

Cover Page

Order ID : Q1736

Project ID : Stockton

Client : G Environmental

Lab Sample Number

Q1736-01
Q1736-02

Client Sample Number

GST1
GST2

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: 4/14/2025

NYDOH CERTIFICATION NO - 11376

NJDEP CERTIFICATION NO - 20012



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

CASE NARRATIVE

G Environmental

Project Name: Stockton

Project # N/A

Chemtech Project # Q1736

Test Name: SVOC-SIMGroup1

A. Number of Samples and Date of Receipt:

2 Solid samples were received on 04/04/2025.

B. Parameters

According to the Chain of Custody document, the following analyses were requested: EPH_F2, Mercury, Metals ICP-TAL, METALS-TAL, PCB and SVOC-SIMGroup1. This data package contains results for SVOC-SIMGroup1.

C. Analytical Techniques:

The samples were analyzed on instrument BNA_N using GC Column ZB-SemiVolatiles Guardian which is 30 meters, 0.25 mm ID, 0.5 um df, Catalog # 7HG-G027-17-GG. The analysis of SVOC-SIMGroup1 was based on method 8270-Modified and extraction was done based on method 3541.

D. QA/ QC Samples:

The Holding Times were met for all analysis.

The Surrogate recoveries met the acceptable criteria.

The Internal Standards Areas met the acceptable requirements except for GST1, The failure Internal Standard not associated with the client parameters list, therefore no corrective action was taken.

The Retention Times were acceptable for all samples.

The MS recoveries met the requirements for all compounds .

The MSD recoveries met the acceptable requirements .

The RPD met criteria .

The Blank Spike met requirements for all samples .

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

The Initial Calibration met the requirements .

The Continuous Calibration met the requirements .

The Tuning criteria met requirements.

Samples GST1 analyzed with 10X dilution due to dirty and viscous matrix.



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E. Additional Comments:

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

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

F. Manual Integration Comments:

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

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

Signature_____

DATA REPORTING QUALIFIERS- ORGANIC

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

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

APPENDIX A

QA REVIEW GENERAL DOCUMENTATION

Project #: Q1736

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: MAYUR DESAI

Date: 04/14/2025

LAB CHRONICLE

OrderID:	Q1736	OrderDate:	4/4/2025 1:39:00 PM
Client:	G Environmental	Project:	Stockton
Contact:	Gary Landis	Location:	L21

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q1736-01	GST1	SOIL	SVOC-SIMGroup1	8270-Modified	04/04/25	04/07/25	04/07/25	04/04/25
Q1736-02	GST2	SOIL	SVOC-SIMGroup1	8270-Modified	04/04/25	04/07/25	04/07/25	04/04/25



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Hit Summary Sheet
SW-846

SDG No.: Q1736
Client: G Environmental

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



QC SUMMARY

Surrogate Summary

SW-846

SDG No.: Q1736

Client: G Environmental

Analytical Method: 8270-Modified

Lab Sample ID	Client ID	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%)	
							Low	High
PB167475BL	PB167475BL	2-Methylnaphthalene-d10	0.4	0.33	82		30 (17)	150 (161)
		Fluoranthene-d10	0.4	0.41	103		30 (23)	150 (138)
		Nitrobenzene-d5	0.4	0.31	76		30 (33)	130 (121)
		2-Fluorobiphenyl	0.4	0.26	65		30 (32)	130 (121)
		Terphenyl-d14	0.4	0.35	88		30 (21)	130 (130)
PB167475BS	PB167475BS	2-Methylnaphthalene-d10	0.4	0.37	93		30 (17)	150 (161)
		Fluoranthene-d10	0.4	0.36	89		30 (23)	150 (138)
		Nitrobenzene-d5	0.4	0.31	78		30 (33)	130 (121)
		2-Fluorobiphenyl	0.4	0.34	85		30 (32)	130 (121)
		Terphenyl-d14	0.4	0.33	83		30 (21)	130 (130)
Q1736-01	GST1	2-Methylnaphthalene-d10	0.4	0.24	60		30 (17)	150 (161)
		Fluoranthene-d10	0.4	0.31	77		30 (23)	150 (138)
		Nitrobenzene-d5	0.4	0.26	65		30 (33)	130 (121)
		2-Fluorobiphenyl	0.4	0.20	50		30 (32)	130 (121)
		Terphenyl-d14	0.4	0.25	63		30 (21)	130 (130)
Q1736-02	GST2	2-Methylnaphthalene-d10	0.4	0.30	75		30 (17)	150 (161)
		Fluoranthene-d10	0.4	0.38	94		30 (23)	150 (138)
		Nitrobenzene-d5	0.4	0.29	73		30 (33)	130 (121)
		2-Fluorobiphenyl	0.4	0.30	76		30 (32)	130 (121)
		Terphenyl-d14	0.4	0.29	72		30 (21)	130 (130)
Q1736-02MS	GST2MS	2-Methylnaphthalene-d10	0.4	0.27	67		30 (17)	150 (161)
		Fluoranthene-d10	0.4	0.31	78		30 (23)	150 (138)
		Nitrobenzene-d5	0.4	0.25	63		30 (33)	130 (121)
		2-Fluorobiphenyl	0.4	0.27	66		30 (32)	130 (121)
		Terphenyl-d14	0.4	0.26	64		30 (21)	130 (130)
Q1736-02MSD	GST2MSD	2-Methylnaphthalene-d10	0.4	0.30	75		30 (17)	150 (161)
		Fluoranthene-d10	0.4	0.34	84		30 (23)	150 (138)
		Nitrobenzene-d5	0.4	0.28	69		30 (33)	130 (121)
		2-Fluorobiphenyl	0.4	0.27	66		30 (32)	130 (121)
		Terphenyl-d14	0.4	0.28	70		30 (21)	130 (130)

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q1736

Client: G Environmental

Analytical Method: SW8270-Modified

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Low	Limits High	RPD
Lab Sample ID:	Q1736-02MS	Client Sample ID:	GST2MS					DataFile:	BN036851.D		
1,4-Dioxane	16.5	0	12.7	ug/Kg	77				20 (70)	160 (130)	

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q1736

Client: G Environmental

Analytical Method: SW8270-Modified

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Low	Limits High	RPD
Lab Sample ID:	Q1736-02MSD	Client Sample ID:	GST2MSD					DataFile:	BN036852.D		
1,4-Dioxane	16.5	0	14.3	ug/Kg	87		12		20 (70)	160 (130)	30 (20)

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q1736

Client: G Environmental

Analytical Method: 8270-Modified **DataFile:** BN036853.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD	Limits		RPD
								Qual	Low	High	
PB167475BS	1,4-Dioxane	13.3	10.4	ug/Kg	78				20 (70)	160 (130)	

4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB167475BL

Lab Name: CHEMTECH

Contract: GENV01

Lab Code: CHEM Case No.: Q1736

SAS No.: Q1736 SDG NO.: Q1736

Lab File ID: BN036854.D

Lab Sample ID: PB167475BL

Instrument ID: BNA_N

Date Extracted: 04/07/2025

Matrix: (soil/water) SOIL

Date Analyzed: 04/07/2025

Level: (low/med) LOW

Time Analyzed: 15:30

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
PB167475BS	PB167475BS	BN036853.D	04/07/2025
GST2	Q1736-02	BN036850.D	04/07/2025
GST2MS	Q1736-02MS	BN036851.D	04/07/2025
GST2MSD	Q1736-02MSD	BN036852.D	04/07/2025
GST1	Q1736-01	BN036855.D	04/07/2025

COMMENTS: _____



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5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECHContract: GENV01Lab Code: CHEMSAS No.: Q1736 SDG NO.: Q1736Lab File ID: BN036556.DDFTPP Injection Date: 03/10/2025Instrument ID: BNA_NDFTPP Injection Time: 11:03

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	58.6
68	Less than 2.0% of mass 69	0.0 (0.0) 1
69	Mass 69 relative abundance	52.3
70	Less than 2.0% of mass 69	0.3 (0.7) 1
127	10.0 - 80.0% of mass 198	50.7
197	Less than 2.0% of mass 198	0.0
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	6.9
275	10.0 - 60.0% of mass 198	24.8
365	Greater than 1% of mass 198	3.8
441	Present, but less than mass 443	9.3
442	Greater than 50% of mass 198	55.6
443	15.0 - 24.0% of mass 442	10.9 (19.6) 2

1-Value is % mass 69

2-Value is % mass 442

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
SSTDICC0.1	SSTDICC0.1	BN036557.D	03/10/2025	11:42
SSTDICC0.2	SSTDICC0.2	BN036558.D	03/10/2025	12:18
SSTDICCC0.4	SSTDICCC0.4	BN036559.D	03/10/2025	12:54
SSTDICC0.8	SSTDICC0.8	BN036560.D	03/10/2025	13:31
SSTDICC1.6	SSTDICC1.6	BN036561.D	03/10/2025	14:07
SSTDICC3.2	SSTDICC3.2	BN036562.D	03/10/2025	14:43
SSTDICC5.0	SSTDICC5.0	BN036563.D	03/10/2025	15:19



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5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECHContract: GENV01Lab Code: CHEMSAS No.: Q1736 SDG NO.: Q1736Lab File ID: BN036846.DDFTPP Injection Date: 04/07/2025Instrument ID: BNA_NDFTPP Injection Time: 08:31

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	64.1
68	Less than 2.0% of mass 69	0.9 (1.6) 1
69	Mass 69 relative abundance	54
70	Less than 2.0% of mass 69	0.3 (0.5) 1
127	10.0 - 80.0% of mass 198	51.4
197	Less than 2.0% of mass 198	0.0
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	6.7
275	10.0 - 60.0% of mass 198	23.9
365	Greater than 1% of mass 198	3.9
441	Present, but less than mass 443	8.8
442	Greater than 50% of mass 198	55.6
443	15.0 - 24.0% of mass 442	10.4 (18.7) 2

1-Value is % mass 69

2-Value is % mass 442

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
SSTDCCC0.4	SSTDCCC0.4	BN036847.D	04/07/2025	09:10
GST2	Q1736-02	BN036850.D	04/07/2025	13:06
GST2MS	Q1736-02MS	BN036851.D	04/07/2025	13:41
GST2MSD	Q1736-02MSD	BN036852.D	04/07/2025	14:18
PB167475BS	PB167475BS	BN036853.D	04/07/2025	14:54
PB167475BL	PB167475BL	BN036854.D	04/07/2025	15:30
GST1	Q1736-01	BN036855.D	04/07/2025	16:06

8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: Q1736 SAS No.: Q1736 SDG NO.: Q1736

EPA Sample No.: SSTDCCC0.4 Date Analyzed: 04/07/2025

Lab File ID: BN036847.D Time Analyzed: 09:10

Instrument ID: BNA_N GC Column: ZB-GR ID: 0.25 (mm)

	IS1 (DCB) AREA #	RT #	IS2 (NPT) AREA #	RT #	IS3 (ANT) AREA #	RT #
12 HOUR STD	1549	7.688	3923	10.48	2335	14.33
UPPER LIMIT	3098	8.188	7846	10.977	4670	14.834
LOWER LIMIT	774.5	7.188	1961.5	9.977	1167.5	13.834
EPA SAMPLE NO.						
01 PB167475BL	1861	7.70	4270	10.49	2449	14.35
02 GST2	1541	7.69	3985	10.48	2296	14.33
03 PB167475BS	2470	7.69	6168	10.48	3444	14.33
04 GST1	1939	7.69	5044	10.48	2978	14.33
05 GST2MS	2354	7.69	6078	10.47	3507	14.33
06 GST2MSD	2270	7.69	5950	10.48	3412	14.33

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.: Q1736 SAS No.: Q1736 SDG NO.: Q1736

EPA Sample No.: SSTDCCC0.4 Date Analyzed: 04/07/2025

Lab File ID: BN036847.D Time Analyzed: 09:10

Instrument ID: BNA_N GC Column: ZB-GR ID: 0.25 (mm)

	IS4 (PHN) AREA #	RT #	IS5 (CRY) AREA #	RT #	IS6 (PRY) AREA #	RT #
12 HOUR STD	5079	17.074	4233	21.277	3968	23.516
UPPER LIMIT	10158	17.574	8466	21.777	7936	24.016
LOWER LIMIT	2539.5	16.574	2116.5	20.777	1984	23.016
EPA SAMPLE NO.						
01 PB167475BL	4708	17.10	4003	21.29	3652	23.52
02 GST2	4940	17.07	4936	21.28	4825	23.52
03 PB167475BS	7012	17.07	5617	21.27	4951	23.52
04 GST1	6224	17.07	7413	21.27	8861 *	23.52
05 GST2MS	7277	17.07	6717	21.27	6473	23.51
06 GST2MSD	6916	17.07	6228	21.27	5983	23.51

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:	G Environmental	Date Collected:	04/04/25
Project:	Stockton	Date Received:	04/04/25
Client Sample ID:	GST1	SDG No.:	Q1736
Lab Sample ID:	Q1736-01	Matrix:	SOIL
Analytical Method:	SW8270ESIM	% Solid:	78.6
Sample Wt/Vol:	30.05 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-SIMGroup1
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	sw3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BN036855.D	10	04/07/25 08:55	04/07/25 16:06	PB167475

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
123-91-1	1,4-Dioxane	29.8	U	29.8	83.8	ug/Kg
SURROGATES						
7297-45-2	2-Methylnaphthalene-d10	0.24		30 (17) - 150 (161)	60%	SPK: 0.4
93951-69-0	Fluoranthene-d10	0.31		30 (23) - 150 (138)	77%	SPK: 0.4
4165-60-0	Nitrobenzene-d5	0.26		30 (33) - 130 (121)	65%	SPK: 0.4
321-60-8	2-Fluorobiphenyl	0.20		30 (32) - 130 (121)	50%	SPK: 0.4
1718-51-0	Terphenyl-d14	0.25		30 (21) - 130 (130)	63%	SPK: 0.4
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	1940	7.688			
1146-65-2	Naphthalene-d8	5040	10.477			
15067-26-2	Acenaphthene-d10	2980	14.334			
1517-22-2	Phenanthrene-d10	6220	17.074			
1719-03-5	Chrysene-d12	7410	21.268			
1520-96-3	Perylene-d12	8860	23.516			

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_N\Data\BN040725\
 Data File : BN036855.D
 Acq On : 07 Apr 2025 16:06
 Operator : RC/JU
 Sample : Q1736-01 10X
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 GST1

Quant Time: Apr 07 16:29:28 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN031025.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Apr 04 17:30:43 2025
 Response via : Initial Calibration

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

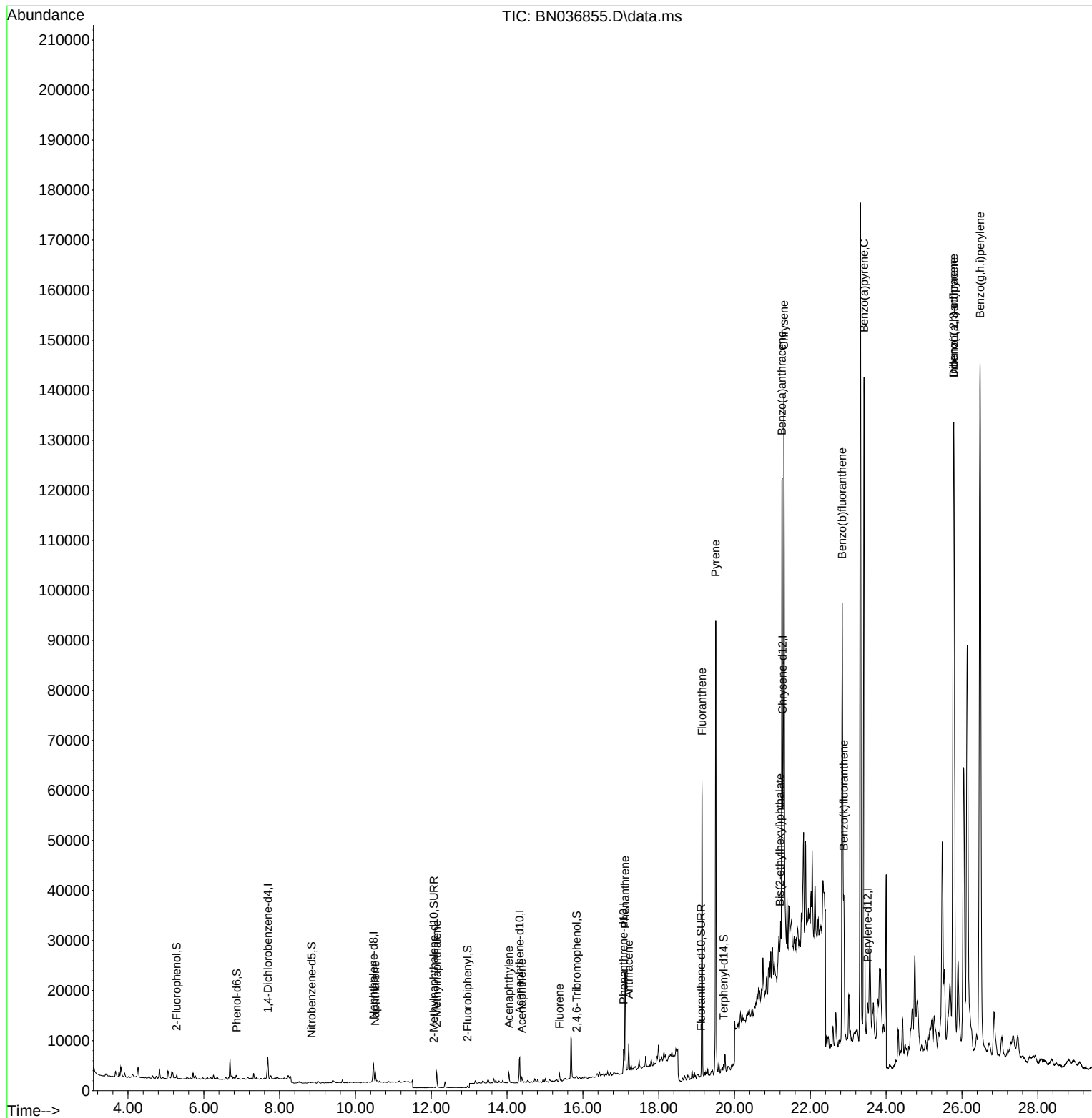
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.688	152	1939	0.400	ng	0.00
7) Naphthalene-d8	10.477	136	5044	0.400	ng	0.00
13) Acenaphthene-d10	14.334	164	2978	0.400	ng	0.00
19) Phenanthrene-d10	17.074	188	6224	0.400	ng	# 0.00
29) Chrysene-d12	21.268	240	7413	0.400	ng	# 0.00
35) Perylene-d12	23.516	264	8861	0.400	ng	# 0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.283	112	120	0.027	ng	0.00
5) Phenol-d6	6.865	99	152	0.027	ng	0.00
8) Nitrobenzene-d5	8.843	82	142	0.026	ng	0.00
11) 2-Methylnaphthalene-d10	12.065	152	180	0.024	ng	0.00
14) 2,4,6-Tribromophenol	15.833	330	39	0.029	ng	0.00
15) 2-Fluorobiphenyl	12.953	172	355	0.020	ng	0.00
27) Fluoranthene-d10	19.113	212	502	0.031	ng	0.00
31) Terphenyl-d14	19.713	244	452	0.025	ng	0.00
Target Compounds						Qvalue
9) Naphthalene	10.520	128	3104	0.209	ng	95
12) 2-Methylnaphthalene	12.141	142	2323	0.246	ng	98
16) Acenaphthylene	14.046	152	2115	0.150	ng	96
17) Acenaphthene	14.388	154	411	0.045	ng	93
18) Fluorene	15.382	166	918	0.074	ng	# 85
25) Phenanthrene	17.111	178	22624	1.212	ng	99
26) Anthracene	17.211	178	5756	0.342	ng	98
28) Fluoranthene	19.141	202	51418	2.452	ng	99
30) Pyrene	19.504	202	78266	2.159	ng	# 96
32) Benzo(a)anthracene	21.250	228	90150	3.497	ng	95
33) Chrysene	21.304	228	100010	3.551	ng	97
34) Bis(2-ethylhexyl)phtha...	21.196	149	2141	0.117	ng	# 97
36) Indeno(1,2,3-cd)pyrene	25.782	276	128371	4.014	ng	# 92
37) Benzo(b)fluoranthene	22.841	252	132699	4.115	ng	# 89
38) Benzo(k)fluoranthene	22.879	252	32592m	0.963	ng	
39) Benzo(a)pyrene	23.417	252	177833m	6.549	ng	
40) Dibenzo(a,h)anthracene	25.782	278	124897	5.016	ng	95
41) Benzo(g,h,i)perylene	26.478	276	270825	9.508	ng	96

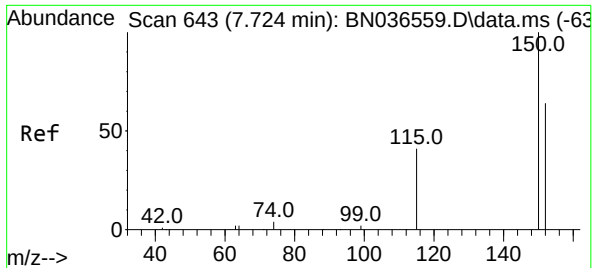
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN040725\
Data File : BN036855.D
Acq On : 07 Apr 2025 16:06
Operator : RC/JU
Sample : Q1736-01 10X
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
GST1

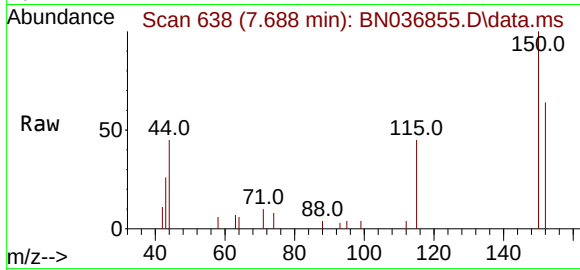
Quant Time: Apr 07 16:29:28 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN031025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Apr 04 17:30:43 2025
Response via : Initial Calibration



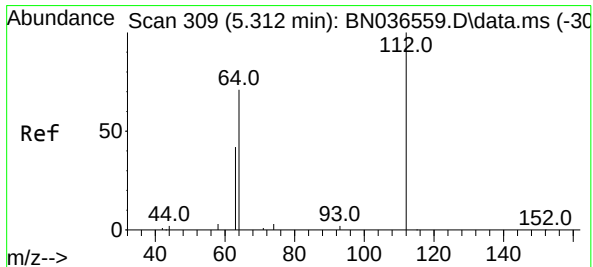
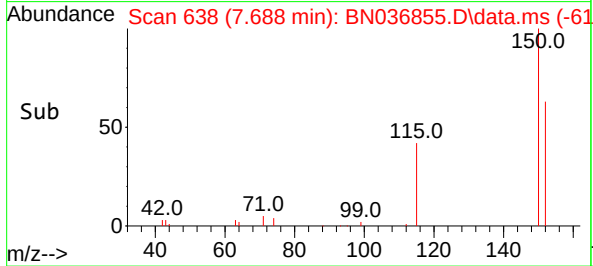
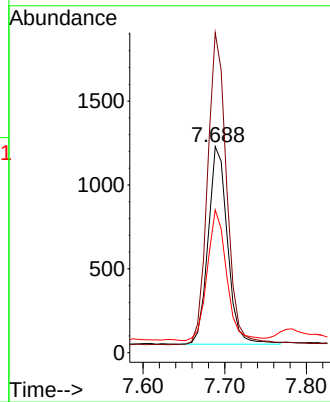


#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.688 min Scan# 61
Delta R.T. 0.000 min
Lab File: BN036855.D
Acq: 07 Apr 2025 16:06

Instrument :
BNA_N
ClientSampleId :
GST1

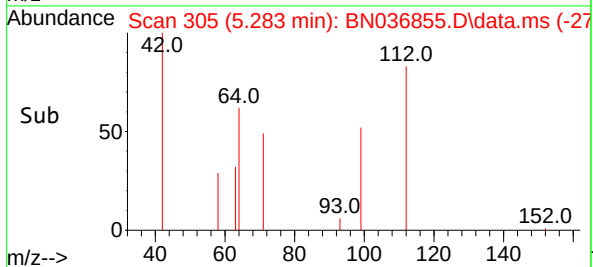
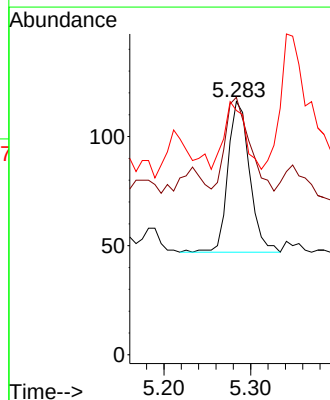
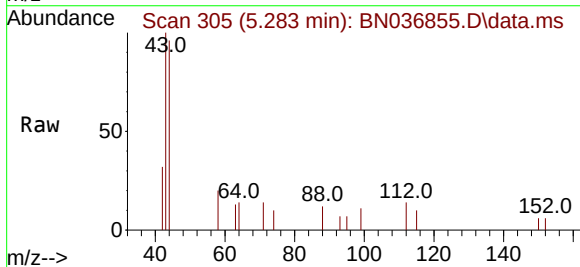


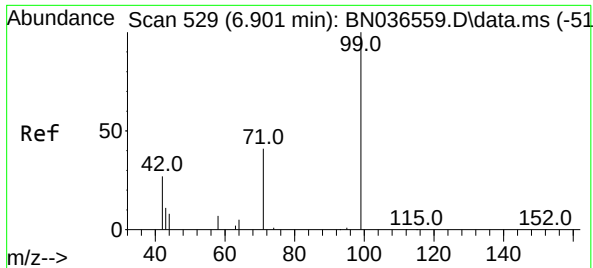
Tgt Ion:152 Resp: 1939
Ion Ratio Lower Upper
152 100
150 155.2 123.7 185.5
115 69.2 54.3 81.5



#4
2-Fluorophenol
Concen: 0.027 ng
RT: 5.283 min Scan# 305
Delta R.T. 0.000 min
Lab File: BN036855.D
Acq: 07 Apr 2025 16:06

Tgt Ion:112 Resp: 120
Ion Ratio Lower Upper
112 100
64 91.7 53.1 79.7#
63 41.7 31.8 47.8

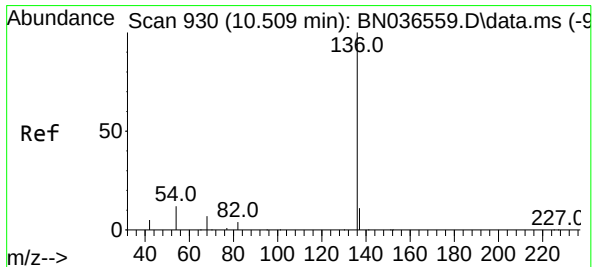
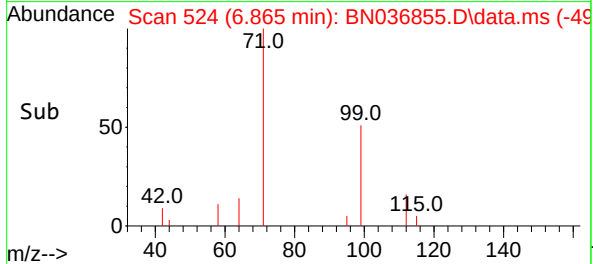
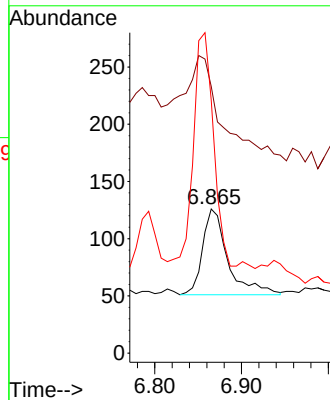
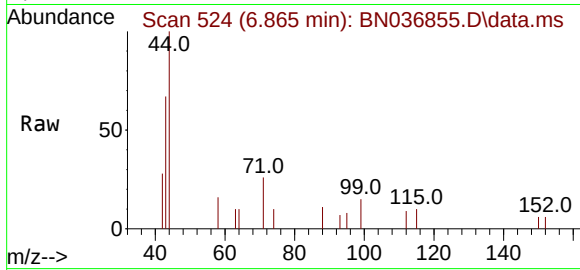




#5
Phenol-d6
Concen: 0.027 ng
RT: 6.865 min Scan# 51
Delta R.T. 0.000 min
Lab File: BN036855.D
Acq: 07 Apr 2025 16:06

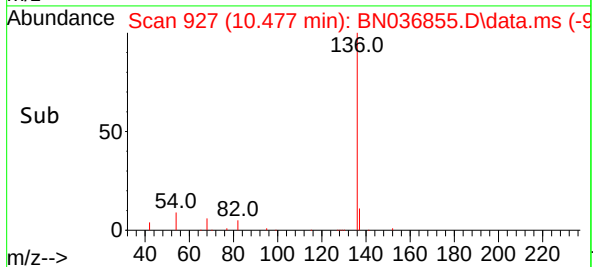
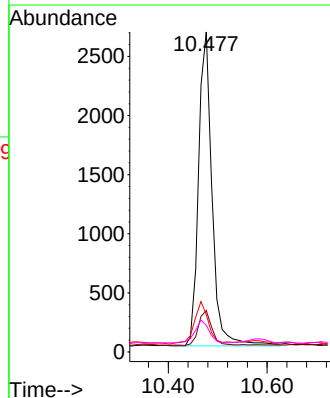
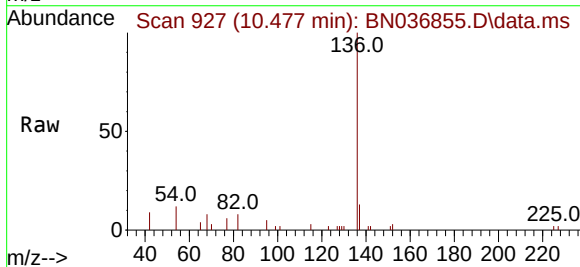
Instrument :
BNA_N
ClientSampleId :
GST1

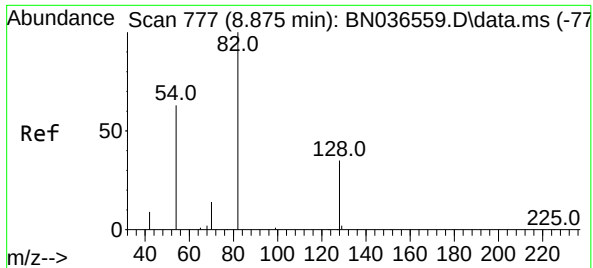
Tgt Ion: 99 Resp: 152
Ion Ratio Lower Upper
99 100
42 162.5 26.5 39.7#
71 217.1 34.1 51.1#



#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.477 min Scan# 927
Delta R.T. 0.000 min
Lab File: BN036855.D
Acq: 07 Apr 2025 16:06

Tgt Ion: 136 Resp: 5044
Ion Ratio Lower Upper
136 100
137 13.0 10.3 15.5
54 11.7 11.5 17.3
68 8.3 7.0 10.4

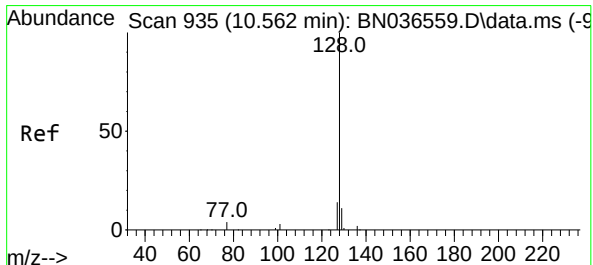
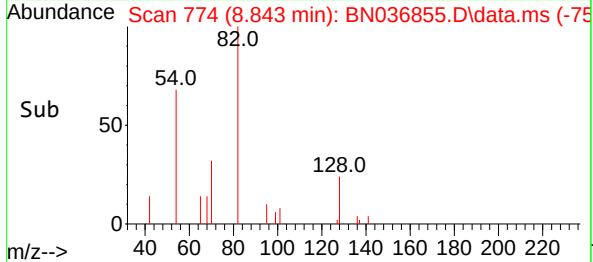
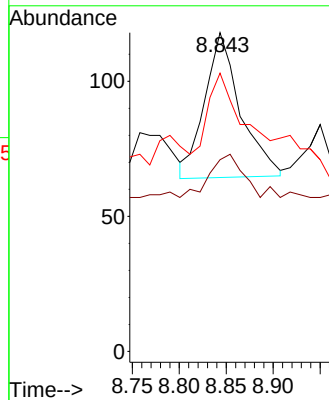
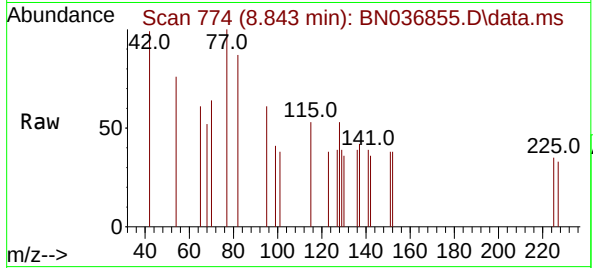




#8
Nitrobenzene-d5
Concen: 0.026 ng
RT: 8.843 min Scan# 71
Delta R.T. 0.000 min
Lab File: BN036855.D
Acq: 07 Apr 2025 16:06

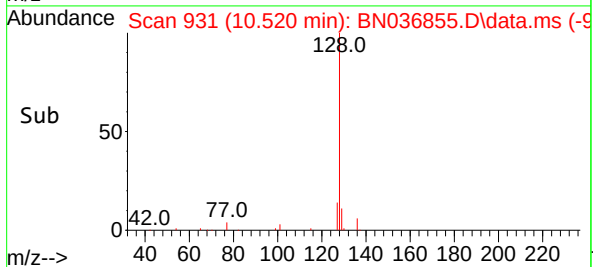
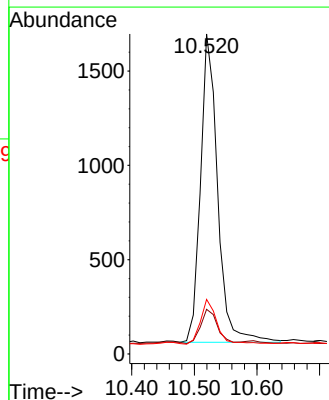
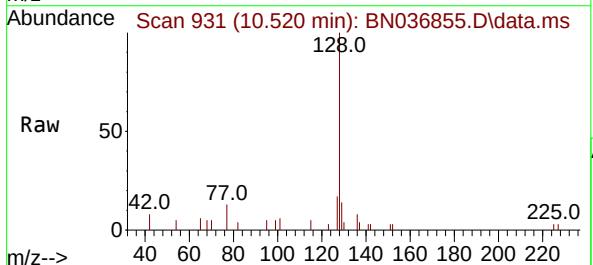
Instrument :
BNA_N
ClientSampleId :
GST1

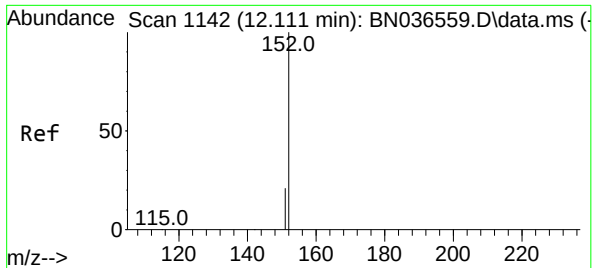
Tgt Ion: 82 Resp: 142
Ion Ratio Lower Upper
82 100
128 60.2 30.6 45.8#
54 87.3 52.2 78.4#



#9
Naphthalene
Concen: 0.209 ng
RT: 10.520 min Scan# 931
Delta R.T. 0.000 min
Lab File: BN036855.D
Acq: 07 Apr 2025 16:06

Tgt Ion: 128 Resp: 3104
Ion Ratio Lower Upper
128 100
129 14.0 9.8 14.6
127 17.0 11.8 17.8

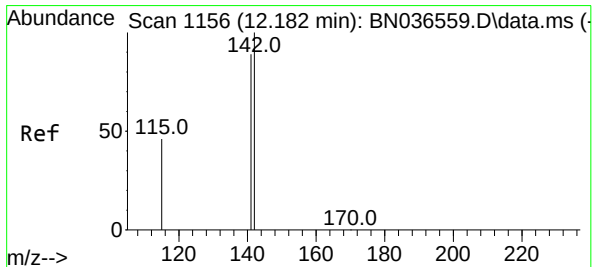
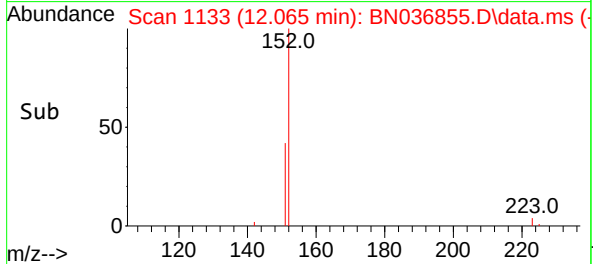
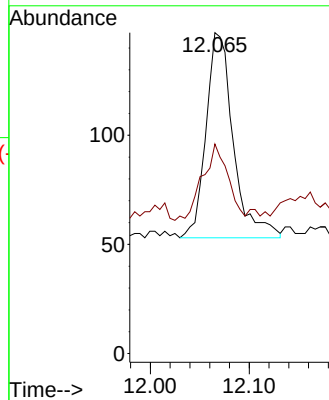
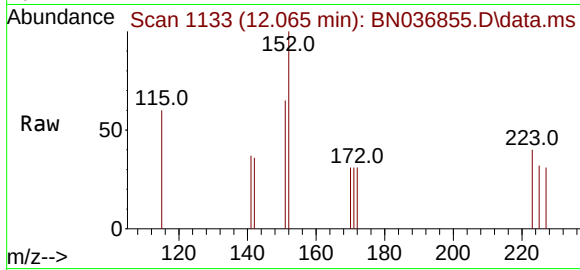




#11
2-Methylnaphthalene-d10
Concen: 0.024 ng
RT: 12.065 min Scan# 1142
Delta R.T. -0.005 min
Lab File: BN036855.D
Acq: 07 Apr 2025 16:06

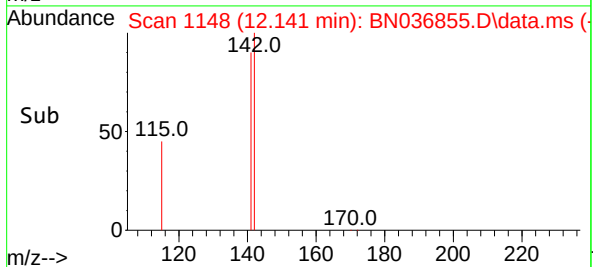
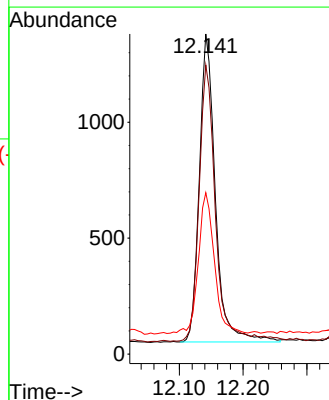
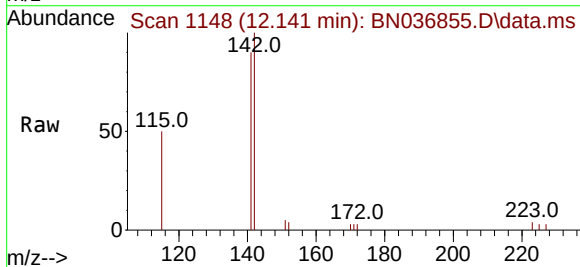
Instrument :
BNA_N
ClientSampleId :
GST1

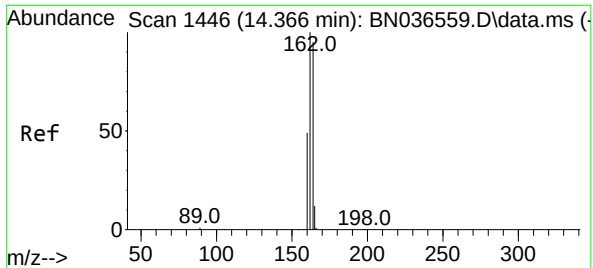
Tgt Ion:152 Resp: 180
Ion Ratio Lower Upper
152 100
151 35.0 17.0 25.6#



#12
2-Methylnaphthalene
Concen: 0.246 ng
RT: 12.141 min Scan# 1148
Delta R.T. -0.005 min
Lab File: BN036855.D
Acq: 07 Apr 2025 16:06

Tgt Ion:142 Resp: 2323
Ion Ratio Lower Upper
142 100
141 90.3 71.7 107.5
115 50.4 38.3 57.5

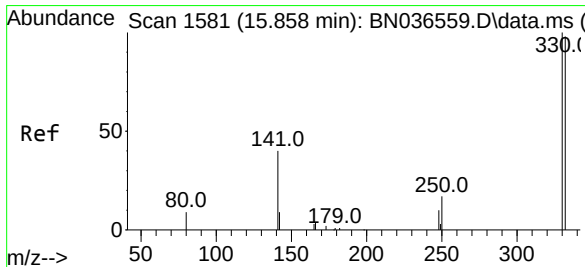
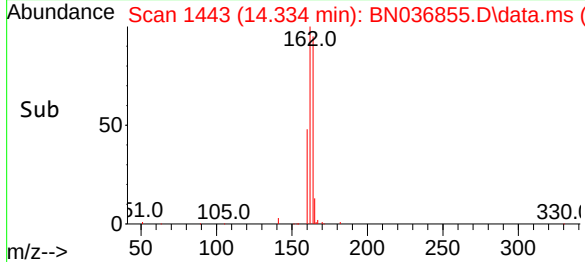
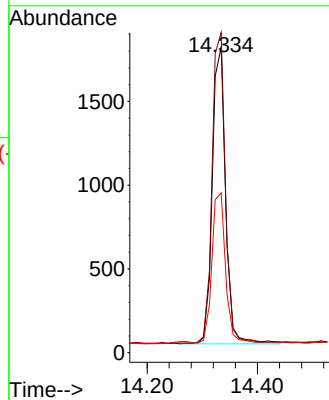
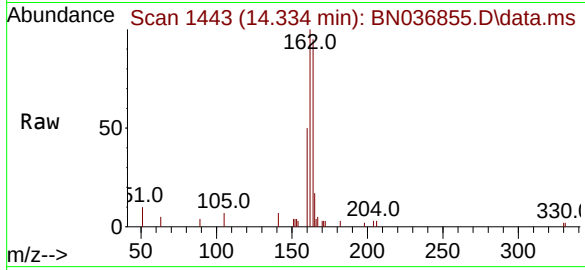




#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.334 min Scan# 1443
Delta R.T. 0.000 min
Lab File: BN036855.D
Acq: 07 Apr 2025 16:06

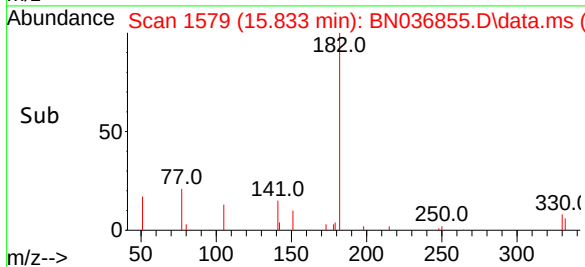
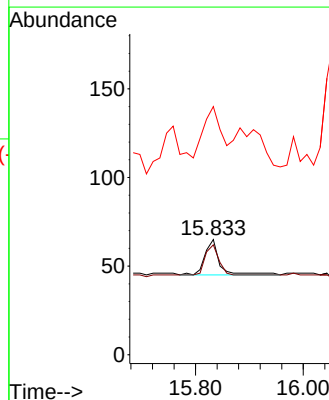
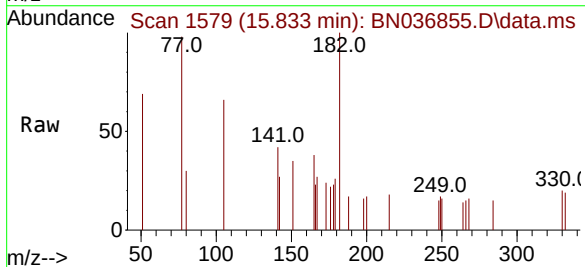
Instrument :
BNA_N
ClientSampleId :
GST1

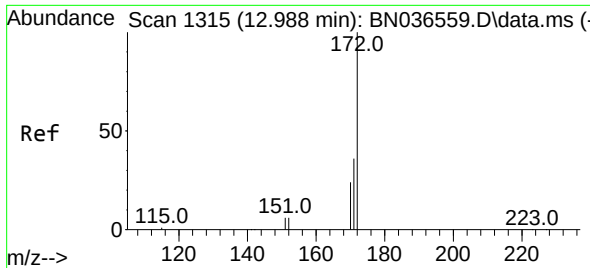
Tgt Ion	Ratio	Lower	Upper
164	100		
162	104.8	84.2	126.2
160	52.3	42.2	63.2



#14
2,4,6-Tribromophenol
Concen: 0.029 ng
RT: 15.833 min Scan# 1579
Delta R.T. 0.000 min
Lab File: BN036855.D
Acq: 07 Apr 2025 16:06

Tgt Ion	Ratio	Lower	Upper
330	100		
332	82.1	75.2	112.8
141	223.1	43.4	65.2#

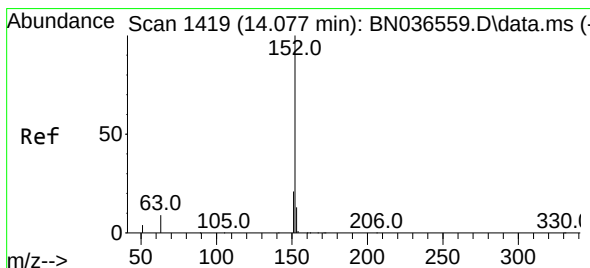
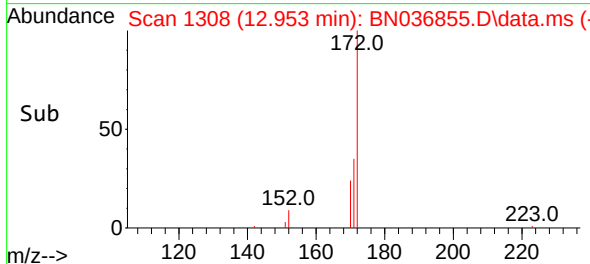
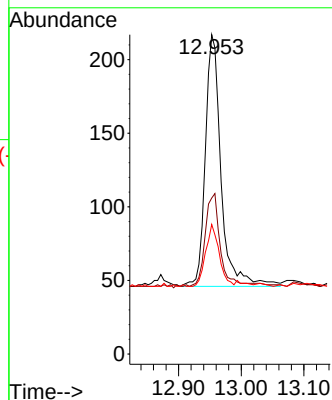
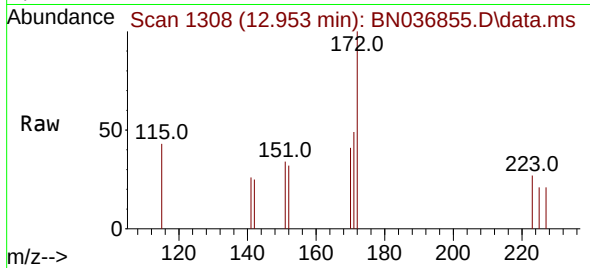




#15
2-Fluorobiphenyl
Concen: 0.020 ng
RT: 12.953 min Scan# 11
Delta R.T. -0.005 min
Lab File: BN036855.D
Acq: 07 Apr 2025 16:06

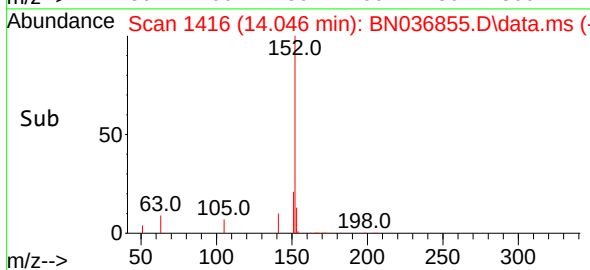
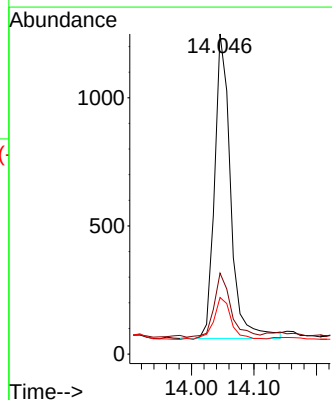
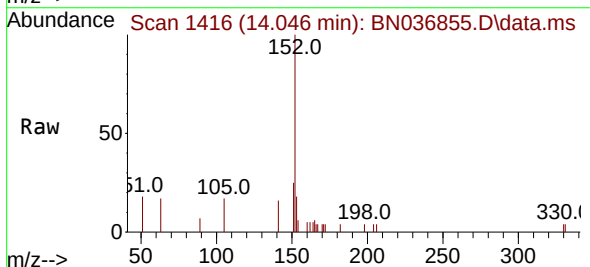
Instrument :
BNA_N
ClientSampleId :
GST1

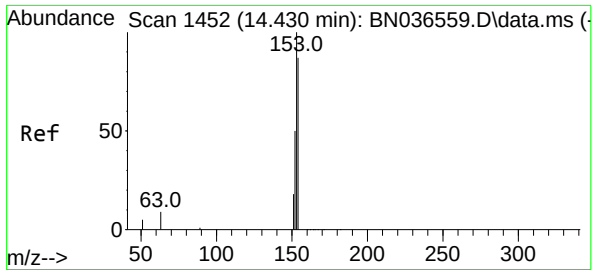
Tgt Ion:172 Resp: 355
Ion Ratio Lower Upper
172 100
171 48.8 29.5 44.3#
170 40.6 20.2 30.4#



#16
Acenaphthylene
Concen: 0.150 ng
RT: 14.046 min Scan# 1416
Delta R.T. 0.000 min
Lab File: BN036855.D
Acq: 07 Apr 2025 16:06

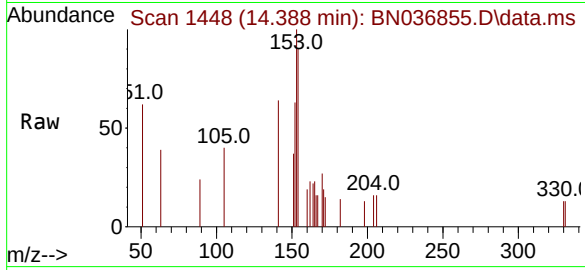
Tgt Ion:152 Resp: 2115
Ion Ratio Lower Upper
152 100
151 21.8 16.2 24.4
153 15.1 10.6 15.8



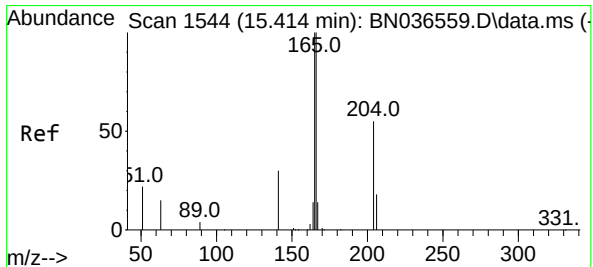
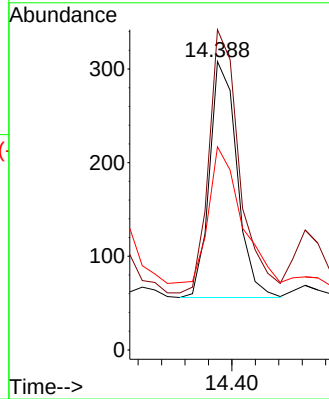
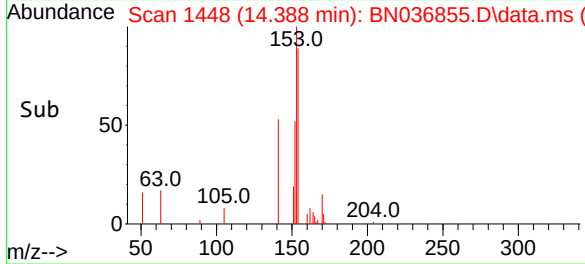


#17
Acenaphthene
Concen: 0.045 ng
RT: 14.388 min Scan# 1448
Delta R.T. -0.011 min
Lab File: BN036855.D
Acq: 07 Apr 2025 16:06

Instrument :
BNA_N
ClientSampleId :
GST1

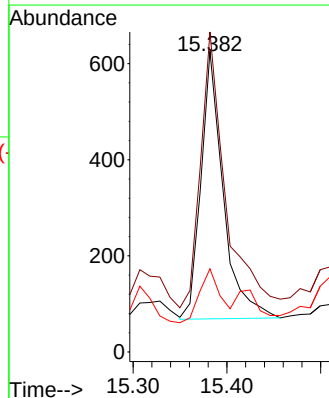
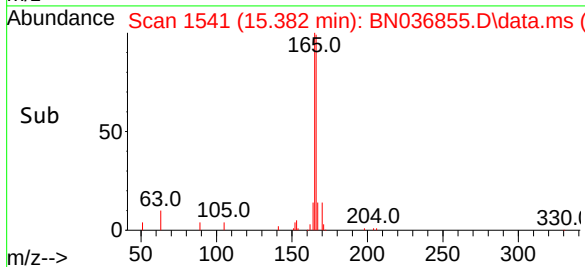
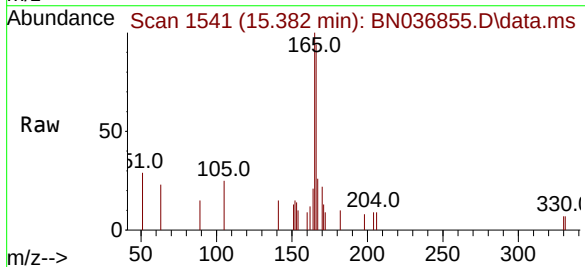


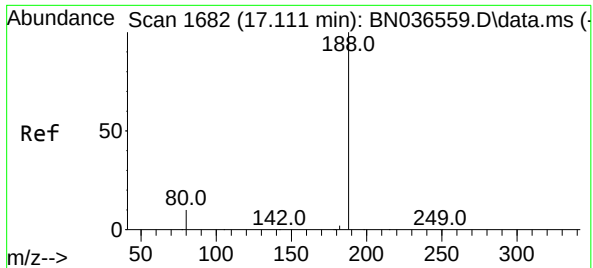
Tgt Ion:154 Resp: 411
Ion Ratio Lower Upper
154 100
153 123.4 94.1 141.1
152 69.3 49.8 74.6



#18
Fluorene
Concen: 0.074 ng
RT: 15.382 min Scan# 1541
Delta R.T. 0.000 min
Lab File: BN036855.D
Acq: 07 Apr 2025 16:06

Tgt Ion:166 Resp: 918
Ion Ratio Lower Upper
166 100
165 114.5 79.8 119.8
167 19.1 10.6 15.8#





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 17.074 min Scan# 1

Delta R.T. 0.000 min

Lab File: BN036855.D

Acq: 07 Apr 2025 16:06

Instrument :

BNA_N

ClientSampleId :

GST1

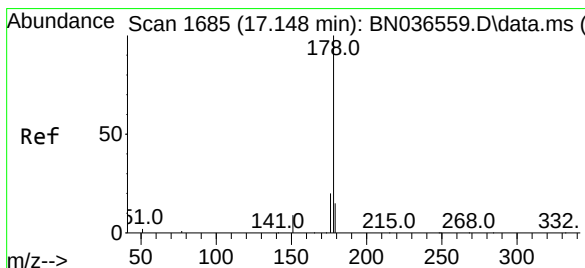
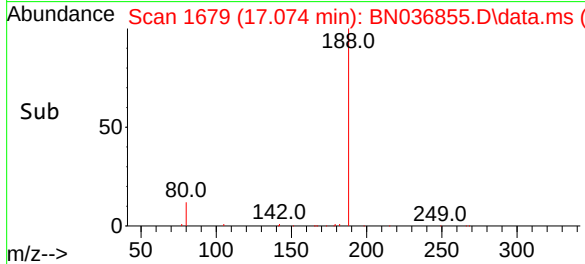
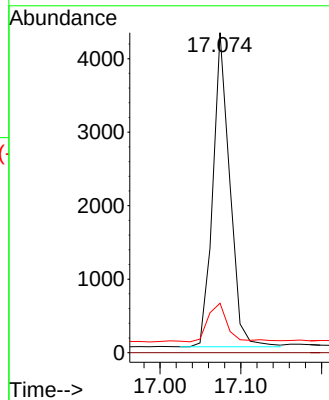
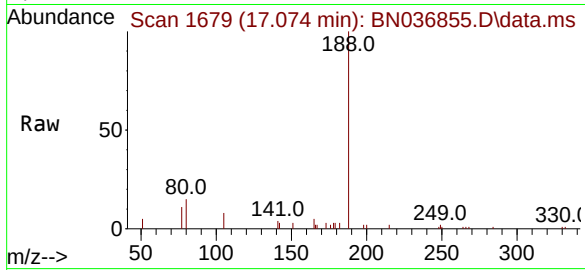
Tgt Ion:188 Resp: 6224

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

80 15.5 8.8 13.2#



#25

Phenanthrene

Concen: 1.212 ng

RT: 17.111 min Scan# 1682

Delta R.T. -0.012 min

Lab File: BN036855.D

Acq: 07 Apr 2025 16:06

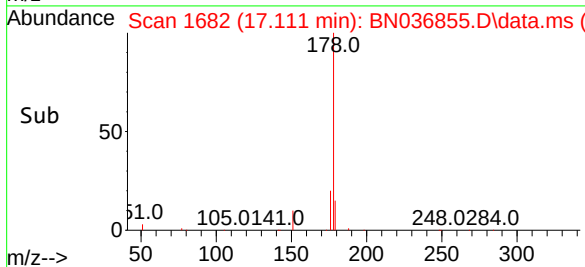
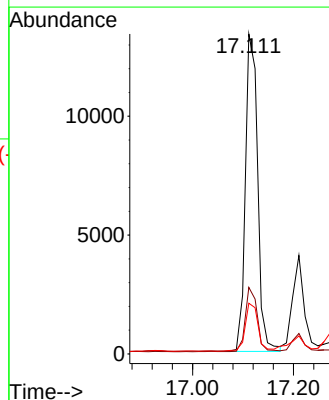
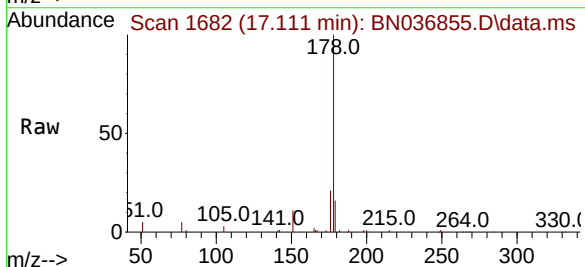
Tgt Ion:178 Resp: 22624

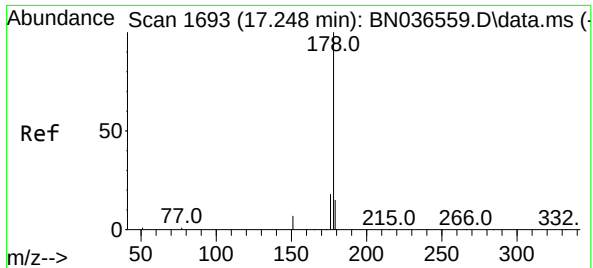
Ion Ratio Lower Upper

178 100

176 19.5 15.9 23.9

179 15.6 12.2 18.4

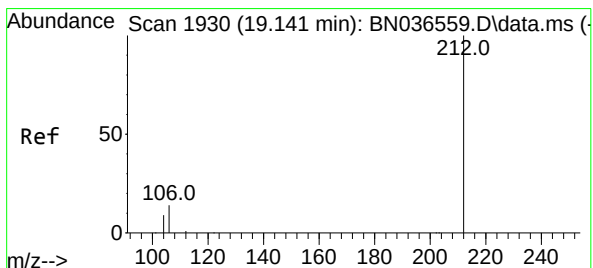
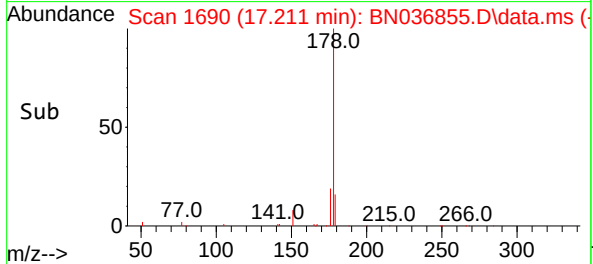
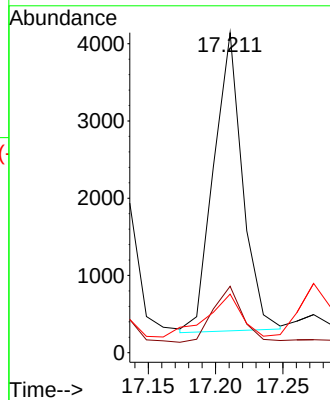
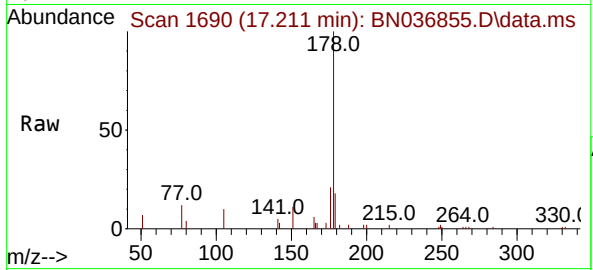




#26
Anthracene
Concen: 0.342 ng
RT: 17.211 min Scan# 1690
Delta R.T. 0.000 min
Lab File: BN036855.D
Acq: 07 Apr 2025 16:06

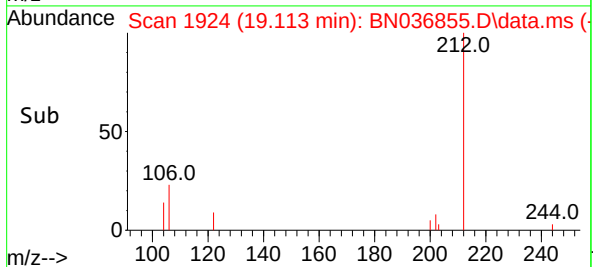
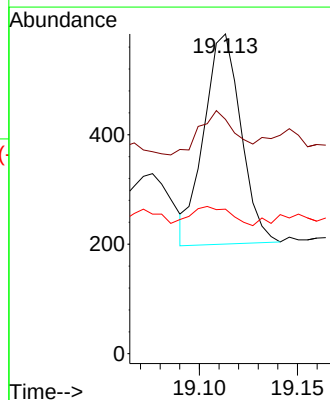
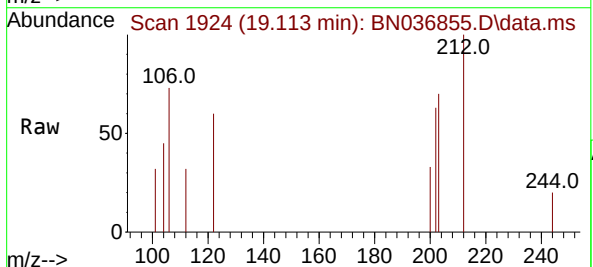
Instrument :
BNA_N
ClientSampleId :
GST1

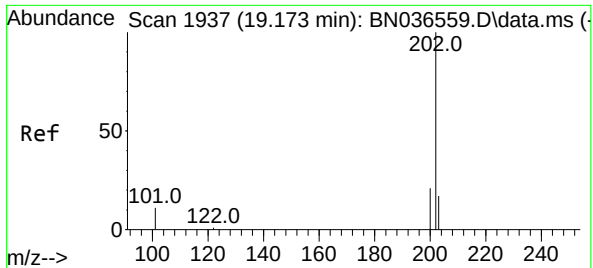
Tgt Ion:178 Resp: 5756
Ion Ratio Lower Upper
178 100
176 19.4 15.4 23.2
179 17.8 12.6 18.8



#27
Fluoranthene-d10
Concen: 0.031 ng
RT: 19.113 min Scan# 1924
Delta R.T. 0.000 min
Lab File: BN036855.D
Acq: 07 Apr 2025 16:06

Tgt Ion:212 Resp: 502
Ion Ratio Lower Upper
212 100
106 20.1 11.8 17.6#
104 10.8 7.3 10.9

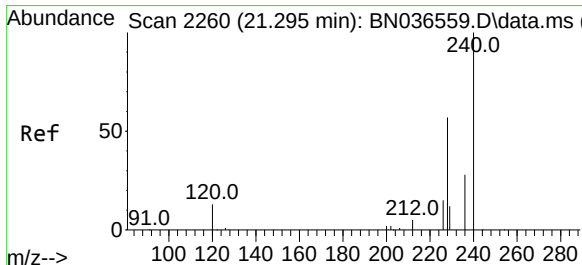
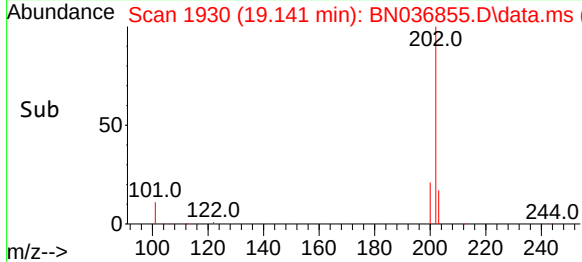
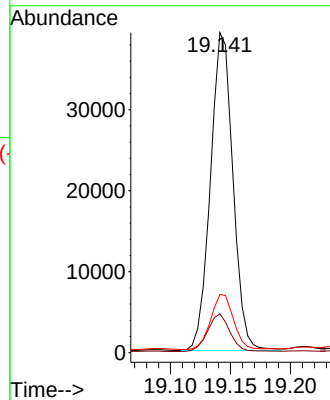
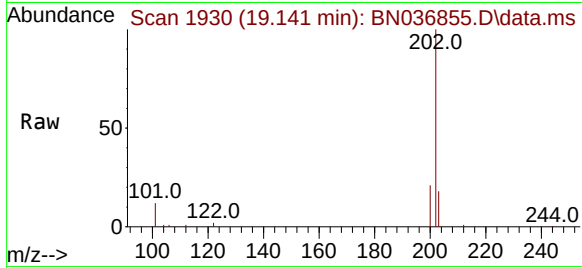




#28
Fluoranthene
Concen: 2.452 ng
RT: 19.141 min Scan# 1937
Delta R.T. 0.000 min
Lab File: BN036855.D
Acq: 07 Apr 2025 16:06

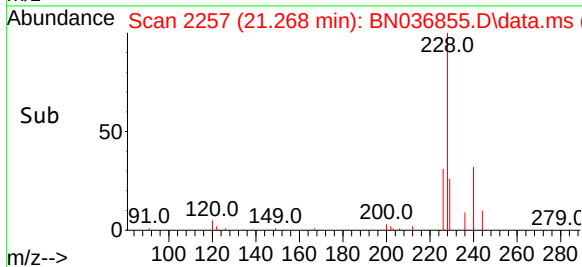
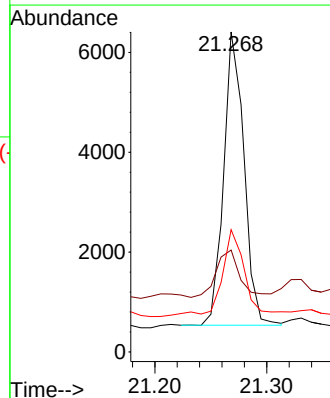
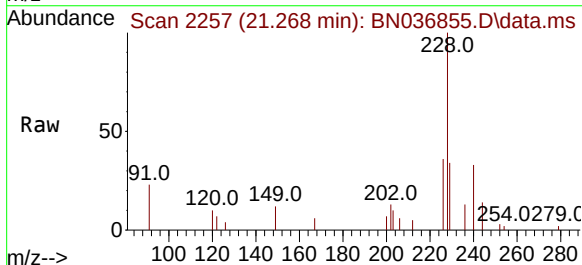
Instrument :
BNA_N
ClientSampleId :
GST1

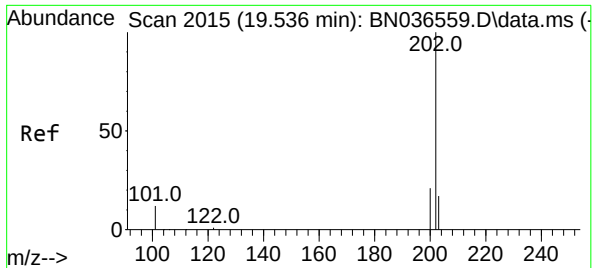
Tgt Ion:202 Resp: 51418
Ion Ratio Lower Upper
202 100
101 11.7 9.4 14.0
203 17.6 13.5 20.3



#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.268 min Scan# 2257
Delta R.T. 0.000 min
Lab File: BN036855.D
Acq: 07 Apr 2025 16:06

Tgt Ion:240 Resp: 7413
Ion Ratio Lower Upper
240 100
120 31.8 14.6 22.0#
236 38.2 24.1 36.1#

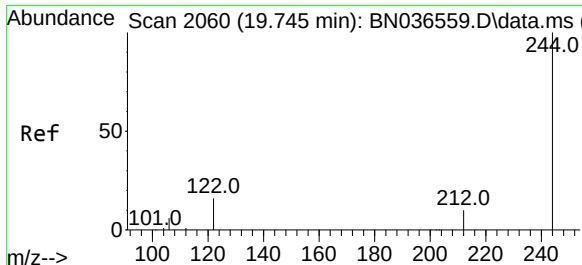
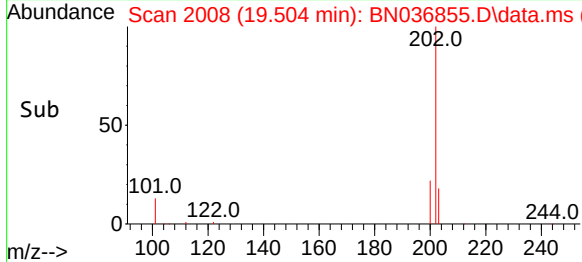
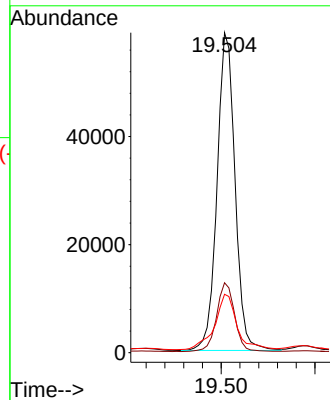
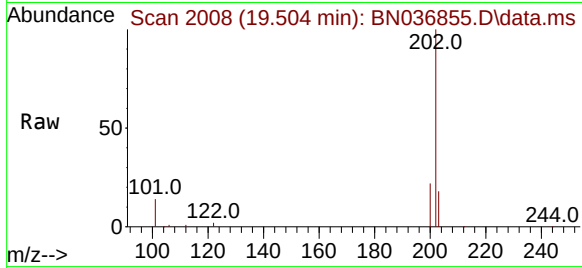




#30
Pyrene
Concen: 2.159 ng
RT: 19.504 min Scan# 2015
Delta R.T. -0.005 min
Lab File: BN036855.D
Acq: 07 Apr 2025 16:06

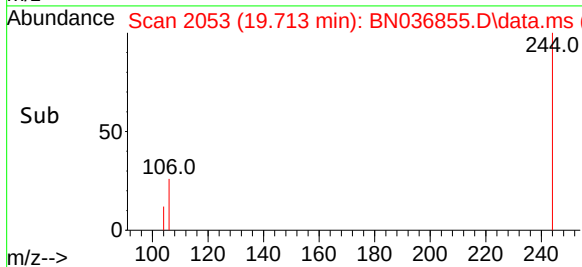
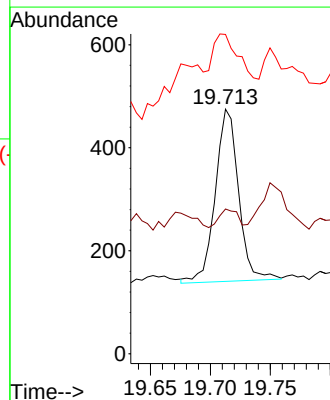
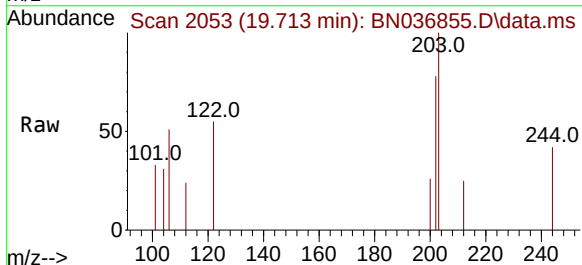
Instrument :
BNA_N
ClientSampleId :
GST1

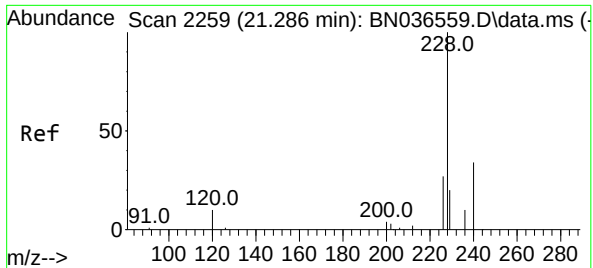
Tgt Ion	Ratio	Lower	Upper
202	100		
200	21.6	17.1	25.7
203	21.5	14.1	21.1#



#31
Terphenyl-d14
Concen: 0.025 ng
RT: 19.713 min Scan# 2053
Delta R.T. -0.005 min
Lab File: BN036855.D
Acq: 07 Apr 2025 16:06

Tgt Ion	Ratio	Lower	Upper
244	100		
212	59.2	9.6	14.4#
122	130.5	13.9	20.9#

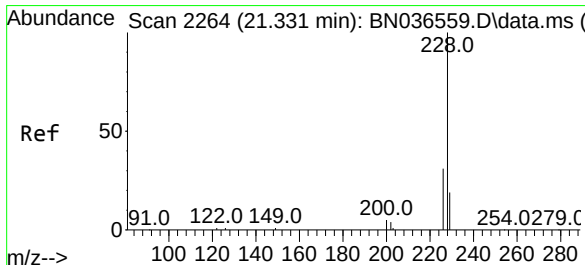
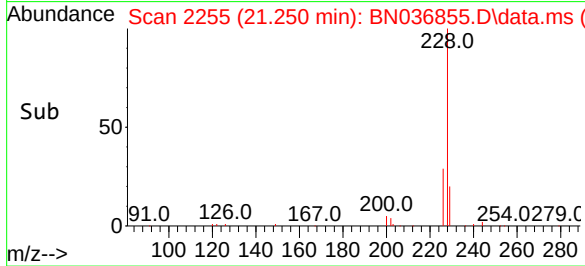
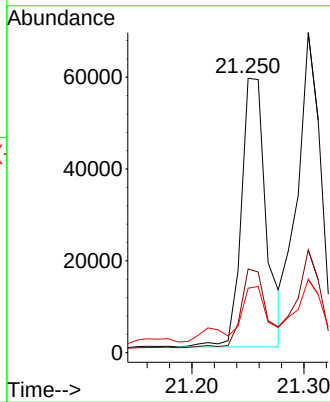
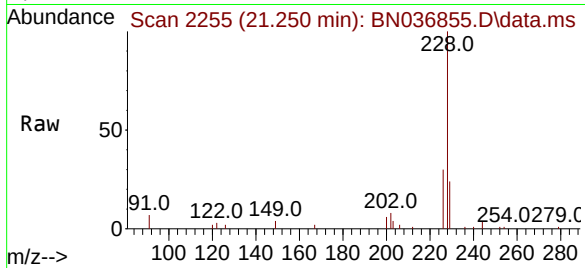




#32
Benzo(a)anthracene
Concen: 3.497 ng
RT: 21.250 min Scan# 211
Delta R.T. -0.009 min
Lab File: BN036855.D
Acq: 07 Apr 2025 16:06

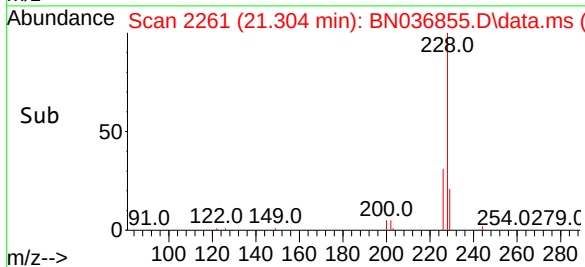
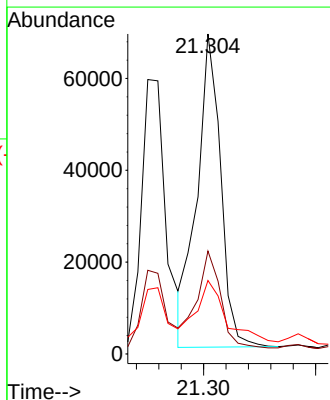
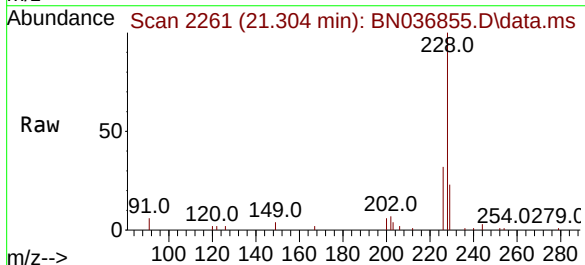
Instrument :
BNA_N
ClientSampleId :
GST1

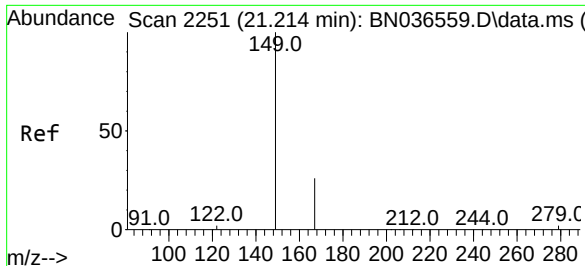
Tgt Ion:228 Resp: 90150
Ion Ratio Lower Upper
228 100
226 30.5 22.5 33.7
229 23.5 16.6 25.0



#33
Chrysene
Concen: 3.551 ng
RT: 21.304 min Scan# 2261
Delta R.T. 0.000 min
Lab File: BN036855.D
Acq: 07 Apr 2025 16:06

Tgt Ion:228 Resp: 100010
Ion Ratio Lower Upper
228 100
226 32.2 25.3 37.9
229 23.0 15.8 23.8

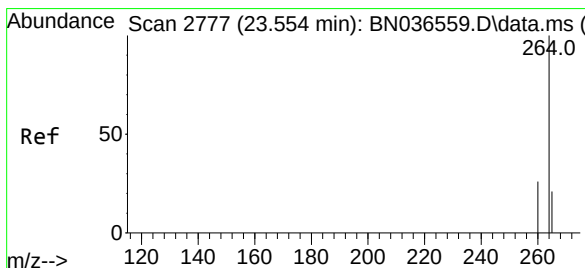
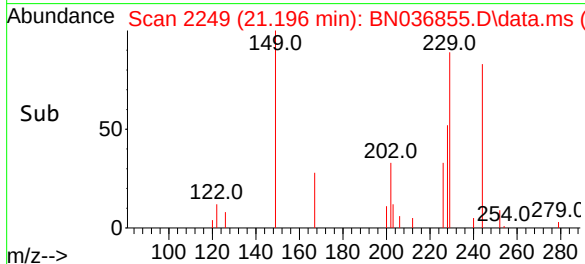
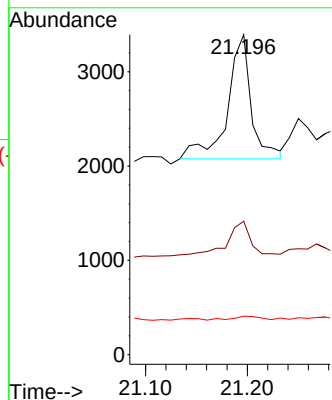
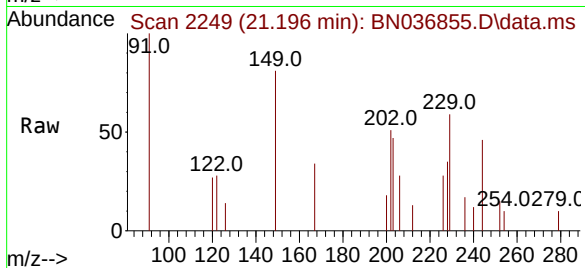




#34
Bis(2-ethylhexyl)phthalate
Concen: 0.117 ng
RT: 21.196 min Scan# 2141
Delta R.T. 0.009 min
Lab File: BN036855.D
Acq: 07 Apr 2025 16:06

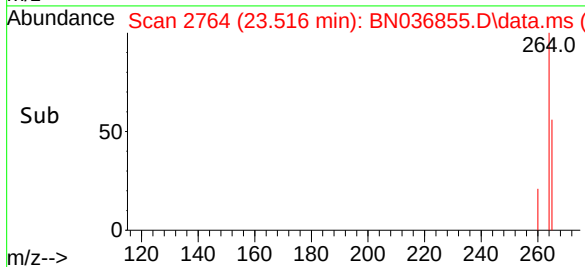
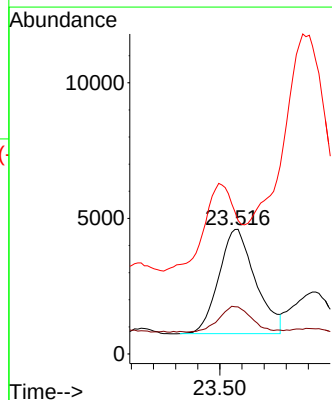
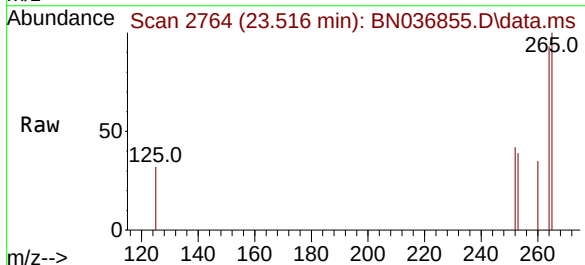
Instrument :
BNA_N
ClientSampleId :
GST1

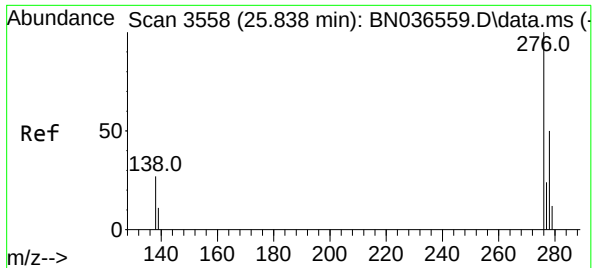
Tgt Ion:149 Resp: 2141
Ion Ratio Lower Upper
149 100
167 24.3 20.7 31.1
279 3.6 3.6 5.4#



#35
Perylene-d12
Concen: 0.400 ng
RT: 23.516 min Scan# 2764
Delta R.T. 0.006 min
Lab File: BN036855.D
Acq: 07 Apr 2025 16:06

Tgt Ion:264 Resp: 8861
Ion Ratio Lower Upper
264 100
260 37.7 22.6 33.8#
265 107.2 88.1 132.1





#36

Indeno(1,2,3-cd)pyrene

Concen: 4.014 ng

RT: 25.782 min Scan# 31

Delta R.T. 0.012 min

Lab File: BN036855.D

Acq: 07 Apr 2025 16:06

Instrument :

BNA_N

ClientSampleId :

GST1

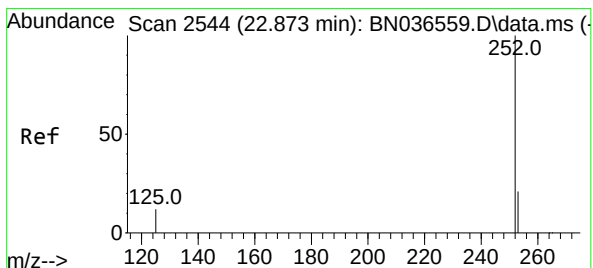
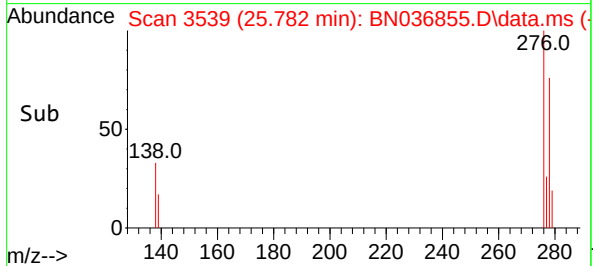
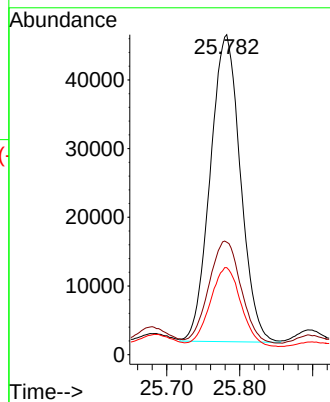
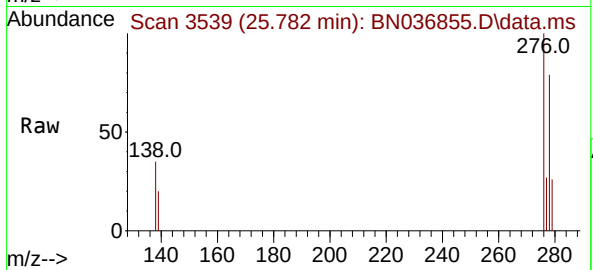
Tgt Ion:276 Resp: 128371

Ion Ratio Lower Upper

276 100

138 36.4 23.4 35.2#

277 26.4 20.0 30.0



#37

Benzo(b)fluoranthene

Concen: 4.115 ng

RT: 22.841 min Scan# 2533

Delta R.T. 0.003 min

Lab File: BN036855.D

Acq: 07 Apr 2025 16:06

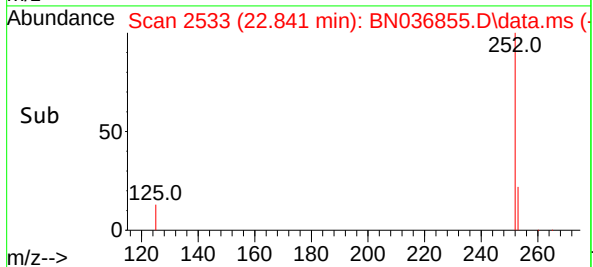
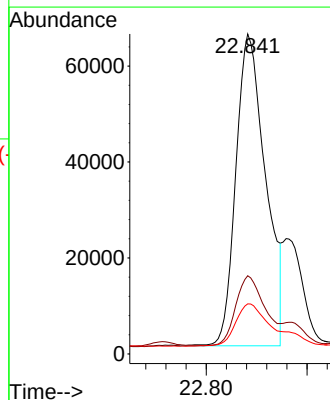
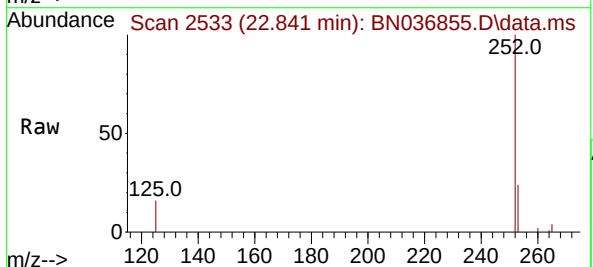
Tgt Ion:252 Resp: 132699

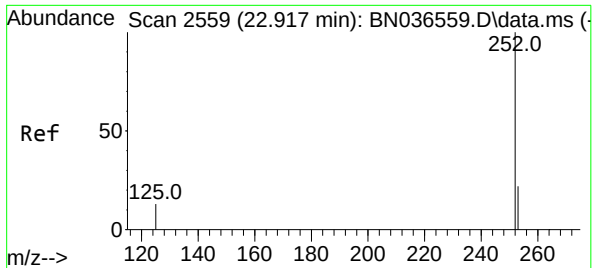
Ion Ratio Lower Upper

252 100

253 24.5 23.9 35.9

125 15.6 17.4 26.2#





#38

Benzo(k)fluoranthene

Concen: 0.963 ng m

RT: 22.879 min Scan# 21

Delta R.T. 0.000 min

Lab File: BN036855.D

Acq: 07 Apr 2025 16:06

Instrument :

BNA_N

ClientSampleId :

GST1

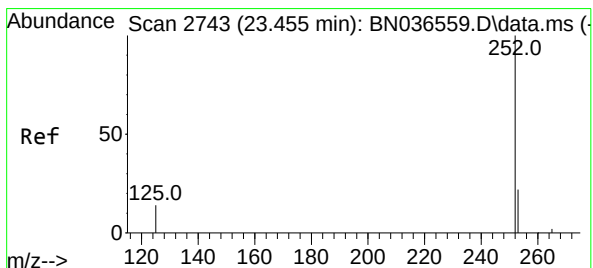
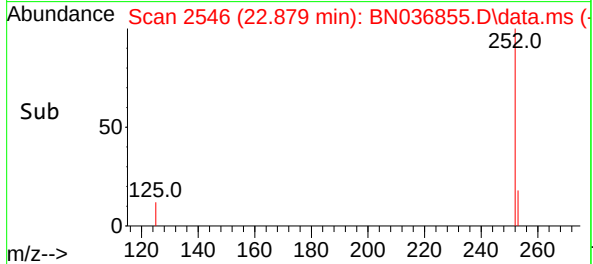
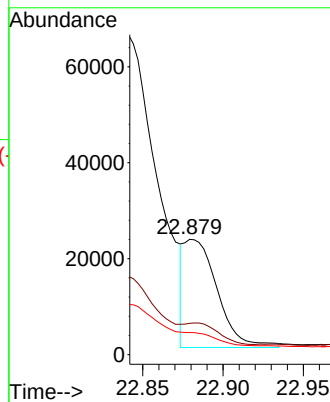
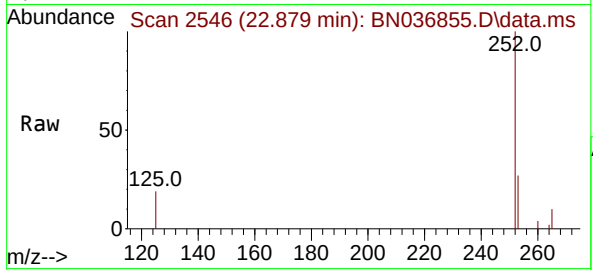
Tgt Ion:252 Resp: 32592

Ion Ratio Lower Upper

252 100

253 27.2 24.6 36.8

125 19.1 17.8 26.8



#39

Benzo(a)pyrene

Concen: 6.549 ng m

RT: 23.417 min Scan# 2730

Delta R.T. 0.006 min

Lab File: BN036855.D

Acq: 07 Apr 2025 16:06

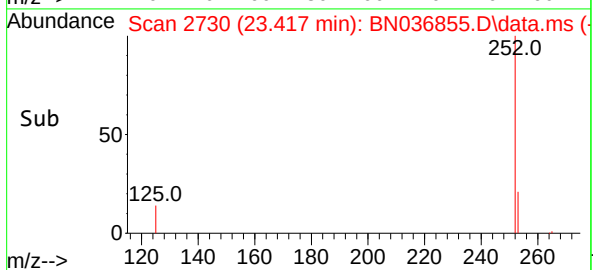
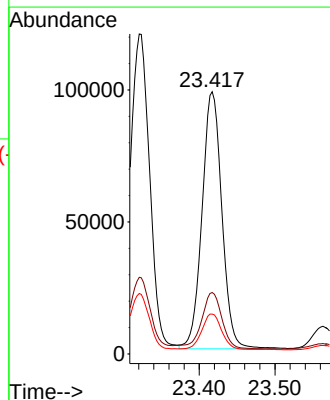
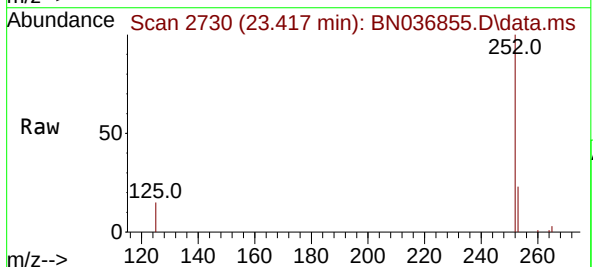
Tgt Ion:252 Resp: 177833

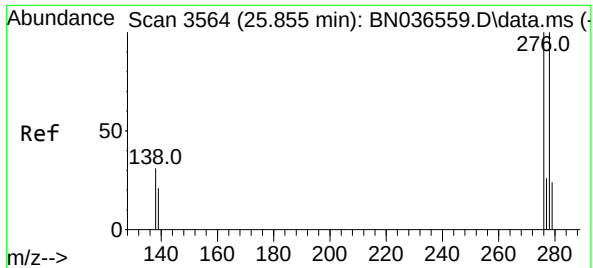
Ion Ratio Lower Upper

252 100

253 23.4 27.8 41.8#

125 15.2 22.7 34.1#

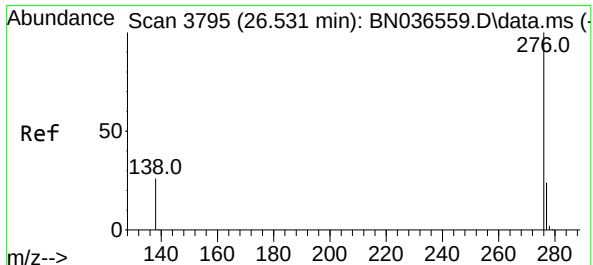
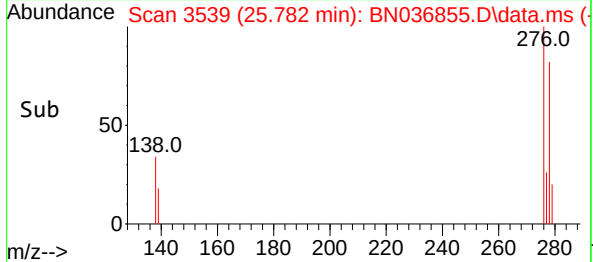
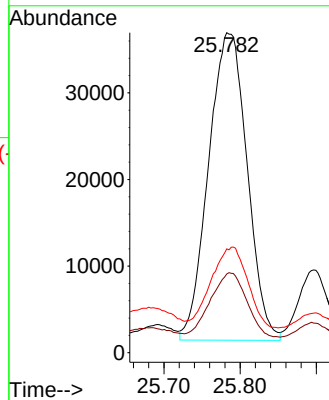
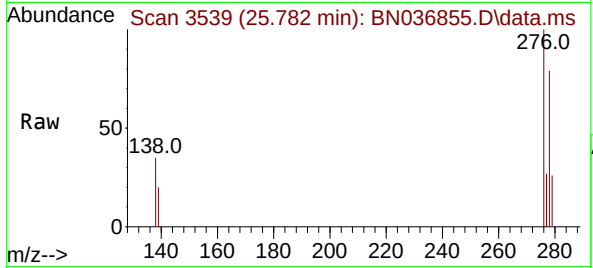




#40
Dibenzo(a,h)anthracene
Concen: 5.016 ng
RT: 25.782 min Scan# 31
Delta R.T. -0.009 min
Lab File: BN036855.D
Acq: 07 Apr 2025 16:06

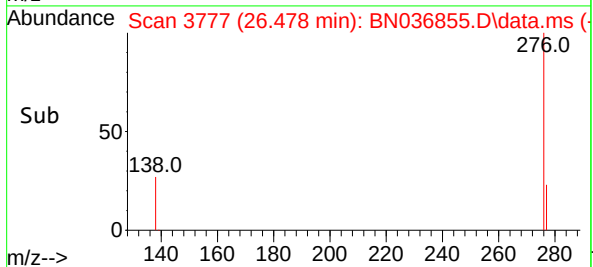
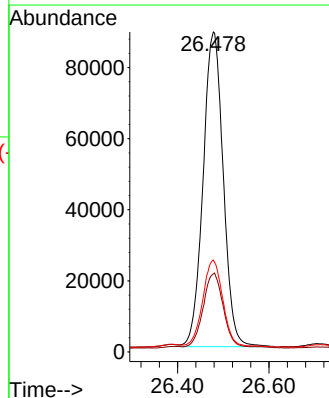
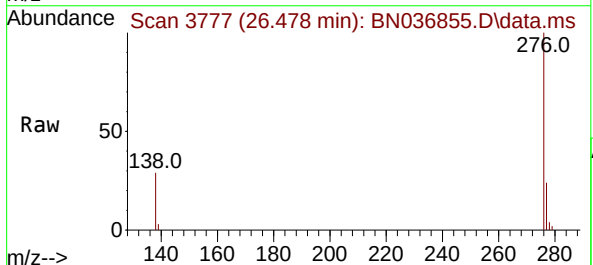
Instrument :
BNA_N
ClientSampleId :
GST1

Tgt Ion:278 Resp: 124897
Ion Ratio Lower Upper
278 100
139 24.6 20.8 31.2
279 32.4 28.8 43.2



#41
Benzo(g,h,i)perylene
Concen: 9.508 ng
RT: 26.478 min Scan# 3777
Delta R.T. 0.021 min
Lab File: BN036855.D
Acq: 07 Apr 2025 16:06

Tgt Ion:276 Resp: 270825
Ion Ratio Lower Upper
276 100
277 24.4 22.2 33.4
138 28.8 24.1 36.1



Report of Analysis

Client:	G Environmental	Date Collected:	04/04/25
Project:	Stockton	Date Received:	04/04/25
Client Sample ID:	GST2	SDG No.:	Q1736
Lab Sample ID:	Q1736-02	Matrix:	SOIL
Analytical Method:	SW8270ESIM	% Solid:	80.5
Sample Wt/Vol:	30.03 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-SIMGroup1
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	sw3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BN036850.D	1	04/07/25 08:55	04/07/25 13:06	PB167475

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
123-91-1	1,4-Dioxane	2.90	U	2.90	8.20	ug/Kg
SURROGATES						
7297-45-2	2-Methylnaphthalene-d10	0.30		30 (17) - 150 (161)	75%	SPK: 0.4
93951-69-0	Fluoranthene-d10	0.38		30 (23) - 150 (138)	94%	SPK: 0.4
4165-60-0	Nitrobenzene-d5	0.29		30 (33) - 130 (121)	73%	SPK: 0.4
321-60-8	2-Fluorobiphenyl	0.30		30 (32) - 130 (121)	76%	SPK: 0.4
1718-51-0	Terphenyl-d14	0.29		30 (21) - 130 (130)	72%	SPK: 0.4
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	1540	7.688			
1146-65-2	Naphthalene-d8	3990	10.477			
15067-26-2	Acenaphthene-d10	2300	14.334			
1517-22-2	Phenanthrene-d10	4940	17.074			
1719-03-5	Chrysene-d12	4940	21.277			
1520-96-3	Perylene-d12	4830	23.519			

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_N\Data\BN040725\
Data File : BN036850.D
Acq On : 07 Apr 2025 13:06
Operator : RC/JU
Sample : Q1736-02
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
GST2

Quant Time: Apr 07 14:06:09 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN031025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Apr 04 17:30:43 2025
Response via : Initial Calibration

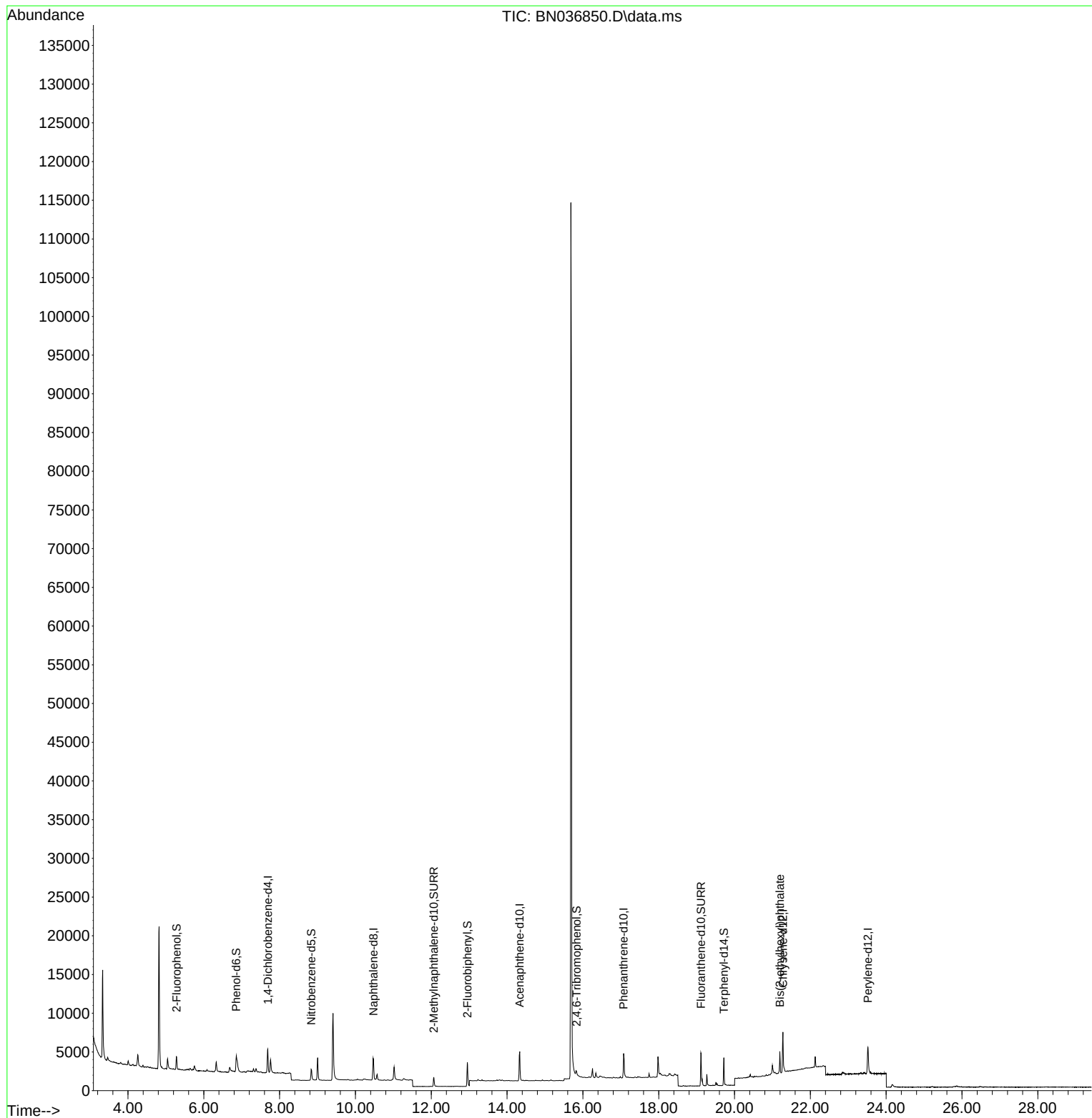
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.688	152	1541	0.400	ng	0.00
7) Naphthalene-d8	10.477	136	3985	0.400	ng	# 0.00
13) Acenaphthene-d10	14.334	164	2296	0.400	ng	0.00
19) Phenanthrene-d10	17.074	188	4940	0.400	ng	# 0.00
29) Chrysene-d12	21.277	240	4936	0.400	ng	# 0.00
35) Perylene-d12	23.519	264	4825	0.400	ng	# 0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.283	112	1311	0.365	ng	0.00
5) Phenol-d6	6.858	99	1696	0.382	ng	0.00
8) Nitrobenzene-d5	8.833	82	1266	0.292	ng	-0.01
11) 2-Methylnaphthalene-d10	12.065	152	1780	0.300	ng	0.00
14) 2,4,6-Tribromophenol	15.833	330	386	0.370	ng	0.00
15) 2-Fluorobiphenyl	12.953	172	4051	0.303	ng	0.00
27) Fluoranthene-d10	19.113	212	4788	0.378	ng	0.00
31) Terphenyl-d14	19.717	244	3416	0.289	ng	0.00
Target Compounds						
34) Bis(2-ethylhexyl)phtha...	21.196	149	2646	0.217	ng	# 99

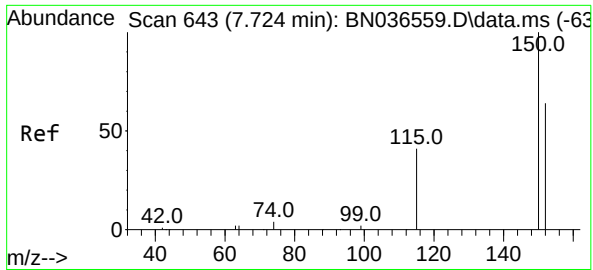
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN040725\
Data File : BN036850.D
Acq On : 07 Apr 2025 13:06
Operator : RC/JU
Sample : Q1736-02
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
GST2

Quant Time: Apr 07 14:06:09 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN031025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Apr 04 17:30:43 2025
Response via : Initial Calibration

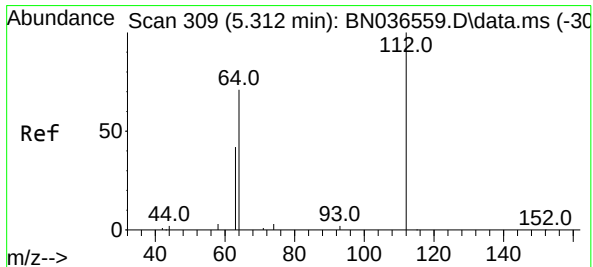
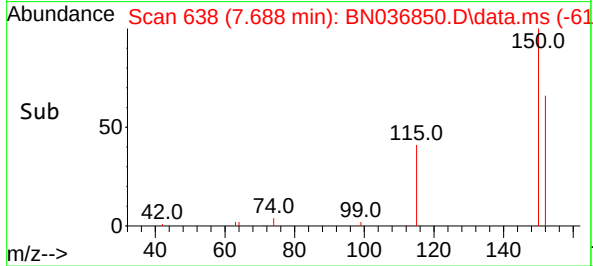
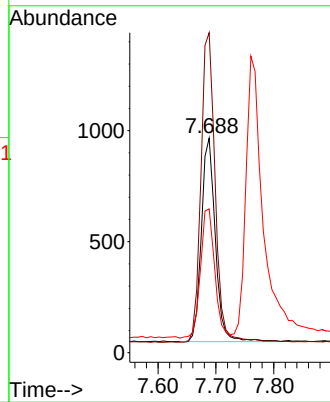
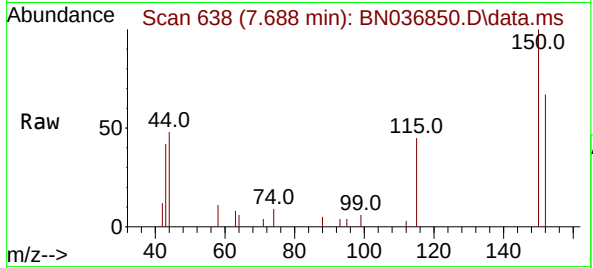




#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.688 min Scan# 61
Delta R.T. 0.000 min
Lab File: BN036850.D
Acq: 07 Apr 2025 13:06

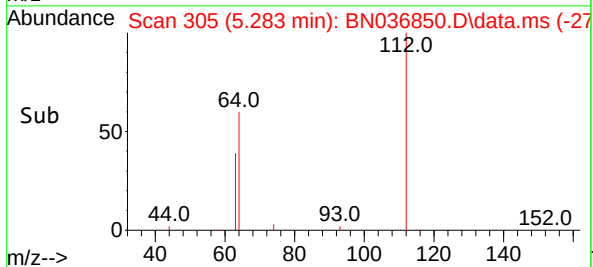
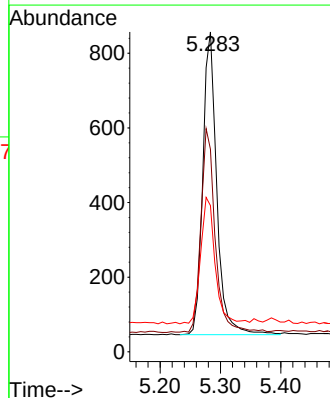
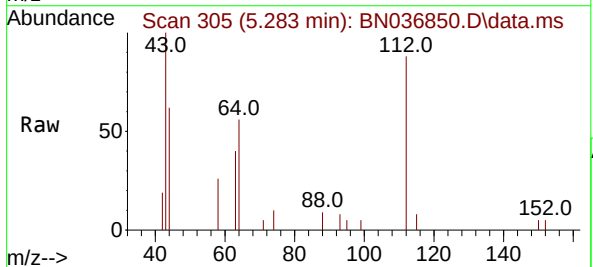
Instrument :
BNA_N
ClientSampleId :
GST2

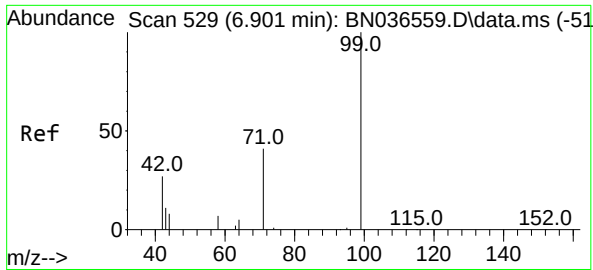
Tgt Ion:152 Resp: 1541
Ion Ratio Lower Upper
152 100
150 149.2 123.7 185.5
115 67.1 54.3 81.5



#4
2-Fluorophenol
Concen: 0.365 ng
RT: 5.283 min Scan# 305
Delta R.T. -0.000 min
Lab File: BN036850.D
Acq: 07 Apr 2025 13:06

Tgt Ion:112 Resp: 1311
Ion Ratio Lower Upper
112 100
64 68.7 53.1 79.7
63 43.0 31.8 47.8

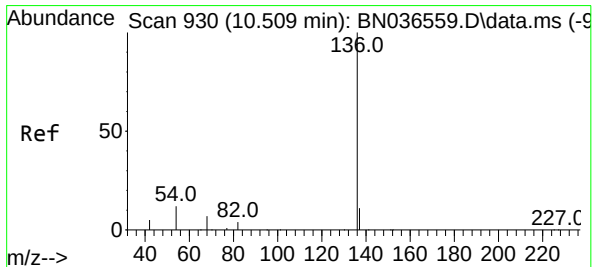
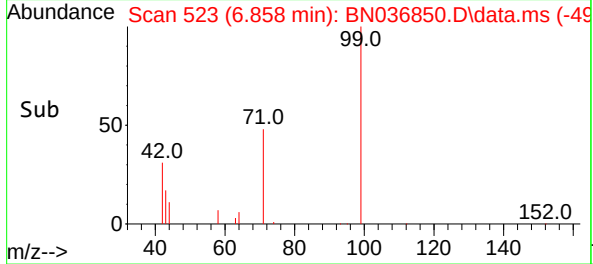
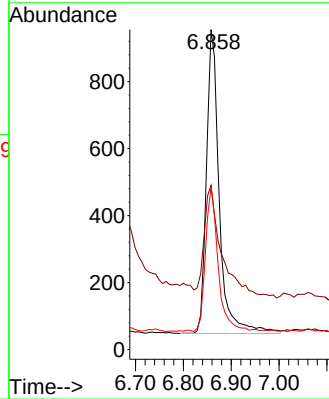
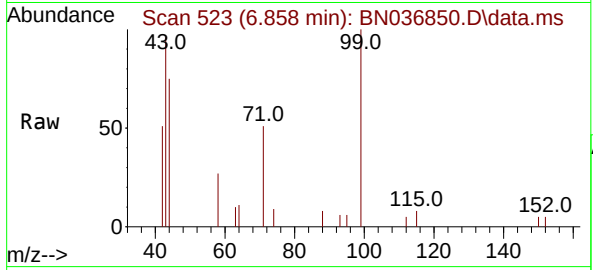




#5
Phenol-d6
Concen: 0.382 ng
RT: 6.858 min Scan# 51
Delta R.T. -0.007 min
Lab File: BN036850.D
Acq: 07 Apr 2025 13:06

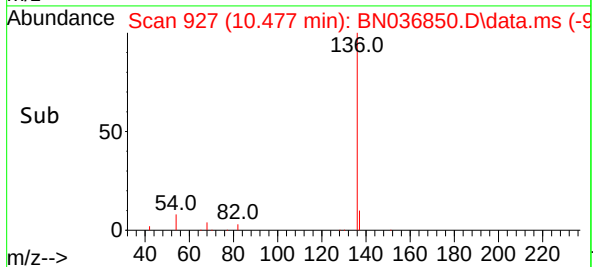
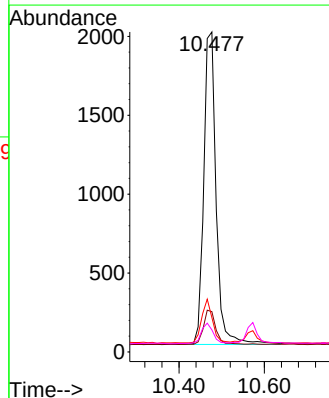
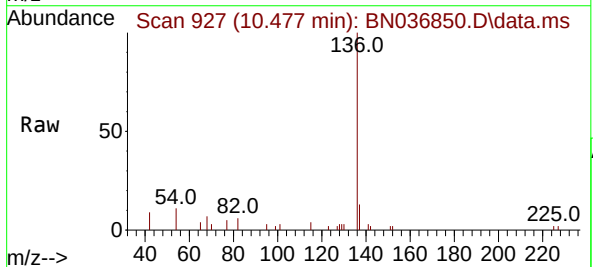
Instrument :
BNA_N
ClientSampleId :
GST2

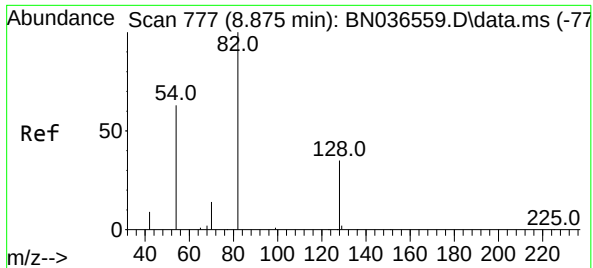
Tgt Ion: 99 Resp: 1696
Ion Ratio Lower Upper
99 100
42 51.4 26.5 39.7#
71 48.2 34.1 51.1



#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.477 min Scan# 927
Delta R.T. 0.000 min
Lab File: BN036850.D
Acq: 07 Apr 2025 13:06

Tgt Ion: 136 Resp: 3985
Ion Ratio Lower Upper
136 100
137 12.6 10.3 15.5
54 10.7 11.5 17.3#
68 6.9 7.0 10.4#

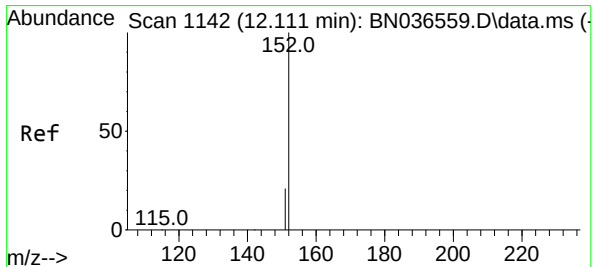
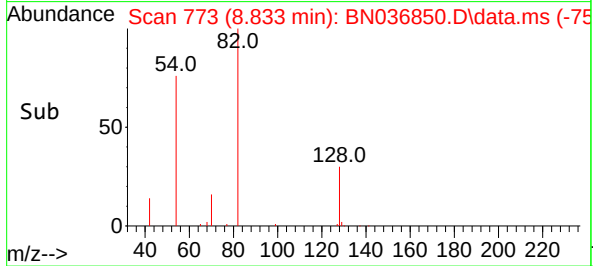
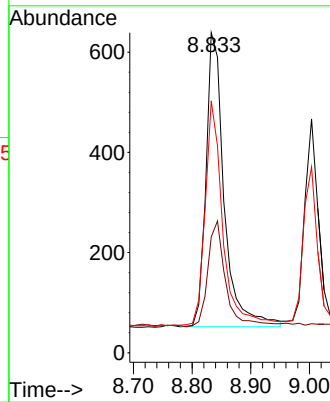
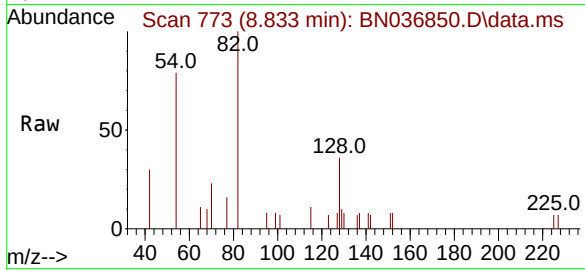




#8
Nitrobenzene-d5
Concen: 0.292 ng
RT: 8.833 min Scan# 71
Delta R.T. -0.011 min
Lab File: BN036850.D
Acq: 07 Apr 2025 13:06

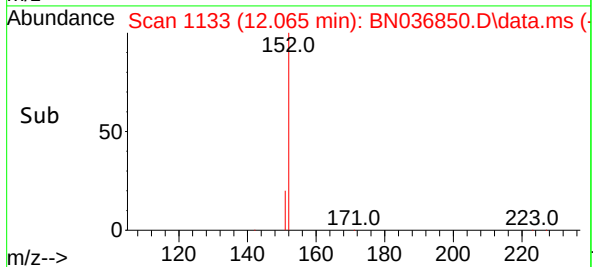
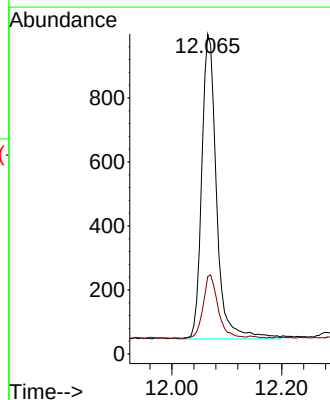
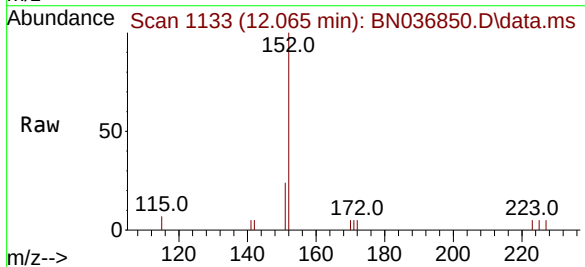
Instrument :
BNA_N
ClientSampleId :
GST2

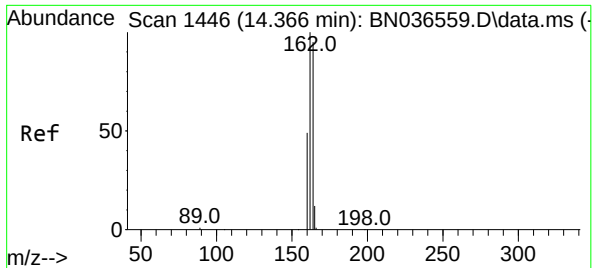
Tgt Ion: 82 Resp: 1266
Ion Ratio Lower Upper
82 100
128 36.2 30.6 45.8
54 78.7 52.2 78.4#



#11
2-Methylnaphthalene-d10
Concen: 0.300 ng
RT: 12.065 min Scan# 1133
Delta R.T. -0.005 min
Lab File: BN036850.D
Acq: 07 Apr 2025 13:06

Tgt Ion: 152 Resp: 1780
Ion Ratio Lower Upper
152 100
151 21.3 17.0 25.6

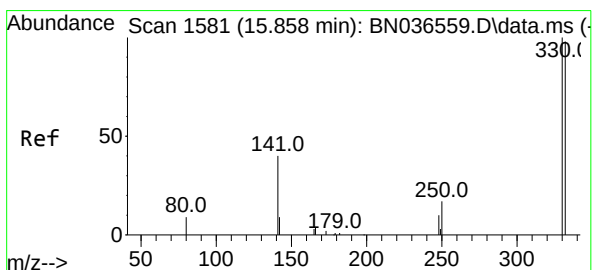
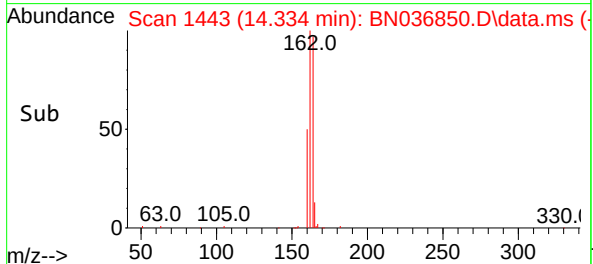
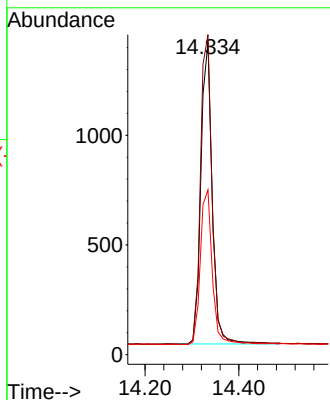
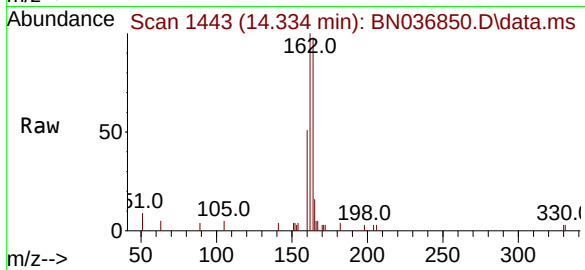




#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.334 min Scan# 1446
Delta R.T. -0.000 min
Lab File: BN036850.D
Acq: 07 Apr 2025 13:06

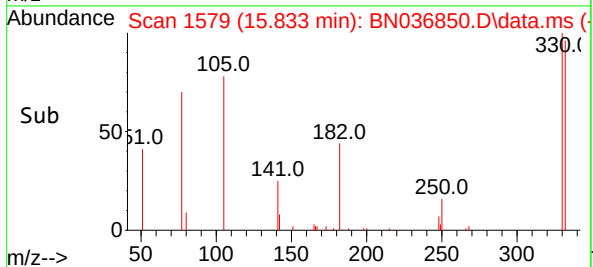
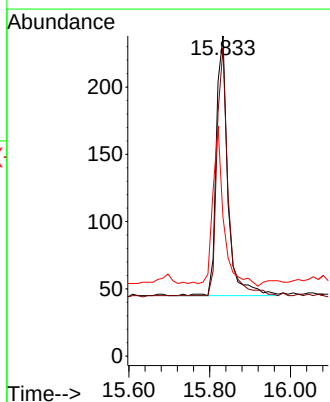
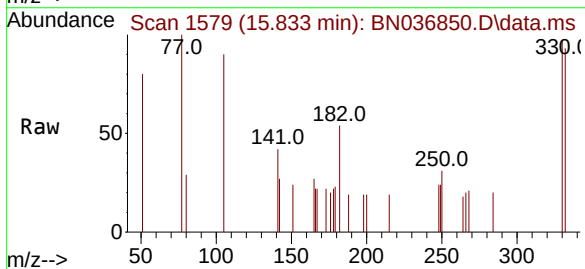
Instrument :
BNA_N
ClientSampleId :
GST2

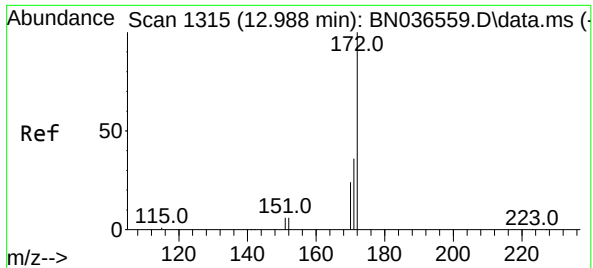
Tgt Ion:164 Resp: 2296
Ion Ratio Lower Upper
164 100
162 102.5 84.2 126.2
160 52.8 42.2 63.2



#14
2,4,6-Tribromophenol
Concen: 0.370 ng
RT: 15.833 min Scan# 1579
Delta R.T. -0.000 min
Lab File: BN036850.D
Acq: 07 Apr 2025 13:06

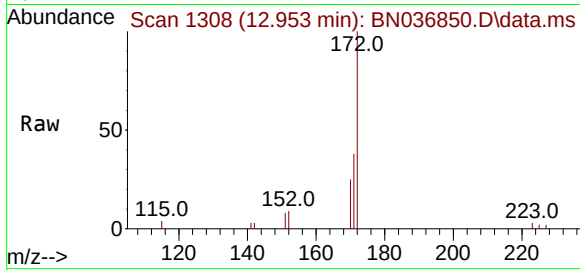
Tgt Ion:330 Resp: 386
Ion Ratio Lower Upper
330 100
332 91.2 75.2 112.8
141 58.8 43.4 65.2



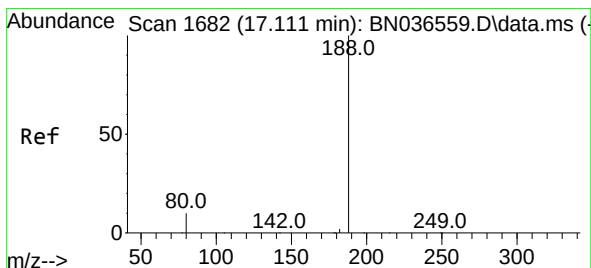
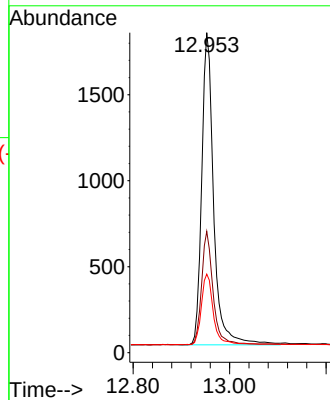
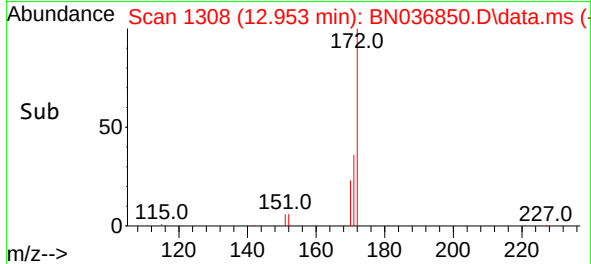


#15
2-Fluorobiphenyl
Concen: 0.303 ng
RT: 12.953 min Scan# 11
Delta R.T. -0.005 min
Lab File: BN036850.D
Acq: 07 Apr 2025 13:06

Instrument :
BNA_N
ClientSampleId :
GST2

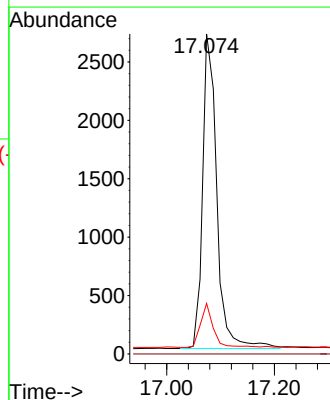
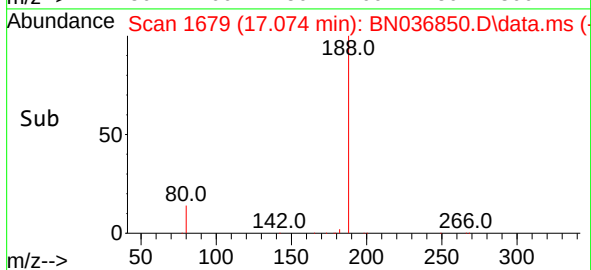
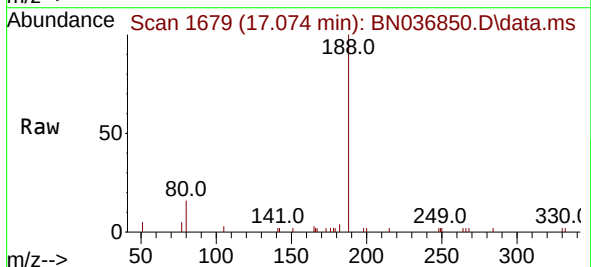


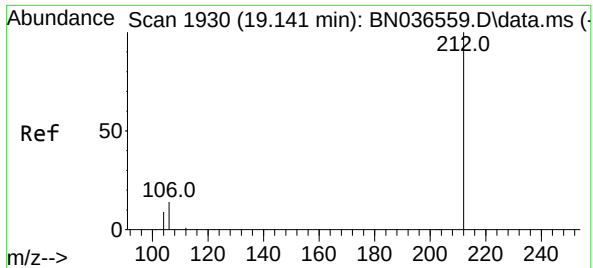
Tgt Ion:172 Resp: 4051
Ion Ratio Lower Upper
172 100
171 37.9 29.5 44.3
170 24.6 20.2 30.4



#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.074 min Scan# 1679
Delta R.T. -0.000 min
Lab File: BN036850.D
Acq: 07 Apr 2025 13:06

Tgt Ion:188 Resp: 4940
Ion Ratio Lower Upper
188 100
94 0.0 0.0 0.0
80 15.8 8.8 13.2#

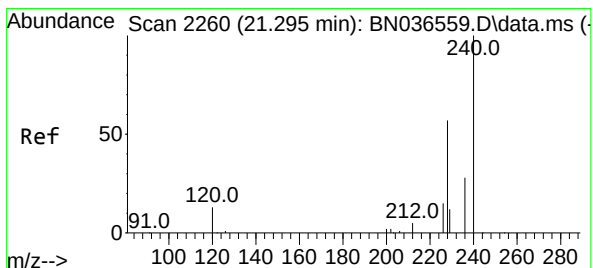
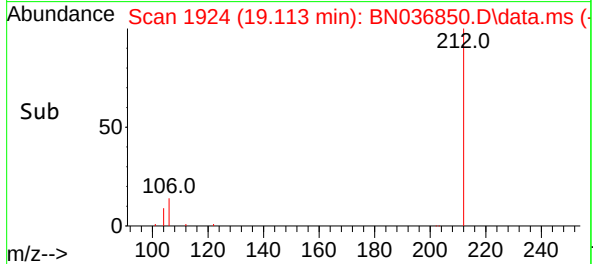
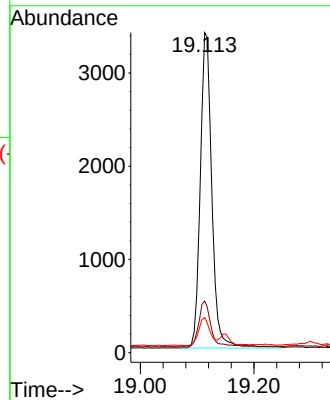
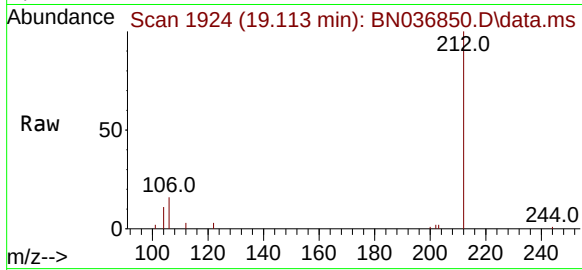




#27
Fluoranthene-d10
Concen: 0.378 ng
RT: 19.113 min Scan# 1911
Delta R.T. -0.000 min
Lab File: BN036850.D
Acq: 07 Apr 2025 13:06

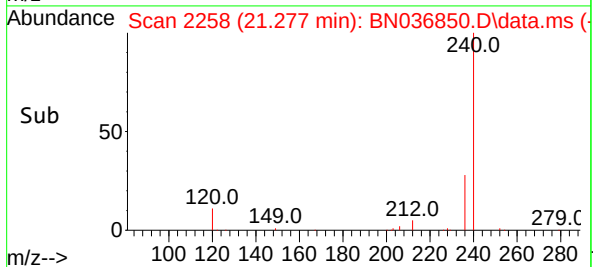
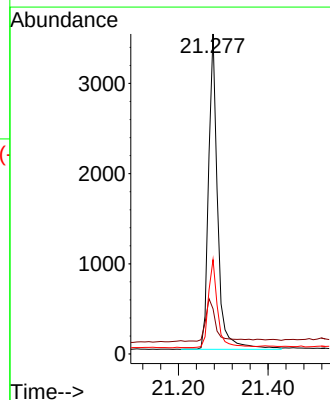
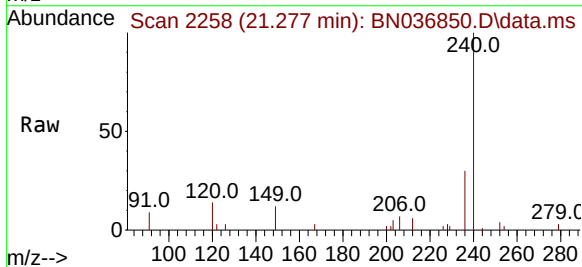
Instrument :
BNA_N
ClientSampleId :
GST2

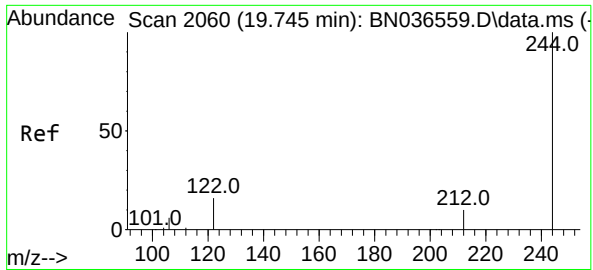
Tgt Ion:212 Resp: 4788
Ion Ratio Lower Upper
212 100
106 15.2 11.8 17.6
104 8.5 7.3 10.9



#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.277 min Scan# 2258
Delta R.T. 0.009 min
Lab File: BN036850.D
Acq: 07 Apr 2025 13:06

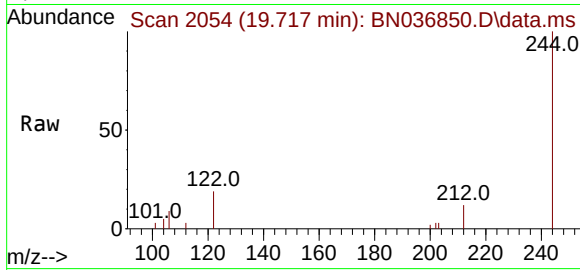
Tgt Ion:240 Resp: 4936
Ion Ratio Lower Upper
240 100
120 14.1 14.6 22.0#
236 29.5 24.1 36.1



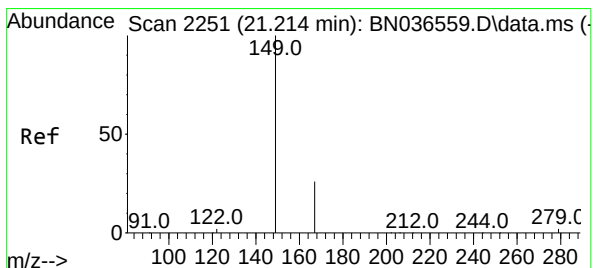
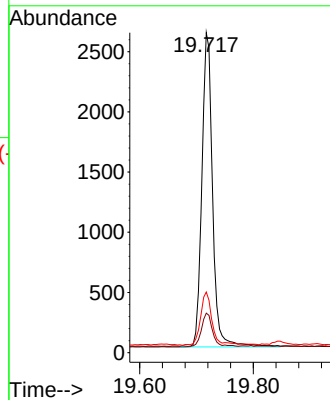
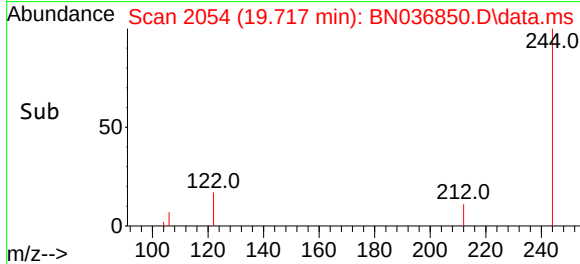


#31
Terphenyl-d14
Concen: 0.289 ng
RT: 19.717 min Scan# 2060
Delta R.T. -0.000 min
Lab File: BN036850.D
Acq: 07 Apr 2025 13:06

Instrument :
BNA_N
ClientSampleId :
GST2

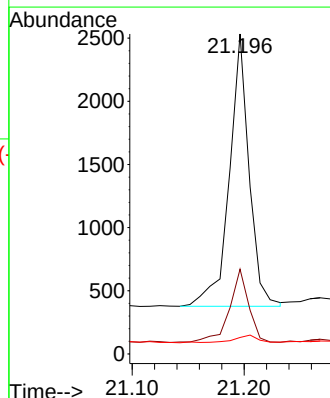
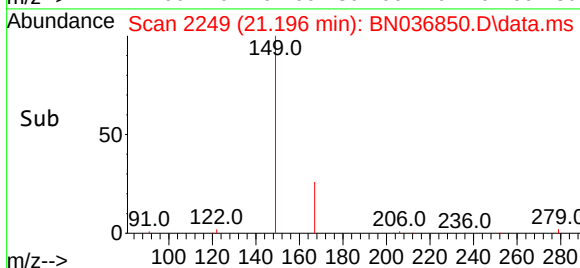
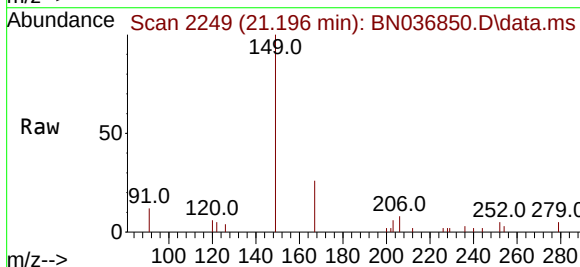


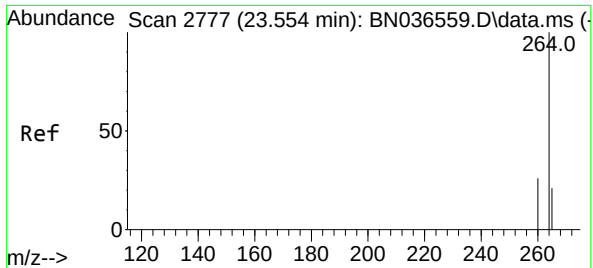
Tgt Ion:244 Resp: 3416
Ion Ratio Lower Upper
244 100
212 12.3 9.6 14.4
122 19.0 13.9 20.9



#34
Bis(2-ethylhexyl)phthalate
Concen: 0.217 ng
RT: 21.196 min Scan# 2249
Delta R.T. 0.009 min
Lab File: BN036850.D
Acq: 07 Apr 2025 13:06

Tgt Ion:149 Resp: 2646
Ion Ratio Lower Upper
149 100
167 26.0 20.7 31.1
279 3.4 3.6 5.4#





#35

Perylene-d12

Concen: 0.400 ng

RT: 23.519 min Scan# 21

Delta R.T. 0.009 min

Lab File: BN036850.D

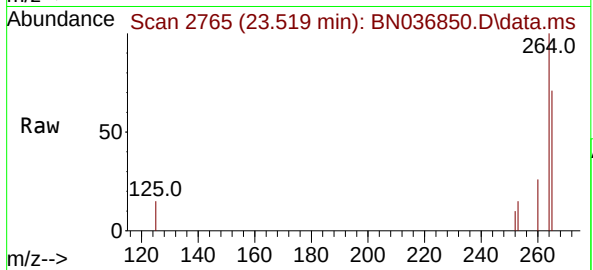
Acq: 07 Apr 2025 13:06

Instrument :

BNA_N

ClientSampleId :

GST2



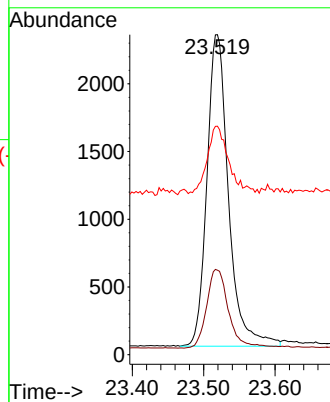
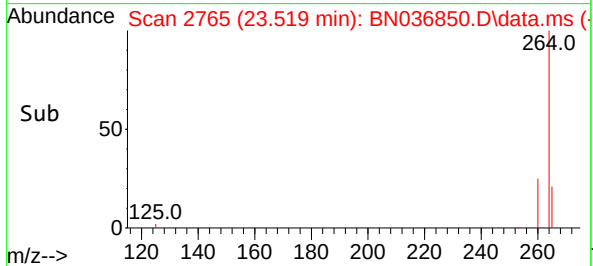
Tgt Ion:264 Resp: 4825

Ion Ratio Lower Upper

264 100

260 26.4 22.6 33.8

265 71.4 88.1 132.1#





CALIBRATION SUMMARY



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

6C

SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: GENV01
 Lab Code: CHEM Case No.: Q1736 SAS No.: Q1736 SDG No.: Q1736
 Instrument ID: BNA_N Calibration Date(s): 03/10/2025 03/10/2025
 Calibration Time(s): 11:42 15:19

LAB FILE ID:		RRF0.1 = BN036557.D		RRF0.2 = BN036558.D		RRF0.4 = BN036559.D		
		RRF0.8 = BN036560.D		RRF1.6 = BN036561.D		RRF3.2 = BN036562.D		
COMPOUND	RRF0.1	RRF0.2	RRF0.4	RRF0.8	RRF1.6	RRF3.2	RRF	% RSD
2-Methylnaphthalene-d10	0.656	0.549	0.606	0.562	0.577	0.633	0.595	6.5
Fluoranthene-d10	1.037	0.955	1.116	0.956	1.025	1.087	1.025	6.0
2-Fluorophenol	0.931	0.908	0.987	0.878	0.914	0.996	0.932	4.7
Phenol-d6	1.243	1.057	1.128	1.067	1.133	1.254	1.152	6.8
Nitrobenzene-d5	0.572	0.396	0.415	0.401	0.402	0.450	0.435	14.5
2-Fluorobiphenyl	2.208	1.982	2.398	2.350	2.364	2.566	2.327	8.0
2,4,6-Tribromophenol	0.181	0.160	0.187	0.169	0.188	0.197	0.182	7.0
Terphenyl-d14	0.962	0.965	1.028	0.924	0.915	0.987	0.958	4.2
1,4-Dioxane	0.434	0.439	0.498	0.451	0.440	0.445	0.444	6.6

All other compounds must meet a minimum RRF of 0.010.

Form VI SV-1

Method Path : Z:\svoasrv\HPCHEM1\BNA_N\Methods\
 Method File : 8270-SIM-BN031025.M
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 Last Update : Mon Mar 10 16:06:28 2025
 Response Via : Initial Calibration

Calibration Files

0.1 =BN036557.D 0.2 =BN036558.D 0.4 =BN036559.D 0.8 =BN036560.D 1.6 =BN036561.D 3.2 =BN036562.D 5.0 =BN036563.D

	Compound	0.1	0.2	0.4	0.8	1.6	3.2	5.0	Avg	%RSD

1) I	1,4-Dichlorobenzen...	-----ISTD-----								
2)	1,4-Dioxane	0.434	0.439	0.498	0.451	0.440	0.445	0.399	0.444	6.60
3)	n-Nitrosodimet...	1.112	0.874	0.935	0.841	0.850	0.883	0.789	0.898	11.64
4) S	2-Fluorophenol	0.931	0.908	0.987	0.878	0.914	0.996	0.911	0.932	4.67
5) S	Phenol-d6	1.243	1.057	1.128	1.067	1.133	1.254	1.180	1.152	6.79
6)	bis(2-Chloroet...	1.426	1.150	1.183	1.129	1.132	1.210	1.104	1.190	9.22
7) I	Naphthalene-d8	-----ISTD-----								
8) S	Nitrobenzene-d5	0.572	0.396	0.415	0.401	0.402	0.450	0.411	0.435	14.47
9)	Naphthalene	1.371	1.125	1.206	1.111	1.108	1.222	1.094	1.177	8.45
10)	Hexachlorobuta...	0.296	0.283	0.294	0.267	0.261	0.286	0.251	0.277	6.24
11) SURR2	Methylnaphth...	0.656	0.549	0.606	0.562	0.577	0.633	0.581	0.595	6.55
12)	2-Methylnaphth...	0.810	0.696	0.765	0.703	0.734	0.802	0.731	0.749	6.03
13) I	Acenaphthene-d10	-----ISTD-----								
14) S	2,4,6-Tribromo...	0.181	0.160	0.187	0.169	0.188	0.197	0.188	0.182	7.04
15) S	2-Fluorobiphenyl	2.208	1.982	2.398	2.350	2.364	2.566	2.419	2.327	7.96
16)	Acenaphthylene	1.882	1.756	1.938	1.794	1.834	2.074	1.935	1.888	5.66
17)	Acenaphthene	1.257	1.159	1.281	1.171	1.199	1.339	1.243	1.236	5.17
18)	Fluorene	1.629	1.600	1.764	1.609	1.670	1.778	1.650	1.672	4.32
19) I	Phenanthrene-d10	-----ISTD-----								
20)	4,6-Dinitro-2-...	0.057	0.077	0.075	0.088	0.110	0.111	0.086		24.66
21)	4-Bromophenyl-...	0.243	0.227	0.274	0.238	0.241	0.278	0.253	0.251	7.53
22)	Hexachlorobenzene	0.306	0.288	0.336	0.295	0.283	0.322	0.289	0.303	6.58
23)	Atrazine	0.193	0.191	0.213	0.192	0.200	0.216	0.200	0.201	5.08
24)	Pentachlorophenol	0.140	0.116	0.137	0.122	0.135	0.161	0.155	0.138	11.76
25)	Phenanthrene	1.190	1.111	1.297	1.141	1.165	1.300	1.195	1.200	6.09
26)	Anthracene	1.026	0.971	1.147	1.033	1.075	1.215	1.112	1.083	7.60
27) SURR	Fluoranthene-d10	1.037	0.955	1.116	0.956	1.025	1.087	1.000	1.025	5.98
28)	Fluoranthene	1.341	1.243	1.452	1.272	1.364	1.447	1.316	1.348	5.95
29) I	Chrysene-d12	-----ISTD-----								
30)	Pyrene	1.945	2.005	2.131	1.910	1.870	1.992	1.837	1.956	5.04
31) S	Terphenyl-d14	0.962	0.965	1.028	0.924	0.915	0.987	0.926	0.958	4.23
32)	Benzo(a)anthra...	1.389	1.315	1.437	1.304	1.347	1.528	1.415	1.391	5.63
33)	Chrysene	1.486	1.509	1.610	1.507	1.462	1.616	1.448	1.520	4.44
34)	Bis(2-ethylhex...	1.196	1.100	1.044	0.865	0.946	0.912	0.870	0.990	12.74
35) I	Perylene-d12	-----ISTD-----								

Method Path : Z:\svoasrv\HPCHEM1\BNA_N\Methods\

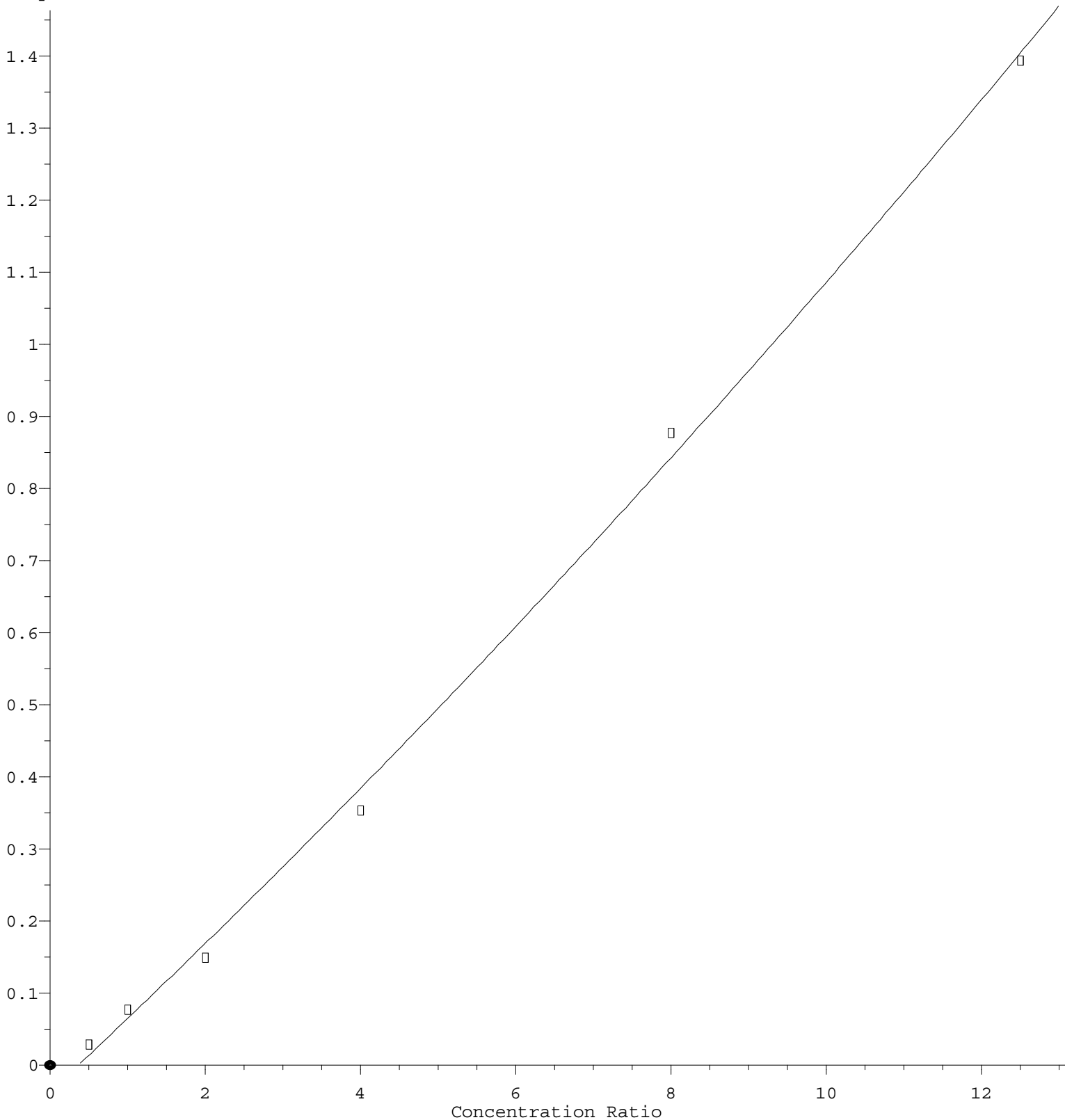
Method File : 8270-SIM-BN031025.M

36)	Indeno(1,2,3-c...	1.160	1.316	1.546	1.404	1.417	1.693	1.571	1.444	12.27
37)	Benzo(b)fluora...	1.311	1.360	1.547	1.402	1.477	1.595	1.498	1.456	7.04
38)	Benzo(k)fluora...	1.504	1.397	1.620	1.481	1.521	1.635	1.534	1.527	5.34
39) C	Benzo(a)pyrene	1.090	1.152	1.303	1.195	1.223	1.350	1.268	1.226	7.29
40)	Dibenzo(a,h)an...	0.893	0.981	1.163	1.126	1.102	1.351	1.252	1.124	13.76
41)	Benzo(g,h,i)pe...	1.138	1.213	1.382	1.250	1.233	1.449	1.334	1.286	8.36

(#) = Out of Range

4,6-Dinitro-2-methylphenol

Response Ratio



$R = 1.185e-003 A^2 + 1.005e-001 A - 3.674e-002$
 Coef of Det (r^2) = 0.997987 Curve Fit: Quadratic
 Method Name: Z:\svoasrv\HPCHEM1\BNA N\Methods\8270-SIM-BN031025.M
 Calibration Table Last Updated: Mon Mar 10 16:06:28 2025

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN031025\
 Data File : BN036557.D
 Acq On : 10 Mar 2025 11:42
 Operator : RC/JU
 Sample : SSTDICC0.1
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :

BNA_N

ClientSampleId :

SSTDICC0.1

Manual Integrations

APPROVED

Reviewed By :Anahy Claudio 03/11/2025

Supervised By :Jagrut Upadhyay 03/11/2025

Quant Time: Mar 10 16:00:30 2025

Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN031025.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Mon Mar 10 15:54:23 2025

Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.724	152	2755	0.400	ng	0.00
7) Naphthalene-d8	10.509	136	6575	0.400	ng	0.00
13) Acenaphthene-d10	14.366	164	3958	0.400	ng	0.00
19) Phenanthrene-d10	17.111	188	8269	0.400	ng	0.00
29) Chrysene-d12	21.295	240	5886	0.400	ng	0.00
35) Perylene-d12	23.554	264	5207	0.400	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.312	112	641	0.100	ng	0.00
5) Phenol-d6	6.901	99	856	0.108	ng	0.00
8) Nitrobenzene-d5	8.875	82	940	0.131	ng	0.00
11) 2-Methylnaphthalene-d10	12.111	152	1079	0.110	ng	0.00
14) 2,4,6-Tribromophenol	15.858	330	179	0.100	ng	0.00
15) 2-Fluorobiphenyl	12.993	172	2185	0.095	ng	0.00
27) Fluoranthene-d10	19.141	212	2144	0.101	ng	0.00
31) Terphenyl-d14	19.745	244	1416	0.100	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.247	88	299m	0.098	ng	
3) n-Nitrosodimethylamine	3.557	42	766	0.124	ng	# 95
6) bis(2-Chloroethyl)ether	7.154	93	982	0.120	ng	98
9) Naphthalene	10.562	128	2254	0.117	ng	# 94
10) Hexachlorobutadiene	10.850	225	486	0.107	ng	# 100
12) 2-Methylnaphthalene	12.187	142	1331	0.108	ng	96
16) Acenaphthylene	14.078	152	1862	0.100	ng	99
17) Acenaphthene	14.430	154	1244	0.102	ng	99
18) Fluorene	15.414	166	1612	0.097	ng	99
21) 4-Bromophenyl-phenylether	16.304	248	502	0.097	ng	95
22) Hexachlorobenzene	16.416	284	632	0.101	ng	98
23) Atrazine	16.578	200	400	0.096	ng	# 90
24) Pentachlorophenol	16.776	266	290	0.102	ng	98
25) Phenanthrene	17.148	178	2459	0.099	ng	99
26) Anthracene	17.248	178	2121	0.095	ng	100
28) Fluoranthene	19.174	202	2772	0.099	ng	97
30) Pyrene	19.536	202	2862	0.099	ng	100
32) Benzo(a)anthracene	21.286	228	2044	0.100	ng	94
33) Chrysene	21.331	228	2187	0.098	ng	93
34) Bis(2-ethylhexyl)phtha...	21.214	149	1760	0.121	ng	96
36) Indeno(1,2,3-cd)pyrene	25.841	276	1510	0.080	ng	98
37) Benzo(b)fluoranthene	22.876	252	1707	0.090	ng	# 62
38) Benzo(k)fluoranthene	22.923	252	1958	0.098	ng	# 62
39) Benzo(a)pyrene	23.458	252	1419	0.089	ng	# 51
40) Dibenzo(a,h)anthracene	25.861	278	1163	0.079	ng	# 59
41) Benzo(g,h,i)perylene	26.539	276	1482	0.089	ng	# 84

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

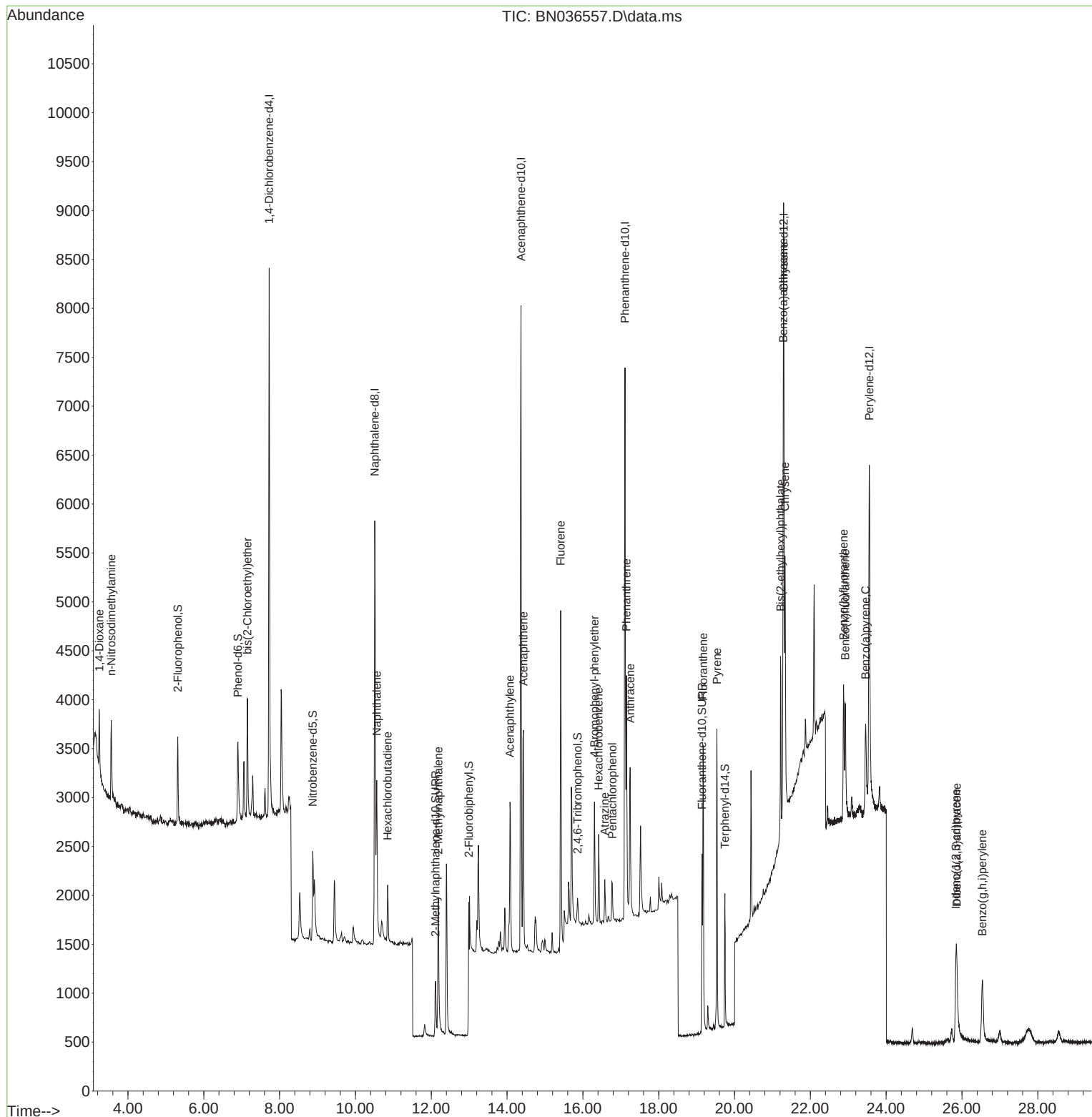
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Acq On : 10 Mar 2025 11:42
Operator : RC/JU
Sample : SSTDICC0.1
Misc :
ALS Vial : 2 Sample Multiplier: 1

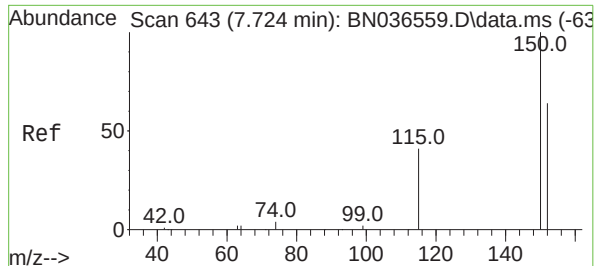
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BNA_N
ClientSampleId :
SSTDICC0.1

Quant Time: Mar 10 16:00:30 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN031025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Mar 10 15:54:23 2025
Response via : Initial Calibration

Manual Integrations
APPROVED

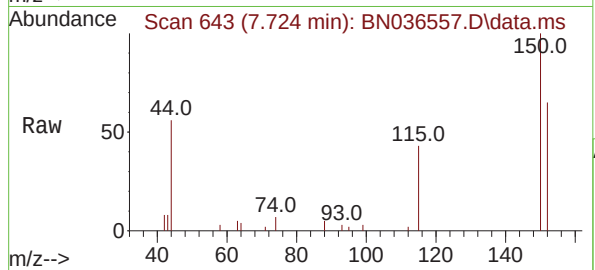
Reviewed By :Anahy Claudio 03/11/2025
Supervised By :Jagrut Upadhyay 03/11/2025





#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.724 min Scan# 64
Delta R.T. 0.000 min
Lab File: BN036557.D
Acq: 10 Mar 2025 11:42

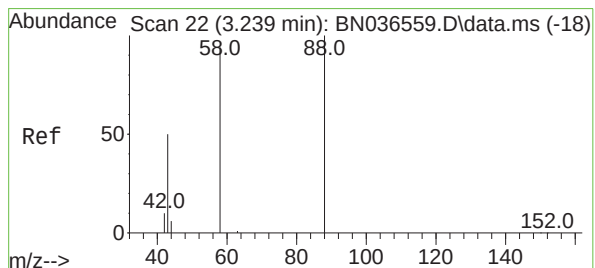
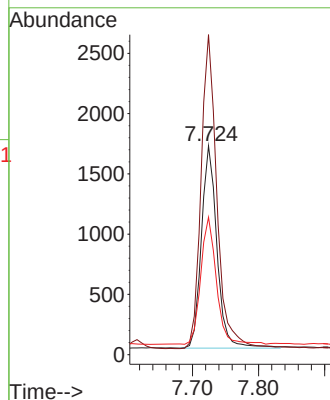
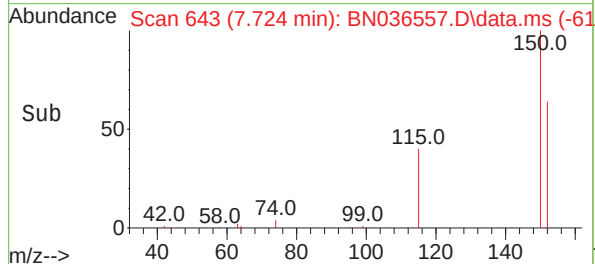
Instrument :
BNA_N
ClientSampleId :
SSTDICC0.1



Tgt Ion:152 Resp: 275
Ion Ratio Lower Upper
152 100
150 153.3 123.7 185.5
115 65.8 54.3 81.5

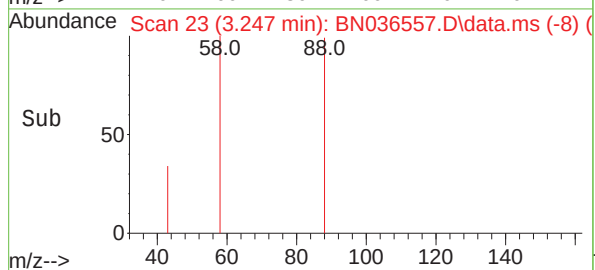
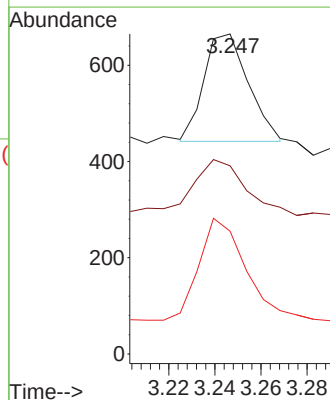
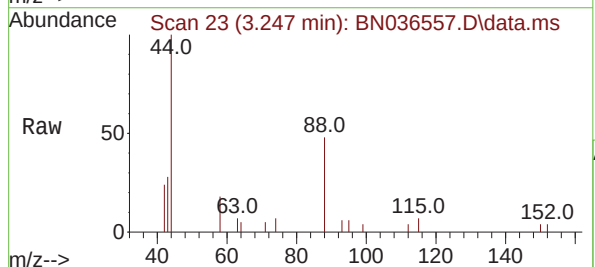
Manual Integrations
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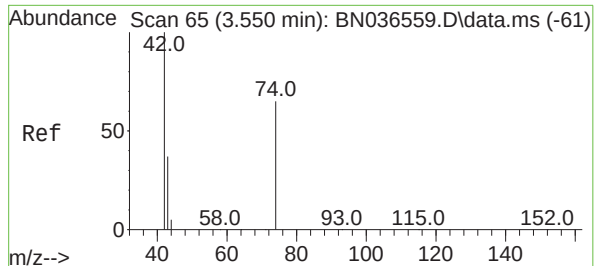
Reviewed By :Anahy Claudio 03/11/2025
Supervised By :Jagrut Upadhyay 03/11/2025



#2
1,4-Dioxane
Concen: 0.098 ng m
RT: 3.247 min Scan# 23
Delta R.T. 0.007 min
Lab File: BN036557.D
Acq: 10 Mar 2025 11:42

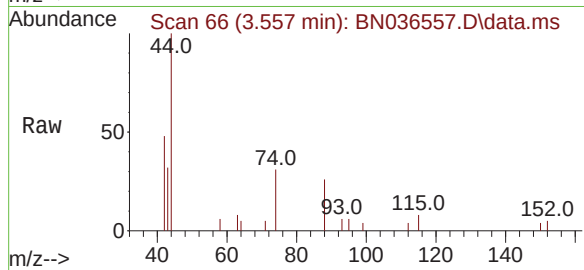
Tgt Ion: 88 Resp: 299
Ion Ratio Lower Upper
88 100
43 94.6 37.8 56.8#
58 102.3 67.4 101.2#





#3
n-Nitrosodimethylamine
Concen: 0.124 ng
RT: 3.557 min Scan# 61
Delta R.T. 0.007 min
Lab File: BN036557.D
Acq: 10 Mar 2025 11:42

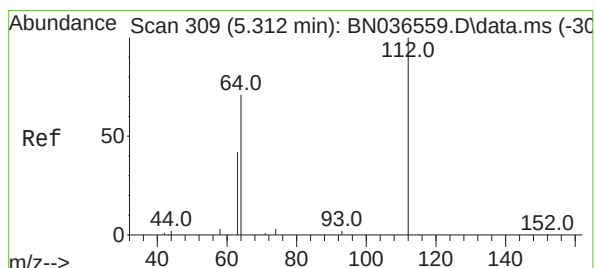
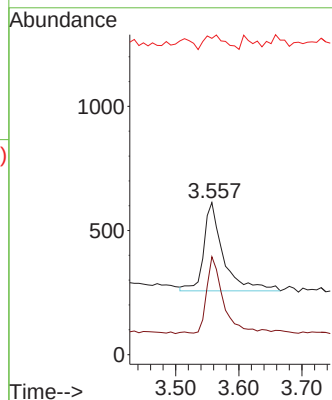
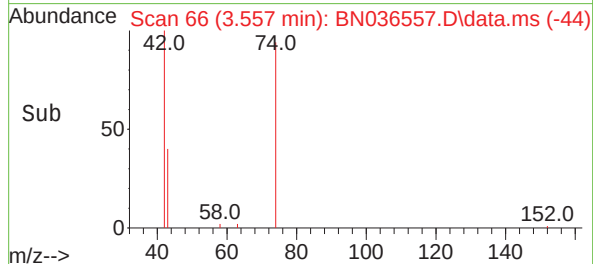
Instrument :
BNA_N
ClientSampleId :
SSTDICC0.1



Tgt Ion: 42 Resp: 760
Ion Ratio Lower Upper
42 100
74 73.0 60.6 90.8
44 16.6 6.3 9.5

