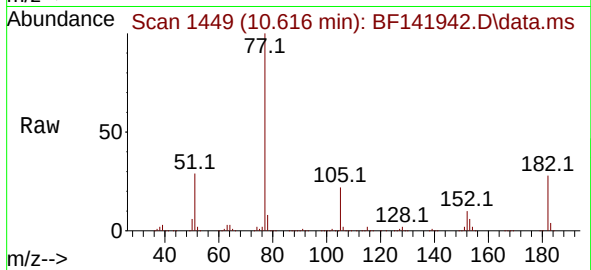




#63
Azobenzene
Concen: 41.795 ng
RT: 10.616 min Scan# 1449
Delta R.T. 0.000 min
Lab File: BF141942.D
Acq: 13 Mar 2025 13:47

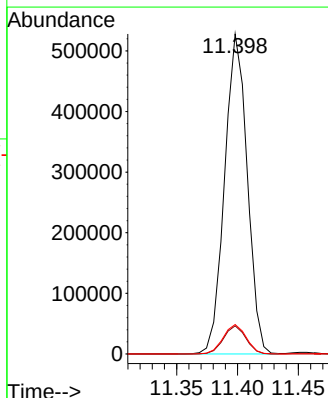
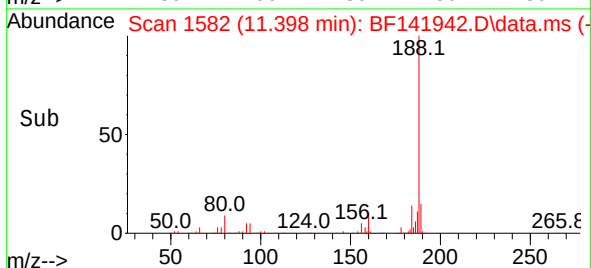
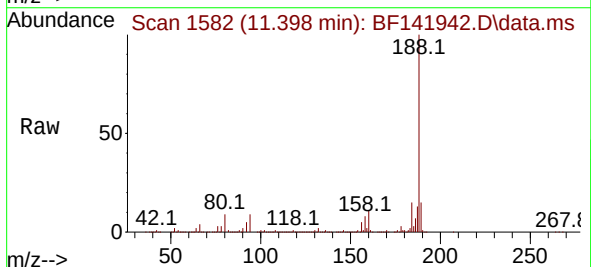
Instrument :
BNA_F
ClientSampleId :
PB167097BSD

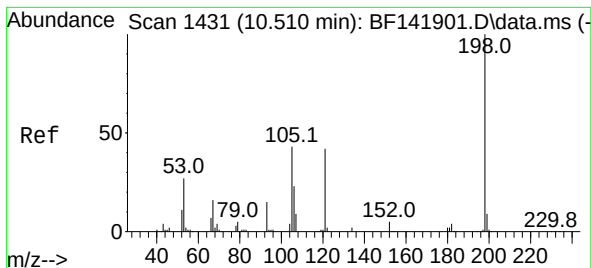
Tgt Ion: 77 Resp: 1090059
Ion Ratio Lower Upper
77 100
182 28.0 6.6 46.6
105 21.6 1.3 41.3
51 29.4 10.4 50.4



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.398 min Scan# 1582
Delta R.T. -0.006 min
Lab File: BF141942.D
Acq: 13 Mar 2025 13:47

Tgt Ion:188 Resp: 683407
Ion Ratio Lower Upper
188 100
94 8.8 6.8 10.2
80 9.2 7.6 11.4

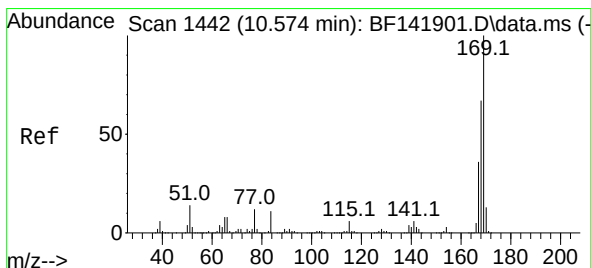
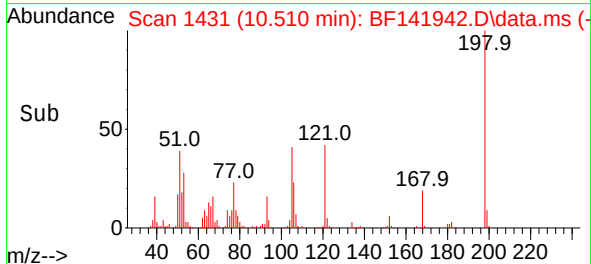
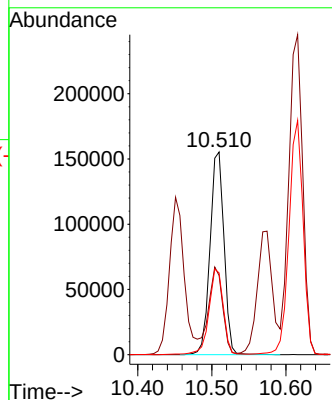
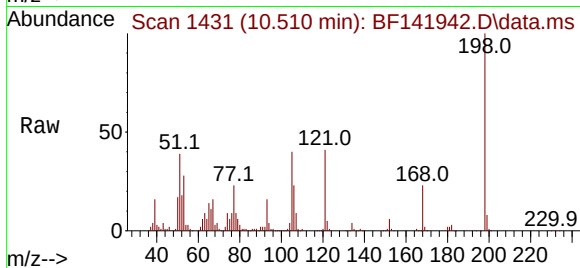




#65
4,6-Dinitro-2-methylphenol
Concen: 49.919 ng
RT: 10.510 min Scan# 1431
Delta R.T. -0.000 min
Lab File: BF141942.D
Acq: 13 Mar 2025 13:47

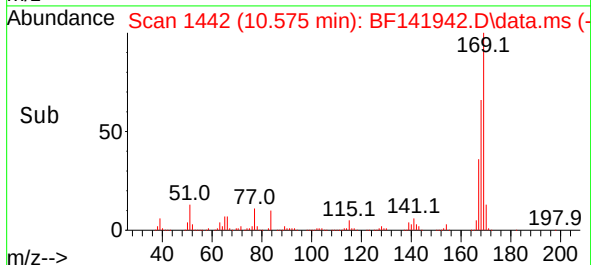
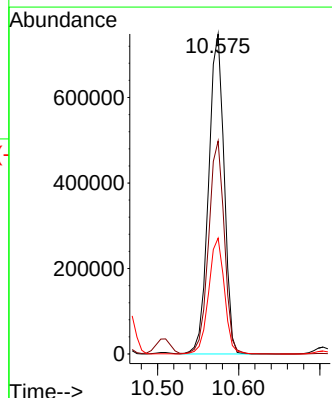
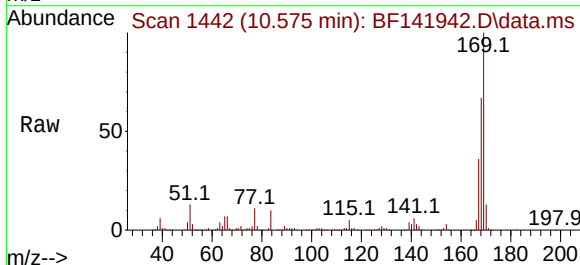
Instrument :
BNA_F
ClientSampleId :
PB167097BSD

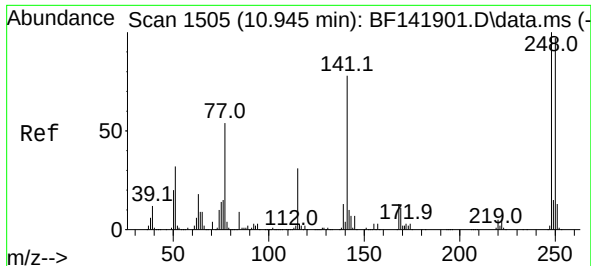
Tgt Ion:198 Resp: 203376
Ion Ratio Lower Upper
198 100
51 39.1 22.3 62.3
105 40.4 23.0 63.0



#66
n-Nitrosodiphenylamine
Concen: 44.799 ng
RT: 10.575 min Scan# 1442
Delta R.T. 0.000 min
Lab File: BF141942.D
Acq: 13 Mar 2025 13:47

Tgt Ion:169 Resp: 990749
Ion Ratio Lower Upper
169 100
168 66.5 53.7 80.5
167 36.2 29.2 43.8