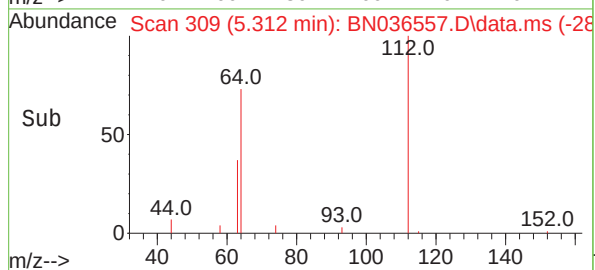
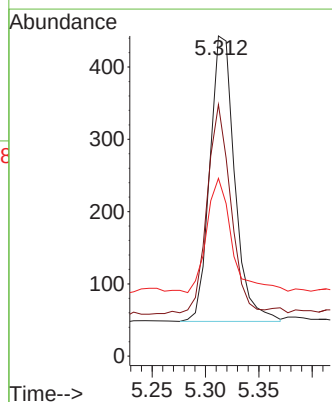
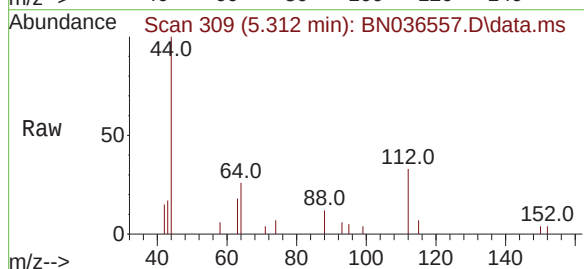
Manual Integrations
APPROVED

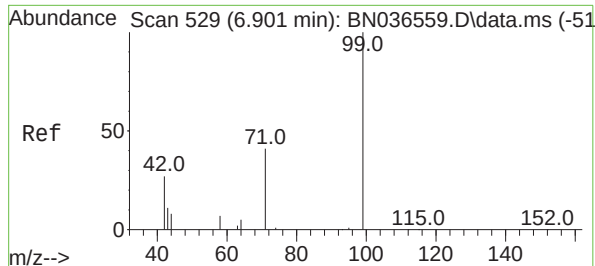
Reviewed By :Anahy Claudio 03/11/2025
Supervised By :Jagrut Upadhyay 03/11/2025



#4
2-Fluorophenol
Concen: 0.100 ng
RT: 5.312 min Scan# 309
Delta R.T. 0.000 min
Lab File: BN036557.D
Acq: 10 Mar 2025 11:42

Tgt Ion:112 Resp: 641
Ion Ratio Lower Upper
112 100
64 70.4 53.1 79.7
63 40.9 31.8 47.8





#5

Phenol-d6

Concen: 0.108 ng

RT: 6.901 min Scan# 51

Delta R.T. 0.000 min

Lab File: BN036557.D

Acq: 10 Mar 2025 11:42

Instrument :

BNA_N

ClientSampleId :

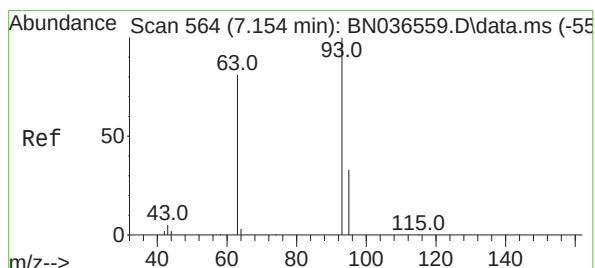
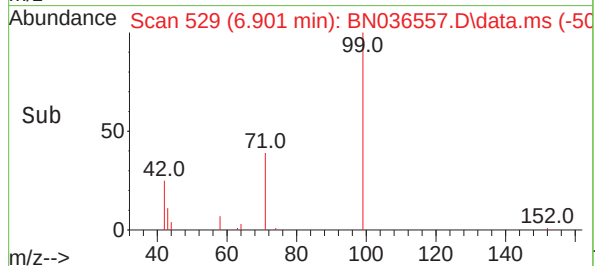
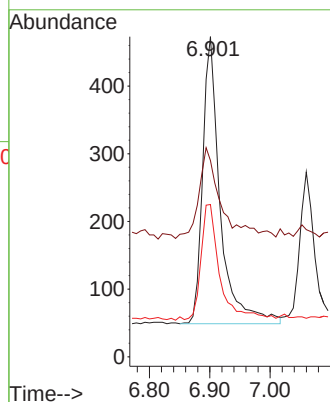
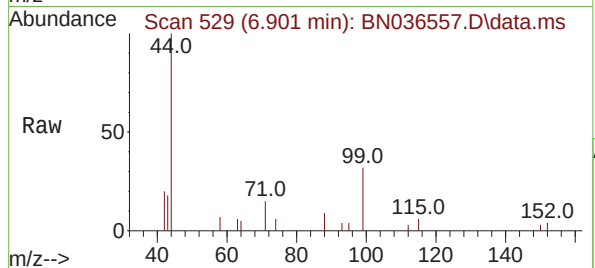
SSTDICC0.1

Tgt Ion:	99	Resp:	850
Ion	Ratio	Lower	Upper
99	100		
42	39.8	26.5	39.7
71	42.8	34.1	51.1

Manual Integrations

APPROVED

Reviewed By :Anahy Claudio 03/11/2025
Supervised By :Jagrut Upadhyay 03/11/2025



#6

bis(2-Chloroethyl)ether

Concen: 0.120 ng

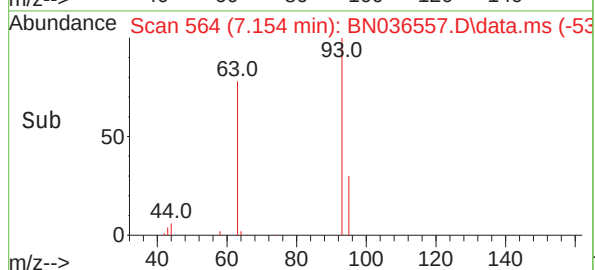
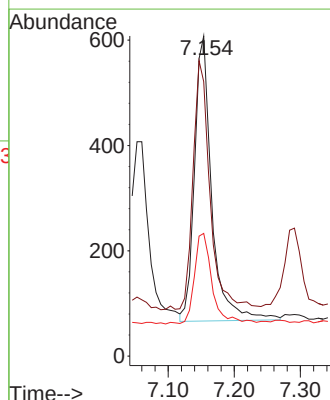
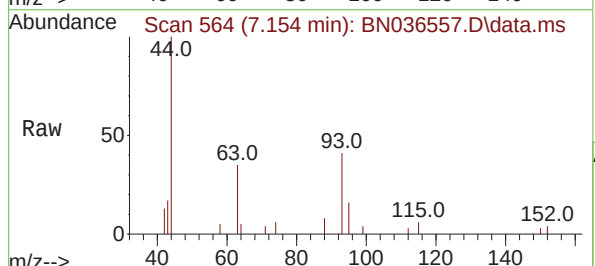
RT: 7.154 min Scan# 564

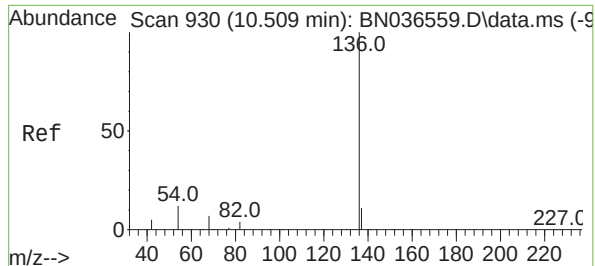
Delta R.T. 0.000 min

Lab File: BN036557.D

Acq: 10 Mar 2025 11:42

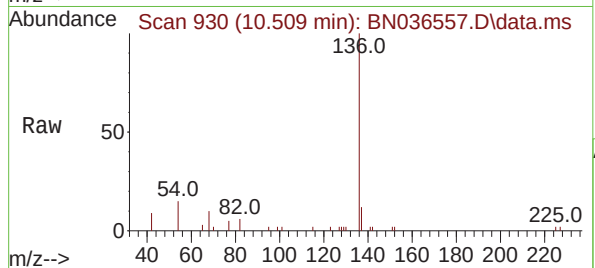
Tgt Ion:	93	Resp:	982
Ion	Ratio	Lower	Upper
93	100		
63	86.7	67.7	101.5
95	33.0	25.6	38.4





#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.509 min Scan# 930
Delta R.T. 0.000 min
Lab File: BN036557.D
Acq: 10 Mar 2025 11:42

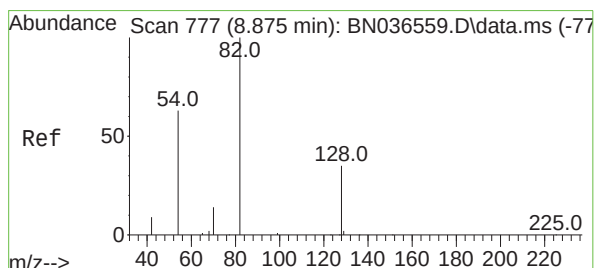
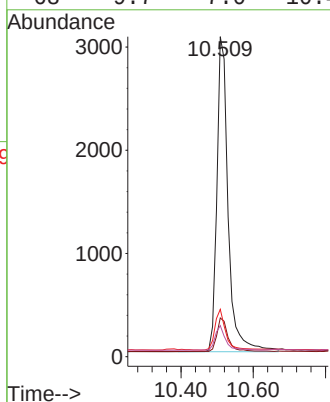
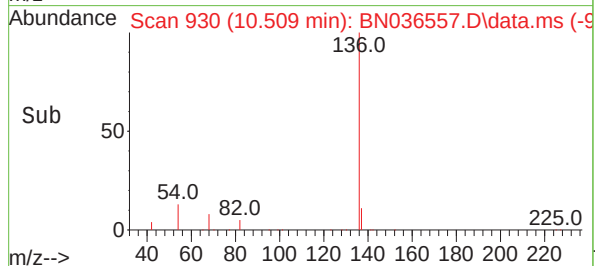
Instrument :
BNA_N
ClientSampleId :
SSTDICC0.1



Tgt Ion:136 Resp: 6579
Ion Ratio Lower Upper
136 100
137 12.1 10.3 15.5
54 14.8 11.5 17.3
68 9.7 7.0 10.4

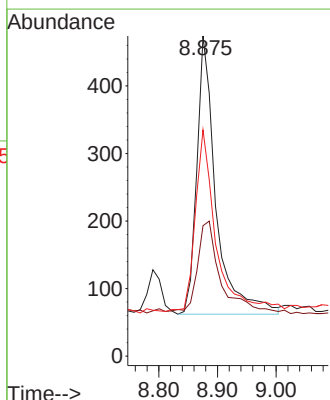
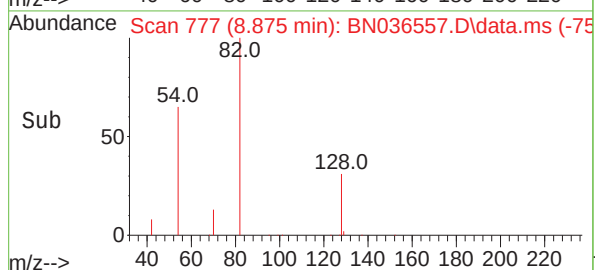
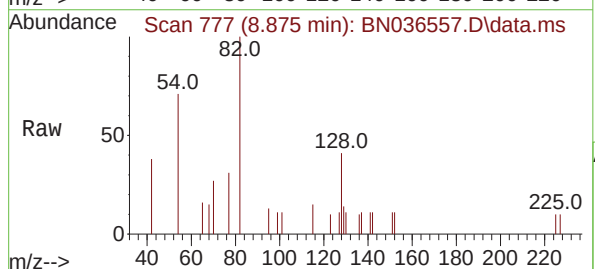
Manual Integrations
APPROVED

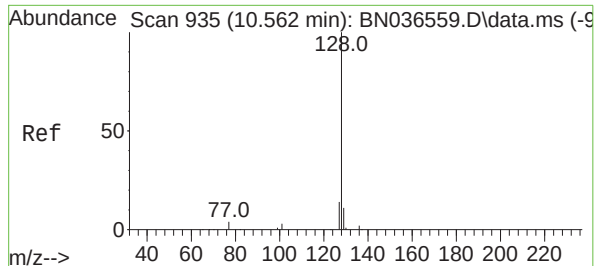
Reviewed By :Anahy Claudio 03/11/2025
Supervised By :Jagrut Upadhyay 03/11/2025



#8
Nitrobenzene-d5
Concen: 0.131 ng
RT: 8.875 min Scan# 777
Delta R.T. 0.000 min
Lab File: BN036557.D
Acq: 10 Mar 2025 11:42

Tgt Ion: 82 Resp: 940
Ion Ratio Lower Upper
82 100
128 40.7 30.6 45.8
54 70.7 52.2 78.4





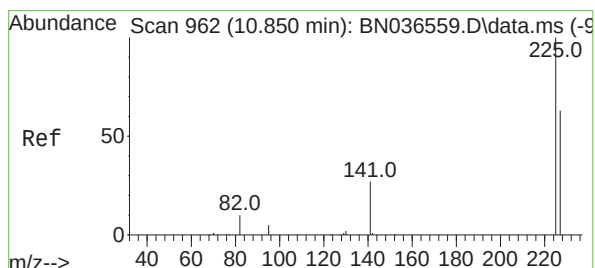
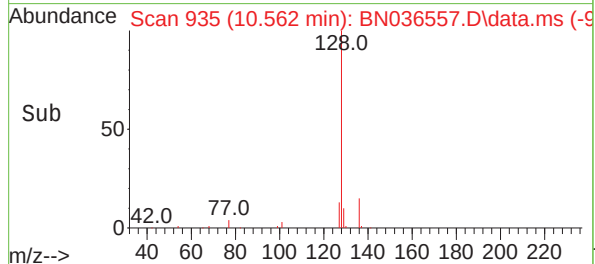
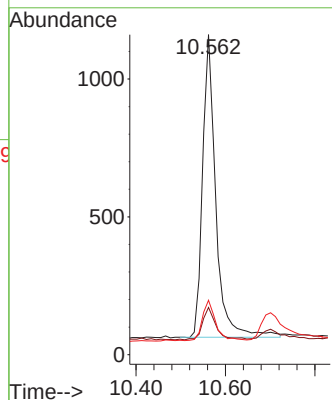
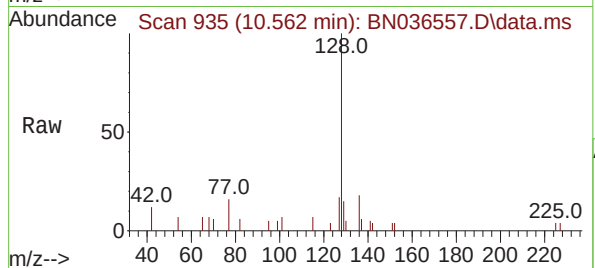
#9
Naphthalene
Concen: 0.117 ng
RT: 10.562 min Scan# 935
Delta R.T. 0.000 min
Lab File: BN036557.D
Acq: 10 Mar 2025 11:42

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.1

Tgt Ion:128 Resp: 225
Ion Ratio Lower Upper
128 100
129 14.7 9.8 14.6
127 17.0 11.8 17.8

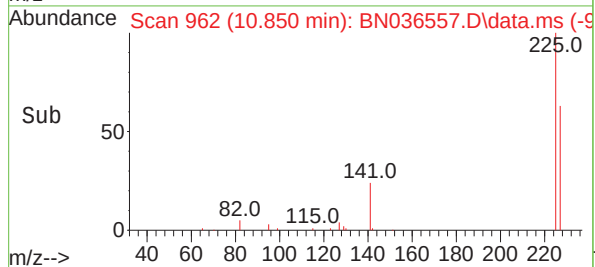
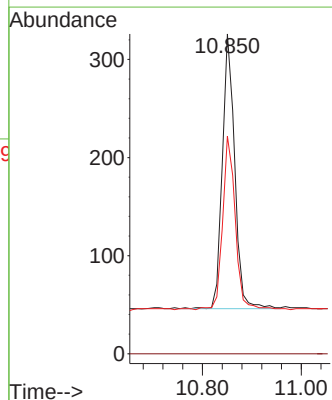
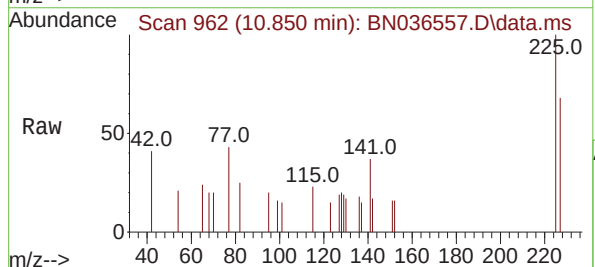
Manual Integrations
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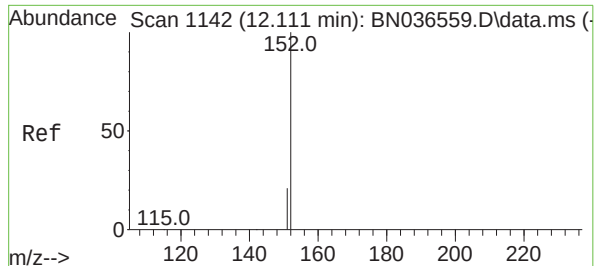
Reviewed By :Anahy Claudio 03/11/2025
Supervised By :Jagrut Upadhyay 03/11/2025



#10
Hexachlorobutadiene
Concen: 0.107 ng
RT: 10.850 min Scan# 962
Delta R.T. 0.000 min
Lab File: BN036557.D
Acq: 10 Mar 2025 11:42

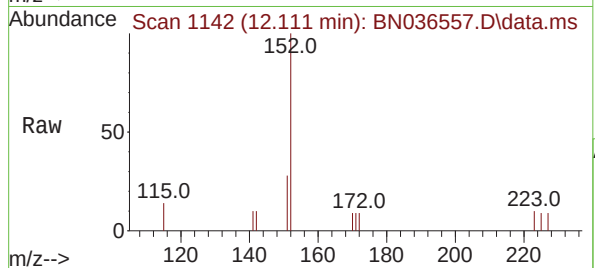
Tgt Ion:225 Resp: 486
Ion Ratio Lower Upper
225 100
223 0.0 0.0 0.0
227 64.8 51.8 77.8





#11
2-Methylnaphthalene-d10
Concen: 0.110 ng
RT: 12.111 min Scan# 1142
Delta R.T. 0.000 min
Lab File: BN036557.D
Acq: 10 Mar 2025 11:42

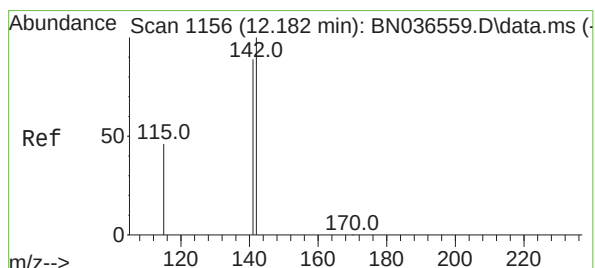
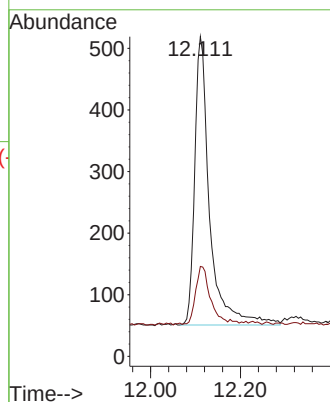
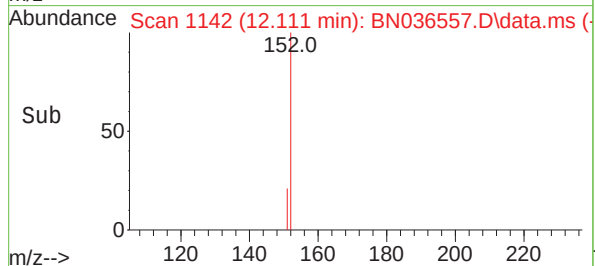
Instrument :
BNA_N
ClientSampleId :
SSTDICC0.1



Tgt Ion:152 Resp: 1079
Ion Ratio Lower Upper
152 100
151 19.5 17.0 25.6

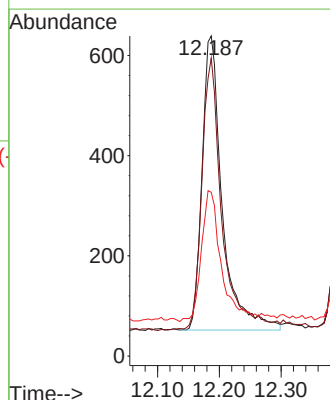
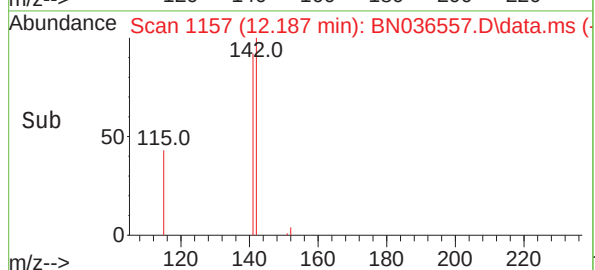
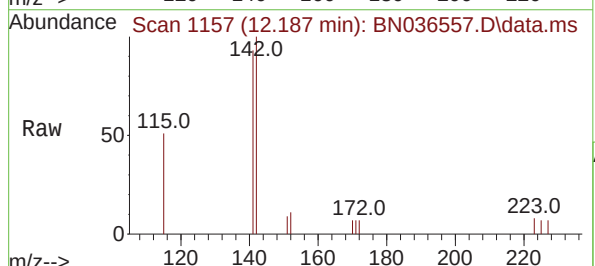
Manual Integrations
APPROVED

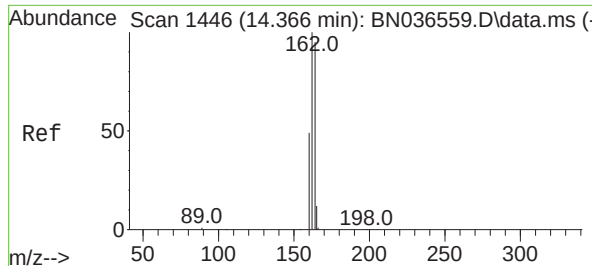
Reviewed By :Anahy Claudio 03/11/2025
Supervised By :Jagrut Upadhyay 03/11/2025



#12
2-Methylnaphthalene
Concen: 0.108 ng
RT: 12.187 min Scan# 1157
Delta R.T. 0.005 min
Lab File: BN036557.D
Acq: 10 Mar 2025 11:42

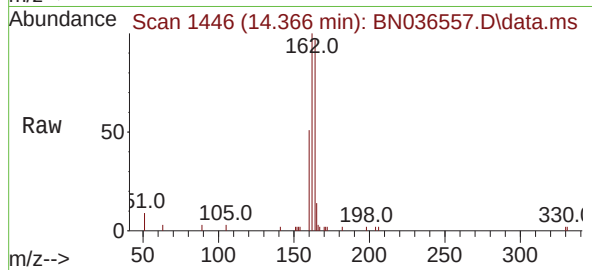
Tgt Ion:142 Resp: 1331
Ion Ratio Lower Upper
142 100
141 93.1 71.7 107.5
115 51.2 38.3 57.5





#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.366 min Scan# 1446
Delta R.T. 0.000 min
Lab File: BN036557.D
Acq: 10 Mar 2025 11:42

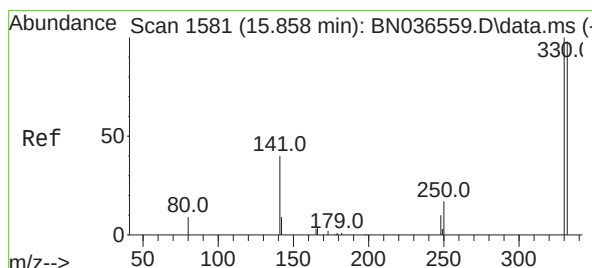
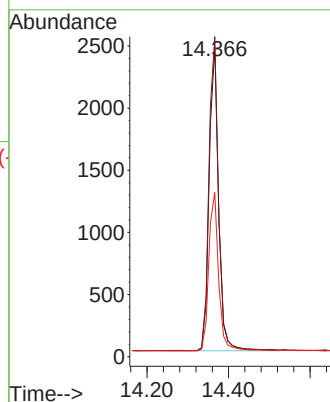
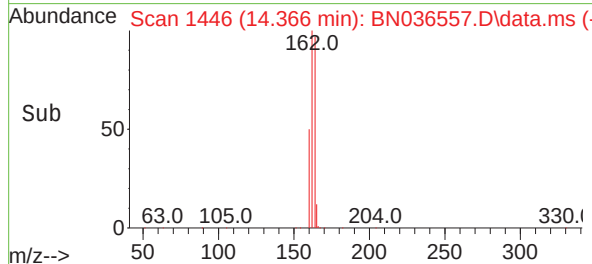
Instrument :
BNA_N
ClientSampleId :
SSTDICC0.1



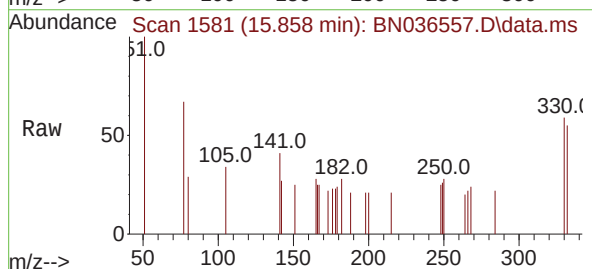
Tgt Ion:164 Resp: 395
Ion Ratio Lower Upper
164 100
162 103.3 84.2 126.2
160 53.0 42.2 63.2

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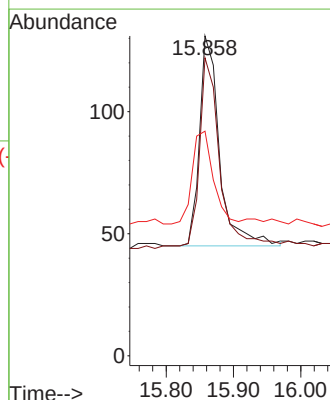
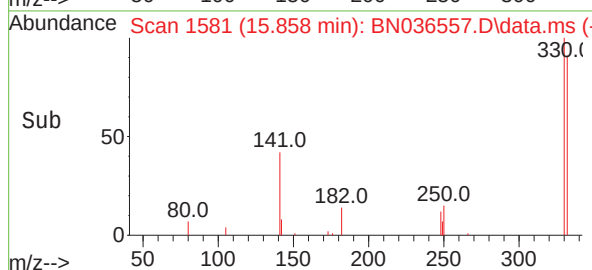
Reviewed By :Anahy Claudio 03/11/2025
Supervised By :Jagrut Upadhyay 03/11/2025

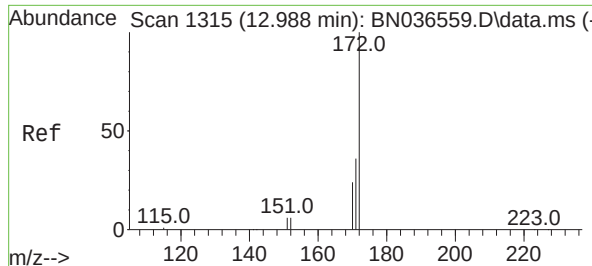


#14
2,4,6-Tribromophenol
Concen: 0.100 ng
RT: 15.858 min Scan# 1581
Delta R.T. 0.000 min
Lab File: BN036557.D
Acq: 10 Mar 2025 11:42



Tgt Ion:330 Resp: 179
Ion Ratio Lower Upper
330 100
332 96.1 75.2 112.8
141 46.4 43.4 65.2





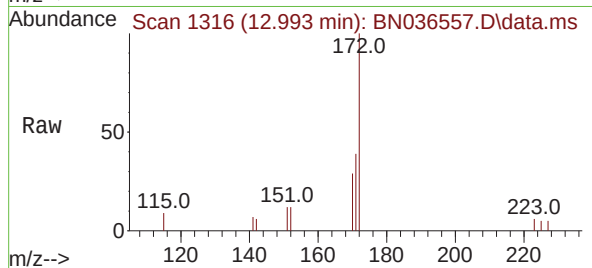
#15
2-Fluorobiphenyl
Concen: 0.095 ng
RT: 12.993 min Scan# 1316
Delta R.T. 0.005 min
Lab File: BN036557.D
Acq: 10 Mar 2025 11:42

Instrument :

BNA_N

ClientSampleId :

SSTDICC0.1

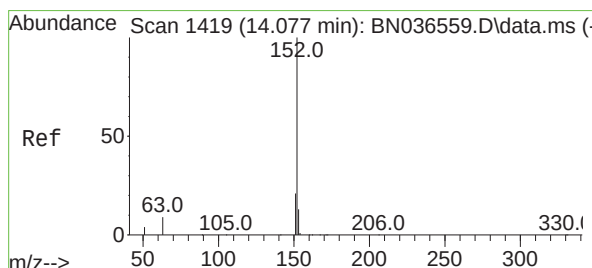
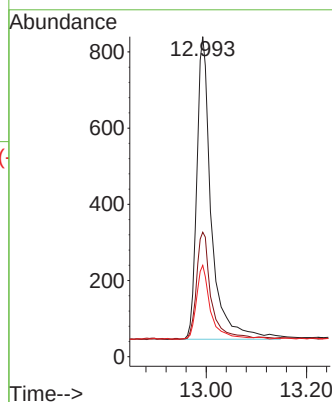
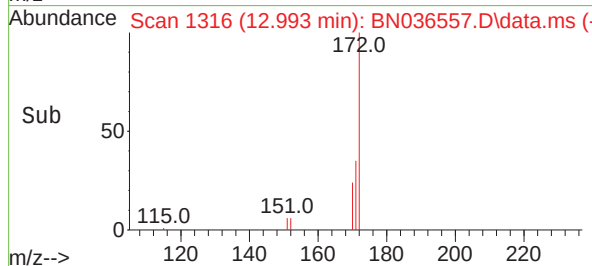


Tgt Ion:172 Resp: 2184
Ion Ratio Lower Upper
172 100
171 38.9 29.5 44.3
170 28.6 20.2 30.4

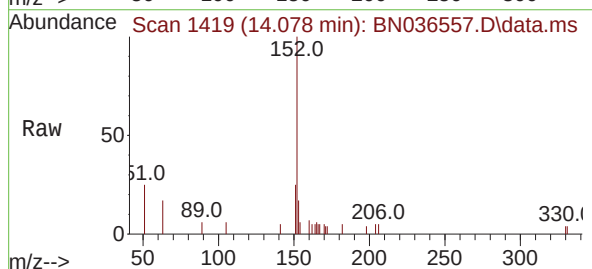
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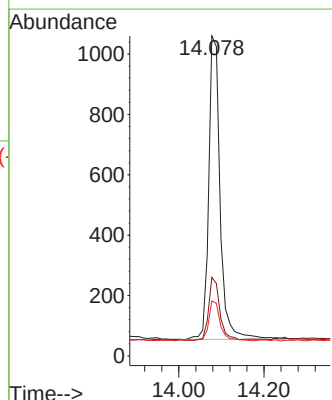
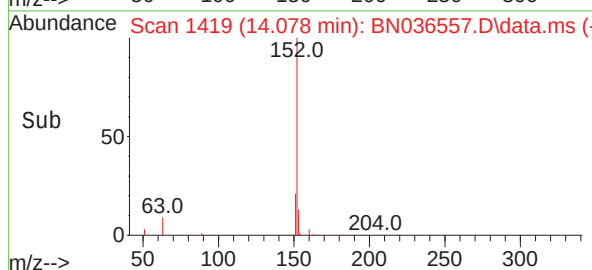
Reviewed By :Anahy Claudio 03/11/2025
Supervised By :Jagrut Upadhyay 03/11/2025

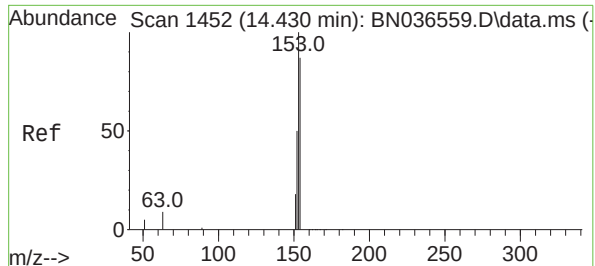


#16
Acenaphthylene
Concen: 0.100 ng
RT: 14.078 min Scan# 1419
Delta R.T. 0.000 min
Lab File: BN036557.D
Acq: 10 Mar 2025 11:42



Tgt Ion:152 Resp: 1862
Ion Ratio Lower Upper
152 100
151 20.2 16.2 24.4
153 14.1 10.6 15.8





#17

Acenaphthene

Concen: 0.102 ng

RT: 14.430 min Scan# 1452

Delta R.T. 0.000 min

Lab File: BN036557.D

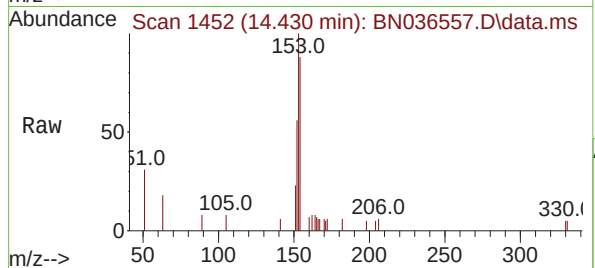
Acq: 10 Mar 2025 11:42

Instrument :

BNA_N

ClientSampleId :

SSTDICC0.1

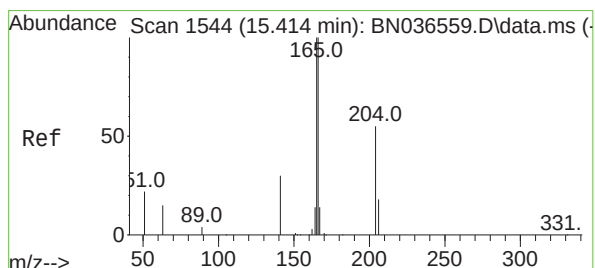
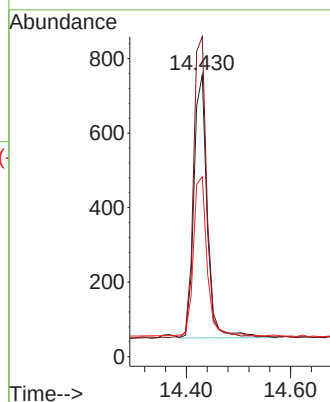
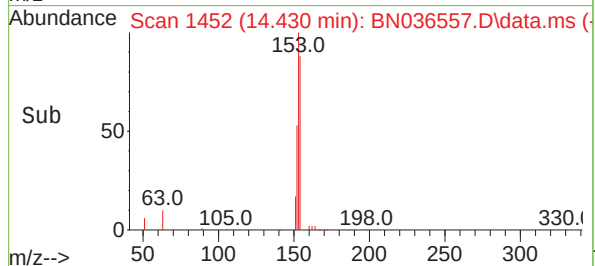


Tgt Ion:	154	Resp:	124
Ion Ratio	Lower	Upper	
154	100		
153	115.9	94.1	141.1
152	62.5	49.8	74.6

Manual Integrations

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Supervised By :Jagrut Upadhyay 03/11/2025



#18

Fluorene

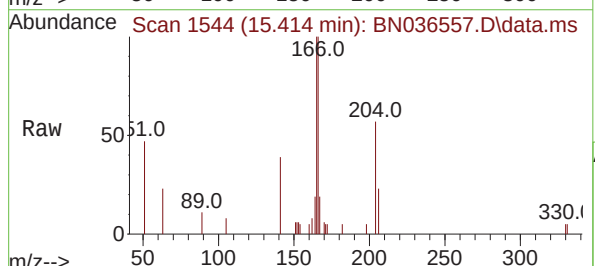
Concen: 0.097 ng

RT: 15.414 min Scan# 1544

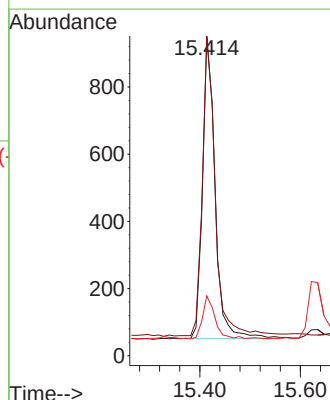
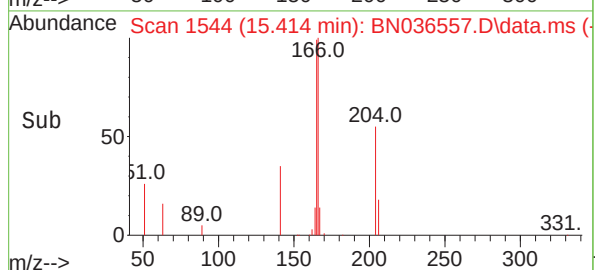
Delta R.T. 0.000 min

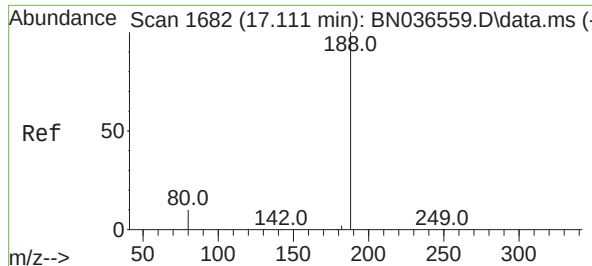
Lab File: BN036557.D

Acq: 10 Mar 2025 11:42



Tgt Ion:	166	Resp:	1612
Ion Ratio	Lower	Upper	
166	100		
165	100.9	79.8	119.8
167	13.9	10.6	15.8





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 17.111 min Scan# 1682

Delta R.T. 0.000 min

Lab File: BN036557.D

Acq: 10 Mar 2025 11:42

Instrument :

BNA_N

ClientSampleId :

SSTDICC0.1

Tgt Ion:188 Resp: 826

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

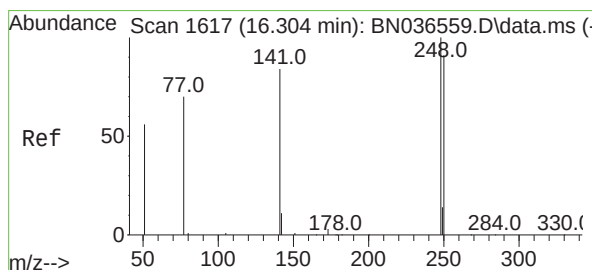
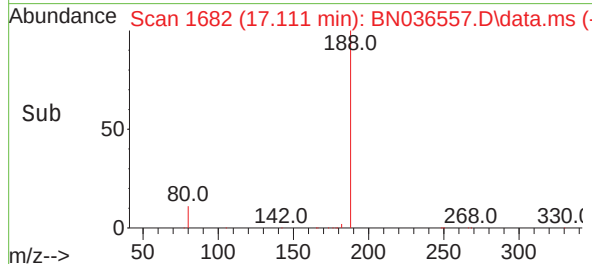
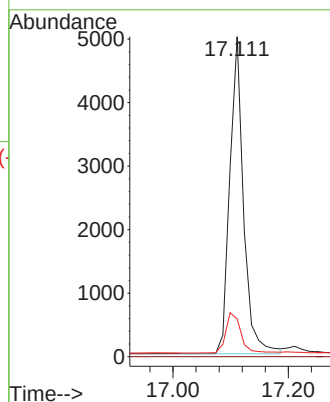
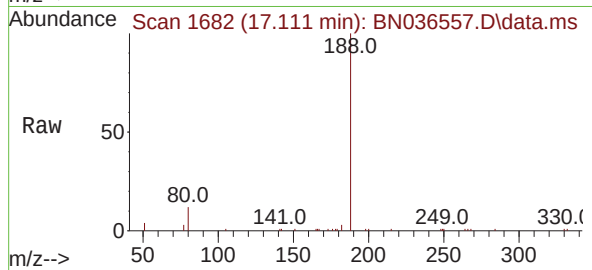
80 11.8 8.8 13.2

Manual Integrations

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Reviewed By :Anahy Claudio 03/11/2025

Supervised By :Jagrut Upadhyay 03/11/2025



#21

4-Bromophenyl-phenylether

Concen: 0.097 ng

RT: 16.304 min Scan# 1617

Delta R.T. 0.000 min

Lab File: BN036557.D

Acq: 10 Mar 2025 11:42

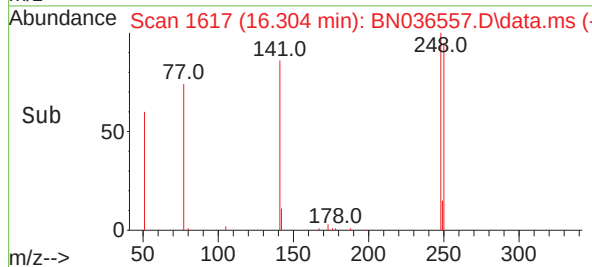
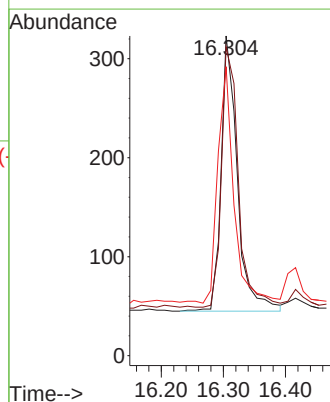
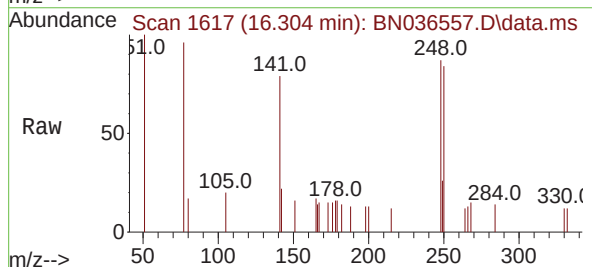
Tgt Ion:248 Resp: 502

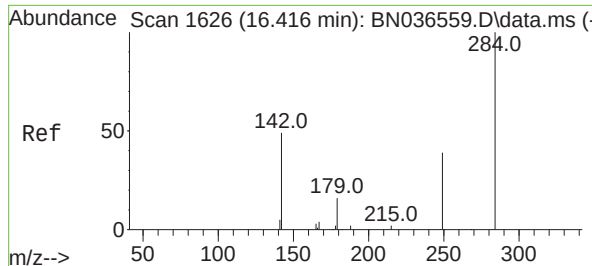
Ion Ratio Lower Upper

248 100

250 96.6 73.0 109.6

141 90.4 68.6 103.0





#22

Hexachlorobenzene

Concen: 0.101 ng

RT: 16.416 min Scan# 1626

Delta R.T. 0.000 min

Lab File: BN036557.D

Acq: 10 Mar 2025 11:42

Instrument :

BNA_N

ClientSampleId :

SSTDICC0.1

Tgt Ion:284 Resp: 632

Ion Ratio Lower Upper

284 100

142 45.7 37.0 55.4

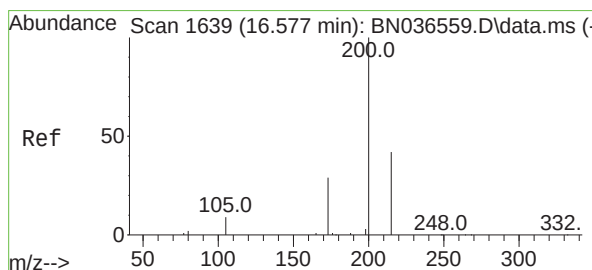
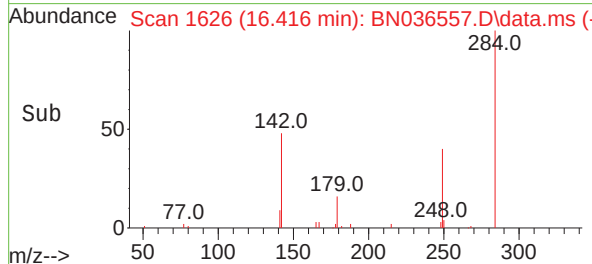
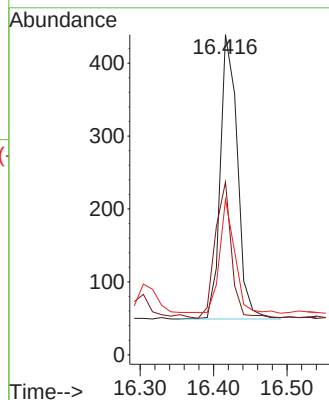
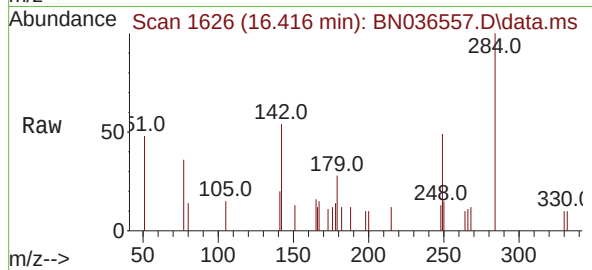
249 37.2 28.1 42.1

Manual Integrations

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Reviewed By :Anahy Claudio 03/11/2025

Supervised By :Jagrut Upadhyay 03/11/2025



#23

Atrazine

Concen: 0.096 ng

RT: 16.578 min Scan# 1639

Delta R.T. 0.000 min

Lab File: BN036557.D

Acq: 10 Mar 2025 11:42

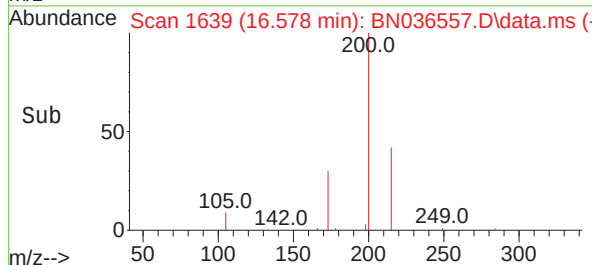
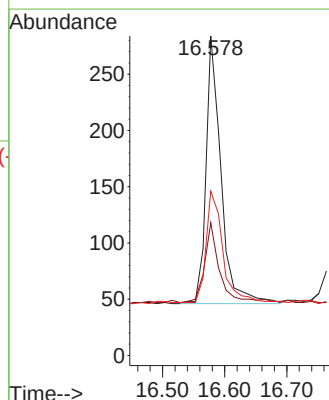
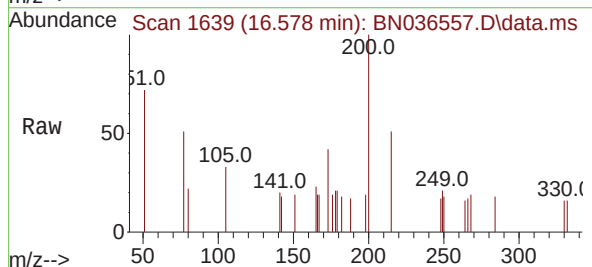
Tgt Ion:200 Resp: 400

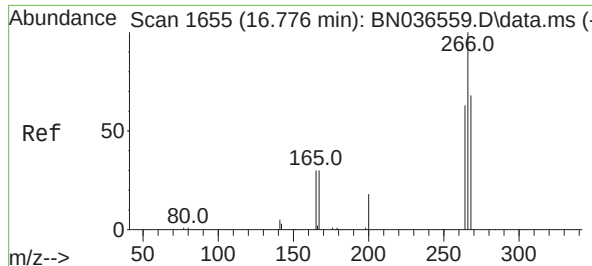
Ion Ratio Lower Upper

200 100

173 41.5 27.3 40.9#

215 51.4 36.8 55.2





#24

Pentachlorophenol

Concen: 0.102 ng

RT: 16.776 min Scan# 1655

Delta R.T. 0.000 min

Lab File: BN036557.D

Acq: 10 Mar 2025 11:42

Instrument :

BNA_N

ClientSampleId :

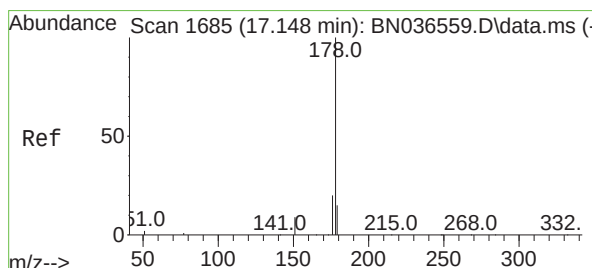
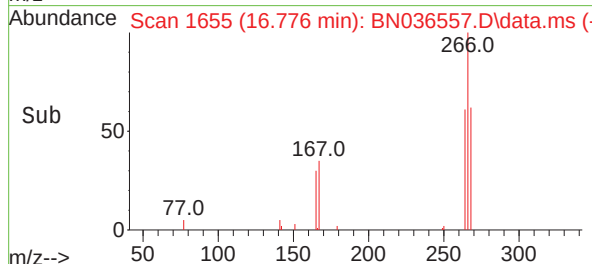
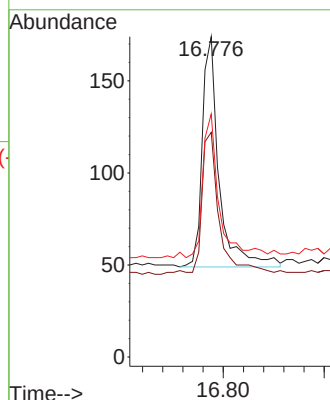
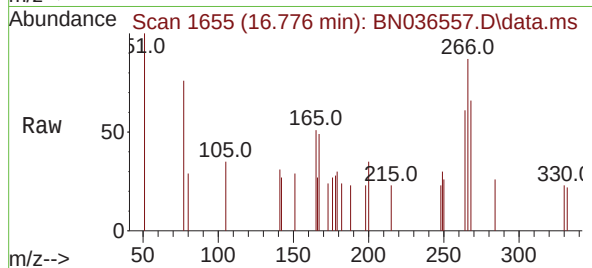
SSTDICC0.1

Tgt Ion:	266	Resp:	290
Ion Ratio	Lower	Upper	
266	100		
264	64.8	49.6	74.4
268	62.8	50.9	76.3

Manual Integrations

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Reviewed By :Anahy Claudio 03/11/2025
Supervised By :Jagrut Upadhyay 03/11/2025



#25

Phenanthrene

Concen: 0.099 ng

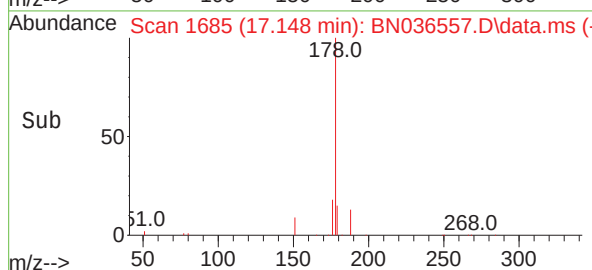
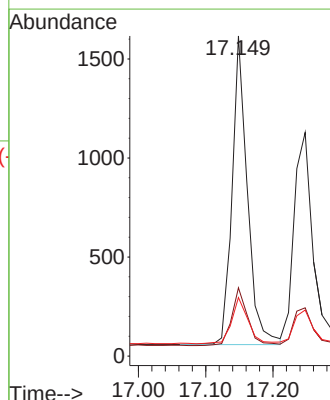
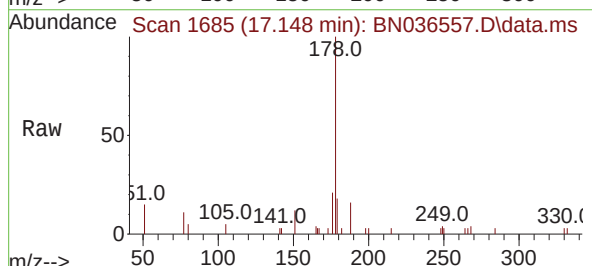
RT: 17.148 min Scan# 1685

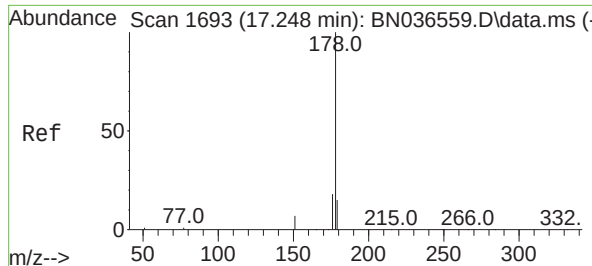
Delta R.T. 0.000 min

Lab File: BN036557.D

Acq: 10 Mar 2025 11:42

Tgt Ion:	178	Resp:	2459
Ion Ratio	Lower	Upper	
178	100		
176	19.6	15.9	23.9
179	16.1	12.2	18.4





#26

Anthracene

Concen: 0.095 ng

RT: 17.248 min Scan# 1693

Delta R.T. 0.000 min

Lab File: BN036557.D

Acq: 10 Mar 2025 11:42

Instrument :

BNA_N

ClientSampleId :

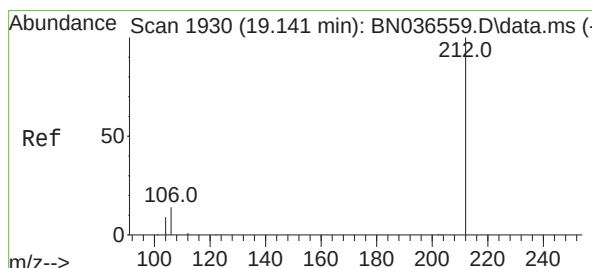
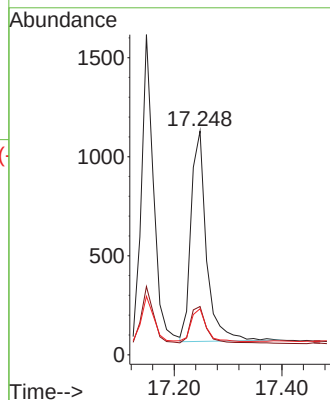
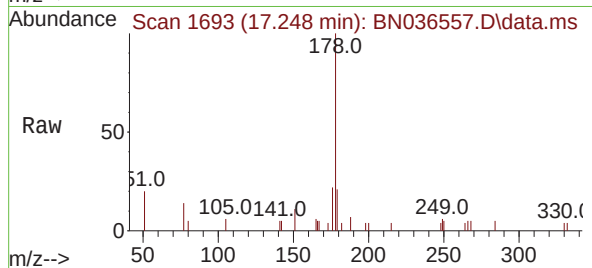
SSTDICC0.1

Tgt Ion:	178	Resp:	212
Ion Ratio	Lower	Upper	
178	100		
176	19.3	15.4	23.2
179	15.7	12.6	18.8

Manual Integrations

APPROVED

Reviewed By :Anahy Claudio 03/11/2025
Supervised By :Jagrut Upadhyay 03/11/2025



#27

Fluoranthene-d10

Concen: 0.101 ng

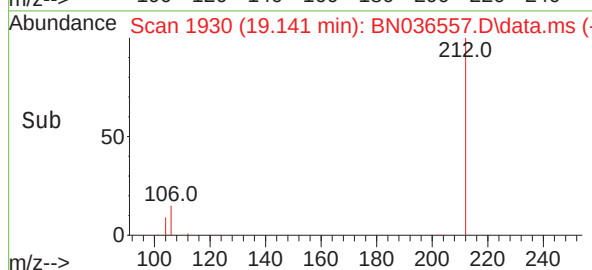
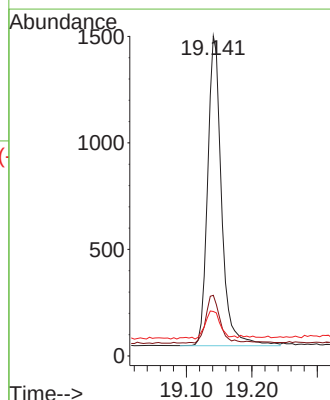
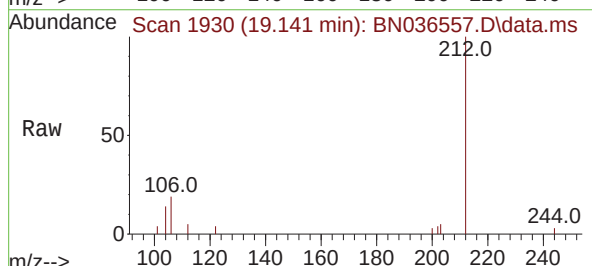
RT: 19.141 min Scan# 1930

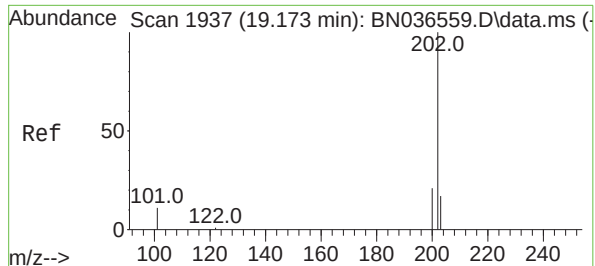
Delta R.T. 0.000 min

Lab File: BN036557.D

Acq: 10 Mar 2025 11:42

Tgt Ion:	212	Resp:	2144
Ion Ratio	Lower	Upper	
212	100		
106	15.5	11.8	17.6
104	9.7	7.3	10.9





#28

Fluoranthene

Concen: 0.099 ng

RT: 19.174 min Scan# 1937

Delta R.T. 0.000 min

Lab File: BN036557.D

Acq: 10 Mar 2025 11:42

Instrument :

BNA_N

ClientSampleId :

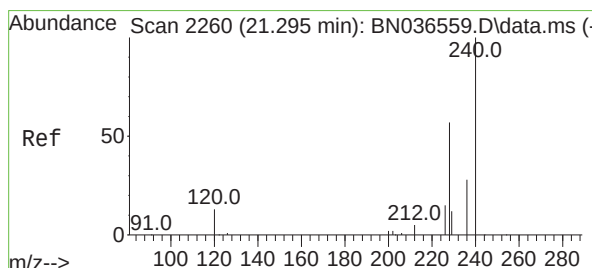
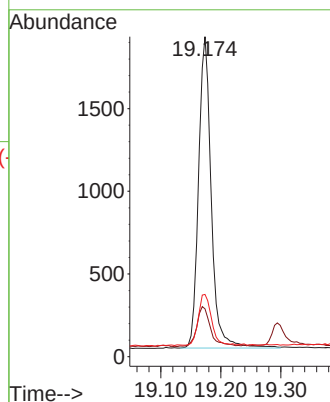
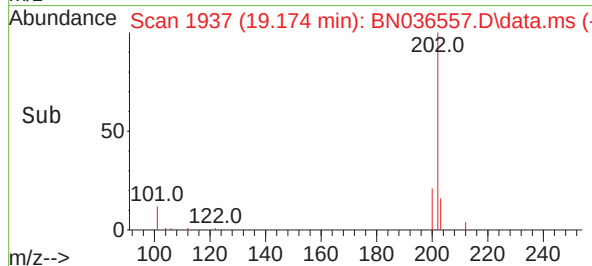
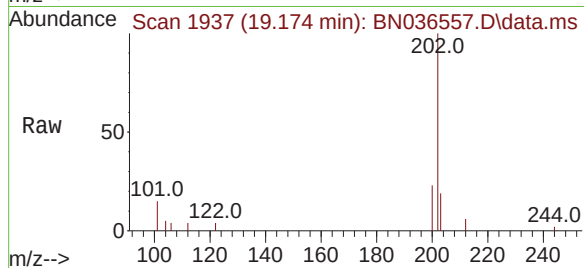
SSTDICC0.1

Tgt Ion:	202	Resp:	277
Ion Ratio	Lower	Upper	
202	100		
101	14.0	9.4	14.0
203	17.0	13.5	20.3

Manual Integrations

APPROVED

Reviewed By :Anahy Claudio 03/11/2025
Supervised By :Jagrut Upadhyay 03/11/2025



#29

Chrysene-d12

Concen: 0.400 ng

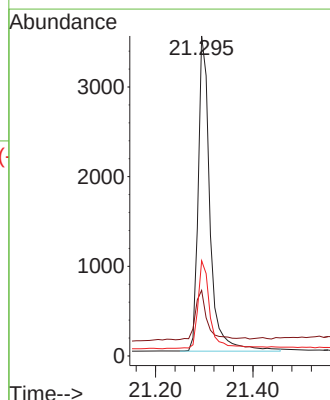
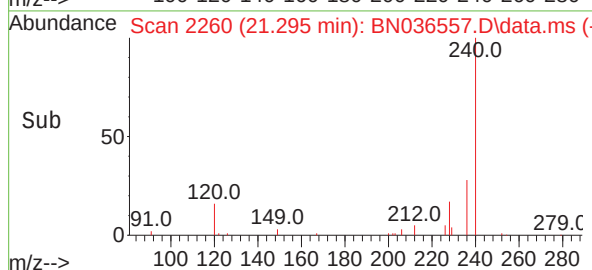
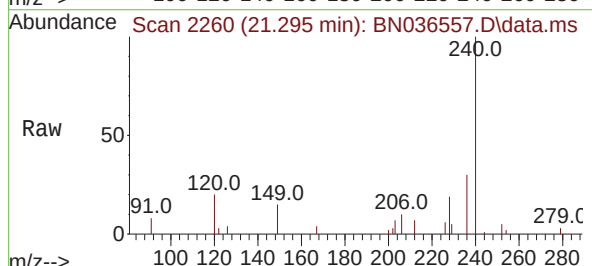
RT: 21.295 min Scan# 2260

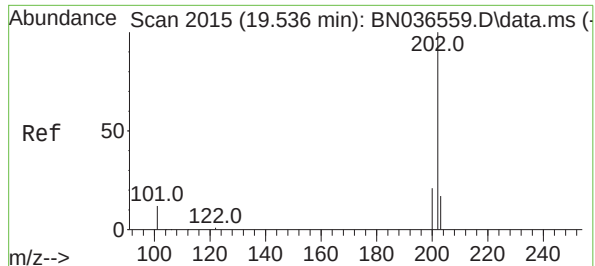
Delta R.T. 0.000 min

Lab File: BN036557.D

Acq: 10 Mar 2025 11:42

Tgt Ion:	240	Resp:	5886
Ion Ratio	Lower	Upper	
240	100		
120	20.5	14.6	22.0
236	29.8	24.1	36.1





#30

Pyrene

Concen: 0.099 ng

RT: 19.536 min Scan# 2015

Delta R.T. 0.000 min

Lab File: BN036557.D

Acq: 10 Mar 2025 11:42

Instrument :

BNA_N

ClientSampleId :

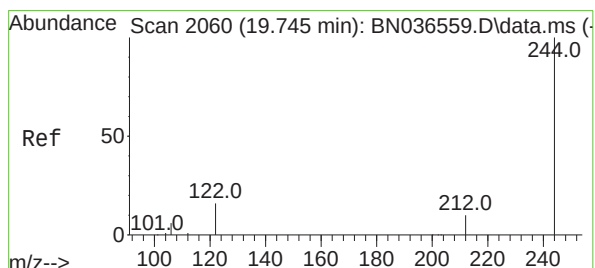
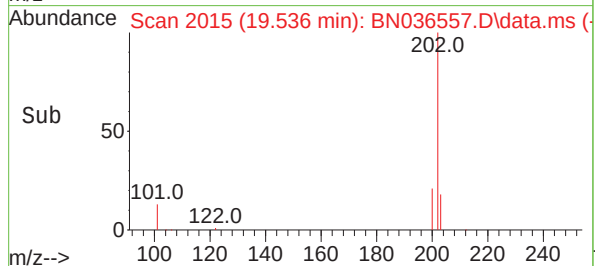
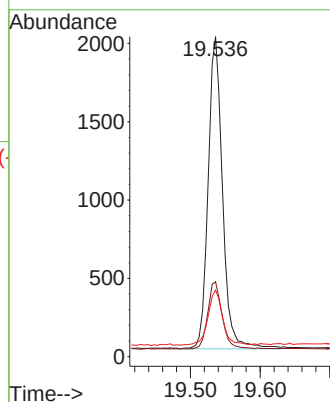
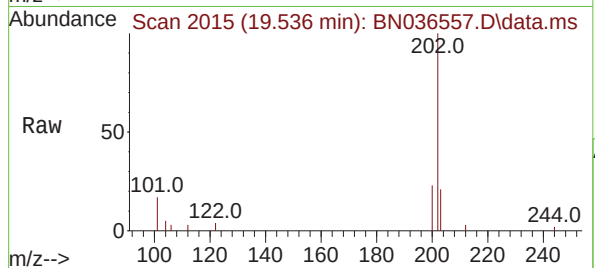
SSTDICC0.1

Tgt Ion:	202	Resp:	286
Ion Ratio	Lower	Upper	
202	100		
200	21.3	17.1	25.7
203	17.9	14.1	21.1

Manual Integrations

APPROVED

Reviewed By :Anahy Claudio 03/11/2025
Supervised By :Jagrut Upadhyay 03/11/2025



#31

Terphenyl-d14

Concen: 0.100 ng

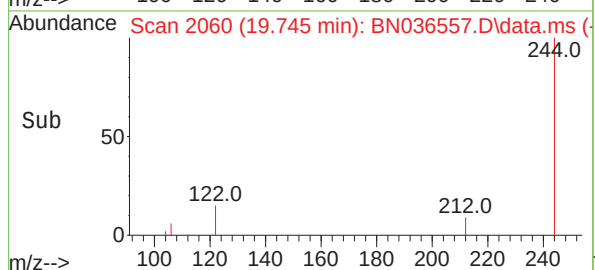
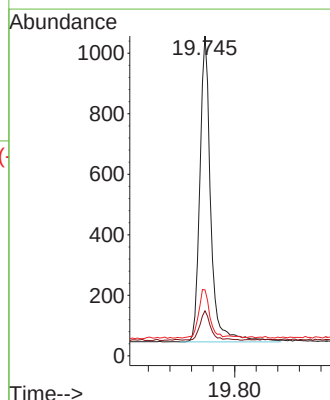
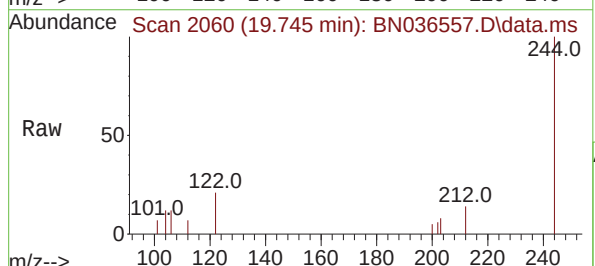
RT: 19.745 min Scan# 2060

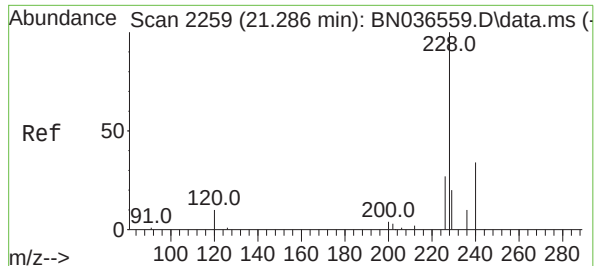
Delta R.T. 0.000 min

Lab File: BN036557.D

Acq: 10 Mar 2025 11:42

Tgt Ion:	244	Resp:	1416
Ion Ratio	Lower	Upper	
244	100		
212	14.1	9.6	14.4
122	20.6	13.9	20.9





#32

Benzo(a)anthracene

Concen: 0.100 ng

RT: 21.286 min Scan# 21

Delta R.T. 0.000 min

Lab File: BN036557.D

Acq: 10 Mar 2025 11:42

Instrument :

BNA_N

ClientSampleId :

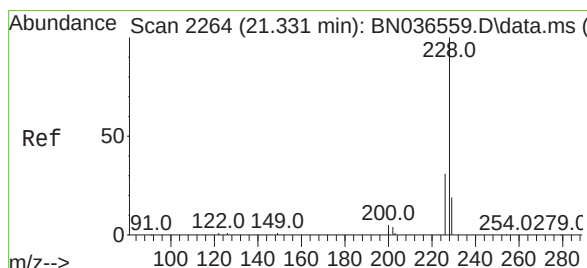
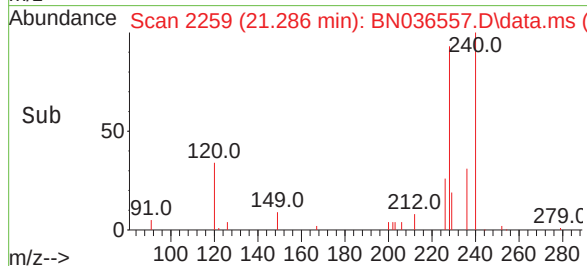
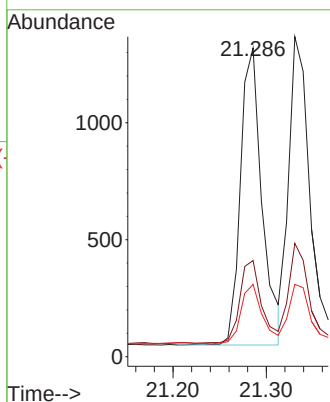
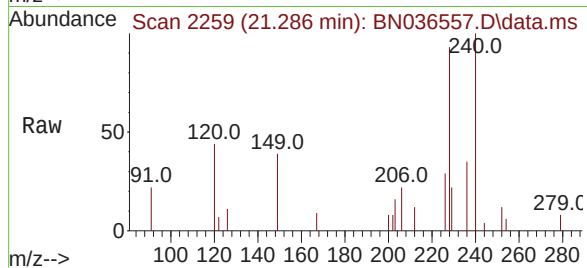
SSTDICC0.1

Tgt Ion:	228	Resp:	204
Ion Ratio	Lower	Upper	
228	100		
226	31.1	22.5	33.7
229	23.4	16.6	25.0

Manual Integrations

APPROVED

Reviewed By :Anahy Claudio 03/11/2025
Supervised By :Jagrut Upadhyay 03/11/2025



#33

Chrysene

Concen: 0.098 ng

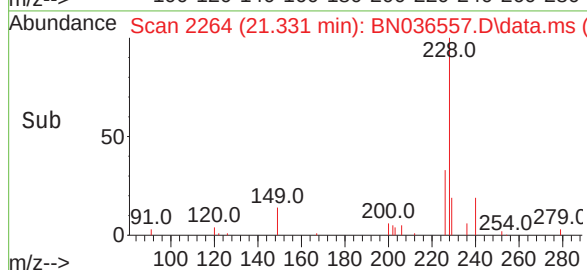
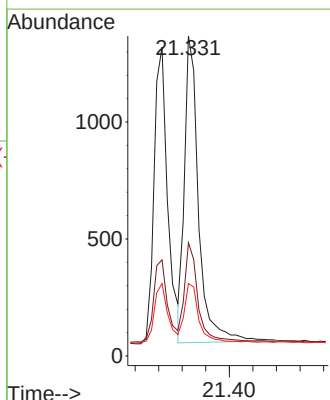
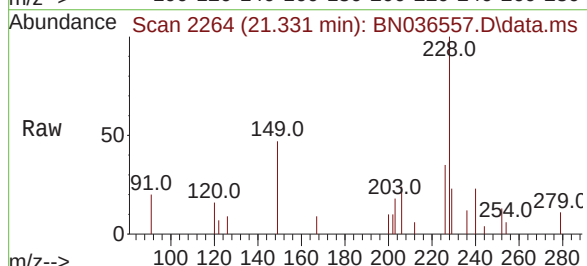
RT: 21.331 min Scan# 2264

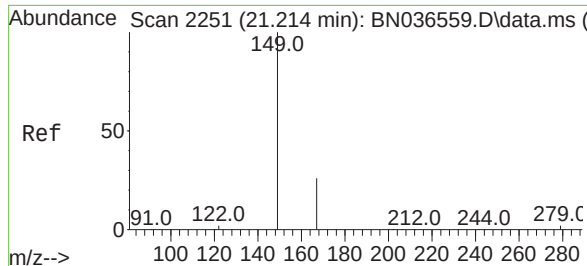
Delta R.T. 0.000 min

Lab File: BN036557.D

Acq: 10 Mar 2025 11:42

Tgt Ion:	228	Resp:	2187
Ion Ratio	Lower	Upper	
228	100		
226	35.4	25.3	37.9
229	22.6	15.8	23.8





#34

Bis(2-ethylhexyl)phthalate

Concen: 0.121 ng

RT: 21.214 min Scan# 21

Delta R.T. 0.000 min

Lab File: BN036557.D

Acq: 10 Mar 2025 11:42

Instrument :

BNA_N

ClientSampleId :

SSTDICC0.1

Tgt Ion:149 Resp: 1760

Ion Ratio Lower Upper

149 100

167 27.9 20.7 31.1

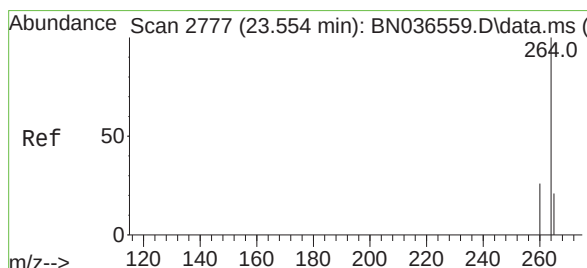
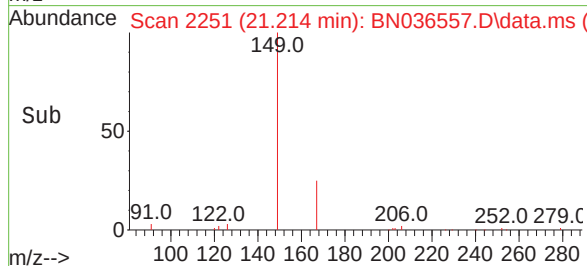
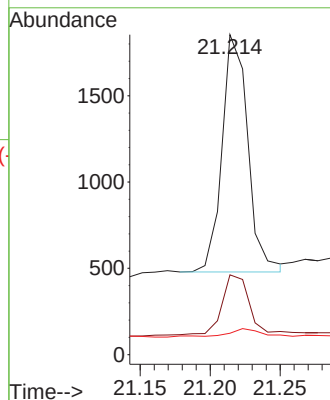
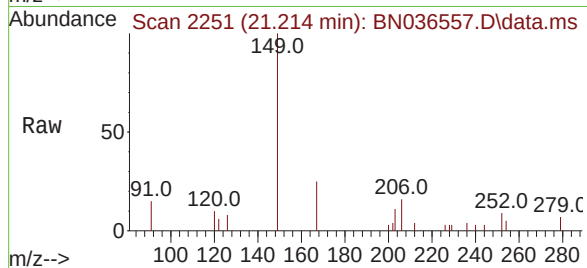
279 4.9 3.6 5.4

Manual Integrations

APPROVED

Reviewed By :Anahy Claudio 03/11/2025

Supervised By :Jagrut Upadhyay 03/11/2025



#35

Perylene-d12

Concen: 0.400 ng

RT: 23.554 min Scan# 2777

Delta R.T. 0.000 min

Lab File: BN036557.D

Acq: 10 Mar 2025 11:42

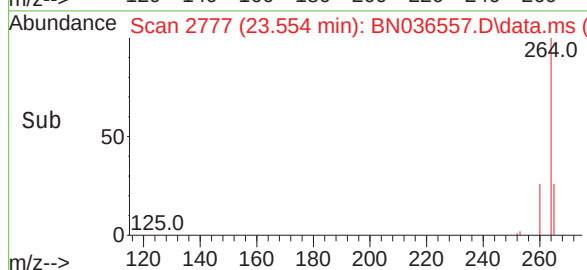
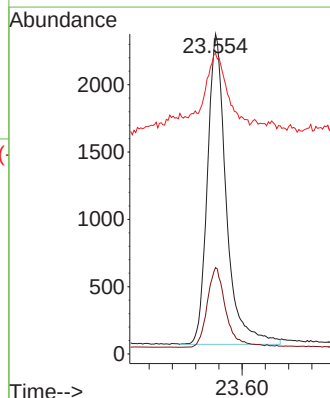
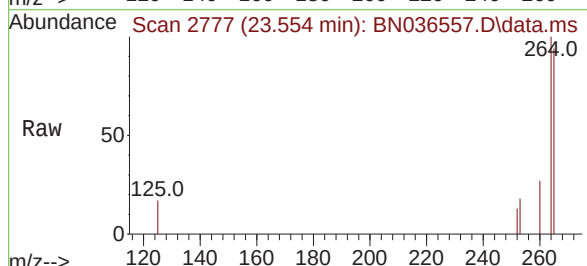
Tgt Ion:264 Resp: 5207

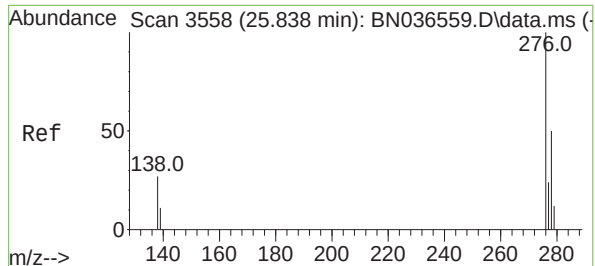
Ion Ratio Lower Upper

264 100

260 27.0 22.6 33.8

265 93.9 88.1 132.1





#36

Indeno(1,2,3-cd)pyrene

Concen: 0.080 ng

RT: 25.841 min Scan# 3558

Delta R.T. 0.003 min

Lab File: BN036557.D

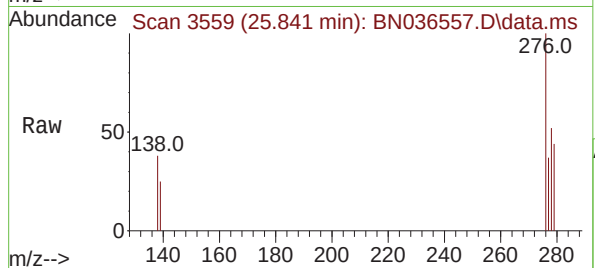
Acq: 10 Mar 2025 11:42

Instrument :

BNA_N

ClientSampleId :

SSTDICC0.1



Tgt Ion:276 Resp: 1510

Ion Ratio Lower Upper

276 100

138 27.6 23.4 35.2

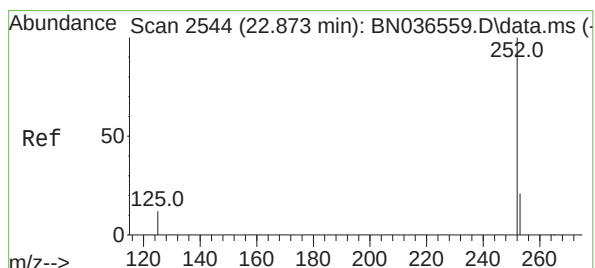
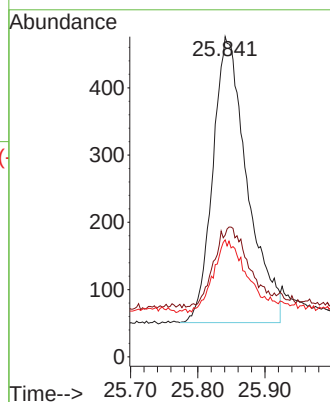
277 24.2 20.0 30.0

Manual Integrations

APPROVED

Reviewed By :Anahy Claudio 03/11/2025

Supervised By :Jagrut Upadhyay 03/11/2025



#37

Benzo(b)fluoranthene

Concen: 0.090 ng

RT: 22.876 min Scan# 2545

Delta R.T. 0.003 min

Lab File: BN036557.D

Acq: 10 Mar 2025 11:42

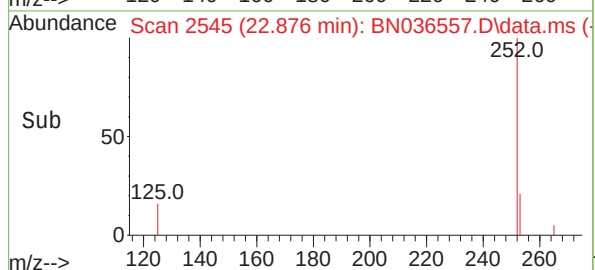
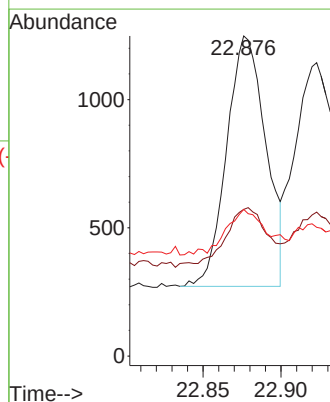
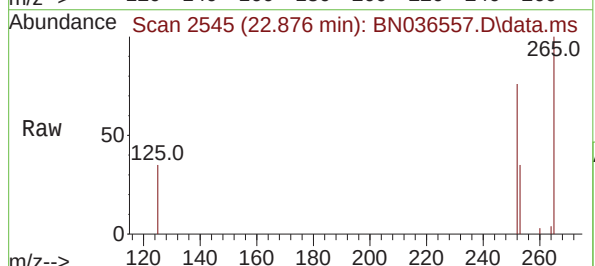
Tgt Ion:252 Resp: 1707

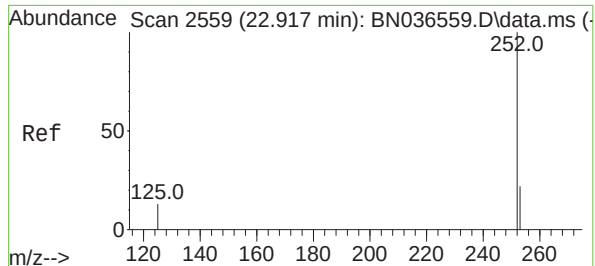
Ion Ratio Lower Upper

252 100

253 45.8 23.9 35.9#

125 45.8 17.4 26.2#





#38

Benzo(k)fluoranthene

Concen: 0.098 ng

RT: 22.923 min Scan# 2561

Delta R.T. 0.006 min

Lab File: BN036557.D

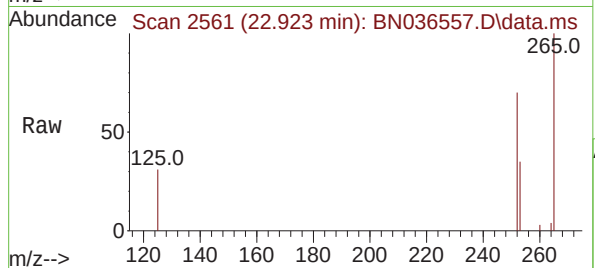
Acq: 10 Mar 2025 11:42

Instrument :

BNA_N

ClientSampleId :

SSTDICC0.1

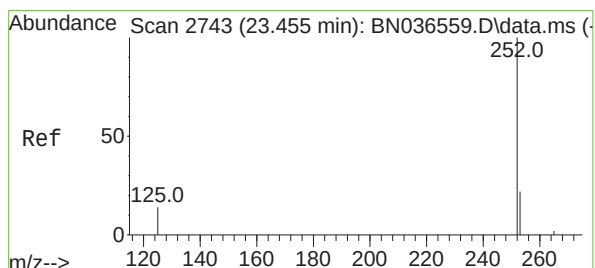
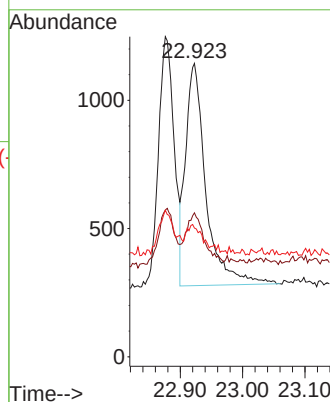
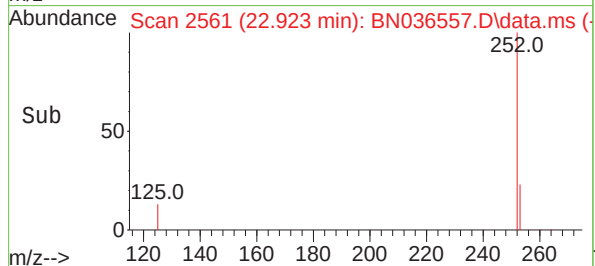


Tgt Ion:	252	Resp:	1958
Ion Ratio	Lower	Upper	
252	100		
253	49.0	24.6	36.8#
125	43.9	17.8	26.8#

Manual Integrations

APPROVED

Reviewed By :Anahy Claudio 03/11/2025
Supervised By :Jagrut Upadhyay 03/11/2025



#39

Benzo(a)pyrene

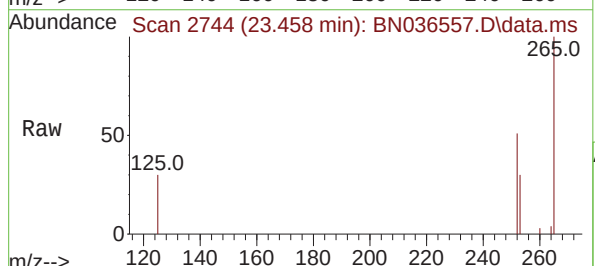
Concen: 0.089 ng

RT: 23.458 min Scan# 2744

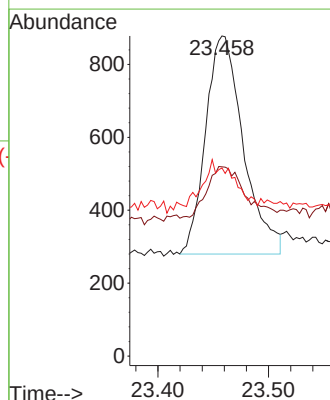
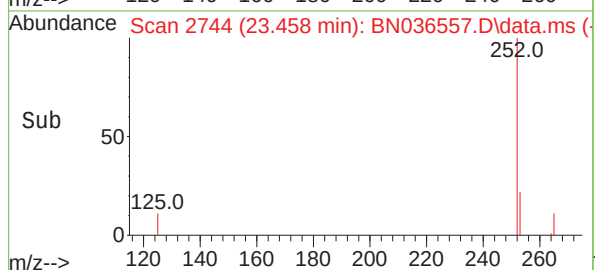
Delta R.T. 0.003 min

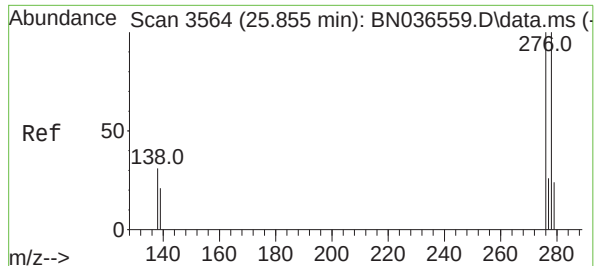
Lab File: BN036557.D

Acq: 10 Mar 2025 11:42



Tgt Ion:	252	Resp:	1419
Ion Ratio	Lower	Upper	
252	100		
253	59.1	27.8	41.8#
125	58.8	22.7	34.1#





#40

Dibenzo(a,h)anthracene

Concen: 0.079 ng

RT: 25.861 min Scan# 3566

Delta R.T. 0.006 min

Lab File: BN036557.D

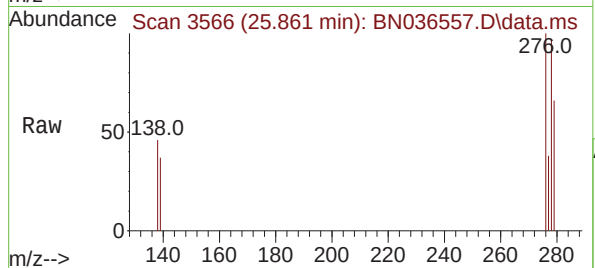
Acq: 10 Mar 2025 11:42

Instrument :

BNA_N

ClientSampleId :

SSTDICC0.1



Tgt Ion:278 Resp: 1163

Ion Ratio Lower Upper

278 100

139 37.8 20.8 31.2#

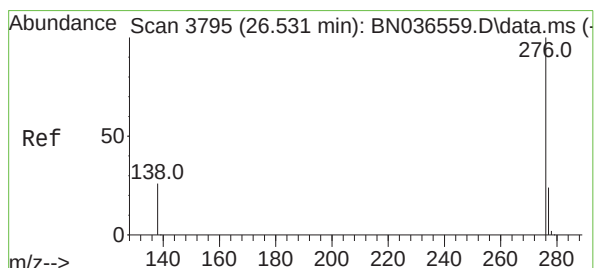
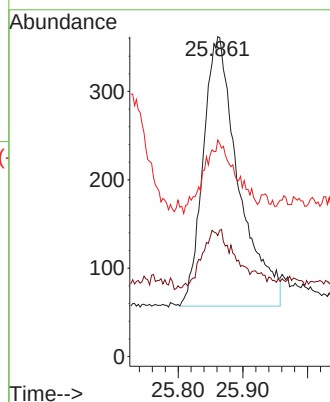
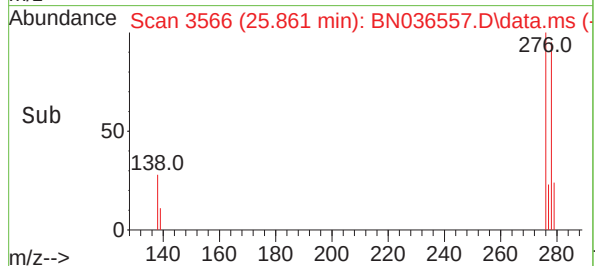
279 67.7 28.8 43.2#

Manual Integrations

APPROVED

Reviewed By :Anahy Claudio 03/11/2025

Supervised By :Jagrut Upadhyay 03/11/2025



#41

Benzo(g,h,i)perylene

Concen: 0.089 ng

RT: 26.539 min Scan# 3798

Delta R.T. 0.009 min

Lab File: BN036557.D

Acq: 10 Mar 2025 11:42

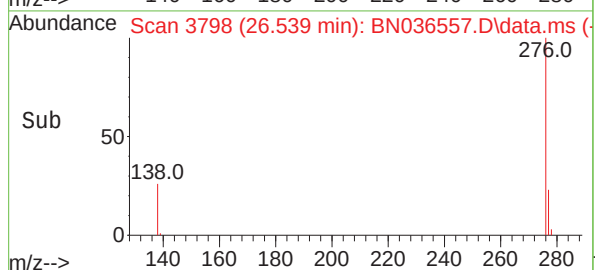
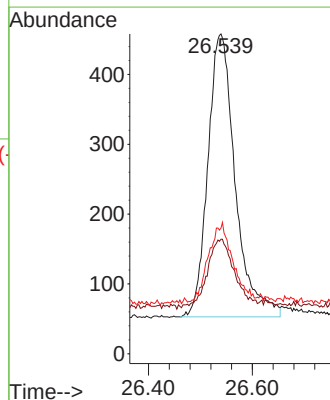
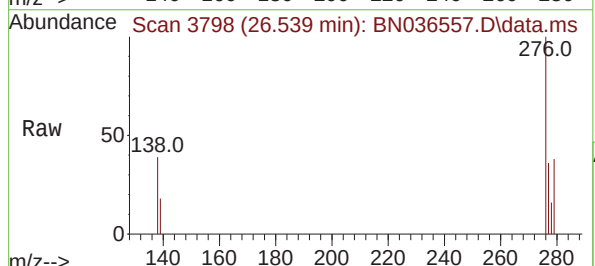
Tgt Ion:276 Resp: 1482

Ion Ratio Lower Upper

276 100

277 35.8 22.2 33.4#

138 39.3 24.1 36.1#



Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN031025\
 Data File : BN036558.D
 Acq On : 10 Mar 2025 12:18
 Operator : RC/JU
 Sample : SSTDICC0.2
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 SSTDICC0.2

Manual Integrations
 APPROVED

Reviewed By :Anahy Claudio 03/11/2025
 Supervised By :Jagrut Upadhyay 03/11/2025

Quant Time: Mar 10 16:00:58 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN031025.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Mar 10 15:54:23 2025
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.724	152	2504	0.400	ng	0.00
7) Naphthalene-d8	10.509	136	5844	0.400	ng	0.00
13) Acenaphthene-d10	14.366	164	3516	0.400	ng	0.00
19) Phenanthrene-d10	17.111	188	7506	0.400	ng	0.00
29) Chrysene-d12	21.295	240	4730	0.400	ng	0.00
35) Perylene-d12	23.554	264	4241	0.400	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.312	112	1137	0.195	ng	0.00
5) Phenol-d6	6.901	99	1323	0.184	ng	0.00
8) Nitrobenzene-d5	8.875	82	1156	0.182	ng	0.00
11) 2-Methylnaphthalene-d10	12.111	152	1603	0.184	ng	0.00
14) 2,4,6-Tribromophenol	15.858	330	282	0.177	ng	0.00
15) 2-Fluorobiphenyl	12.993	172	3485	0.170	ng	0.00
27) Fluoranthene-d10	19.146	212	3583	0.186	ng	0.00
31) Terphenyl-d14	19.745	244	2283	0.201	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	3.247	88	550m	0.198	ng	
3) n-Nitrosodimethylamine	3.557	42	1094	0.195	ng	92
6) bis(2-Chloroethyl)ether	7.154	93	1440	0.193	ng	99
9) Naphthalene	10.562	128	3286	0.191	ng	97
10) Hexachlorobutadiene	10.850	225	828	0.205	ng	# 97
12) 2-Methylnaphthalene	12.187	142	2034	0.186	ng	97
16) Acenaphthylene	14.088	152	3087	0.186	ng	100
17) Acenaphthene	14.430	154	2038	0.188	ng	99
18) Fluorene	15.414	166	2813	0.191	ng	99
20) 4,6-Dinitro-2-methylph...	15.510	198	214	0.258	ng	# 69
21) 4-Bromophenyl-phenylether	16.304	248	853	0.181	ng	93
22) Hexachlorobenzene	16.416	284	1079	0.190	ng	99
23) Atrazine	16.578	200	716	0.190	ng	97
24) Pentachlorophenol	16.776	266	435	0.168	ng	98
25) Phenanthrene	17.148	178	4171	0.185	ng	100
26) Anthracene	17.248	178	3645	0.179	ng	99
28) Fluoranthene	19.174	202	4666	0.184	ng	99
30) Pyrene	19.536	202	4742	0.205	ng	100
32) Benzo(a)anthracene	21.286	228	3111	0.189	ng	97
33) Chrysene	21.331	228	3568	0.199	ng	97
34) Bis(2-ethylhexyl)phtha...	21.214	149	2601	0.222	ng	# 97
36) Indeno(1,2,3-cd)pyrene	25.844	276	2790	0.182	ng	98
37) Benzo(b)fluoranthene	22.876	252	2883	0.187	ng	# 83
38) Benzo(k)fluoranthene	22.917	252	2962	0.183	ng	# 86
39) Benzo(a)pyrene	23.458	252	2443	0.188	ng	# 76
40) Dibenzo(a,h)anthracene	25.858	278	2080	0.175	ng	# 83
41) Benzo(g,h,i)perylene	26.536	276	2573	0.189	ng	95

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

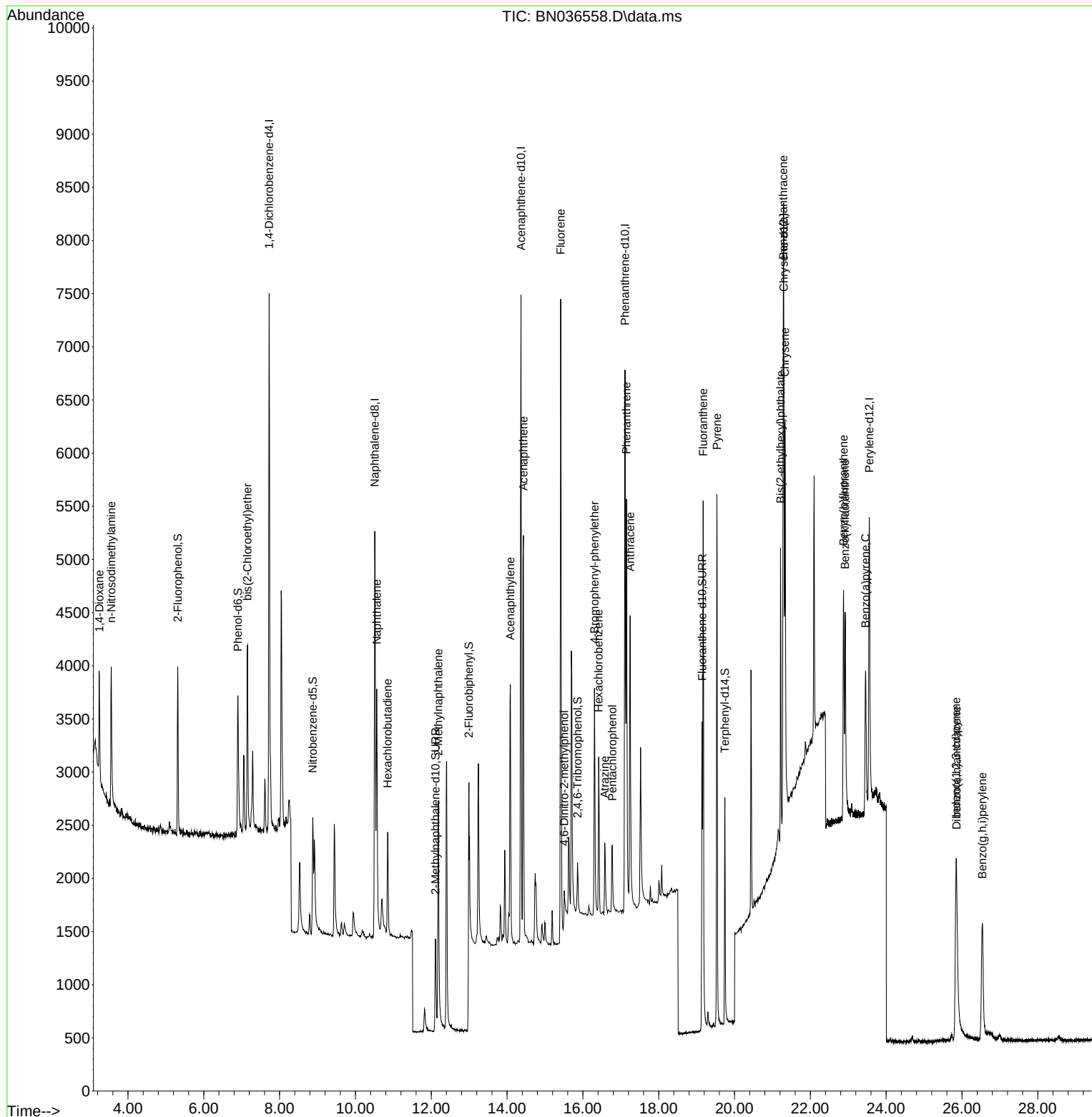
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 Data File : BN036558.D
 Acq On : 10 Mar 2025 12:18
 Operator : RC/JU
 Sample : SSTDICC0.2
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

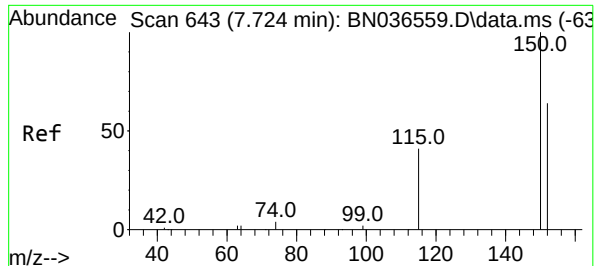
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 ClientSampleId :
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Quant Time: Mar 10 16:00:58 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN031025.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Mar 10 15:54:23 2025
 Response via : Initial Calibration

Manual Integrations APPROVED

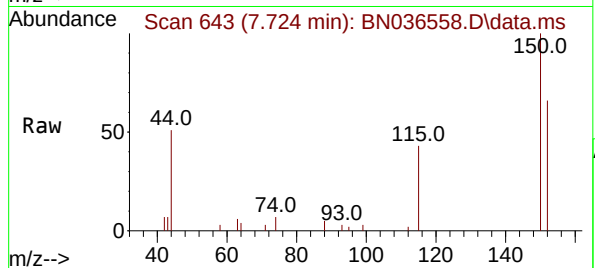
Reviewed By :Anahy Claudio 03/11/2025
 Supervised By :Jagrut Upadhyay 03/11/2025





#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.724 min Scan# 64
Delta R.T. 0.000 min
Lab File: BN036558.D
Acq: 10 Mar 2025 12:18

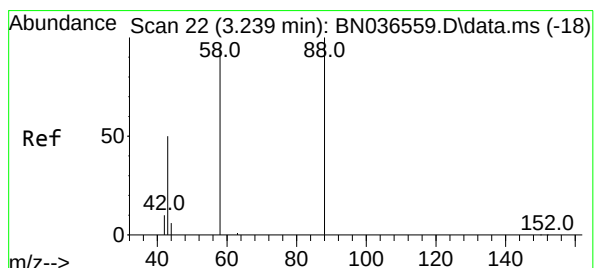
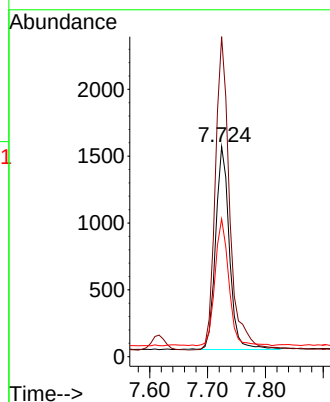
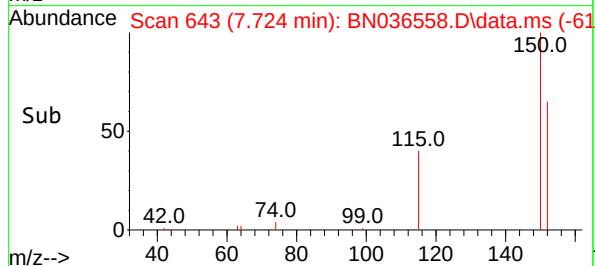
Instrument :
BNA_N
ClientSampleId :
SSTDICC0.2



Tgt Ion: 152 Resp: 2504
Ion Ratio Lower Upper
152 100
150 152.3 123.7 185.5
115 65.5 54.3 81.5

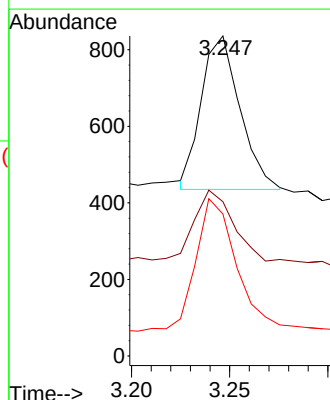
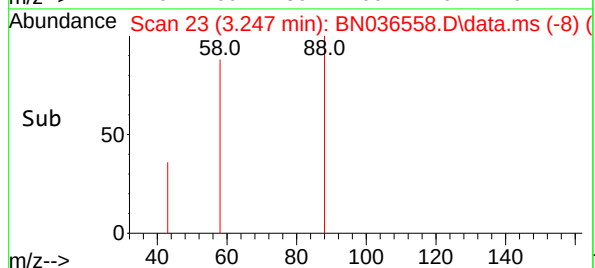
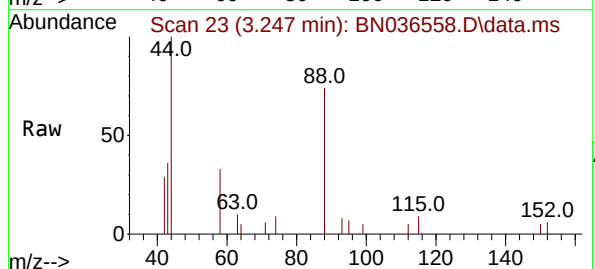
Manual Integrations
APPROVED

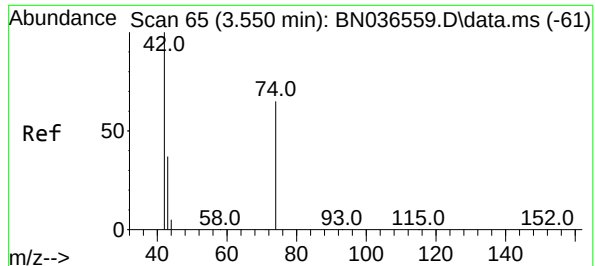
Reviewed By :Anahy Claudio 03/11/2025
Supervised By :Jagrut Upadhyay 03/11/2025



#2
1,4-Dioxane
Concen: 0.198 ng m
RT: 3.247 min Scan# 23
Delta R.T. 0.007 min
Lab File: BN036558.D
Acq: 10 Mar 2025 12:18

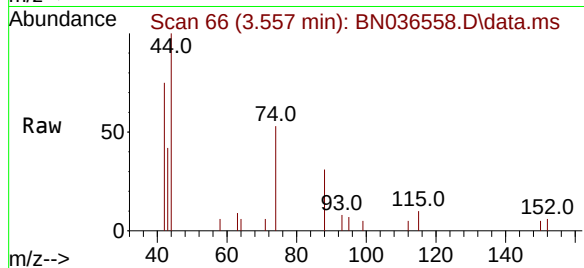
Tgt Ion: 88 Resp: 550
Ion Ratio Lower Upper
88 100
43 56.5 37.8 56.8
58 93.8 67.4 101.2





#3
n-Nitrosodimethylamine
Concen: 0.195 ng
RT: 3.557 min Scan# 60
Delta R.T. 0.007 min
Lab File: BN036558.D
Acq: 10 Mar 2025 12:18

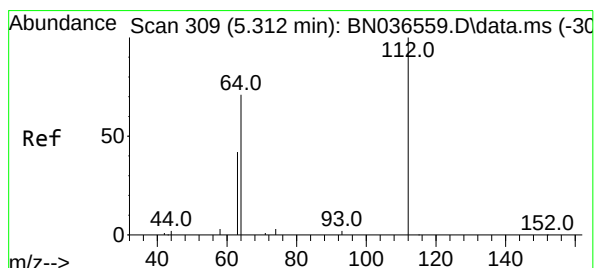
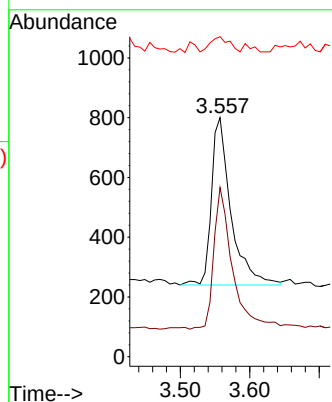
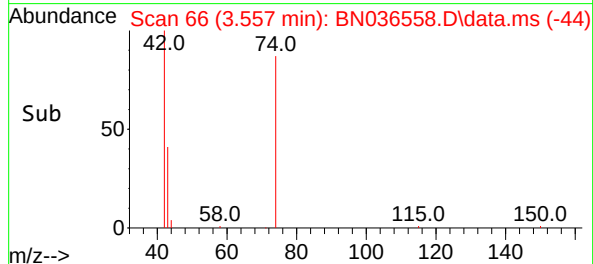
Instrument :
BNA_N
ClientSampleId :
SSTDICC0.2



Tgt Ion: 42 Resp: 1094
Ion Ratio Lower Upper
42 100
74 83.2 60.6 90.8
44 8.5 6.3 9.5

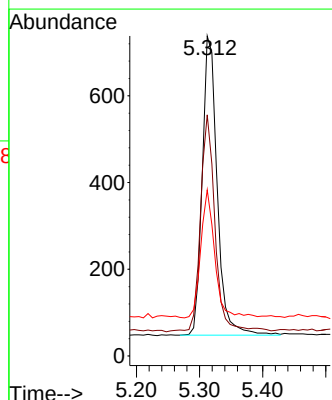
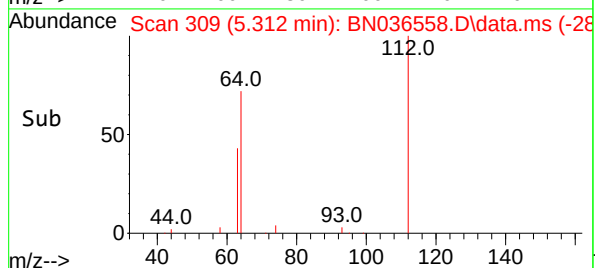
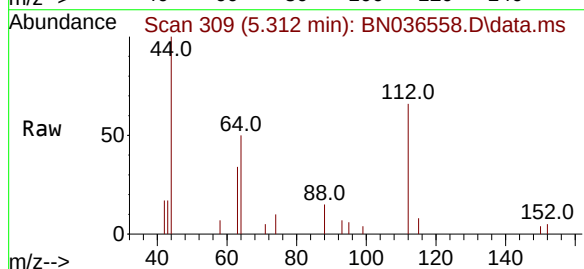
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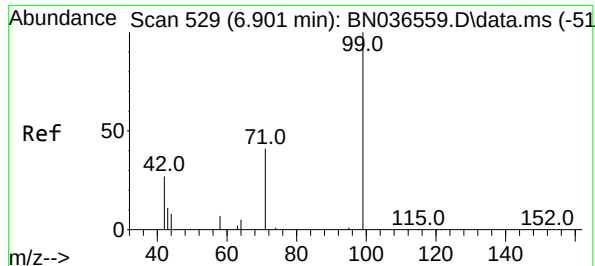
Reviewed By :Anahy Claudio 03/11/2025
Supervised By :Jagrut Upadhyay 03/11/2025



#4
2-Fluorophenol
Concen: 0.195 ng
RT: 5.312 min Scan# 309
Delta R.T. 0.000 min
Lab File: BN036558.D
Acq: 10 Mar 2025 12:18

Tgt Ion:112 Resp: 1137
Ion Ratio Lower Upper
112 100
64 70.6 53.1 79.7
63 40.3 31.8 47.8





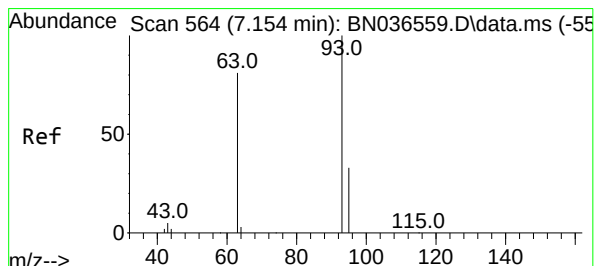
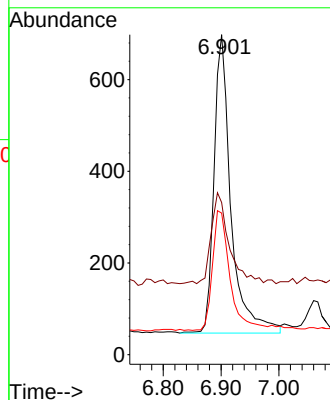
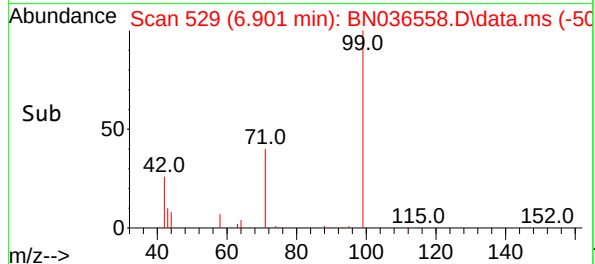
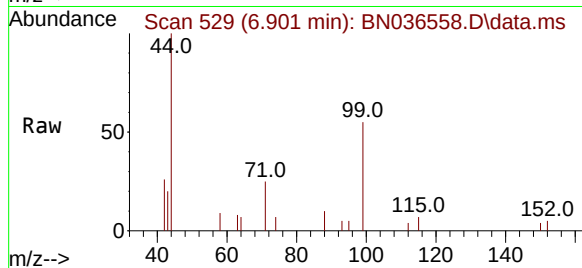
#5
Phenol-d6
Concen: 0.184 ng
RT: 6.901 min Scan# 51
Delta R.T. 0.000 min
Lab File: BN036558.D
Acq: 10 Mar 2025 12:18

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.2

Tgt Ion: 99 Resp: 132
Ion Ratio Lower Upper
99 100
42 32.7 26.5 39.7
71 41.3 34.1 51.1

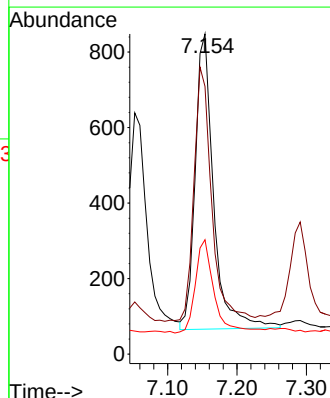
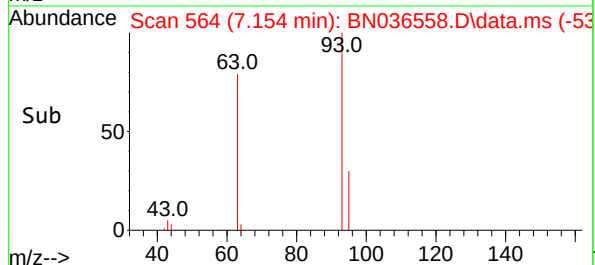
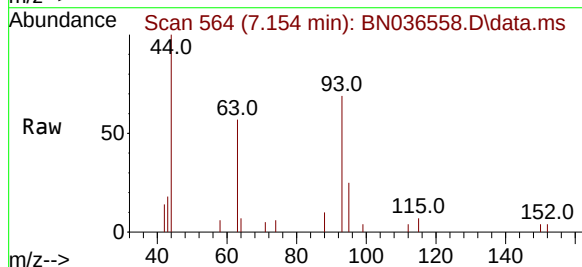
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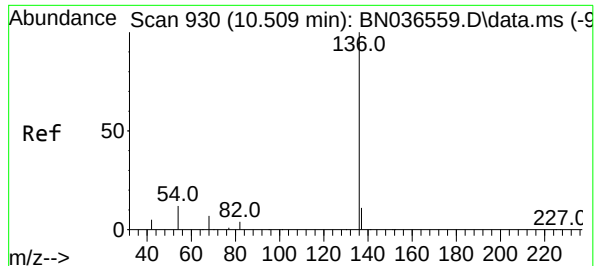
Reviewed By :Anahy Claudio 03/11/2025
Supervised By :Jagrut Upadhyay 03/11/2025



#6
bis(2-Chloroethyl)ether
Concen: 0.193 ng
RT: 7.154 min Scan# 564
Delta R.T. 0.000 min
Lab File: BN036558.D
Acq: 10 Mar 2025 12:18

Tgt Ion: 93 Resp: 1440
Ion Ratio Lower Upper
93 100
63 82.9 67.7 101.5
95 31.9 25.6 38.4





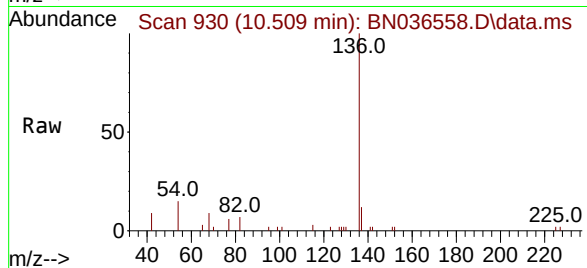
#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.509 min Scan# 91
Delta R.T. 0.000 min
Lab File: BN036558.D
Acq: 10 Mar 2025 12:18

Instrument :

BNA_N

ClientSampleId :

SSTDICC0.2

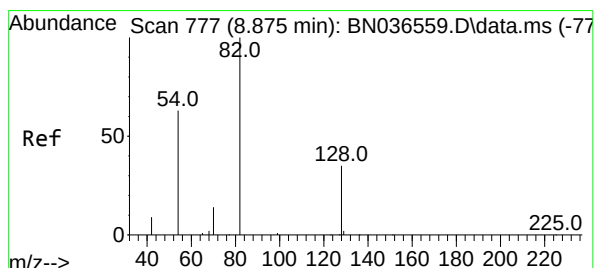
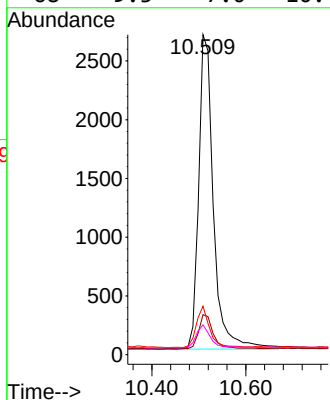
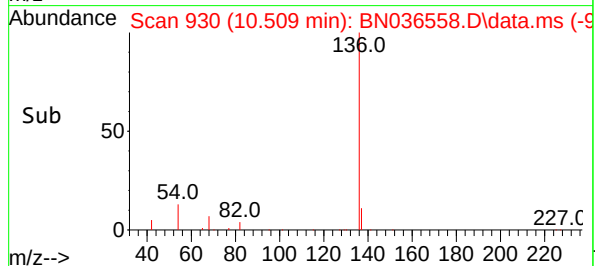


Tgt Ion:136 Resp: 584
Ion Ratio Lower Upper
136 100
137 12.5 10.3 15.5
54 15.1 11.5 17.3
68 9.3 7.0 10.4

Manual Integrations

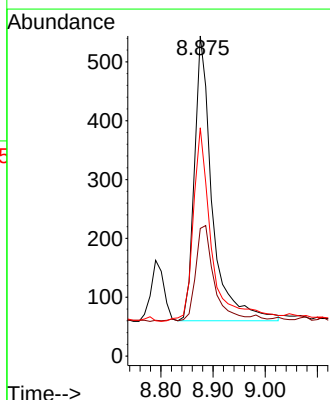
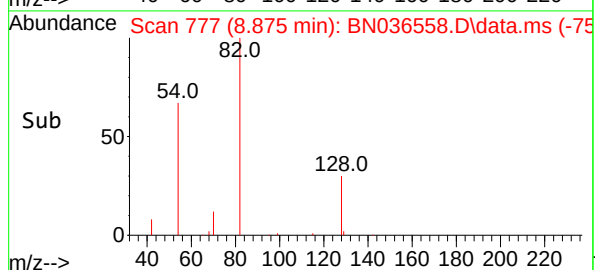
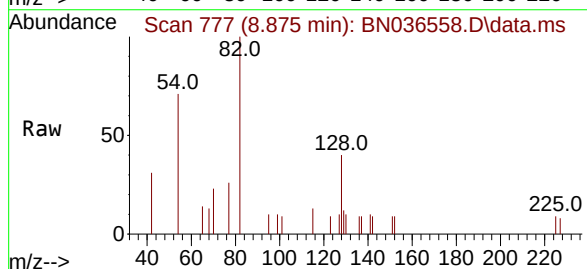
APPROVED

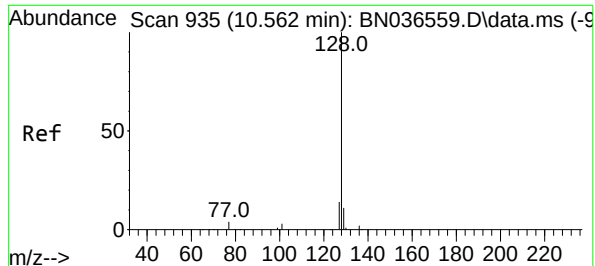
Reviewed By :Anahy Claudio 03/11/2025
Supervised By :Jagrut Upadhyay 03/11/2025



#8
Nitrobenzene-d5
Concen: 0.182 ng
RT: 8.875 min Scan# 777
Delta R.T. 0.000 min
Lab File: BN036558.D
Acq: 10 Mar 2025 12:18

Tgt Ion: 82 Resp: 1156
Ion Ratio Lower Upper
82 100
128 39.9 30.6 45.8
54 71.3 52.2 78.4





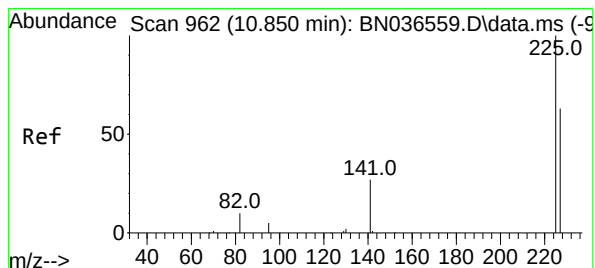
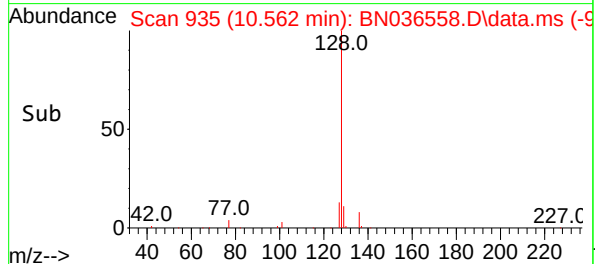
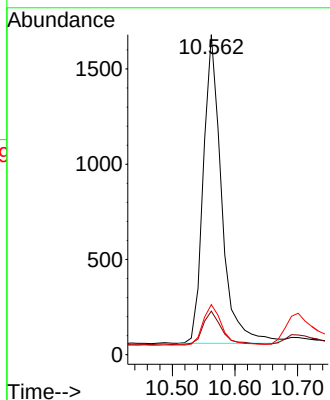
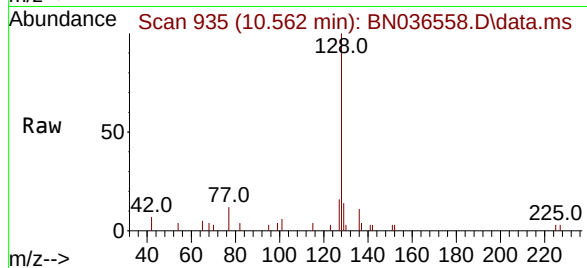
#9
Naphthalene
Concen: 0.191 ng
RT: 10.562 min Scan# 911
Delta R.T. 0.000 min
Lab File: BN036558.D
Acq: 10 Mar 2025 12:18

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.2

Tgt Ion:128 Resp: 3280
Ion Ratio Lower Upper
128 100
129 13.6 9.8 14.6
127 15.7 11.8 17.8

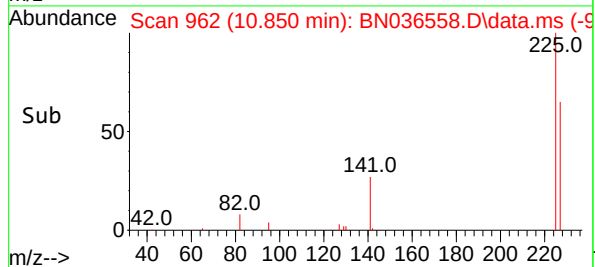
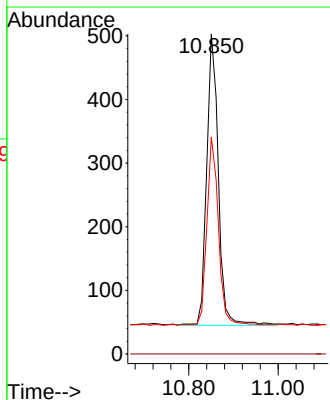
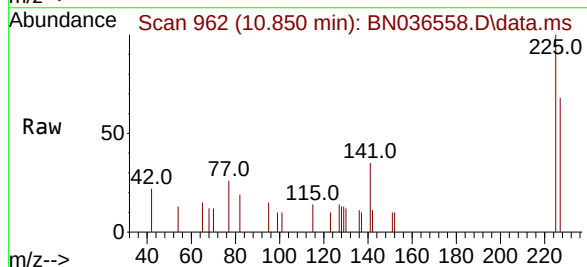
Manual Integrations
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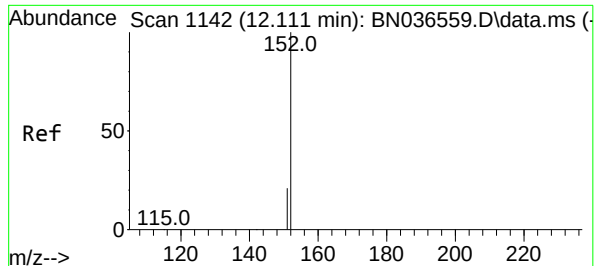
Reviewed By :Anahy Claudio 03/11/2025
Supervised By :Jagrut Upadhyay 03/11/2025



#10
Hexachlorobutadiene
Concen: 0.205 ng
RT: 10.850 min Scan# 962
Delta R.T. 0.000 min
Lab File: BN036558.D
Acq: 10 Mar 2025 12:18

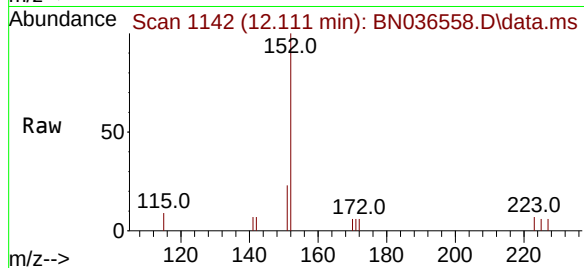
Tgt Ion:225 Resp: 828
Ion Ratio Lower Upper
225 100
223 0.0 0.0 0.0
227 62.6 51.8 77.8





#11
2-Methylnaphthalene-d10
Concen: 0.184 ng
RT: 12.111 min Scan# 1142
Delta R.T. 0.000 min
Lab File: BN036558.D
Acq: 10 Mar 2025 12:18

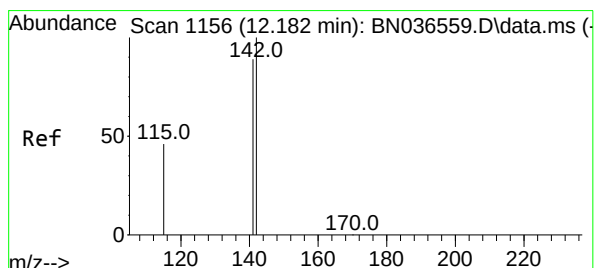
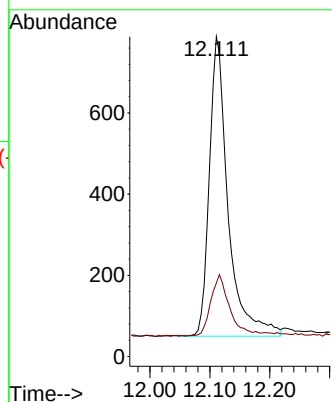
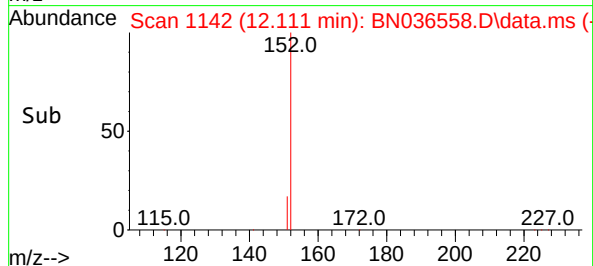
Instrument :
BNA_N
ClientSampleId :
SSTDICC0.2



Tgt Ion:152 Resp: 160
Ion Ratio Lower Upper
152 100
151 21.0 17.0 25.6

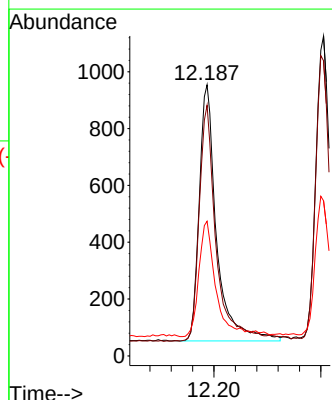
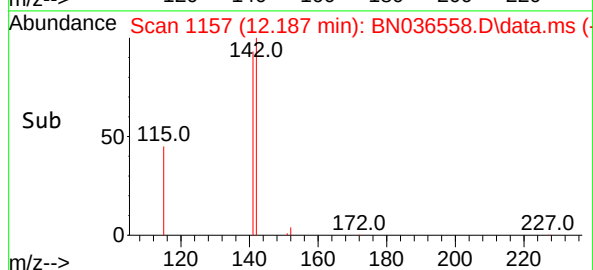
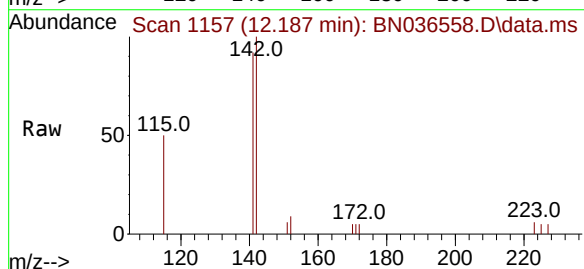
Manual Integrations
APPROVED

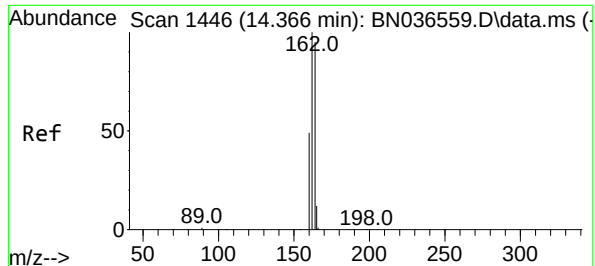
Reviewed By :Anahy Claudio 03/11/2025
Supervised By :Jagrut Upadhyay 03/11/2025



#12
2-Methylnaphthalene
Concen: 0.186 ng
RT: 12.187 min Scan# 1157
Delta R.T. 0.005 min
Lab File: BN036558.D
Acq: 10 Mar 2025 12:18

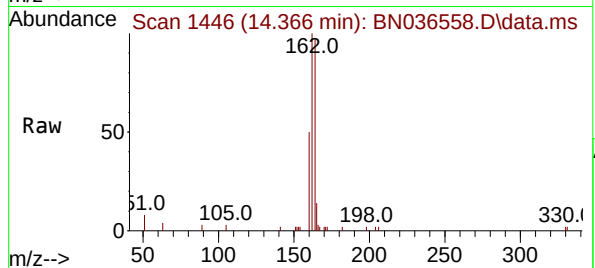
Tgt Ion:142 Resp: 2034
Ion Ratio Lower Upper
142 100
141 92.5 71.7 107.5
115 49.7 38.3 57.5





#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.366 min Scan# 1446
Delta R.T. 0.000 min
Lab File: BN036558.D
Acq: 10 Mar 2025 12:18

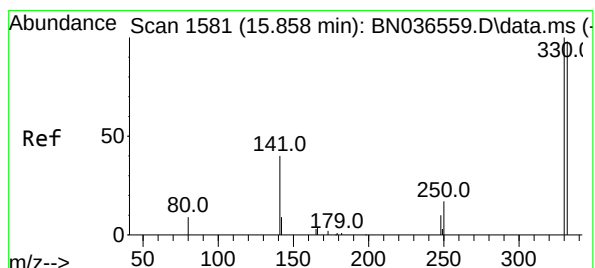
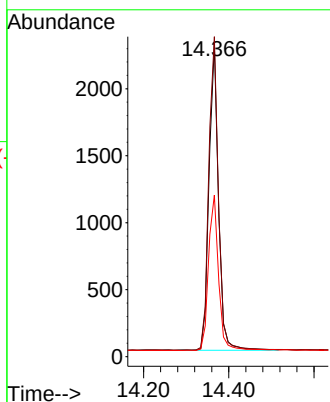
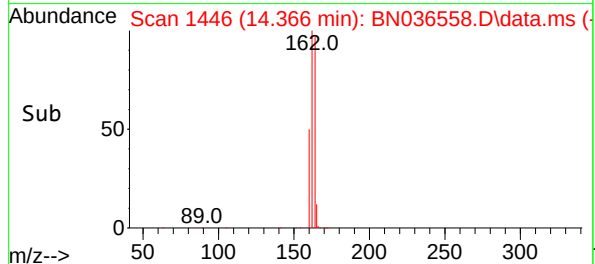
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BNA_N
ClientSampleId :
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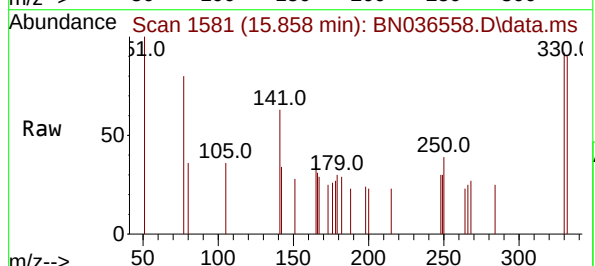
Tgt Ion:164 Resp: 3510
Ion Ratio Lower Upper
164 100
162 102.6 84.2 126.2
160 51.8 42.2 63.2

Manual Integrations
APPROVED

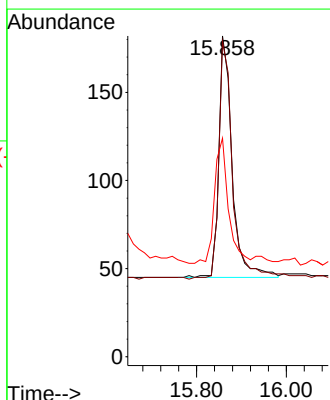
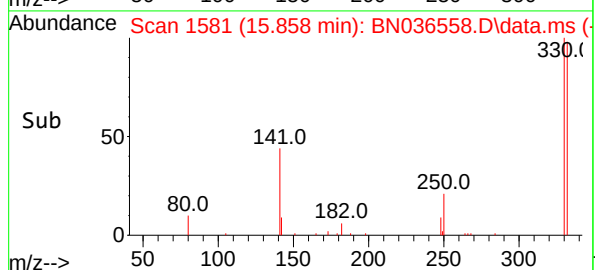
Reviewed By :Anahy Claudio 03/11/2025
Supervised By :Jagrut Upadhyay 03/11/2025

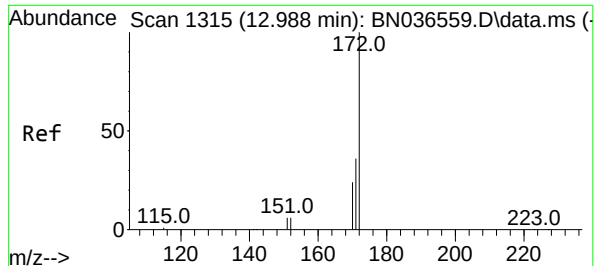


#14
2,4,6-Tribromophenol
Concen: 0.177 ng
RT: 15.858 min Scan# 1581
Delta R.T. 0.000 min
Lab File: BN036558.D
Acq: 10 Mar 2025 12:18



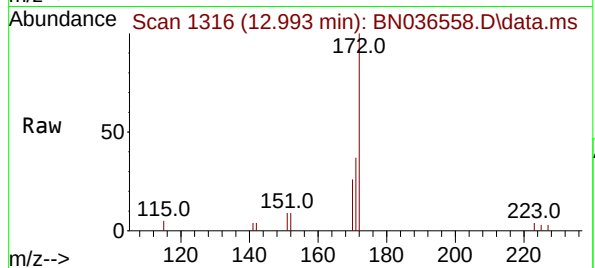
Tgt Ion:330 Resp: 282
Ion Ratio Lower Upper
330 100
332 103.5 75.2 112.8
141 53.9 43.4 65.2





#15
2-Fluorobiphenyl
Concen: 0.170 ng
RT: 12.993 min Scan# 11
Delta R.T. 0.005 min
Lab File: BN036558.D
Acq: 10 Mar 2025 12:18

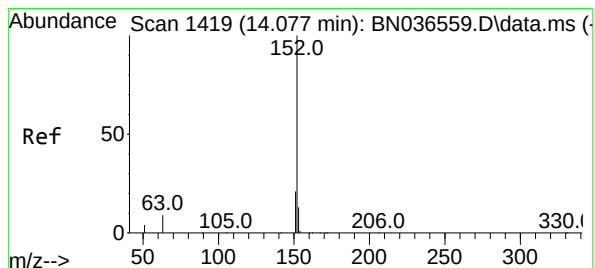
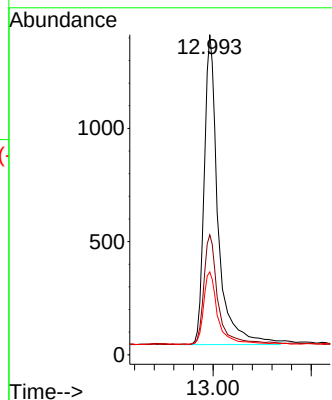
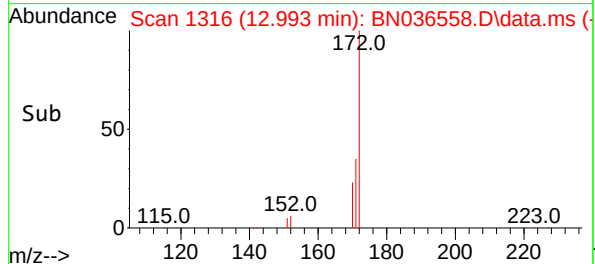
Instrument :
BNA_N
ClientSampleId :
SSTDICC0.2



Tgt Ion:172 Resp: 348
Ion Ratio Lower Upper
172 100
171 37.5 29.5 44.3
170 25.9 20.2 30.4

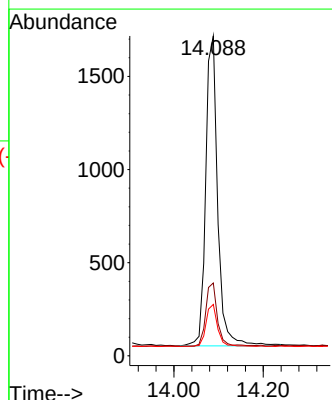
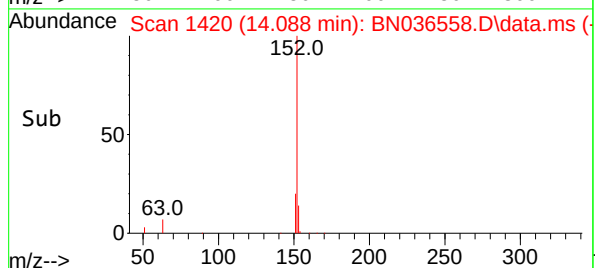
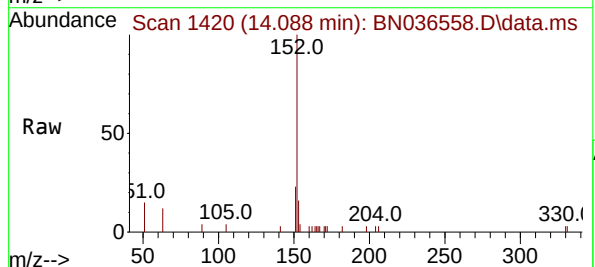
Manual Integrations
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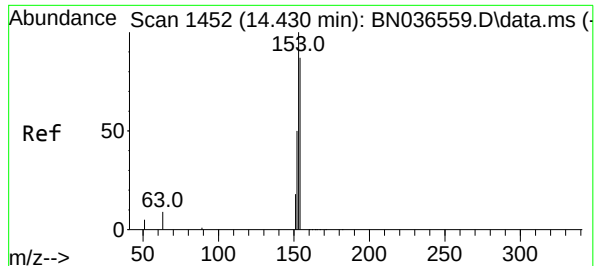
Reviewed By :Anahy Claudio 03/11/2025
Supervised By :Jagrut Upadhyay 03/11/2025



#16
Acenaphthylene
Concen: 0.186 ng
RT: 14.088 min Scan# 1420
Delta R.T. 0.011 min
Lab File: BN036558.D
Acq: 10 Mar 2025 12:18

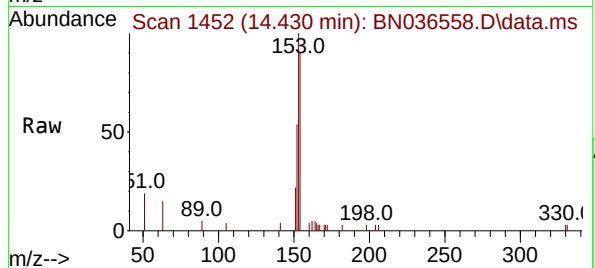
Tgt Ion:152 Resp: 3087
Ion Ratio Lower Upper
152 100
151 20.4 16.2 24.4
153 13.0 10.6 15.8





#17
Acenaphthene
Concen: 0.188 ng
RT: 14.430 min Scan# 1452
Delta R.T. 0.000 min
Lab File: BN036558.D
Acq: 10 Mar 2025 12:18

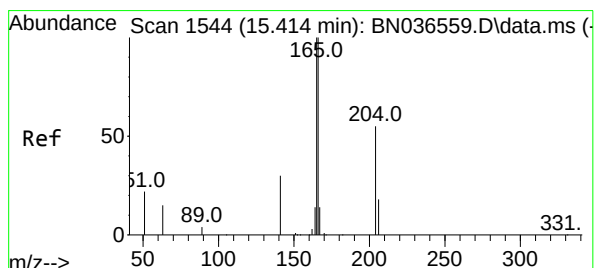
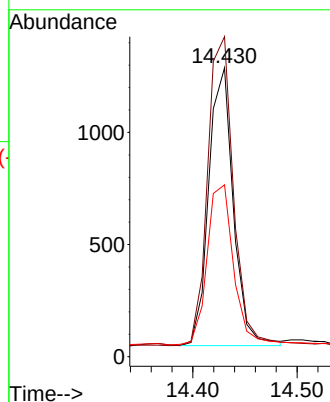
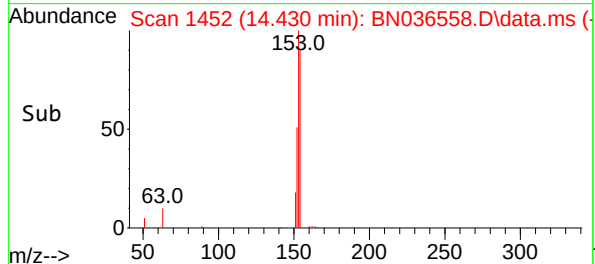
Instrument :
BNA_N
ClientSampleId :
SSTDICC0.2



Tgt Ion:154 Resp: 2038
Ion Ratio Lower Upper
154 100
153 117.8 94.1 141.1
152 63.1 49.8 74.6

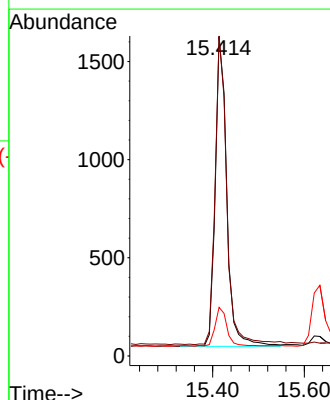
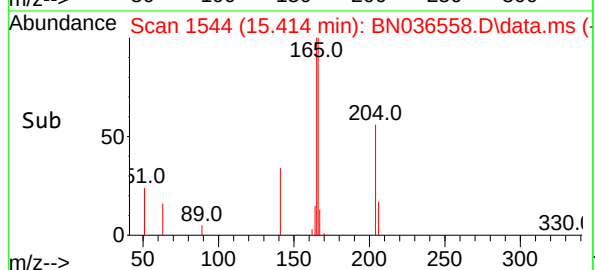
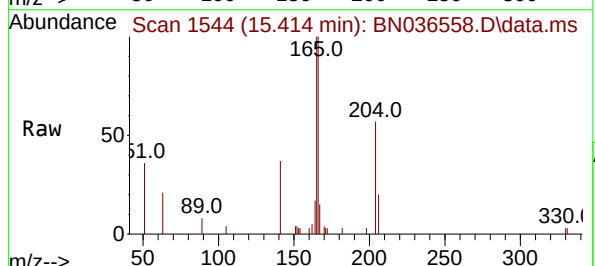
Manual Integrations
APPROVED

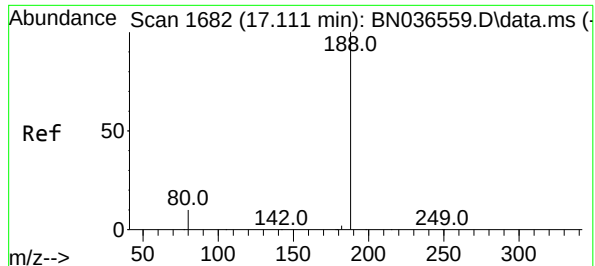
Reviewed By :Anahy Claudio 03/11/2025
Supervised By :Jagrut Upadhyay 03/11/2025



#18
Fluorene
Concen: 0.191 ng
RT: 15.414 min Scan# 1544
Delta R.T. 0.000 min
Lab File: BN036558.D
Acq: 10 Mar 2025 12:18

Tgt Ion:166 Resp: 2813
Ion Ratio Lower Upper
166 100
165 101.1 79.8 119.8
167 12.6 10.6 15.8





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 17.111 min Scan# 1

Delta R.T. 0.000 min

Lab File: BN036558.D

Acq: 10 Mar 2025 12:18

Instrument :

BNA_N

ClientSampleId :

SSTDICC0.2

Tgt Ion:188 Resp: 7500

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

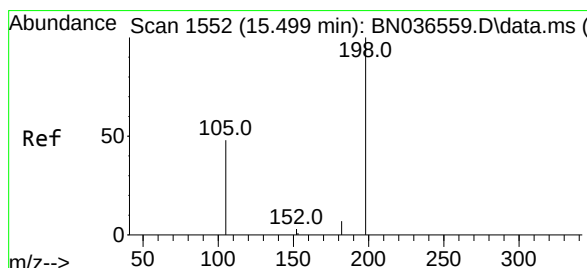
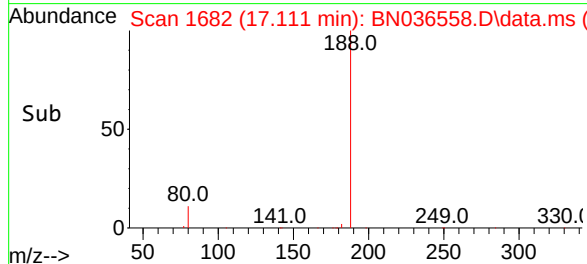
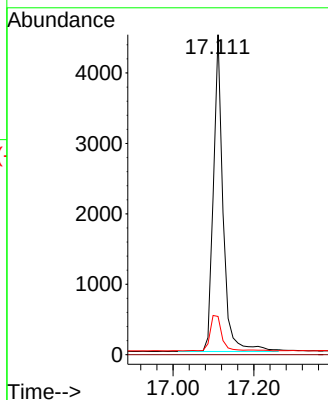
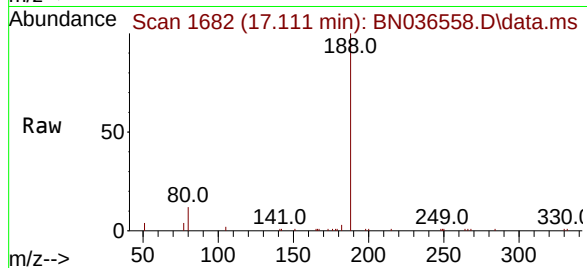
80 11.9 8.8 13.2

Manual Integrations

APPROVED

Reviewed By :Anahy Claudio 03/11/2025

Supervised By :Jagrut Upadhyay 03/11/2025



#20

4,6-Dinitro-2-methylphenol

Concen: 0.258 ng

RT: 15.510 min Scan# 1553

Delta R.T. 0.011 min

Lab File: BN036558.D

Acq: 10 Mar 2025 12:18

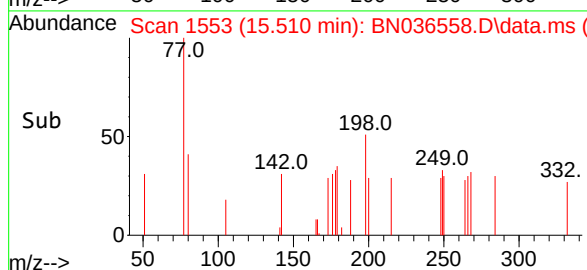
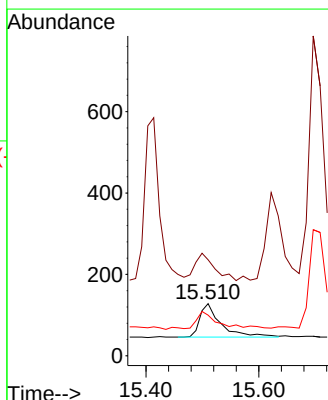
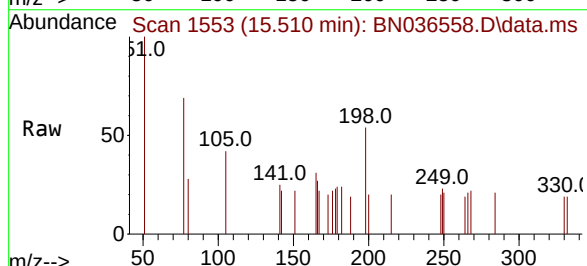
Tgt Ion:198 Resp: 214

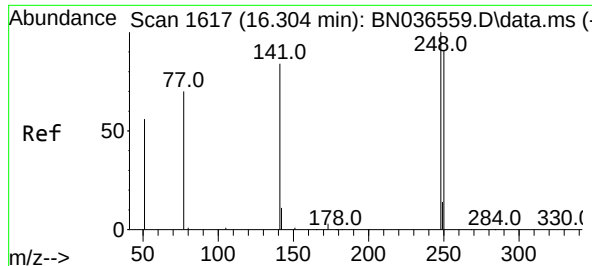
Ion Ratio Lower Upper

198 100

51 184.4 107.9 161.9#

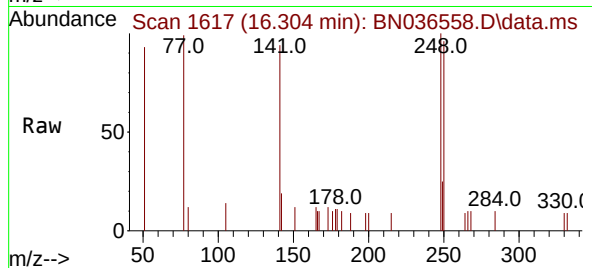
105 78.1 56.2 84.2





#21
4-Bromophenyl-phenylether
Concen: 0.181 ng
RT: 16.304 min Scan# 1617
Delta R.T. 0.000 min
Lab File: BN036558.D
Acq: 10 Mar 2025 12:18

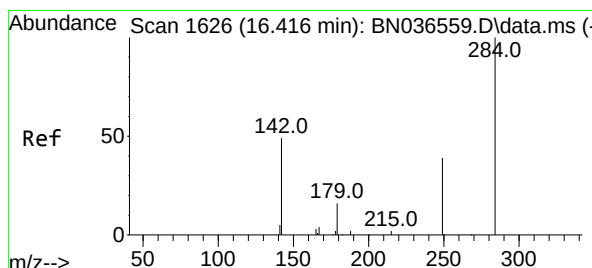
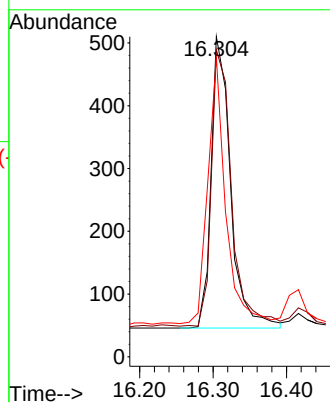
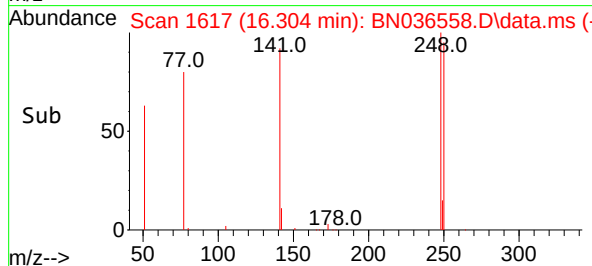
Instrument :
BNA_N
ClientSampleId :
SSTDICC0.2



Tgt Ion:248 Resp: 85
Ion Ratio Lower Upper
248 100
250 95.9 73.0 109.6
141 93.7 68.6 103.0

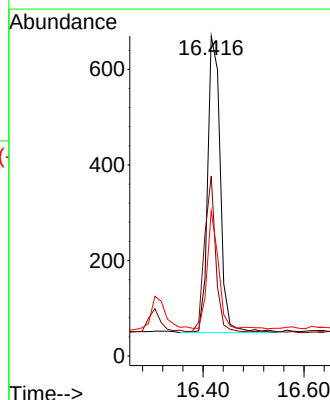
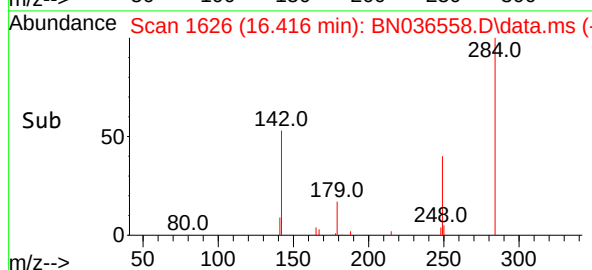
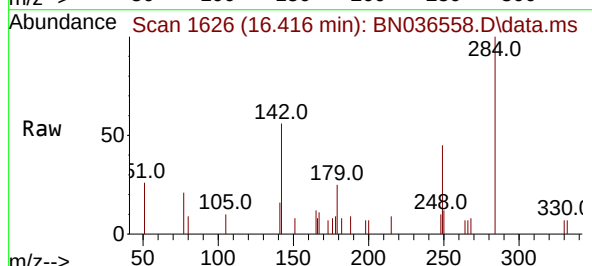
Manual Integrations
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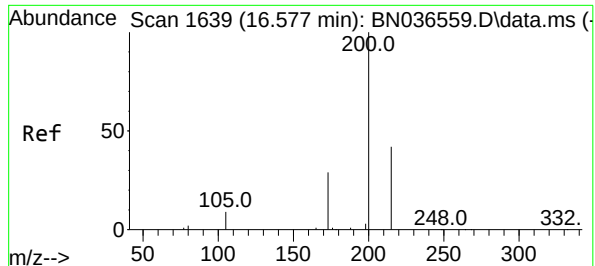
Reviewed By :Anahy Claudio 03/11/2025
Supervised By :Jagrut Upadhyay 03/11/2025



#22
Hexachlorobenzene
Concen: 0.190 ng
RT: 16.416 min Scan# 1626
Delta R.T. 0.000 min
Lab File: BN036558.D
Acq: 10 Mar 2025 12:18

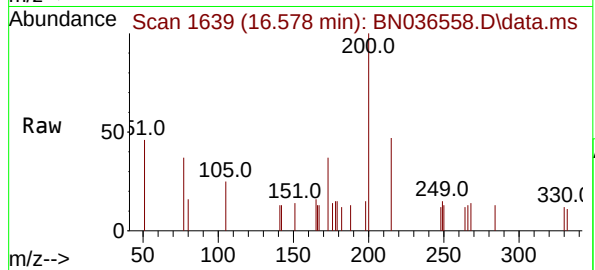
Tgt Ion:284 Resp: 1079
Ion Ratio Lower Upper
284 100
142 47.0 37.0 55.4
249 34.8 28.1 42.1





#23
Atrazine
Concen: 0.190 ng
RT: 16.578 min Scan# 1639
Delta R.T. 0.000 min
Lab File: BN036558.D
Acq: 10 Mar 2025 12:18

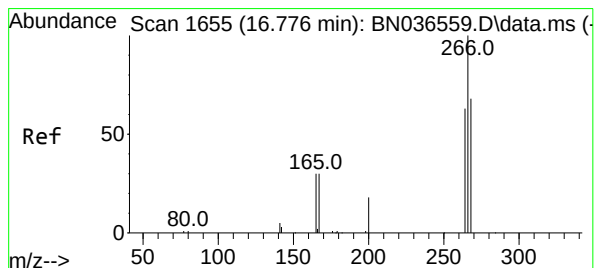
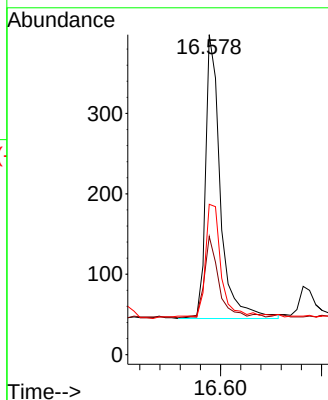
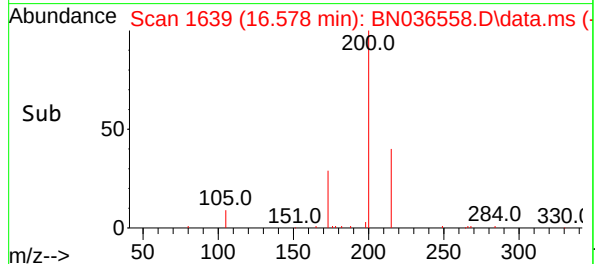
Instrument :
BNA_N
ClientSampleId :
SSTDICC0.2



Tgt Ion:200 Resp: 710
Ion Ratio Lower Upper
200 100
173 36.9 27.3 40.9
215 47.0 36.8 55.2

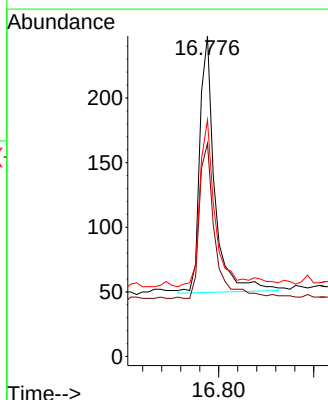
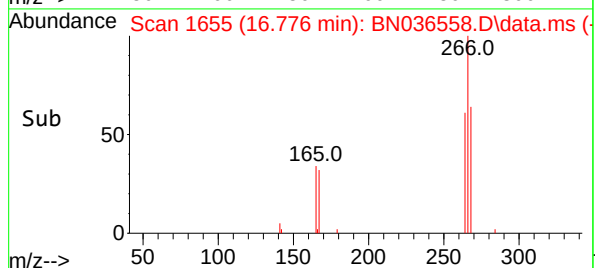
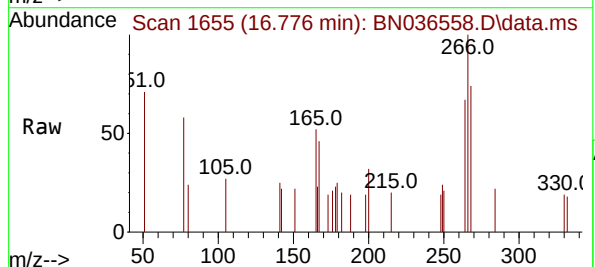
Manual Integrations
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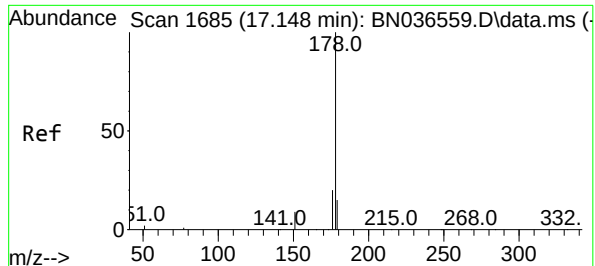
Reviewed By :Anahy Claudio 03/11/2025
Supervised By :Jagrut Upadhyay 03/11/2025



#24
Pentachlorophenol
Concen: 0.168 ng
RT: 16.776 min Scan# 1655
Delta R.T. 0.000 min
Lab File: BN036558.D
Acq: 10 Mar 2025 12:18

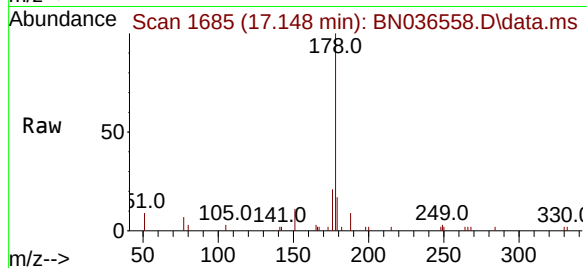
Tgt Ion:266 Resp: 435
Ion Ratio Lower Upper
266 100
264 63.4 49.6 74.4
268 65.7 50.9 76.3





#25
Phenanthrene
Concen: 0.185 ng
RT: 17.148 min Scan# 1685
Delta R.T. 0.000 min
Lab File: BN036558.D
Acq: 10 Mar 2025 12:18

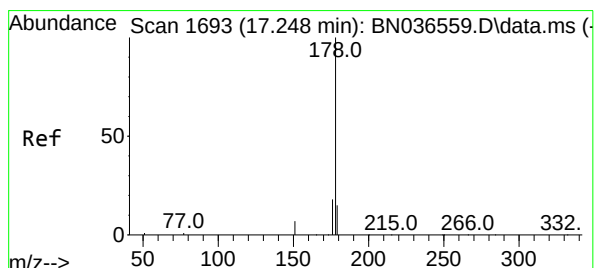
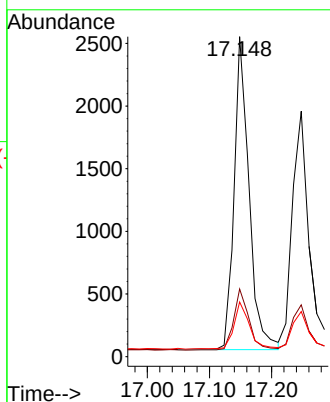
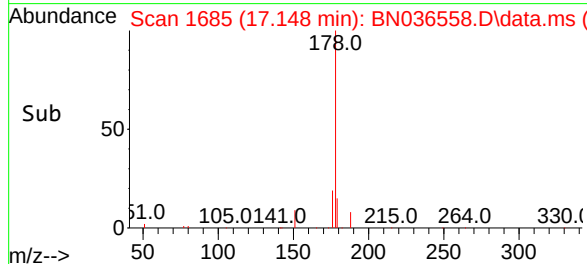
Instrument :
BNA_N
ClientSampleId :
SSTDICC0.2



Tgt Ion:178 Resp: 417
Ion Ratio Lower Upper
178 100
176 20.0 15.9 23.9
179 15.5 12.2 18.4

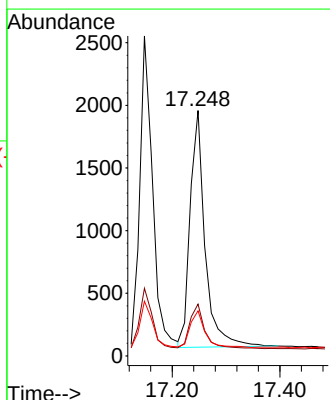
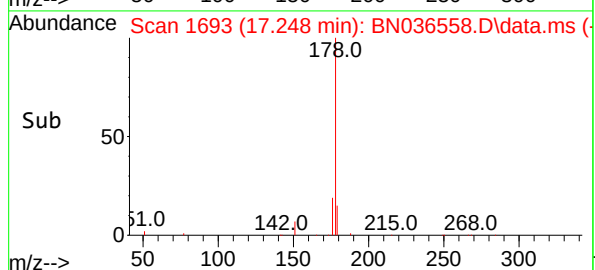
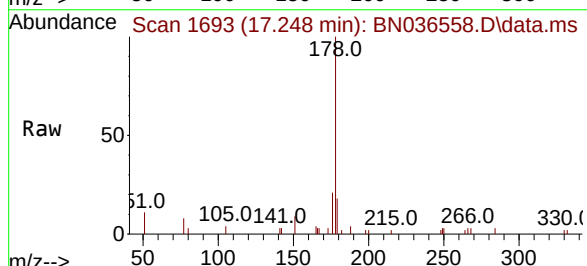
Manual Integrations
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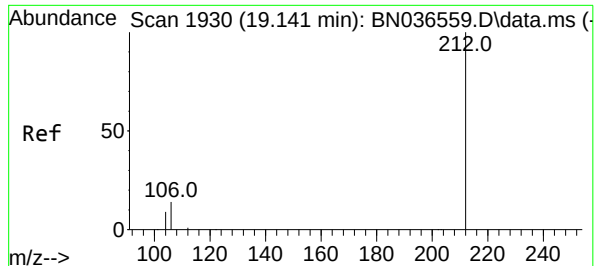
Reviewed By :Anahy Claudio 03/11/2025
Supervised By :Jagrut Upadhyay 03/11/2025



#26
Anthracene
Concen: 0.179 ng
RT: 17.248 min Scan# 1693
Delta R.T. 0.000 min
Lab File: BN036558.D
Acq: 10 Mar 2025 12:18

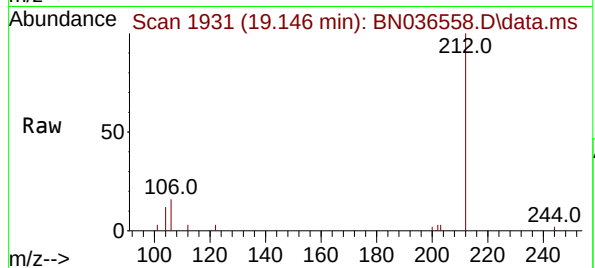
Tgt Ion:178 Resp: 3645
Ion Ratio Lower Upper
178 100
176 19.1 15.4 23.2
179 15.1 12.6 18.8





#27
Fluoranthene-d10
Concen: 0.186 ng
RT: 19.146 min Scan# 1931
Delta R.T. 0.005 min
Lab File: BN036558.D
Acq: 10 Mar 2025 12:18

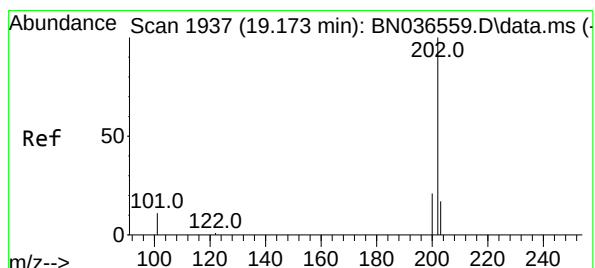
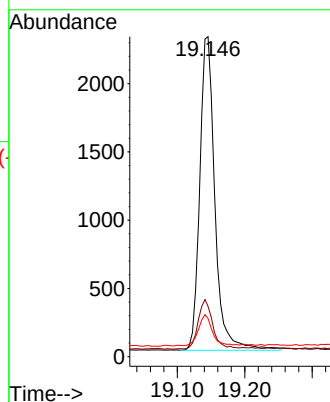
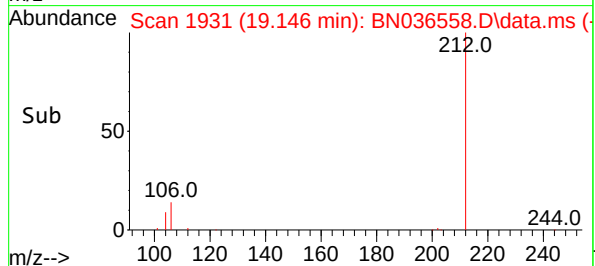
Instrument :
BNA_N
ClientSampleId :
SSTDICC0.2



Tgt Ion:212 Resp: 358
Ion Ratio Lower Upper
212 100
106 15.0 11.8 17.6
104 9.3 7.3 10.9

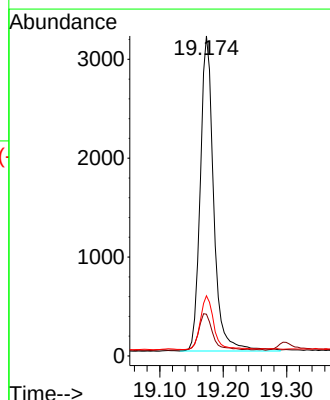
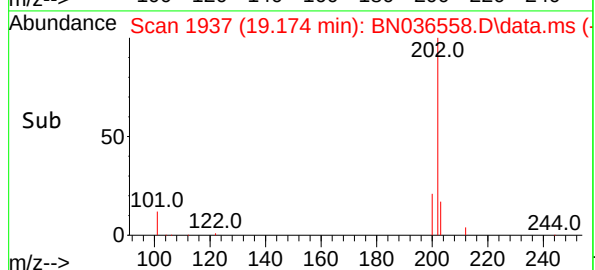
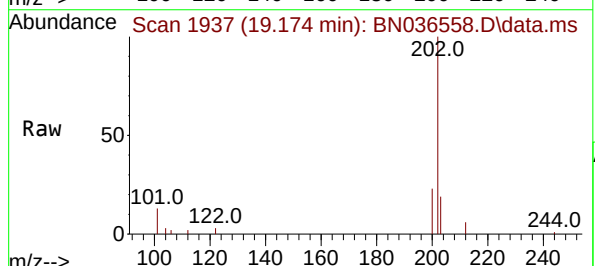
Manual Integrations
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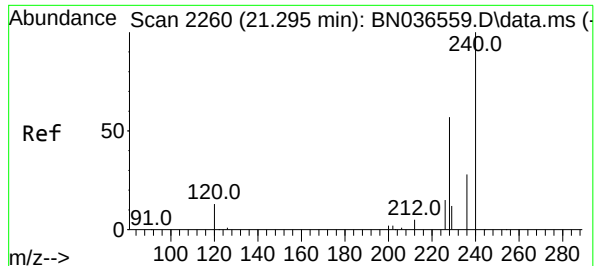
Reviewed By :Anahy Claudio 03/11/2025
Supervised By :Jagrut Upadhyay 03/11/2025



#28
Fluoranthene
Concen: 0.184 ng
RT: 19.174 min Scan# 1937
Delta R.T. 0.000 min
Lab File: BN036558.D
Acq: 10 Mar 2025 12:18

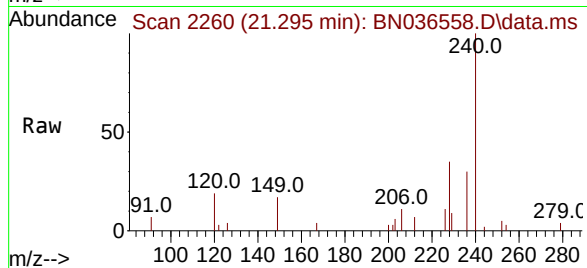
Tgt Ion:202 Resp: 4666
Ion Ratio Lower Upper
202 100
101 12.1 9.4 14.0
203 17.1 13.5 20.3





#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.295 min Scan# 2126
Delta R.T. 0.000 min
Lab File: BN036558.D
Acq: 10 Mar 2025 12:18

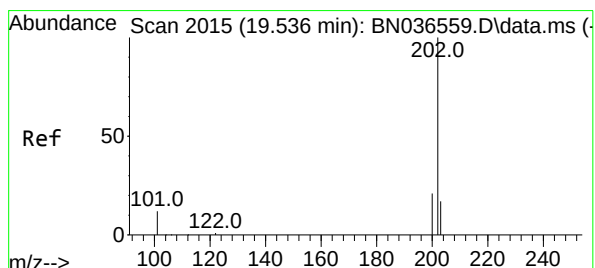
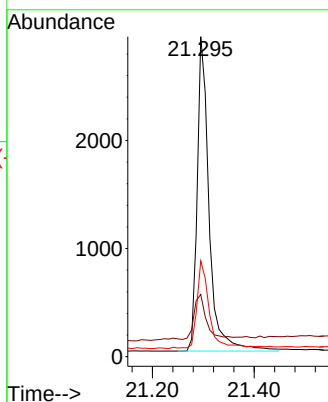
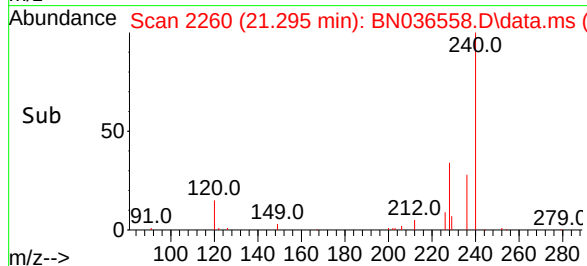
Instrument :
BNA_N
ClientSampleId :
SSTDICC0.2



Tgt Ion:240 Resp: 4730
Ion Ratio Lower Upper
240 100
120 19.5 14.6 22.0
236 29.9 24.1 36.1

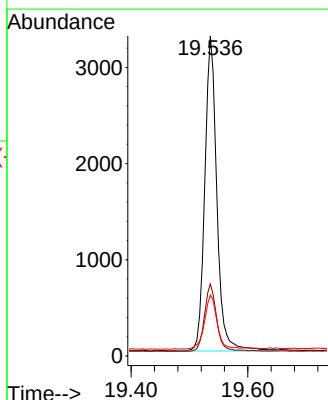
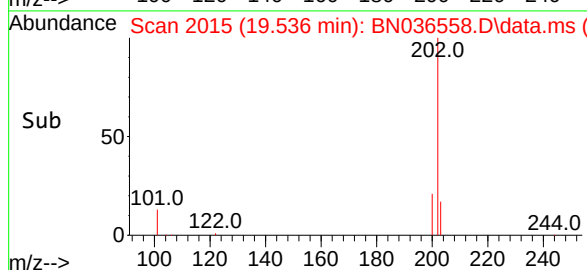
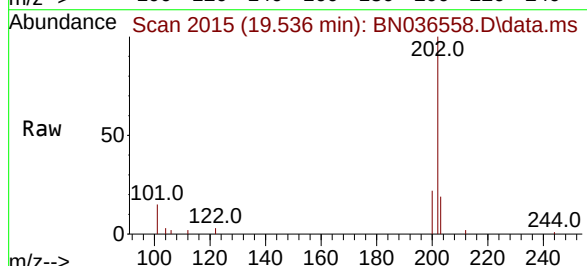
Manual Integrations
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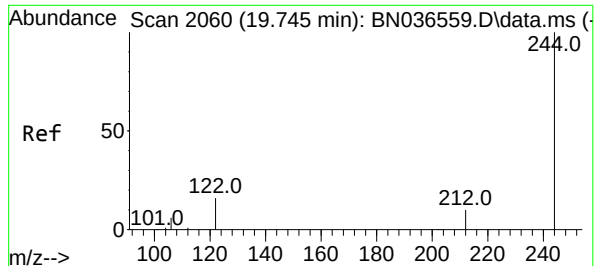
Reviewed By :Anahy Claudio 03/11/2025
Supervised By :Jagrut Upadhyay 03/11/2025



#30
Pyrene
Concen: 0.205 ng
RT: 19.536 min Scan# 2015
Delta R.T. 0.000 min
Lab File: BN036558.D
Acq: 10 Mar 2025 12:18

Tgt Ion:202 Resp: 4742
Ion Ratio Lower Upper
202 100
200 21.1 17.1 25.7
203 17.7 14.1 21.1





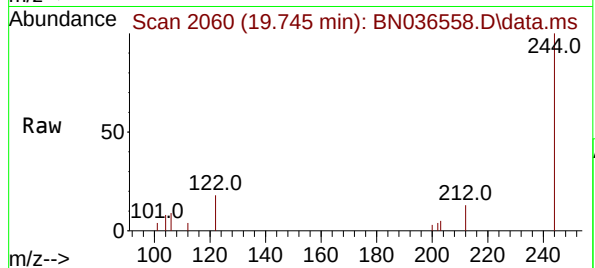
#31
Terphenyl-d14
Concen: 0.201 ng
RT: 19.745 min Scan# 2060
Delta R.T. 0.000 min
Lab File: BN036558.D
Acq: 10 Mar 2025 12:18

Instrument :

BNA_N

ClientSampleId :

SSTDICC0.2

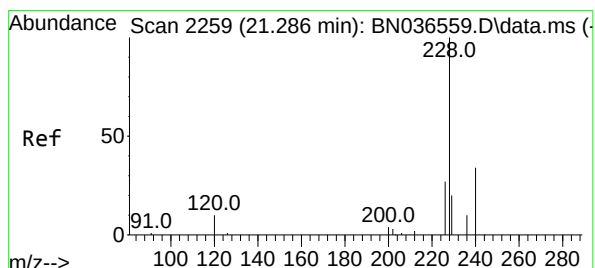
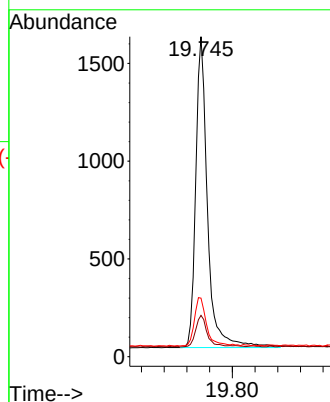
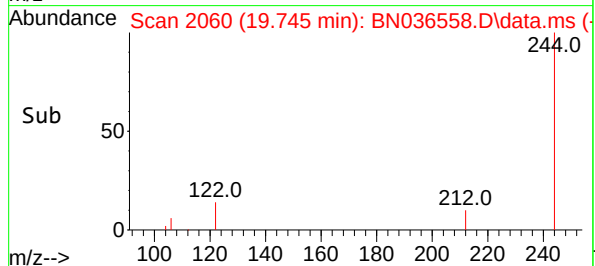


Tgt Ion:244 Resp: 228
Ion Ratio Lower Upper
244 100
212 12.9 9.6 14.4
122 18.3 13.9 20.9

Manual Integrations

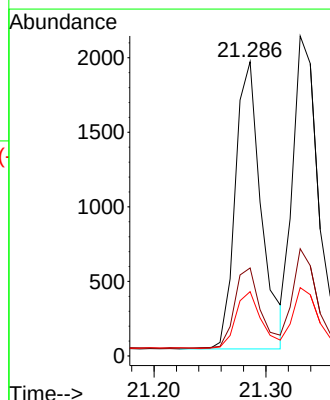
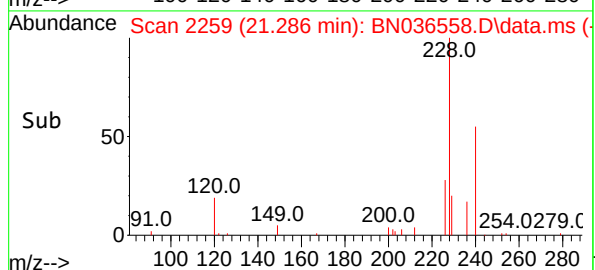
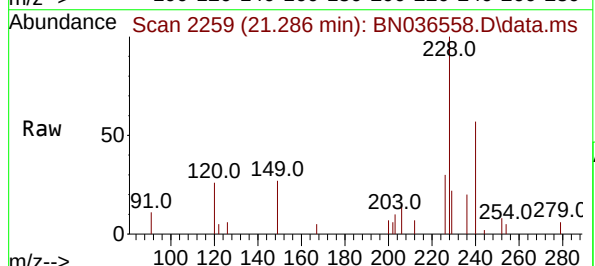
APPROVED

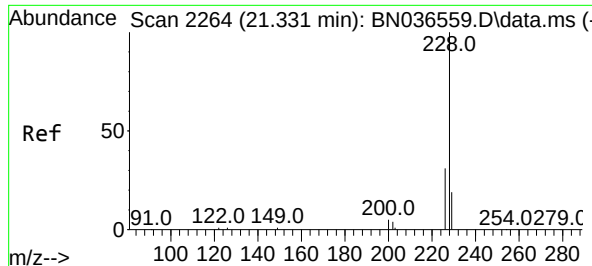
Reviewed By :Anahy Claudio 03/11/2025
Supervised By :Jagrut Upadhyay 03/11/2025



#32
Benzo(a)anthracene
Concen: 0.189 ng
RT: 21.286 min Scan# 2259
Delta R.T. 0.000 min
Lab File: BN036558.D
Acq: 10 Mar 2025 12:18

Tgt Ion:228 Resp: 3111
Ion Ratio Lower Upper
228 100
226 29.9 22.5 33.7
229 21.9 16.6 25.0





#33

Chrysene

Concen: 0.199 ng

RT: 21.331 min Scan# 21

Delta R.T. 0.000 min

Lab File: BN036558.D

Acq: 10 Mar 2025 12:18

Instrument :

BNA_N

ClientSampleId :

SSTDICC0.2

Tgt Ion:228 Resp: 356

Ion Ratio Lower Upper

228 100

226 33.5 25.3 37.9

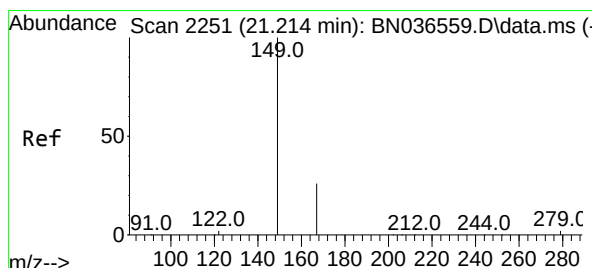
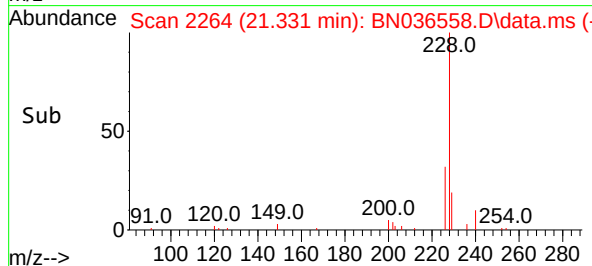
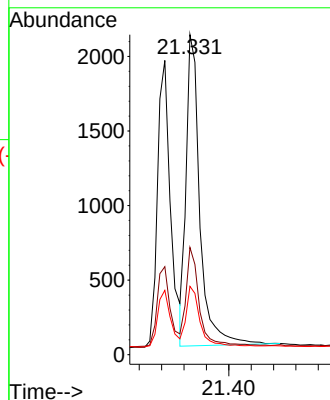
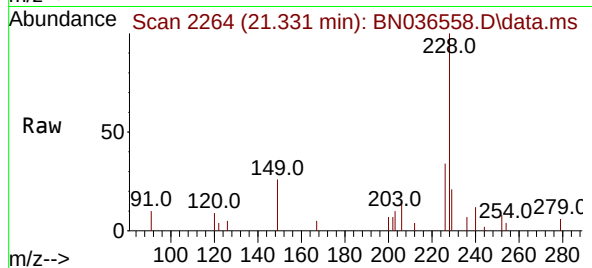
229 21.4 15.8 23.8

Manual Integrations

APPROVED

Reviewed By :Anahy Claudio 03/11/2025

Supervised By :Jagrut Upadhyay 03/11/2025



#34

Bis(2-ethylhexyl)phthalate

Concen: 0.222 ng

RT: 21.214 min Scan# 2251

Delta R.T. 0.000 min

Lab File: BN036558.D

Acq: 10 Mar 2025 12:18

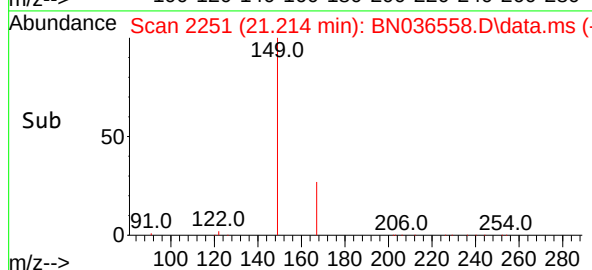
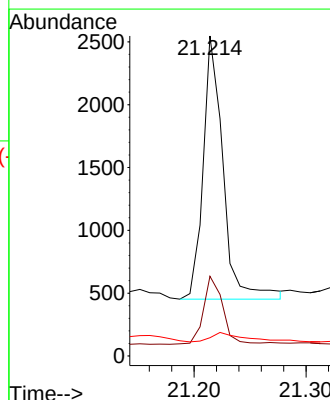
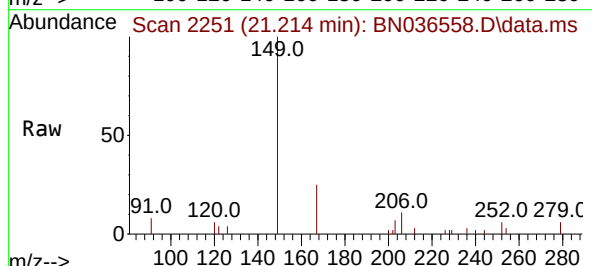
Tgt Ion:149 Resp: 2601

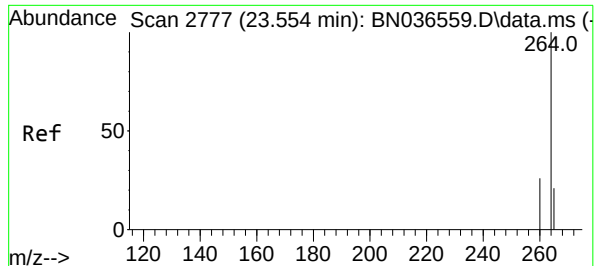
Ion Ratio Lower Upper

149 100

167 24.7 20.7 31.1

279 5.7 3.6 5.4#





#35

Perylene-d12

Concen: 0.400 ng

RT: 23.554 min Scan# 21

Delta R.T. 0.000 min

Lab File: BN036558.D

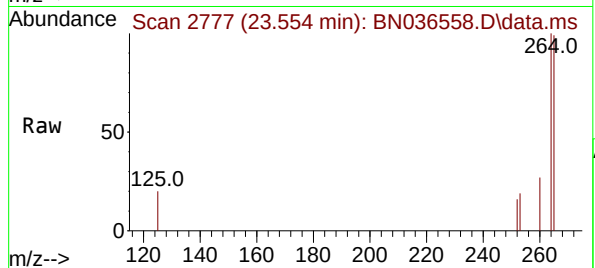
Acq: 10 Mar 2025 12:18

Instrument :

BNA_N

ClientSampleId :

SSTDICC0.2



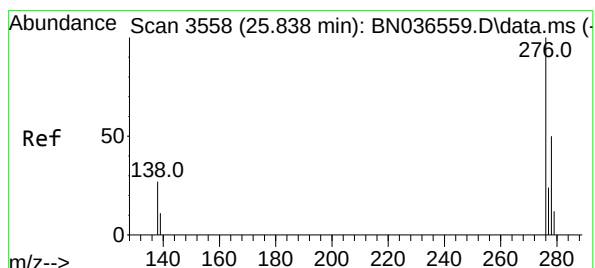
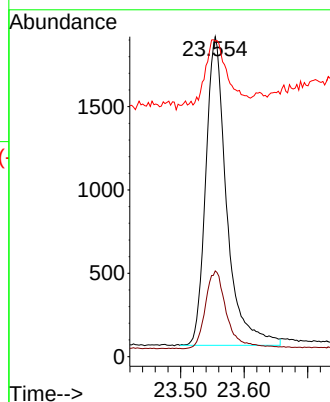
Tgt Ion:264 Resp: 424

Ion	Ratio	Lower	Upper
264	100		
260	26.8	22.6	33.8
265	98.5	88.1	132.1

Manual Integrations

APPROVED

Reviewed By :Anahy Claudio 03/11/2025
Supervised By :Jagrut Upadhyay 03/11/2025



#36

Indeno(1,2,3-cd)pyrene

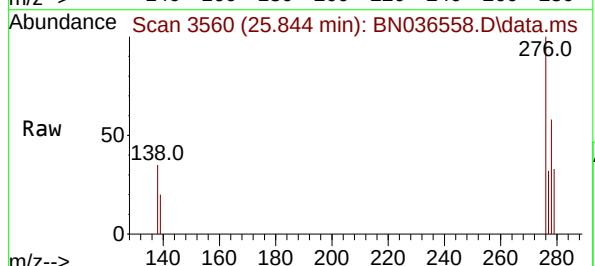
Concen: 0.182 ng

RT: 25.844 min Scan# 3560

Delta R.T. 0.006 min

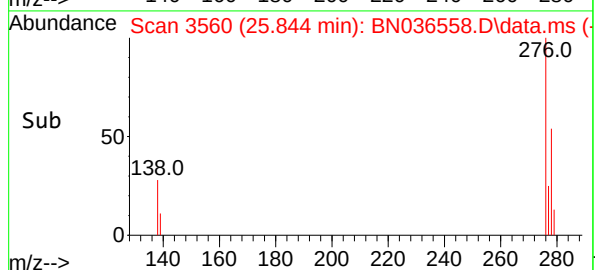
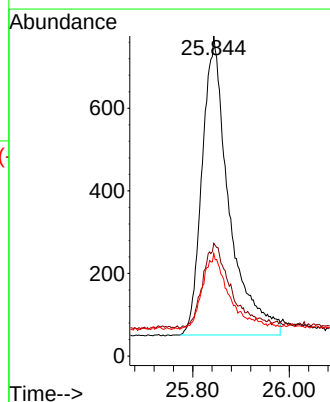
Lab File: BN036558.D

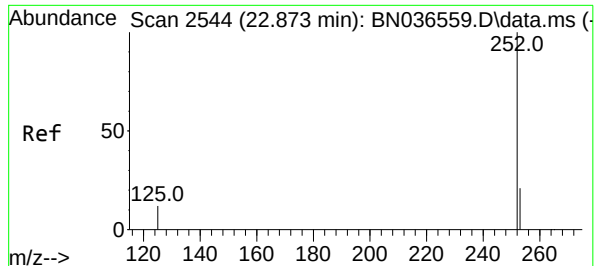
Acq: 10 Mar 2025 12:18



Tgt Ion:276 Resp: 2790

Ion	Ratio	Lower	Upper
276	100		
138	29.1	23.4	35.2
277	23.4	20.0	30.0





#37

Benzo(b)fluoranthene

Concen: 0.187 ng

RT: 22.876 min Scan# 2544

Delta R.T. 0.003 min

Lab File: BN036558.D

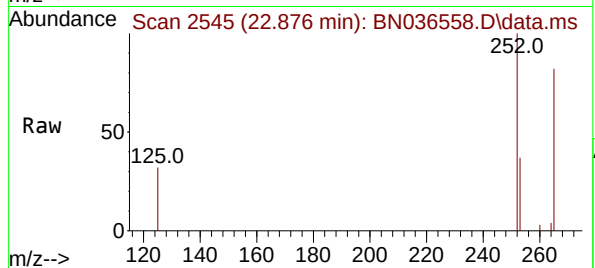
Acq: 10 Mar 2025 12:18

Instrument :

BNA_N

ClientSampleId :

SSTDICC0.2



Tgt Ion:252 Resp: 288

Ion Ratio Lower Upper

252 100

253 37.1 23.9 35.9

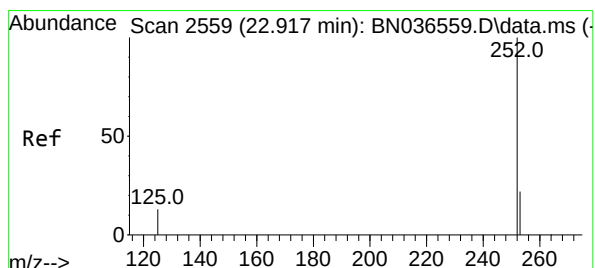
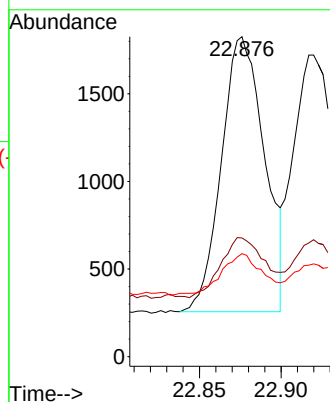
125 32.2 17.4 26.2

Manual Integrations

APPROVED

Reviewed By :Anahy Claudio 03/11/2025

Supervised By :Jagrut Upadhyay 03/11/2025



#38

Benzo(k)fluoranthene

Concen: 0.183 ng

RT: 22.917 min Scan# 2559

Delta R.T. 0.000 min

Lab File: BN036558.D

Acq: 10 Mar 2025 12:18

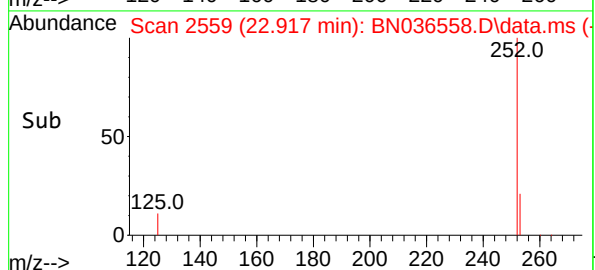
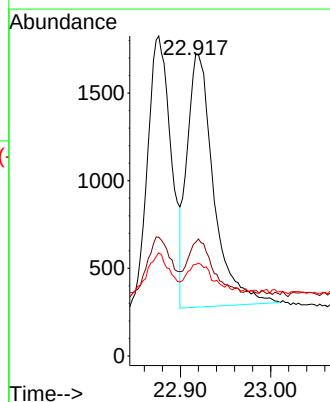
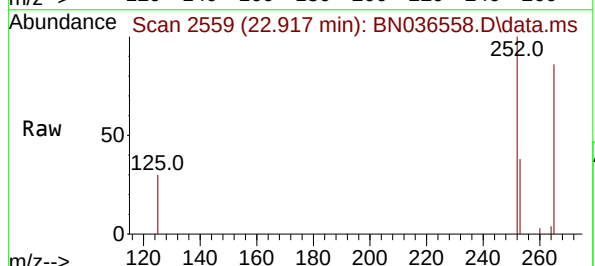
Tgt Ion:252 Resp: 2962

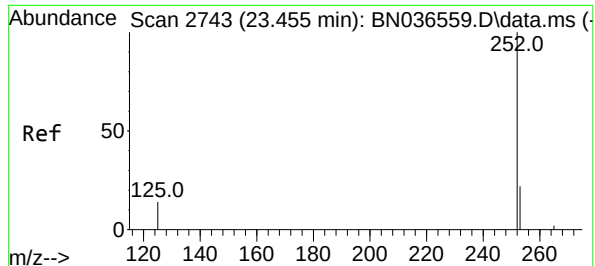
Ion Ratio Lower Upper

252 100

253 37.7 24.6 36.8#

125 30.3 17.8 26.8#





#39

Benzo(a)pyrene

Concen: 0.188 ng

RT: 23.458 min Scan# 21

Delta R.T. 0.003 min

Lab File: BN036558.D

Acq: 10 Mar 2025 12:18

Instrument :

BNA_N

ClientSampleId :

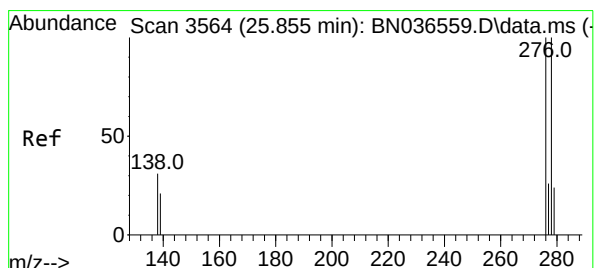
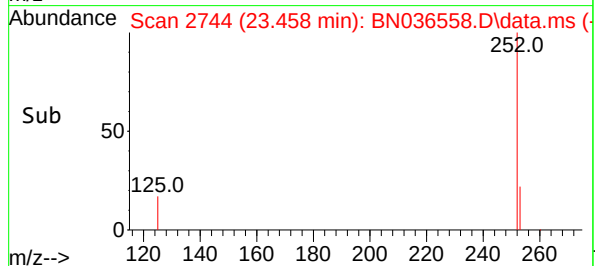
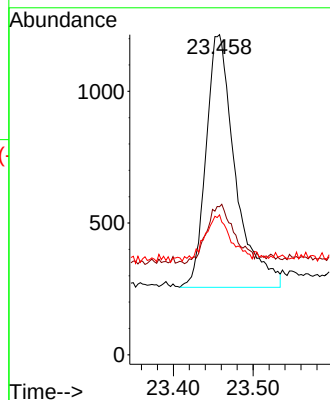
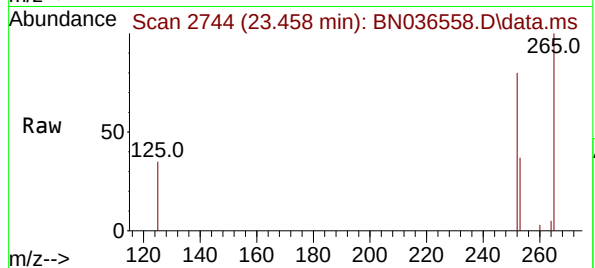
SSTDICC0.2

Tgt Ion:	252	Resp:	244
Ion	Ratio	Lower	Upper
252	100		
253	46.3	27.8	41.8
125	43.7	22.7	34.1

Manual Integrations

APPROVED

Reviewed By :Anahy Claudio 03/11/2025
Supervised By :Jagrut Upadhyay 03/11/2025



#40

Dibenzo(a,h)anthracene

Concen: 0.175 ng

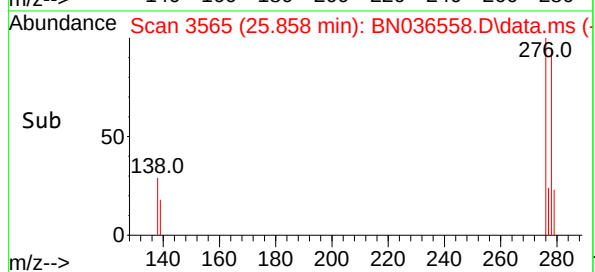
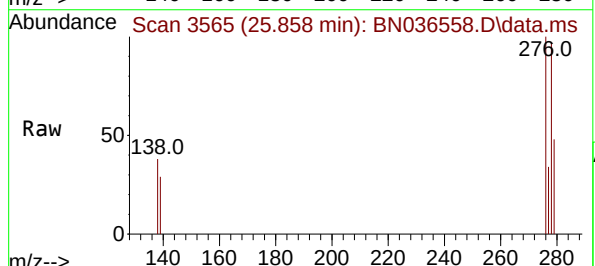
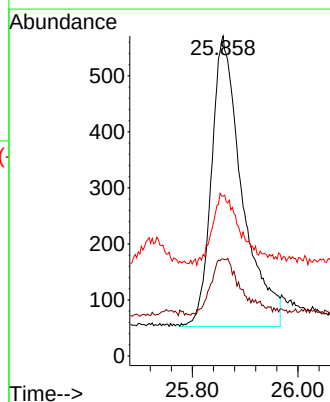
RT: 25.858 min Scan# 3565

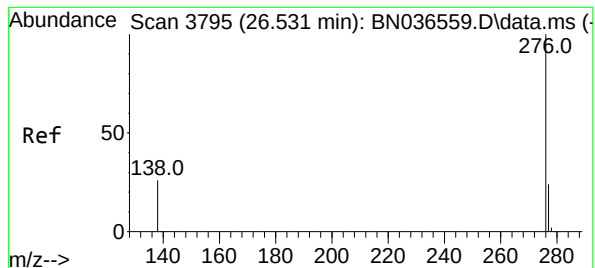
Delta R.T. 0.003 min

Lab File: BN036558.D

Acq: 10 Mar 2025 12:18

Tgt Ion:	278	Resp:	2080
Ion	Ratio	Lower	Upper
278	100		
139	30.3	20.8	31.2
279	49.9	28.8	43.2





#41

Benzo(g,h,i)perylene

Concen: 0.189 ng

RT: 26.536 min Scan# 31

Delta R.T. 0.006 min

Lab File: BN036558.D

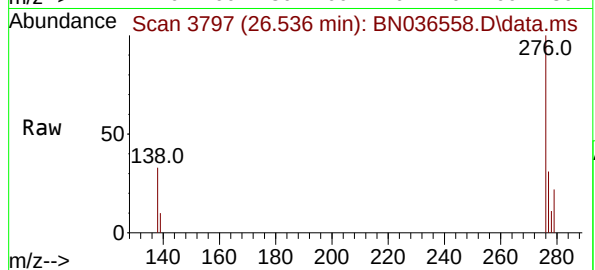
Acq: 10 Mar 2025 12:18

Instrument :

BNA_N

ClientSampleId :

SSTDICC0.2



Tgt Ion:276 Resp: 257

Ion Ratio Lower Upper

276 100

277 31.2 22.2 33.4

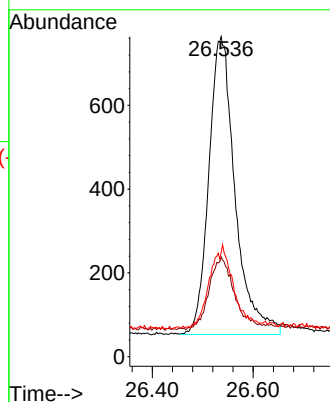
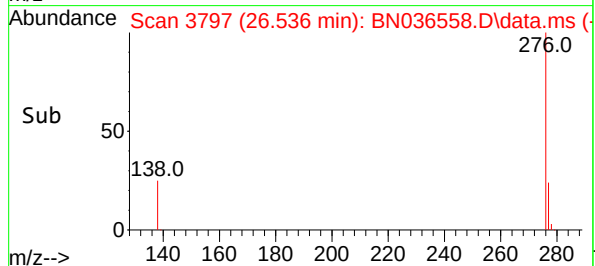
138 32.6 24.1 36.1

Manual Integrations

APPROVED

Reviewed By :Anahy Claudio 03/11/2025

Supervised By :Jagrut Upadhyay 03/11/2025



Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN031025\
 Data File : BN036559.D
 Acq On : 10 Mar 2025 12:54
 Operator : RC/JU
 Sample : SSTDICCC0.4
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 SSTDICCC0.4

Quant Time: Mar 10 16:01:26 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN031025.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Mar 10 15:54:23 2025
 Response via : Initial Calibration

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

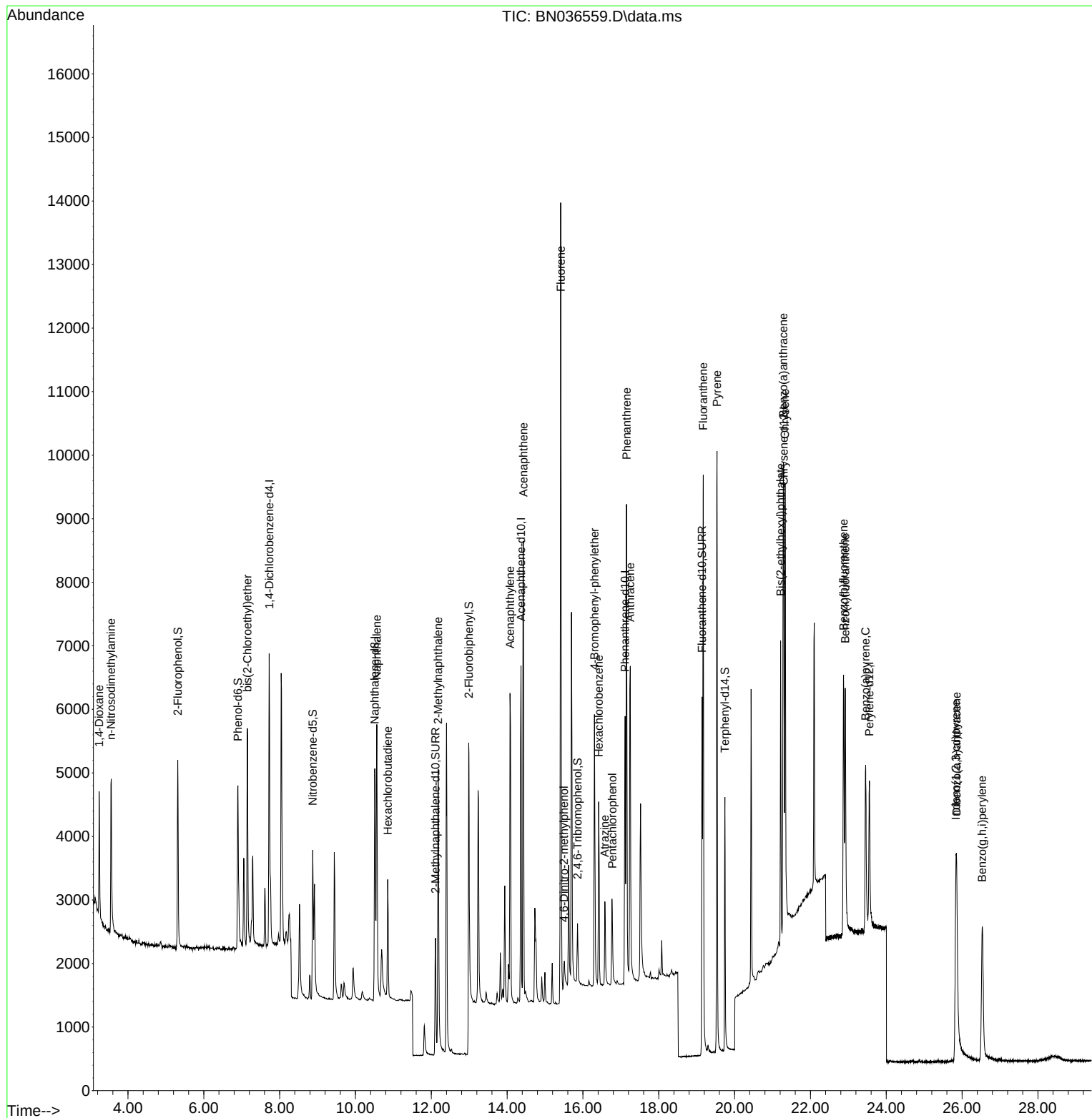
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.724	152	2207	0.400	ng	0.00
7) Naphthalene-d8	10.509	136	5091	0.400	ng	0.00
13) Acenaphthene-d10	14.366	164	3026	0.400	ng	0.00
19) Phenanthrene-d10	17.111	188	6005	0.400	ng	0.00
29) Chrysene-d12	21.295	240	4110	0.400	ng	0.00
35) Perylene-d12	23.554	264	3539	0.400	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.312	112	2178	0.423	ng	0.00
5) Phenol-d6	6.901	99	2489	0.392	ng	0.00
8) Nitrobenzene-d5	8.875	82	2113	0.382	ng	0.00
11) 2-Methylnaphthalene-d10	12.111	152	3085	0.407	ng	0.00
14) 2,4,6-Tribromophenol	15.858	330	567	0.413	ng	0.00
15) 2-Fluorobiphenyl	12.988	172	7257	0.412	ng	0.00
27) Fluoranthene-d10	19.141	212	6699	0.435	ng	0.00
31) Terphenyl-d14	19.745	244	4226	0.429	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	3.239	88	1099	0.449	ng	100
3) n-Nitrosodimethylamine	3.550	42	2063	0.417	ng	100
6) bis(2-Chloroethyl)ether	7.154	93	2610	0.397	ng	100
9) Naphthalene	10.562	128	6139	0.410	ng	100
10) Hexachlorobutadiene	10.850	225	1498	0.425	ng	# 100
12) 2-Methylnaphthalene	12.182	142	3897	0.409	ng	100
16) Acenaphthylene	14.077	152	5865	0.411	ng	100
17) Acenaphthene	14.430	154	3877	0.415	ng	100
18) Fluorene	15.414	166	5338	0.422	ng	100
20) 4,6-Dinitro-2-methylph...	15.499	198	462	0.447	ng	100
21) 4-Bromophenyl-phenylether	16.304	248	1644	0.437	ng	100
22) Hexachlorobenzene	16.416	284	2018	0.444	ng	100
23) Atrazine	16.577	200	1279	0.424	ng	100
24) Pentachlorophenol	16.776	266	821	0.396	ng	100
25) Phenanthrene	17.148	178	7786	0.432	ng	100
26) Anthracene	17.248	178	6886	0.424	ng	100
28) Fluoranthene	19.173	202	8717	0.431	ng	100
30) Pyrene	19.536	202	8759	0.436	ng	100
32) Benzo(a)anthracene	21.286	228	5908	0.413	ng	100
33) Chrysene	21.331	228	6617	0.424	ng	100
34) Bis(2-ethylhexyl)phtha...	21.214	149	4291	0.422	ng	100
36) Indeno(1,2,3-cd)pyrene	25.838	276	5470	0.428	ng	100
37) Benzo(b)fluoranthene	22.873	252	5475	0.425	ng	100
38) Benzo(k)fluoranthene	22.917	252	5732	0.424	ng	100
39) Benzo(a)pyrene	23.455	252	4612	0.425	ng	100
40) Dibenzo(a,h)anthracene	25.855	278	4117	0.414	ng	100
41) Benzo(g,h,i)perylene	26.531	276	4891	0.430	ng	100

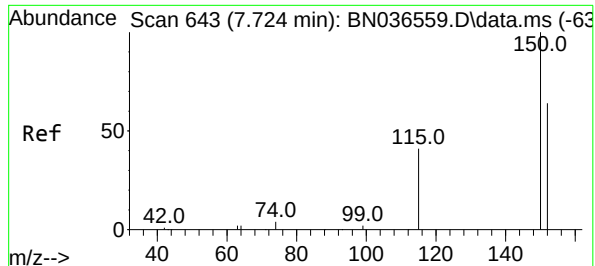
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN031025\
Data File : BN036559.D
Acq On : 10 Mar 2025 12:54
Operator : RC/JU
Sample : SSTDICCC0.4
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
SSTDICCC0.4

Quant Time: Mar 10 16:01:26 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN031025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Mar 10 15:54:23 2025
Response via : Initial Calibration

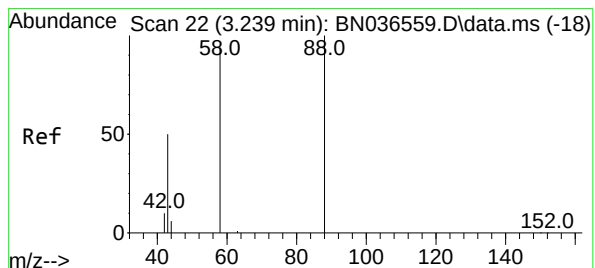
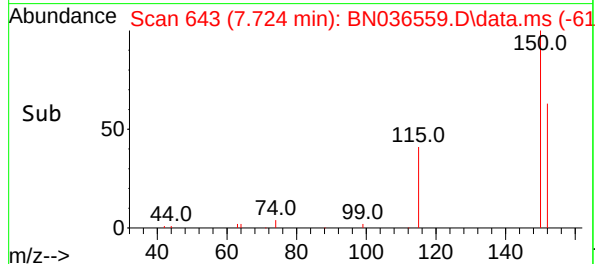
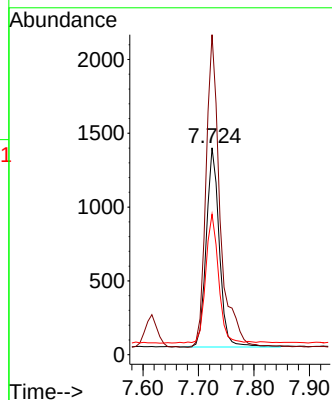
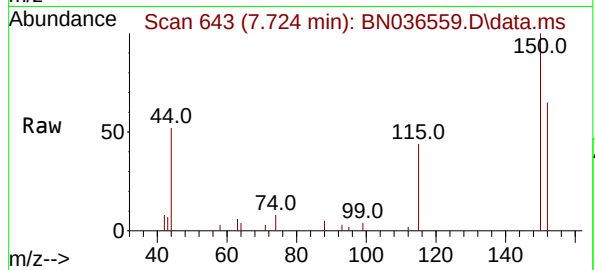




#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.724 min Scan# 64
Delta R.T. 0.000 min
Lab File: BN036559.D
Acq: 10 Mar 2025 12:54

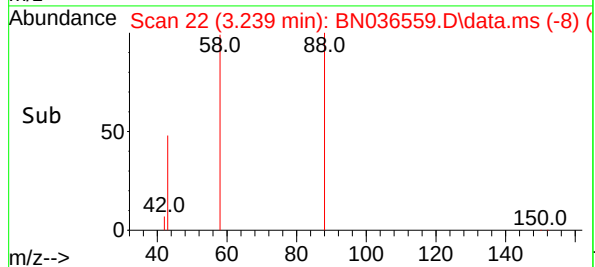
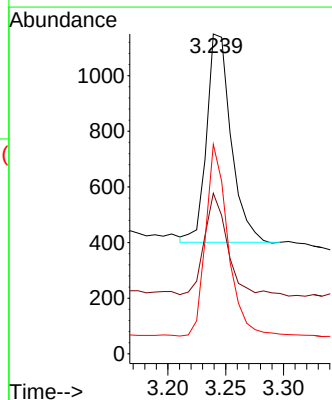
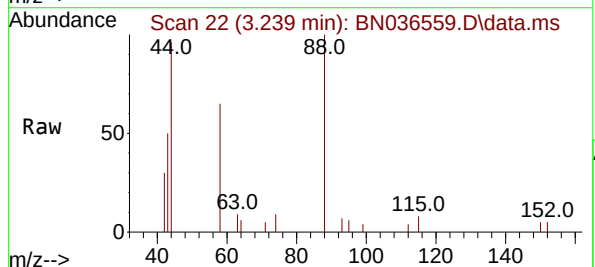
Instrument :
BNA_N
ClientSampleId :
SSTDICCC0.4

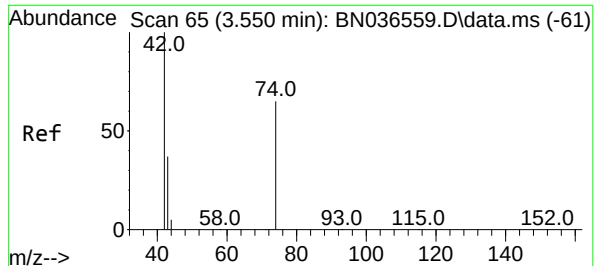
Tgt Ion:152 Resp: 2207
Ion Ratio Lower Upper
152 100
150 154.6 123.7 185.5
115 67.9 54.3 81.5



#2
1,4-Dioxane
Concen: 0.449 ng
RT: 3.239 min Scan# 22
Delta R.T. 0.000 min
Lab File: BN036559.D
Acq: 10 Mar 2025 12:54

Tgt Ion: 88 Resp: 1099
Ion Ratio Lower Upper
88 100
43 47.3 37.8 56.8
58 84.3 67.4 101.2

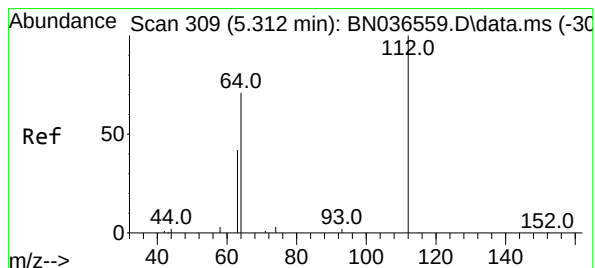
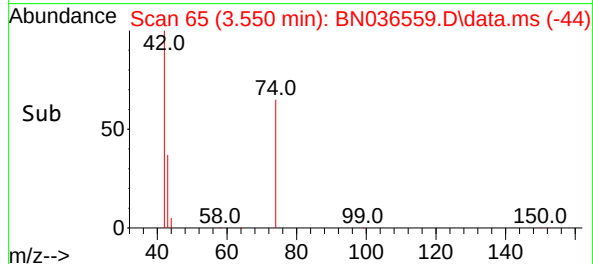
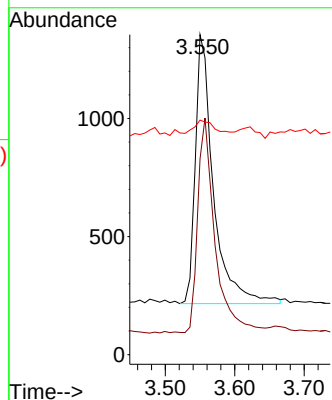
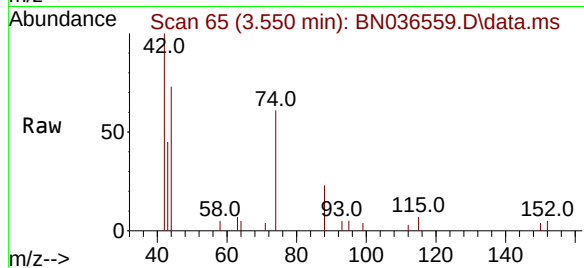




#3
n-Nitrosodimethylamine
Concen: 0.417 ng
RT: 3.550 min Scan# 61
Delta R.T. 0.000 min
Lab File: BN036559.D
Acq: 10 Mar 2025 12:54

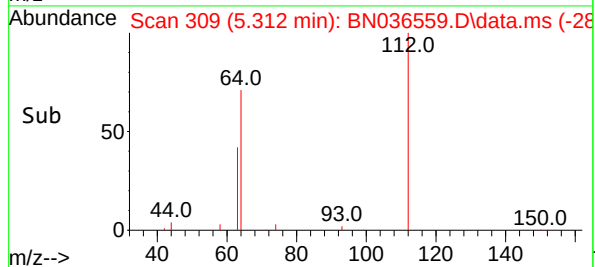
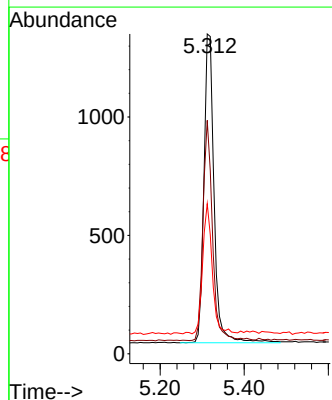
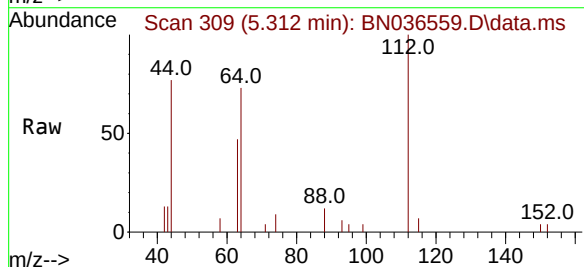
Instrument :
BNA_N
ClientSampleId :
SSTDICCC0.4

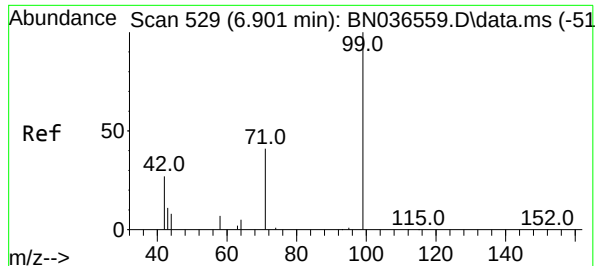
Tgt Ion: 42 Resp: 2063
Ion Ratio Lower Upper
42 100
74 75.7 60.6 90.8
44 7.9 6.3 9.5



#4
2-Fluorophenol
Concen: 0.423 ng
RT: 5.312 min Scan# 309
Delta R.T. 0.000 min
Lab File: BN036559.D
Acq: 10 Mar 2025 12:54

Tgt Ion: 112 Resp: 2178
Ion Ratio Lower Upper
112 100
64 66.4 53.1 79.7
63 39.8 31.8 47.8

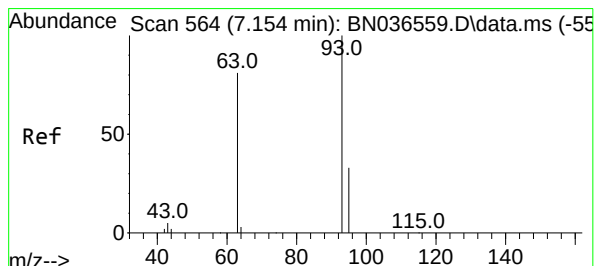
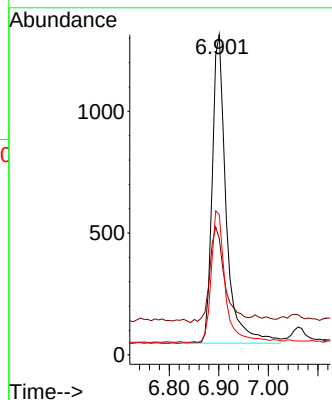
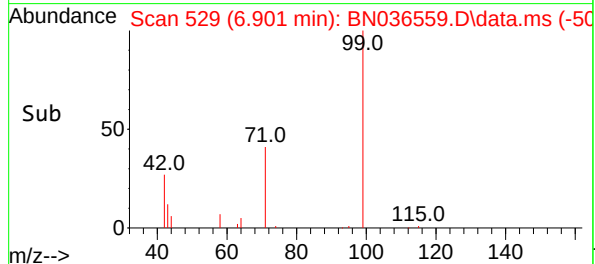
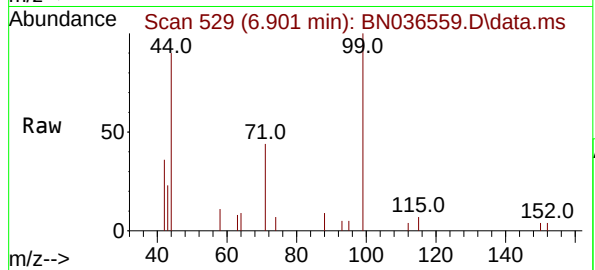




#5
Phenol-d6
Concen: 0.392 ng
RT: 6.901 min Scan# 51
Delta R.T. 0.000 min
Lab File: BN036559.D
Acq: 10 Mar 2025 12:54

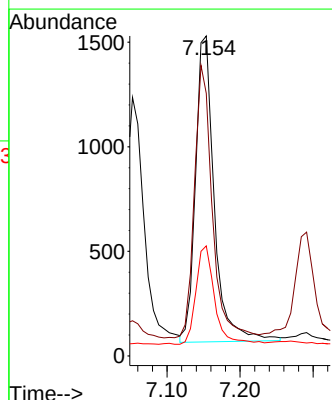
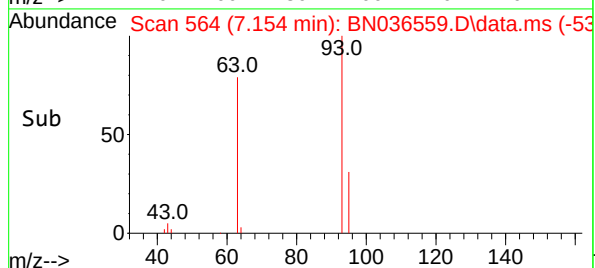
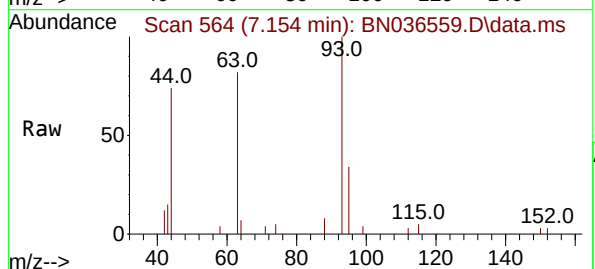
Instrument :
BNA_N
ClientSampleId :
SSTDICCC0.4

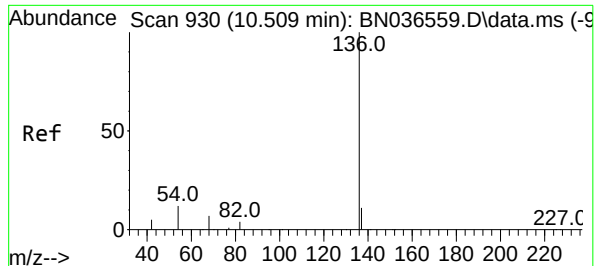
Tgt Ion: 99 Resp: 2489
Ion Ratio Lower Upper
99 100
42 33.1 26.5 39.7
71 42.6 34.1 51.1



#6
bis(2-Chloroethyl)ether
Concen: 0.397 ng
RT: 7.154 min Scan# 564
Delta R.T. 0.000 min
Lab File: BN036559.D
Acq: 10 Mar 2025 12:54

Tgt Ion: 93 Resp: 2610
Ion Ratio Lower Upper
93 100
63 84.6 67.7 101.5
95 32.0 25.6 38.4

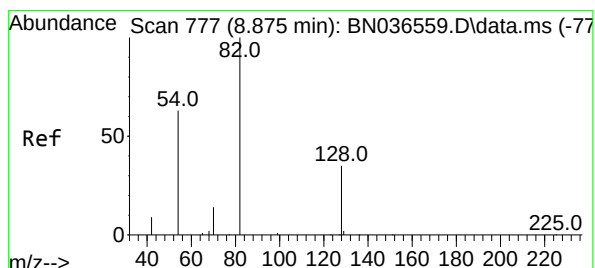
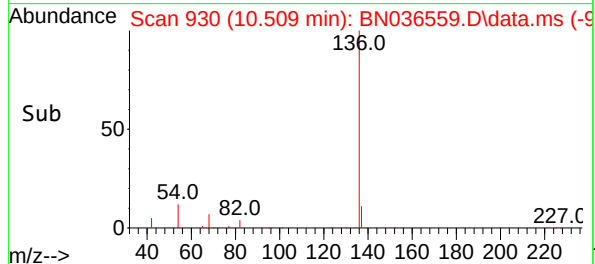
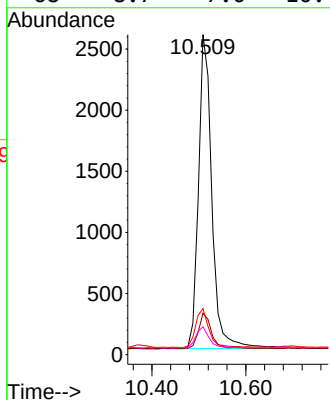
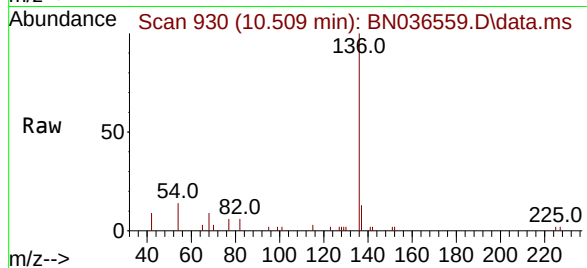




#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.509 min Scan# 91
Delta R.T. 0.000 min
Lab File: BN036559.D
Acq: 10 Mar 2025 12:54

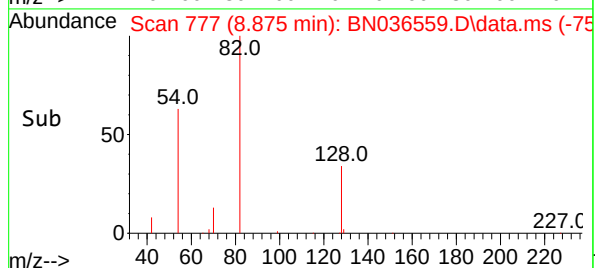
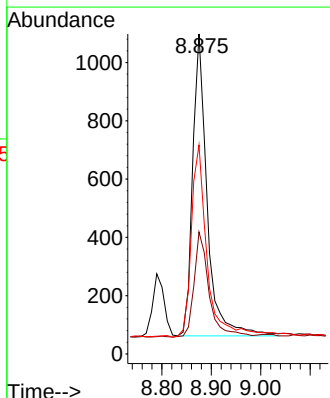
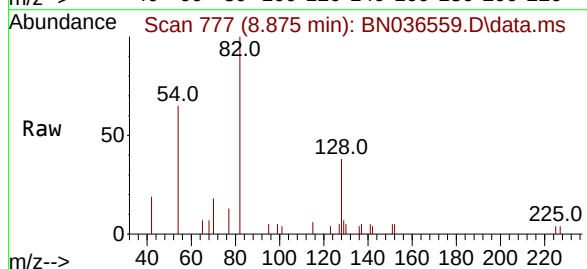
Instrument :
BNA_N
ClientSampleId :
SSTDICCC0.4

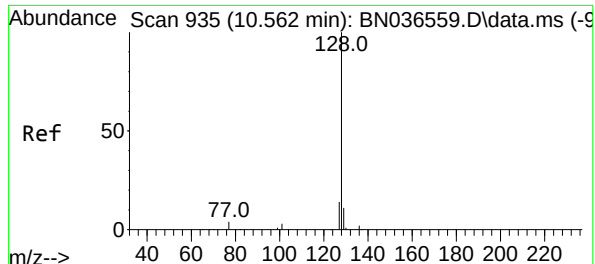
Tgt Ion:	136	Resp:	5091
Ion	Ratio	Lower	Upper
136	100		
137	12.9	10.3	15.5
54	14.4	11.5	17.3
68	8.7	7.0	10.4



#8
Nitrobenzene-d5
Concen: 0.382 ng
RT: 8.875 min Scan# 777
Delta R.T. 0.000 min
Lab File: BN036559.D
Acq: 10 Mar 2025 12:54

Tgt Ion:	82	Resp:	2113
Ion	Ratio	Lower	Upper
82	100		
128	38.2	30.6	45.8
54	65.3	52.2	78.4

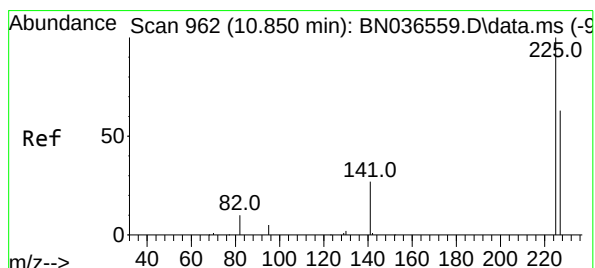
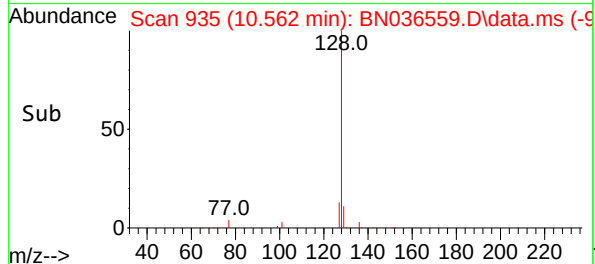
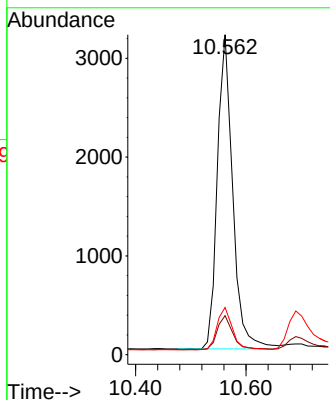
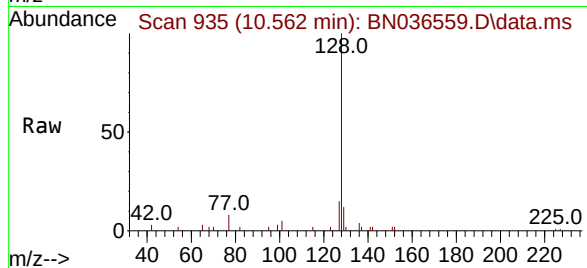




#9
Naphthalene
Concen: 0.410 ng
RT: 10.562 min Scan# 911
Delta R.T. 0.000 min
Lab File: BN036559.D
Acq: 10 Mar 2025 12:54

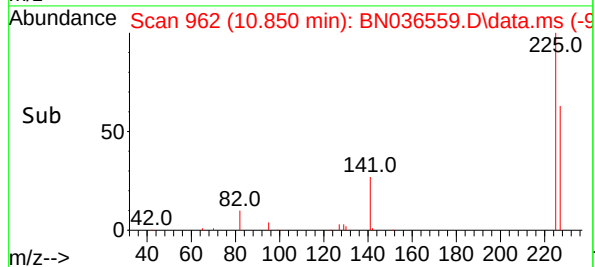
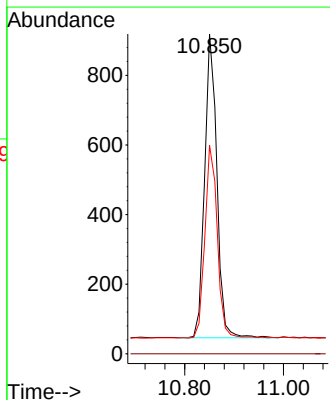
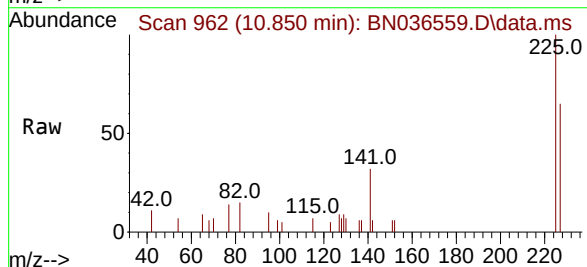
Instrument :
BNA_N
ClientSampleId :
SSTDICCC0.4

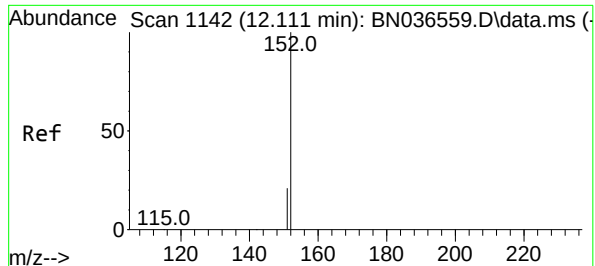
Tgt Ion:128 Resp: 6139
Ion Ratio Lower Upper
128 100
129 12.2 9.8 14.6
127 14.8 11.8 17.8



#10
Hexachlorobutadiene
Concen: 0.425 ng
RT: 10.850 min Scan# 962
Delta R.T. 0.000 min
Lab File: BN036559.D
Acq: 10 Mar 2025 12:54

Tgt Ion:225 Resp: 1498
Ion Ratio Lower Upper
225 100
223 0.0 0.0 0.0
227 64.8 51.8 77.8

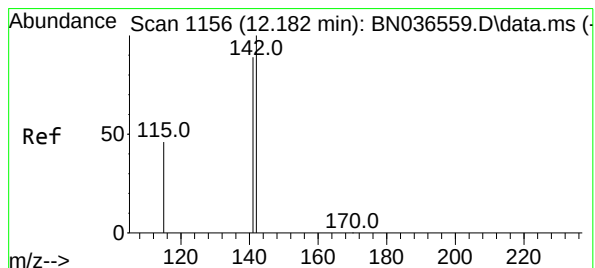
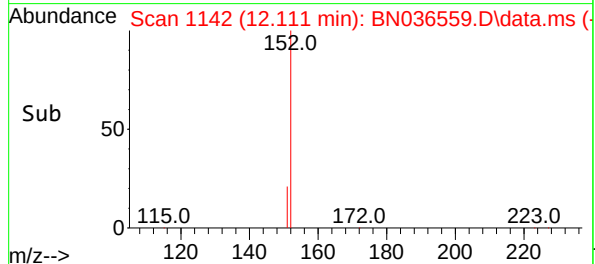
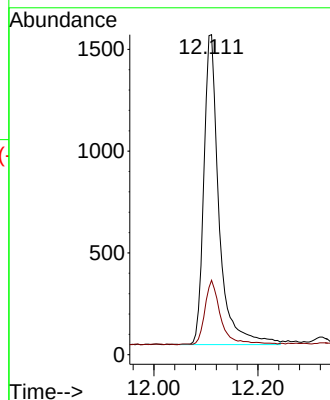
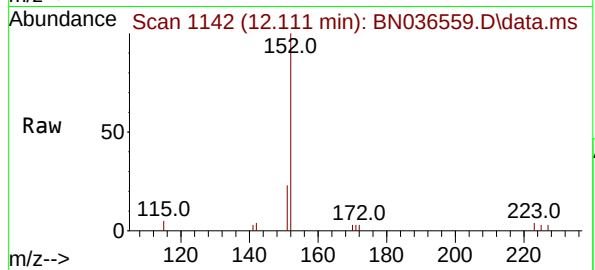




#11
2-Methylnaphthalene-d10
Concen: 0.407 ng
RT: 12.111 min Scan# 1142
Delta R.T. 0.000 min
Lab File: BN036559.D
Acq: 10 Mar 2025 12:54

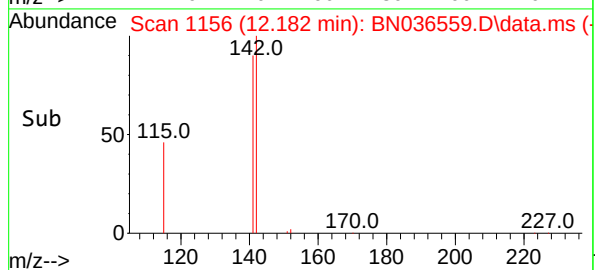
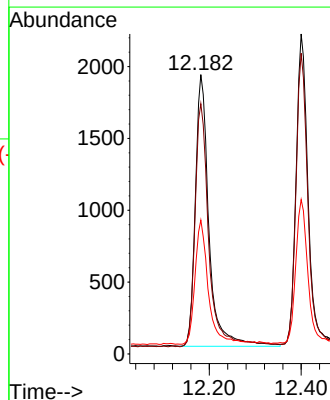
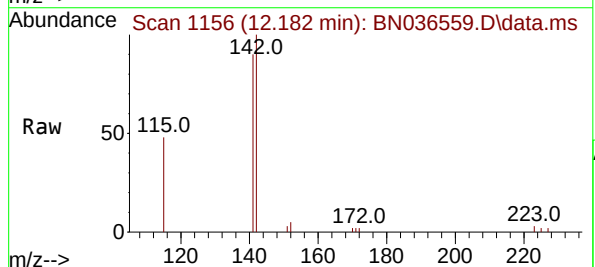
Instrument :
BNA_N
ClientSampleId :
SSTDICCC0.4

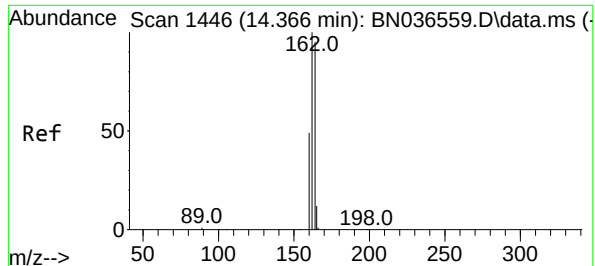
Tgt Ion:152 Resp: 3085
Ion Ratio Lower Upper
152 100
151 21.3 17.0 25.6



#12
2-Methylnaphthalene
Concen: 0.409 ng
RT: 12.182 min Scan# 1156
Delta R.T. 0.000 min
Lab File: BN036559.D
Acq: 10 Mar 2025 12:54

Tgt Ion:142 Resp: 3897
Ion Ratio Lower Upper
142 100
141 89.6 71.7 107.5
115 47.9 38.3 57.5

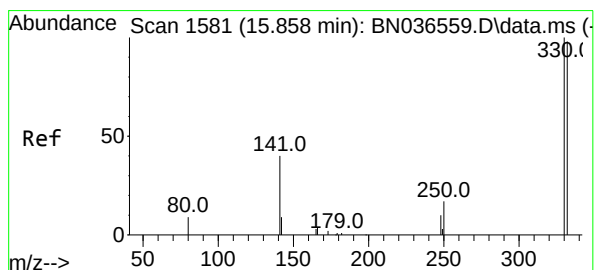
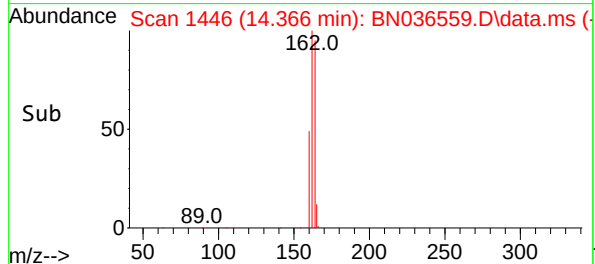
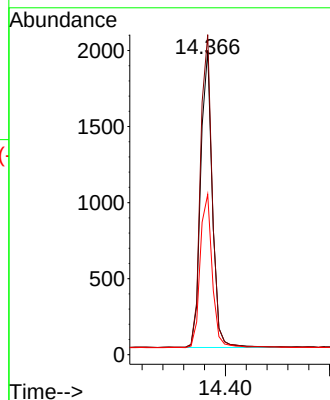
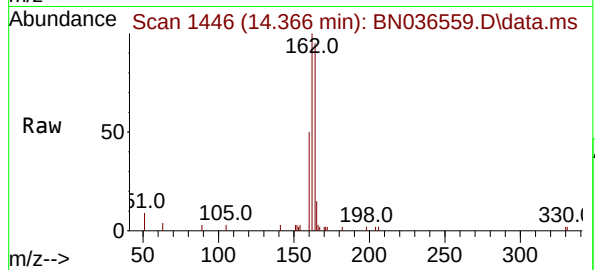




#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.366 min Scan# 1446
Delta R.T. 0.000 min
Lab File: BN036559.D
Acq: 10 Mar 2025 12:54

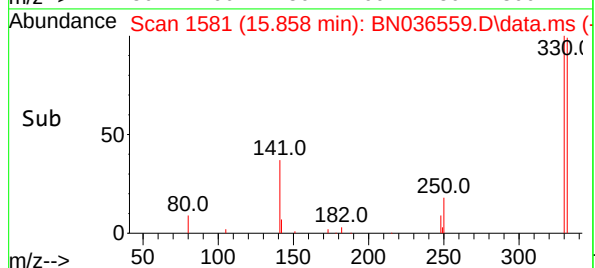
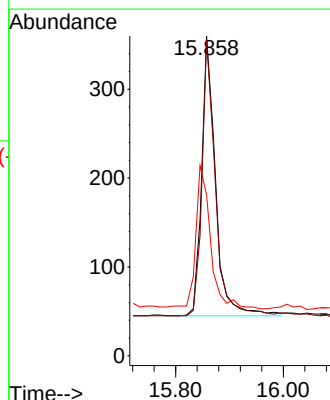
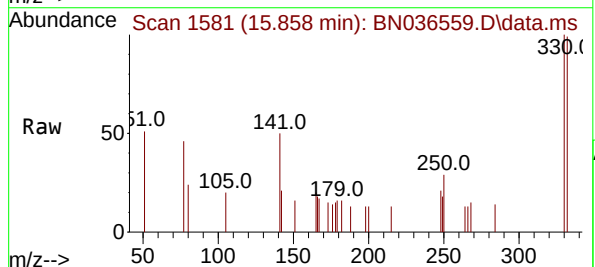
Instrument :
BNA_N
ClientSampleId :
SSTDICCC0.4

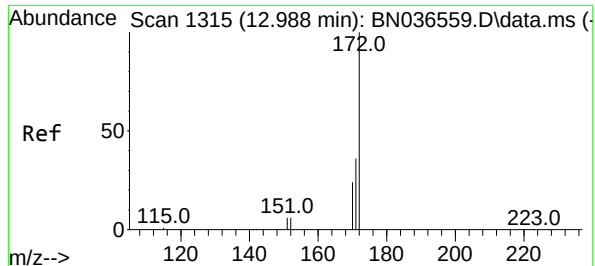
Tgt Ion:164 Resp: 3026
Ion Ratio Lower Upper
164 100
162 105.2 84.2 126.2
160 52.7 42.2 63.2



#14
2,4,6-Tribromophenol
Concen: 0.413 ng
RT: 15.858 min Scan# 1581
Delta R.T. 0.000 min
Lab File: BN036559.D
Acq: 10 Mar 2025 12:54

Tgt Ion:330 Resp: 567
Ion Ratio Lower Upper
330 100
332 94.0 75.2 112.8
141 54.3 43.4 65.2

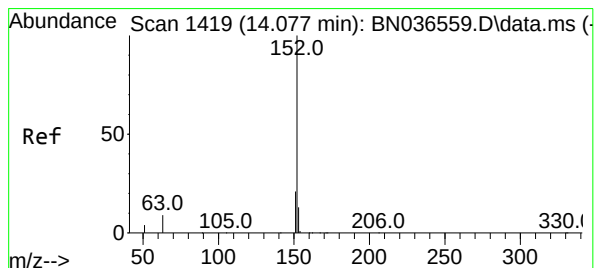
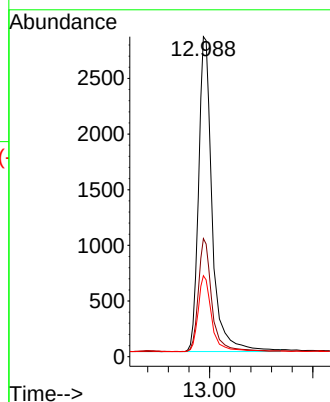
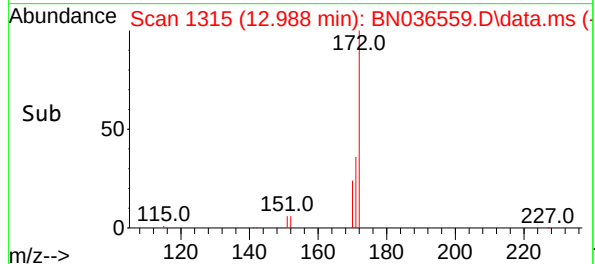
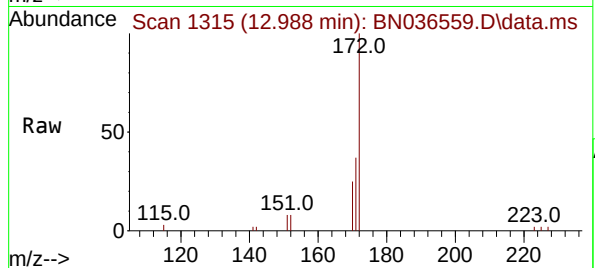




#15
2-Fluorobiphenyl
Concen: 0.412 ng
RT: 12.988 min Scan# 1315
Delta R.T. 0.000 min
Lab File: BN036559.D
Acq: 10 Mar 2025 12:54

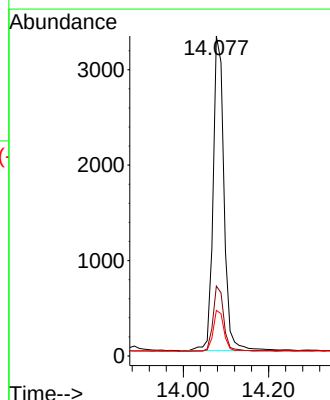
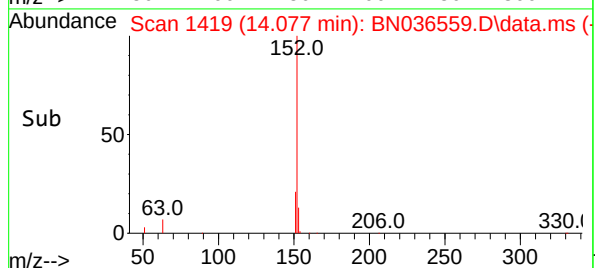
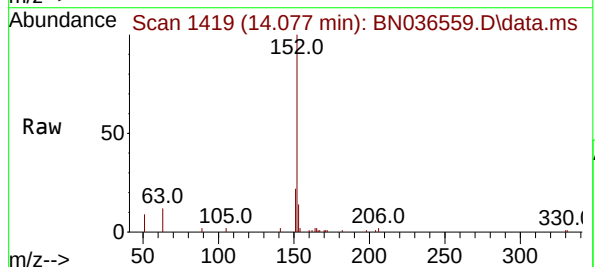
Instrument :
BNA_N
ClientSampleId :
SSTDICCC0.4

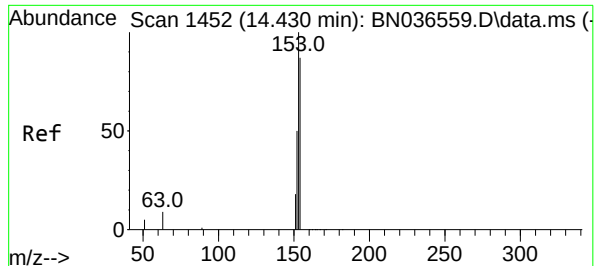
Tgt Ion:172 Resp: 7257
Ion Ratio Lower Upper
172 100
171 36.9 29.5 44.3
170 25.3 20.2 30.4



#16
Acenaphthylene
Concen: 0.411 ng
RT: 14.077 min Scan# 1419
Delta R.T. 0.000 min
Lab File: BN036559.D
Acq: 10 Mar 2025 12:54

Tgt Ion:152 Resp: 5865
Ion Ratio Lower Upper
152 100
151 20.3 16.2 24.4
153 13.2 10.6 15.8

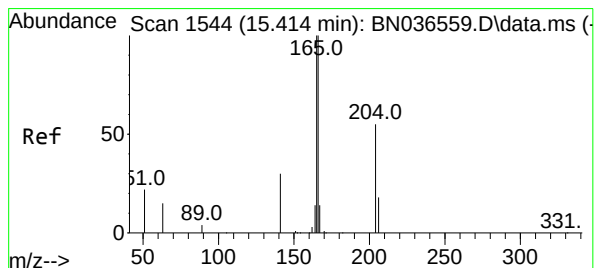
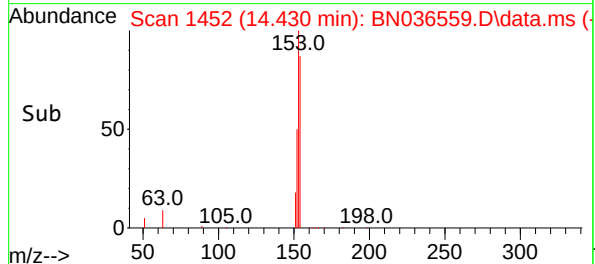
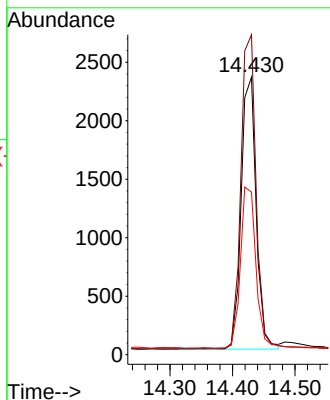
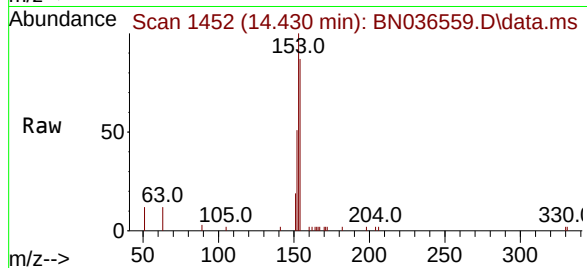




#17
Acenaphthene
Concen: 0.415 ng
RT: 14.430 min Scan# 1452
Delta R.T. 0.000 min
Lab File: BN036559.D
Acq: 10 Mar 2025 12:54

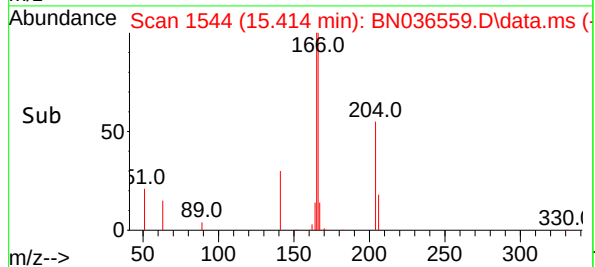
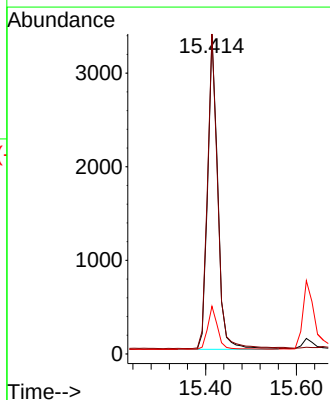
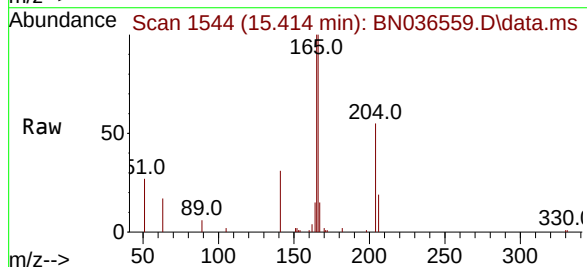
Instrument :
BNA_N
ClientSampleId :
SSTDICCC0.4

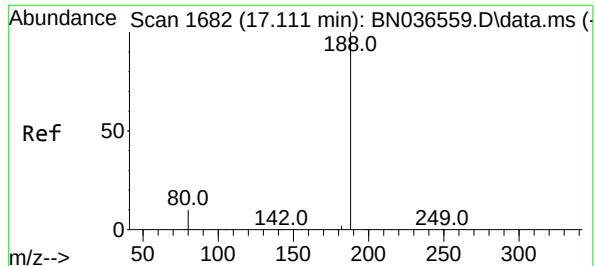
Tgt Ion:154 Resp: 3877
Ion Ratio Lower Upper
154 100
153 117.6 94.1 141.1
152 62.2 49.8 74.6



#18
Fluorene
Concen: 0.422 ng
RT: 15.414 min Scan# 1544
Delta R.T. 0.000 min
Lab File: BN036559.D
Acq: 10 Mar 2025 12:54

Tgt Ion:166 Resp: 5338
Ion Ratio Lower Upper
166 100
165 99.8 79.8 119.8
167 13.2 10.6 15.8





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 17.111 min Scan# 1

Delta R.T. 0.000 min

Lab File: BN036559.D

Acq: 10 Mar 2025 12:54

Instrument :

BNA_N

ClientSampleId :

SSTDICCC0.4

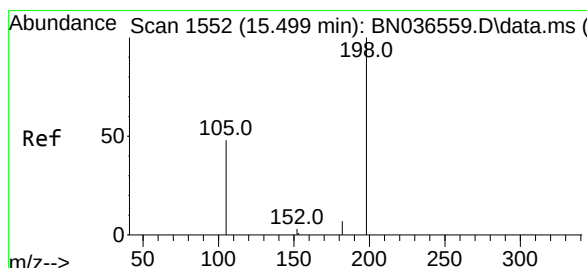
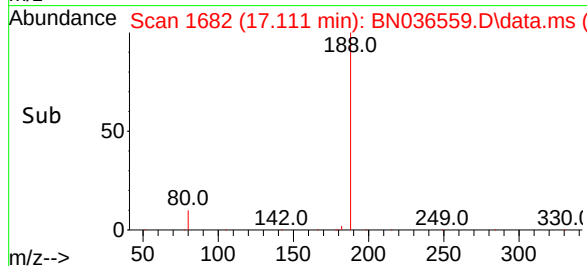
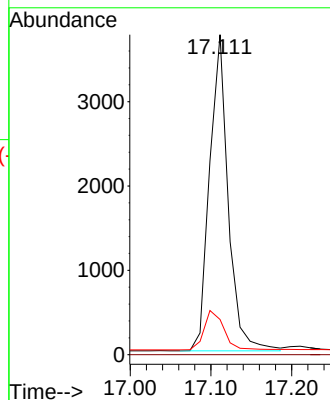
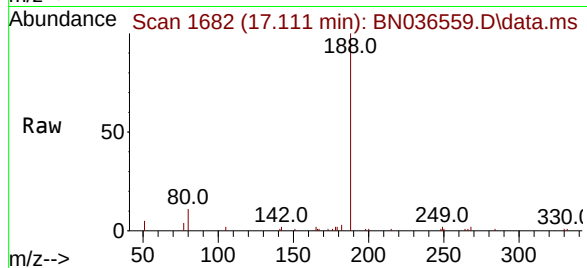
Tgt Ion:188 Resp: 6005

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

80 11.0 8.8 13.2



#20

4,6-Dinitro-2-methylphenol

Concen: 0.447 ng

RT: 15.499 min Scan# 1552

Delta R.T. 0.000 min

Lab File: BN036559.D

Acq: 10 Mar 2025 12:54

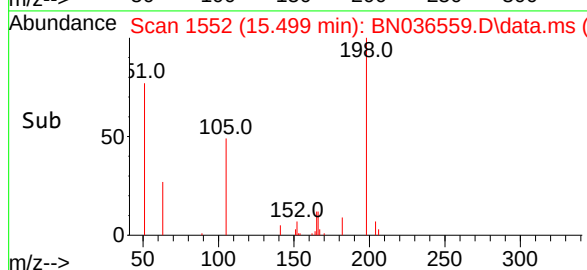
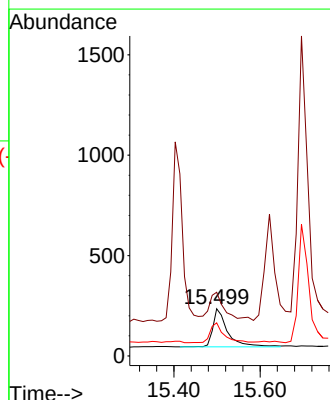
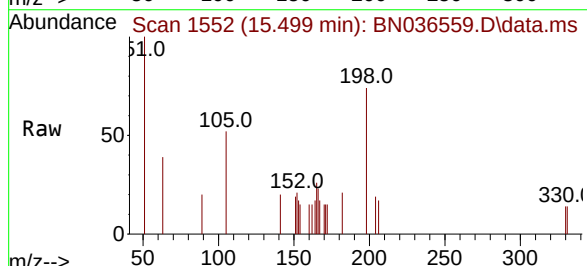
Tgt Ion:198 Resp: 462

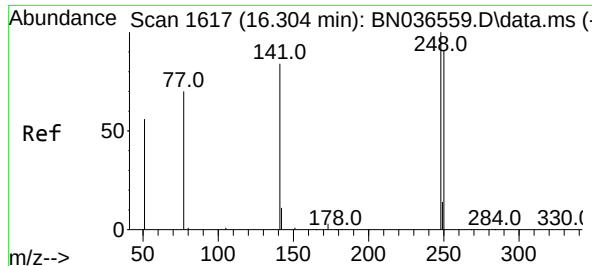
Ion Ratio Lower Upper

198 100

51 134.9 107.9 161.9

105 70.2 56.2 84.2

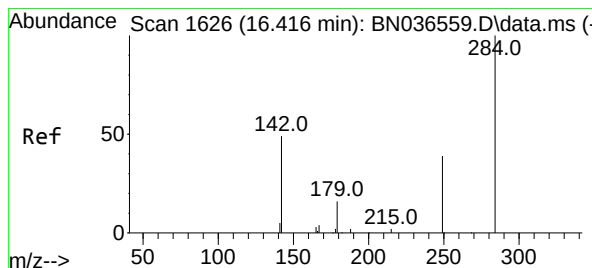
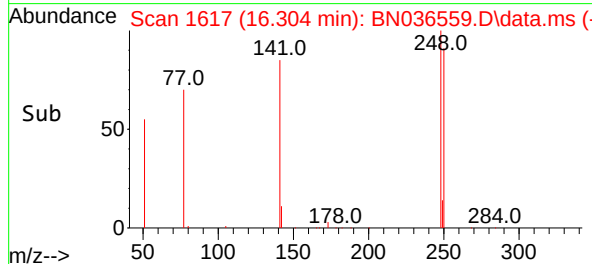
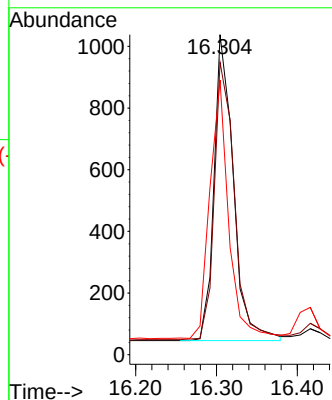
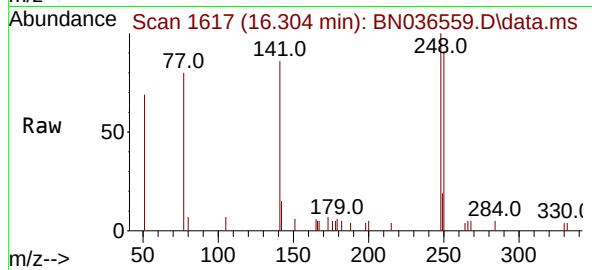




#21
4-Bromophenyl-phenylether
Concen: 0.437 ng
RT: 16.304 min Scan# 1617
Delta R.T. 0.000 min
Lab File: BN036559.D
Acq: 10 Mar 2025 12:54

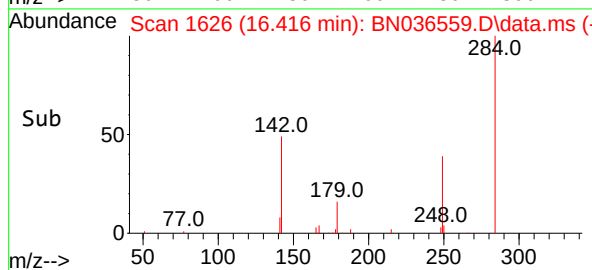
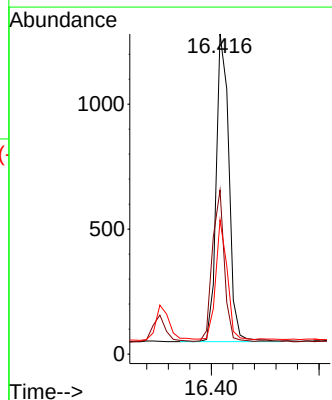
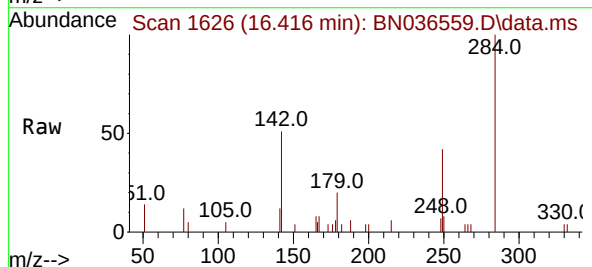
Instrument :
BNA_N
ClientSampleId :
SSTDICCC0.4

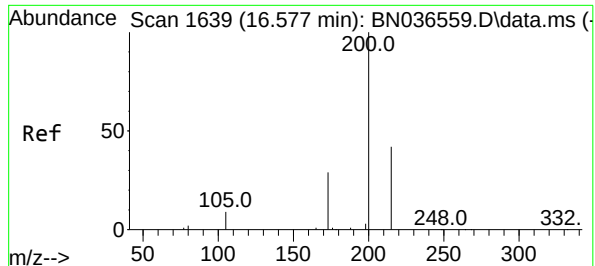
Tgt Ion	Ratio	Lower	Upper
248	100		
250	91.3	73.0	109.6
141	85.8	68.6	103.0



#22
Hexachlorobenzene
Concen: 0.444 ng
RT: 16.416 min Scan# 1626
Delta R.T. 0.000 min
Lab File: BN036559.D
Acq: 10 Mar 2025 12:54

Tgt Ion	Ratio	Lower	Upper
284	100		
142	46.2	37.0	55.4
249	35.1	28.1	42.1

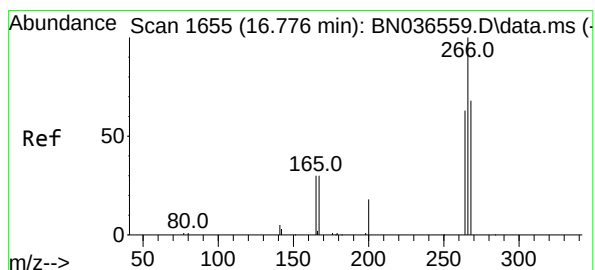
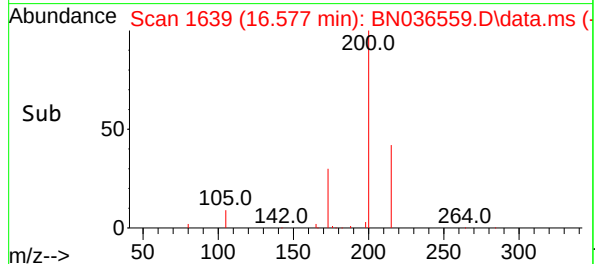
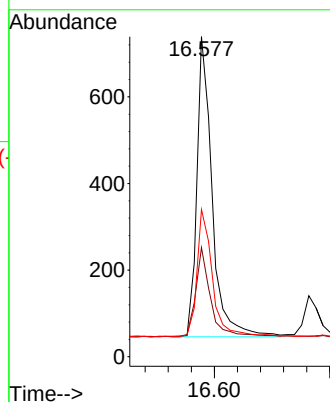
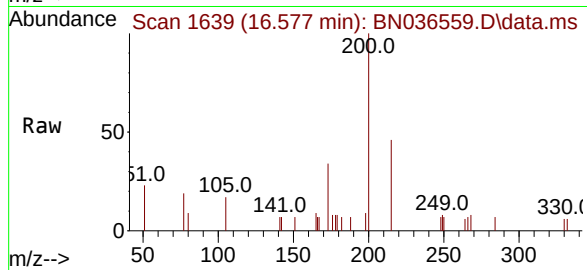




#23
Atrazine
Concen: 0.424 ng
RT: 16.577 min Scan# 1639
Delta R.T. 0.000 min
Lab File: BN036559.D
Acq: 10 Mar 2025 12:54

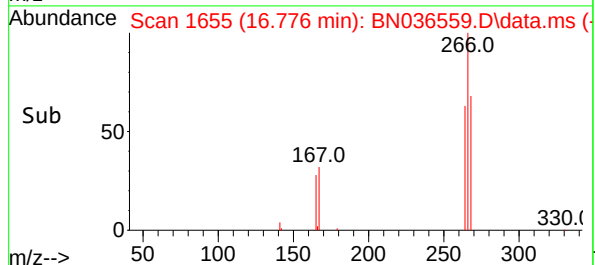
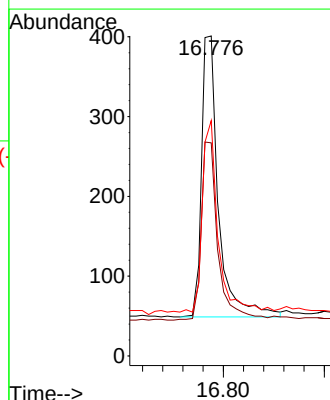
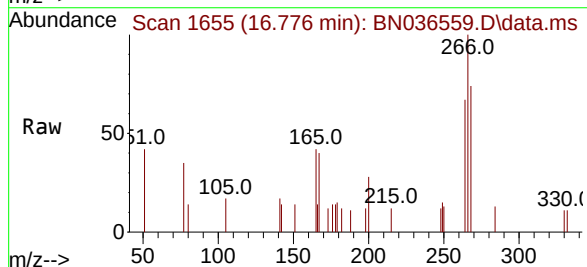
Instrument :
BNA_N
ClientSampleId :
SSTDICCC0.4

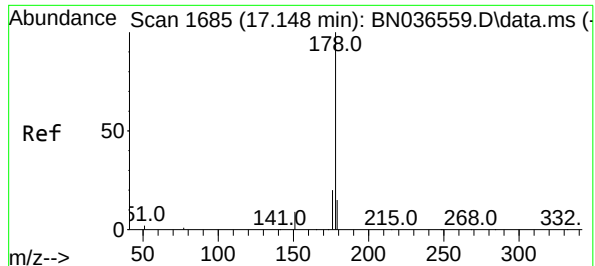
Tgt Ion:200 Resp: 1279
Ion Ratio Lower Upper
200 100
173 34.1 27.3 40.9
215 46.0 36.8 55.2



#24
Pentachlorophenol
Concen: 0.396 ng
RT: 16.776 min Scan# 1655
Delta R.T. 0.000 min
Lab File: BN036559.D
Acq: 10 Mar 2025 12:54

Tgt Ion:266 Resp: 821
Ion Ratio Lower Upper
266 100
264 62.0 49.6 74.4
268 63.6 50.9 76.3

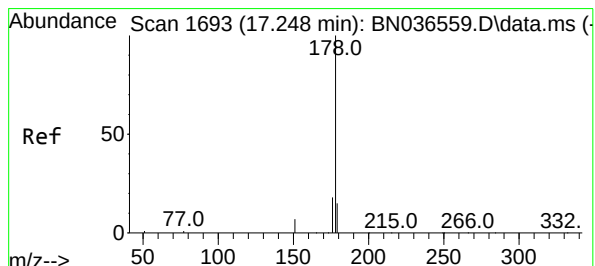
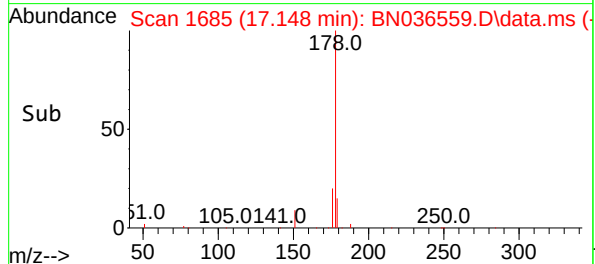
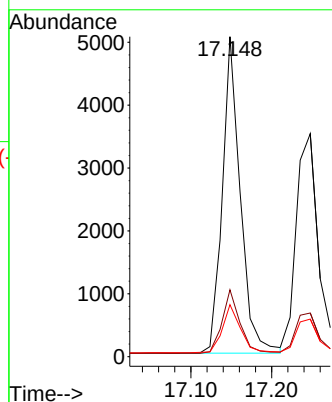
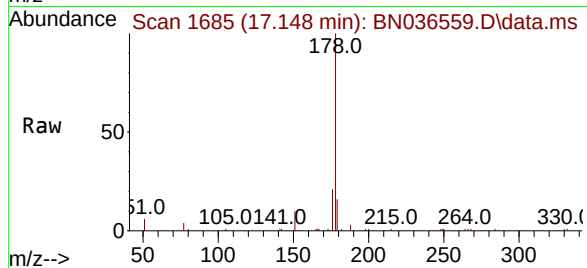




#25
Phenanthrene
Concen: 0.432 ng
RT: 17.148 min Scan# 1685
Delta R.T. 0.000 min
Lab File: BN036559.D
Acq: 10 Mar 2025 12:54

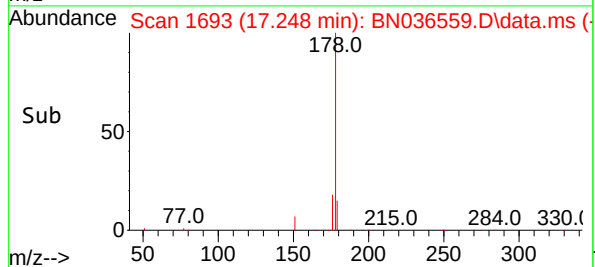
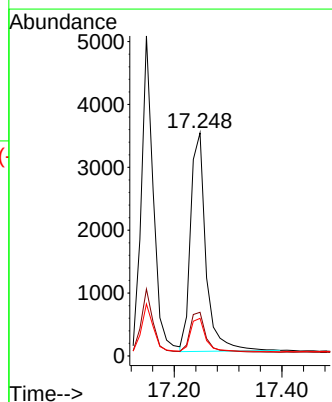
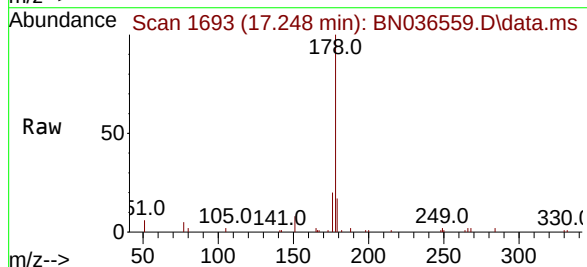
Instrument :
BNA_N
ClientSampleId :
SSTDICCC0.4

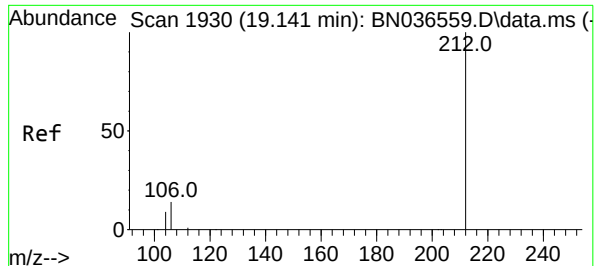
Tgt Ion:178 Resp: 7786
Ion Ratio Lower Upper
178 100
176 19.9 15.9 23.9
179 15.3 12.2 18.4



#26
Anthracene
Concen: 0.424 ng
RT: 17.248 min Scan# 1693
Delta R.T. 0.000 min
Lab File: BN036559.D
Acq: 10 Mar 2025 12:54

Tgt Ion:178 Resp: 6886
Ion Ratio Lower Upper
178 100
176 19.3 15.4 23.2
179 15.7 12.6 18.8





#27

Fluoranthene-d10

Concen: 0.435 ng

RT: 19.141 min Scan# 1930

Delta R.T. 0.000 min

Lab File: BN036559.D

Acq: 10 Mar 2025 12:54

Instrument :

BNA_N

ClientSampleId :

SSTDICCC0.4

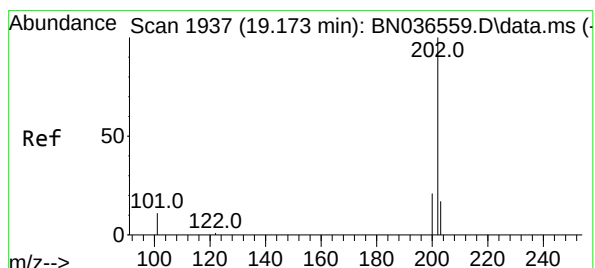
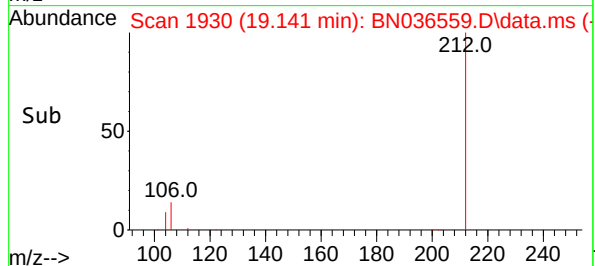
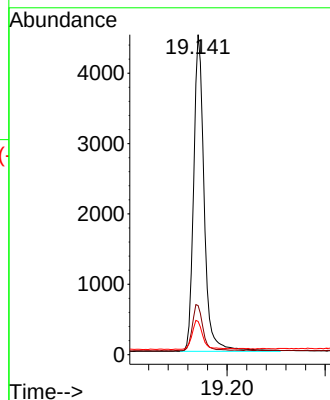
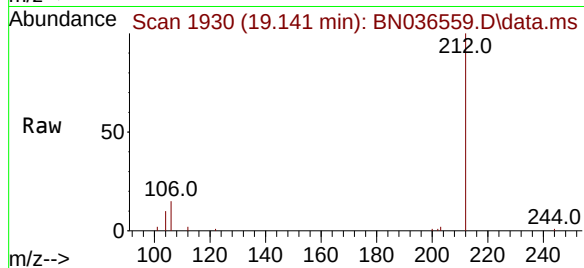
Tgt Ion:212 Resp: 6699

Ion Ratio Lower Upper

212 100

106 14.7 11.8 17.6

104 9.1 7.3 10.9



#28

Fluoranthene

Concen: 0.431 ng

RT: 19.173 min Scan# 1937

Delta R.T. 0.000 min

Lab File: BN036559.D

Acq: 10 Mar 2025 12:54

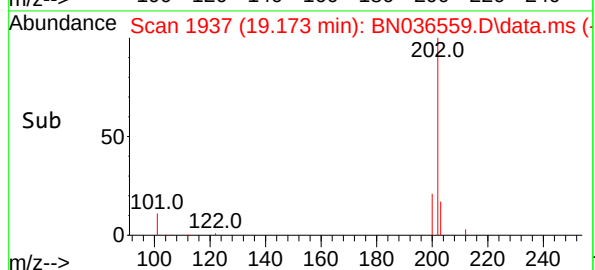
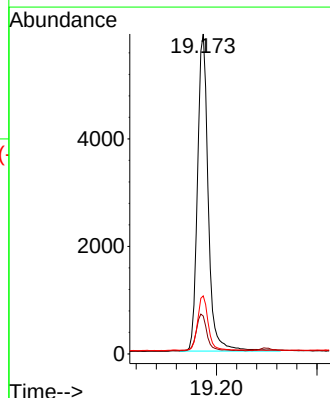
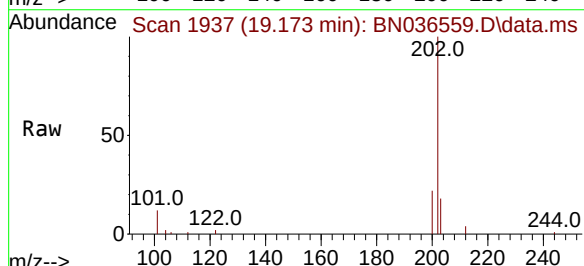
Tgt Ion:202 Resp: 8717

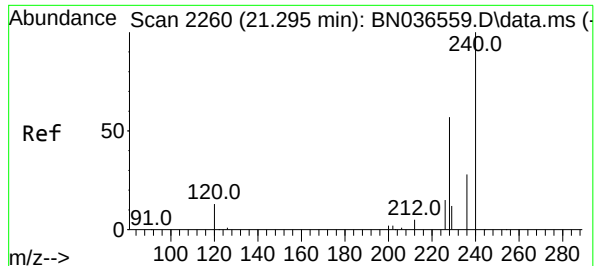
Ion Ratio Lower Upper

202 100

101 11.7 9.4 14.0

203 16.9 13.5 20.3





#29

Chrysene-d12

Concen: 0.400 ng

RT: 21.295 min Scan# 21

Delta R.T. 0.000 min

Lab File: BN036559.D

Acq: 10 Mar 2025 12:54

Instrument :

BNA_N

ClientSampleId :

SSTDICCC0.4

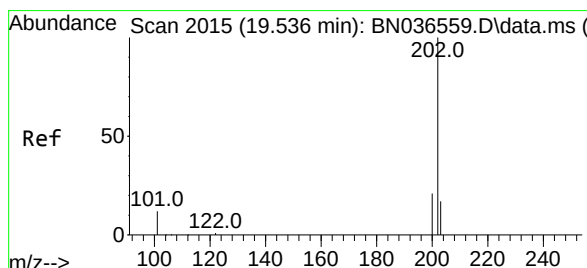
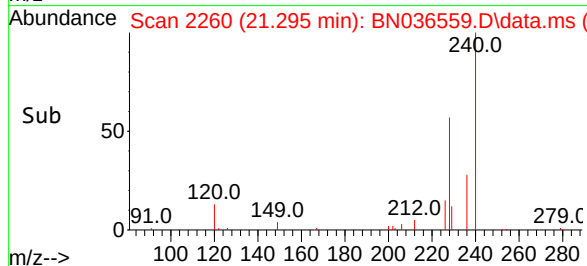
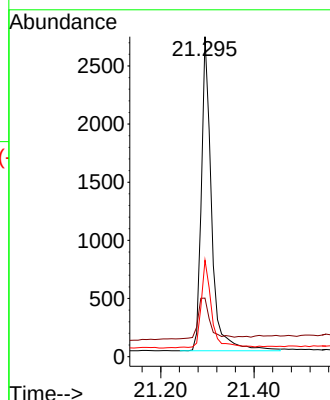
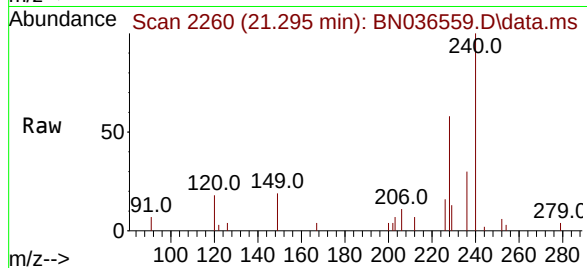
Tgt Ion:240 Resp: 4110

Ion Ratio Lower Upper

240 100

120 18.3 14.6 22.0

236 30.1 24.1 36.1



#30

Pyrene

Concen: 0.436 ng

RT: 19.536 min Scan# 2015

Delta R.T. 0.000 min

Lab File: BN036559.D

Acq: 10 Mar 2025 12:54

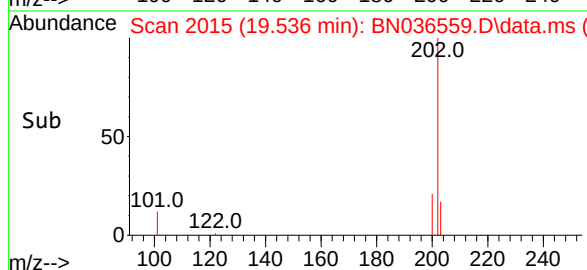
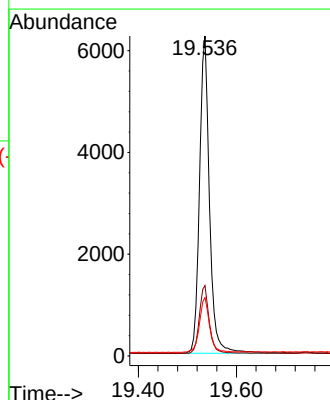
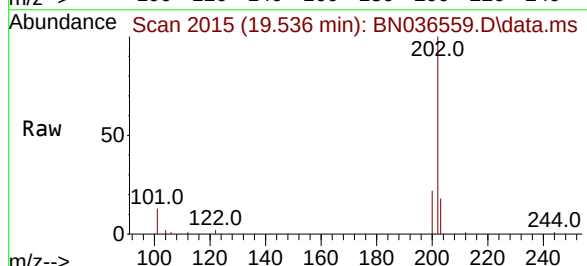
Tgt Ion:202 Resp: 8759

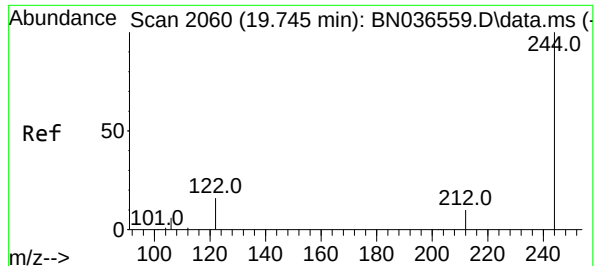
Ion Ratio Lower Upper

202 100

200 21.4 17.1 25.7

203 17.6 14.1 21.1

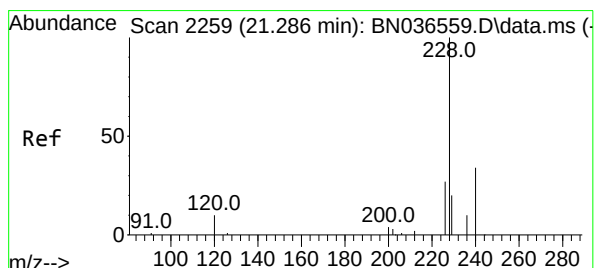
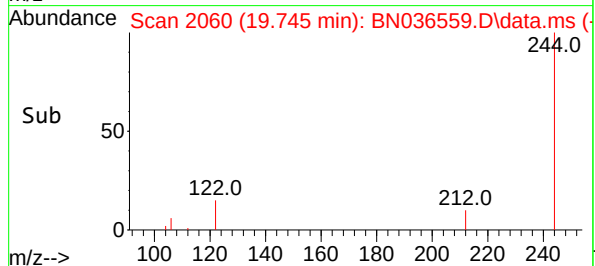
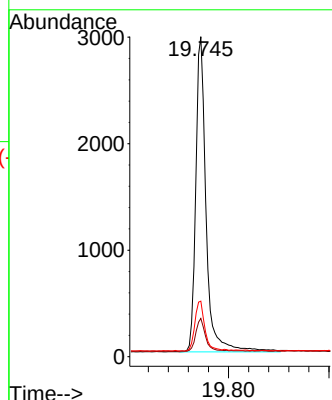
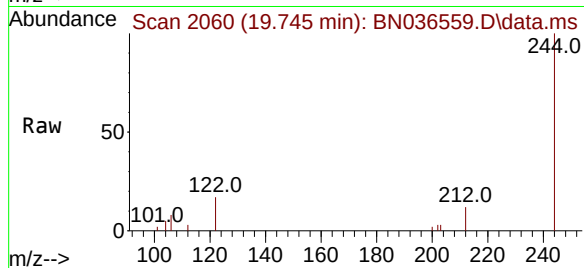




#31
Terphenyl-d14
Concen: 0.429 ng
RT: 19.745 min Scan# 2060
Delta R.T. 0.000 min
Lab File: BN036559.D
Acq: 10 Mar 2025 12:54

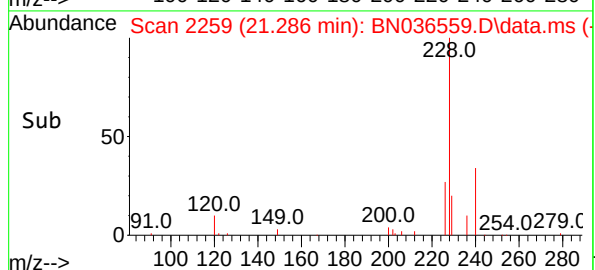
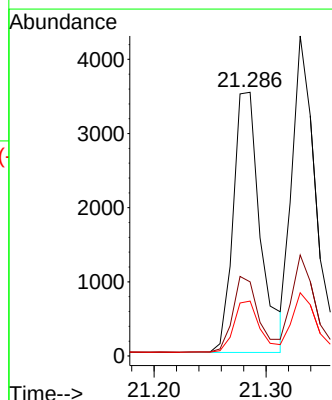
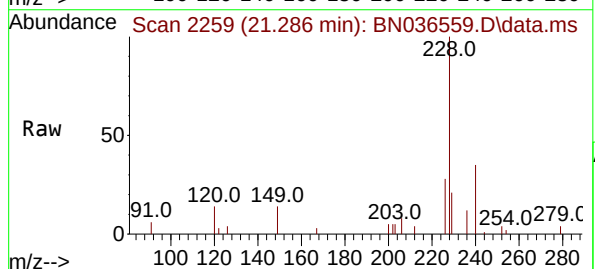
Instrument :
BNA_N
ClientSampleId :
SSTDICCC0.4

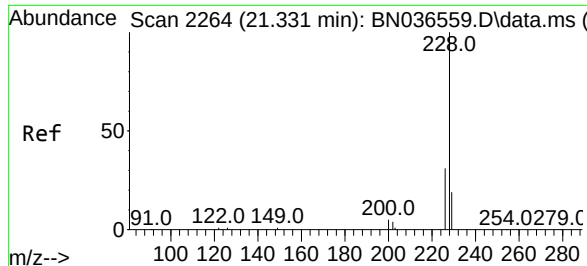
Tgt Ion	Ratio	Lower	Upper
244	100		
212	12.0	9.6	14.4
122	17.4	13.9	20.9



#32
Benzo(a)anthracene
Concen: 0.413 ng
RT: 21.286 min Scan# 2259
Delta R.T. 0.000 min
Lab File: BN036559.D
Acq: 10 Mar 2025 12:54

Tgt Ion	Ratio	Lower	Upper
228	100		
226	28.1	22.5	33.7
229	20.8	16.6	25.0





#33

Chrysene

Concen: 0.424 ng

RT: 21.331 min Scan# 21

Delta R.T. 0.000 min

Lab File: BN036559.D

Acq: 10 Mar 2025 12:54

Instrument :

BNA_N

ClientSampleId :

SSTDICCC0.4

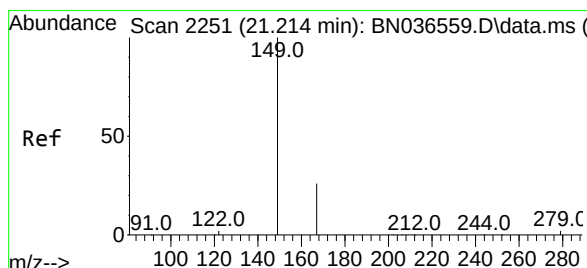
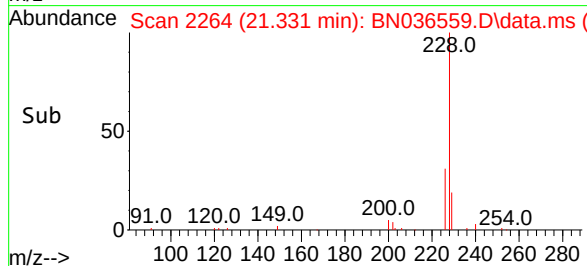
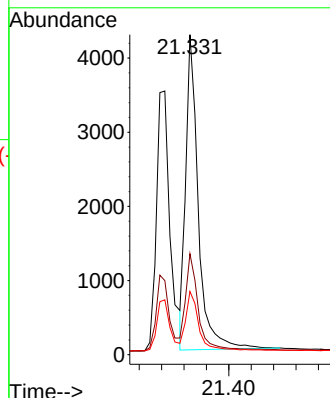
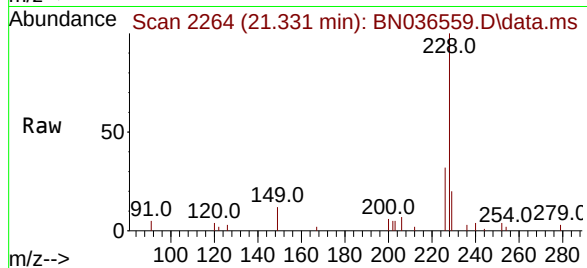
Tgt Ion:228 Resp: 6617

Ion Ratio Lower Upper

228 100

226 31.6 25.3 37.9

229 19.8 15.8 23.8



#34

Bis(2-ethylhexyl)phthalate

Concen: 0.422 ng

RT: 21.214 min Scan# 2251

Delta R.T. 0.000 min

Lab File: BN036559.D

Acq: 10 Mar 2025 12:54

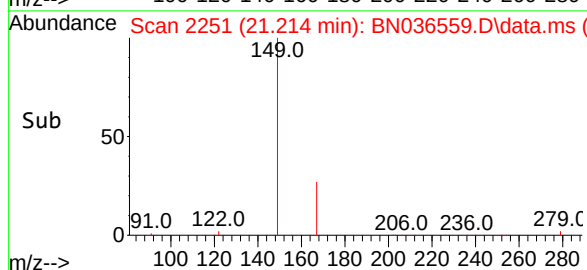
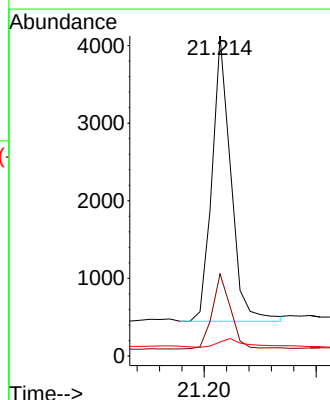
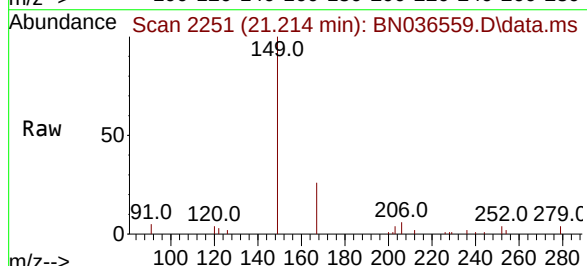
Tgt Ion:149 Resp: 4291

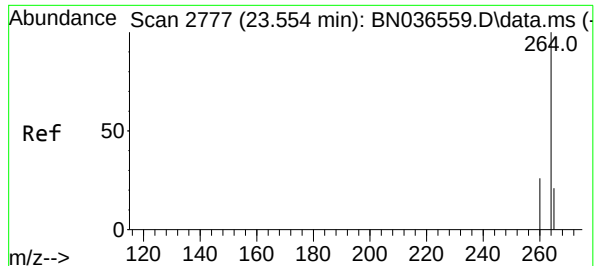
Ion Ratio Lower Upper

149 100

167 25.9 20.7 31.1

279 4.5 3.6 5.4





#35

Perylene-d12

Concen: 0.400 ng

RT: 23.554 min Scan# 21

Delta R.T. 0.000 min

Lab File: BN036559.D

Acq: 10 Mar 2025 12:54

Instrument :

BNA_N

ClientSampleId :

SSTDICCC0.4

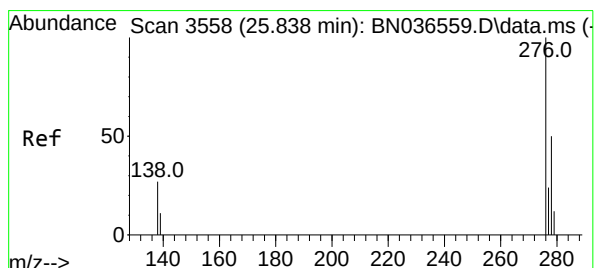
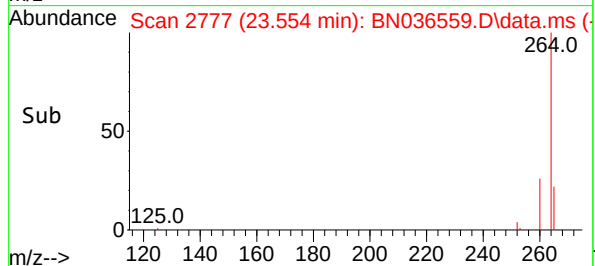
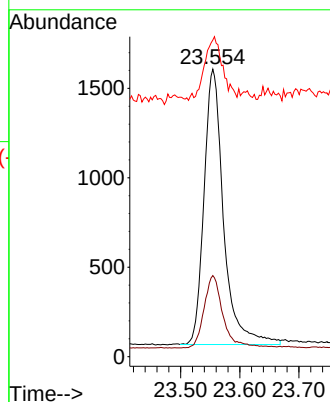
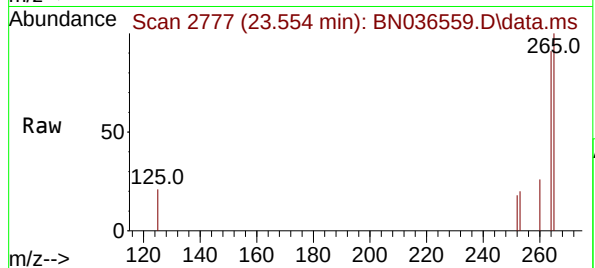
Tgt Ion:264 Resp: 3539

Ion Ratio Lower Upper

264 100

260 28.2 22.6 33.8

265 110.1 88.1 132.1



#36

Indeno(1,2,3-cd)pyrene

Concen: 0.428 ng

RT: 25.838 min Scan# 3558

Delta R.T. 0.000 min

Lab File: BN036559.D

Acq: 10 Mar 2025 12:54

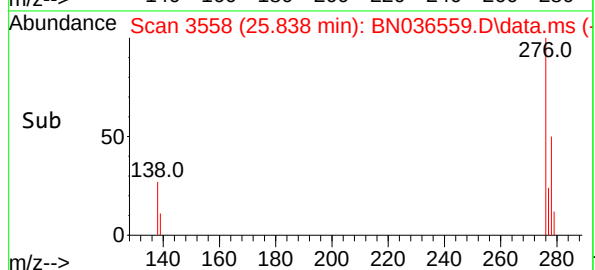
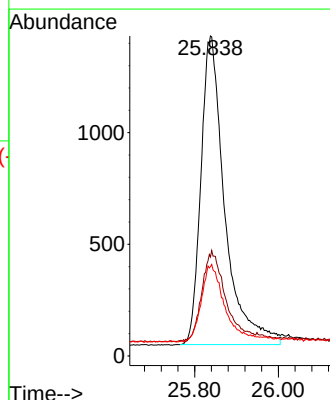
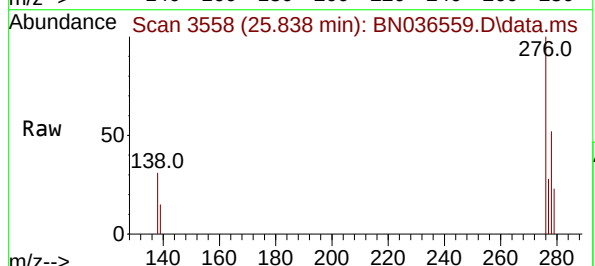
Tgt Ion:276 Resp: 5470

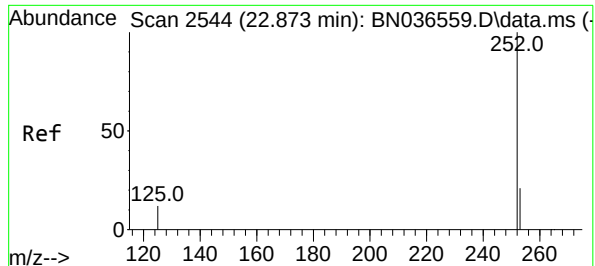
Ion Ratio Lower Upper

276 100

138 29.3 23.4 35.2

277 25.0 20.0 30.0





#37

Benzo(b)fluoranthene

Concen: 0.425 ng

RT: 22.873 min Scan# 2544

Delta R.T. 0.000 min

Lab File: BN036559.D

Acq: 10 Mar 2025 12:54

Instrument :

BNA_N

ClientSampleId :

SSTDICCC0.4

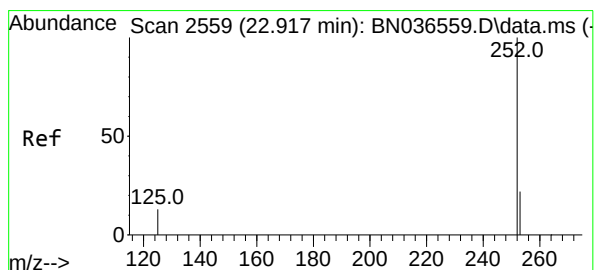
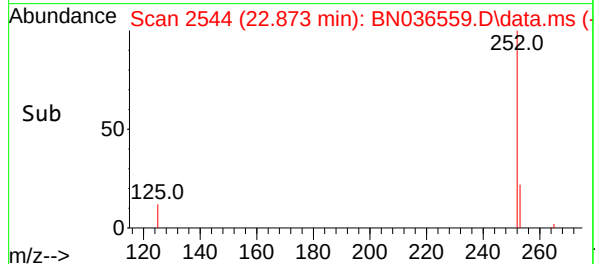
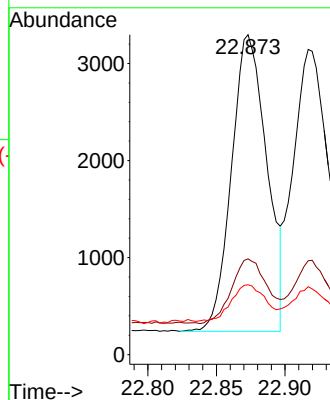
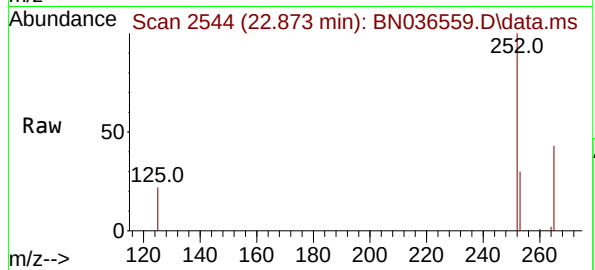
Tgt Ion:252 Resp: 5475

Ion Ratio Lower Upper

252 100

253 29.9 23.9 35.9

125 21.8 17.4 26.2



#38

Benzo(k)fluoranthene

Concen: 0.424 ng

RT: 22.917 min Scan# 2559

Delta R.T. 0.000 min

Lab File: BN036559.D

Acq: 10 Mar 2025 12:54

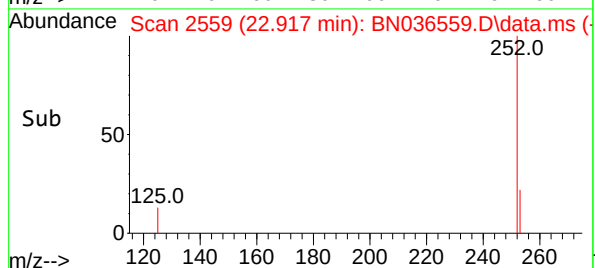
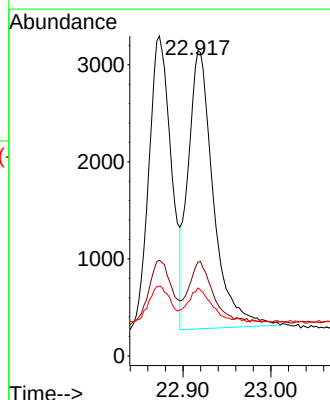
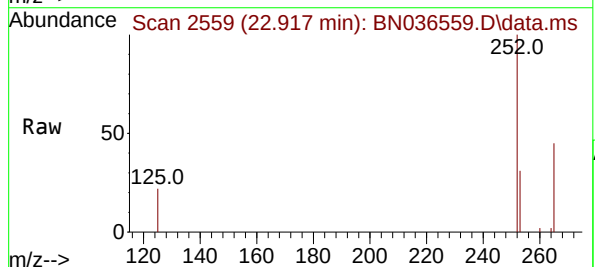
Tgt Ion:252 Resp: 5732

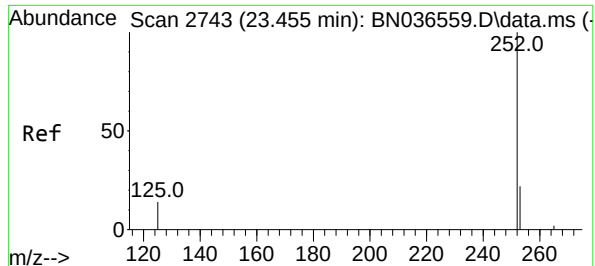
Ion Ratio Lower Upper

252 100

253 30.7 24.6 36.8

125 22.3 17.8 26.8





#39

Benzo(a)pyrene

Concen: 0.425 ng

RT: 23.455 min Scan# 21

Delta R.T. 0.000 min

Lab File: BN036559.D

Acq: 10 Mar 2025 12:54

Instrument :

BNA_N

ClientSampleId :

SSTDICCC0.4

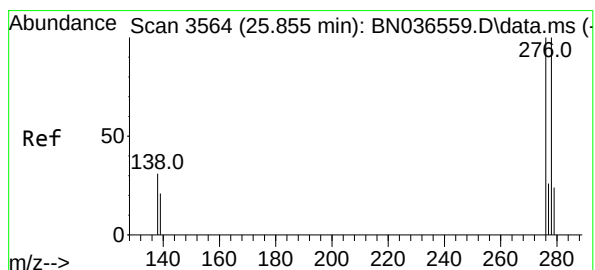
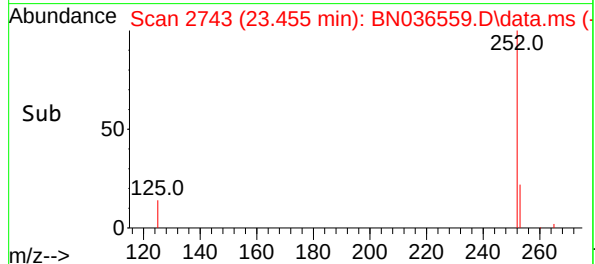
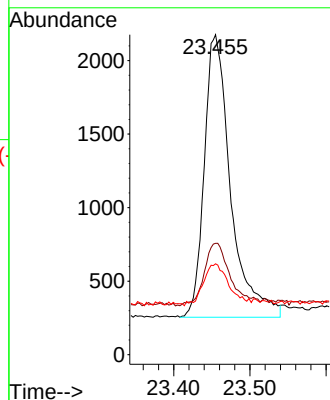
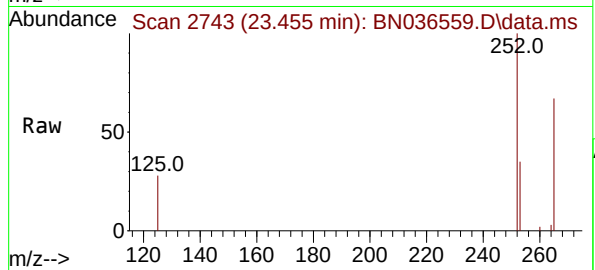
Tgt Ion:252 Resp: 4612

Ion Ratio Lower Upper

252 100

253 34.8 27.8 41.8

125 28.4 22.7 34.1



#40

Dibenzo(a,h)anthracene

Concen: 0.414 ng

RT: 25.855 min Scan# 3564

Delta R.T. 0.000 min

Lab File: BN036559.D

Acq: 10 Mar 2025 12:54

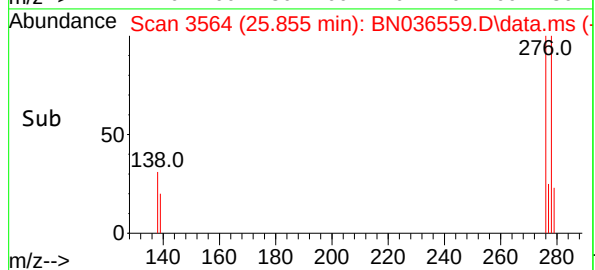
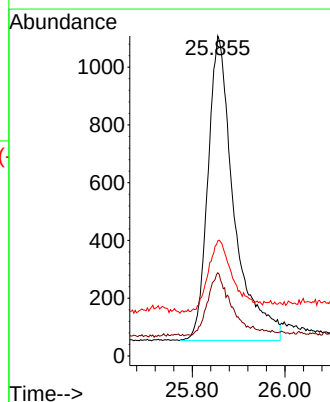
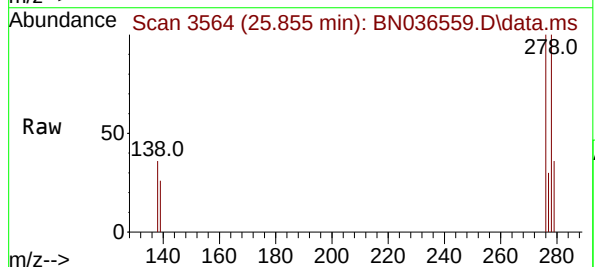
Tgt Ion:278 Resp: 4117

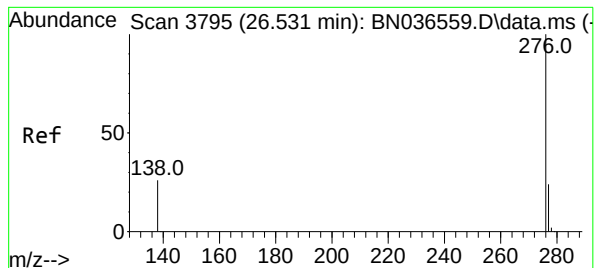
Ion Ratio Lower Upper

278 100

139 26.0 20.8 31.2

279 36.0 28.8 43.2





#41

Benzo(g,h,i)perylene

Concen: 0.430 ng

RT: 26.531 min Scan# 31

Delta R.T. 0.000 min

Lab File: BN036559.D

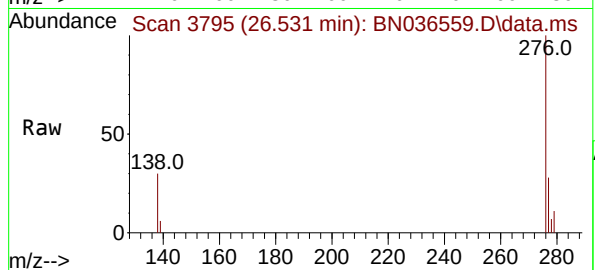
Acq: 10 Mar 2025 12:54

Instrument :

BNA_N

ClientSampleId :

SSTDICCC0.4



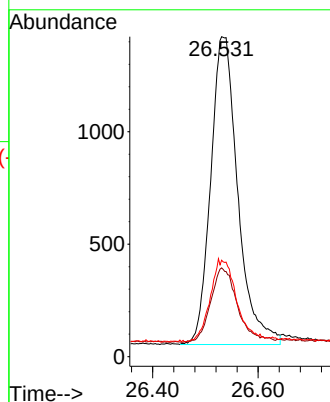
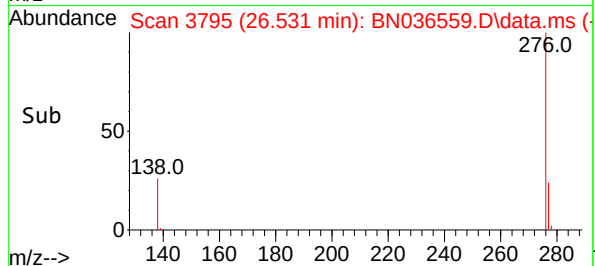
Tgt Ion:276 Resp: 4891

Ion Ratio Lower Upper

276 100

277 27.8 22.2 33.4

138 30.1 24.1 36.1



Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN031025\
 Data File : BN036560.D
 Acq On : 10 Mar 2025 13:31
 Operator : RC/JU
 Sample : SSTDICC0.8
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 SSTDICC0.8

Quant Time: Mar 10 16:01:54 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN031025.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Mar 10 15:54:23 2025
 Response via : Initial Calibration

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

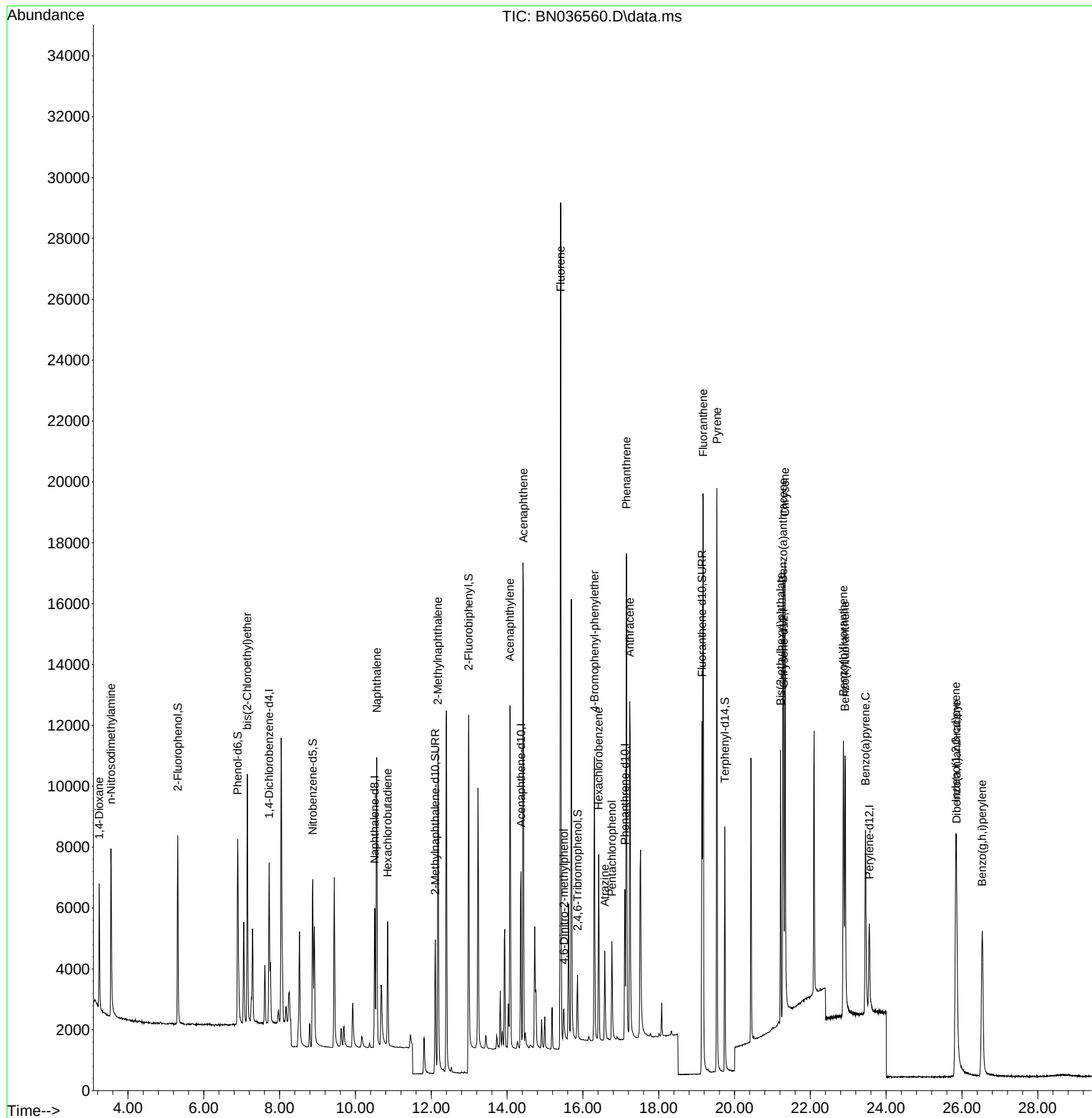
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.724	152	2495	0.400	ng	0.00
7) Naphthalene-d8	10.509	136	5884	0.400	ng	0.00
13) Acenaphthene-d10	14.366	164	3456	0.400	ng	0.00
19) Phenanthrene-d10	17.111	188	6971	0.400	ng	0.00
29) Chrysene-d12	21.295	240	4636	0.400	ng	0.00
35) Perylene-d12	23.554	264	4198	0.400	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.312	112	4381	0.753	ng	0.00
5) Phenol-d6	6.894	99	5324	0.741	ng	0.00
8) Nitrobenzene-d5	8.875	82	4717	0.737	ng	0.00
11) 2-Methylnaphthalene-d10	12.106	152	6616	0.756	ng	0.00
14) 2,4,6-Tribromophenol	15.858	330	1166	0.744	ng	0.00
15) 2-Fluorobiphenyl	12.988	172	16243	0.808	ng	0.00
27) Fluoranthene-d10	19.141	212	13330	0.746	ng	0.00
31) Terphenyl-d14	19.745	244	8571	0.772	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	3.239	88	2251	0.813	ng	99
3) n-Nitrosodimethylamine	3.550	42	4197	0.750	ng	96
6) bis(2-Chloroethyl)ether	7.147	93	5632	0.759	ng	99
9) Naphthalene	10.562	128	13078	0.756	ng	98
10) Hexachlorobutadiene	10.851	225	3147	0.772	ng	# 99
12) 2-Methylnaphthalene	12.177	142	8272	0.751	ng	98
16) Acenaphthylene	14.078	152	12403	0.760	ng	100
17) Acenaphthene	14.430	154	8096	0.758	ng	99
18) Fluorene	15.414	166	11120	0.770	ng	100
20) 4,6-Dinitro-2-methylph...	15.499	198	1039	0.724	ng	# 59
21) 4-Bromophenyl-phenylether	16.305	248	3324	0.761	ng	93
22) Hexachlorobenzene	16.416	284	4115	0.780	ng	99
23) Atrazine	16.578	200	2677	0.764	ng	94
24) Pentachlorophenol	16.764	266	1701	0.707	ng	98
25) Phenanthrene	17.149	178	15910	0.761	ng	99
26) Anthracene	17.236	178	14403	0.763	ng	99
28) Fluoranthene	19.174	202	17738	0.755	ng	99
30) Pyrene	19.536	202	17714	0.781	ng	100
32) Benzo(a)anthracene	21.277	228	12089	0.750	ng	98
33) Chrysene	21.331	228	13974	0.793	ng	100
34) Bis(2-ethylhexyl)phtha...	21.214	149	8021	0.699	ng	# 99
36) Indeno(1,2,3-cd)pyrene	25.838	276	11785	0.778	ng	99
37) Benzo(b)fluoranthene	22.873	252	11771	0.770	ng	# 91
38) Benzo(k)fluoranthene	22.917	252	12432	0.776	ng	# 90
39) Benzo(a)pyrene	23.455	252	10036	0.780	ng	# 87
40) Dibenzo(a,h)anthracene	25.858	278	9450	0.801	ng	91
41) Benzo(g,h,i)perylene	26.534	276	10494	0.778	ng	96

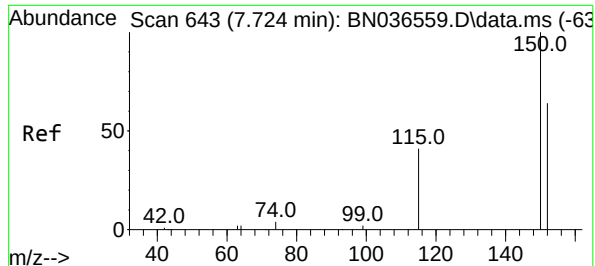
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Data File : BN036560.D
Acq On : 10 Mar 2025 13:31
Operator : RC/JU
Sample : SSTDICC0.8
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.8

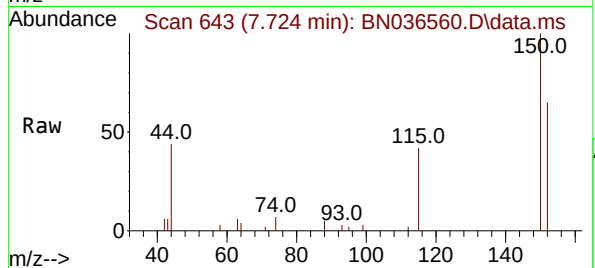
Quant Time: Mar 10 16:01:54 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN031025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Mar 10 15:54:23 2025
Response via : Initial Calibration



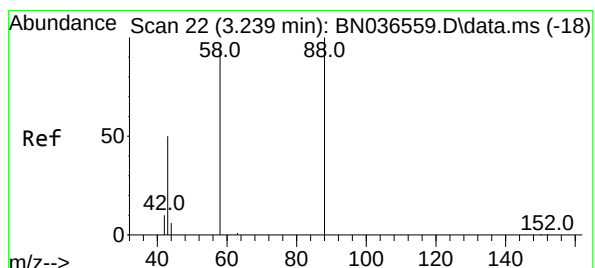
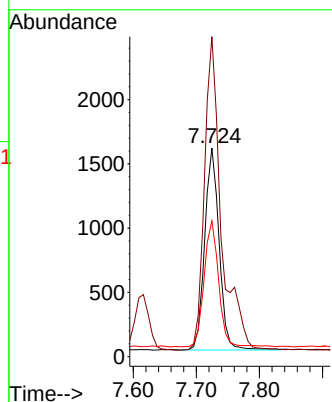
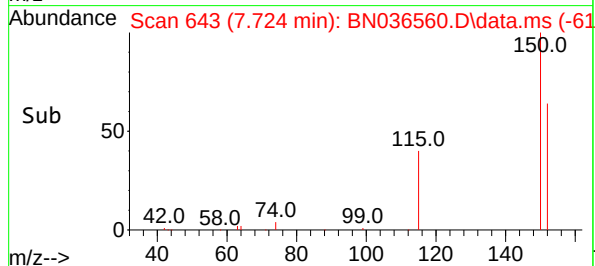


#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.724 min Scan# 64
Delta R.T. 0.000 min
Lab File: BN036560.D
Acq: 10 Mar 2025 13:31

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.8

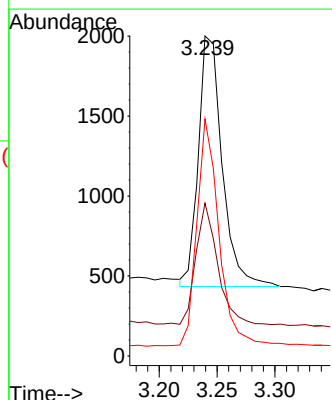
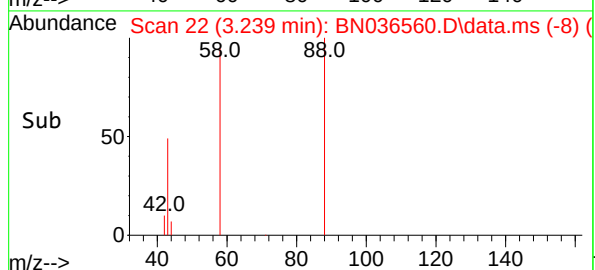
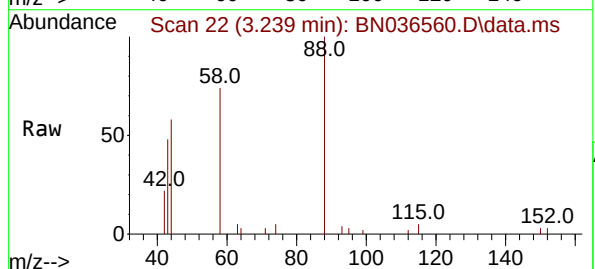


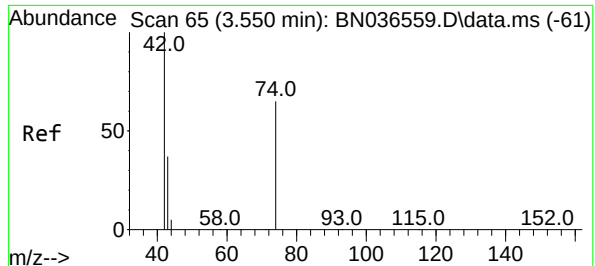
Tgt Ion:152 Resp: 2495
Ion Ratio Lower Upper
152 100
150 153.3 123.7 185.5
115 65.1 54.3 81.5



#2
1,4-Dioxane
Concen: 0.813 ng
RT: 3.239 min Scan# 22
Delta R.T. 0.000 min
Lab File: BN036560.D
Acq: 10 Mar 2025 13:31

Tgt Ion: 88 Resp: 2251
Ion Ratio Lower Upper
88 100
43 45.6 37.8 56.8
58 84.5 67.4 101.2

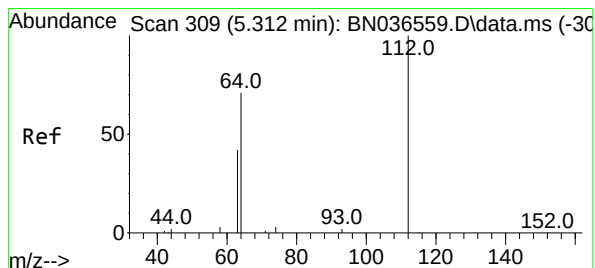
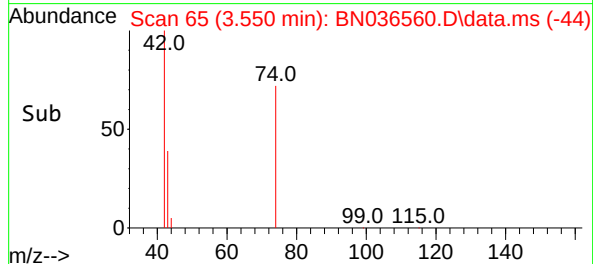
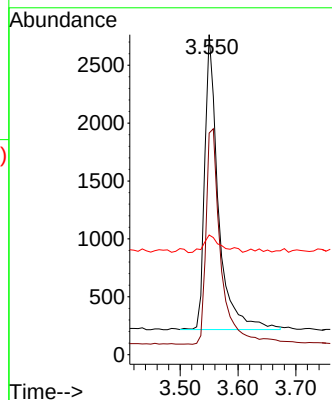
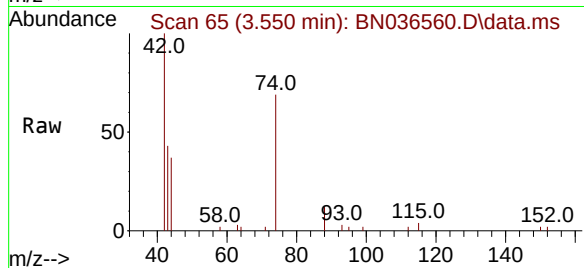




#3
n-Nitrosodimethylamine
Concen: 0.750 ng
RT: 3.550 min Scan# 61
Delta R.T. 0.000 min
Lab File: BN036560.D
Acq: 10 Mar 2025 13:31

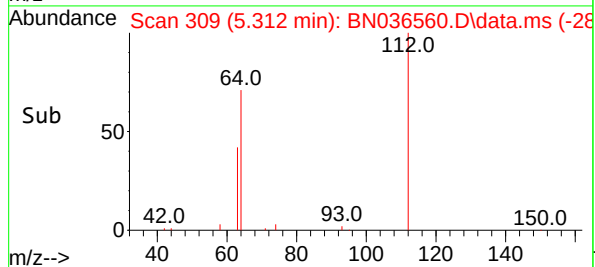
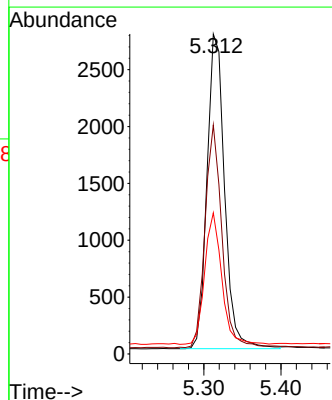
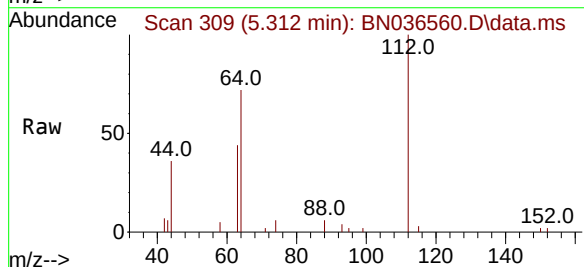
Instrument :
BNA_N
ClientSampleId :
SSTDICC0.8

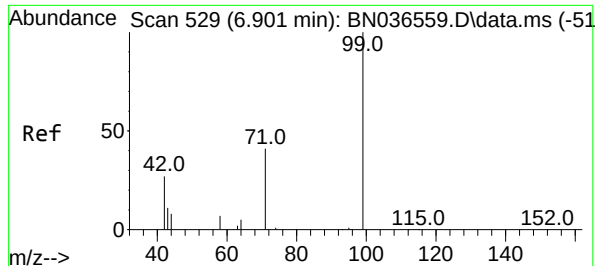
Tgt Ion: 42 Resp: 4197
Ion Ratio Lower Upper
42 100
74 79.3 60.6 90.8
44 7.4 6.3 9.5



#4
2-Fluorophenol
Concen: 0.753 ng
RT: 5.312 min Scan# 309
Delta R.T. 0.000 min
Lab File: BN036560.D
Acq: 10 Mar 2025 13:31

Tgt Ion: 112 Resp: 4381
Ion Ratio Lower Upper
112 100
64 68.8 53.1 79.7
63 40.4 31.8 47.8

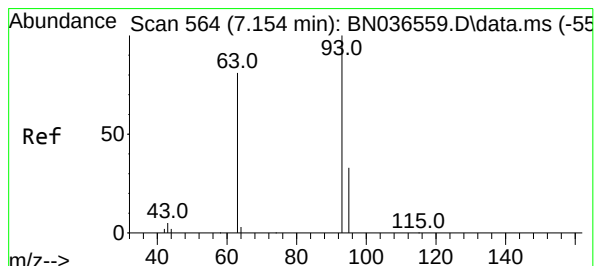
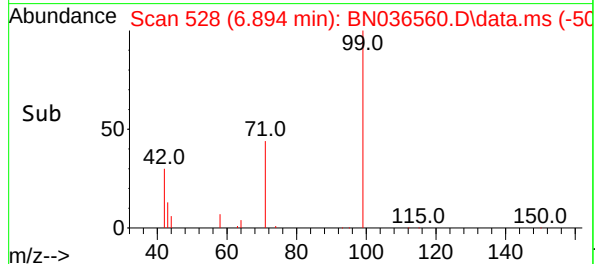
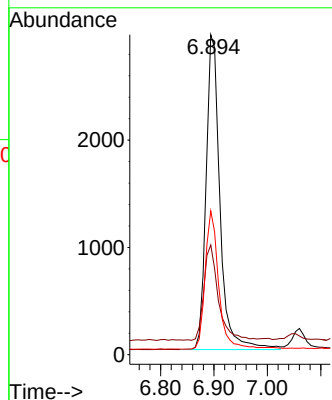
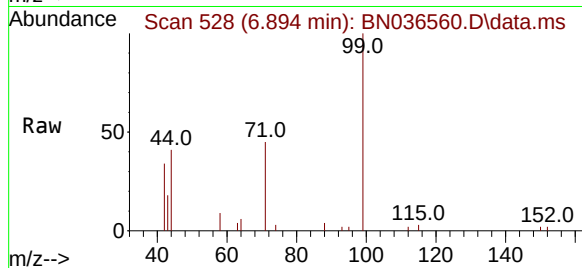




#5
Phenol-d6
Concen: 0.741 ng
RT: 6.894 min Scan# 51
Delta R.T. -0.007 min
Lab File: BN036560.D
Acq: 10 Mar 2025 13:31

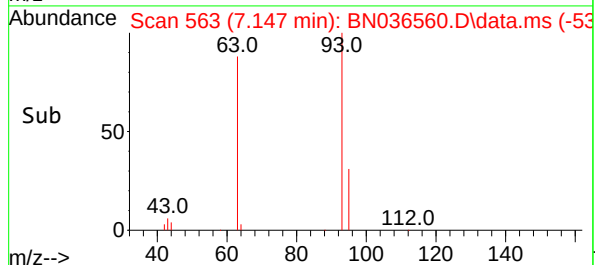
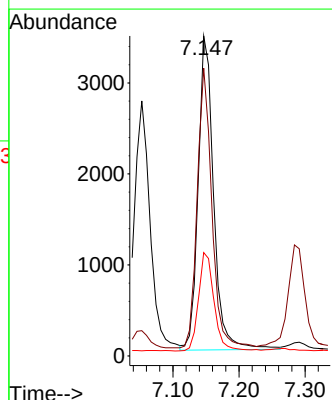
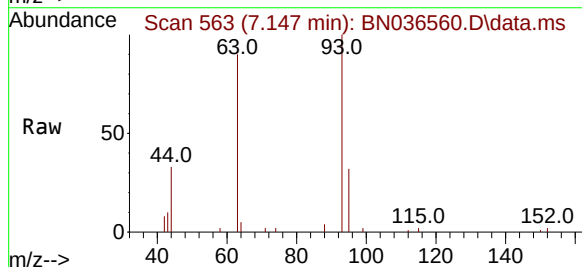
Instrument :
BNA_N
ClientSampleId :
SSTDICC0.8

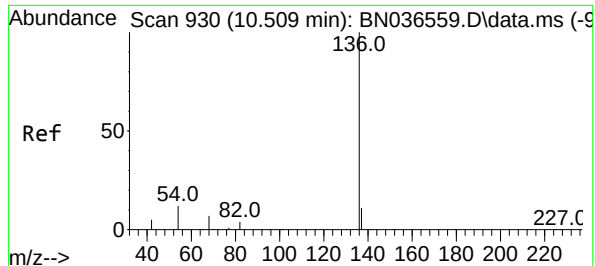
Tgt Ion: 99 Resp: 5324
Ion Ratio Lower Upper
99 100
42 31.3 26.5 39.7
71 42.6 34.1 51.1



#6
bis(2-Chloroethyl)ether
Concen: 0.759 ng
RT: 7.147 min Scan# 563
Delta R.T. -0.007 min
Lab File: BN036560.D
Acq: 10 Mar 2025 13:31

Tgt Ion: 93 Resp: 5632
Ion Ratio Lower Upper
93 100
63 84.0 67.7 101.5
95 31.6 25.6 38.4

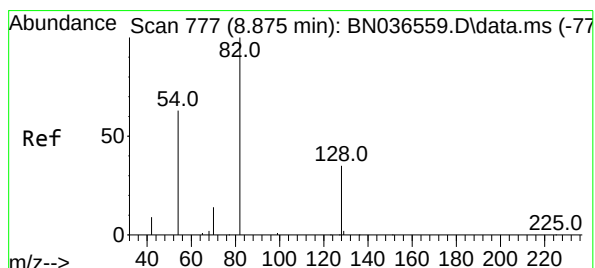
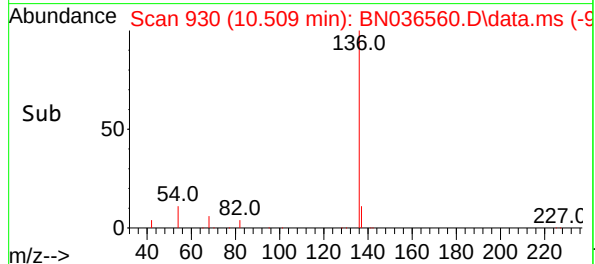
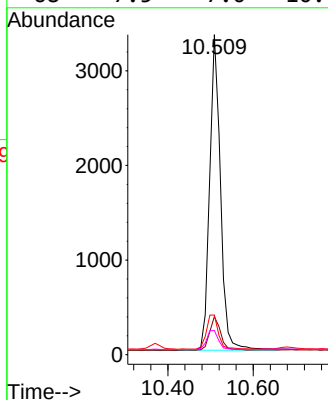
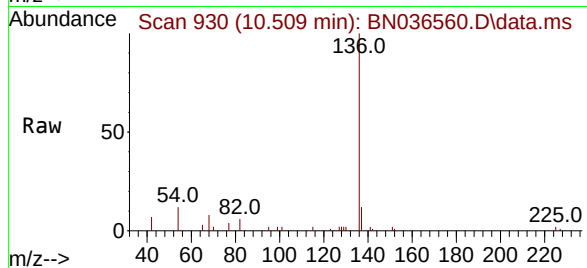




#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.509 min Scan# 91
Delta R.T. 0.000 min
Lab File: BN036560.D
Acq: 10 Mar 2025 13:31

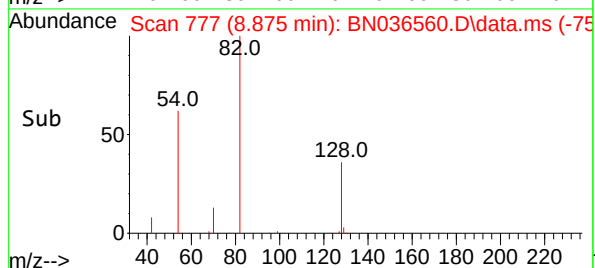
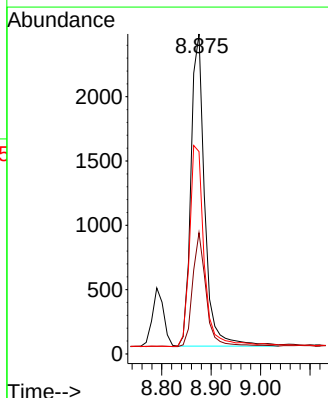
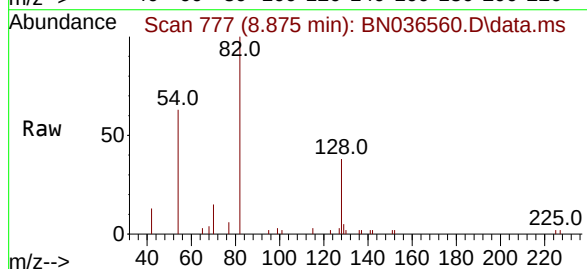
Instrument :
BNA_N
ClientSampleId :
SSTDICC0.8

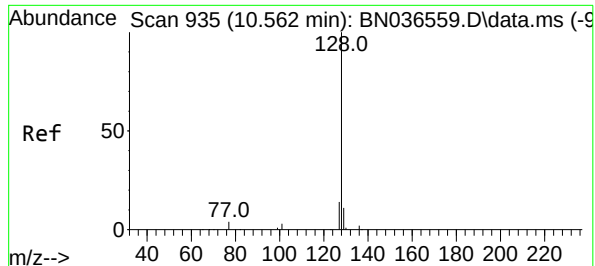
Tgt Ion:	136	Resp:	5884
Ion	Ratio	Lower	Upper
136	100		
137	11.9	10.3	15.5
54	12.4	11.5	17.3
68	7.5	7.0	10.4



#8
Nitrobenzene-d5
Concen: 0.737 ng
RT: 8.875 min Scan# 777
Delta R.T. 0.000 min
Lab File: BN036560.D
Acq: 10 Mar 2025 13:31

Tgt Ion:	82	Resp:	4717
Ion	Ratio	Lower	Upper
82	100		
128	37.9	30.6	45.8
54	63.2	52.2	78.4





#9

Naphthalene

Concen: 0.756 ng

RT: 10.562 min Scan# 91

Delta R.T. 0.000 min

Lab File: BN036560.D

Acq: 10 Mar 2025 13:31

Instrument :

BNA_N

ClientSampleId :

SSTDICC0.8

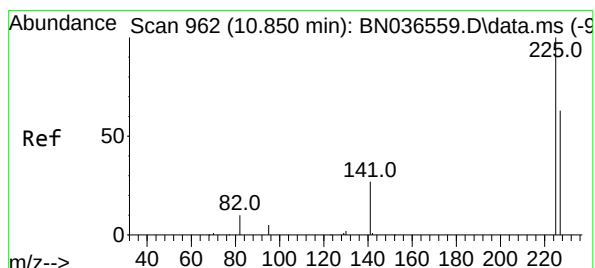
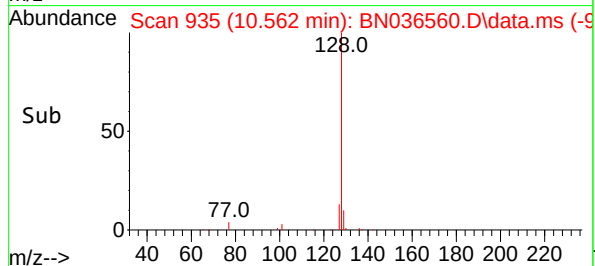
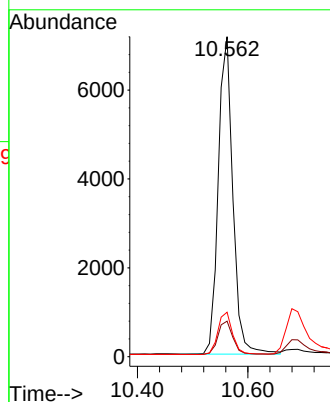
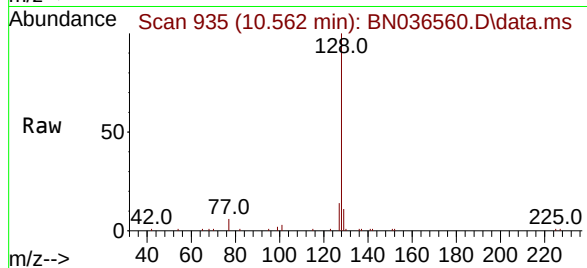
Tgt Ion:128 Resp: 13078