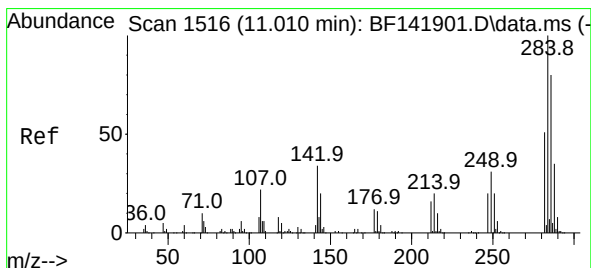
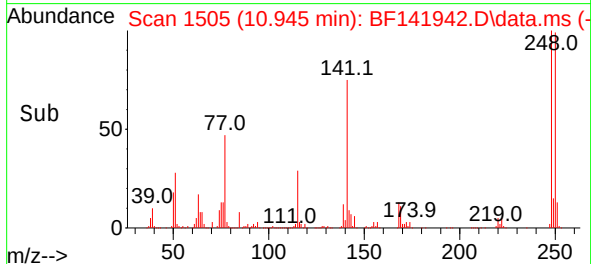
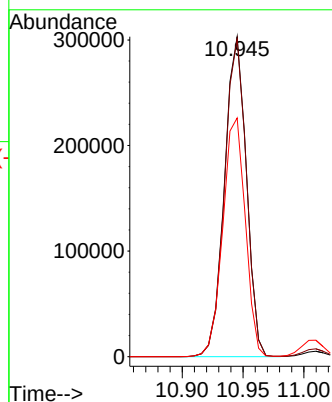
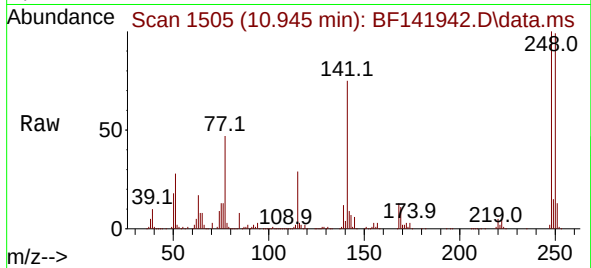




#67
4-Bromophenyl-phenylether
Concen: 44.271 ng
RT: 10.945 min Scan# 1505
Delta R.T. 0.000 min
Lab File: BF141942.D
Acq: 13 Mar 2025 13:47

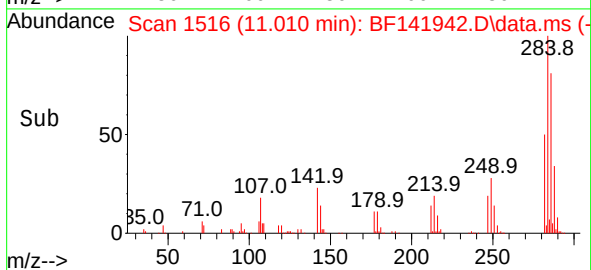
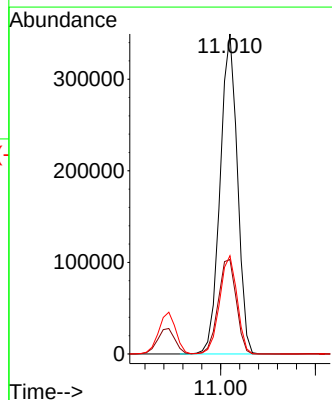
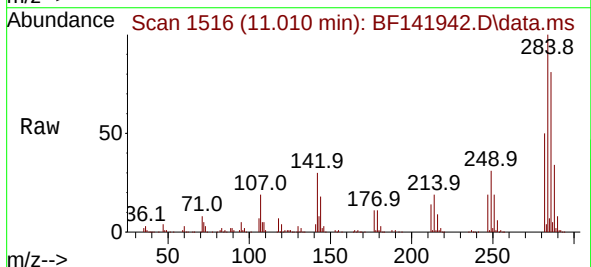
Instrument :
BNA_F
ClientSampleId :
PB167097BSD

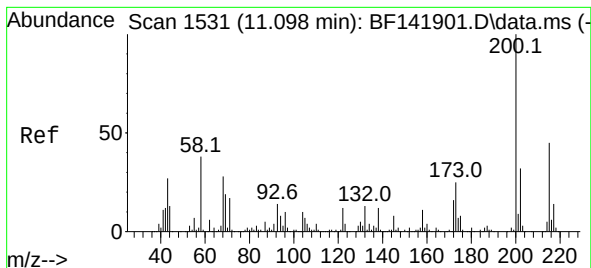
Tgt Ion:248 Resp: 379973
Ion Ratio Lower Upper
248 100
250 99.4 77.8 116.8
141 74.6 62.6 93.8



#68
Hexachlorobenzene
Concen: 46.983 ng
RT: 11.010 min Scan# 1516
Delta R.T. 0.000 min
Lab File: BF141942.D
Acq: 13 Mar 2025 13:47

Tgt Ion:284 Resp: 442267
Ion Ratio Lower Upper
284 100
142 29.5 27.0 40.6
249 30.7 25.2 37.8





#69

Atrazine

Concen: 59.122 ng

RT: 11.098 min Scan# 1531

Delta R.T. 0.000 min

Lab File: BF141942.D

Acq: 13 Mar 2025 13:47

Instrument :

BNA_F

ClientSampleId :

PB167097BSD

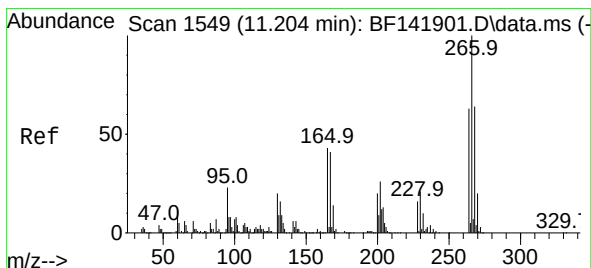
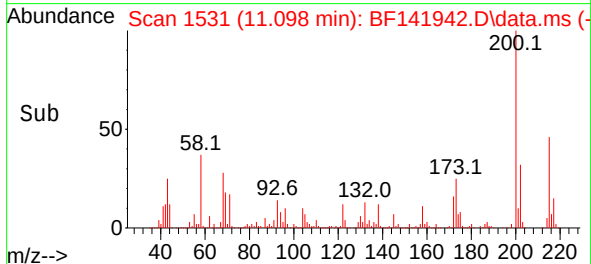
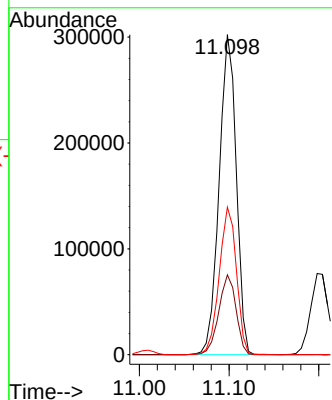
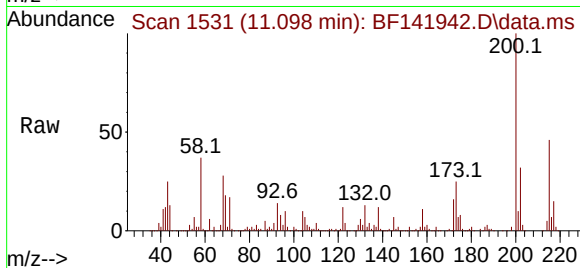
Tgt Ion:200 Resp: 400827

Ion Ratio Lower Upper

200 100

173 25.0 4.7 44.7

215 46.1 25.4 65.4



#70

Pentachlorophenol

Concen: 95.557 ng

RT: 11.204 min Scan# 1549

Delta R.T. 0.000 min

Lab File: BF141942.D

Acq: 13 Mar 2025 13:47

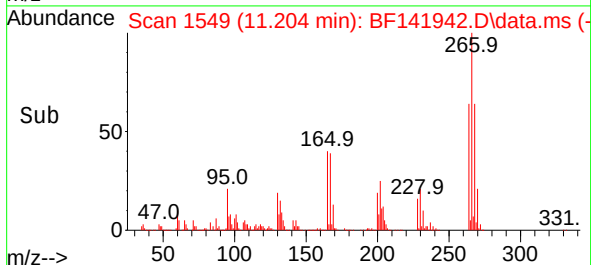
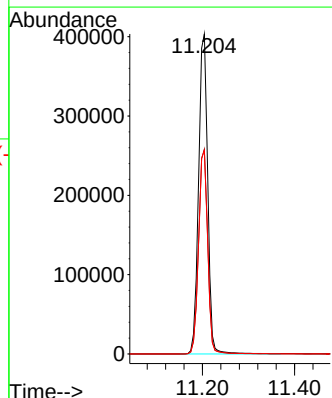
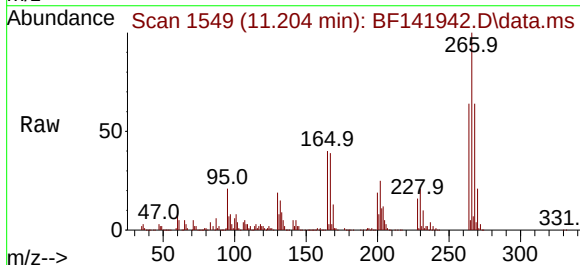
Tgt Ion:266 Resp: 554214

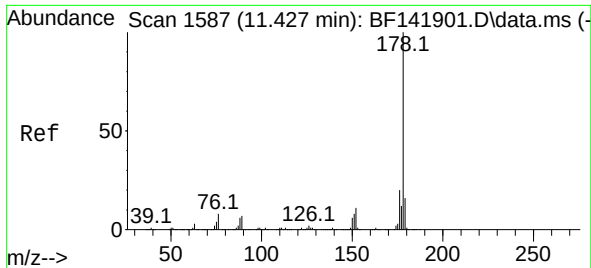
Ion Ratio Lower Upper

266 100

268 64.0 51.0 76.6

264 63.6 50.2 75.2

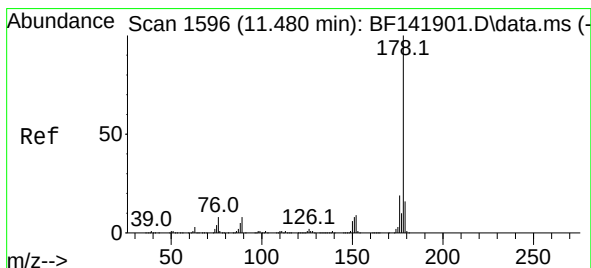
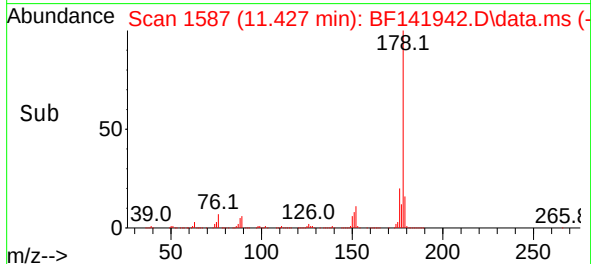
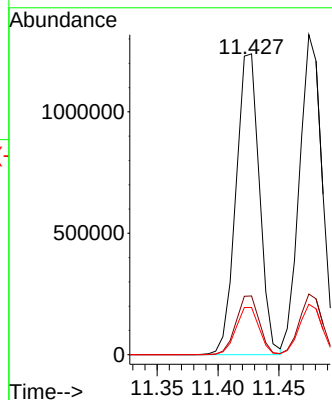
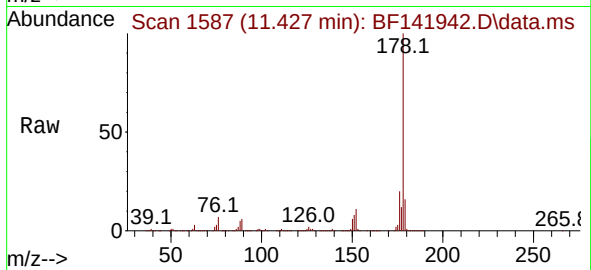




#71
Phenanthrene
Concen: 45.023 ng
RT: 11.427 min Scan# 1587
Delta R.T. 0.000 min
Lab File: BF141942.D
Acq: 13 Mar 2025 13:47

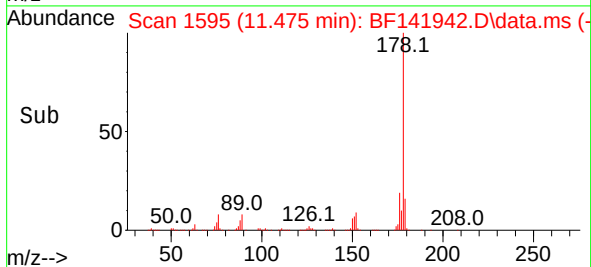
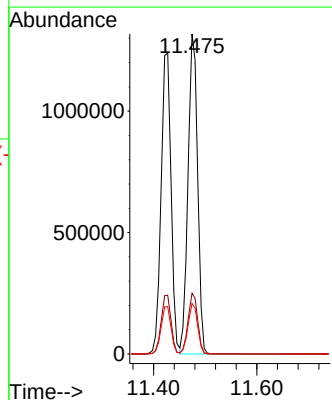
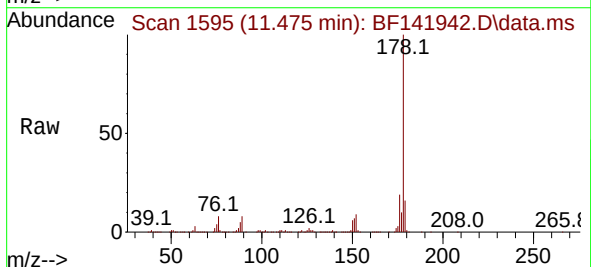
Instrument :
BNA_F
ClientSampleId :
PB167097BSD

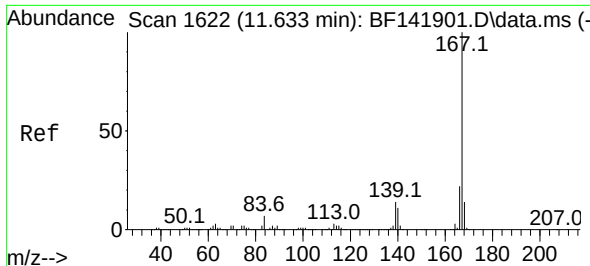
Tgt Ion:178 Resp: 1661922
Ion Ratio Lower Upper
178 100
176 19.5 15.8 23.8
179 15.7 12.6 19.0



#72
Anthracene
Concen: 45.846 ng
RT: 11.475 min Scan# 1595
Delta R.T. -0.006 min
Lab File: BF141942.D
Acq: 13 Mar 2025 13:47

Tgt Ion:178 Resp: 1697853
Ion Ratio Lower Upper
178 100
176 18.9 15.1 22.7
179 15.8 12.6 19.0

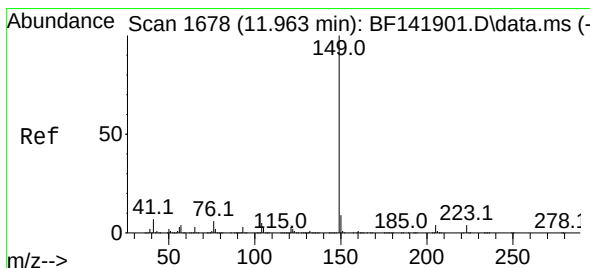
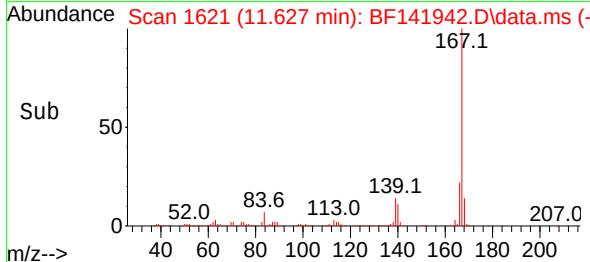
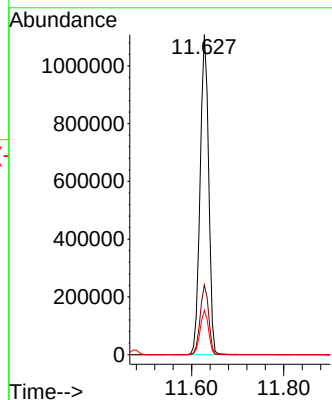
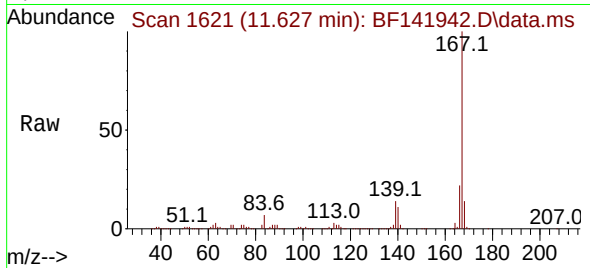




#73
 Carbazole
 Concen: 44.509 ng
 RT: 11.627 min Scan# 1621
 Delta R.T. -0.006 min
 Lab File: BF141942.D
 Acq: 13 Mar 2025 13:47

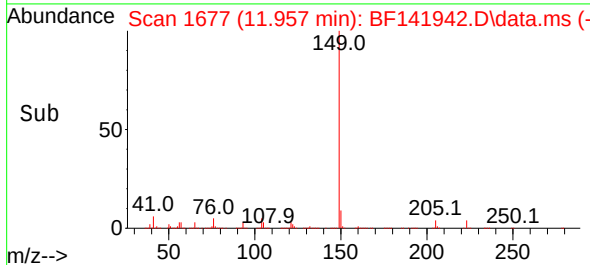
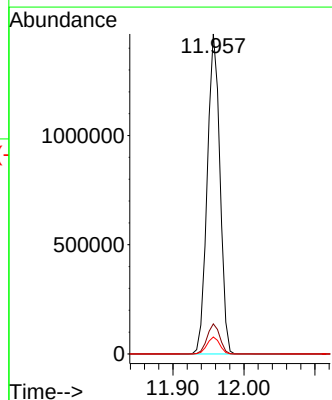
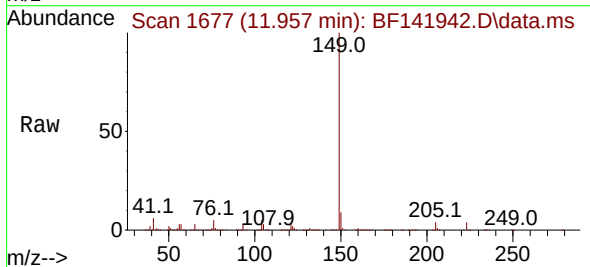
Instrument :
 BNA_F
 ClientSampleId :
 PB167097BSD