Ion Ratio Lower Upper

128 100

129 11.1 9.8 14.6

127 13.9 11.8 17.8



#10

Hexachlorobutadiene

Concen: 0.772 ng

RT: 10.851 min Scan# 962

Delta R.T. 0.000 min

Lab File: BN036560.D

Acq: 10 Mar 2025 13:31

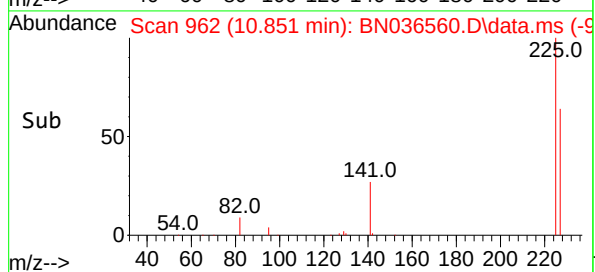
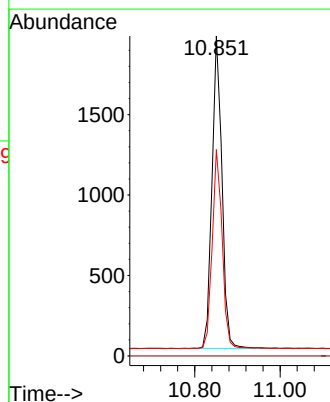
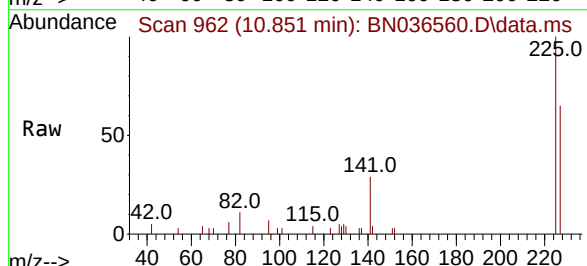
Tgt Ion:225 Resp: 3147

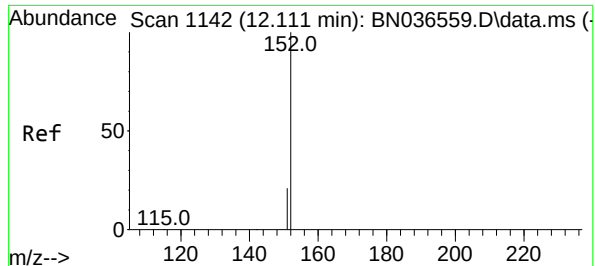
Ion Ratio Lower Upper

225 100

223 0.0 0.0 0.0

227 63.7 51.8 77.8

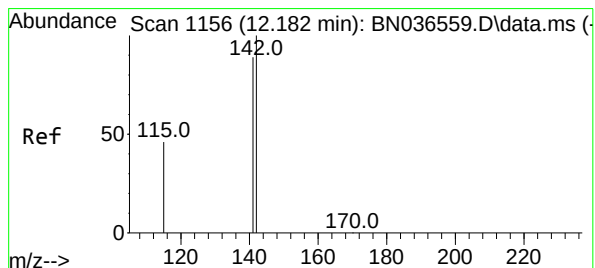
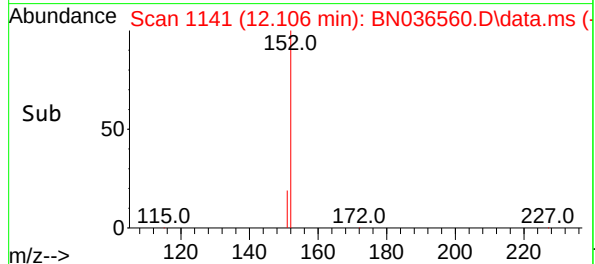
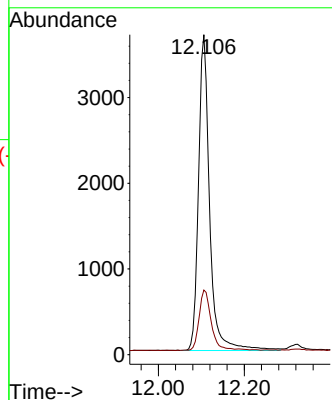
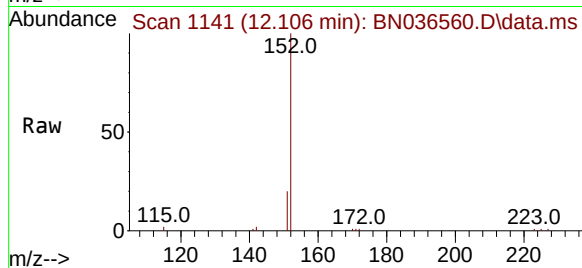




#11
2-Methylnaphthalene-d10
Concen: 0.756 ng
RT: 12.106 min Scan# 1141
Delta R.T. -0.005 min
Lab File: BN036560.D
Acq: 10 Mar 2025 13:31

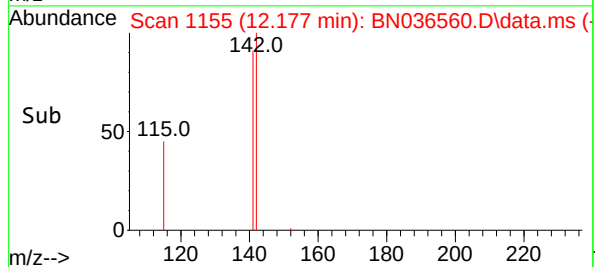
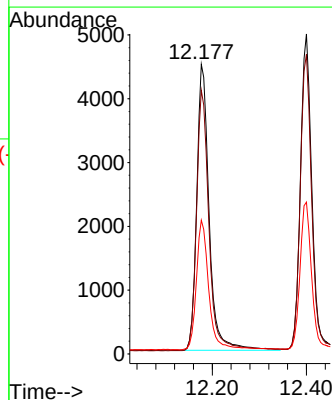
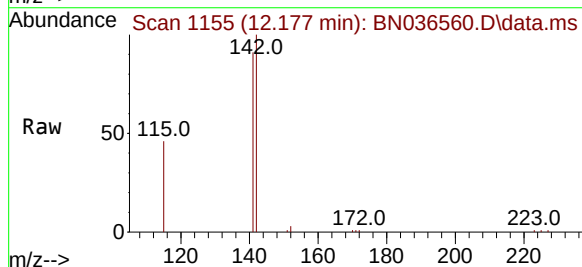
Instrument :
BNA_N
ClientSampleId :
SSTDICC0.8

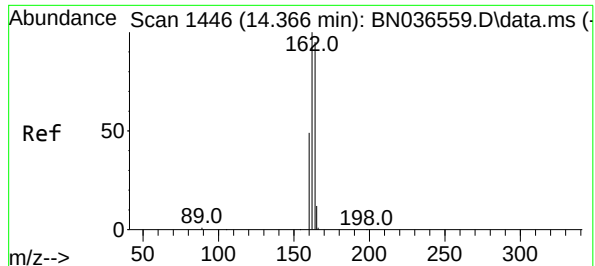
Tgt Ion:152 Resp: 6616
Ion Ratio Lower Upper
152 100
151 20.8 17.0 25.6



#12
2-Methylnaphthalene
Concen: 0.751 ng
RT: 12.177 min Scan# 1155
Delta R.T. -0.005 min
Lab File: BN036560.D
Acq: 10 Mar 2025 13:31

Tgt Ion:142 Resp: 8272
Ion Ratio Lower Upper
142 100
141 91.0 71.7 107.5
115 46.2 38.3 57.5

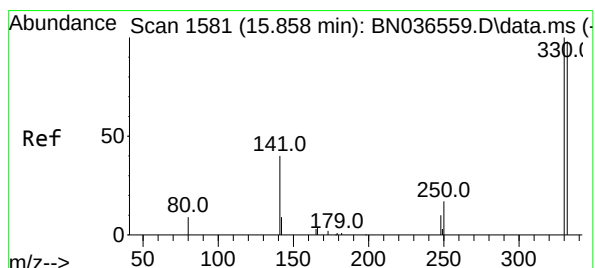
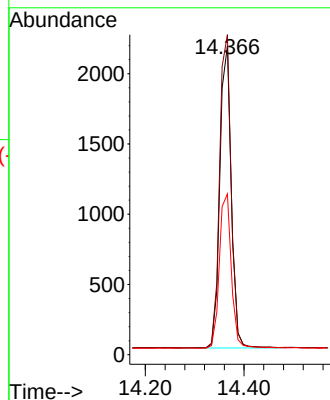
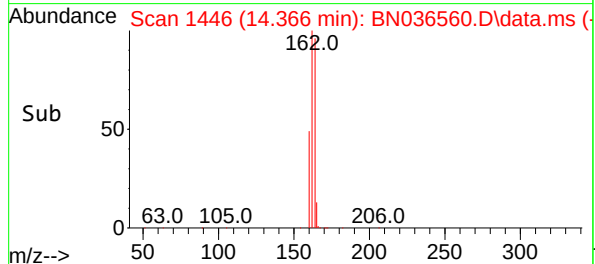
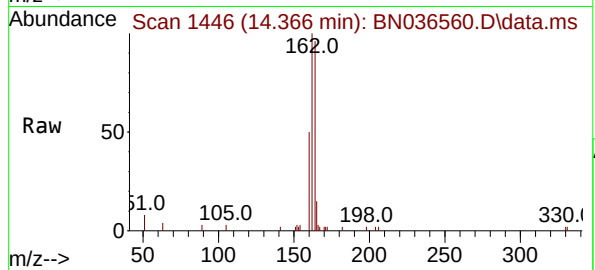




#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.366 min Scan# 1446
Delta R.T. 0.000 min
Lab File: BN036560.D
Acq: 10 Mar 2025 13:31

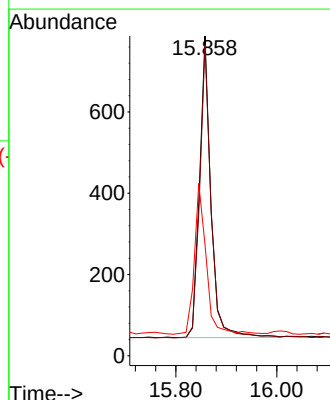
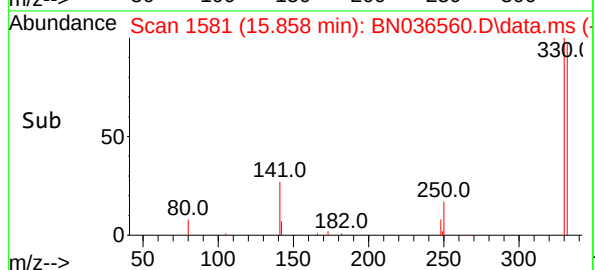
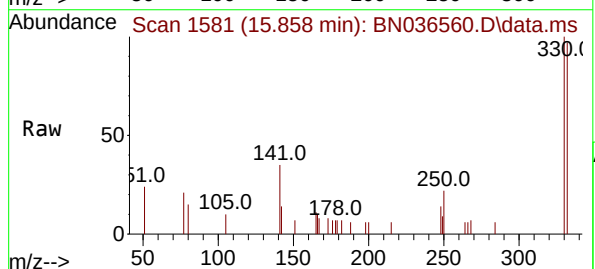
Instrument :
BNA_N
ClientSampleId :
SSTDICC0.8

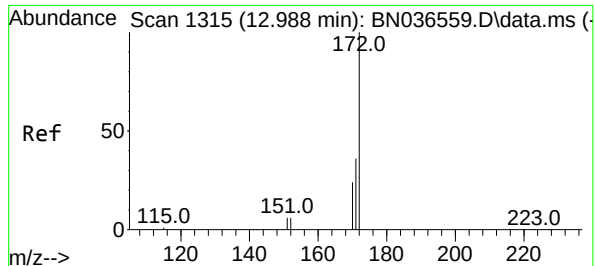
Tgt Ion:164 Resp: 3456
Ion Ratio Lower Upper
164 100
162 103.6 84.2 126.2
160 52.1 42.2 63.2



#14
2,4,6-Tribromophenol
Concen: 0.744 ng
RT: 15.858 min Scan# 1581
Delta R.T. 0.000 min
Lab File: BN036560.D
Acq: 10 Mar 2025 13:31

Tgt Ion:330 Resp: 1166
Ion Ratio Lower Upper
330 100
332 97.6 75.2 112.8
141 51.8 43.4 65.2

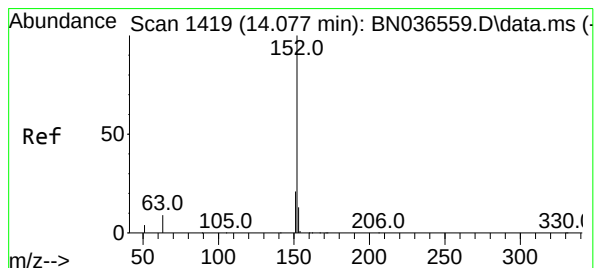
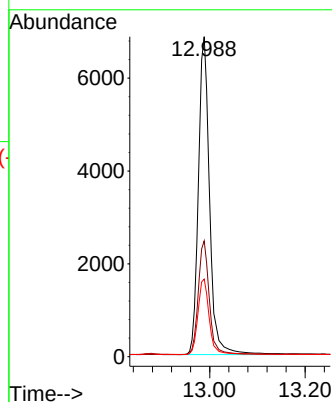
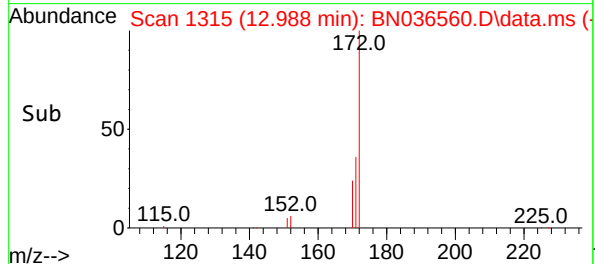
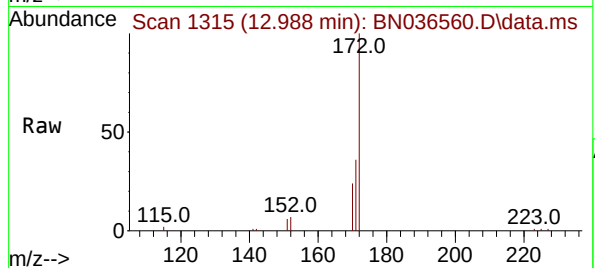




#15
2-Fluorobiphenyl
Concen: 0.808 ng
RT: 12.988 min Scan# 1315
Delta R.T. 0.000 min
Lab File: BN036560.D
Acq: 10 Mar 2025 13:31

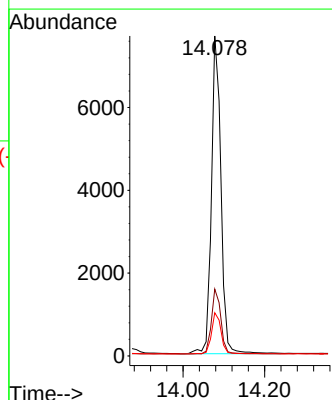
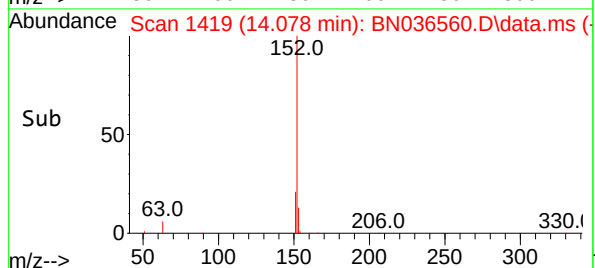
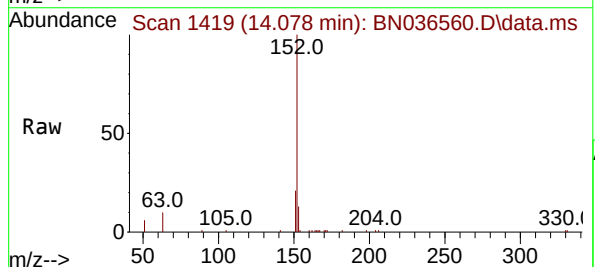
Instrument :
BNA_N
ClientSampleId :
SSTDICC0.8

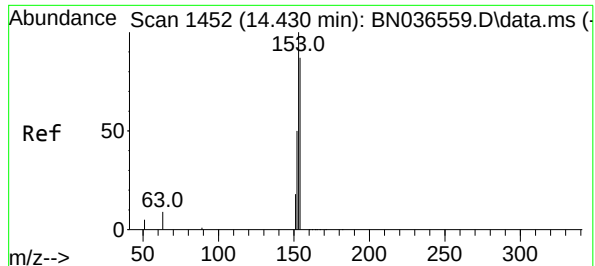
Tgt Ion:172 Resp: 16243
Ion Ratio Lower Upper
172 100
171 36.2 29.5 44.3
170 24.3 20.2 30.4



#16
Acenaphthylene
Concen: 0.760 ng
RT: 14.078 min Scan# 1419
Delta R.T. 0.000 min
Lab File: BN036560.D
Acq: 10 Mar 2025 13:31

Tgt Ion:152 Resp: 12403
Ion Ratio Lower Upper
152 100
151 20.1 16.2 24.4
153 13.1 10.6 15.8

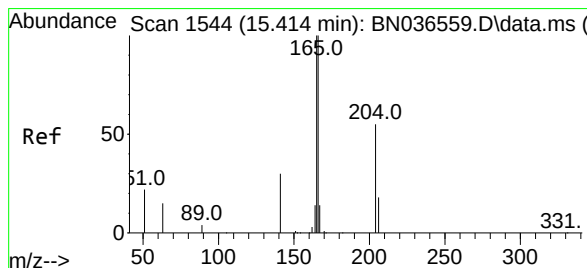
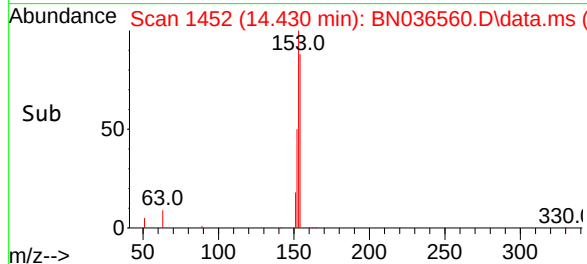
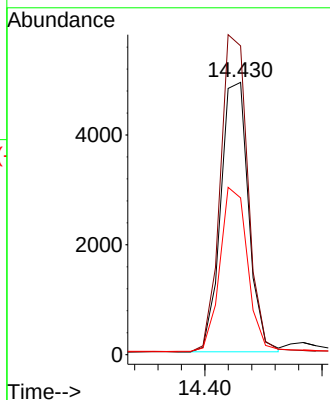
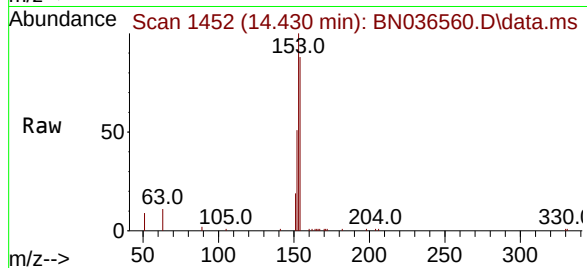




#17
Acenaphthene
Concen: 0.758 ng
RT: 14.430 min Scan# 1452
Delta R.T. 0.000 min
Lab File: BN036560.D
Acq: 10 Mar 2025 13:31

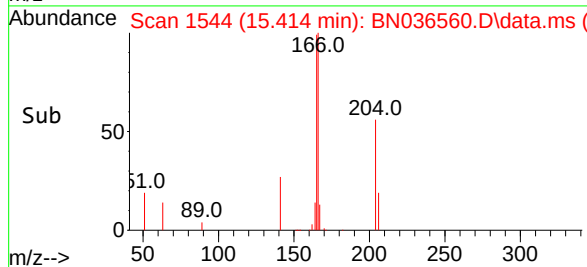
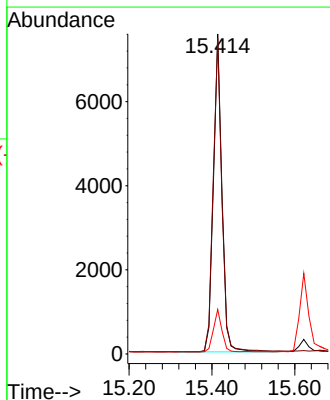
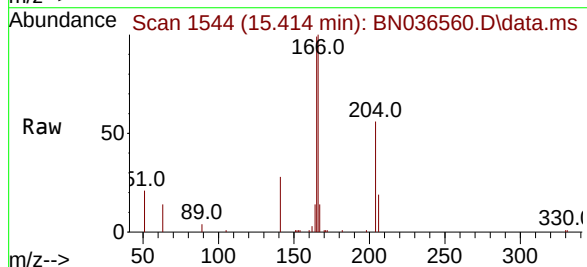
Instrument :
BNA_N
ClientSampleId :
SSTDICC0.8

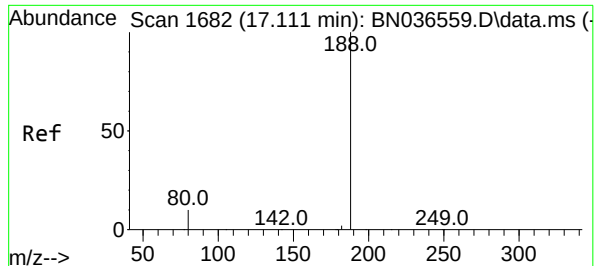
Tgt Ion:154 Resp: 8096
Ion Ratio Lower Upper
154 100
153 117.8 94.1 141.1
152 60.9 49.8 74.6



#18
Fluorene
Concen: 0.770 ng
RT: 15.414 min Scan# 1544
Delta R.T. 0.000 min
Lab File: BN036560.D
Acq: 10 Mar 2025 13:31

Tgt Ion:166 Resp: 11120
Ion Ratio Lower Upper
166 100
165 99.8 79.8 119.8
167 13.3 10.6 15.8





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 17.111 min Scan# 1

Delta R.T. 0.000 min

Lab File: BN036560.D

Acq: 10 Mar 2025 13:31

Instrument :

BNA_N

ClientSampleId :

SSTDICC0.8

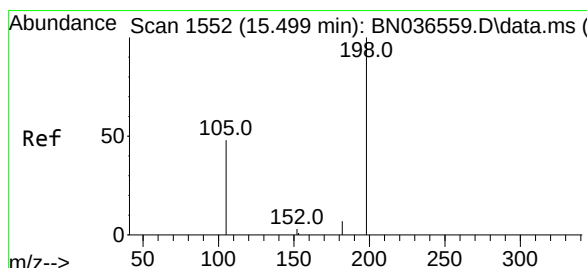
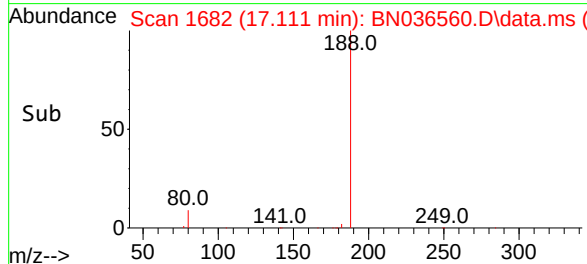
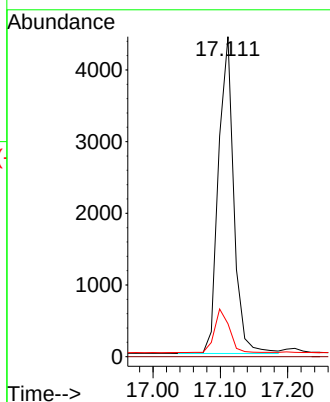
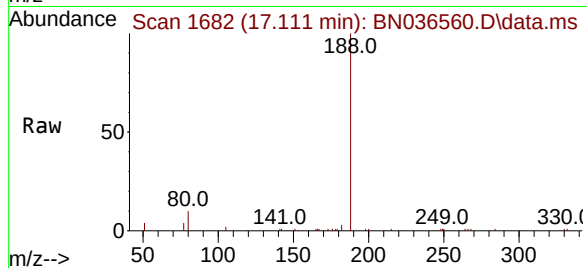
Tgt Ion:188 Resp: 6971

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

80 10.3 8.8 13.2



#20

4,6-Dinitro-2-methylphenol

Concen: 0.724 ng

RT: 15.499 min Scan# 1552

Delta R.T. 0.000 min

Lab File: BN036560.D

Acq: 10 Mar 2025 13:31

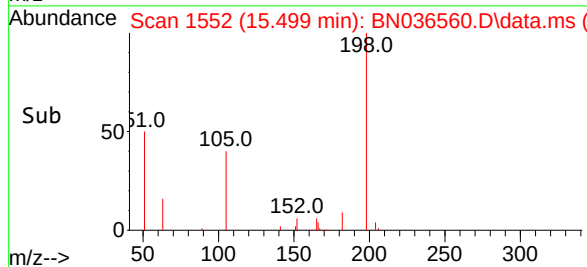
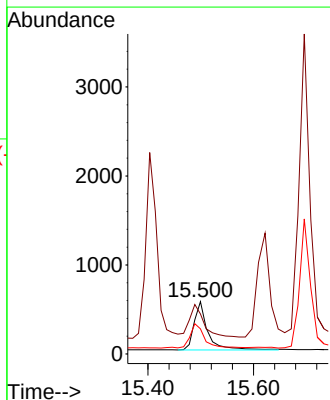
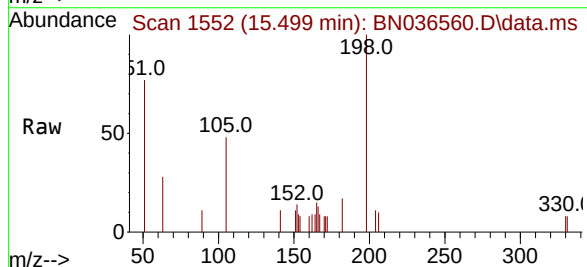
Tgt Ion:198 Resp: 1039

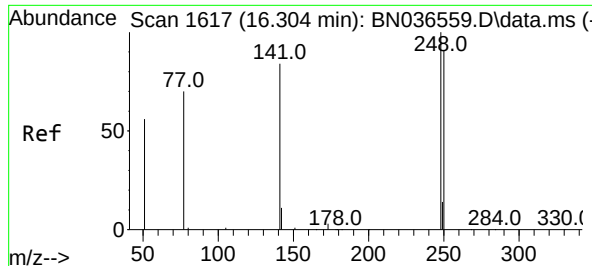
Ion Ratio Lower Upper

198 100

51 76.5 107.9 161.9#

105 48.1 56.2 84.2#

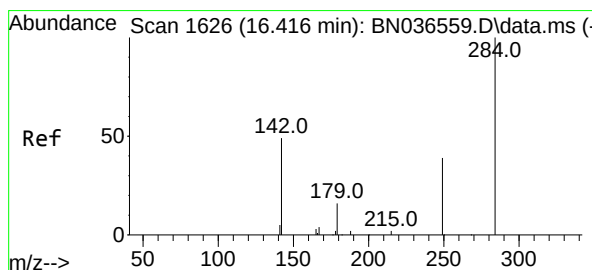
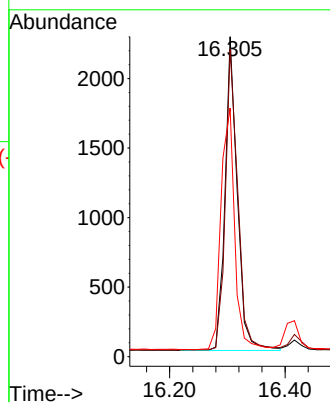
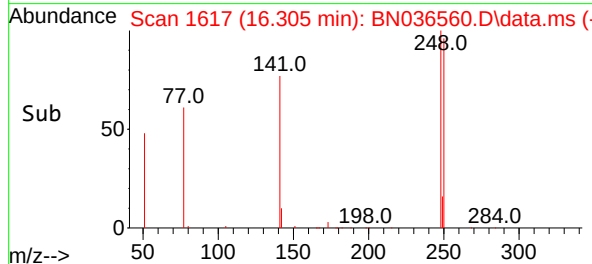
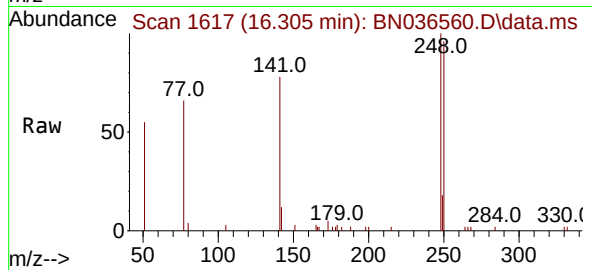




#21
4-Bromophenyl-phenylether
Concen: 0.761 ng
RT: 16.305 min Scan# 1617
Delta R.T. 0.000 min
Lab File: BN036560.D
Acq: 10 Mar 2025 13:31

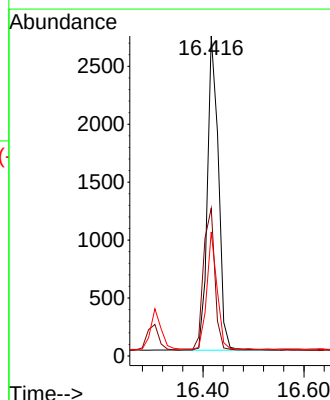
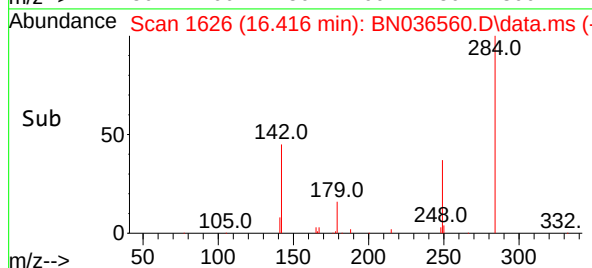
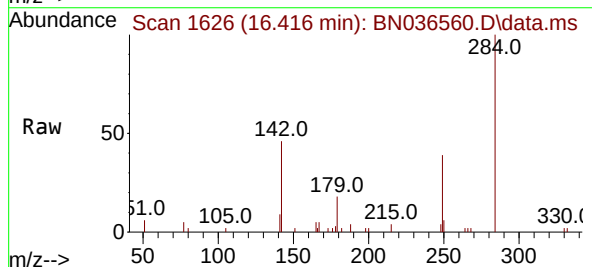
Instrument :
BNA_N
ClientSampleId :
SSTDICC0.8

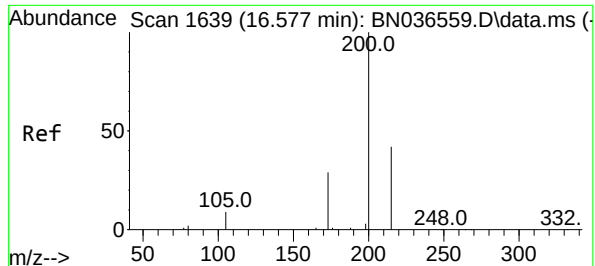
Tgt Ion	Ratio	Lower	Upper
248	100		
250	96.2	73.0	109.6
141	77.7	68.6	103.0



#22
Hexachlorobenzene
Concen: 0.780 ng
RT: 16.416 min Scan# 1626
Delta R.T. 0.000 min
Lab File: BN036560.D
Acq: 10 Mar 2025 13:31

Tgt Ion	Ratio	Lower	Upper
284	100		
142	47.2	37.0	55.4
249	34.7	28.1	42.1

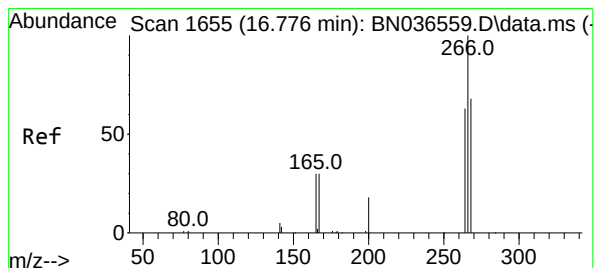
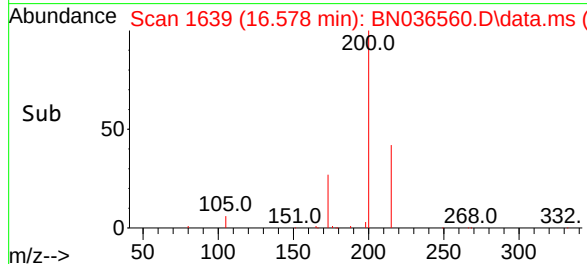
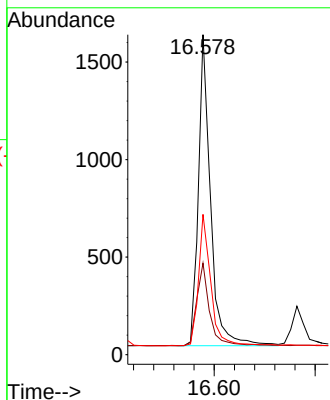
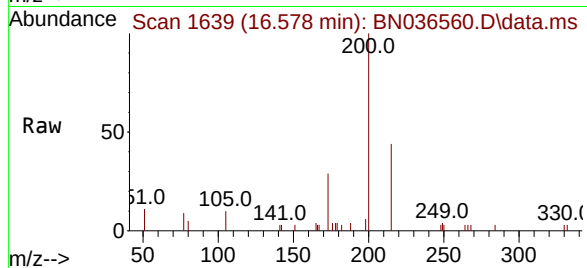




#23
Atrazine
Concen: 0.764 ng
RT: 16.578 min Scan# 1639
Delta R.T. 0.000 min
Lab File: BN036560.D
Acq: 10 Mar 2025 13:31

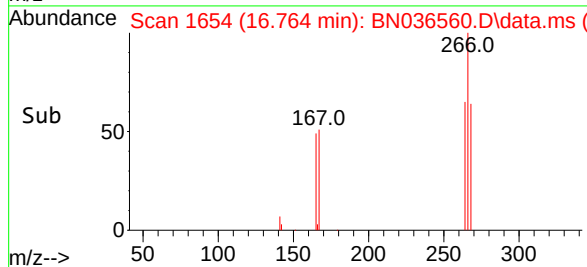
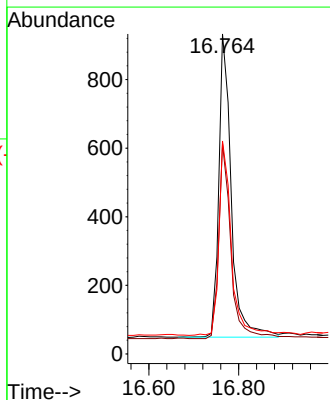
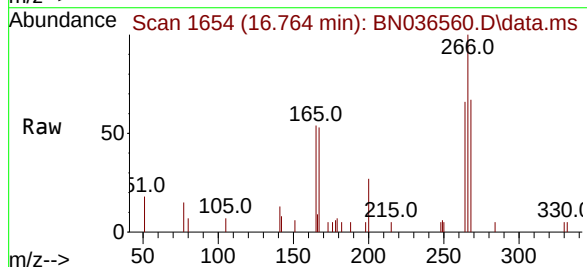
Instrument :
BNA_N
ClientSampleId :
SSTDICC0.8

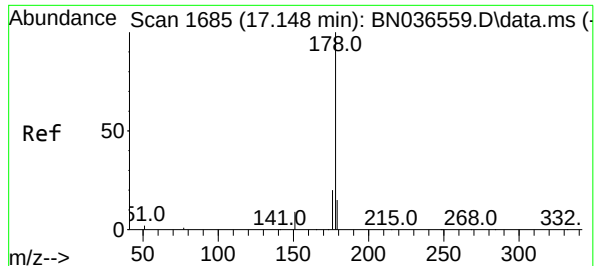
Tgt Ion	200	Resp:	2677
Ion Ratio	Lower	Upper	
200	100		
173	28.6	27.3	40.9
215	43.8	36.8	55.2



#24
Pentachlorophenol
Concen: 0.707 ng
RT: 16.764 min Scan# 1654
Delta R.T. -0.012 min
Lab File: BN036560.D
Acq: 10 Mar 2025 13:31

Tgt Ion	266	Resp:	1701
Ion Ratio	Lower	Upper	
266	100		
264	63.5	49.6	74.4
268	65.1	50.9	76.3

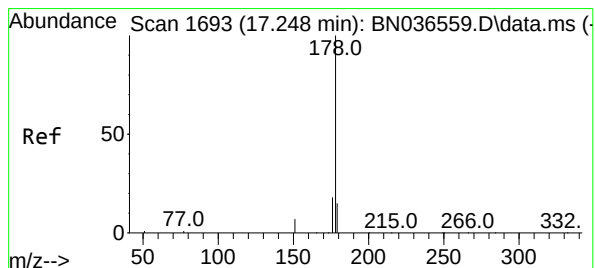
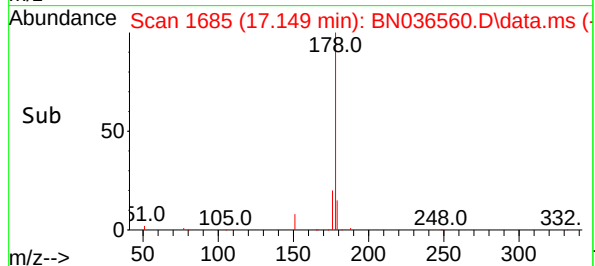
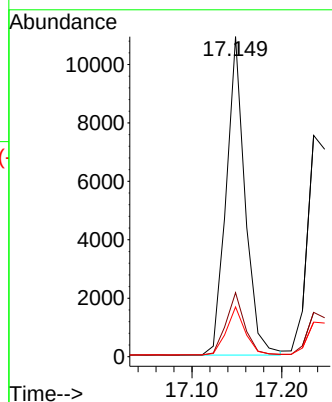
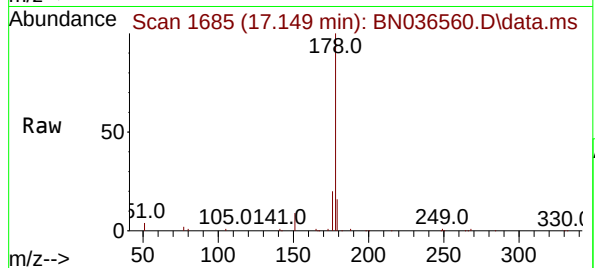




#25
Phenanthrene
Concen: 0.761 ng
RT: 17.149 min Scan# 1685
Delta R.T. 0.000 min
Lab File: BN036560.D
Acq: 10 Mar 2025 13:31

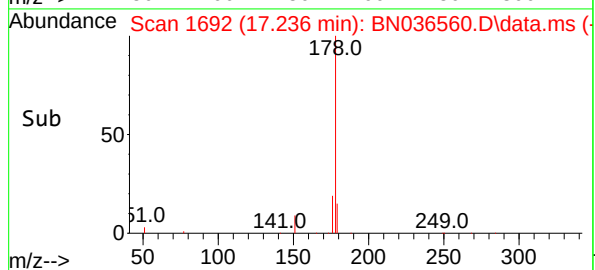
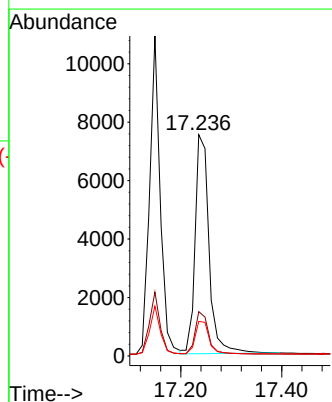
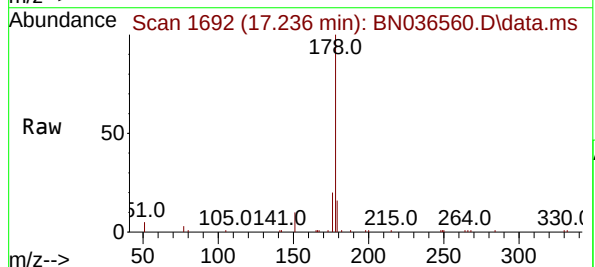
Instrument :
BNA_N
ClientSampleId :
SSTDICC0.8

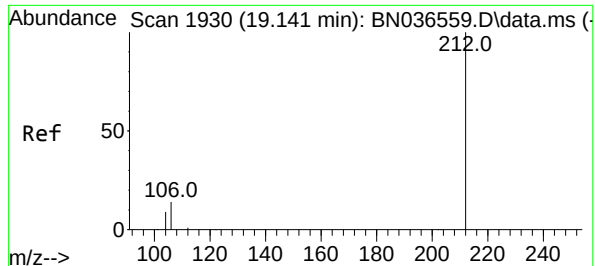
Tgt Ion:178 Resp: 15910
Ion Ratio Lower Upper
178 100
176 19.6 15.9 23.9
179 15.1 12.2 18.4



#26
Anthracene
Concen: 0.763 ng
RT: 17.236 min Scan# 1692
Delta R.T. -0.012 min
Lab File: BN036560.D
Acq: 10 Mar 2025 13:31

Tgt Ion:178 Resp: 14403
Ion Ratio Lower Upper
178 100
176 18.8 15.4 23.2
179 15.1 12.6 18.8





#27

Fluoranthene-d10

Concen: 0.746 ng

RT: 19.141 min Scan# 1930

Delta R.T. 0.000 min

Lab File: BN036560.D

Acq: 10 Mar 2025 13:31

Instrument :

BNA_N

ClientSampleId :

SSTDICC0.8

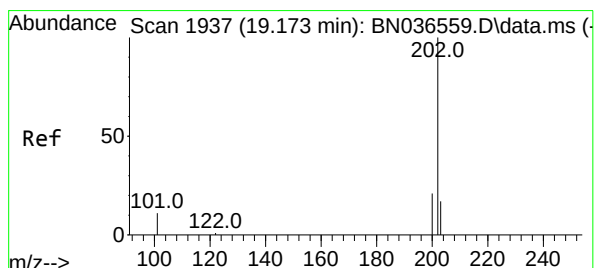
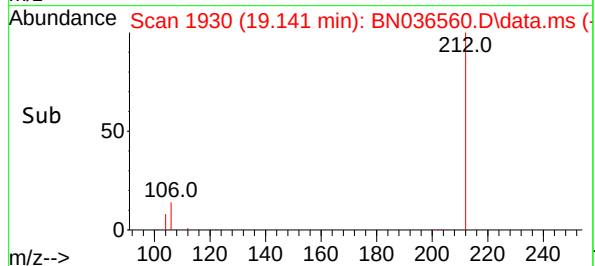
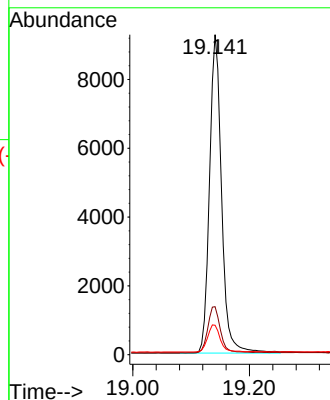
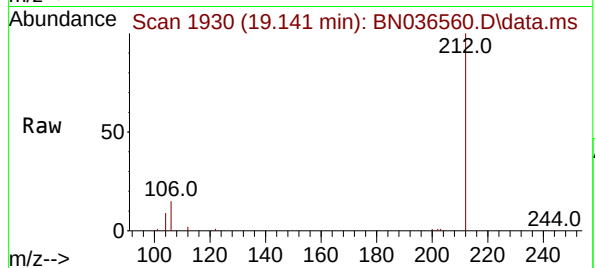
Tgt Ion:212 Resp: 13330

Ion Ratio Lower Upper

212 100

106 15.2 11.8 17.6

104 8.9 7.3 10.9



#28

Fluoranthene

Concen: 0.755 ng

RT: 19.174 min Scan# 1937

Delta R.T. 0.000 min

Lab File: BN036560.D

Acq: 10 Mar 2025 13:31

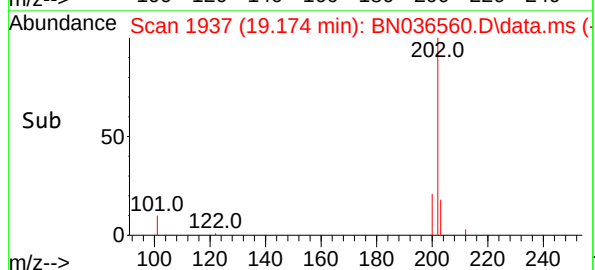
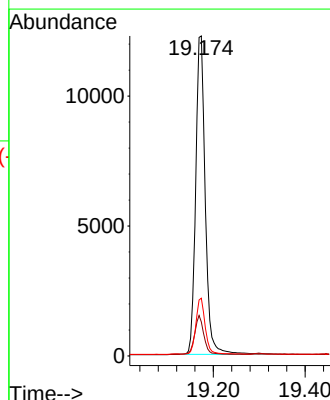
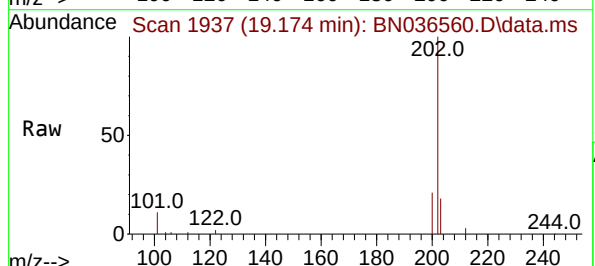
Tgt Ion:202 Resp: 17738

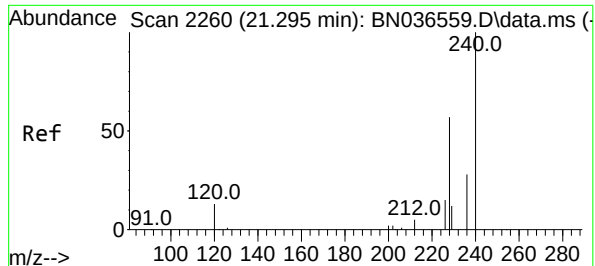
Ion Ratio Lower Upper

202 100

101 12.1 9.4 14.0

203 17.0 13.5 20.3





#29

Chrysene-d12

Concen: 0.400 ng

RT: 21.295 min Scan# 21

Delta R.T. 0.000 min

Lab File: BN036560.D

Acq: 10 Mar 2025 13:31

Instrument :

BNA_N

ClientSampleId :

SSTDICC0.8

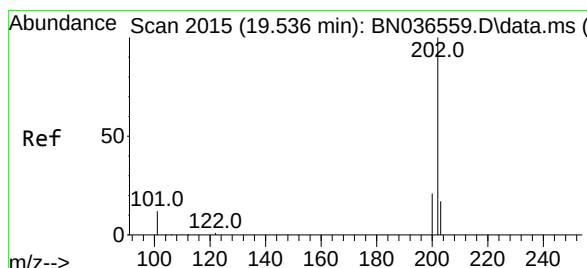
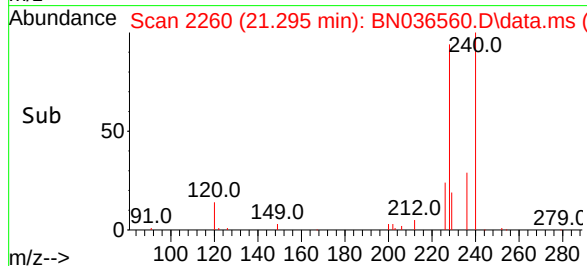
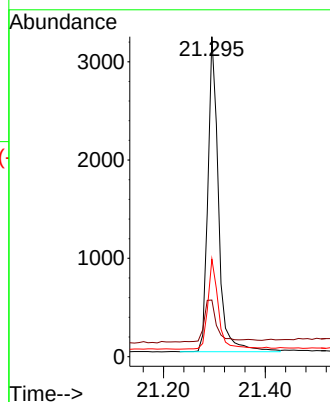
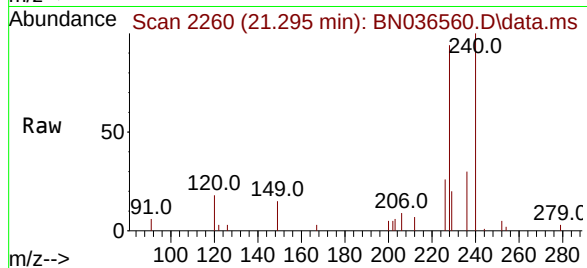
Tgt Ion:240 Resp: 4636

Ion Ratio Lower Upper

240 100

120 17.7 14.6 22.0

236 30.5 24.1 36.1



#30

Pyrene

Concen: 0.781 ng

RT: 19.536 min Scan# 2015

Delta R.T. 0.000 min

Lab File: BN036560.D

Acq: 10 Mar 2025 13:31

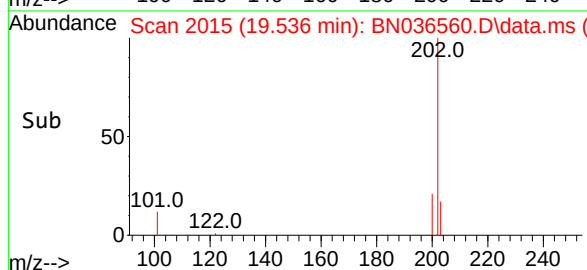
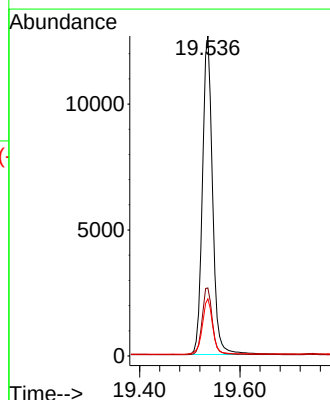
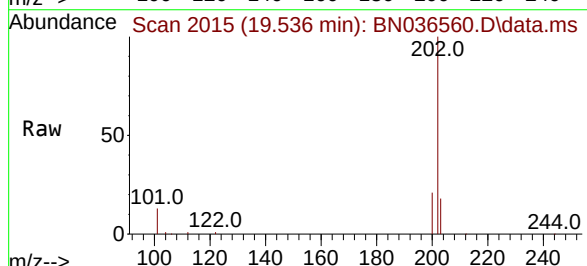
Tgt Ion:202 Resp: 17714

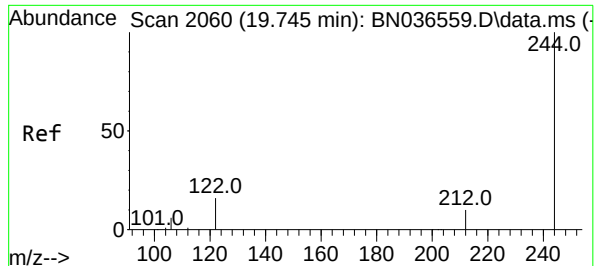
Ion Ratio Lower Upper

202 100

200 21.4 17.1 25.7

203 17.5 14.1 21.1





#31

Terphenyl-d14

Concen: 0.772 ng

RT: 19.745 min Scan# 2060

Delta R.T. 0.000 min

Lab File: BN036560.D

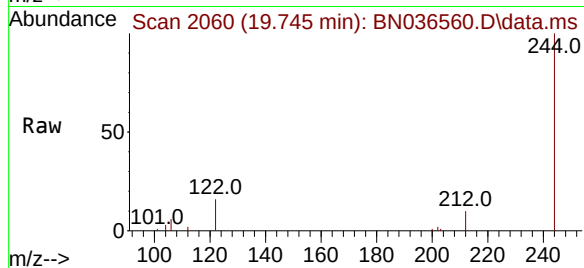
Acq: 10 Mar 2025 13:31

Instrument :

BNA_N

ClientSampleId :

SSTDICC0.8



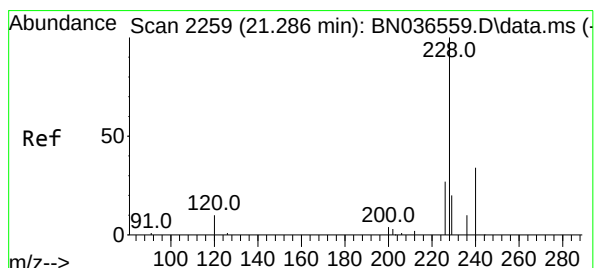
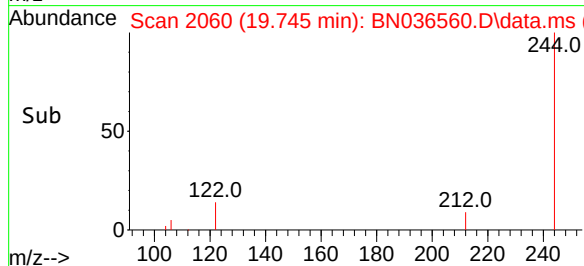
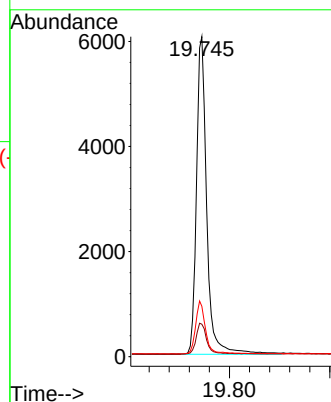
Tgt Ion:244 Resp: 8571

Ion Ratio Lower Upper

244 100

212 10.1 9.6 14.4

122 15.8 13.9 20.9



#32

Benzo(a)anthracene

Concen: 0.750 ng

RT: 21.277 min Scan# 2258

Delta R.T. -0.009 min

Lab File: BN036560.D

Acq: 10 Mar 2025 13:31

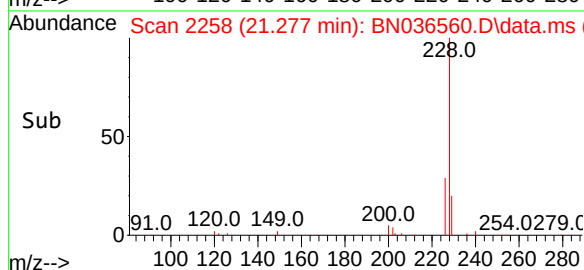
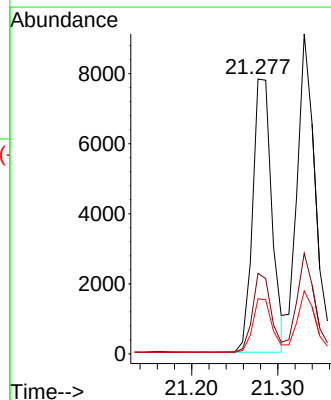
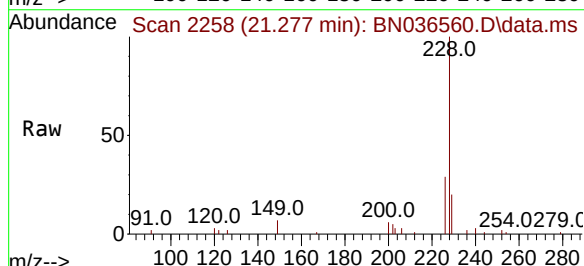
Tgt Ion:228 Resp: 12089

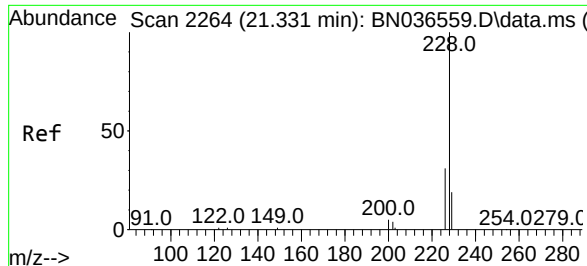
Ion Ratio Lower Upper

228 100

226 29.3 22.5 33.7

229 20.1 16.6 25.0





#33

Chrysene

Concen: 0.793 ng

RT: 21.331 min Scan# 21

Delta R.T. 0.000 min

Lab File: BN036560.D

Acq: 10 Mar 2025 13:31

Instrument :

BNA_N

ClientSampleId :

SSTDICC0.8

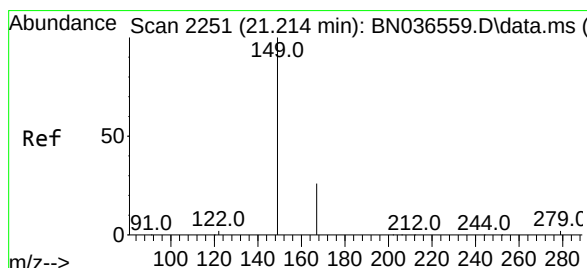
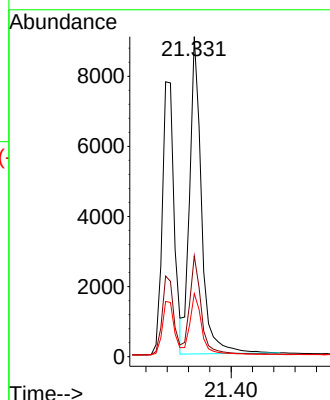
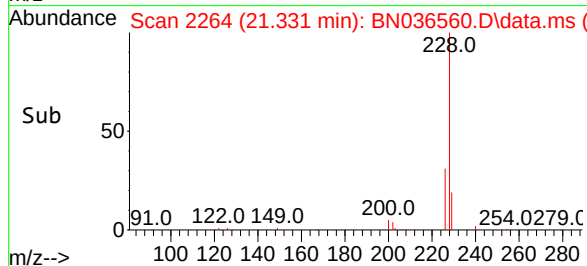
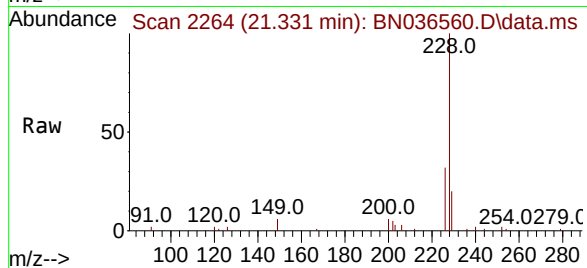
Tgt Ion:228 Resp: 13974

Ion Ratio Lower Upper

228 100

226 31.5 25.3 37.9

229 19.7 15.8 23.8



#34

Bis(2-ethylhexyl)phthalate

Concen: 0.699 ng

RT: 21.214 min Scan# 2251

Delta R.T. 0.000 min

Lab File: BN036560.D

Acq: 10 Mar 2025 13:31

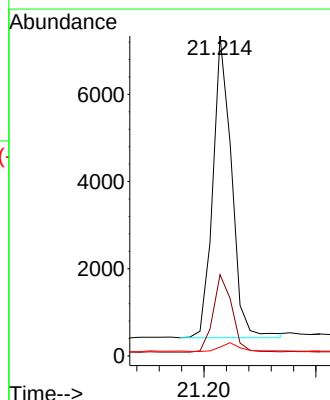
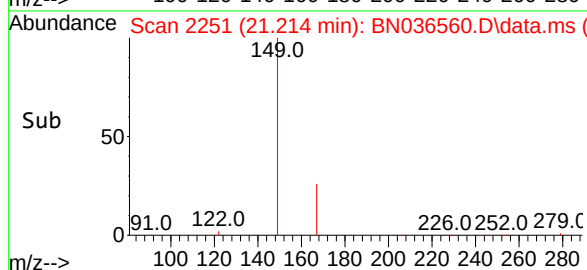
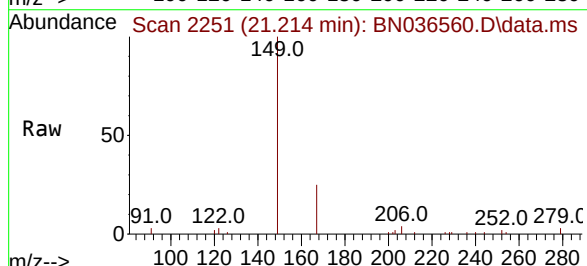
Tgt Ion:149 Resp: 8021

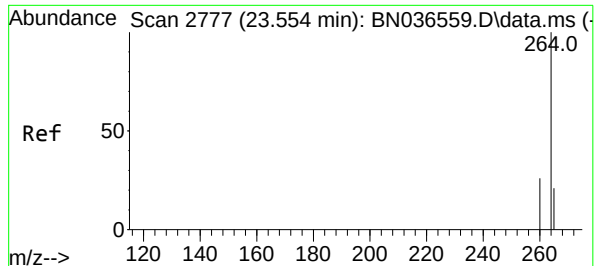
Ion Ratio Lower Upper

149 100

167 25.9 20.7 31.1

279 3.2 3.6 5.4#

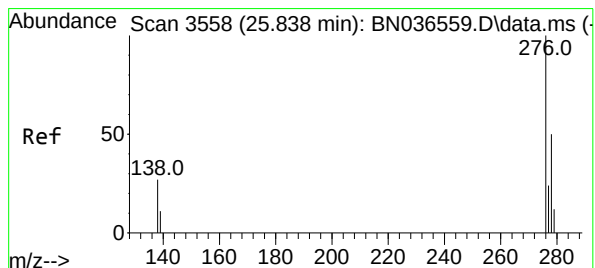
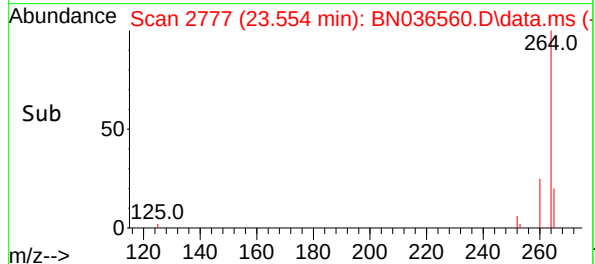
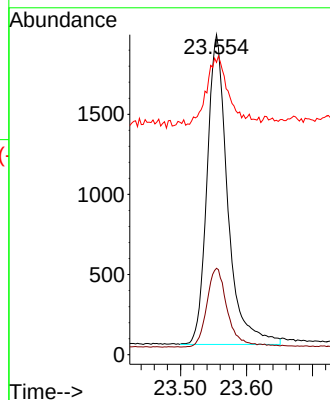
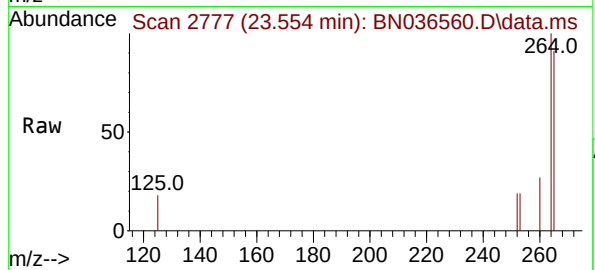




#35
Perylene-d12
Concen: 0.400 ng
RT: 23.554 min Scan# 21
Delta R.T. 0.000 min
Lab File: BN036560.D
Acq: 10 Mar 2025 13:31

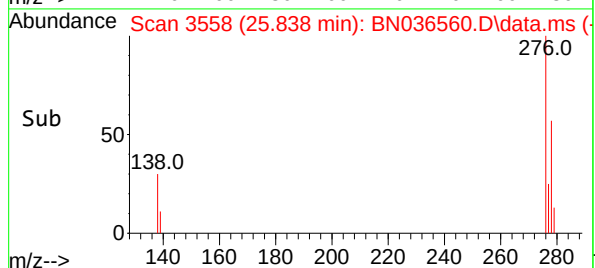
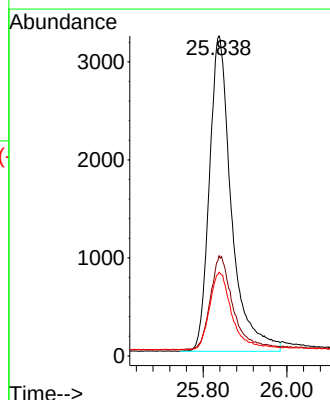
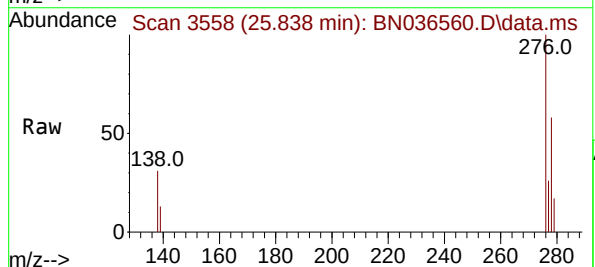
Instrument :
BNA_N
ClientSampleId :
SSTDICC0.8

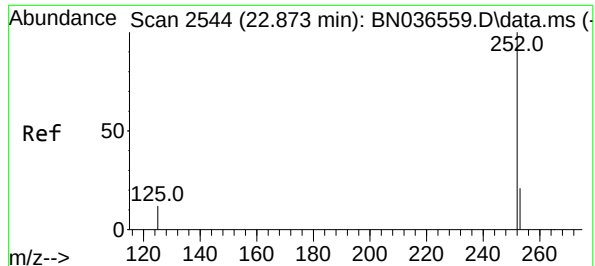
Tgt Ion	264	260	265
Resp:	4198		
Ion Ratio	100	27.0	91.3
Lower		22.6	88.1
Upper		33.8	132.1



#36
Indeno(1,2,3-cd)pyrene
Concen: 0.778 ng
RT: 25.838 min Scan# 3558
Delta R.T. 0.000 min
Lab File: BN036560.D
Acq: 10 Mar 2025 13:31

Tgt Ion	276	277
Resp:	11785	
Ion Ratio	100	24.7
Lower		20.0
Upper		30.0





#37

Benzo(b)fluoranthene

Concen: 0.770 ng

RT: 22.873 min Scan# 2544

Delta R.T. 0.000 min

Lab File: BN036560.D

Acq: 10 Mar 2025 13:31

Instrument :

BNA_N

ClientSampleId :

SSTDICC0.8

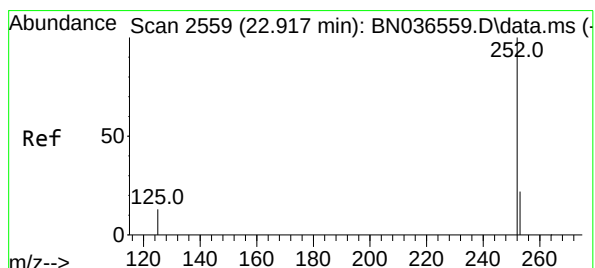
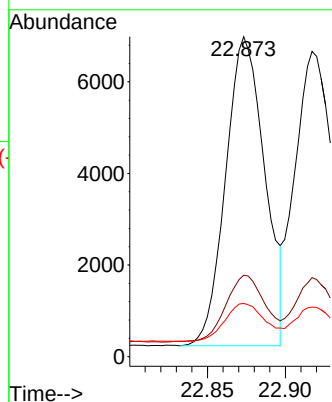
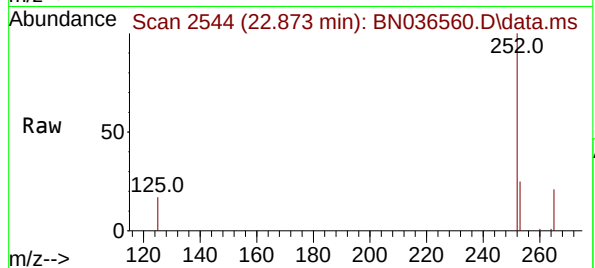
Tgt Ion:252 Resp: 11771

Ion Ratio Lower Upper

252 100

253 25.5 23.9 35.9

125 16.7 17.4 26.2#



#38

Benzo(k)fluoranthene

Concen: 0.776 ng

RT: 22.917 min Scan# 2559

Delta R.T. 0.000 min

Lab File: BN036560.D

Acq: 10 Mar 2025 13:31

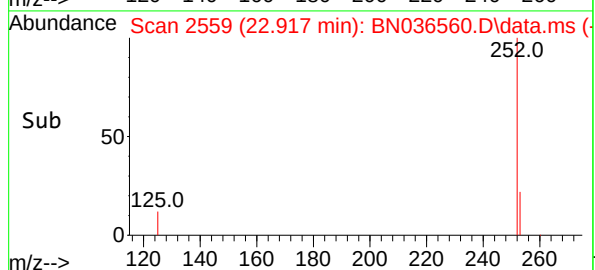
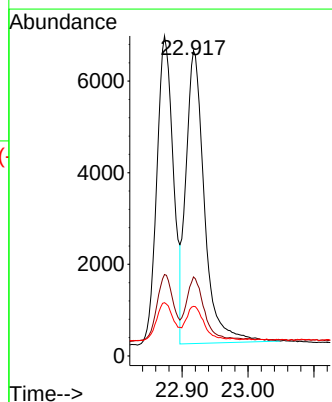
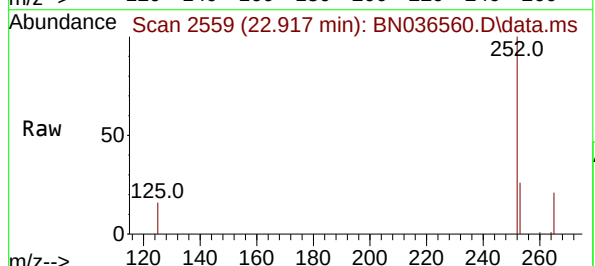
Tgt Ion:252 Resp: 12432

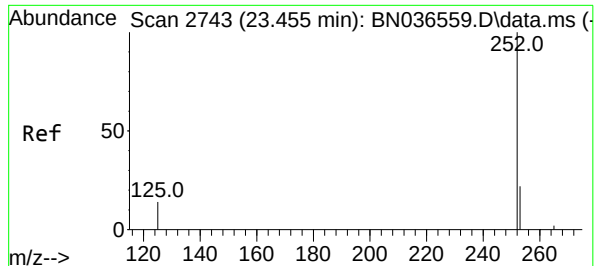
Ion Ratio Lower Upper

252 100

253 25.9 24.6 36.8

125 16.2 17.8 26.8#





#39

Benzo(a)pyrene

Concen: 0.780 ng

RT: 23.455 min Scan# 21

Delta R.T. 0.000 min

Lab File: BN036560.D

Acq: 10 Mar 2025 13:31

Instrument :

BNA_N

ClientSampleId :

SSTDICC0.8

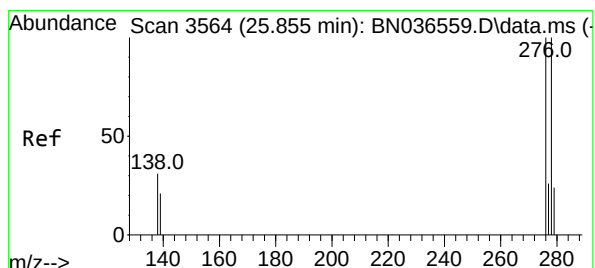
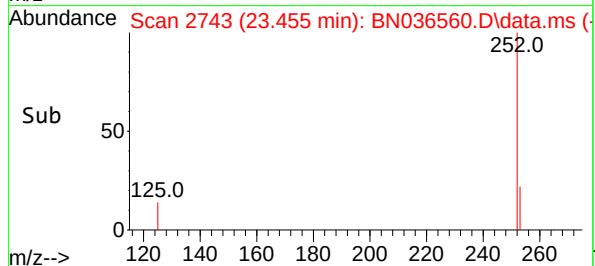
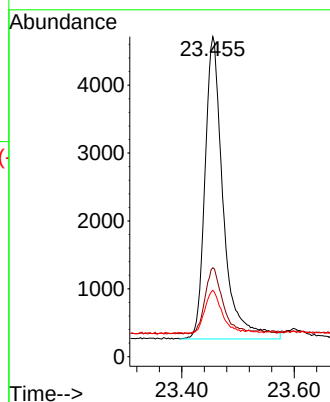
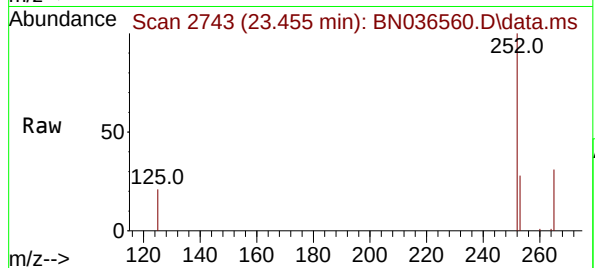
Tgt Ion:252 Resp: 10036

Ion Ratio Lower Upper

252 100

253 27.8 27.8 41.8#

125 20.7 22.7 34.1#



#40

Dibenzo(a,h)anthracene

Concen: 0.801 ng

RT: 25.858 min Scan# 3565

Delta R.T. 0.003 min

Lab File: BN036560.D

Acq: 10 Mar 2025 13:31

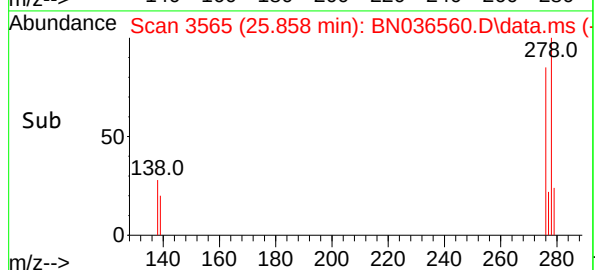
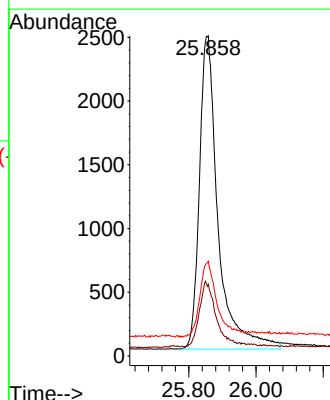
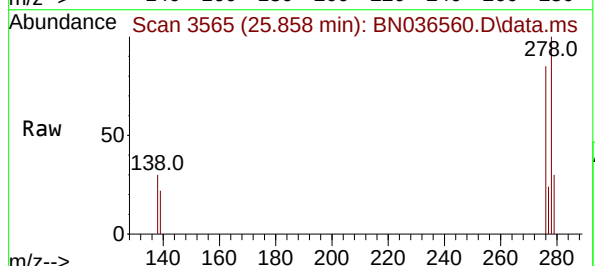
Tgt Ion:278 Resp: 9450

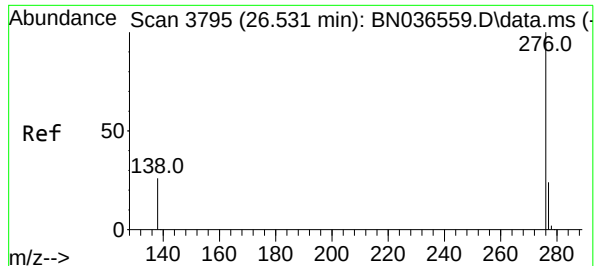
Ion Ratio Lower Upper

278 100

139 22.3 20.8 31.2

279 29.6 28.8 43.2





#41

Benzo(g,h,i)perylene

Concen: 0.778 ng

RT: 26.534 min Scan# 31

Delta R.T. 0.003 min

Lab File: BN036560.D

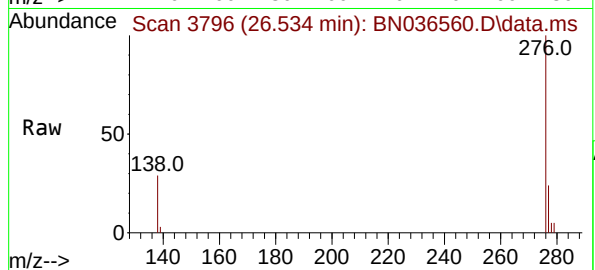
Acq: 10 Mar 2025 13:31

Instrument :

BNA_N

ClientSampleId :

SSTDICC0.8



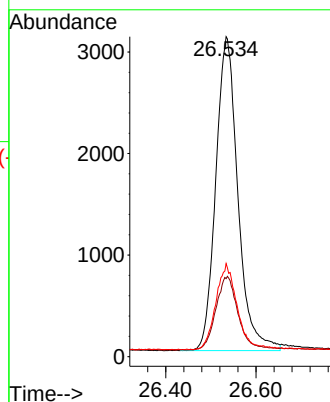
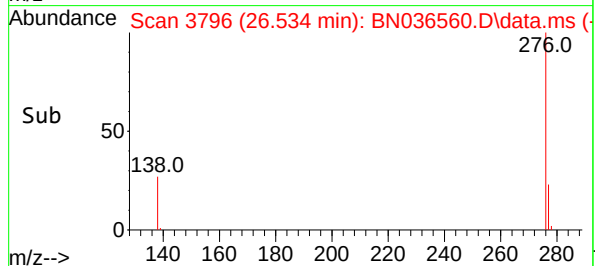
Tgt Ion:276 Resp: 10494

Ion Ratio Lower Upper

276 100

277 24.4 22.2 33.4

138 29.1 24.1 36.1



Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN031025\
 Data File : BN036561.D
 Acq On : 10 Mar 2025 14:07
 Operator : RC/JU
 Sample : SSTDICC1.6
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 SSTDICC1.6

Quant Time: Mar 10 16:02:21 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN031025.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Mar 10 15:54:23 2025
 Response via : Initial Calibration

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

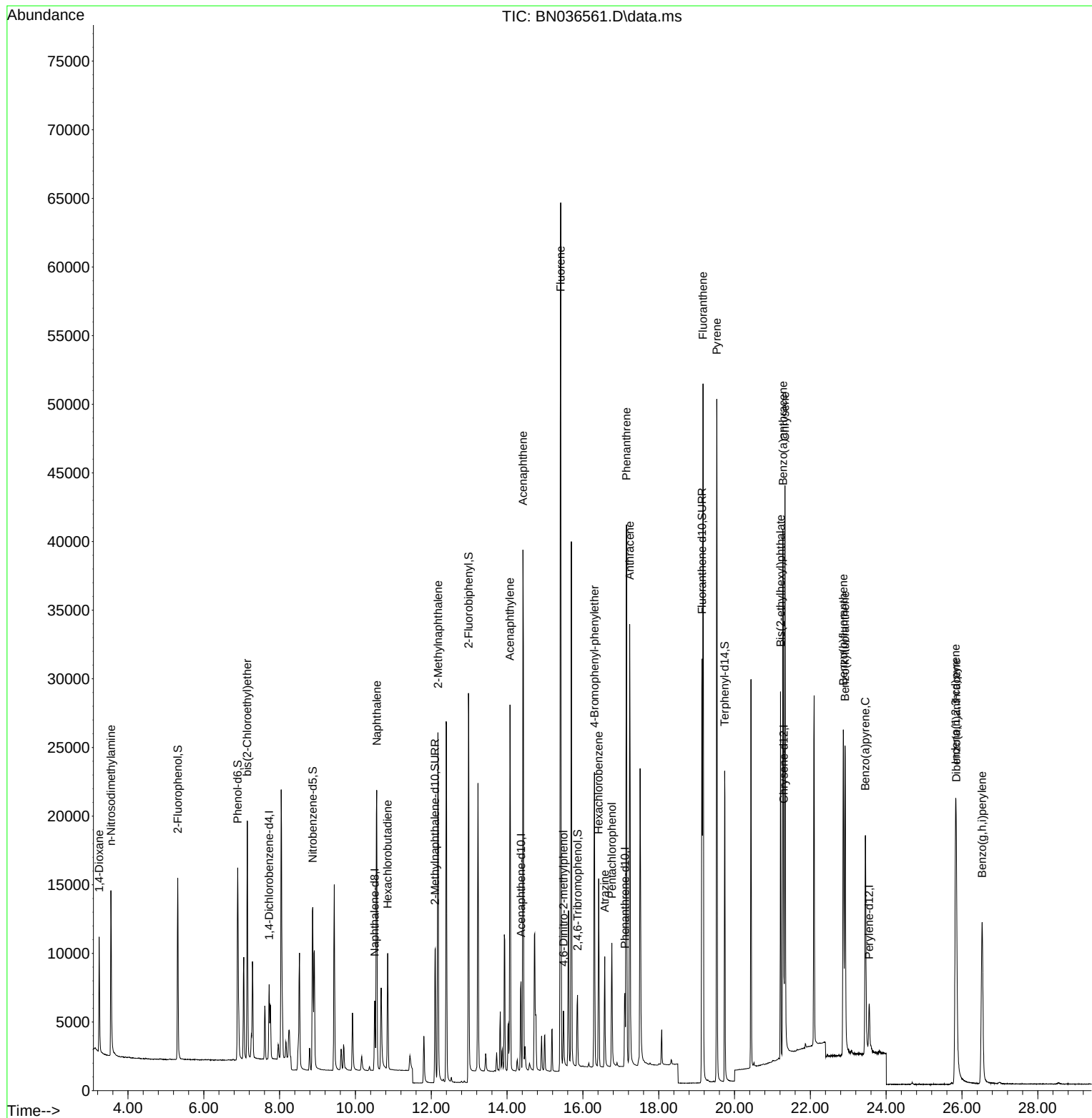
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.724	152	2537	0.400	ng	0.00
7) Naphthalene-d8	10.509	136	6200	0.400	ng	0.00
13) Acenaphthene-d10	14.366	164	3827	0.400	ng	0.00
19) Phenanthrene-d10	17.111	188	8149	0.400	ng	0.00
29) Chrysene-d12	21.295	240	5977	0.400	ng	# 0.00
35) Perylene-d12	23.552	264	5048	0.400	ng	# 0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.312	112	9276	1.569	ng	0.00
5) Phenol-d6	6.894	99	11493	1.574	ng	0.00
8) Nitrobenzene-d5	8.875	82	9959	1.477	ng	0.00
11) 2-Methylnaphthalene-d10	12.101	152	14319	1.553	ng	0.00
14) 2,4,6-Tribromophenol	15.858	330	2872	1.654	ng	0.00
15) 2-Fluorobiphenyl	12.983	172	36192	1.626	ng	0.00
27) Fluoranthene-d10	19.141	212	33414	1.600	ng	0.00
31) Terphenyl-d14	19.740	244	21872	1.527	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.239	88	4464	1.586	ng	98
3) n-Nitrosodimethylamine	3.550	42	8625	1.515	ng	# 96
6) bis(2-Chloroethyl)ether	7.147	93	11485	1.521	ng	99
9) Naphthalene	10.562	128	27473	1.506	ng	97
10) Hexachlorobutadiene	10.851	225	6466	1.506	ng	# 99
12) 2-Methylnaphthalene	12.177	142	18206	1.569	ng	98
16) Acenaphthylene	14.078	152	28080	1.555	ng	100
17) Acenaphthene	14.420	154	18355	1.553	ng	98
18) Fluorene	15.414	166	25565	1.599	ng	99
20) 4,6-Dinitro-2-methylph...	15.489	198	2879	1.488	ng	# 64
21) 4-Bromophenyl-phenylether	16.305	248	7859	1.539	ng	# 85
22) Hexachlorobenzene	16.416	284	9216	1.495	ng	100
23) Atrazine	16.578	200	6530	1.595	ng	# 91
24) Pentachlorophenol	16.764	266	4395	1.563	ng	99
25) Phenanthrene	17.149	178	37989	1.554	ng	99
26) Anthracene	17.235	178	35054	1.589	ng	99
28) Fluoranthene	19.169	202	44451	1.619	ng	99
30) Pyrene	19.531	202	44705	1.530	ng	100
32) Benzo(a)anthracene	21.277	228	32205	1.550	ng	98
33) Chrysene	21.331	228	34953	1.539	ng	99
34) Bis(2-ethylhexyl)phtha...	21.214	149	22621	1.529	ng	# 99
36) Indeno(1,2,3-cd)pyrene	25.832	276	28605	1.570	ng	99
37) Benzo(b)fluoranthene	22.870	252	29819	1.623	ng	# 86
38) Benzo(k)fluoranthene	22.917	252	30710	1.593	ng	# 85
39) Benzo(a)pyrene	23.452	252	24696	1.596	ng	# 79
40) Dibenzo(a,h)anthracene	25.850	278	22248	1.569	ng	# 85
41) Benzo(g,h,i)perylene	26.531	276	24906	1.535	ng	93

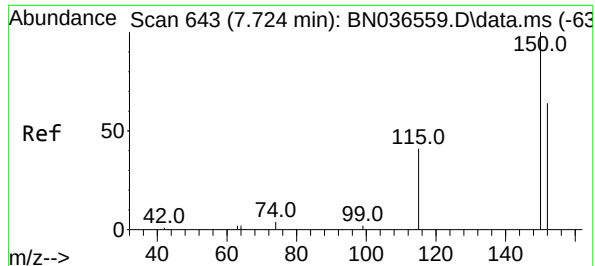
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN031025\
Data File : BN036561.D
Acq On : 10 Mar 2025 14:07
Operator : RC/JU
Sample : SSTDICC1.6
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
SSTDICC1.6

Quant Time: Mar 10 16:02:21 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN031025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Mar 10 15:54:23 2025
Response via : Initial Calibration

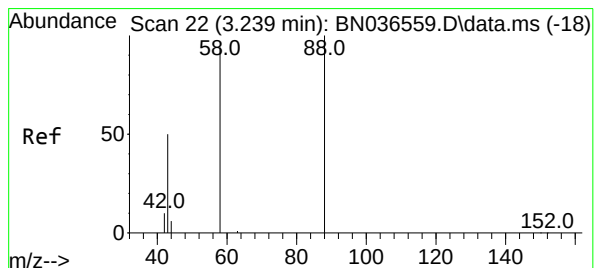
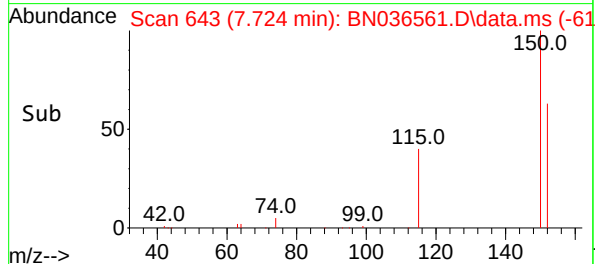
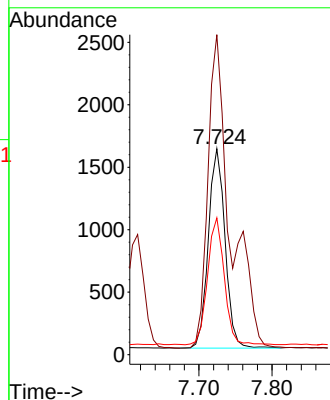
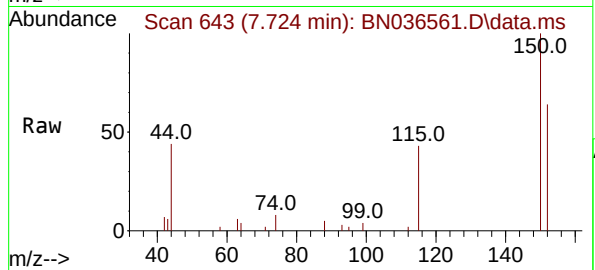




#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.724 min Scan# 64
Delta R.T. 0.000 min
Lab File: BN036561.D
Acq: 10 Mar 2025 14:07

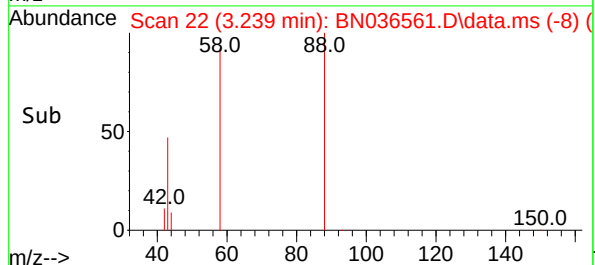
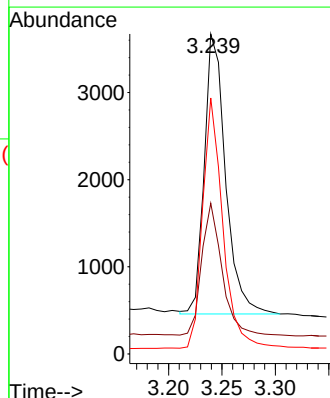
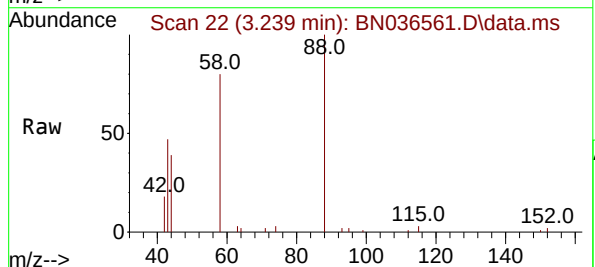
Instrument :
BNA_N
ClientSampleId :
SSTDICC1.6

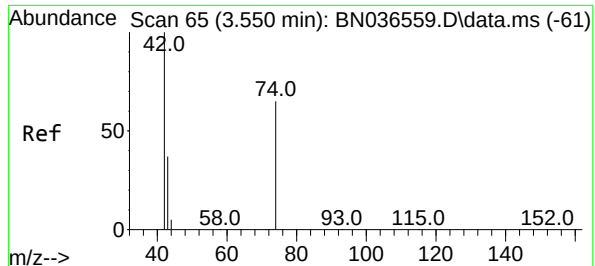
Tgt Ion:152 Resp: 2537
Ion Ratio Lower Upper
152 100
150 155.4 123.7 185.5
115 66.4 54.3 81.5



#2
1,4-Dioxane
Concen: 1.586 ng
RT: 3.239 min Scan# 22
Delta R.T. 0.000 min
Lab File: BN036561.D
Acq: 10 Mar 2025 14:07

Tgt Ion: 88 Resp: 4464
Ion Ratio Lower Upper
88 100
43 45.1 37.8 56.8
58 85.6 67.4 101.2

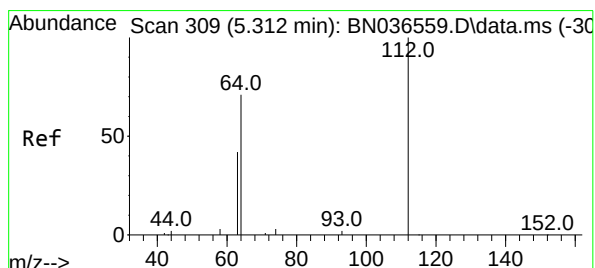
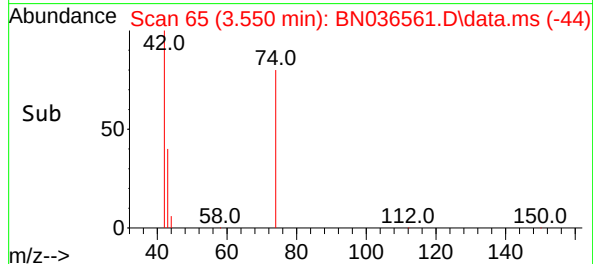
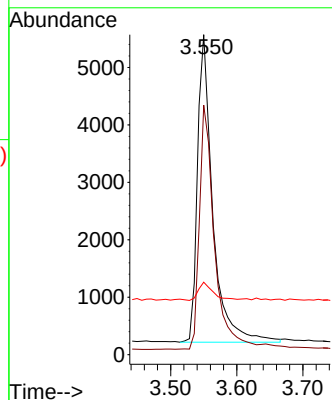
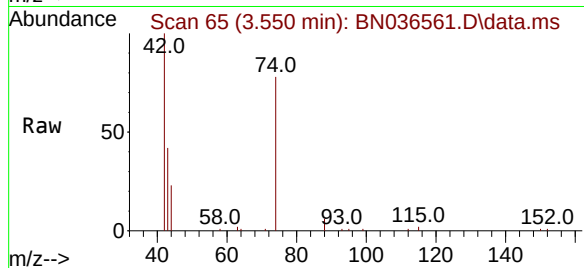




#3
n-Nitrosodimethylamine
Concen: 1.515 ng
RT: 3.550 min Scan# 61
Delta R.T. 0.000 min
Lab File: BN036561.D
Acq: 10 Mar 2025 14:07

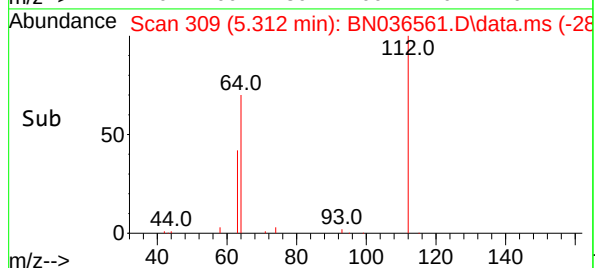
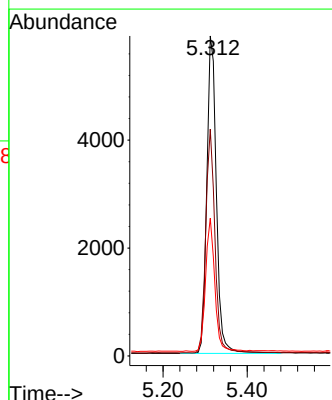
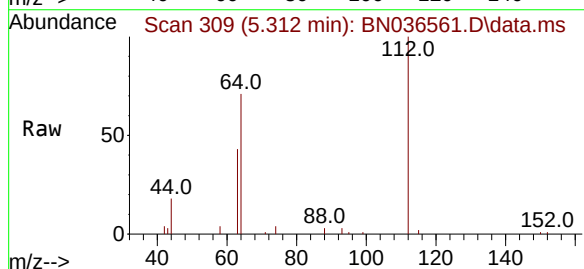
Instrument :
BNA_N
ClientSampleId :
SSTDICC1.6

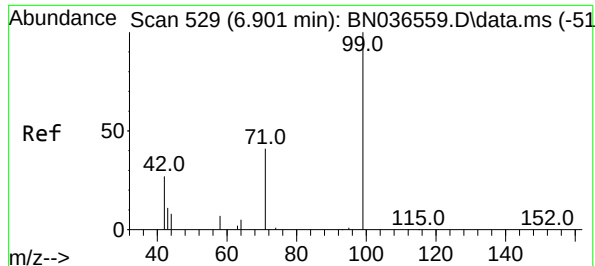
Tgt Ion: 42 Resp: 8625
Ion Ratio Lower Upper
42 100
74 79.2 60.6 90.8
44 5.8 6.3 9.5#



#4
2-Fluorophenol
Concen: 1.569 ng
RT: 5.312 min Scan# 309
Delta R.T. 0.000 min
Lab File: BN036561.D
Acq: 10 Mar 2025 14:07

Tgt Ion: 112 Resp: 9276
Ion Ratio Lower Upper
112 100
64 68.3 53.1 79.7
63 40.1 31.8 47.8

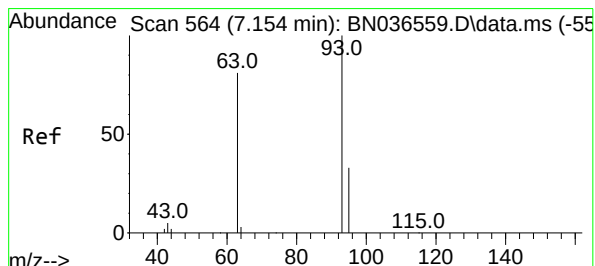
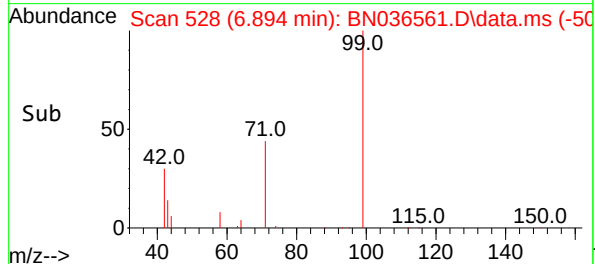
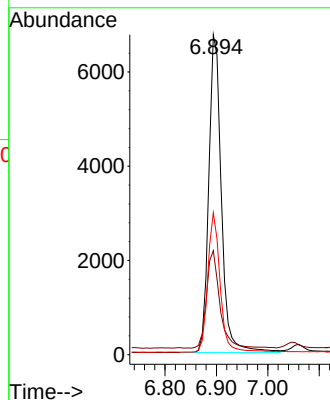
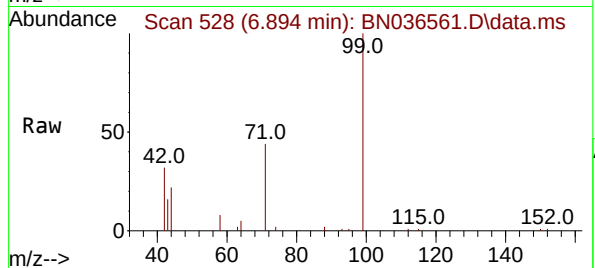




#5
Phenol-d6
Concen: 1.574 ng
RT: 6.894 min Scan# 51
Delta R.T. -0.007 min
Lab File: BN036561.D
Acq: 10 Mar 2025 14:07

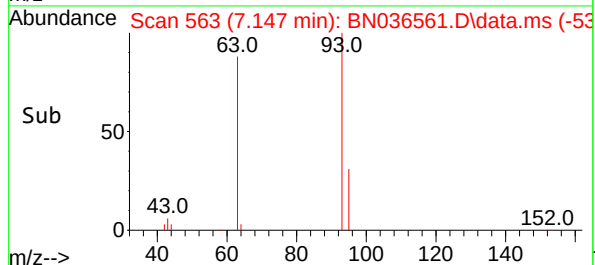
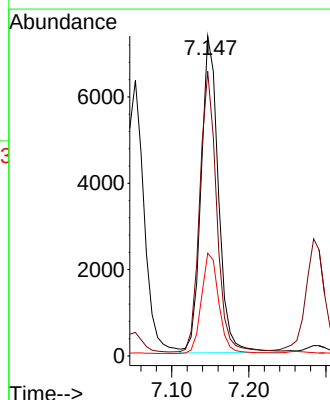
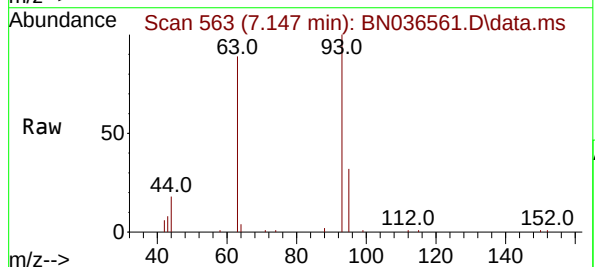
Instrument :
BNA_N
ClientSampleId :
SSTDICC1.6

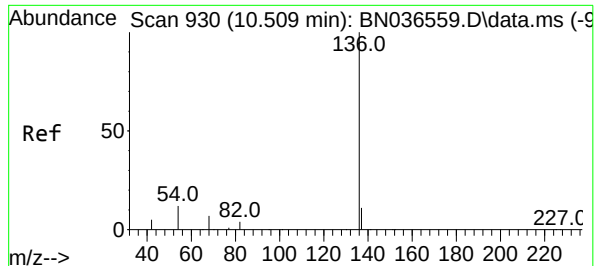
Tgt Ion: 99 Resp: 11493
Ion Ratio Lower Upper
99 100
42 32.6 26.5 39.7
71 43.3 34.1 51.1



#6
bis(2-Chloroethyl)ether
Concen: 1.521 ng
RT: 7.147 min Scan# 563
Delta R.T. -0.007 min
Lab File: BN036561.D
Acq: 10 Mar 2025 14:07

Tgt Ion: 93 Resp: 11485
Ion Ratio Lower Upper
93 100
63 85.8 67.7 101.5
95 31.8 25.6 38.4

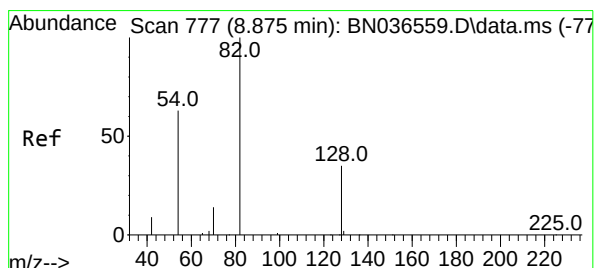
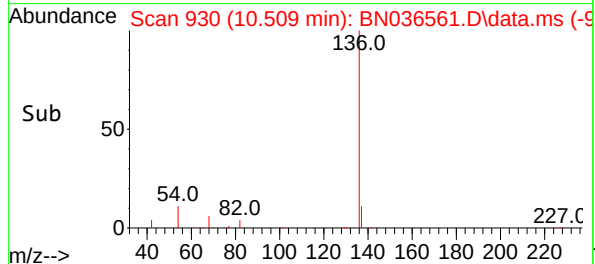
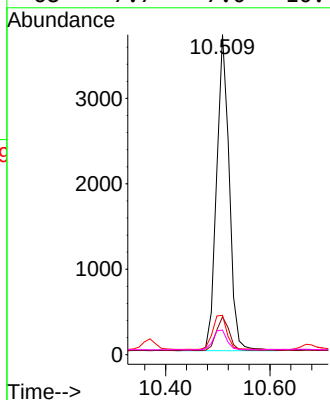
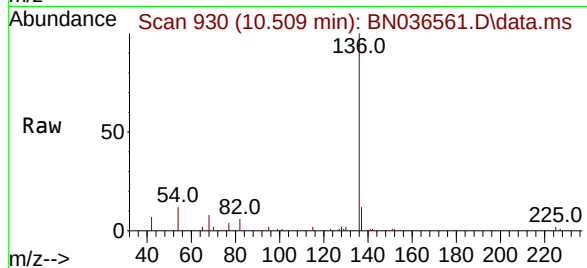




#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.509 min Scan# 91
Delta R.T. 0.000 min
Lab File: BN036561.D
Acq: 10 Mar 2025 14:07

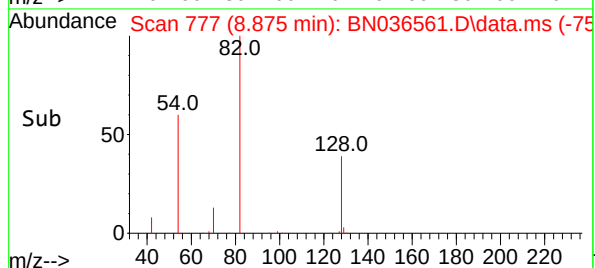
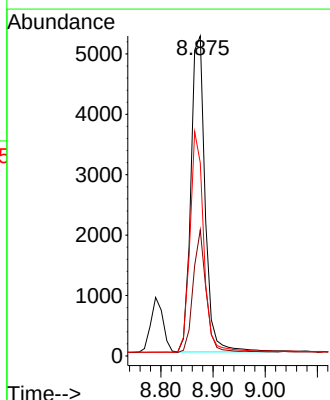
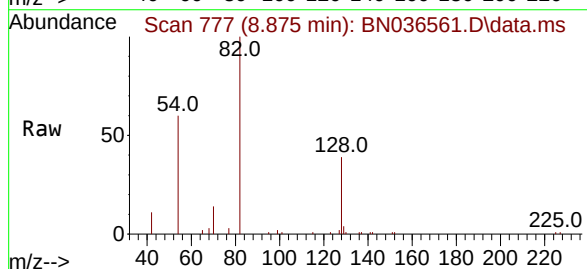
Instrument :
BNA_N
ClientSampleId :
SSTDICC1.6

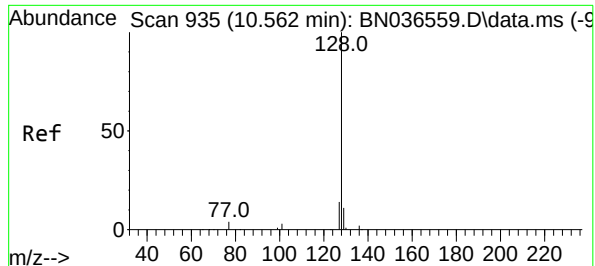
Tgt Ion:	136	Resp:	6200
Ion	Ratio	Lower	Upper
136	100		
137	11.9	10.3	15.5
54	12.3	11.5	17.3
68	7.7	7.0	10.4



#8
Nitrobenzene-d5
Concen: 1.477 ng
RT: 8.875 min Scan# 777
Delta R.T. 0.000 min
Lab File: BN036561.D
Acq: 10 Mar 2025 14:07

Tgt Ion:	82	Resp:	9959
Ion	Ratio	Lower	Upper
82	100		
128	39.4	30.6	45.8
54	60.4	52.2	78.4

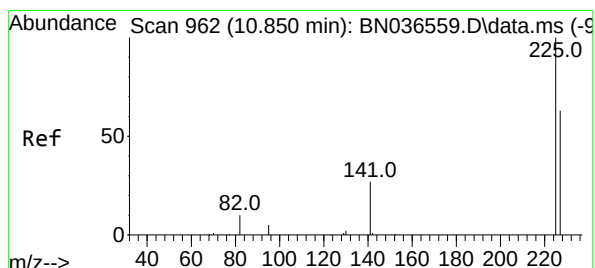
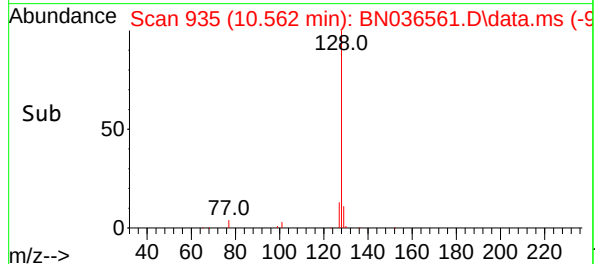
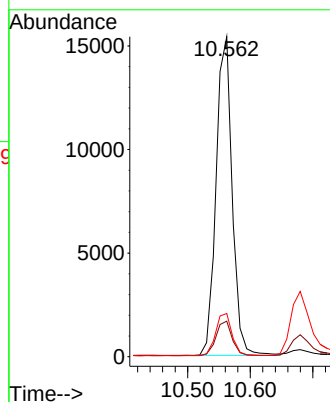
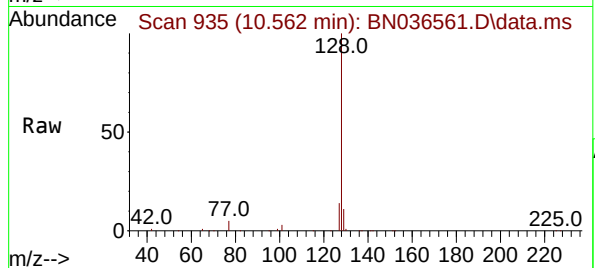




#9
Naphthalene
Concen: 1.506 ng
RT: 10.562 min Scan# 91
Delta R.T. 0.000 min
Lab File: BN036561.D
Acq: 10 Mar 2025 14:07

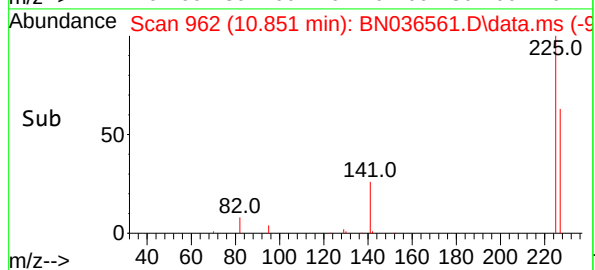
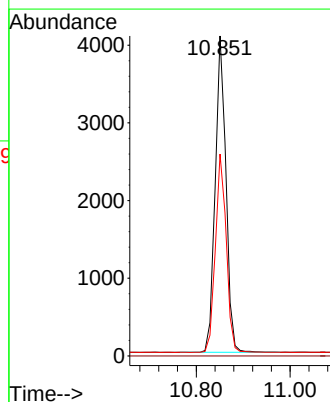
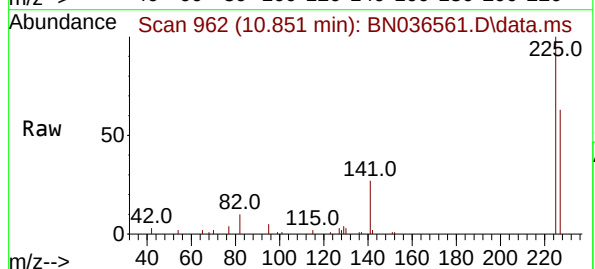
Instrument :
BNA_N
ClientSampleId :
SSTDICC1.6

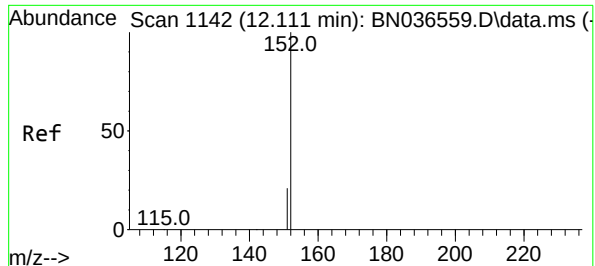
Tgt Ion:128 Resp: 27473
Ion Ratio Lower Upper
128 100
129 11.1 9.8 14.6
127 13.5 11.8 17.8



#10
Hexachlorobutadiene
Concen: 1.506 ng
RT: 10.851 min Scan# 962
Delta R.T. 0.000 min
Lab File: BN036561.D
Acq: 10 Mar 2025 14:07

Tgt Ion:225 Resp: 6466
Ion Ratio Lower Upper
225 100
223 0.0 0.0 0.0
227 63.8 51.8 77.8

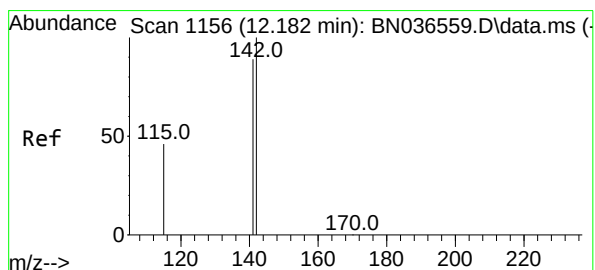
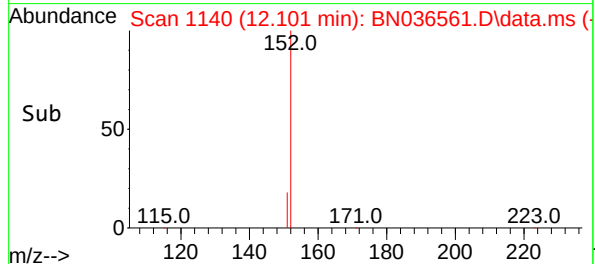
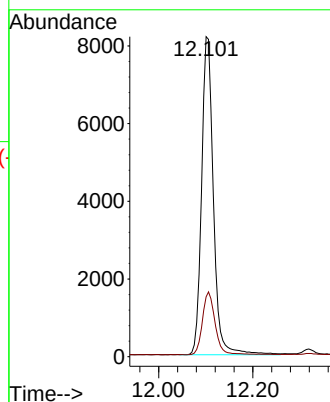
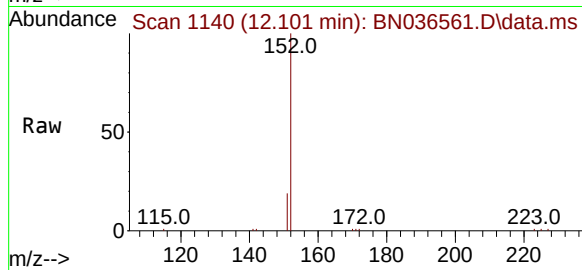




#11
2-Methylnaphthalene-d10
Concen: 1.553 ng
RT: 12.101 min Scan# 1142
Delta R.T. -0.010 min
Lab File: BN036561.D
Acq: 10 Mar 2025 14:07

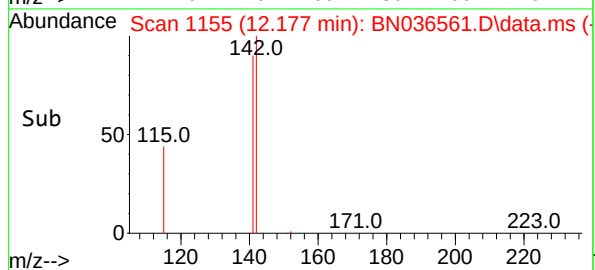
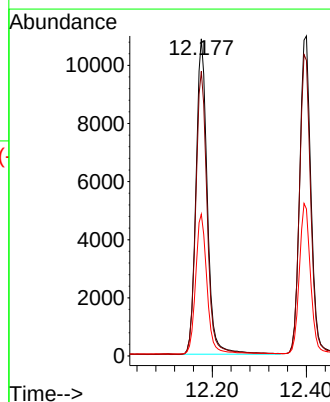
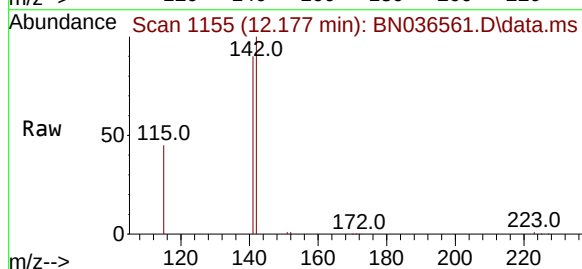
Instrument :
BNA_N
ClientSampleId :
SSTDICC1.6

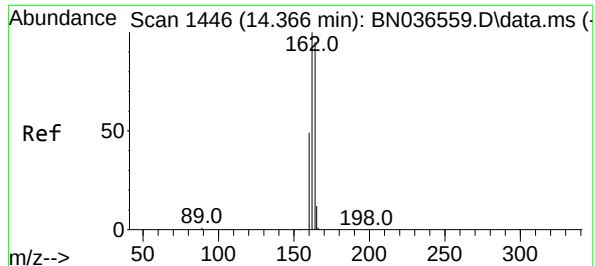
Tgt Ion:152 Resp: 14319
Ion Ratio Lower Upper
152 100
151 21.3 17.0 25.6



#12
2-Methylnaphthalene
Concen: 1.569 ng
RT: 12.177 min Scan# 1155
Delta R.T. -0.005 min
Lab File: BN036561.D
Acq: 10 Mar 2025 14:07

Tgt Ion:142 Resp: 18206
Ion Ratio Lower Upper
142 100
141 89.7 71.7 107.5
115 44.7 38.3 57.5

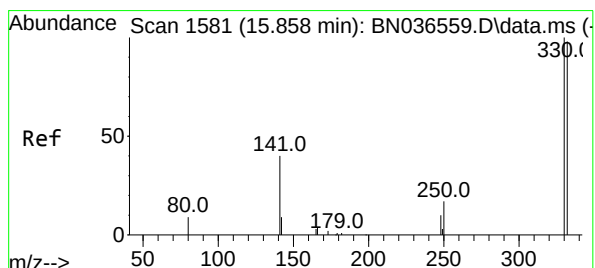
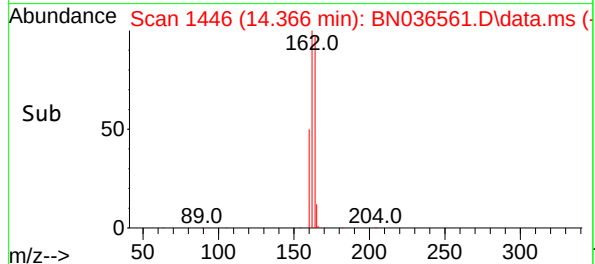
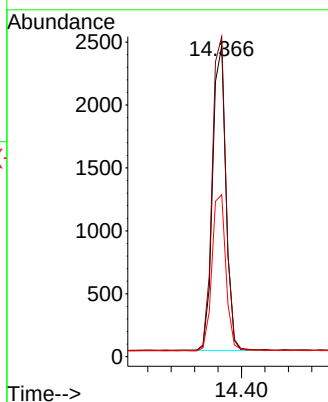
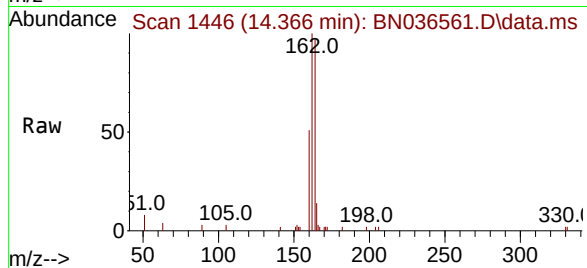




#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.366 min Scan# 1446
Delta R.T. 0.000 min
Lab File: BN036561.D
Acq: 10 Mar 2025 14:07

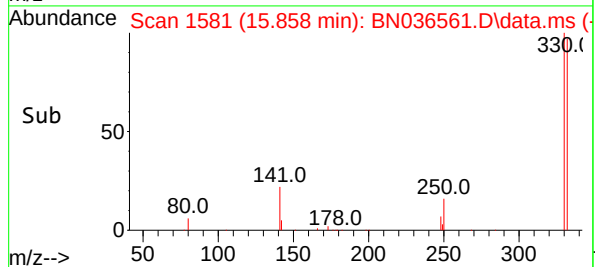
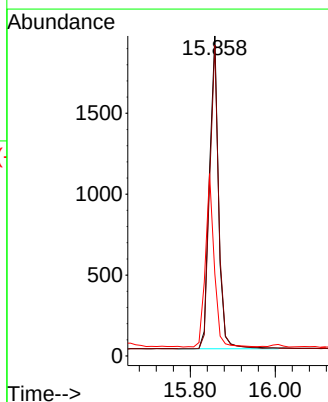
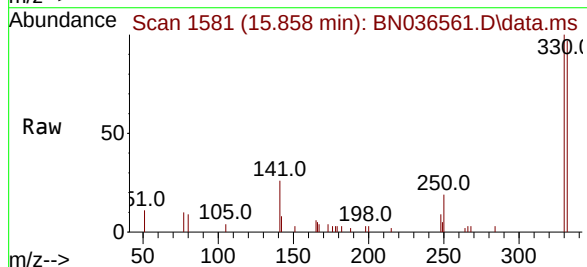
Instrument :
BNA_N
ClientSampleId :
SSTDICC1.6

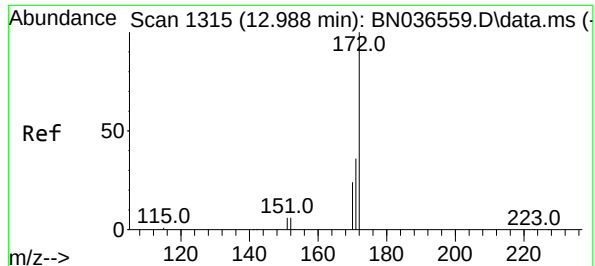
Tgt Ion:164 Resp: 3827
Ion Ratio Lower Upper
164 100
162 102.9 84.2 126.2
160 52.1 42.2 63.2



#14
2,4,6-Tribromophenol
Concen: 1.654 ng
RT: 15.858 min Scan# 1581
Delta R.T. 0.000 min
Lab File: BN036561.D
Acq: 10 Mar 2025 14:07

Tgt Ion:330 Resp: 2872
Ion Ratio Lower Upper
330 100
332 96.3 75.2 112.8
141 53.8 43.4 65.2

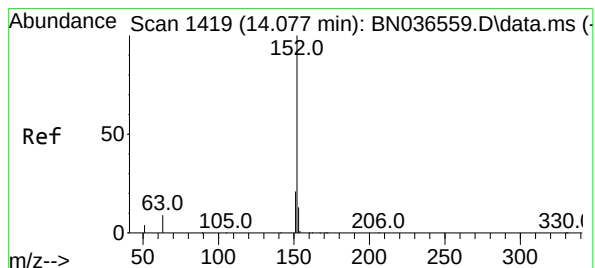
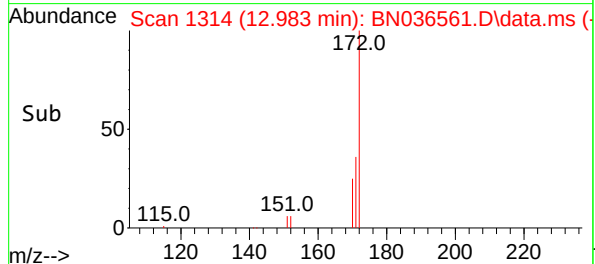
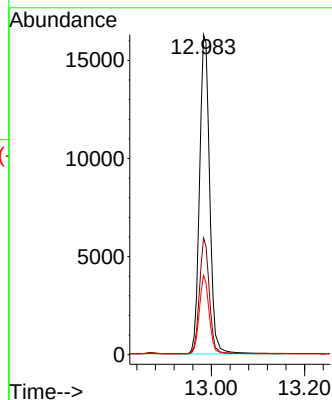
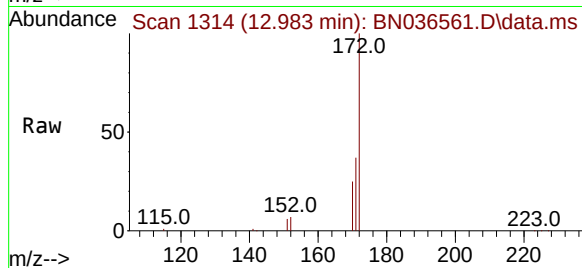




#15
2-Fluorobiphenyl
Concen: 1.626 ng
RT: 12.983 min Scan# 1315
Delta R.T. -0.005 min
Lab File: BN036561.D
Acq: 10 Mar 2025 14:07

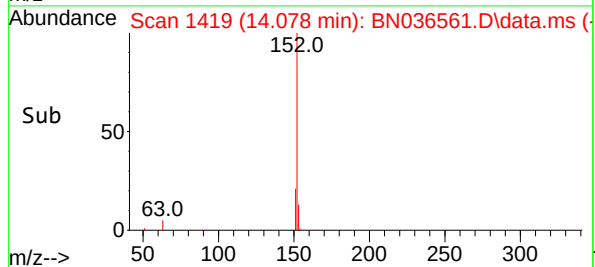
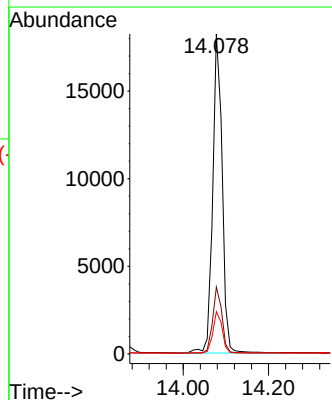
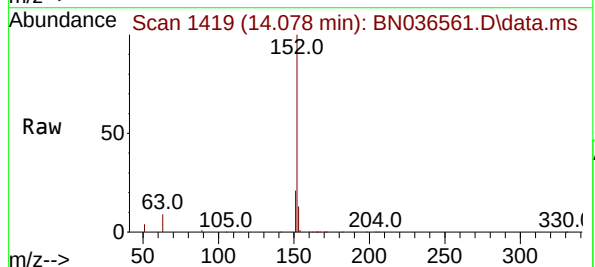
Instrument :
BNA_N
ClientSampleId :
SSTDICC1.6

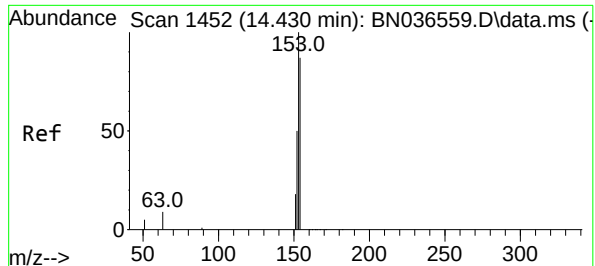
Tgt Ion:172 Resp: 36192
Ion Ratio Lower Upper
172 100
171 36.5 29.5 44.3
170 24.9 20.2 30.4



#16
Acenaphthylene
Concen: 1.555 ng
RT: 14.078 min Scan# 1419
Delta R.T. 0.000 min
Lab File: BN036561.D
Acq: 10 Mar 2025 14:07

Tgt Ion:152 Resp: 28080
Ion Ratio Lower Upper
152 100
151 20.3 16.2 24.4
153 13.0 10.6 15.8

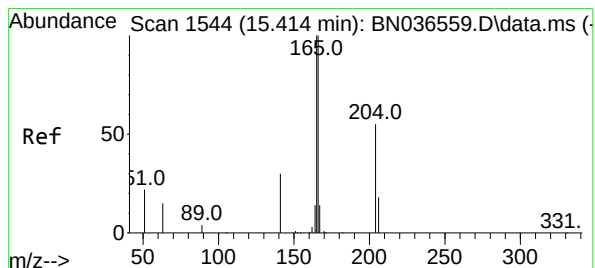
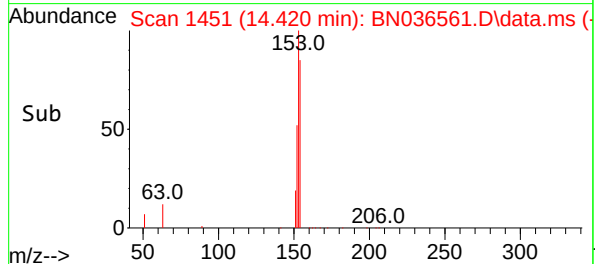
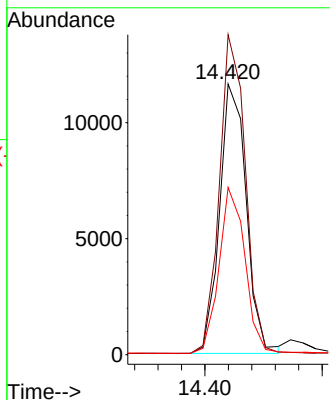
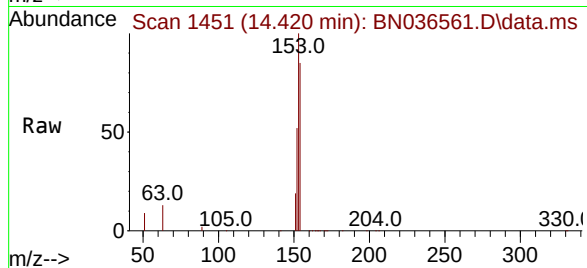




#17
Acenaphthene
Concen: 1.553 ng
RT: 14.420 min Scan# 1452
Delta R.T. -0.011 min
Lab File: BN036561.D
Acq: 10 Mar 2025 14:07

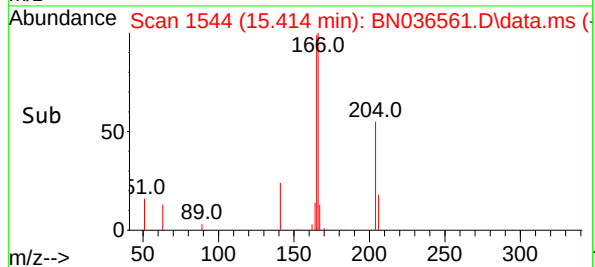
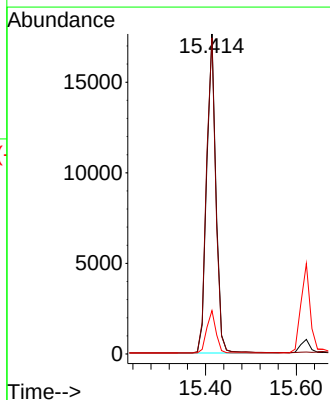
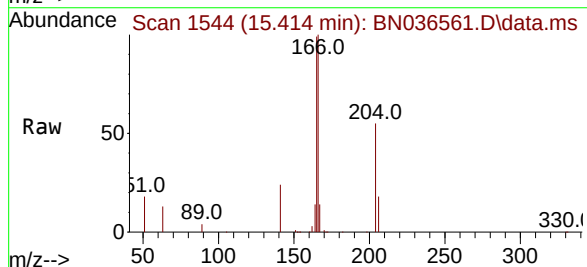
Instrument :
BNA_N
ClientSampleId :
SSTDICC1.6

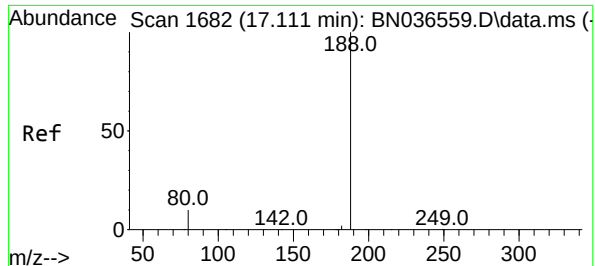
Tgt Ion:154 Resp: 18355
Ion Ratio Lower Upper
154 100
153 115.7 94.1 141.1
152 60.3 49.8 74.6



#18
Fluorene
Concen: 1.599 ng
RT: 15.414 min Scan# 1544
Delta R.T. 0.000 min
Lab File: BN036561.D
Acq: 10 Mar 2025 14:07

Tgt Ion:166 Resp: 25565
Ion Ratio Lower Upper
166 100
165 100.5 79.8 119.8
167 13.1 10.6 15.8





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 17.111 min Scan# 1

Delta R.T. 0.000 min

Lab File: BN036561.D

Acq: 10 Mar 2025 14:07

Instrument :

BNA_N

ClientSampleId :

SSTDICC1.6

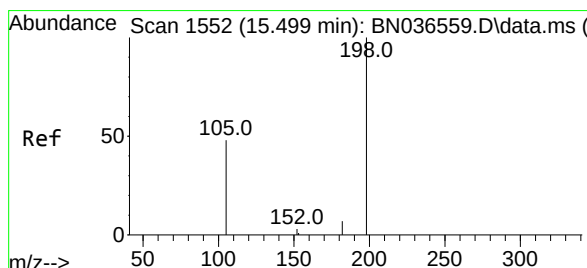
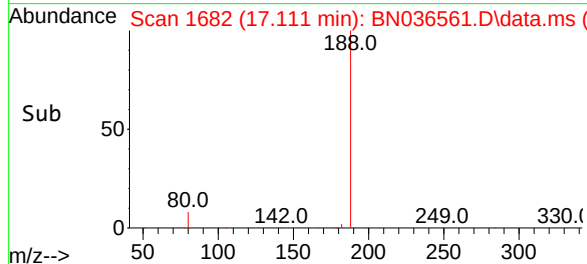
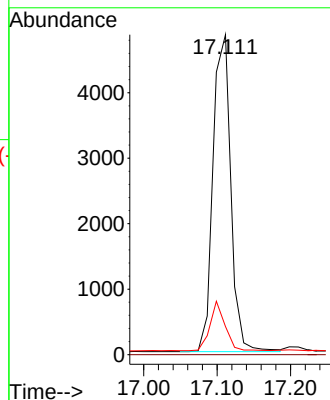
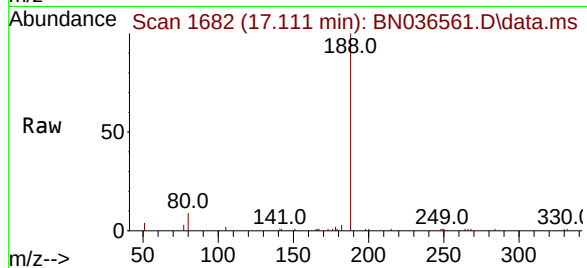
Tgt Ion:188 Resp: 8149

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

80 8.8 8.8 13.2



#20

4,6-Dinitro-2-methylphenol

Concen: 1.488 ng

RT: 15.489 min Scan# 1551

Delta R.T. -0.010 min

Lab File: BN036561.D

Acq: 10 Mar 2025 14:07

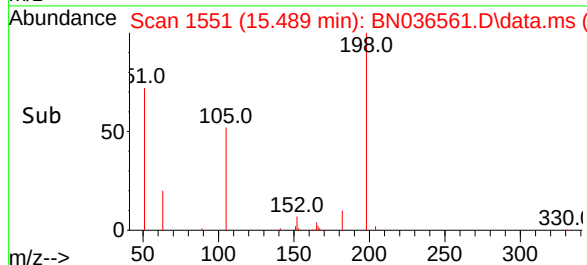
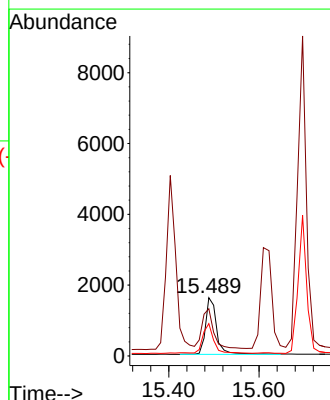
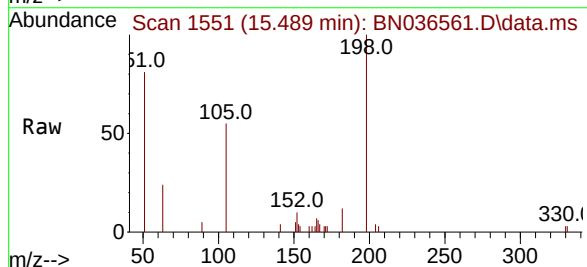
Tgt Ion:198 Resp: 2879

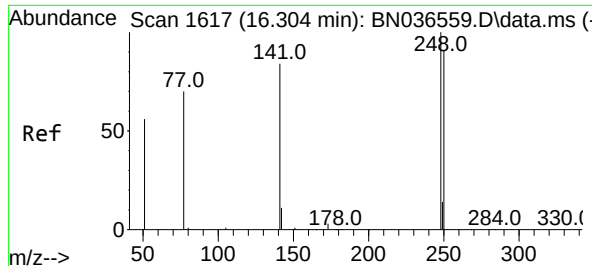
Ion Ratio Lower Upper

198 100

51 81.2 107.9 161.9#

105 55.5 56.2 84.2#

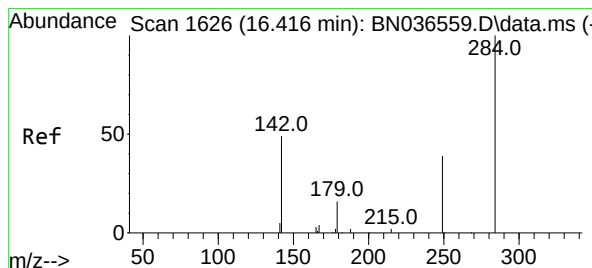
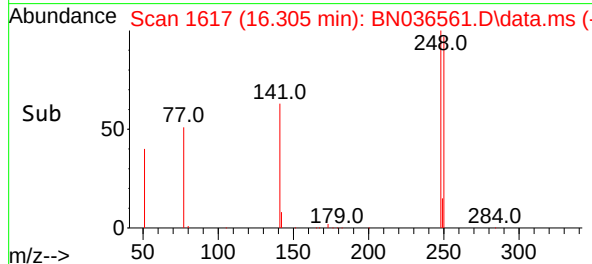
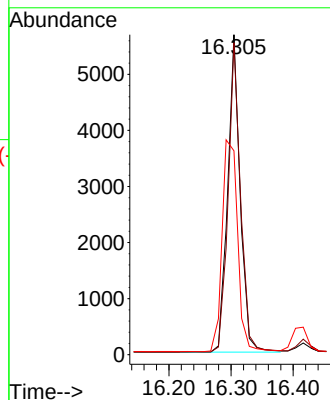
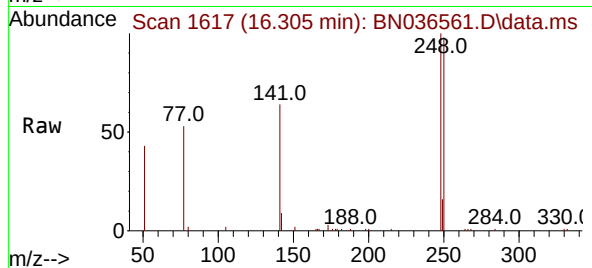




#21
4-Bromophenyl-phenylether
Concen: 1.539 ng
RT: 16.305 min Scan# 1617
Delta R.T. 0.000 min
Lab File: BN036561.D
Acq: 10 Mar 2025 14:07

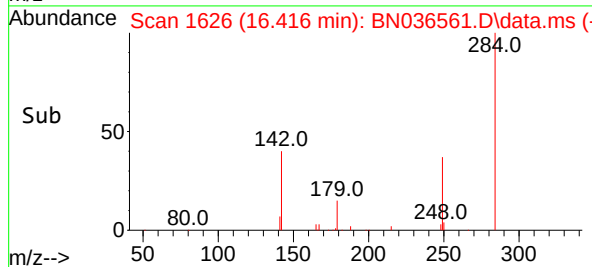
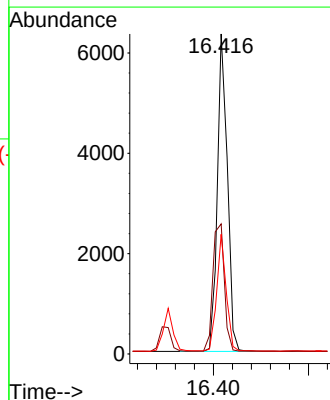
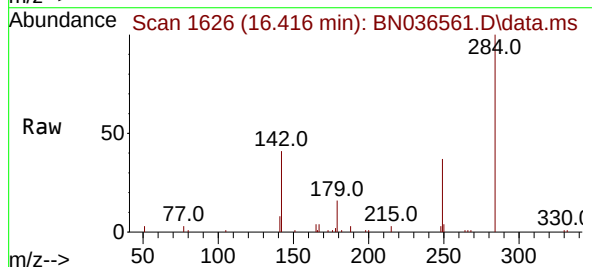
Instrument :
BNA_N
ClientSampleId :
SSTDICC1.6

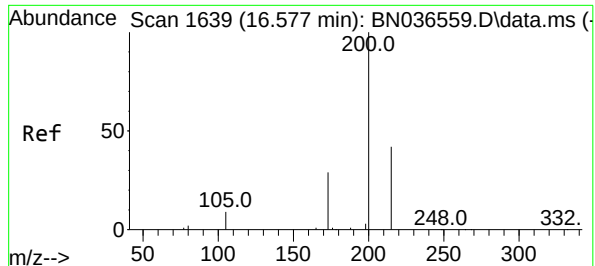
Tgt Ion	Ratio	Lower	Upper
248	100		
250	97.5	73.0	109.6
141	63.7	68.6	103.0#



#22
Hexachlorobenzene
Concen: 1.495 ng
RT: 16.416 min Scan# 1626
Delta R.T. 0.000 min
Lab File: BN036561.D
Acq: 10 Mar 2025 14:07

Tgt Ion	Ratio	Lower	Upper
284	100		
142	46.6	37.0	55.4
249	35.1	28.1	42.1

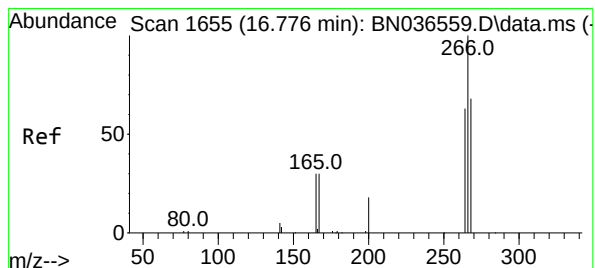
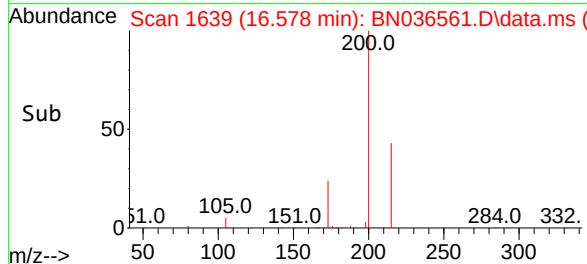
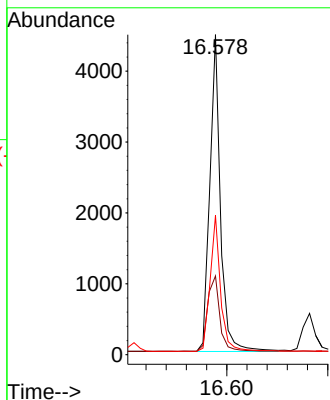
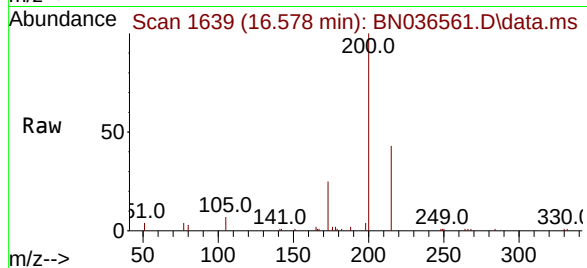




#23
Atrazine
Concen: 1.595 ng
RT: 16.578 min Scan# 1639
Delta R.T. 0.000 min
Lab File: BN036561.D
Acq: 10 Mar 2025 14:07

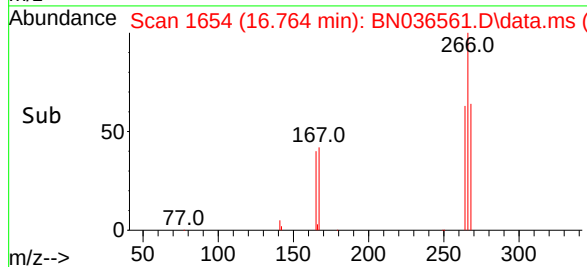
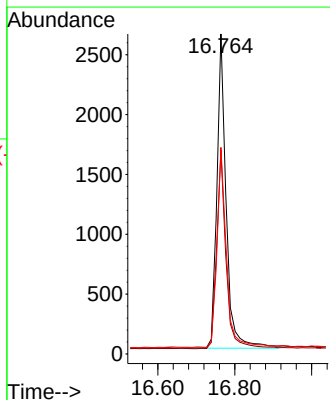
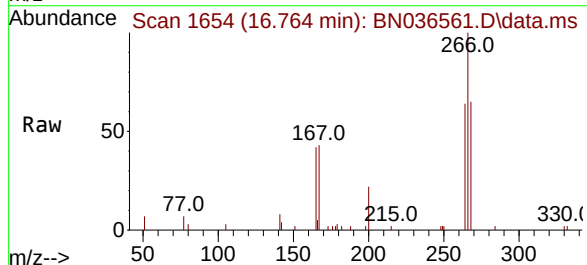
Instrument :
BNA_N
ClientSampleId :
SSTDICC1.6

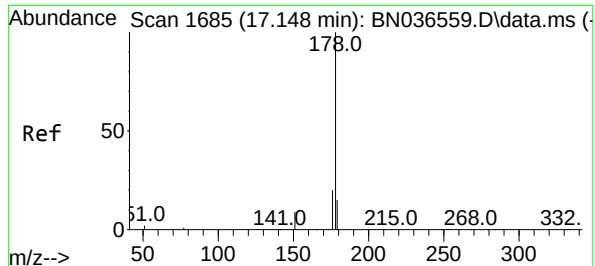
Tgt Ion:200 Resp: 6530
Ion Ratio Lower Upper
200 100
173 24.6 27.3 40.9#
215 43.5 36.8 55.2



#24
Pentachlorophenol
Concen: 1.563 ng
RT: 16.764 min Scan# 1654
Delta R.T. -0.012 min
Lab File: BN036561.D
Acq: 10 Mar 2025 14:07

Tgt Ion:266 Resp: 4395
Ion Ratio Lower Upper
266 100
264 63.5 49.6 74.4
268 64.4 50.9 76.3

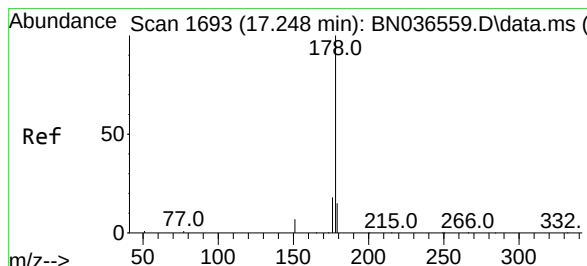
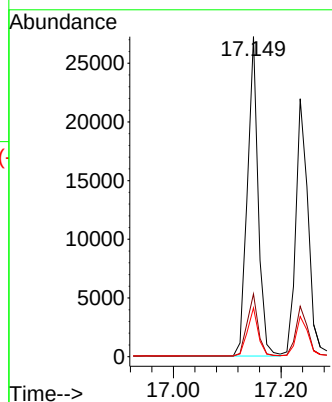
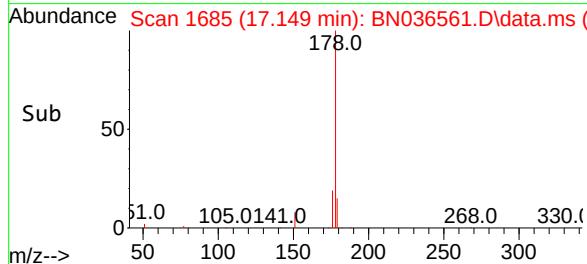
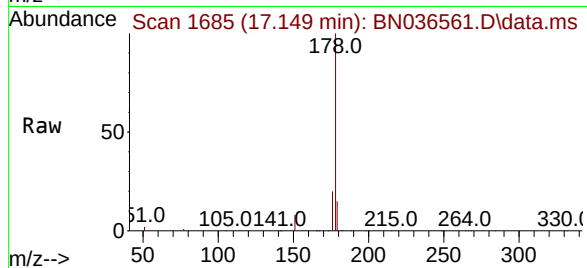




#25
Phenanthrene
Concen: 1.554 ng
RT: 17.149 min Scan# 1685
Delta R.T. 0.000 min
Lab File: BN036561.D
Acq: 10 Mar 2025 14:07

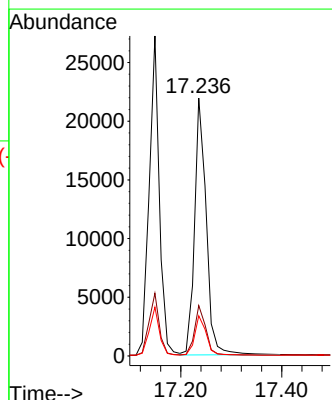
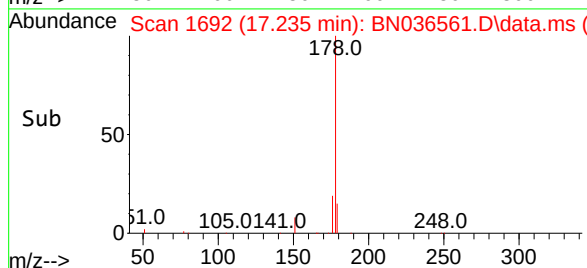
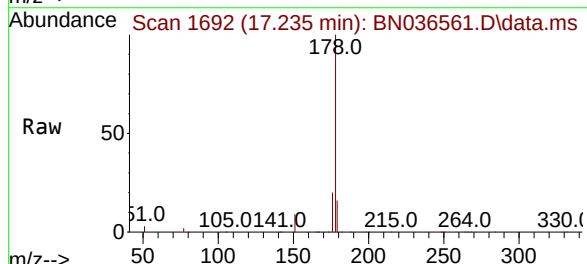
Instrument :
BNA_N
ClientSampleId :
SSTDICC1.6

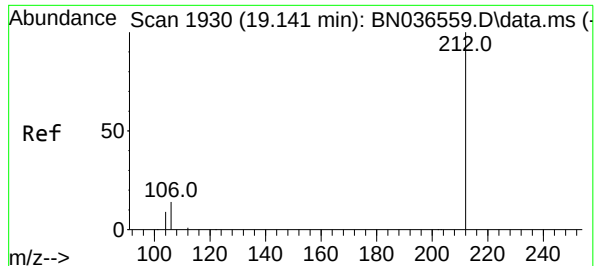
Tgt Ion:178 Resp: 37989
Ion Ratio Lower Upper
178 100
176 19.7 15.9 23.9
179 15.1 12.2 18.4



#26
Anthracene
Concen: 1.589 ng
RT: 17.235 min Scan# 1692
Delta R.T. -0.012 min
Lab File: BN036561.D
Acq: 10 Mar 2025 14:07

Tgt Ion:178 Resp: 35054
Ion Ratio Lower Upper
178 100
176 19.0 15.4 23.2
179 15.3 12.6 18.8





#27

Fluoranthene-d10

Concen: 1.600 ng

RT: 19.141 min Scan# 1930

Delta R.T. 0.000 min

Lab File: BN036561.D

Acq: 10 Mar 2025 14:07

Instrument :

BNA_N

ClientSampleId :

SSTDICC1.6

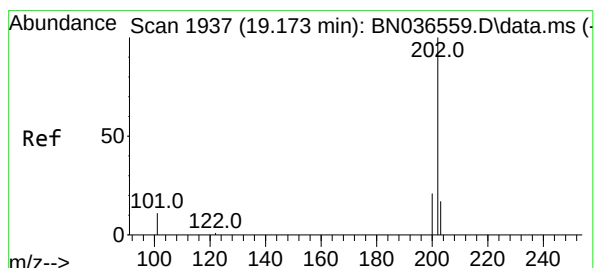
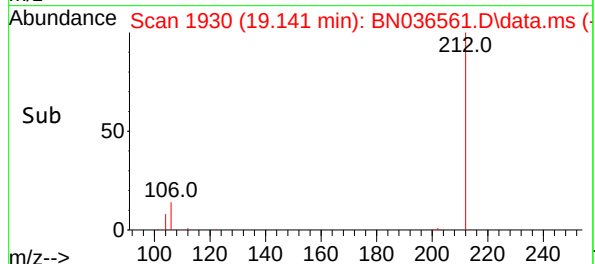
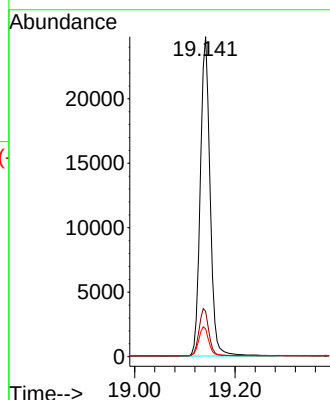
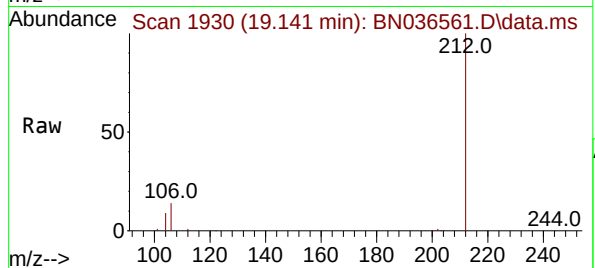
Tgt Ion:212 Resp: 33414

Ion Ratio Lower Upper

212 100

106 15.0 11.8 17.6

104 9.1 7.3 10.9



#28

Fluoranthene

Concen: 1.619 ng

RT: 19.169 min Scan# 1936

Delta R.T. -0.004 min

Lab File: BN036561.D

Acq: 10 Mar 2025 14:07

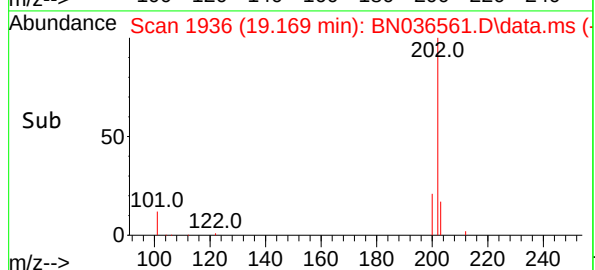
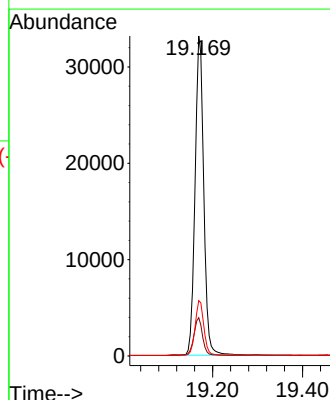
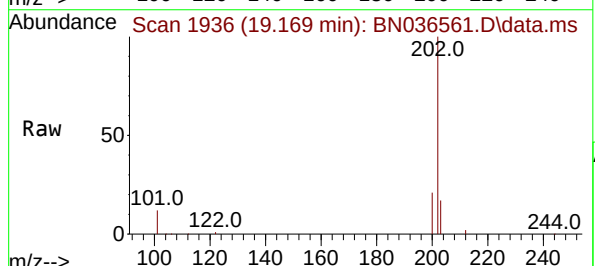
Tgt Ion:202 Resp: 44451

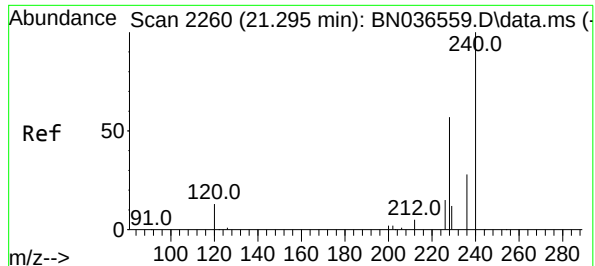
Ion Ratio Lower Upper

202 100

101 12.0 9.4 14.0

203 17.2 13.5 20.3





#29

Chrysene-d12

Concen: 0.400 ng

RT: 21.295 min Scan# 21

Delta R.T. 0.000 min

Lab File: BN036561.D

Acq: 10 Mar 2025 14:07

Instrument :

BNA_N

ClientSampleId :

SSTDICC1.6

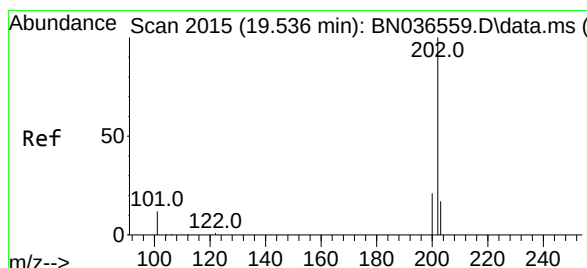
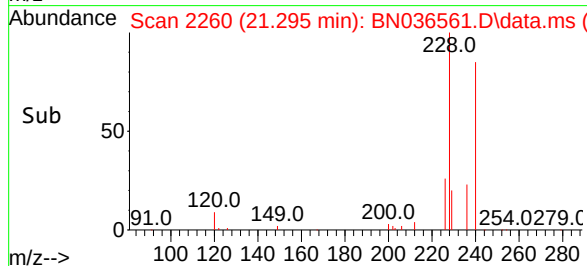
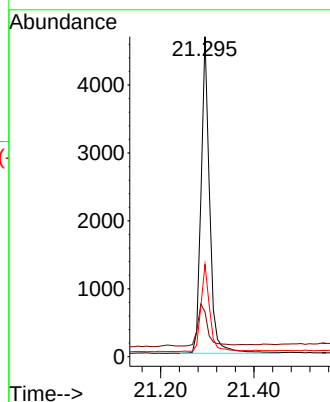
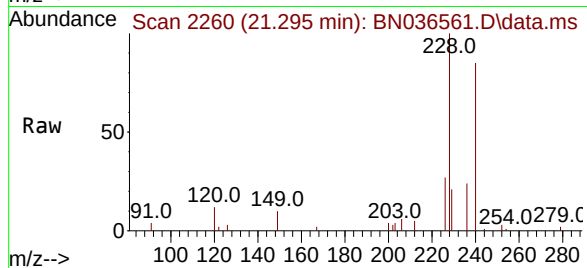
Tgt Ion:240 Resp: 5977

Ion Ratio Lower Upper

240 100

120 14.0 14.6 22.0#

236 28.9 24.1 36.1



#30

Pyrene

Concen: 1.530 ng

RT: 19.531 min Scan# 2014

Delta R.T. -0.004 min

Lab File: BN036561.D

Acq: 10 Mar 2025 14:07

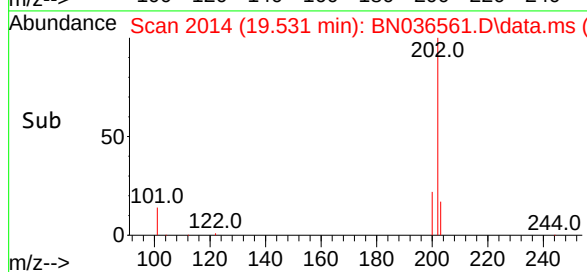
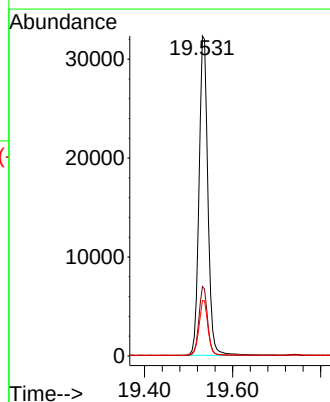
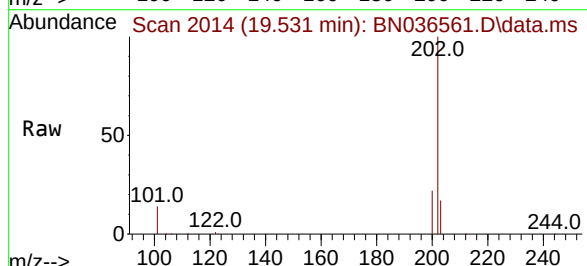
Tgt Ion:202 Resp: 44705

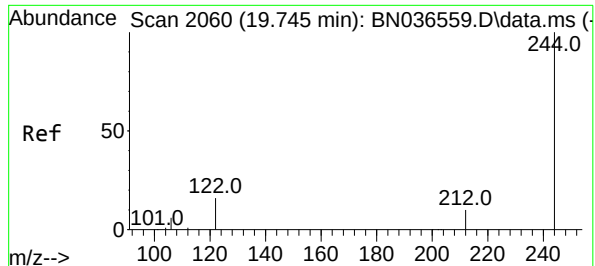
Ion Ratio Lower Upper

202 100

200 21.3 17.1 25.7

203 17.5 14.1 21.1

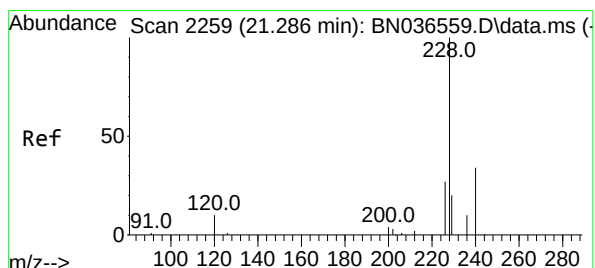
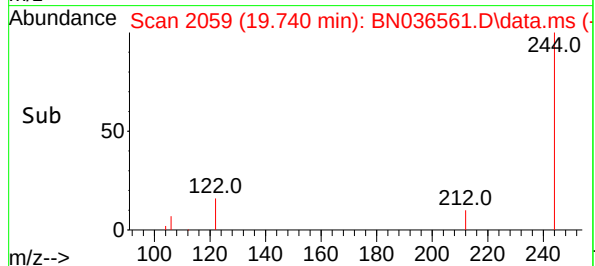
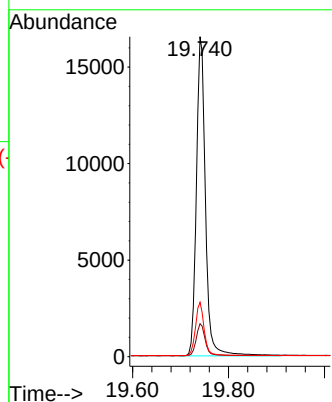
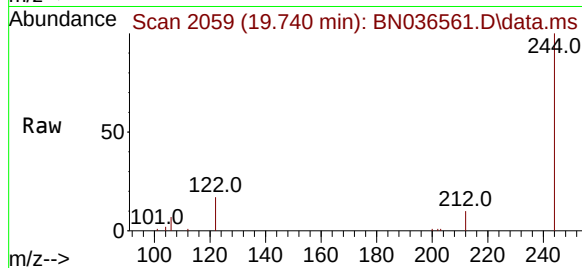




#31
Terphenyl-d14
Concen: 1.527 ng
RT: 19.740 min Scan# 2060
Delta R.T. -0.004 min
Lab File: BN036561.D
Acq: 10 Mar 2025 14:07

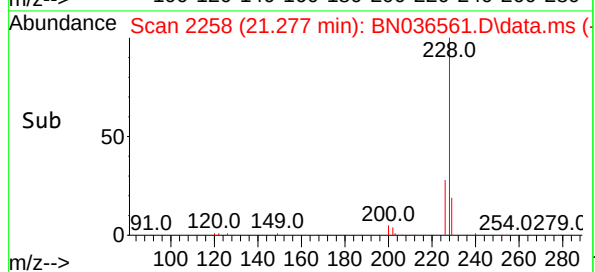
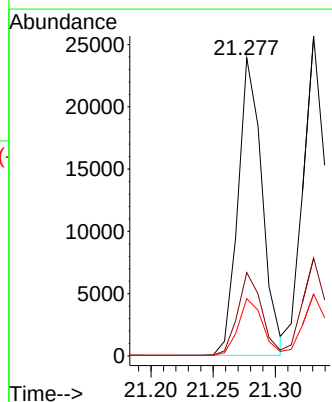
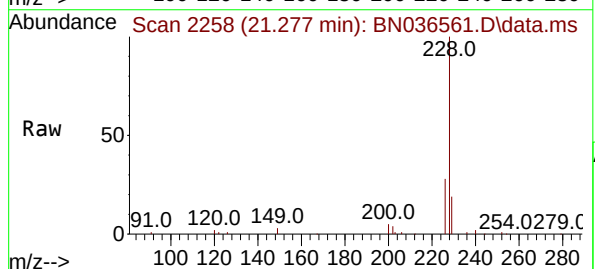
Instrument :
BNA_N
ClientSampleId :
SSTDICC1.6

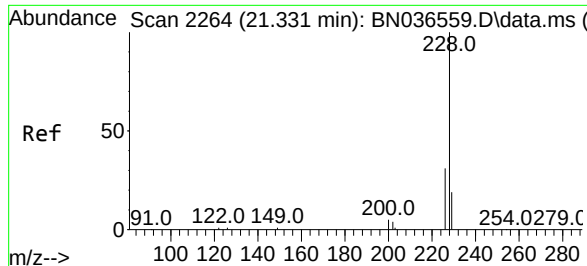
Tgt Ion:244 Resp: 21872
Ion Ratio Lower Upper
244 100
212 10.3 9.6 14.4
122 17.0 13.9 20.9



#32
Benzo(a)anthracene
Concen: 1.550 ng
RT: 21.277 min Scan# 2258
Delta R.T. -0.009 min
Lab File: BN036561.D
Acq: 10 Mar 2025 14:07

Tgt Ion:228 Resp: 32205
Ion Ratio Lower Upper
228 100
226 28.0 22.5 33.7
229 19.2 16.6 25.0





#33

Chrysene

Concen: 1.539 ng

RT: 21.331 min Scan# 21

Delta R.T. 0.000 min

Lab File: BN036561.D

Acq: 10 Mar 2025 14:07

Instrument :

BNA_N

ClientSampleId :

SSTDICC1.6

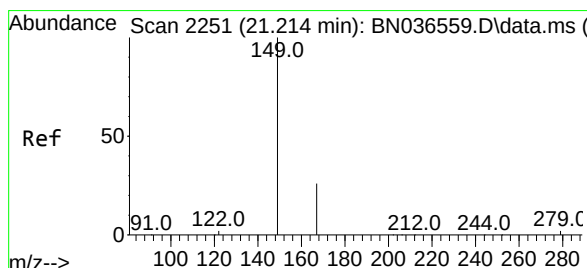
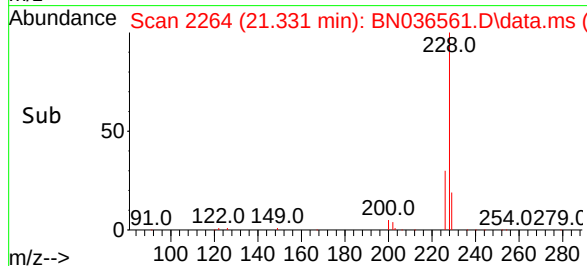
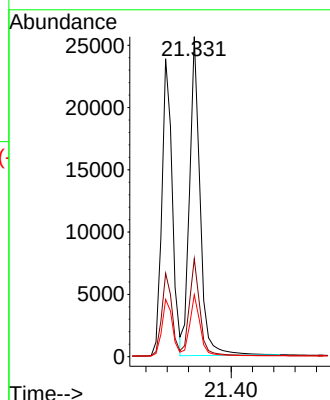
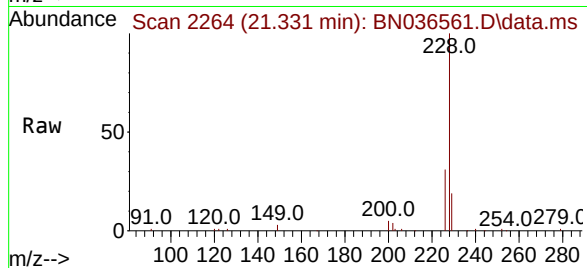
Tgt Ion:228 Resp: 34953

Ion Ratio Lower Upper

228 100

226 30.6 25.3 37.9

229 19.3 15.8 23.8



#34

Bis(2-ethylhexyl)phthalate

Concen: 1.529 ng

RT: 21.214 min Scan# 2251

Delta R.T. 0.000 min

Lab File: BN036561.D

Acq: 10 Mar 2025 14:07

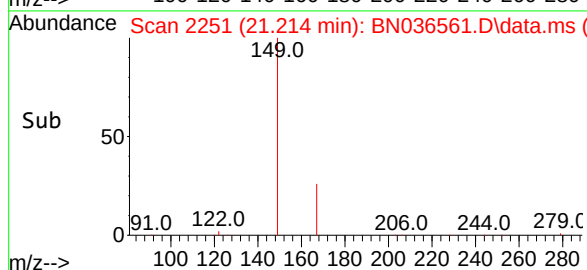
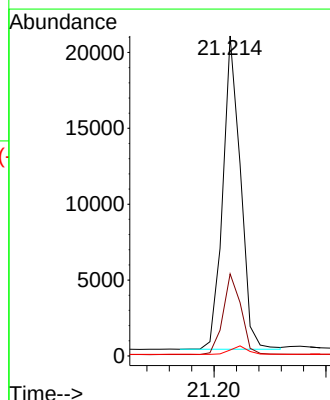
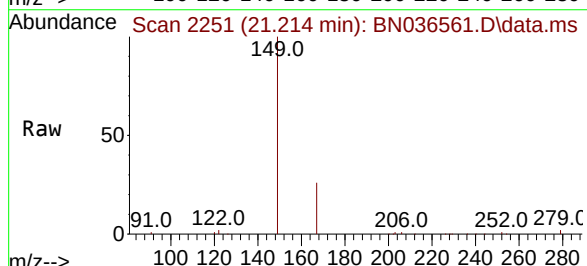
Tgt Ion:149 Resp: 22621

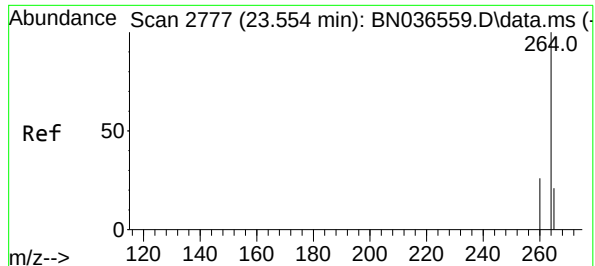
Ion Ratio Lower Upper

149 100

167 26.3 20.7 31.1

279 2.7 3.6 5.4#





#35

Perylene-d12

Concen: 0.400 ng

RT: 23.552 min Scan# 21

Delta R.T. -0.003 min

Lab File: BN036561.D

Acq: 10 Mar 2025 14:07

Instrument :

BNA_N

ClientSampleId :

SSTDICC1.6

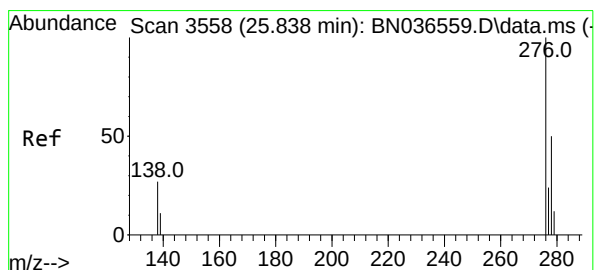
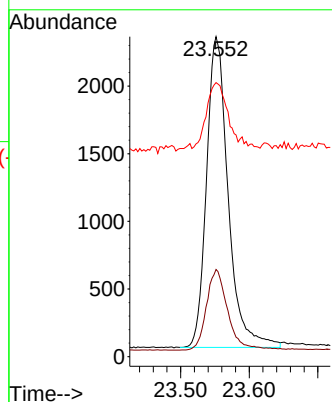
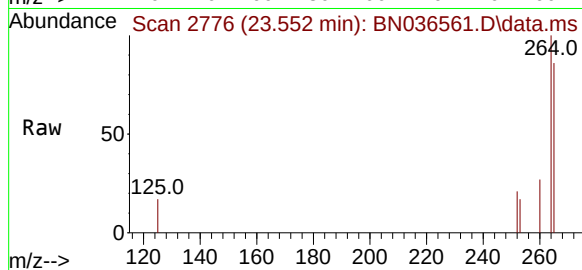
Tgt Ion:264 Resp: 5048

Ion Ratio Lower Upper

264 100

260 27.2 22.6 33.8

265 85.7 88.1 132.1#



#36

Indeno(1,2,3-cd)pyrene

Concen: 1.570 ng

RT: 25.832 min Scan# 3556

Delta R.T. -0.006 min

Lab File: BN036561.D

Acq: 10 Mar 2025 14:07

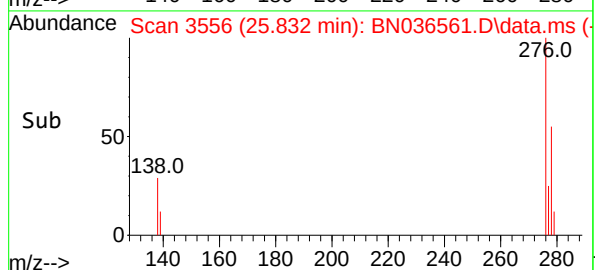
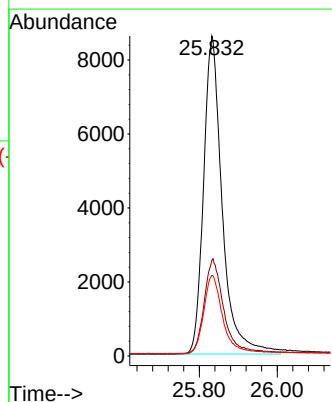
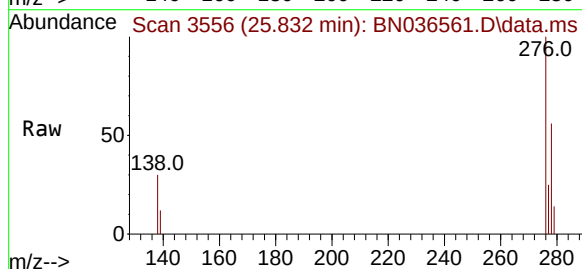
Tgt Ion:276 Resp: 28605

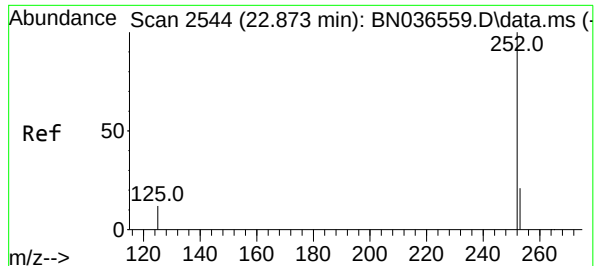
Ion Ratio Lower Upper

276 100

138 30.4 23.4 35.2

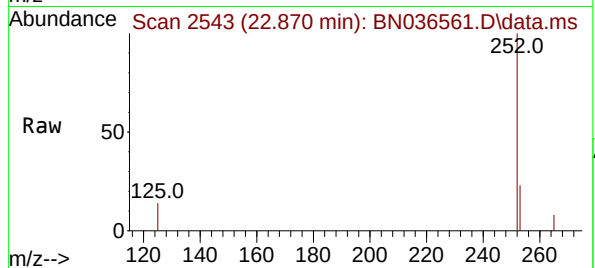
277 24.9 20.0 30.0



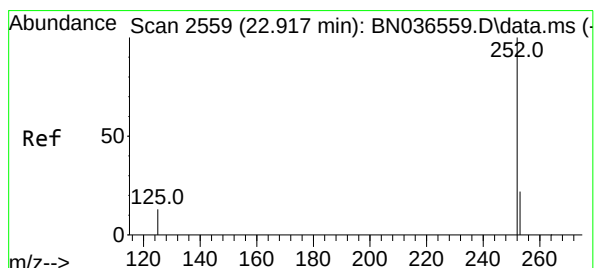
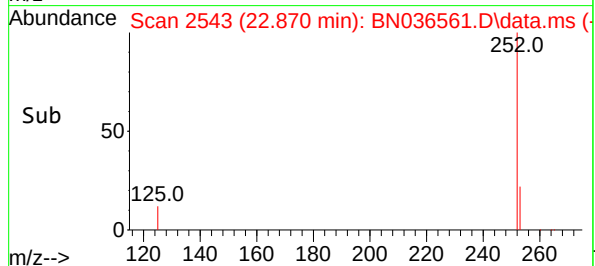
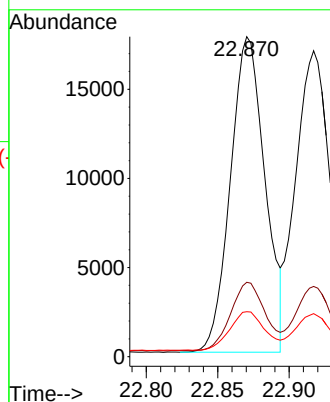


#37
Benzo(b)fluoranthene
Concen: 1.623 ng
RT: 22.870 min Scan# 2544
Delta R.T. -0.003 min
Lab File: BN036561.D
Acq: 10 Mar 2025 14:07

Instrument :
BNA_N
ClientSampleId :
SSTDICC1.6

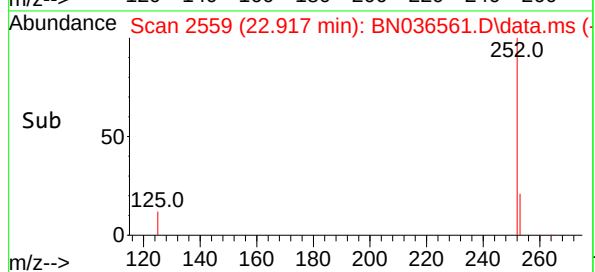
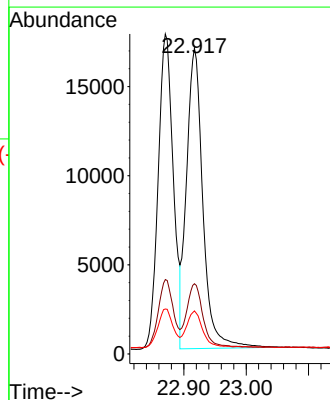
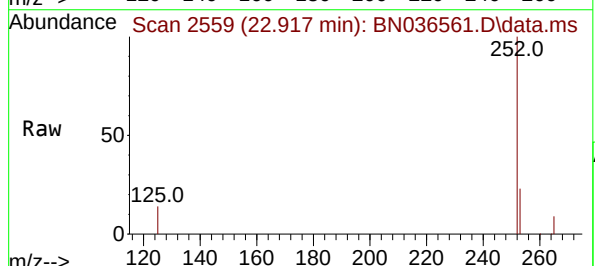


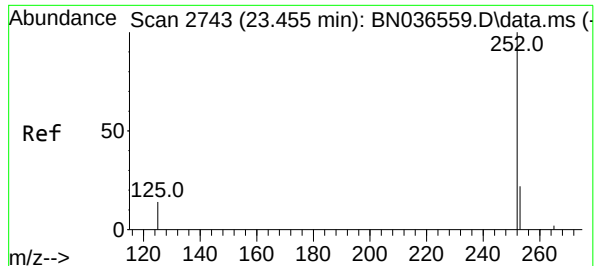
Tgt Ion:252 Resp: 29819
Ion Ratio Lower Upper
252 100
253 23.3 23.9 35.9#
125 14.0 17.4 26.2#



#38
Benzo(k)fluoranthene
Concen: 1.593 ng
RT: 22.917 min Scan# 2559
Delta R.T. 0.000 min
Lab File: BN036561.D
Acq: 10 Mar 2025 14:07

Tgt Ion:252 Resp: 30710
Ion Ratio Lower Upper
252 100
253 23.0 24.6 36.8#
125 14.1 17.8 26.8#





#39

Benzo(a)pyrene

Concen: 1.596 ng

RT: 23.452 min Scan# 21

Delta R.T. -0.003 min

Lab File: BN036561.D

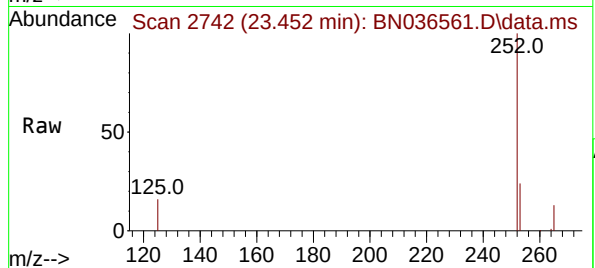
Acq: 10 Mar 2025 14:07

Instrument :

BNA_N

ClientSampleId :

SSTDICC1.6



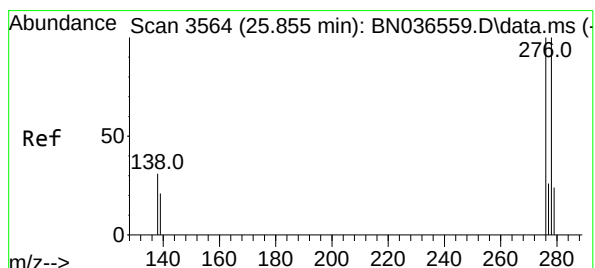
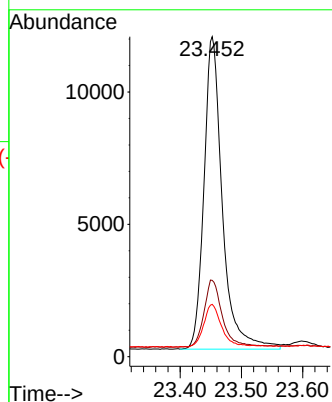
Tgt Ion:252 Resp: 24696

Ion Ratio Lower Upper

252 100

253 23.9 27.8 41.8#

125 16.3 22.7 34.1#



#40

Dibenzo(a,h)anthracene

Concen: 1.569 ng

RT: 25.850 min Scan# 3562

Delta R.T. -0.006 min

Lab File: BN036561.D

Acq: 10 Mar 2025 14:07

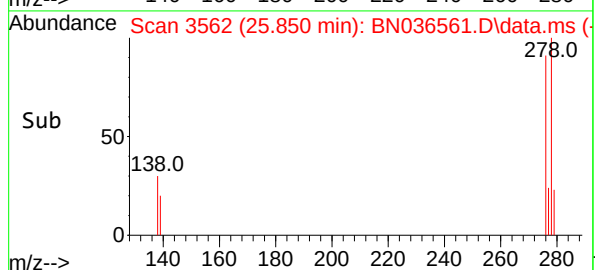
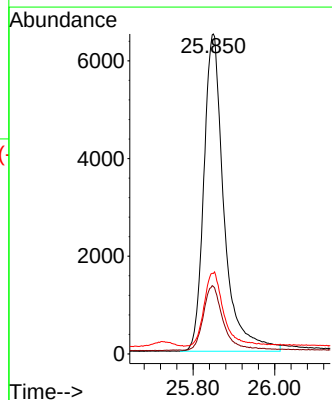
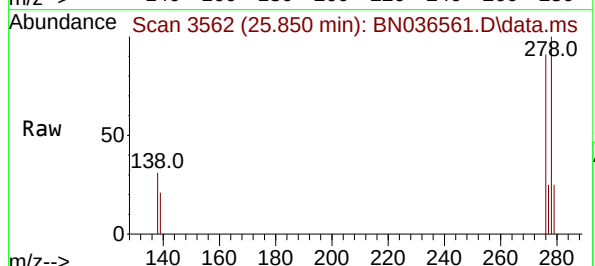
Tgt Ion:278 Resp: 22248

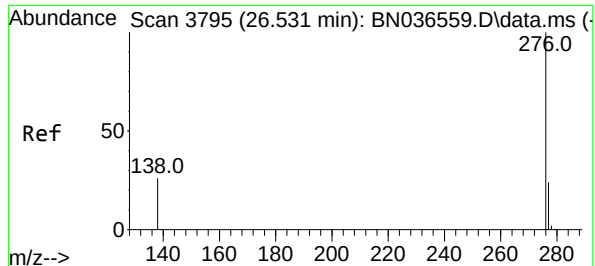
Ion Ratio Lower Upper

278 100

139 21.1 20.8 31.2

279 25.1 28.8 43.2#





#41

Benzo(g,h,i)perylene

Concen: 1.535 ng

RT: 26.531 min Scan# 31

Delta R.T. 0.000 min

Lab File: BN036561.D

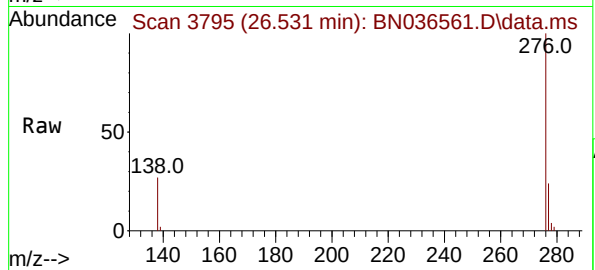
Acq: 10 Mar 2025 14:07

Instrument :

BNA_N

ClientSampleId :

SSTDICC1.6



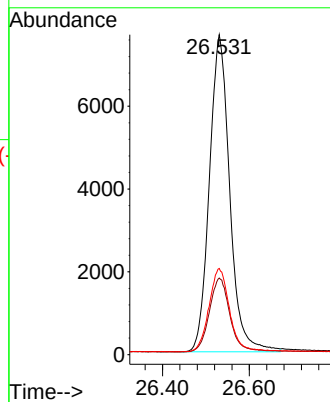
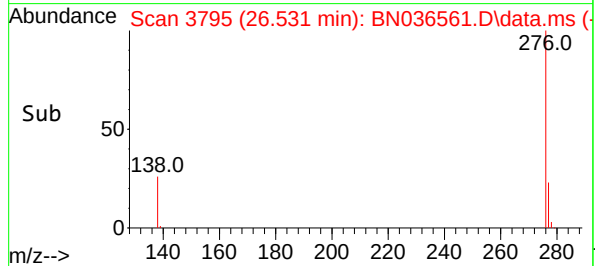
Tgt Ion:276 Resp: 24906

Ion Ratio Lower Upper

276 100

277 23.9 22.2 33.4

138 26.9 24.1 36.1



Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN031025\
 Data File : BN036562.D
 Acq On : 10 Mar 2025 14:43
 Operator : RC/JU
 Sample : SSTDICC3.2
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 SSTDICC3.2

Quant Time: Mar 10 16:02:50 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN031025.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Mar 10 15:54:23 2025
 Response via : Initial Calibration

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

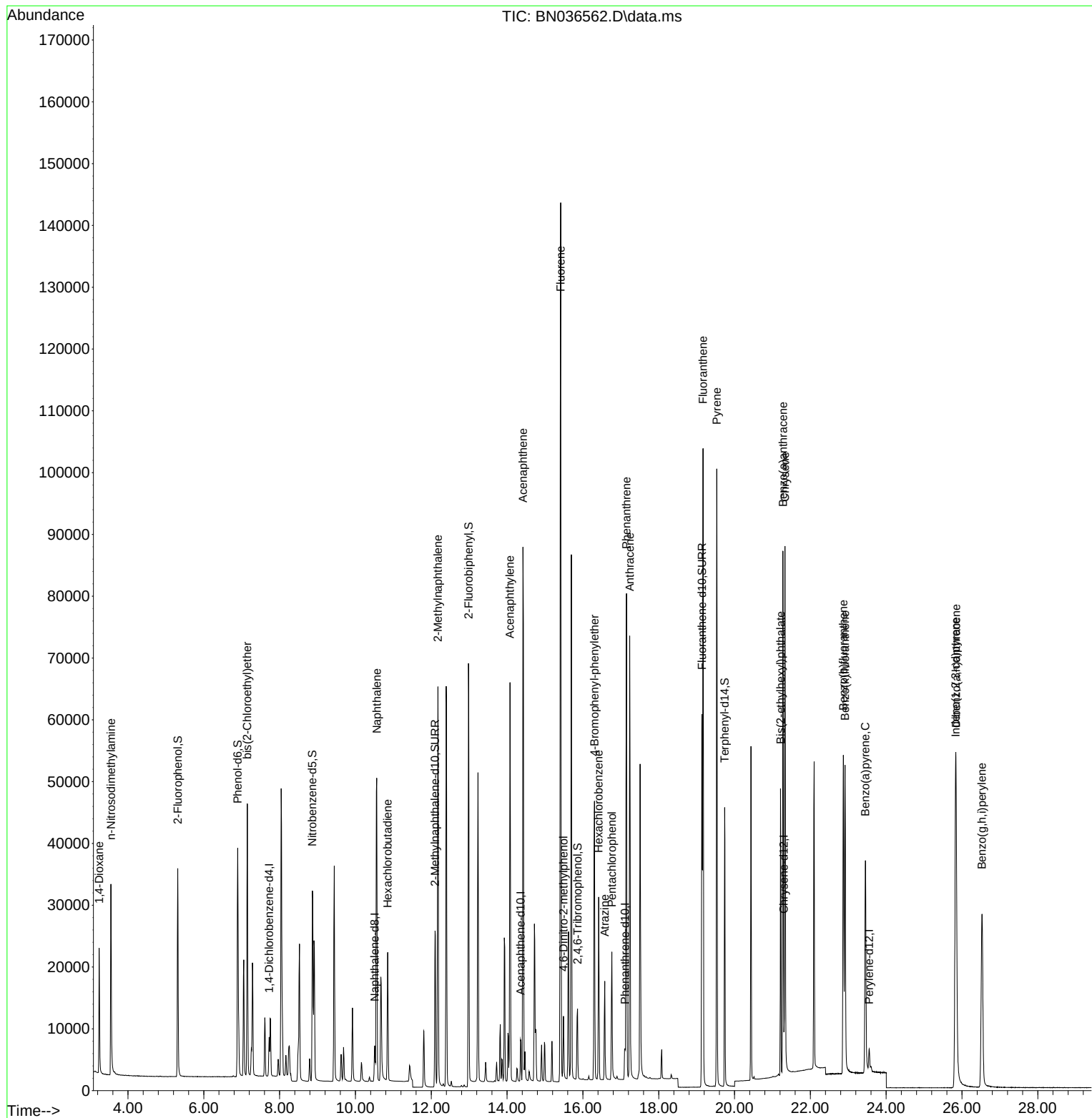
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.724	152	2890	0.400	ng	0.00
7) Naphthalene-d8	10.509	136	6824	0.400	ng	0.00
13) Acenaphthene-d10	14.355	164	3957	0.400	ng	-0.01
19) Phenanthrene-d10	17.111	188	7488	0.400	ng	0.00
29) Chrysene-d12	21.295	240	5439	0.400	ng	0.00
35) Perylene-d12	23.551	264	5002	0.400	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.312	112	23032	3.420	ng	0.00
5) Phenol-d6	6.894	99	28996	3.485	ng	0.00
8) Nitrobenzene-d5	8.864	82	24586	3.312	ng	-0.01
11) 2-Methylnaphthalene-d10	12.101	152	34578	3.407	ng	-0.01
14) 2,4,6-Tribromophenol	15.858	330	6252	3.482	ng	0.00
15) 2-Fluorobiphenyl	12.983	172	81236	3.529	ng	0.00
27) Fluoranthene-d10	19.141	212	65134	3.394	ng	0.00
31) Terphenyl-d14	19.740	244	42959	3.297	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.239	88	10288	3.209	ng	97
3) n-Nitrosodimethylamine	3.550	42	20412	3.147	ng	# 96
6) bis(2-Chloroethyl)ether	7.146	93	27978	3.253	ng	99
9) Naphthalene	10.562	128	66694	3.323	ng	96
10) Hexachlorobutadiene	10.850	225	15618	3.305	ng	# 99
12) 2-Methylnaphthalene	12.177	142	43768	3.427	ng	97
16) Acenaphthylene	14.077	152	65654	3.516	ng	99
17) Acenaphthene	14.420	154	42378	3.467	ng	97
18) Fluorene	15.414	166	56295	3.404	ng	100
20) 4,6-Dinitro-2-methylph...	15.489	198	6567	3.315	ng	# 58
21) 4-Bromophenyl-phenylether	16.304	248	16652	3.549	ng	# 82
22) Hexachlorobenzene	16.416	284	19287	3.406	ng	100
23) Atrazine	16.577	200	12969	3.448	ng	# 90
24) Pentachlorophenol	16.764	266	9625	3.726	ng	99
25) Phenanthrene	17.148	178	77903	3.468	ng	99
26) Anthracene	17.235	178	72775	3.590	ng	99
28) Fluoranthene	19.169	202	86688	3.436	ng	99
30) Pyrene	19.531	202	86694	3.260	ng	100
32) Benzo(a)anthracene	21.277	228	66496	3.516	ng	99
33) Chrysene	21.331	228	70334	3.403	ng	99
34) Bis(2-ethylhexyl)phtha...	21.214	149	39682	2.947	ng	# 98
36) Indeno(1,2,3-cd)pyrene	25.829	276	67767	3.754	ng	98
37) Benzo(b)fluoranthene	22.870	252	63823	3.506	ng	# 84
38) Benzo(k)fluoranthene	22.914	252	65410	3.425	ng	# 83
39) Benzo(a)pyrene	23.452	252	54009	3.523	ng	# 77
40) Dibenzo(a,h)anthracene	25.843	278	54058	3.846	ng	# 84
41) Benzo(g,h,i)perylene	26.528	276	57986	3.606	ng	94

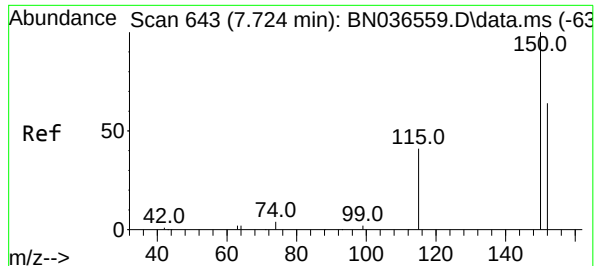
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN031025\
Data File : BN036562.D
Acq On : 10 Mar 2025 14:43
Operator : RC/JU
Sample : SSTDICC3.2
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
SSTDICC3.2

Quant Time: Mar 10 16:02:50 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN031025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Mar 10 15:54:23 2025
Response via : Initial Calibration

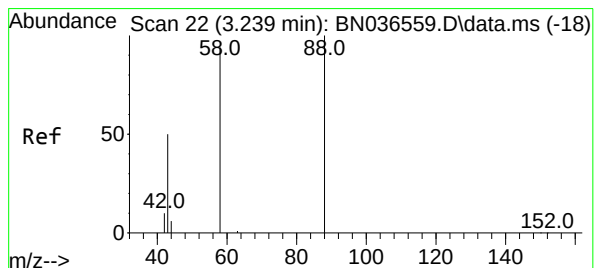
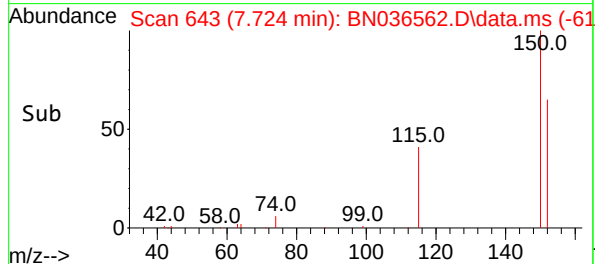
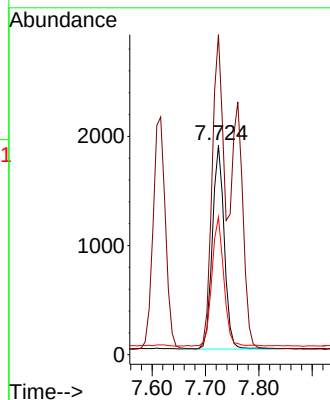
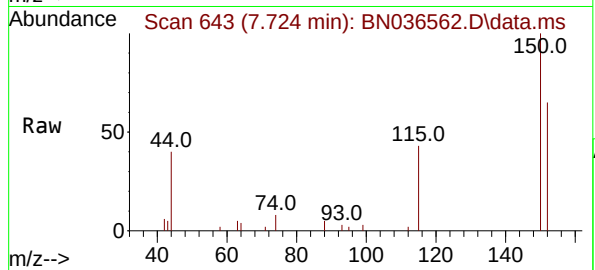




#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.724 min Scan# 64
Delta R.T. 0.000 min
Lab File: BN036562.D
Acq: 10 Mar 2025 14:43

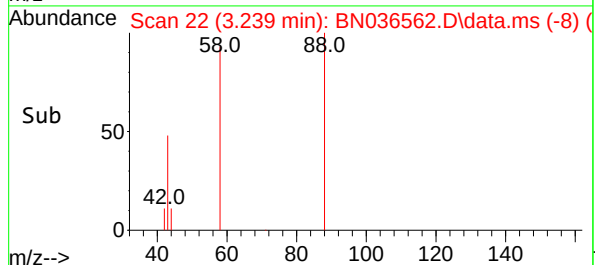
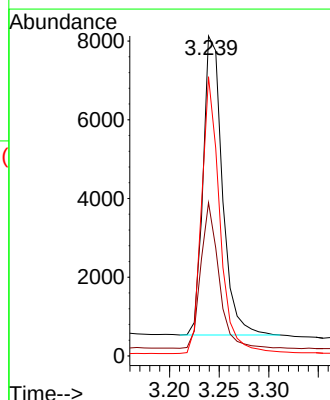
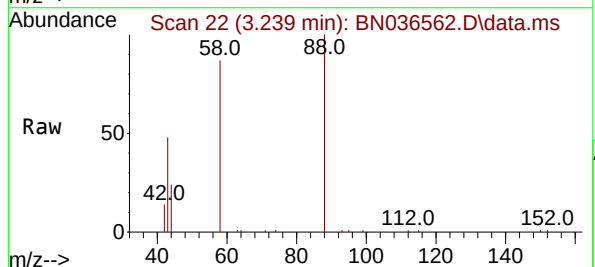
Instrument :
BNA_N
ClientSampleId :
SSTDICC3.2

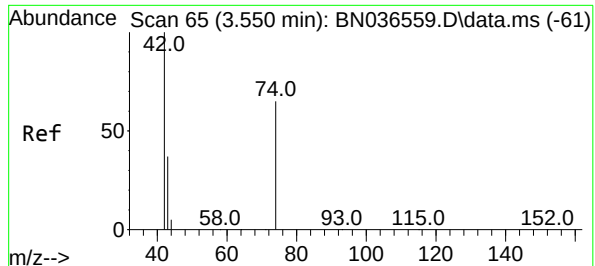
Tgt Ion:152 Resp: 2890
Ion Ratio Lower Upper
152 100
150 152.9 123.7 185.5
115 65.7 54.3 81.5



#2
1,4-Dioxane
Concen: 3.209 ng
RT: 3.239 min Scan# 22
Delta R.T. 0.000 min
Lab File: BN036562.D
Acq: 10 Mar 2025 14:43

Tgt Ion: 88 Resp: 10288
Ion Ratio Lower Upper
88 100
43 45.2 37.8 56.8
58 87.2 67.4 101.2

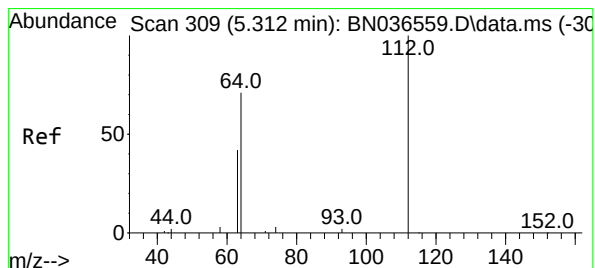
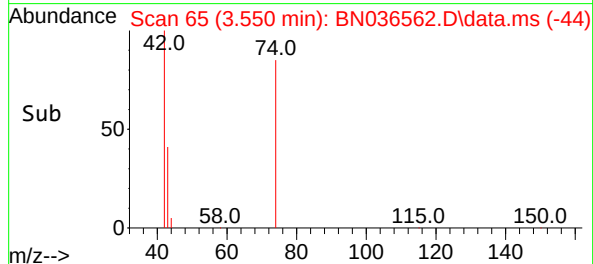
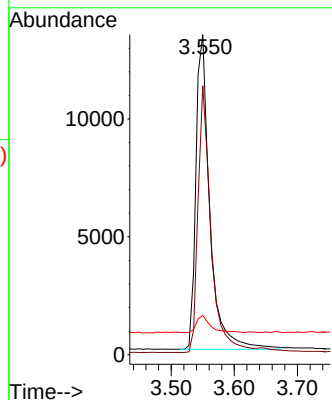
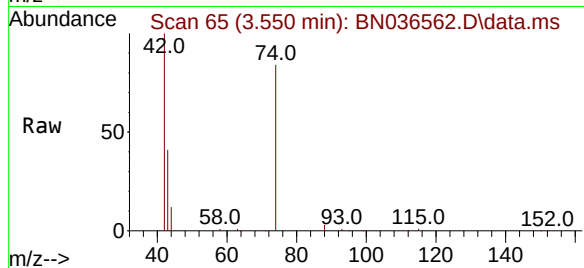




#3
n-Nitrosodimethylamine
Concen: 3.147 ng
RT: 3.550 min Scan# 61
Delta R.T. 0.000 min
Lab File: BN036562.D
Acq: 10 Mar 2025 14:43

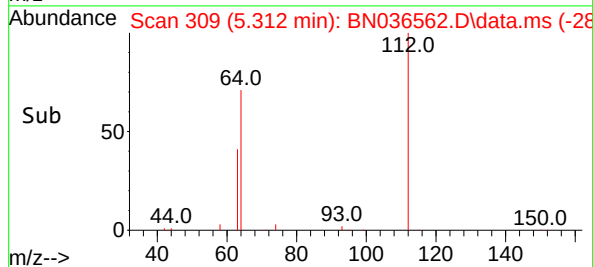
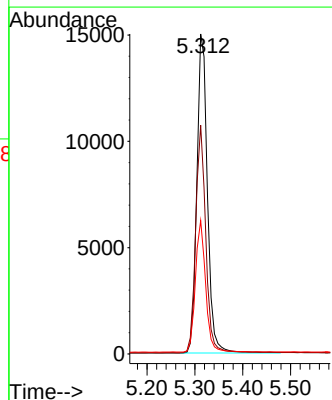
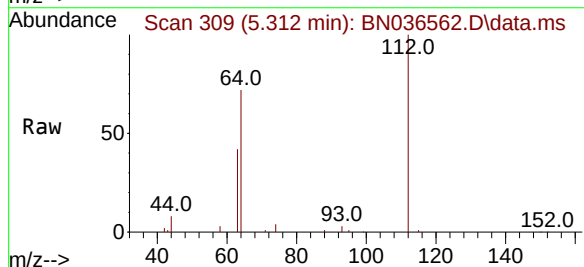
Instrument :
BNA_N
ClientSampleId :
SSTDICC3.2

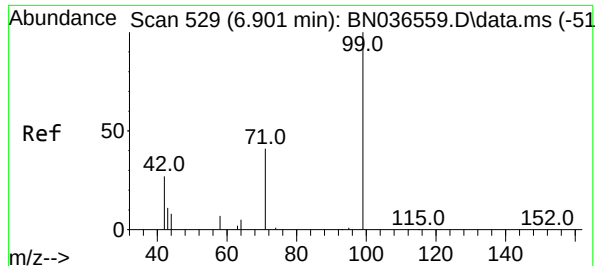
Tgt Ion: 42 Resp: 20412
Ion Ratio Lower Upper
42 100
74 78.8 60.6 90.8
44 5.5 6.3 9.5#



#4
2-Fluorophenol
Concen: 3.420 ng
RT: 5.312 min Scan# 309
Delta R.T. 0.000 min
Lab File: BN036562.D
Acq: 10 Mar 2025 14:43

Tgt Ion: 112 Resp: 23032
Ion Ratio Lower Upper
112 100
64 68.4 53.1 79.7
63 39.8 31.8 47.8

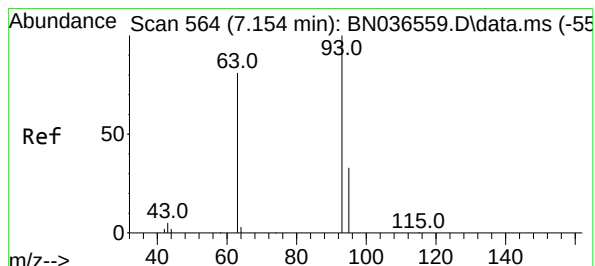
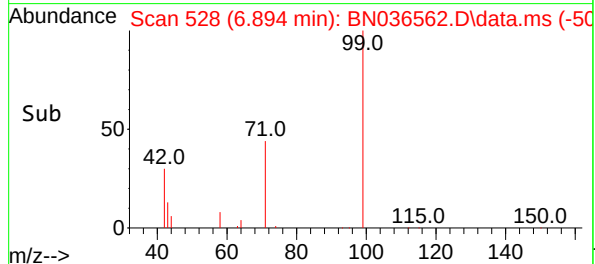
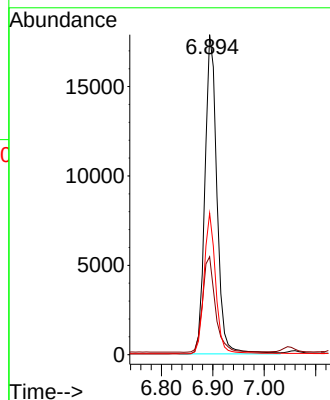
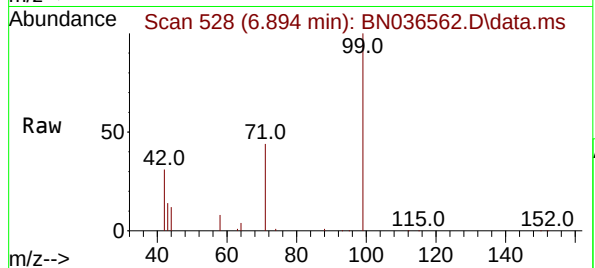




#5
Phenol-d6
Concen: 3.485 ng
RT: 6.894 min Scan# 51
Delta R.T. -0.007 min
Lab File: BN036562.D
Acq: 10 Mar 2025 14:43

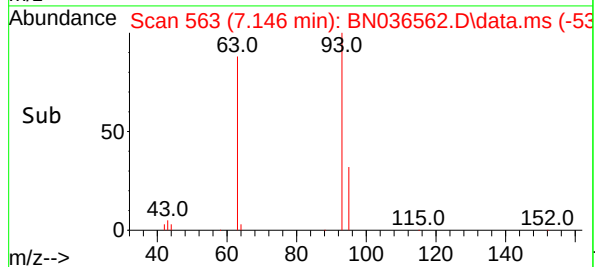
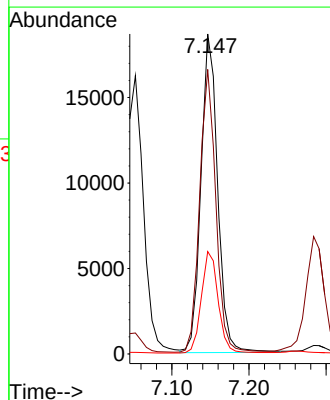
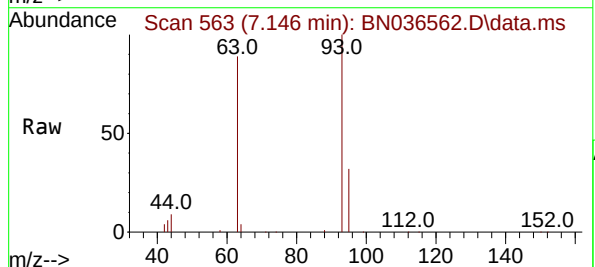
Instrument :
BNA_N
ClientSampleId :
SSTDICC3.2

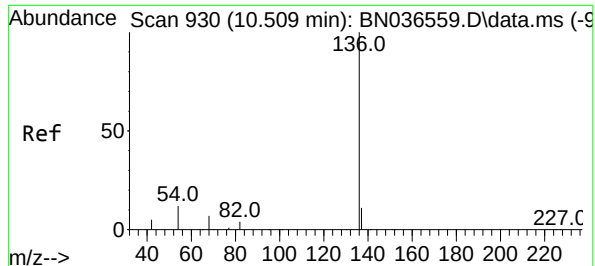
Tgt Ion: 99 Resp: 28996
Ion Ratio Lower Upper
99 100
42 32.3 26.5 39.7
71 43.2 34.1 51.1



#6
bis(2-Chloroethyl)ether
Concen: 3.253 ng
RT: 7.146 min Scan# 563
Delta R.T. -0.007 min
Lab File: BN036562.D
Acq: 10 Mar 2025 14:43

Tgt Ion: 93 Resp: 27978
Ion Ratio Lower Upper
93 100
63 85.7 67.7 101.5
95 32.0 25.6 38.4

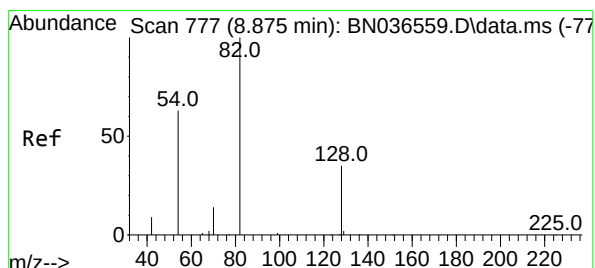
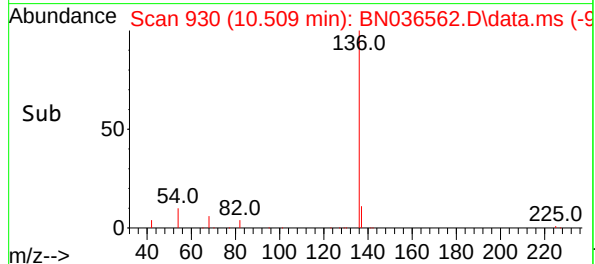
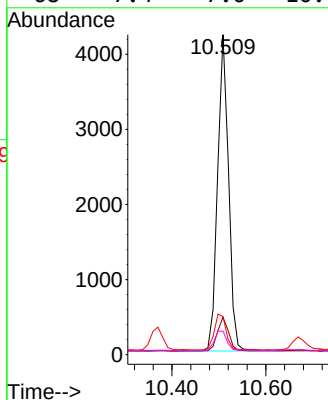
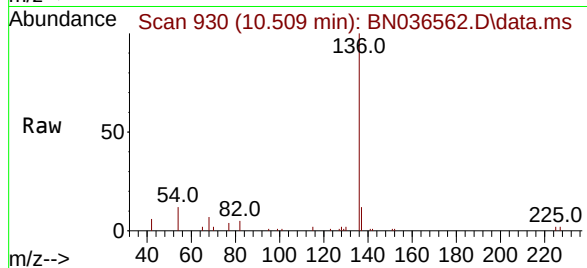




#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.509 min Scan# 91
Delta R.T. 0.000 min
Lab File: BN036562.D
Acq: 10 Mar 2025 14:43

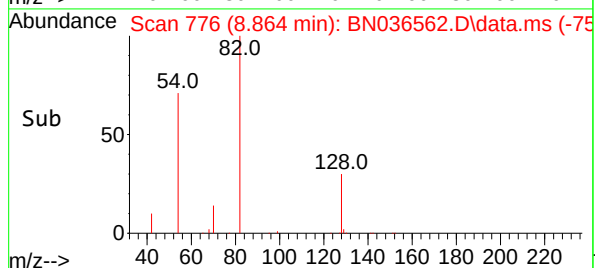
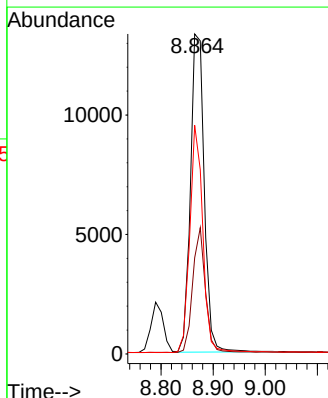
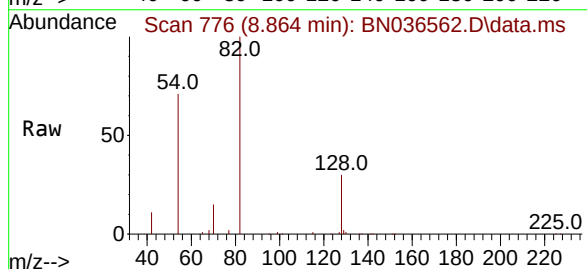
Instrument :
BNA_N
ClientSampleId :
SSTDICC3.2

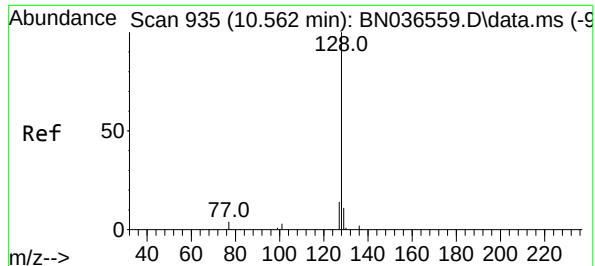
Tgt Ion:	136	Resp:	6824
Ion	Ratio	Lower	Upper
136	100		
137	11.7	10.3	15.5
54	11.9	11.5	17.3
68	7.4	7.0	10.4



#8
Nitrobenzene-d5
Concen: 3.312 ng
RT: 8.864 min Scan# 776
Delta R.T. -0.011 min
Lab File: BN036562.D
Acq: 10 Mar 2025 14:43

Tgt Ion:	82	Resp:	24586
Ion	Ratio	Lower	Upper
82	100		
128	30.0	30.6	45.8#
54	71.4	52.2	78.4

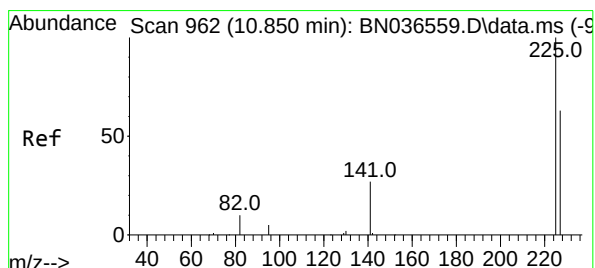
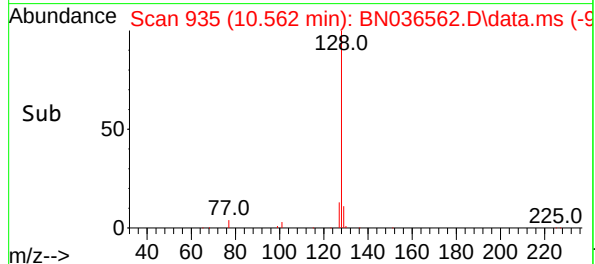
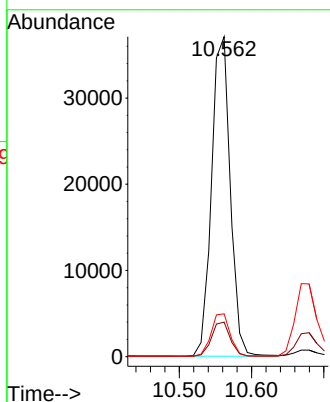
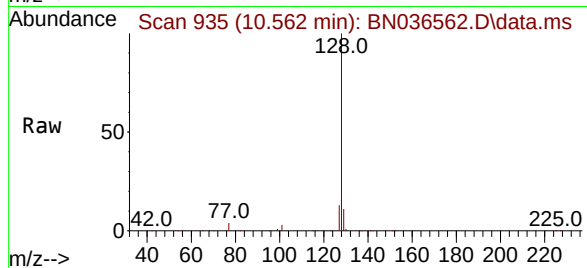




#9
Naphthalene
Concen: 3.323 ng
RT: 10.562 min Scan# 91
Delta R.T. 0.000 min
Lab File: BN036562.D
Acq: 10 Mar 2025 14:43

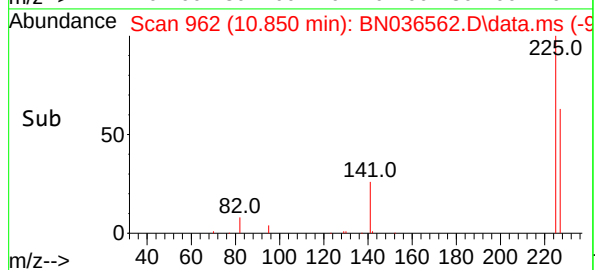
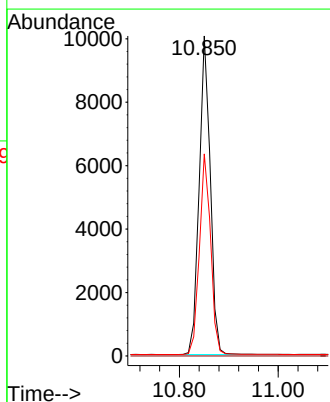
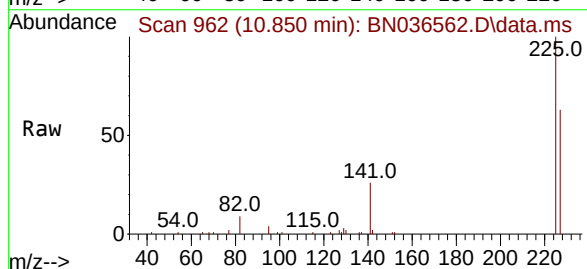
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BNA_N
ClientSampleId :
SSTDICC3.2

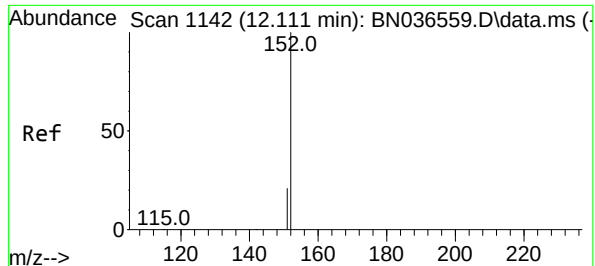
Tgt Ion:128 Resp: 66694
Ion Ratio Lower Upper
128 100
129 10.8 9.8 14.6
127 13.4 11.8 17.8



#10
Hexachlorobutadiene
Concen: 3.305 ng
RT: 10.850 min Scan# 962
Delta R.T. 0.000 min
Lab File: BN036562.D
Acq: 10 Mar 2025 14:43

Tgt Ion:225 Resp: 15618
Ion Ratio Lower Upper
225 100
223 0.0 0.0 0.0
227 63.6 51.8 77.8

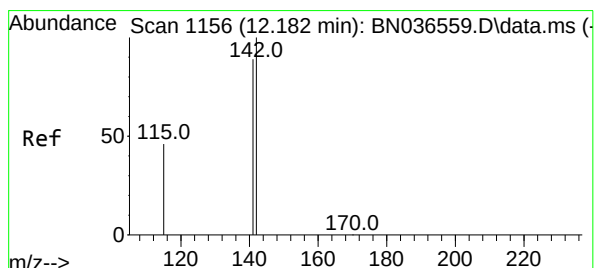
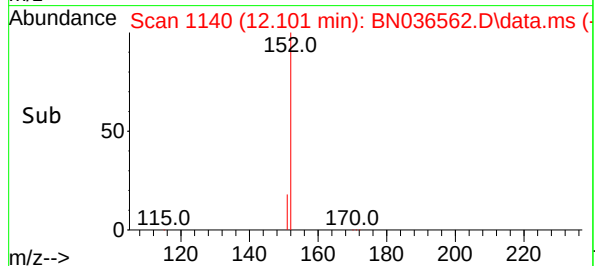
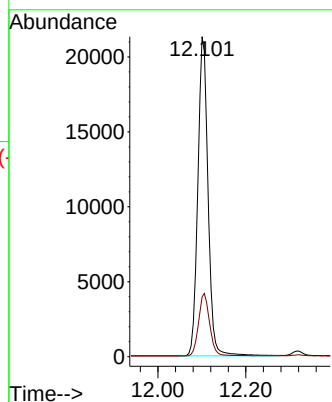
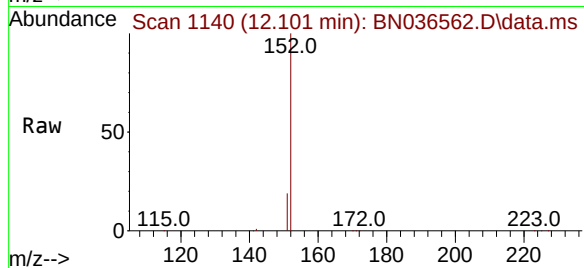




#11
2-Methylnaphthalene-d10
Concen: 3.407 ng
RT: 12.101 min Scan# 1142
Delta R.T. -0.010 min
Lab File: BN036562.D
Acq: 10 Mar 2025 14:43

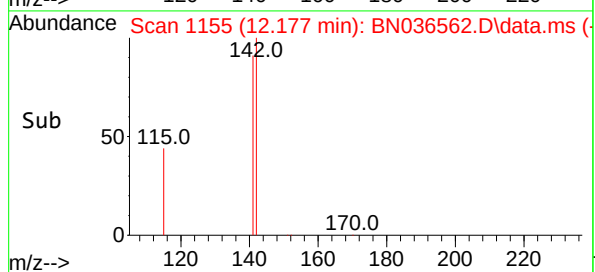
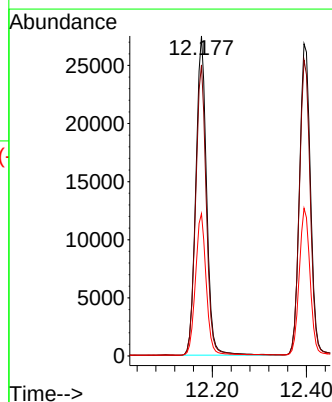
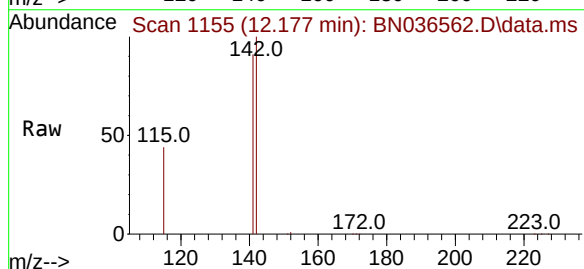
Instrument :
BNA_N
ClientSampleId :
SSTDICC3.2

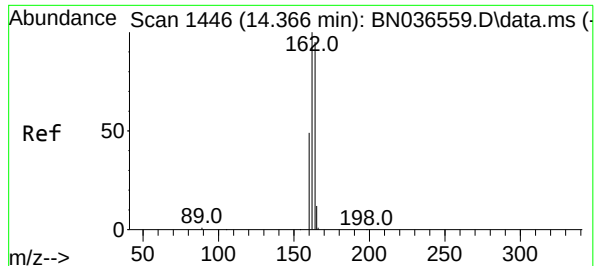
Tgt Ion:152 Resp: 34578
Ion Ratio Lower Upper
152 100
151 21.2 17.0 25.6



#12
2-Methylnaphthalene
Concen: 3.427 ng
RT: 12.177 min Scan# 1155
Delta R.T. -0.005 min
Lab File: BN036562.D
Acq: 10 Mar 2025 14:43

Tgt Ion:142 Resp: 43768
Ion Ratio Lower Upper
142 100
141 90.9 71.7 107.5
115 44.5 38.3 57.5

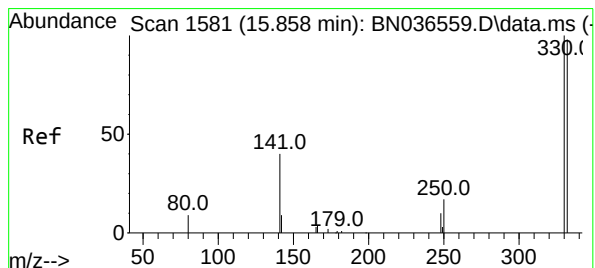
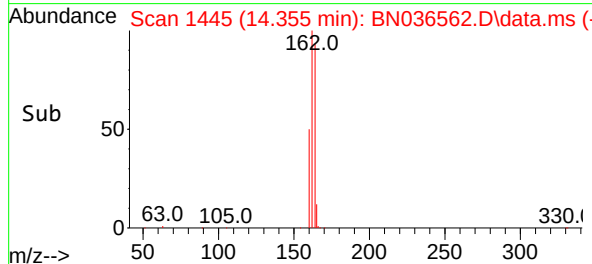
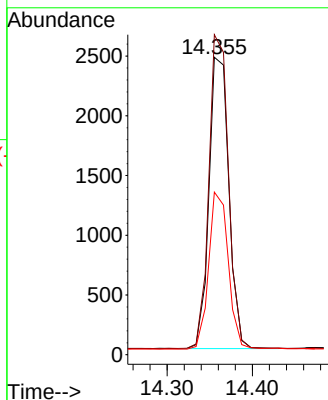
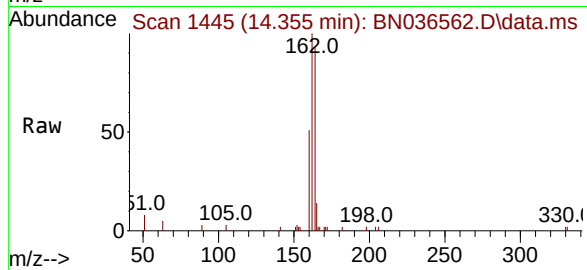




#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.355 min Scan# 1445
Delta R.T. -0.011 min
Lab File: BN036562.D
Acq: 10 Mar 2025 14:43

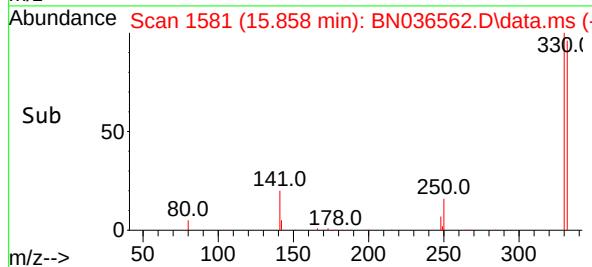
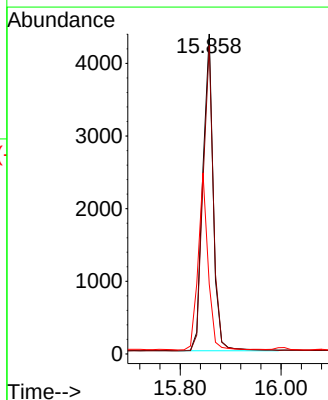
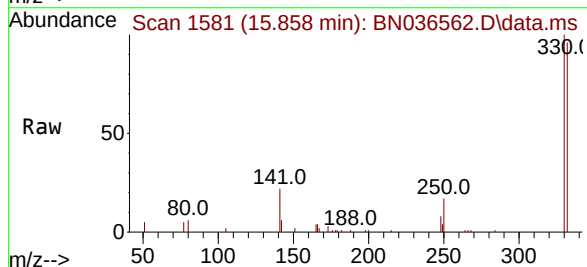
Instrument :
BNA_N
ClientSampleId :
SSTDICC3.2

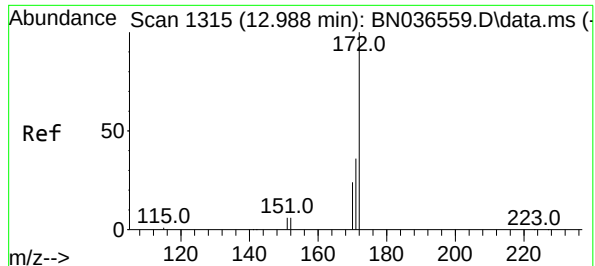
Tgt Ion:164 Resp: 3957
Ion Ratio Lower Upper
164 100
162 107.6 84.2 126.2
160 54.7 42.2 63.2



#14
2,4,6-Tribromophenol
Concen: 3.482 ng
RT: 15.858 min Scan# 1581
Delta R.T. 0.000 min
Lab File: BN036562.D
Acq: 10 Mar 2025 14:43

Tgt Ion:330 Resp: 6252
Ion Ratio Lower Upper
330 100
332 96.1 75.2 112.8
141 53.7 43.4 65.2

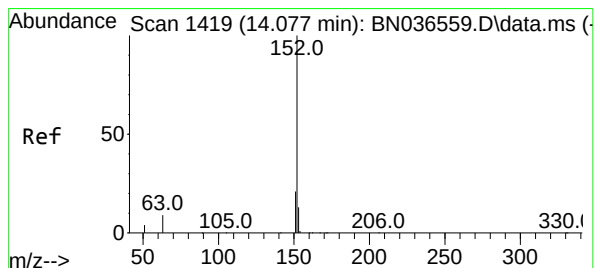
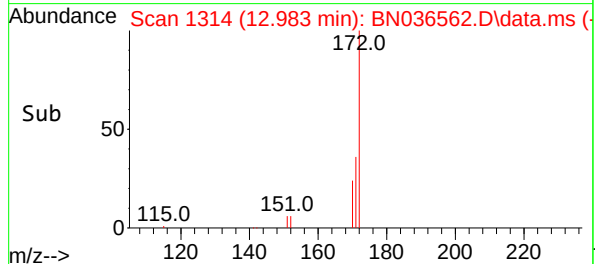
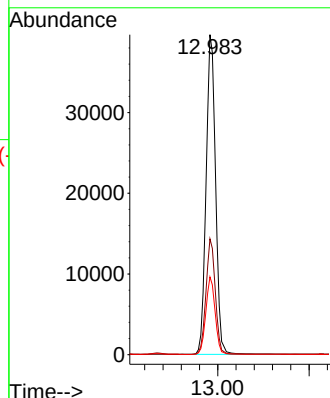
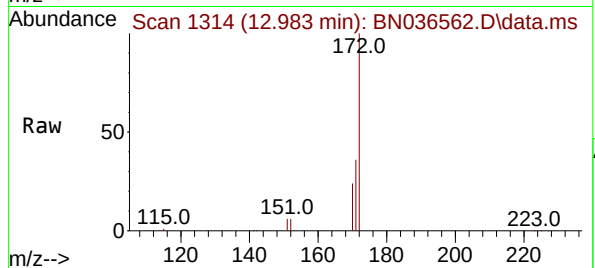




#15
2-Fluorobiphenyl
Concen: 3.529 ng
RT: 12.983 min Scan# 1314
Delta R.T. -0.005 min
Lab File: BN036562.D
Acq: 10 Mar 2025 14:43

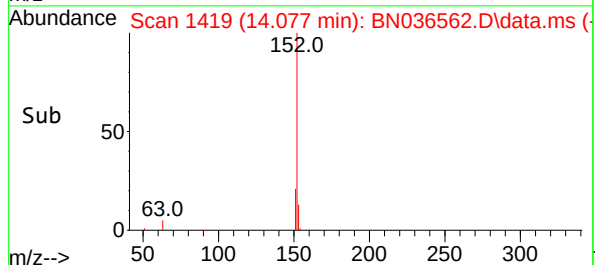
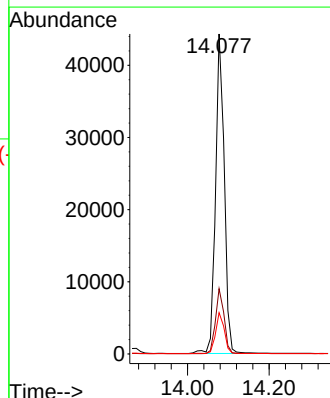
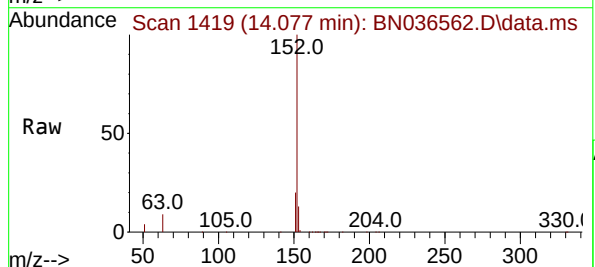
Instrument :
BNA_N
ClientSampleId :
SSTDICC3.2

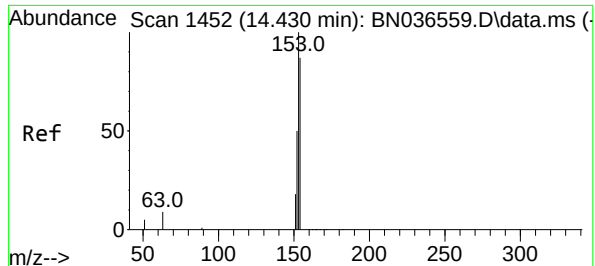
Tgt Ion:172 Resp: 81236
Ion Ratio Lower Upper
172 100
171 36.2 29.5 44.3
170 24.3 20.2 30.4



#16
Acenaphthylene
Concen: 3.516 ng
RT: 14.077 min Scan# 1419
Delta R.T. 0.000 min
Lab File: BN036562.D
Acq: 10 Mar 2025 14:43

Tgt Ion:152 Resp: 65654
Ion Ratio Lower Upper
152 100
151 20.0 16.2 24.4
153 12.8 10.6 15.8

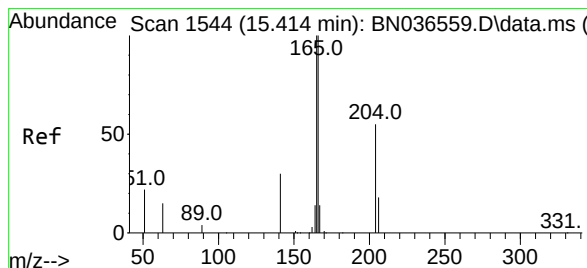
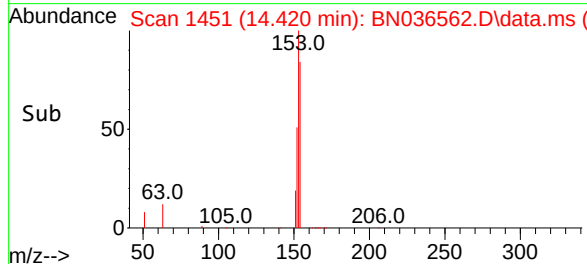
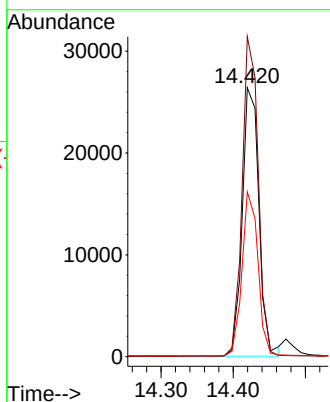
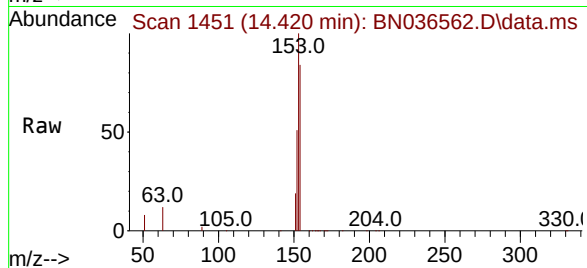




#17
Acenaphthene
Concen: 3.467 ng
RT: 14.420 min Scan# 1451
Delta R.T. -0.011 min
Lab File: BN036562.D
Acq: 10 Mar 2025 14:43

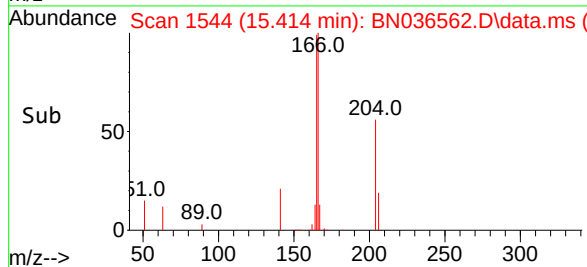
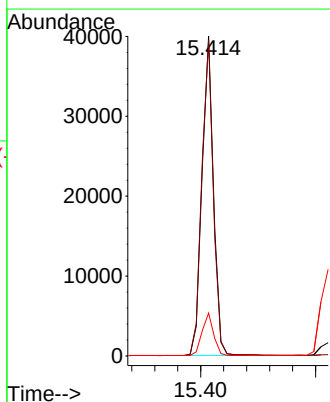
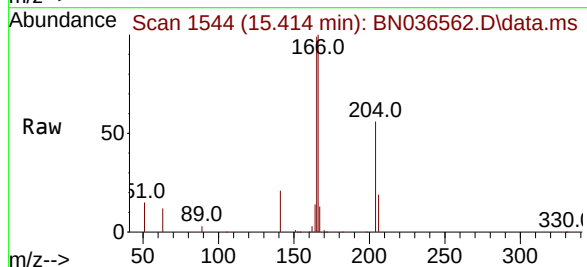
Instrument :
BNA_N
ClientSampleId :
SSTDICC3.2

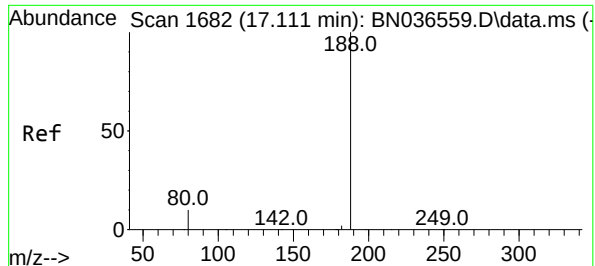
Tgt Ion:154 Resp: 42378
Ion Ratio Lower Upper
154 100
153 114.6 94.1 141.1
152 58.9 49.8 74.6



#18
Fluorene
Concen: 3.404 ng
RT: 15.414 min Scan# 1544
Delta R.T. -0.000 min
Lab File: BN036562.D
Acq: 10 Mar 2025 14:43

Tgt Ion:166 Resp: 56295
Ion Ratio Lower Upper
166 100
165 100.2 79.8 119.8
167 13.0 10.6 15.8





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 17.111 min Scan# 1

Delta R.T. 0.000 min

Lab File: BN036562.D

Acq: 10 Mar 2025 14:43

Instrument :

BNA_N

ClientSampleId :

SSTDICC3.2

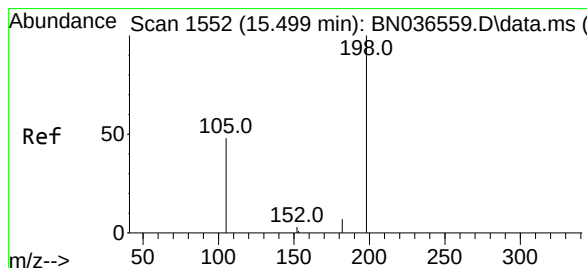
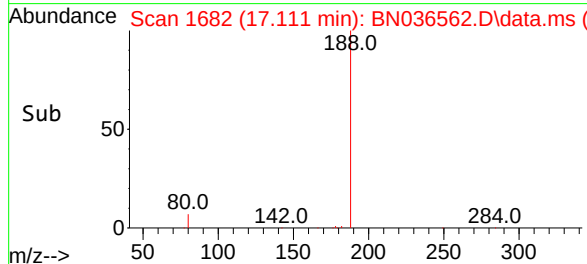
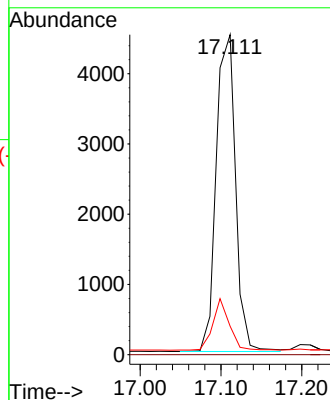
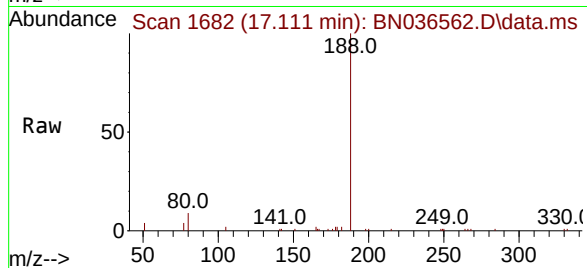
Tgt Ion:188 Resp: 7488

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

80 8.9 8.8 13.2



#20

4,6-Dinitro-2-methylphenol

Concen: 3.315 ng

RT: 15.489 min Scan# 1551

Delta R.T. -0.010 min

Lab File: BN036562.D

Acq: 10 Mar 2025 14:43

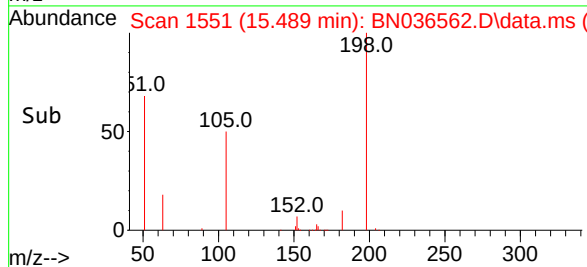
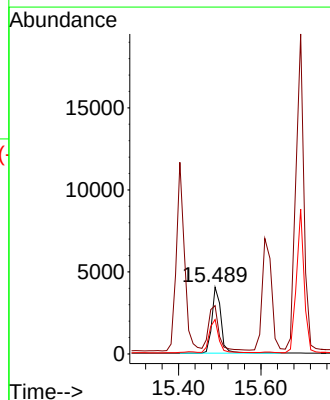
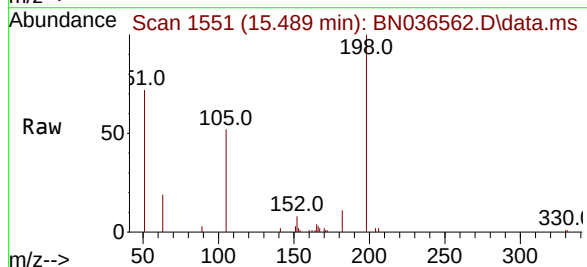
Tgt Ion:198 Resp: 6567

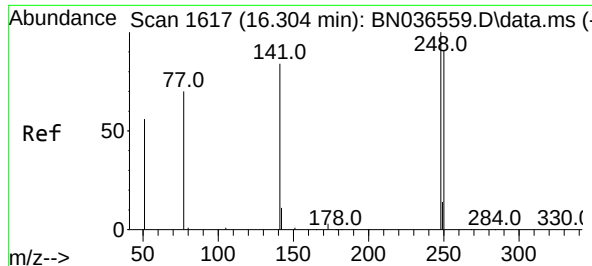
Ion Ratio Lower Upper

198 100

51 72.3 107.9 161.9#

105 51.5 56.2 84.2#

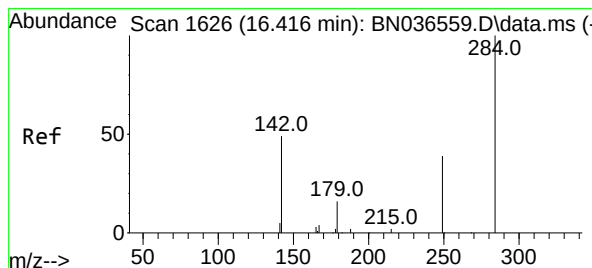
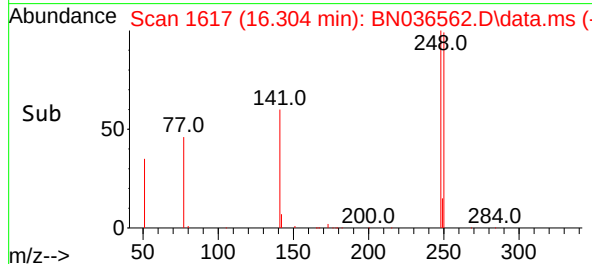
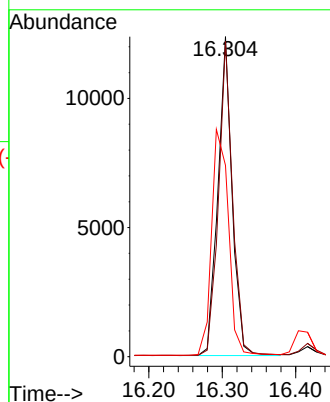
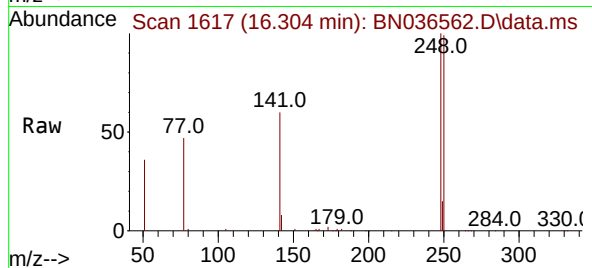




#21
4-Bromophenyl-phenylether
Concen: 3.549 ng
RT: 16.304 min Scan# 1617
Delta R.T. 0.000 min
Lab File: BN036562.D
Acq: 10 Mar 2025 14:43

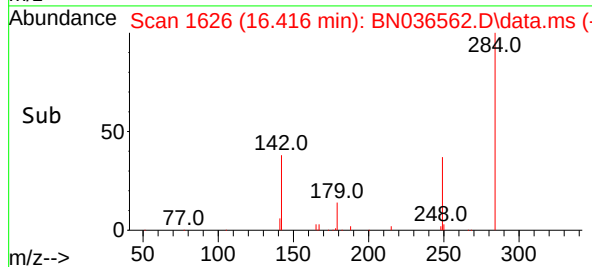
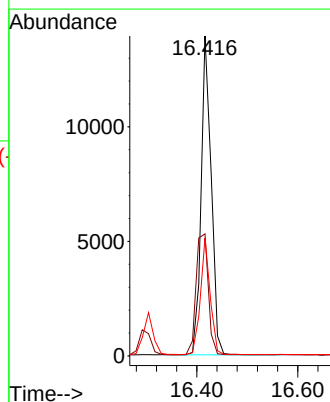
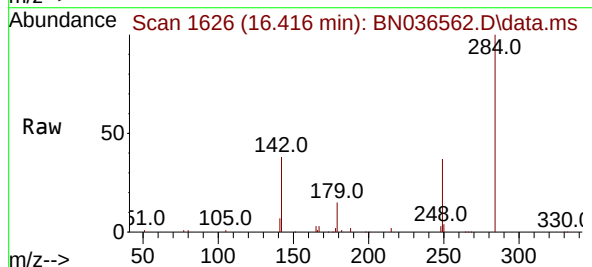
Instrument :
BNA_N
ClientSampleId :
SSTDICC3.2

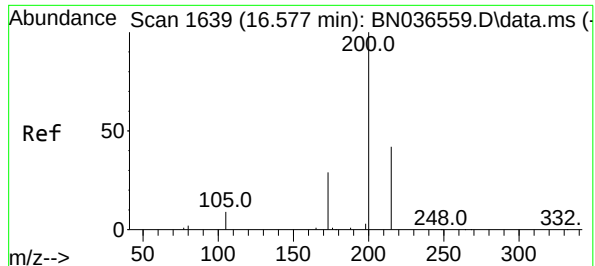
Tgt Ion	Ratio	Lower	Upper
248	100		
250	98.6	73.0	109.6
141	59.8	68.6	103.0



#22
Hexachlorobenzene
Concen: 3.406 ng
RT: 16.416 min Scan# 1626
Delta R.T. 0.000 min
Lab File: BN036562.D
Acq: 10 Mar 2025 14:43

Tgt Ion	Ratio	Lower	Upper
284	100		
142	46.2	37.0	55.4
249	35.5	28.1	42.1

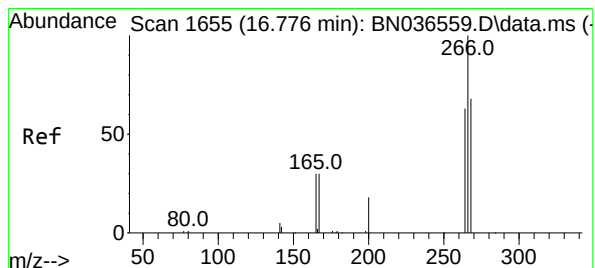
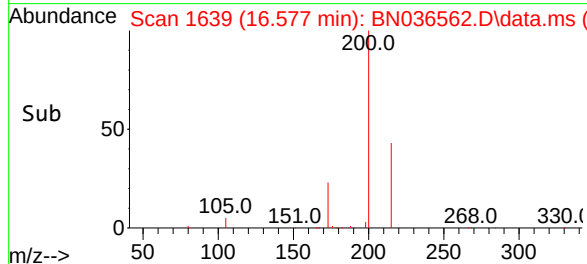
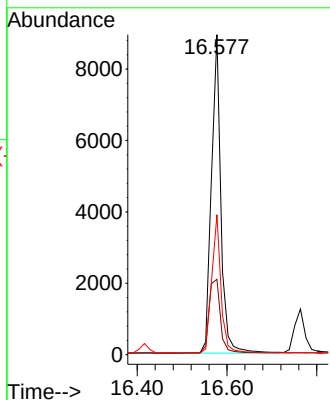
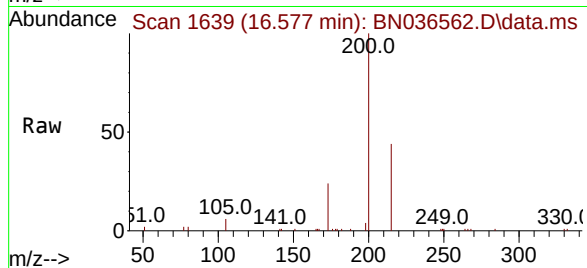




#23
Atrazine
Concen: 3.448 ng
RT: 16.577 min Scan# 1639
Delta R.T. 0.000 min
Lab File: BN036562.D
Acq: 10 Mar 2025 14:43

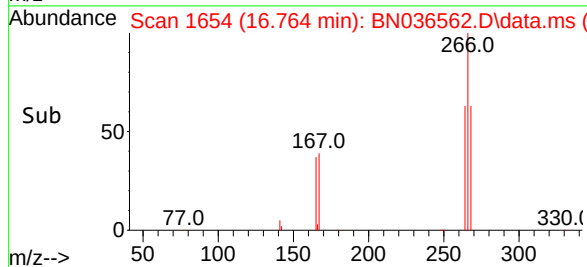
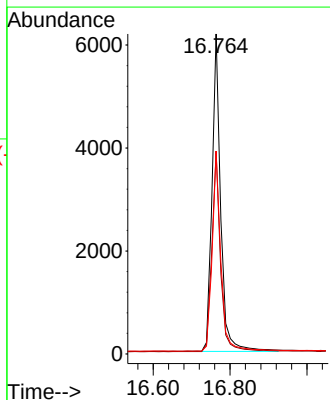
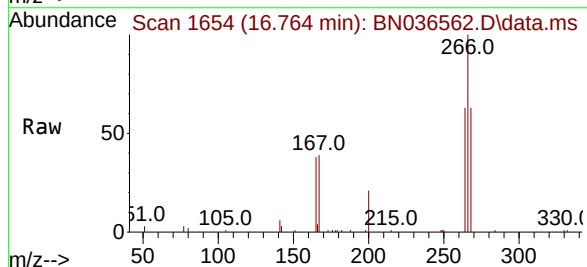
Instrument :
BNA_N
ClientSampleId :
SSTDICC3.2

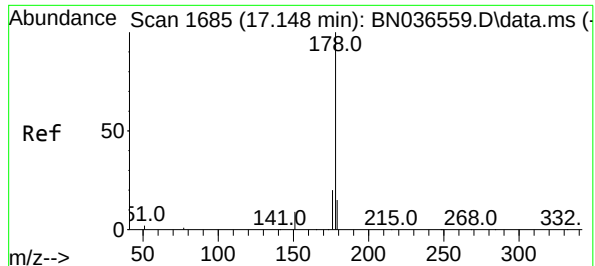
Tgt Ion	200	Resp:	12969
Ion Ratio	Lower	Upper	
200	100		
173	23.6	27.3	40.9#
215	43.7	36.8	55.2



#24
Pentachlorophenol
Concen: 3.726 ng
RT: 16.764 min Scan# 1654
Delta R.T. -0.012 min
Lab File: BN036562.D
Acq: 10 Mar 2025 14:43

Tgt Ion	266	Resp:	9625
Ion Ratio	Lower	Upper	
266	100		
264	63.1	49.6	74.4
268	63.1	50.9	76.3

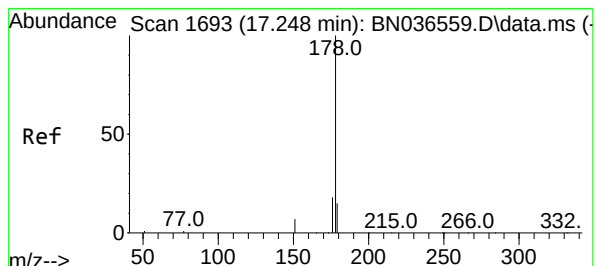
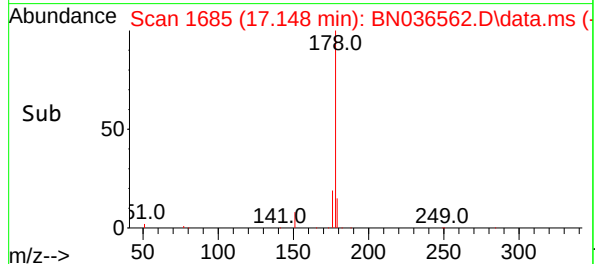
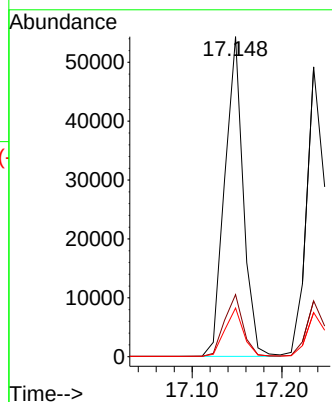
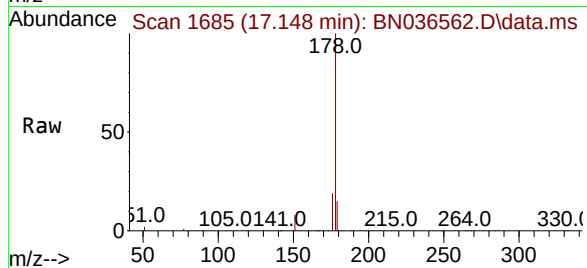




#25
Phenanthrene
Concen: 3.468 ng
RT: 17.148 min Scan# 1685
Delta R.T. 0.000 min
Lab File: BN036562.D
Acq: 10 Mar 2025 14:43

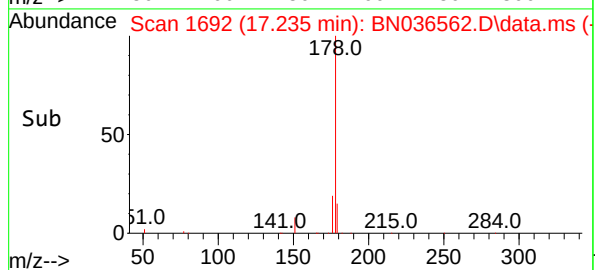
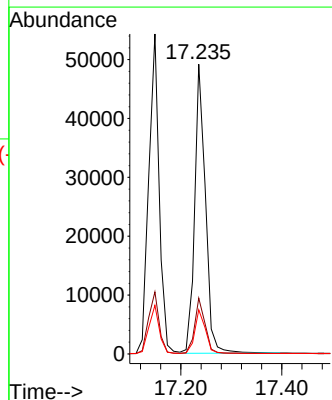
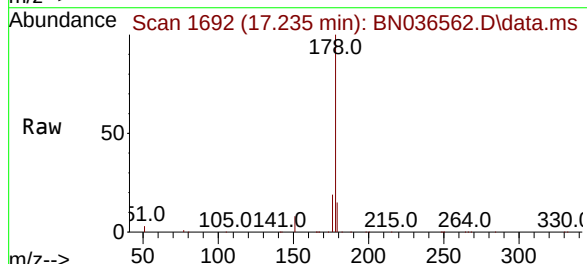
Instrument :
BNA_N
ClientSampleId :
SSTDICC3.2

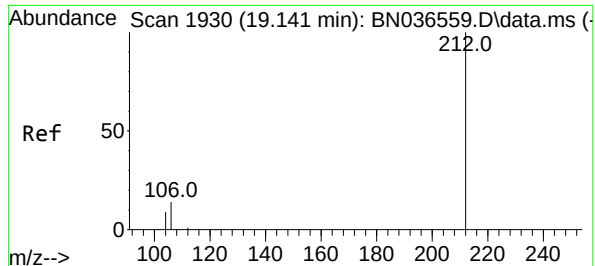
Tgt Ion:178 Resp: 77903
Ion Ratio Lower Upper
178 100
176 19.5 15.9 23.9
179 15.1 12.2 18.4



#26
Anthracene
Concen: 3.590 ng
RT: 17.235 min Scan# 1692
Delta R.T. -0.012 min
Lab File: BN036562.D
Acq: 10 Mar 2025 14:43

Tgt Ion:178 Resp: 72775
Ion Ratio Lower Upper
178 100
176 18.9 15.4 23.2
179 15.2 12.6 18.8





#27

Fluoranthene-d10

Concen: 3.394 ng

RT: 19.141 min Scan# 1930

Delta R.T. 0.000 min

Lab File: BN036562.D

Acq: 10 Mar 2025 14:43

Instrument :

BNA_N

ClientSampleId :

SSTDICC3.2

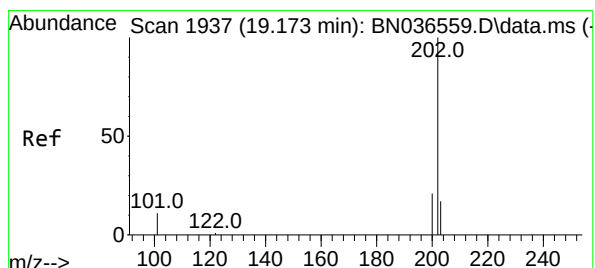
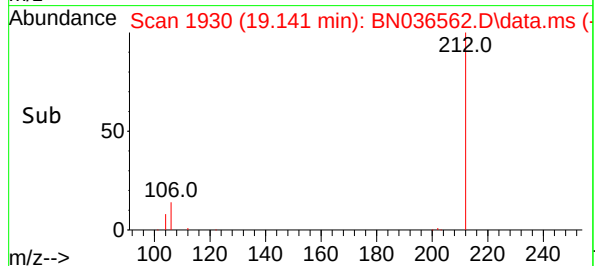
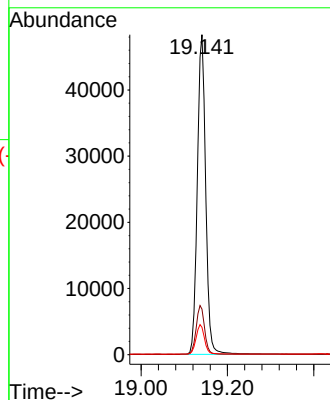
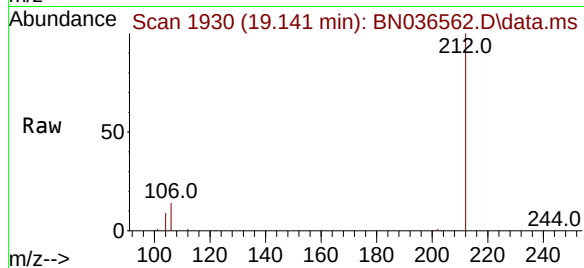
Tgt Ion:212 Resp: 65134

Ion Ratio Lower Upper

212 100

106 15.4 11.8 17.6

104 9.2 7.3 10.9



#28

Fluoranthene

Concen: 3.436 ng

RT: 19.169 min Scan# 1936

Delta R.T. -0.005 min

Lab File: BN036562.D

Acq: 10 Mar 2025 14:43

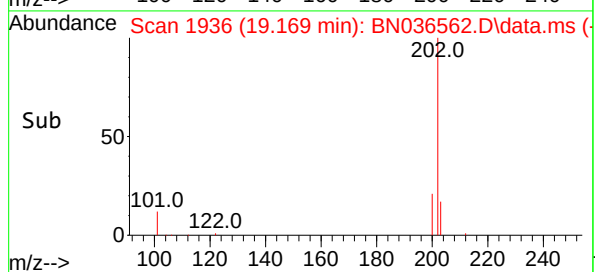
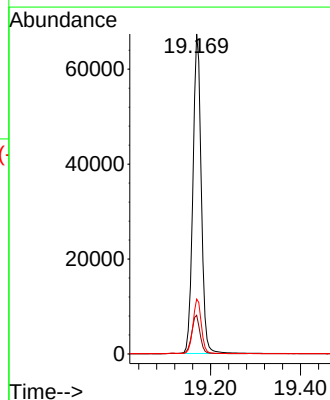
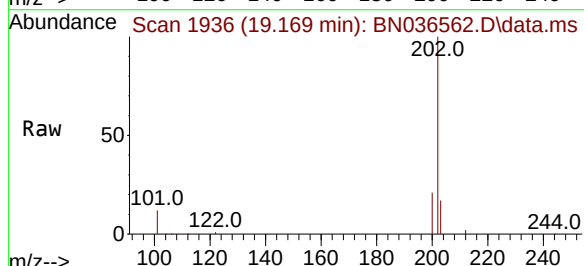
Tgt Ion:202 Resp: 86688

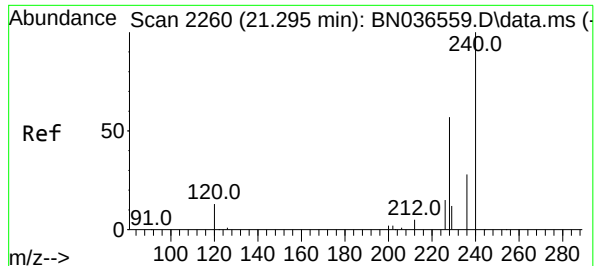
Ion Ratio Lower Upper

202 100

101 12.3 9.4 14.0

203 17.0 13.5 20.3





#29

Chrysene-d12

Concen: 0.400 ng

RT: 21.295 min Scan# 21

Delta R.T. 0.000 min

Lab File: BN036562.D

Acq: 10 Mar 2025 14:43

Instrument :

BNA_N

ClientSampleId :

SSTDICC3.2

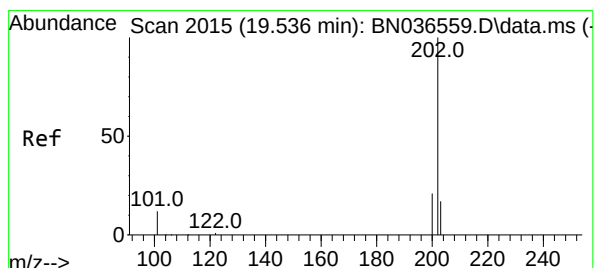
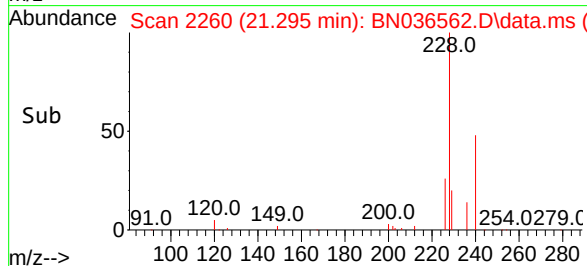
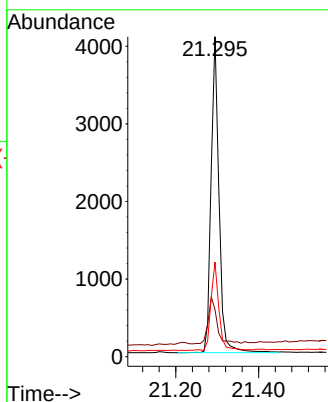
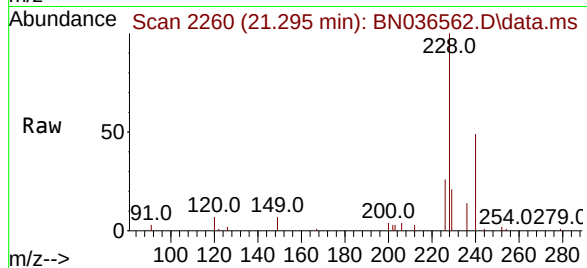
Tgt Ion:240 Resp: 5439

Ion Ratio Lower Upper

240 100

120 14.8 14.6 22.0

236 29.5 24.1 36.1



#30

Pyrene

Concen: 3.260 ng

RT: 19.531 min Scan# 2014

Delta R.T. -0.005 min

Lab File: BN036562.D

Acq: 10 Mar 2025 14:43

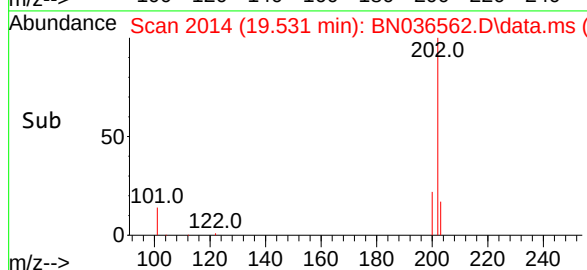
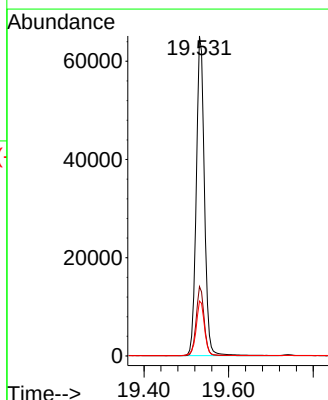
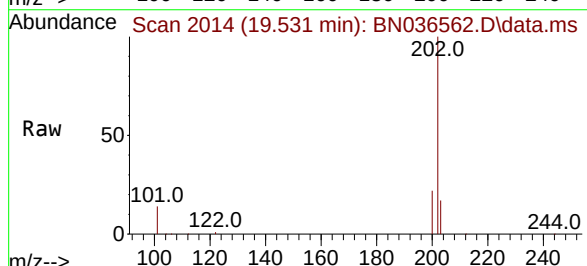
Tgt Ion:202 Resp: 86694

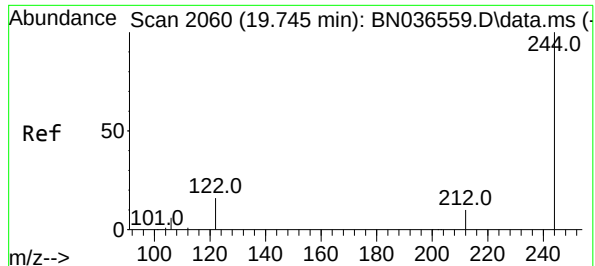
Ion Ratio Lower Upper

202 100

200 21.4 17.1 25.7

203 17.6 14.1 21.1

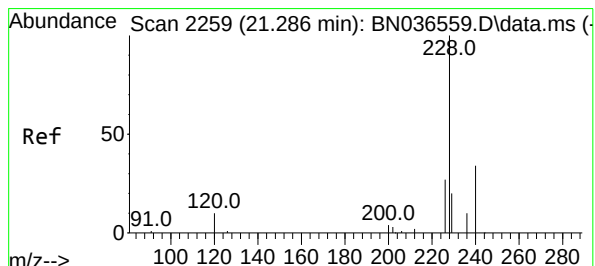
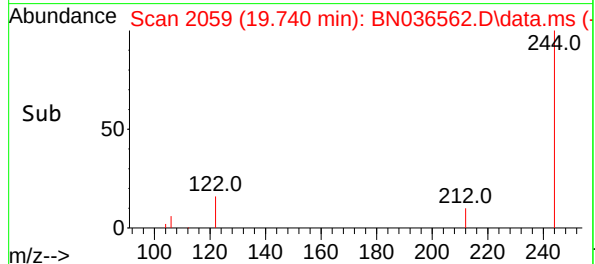
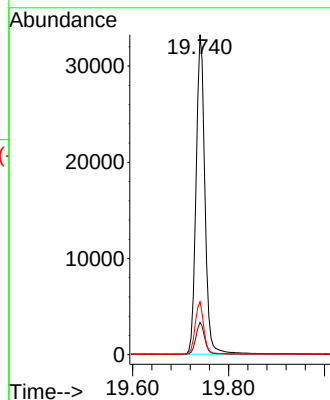
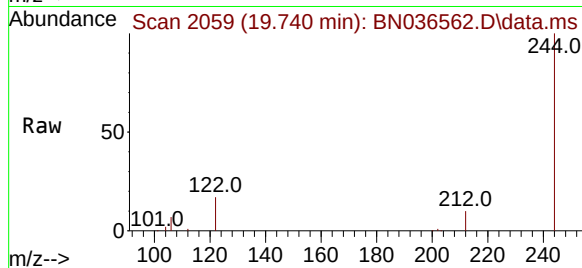




#31
Terphenyl-d14
Concen: 3.297 ng
RT: 19.740 min Scan# 2060
Delta R.T. -0.005 min
Lab File: BN036562.D
Acq: 10 Mar 2025 14:43

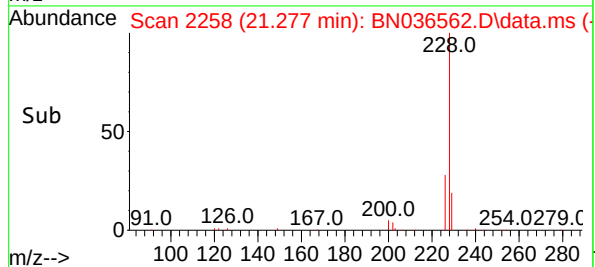
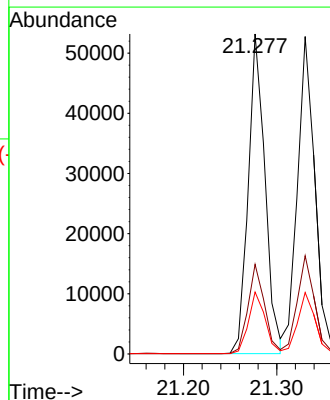
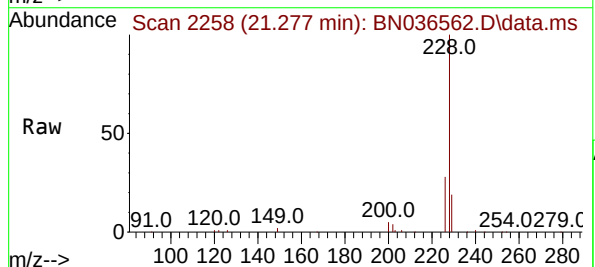
Instrument :
BNA_N
ClientSampleId :
SSTDICC3.2

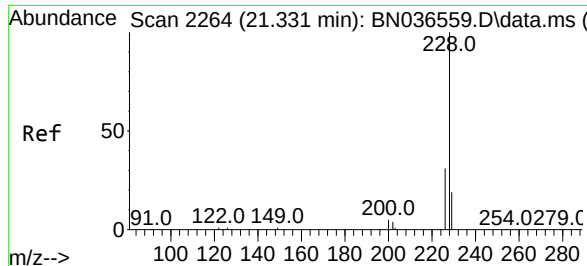
Tgt Ion:244 Resp: 42959
Ion Ratio Lower Upper
244 100
212 10.1 9.6 14.4
122 16.6 13.9 20.9



#32
Benzo(a)anthracene
Concen: 3.516 ng
RT: 21.277 min Scan# 2258
Delta R.T. -0.009 min
Lab File: BN036562.D
Acq: 10 Mar 2025 14:43

Tgt Ion:228 Resp: 66496
Ion Ratio Lower Upper
228 100
226 28.0 22.5 33.7
229 19.4 16.6 25.0





#33

Chrysene

Concen: 3.403 ng

RT: 21.331 min Scan# 21

Delta R.T. -0.000 min

Lab File: BN036562.D

Acq: 10 Mar 2025 14:43

Instrument :

BNA_N

ClientSampleId :

SSTDICC3.2

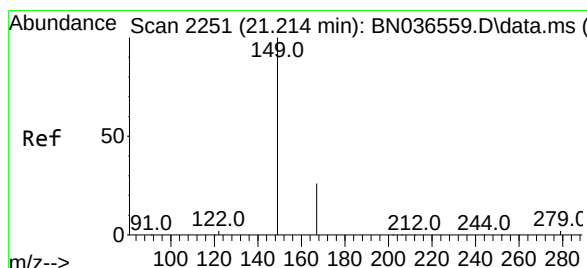
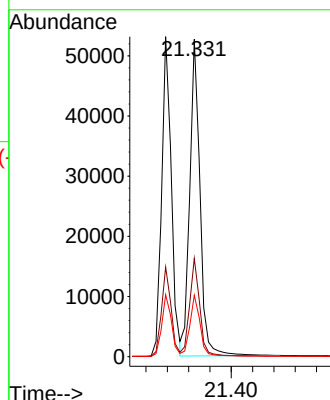
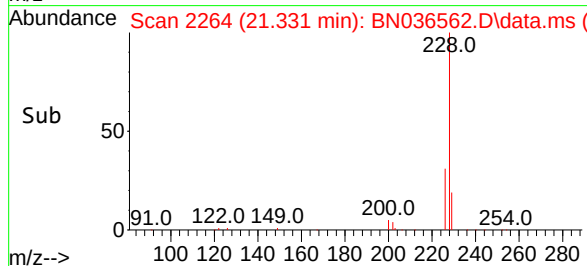
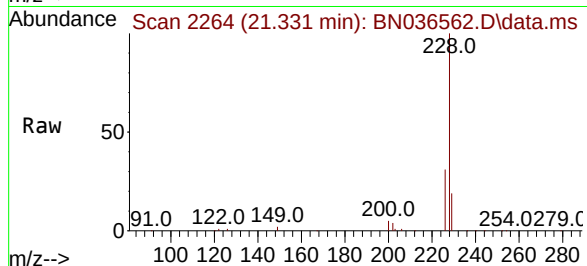
Tgt Ion:228 Resp: 70334

Ion Ratio Lower Upper

228 100

226 31.0 25.3 37.9

229 19.4 15.8 23.8



#34

Bis(2-ethylhexyl)phthalate

Concen: 2.947 ng

RT: 21.214 min Scan# 2251

Delta R.T. 0.000 min

Lab File: BN036562.D

Acq: 10 Mar 2025 14:43

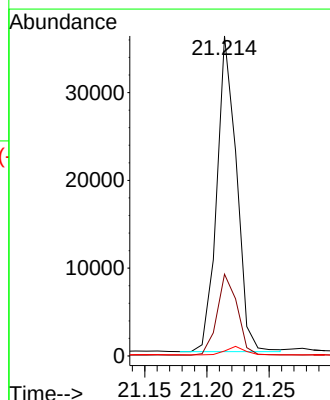
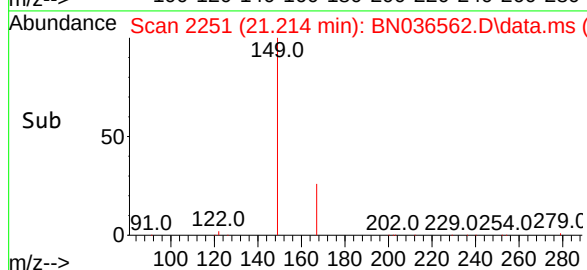
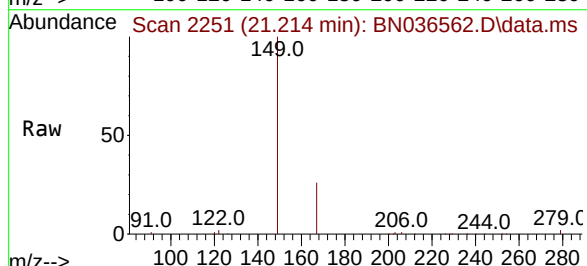
Tgt Ion:149 Resp: 39682

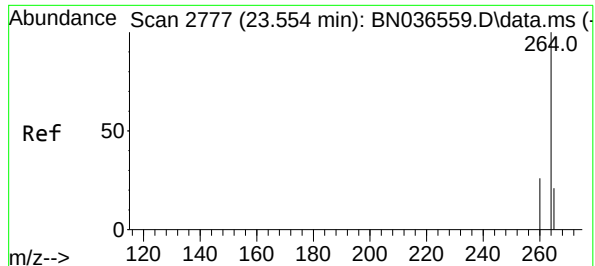
Ion Ratio Lower Upper

149 100

167 26.3 20.7 31.1

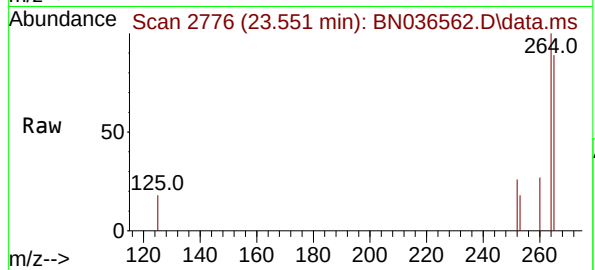
279 2.6 3.6 5.4#



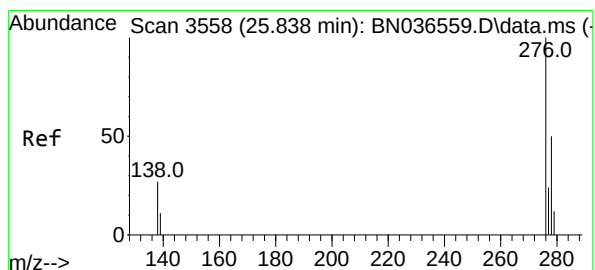
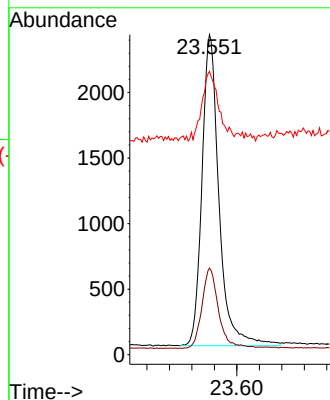
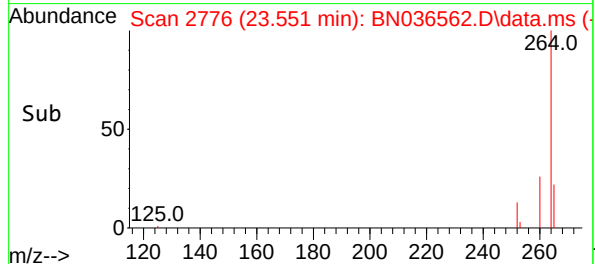


#35
Perylene-d12
Concen: 0.400 ng
RT: 23.551 min Scan# 21
Delta R.T. -0.003 min
Lab File: BN036562.D
Acq: 10 Mar 2025 14:43

Instrument :
BNA_N
ClientSampleId :
SSTDICC3.2

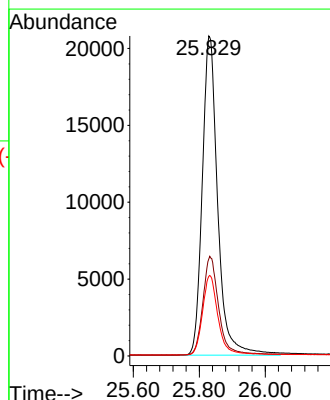
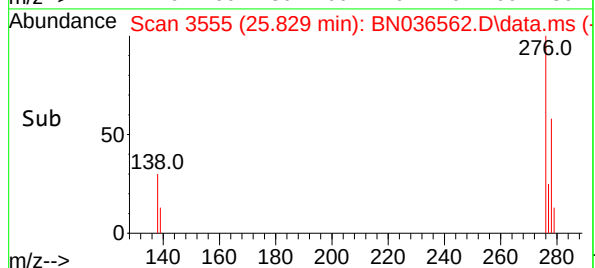
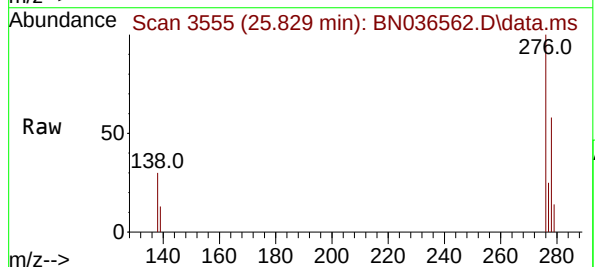


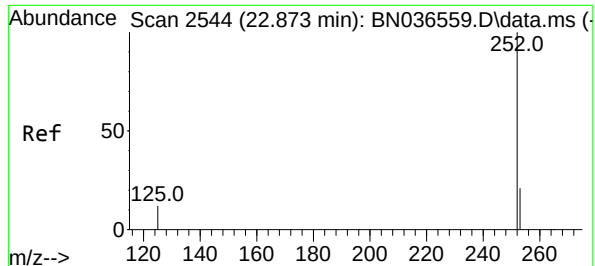
Tgt Ion:264 Resp: 5002
Ion Ratio Lower Upper
264 100
260 27.0 22.6 33.8
265 88.6 88.1 132.1



#36
Indeno(1,2,3-cd)pyrene
Concen: 3.754 ng
RT: 25.829 min Scan# 3555
Delta R.T. -0.009 min
Lab File: BN036562.D
Acq: 10 Mar 2025 14:43

Tgt Ion:276 Resp: 67767
Ion Ratio Lower Upper
276 100
138 31.3 23.4 35.2
277 24.8 20.0 30.0





#37

Benzo(b)fluoranthene

Concen: 3.506 ng

RT: 22.870 min Scan# 21

Delta R.T. -0.003 min

Lab File: BN036562.D

Acq: 10 Mar 2025 14:43

Instrument :

BNA_N

ClientSampleId :

SSTDICC3.2

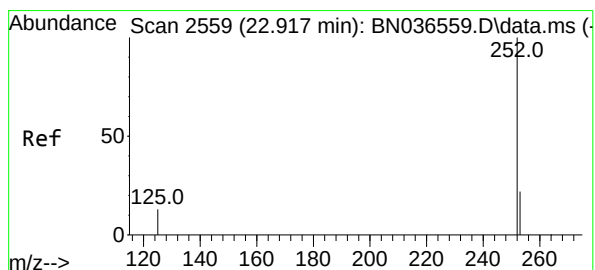
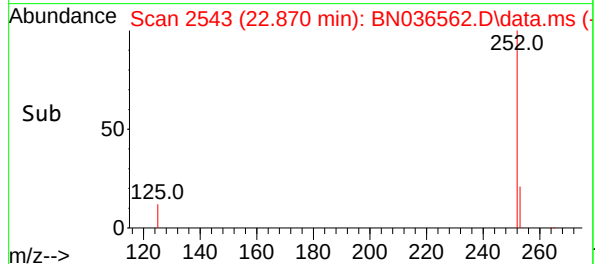
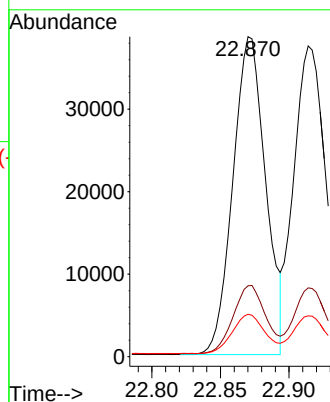
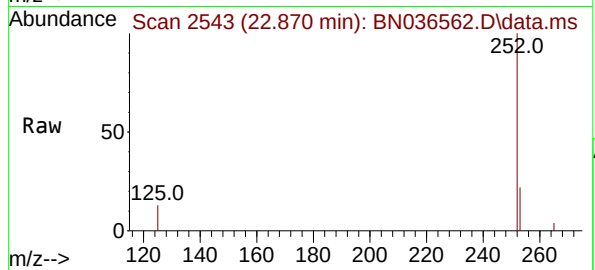
Tgt Ion:252 Resp: 63823

Ion Ratio Lower Upper

252 100

253 22.2 23.9 35.9#

125 13.3 17.4 26.2#



#38

Benzo(k)fluoranthene

Concen: 3.425 ng

RT: 22.914 min Scan# 2558

Delta R.T. -0.003 min

Lab File: BN036562.D

Acq: 10 Mar 2025 14:43

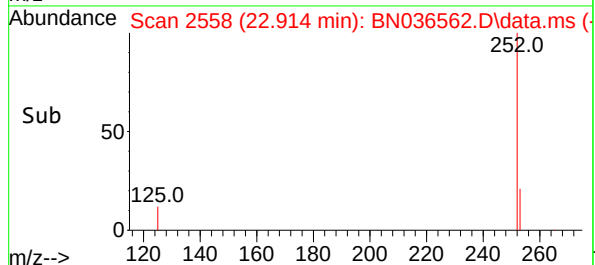
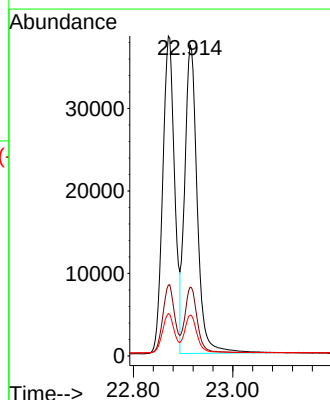
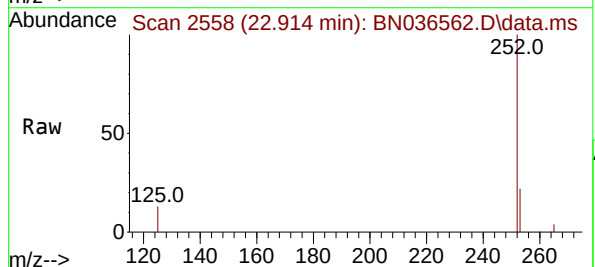
Tgt Ion:252 Resp: 65410

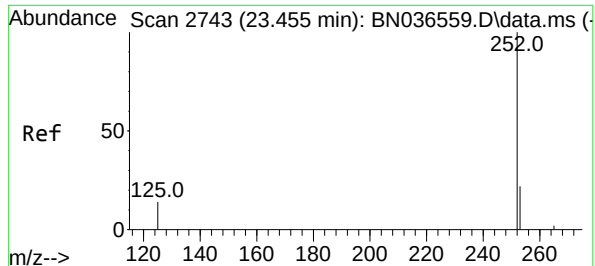
Ion Ratio Lower Upper

252 100

253 22.1 24.6 36.8#

125 13.2 17.8 26.8#





#39

Benzo(a)pyrene

Concen: 3.523 ng

RT: 23.452 min Scan# 21

Delta R.T. -0.003 min

Lab File: BN036562.D

Acq: 10 Mar 2025 14:43

Instrument :

BNA_N

ClientSampleId :

SSTDICC3.2

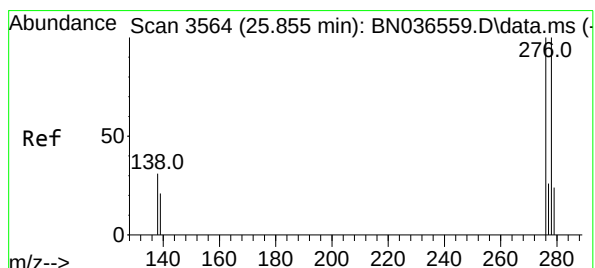
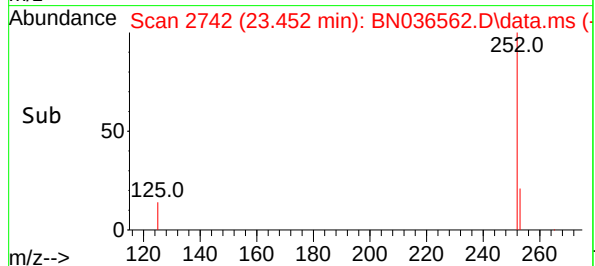
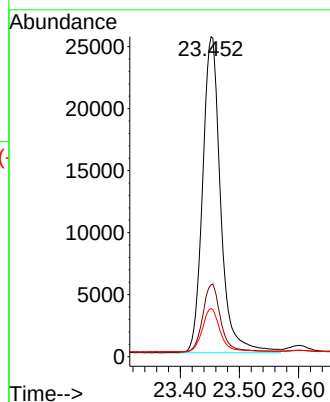
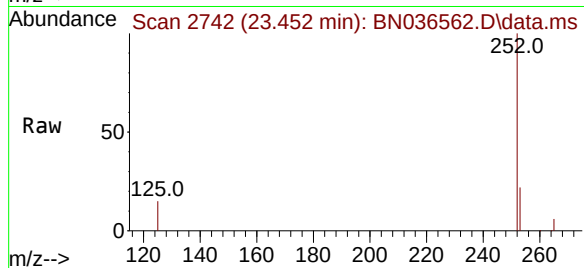
Tgt Ion:252 Resp: 54009

Ion Ratio Lower Upper

252 100

253 22.4 27.8 41.8#

125 15.1 22.7 34.1#



#40

Dibenzo(a,h)anthracene

Concen: 3.846 ng

RT: 25.843 min Scan# 3560

Delta R.T. -0.012 min

Lab File: BN036562.D

Acq: 10 Mar 2025 14:43

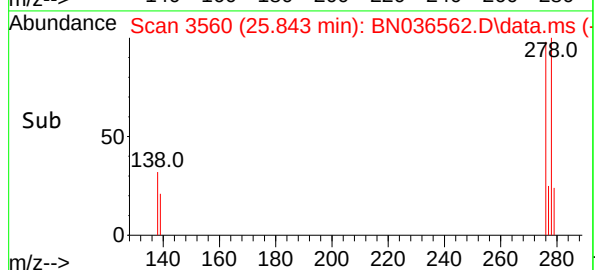
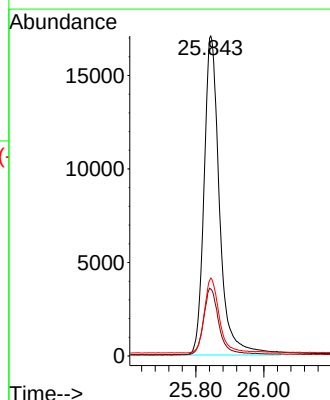
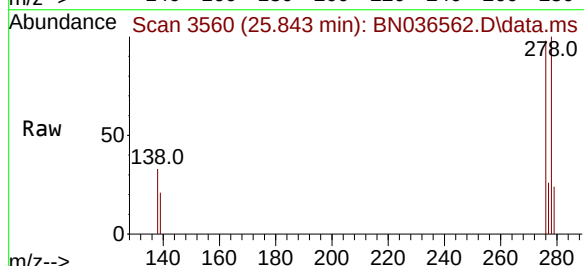
Tgt Ion:278 Resp: 54058

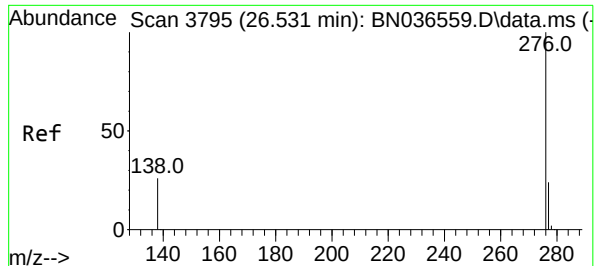
Ion Ratio Lower Upper

278 100

139 20.9 20.8 31.2

279 24.4 28.8 43.2#





#41

Benzo(g,h,i)perylene

Concen: 3.606 ng

RT: 26.528 min Scan# 31

Delta R.T. -0.003 min

Lab File: BN036562.D

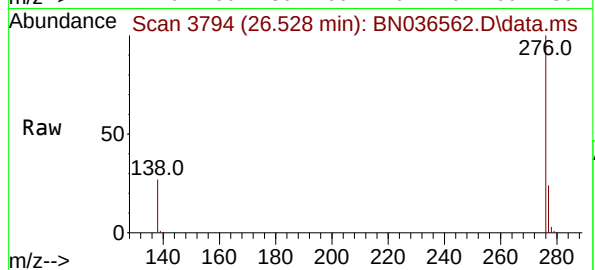
Acq: 10 Mar 2025 14:43

Instrument :

BNA_N

ClientSampleId :

SSTDICC3.2



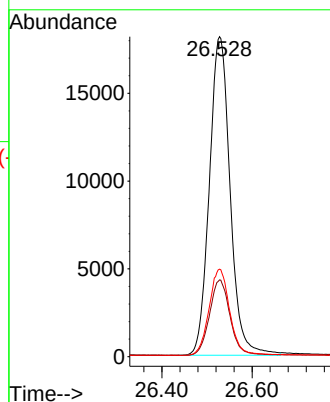
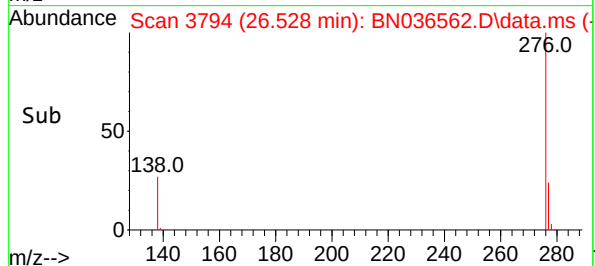
Tgt Ion:276 Resp: 57986

Ion Ratio Lower Upper

276 100

277 24.0 22.2 33.4

138 27.4 24.1 36.1



Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN031025\
 Data File : BN036563.D
 Acq On : 10 Mar 2025 15:19
 Operator : RC/JU
 Sample : SSTDICC5.0
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 SSTDICC5.0

Quant Time: Mar 10 16:03:20 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN031025.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Mar 10 15:54:23 2025
 Response via : Initial Calibration

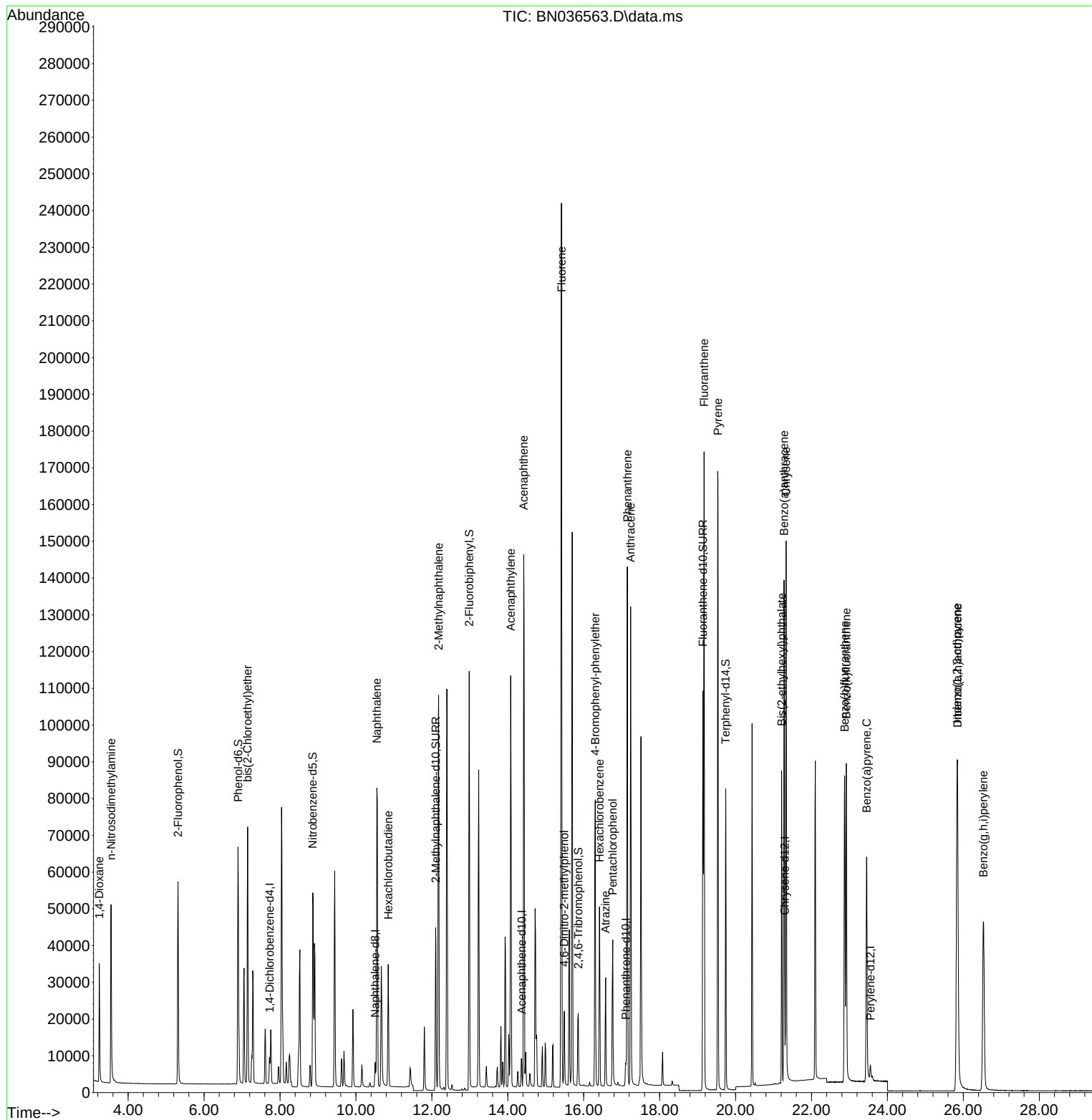
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.724	152	3261	0.400	ng	0.00
7) Naphthalene-d8	10.509	136	7995	0.400	ng	# 0.00
13) Acenaphthene-d10	14.366	164	4664	0.400	ng	0.00
19) Phenanthrene-d10	17.111	188	9061	0.400	ng	0.00
29) Chrysene-d12	21.295	240	6472	0.400	ng	0.00
35) Perylene-d12	23.551	264	5580	0.400	ng	# 0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.312	112	37154	4.889	ng	0.00
5) Phenol-d6	6.894	99	48085	5.122	ng	0.00
8) Nitrobenzene-d5	8.864	82	41042	4.719	ng	-0.01
11) 2-Methylnaphthalene-d10	12.101	152	58048	4.881	ng	-0.01
14) 2,4,6-Tribromophenol	15.858	330	10964	5.181	ng	0.00
15) 2-Fluorobiphenyl	12.983	172	141052	5.199	ng	0.00
27) Fluoranthene-d10	19.141	212	113317	4.879	ng	0.00
31) Terphenyl-d14	19.740	244	74923	4.832	ng	0.00
Target Compounds						
2) 1,4-Dioxane	3.239	88	16253	4.492	ng	97
3) n-Nitrosodimethylamine	3.550	42	32163	4.395	ng	# 95
6) bis(2-Chloroethyl)ether	7.146	93	44986	4.636	ng	99
9) Naphthalene	10.551	128	109289	4.647	ng	97
10) Hexachlorobutadiene	10.850	225	25105	4.535	ng	# 99
12) 2-Methylnaphthalene	12.177	142	73010	4.879	ng	98
16) Acenaphthylene	14.077	152	112792	5.125	ng	99
17) Acenaphthene	14.420	154	72446	5.028	ng	96
18) Fluorene	15.414	166	96215	4.937	ng	97
20) 4,6-Dinitro-2-methylph...	15.489	198	12627	4.968	ng	# 56
21) 4-Bromophenyl-phenylether	16.304	248	28657	5.048	ng	# 81
22) Hexachlorobenzene	16.416	284	32686	4.770	ng	99
23) Atrazine	16.577	200	22705	4.988	ng	# 90
24) Pentachlorophenol	16.764	266	17612	5.634	ng	99
25) Phenanthrene	17.148	178	135347	4.979	ng	100
26) Anthracene	17.235	178	125954	5.135	ng	99
28) Fluoranthene	19.169	202	149107	4.883	ng	99
30) Pyrene	19.536	202	148584	4.695	ng	100
32) Benzo(a)anthracene	21.277	228	114481	5.087	ng	98
33) Chrysene	21.331	228	117149	4.764	ng	99
34) Bis(2-ethylhexyl)phtha...	21.214	149	70345	4.390	ng	# 99
36) Indeno(1,2,3-cd)pyrene	25.835	276	109561	5.440	ng	98
37) Benzo(b)fluoranthene	22.873	252	104498	5.146	ng	# 84
38) Benzo(k)fluoranthene	22.917	252	106995	5.022	ng	# 82
39) Benzo(a)pyrene	23.452	252	88413	5.170	ng	# 76
40) Dibenzo(a,h)anthracene	25.846	278	87308	5.568	ng	# 84
41) Benzo(g,h,i)perylene	26.531	276	93067	5.189	ng	93

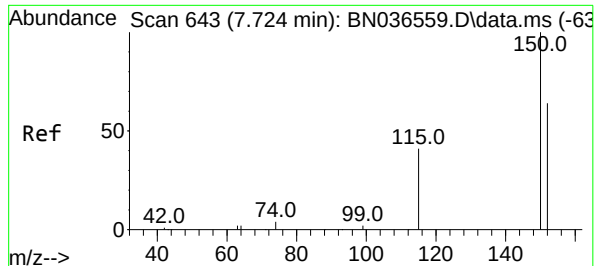
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Data File : BN036563.D
Acq On : 10 Mar 2025 15:19
Operator : RC/JU
Sample : SSTDICC5.0
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

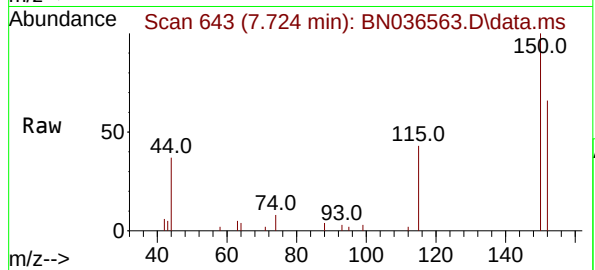
Quant Time: Mar 10 16:03:20 2025
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Mar 10 15:54:23 2025
Response via : Initial Calibration



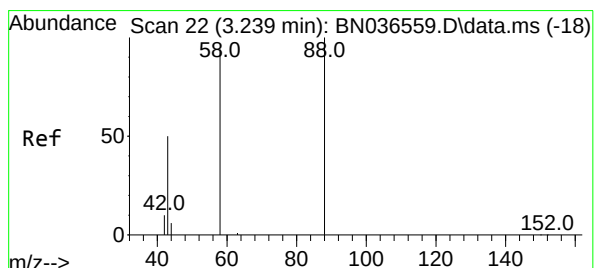
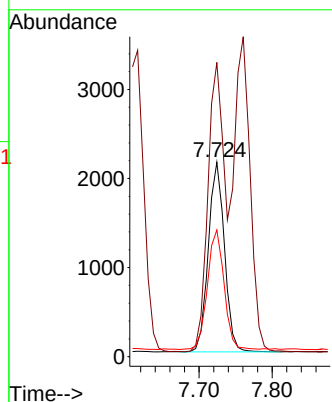
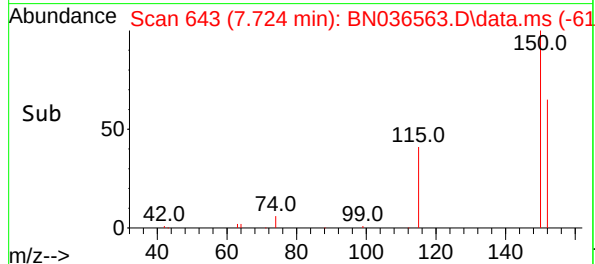


#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.724 min Scan# 64
Delta R.T. 0.000 min
Lab File: BN036563.D
Acq: 10 Mar 2025 15:19

Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

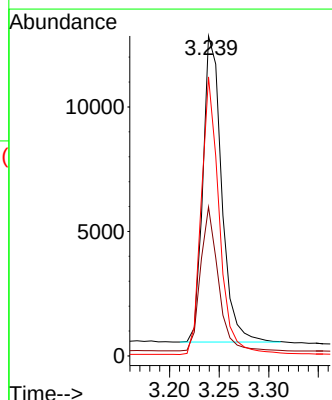
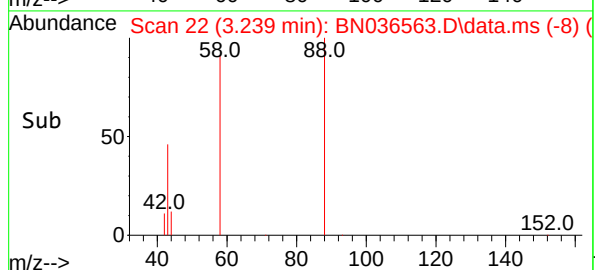
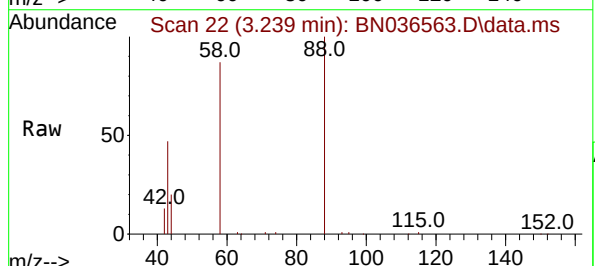


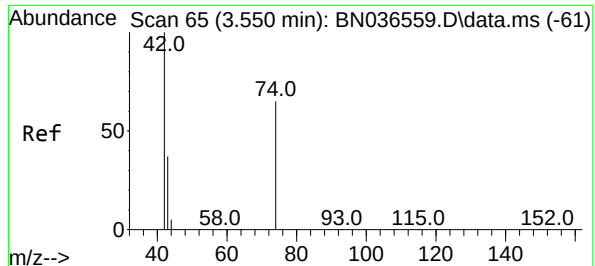
Tgt Ion:152 Resp: 3261
Ion Ratio Lower Upper
152 100
150 151.3 123.7 185.5
115 65.2 54.3 81.5



#2
1,4-Dioxane
Concen: 4.492 ng
RT: 3.239 min Scan# 22
Delta R.T. -0.000 min
Lab File: BN036563.D
Acq: 10 Mar 2025 15:19

Tgt Ion: 88 Resp: 16253
Ion Ratio Lower Upper
88 100
43 44.3 37.8 56.8
58 86.4 67.4 101.2

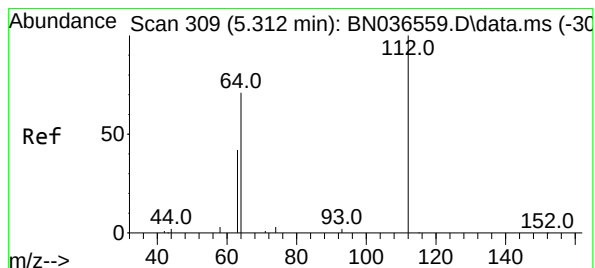
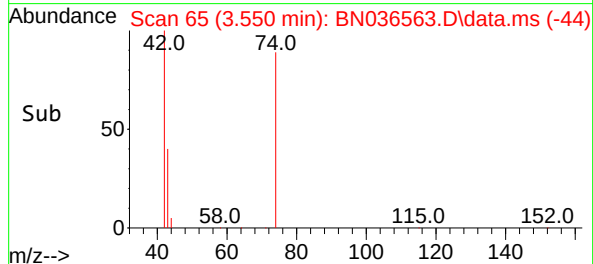
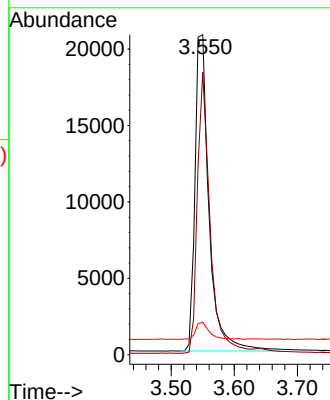
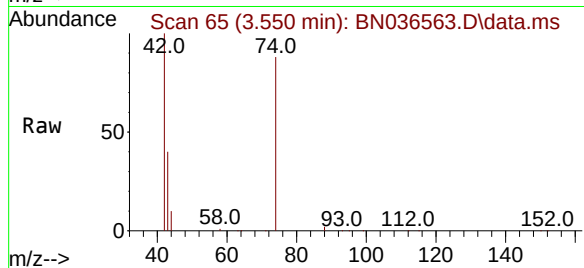




#3
n-Nitrosodimethylamine
Concen: 4.395 ng
RT: 3.550 min Scan# 61
Delta R.T. 0.000 min
Lab File: BN036563.D
Acq: 10 Mar 2025 15:19

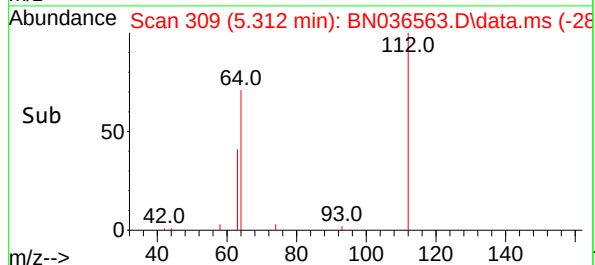
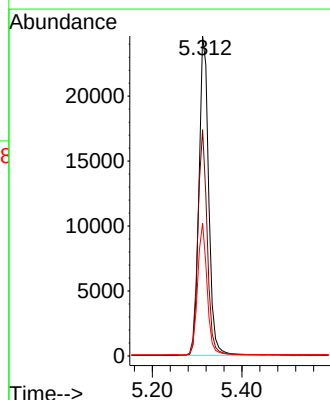
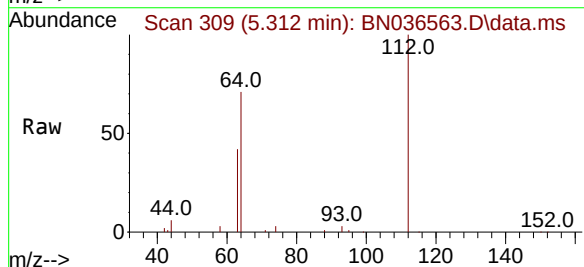
Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

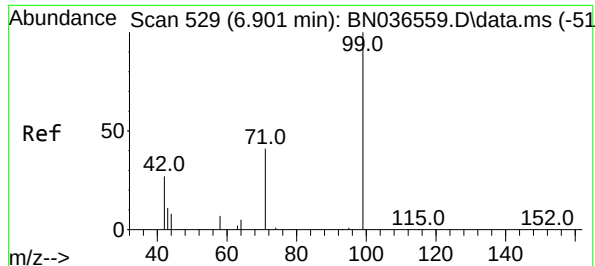
Tgt Ion: 42 Resp: 32163
Ion Ratio Lower Upper
42 100
74 79.9 60.6 90.8
44 5.3 6.3 9.5#



#4
2-Fluorophenol
Concen: 4.889 ng
RT: 5.312 min Scan# 309
Delta R.T. 0.000 min
Lab File: BN036563.D
Acq: 10 Mar 2025 15:19

Tgt Ion: 112 Resp: 37154
Ion Ratio Lower Upper
112 100
64 68.5 53.1 79.7
63 40.1 31.8 47.8

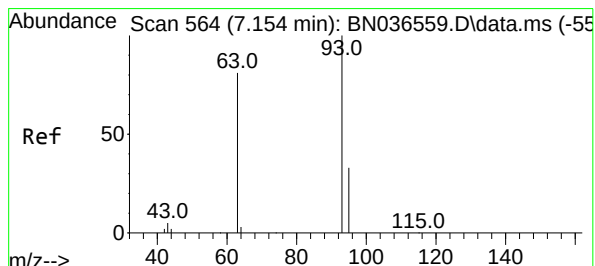
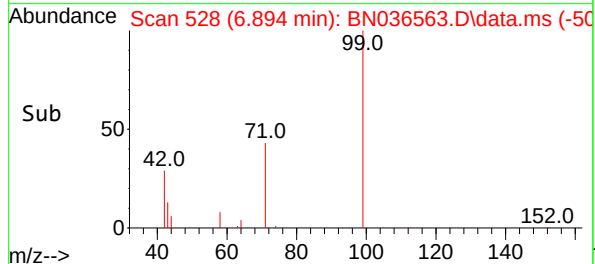
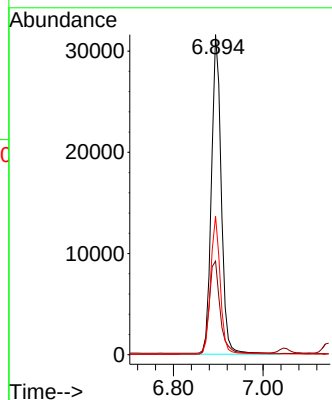
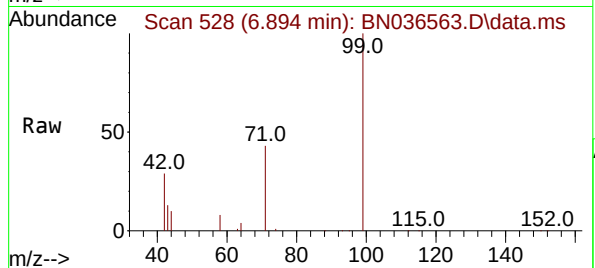




#5
Phenol-d6
Concen: 5.122 ng
RT: 6.894 min Scan# 51
Delta R.T. -0.007 min
Lab File: BN036563.D
Acq: 10 Mar 2025 15:19

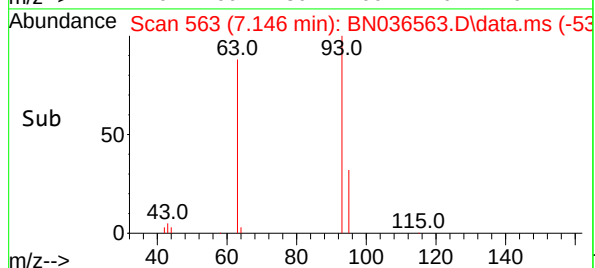
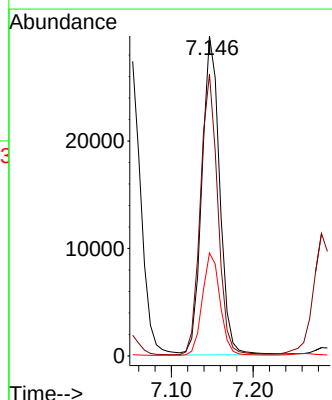
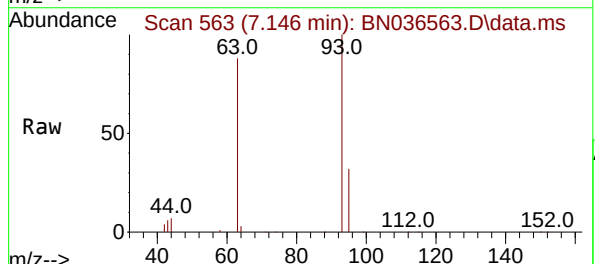
Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

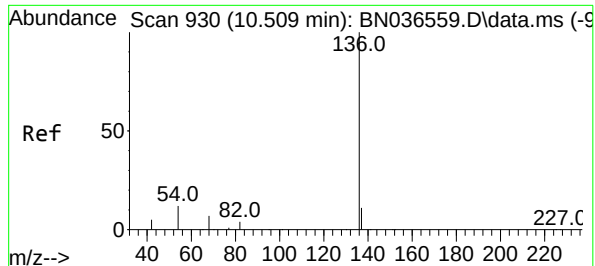
Tgt Ion: 99 Resp: 48085
Ion Ratio Lower Upper
99 100
42 31.8 26.5 39.7
71 42.6 34.1 51.1



#6
bis(2-Chloroethyl)ether
Concen: 4.636 ng
RT: 7.146 min Scan# 563
Delta R.T. -0.007 min
Lab File: BN036563.D
Acq: 10 Mar 2025 15:19

Tgt Ion: 93 Resp: 44986
Ion Ratio Lower Upper
93 100
63 85.8 67.7 101.5
95 32.0 25.6 38.4

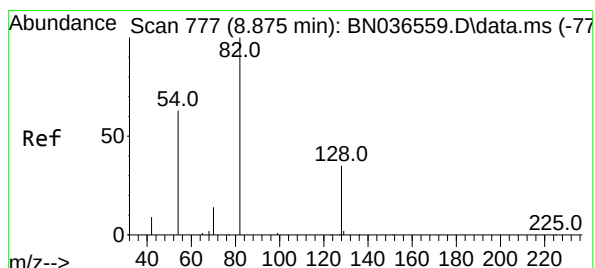
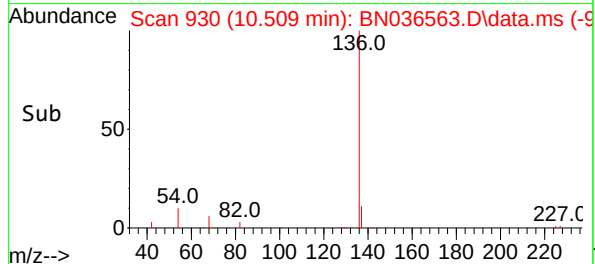
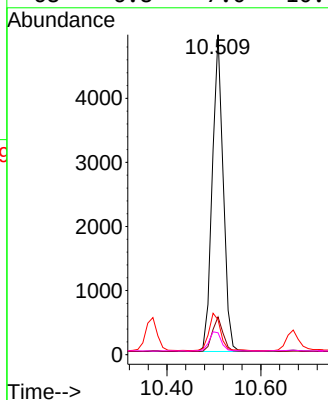
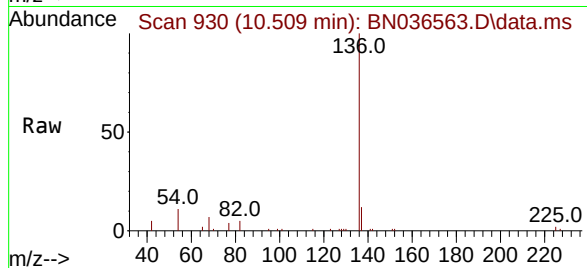




#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.509 min Scan# 91
Delta R.T. 0.000 min
Lab File: BN036563.D
Acq: 10 Mar 2025 15:19

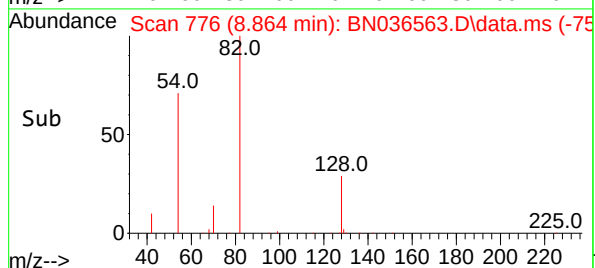
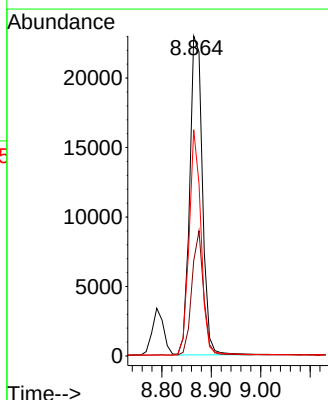
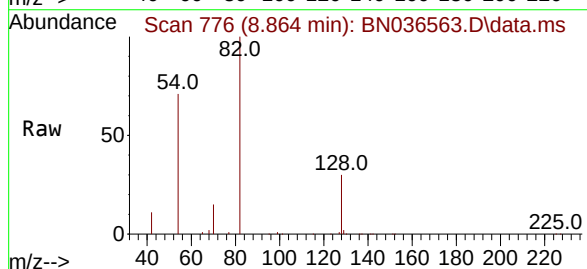
Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

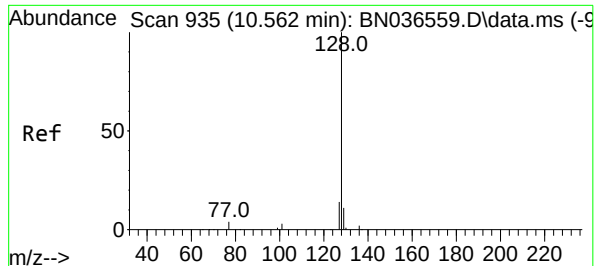
Tgt Ion:	136	Resp:	7995
Ion	Ratio	Lower	Upper
136	100		
137	11.8	10.3	15.5
54	10.9	11.5	17.3#
68	6.8	7.0	10.4#



#8
Nitrobenzene-d5
Concen: 4.719 ng
RT: 8.864 min Scan# 776
Delta R.T. -0.011 min
Lab File: BN036563.D
Acq: 10 Mar 2025 15:19

Tgt Ion:	82	Resp:	41042
Ion	Ratio	Lower	Upper
82	100		
128	29.7	30.6	45.8#
54	70.7	52.2	78.4

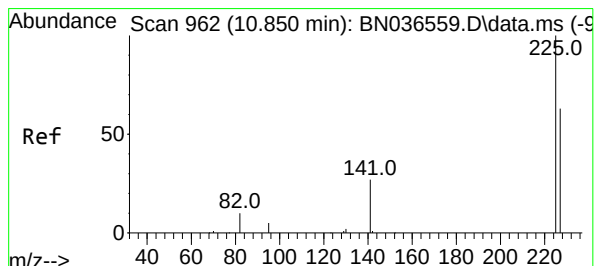
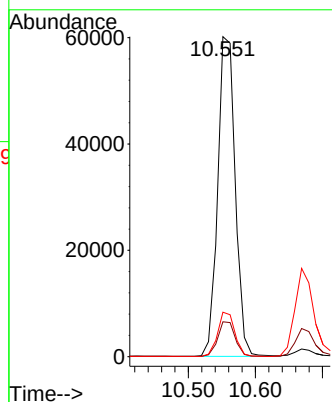
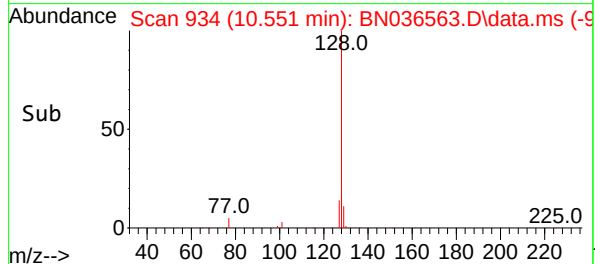
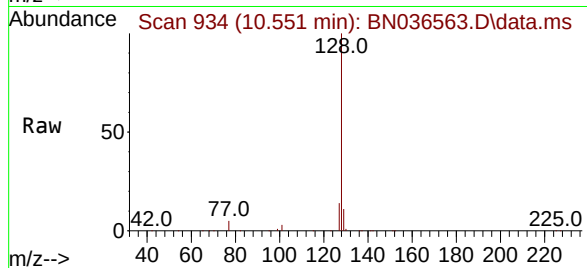




#9
Naphthalene
Concen: 4.647 ng
RT: 10.551 min Scan# 91
Delta R.T. -0.011 min
Lab File: BN036563.D
Acq: 10 Mar 2025 15:19

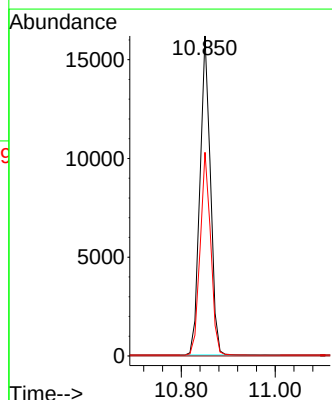
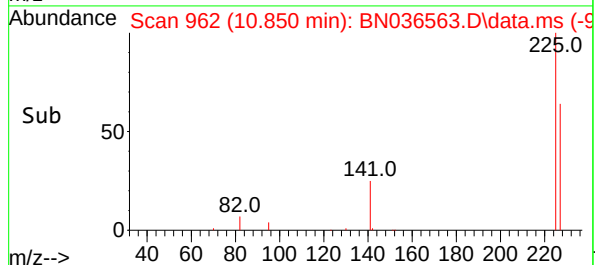
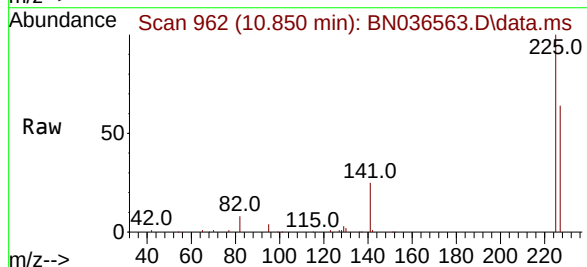
Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

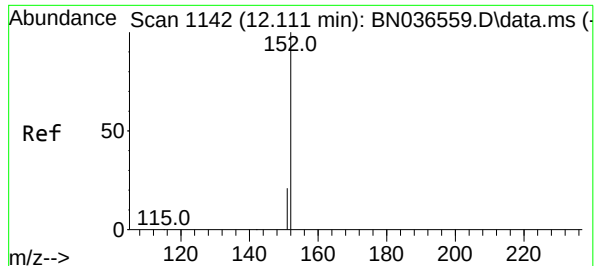
Tgt Ion:128 Resp: 109289
Ion Ratio Lower Upper
128 100
129 10.9 9.8 14.6
127 13.9 11.8 17.8



#10
Hexachlorobutadiene
Concen: 4.535 ng
RT: 10.850 min Scan# 962
Delta R.T. -0.000 min
Lab File: BN036563.D
Acq: 10 Mar 2025 15:19

Tgt Ion:225 Resp: 25105
Ion Ratio Lower Upper
225 100
223 0.0 0.0 0.0
227 63.7 51.8 77.8

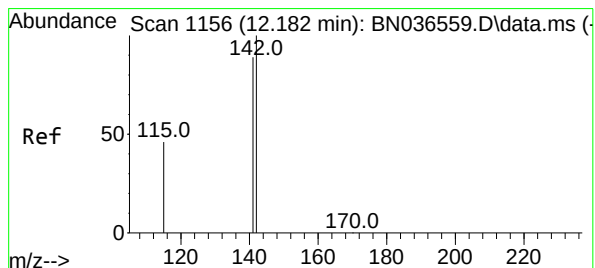
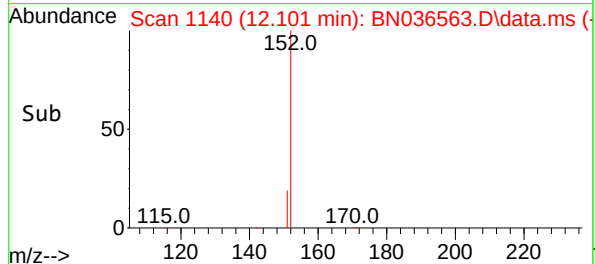
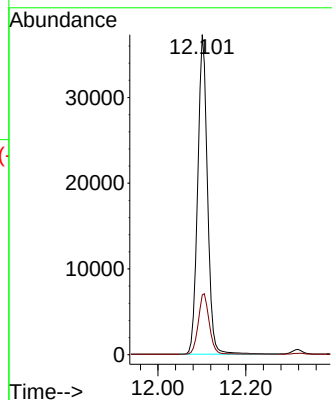
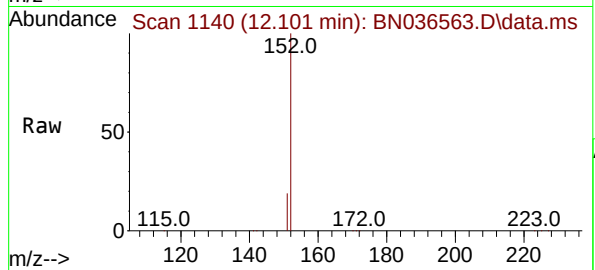




#11
2-Methylnaphthalene-d10
Concen: 4.881 ng
RT: 12.101 min Scan# 1142
Delta R.T. -0.010 min
Lab File: BN036563.D
Acq: 10 Mar 2025 15:19

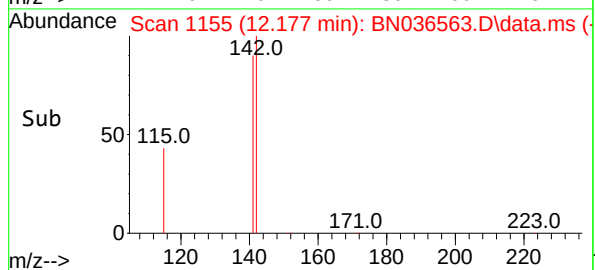
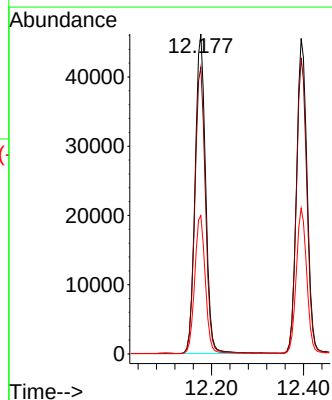
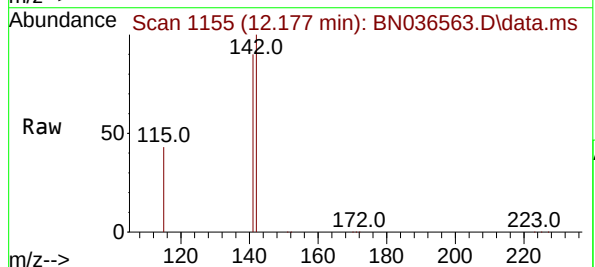
Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

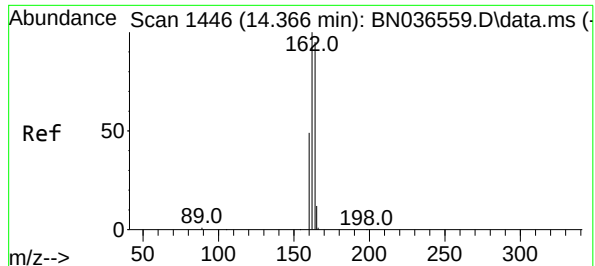
Tgt Ion:152 Resp: 58048
Ion Ratio Lower Upper
152 100
151 21.2 17.0 25.6



#12
2-Methylnaphthalene
Concen: 4.879 ng
RT: 12.177 min Scan# 1155
Delta R.T. -0.005 min
Lab File: BN036563.D
Acq: 10 Mar 2025 15:19

Tgt Ion:142 Resp: 73010
Ion Ratio Lower Upper
142 100
141 89.6 71.7 107.5
115 43.2 38.3 57.5

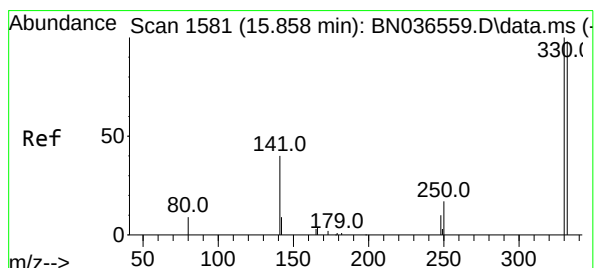
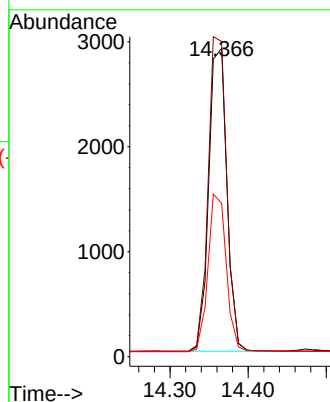
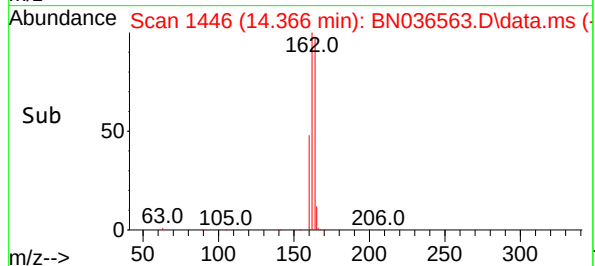
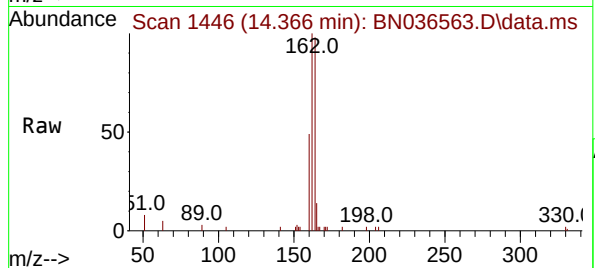




#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.366 min Scan# 1446
Delta R.T. -0.000 min
Lab File: BN036563.D
Acq: 10 Mar 2025 15:19

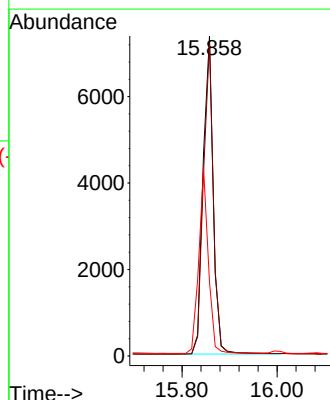
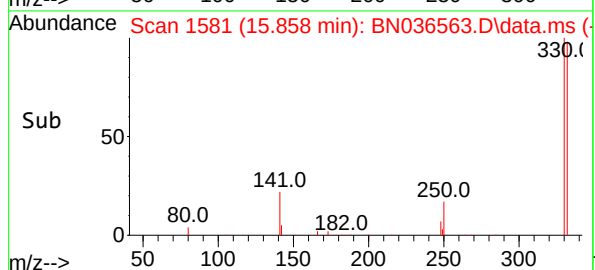
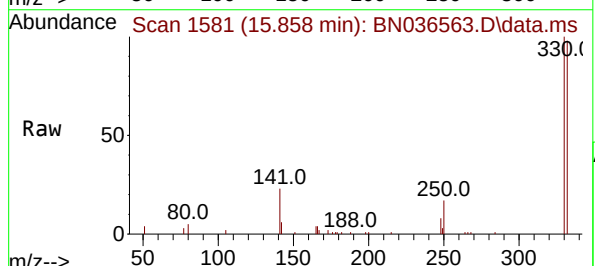
Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

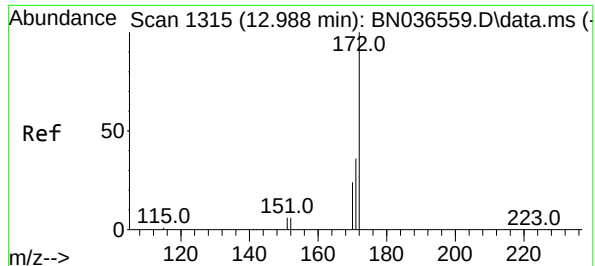
Tgt Ion:164 Resp: 4664
Ion Ratio Lower Upper
164 100
162 102.2 84.2 126.2
160 49.7 42.2 63.2



#14
2,4,6-Tribromophenol
Concen: 5.181 ng
RT: 15.858 min Scan# 1581
Delta R.T. 0.000 min
Lab File: BN036563.D
Acq: 10 Mar 2025 15:19

Tgt Ion:330 Resp: 10964
Ion Ratio Lower Upper
330 100
332 95.9 75.2 112.8
141 54.7 43.4 65.2

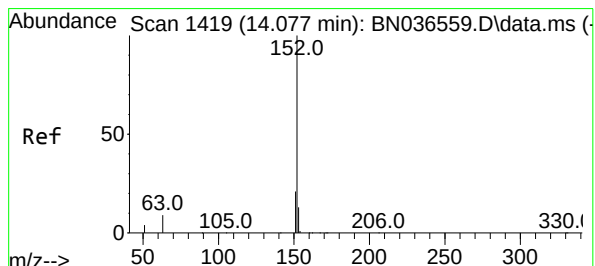
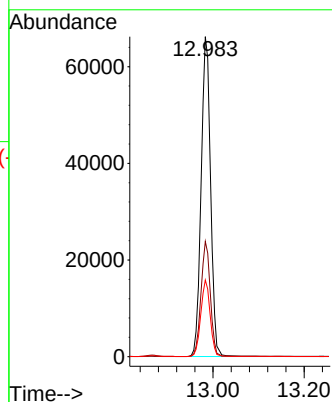
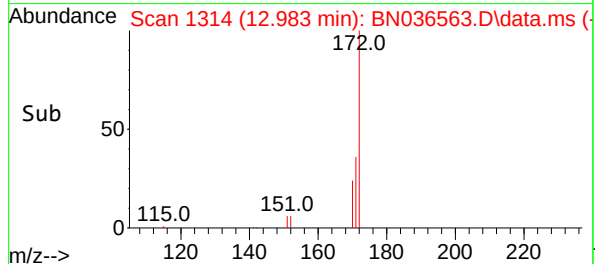
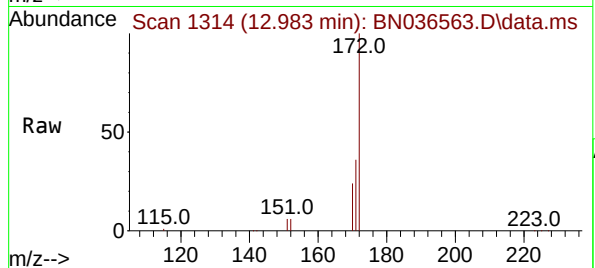




#15
2-Fluorobiphenyl
Concen: 5.199 ng
RT: 12.983 min Scan# 1314
Delta R.T. -0.005 min
Lab File: BN036563.D
Acq: 10 Mar 2025 15:19

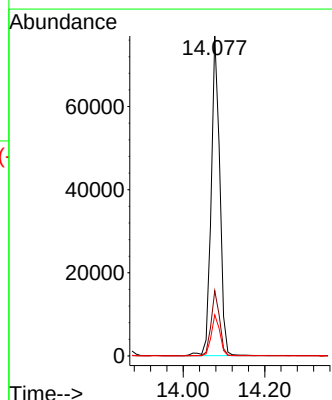
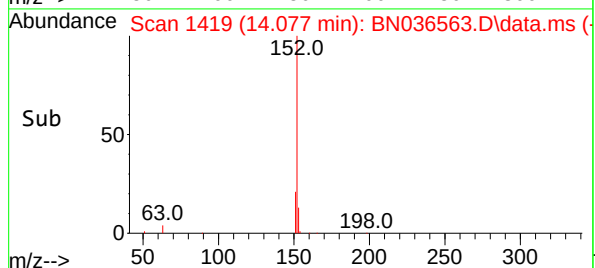
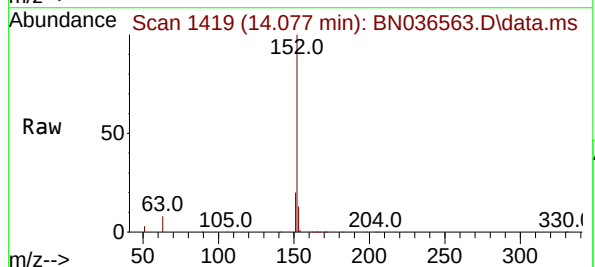
Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

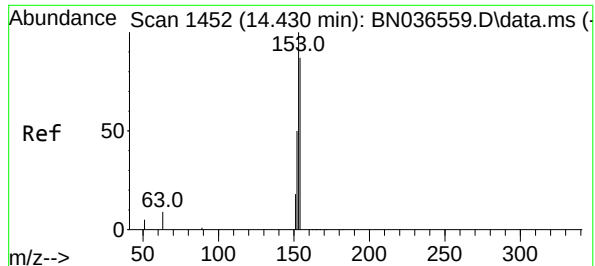
Tgt Ion:172 Resp: 141052
Ion Ratio Lower Upper
172 100
171 36.0 29.5 44.3
170 24.0 20.2 30.4