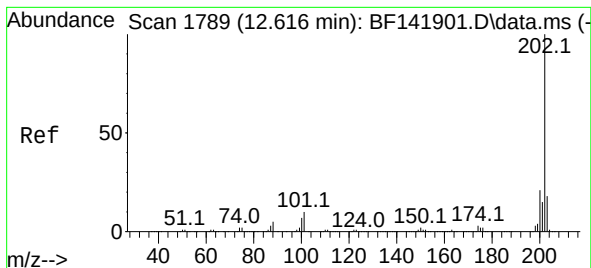
Tgt Ion:167 Resp: 1421538
 Ion Ratio Lower Upper
 167 100
 166 21.8 17.4 26.2
 139 13.8 11.0 16.6



#74
 Di-n-butylphthalate
 Concen: 43.052 ng
 RT: 11.957 min Scan# 1677
 Delta R.T. -0.006 min
 Lab File: BF141942.D
 Acq: 13 Mar 2025 13:47

Tgt Ion:149 Resp: 1824481
 Ion Ratio Lower Upper
 149 100
 150 9.4 7.6 11.4
 104 5.3 4.4 6.6

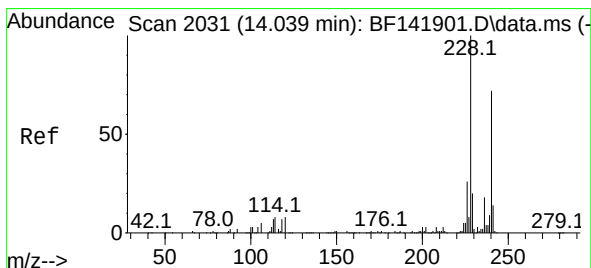
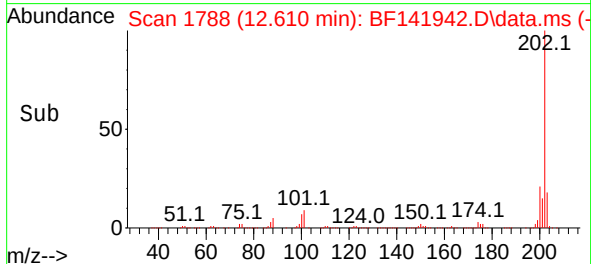
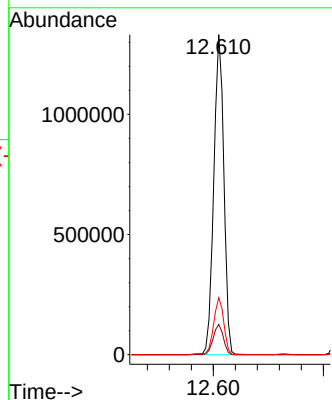
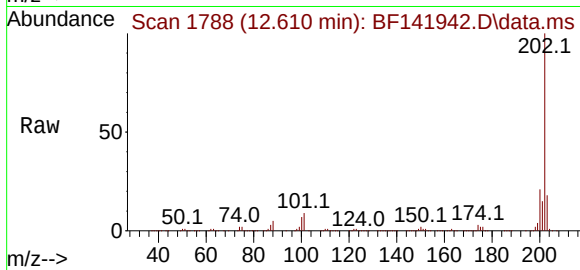




#75
Fluoranthene
Concen: 43.287 ng
RT: 12.610 min Scan# 1789
Delta R.T. -0.006 min
Lab File: BF141942.D
Acq: 13 Mar 2025 13:47

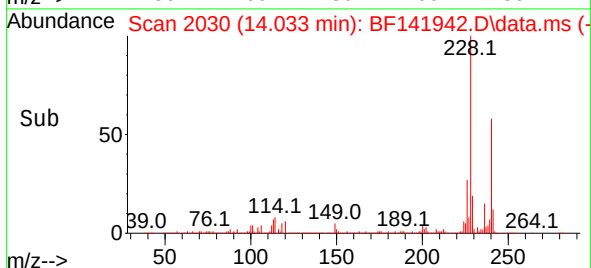
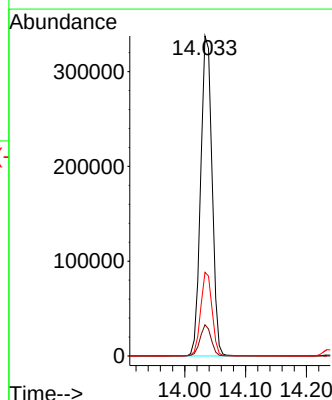
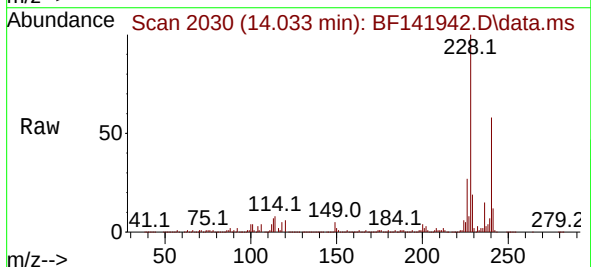
Instrument :
BNA_F
ClientSampleId :
PB167097BSD

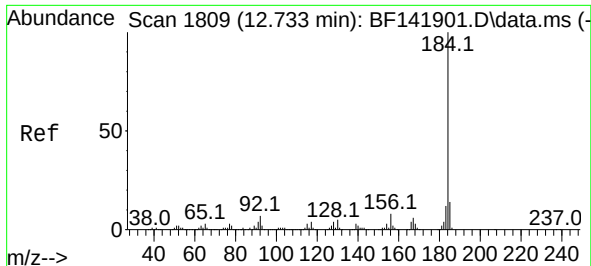
Tgt Ion:202 Resp: 1694947
Ion Ratio Lower Upper
202 100
101 9.5 0.0 29.7
203 17.8 0.0 37.8



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.033 min Scan# 2030
Delta R.T. -0.006 min
Lab File: BF141942.D
Acq: 13 Mar 2025 13:47

Tgt Ion:240 Resp: 437316
Ion Ratio Lower Upper
240 100
120 9.8 8.4 12.6
236 26.2 20.5 30.7

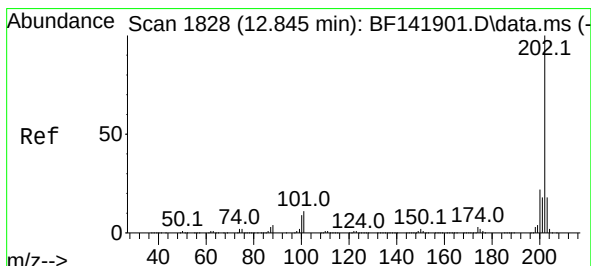
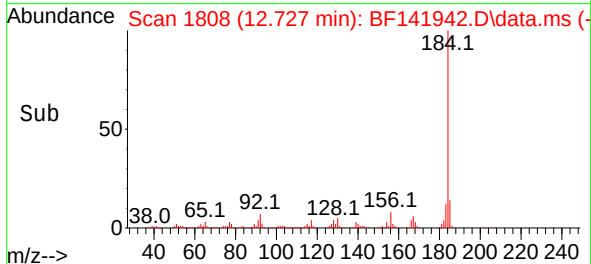
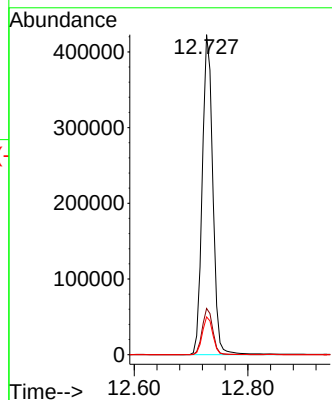
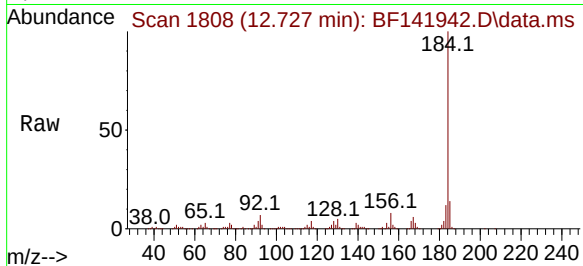




#77
Benzidine
Concen: 89.476 ng
RT: 12.727 min Scan# 1808
Delta R.T. -0.006 min
Lab File: BF141942.D
Acq: 13 Mar 2025 13:47