#16
Acenaphthylene
Concen: 5.125 ng
RT: 14.077 min Scan# 1419
Delta R.T. -0.000 min
Lab File: BN036563.D
Acq: 10 Mar 2025 15:19

Tgt Ion:152 Resp: 112792
Ion Ratio Lower Upper
152 100
151 20.0 16.2 24.4
153 12.8 10.6 15.8

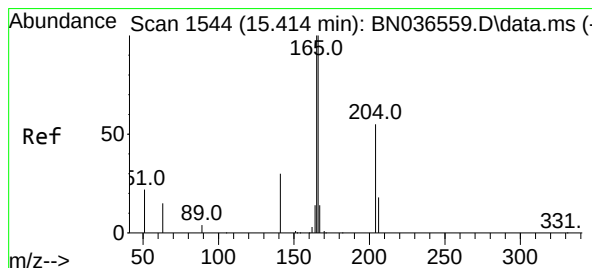
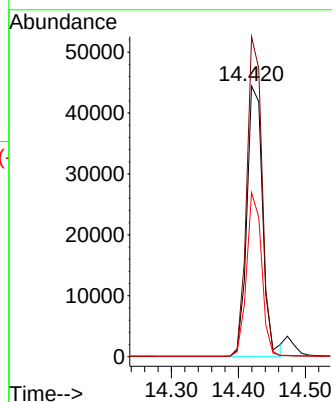
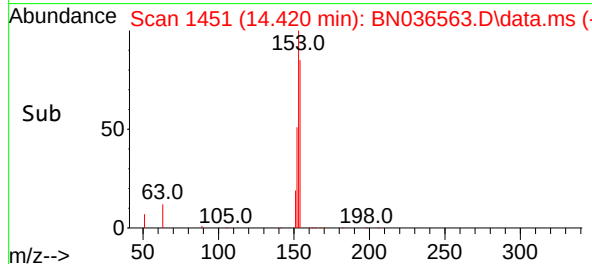
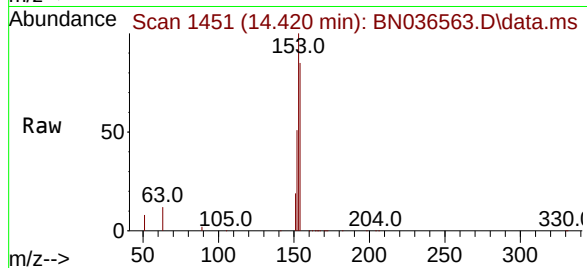




#17
Acenaphthene
Concen: 5.028 ng
RT: 14.420 min Scan# 1451
Delta R.T. -0.011 min
Lab File: BN036563.D
Acq: 10 Mar 2025 15:19

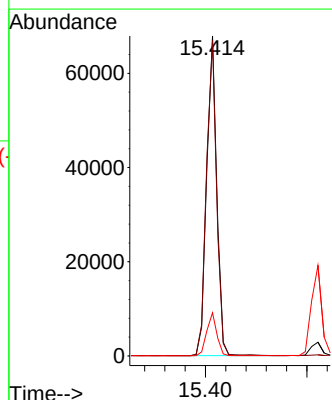
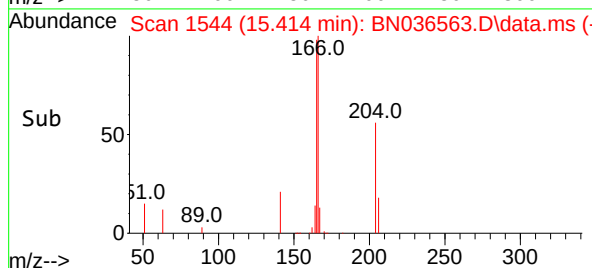
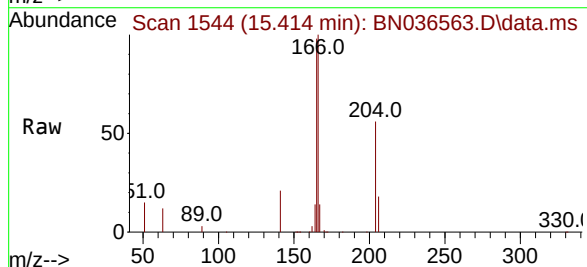
Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

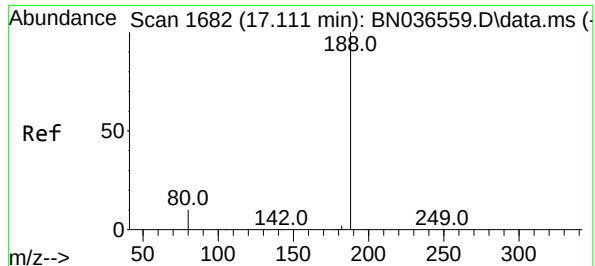
Tgt Ion:154 Resp: 72446
Ion Ratio Lower Upper
154 100
153 114.1 94.1 141.1
152 57.7 49.8 74.6



#18
Fluorene
Concen: 4.937 ng
RT: 15.414 min Scan# 1544
Delta R.T. -0.000 min
Lab File: BN036563.D
Acq: 10 Mar 2025 15:19

Tgt Ion:166 Resp: 96215
Ion Ratio Lower Upper
166 100
165 96.5 79.8 119.8
167 13.0 10.6 15.8





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 17.111 min Scan# 1

Delta R.T. 0.000 min

Lab File: BN036563.D

Acq: 10 Mar 2025 15:19

Instrument :

BNA_N

ClientSampleId :

SSTDICC5.0

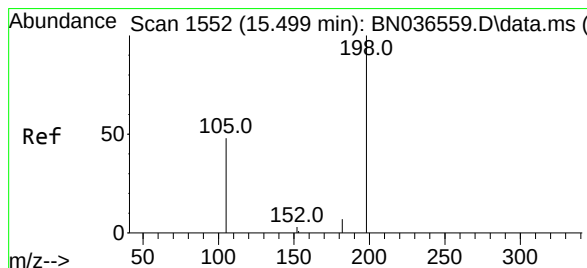
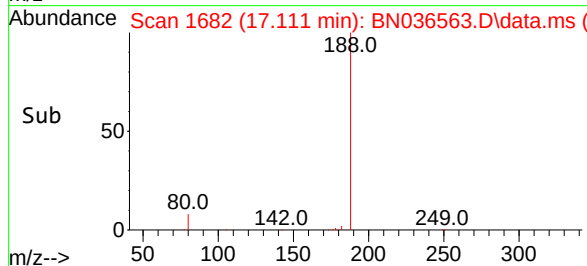
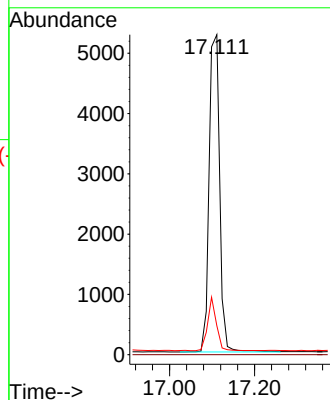
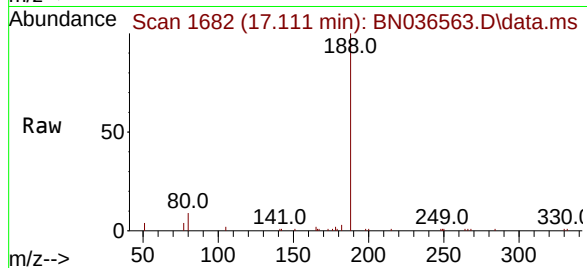
Tgt Ion:188 Resp: 9061

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

80 9.1 8.8 13.2



#20

4,6-Dinitro-2-methylphenol

Concen: 4.968 ng

RT: 15.489 min Scan# 1551

Delta R.T. -0.010 min

Lab File: BN036563.D

Acq: 10 Mar 2025 15:19

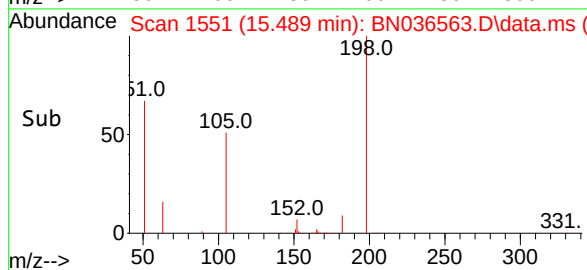
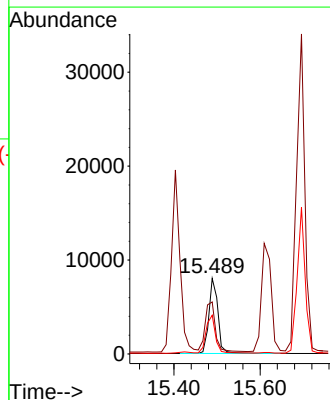
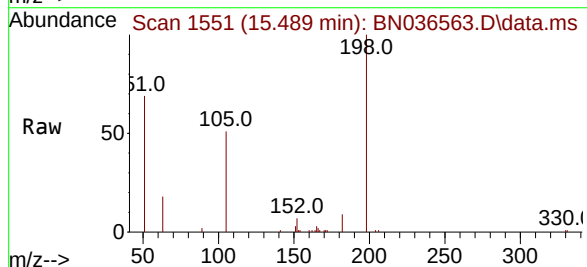
Tgt Ion:198 Resp: 12627

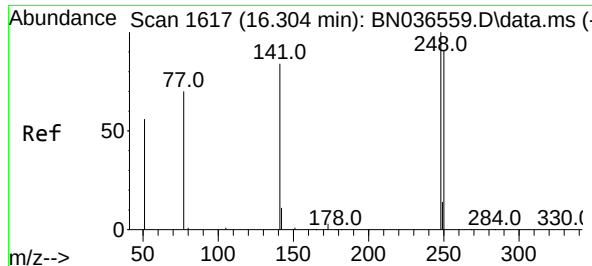
Ion Ratio Lower Upper

198 100

51 68.9 107.9 161.9#

105 51.3 56.2 84.2#

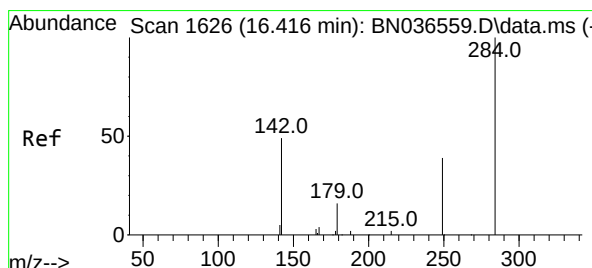
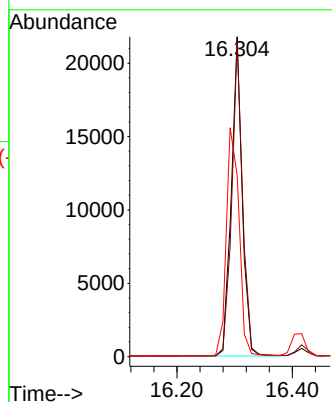
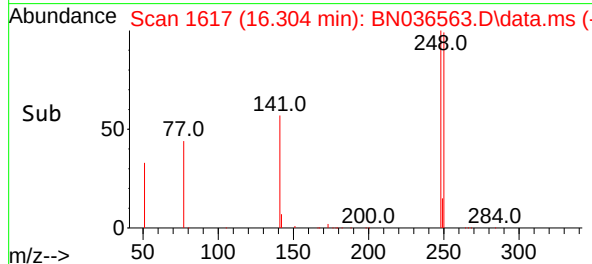
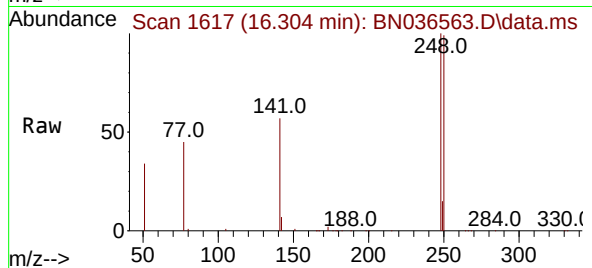




#21
4-Bromophenyl-phenylether
Concen: 5.048 ng
RT: 16.304 min Scan# 1617
Delta R.T. 0.000 min
Lab File: BN036563.D
Acq: 10 Mar 2025 15:19

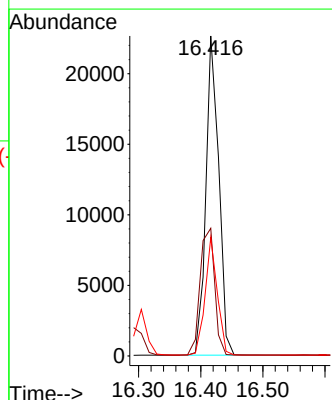
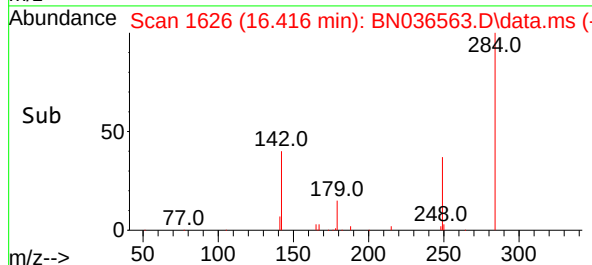
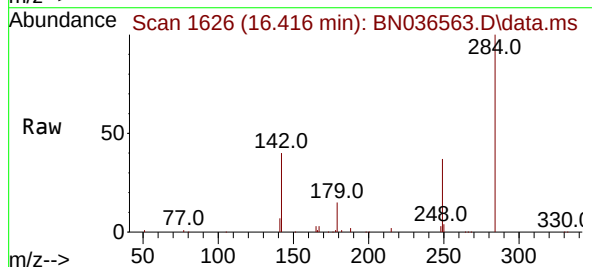
Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

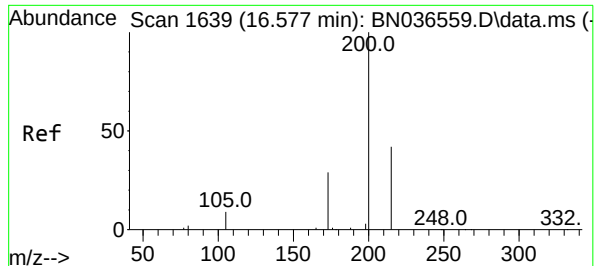
Tgt Ion	Ratio	Lower	Upper
248	100		
250	98.6	73.0	109.6
141	56.7	68.6	103.0



#22
Hexachlorobenzene
Concen: 4.770 ng
RT: 16.416 min Scan# 1626
Delta R.T. -0.000 min
Lab File: BN036563.D
Acq: 10 Mar 2025 15:19

Tgt Ion	Ratio	Lower	Upper
284	100		
142	45.1	37.0	55.4
249	35.1	28.1	42.1





#23

Atrazine

Concen: 4.988 ng

RT: 16.577 min Scan# 1639

Delta R.T. 0.000 min

Lab File: BN036563.D

Acq: 10 Mar 2025 15:19

Instrument :

BNA_N

ClientSampleId :

SSTDICC5.0

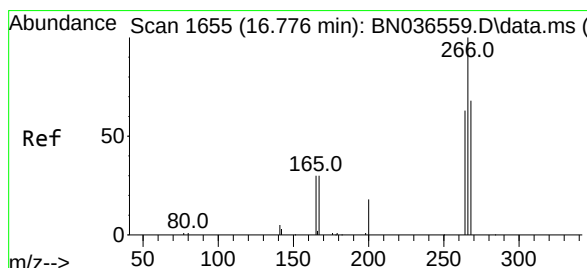
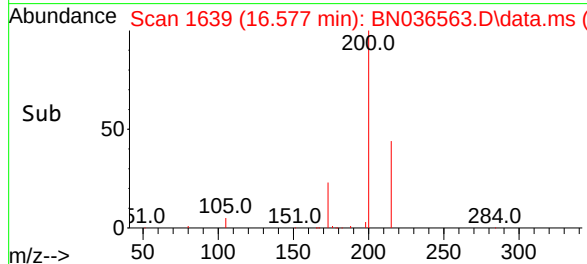
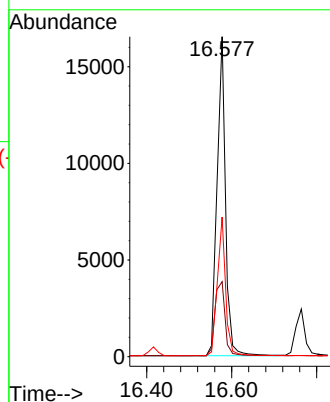
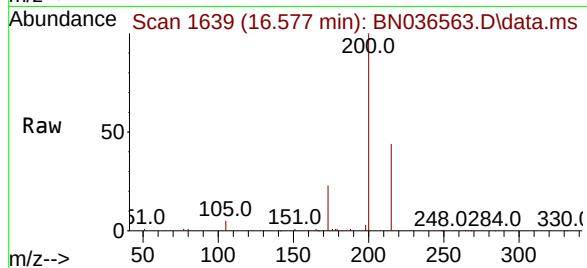
Tgt Ion:200 Resp: 22705

Ion Ratio Lower Upper

200 100

173 23.4 27.3 40.9#

215 43.7 36.8 55.2



#24

Pentachlorophenol

Concen: 5.634 ng

RT: 16.764 min Scan# 1654

Delta R.T. -0.012 min

Lab File: BN036563.D

Acq: 10 Mar 2025 15:19

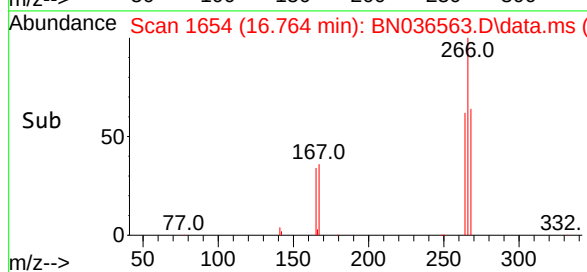
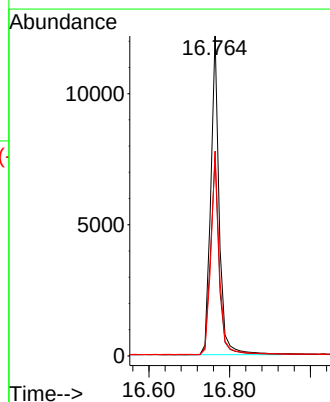
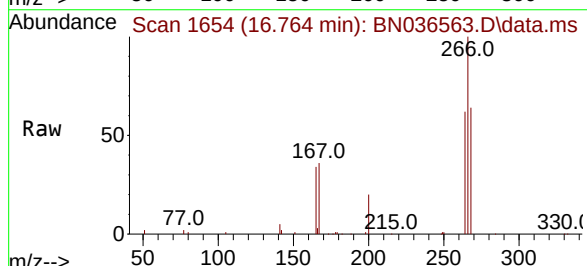
Tgt Ion:266 Resp: 17612

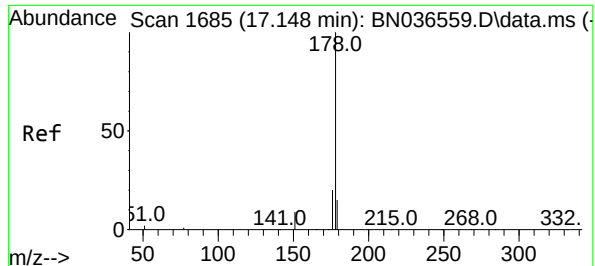
Ion Ratio Lower Upper

266 100

264 63.1 49.6 74.4

268 63.7 50.9 76.3

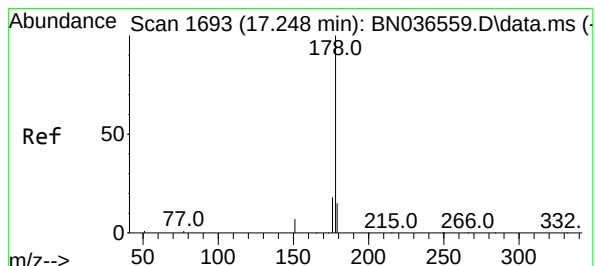
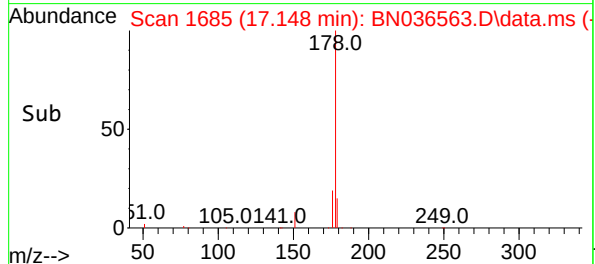
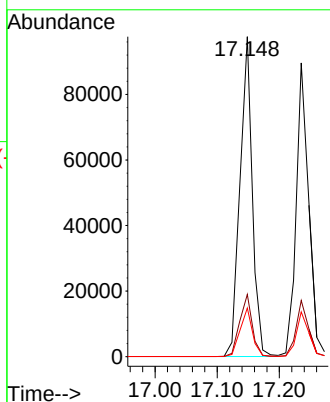
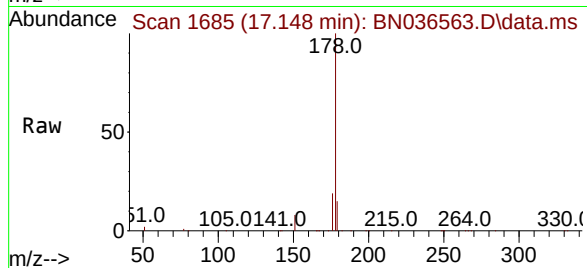




#25
Phenanthrene
Concen: 4.979 ng
RT: 17.148 min Scan# 1685
Delta R.T. 0.000 min
Lab File: BN036563.D
Acq: 10 Mar 2025 15:19

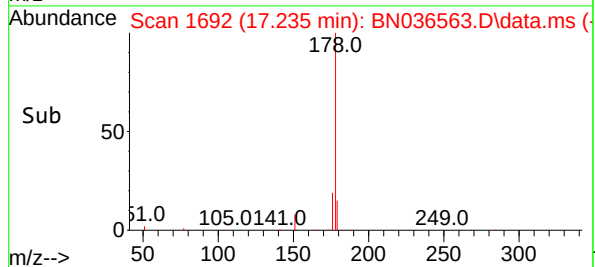
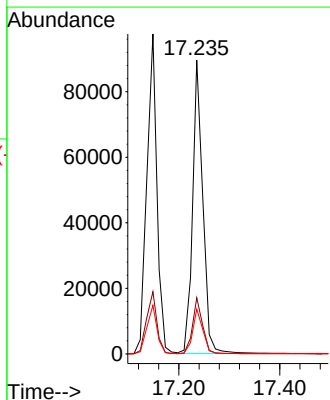
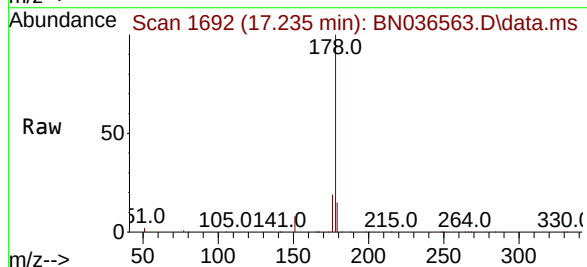
Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

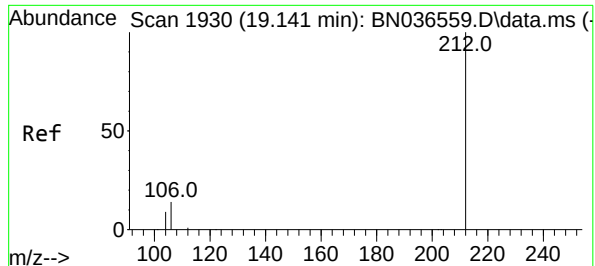
Tgt Ion:178 Resp: 135347
Ion Ratio Lower Upper
178 100
176 19.7 15.9 23.9
179 15.2 12.2 18.4



#26
Anthracene
Concen: 5.135 ng
RT: 17.235 min Scan# 1692
Delta R.T. -0.012 min
Lab File: BN036563.D
Acq: 10 Mar 2025 15:19

Tgt Ion:178 Resp: 125954
Ion Ratio Lower Upper
178 100
176 19.0 15.4 23.2
179 15.2 12.6 18.8





#27

Fluoranthene-d10

Concen: 4.879 ng

RT: 19.141 min Scan# 1930

Delta R.T. 0.000 min

Lab File: BN036563.D

Acq: 10 Mar 2025 15:19

Instrument :

BNA_N

ClientSampleId :

SSTDICC5.0

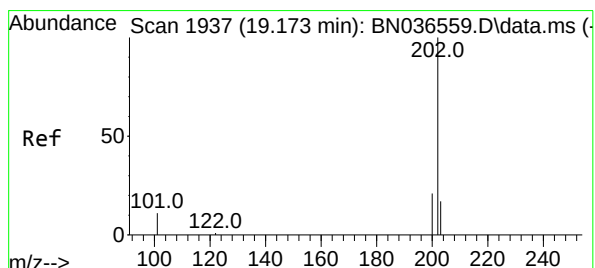
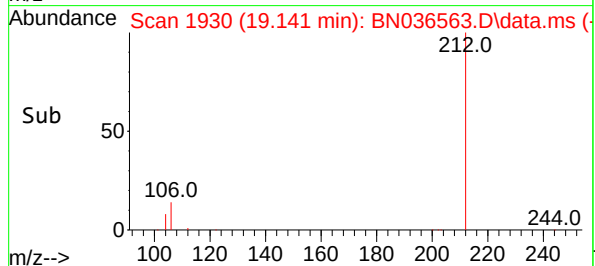
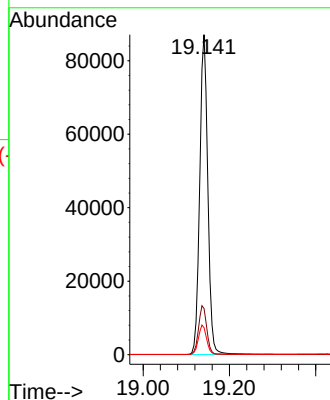
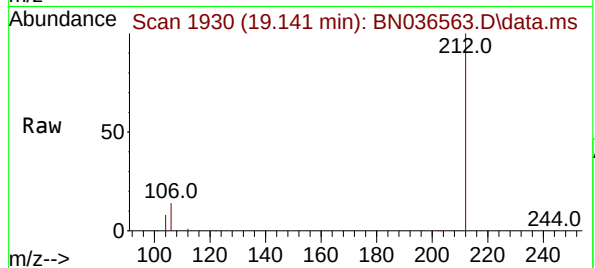
Tgt Ion:212 Resp: 113317

Ion Ratio Lower Upper

212 100

106 15.5 11.8 17.6

104 9.2 7.3 10.9



#28

Fluoranthene

Concen: 4.883 ng

RT: 19.169 min Scan# 1936

Delta R.T. -0.005 min

Lab File: BN036563.D

Acq: 10 Mar 2025 15:19

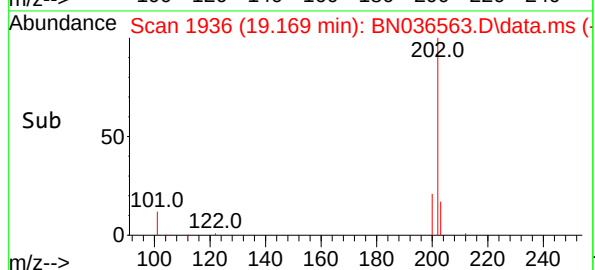
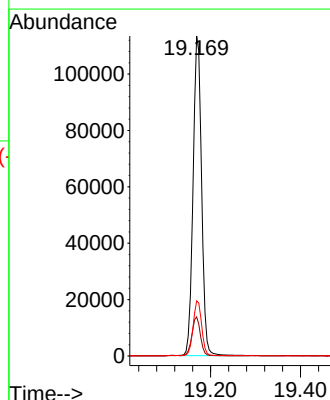
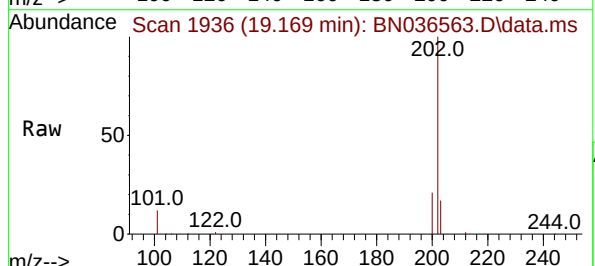
Tgt Ion:202 Resp: 149107

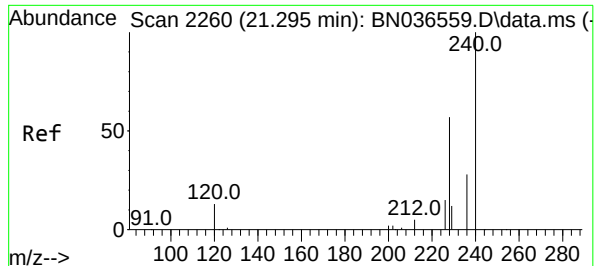
Ion Ratio Lower Upper

202 100

101 12.3 9.4 14.0

203 17.3 13.5 20.3





#29

Chrysene-d12

Concen: 0.400 ng

RT: 21.295 min Scan# 21

Delta R.T. 0.000 min

Lab File: BN036563.D

Acq: 10 Mar 2025 15:19

Instrument :

BNA_N

ClientSampleId :

SSTDICC5.0

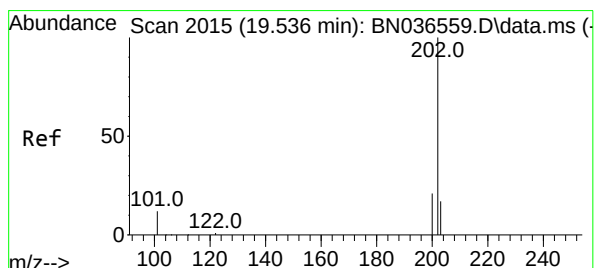
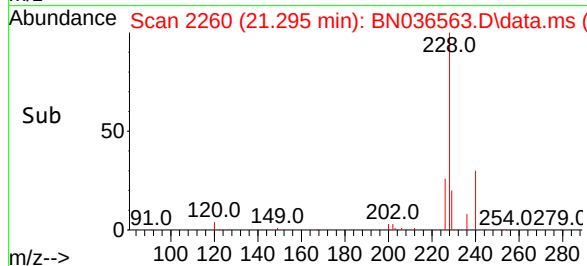
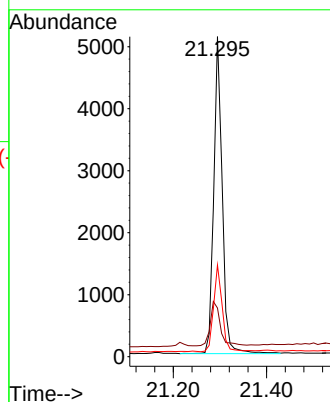
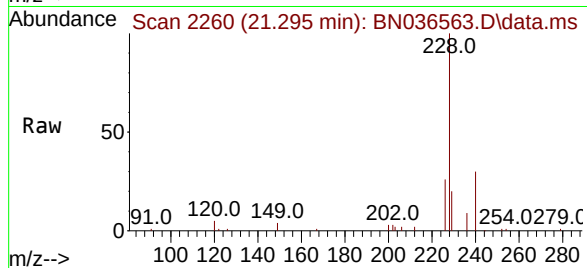
Tgt Ion:240 Resp: 6472

Ion Ratio Lower Upper

240 100

120 15.2 14.6 22.0

236 28.7 24.1 36.1



#30

Pyrene

Concen: 4.695 ng

RT: 19.536 min Scan# 2015

Delta R.T. 0.000 min

Lab File: BN036563.D

Acq: 10 Mar 2025 15:19

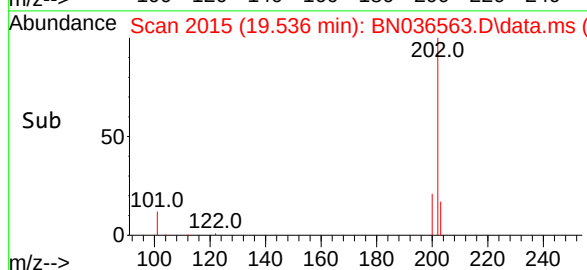
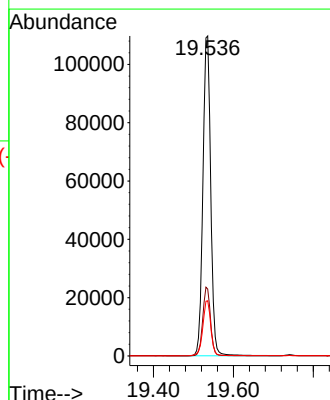
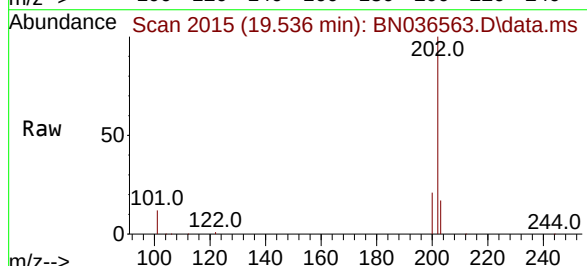
Tgt Ion:202 Resp: 148584

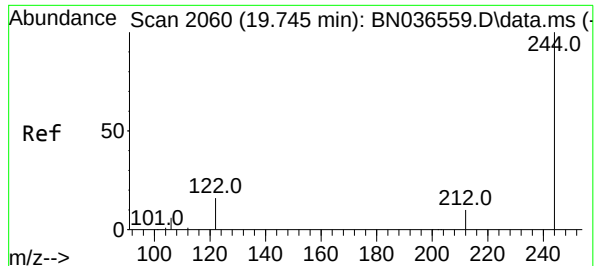
Ion Ratio Lower Upper

202 100

200 21.4 17.1 25.7

203 17.7 14.1 21.1

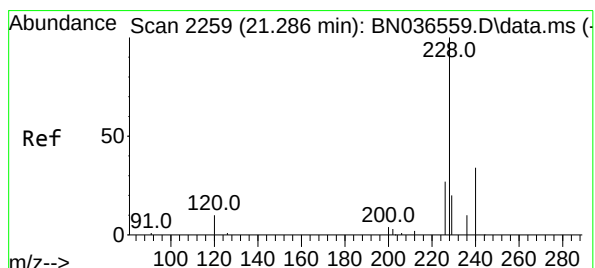
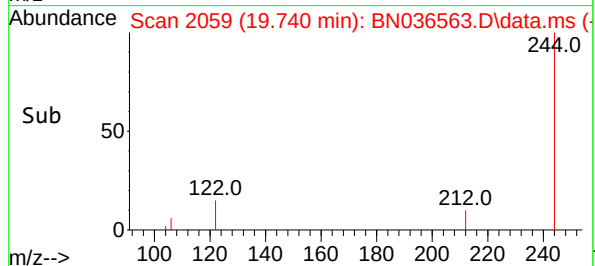
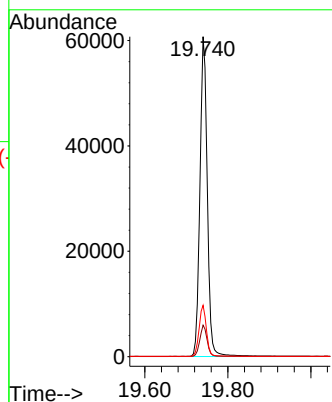
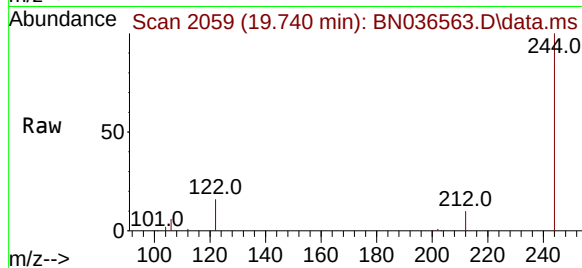




#31
Terphenyl-d14
Concen: 4.832 ng
RT: 19.740 min Scan# 2060
Delta R.T. -0.005 min
Lab File: BN036563.D
Acq: 10 Mar 2025 15:19

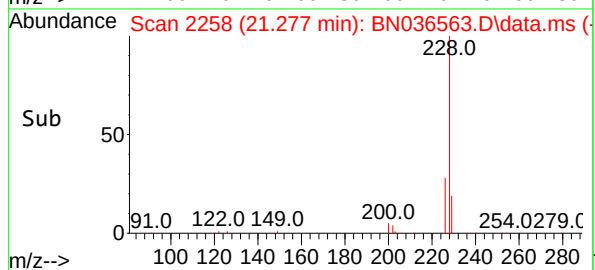
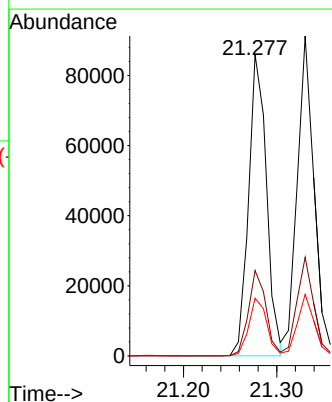
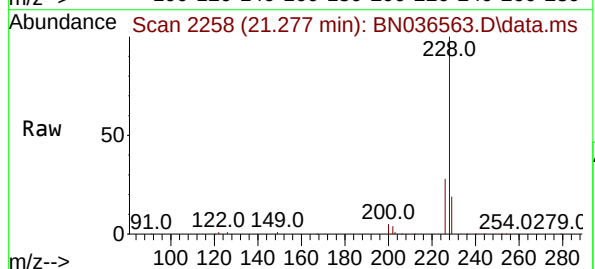
Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

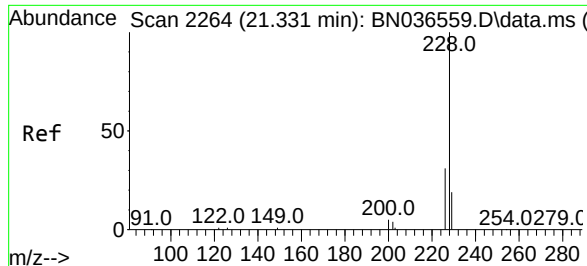
Tgt Ion:244 Resp: 74923
Ion Ratio Lower Upper
244 100
212 9.9 9.6 14.4
122 16.1 13.9 20.9



#32
Benzo(a)anthracene
Concen: 5.087 ng
RT: 21.277 min Scan# 2258
Delta R.T. -0.009 min
Lab File: BN036563.D
Acq: 10 Mar 2025 15:19

Tgt Ion:228 Resp: 114481
Ion Ratio Lower Upper
228 100
226 28.3 22.5 33.7
229 19.2 16.6 25.0





#33

Chrysene

Concen: 4.764 ng

RT: 21.331 min Scan# 21

Delta R.T. -0.000 min

Lab File: BN036563.D

Acq: 10 Mar 2025 15:19

Instrument :

BNA_N

ClientSampleId :

SSTDICC5.0

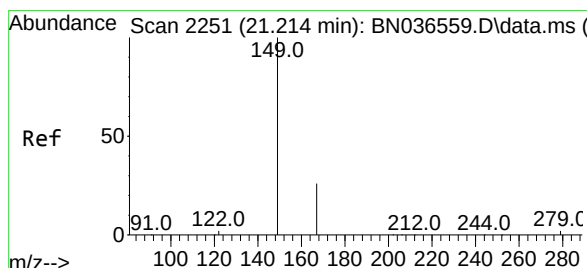
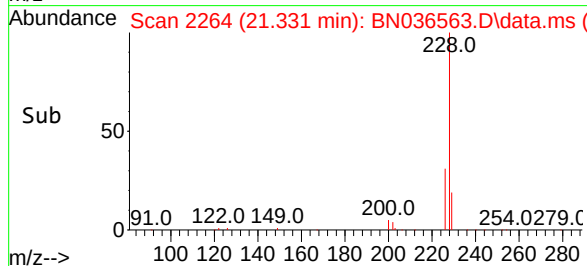
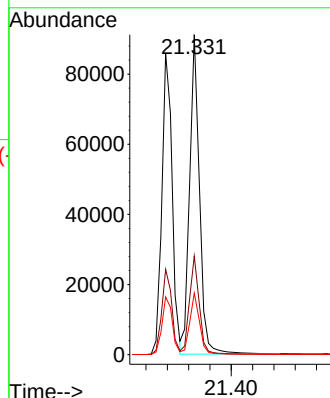
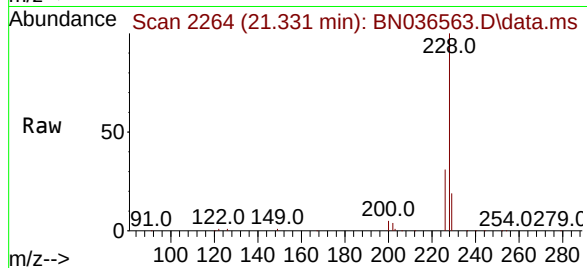
Tgt Ion:228 Resp: 117149

Ion Ratio Lower Upper

228 100

226 30.9 25.3 37.9

229 19.3 15.8 23.8



#34

Bis(2-ethylhexyl)phthalate

Concen: 4.390 ng

RT: 21.214 min Scan# 2251

Delta R.T. -0.000 min

Lab File: BN036563.D

Acq: 10 Mar 2025 15:19

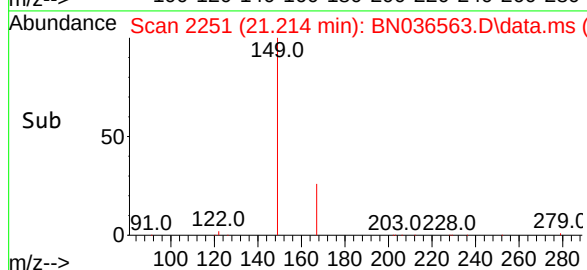
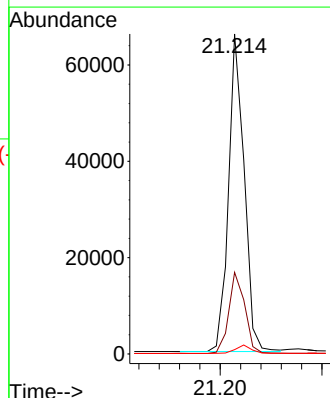
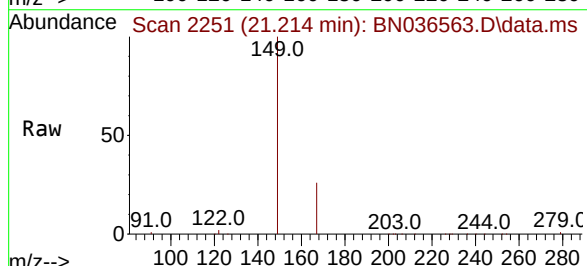
Tgt Ion:149 Resp: 70345

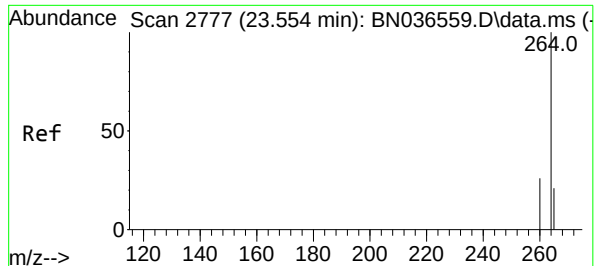
Ion Ratio Lower Upper

149 100

167 26.2 20.7 31.1

279 2.6 3.6 5.4#





#35

Perylene-d12

Concen: 0.400 ng

RT: 23.551 min Scan# 21

Delta R.T. -0.003 min

Lab File: BN036563.D

Acq: 10 Mar 2025 15:19

Instrument :

BNA_N

ClientSampleId :

SSTDICC5.0

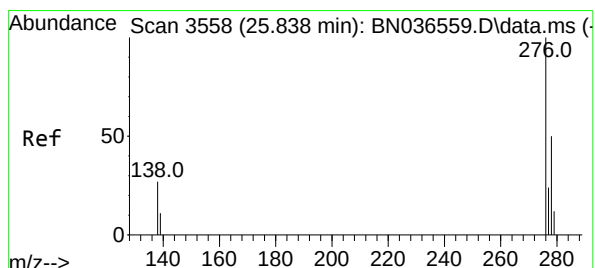
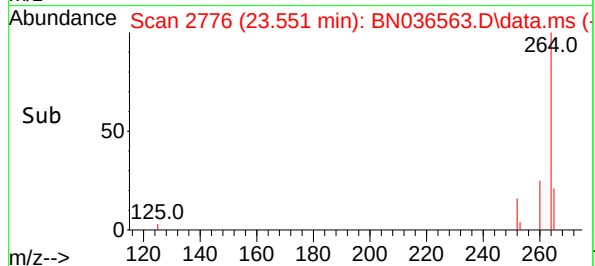
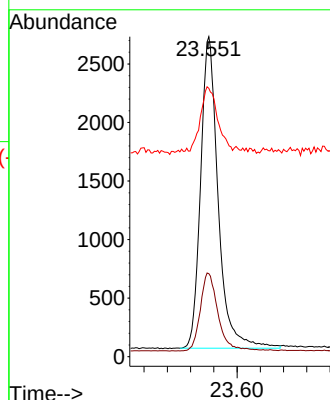
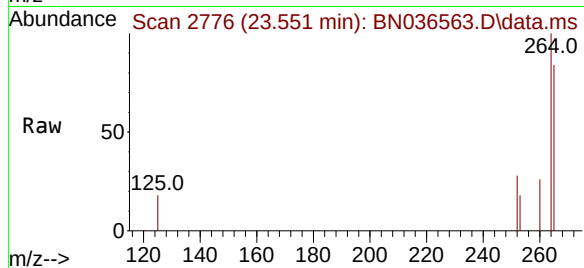
Tgt Ion:264 Resp: 5580

Ion Ratio Lower Upper

264 100

260 25.9 22.6 33.8

265 83.8 88.1 132.1#



#36

Indeno(1,2,3-cd)pyrene

Concen: 5.440 ng

RT: 25.835 min Scan# 3557

Delta R.T. -0.003 min

Lab File: BN036563.D

Acq: 10 Mar 2025 15:19

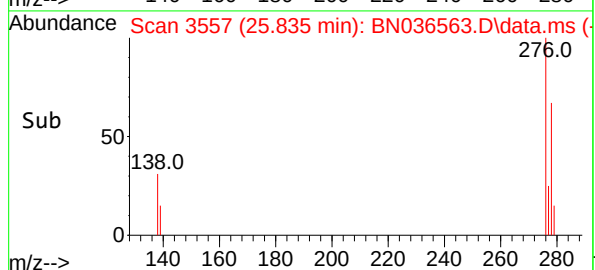
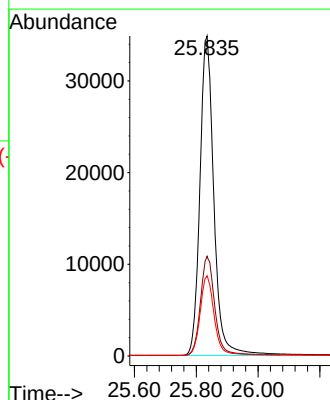
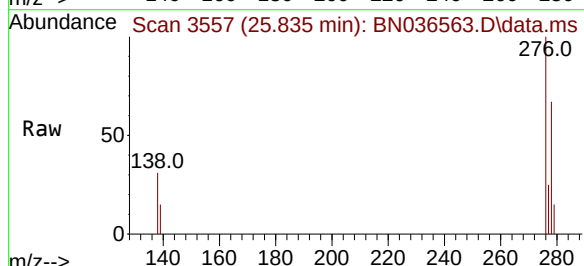
Tgt Ion:276 Resp: 109561

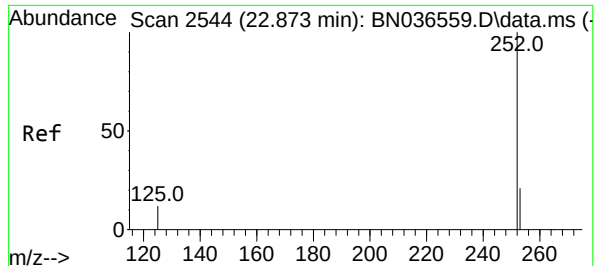
Ion Ratio Lower Upper

276 100

138 31.6 23.4 35.2

277 24.9 20.0 30.0





#37

Benzo(b)fluoranthene

Concen: 5.146 ng

RT: 22.873 min Scan# 2544

Delta R.T. -0.000 min

Lab File: BN036563.D

Acq: 10 Mar 2025 15:19

Instrument :

BNA_N

ClientSampleId :

SSTDICC5.0

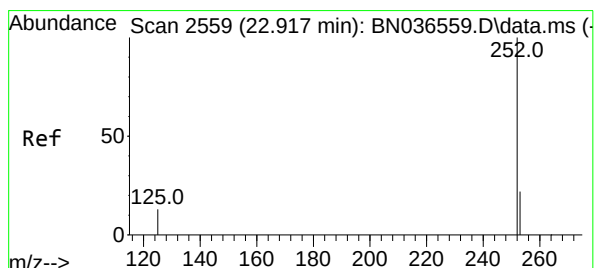
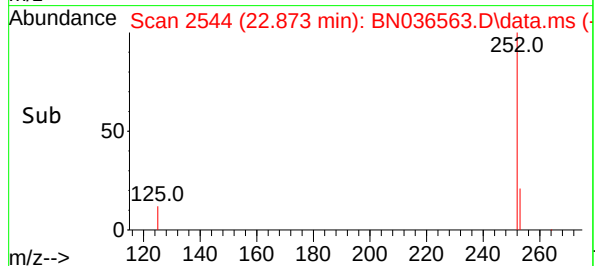
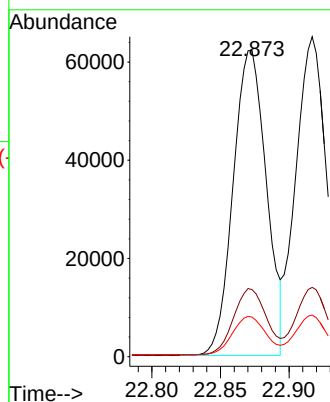
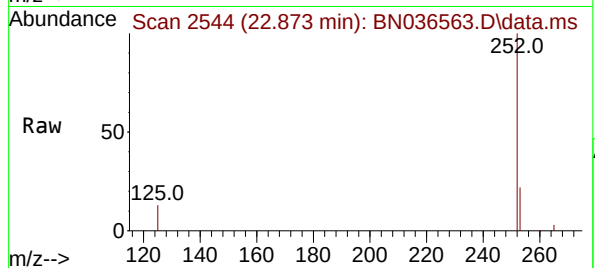
Tgt Ion:252 Resp: 104498

Ion Ratio Lower Upper

252 100

253 21.9 23.9 35.9#

125 12.9 17.4 26.2#



#38

Benzo(k)fluoranthene

Concen: 5.022 ng

RT: 22.917 min Scan# 2559

Delta R.T. 0.000 min

Lab File: BN036563.D

Acq: 10 Mar 2025 15:19

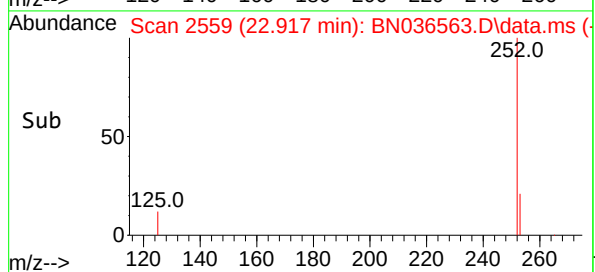
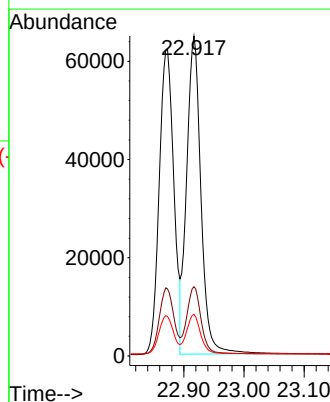
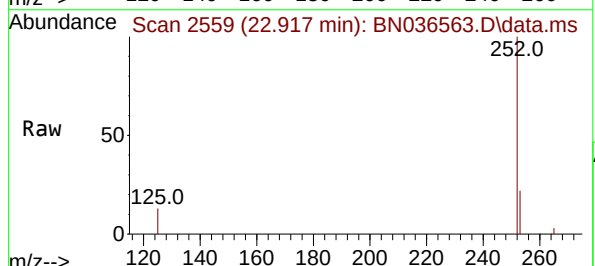
Tgt Ion:252 Resp: 106995

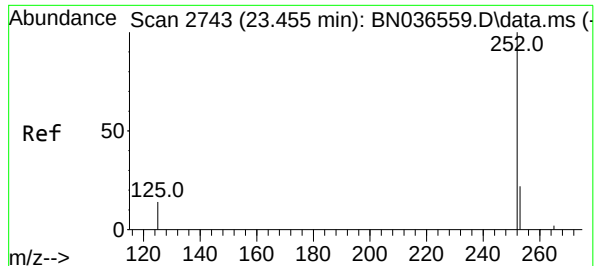
Ion Ratio Lower Upper

252 100

253 21.6 24.6 36.8#

125 13.0 17.8 26.8#





#39

Benzo(a)pyrene

Concen: 5.170 ng

RT: 23.452 min Scan# 21

Delta R.T. -0.003 min

Lab File: BN036563.D

Acq: 10 Mar 2025 15:19

Instrument :

BNA_N

ClientSampleId :

SSTDICC5.0

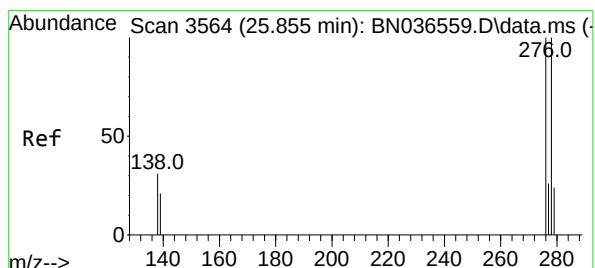
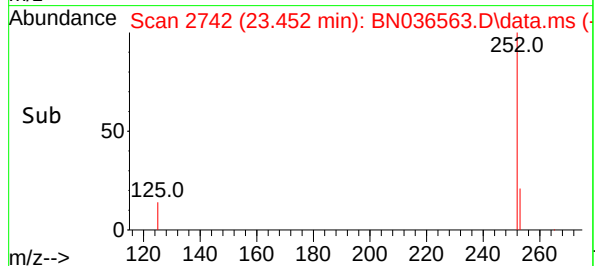
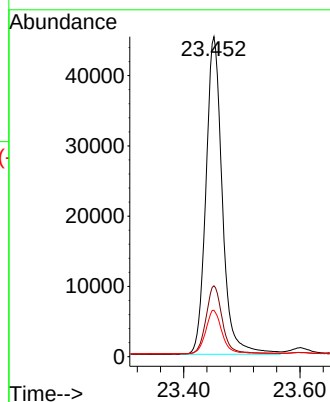
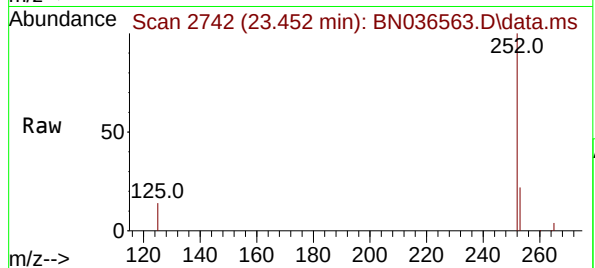
Tgt Ion:252 Resp: 88413

Ion Ratio Lower Upper

252 100

253 22.2 27.8 41.8#

125 14.5 22.7 34.1#



#40

Dibenzo(a,h)anthracene

Concen: 5.568 ng

RT: 25.846 min Scan# 3561

Delta R.T. -0.009 min

Lab File: BN036563.D

Acq: 10 Mar 2025 15:19

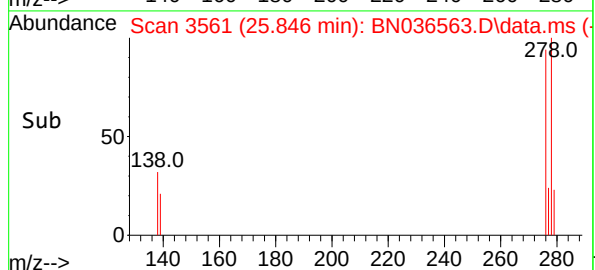
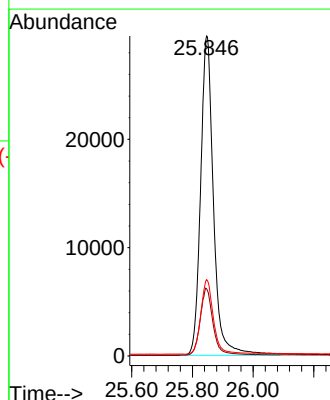
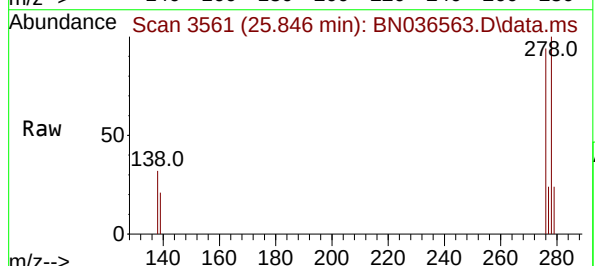
Tgt Ion:278 Resp: 87308

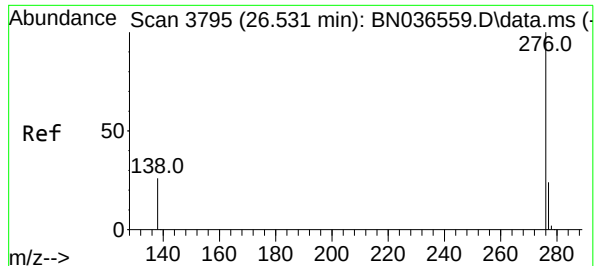
Ion Ratio Lower Upper

278 100

139 21.0 20.8 31.2

279 23.9 28.8 43.2#





#41

Benzo(g,h,i)perylene

Concen: 5.189 ng

RT: 26.531 min Scan# 31

Delta R.T. -0.000 min

Lab File: BN036563.D

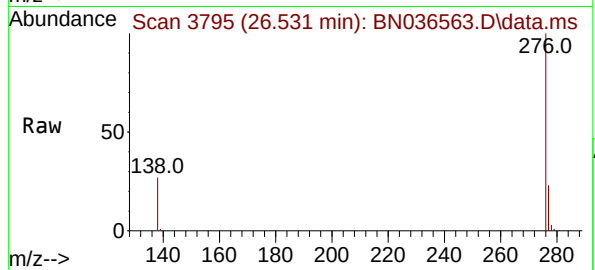
Acq: 10 Mar 2025 15:19

Instrument :

BNA_N

ClientSampleId :

SSTDICC5.0



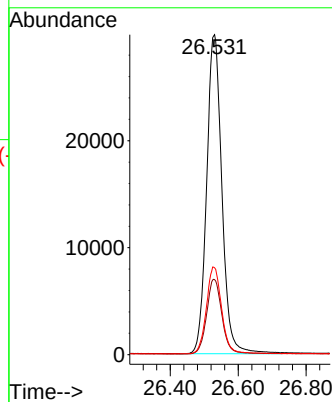
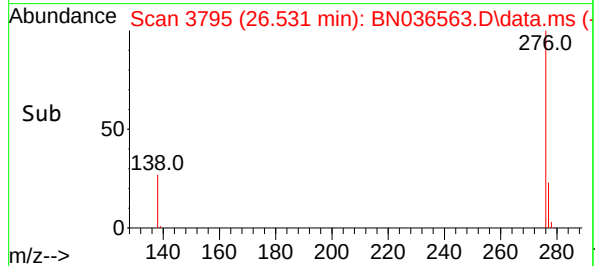
Tgt Ion:276 Resp: 93067

Ion Ratio Lower Upper

276 100

277 23.4 22.2 33.4

138 27.1 24.1 36.1



Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN031025\
 Data File : BN036564.D
 Acq On : 10 Mar 2025 16:38
 Operator : RC/JU
 Sample : SSTDICV0.4
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 ICVBN031025

Quant Time: Mar 10 17:10:04 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN031025.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Mar 10 16:06:28 2025
 Response via : Initial Calibration

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

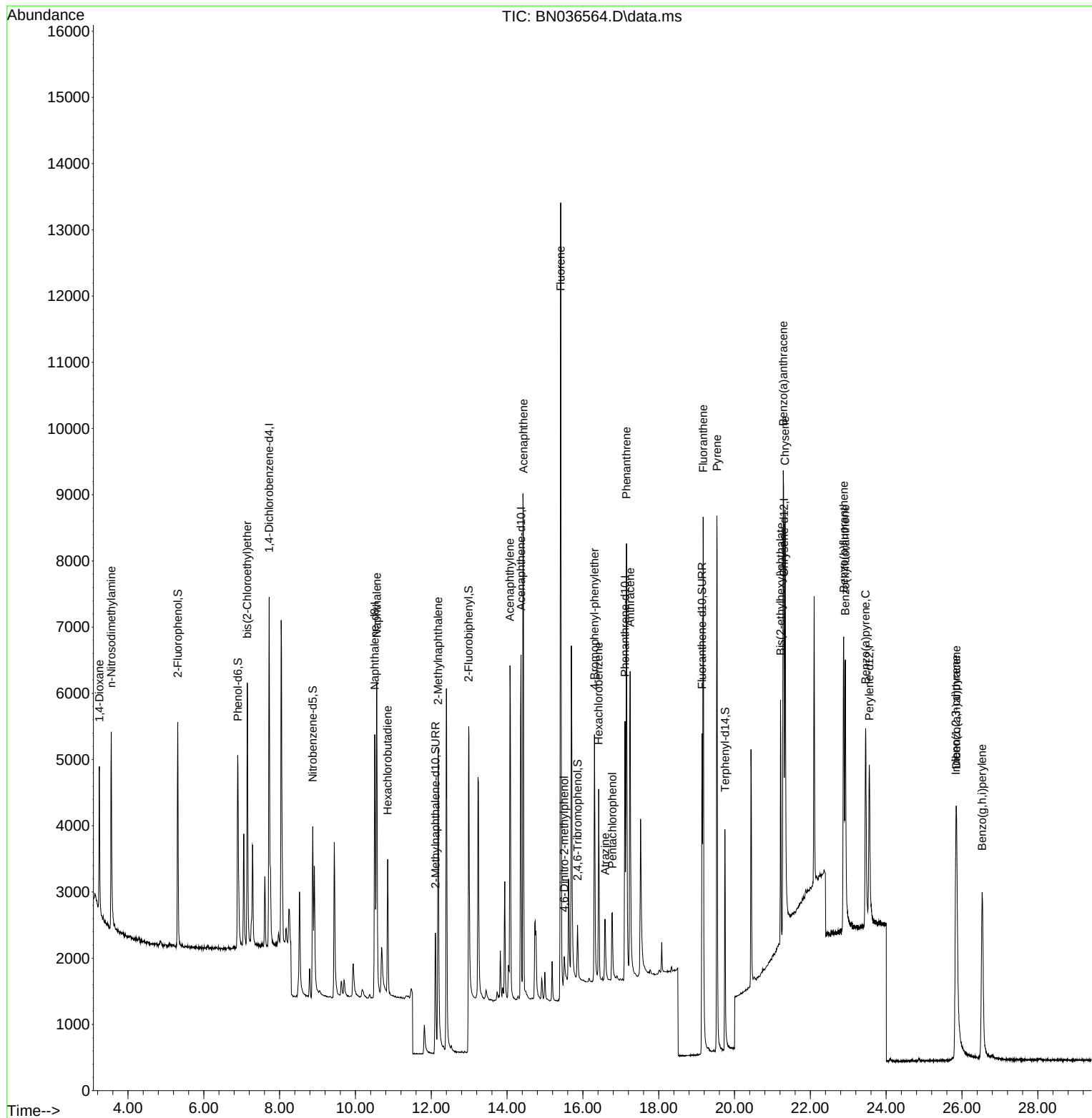
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.724	152	2488	0.400	ng	0.00
7) Naphthalene-d8	10.509	136	5634	0.400	ng	0.00
13) Acenaphthene-d10	14.366	164	3085	0.400	ng	0.00
19) Phenanthrene-d10	17.111	188	5778	0.400	ng	0.00
29) Chrysene-d12	21.304	240	4219	0.400	ng	0.00
35) Perylene-d12	23.554	264	3835	0.400	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.312	112	2418	0.417	ng	0.00
5) Phenol-d6	6.901	99	2744	0.383	ng	0.00
8) Nitrobenzene-d5	8.875	82	2356	0.384	ng	0.00
11) 2-Methylnaphthalene-d10	12.111	152	3345	0.399	ng	0.00
14) 2,4,6-Tribromophenol	15.858	330	511	0.365	ng	0.00
15) 2-Fluorobiphenyl	12.988	172	7753	0.432	ng	0.00
27) Fluoranthene-d10	19.141	212	6152	0.415	ng	0.00
31) Terphenyl-d14	19.750	244	3880	0.384	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.247	88	1297	0.470	ng	97
3) n-Nitrosodimethylamine	3.557	42	2284	0.409	ng	96
6) bis(2-Chloroethyl)ether	7.147	93	2945	0.398	ng	100
9) Naphthalene	10.562	128	6710	0.405	ng	99
10) Hexachlorobutadiene	10.850	225	1694	0.434	ng	# 98
12) 2-Methylnaphthalene	12.182	142	4064	0.385	ng	99
16) Acenaphthylene	14.077	152	6059	0.416	ng	99
17) Acenaphthene	14.430	154	4035	0.423	ng	99
18) Fluorene	15.414	166	5226	0.405	ng	99
20) 4,6-Dinitro-2-methylph...	15.510	198	404	0.420	ng	94
21) 4-Bromophenyl-phenylether	16.304	248	1524	0.421	ng	96
22) Hexachlorobenzene	16.416	284	1987	0.455	ng	99
23) Atrazine	16.590	200	1165	0.401	ng	95
24) Pentachlorophenol	16.776	266	699	0.351	ng	95
25) Phenanthrene	17.148	178	7229	0.417	ng	99
26) Anthracene	17.248	178	6358	0.407	ng	99
28) Fluoranthene	19.174	202	8068	0.414	ng	100
30) Pyrene	19.536	202	8156	0.395	ng	100
32) Benzo(a)anthracene	21.286	228	5814	0.396	ng	100
33) Chrysene	21.331	228	6940	0.433	ng	98
34) Bis(2-ethylhexyl)phtha...	21.214	149	3594	0.344	ng	98
36) Indeno(1,2,3-cd)pyrene	25.841	276	6410	0.463	ng	98
37) Benzo(b)fluoranthene	22.879	252	5902	0.423	ng	99
38) Benzo(k)fluoranthene	22.923	252	6286	0.429	ng	98
39) Benzo(a)pyrene	23.458	252	5147	0.438	ng	99
40) Dibenzo(a,h)anthracene	25.855	278	4740	0.440	ng	97
41) Benzo(g,h,i)perylene	26.534	276	5877	0.477	ng	97

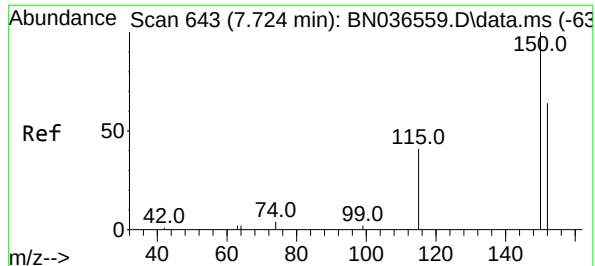
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Data File : BN036564.D
Acq On : 10 Mar 2025 16:38
Operator : RC/JU
Sample : SSTDICV0.4
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
ICVBN031025

Quant Time: Mar 10 17:10:04 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN031025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Mar 10 16:06:28 2025
Response via : Initial Calibration

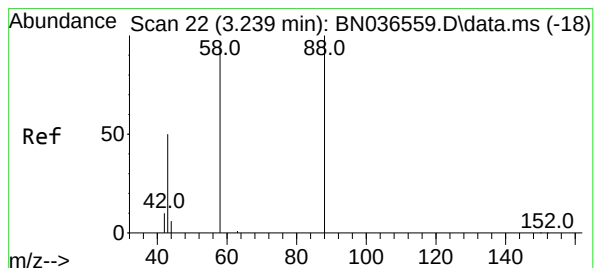
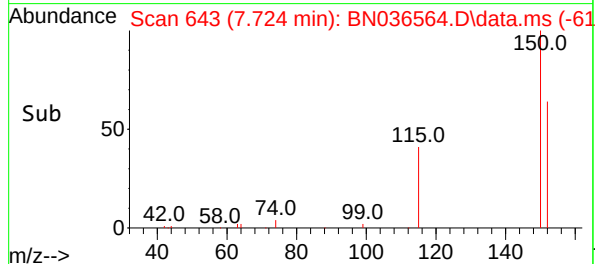
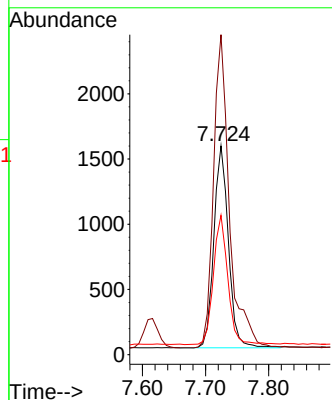
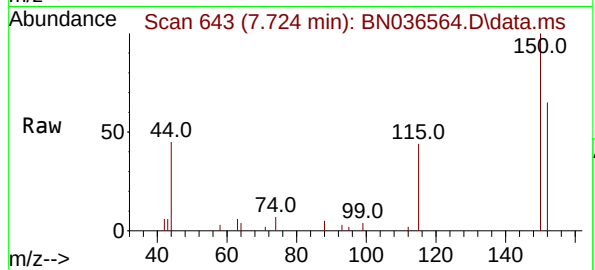




#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.724 min Scan# 64
Delta R.T. 0.000 min
Lab File: BN036564.D
Acq: 10 Mar 2025 16:38

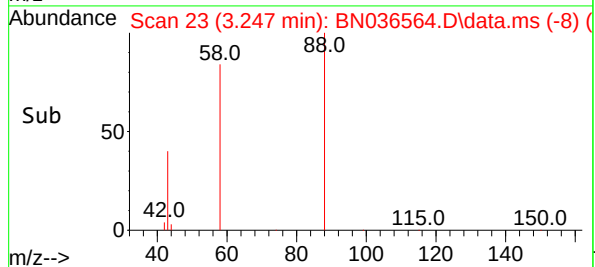
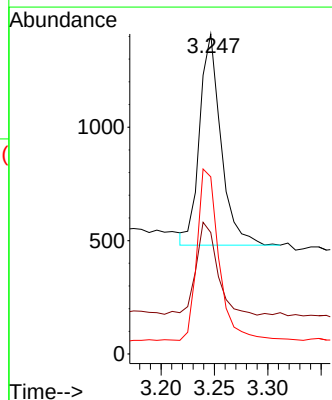
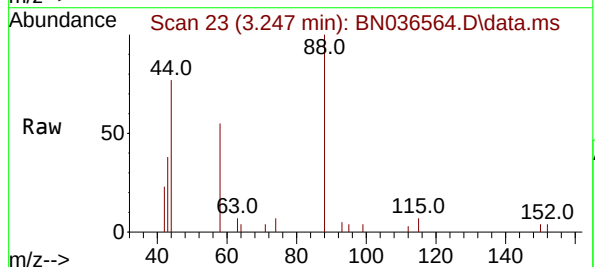
Instrument :
BNA_N
ClientSampleId :
ICVBN031025

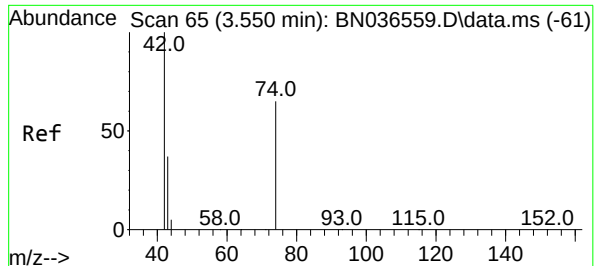
Tgt Ion:152 Resp: 2488
Ion Ratio Lower Upper
152 100
150 153.3 123.7 185.5
115 66.7 54.3 81.5



#2
1,4-Dioxane
Concen: 0.470 ng
RT: 3.247 min Scan# 23
Delta R.T. 0.008 min
Lab File: BN036564.D
Acq: 10 Mar 2025 16:38

Tgt Ion: 88 Resp: 1297
Ion Ratio Lower Upper
88 100
43 44.1 37.8 56.8
58 82.4 67.4 101.2

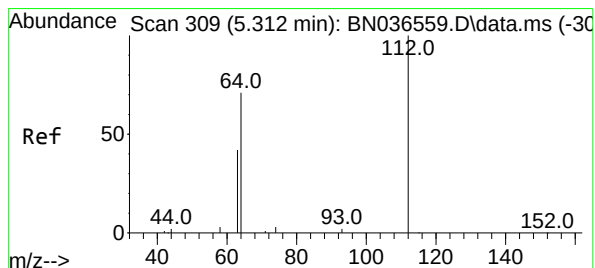
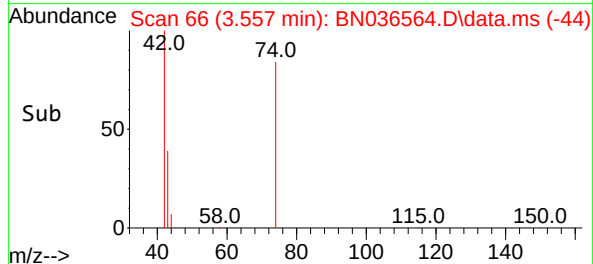
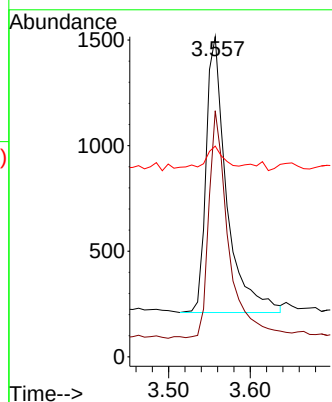
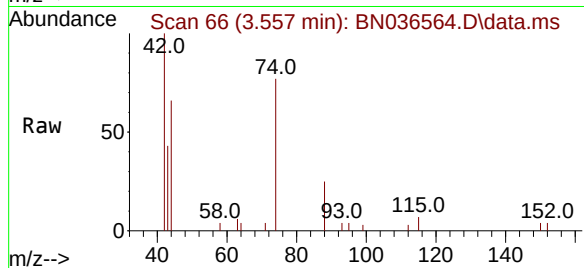




#3
n-Nitrosodimethylamine
Concen: 0.409 ng
RT: 3.557 min Scan# 61
Delta R.T. 0.007 min
Lab File: BN036564.D
Acq: 10 Mar 2025 16:38

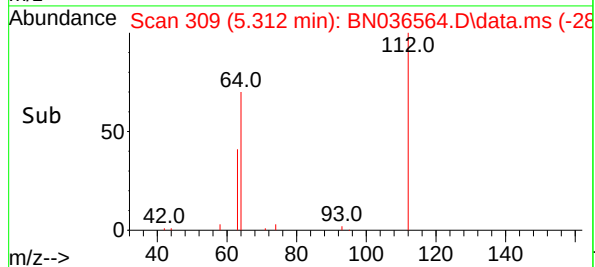
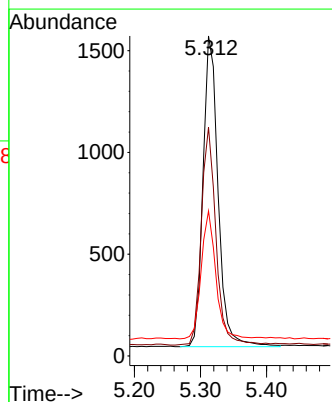
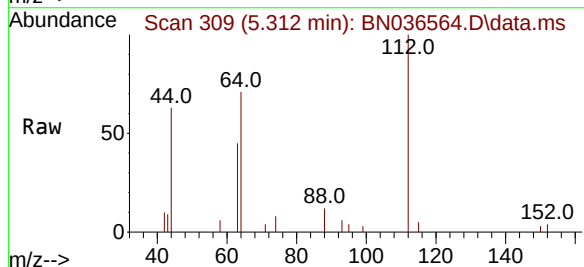
Instrument :
BNA_N
ClientSampleId :
ICVBN031025

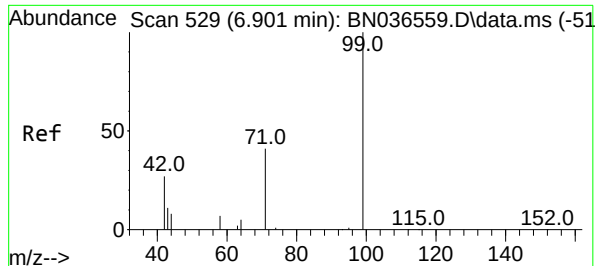
Tgt Ion: 42 Resp: 2284
Ion Ratio Lower Upper
42 100
74 79.2 60.6 90.8
44 8.2 6.3 9.5



#4
2-Fluorophenol
Concen: 0.417 ng
RT: 5.312 min Scan# 309
Delta R.T. 0.000 min
Lab File: BN036564.D
Acq: 10 Mar 2025 16:38

Tgt Ion: 112 Resp: 2418
Ion Ratio Lower Upper
112 100
64 68.2 53.1 79.7
63 39.8 31.8 47.8

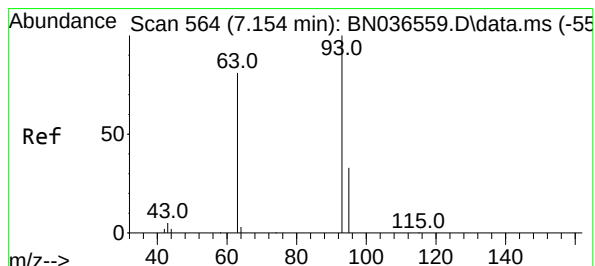
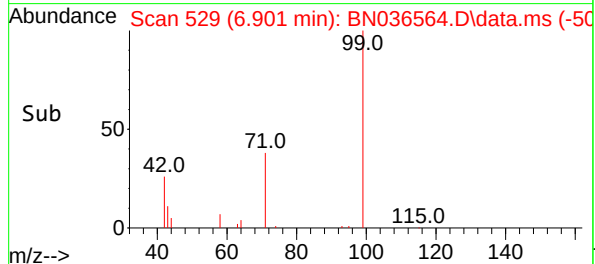
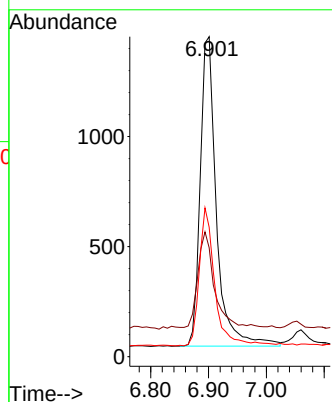
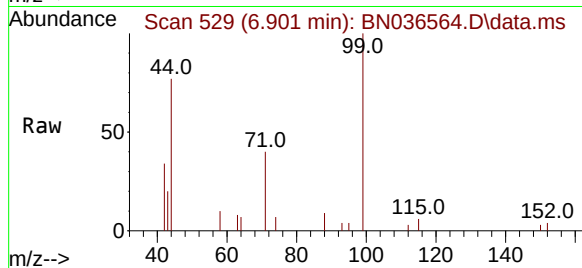




#5
Phenol-d6
Concen: 0.383 ng
RT: 6.901 min Scan# 51
Delta R.T. 0.000 min
Lab File: BN036564.D
Acq: 10 Mar 2025 16:38

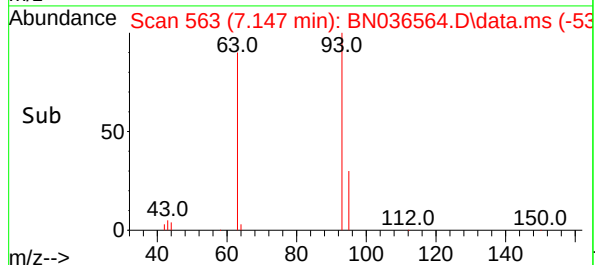
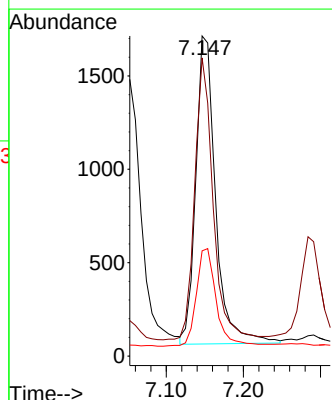
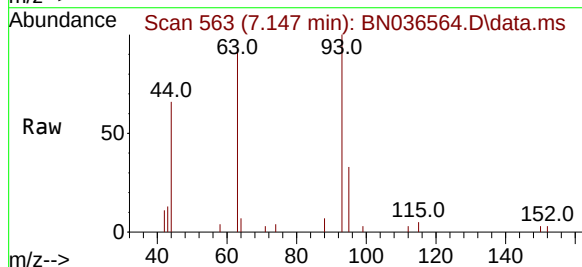
Instrument :
BNA_N
ClientSampleId :
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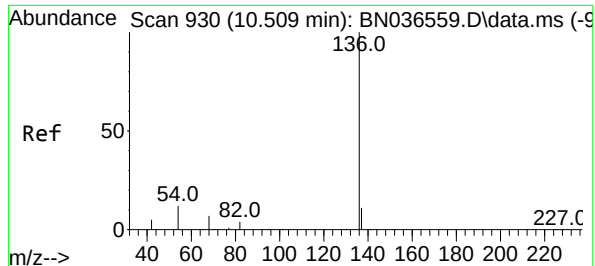
Tgt Ion: 99 Resp: 2744
Ion Ratio Lower Upper
99 100
42 32.1 26.5 39.7
71 42.9 34.1 51.1



#6
bis(2-Chloroethyl)ether
Concen: 0.398 ng
RT: 7.147 min Scan# 563
Delta R.T. -0.007 min
Lab File: BN036564.D
Acq: 10 Mar 2025 16:38

Tgt Ion: 93 Resp: 2945
Ion Ratio Lower Upper
93 100
63 85.1 67.7 101.5
95 31.7 25.6 38.4

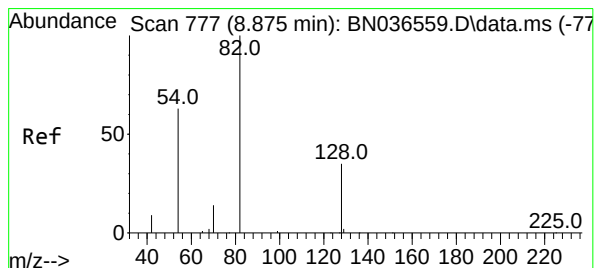
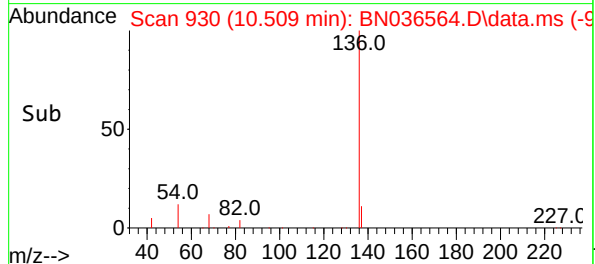
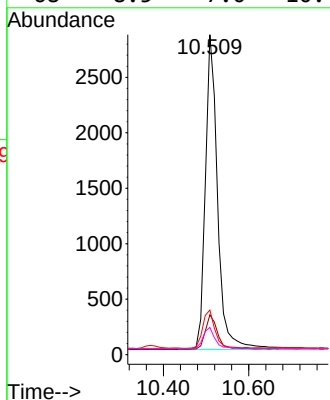
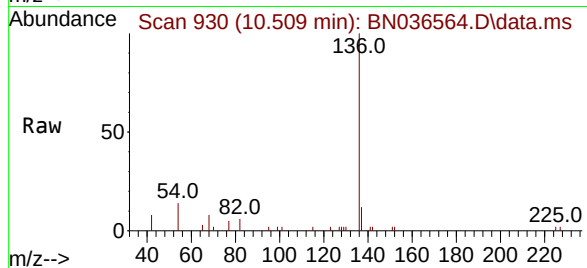




#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.509 min Scan# 91
Delta R.T. 0.000 min
Lab File: BN036564.D
Acq: 10 Mar 2025 16:38

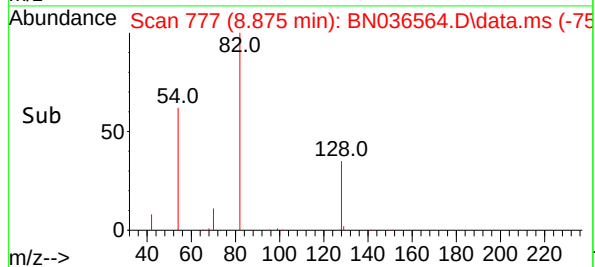
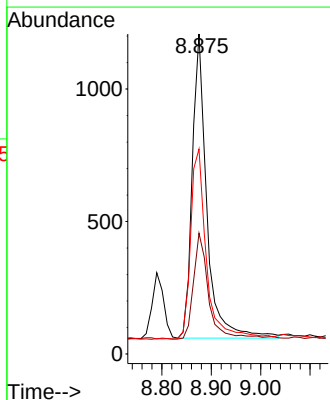
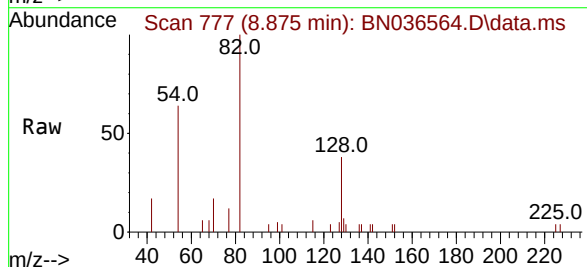
Instrument :
BNA_N
ClientSampleId :
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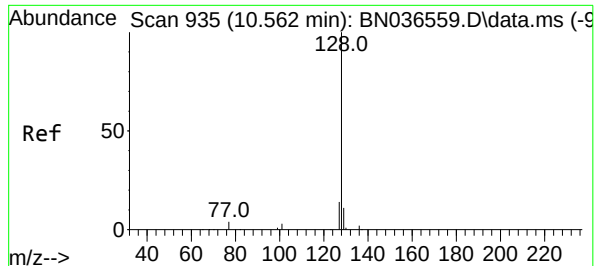
Tgt Ion:	136	Resp:	5634
Ion	Ratio	Lower	Upper
136	100		
137	12.4	10.3	15.5
54	13.9	11.5	17.3
68	8.5	7.0	10.4



#8
Nitrobenzene-d5
Concen: 0.384 ng
RT: 8.875 min Scan# 777
Delta R.T. 0.000 min
Lab File: BN036564.D
Acq: 10 Mar 2025 16:38

Tgt Ion:	82	Resp:	2356
Ion	Ratio	Lower	Upper
82	100		
128	37.7	30.6	45.8
54	64.1	52.2	78.4

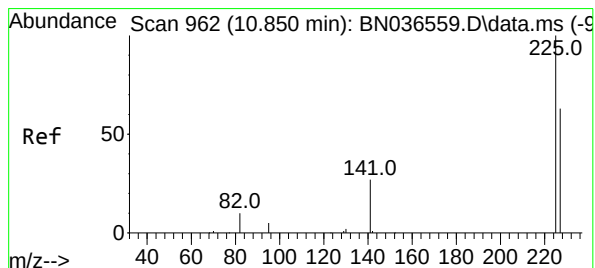
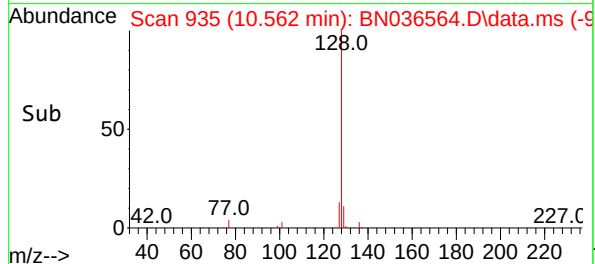
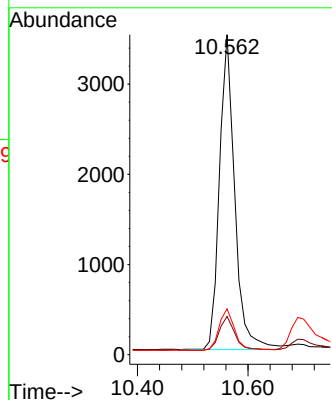
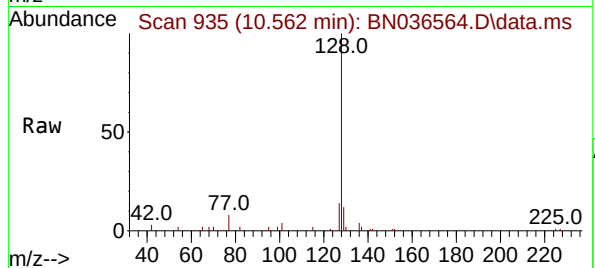




#9
Naphthalene
Concen: 0.405 ng
RT: 10.562 min Scan# 910
Delta R.T. 0.000 min
Lab File: BN036564.D
Acq: 10 Mar 2025 16:38

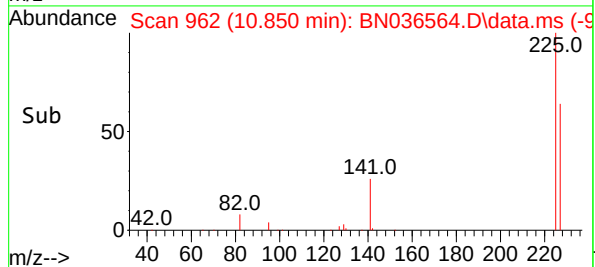
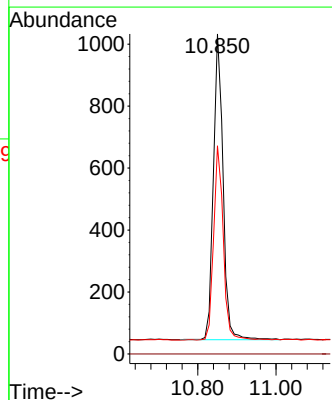
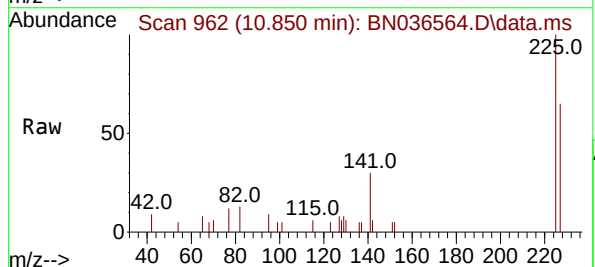
Instrument :
BNA_N
ClientSampleId :
ICVBN031025

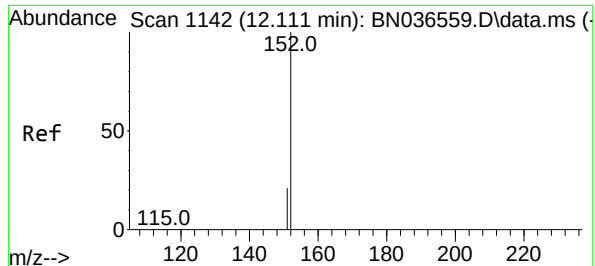
Tgt Ion:128 Resp: 6710
Ion Ratio Lower Upper
128 100
129 11.9 9.8 14.6
127 14.3 11.8 17.8



#10
Hexachlorobutadiene
Concen: 0.434 ng
RT: 10.850 min Scan# 962
Delta R.T. 0.000 min
Lab File: BN036564.D
Acq: 10 Mar 2025 16:38

Tgt Ion:225 Resp: 1694
Ion Ratio Lower Upper
225 100
223 0.0 0.0 0.0
227 63.5 51.8 77.8

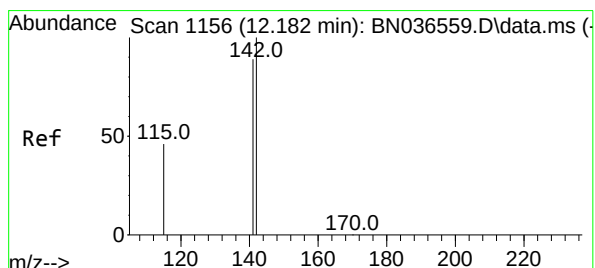
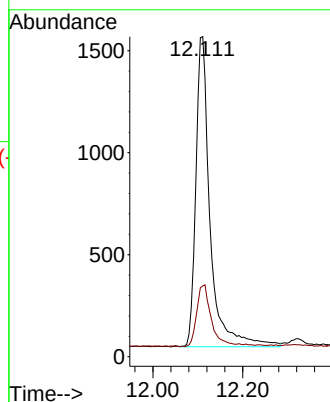
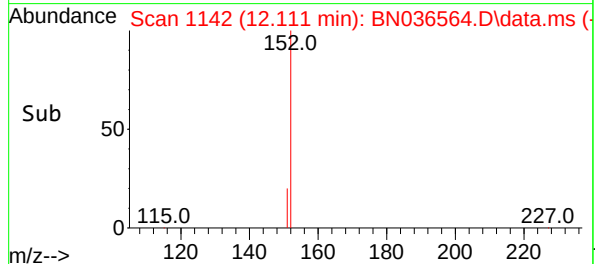
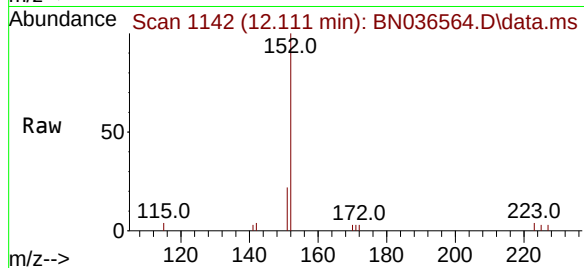




#11
2-Methylnaphthalene-d10
Concen: 0.399 ng
RT: 12.111 min Scan# 1142
Delta R.T. 0.000 min
Lab File: BN036564.D
Acq: 10 Mar 2025 16:38

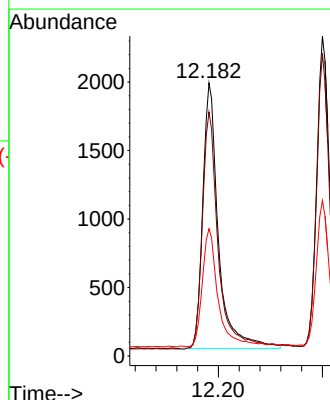
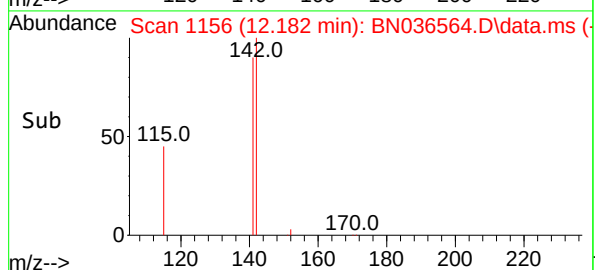
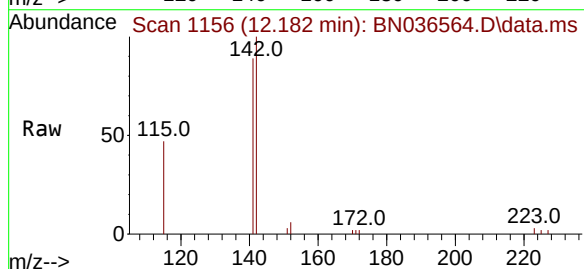
Instrument :
BNA_N
ClientSampleId :
ICVBN031025

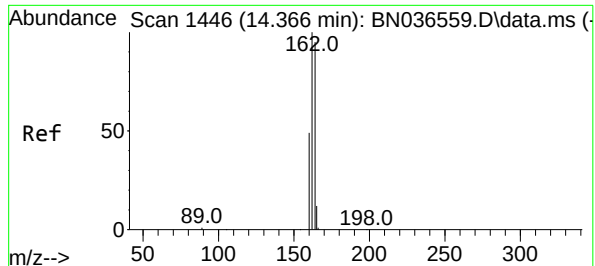
Tgt Ion:152 Resp: 3345
Ion Ratio Lower Upper
152 100
151 20.2 17.0 25.6



#12
2-Methylnaphthalene
Concen: 0.385 ng
RT: 12.182 min Scan# 1156
Delta R.T. 0.000 min
Lab File: BN036564.D
Acq: 10 Mar 2025 16:38

Tgt Ion:142 Resp: 4064
Ion Ratio Lower Upper
142 100
141 89.4 71.7 107.5
115 46.6 38.3 57.5

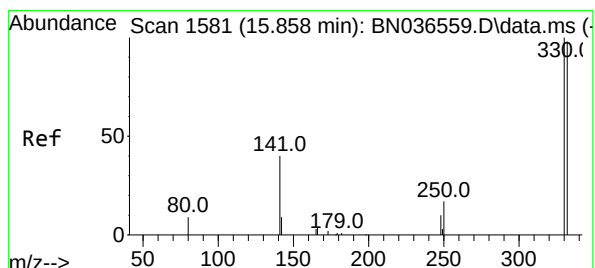
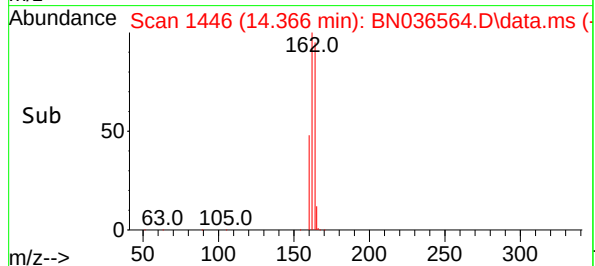
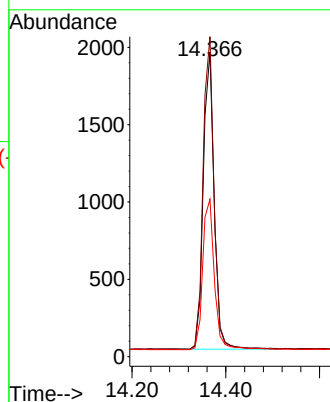
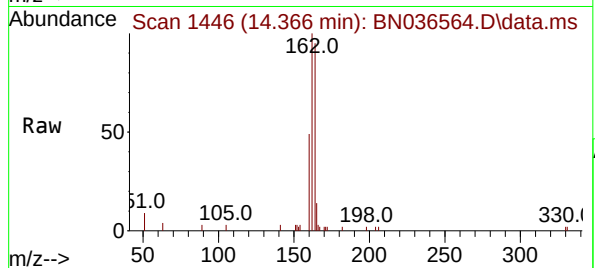




#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.366 min Scan# 1446
Delta R.T. 0.000 min
Lab File: BN036564.D
Acq: 10 Mar 2025 16:38

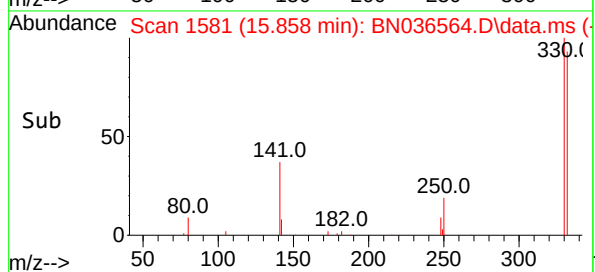
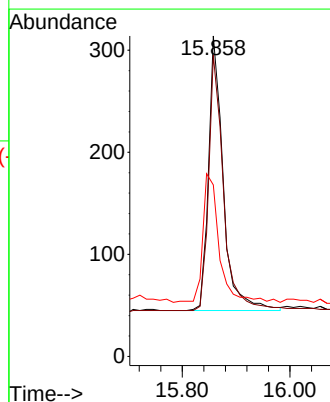
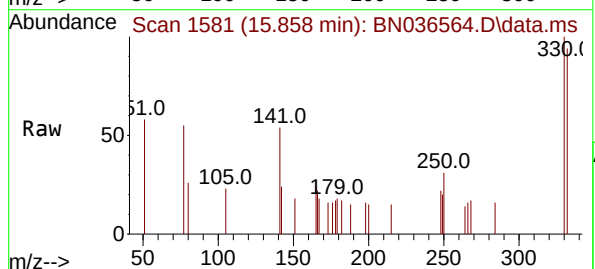
Instrument :
BNA_N
ClientSampleId :
ICVBN031025

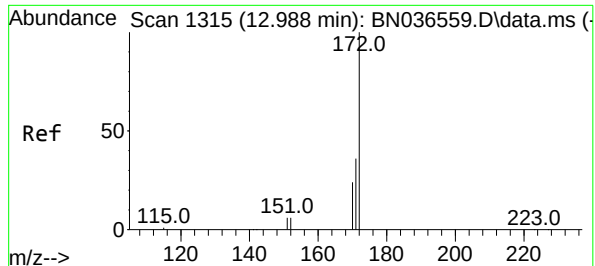
Tgt Ion:164 Resp: 3085
Ion Ratio Lower Upper
164 100
162 105.0 84.2 126.2
160 51.7 42.2 63.2



#14
2,4,6-Tribromophenol
Concen: 0.365 ng
RT: 15.858 min Scan# 1581
Delta R.T. 0.000 min
Lab File: BN036564.D
Acq: 10 Mar 2025 16:38

Tgt Ion:330 Resp: 511
Ion Ratio Lower Upper
330 100
332 93.9 75.2 112.8
141 51.5 43.4 65.2





#15

2-Fluorobiphenyl

Concen: 0.432 ng

RT: 12.988 min Scan# 1315

Delta R.T. 0.000 min

Lab File: BN036564.D

Acq: 10 Mar 2025 16:38

Instrument :

BNA_N

ClientSampleId :

ICVBN031025

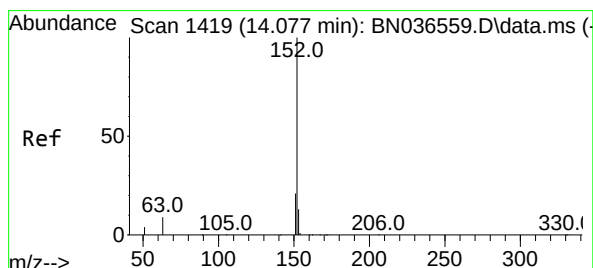
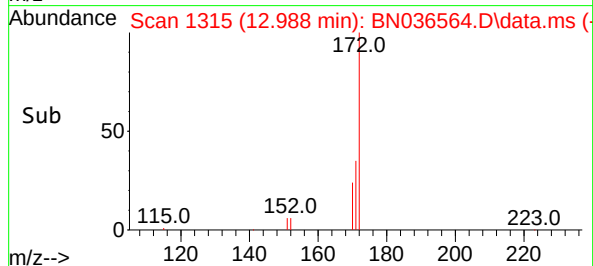
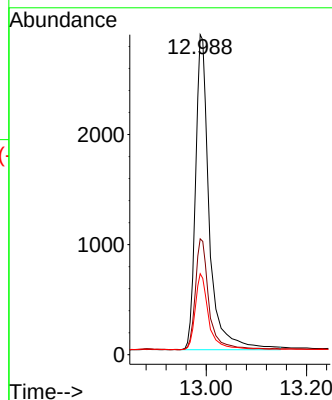
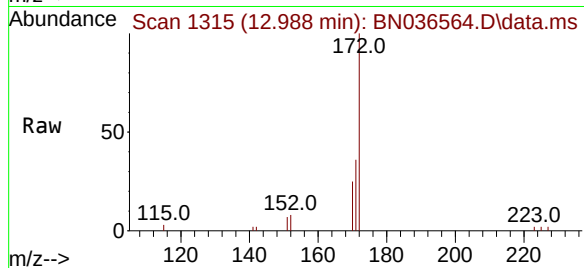
Tgt Ion:172 Resp: 7753

Ion Ratio Lower Upper

172 100

171 36.2 29.5 44.3

170 25.3 20.2 30.4



#16

Acenaphthylene

Concen: 0.416 ng

RT: 14.077 min Scan# 1419

Delta R.T. 0.000 min

Lab File: BN036564.D

Acq: 10 Mar 2025 16:38

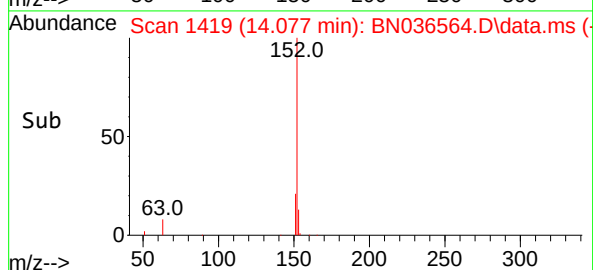
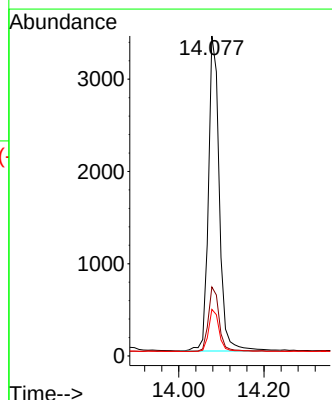
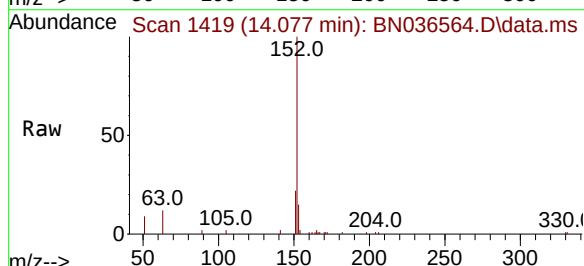
Tgt Ion:152 Resp: 6059

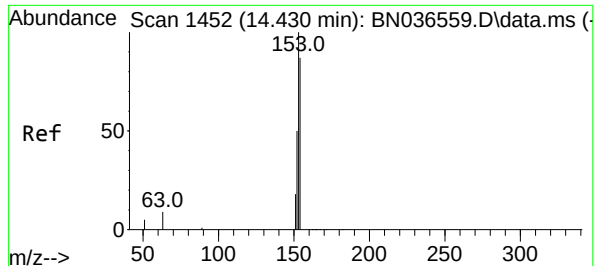
Ion Ratio Lower Upper

152 100

151 20.1 16.2 24.4

153 12.9 10.6 15.8

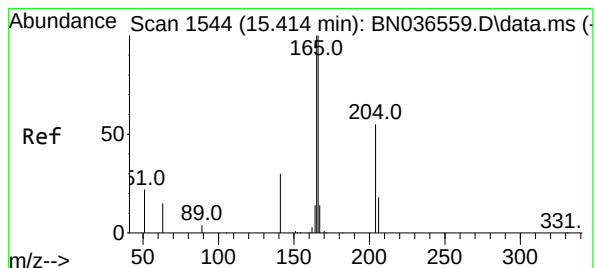
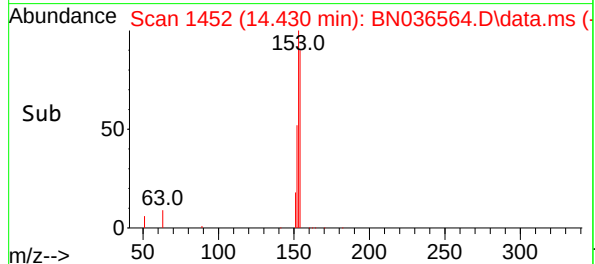
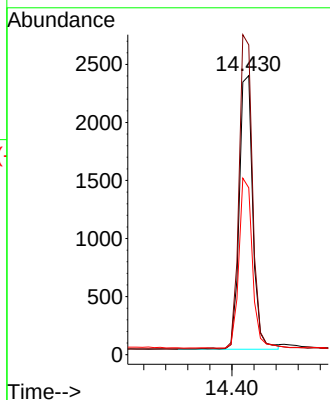
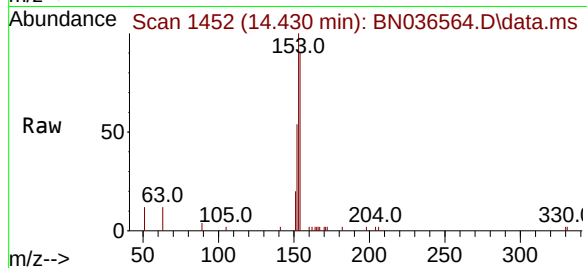




#17
Acenaphthene
Concen: 0.423 ng
RT: 14.430 min Scan# 1452
Delta R.T. 0.000 min
Lab File: BN036564.D
Acq: 10 Mar 2025 16:38

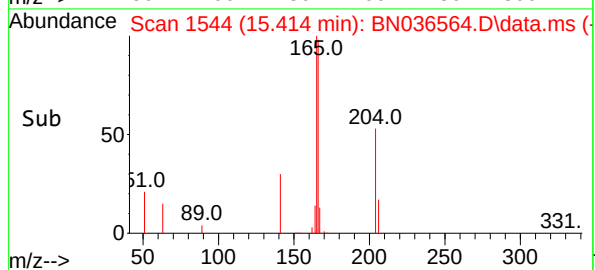
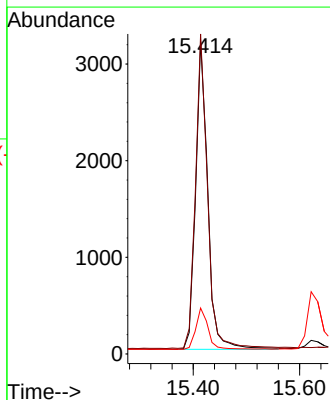
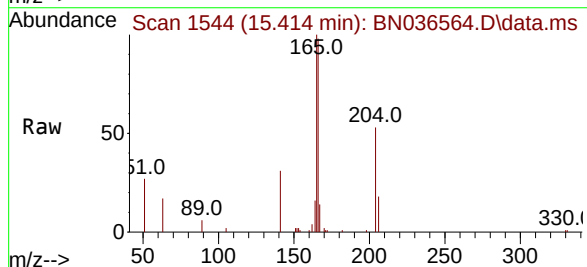
Instrument :
BNA_N
ClientSampleId :
ICVBN031025

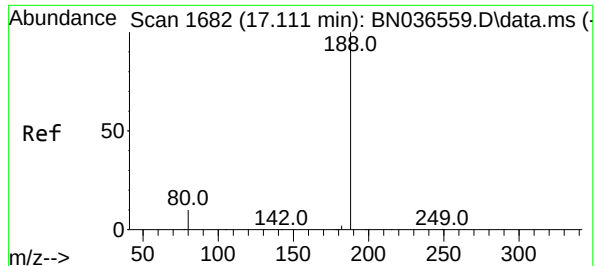
Tgt Ion	154	153	152
Resp:	4035	115.5	61.9
Ion Ratio	100	100	100
Lower		94.1	49.8
Upper		141.1	74.6



#18
Fluorene
Concen: 0.405 ng
RT: 15.414 min Scan# 1544
Delta R.T. 0.000 min
Lab File: BN036564.D
Acq: 10 Mar 2025 16:38

Tgt Ion	166	165	167
Resp:	5226	101.1	13.1
Ion Ratio	100	100	100
Lower		79.8	10.6
Upper		119.8	15.8





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 17.111 min Scan# 1

Delta R.T. 0.000 min

Lab File: BN036564.D

Acq: 10 Mar 2025 16:38

Instrument :

BNA_N

ClientSampleId :

ICVBN031025

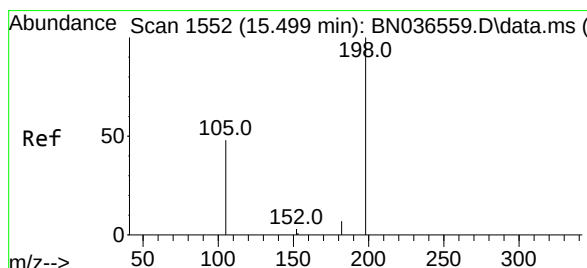
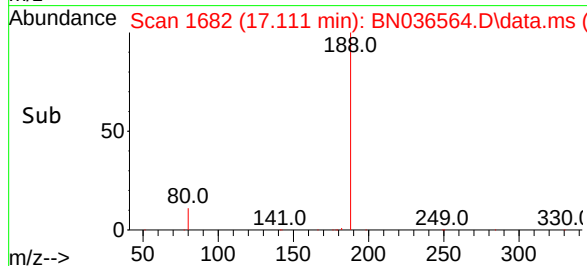
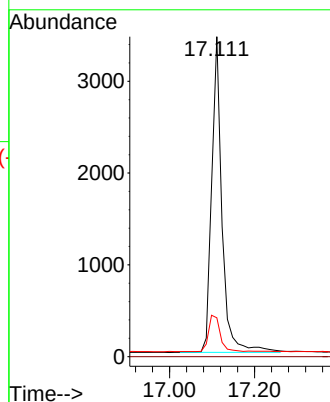
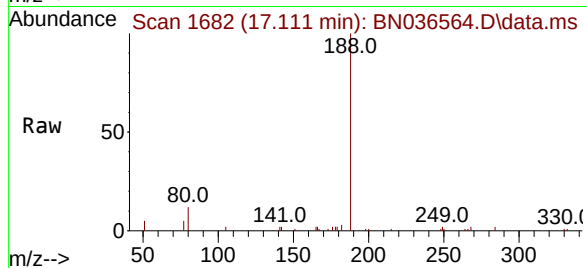
Tgt Ion:188 Resp: 5778

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

80 12.2 8.8 13.2



#20

4,6-Dinitro-2-methylphenol

Concen: 0.420 ng

RT: 15.510 min Scan# 1553

Delta R.T. 0.011 min

Lab File: BN036564.D

Acq: 10 Mar 2025 16:38

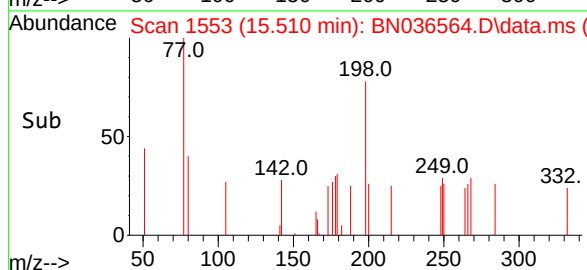
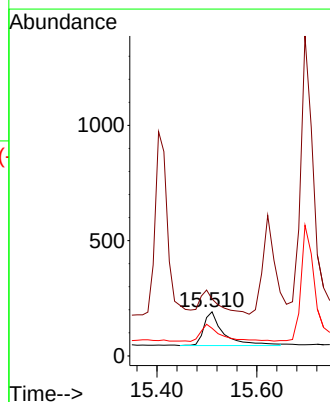
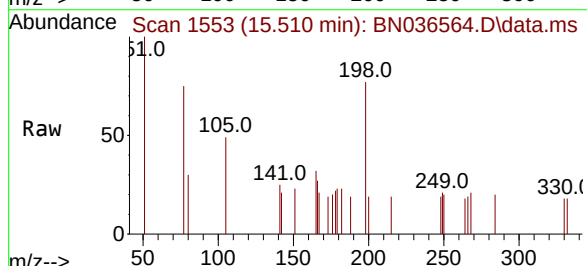
Tgt Ion:198 Resp: 404

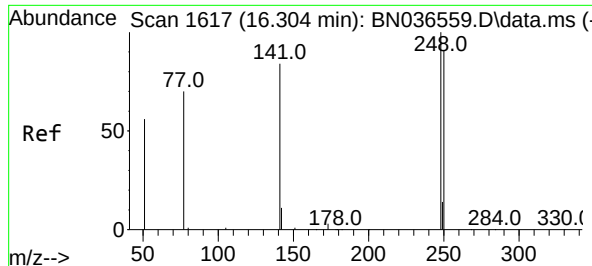
Ion Ratio Lower Upper

198 100

51 129.3 107.9 161.9

105 62.8 56.2 84.2

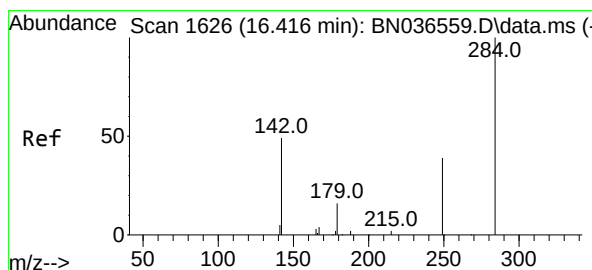
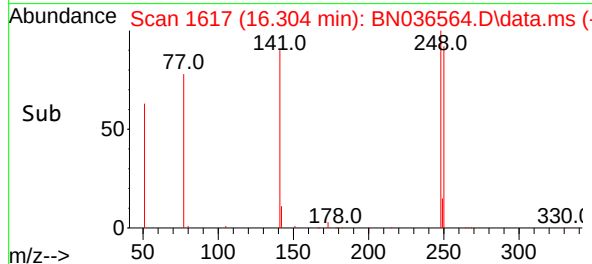
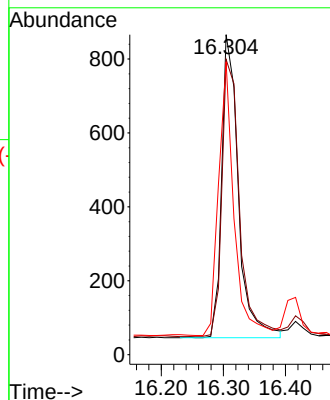
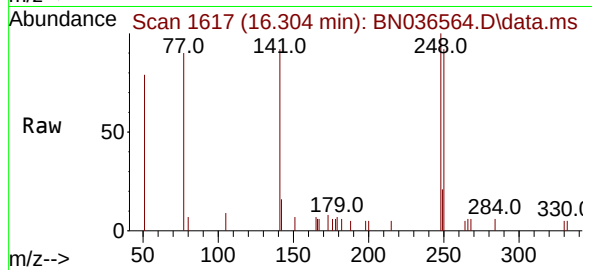




#21
4-Bromophenyl-phenylether
Concen: 0.421 ng
RT: 16.304 min Scan# 1617
Delta R.T. 0.000 min
Lab File: BN036564.D
Acq: 10 Mar 2025 16:38

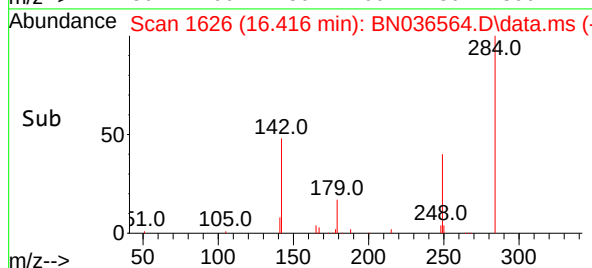
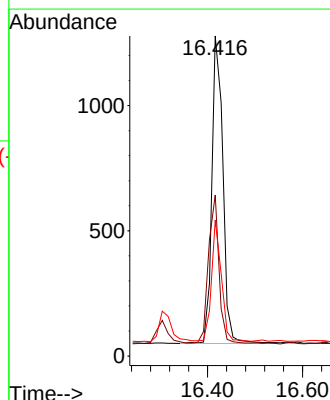
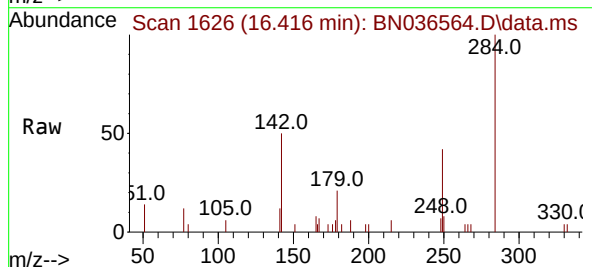
Instrument :
BNA_N
ClientSampleId :
ICVBN031025

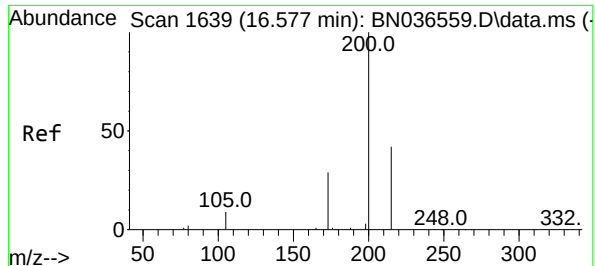
Tgt Ion	Ratio	Lower	Upper
248	100		
250	92.3	73.0	109.6
141	91.6	68.6	103.0



#22
Hexachlorobenzene
Concen: 0.455 ng
RT: 16.416 min Scan# 1626
Delta R.T. 0.000 min
Lab File: BN036564.D
Acq: 10 Mar 2025 16:38

Tgt Ion	Ratio	Lower	Upper
284	100		
142	47.5	37.0	55.4
249	34.9	28.1	42.1

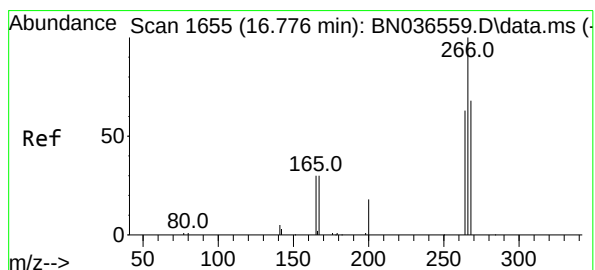
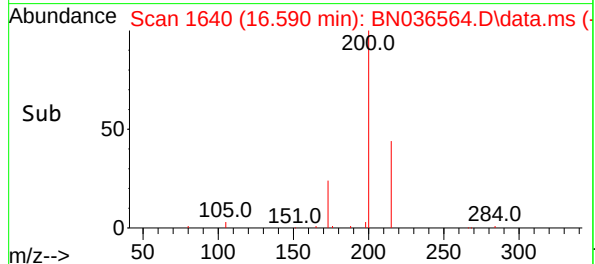
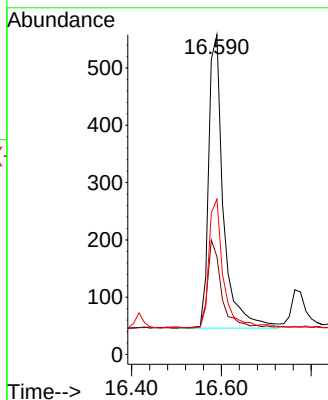
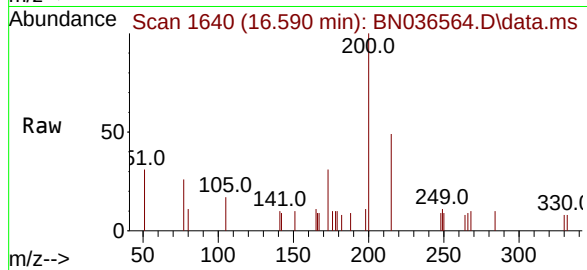




#23
Atrazine
Concen: 0.401 ng
RT: 16.590 min Scan# 1640
Delta R.T. 0.012 min
Lab File: BN036564.D
Acq: 10 Mar 2025 16:38

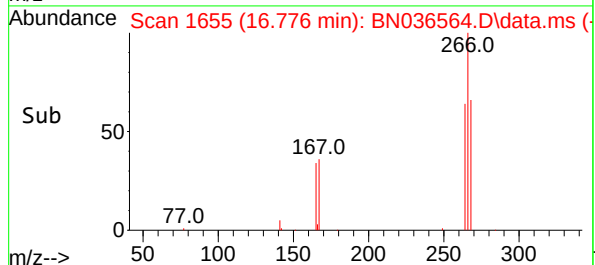
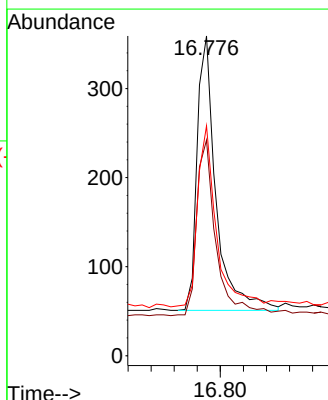
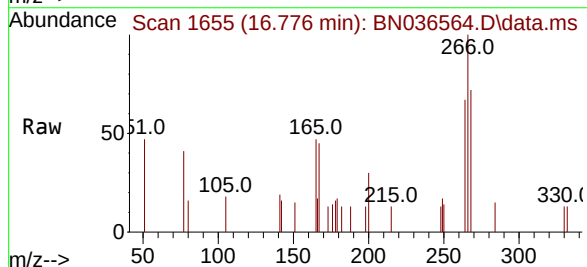
Instrument :
BNA_N
ClientSampleId :
ICVBN031025

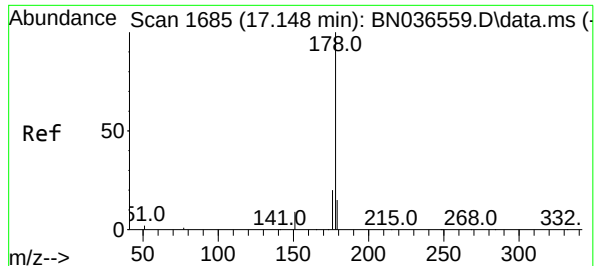
Tgt Ion	Ratio	Lower	Upper
200	100		
173	30.6	27.3	40.9
215	48.6	36.8	55.2



#24
Pentachlorophenol
Concen: 0.351 ng
RT: 16.776 min Scan# 1655
Delta R.T. 0.000 min
Lab File: BN036564.D
Acq: 10 Mar 2025 16:38

Tgt Ion	Ratio	Lower	Upper
266	100		
264	67.1	49.6	74.4
268	66.7	50.9	76.3

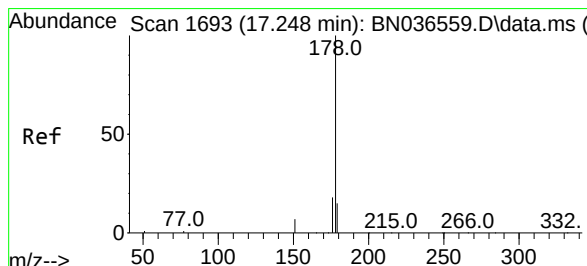
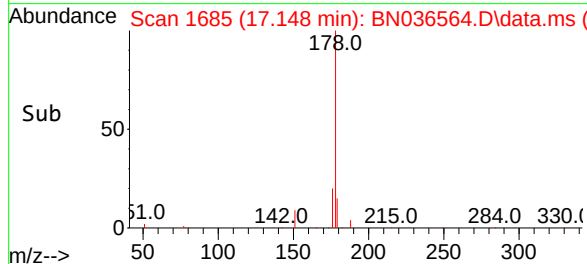
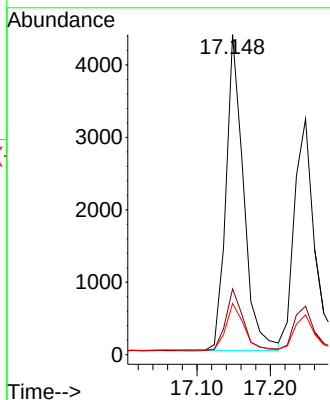
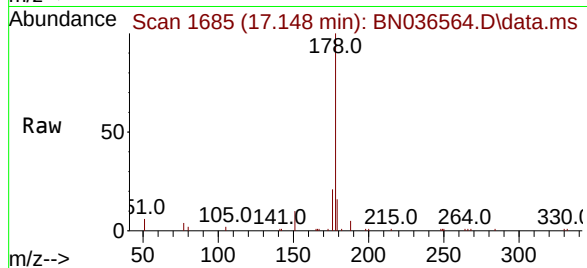




#25
Phenanthrene
Concen: 0.417 ng
RT: 17.148 min Scan# 1685
Delta R.T. 0.000 min
Lab File: BN036564.D
Acq: 10 Mar 2025 16:38

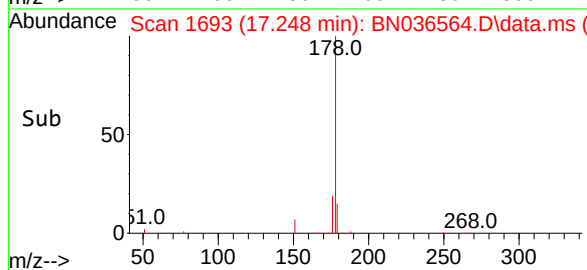
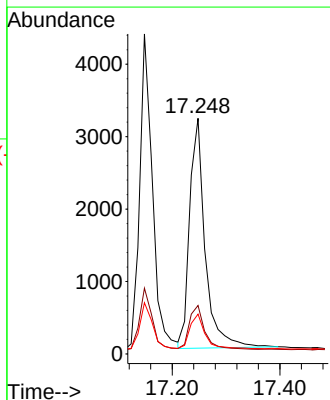
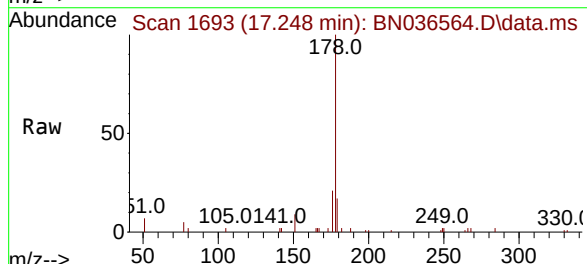
Instrument :
BNA_N
ClientSampleId :
ICVBN031025

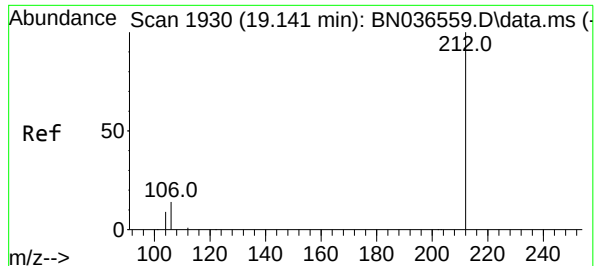
Tgt Ion:178 Resp: 7229
Ion Ratio Lower Upper
178 100
176 19.8 15.9 23.9
179 15.0 12.2 18.4



#26
Anthracene
Concen: 0.407 ng
RT: 17.248 min Scan# 1693
Delta R.T. 0.000 min
Lab File: BN036564.D
Acq: 10 Mar 2025 16:38

Tgt Ion:178 Resp: 6358
Ion Ratio Lower Upper
178 100
176 19.2 15.4 23.2
179 14.8 12.6 18.8





#27

Fluoranthene-d10

Concen: 0.415 ng

RT: 19.141 min Scan# 1930

Delta R.T. 0.000 min

Lab File: BN036564.D

Acq: 10 Mar 2025 16:38

Instrument :

BNA_N

ClientSampleId :

ICVBN031025

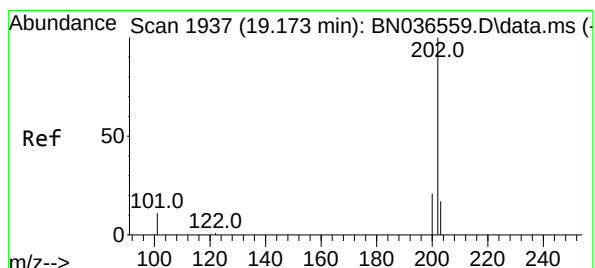
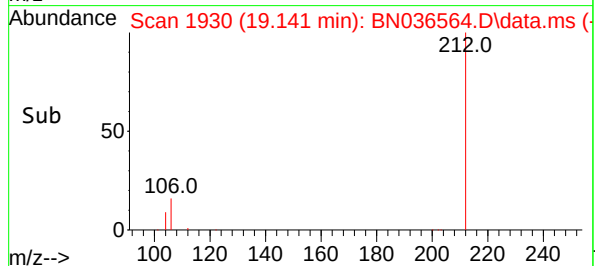
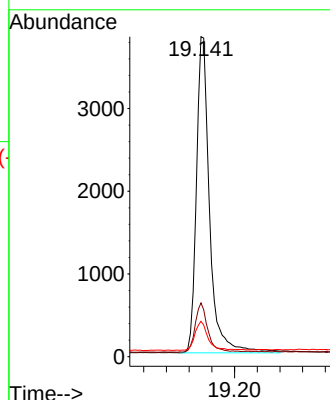
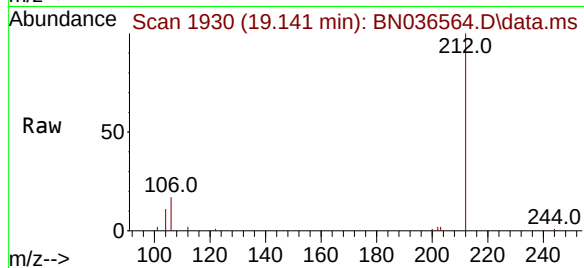
Tgt Ion:212 Resp: 6152

Ion Ratio Lower Upper

212 100

106 14.8 11.8 17.6

104 8.8 7.3 10.9



#28

Fluoranthene

Concen: 0.414 ng

RT: 19.174 min Scan# 1937

Delta R.T. 0.000 min

Lab File: BN036564.D

Acq: 10 Mar 2025 16:38

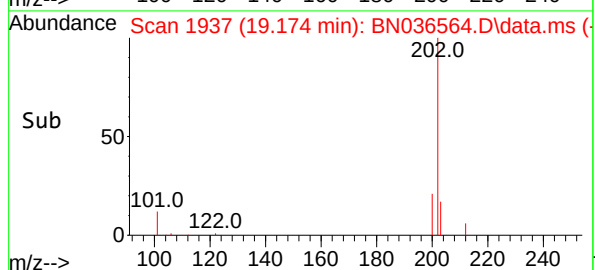
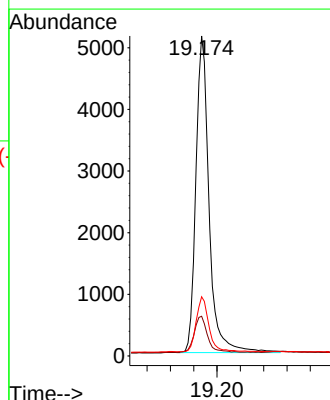
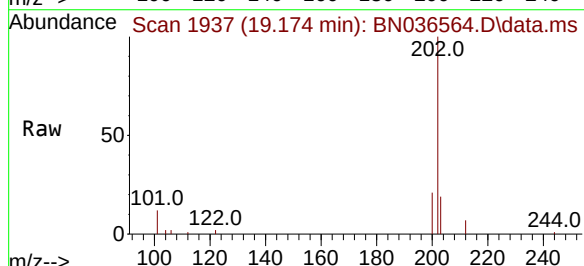
Tgt Ion:202 Resp: 8068

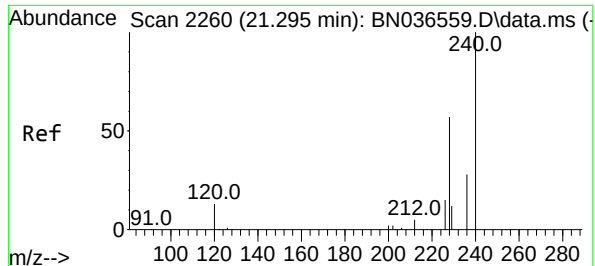
Ion Ratio Lower Upper

202 100

101 11.6 9.4 14.0

203 16.8 13.5 20.3





#29

Chrysene-d12

Concen: 0.400 ng

RT: 21.304 min Scan# 21

Delta R.T. 0.009 min

Lab File: BN036564.D

Acq: 10 Mar 2025 16:38

Instrument :

BNA_N

ClientSampleId :

ICVBN031025

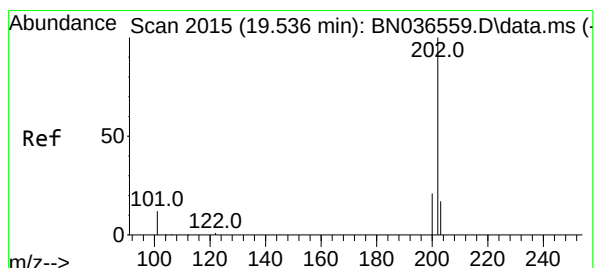
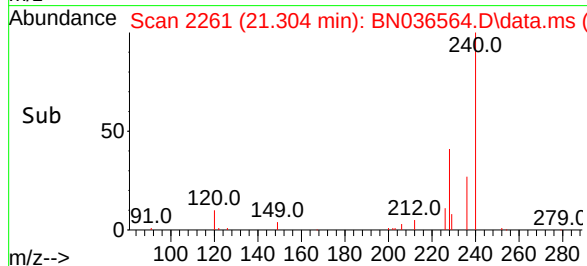
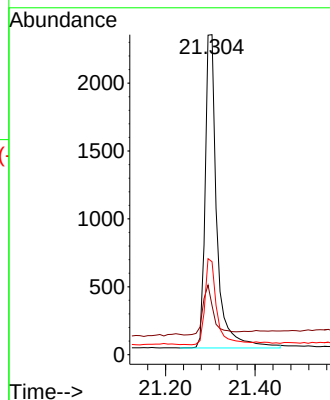
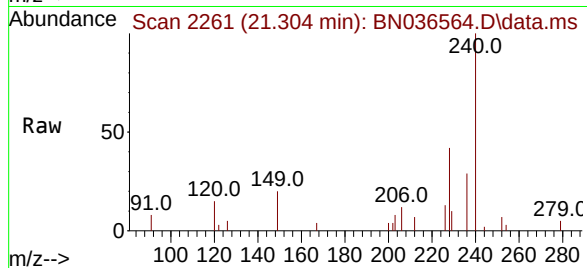
Tgt Ion:240 Resp: 4219

Ion Ratio Lower Upper

240 100

120 15.4 14.6 22.0

236 29.1 24.1 36.1



#30

Pyrene

Concen: 0.395 ng

RT: 19.536 min Scan# 2015

Delta R.T. 0.000 min

Lab File: BN036564.D

Acq: 10 Mar 2025 16:38

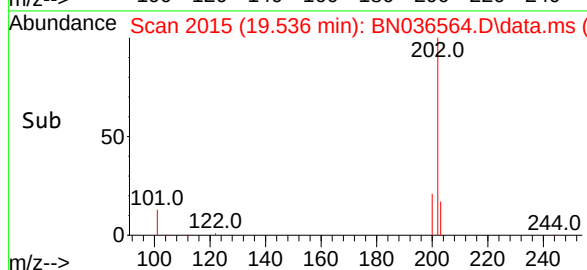
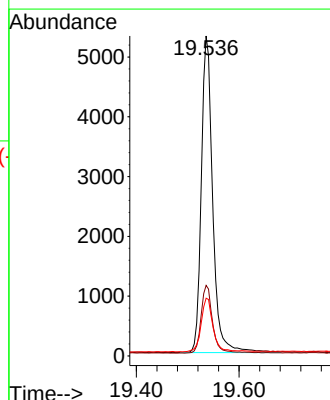
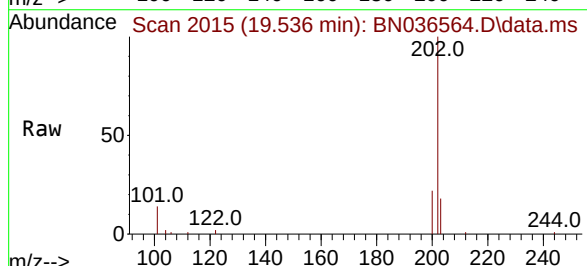
Tgt Ion:202 Resp: 8156

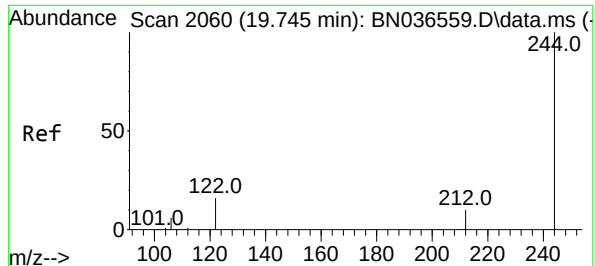
Ion Ratio Lower Upper

202 100

200 21.4 17.1 25.7

203 17.4 14.1 21.1

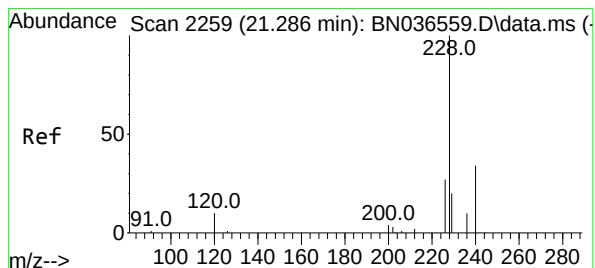
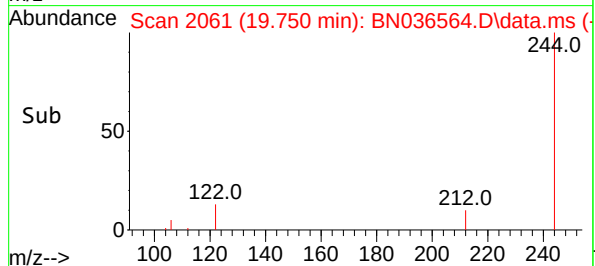
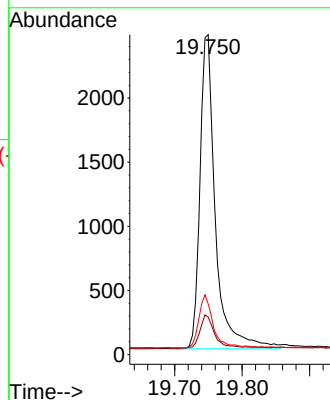
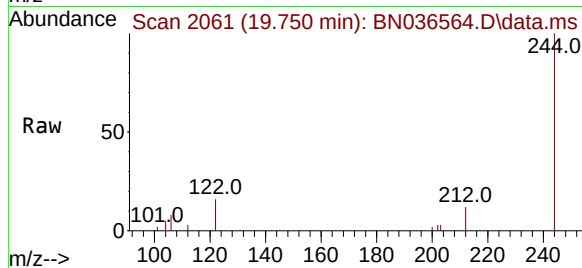




#31
Terphenyl-d14
Concen: 0.384 ng
RT: 19.750 min Scan# 2061
Delta R.T. 0.005 min
Lab File: BN036564.D
Acq: 10 Mar 2025 16:38

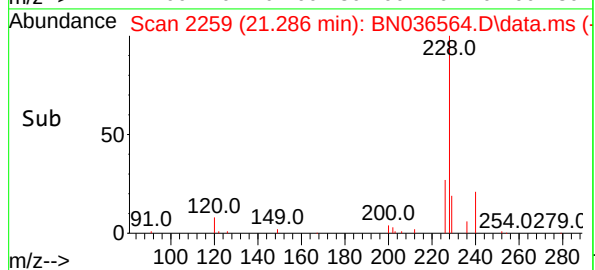
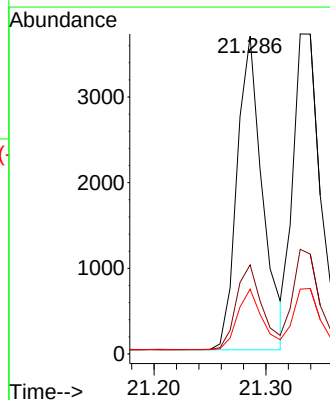
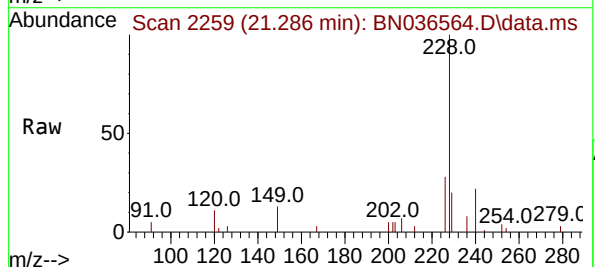
Instrument :
BNA_N
ClientSampleId :
ICVBN031025

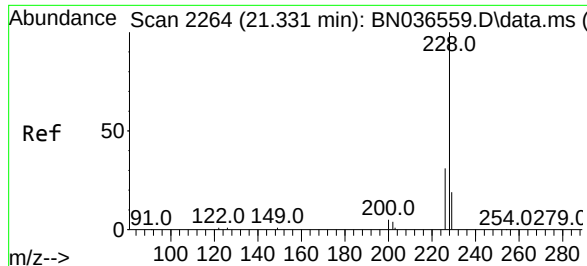
Tgt Ion	Ratio	Lower	Upper
244	100		
212	11.7	9.6	14.4
122	15.8	13.9	20.9



#32
Benzo(a)anthracene
Concen: 0.396 ng
RT: 21.286 min Scan# 2259
Delta R.T. 0.000 min
Lab File: BN036564.D
Acq: 10 Mar 2025 16:38

Tgt Ion	Ratio	Lower	Upper
228	100		
226	28.1	22.5	33.7
229	20.4	16.6	25.0





#33

Chrysene

Concen: 0.433 ng

RT: 21.331 min Scan# 21

Delta R.T. 0.000 min

Lab File: BN036564.D

Acq: 10 Mar 2025 16:38

Instrument :

BNA_N

ClientSampleId :

ICVBN031025

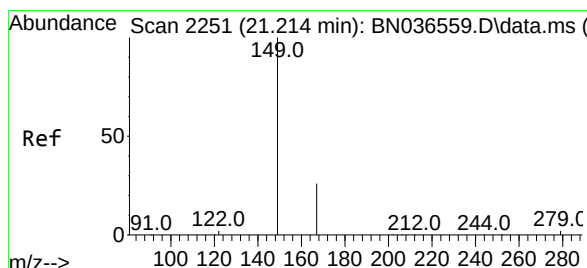
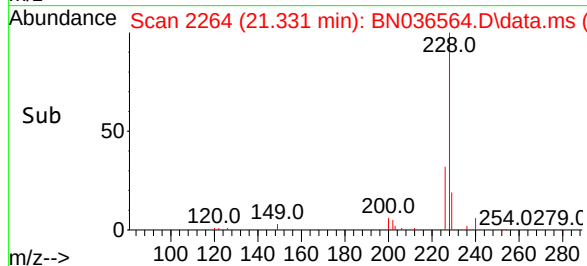
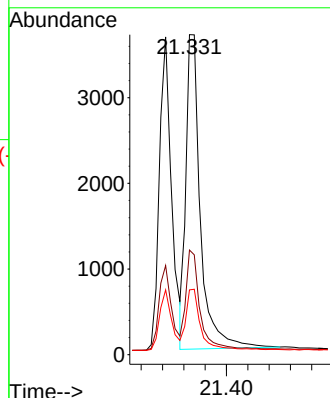
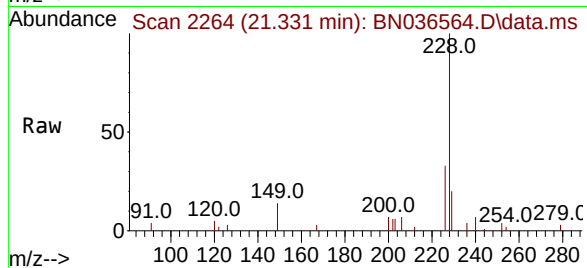
Tgt Ion:228 Resp: 6940

Ion Ratio Lower Upper

228 100

226 32.7 25.3 37.9

229 20.3 15.8 23.8



#34

Bis(2-ethylhexyl)phthalate

Concen: 0.344 ng

RT: 21.214 min Scan# 2251

Delta R.T. 0.000 min

Lab File: BN036564.D

Acq: 10 Mar 2025 16:38

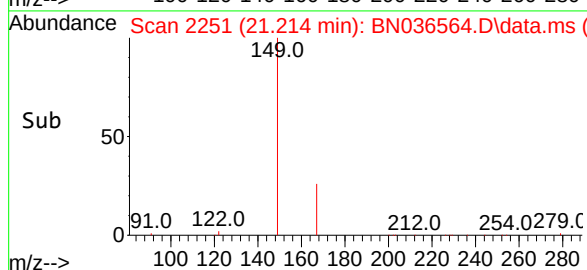
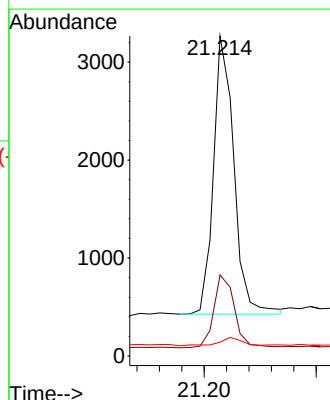
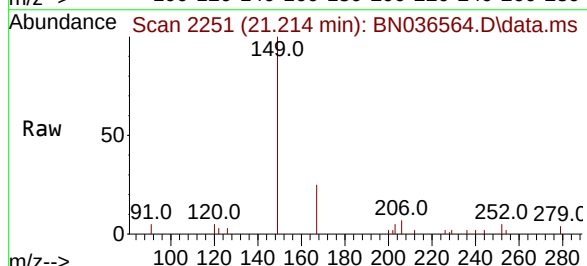
Tgt Ion:149 Resp: 3594

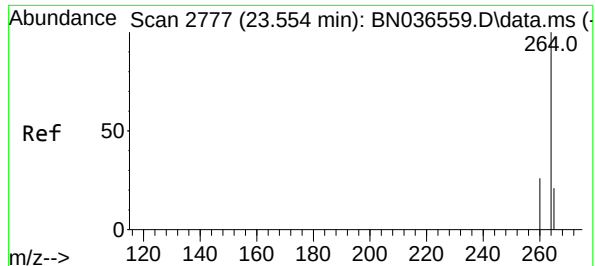
Ion Ratio Lower Upper

149 100

167 26.6 20.7 31.1

279 3.7 3.6 5.4





#35

Perylene-d12

Concen: 0.400 ng

RT: 23.554 min Scan# 21

Delta R.T. 0.000 min

Lab File: BN036564.D

Acq: 10 Mar 2025 16:38

Instrument :

BNA_N

ClientSampleId :

ICVBN031025

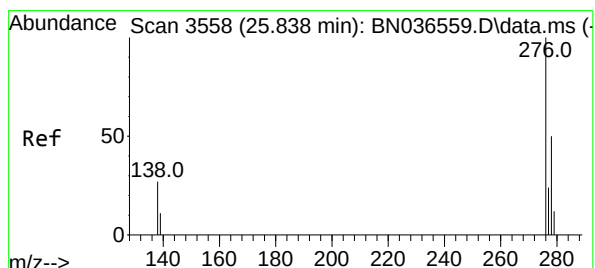
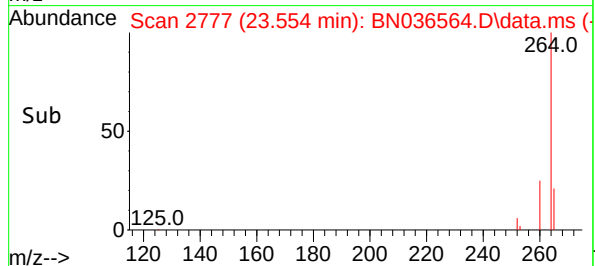
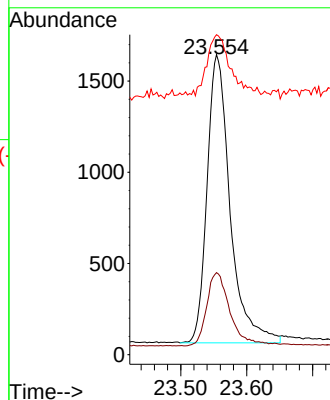
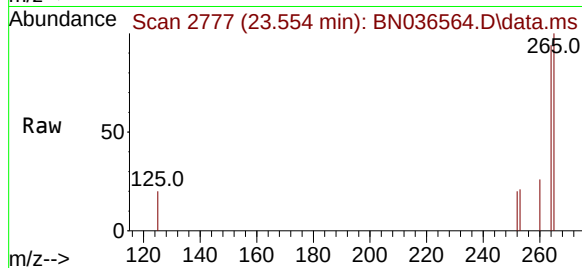
Tgt Ion:264 Resp: 3835

Ion Ratio Lower Upper

264 100

260 27.4 22.6 33.8

265 106.6 88.1 132.1



#36

Indeno(1,2,3-cd)pyrene

Concen: 0.463 ng

RT: 25.841 min Scan# 3559

Delta R.T. 0.003 min

Lab File: BN036564.D

Acq: 10 Mar 2025 16:38

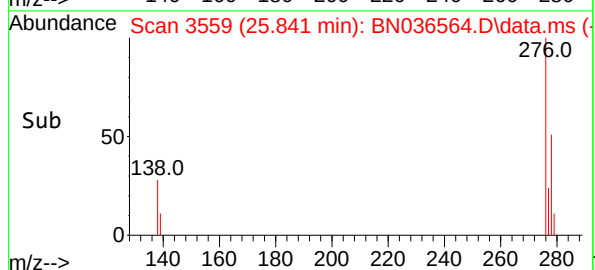
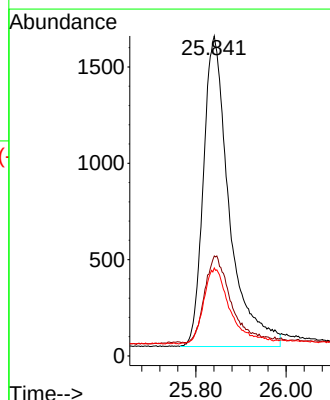
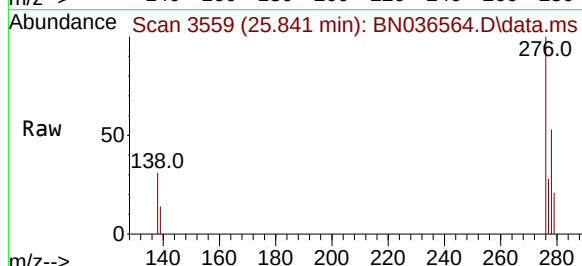
Tgt Ion:276 Resp: 6410

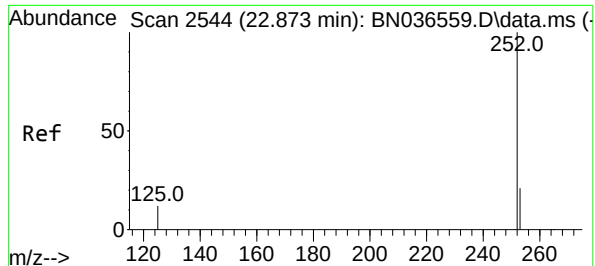
Ion Ratio Lower Upper

276 100

138 28.1 23.4 35.2

277 24.5 20.0 30.0





#37

Benzo(b)fluoranthene

Concen: 0.423 ng

RT: 22.879 min Scan# 2544

Delta R.T. 0.006 min

Lab File: BN036564.D

Acq: 10 Mar 2025 16:38

Instrument :

BNA_N

ClientSampleId :

ICVBN031025

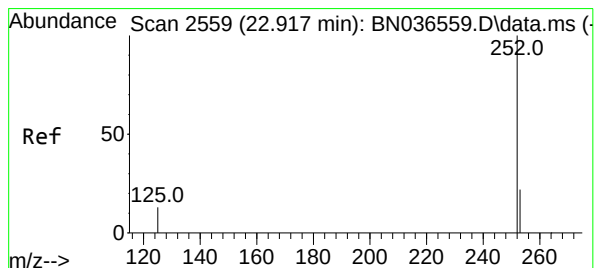
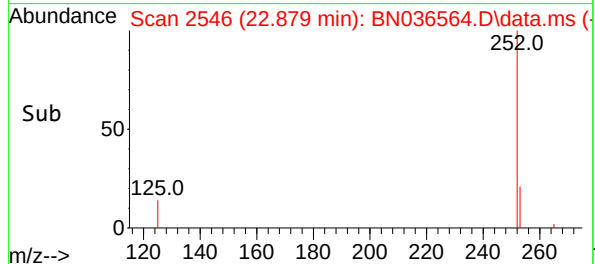
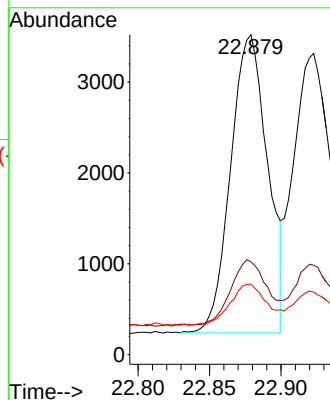
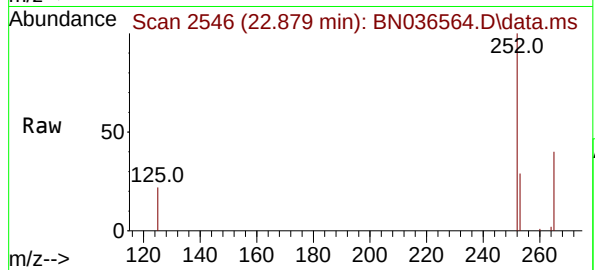
Tgt Ion:252 Resp: 5902

Ion Ratio Lower Upper

252 100

253 29.0 23.9 35.9

125 22.1 17.4 26.2



#38

Benzo(k)fluoranthene

Concen: 0.429 ng

RT: 22.923 min Scan# 2561

Delta R.T. 0.006 min

Lab File: BN036564.D

Acq: 10 Mar 2025 16:38

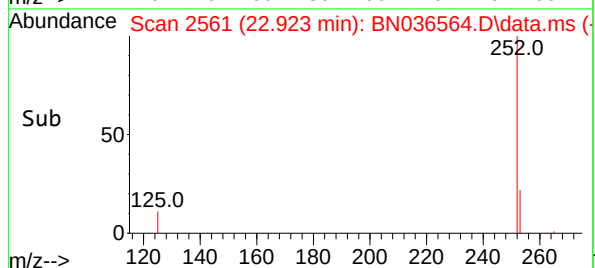
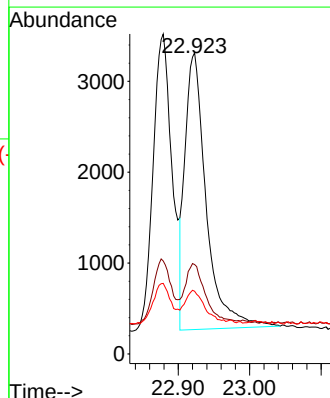
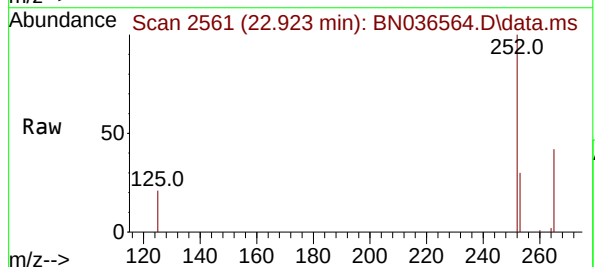
Tgt Ion:252 Resp: 6286

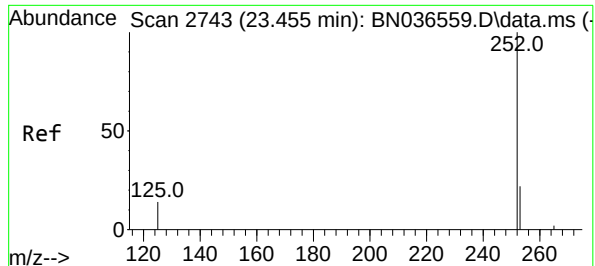
Ion Ratio Lower Upper

252 100

253 29.7 24.6 36.8

125 20.8 17.8 26.8





#39

Benzo(a)pyrene

Concen: 0.438 ng

RT: 23.458 min Scan# 21

Delta R.T. 0.003 min

Lab File: BN036564.D

Acq: 10 Mar 2025 16:38

Instrument :

BNA_N

ClientSampleId :

ICVBN031025

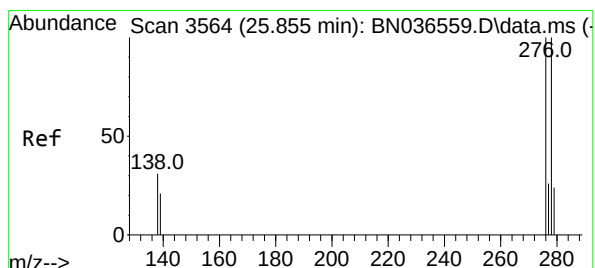
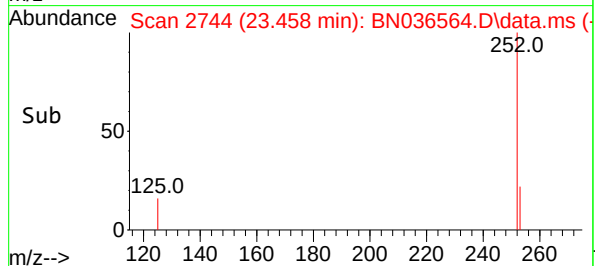
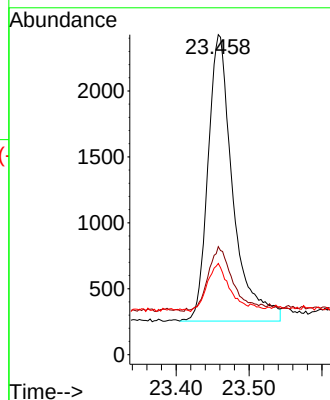
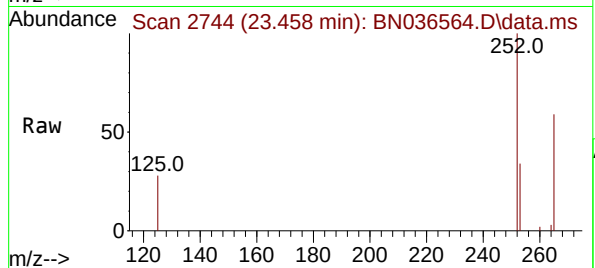
Tgt Ion:252 Resp: 5147

Ion Ratio Lower Upper

252 100

253 33.7 27.8 41.8

125 28.5 22.7 34.1



#40

Dibenzo(a,h)anthracene

Concen: 0.440 ng

RT: 25.855 min Scan# 3564

Delta R.T. 0.000 min

Lab File: BN036564.D

Acq: 10 Mar 2025 16:38

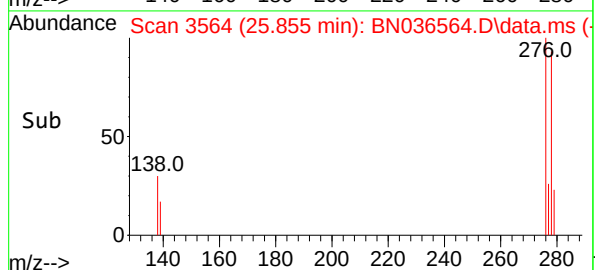
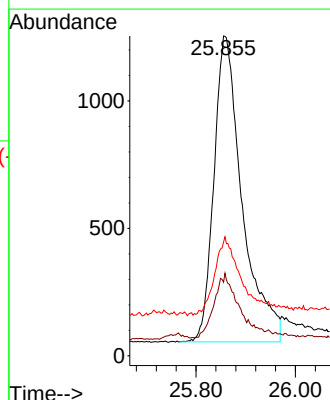
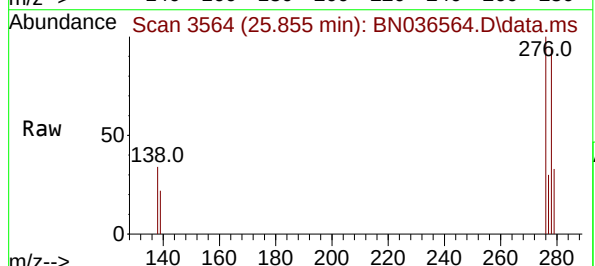
Tgt Ion:278 Resp: 4740

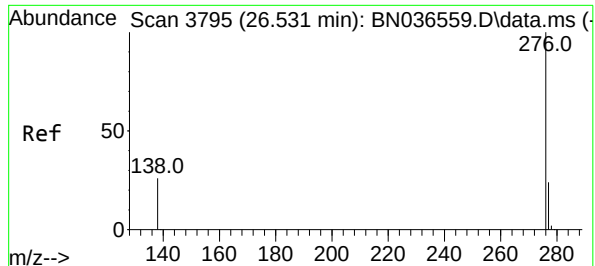
Ion Ratio Lower Upper

278 100

139 23.0 20.8 31.2

279 35.5 28.8 43.2





#41

Benzo(g,h,i)perylene

Concen: 0.477 ng

RT: 26.534 min Scan# 31

Delta R.T. 0.003 min

Lab File: BN036564.D

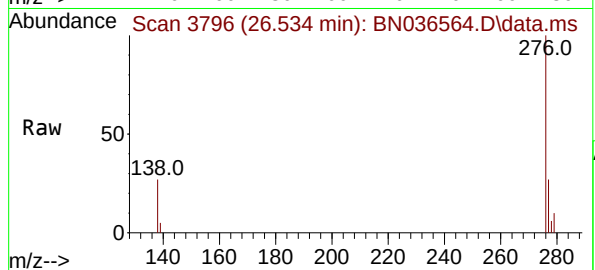
Acq: 10 Mar 2025 16:38

Instrument :

BNA_N

ClientSampleId :

ICVBN031025



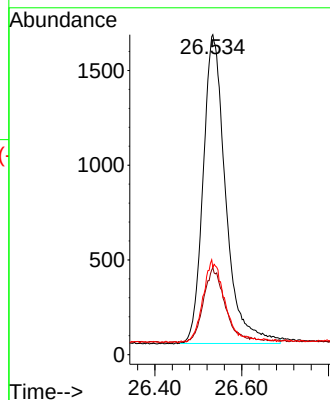
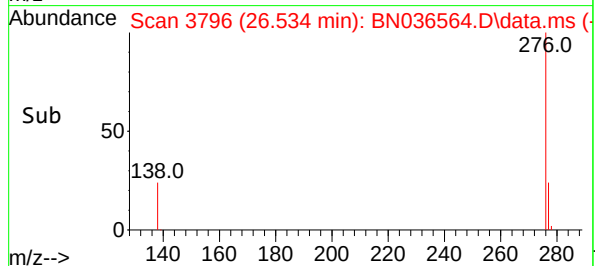
Tgt Ion:276 Resp: 5877

Ion Ratio Lower Upper

276 100

277 27.2 22.2 33.4

138 27.2 24.1 36.1



Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN031025\
 Data File : BN036564.D
 Acq On : 10 Mar 2025 16:38
 Operator : RC/JU
 Sample : SSTDICV0.4
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 ICVBN031025

Quant Time: Mar 10 17:10:04 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN031025.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Mar 10 16:06:28 2025
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1 I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	113	0.00
2	1,4-Dioxane	0.444	0.521	-17.3	118	0.00
3	n-Nitrosodimethylamine	0.898	0.918	-2.2	111	0.00
4 S	2-Fluorophenol	0.932	0.972	-4.3	111	0.00
5 S	Phenol-d6	1.152	1.103	4.3	110	0.00
6	bis(2-Chloroethyl)ether	1.190	1.184	0.5	113	0.00
7 I	Naphthalene-d8	1.000	1.000	0.0	111	0.00
8 S	Nitrobenzene-d5	0.435	0.418	3.9	112	0.00
9	Naphthalene	1.177	1.191	-1.2	109	0.00
10	Hexachlorobutadiene	0.277	0.301	-8.7	113	0.00
11 SURR	2-Methylnaphthalene-d10	0.595	0.594	0.2	108	0.00
12	2-Methylnaphthalene	0.749	0.721	3.7	104	0.00
13 I	Acenaphthene-d10	1.000	1.000	0.0	102	0.00
14 S	2,4,6-Tribromophenol	0.182	0.166	8.8	90	0.00
15 S	2-Fluorobiphenyl	2.327	2.513	-8.0	107	0.00
16	Acenaphthylene	1.888	1.964	-4.0	103	0.00
17	Acenaphthene	1.236	1.308	-5.8	104	0.00
18	Fluorene	1.672	1.694	-1.3	98	0.00
19 I	Phenanthrene-d10	1.000	1.000	0.0	96	0.00
20	4,6-Dinitro-2-methylphenol	0.086	0.070	18.6	87	0.01
21	4-Bromophenyl-phenylether	0.251	0.264	-5.2	93	0.00
22	Hexachlorobenzene	0.303	0.344	-13.5	98	0.00
23	Atrazine	0.201	0.202	-0.5	91	0.01
24	Pentachlorophenol	0.138	0.121	12.3	85	0.00
25	Phenanthrene	1.200	1.251	-4.2	93	0.00
26	Anthracene	1.083	1.100	-1.6	92	0.00
27 SURR	Fluoranthene-d10	1.025	1.065	-3.9	92	0.00
28	Fluoranthene	1.348	1.396	-3.6	93	0.00
29 I	Chrysene-d12	1.000	1.000	0.0	103	0.00
30	Pyrene	1.956	1.933	1.2	93	0.00
31 S	Terphenyl-d14	0.958	0.920	4.0	92	0.00
32	Benzo(a)anthracene	1.391	1.378	0.9	98	0.00
33	Chrysene	1.520	1.645	-8.2	105	0.00
34	Bis(2-ethylhexyl)phthalate	0.990	0.852	13.9	84	0.00
35 I	Perylene-d12	1.000	1.000	0.0	108	0.00
36	Indeno(1,2,3-cd)pyrene	1.444	1.671	-15.7	117	0.00
37	Benzo(b)fluoranthene	1.456	1.539	-5.7	108	0.00
38	Benzo(k)fluoranthene	1.527	1.639	-7.3	110	0.00
39 C	Benzo(a)pyrene	1.226	1.342	-9.5	112	0.00
40	Dibenzo(a,h)anthracene	1.124	1.236	-10.0	115	0.00
41	Benzo(g,h,i)perylene	1.286	1.532	-19.1	120	0.00

(#) = Out of Range

SPCC's out = 0 CCC's out = 0

Instrument :

BNA_N

ClientSampleId :

ICVBN031025

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN031025\
 Data File : BN036564.D
 Acq On : 10 Mar 2025 16:38
 Operator : RC/JU
 Sample : SSTDICV0.4
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 ICVBN031025

Quant Time: Mar 10 17:10:04 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN031025.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Mar 10 16:06:28 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	0.400	0.400	0.0	113	0.00
2	1,4-Dioxane	0.400	0.470	-17.5	118	0.00
3	n-Nitrosodimethylamine	0.400	0.409	-2.2	111	0.00
4 S	2-Fluorophenol	0.400	0.417	-4.2	111	0.00
5 S	Phenol-d6	0.400	0.383	4.3	110	0.00
6	bis(2-Chloroethyl)ether	0.400	0.398	0.5	113	0.00
7 I	Naphthalene-d8	0.400	0.400	0.0	111	0.00
8 S	Nitrobenzene-d5	0.400	0.384	4.0	112	0.00
9	Naphthalene	0.400	0.405	-1.3	109	0.00
10	Hexachlorobutadiene	0.400	0.434	-8.5	113	0.00
11 SURR	2-Methylnaphthalene-d10	0.400	0.399	0.3	108	0.00
12	2-Methylnaphthalene	0.400	0.385	3.8	104	0.00
13 I	Acenaphthene-d10	0.400	0.400	0.0	102	0.00
14 S	2,4,6-Tribromophenol	0.400	0.365	8.8	90	0.00
15 S	2-Fluorobiphenyl	0.400	0.432	-8.0	107	0.00
16	Acenaphthylene	0.400	0.416	-4.0	103	0.00
17	Acenaphthene	0.400	0.423	-5.7	104	0.00
18	Fluorene	0.400	0.405	-1.3	98	0.00
19 I	Phenanthrene-d10	0.400	0.400	0.0	96	0.00
20	4,6-Dinitro-2-methylphenol	0.400	0.420	-5.0	87	0.01
21	4-Bromophenyl-phenylether	0.400	0.421	-5.2	93	0.00
22	Hexachlorobenzene	0.400	0.455	-13.7	98	0.00
23	Atrazine	0.400	0.401	-0.3	91	0.01
24	Pentachlorophenol	0.400	0.351	12.3	85	0.00
25	Phenanthrene	0.400	0.417	-4.2	93	0.00
26	Anthracene	0.400	0.407	-1.7	92	0.00
27 SURR	Fluoranthene-d10	0.400	0.415	-3.7	92	0.00
28	Fluoranthene	0.400	0.414	-3.5	93	0.00
29 I	Chrysene-d12	0.400	0.400	0.0	103	0.00
30	Pyrene	0.400	0.395	1.3	93	0.00
31 S	Terphenyl-d14	0.400	0.384	4.0	92	0.00
32	Benzo(a)anthracene	0.400	0.396	1.0	98	0.00
33	Chrysene	0.400	0.433	-8.2	105	0.00
34	Bis(2-ethylhexyl)phthalate	0.400	0.344	14.0	84	0.00
35 I	Perylene-d12	0.400	0.400	0.0	108	0.00
36	Indeno(1,2,3-cd)pyrene	0.400	0.463	-15.8	117	0.00
37	Benzo(b)fluoranthene	0.400	0.423	-5.7	108	0.00
38	Benzo(k)fluoranthene	0.400	0.429	-7.2	110	0.00
39 C	Benzo(a)pyrene	0.400	0.438	-9.5	112	0.00
40	Dibenzo(a,h)anthracene	0.400	0.440	-10.0	115	0.00
41	Benzo(g,h,i)perylene	0.400	0.477	-19.2	120	0.00

(#) = Out of Range

SPCC's out = 0 CCC's out = 0

Instrument :

BNA_N

ClientSampleId :

ICVBN031025



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

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: GENV01

Lab Code: CHEM Case No.: Q1736 SAS No.: Q1736 SDG No.: Q1736

Instrument ID: BNA_N Calibration Date/Time: 04/07/2025 09:10

Lab File ID: BN036847.D Init. Calib. Date(s): 03/10/2025 03/10/2025

EPA Sample No.: SSTDCCC0.4 Init. Calib. Time(s): 11:42 15:19

GC Column: ZB-GR ID: 0.25 (mm)

COMPOUND	RRF	RRF0.4	MIN RRF	%D	MAX%D
2-Methylnaphthalene-d10	0.595	0.593		-0.3	20.0
Fluoranthene-d10	1.025	1.128		10.0	20.0
2-Fluorophenol	0.932	0.910		-2.4	20.0
Phenol-d6	1.152	1.108		-3.8	20.0
Nitrobenzene-d5	0.435	0.406		-6.7	20.0
2-Fluorobiphenyl	2.327	2.119		-8.9	20.0
2,4,6-Tribromophenol	0.182	0.174		-4.4	20.0
Terphenyl-d14	0.958	0.887		-7.4	20.0
1,4-Dioxane	0.444	0.474		6.8	20.0

All other compounds must meet a minimum RRF of 0.010.