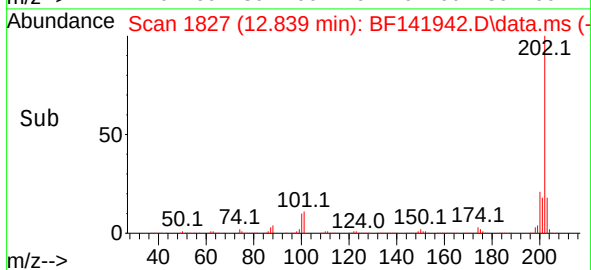
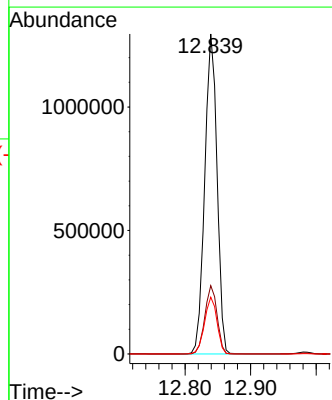
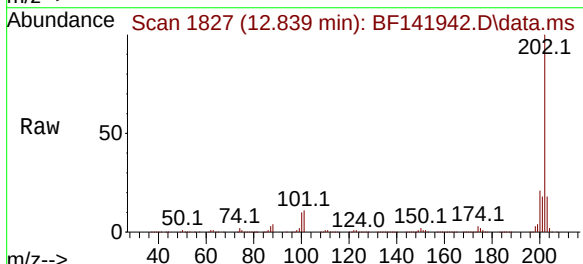
Instrument :
BNA_F
ClientSampleId :
PB167097BSD

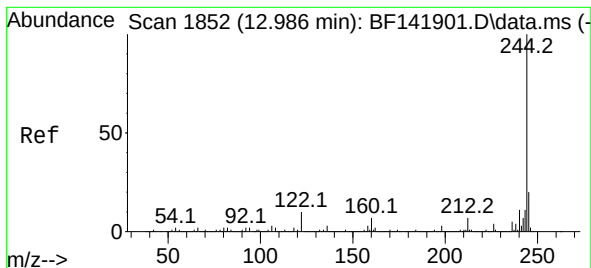
Tgt Ion:184 Resp: 545926
Ion Ratio Lower Upper
184 100
185 14.4 11.5 17.3
183 11.8 9.7 14.5



#78
Pyrene
Concen: 44.748 ng
RT: 12.839 min Scan# 1827
Delta R.T. -0.006 min
Lab File: BF141942.D
Acq: 13 Mar 2025 13:47

Tgt Ion:202 Resp: 1692747
Ion Ratio Lower Upper
202 100
200 21.3 17.3 25.9
203 17.8 14.4 21.6





#79

Terphenyl-d14

Concen: 101.143 ng

RT: 12.980 min Scan# 1851

Delta R.T. -0.006 min

Lab File: BF141942.D

Acq: 13 Mar 2025 13:47

Instrument :

BNA_F

ClientSampleId :

PB167097BSD

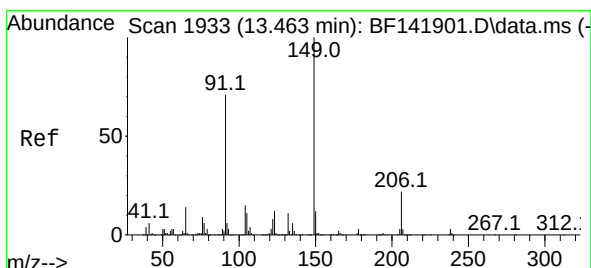
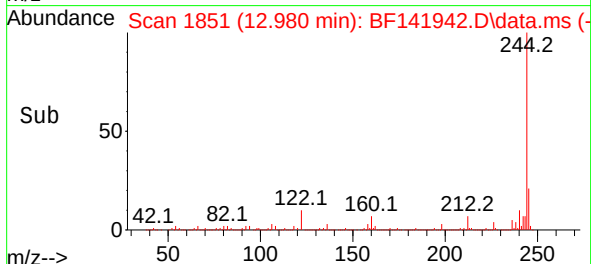
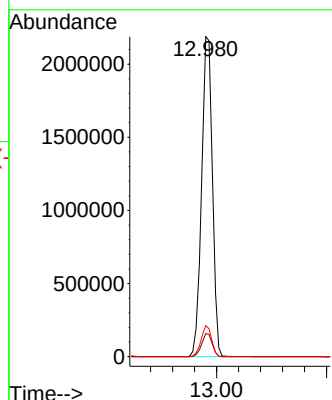
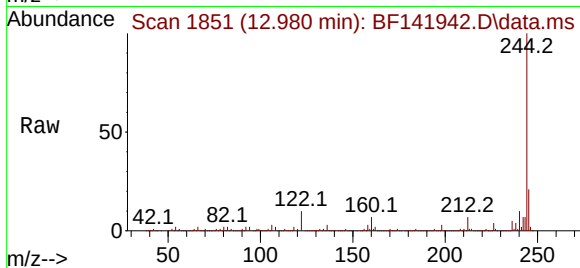
Tgt Ion:244 Resp: 2991728

Ion Ratio Lower Upper

244 100

212 7.2 6.0 9.0

122 9.7 7.7 11.5



#80

Butylbenzylphthalate

Concen: 43.665 ng

RT: 13.457 min Scan# 1932

Delta R.T. -0.006 min

Lab File: BF141942.D

Acq: 13 Mar 2025 13:47

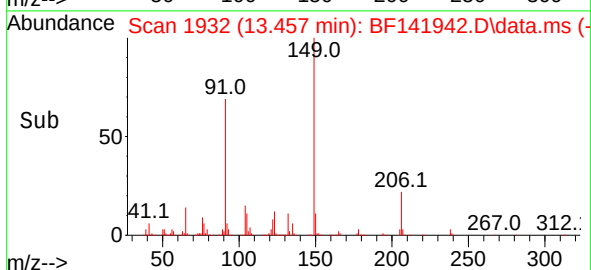
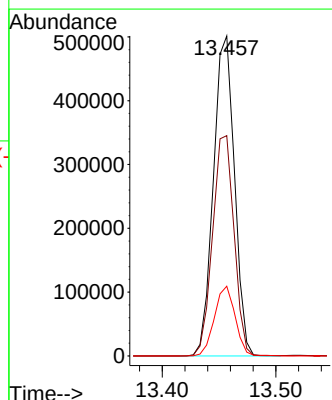
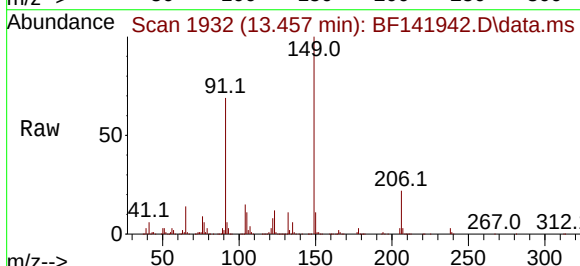
Tgt Ion:149 Resp: 646504

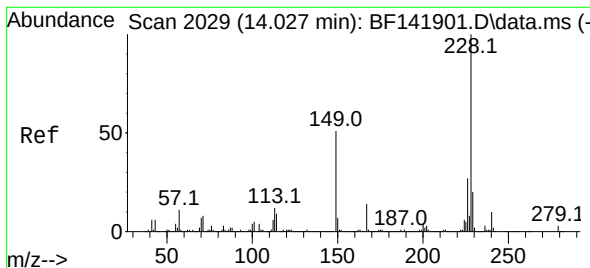
Ion Ratio Lower Upper

149 100

91 68.9 56.5 84.7

206 21.8 17.3 25.9





#81

Benzo(a)anthracene

Concen: 46.329 ng

RT: 14.021 min Scan# 2029

Delta R.T. -0.006 min

Lab File: BF141942.D

Acq: 13 Mar 2025 13:47

Instrument :

BNA_F

ClientSampleId :

PB167097BSD

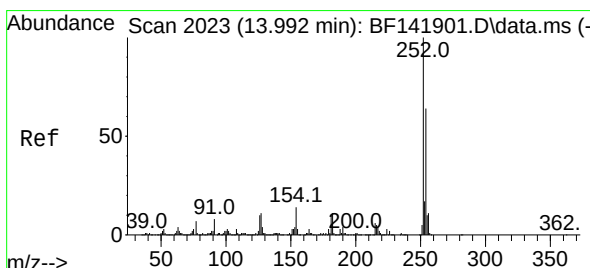
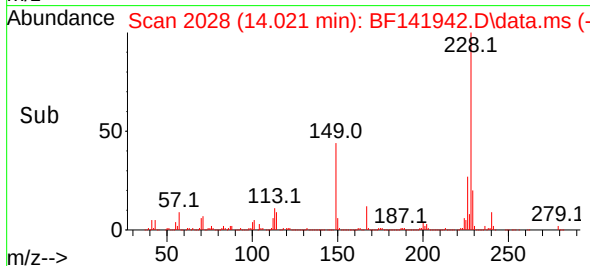
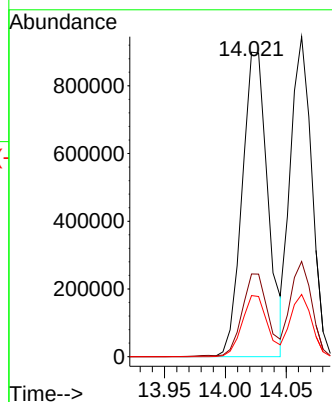
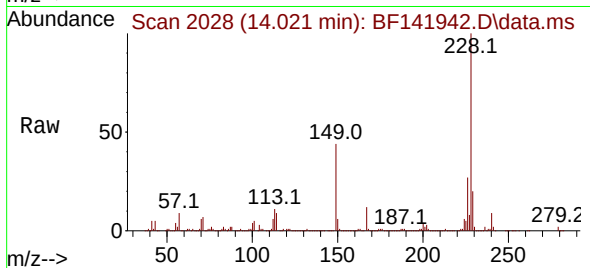
Tgt Ion:228 Resp: 1329501

Ion Ratio Lower Upper

228 100

226 27.2 21.8 32.8

229 20.1 16.0 24.0



#82

3,3'-Dichlorobenzidine

Concen: 29.785 ng

RT: 13.986 min Scan# 2022

Delta R.T. -0.006 min

Lab File: BF141942.D

Acq: 13 Mar 2025 13:47

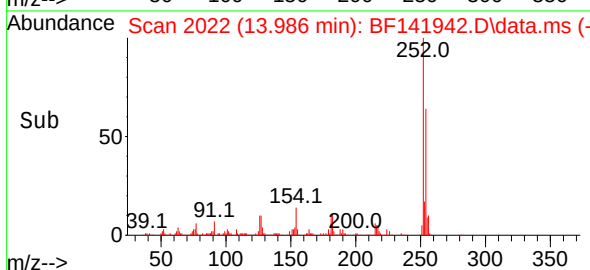
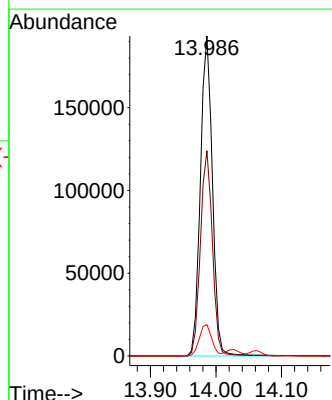
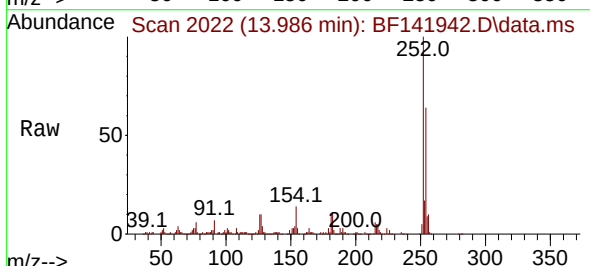
Tgt Ion:252 Resp: 247002

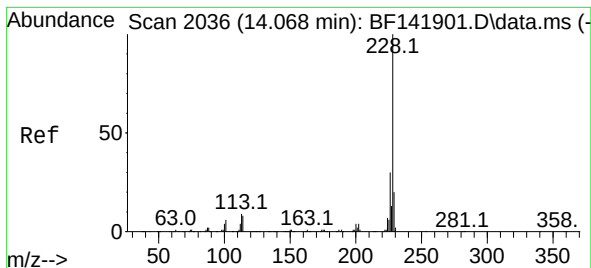
Ion Ratio Lower Upper

252 100

254 64.1 51.0 76.6

126 9.8 8.4 12.6





#83

Chrysene

Concen: 44.293 ng

RT: 14.063 min Scan# 2036

Delta R.T. -0.006 min

Lab File: BF141942.D

Acq: 13 Mar 2025 13:47

Instrument :

BNA_F

ClientSampleId :

PB167097BSD

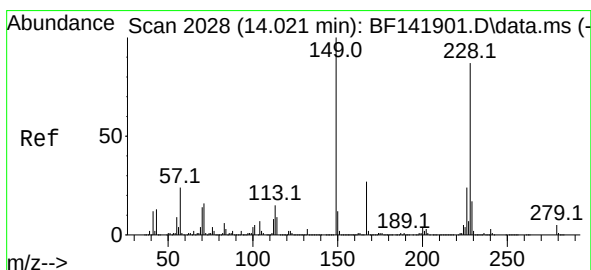
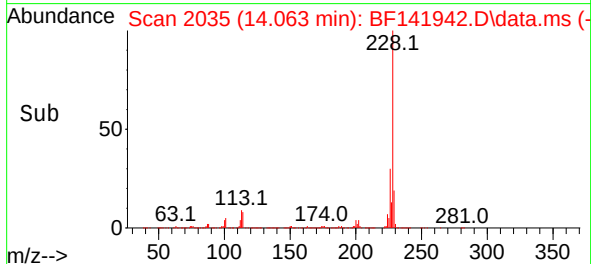
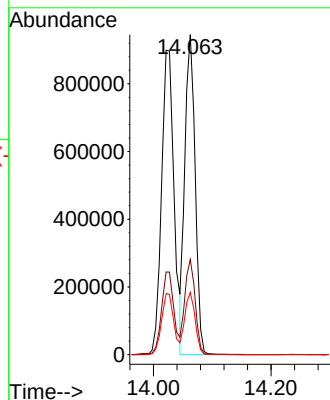
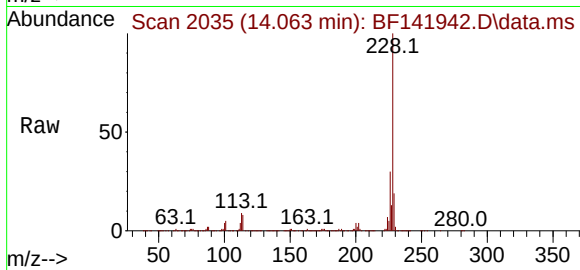
Tgt Ion:228 Resp: 1152190

Ion Ratio Lower Upper

228 100

226 29.7 24.1 36.1

229 19.4 15.7 23.5



#84

Bis(2-ethylhexyl)phthalate

Concen: 42.448 ng

RT: 14.016 min Scan# 2027

Delta R.T. -0.006 min

Lab File: BF141942.D

Acq: 13 Mar 2025 13:47

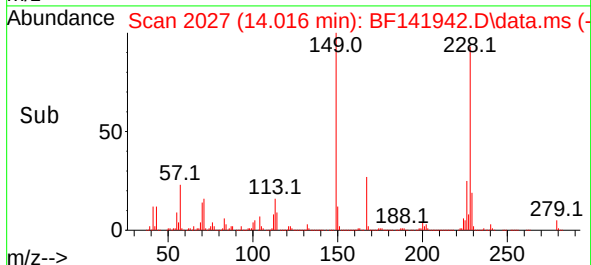
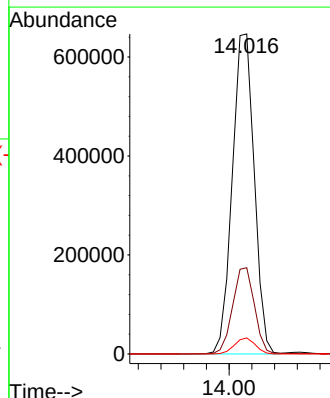
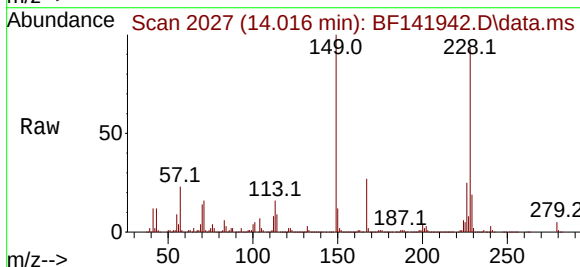
Tgt Ion:149 Resp: 866554

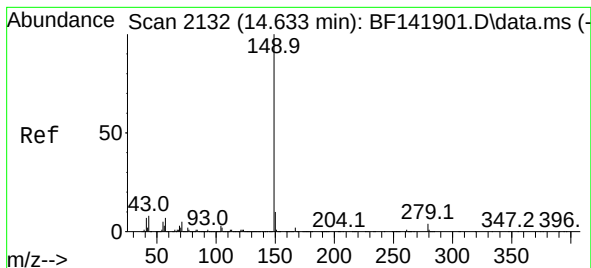
Ion Ratio Lower Upper

149 100

167 27.0 21.4 32.0

279 5.0 3.8 5.6





#85

Di-n-octyl phthalate

Concen: 43.491 ng

RT: 14.627 min Scan# 2132

Delta R.T. -0.006 min

Lab File: BF141942.D

Acq: 13 Mar 2025 13:47

Instrument :