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN040725\
 Data File : BN036847.D
 Acq On : 07 Apr 2025 09:10
 Operator : RC/JU
 Sample : SSTDCCC0.4
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 SSTDCCC0.4

Quant Time: Apr 07 10:42:23 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN031025.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Apr 04 17:30:43 2025
 Response via : Initial Calibration

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

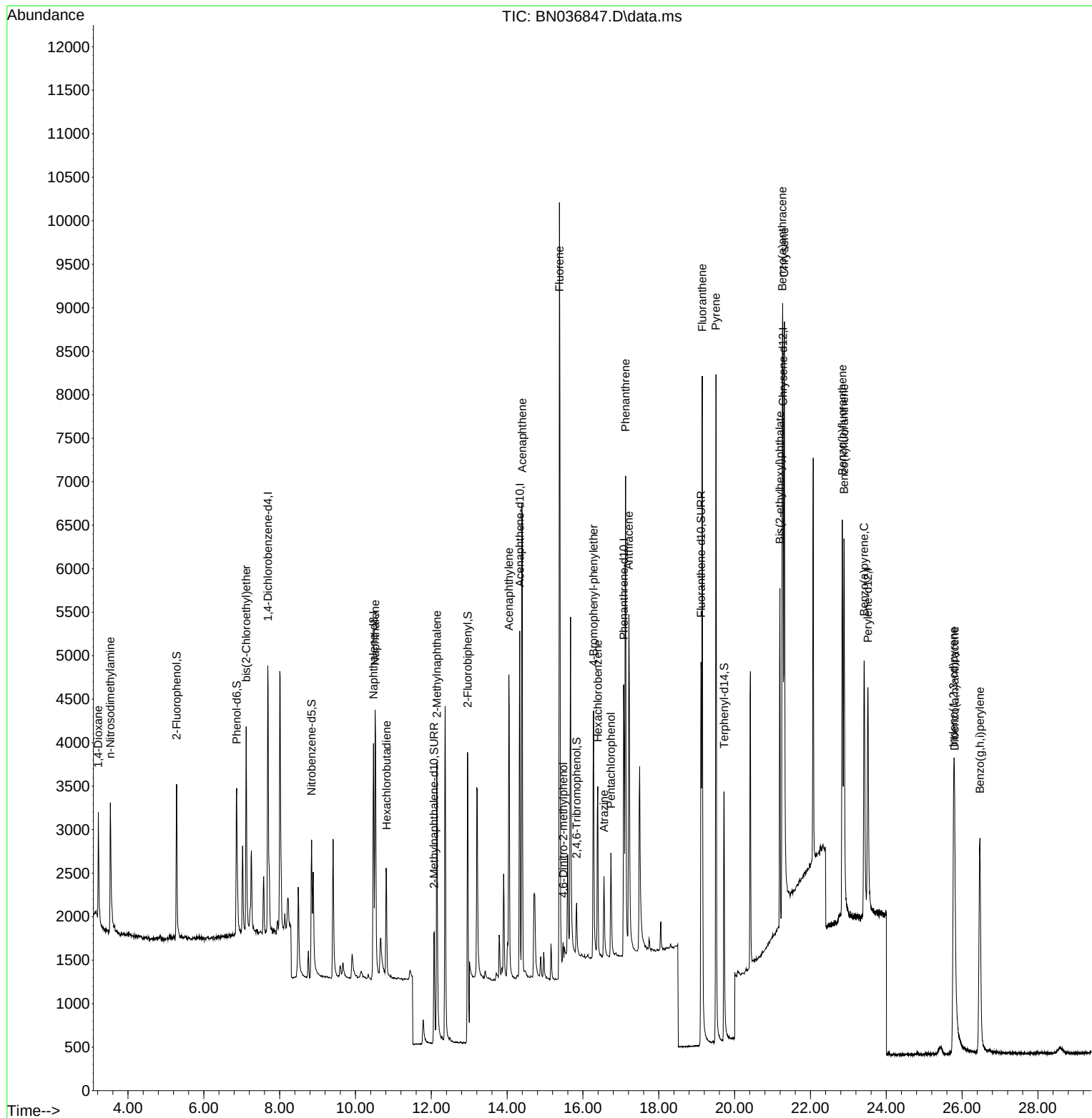
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.688	152	1549	0.400	ng	0.00
7) Naphthalene-d8	10.477	136	3923	0.400	ng	0.00
13) Acenaphthene-d10	14.334	164	2335	0.400	ng	0.00
19) Phenanthrene-d10	17.074	188	5079	0.400	ng	# 0.00
29) Chrysene-d12	21.277	240	4233	0.400	ng	# 0.00
35) Perylene-d12	23.516	264	3968	0.400	ng	# 0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.283	112	1410	0.391	ng	0.00
5) Phenol-d6	6.865	99	1716	0.385	ng	0.00
8) Nitrobenzene-d5	8.843	82	1593	0.373	ng	0.00
11) 2-Methylnaphthalene-d10	12.070	152	2328	0.399	ng	0.00
14) 2,4,6-Tribromophenol	15.833	330	407	0.384	ng	0.00
15) 2-Fluorobiphenyl	12.958	172	4949	0.364	ng	0.00
27) Fluoranthene-d10	19.113	212	5730	0.440	ng	0.00
31) Terphenyl-d14	19.722	244	3755	0.370	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.218	88	734	0.427	ng	92
3) n-Nitrosodimethylamine	3.535	42	1544	0.444	ng	# 98
6) bis(2-Chloroethyl)ether	7.118	93	1860	0.403	ng	100
9) Naphthalene	10.519	128	4595	0.398	ng	100
10) Hexachlorobutadiene	10.818	225	1067	0.393	ng	# 99
12) 2-Methylnaphthalene	12.146	142	2892	0.394	ng	99
16) Acenaphthylene	14.045	152	4321	0.392	ng	99
17) Acenaphthene	14.398	154	2923	0.405	ng	99
18) Fluorene	15.382	166	4059	0.416	ng	99
20) 4,6-Dinitro-2-methylph...	15.478	198	376	0.436	ng	94
21) 4-Bromophenyl-phenylether	16.280	248	1208	0.380	ng	# 87
22) Hexachlorobenzene	16.391	284	1498	0.390	ng	97
23) Atrazine	16.553	200	989	0.388	ng	96
24) Pentachlorophenol	16.739	266	719	0.410	ng	97
25) Phenanthrene	17.124	178	6306	0.414	ng	99
26) Anthracene	17.210	178	5484	0.399	ng	98
28) Fluoranthene	19.146	202	7695	0.450	ng	99
30) Pyrene	19.508	202	7751	0.374	ng	100
32) Benzo(a)anthracene	21.259	228	5720	0.389	ng	99
33) Chrysene	21.313	228	7221	0.449	ng	98
34) Bis(2-ethylhexyl)phtha...	21.196	149	3698	0.353	ng	# 99
36) Indeno(1,2,3-cd)pyrene	25.773	276	5962	0.416	ng	96
37) Benzo(b)fluoranthene	22.841	252	6173	0.427	ng	96
38) Benzo(k)fluoranthene	22.885	252	6741	0.445	ng	93
39) Benzo(a)pyrene	23.417	252	5226	0.430	ng	93
40) Dibenzo(a,h)anthracene	25.803	278	4339	0.389	ng	96
41) Benzo(g,h,i)perylene	26.469	276	5619	0.441	ng	98

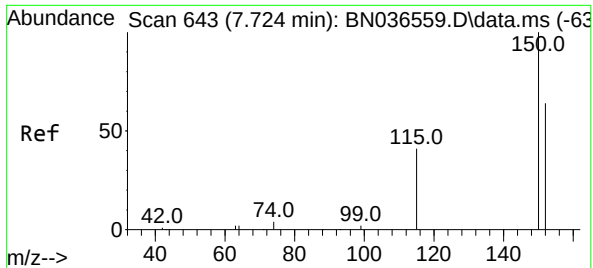
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 Acq On : 07 Apr 2025 09:10
 Operator : RC/JU
 Sample : SSTDCCC0.4
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 SSTDCCC0.4

Quant Time: Apr 07 10:42:23 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN031025.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Apr 04 17:30:43 2025
 Response via : Initial Calibration

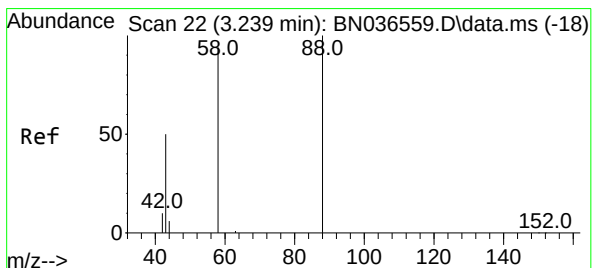
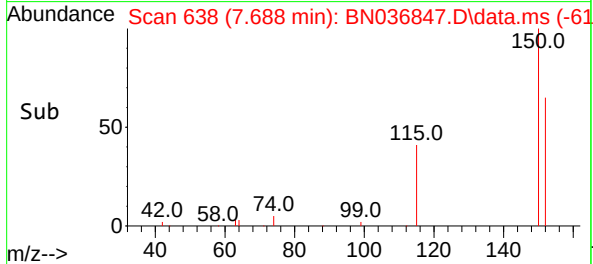
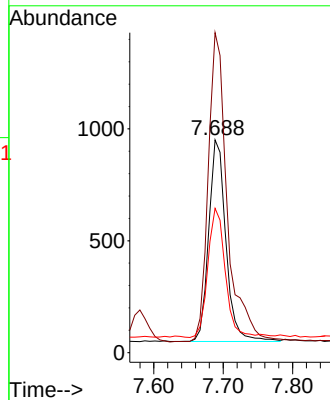
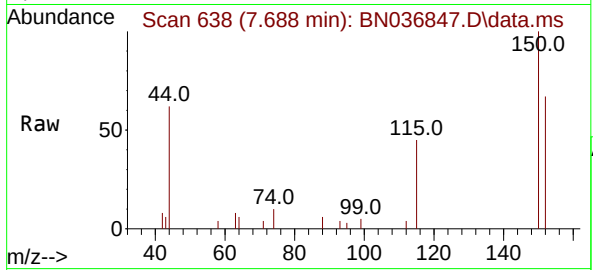




#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.688 min Scan# 61
Delta R.T. 0.000 min
Lab File: BN036847.D
Acq: 07 Apr 2025 09:10

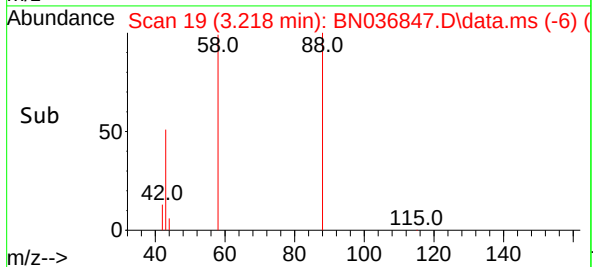
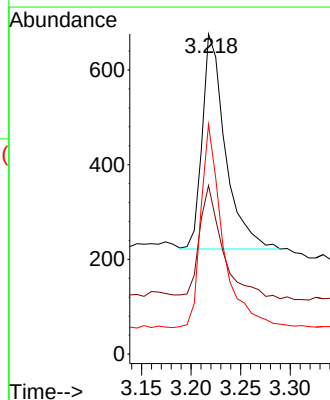
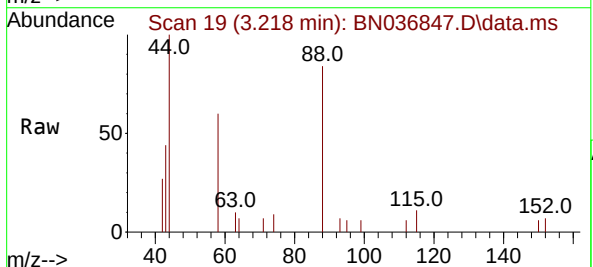
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BNA_N
ClientSampleId :
SSTDCCC0.4

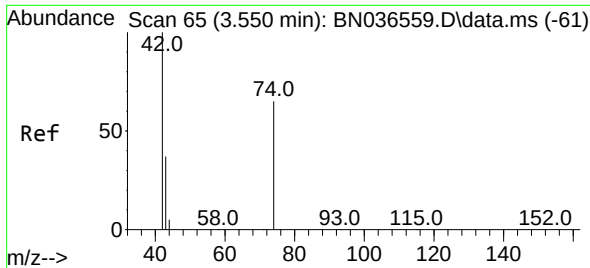
Tgt Ion:152 Resp: 1549
Ion Ratio Lower Upper
152 100
150 150.4 123.7 185.5
115 67.8 54.3 81.5



#2
1,4-Dioxane
Concen: 0.427 ng
RT: 3.218 min Scan# 19
Delta R.T. -0.007 min
Lab File: BN036847.D
Acq: 07 Apr 2025 09:10

Tgt Ion: 88 Resp: 734
Ion Ratio Lower Upper
88 100
43 53.5 37.8 56.8
58 90.7 67.4 101.2

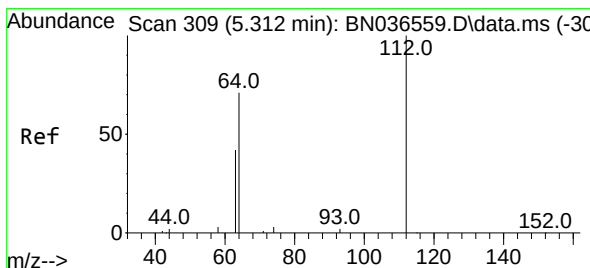
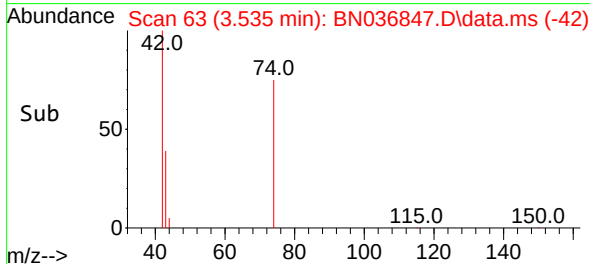
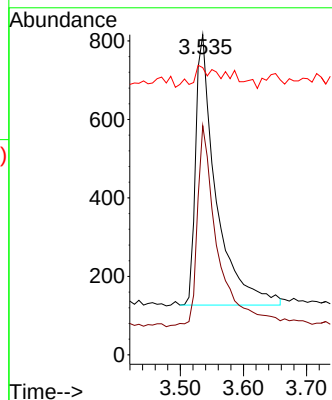
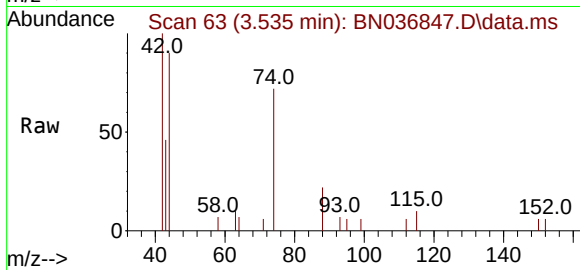




#3
n-Nitrosodimethylamine
Concen: 0.444 ng
RT: 3.535 min Scan# 61
Delta R.T. -0.000 min
Lab File: BN036847.D
Acq: 07 Apr 2025 09:10

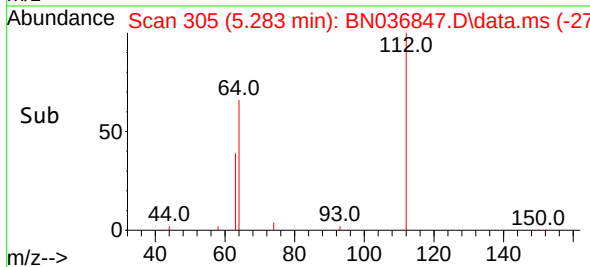
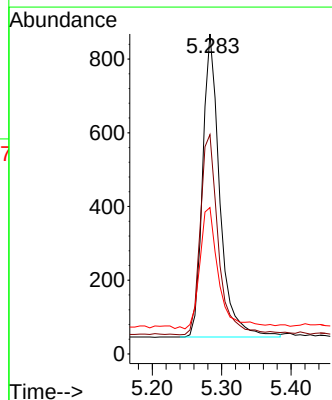
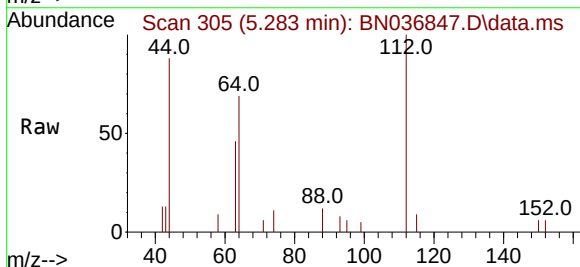
Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

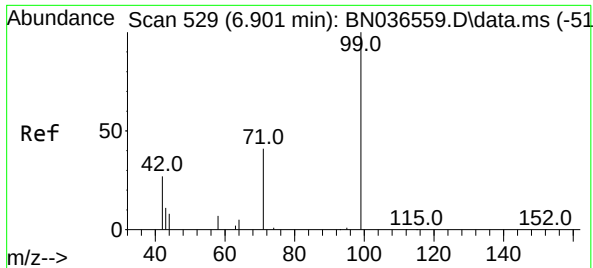
Tgt Ion: 42 Resp: 1544
Ion Ratio Lower Upper
42 100
74 74.7 60.6 90.8
44 6.1 6.3 9.5#



#4
2-Fluorophenol
Concen: 0.391 ng
RT: 5.283 min Scan# 305
Delta R.T. -0.000 min
Lab File: BN036847.D
Acq: 07 Apr 2025 09:10

Tgt Ion: 112 Resp: 1410
Ion Ratio Lower Upper
112 100
64 70.4 53.1 79.7
63 45.0 31.8 47.8

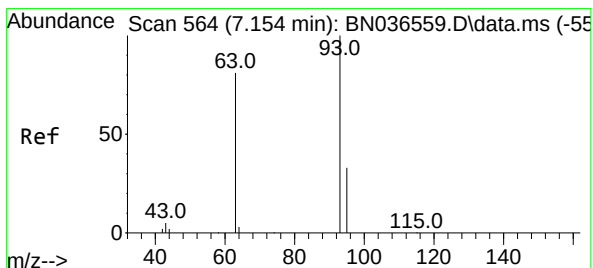
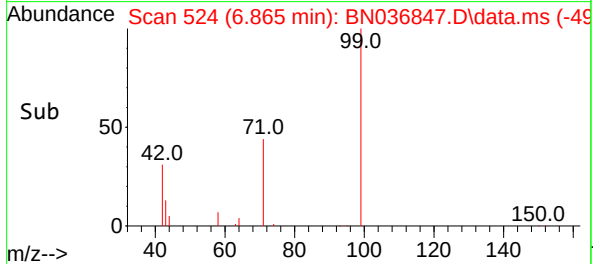
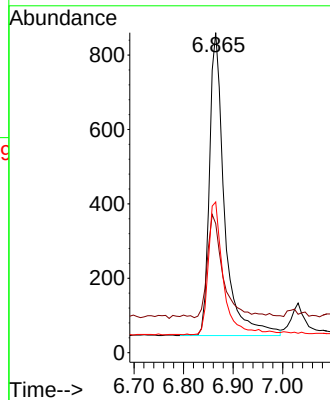
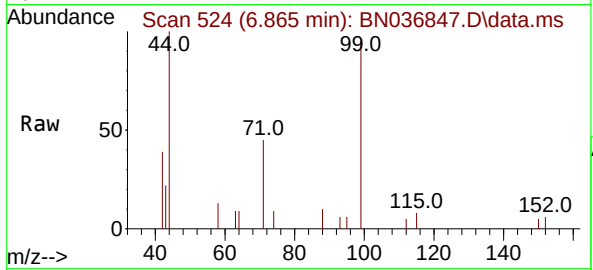




#5
Phenol-d6
Concen: 0.385 ng
RT: 6.865 min Scan# 51
Delta R.T. -0.000 min
Lab File: BN036847.D
Acq: 07 Apr 2025 09:10

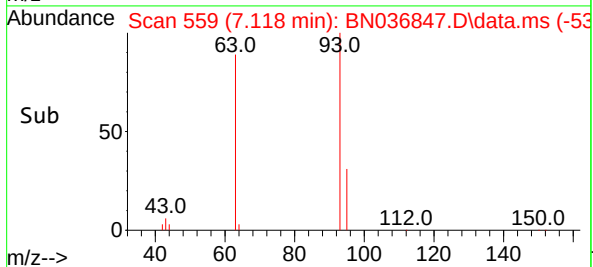
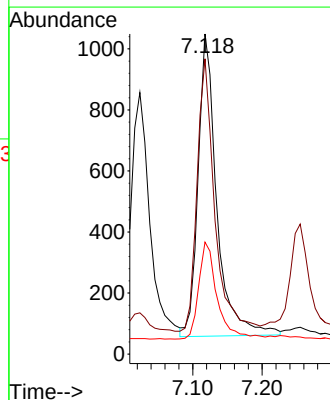
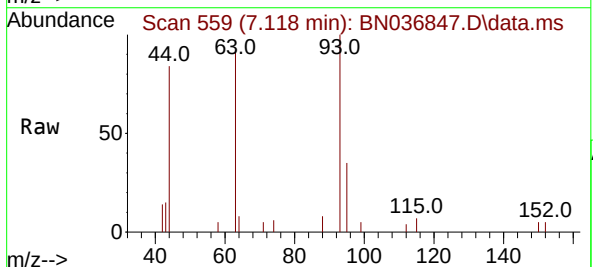
Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

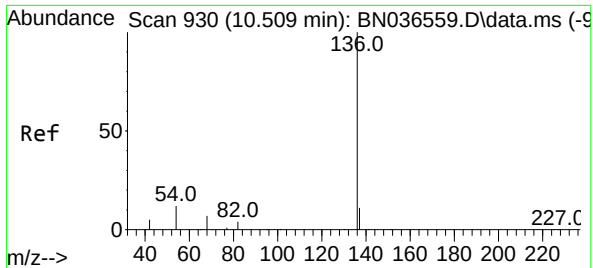
Tgt Ion: 99 Resp: 1716
Ion Ratio Lower Upper
99 100
42 36.0 26.5 39.7
71 43.4 34.1 51.1



#6
bis(2-Chloroethyl)ether
Concen: 0.403 ng
RT: 7.118 min Scan# 559
Delta R.T. -0.000 min
Lab File: BN036847.D
Acq: 07 Apr 2025 09:10

Tgt Ion: 93 Resp: 1860
Ion Ratio Lower Upper
93 100
63 84.7 67.7 101.5
95 31.8 25.6 38.4

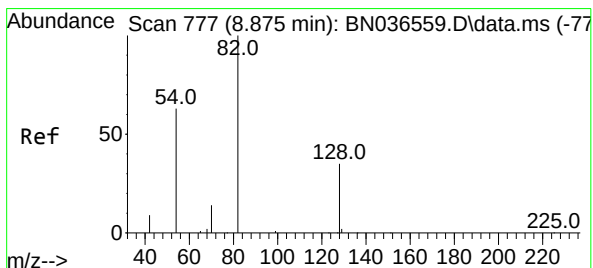
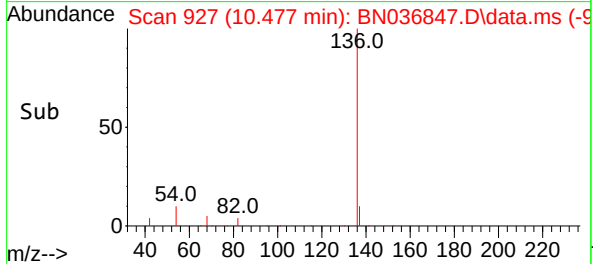
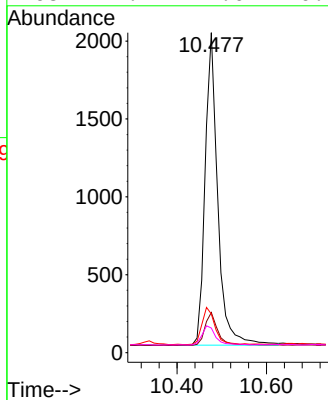
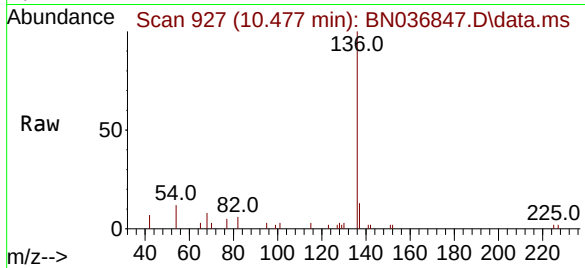




#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.477 min Scan# 91
Delta R.T. -0.000 min
Lab File: BN036847.D
Acq: 07 Apr 2025 09:10

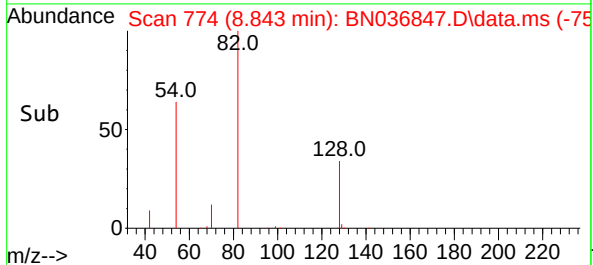
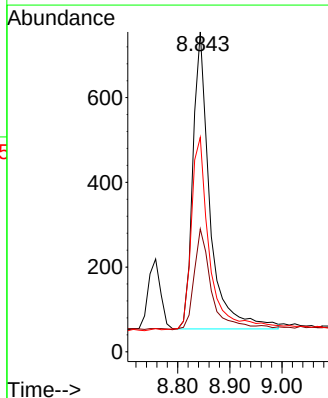
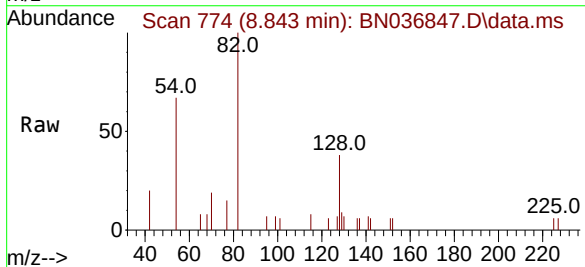
Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

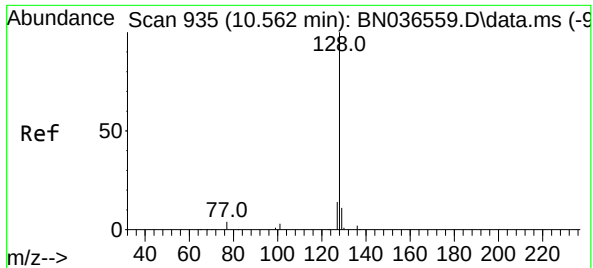
Tgt Ion:	136	Resp:	3923
Ion	Ratio	Lower	Upper
136	100		
137	12.5	10.3	15.5
54	12.1	11.5	17.3
68	7.7	7.0	10.4



#8
Nitrobenzene-d5
Concen: 0.373 ng
RT: 8.843 min Scan# 774
Delta R.T. -0.000 min
Lab File: BN036847.D
Acq: 07 Apr 2025 09:10

Tgt Ion:	82	Resp:	1593
Ion	Ratio	Lower	Upper
82	100		
128	38.4	30.6	45.8
54	67.0	52.2	78.4

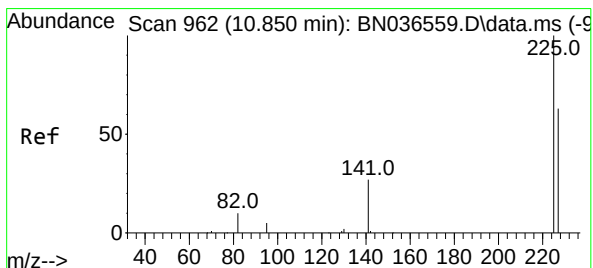
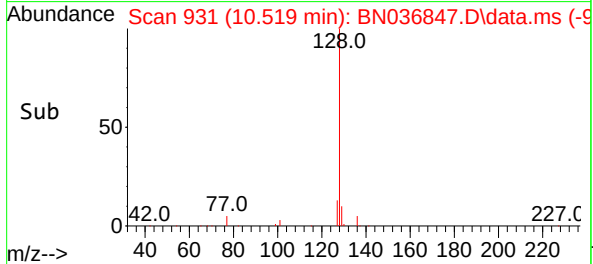
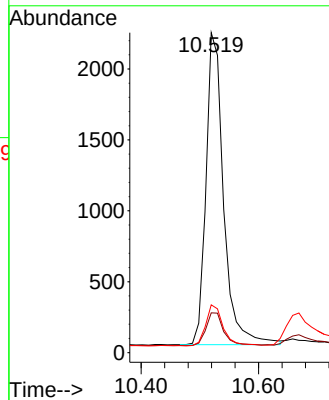
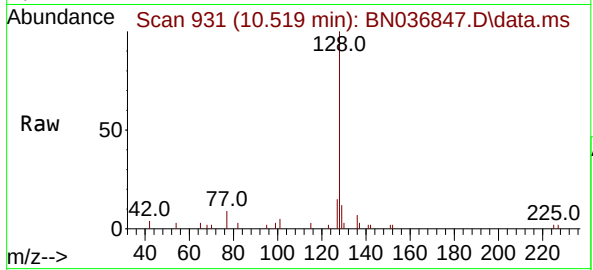




#9
Naphthalene
Concen: 0.398 ng
RT: 10.519 min Scan# 911
Delta R.T. -0.000 min
Lab File: BN036847.D
Acq: 07 Apr 2025 09:10

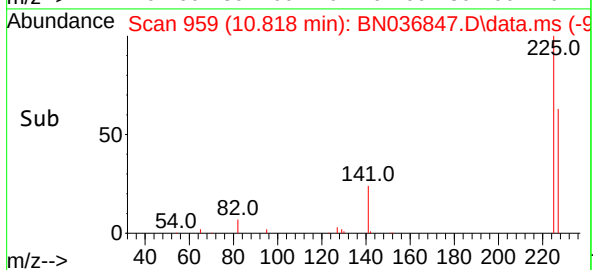
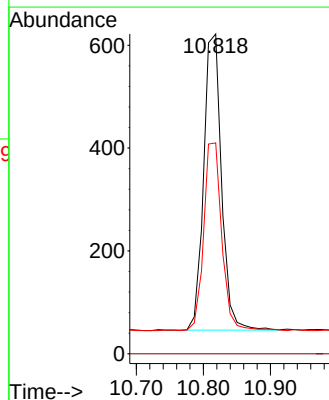
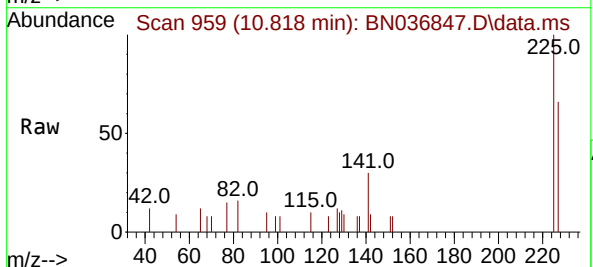
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ClientSampleId :
SSTDCCC0.4

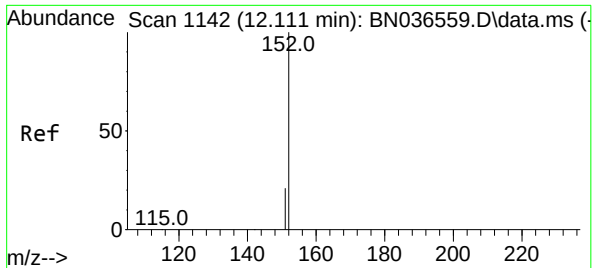
Tgt Ion:128 Resp: 4595
Ion Ratio Lower Upper
128 100
129 12.5 9.8 14.6
127 14.9 11.8 17.8



#10
Hexachlorobutadiene
Concen: 0.393 ng
RT: 10.818 min Scan# 959
Delta R.T. -0.000 min
Lab File: BN036847.D
Acq: 07 Apr 2025 09:10

Tgt Ion:225 Resp: 1067
Ion Ratio Lower Upper
225 100
223 0.0 0.0 0.0
227 64.4 51.8 77.8

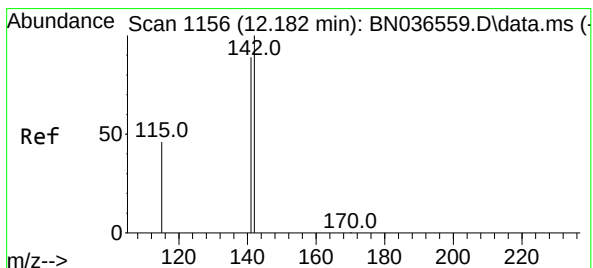
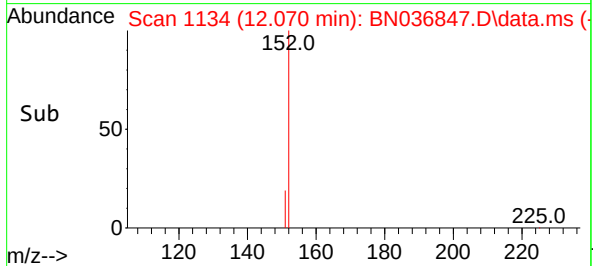
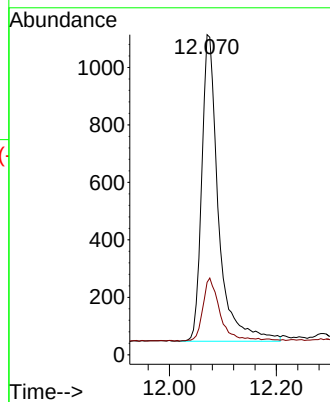
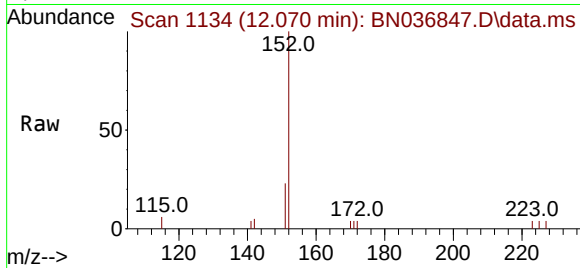




#11
2-Methylnaphthalene-d10
Concen: 0.399 ng
RT: 12.070 min Scan# 1142
Delta R.T. -0.000 min
Lab File: BN036847.D
Acq: 07 Apr 2025 09:10

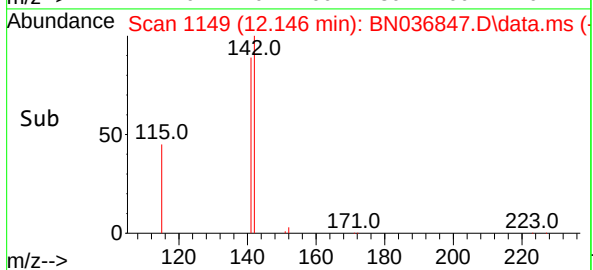
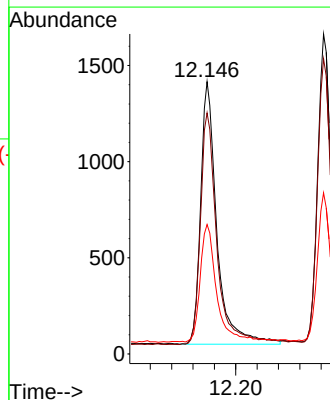
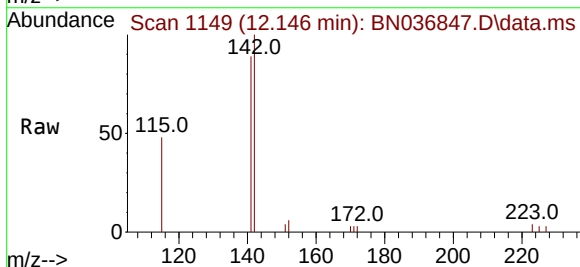
Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

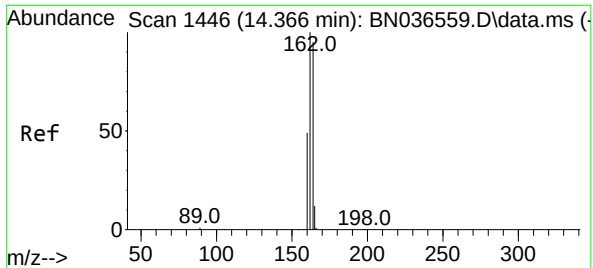
Tgt Ion:152 Resp: 2328
Ion Ratio Lower Upper
152 100
151 21.0 17.0 25.6



#12
2-Methylnaphthalene
Concen: 0.394 ng
RT: 12.146 min Scan# 1149
Delta R.T. -0.000 min
Lab File: BN036847.D
Acq: 07 Apr 2025 09:10

Tgt Ion:142 Resp: 2892
Ion Ratio Lower Upper
142 100
141 88.6 71.7 107.5
115 47.5 38.3 57.5

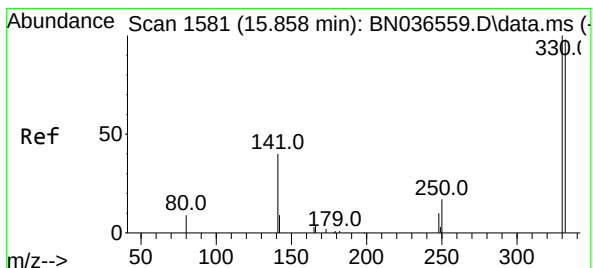
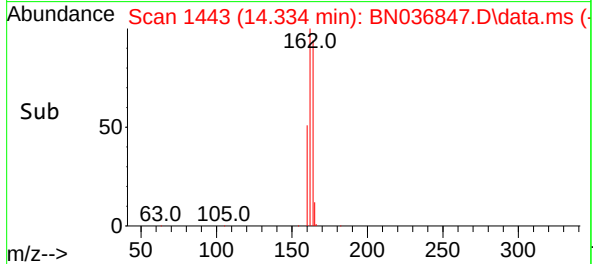
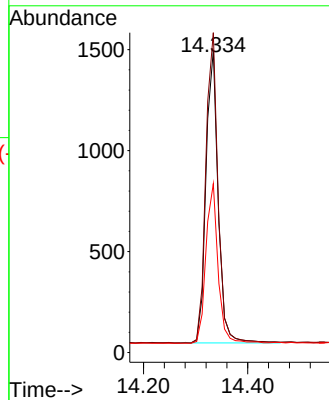
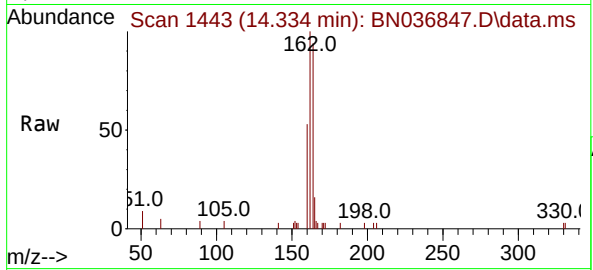




#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.334 min Scan# 14
Delta R.T. -0.000 min
Lab File: BN036847.D
Acq: 07 Apr 2025 09:10

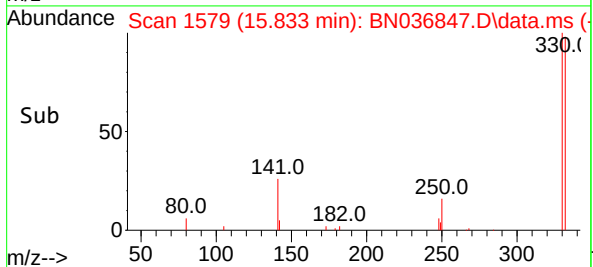
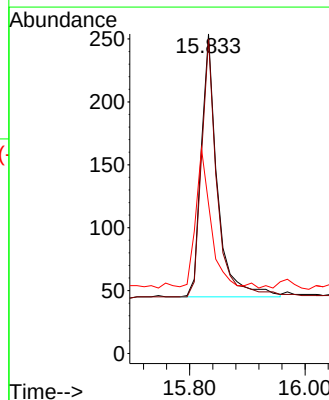
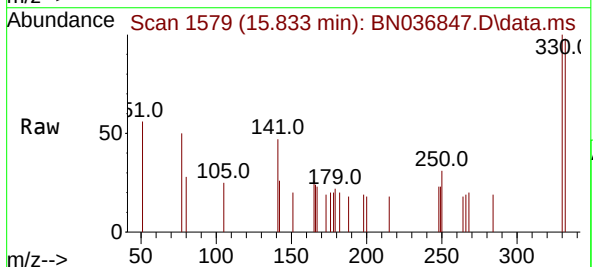
Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

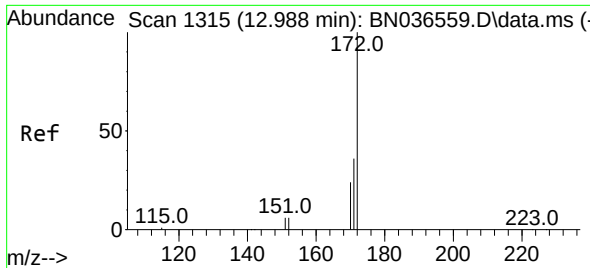
Tgt Ion:164 Resp: 2335
Ion Ratio Lower Upper
164 100
162 105.9 84.2 126.2
160 55.9 42.2 63.2



#14
2,4,6-Tribromophenol
Concen: 0.384 ng
RT: 15.833 min Scan# 1579
Delta R.T. -0.000 min
Lab File: BN036847.D
Acq: 07 Apr 2025 09:10

Tgt Ion:330 Resp: 407
Ion Ratio Lower Upper
330 100
332 94.8 75.2 112.8
141 48.9 43.4 65.2

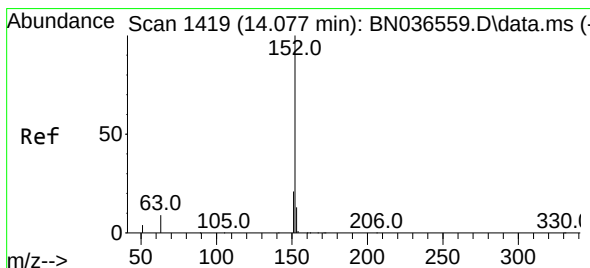
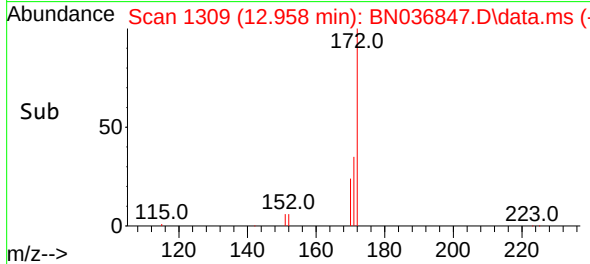
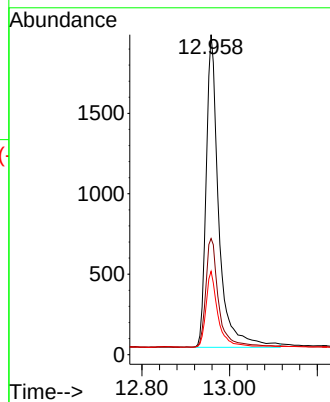
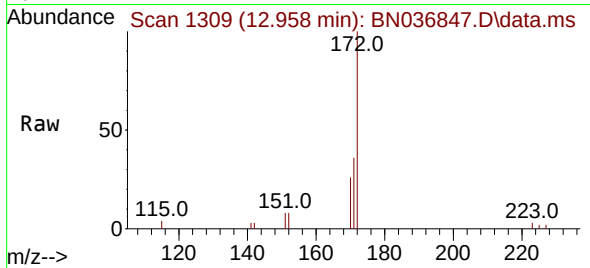




#15
2-Fluorobiphenyl
Concen: 0.364 ng
RT: 12.958 min Scan# 11
Delta R.T. -0.000 min
Lab File: BN036847.D
Acq: 07 Apr 2025 09:10

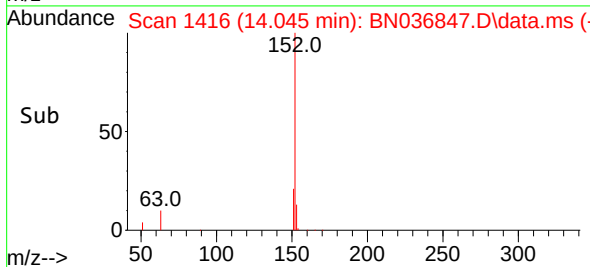
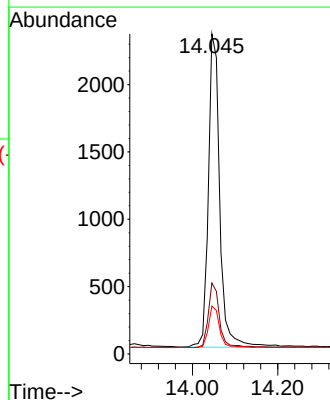
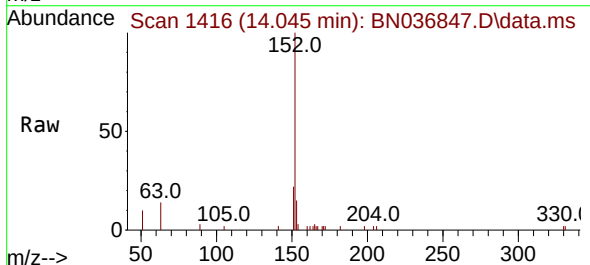
Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

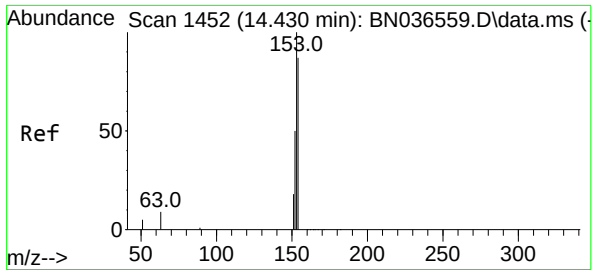
Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.3	29.5	44.3
170	26.0	20.2	30.4



#16
Acenaphthylene
Concen: 0.392 ng
RT: 14.045 min Scan# 1416
Delta R.T. -0.000 min
Lab File: BN036847.D
Acq: 07 Apr 2025 09:10

Tgt Ion	Ratio	Lower	Upper
152	100		
151	20.2	16.2	24.4
153	12.7	10.6	15.8

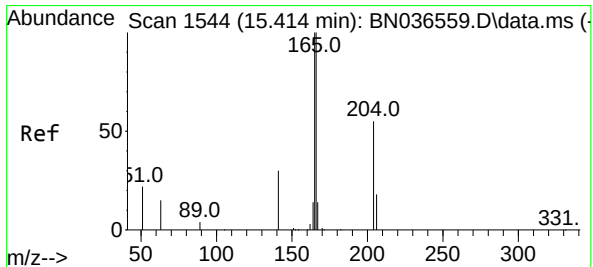
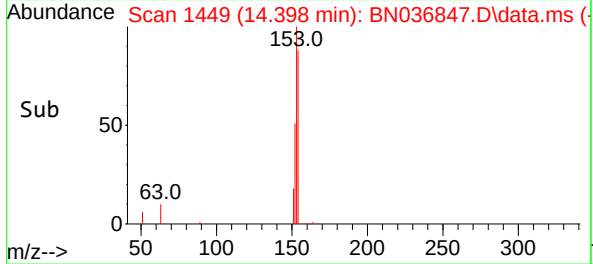
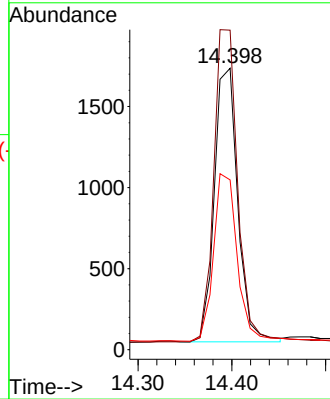
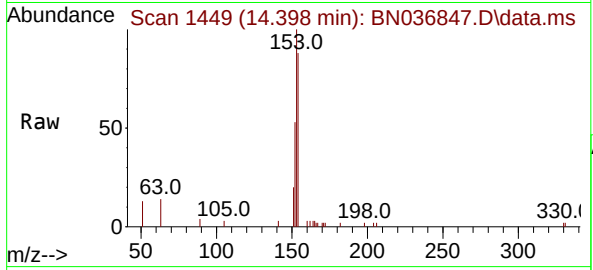




#17
Acenaphthene
Concen: 0.405 ng
RT: 14.398 min Scan# 1449
Delta R.T. -0.000 min
Lab File: BN036847.D
Acq: 07 Apr 2025 09:10

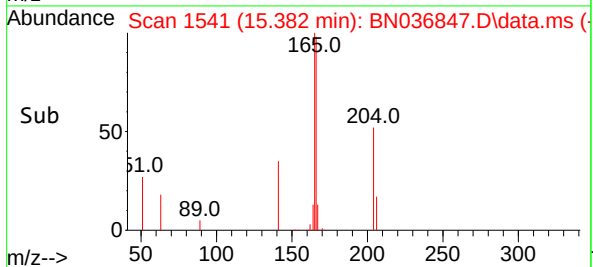
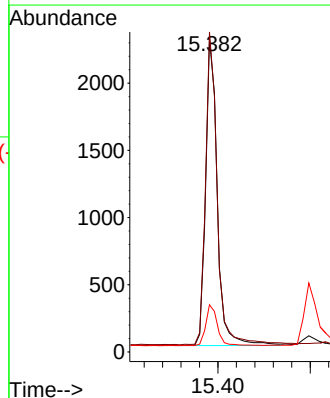
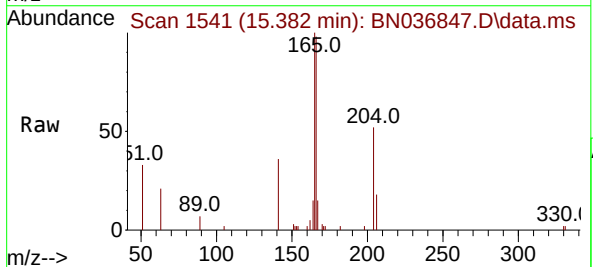
Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

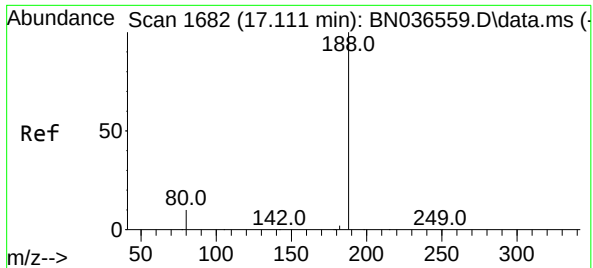
Tgt Ion:154 Resp: 2923
Ion Ratio Lower Upper
154 100
153 118.3 94.1 141.1
152 62.5 49.8 74.6



#18
Fluorene
Concen: 0.416 ng
RT: 15.382 min Scan# 1541
Delta R.T. -0.000 min
Lab File: BN036847.D
Acq: 07 Apr 2025 09:10

Tgt Ion:166 Resp: 4059
Ion Ratio Lower Upper
166 100
165 101.4 79.8 119.8
167 13.0 10.6 15.8

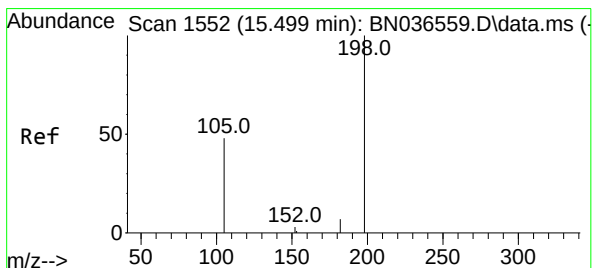
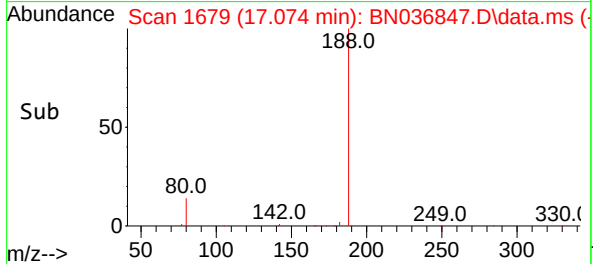
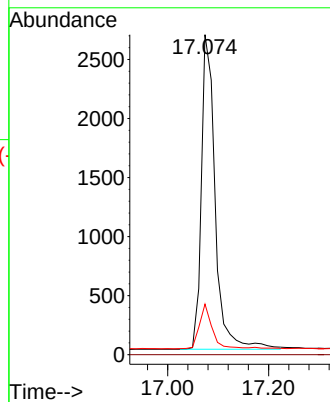
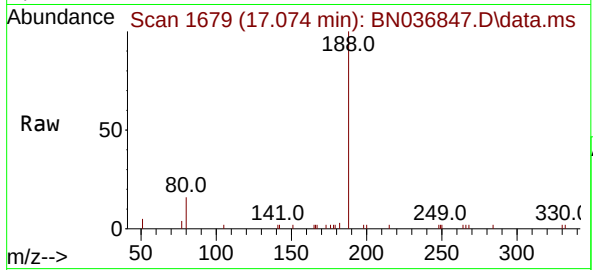




#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.074 min Scan# 1
Delta R.T. -0.000 min
Lab File: BN036847.D
Acq: 07 Apr 2025 09:10

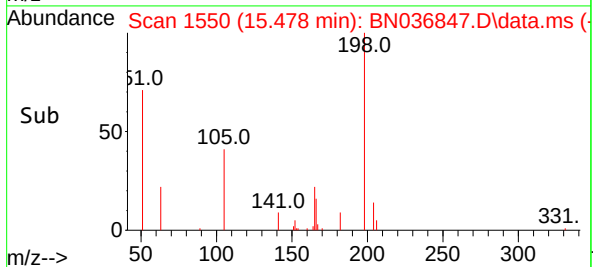
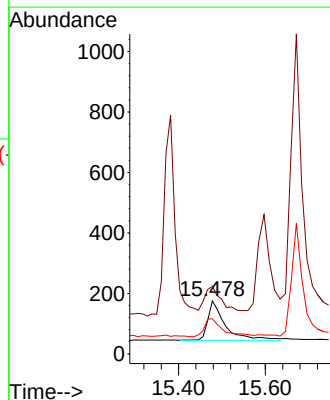
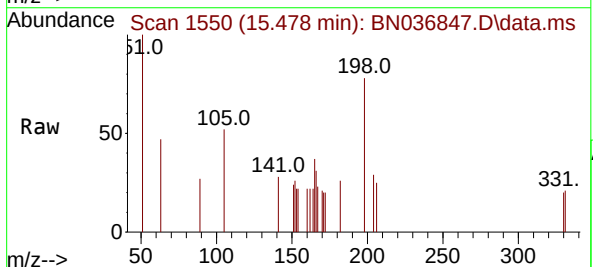
Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

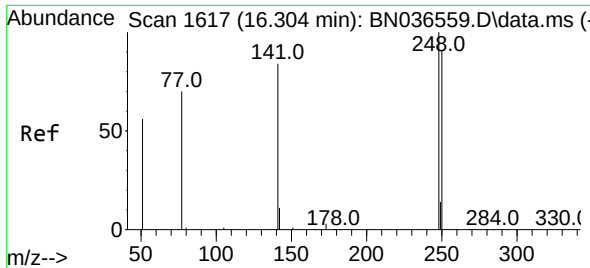
Tgt Ion:188 Resp: 5079
Ion Ratio Lower Upper
188 100
94 0.0 0.0 0.0
80 15.8 8.8 13.2#



#20
4,6-Dinitro-2-methylphenol
Concen: 0.436 ng
RT: 15.478 min Scan# 1550
Delta R.T. -0.000 min
Lab File: BN036847.D
Acq: 07 Apr 2025 09:10

Tgt Ion:198 Resp: 376
Ion Ratio Lower Upper
198 100
51 127.4 107.9 161.9
105 66.3 56.2 84.2

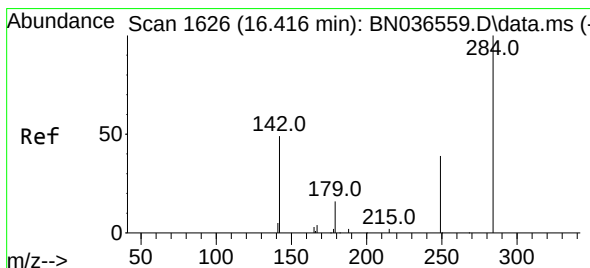
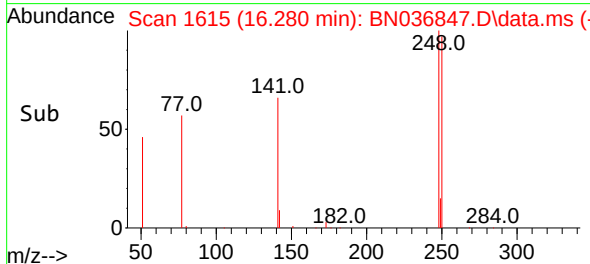
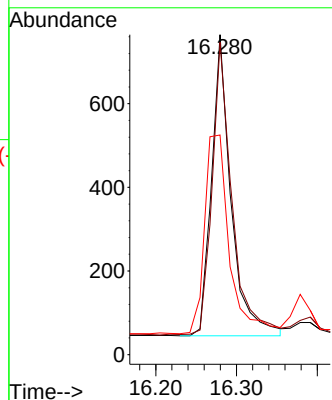
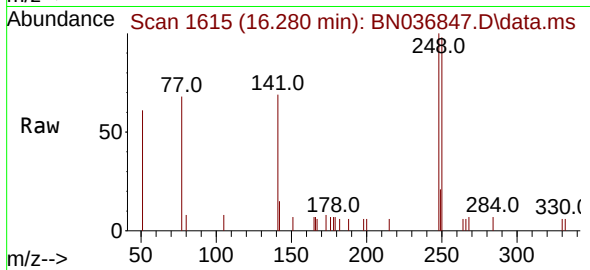




#21
4-Bromophenyl-phenylether
Concen: 0.380 ng
RT: 16.280 min Scan# 1615
Delta R.T. -0.000 min
Lab File: BN036847.D
Acq: 07 Apr 2025 09:10

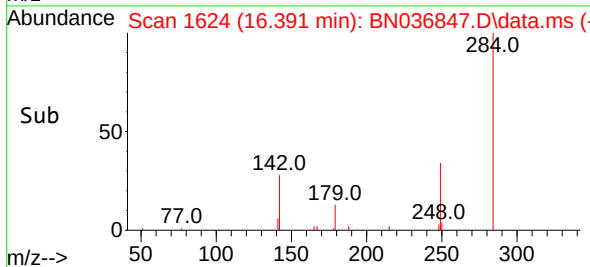
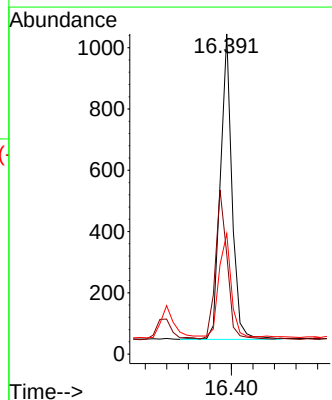
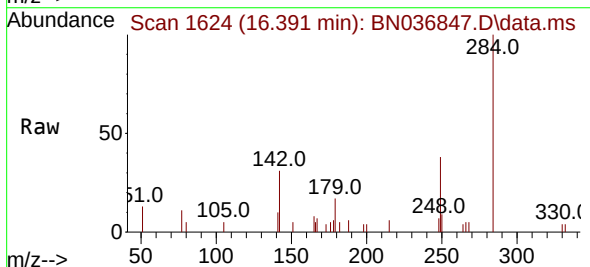
Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

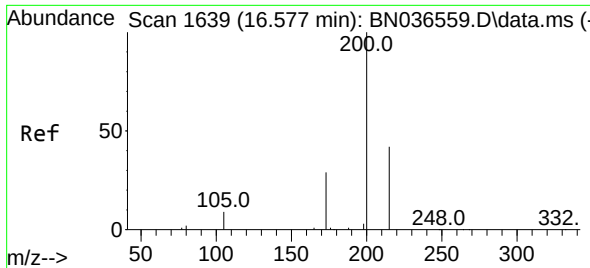
Tgt Ion:248 Resp: 1208
Ion Ratio Lower Upper
248 100
250 97.6 73.0 109.6
141 68.6 68.6 103.0#



#22
Hexachlorobenzene
Concen: 0.390 ng
RT: 16.391 min Scan# 1624
Delta R.T. -0.000 min
Lab File: BN036847.D
Acq: 07 Apr 2025 09:10

Tgt Ion:284 Resp: 1498
Ion Ratio Lower Upper
284 100
142 48.9 37.0 55.4
249 36.3 28.1 42.1

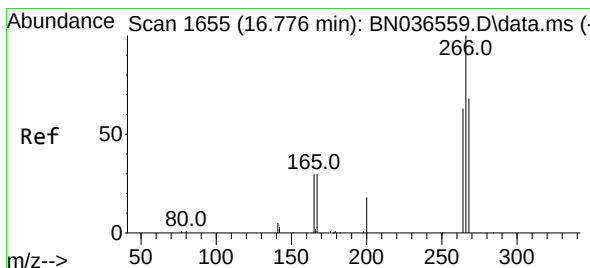
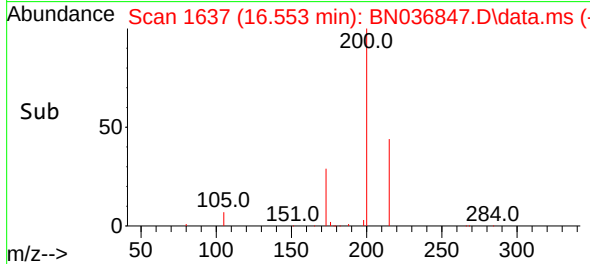
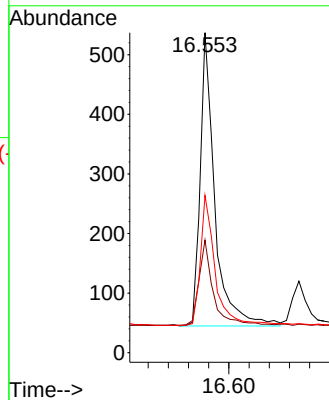
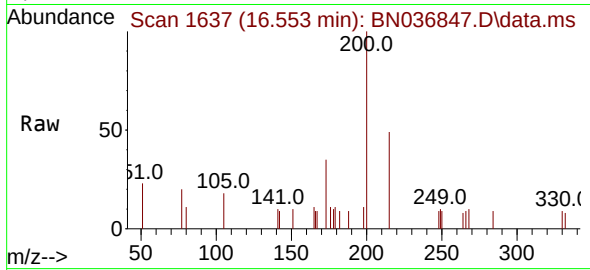




#23
Atrazine
Concen: 0.388 ng
RT: 16.553 min Scan# 1637
Delta R.T. -0.000 min
Lab File: BN036847.D
Acq: 07 Apr 2025 09:10

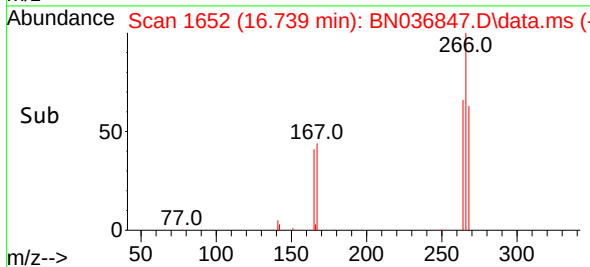
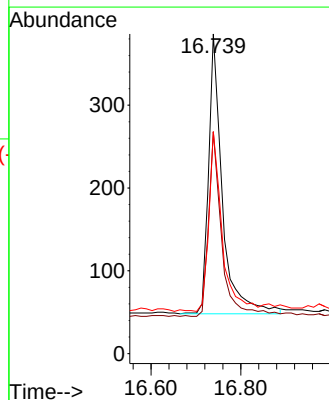
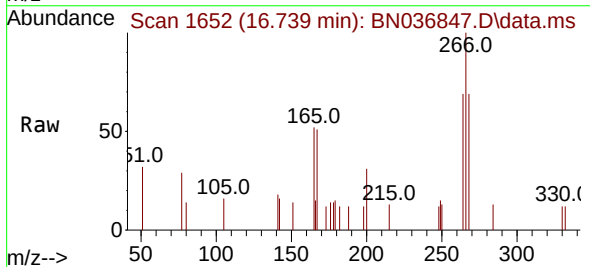
Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

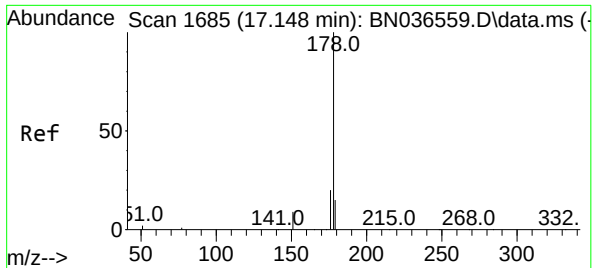
Tgt Ion	Ratio	Lower	Upper
200	100		
173	35.2	27.3	40.9
215	49.2	36.8	55.2



#24
Pentachlorophenol
Concen: 0.410 ng
RT: 16.739 min Scan# 1652
Delta R.T. -0.000 min
Lab File: BN036847.D
Acq: 07 Apr 2025 09:10

Tgt Ion	Ratio	Lower	Upper
266	100		
264	62.7	49.6	74.4
268	60.4	50.9	76.3

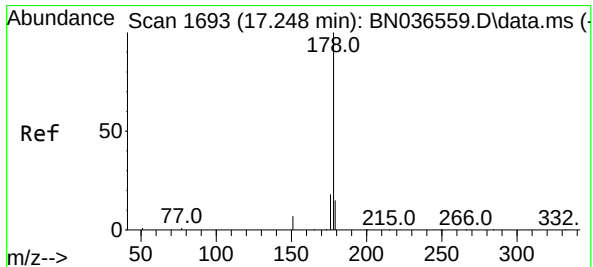
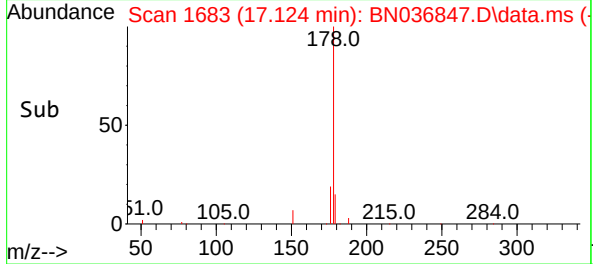
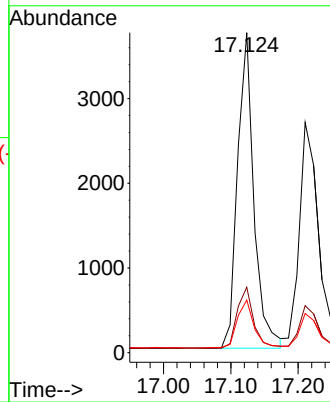
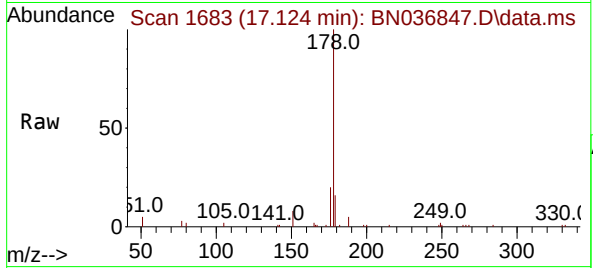




#25
Phenanthrene
Concen: 0.414 ng
RT: 17.124 min Scan# 1683
Delta R.T. -0.000 min
Lab File: BN036847.D
Acq: 07 Apr 2025 09:10

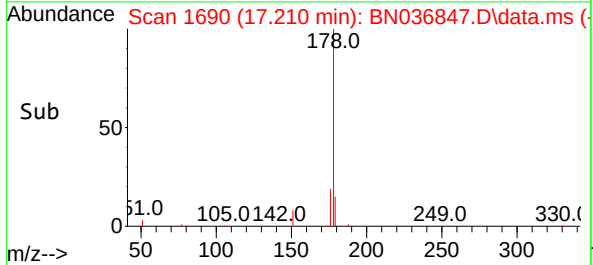
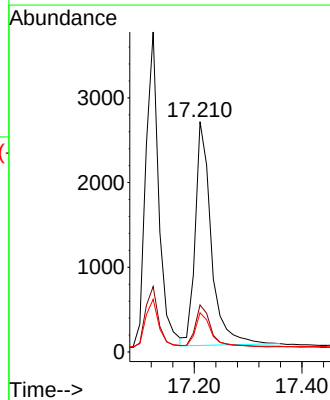
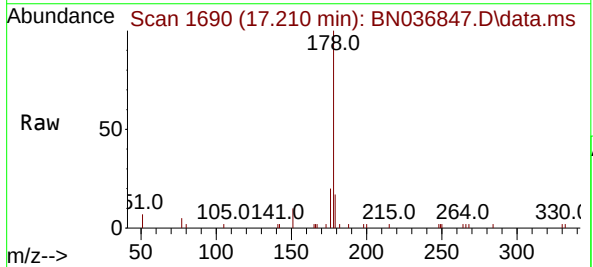
Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

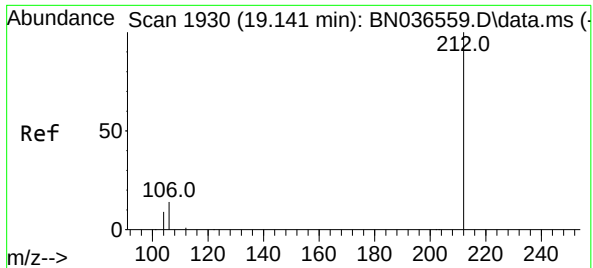
Tgt Ion:178 Resp: 6306
Ion Ratio Lower Upper
178 100
176 19.6 15.9 23.9
179 15.8 12.2 18.4



#26
Anthracene
Concen: 0.399 ng
RT: 17.210 min Scan# 1690
Delta R.T. -0.000 min
Lab File: BN036847.D
Acq: 07 Apr 2025 09:10

Tgt Ion:178 Resp: 5484
Ion Ratio Lower Upper
178 100
176 18.8 15.4 23.2
179 14.7 12.6 18.8

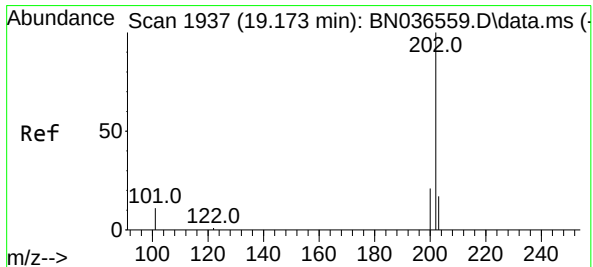
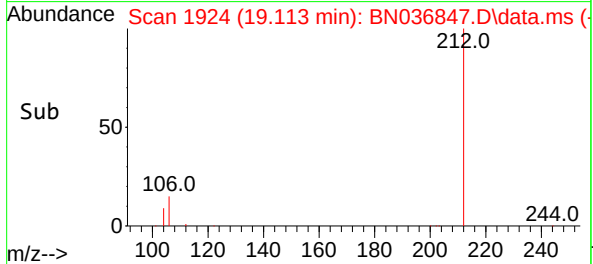
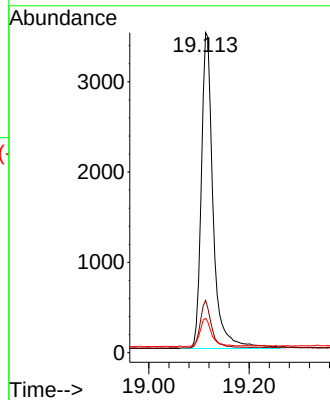
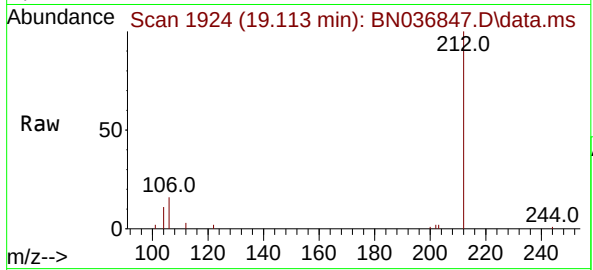




#27
Fluoranthene-d10
Concen: 0.440 ng
RT: 19.113 min Scan# 1911
Delta R.T. -0.000 min
Lab File: BN036847.D
Acq: 07 Apr 2025 09:10

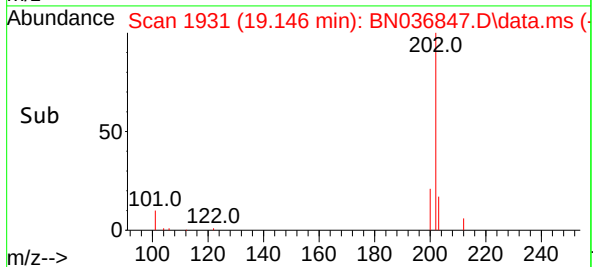
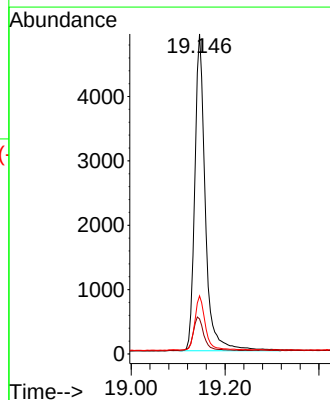
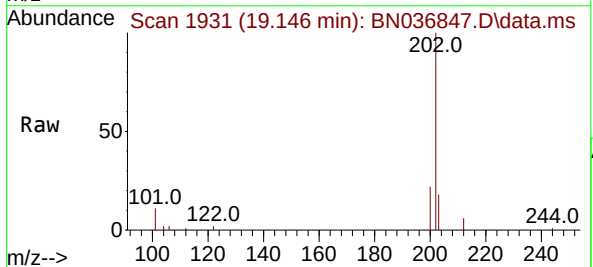
Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

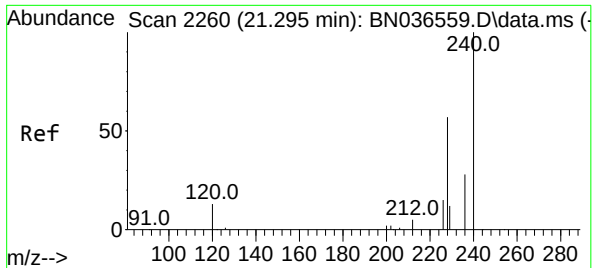
Tgt Ion:212 Resp: 5730
Ion Ratio Lower Upper
212 100
106 14.6 11.8 17.6
104 8.8 7.3 10.9



#28
Fluoranthene
Concen: 0.450 ng
RT: 19.146 min Scan# 1931
Delta R.T. 0.004 min
Lab File: BN036847.D
Acq: 07 Apr 2025 09:10

Tgt Ion:202 Resp: 7695
Ion Ratio Lower Upper
202 100
101 10.8 9.4 14.0
203 16.9 13.5 20.3

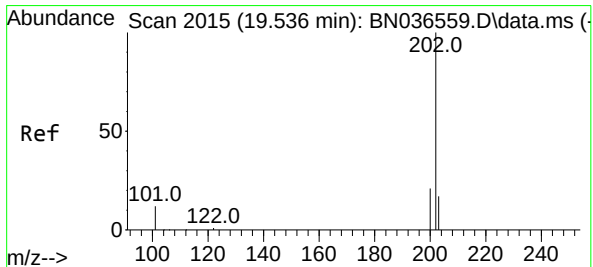
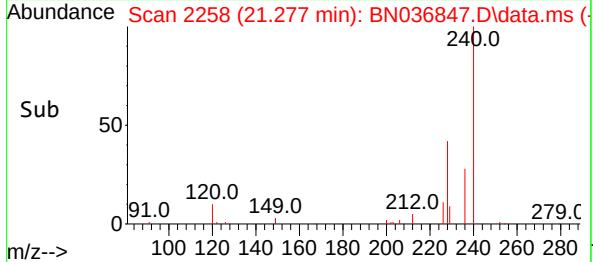
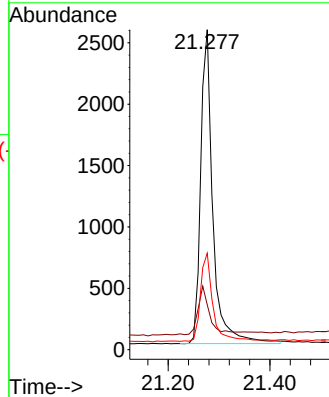
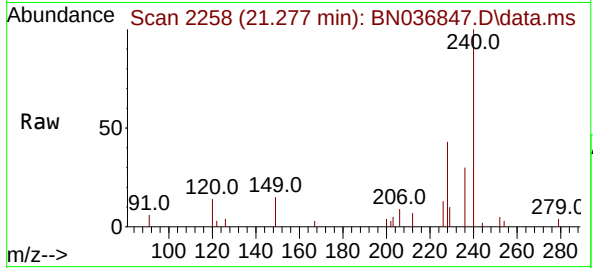




#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.277 min Scan# 21
Delta R.T. 0.009 min
Lab File: BN036847.D
Acq: 07 Apr 2025 09:10

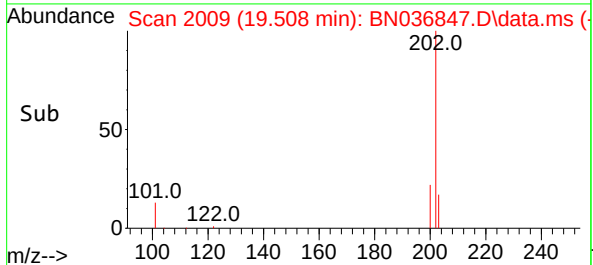
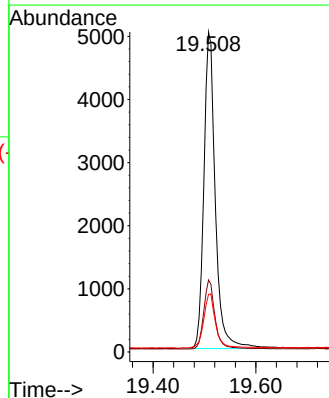
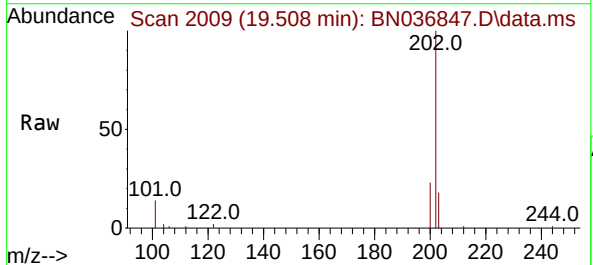
Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

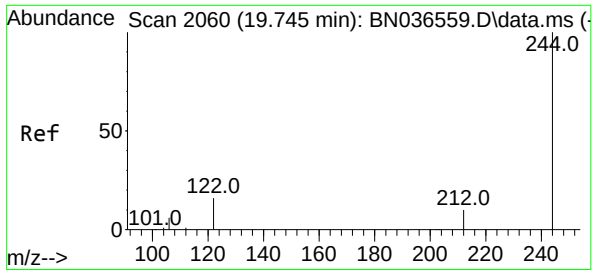
Tgt Ion:240 Resp: 4233
Ion Ratio Lower Upper
240 100
120 14.0 14.6 22.0#
236 30.1 24.1 36.1



#30
Pyrene
Concen: 0.374 ng
RT: 19.508 min Scan# 2009
Delta R.T. -0.000 min
Lab File: BN036847.D
Acq: 07 Apr 2025 09:10

Tgt Ion:202 Resp: 7751
Ion Ratio Lower Upper
202 100
200 21.3 17.1 25.7
203 17.7 14.1 21.1

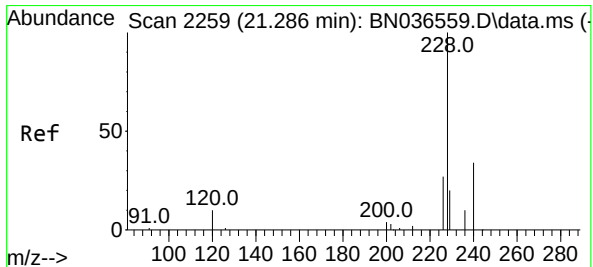
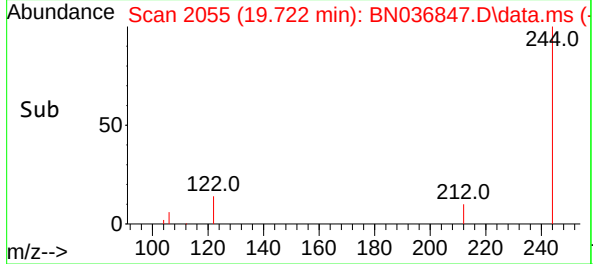
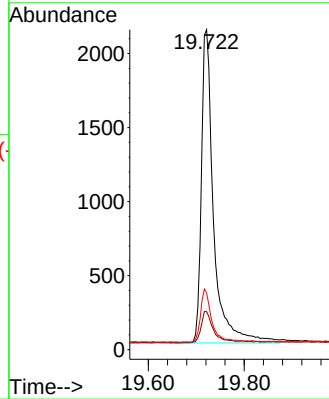
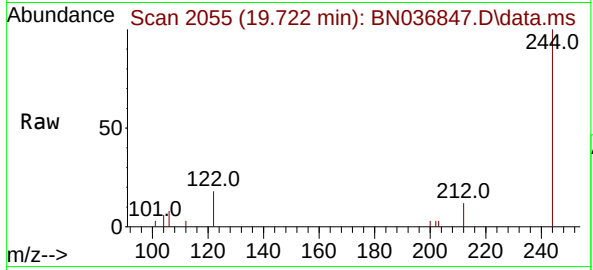




#31
Terphenyl-d14
Concen: 0.370 ng
RT: 19.722 min Scan# 2060
Delta R.T. 0.004 min
Lab File: BN036847.D
Acq: 07 Apr 2025 09:10

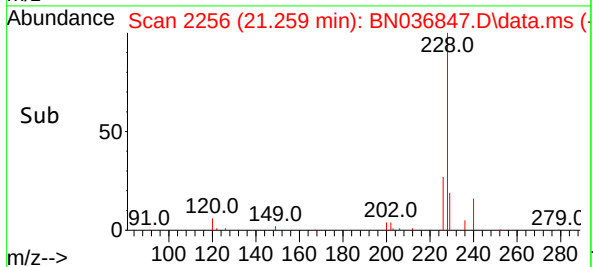
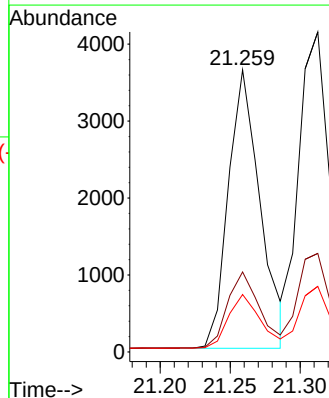
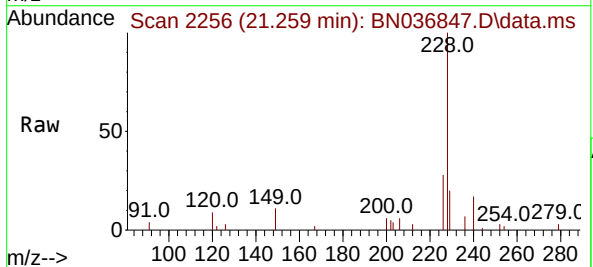
Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

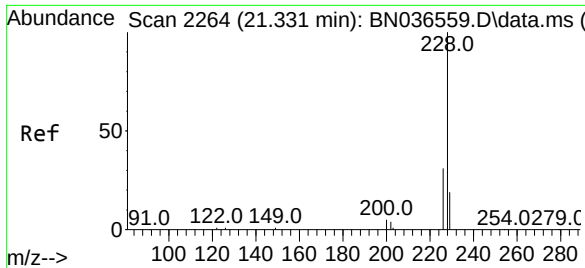
Tgt Ion:244 Resp: 3755
Ion Ratio Lower Upper
244 100
212 11.9 9.6 14.4
122 17.7 13.9 20.9



#32
Benzo(a)anthracene
Concen: 0.389 ng
RT: 21.259 min Scan# 2256
Delta R.T. -0.000 min
Lab File: BN036847.D
Acq: 07 Apr 2025 09:10

Tgt Ion:228 Resp: 5720
Ion Ratio Lower Upper
228 100
226 28.3 22.5 33.7
229 20.4 16.6 25.0

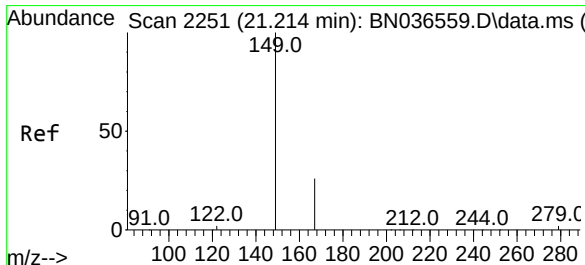
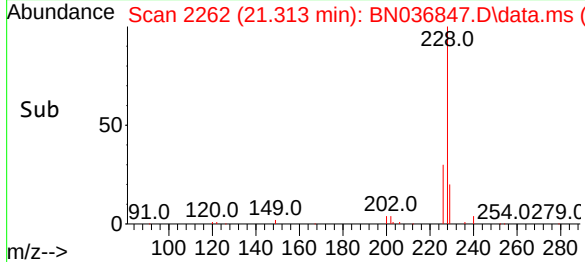
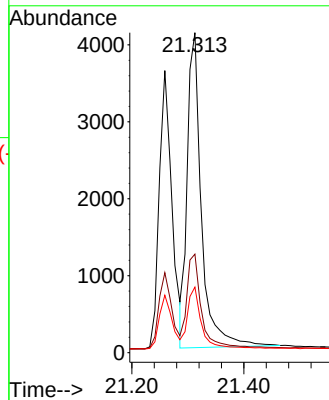
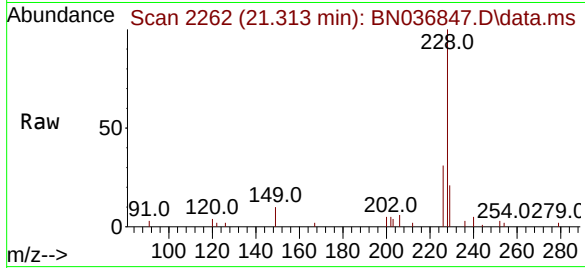




#33
Chrysene
Concen: 0.449 ng
RT: 21.313 min Scan# 2113
Delta R.T. 0.009 min
Lab File: BN036847.D
Acq: 07 Apr 2025 09:10

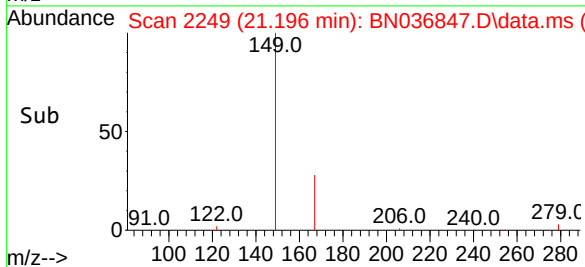
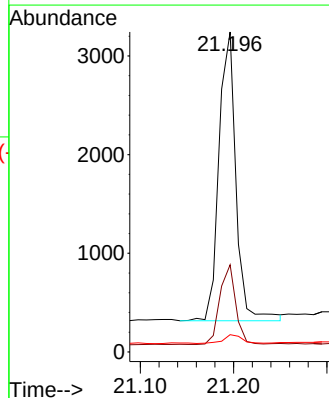
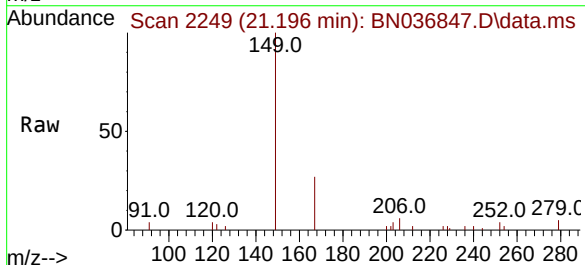
Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

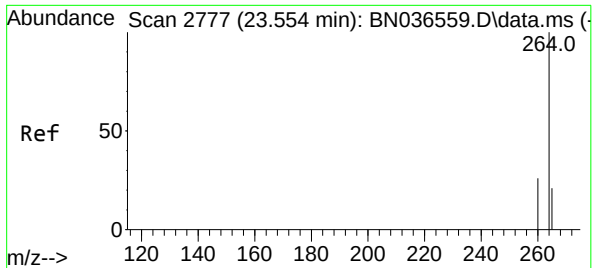
Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.8	25.3	37.9
229	20.5	15.8	23.8



#34
Bis(2-ethylhexyl)phthalate
Concen: 0.353 ng
RT: 21.196 min Scan# 2249
Delta R.T. 0.009 min
Lab File: BN036847.D
Acq: 07 Apr 2025 09:10

Tgt Ion	Ratio	Lower	Upper
149	100		
167	25.6	20.7	31.1
279	3.3	3.6	5.4

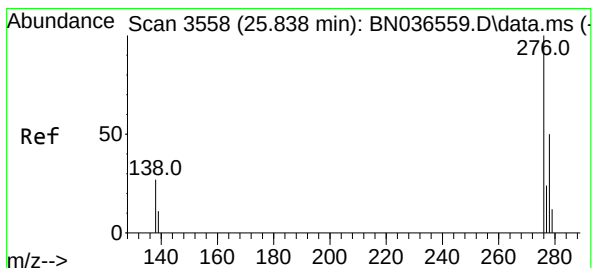
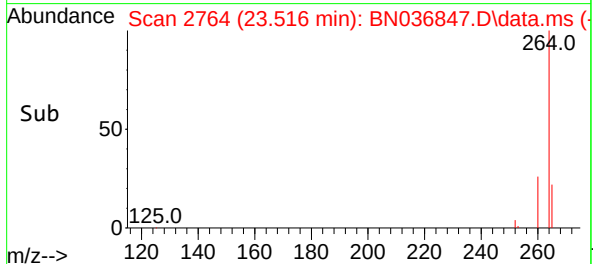
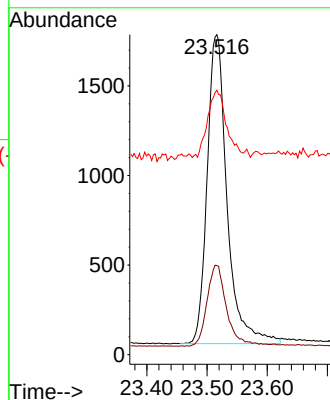
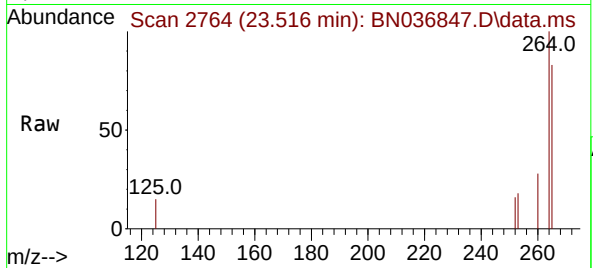




#35
Perylene-d12
Concen: 0.400 ng
RT: 23.516 min Scan# 21
Delta R.T. 0.006 min
Lab File: BN036847.D
Acq: 07 Apr 2025 09:10

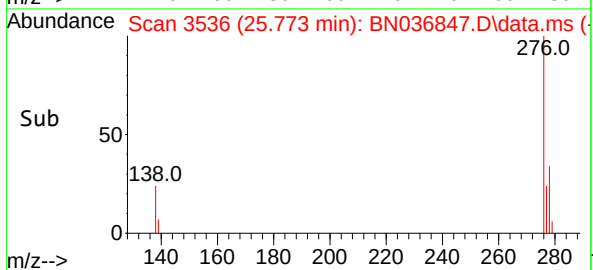
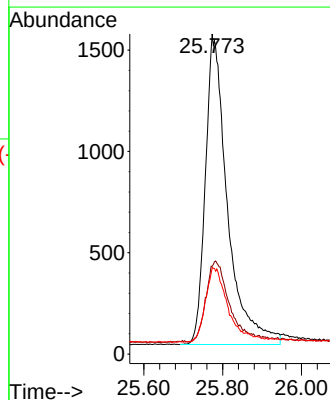
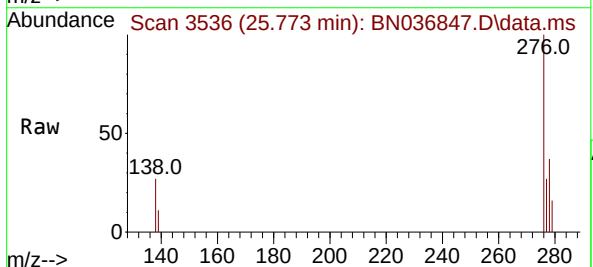
Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

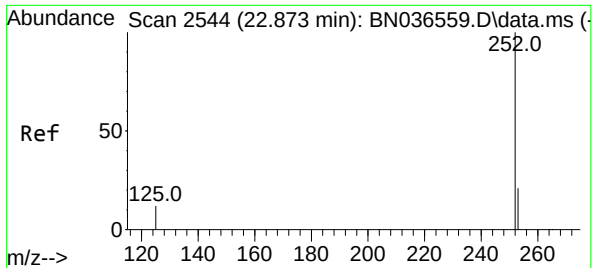
Tgt Ion:264 Resp: 3968
Ion Ratio Lower Upper
264 100
260 27.8 22.6 33.8
265 82.6 88.1 132.1#



#36
Indeno(1,2,3-cd)pyrene
Concen: 0.416 ng
RT: 25.773 min Scan# 3536
Delta R.T. 0.003 min
Lab File: BN036847.D
Acq: 07 Apr 2025 09:10

Tgt Ion:276 Resp: 5962
Ion Ratio Lower Upper
276 100
138 27.3 23.4 35.2
277 23.2 20.0 30.0





#37

Benzo(b)fluoranthene

Concen: 0.427 ng

RT: 22.841 min Scan# 2544

Delta R.T. 0.003 min

Lab File: BN036847.D

Acq: 07 Apr 2025 09:10

Instrument :

BNA_N

ClientSampleId :

SSTDCCC0.4

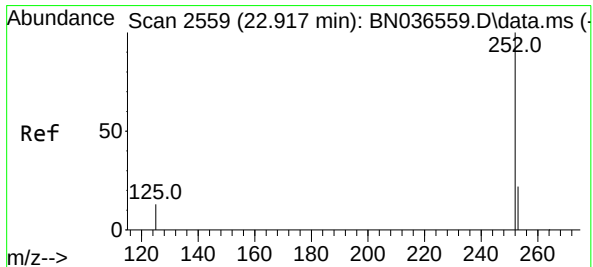
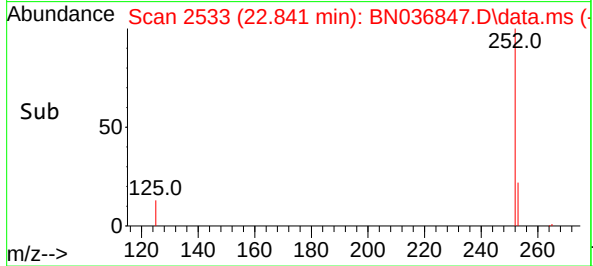
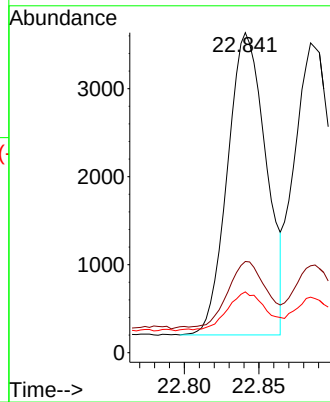
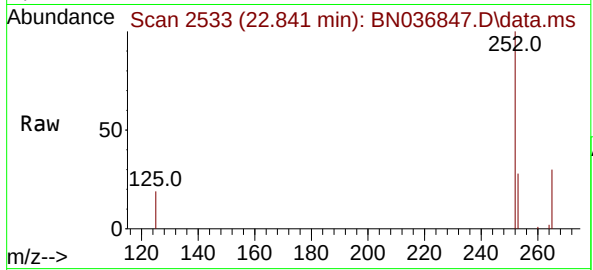
Tgt Ion:252 Resp: 6173

Ion Ratio Lower Upper

252 100

253 28.5 23.9 35.9

125 19.0 17.4 26.2



#38

Benzo(k)fluoranthene

Concen: 0.445 ng

RT: 22.885 min Scan# 2548

Delta R.T. 0.006 min

Lab File: BN036847.D

Acq: 07 Apr 2025 09:10

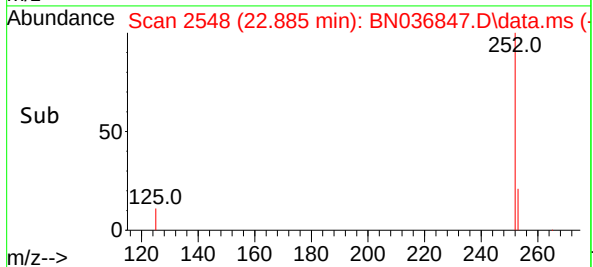
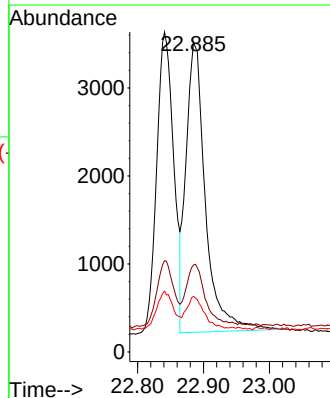
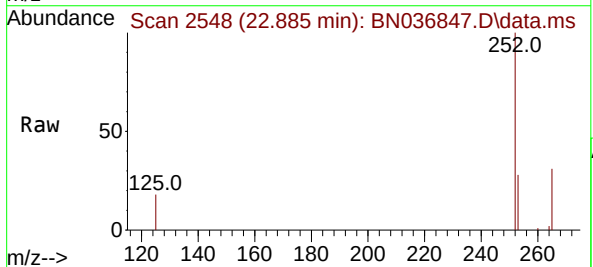
Tgt Ion:252 Resp: 6741

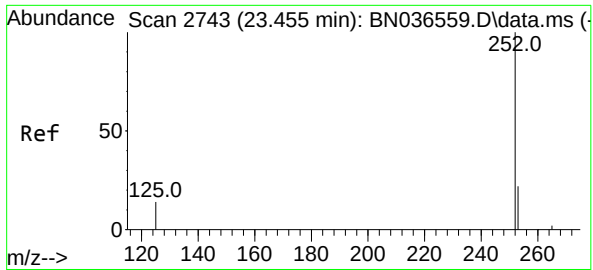
Ion Ratio Lower Upper

252 100

253 28.0 24.6 36.8

125 18.0 17.8 26.8





#39

Benzo(a)pyrene

Concen: 0.430 ng

RT: 23.417 min Scan# 21

Delta R.T. 0.006 min

Lab File: BN036847.D

Acq: 07 Apr 2025 09:10

Instrument :

BNA_N

ClientSampleId :

SSTDCCC0.4

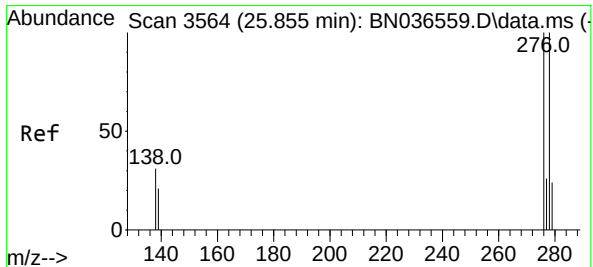
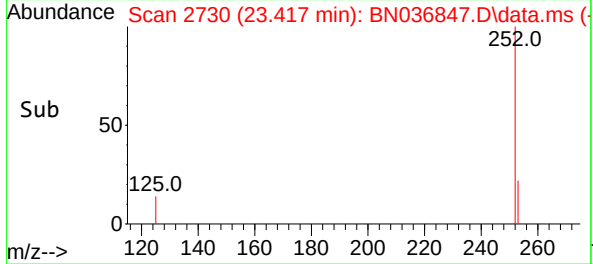
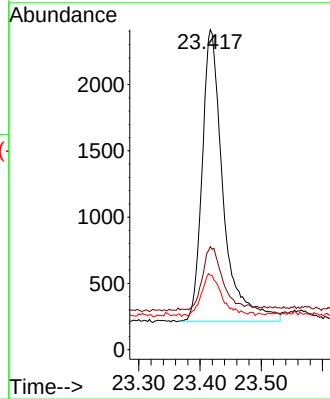
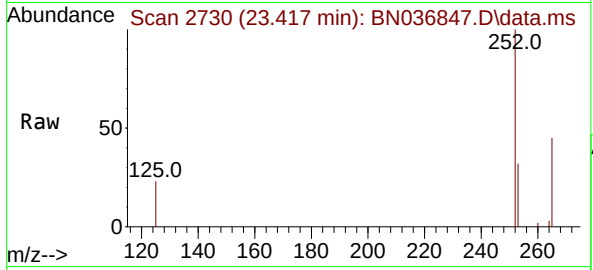
Tgt Ion:252 Resp: 5226

Ion Ratio Lower Upper

252 100

253 32.2 27.8 41.8

125 23.3 22.7 34.1



#40

Dibenzo(a,h)anthracene

Concen: 0.389 ng

RT: 25.803 min Scan# 3546

Delta R.T. 0.011 min

Lab File: BN036847.D

Acq: 07 Apr 2025 09:10

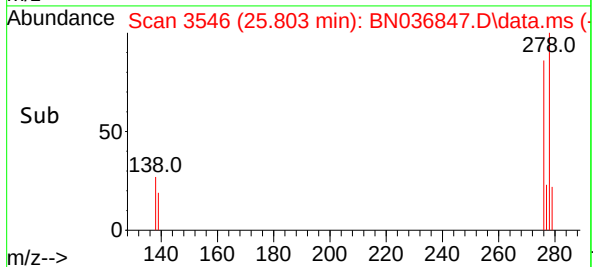
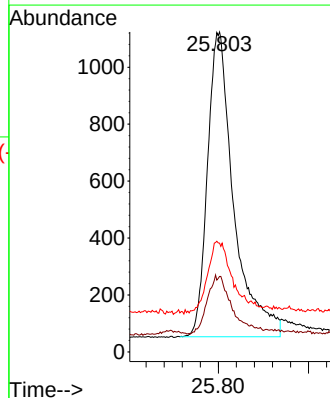
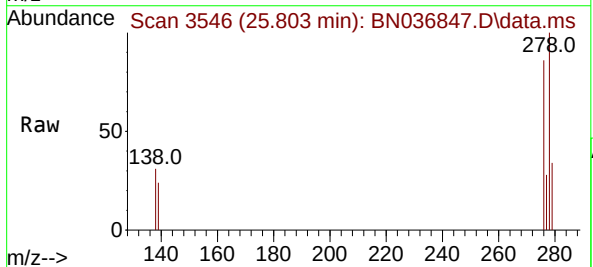
Tgt Ion:278 Resp: 4339

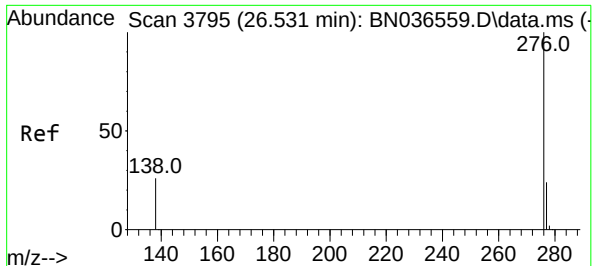
Ion Ratio Lower Upper

278 100

139 23.6 20.8 31.2

279 34.0 28.8 43.2





#41

Benzo(g,h,i)perylene

Concen: 0.441 ng

RT: 26.469 min Scan# 31

Delta R.T. 0.012 min

Lab File: BN036847.D

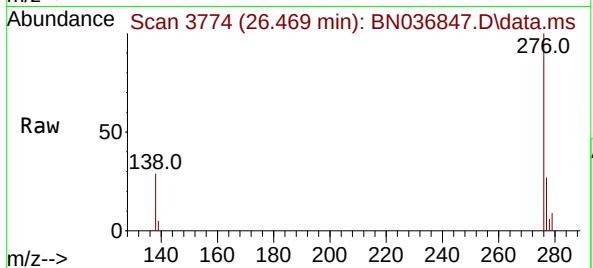
Acq: 07 Apr 2025 09:10

Instrument :

BNA_N

ClientSampleId :

SSTDCCC0.4



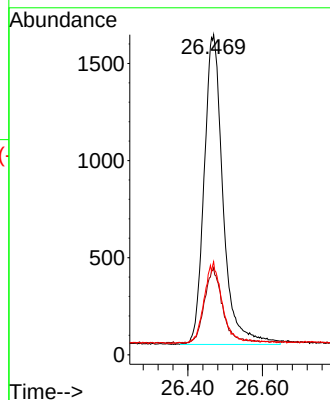
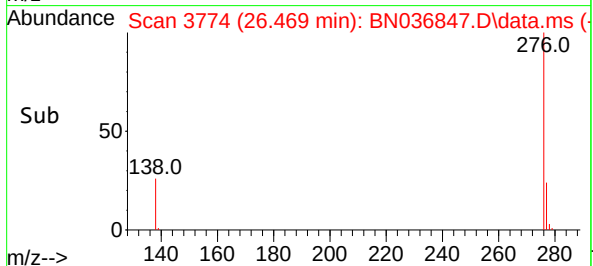
Tgt Ion:276 Resp: 5619

Ion Ratio Lower Upper

276 100

277 27.2 22.2 33.4

138 29.1 24.1 36.1



Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN040725\
 Data File : BN036847.D
 Acq On : 07 Apr 2025 09:10
 Operator : RC/JU
 Sample : SSTDCCC0.4
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_N
 LabSampleId :
 SSTDCCC0.4

Quant Time: Apr 07 10:42:23 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN031025.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Apr 04 17:30:43 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	70	0.00
2	1,4-Dioxane	0.444	0.474	-6.8	67	0.00
3	n-Nitrosodimethylamine	0.898	0.997	-11.0	75	0.00
4 S	2-Fluorophenol	0.932	0.910	2.4	65	0.00
5 S	Phenol-d6	1.152	1.108	3.8	69	0.00
6	bis(2-Chloroethyl)ether	1.190	1.201	-0.9	71	0.00
7 I	Naphthalene-d8	1.000	1.000	0.0	77	0.00
8 S	Nitrobenzene-d5	0.435	0.406	6.7	75	0.00
9	Naphthalene	1.177	1.171	0.5	75	0.00
10	Hexachlorobutadiene	0.277	0.272	1.8	71	0.00
11 SURR	2-Methylnaphthalene-d10	0.595	0.593	0.3	75	0.00
12	2-Methylnaphthalene	0.749	0.737	1.6	74	0.00
13 I	Acenaphthene-d10	1.000	1.000	0.0	77	0.00
14 S	2,4,6-Tribromophenol	0.182	0.174	4.4	72	0.00
15 S	2-Fluorobiphenyl	2.327	2.119	8.9	68	0.00
16	Acenaphthylene	1.888	1.851	2.0	74	0.00
17	Acenaphthene	1.236	1.252	-1.3	75	0.00
18	Fluorene	1.672	1.738	-3.9	76	0.00
19 I	Phenanthrene-d10	1.000	1.000	0.0	85	0.00
20	4,6-Dinitro-2-methylphenol	0.086	0.074	14.0	81	0.00
21	4-Bromophenyl-phenylether	0.251	0.238	5.2	73	0.00
22	Hexachlorobenzene	0.303	0.295	2.6	74	0.00
23	Atrazine	0.201	0.195	3.0	77	0.00
24	Pentachlorophenol	0.138	0.142	-2.9	88	0.00
25	Phenanthrene	1.200	1.242	-3.5	81	0.00
26	Anthracene	1.083	1.080	0.3	80	0.00
27 SURR	Fluoranthene-d10	1.025	1.128	-10.0	86	0.00
28	Fluoranthene	1.348	1.515	-12.4	88	0.00
29 I	Chrysene-d12	1.000	1.000	0.0	103	0.00
30	Pyrene	1.956	1.831	6.4	88	0.00
31 S	Terphenyl-d14	0.958	0.887	7.4	89	0.00
32	Benzo(a)anthracene	1.391	1.351	2.9	97	0.00
33	Chrysene	1.520	1.706	-12.2	109	0.00
34	Bis(2-ethylhexyl)phthalate	0.990	0.874	11.7	86	0.00
35 I	Perylene-d12	1.000	1.000	0.0	112	0.00
36	Indeno(1,2,3-cd)pyrene	1.444	1.503	-4.1	109	0.00
37	Benzo(b)fluoranthene	1.456	1.556	-6.9	113	0.00
38	Benzo(k)fluoranthene	1.527	1.699	-11.3	118	0.00
39 C	Benzo(a)pyrene	1.226	1.317	-7.4	113	0.00
40	Dibenzo(a,h)anthracene	1.124	1.093	2.8	105	0.01
41	Benzo(g,h,i)perylene	1.286	1.416	-10.1	115	0.01

(#) = Out of Range

SPCC's out = 0 CCC's out = 0

Instrument :

BNA_N

LabSampleId :

SSTDCCC0.4

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN040725\
 Data File : BN036847.D
 Acq On : 07 Apr 2025 09:10
 Operator : RC/JU
 Sample : SSTDCCC0.4
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_N
 LabSampleId :
 SSTDCCC0.4

Quant Time: Apr 07 10:42:23 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN031025.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Apr 04 17:30:43 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	0.400	0.400	0.0	70	0.00
2	1,4-Dioxane	0.400	0.427	-6.7	67	0.00
3	n-Nitrosodimethylamine	0.400	0.444	-11.0	75	0.00
4 S	2-Fluorophenol	0.400	0.391	2.3	65	0.00
5 S	Phenol-d6	0.400	0.385	3.8	69	0.00
6	bis(2-Chloroethyl)ether	0.400	0.403	-0.8	71	0.00
7 I	Naphthalene-d8	0.400	0.400	0.0	77	0.00
8 S	Nitrobenzene-d5	0.400	0.373	6.8	75	0.00
9	Naphthalene	0.400	0.398	0.5	75	0.00
10	Hexachlorobutadiene	0.400	0.393	1.8	71	0.00
11 SURR	2-Methylnaphthalene-d10	0.400	0.399	0.3	75	0.00
12	2-Methylnaphthalene	0.400	0.394	1.5	74	0.00
13 I	Acenaphthene-d10	0.400	0.400	0.0	77	0.00
14 S	2,4,6-Tribromophenol	0.400	0.384	4.0	72	0.00
15 S	2-Fluorobiphenyl	0.400	0.364	9.0	68	0.00
16	Acenaphthylene	0.400	0.392	2.0	74	0.00
17	Acenaphthene	0.400	0.405	-1.3	75	0.00
18	Fluorene	0.400	0.416	-4.0	76	0.00
19 I	Phenanthrene-d10	0.400	0.400	0.0	85	0.00
20	4,6-Dinitro-2-methylphenol	0.400	0.436	-9.0	81	0.00
21	4-Bromophenyl-phenylether	0.400	0.380	5.0	73	0.00
22	Hexachlorobenzene	0.400	0.390	2.5	74	0.00
23	Atrazine	0.400	0.388	3.0	77	0.00
24	Pentachlorophenol	0.400	0.410	-2.5	88	0.00
25	Phenanthrene	0.400	0.414	-3.5	81	0.00
26	Anthracene	0.400	0.399	0.3	80	0.00
27 SURR	Fluoranthene-d10	0.400	0.440	-10.0	86	0.00
28	Fluoranthene	0.400	0.450	-12.5	88	0.00
29 I	Chrysene-d12	0.400	0.400	0.0	103	0.00
30	Pyrene	0.400	0.374	6.5	88	0.00
31 S	Terphenyl-d14	0.400	0.370	7.5	89	0.00
32	Benzo(a)anthracene	0.400	0.389	2.8	97	0.00
33	Chrysene	0.400	0.449	-12.2	109	0.00
34	Bis(2-ethylhexyl)phthalate	0.400	0.353	11.8	86	0.00
35 I	Perylene-d12	0.400	0.400	0.0	112	0.00
36	Indeno(1,2,3-cd)pyrene	0.400	0.416	-4.0	109	0.00
37	Benzo(b)fluoranthene	0.400	0.427	-6.7	113	0.00
38	Benzo(k)fluoranthene	0.400	0.445	-11.2	118	0.00
39 C	Benzo(a)pyrene	0.400	0.430	-7.5	113	0.00
40	Dibenzo(a,h)anthracene	0.400	0.389	2.8	105	0.01
41	Benzo(g,h,i)perylene	0.400	0.441	-10.2	115	0.01

(#) = Out of Range

SPCC's out = 0 CCC's out = 0

Instrument :

BNA_N

LabSampleId :

SSTDCCC0.4



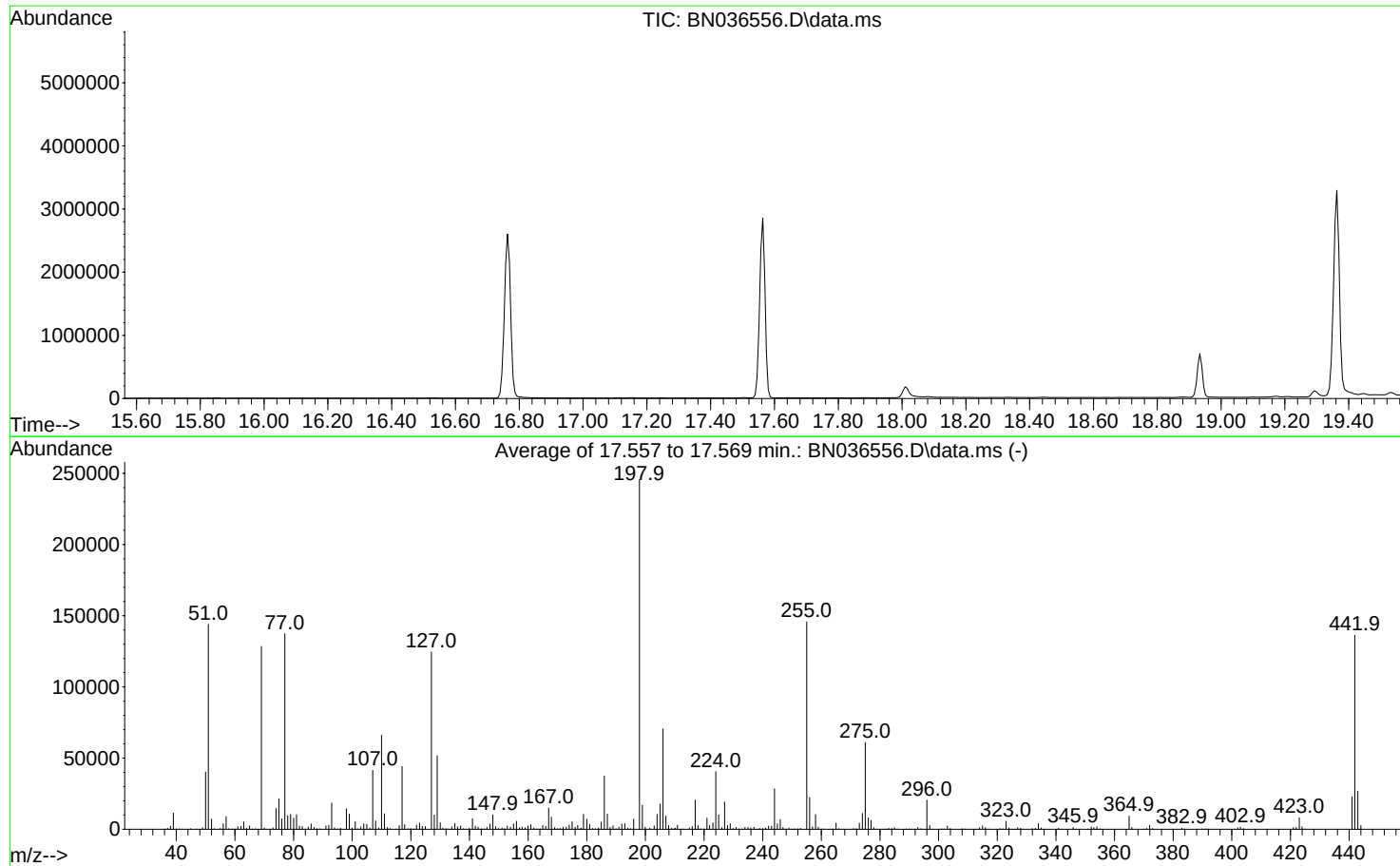
QC SAMPLE DATA

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN031025\
Data File : BN036556.D
Acq On : 10 Mar 2025 11:03
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
DFTPP

Integration File: rteint.p

Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN031025.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Mon Mar 10 16:06:28 2025



AutoFind: Scans 2460, 2461, 2462; Background Corrected with Scan 2453

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	10	80	58.6	144050	PASS
68	69	0.00	2	0.0	0	PASS
69	198	0.00	100	52.3	128410	PASS
70	69	0.00	2	0.7	835	PASS
127	198	10	80	50.7	124576	PASS
197	198	0.00	2	0.0	0	PASS
198	198	100	100	100.0	245632	PASS
199	198	5	9	6.9	16887	PASS
275	198	10	60	24.8	60997	PASS
365	198	1	100	3.8	9349	PASS
441	198	0.01	100	9.3	22761	PASS
442	442	50	100	100.0	136488	PASS
443	442	15	24	19.6	26765	PASS

Instrument :
BNA_N
ClientSampleId :
DFTPP

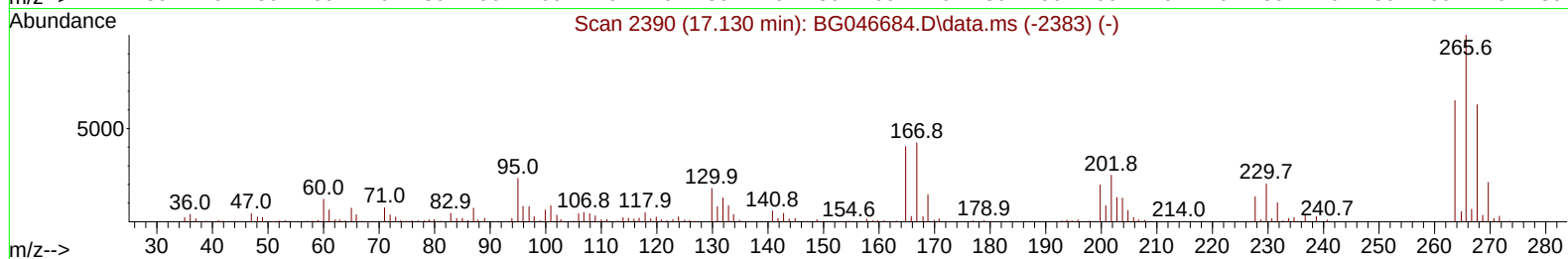
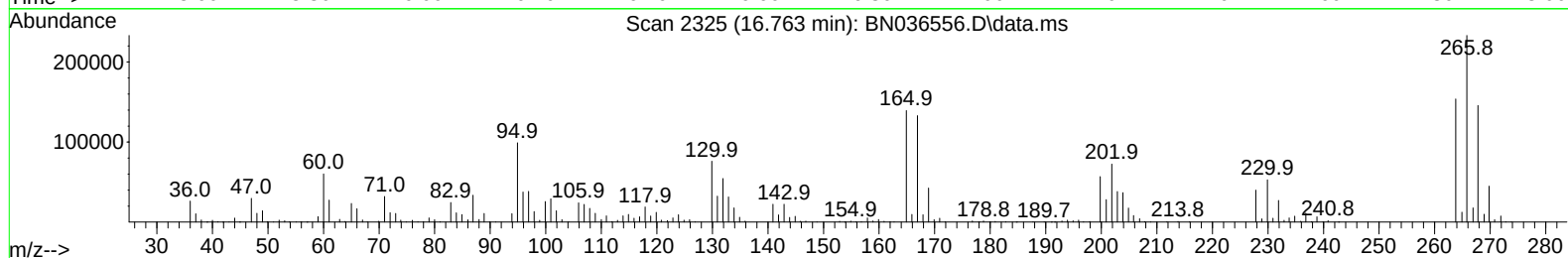
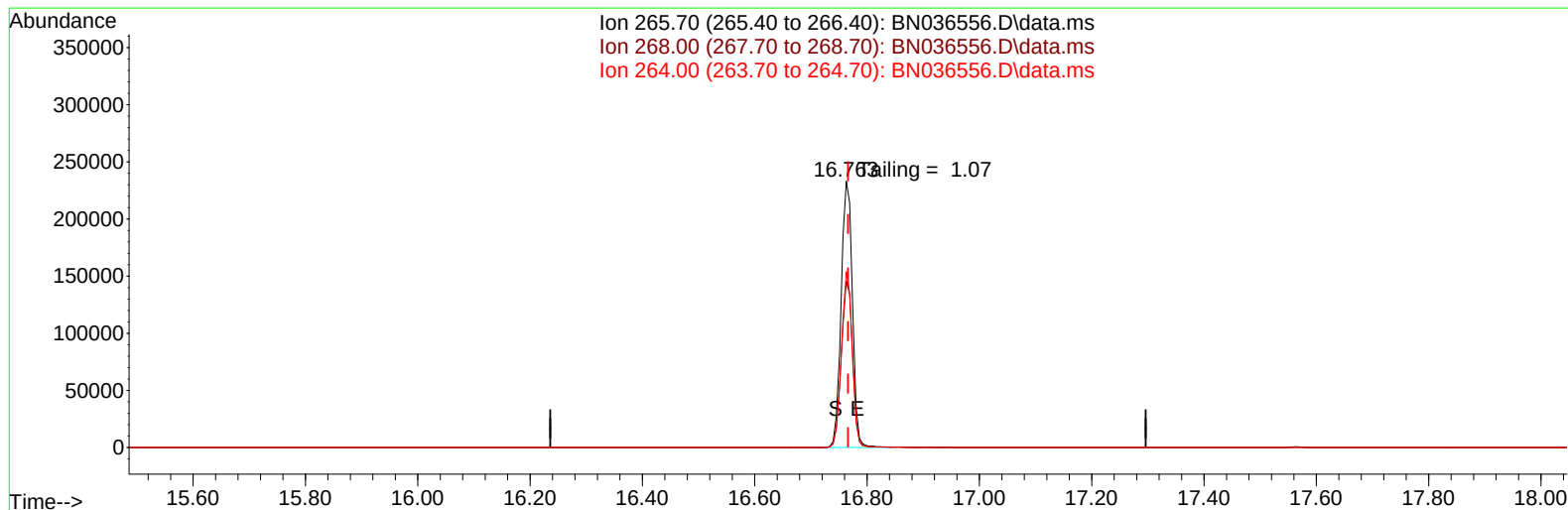
DDT Breakdown

Date	Instrument Name	DFTPP Data File
3/10/2025	BNA_N	<u>BN036556.D</u>
Compound Name	Response	Retention Time
DDT	1110406	20.598
DDD	11596	20.21
DDE	530	19.645
SUM(DDD+DDE)	SUM(DDT+DDD+DDE)	% Breakdown Of DDT
12126	1122532	1.08

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN031025\
Data File : BN036556.D
Acq On : 10 Mar 2025 11:03
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
DFTPP

Quant Time: Mar 10 17:07:28 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270E-Tune.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Dec 25 04:23:53 2024
Response via : Initial Calibration



TIC: BN036556.D\data.ms

(70) Pentachlorophenol (C)

16.763min (-0.003) 23577.14 ng

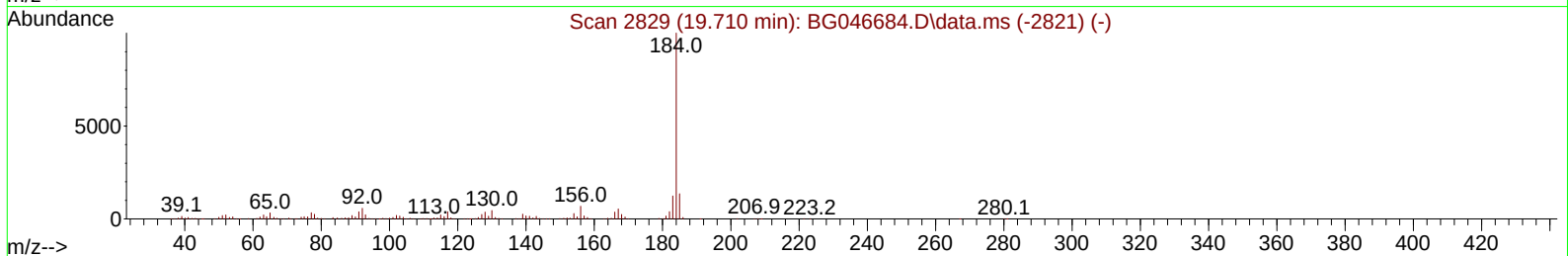
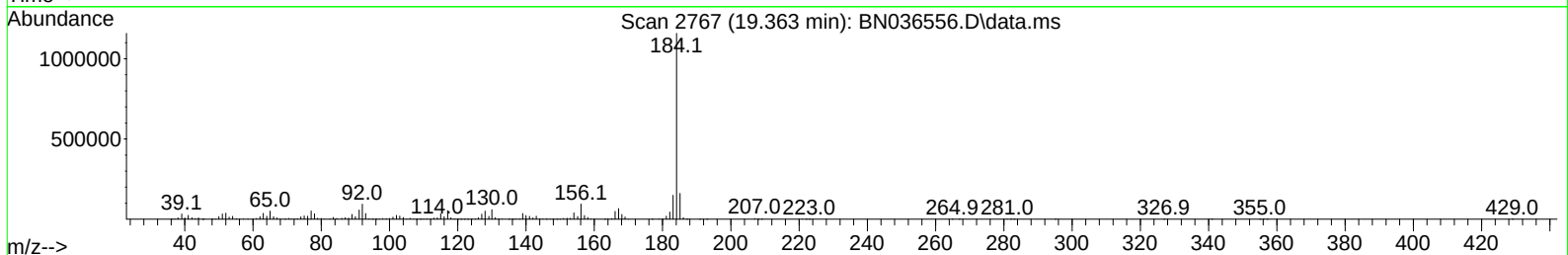
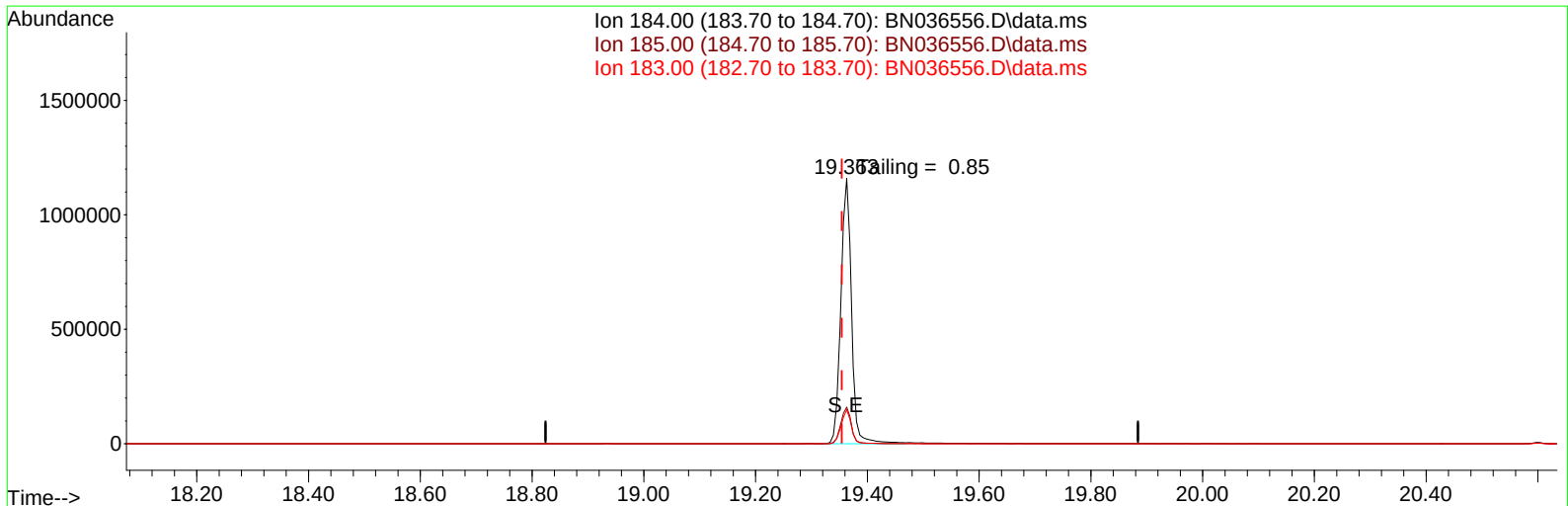
response 323613

Ion	Exp%	Act%
265.70	100.00	100.00
268.00	62.20	62.52
264.00	61.60	66.01
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN031025\
Data File : BN036556.D
Acq On : 10 Mar 2025 11:03
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
DFTPP

Quant Time: Mar 10 17:07:28 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270E-Tune.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Dec 25 04:23:53 2024
Response via : Initial Calibration



TIC: BN036556.D\data.ms

(77) Benzidine

19.363min (+ 0.009) 0.00 ng

response 1553313

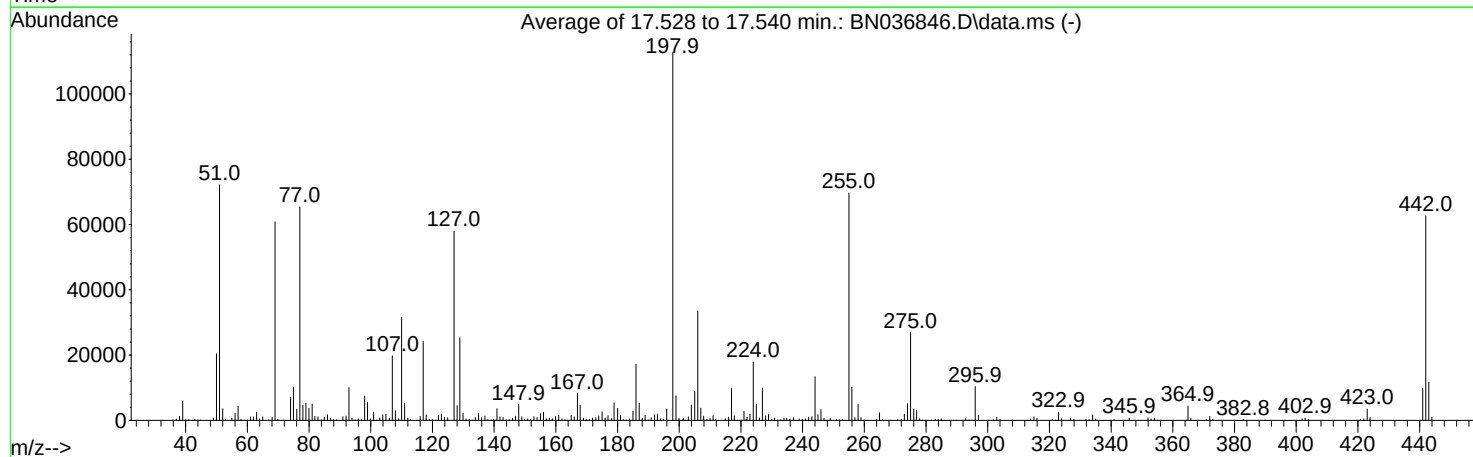
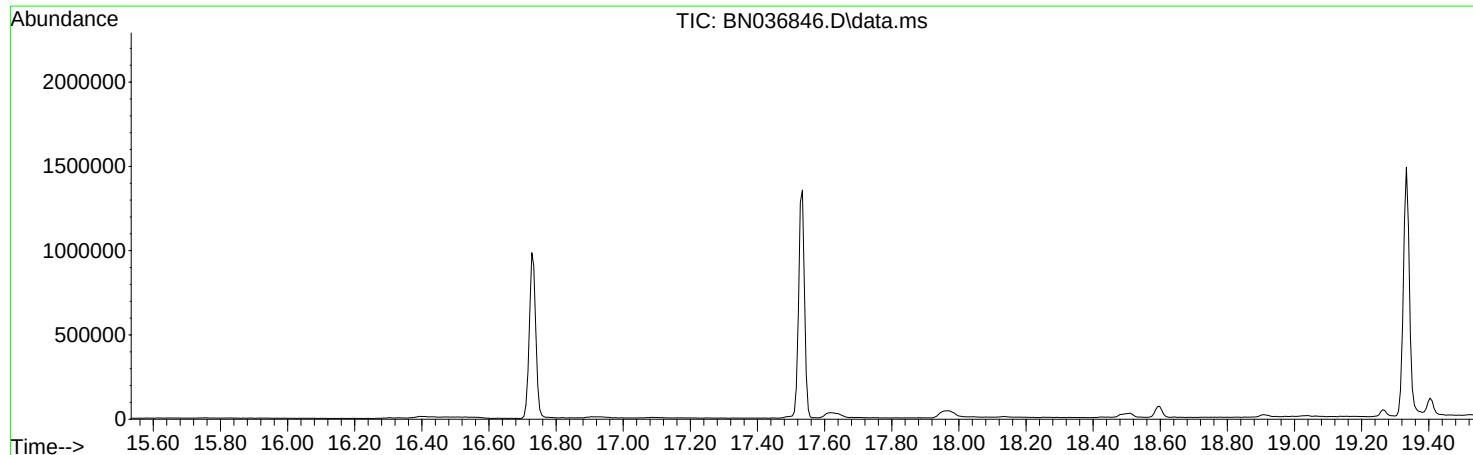
Ion	Exp%	Act%
184.00	100.00	100.00
185.00	15.50	13.86
183.00	13.20	12.85
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN040725\
Data File : BN036846.D
Acq On : 07 Apr 2025 08:31
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
DFTPP

Integration File: rteint.p

Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN031025.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Fri Apr 04 17:30:43 2025



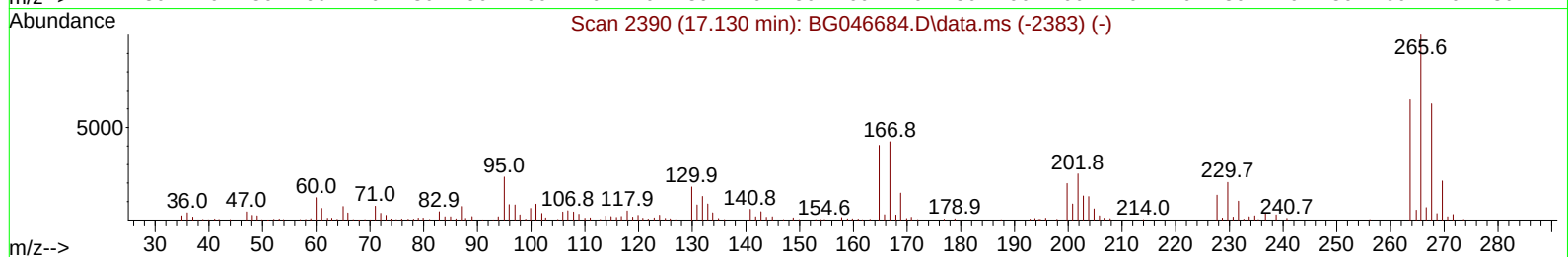
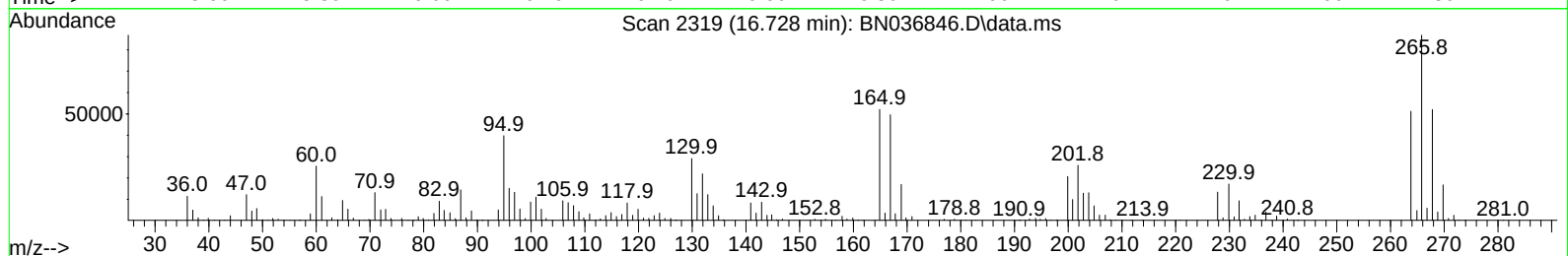
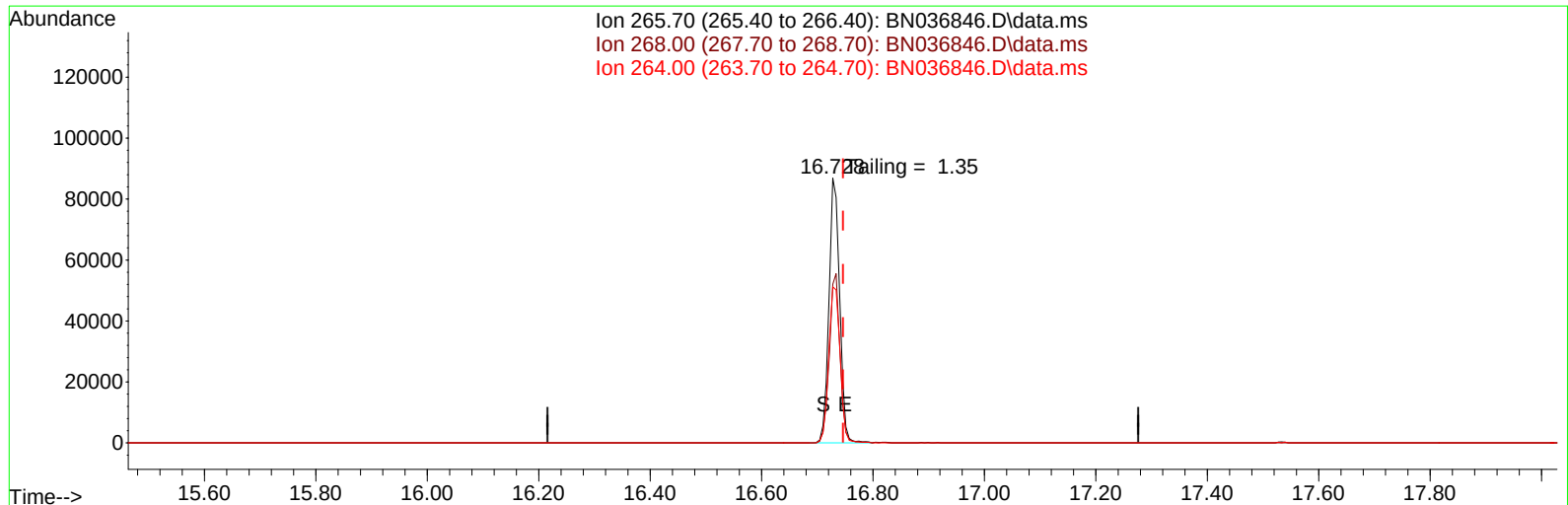
AutoFind: Scans 2455, 2456, 2457; Background Corrected with Scan 2448

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	10	80	64.1	72241	PASS
68	69	0.00	2	1.6	1000	PASS
69	198	0.00	100	54.0	60832	PASS
70	69	0.00	2	0.5	313	PASS
127	198	10	80	51.4	57968	PASS
197	198	0.00	2	0.0	0	PASS
198	198	100	100	100.0	112723	PASS
199	198	5	9	6.7	7515	PASS
275	198	10	60	23.9	26899	PASS
365	198	1	100	3.9	4404	PASS
441	198	0.01	100	8.8	9864	PASS
442	442	50	100	100.0	62661	PASS
443	442	15	24	18.7	11731	PASS

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN040725\
Data File : BN036846.D
Acq On : 07 Apr 2025 08:31
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
DFTPP

Quant Time: Apr 07 17:29:44 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270E-Tune.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Apr 01 00:16:52 2025
Response via : Initial Calibration



TIC: BN036846.D\data.ms

(70) Pentachlorophenol (C)

16.728min (-0.018) 17027.90 ng

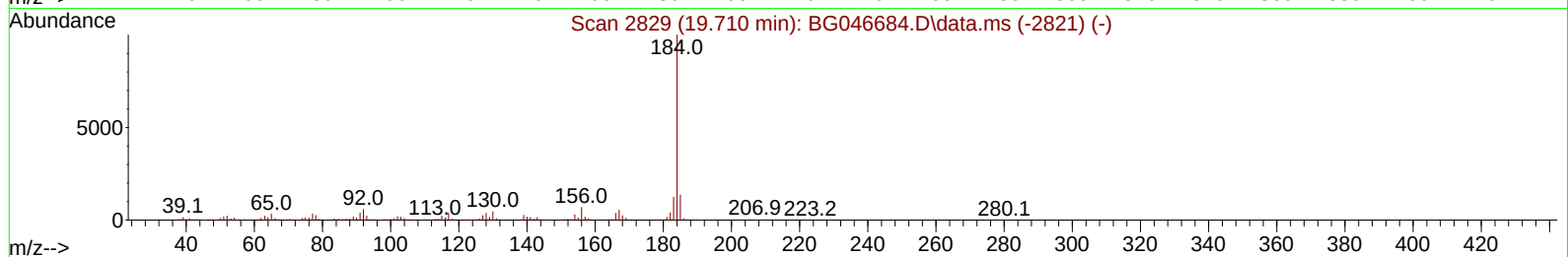
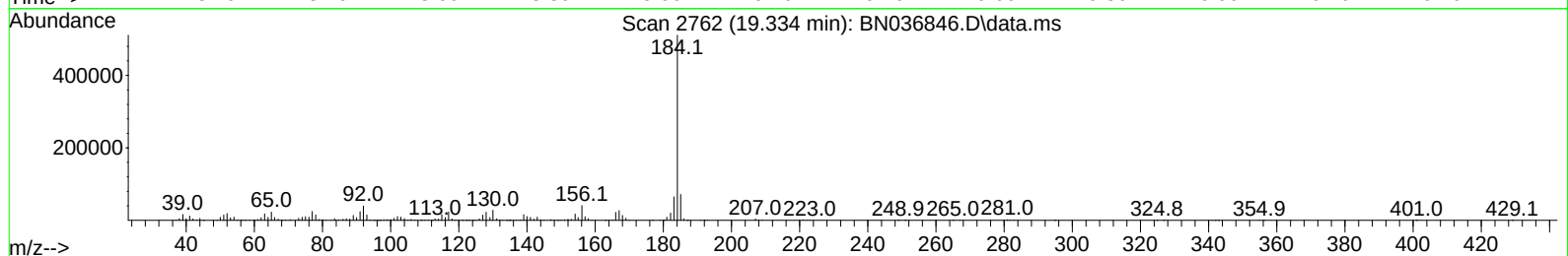
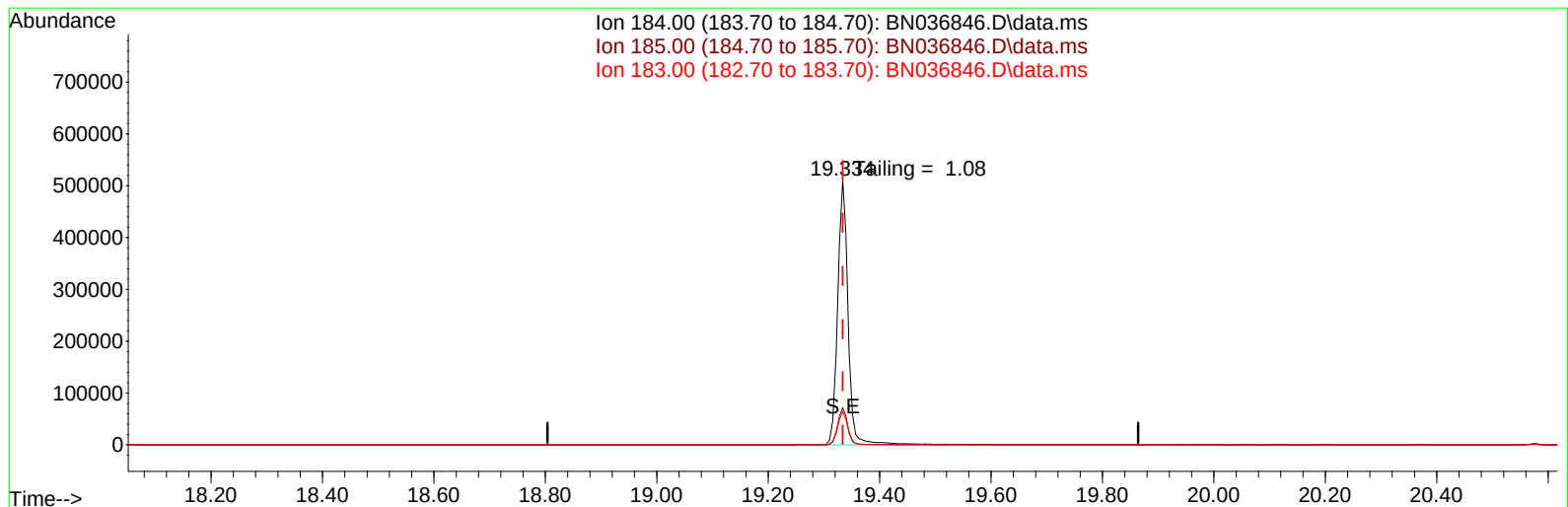
response 115056

Ion	Exp%	Act%
265.70	100.00	100.00
268.00	62.20	59.94
264.00	61.60	58.97
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN040725\
Data File : BN036846.D
Acq On : 07 Apr 2025 08:31
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
DFTPP

Quant Time: Apr 07 17:29:44 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270E-Tune.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Apr 01 00:16:52 2025
Response via : Initial Calibration



TIC: BN036846.D\data.ms

(77) Benzidine

19.334min (-0.001) 0.00 ng

response 661335

Ion	Exp%	Act%
184.00	100.00	100.00
185.00	15.50	14.02
183.00	13.20	12.73
0.00	0.00	0.00

DDT Breakdown

Date	Instrument Name	DFTPP Data File
4/7/2025	BNA_N	<u>BN036846.D</u>
Compound Name	Response	Retention Time
DDT	386395	20.575
DDD	7439	20.133
DDE	337	19.628
SUM(DDD+DDE)	SUM(DDT+DDD+DDE)	% Breakdown Of DDT
7776	394171	1.97

Instrument :
BNA_N
ClientSampleId :
DFTPP

Report of Analysis

Client:	G Environmental	Date Collected:	
Project:	Stockton	Date Received:	
Client Sample ID:	PB167475BL	SDG No.:	Q1736
Lab Sample ID:	PB167475BL	Matrix:	SOIL
Analytical Method:	SW8270ESIM	% Solid:	100
Sample Wt/Vol:	30.01 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-SIMGroup1
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	sw3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BN036854.D	1	04/07/25 08:55	04/07/25 15:30	PB167475

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
123-91-1	1,4-Dioxane	2.30	U	2.30	6.60	ug/Kg
SURROGATES						
7297-45-2	2-Methylnaphthalene-d10	0.33		30 (17) - 150 (161)	82%	SPK: 0.4
93951-69-0	Fluoranthene-d10	0.41		30 (23) - 150 (138)	103%	SPK: 0.4
4165-60-0	Nitrobenzene-d5	0.31		30 (33) - 130 (121)	76%	SPK: 0.4
321-60-8	2-Fluorobiphenyl	0.26		30 (32) - 130 (121)	65%	SPK: 0.4
1718-51-0	Terphenyl-d14	0.35		30 (21) - 130 (130)	88%	SPK: 0.4
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	1860	7.695			
1146-65-2	Naphthalene-d8	4270	10.487			
15067-26-2	Acenaphthene-d10	2450	14.345			
1517-22-2	Phenanthrene-d10	4710	17.099			
1719-03-5	Chrysene-d12	4000	21.286			
1520-96-3	Perylene-d12	3650	23.522			

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_N\Data\BN040725\
 Data File : BN036854.D
 Acq On : 07 Apr 2025 15:30
 Operator : RC/JU
 Sample : PB167475BL
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 PB167475BL

Quant Time: Apr 07 16:29:08 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN031025.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Apr 04 17:30:43 2025
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.695	152	1861	0.400	ng	0.00
7) Naphthalene-d8	10.487	136	4270	0.400	ng	0.01
13) Acenaphthene-d10	14.345	164	2449	0.400	ng	0.01
19) Phenanthrene-d10	17.099	188	4708	0.400	ng	# 0.02
29) Chrysene-d12	21.286	240	4003	0.400	ng	0.02
35) Perylene-d12	23.522	264	3652	0.400	ng	0.01
System Monitoring Compounds						
4) 2-Fluorophenol	5.290	112	1829	0.422	ng	0.00
5) Phenol-d6	6.872	99	1933	0.361	ng	0.00
8) Nitrobenzene-d5	8.854	82	1419	0.305	ng	0.01
11) 2-Methylnaphthalene-d10	12.096	152	2081	0.328	ng	0.03
14) 2,4,6-Tribromophenol	15.858	330	270	0.243	ng	0.02
15) 2-Fluorobiphenyl	12.983	172	3708	0.260	ng	0.03
27) Fluoranthene-d10	19.122	212	4981	0.413	ng	0.00
31) Terphenyl-d14	19.726	244	3383	0.353	ng	0.00

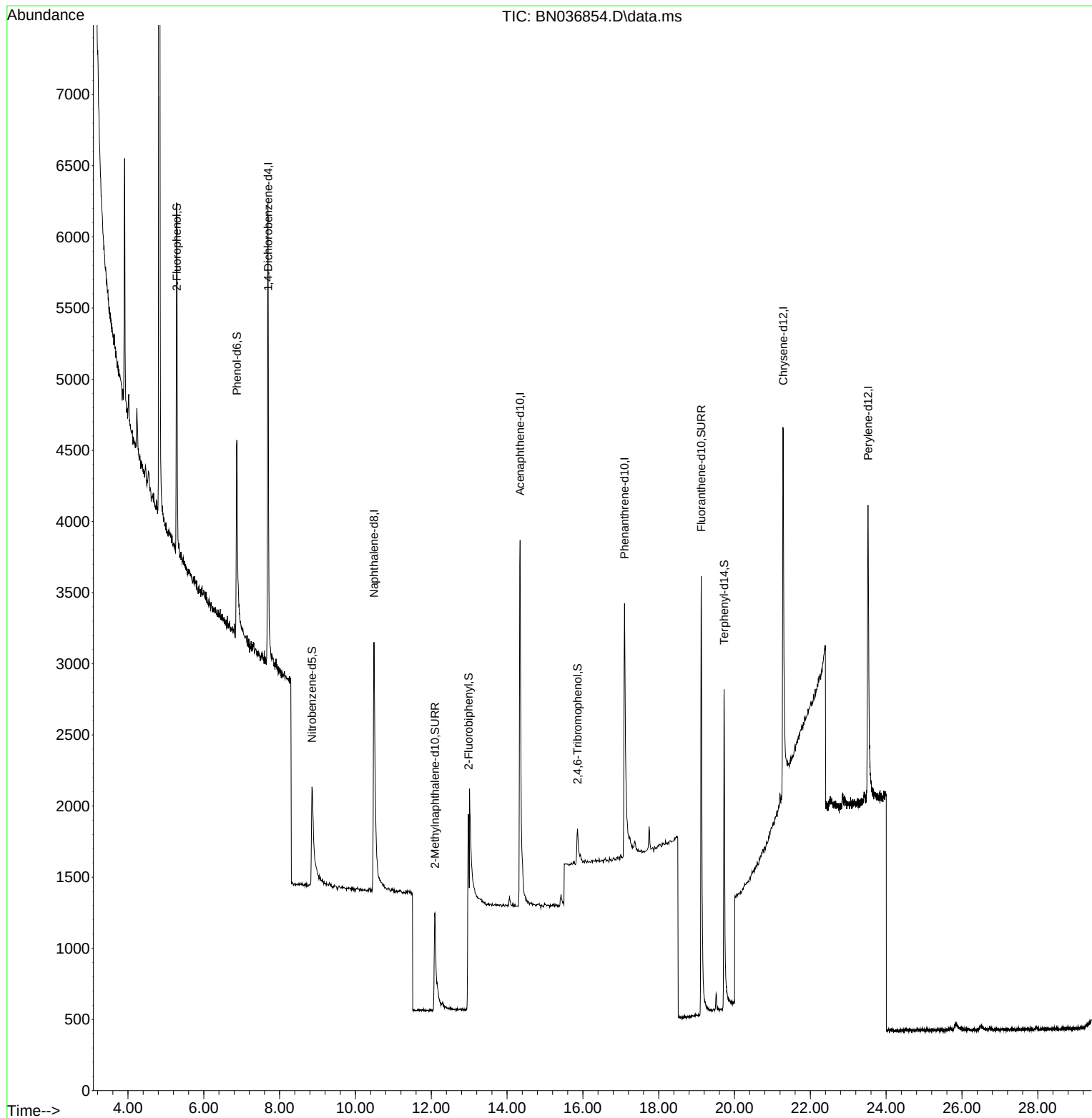
Target Compounds	Qvalue
-----	-----

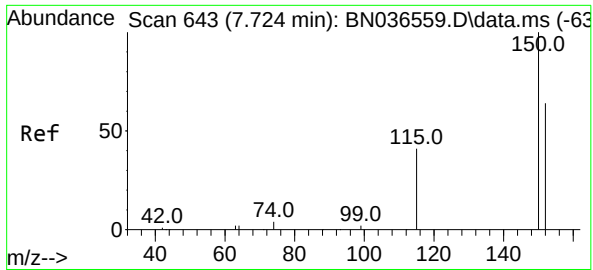
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN040725\
Data File : BN036854.D
Acq On : 07 Apr 2025 15:30
Operator : RC/JU
Sample : PB167475BL
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
PB167475BL

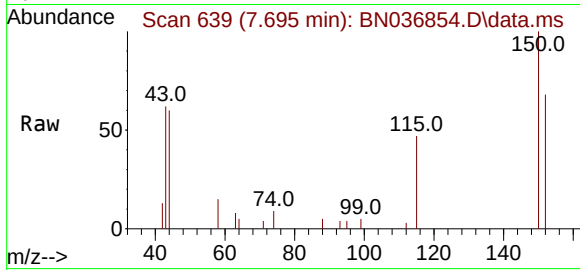
Quant Time: Apr 07 16:29:08 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN031025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Apr 04 17:30:43 2025
Response via : Initial Calibration



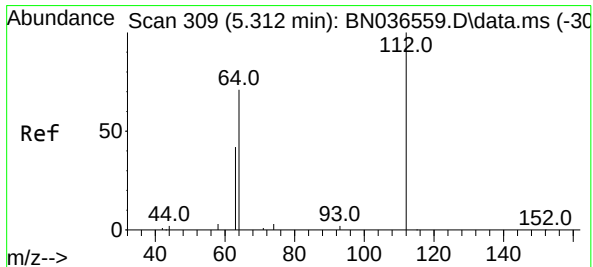
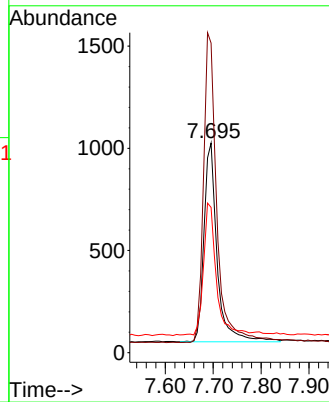
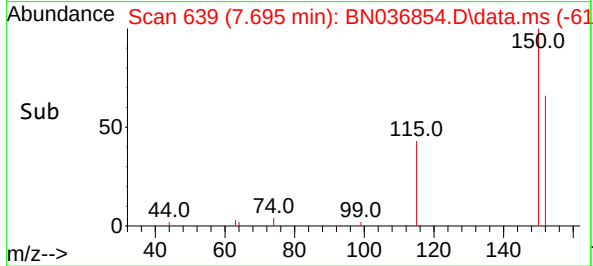


#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.695 min Scan# 61
Delta R.T. 0.007 min
Lab File: BN036854.D
Acq: 07 Apr 2025 15:30

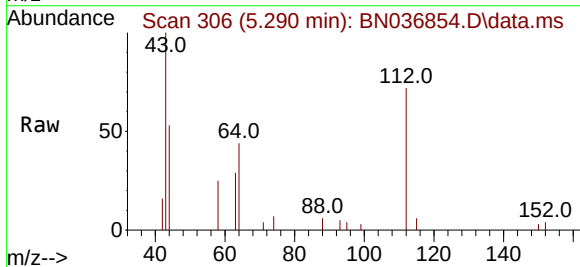
Instrument :
BNA_N
ClientSampleId :
PB167475BL



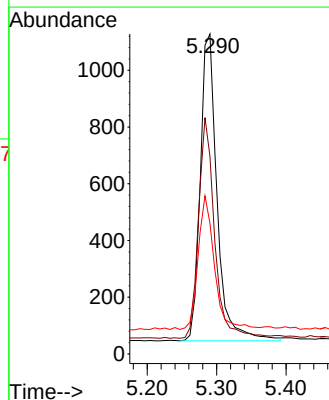
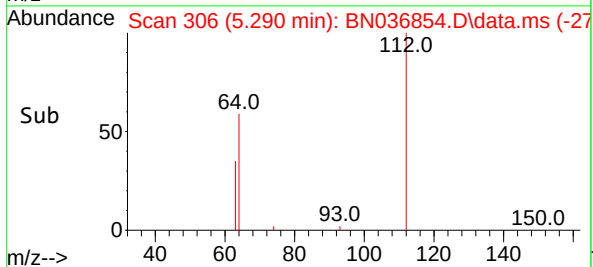
Tgt Ion:152 Resp: 1861
Ion Ratio Lower Upper
152 100
150 147.7 123.7 185.5
115 69.3 54.3 81.5

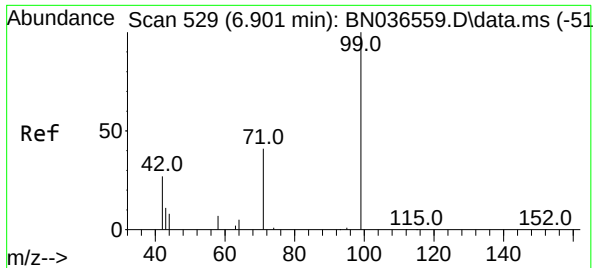


#4
2-Fluorophenol
Concen: 0.422 ng
RT: 5.290 min Scan# 306
Delta R.T. 0.007 min
Lab File: BN036854.D
Acq: 07 Apr 2025 15:30



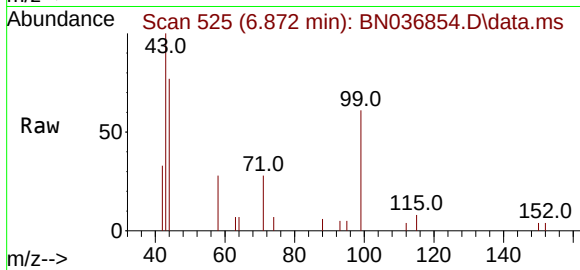
Tgt Ion:112 Resp: 1829
Ion Ratio Lower Upper
112 100
64 68.8 53.1 79.7
63 42.2 31.8 47.8



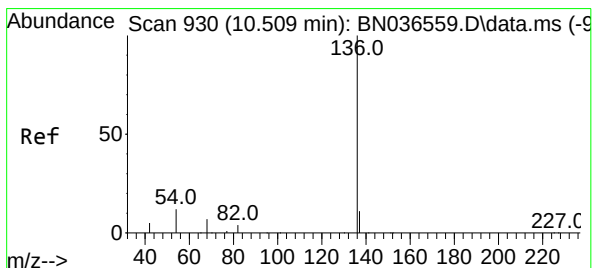
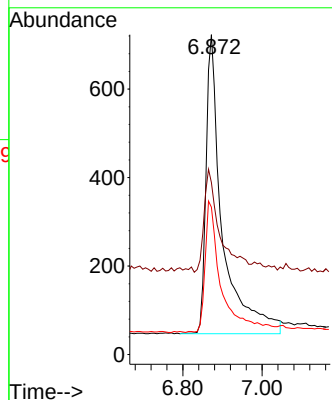
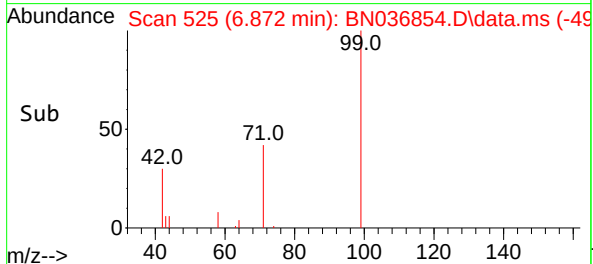