BNA_F

ClientSampleId :

PB167097BSD

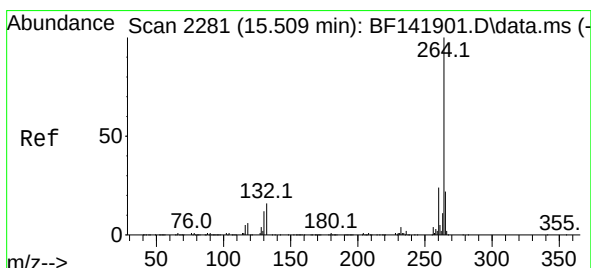
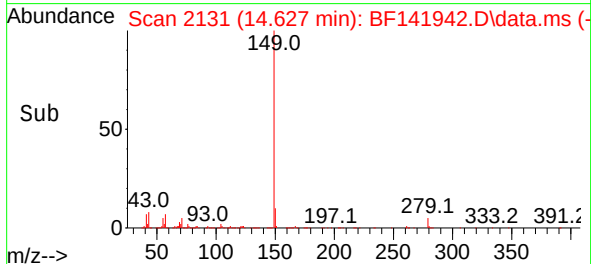
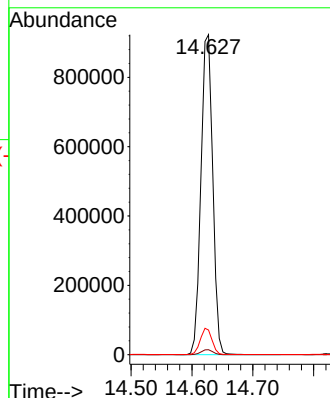
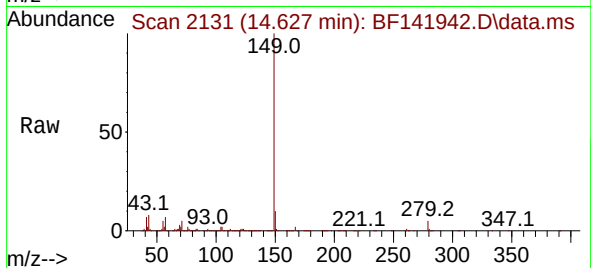
Tgt Ion:149 Resp: 1235348

Ion Ratio Lower Upper

149 100

167 1.6 1.3 1.9

43 8.2 6.9 10.3



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.504 min Scan# 2280

Delta R.T. -0.006 min

Lab File: BF141942.D

Acq: 13 Mar 2025 13:47

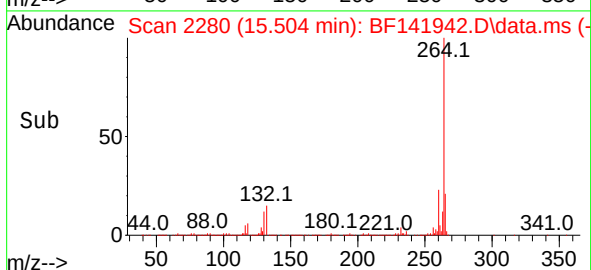
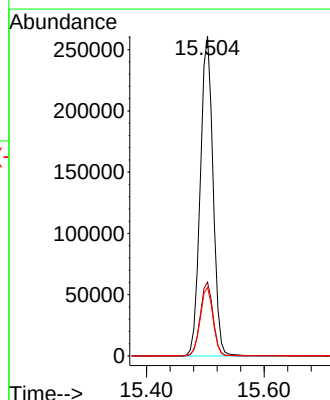
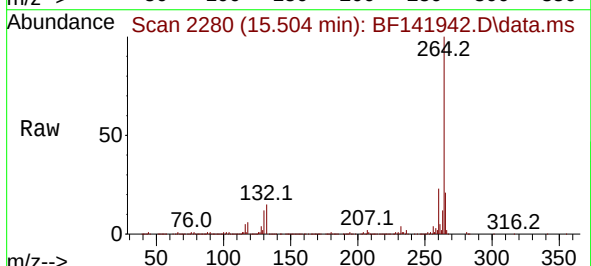
Tgt Ion:264 Resp: 392710

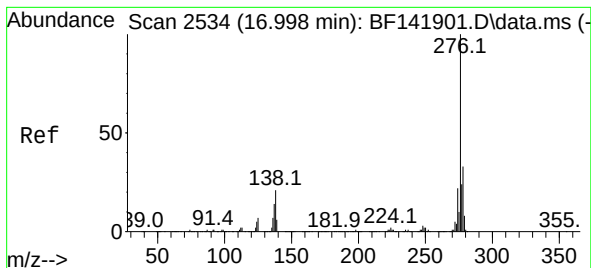
Ion Ratio Lower Upper

264 100

260 23.1 19.1 28.7

265 21.5 17.5 26.3





#87

Indeno(1,2,3-cd)pyrene

Concen: 48.584 ng

RT: 16.992 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF141942.D

Acq: 13 Mar 2025 13:47

Instrument :

BNA_F

ClientSampleId :

PB167097BSD

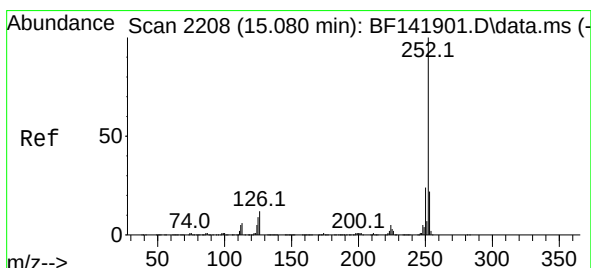
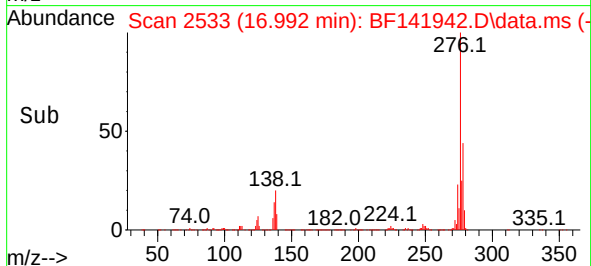
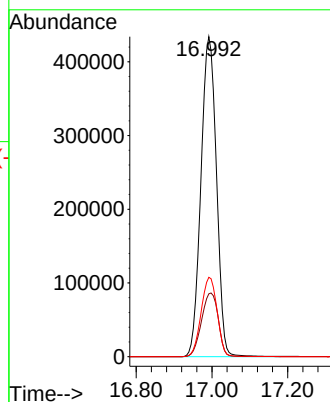
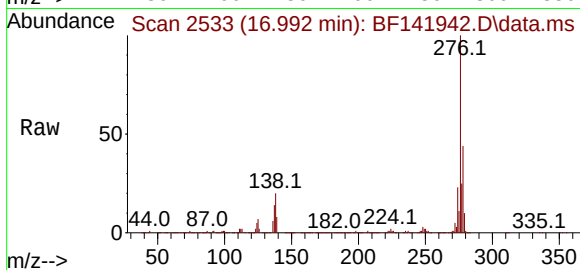
Tgt Ion:276 Resp: 1234216

Ion Ratio Lower Upper

276 100

138 21.5 18.4 27.6

277 25.5 20.3 30.5



#88

Benzo(b)fluoranthene

Concen: 39.392 ng

RT: 15.074 min Scan# 2207

Delta R.T. -0.006 min

Lab File: BF141942.D

Acq: 13 Mar 2025 13:47

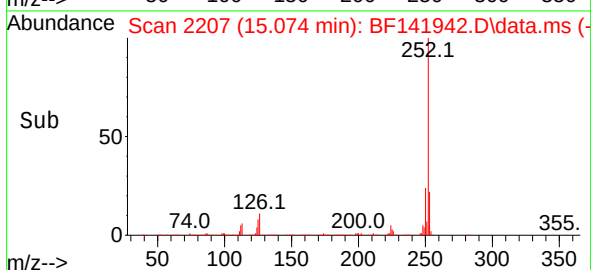
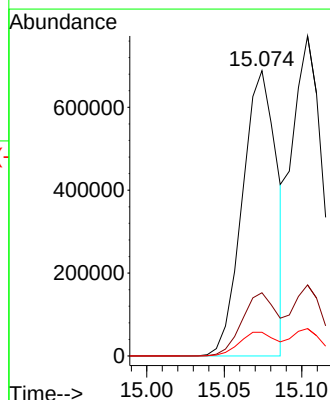
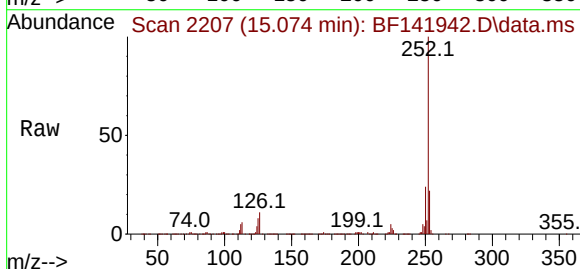
Tgt Ion:252 Resp: 1060224

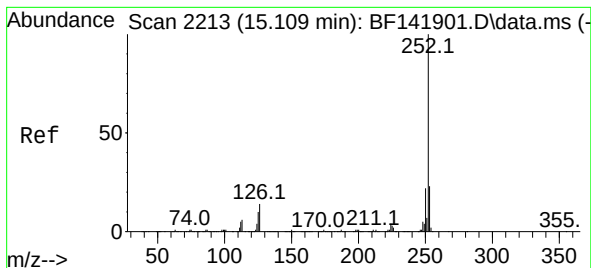
Ion Ratio Lower Upper

252 100

253 22.2 17.5 26.3

125 8.3 7.0 10.4





#89

Benzo(k)fluoranthene

Concen: 45.819 ng

RT: 15.104 min Scan# 2213

Delta R.T. -0.006 min

Lab File: BF141942.D

Acq: 13 Mar 2025 13:47

Instrument :

BNA_F

ClientSampleId :

PB167097BSD

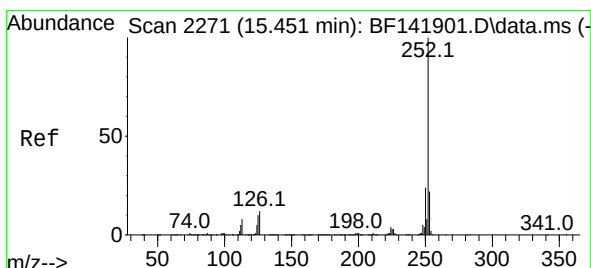
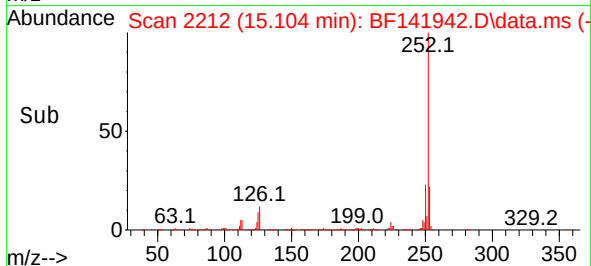
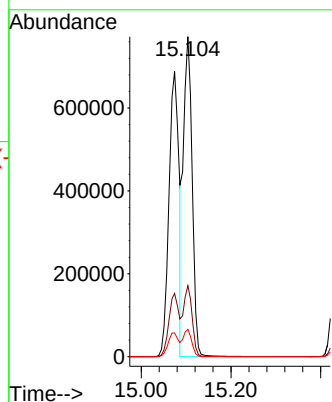
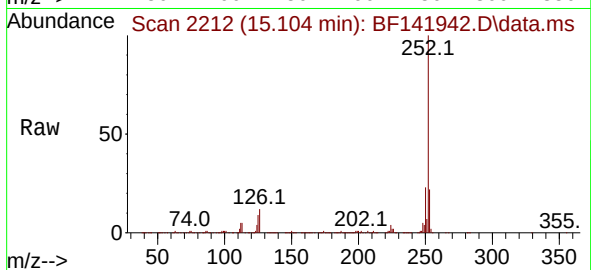
Tgt Ion:252 Resp: 1055343

Ion Ratio Lower Upper

252 100

253 22.2 17.7 26.5

125 8.5 7.2 10.8



#90

Benzo(a)pyrene

Concen: 47.252 ng

RT: 15.445 min Scan# 2270

Delta R.T. -0.006 min

Lab File: BF141942.D

Acq: 13 Mar 2025 13:47

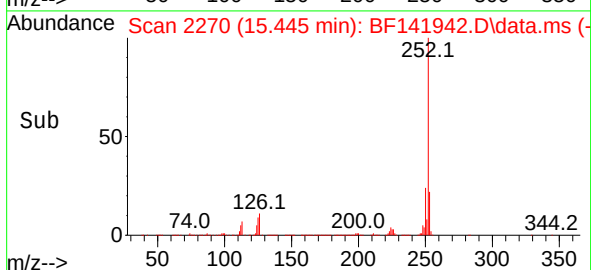
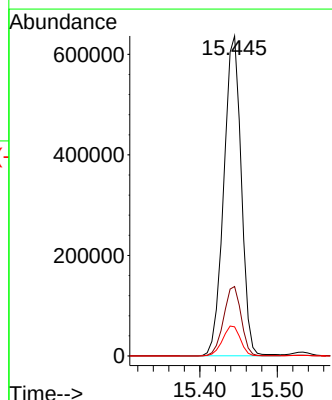
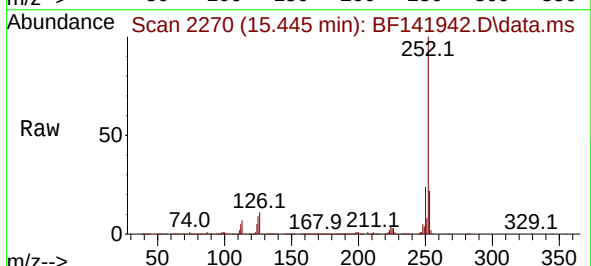
Tgt Ion:252 Resp: 995119

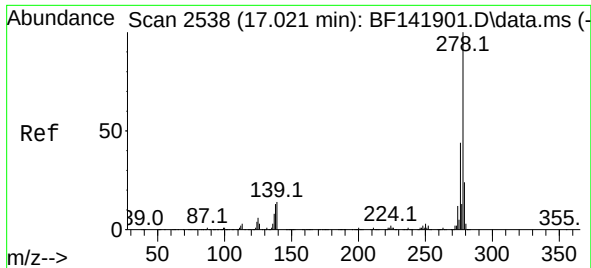
Ion Ratio Lower Upper

252 100

253 21.7 17.4 26.0

125 9.1 7.8 11.8

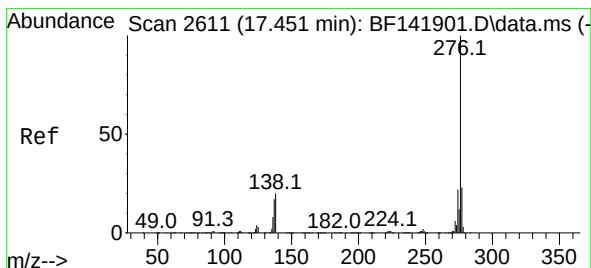
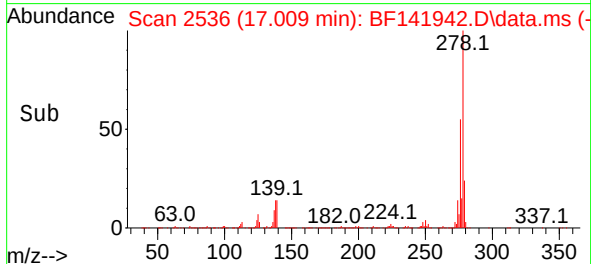
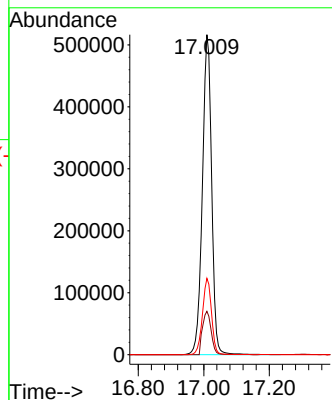
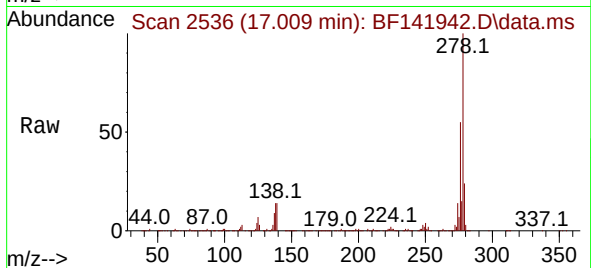




#91
 Dibenzo(a,h)anthracene
 Concen: 48.588 ng
 RT: 17.009 min Scan# 2536
 Delta R.T. -0.012 min
 Lab File: BF141942.D
 Acq: 13 Mar 2025 13:47

Instrument :
 BNA_F
 ClientSampleId :
 PB167097BSD

Tgt Ion:278 Resp: 1018402
 Ion Ratio Lower Upper
 278 100
 139 13.6 11.4 17.2
 279 23.8 18.8 28.2



#92
 Benzo(g,h,i)perylene
 Concen: 45.514 ng
 RT: 17.445 min Scan# 2610
 Delta R.T. -0.006 min
 Lab File: BF141942.D
 Acq: 13 Mar 2025 13:47

Tgt Ion:276 Resp: 942720
 Ion Ratio Lower Upper
 276 100
 277 23.5 18.7 28.1
 138 18.2 15.8 23.8