#5
Phenol-d6
Concen: 0.361 ng
RT: 6.872 min Scan# 51
Delta R.T. 0.007 min
Lab File: BN036854.D
Acq: 07 Apr 2025 15:30

Instrument :
BNA_N
ClientSampleId :
PB167475BL

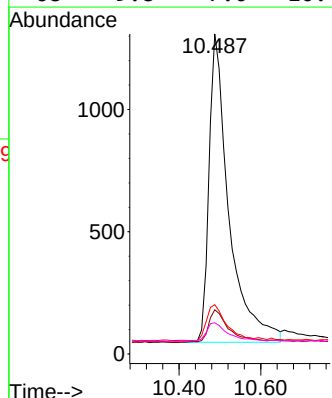
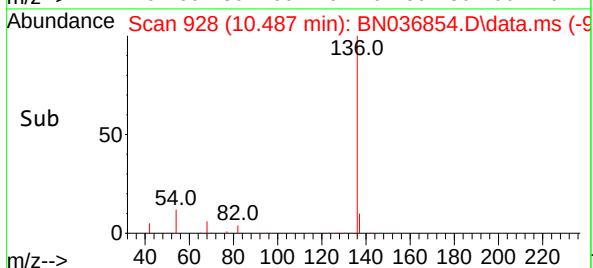
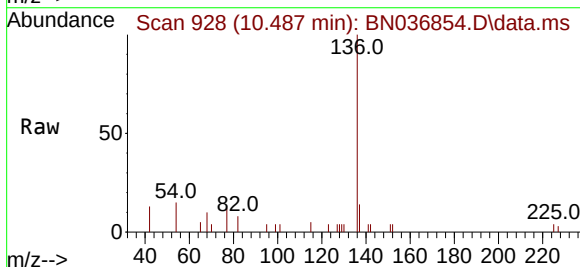


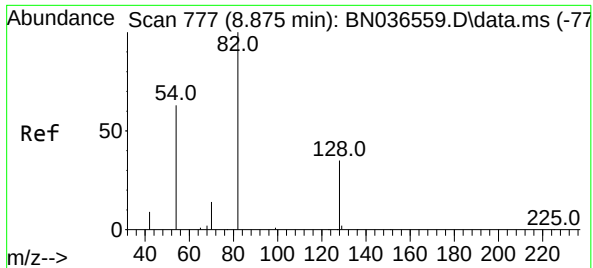
Tgt Ion: 99 Resp: 1933
Ion Ratio Lower Upper
99 100
42 33.3 26.5 39.7
71 43.7 34.1 51.1



#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.487 min Scan# 928
Delta R.T. 0.011 min
Lab File: BN036854.D
Acq: 07 Apr 2025 15:30

Tgt Ion: 136 Resp: 4270
Ion Ratio Lower Upper
136 100
137 13.8 10.3 15.5
54 15.4 11.5 17.3
68 9.8 7.0 10.4

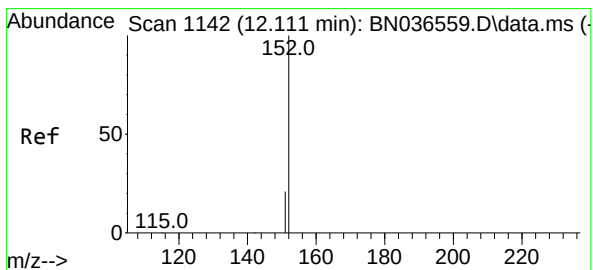
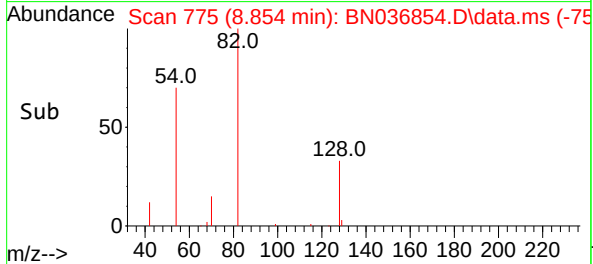
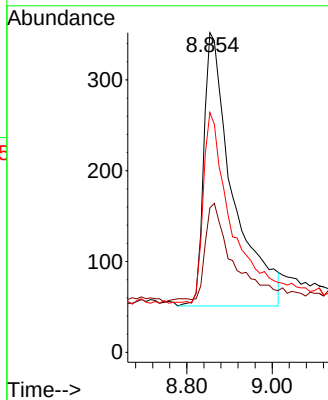
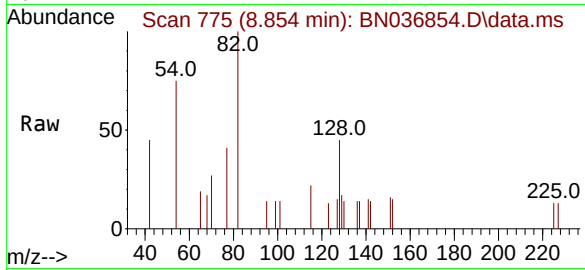




#8
Nitrobenzene-d5
Concen: 0.305 ng
RT: 8.854 min Scan# 71
Delta R.T. 0.011 min
Lab File: BN036854.D
Acq: 07 Apr 2025 15:30

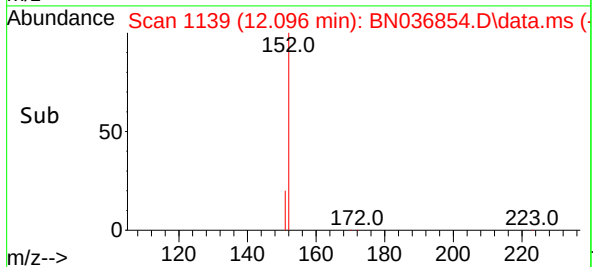
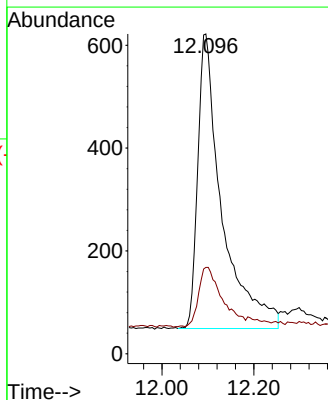
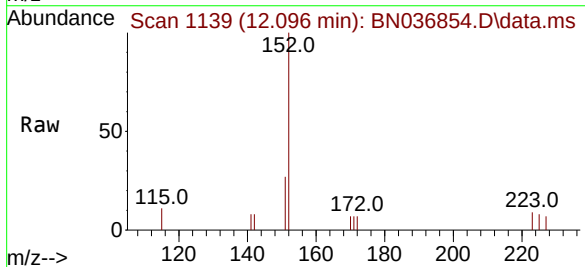
Instrument :
BNA_N
ClientSampleId :
PB167475BL

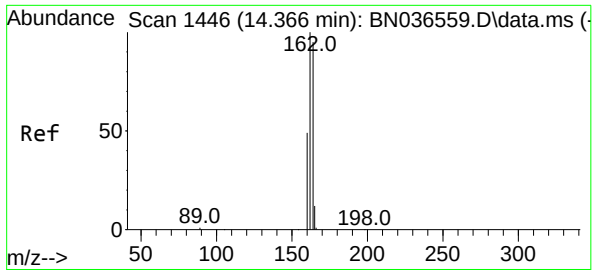
Tgt Ion: 82 Resp: 1419
Ion Ratio Lower Upper
82 100
128 45.2 30.6 45.8
54 75.0 52.2 78.4



#11
2-Methylnaphthalene-d10
Concen: 0.328 ng
RT: 12.096 min Scan# 1139
Delta R.T. 0.025 min
Lab File: BN036854.D
Acq: 07 Apr 2025 15:30

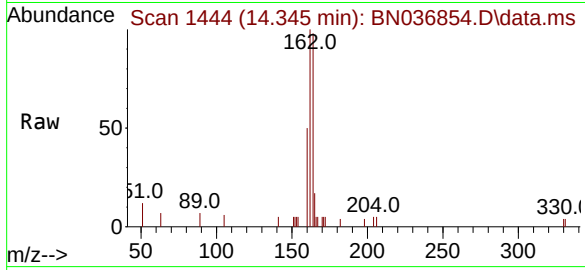
Tgt Ion: 152 Resp: 2081
Ion Ratio Lower Upper
152 100
151 19.9 17.0 25.6



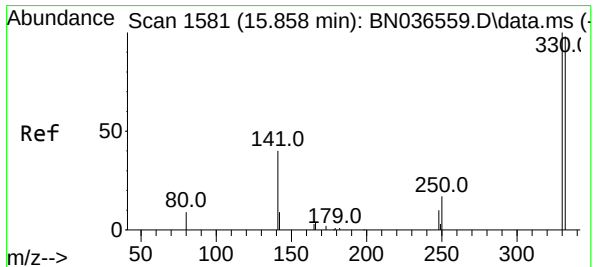
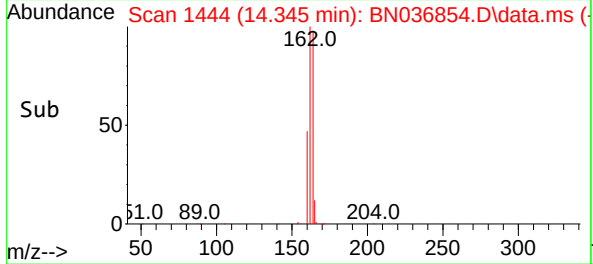
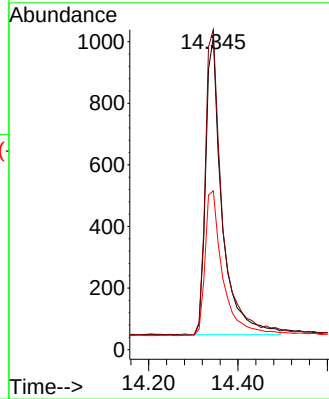


#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.345 min Scan# 1444
Delta R.T. 0.011 min
Lab File: BN036854.D
Acq: 07 Apr 2025 15:30

Instrument :
BNA_N
ClientSampleId :
PB167475BL

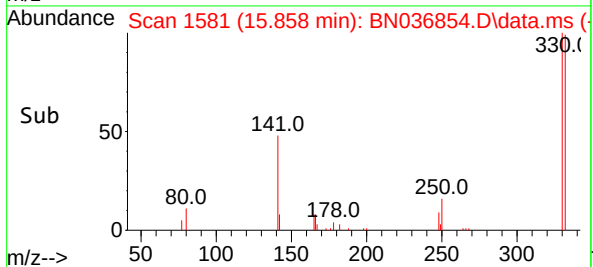
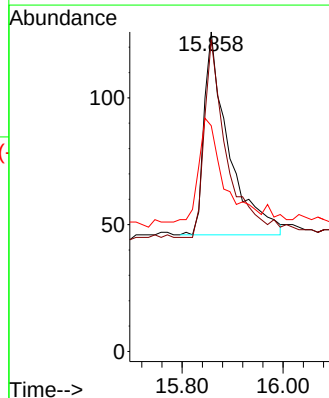
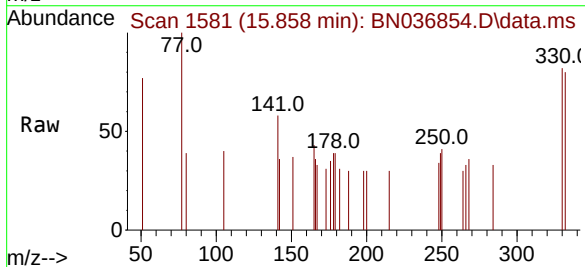


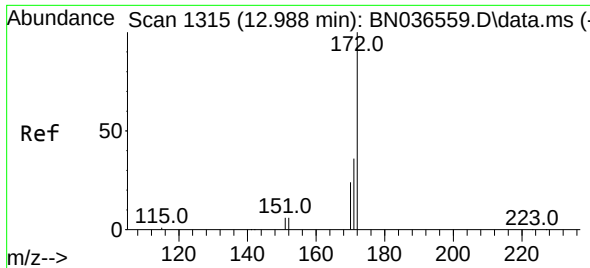
Tgt Ion:164 Resp: 2449
Ion Ratio Lower Upper
164 100
162 102.4 84.2 126.2
160 50.8 42.2 63.2



#14
2,4,6-Tribromophenol
Concen: 0.243 ng
RT: 15.858 min Scan# 1581
Delta R.T. 0.025 min
Lab File: BN036854.D
Acq: 07 Apr 2025 15:30

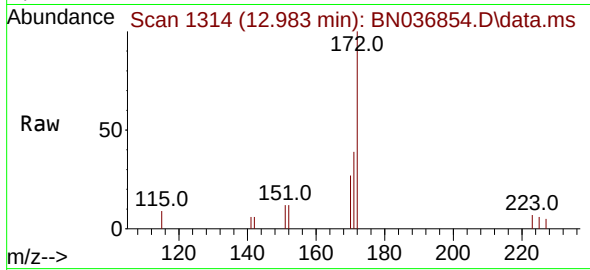
Tgt Ion:330 Resp: 270
Ion Ratio Lower Upper
330 100
332 91.9 75.2 112.8
141 51.9 43.4 65.2



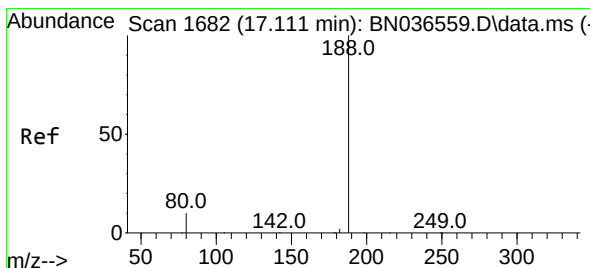
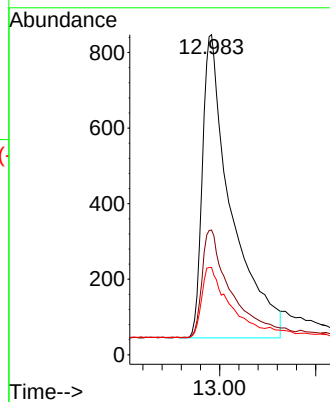
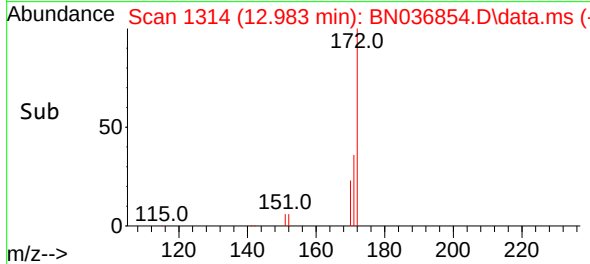


#15
2-Fluorobiphenyl
Concen: 0.260 ng
RT: 12.983 min Scan# 11
Delta R.T. 0.025 min
Lab File: BN036854.D
Acq: 07 Apr 2025 15:30

Instrument :
BNA_N
ClientSampleId :
PB167475BL

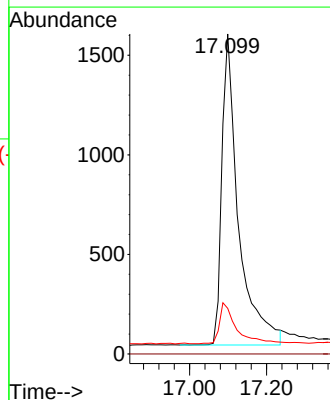
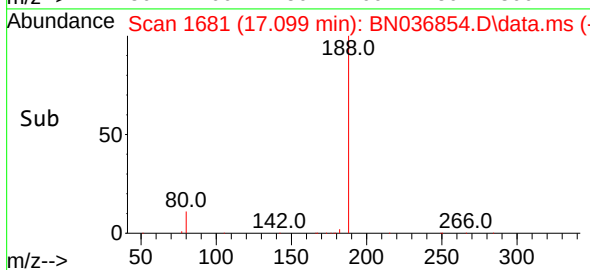
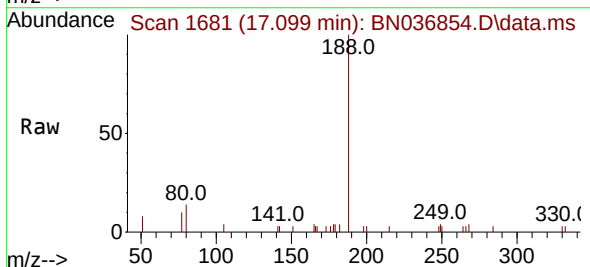


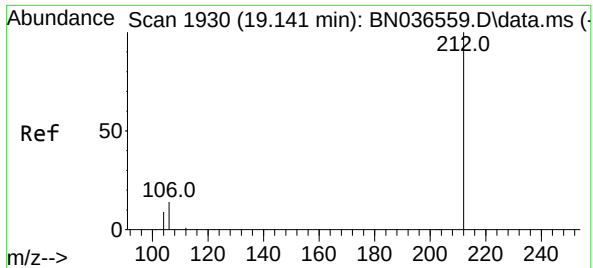
Tgt Ion:172 Resp: 3708
Ion Ratio Lower Upper
172 100
171 39.0 29.5 44.3
170 27.3 20.2 30.4



#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.099 min Scan# 1681
Delta R.T. 0.025 min
Lab File: BN036854.D
Acq: 07 Apr 2025 15:30

Tgt Ion:188 Resp: 4708
Ion Ratio Lower Upper
188 100
94 0.0 0.0 0.0
80 14.3 8.8 13.2#

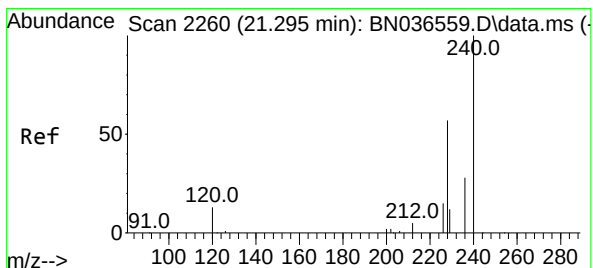
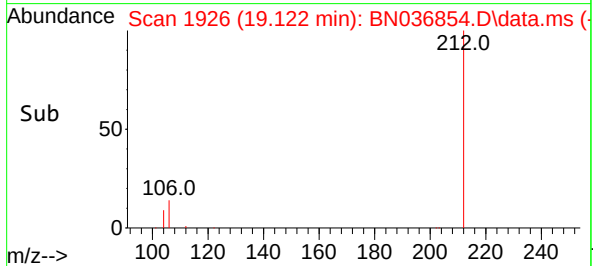
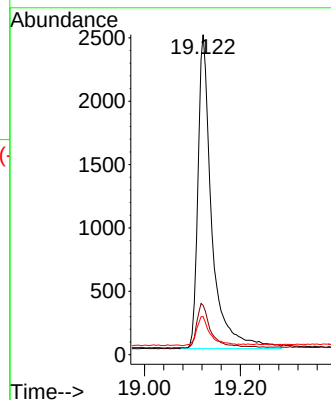
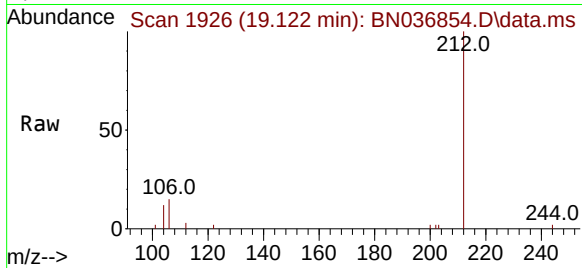




#27
Fluoranthene-d10
Concen: 0.413 ng
RT: 19.122 min Scan# 1926
Delta R.T. 0.009 min
Lab File: BN036854.D
Acq: 07 Apr 2025 15:30

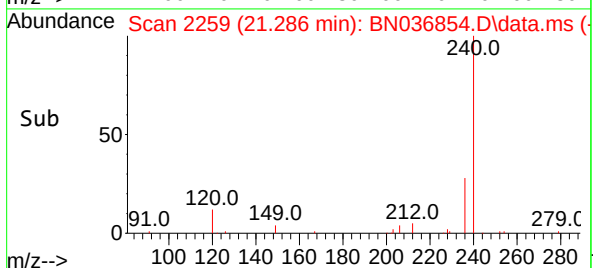
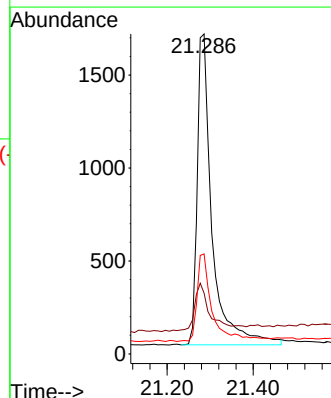
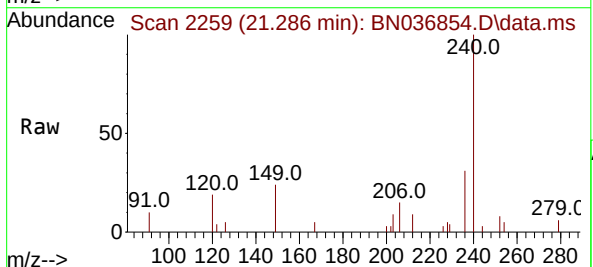
Instrument :
BNA_N
ClientSampleId :
PB167475BL

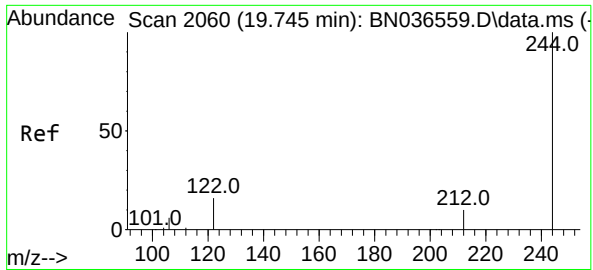
Tgt Ion	Ratio	Lower	Upper
212	100		
106	14.1	11.8	17.6
104	9.2	7.3	10.9



#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.286 min Scan# 2259
Delta R.T. 0.018 min
Lab File: BN036854.D
Acq: 07 Apr 2025 15:30

Tgt Ion	Ratio	Lower	Upper
240	100		
120	19.0	14.6	22.0
236	31.3	24.1	36.1

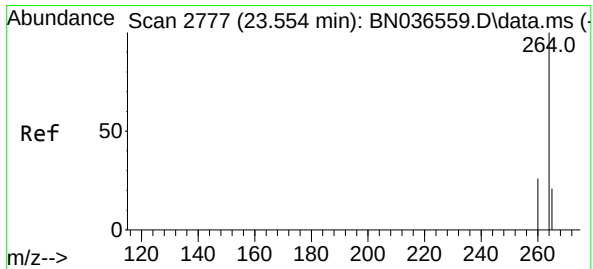
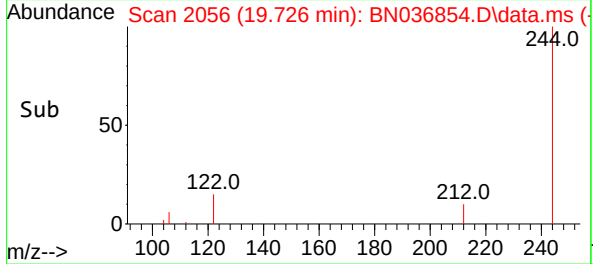
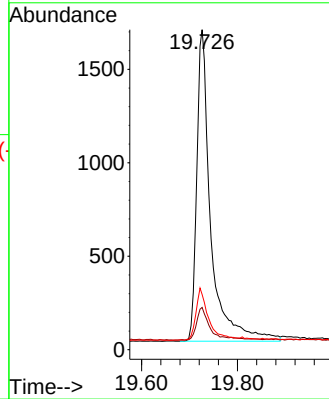
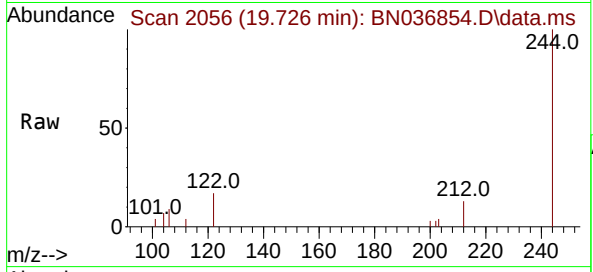




#31
Terphenyl-d14
Concen: 0.353 ng
RT: 19.726 min Scan# 2060
Delta R.T. 0.009 min
Lab File: BN036854.D
Acq: 07 Apr 2025 15:30

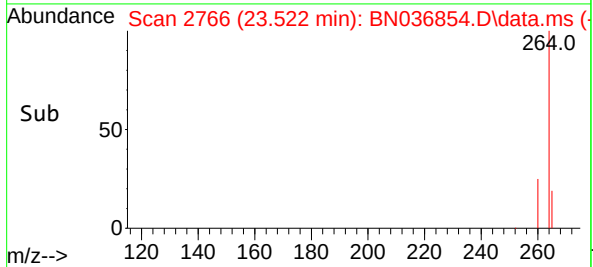
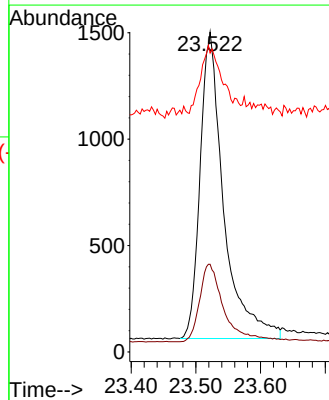
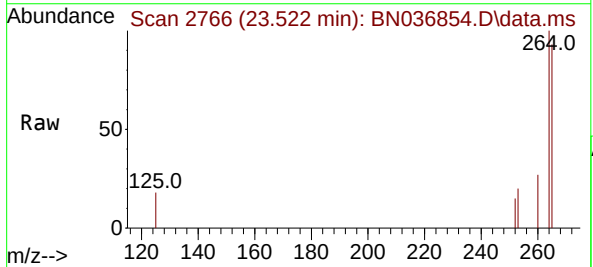
Instrument :
BNA_N
ClientSampleId :
PB167475BL

Tgt Ion:244 Resp: 3383
Ion Ratio Lower Upper
244 100
212 13.2 9.6 14.4
122 17.3 13.9 20.9



#35
Perylene-d12
Concen: 0.400 ng
RT: 23.522 min Scan# 2766
Delta R.T. 0.012 min
Lab File: BN036854.D
Acq: 07 Apr 2025 15:30

Tgt Ion:264 Resp: 3652
Ion Ratio Lower Upper
264 100
260 27.4 22.6 33.8
265 93.4 88.1 132.1



Report of Analysis

Client:	G Environmental	Date Collected:	
Project:	Stockton	Date Received:	
Client Sample ID:	PB167475BS	SDG No.:	Q1736
Lab Sample ID:	PB167475BS	Matrix:	SOIL
Analytical Method:	SW8270ESIM	% Solid:	100
Sample Wt/Vol:	30.02 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-SIMGroup1
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	sw3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BN036853.D	1	04/07/25 08:55	04/07/25 14:54	PB167475

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
123-91-1	1,4-Dioxane	10.4		2.30	6.60	ug/Kg
SURROGATES						
7297-45-2	2-Methylnaphthalene-d10	0.37		30 (17) - 150 (161)	93%	SPK: 0.4
93951-69-0	Fluoranthene-d10	0.36		30 (23) - 150 (138)	89%	SPK: 0.4
4165-60-0	Nitrobenzene-d5	0.31		30 (33) - 130 (121)	78%	SPK: 0.4
321-60-8	2-Fluorobiphenyl	0.34		30 (32) - 130 (121)	85%	SPK: 0.4
1718-51-0	Terphenyl-d14	0.33		30 (21) - 130 (130)	83%	SPK: 0.4
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	2470	7.688			
1146-65-2	Naphthalene-d8	6170	10.477			
15067-26-2	Acenaphthene-d10	3440	14.334			
1517-22-2	Phenanthrene-d10	7010	17.074			
1719-03-5	Chrysene-d12	5620	21.268			
1520-96-3	Perylene-d12	4950	23.516			

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_N\Data\BN040725\
 Data File : BN036853.D
 Acq On : 07 Apr 2025 14:54
 Operator : RC/JU
 Sample : PB167475BS
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 PB167475BS

Quant Time: Apr 07 15:15:40 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN031025.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Apr 04 17:30:43 2025
 Response via : Initial Calibration

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

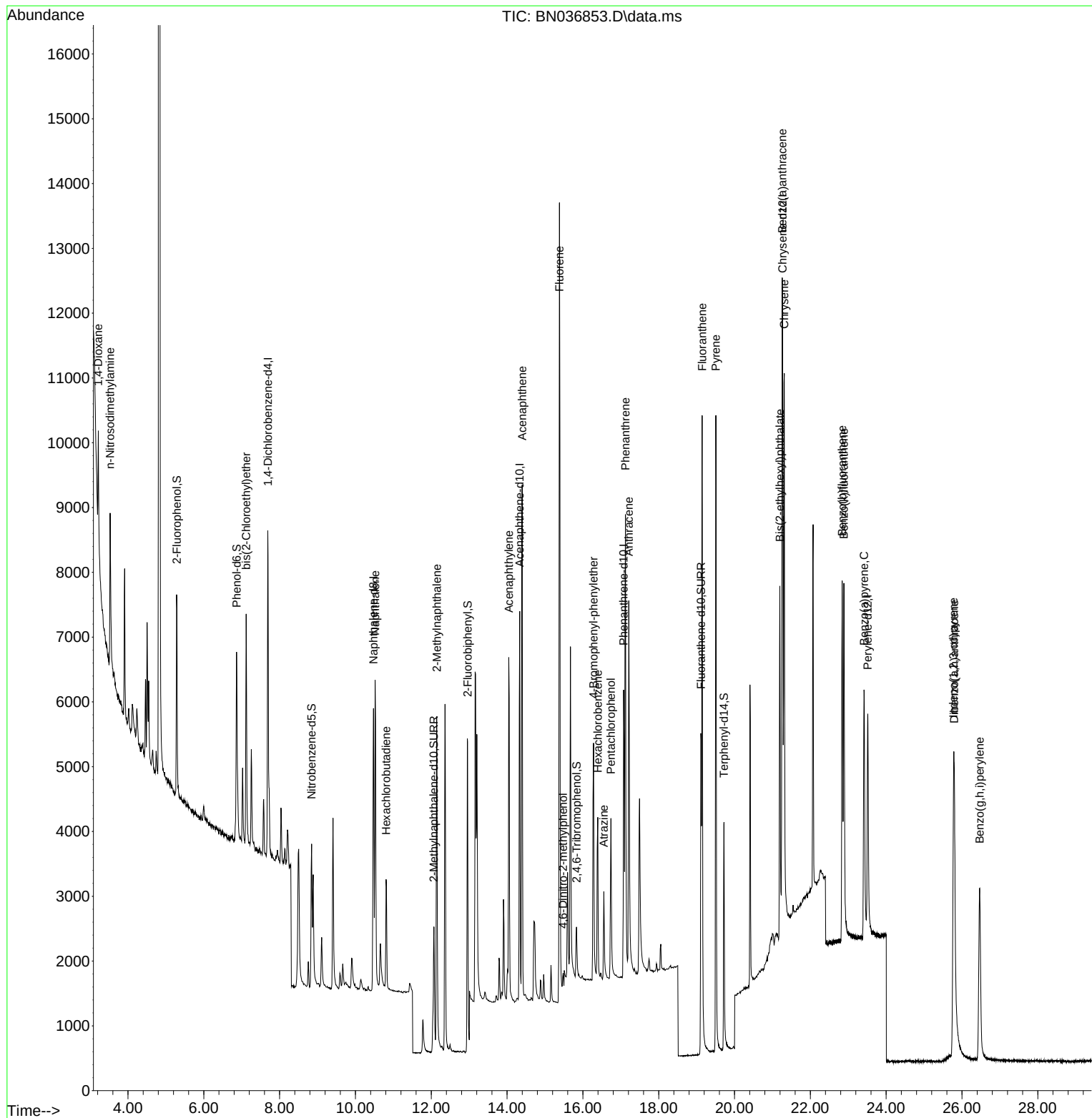
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.688	152	2470	0.400	ng	0.00
7) Naphthalene-d8	10.477	136	6168	0.400	ng	0.00
13) Acenaphthene-d10	14.334	164	3444	0.400	ng	0.00
19) Phenanthrene-d10	17.074	188	7012	0.400	ng	# 0.00
29) Chrysene-d12	21.268	240	5617	0.400	ng	0.00
35) Perylene-d12	23.516	264	4951	0.400	ng	# 0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.290	112	2353	0.409	ng	0.00
5) Phenol-d6	6.865	99	2815	0.396	ng	0.00
8) Nitrobenzene-d5	8.843	82	2099	0.313	ng	0.00
11) 2-Methylnaphthalene-d10	12.070	152	3396m	0.370	ng	0.00
14) 2,4,6-Tribromophenol	15.833	330	515	0.330	ng	0.00
15) 2-Fluorobiphenyl	12.958	172	6803	0.340	ng	0.00
27) Fluoranthene-d10	19.113	212	6408	0.357	ng	0.00
31) Terphenyl-d14	19.722	244	4448	0.331	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	3.218	88	852	0.311	ng	# 19
3) n-Nitrosodimethylamine	3.528	42	2060	0.372	ng	95
6) bis(2-Chloroethyl)ether	7.118	93	2699	0.367	ng	99
9) Naphthalene	10.519	128	6729	0.371	ng	99
10) Hexachlorobutadiene	10.808	225	1456	0.341	ng	# 97
12) 2-Methylnaphthalene	12.146	142	4261	0.369	ng	99
16) Acenaphthylene	14.045	152	6403	0.394	ng	99
17) Acenaphthene	14.398	154	4160	0.391	ng	99
18) Fluorene	15.382	166	5479	0.381	ng	100
20) 4,6-Dinitro-2-methylph...	15.478	198	391	0.364	ng	90
21) 4-Bromophenyl-phenylether	16.280	248	1565	0.356	ng	88
22) Hexachlorobenzene	16.391	284	1875	0.354	ng	98
23) Atrazine	16.553	200	1388	0.394	ng	97
24) Pentachlorophenol	16.739	266	1419	0.587	ng	100
25) Phenanthrene	17.124	178	8470	0.403	ng	99
26) Anthracene	17.210	178	7654	0.403	ng	100
28) Fluoranthene	19.146	202	9471	0.401	ng	100
30) Pyrene	19.508	202	9764	0.356	ng	99
32) Benzo(a)anthracene	21.259	228	7735	0.396	ng	99
33) Chrysene	21.313	228	8835	0.414	ng	99
34) Bis(2-ethylhexyl)phtha...	21.196	149	4505	0.324	ng	# 97
36) Indeno(1,2,3-cd)pyrene	25.779	276	7577	0.424	ng	99
37) Benzo(b)fluoranthene	22.841	252	7224	0.401	ng	96
38) Benzo(k)fluoranthene	22.885	252	7900	0.418	ng	94
39) Benzo(a)pyrene	23.417	252	6701	0.442	ng	92
40) Dibenzo(a,h)anthracene	25.797	278	5830	0.419	ng	96
41) Benzo(g,h,i)perylene	26.466	276	6259	0.393	ng	98

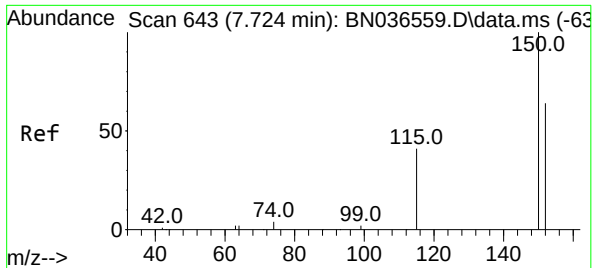
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN040725\
Data File : BN036853.D
Acq On : 07 Apr 2025 14:54
Operator : RC/JU
Sample : PB167475BS
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
PB167475BS

Quant Time: Apr 07 15:15:40 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN031025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Apr 04 17:30:43 2025
Response via : Initial Calibration

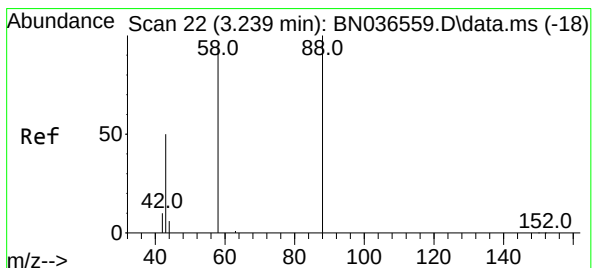
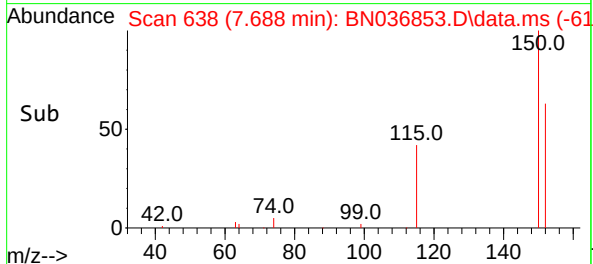
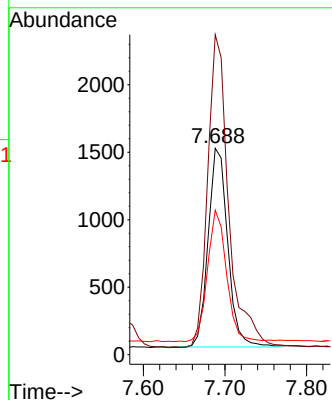
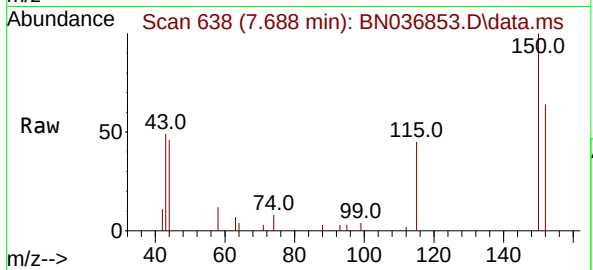




#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.688 min Scan# 61
Delta R.T. 0.000 min
Lab File: BN036853.D
Acq: 07 Apr 2025 14:54

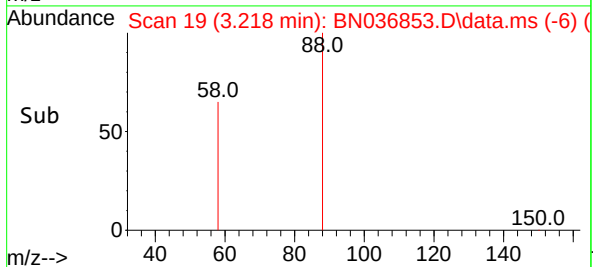
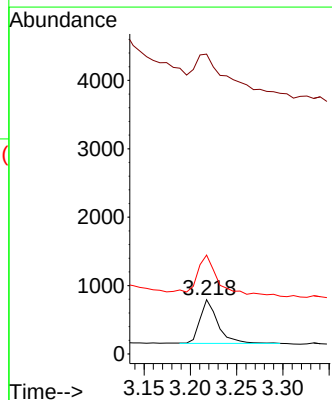
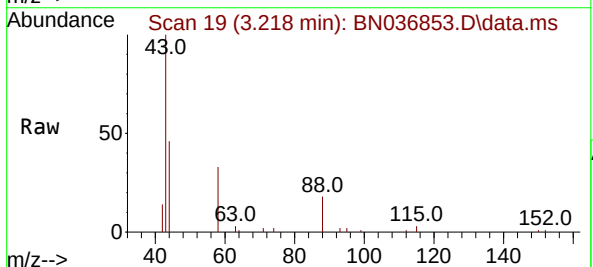
Instrument :
BNA_N
ClientSampleId :
PB167475BS

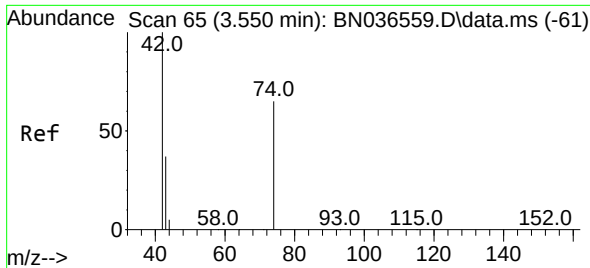
Tgt Ion:152 Resp: 2470
Ion Ratio Lower Upper
152 100
150 155.1 123.7 185.5
115 70.0 54.3 81.5



#2
1,4-Dioxane
Concen: 0.311 ng
RT: 3.218 min Scan# 19
Delta R.T. -0.007 min
Lab File: BN036853.D
Acq: 07 Apr 2025 14:54

Tgt Ion: 88 Resp: 852
Ion Ratio Lower Upper
88 100
43 154.3 37.8 56.8#
58 117.4 67.4 101.2#

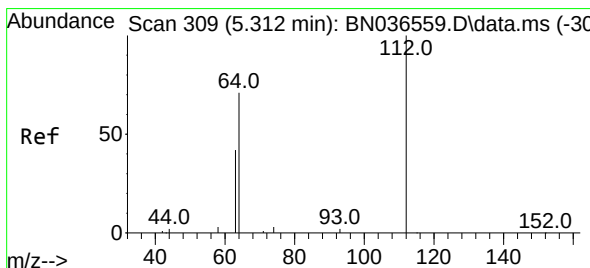
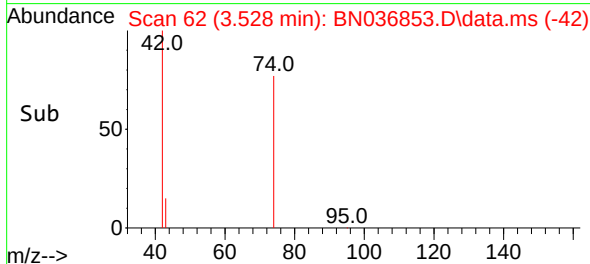
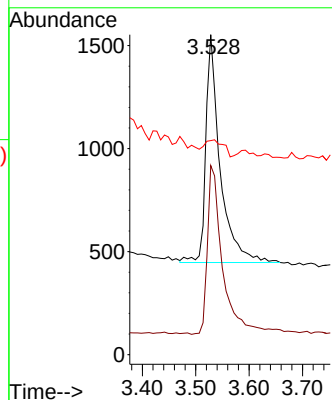
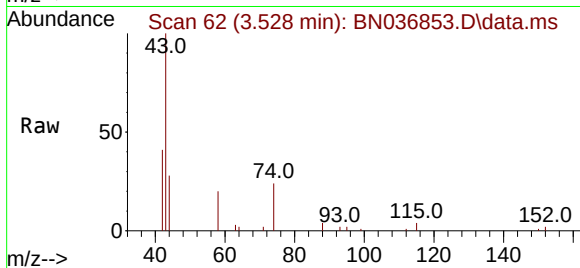




#3
n-Nitrosodimethylamine
Concen: 0.372 ng
RT: 3.528 min Scan# 61
Delta R.T. -0.007 min
Lab File: BN036853.D
Acq: 07 Apr 2025 14:54

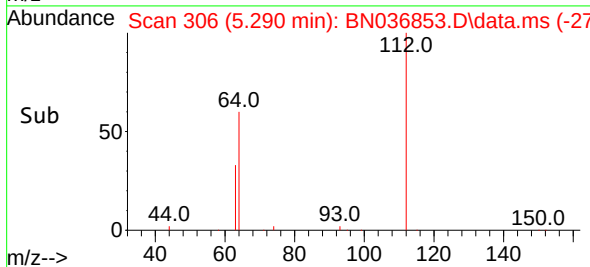
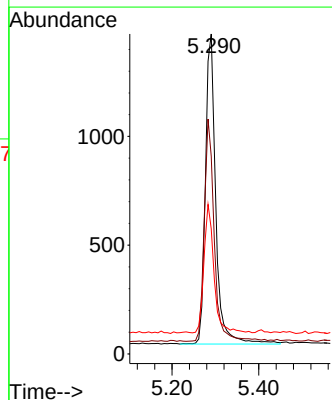
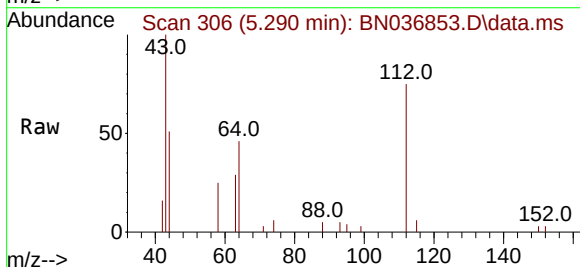
Instrument :
BNA_N
ClientSampleId :
PB167475BS

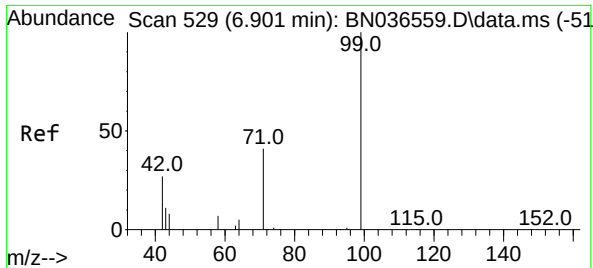
Tgt Ion: 42 Resp: 2060
Ion Ratio Lower Upper
42 100
74 80.0 60.6 90.8
44 8.8 6.3 9.5



#4
2-Fluorophenol
Concen: 0.409 ng
RT: 5.290 min Scan# 306
Delta R.T. 0.007 min
Lab File: BN036853.D
Acq: 07 Apr 2025 14:54

Tgt Ion: 112 Resp: 2353
Ion Ratio Lower Upper
112 100
64 69.6 53.1 79.7
63 40.2 31.8 47.8

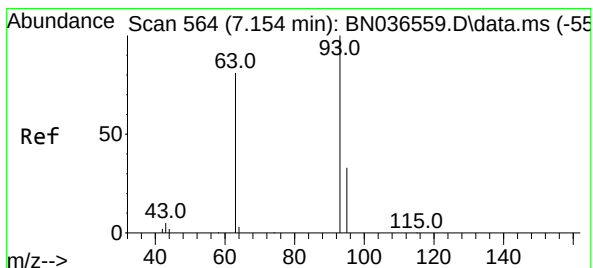
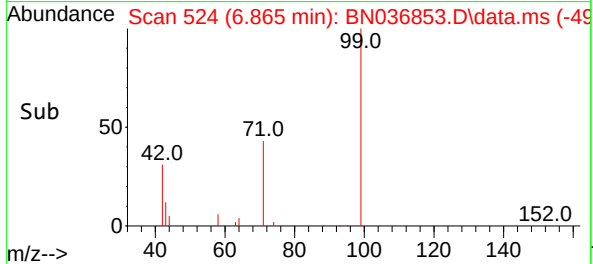
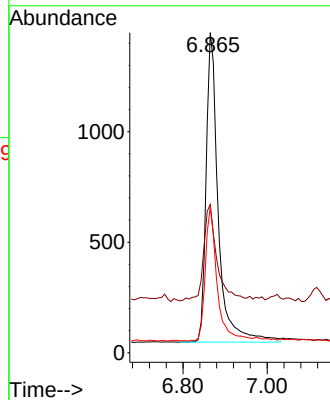
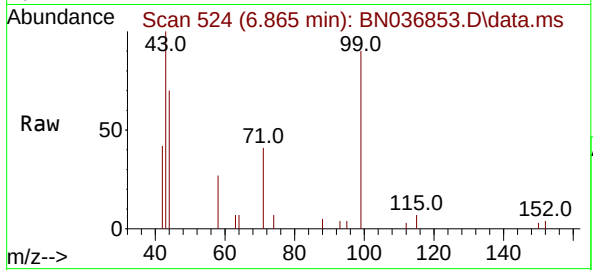




#5
Phenol-d6
Concen: 0.396 ng
RT: 6.865 min Scan# 51
Delta R.T. -0.000 min
Lab File: BN036853.D
Acq: 07 Apr 2025 14:54

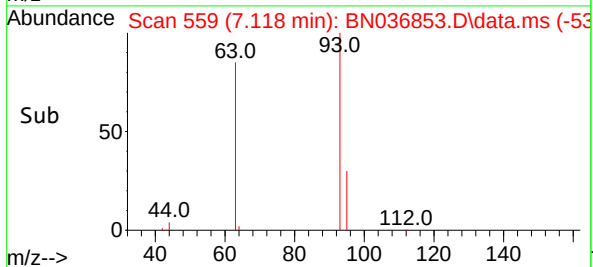
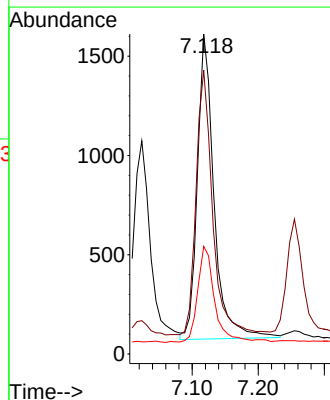
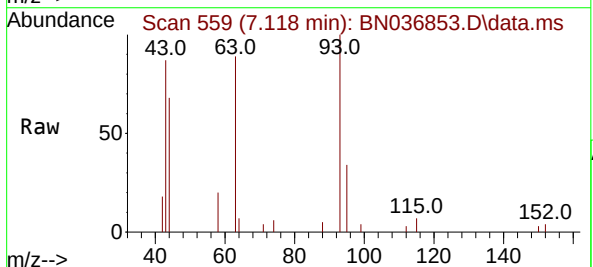
Instrument :
BNA_N
ClientSampleId :
PB167475BS

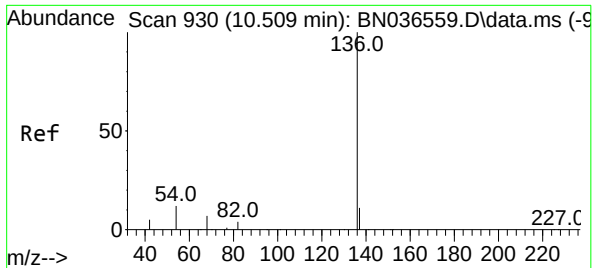
Tgt Ion: 99 Resp: 2815
Ion Ratio Lower Upper
99 100
42 34.1 26.5 39.7
71 41.6 34.1 51.1



#6
bis(2-Chloroethyl)ether
Concen: 0.367 ng
RT: 7.118 min Scan# 559
Delta R.T. -0.000 min
Lab File: BN036853.D
Acq: 07 Apr 2025 14:54

Tgt Ion: 93 Resp: 2699
Ion Ratio Lower Upper
93 100
63 85.9 67.7 101.5
95 31.9 25.6 38.4

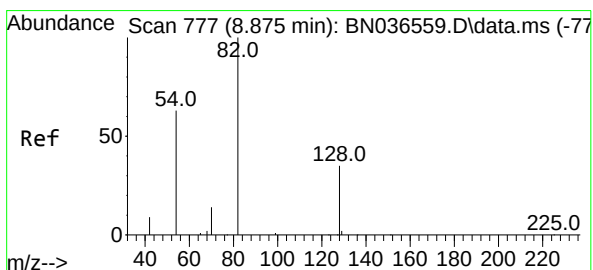
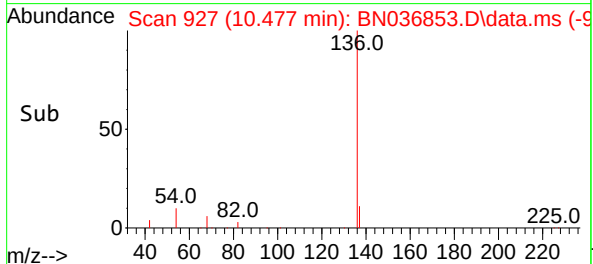
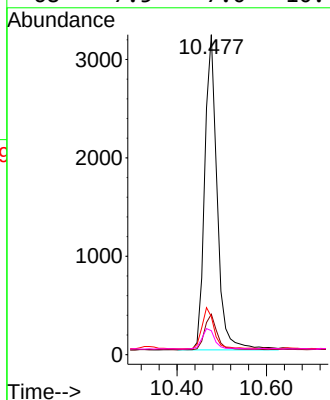
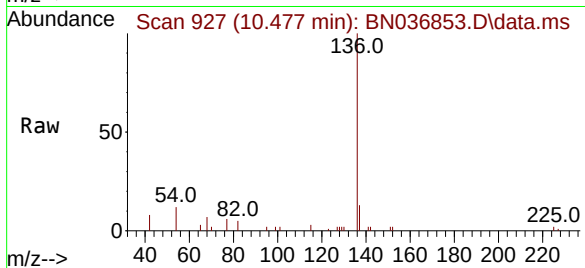




#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.477 min Scan# 91
Delta R.T. -0.000 min
Lab File: BN036853.D
Acq: 07 Apr 2025 14:54

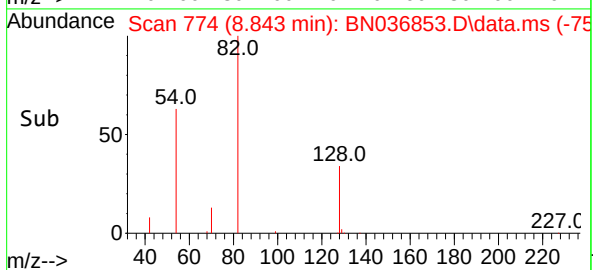
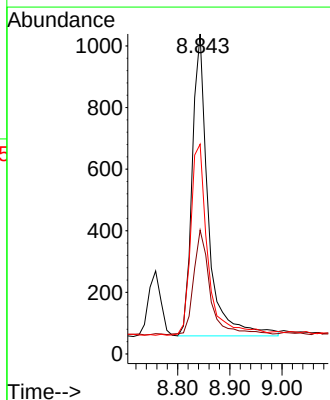
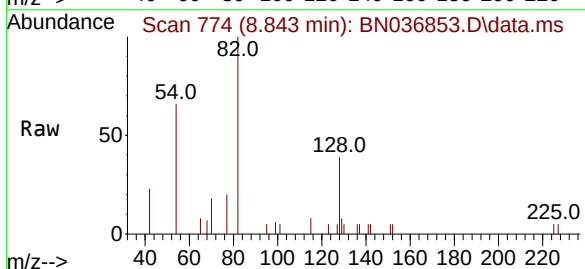
Instrument :
BNA_N
ClientSampleId :
PB167475BS

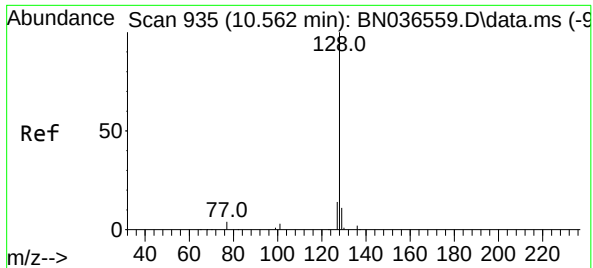
Tgt Ion:	136	Resp:	6168
Ion	Ratio	Lower	Upper
136	100		
137	12.6	10.3	15.5
54	11.9	11.5	17.3
68	7.5	7.0	10.4



#8
Nitrobenzene-d5
Concen: 0.313 ng
RT: 8.843 min Scan# 774
Delta R.T. -0.000 min
Lab File: BN036853.D
Acq: 07 Apr 2025 14:54

Tgt Ion:	82	Resp:	2099
Ion	Ratio	Lower	Upper
82	100		
128	38.7	30.6	45.8
54	65.5	52.2	78.4

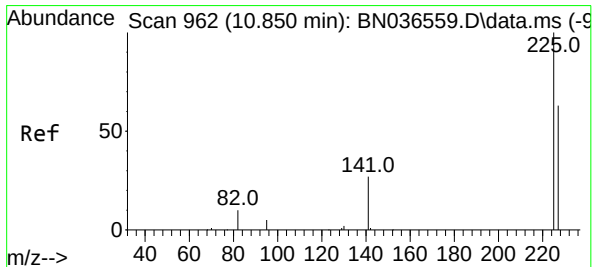
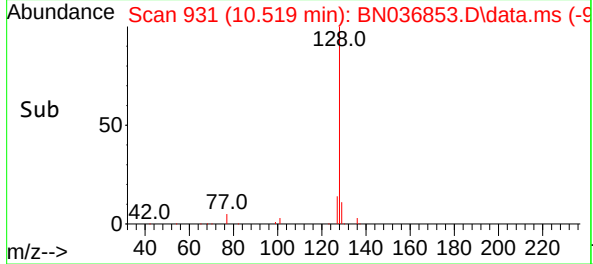
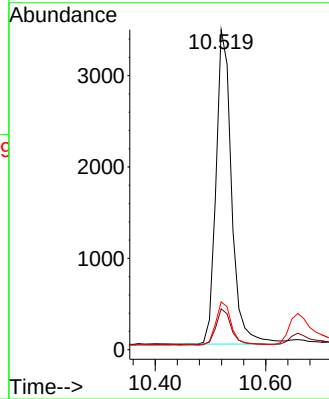
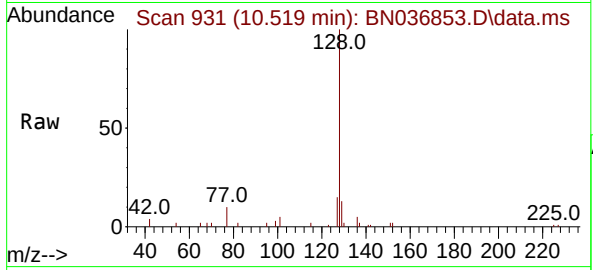




#9
Naphthalene
Concen: 0.371 ng
RT: 10.519 min Scan# 91
Delta R.T. -0.000 min
Lab File: BN036853.D
Acq: 07 Apr 2025 14:54

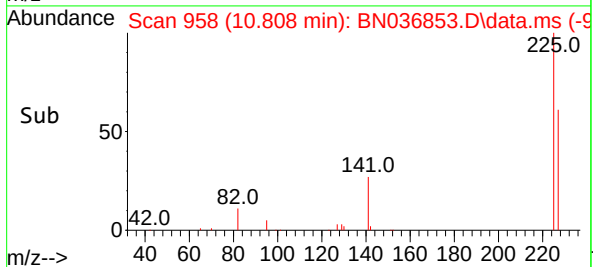
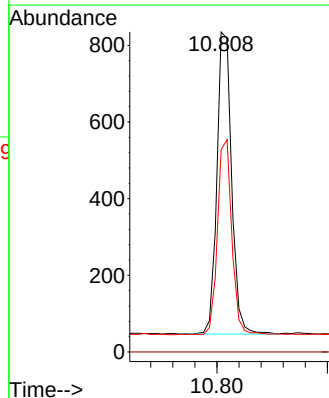
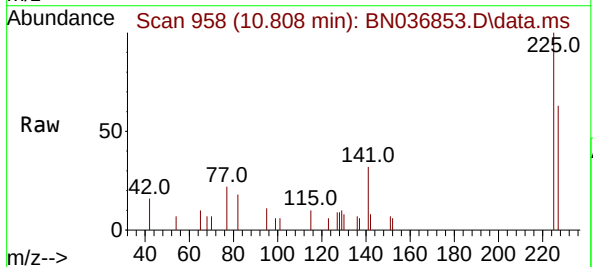
Instrument :
BNA_N
ClientSampleId :
PB167475BS

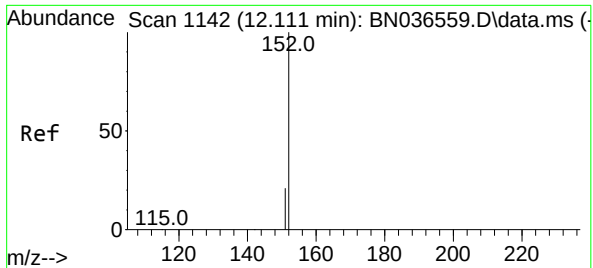
Tgt Ion:128 Resp: 6729
Ion Ratio Lower Upper
128 100
129 12.7 9.8 14.6
127 15.0 11.8 17.8



#10
Hexachlorobutadiene
Concen: 0.341 ng
RT: 10.808 min Scan# 958
Delta R.T. -0.011 min
Lab File: BN036853.D
Acq: 07 Apr 2025 14:54

Tgt Ion:225 Resp: 1456
Ion Ratio Lower Upper
225 100
223 0.0 0.0 0.0
227 62.3 51.8 77.8

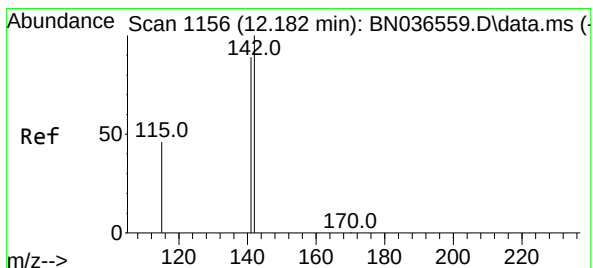
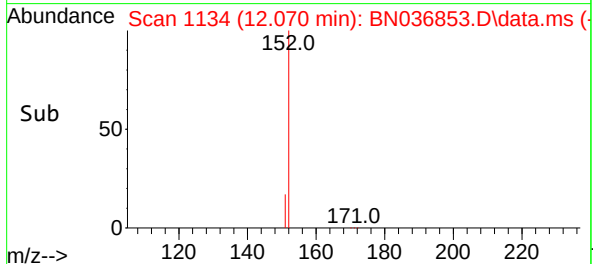
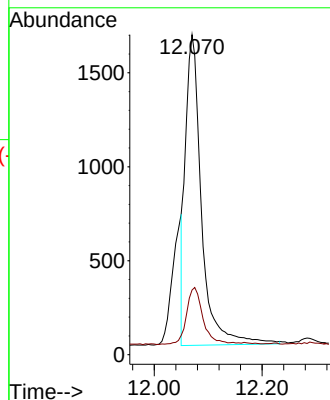
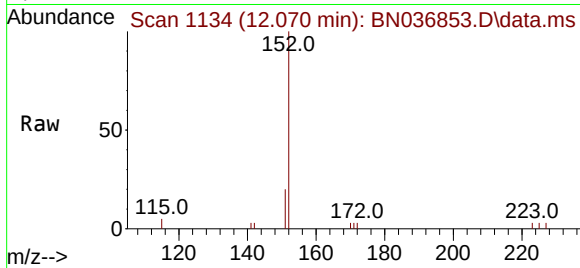




#11
2-Methylnaphthalene-d10
Concen: 0.370 ng m
RT: 12.070 min Scan# 1142
Delta R.T. -0.000 min
Lab File: BN036853.D
Acq: 07 Apr 2025 14:54

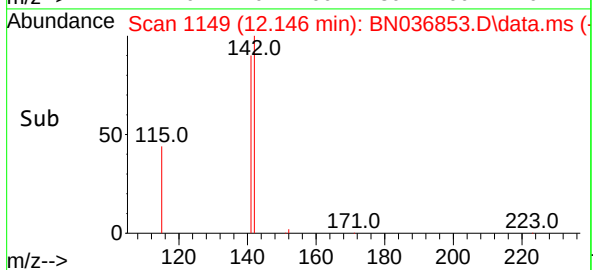
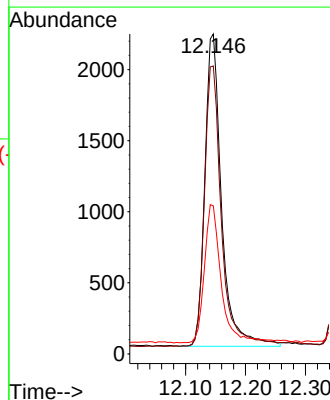
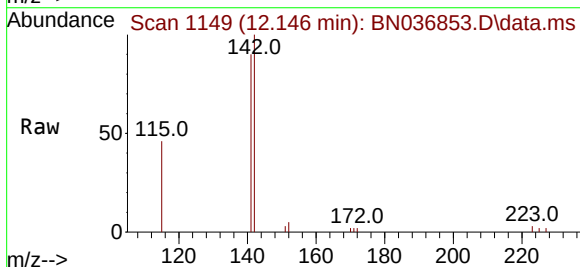
Instrument :
BNA_N
ClientSampleId :
PB167475BS

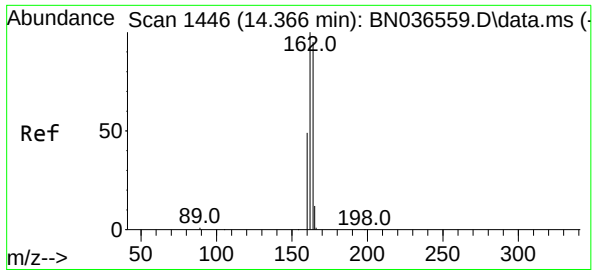
Tgt Ion:152 Resp: 3396
Ion Ratio Lower Upper
152 100
151 18.8 17.0 25.6



#12
2-Methylnaphthalene
Concen: 0.369 ng
RT: 12.146 min Scan# 1149
Delta R.T. -0.000 min
Lab File: BN036853.D
Acq: 07 Apr 2025 14:54

Tgt Ion:142 Resp: 4261
Ion Ratio Lower Upper
142 100
141 90.0 71.7 107.5
115 46.3 38.3 57.5

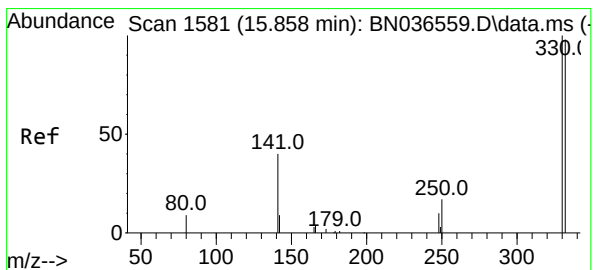
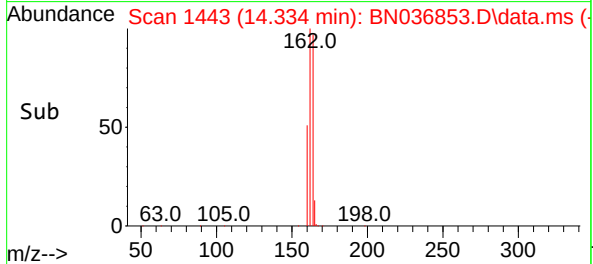
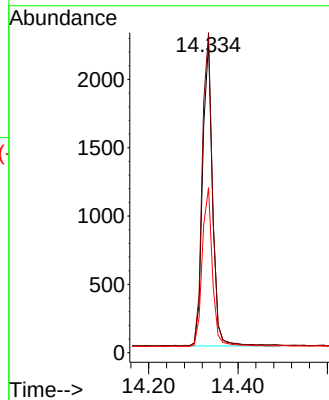
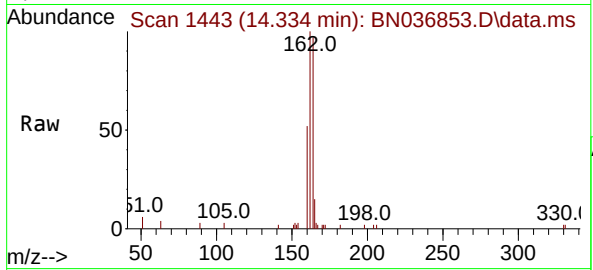




#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.334 min Scan# 1446
Delta R.T. -0.000 min
Lab File: BN036853.D
Acq: 07 Apr 2025 14:54

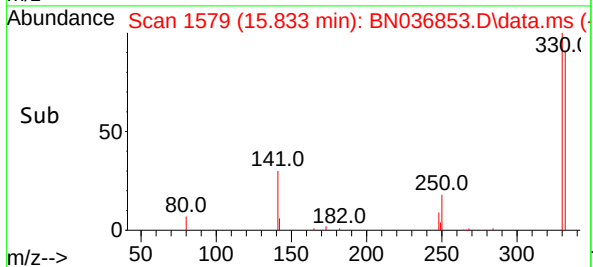
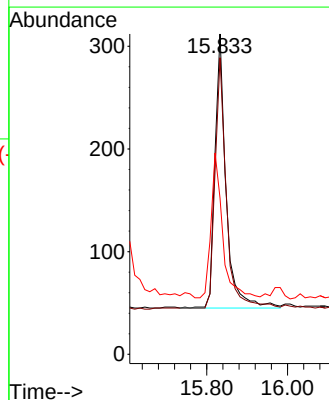
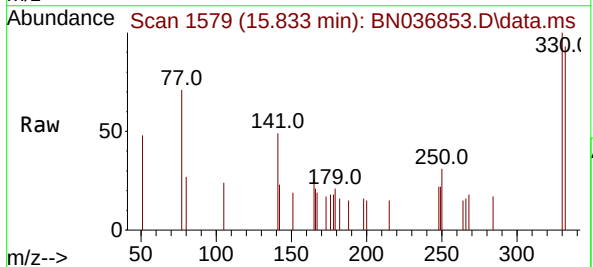
Instrument :
BNA_N
ClientSampleId :
PB167475BS

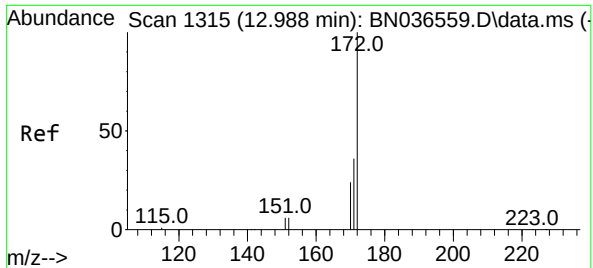
Tgt Ion:164 Resp: 3444
Ion Ratio Lower Upper
164 100
162 103.3 84.2 126.2
160 53.2 42.2 63.2



#14
2,4,6-Tribromophenol
Concen: 0.330 ng
RT: 15.833 min Scan# 1579
Delta R.T. -0.000 min
Lab File: BN036853.D
Acq: 07 Apr 2025 14:54

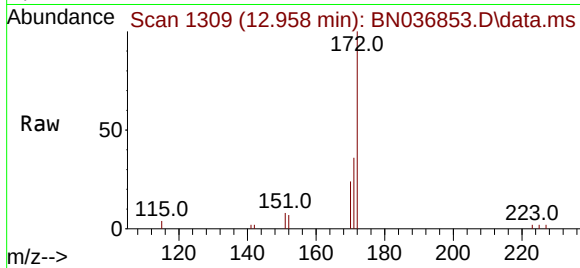
Tgt Ion:330 Resp: 515
Ion Ratio Lower Upper
330 100
332 91.5 75.2 112.8
141 54.2 43.4 65.2



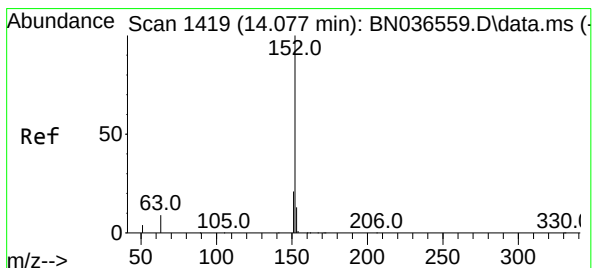
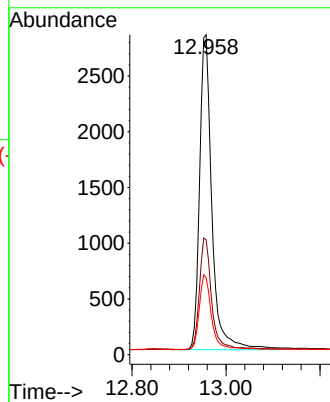
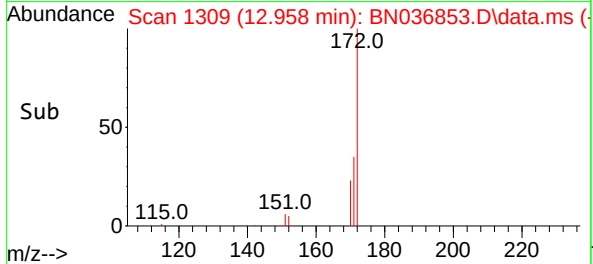


#15
2-Fluorobiphenyl
Concen: 0.340 ng
RT: 12.958 min Scan# 11
Delta R.T. -0.000 min
Lab File: BN036853.D
Acq: 07 Apr 2025 14:54

Instrument :
BNA_N
ClientSampleId :
PB167475BS

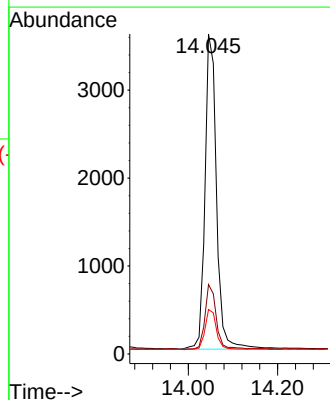
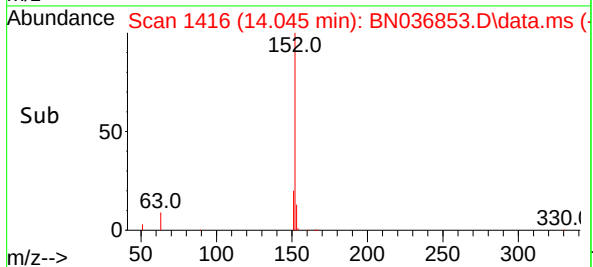
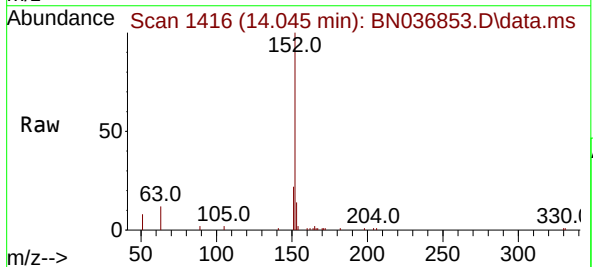


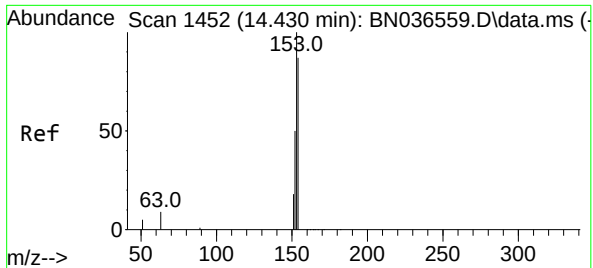
Tgt Ion:172 Resp: 6803
Ion Ratio Lower Upper
172 100
171 35.9 29.5 44.3
170 24.0 20.2 30.4



#16
Acenaphthylene
Concen: 0.394 ng
RT: 14.045 min Scan# 1416
Delta R.T. -0.000 min
Lab File: BN036853.D
Acq: 07 Apr 2025 14:54

Tgt Ion:152 Resp: 6403
Ion Ratio Lower Upper
152 100
151 20.2 16.2 24.4
153 12.7 10.6 15.8





#17

Acenaphthene

Concen: 0.391 ng

RT: 14.398 min Scan# 1449

Delta R.T. -0.000 min

Lab File: BN036853.D

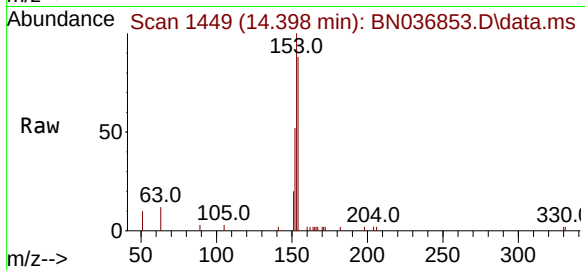
Acq: 07 Apr 2025 14:54

Instrument :

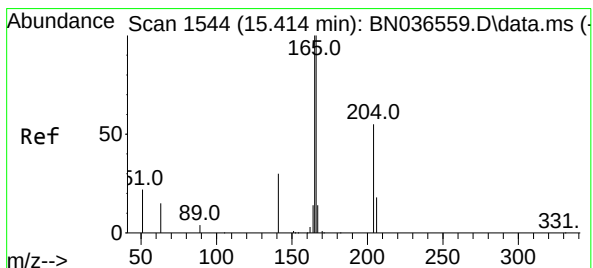
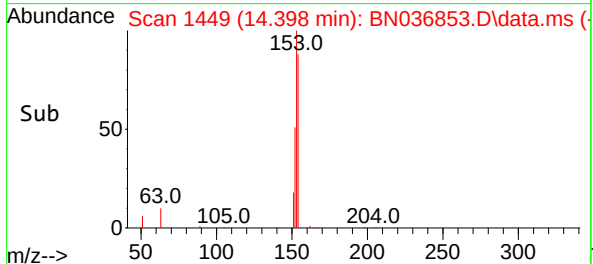
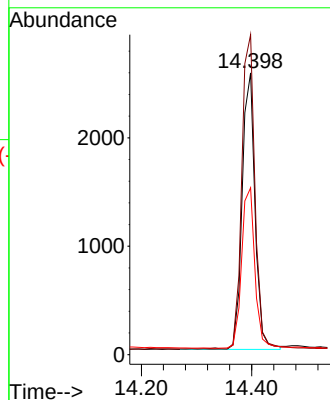
BNA_N

ClientSampleId :

PB167475BS



Tgt Ion:154	Resp:	4160
Ion	Ratio	Lower Upper
154	100	
153	116.9	94.1 141.1
152	60.4	49.8 74.6



#18

Fluorene

Concen: 0.381 ng

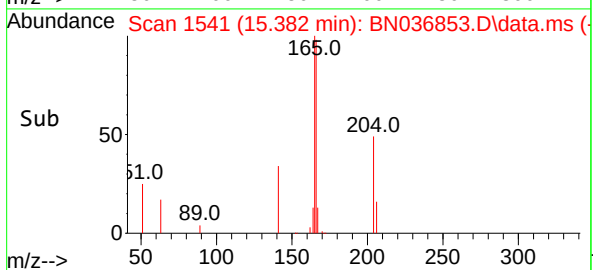
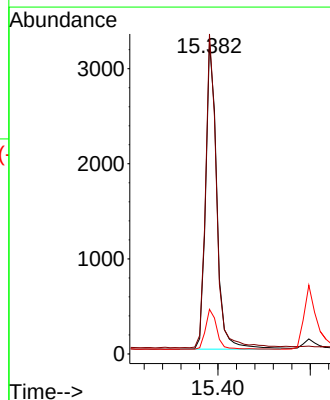
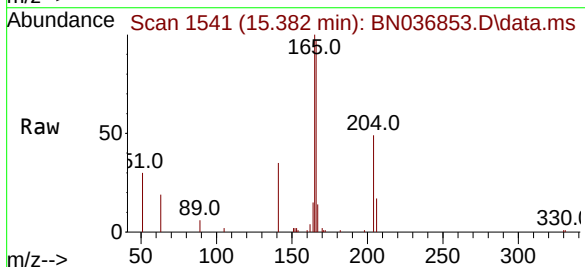
RT: 15.382 min Scan# 1541

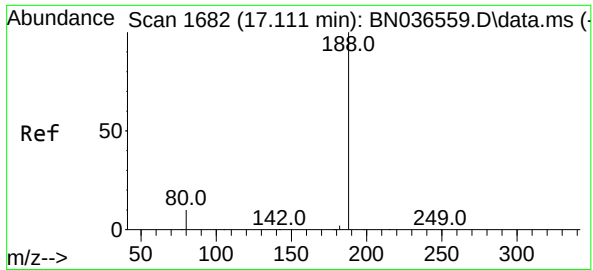
Delta R.T. -0.000 min

Lab File: BN036853.D

Acq: 07 Apr 2025 14:54

Tgt Ion:166	Resp:	5479
Ion	Ratio	Lower Upper
166	100	
165	99.7	79.8 119.8
167	12.8	10.6 15.8





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 17.074 min Scan# 1

Delta R.T. -0.000 min

Lab File: BN036853.D

Acq: 07 Apr 2025 14:54

Instrument :

BNA_N

ClientSampleId :

PB167475BS

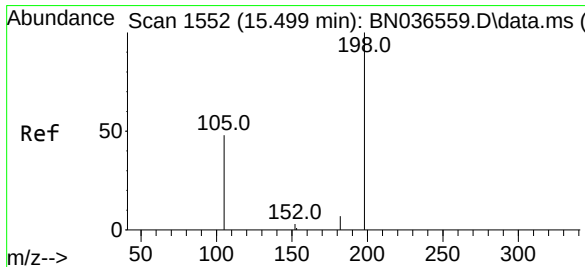
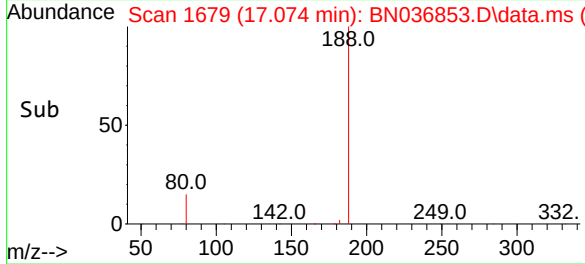
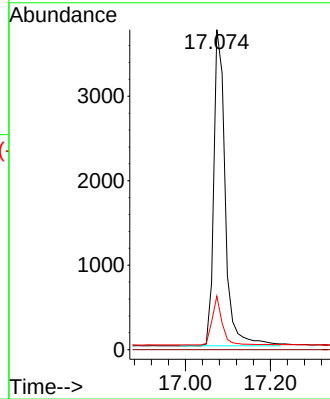
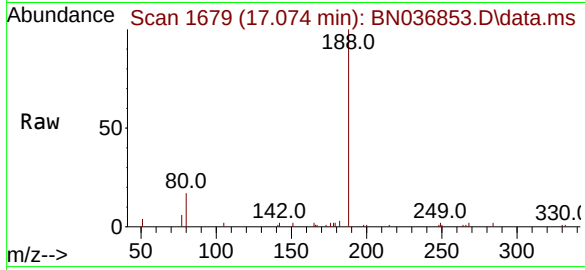
Tgt Ion:188 Resp: 7012

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

80 16.8 8.8 13.2#



#20

4,6-Dinitro-2-methylphenol

Concen: 0.364 ng

RT: 15.478 min Scan# 1550

Delta R.T. -0.000 min

Lab File: BN036853.D

Acq: 07 Apr 2025 14:54

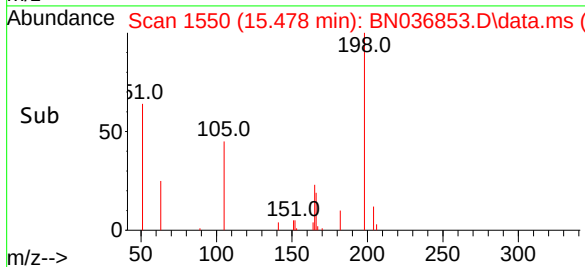
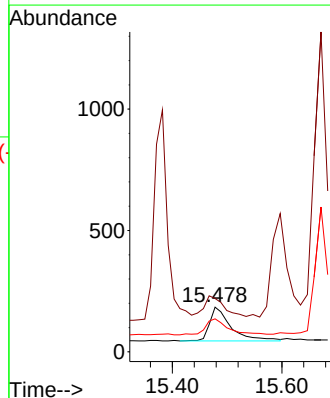
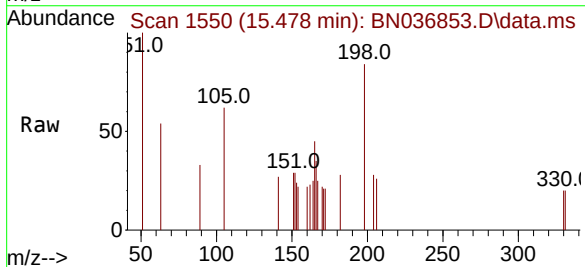
Tgt Ion:198 Resp: 391

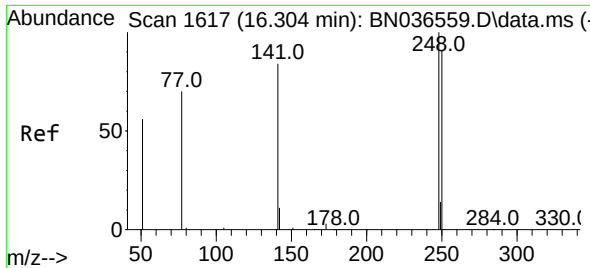
Ion Ratio Lower Upper

198 100

51 119.6 107.9 161.9

105 73.9 56.2 84.2

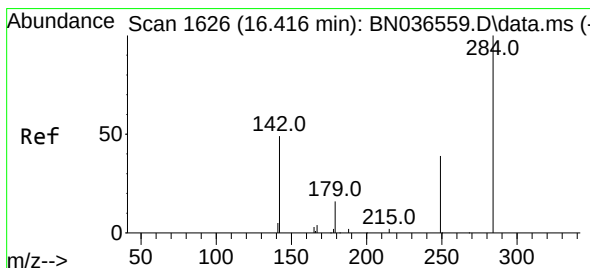
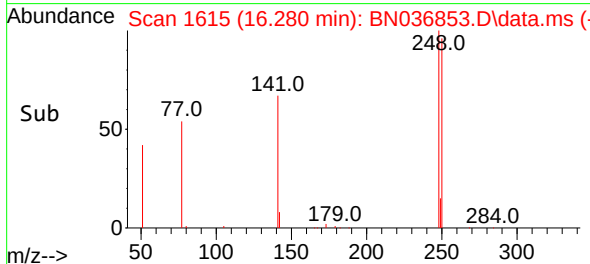
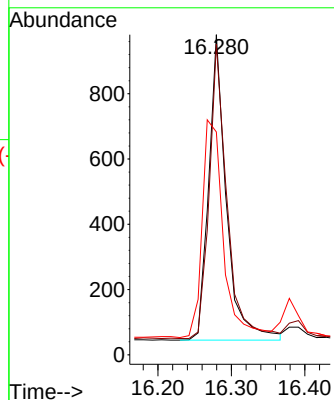
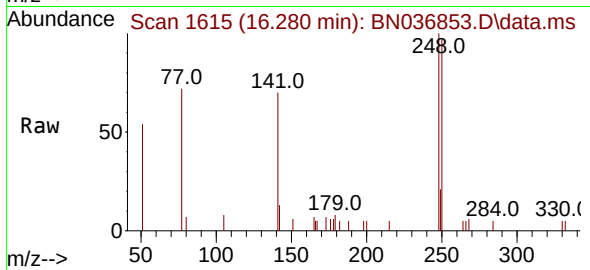




#21
4-Bromophenyl-phenylether
Concen: 0.356 ng
RT: 16.280 min Scan# 1615
Delta R.T. -0.000 min
Lab File: BN036853.D
Acq: 07 Apr 2025 14:54

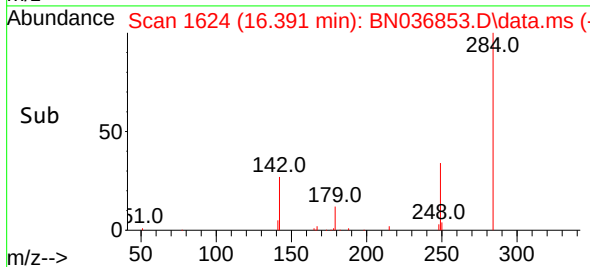
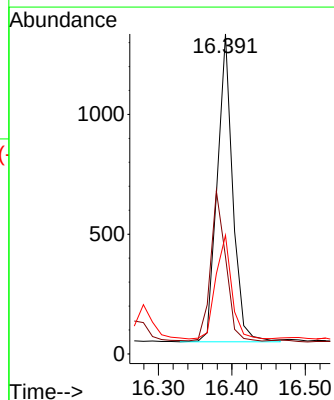
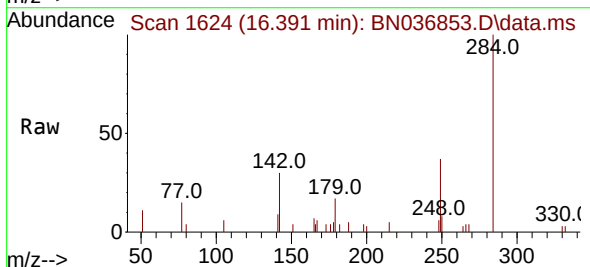
Instrument :
BNA_N
ClientSampleId :
PB167475BS

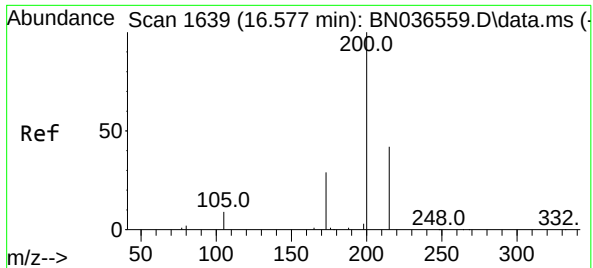
Tgt Ion	Ratio	Lower	Upper
248	100		
250	97.0	73.0	109.6
141	69.6	68.6	103.0



#22
Hexachlorobenzene
Concen: 0.354 ng
RT: 16.391 min Scan# 1624
Delta R.T. -0.000 min
Lab File: BN036853.D
Acq: 07 Apr 2025 14:54

Tgt Ion	Ratio	Lower	Upper
284	100		
142	47.9	37.0	55.4
249	35.4	28.1	42.1





#23

Atrazine

Concen: 0.394 ng

RT: 16.553 min Scan# 1

Delta R.T. -0.000 min

Lab File: BN036853.D

Acq: 07 Apr 2025 14:54

Instrument :

BNA_N

ClientSampleId :

PB167475BS

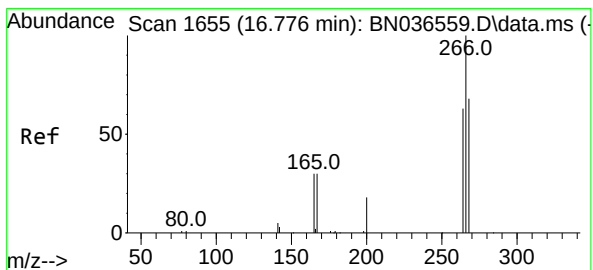
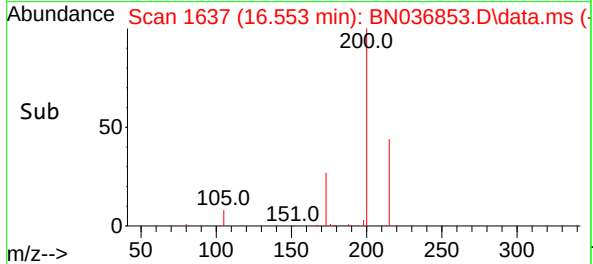
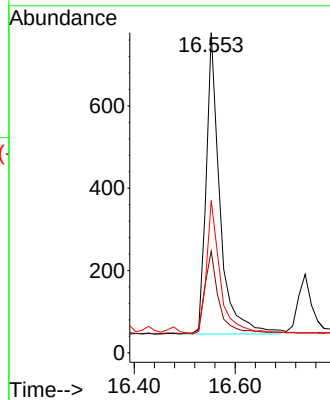
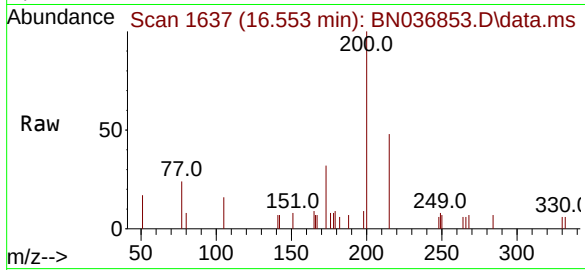
Tgt Ion:200 Resp: 1388

Ion Ratio Lower Upper

200 100

173 31.7 27.3 40.9

215 47.6 36.8 55.2



#24

Pentachlorophenol

Concen: 0.587 ng

RT: 16.739 min Scan# 1652

Delta R.T. -0.000 min

Lab File: BN036853.D

Acq: 07 Apr 2025 14:54

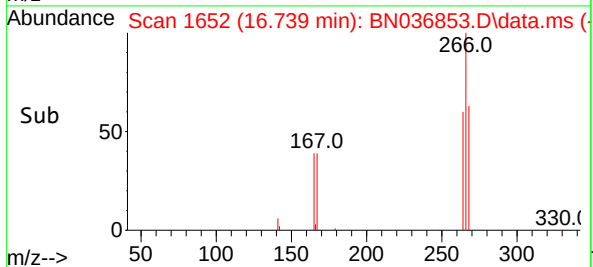
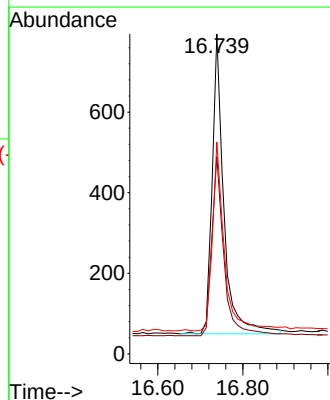
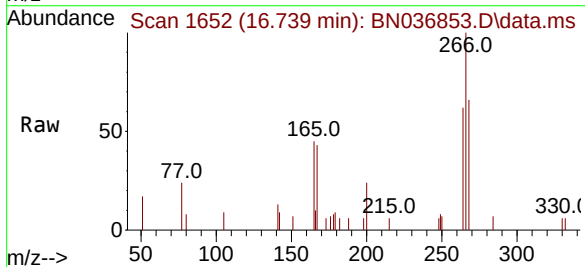
Tgt Ion:266 Resp: 1419

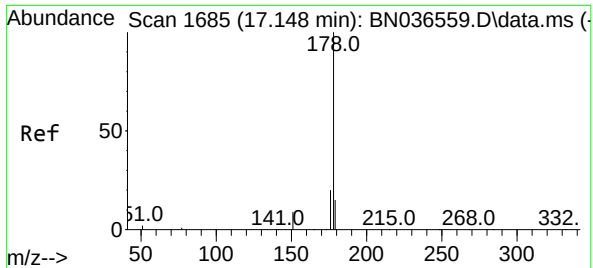
Ion Ratio Lower Upper

266 100

264 61.9 49.6 74.4

268 64.1 50.9 76.3

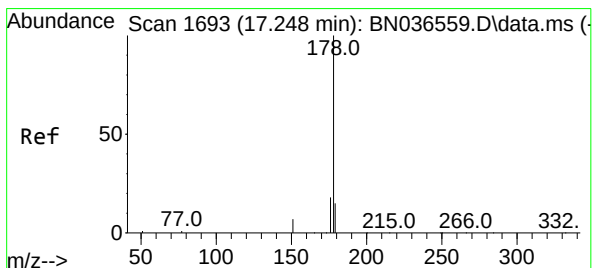
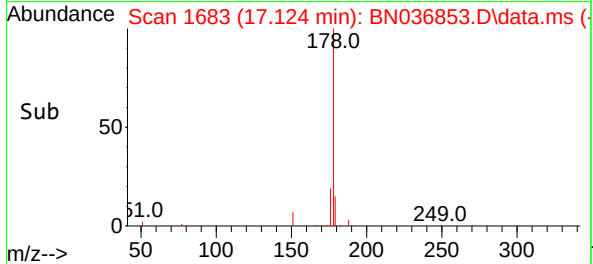
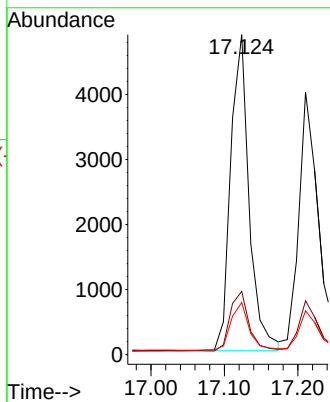
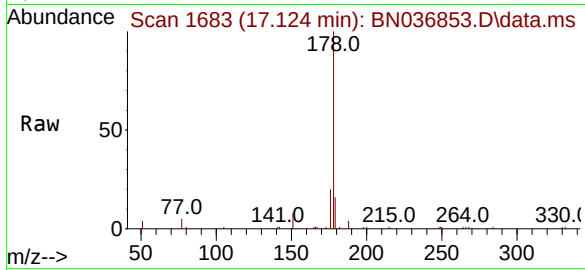




#25
Phenanthrene
Concen: 0.403 ng
RT: 17.124 min Scan# 1683
Delta R.T. -0.000 min
Lab File: BN036853.D
Acq: 07 Apr 2025 14:54

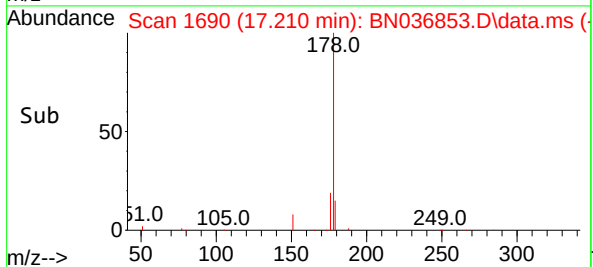
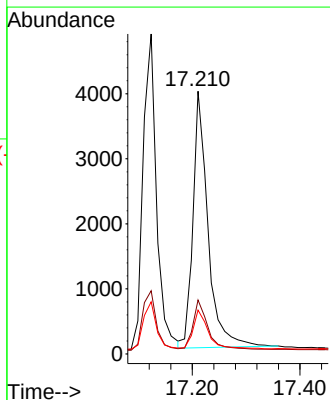
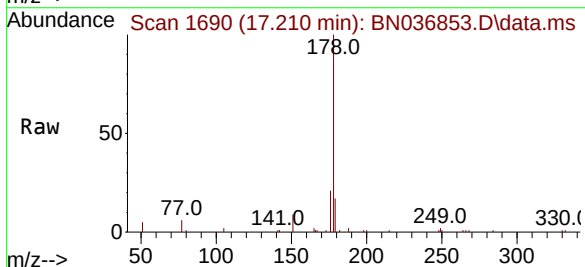
Instrument :
BNA_N
ClientSampleId :
PB167475BS

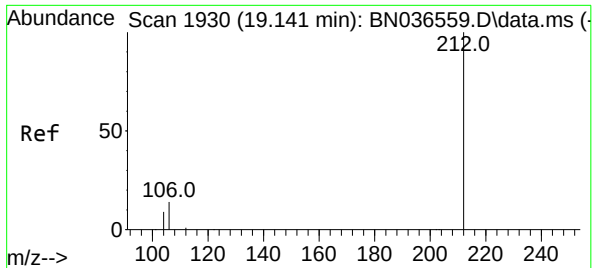
Tgt Ion:178 Resp: 8470
Ion Ratio Lower Upper
178 100
176 19.2 15.9 23.9
179 15.1 12.2 18.4



#26
Anthracene
Concen: 0.403 ng
RT: 17.210 min Scan# 1690
Delta R.T. -0.000 min
Lab File: BN036853.D
Acq: 07 Apr 2025 14:54

Tgt Ion:178 Resp: 7654
Ion Ratio Lower Upper
178 100
176 19.3 15.4 23.2
179 15.5 12.6 18.8

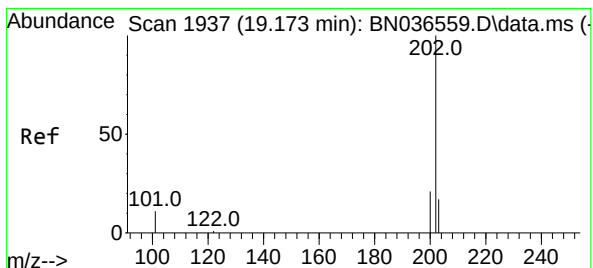
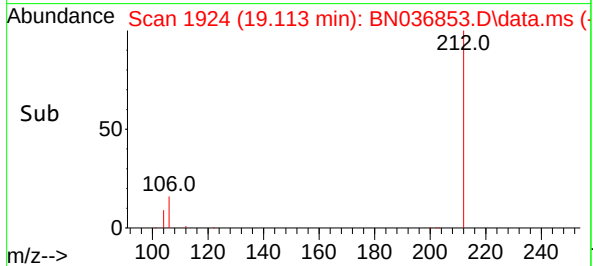
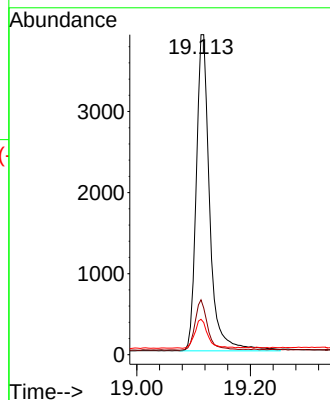
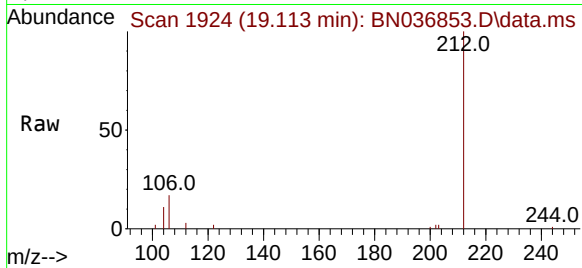




#27
Fluoranthene-d10
Concen: 0.357 ng
RT: 19.113 min Scan# 1911
Delta R.T. -0.000 min
Lab File: BN036853.D
Acq: 07 Apr 2025 14:54

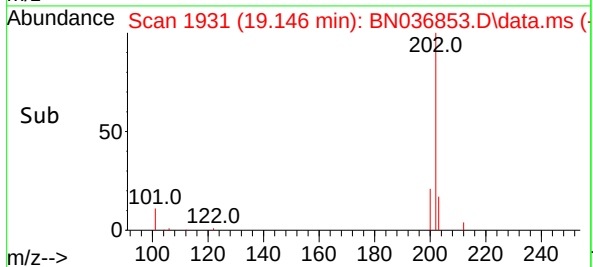
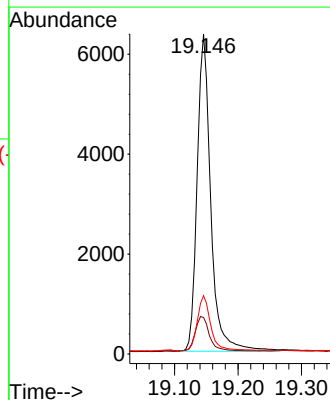
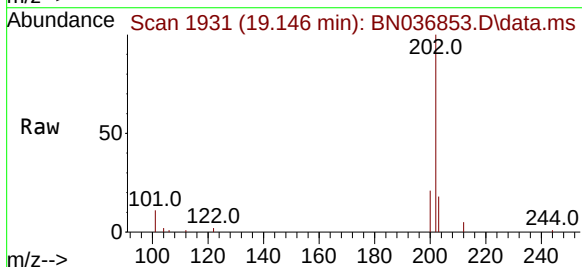
Instrument :
BNA_N
ClientSampleId :
PB167475BS

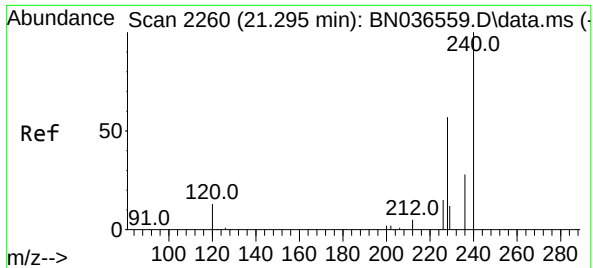
Tgt Ion	Ratio	Lower	Upper
212	100		
106	15.0	11.8	17.6
104	8.9	7.3	10.9



#28
Fluoranthene
Concen: 0.401 ng
RT: 19.146 min Scan# 1931
Delta R.T. 0.004 min
Lab File: BN036853.D
Acq: 07 Apr 2025 14:54

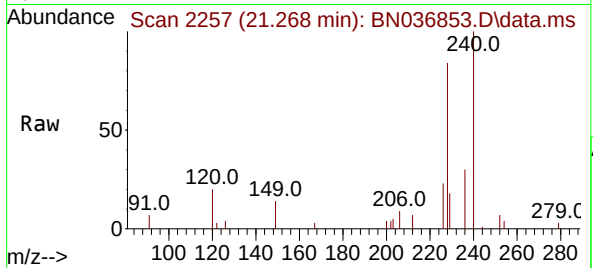
Tgt Ion	Ratio	Lower	Upper
202	100		
101	11.3	9.4	14.0
203	16.9	13.5	20.3



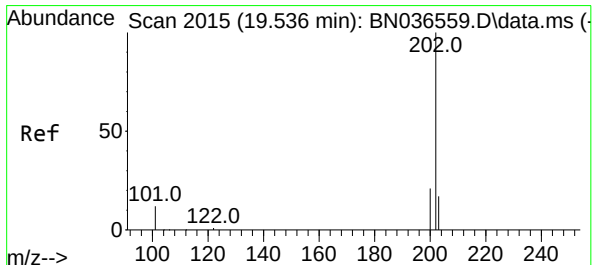
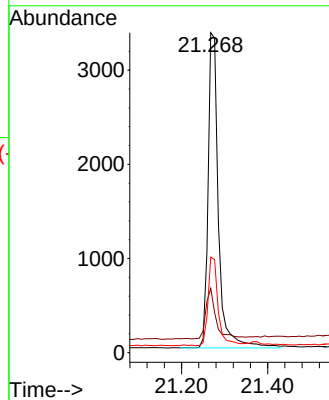
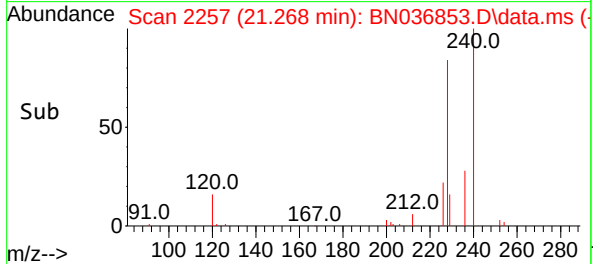


#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.268 min Scan# 21
Delta R.T. -0.000 min
Lab File: BN036853.D
Acq: 07 Apr 2025 14:54

Instrument :
BNA_N
ClientSampleId :
PB167475BS

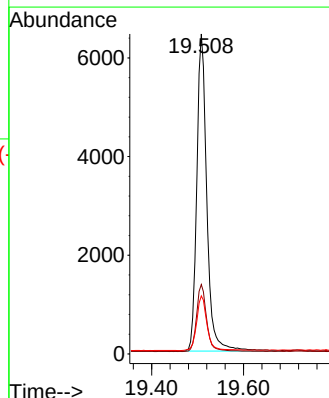
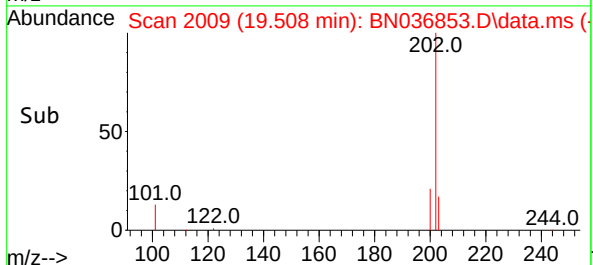
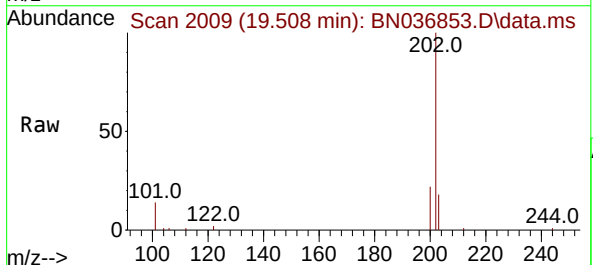


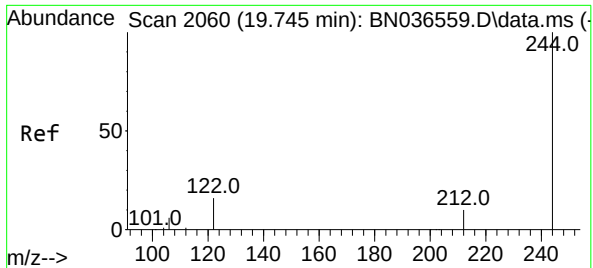
Tgt Ion:240 Resp: 5617
Ion Ratio Lower Upper
240 100
120 20.1 14.6 22.0
236 29.8 24.1 36.1



#30
Pyrene
Concen: 0.356 ng
RT: 19.508 min Scan# 2009
Delta R.T. -0.000 min
Lab File: BN036853.D
Acq: 07 Apr 2025 14:54

Tgt Ion:202 Resp: 9764
Ion Ratio Lower Upper
202 100
200 21.2 17.1 25.7
203 18.1 14.1 21.1

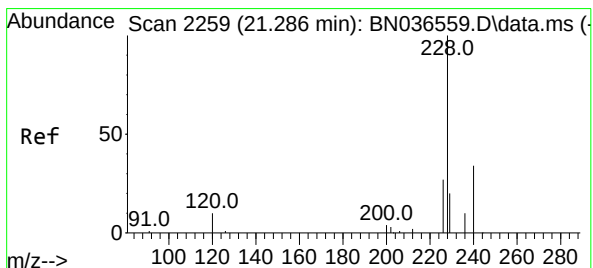
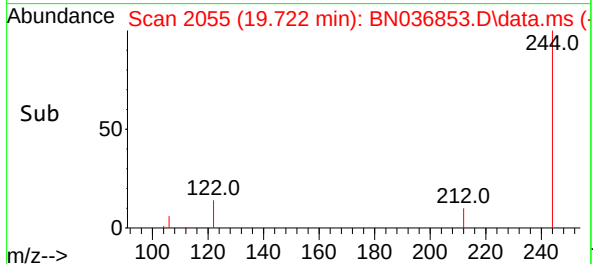
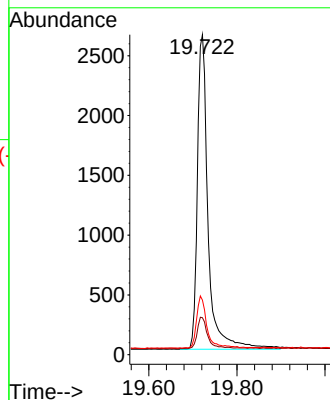
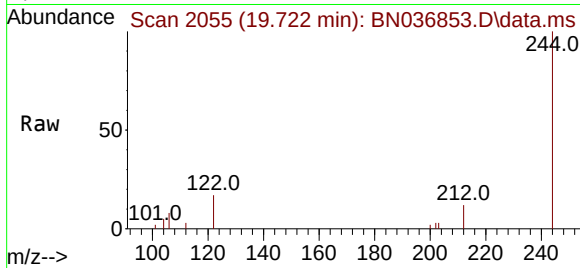




#31
Terphenyl-d14
Concen: 0.331 ng
RT: 19.722 min Scan# 2060
Delta R.T. 0.004 min
Lab File: BN036853.D
Acq: 07 Apr 2025 14:54

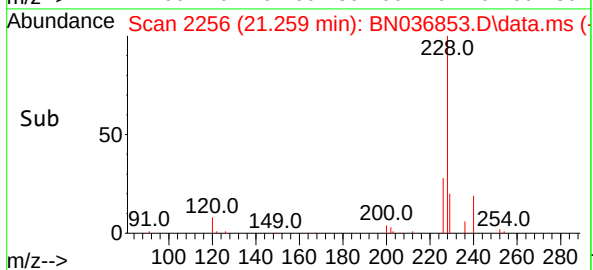
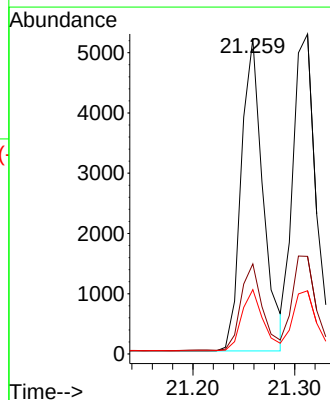
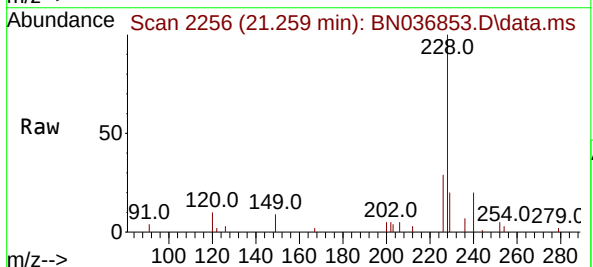
Instrument :
BNA_N
ClientSampleId :
PB167475BS

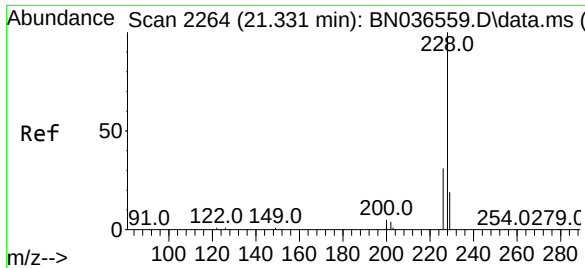
Tgt Ion	Ratio	Lower	Upper
244	100		
212	11.5	9.6	14.4
122	17.1	13.9	20.9



#32
Benzo(a)anthracene
Concen: 0.396 ng
RT: 21.259 min Scan# 2256
Delta R.T. -0.000 min
Lab File: BN036853.D
Acq: 07 Apr 2025 14:54

Tgt Ion	Ratio	Lower	Upper
228	100		
226	28.6	22.5	33.7
229	20.4	16.6	25.0





#33

Chrysene

Concen: 0.414 ng

RT: 21.313 min Scan# 21

Delta R.T. 0.009 min

Lab File: BN036853.D

Acq: 07 Apr 2025 14:54

Instrument :

BNA_N

ClientSampleId :

PB167475BS

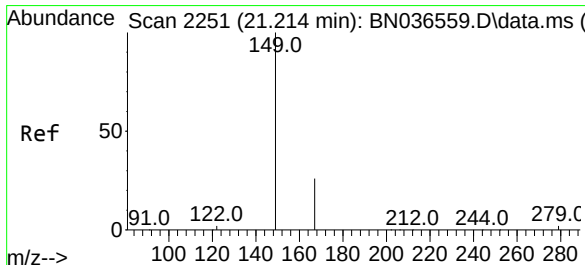
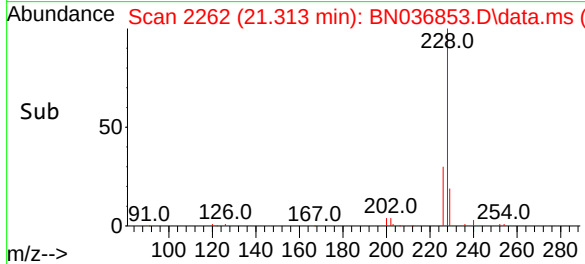
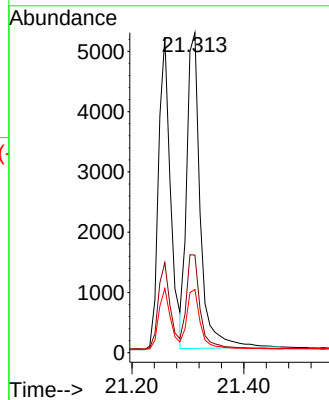
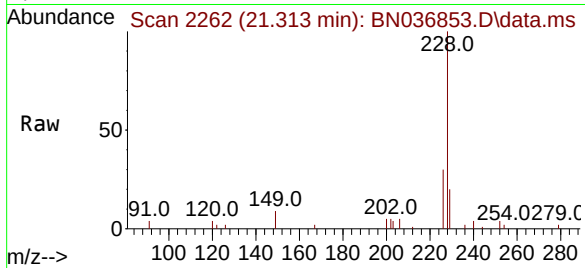
Tgt Ion:228 Resp: 8835

Ion Ratio Lower Upper

228 100

226 30.5 25.3 37.9

229 19.8 15.8 23.8



#34

Bis(2-ethylhexyl)phthalate

Concen: 0.324 ng

RT: 21.196 min Scan# 2249

Delta R.T. 0.009 min

Lab File: BN036853.D

Acq: 07 Apr 2025 14:54

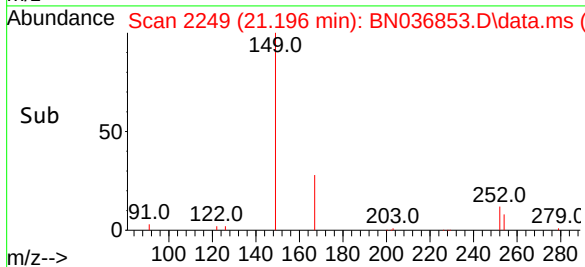
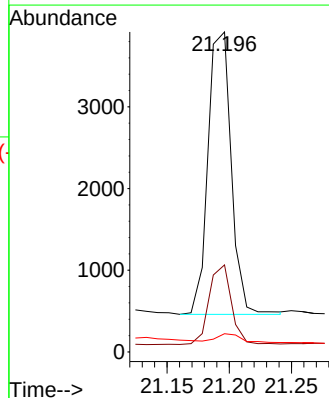
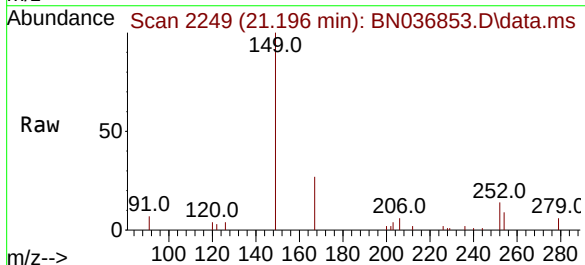
Tgt Ion:149 Resp: 4505

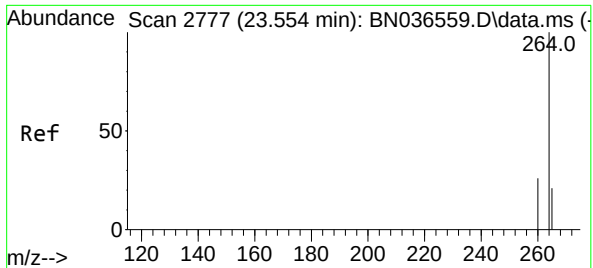
Ion Ratio Lower Upper

149 100

167 27.5 20.7 31.1

279 3.1 3.6 5.4#

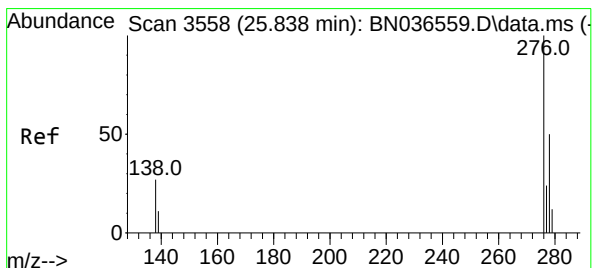
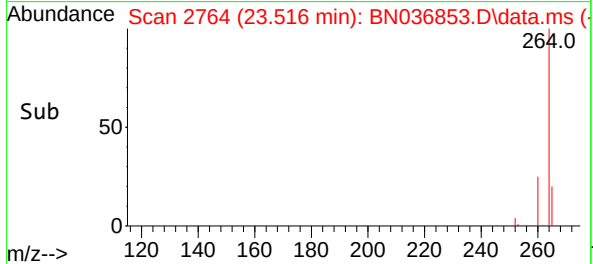
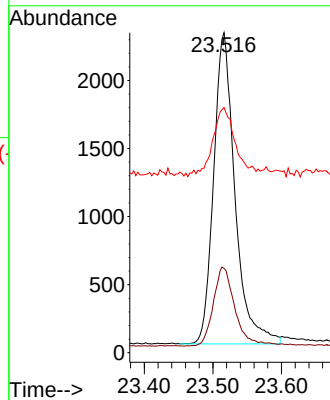
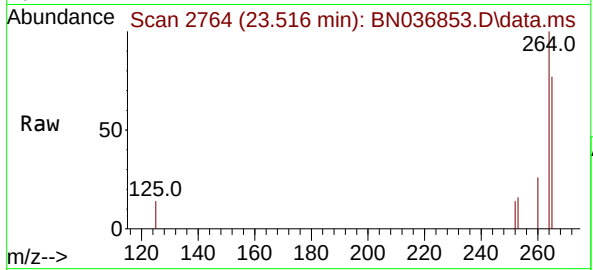




#35
Perylene-d12
Concen: 0.400 ng
RT: 23.516 min Scan# 21
Delta R.T. 0.006 min
Lab File: BN036853.D
Acq: 07 Apr 2025 14:54

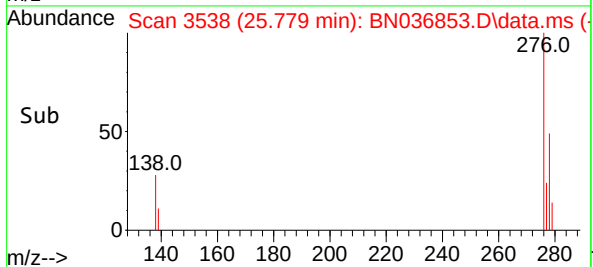
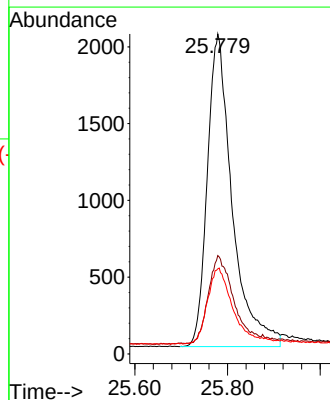
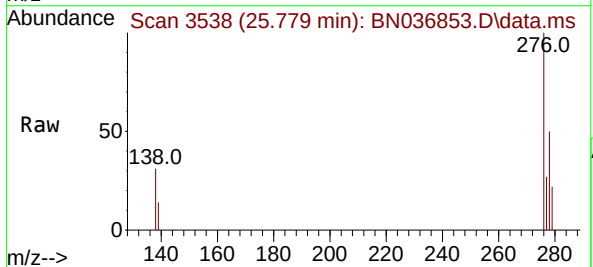
Instrument :
BNA_N
ClientSampleId :
PB167475BS

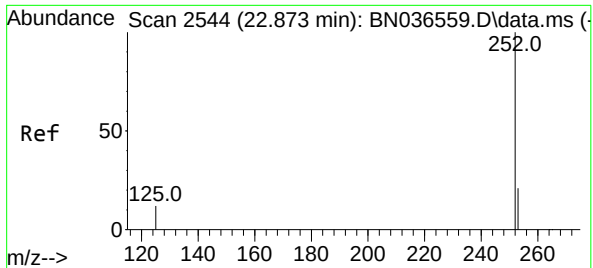
Tgt Ion:264 Resp: 4951
Ion Ratio Lower Upper
264 100
260 26.4 22.6 33.8
265 76.6 88.1 132.1#



#36
Indeno(1,2,3-cd)pyrene
Concen: 0.424 ng
RT: 25.779 min Scan# 3538
Delta R.T. 0.009 min
Lab File: BN036853.D
Acq: 07 Apr 2025 14:54

Tgt Ion:276 Resp: 7577
Ion Ratio Lower Upper
276 100
138 28.7 23.4 35.2
277 25.2 20.0 30.0





#37

Benzo(b)fluoranthene

Concen: 0.401 ng

RT: 22.841 min Scan# 2543

Delta R.T. 0.003 min

Lab File: BN036853.D

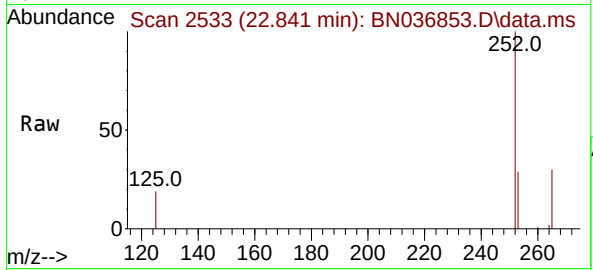
Acq: 07 Apr 2025 14:54

Instrument :

BNA_N

ClientSampleId :

PB167475BS



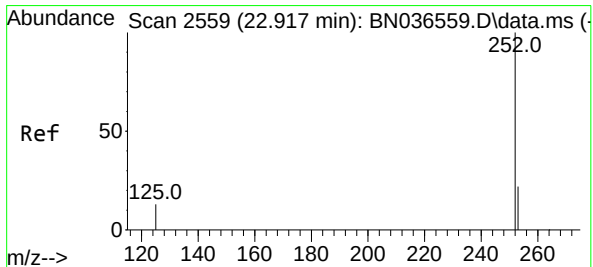
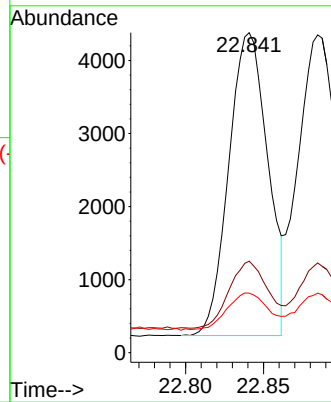
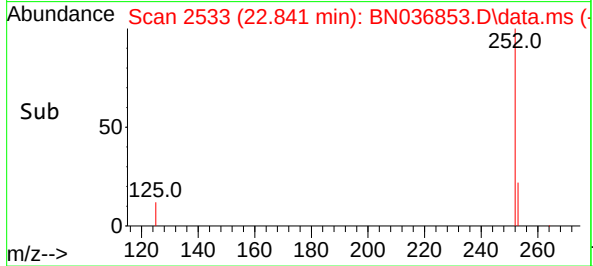
Tgt Ion:252 Resp: 7224

Ion Ratio Lower Upper

252 100

253 28.6 23.9 35.9

125 18.6 17.4 26.2



#38

Benzo(k)fluoranthene

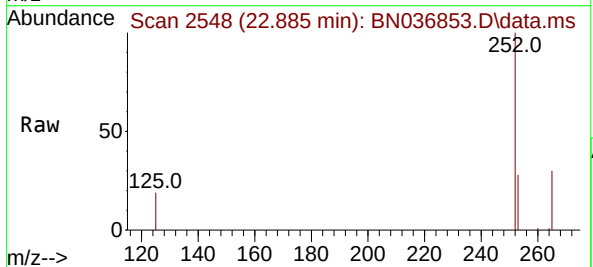
Concen: 0.418 ng

RT: 22.885 min Scan# 2548

Delta R.T. 0.006 min

Lab File: BN036853.D

Acq: 07 Apr 2025 14:54



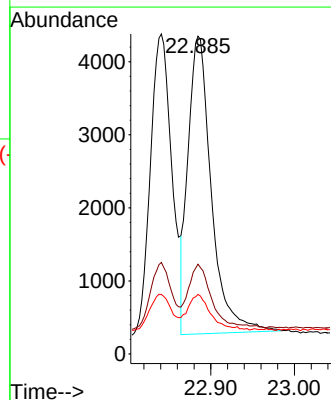
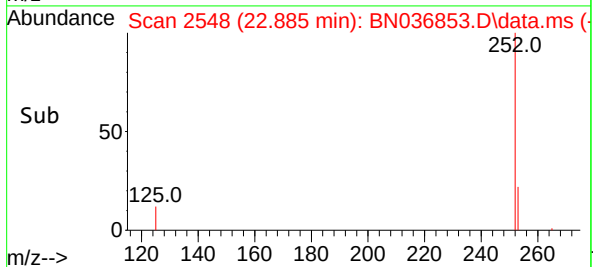
Tgt Ion:252 Resp: 7900

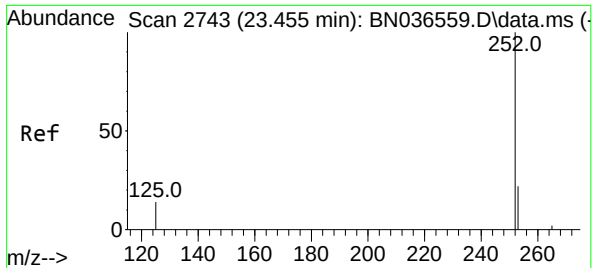
Ion Ratio Lower Upper

252 100

253 28.3 24.6 36.8

125 18.7 17.8 26.8

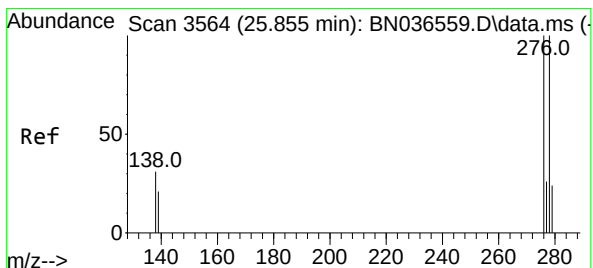
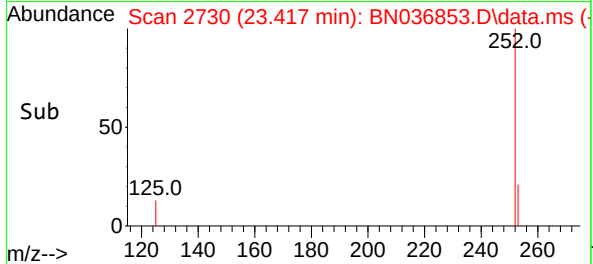
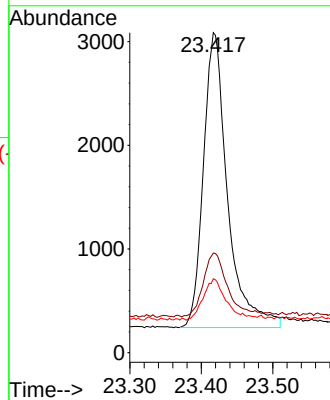
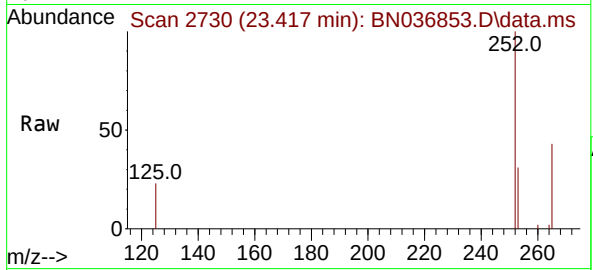




#39
Benzo(a)pyrene
Concen: 0.442 ng
RT: 23.417 min Scan# 21
Delta R.T. 0.006 min
Lab File: BN036853.D
Acq: 07 Apr 2025 14:54

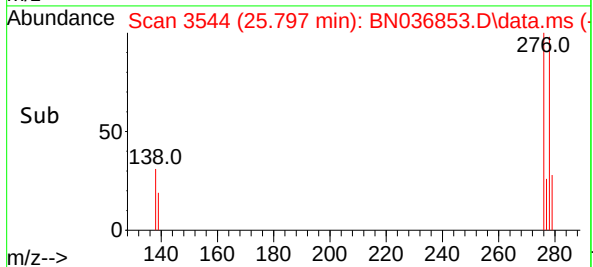
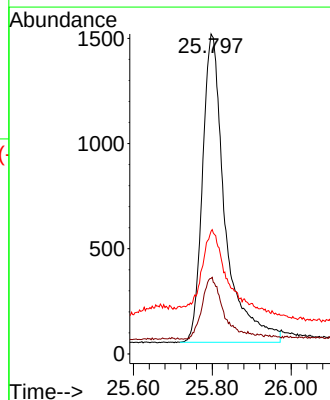
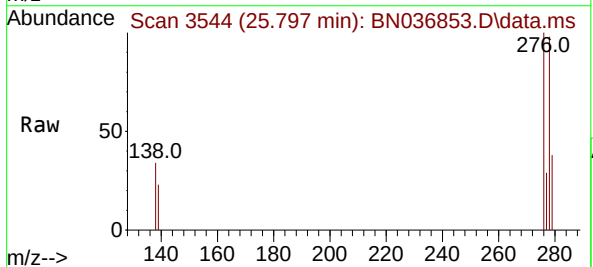
Instrument :
BNA_N
ClientSampleId :
PB167475BS

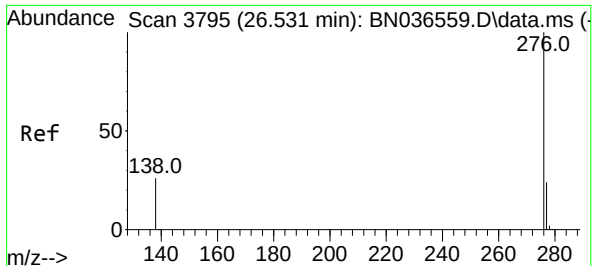
Tgt Ion:252 Resp: 6701
Ion Ratio Lower Upper
252 100
253 31.1 27.8 41.8
125 23.1 22.7 34.1



#40
Dibenzo(a,h)anthracene
Concen: 0.419 ng
RT: 25.797 min Scan# 3544
Delta R.T. 0.006 min
Lab File: BN036853.D
Acq: 07 Apr 2025 14:54

Tgt Ion:278 Resp: 5830
Ion Ratio Lower Upper
278 100
139 23.6 20.8 31.2
279 38.3 28.8 43.2





#41

Benzo(g,h,i)perylene

Concen: 0.393 ng

RT: 26.466 min Scan# 31

Delta R.T. 0.009 min

Lab File: BN036853.D

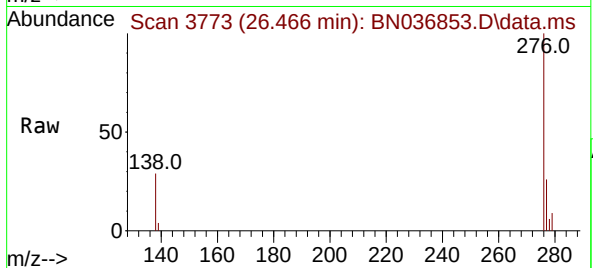
Acq: 07 Apr 2025 14:54

Instrument :

BNA_N

ClientSampleId :

PB167475BS



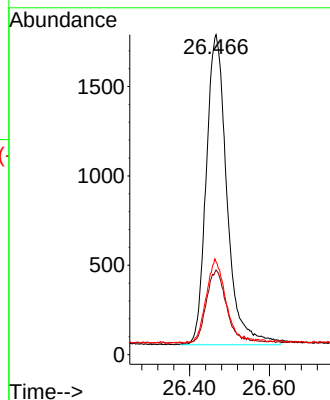
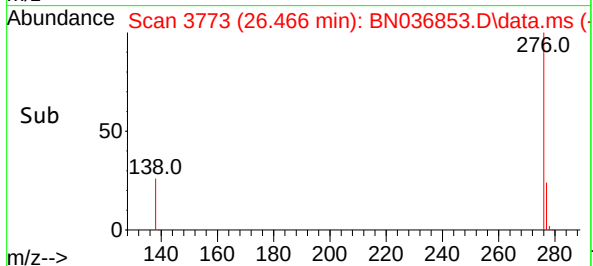
Tgt Ion:276 Resp: 6259

Ion Ratio Lower Upper

276 100

277 26.4 22.2 33.4

138 29.1 24.1 36.1



Report of Analysis

Client:	G Environmental	Date Collected:	04/04/25
Project:	Stockton	Date Received:	04/04/25
Client Sample ID:	GST2MS	SDG No.:	Q1736
Lab Sample ID:	Q1736-02MS	Matrix:	SOIL
Analytical Method:	SW8270ESIM	% Solid:	80.5
Sample Wt/Vol:	30.08 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-SIMGroup1
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	sw3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BN036851.D	1	04/07/25 08:55	04/07/25 13:41	PB167475

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
123-91-1	1,4-Dioxane	12.7		2.90	8.20	ug/Kg
SURROGATES						
7297-45-2	2-Methylnaphthalene-d10	0.27		30 (17) - 150 (161)	67%	SPK: 0.4
93951-69-0	Fluoranthene-d10	0.31		30 (23) - 150 (138)	78%	SPK: 0.4
4165-60-0	Nitrobenzene-d5	0.25		30 (33) - 130 (121)	63%	SPK: 0.4
321-60-8	2-Fluorobiphenyl	0.27		30 (32) - 130 (121)	66%	SPK: 0.4
1718-51-0	Terphenyl-d14	0.26		30 (21) - 130 (130)	64%	SPK: 0.4
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	2350	7.688			
1146-65-2	Naphthalene-d8	6080	10.466			
15067-26-2	Acenaphthene-d10	3510	14.334			
1517-22-2	Phenanthrene-d10	7280	17.074			
1719-03-5	Chrysene-d12	6720	21.268			
1520-96-3	Perylene-d12	6470	23.513			

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_N\Data\BN040725\
 Data File : BN036851.D
 Acq On : 07 Apr 2025 13:41
 Operator : RC/JU
 Sample : Q1736-02MS
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 GST2MS

Quant Time: Apr 07 14:06:29 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN031025.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Apr 04 17:30:43 2025
 Response via : Initial Calibration

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

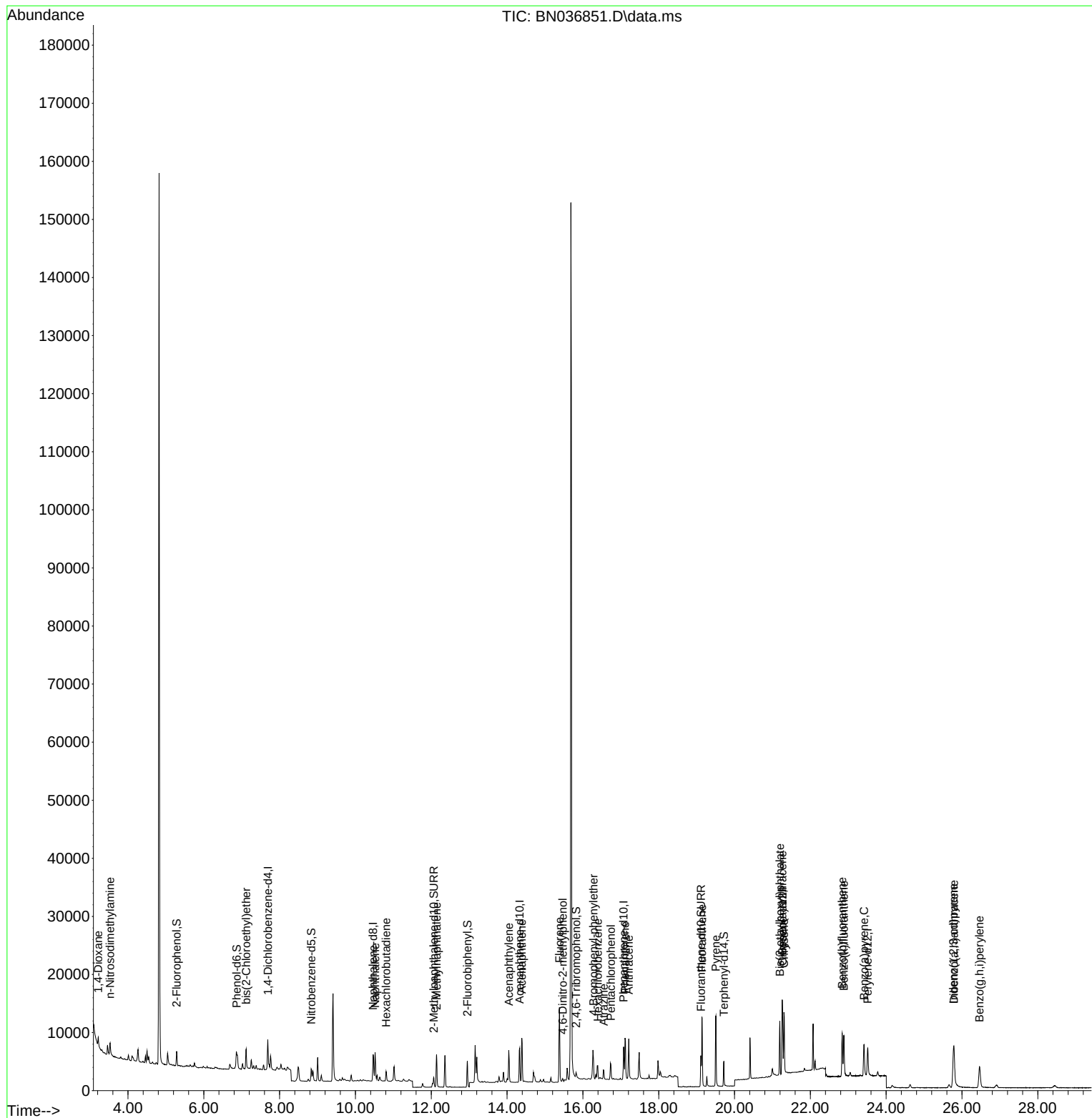
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.688	152	2354	0.400	ng	0.00
7) Naphthalene-d8	10.466	136	6078	0.400	ng	-0.01
13) Acenaphthene-d10	14.334	164	3507	0.400	ng	0.00
19) Phenanthrene-d10	17.074	188	7277	0.400	ng	# 0.00
29) Chrysene-d12	21.268	240	6717	0.400	ng	0.00
35) Perylene-d12	23.513	264	6473	0.400	ng	# 0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.283	112	1804	0.329	ng	0.00
5) Phenol-d6	6.865	99	2335	0.345	ng	0.00
8) Nitrobenzene-d5	8.833	82	1657	0.251	ng	-0.01
11) 2-Methylnaphthalene-d10	12.065	152	2414	0.267	ng	0.00
14) 2,4,6-Tribromophenol	15.820	330	485	0.305	ng	-0.01
15) 2-Fluorobiphenyl	12.953	172	5409	0.265	ng	0.00
27) Fluoranthene-d10	19.113	212	5797	0.311	ng	0.00
31) Terphenyl-d14	19.717	244	4144	0.258	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	3.218	88	804	0.308	ng	# 23
3) n-Nitrosodimethylamine	3.528	42	1855	0.351	ng	# 98
6) bis(2-Chloroethyl)ether	7.118	93	2498	0.357	ng	98
9) Naphthalene	10.519	128	6140	0.343	ng	100
10) Hexachlorobutadiene	10.808	225	1319	0.313	ng	# 100
12) 2-Methylnaphthalene	12.141	142	4012	0.353	ng	99
16) Acenaphthylene	14.045	152	5984	0.362	ng	100
17) Acenaphthene	14.388	154	3806	0.351	ng	100
18) Fluorene	15.382	166	5112	0.349	ng	97
20) 4,6-Dinitro-2-methylph...	15.467	198	495	0.412	ng	# 82
21) 4-Bromophenyl-phenylether	16.280	248	1620	0.355	ng	# 71
22) Hexachlorobenzene	16.391	284	1819	0.330	ng	98
23) Atrazine	16.553	200	1437	0.393	ng	# 92
24) Pentachlorophenol	16.739	266	1517	0.604	ng	99
25) Phenanthrene	17.111	178	8495	0.389	ng	99
26) Anthracene	17.211	178	7730	0.392	ng	99
28) Fluoranthene	19.141	202	10367	0.423	ng	98
30) Pyrene	19.508	202	11046	0.336	ng	99
32) Benzo(a)anthracene	21.259	228	9220	0.395	ng	100
33) Chrysene	21.304	228	9602	0.376	ng	99
34) Bis(2-ethylhexyl)phtha...	21.196	149	9178	0.552	ng	# 99
36) Indeno(1,2,3-cd)pyrene	25.776	276	9589	0.410	ng	98
37) Benzo(b)fluoranthene	22.841	252	9121	0.387	ng	94
38) Benzo(k)fluoranthene	22.885	252	9355	0.379	ng	94
39) Benzo(a)pyrene	23.414	252	8108	0.409	ng	91
40) Dibenzo(a,h)anthracene	25.791	278	7130	0.392	ng	91
41) Benzo(g,h,i)perylene	26.460	276	7664	0.368	ng	98

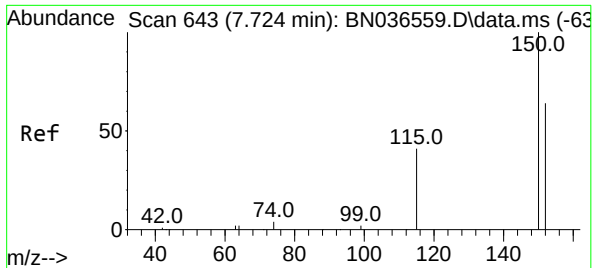
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Data File : BN036851.D
Acq On : 07 Apr 2025 13:41
Operator : RC/JU
Sample : Q1736-02MS
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
GST2MS

Quant Time: Apr 07 14:06:29 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN031025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Apr 04 17:30:43 2025
Response via : Initial Calibration

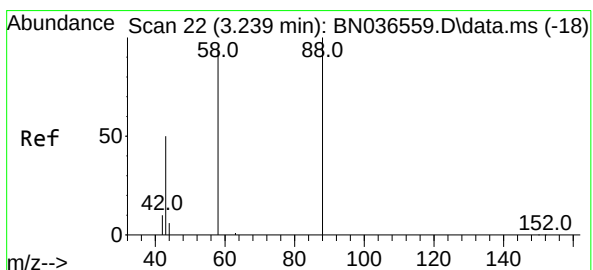
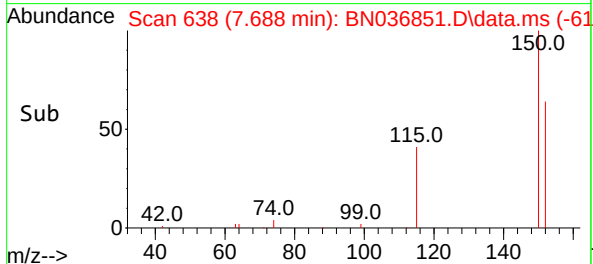
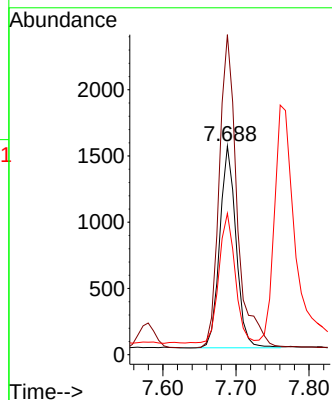
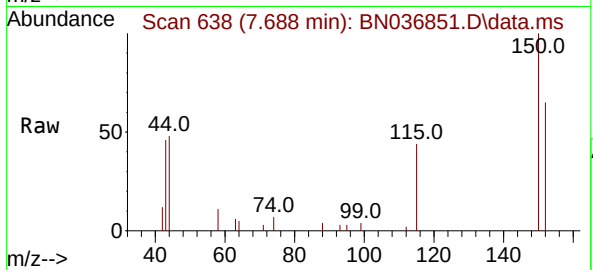




#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.688 min Scan# 61
Delta R.T. 0.000 min
Lab File: BN036851.D
Acq: 07 Apr 2025 13:41

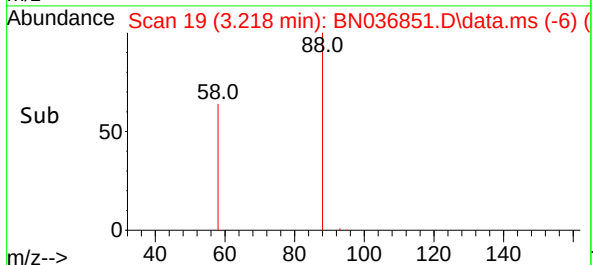
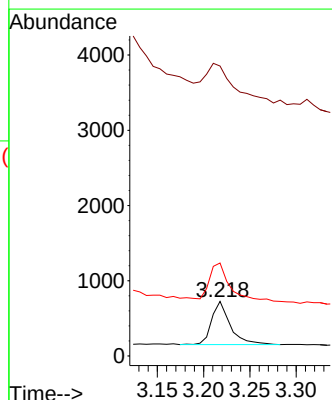
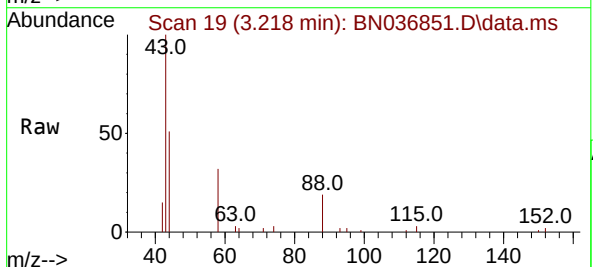
Instrument :
BNA_N
ClientSampleId :
GST2MS

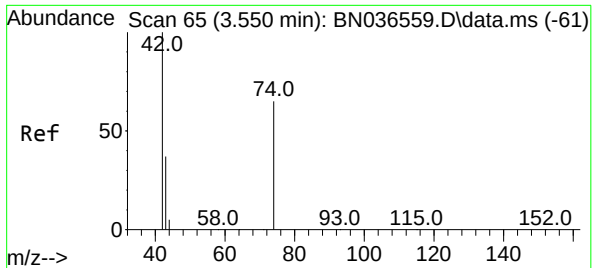
Tgt Ion:152 Resp: 2354
Ion Ratio Lower Upper
152 100
150 153.4 123.7 185.5
115 67.7 54.3 81.5



#2
1,4-Dioxane
Concen: 0.308 ng
RT: 3.218 min Scan# 19
Delta R.T. -0.007 min
Lab File: BN036851.D
Acq: 07 Apr 2025 13:41

Tgt Ion: 88 Resp: 804
Ion Ratio Lower Upper
88 100
43 163.9 37.8 56.8#
58 105.1 67.4 101.2#

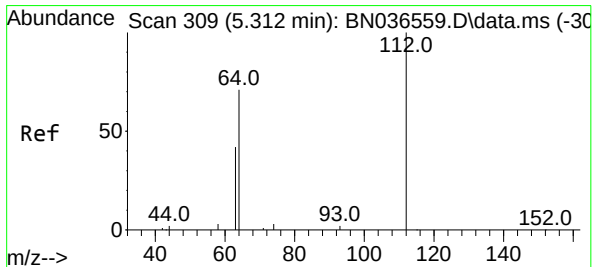
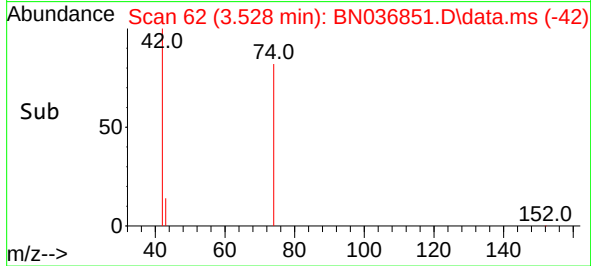
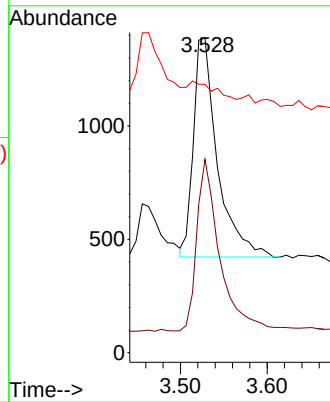
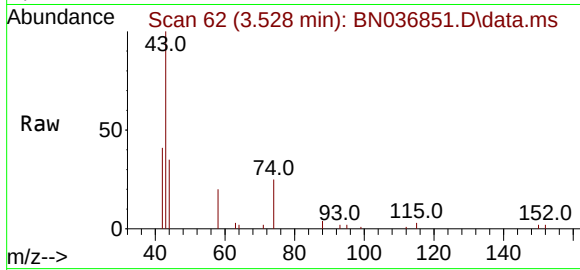




#3
n-Nitrosodimethylamine
Concen: 0.351 ng
RT: 3.528 min Scan# 61
Delta R.T. -0.007 min
Lab File: BN036851.D
Acq: 07 Apr 2025 13:41

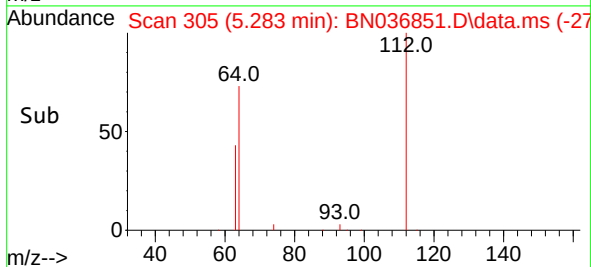
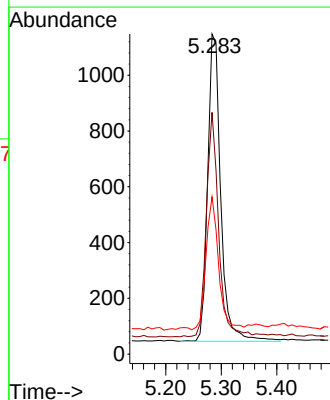
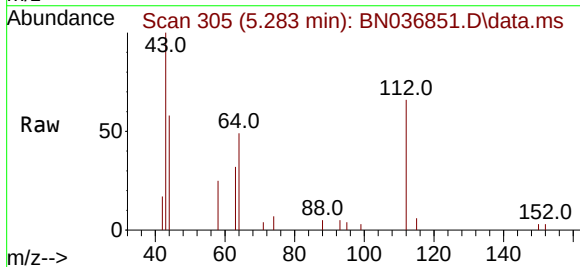
Instrument :
BNA_N
ClientSampleId :
GST2MS

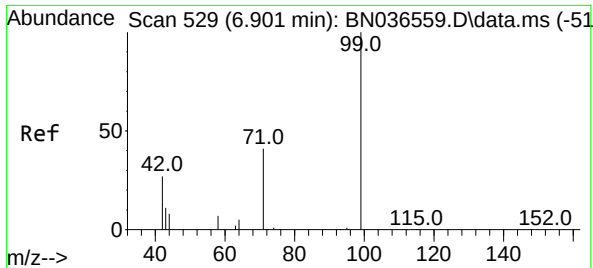
Tgt Ion: 42 Resp: 1855
Ion Ratio Lower Upper
42 100
74 76.0 60.6 90.8
44 0.0 6.3 9.5#



#4
2-Fluorophenol
Concen: 0.329 ng
RT: 5.283 min Scan# 305
Delta R.T. -0.000 min
Lab File: BN036851.D
Acq: 07 Apr 2025 13:41

Tgt Ion: 112 Resp: 1804
Ion Ratio Lower Upper
112 100
64 69.1 53.1 79.7
63 41.7 31.8 47.8

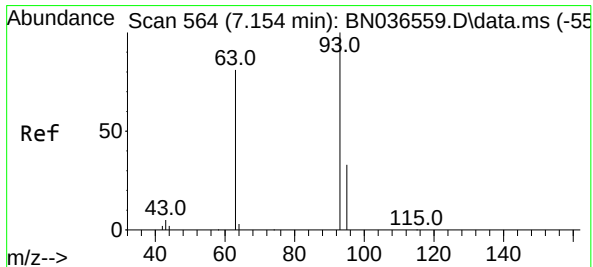
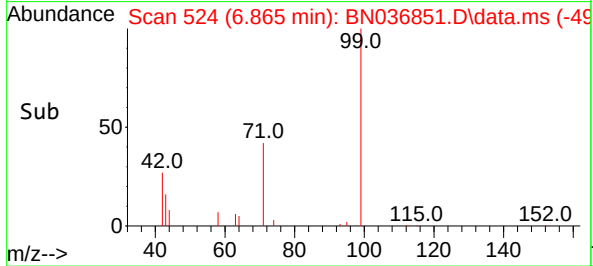
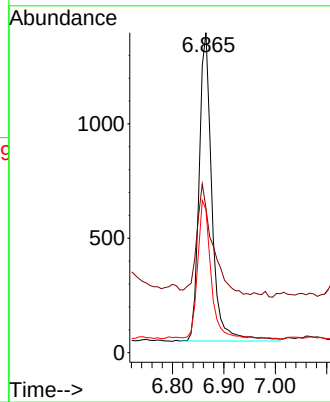
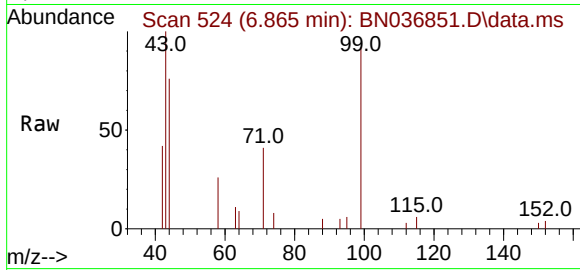




#5
Phenol-d6
Concen: 0.345 ng
RT: 6.865 min Scan# 51
Delta R.T. -0.000 min
Lab File: BN036851.D
Acq: 07 Apr 2025 13:41

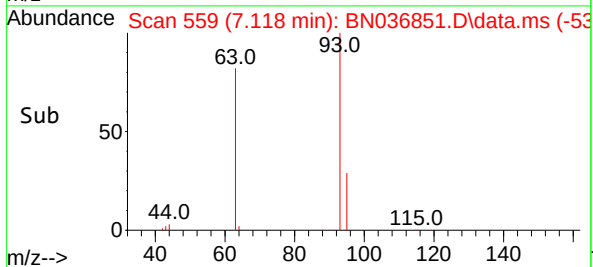
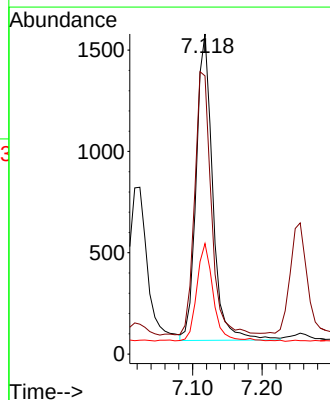
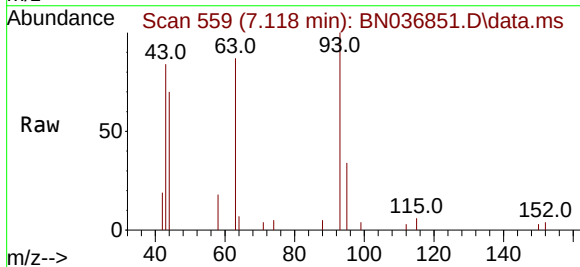
Instrument :
BNA_N
ClientSampleId :
GST2MS

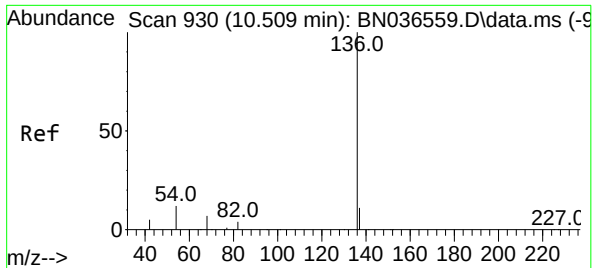
Tgt Ion: 99 Resp: 2335
Ion Ratio Lower Upper
99 100
42 44.1 26.5 39.7#
71 47.1 34.1 51.1



#6
bis(2-Chloroethyl)ether
Concen: 0.357 ng
RT: 7.118 min Scan# 559
Delta R.T. -0.000 min
Lab File: BN036851.D
Acq: 07 Apr 2025 13:41

Tgt Ion: 93 Resp: 2498
Ion Ratio Lower Upper
93 100
63 86.7 67.7 101.5
95 30.8 25.6 38.4

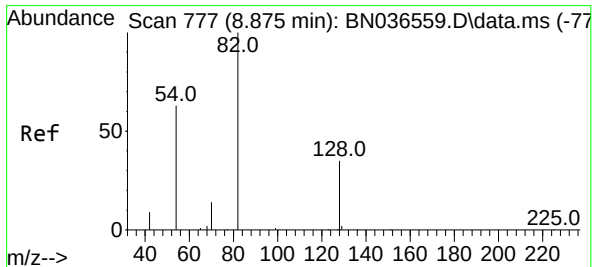
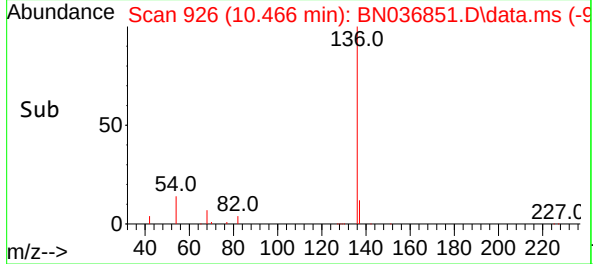
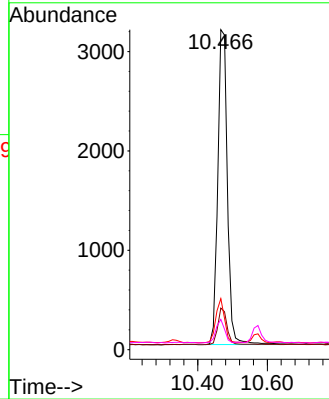
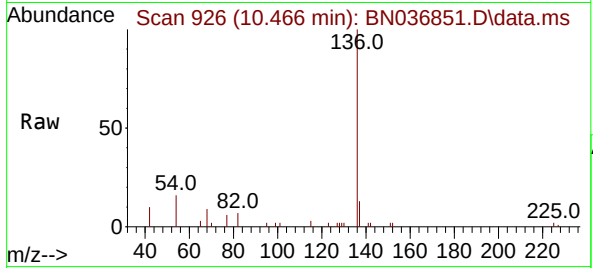




#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.466 min Scan# 91
Delta R.T. -0.011 min
Lab File: BN036851.D
Acq: 07 Apr 2025 13:41

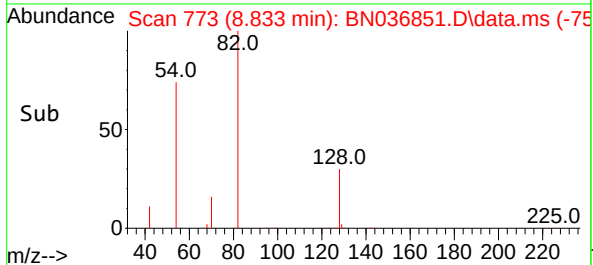
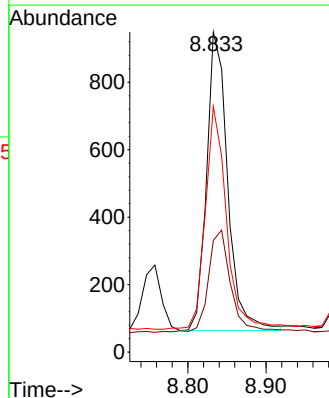
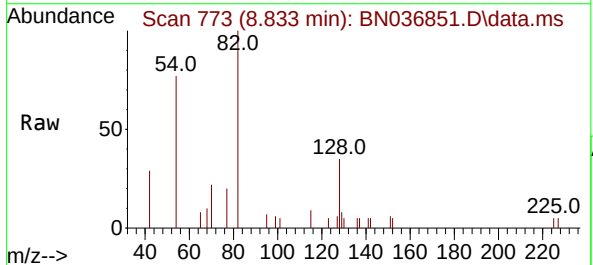
Instrument :
BNA_N
ClientSampleId :
GST2MS

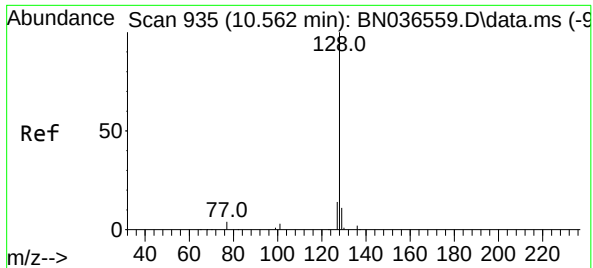
Tgt Ion:	136	Resp:	6078
Ion	Ratio	Lower	Upper
136	100		
137	13.0	10.3	15.5
54	15.9	11.5	17.3
68	9.4	7.0	10.4



#8
Nitrobenzene-d5
Concen: 0.251 ng
RT: 8.833 min Scan# 773
Delta R.T. -0.011 min
Lab File: BN036851.D
Acq: 07 Apr 2025 13:41

Tgt Ion:	82	Resp:	1657
Ion	Ratio	Lower	Upper
82	100		
128	34.9	30.6	45.8
54	76.7	52.2	78.4

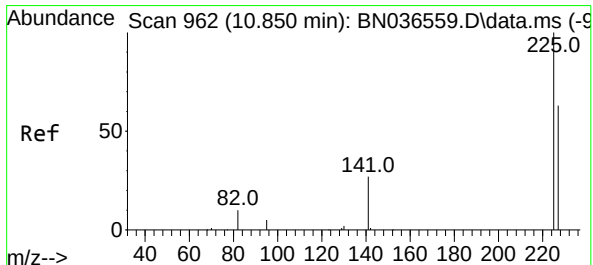
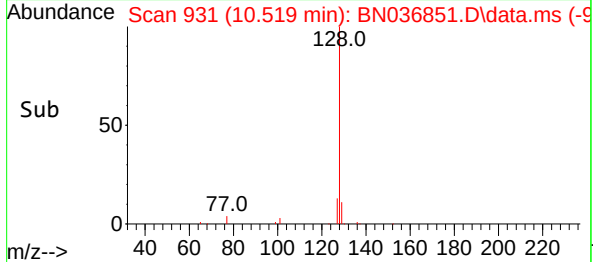
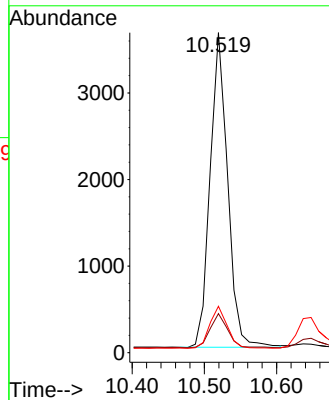
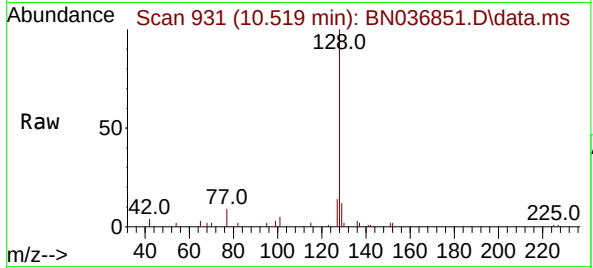




#9
Naphthalene
Concen: 0.343 ng
RT: 10.519 min Scan# 91
Delta R.T. -0.000 min
Lab File: BN036851.D
Acq: 07 Apr 2025 13:41

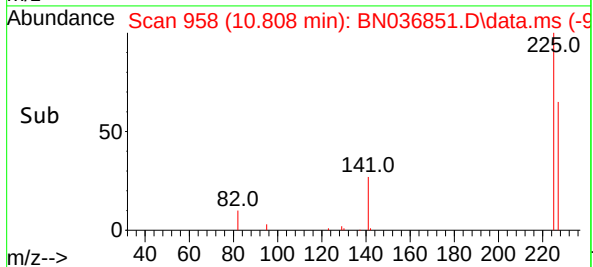
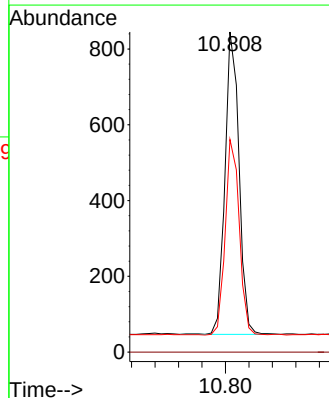
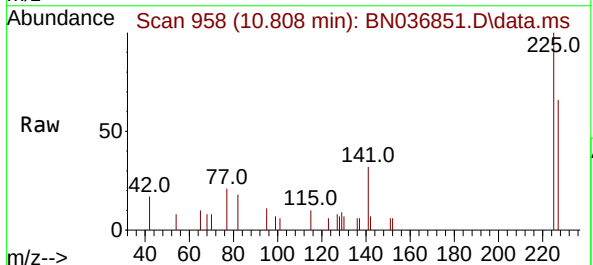
Instrument :
BNA_N
ClientSampleId :
GST2MS

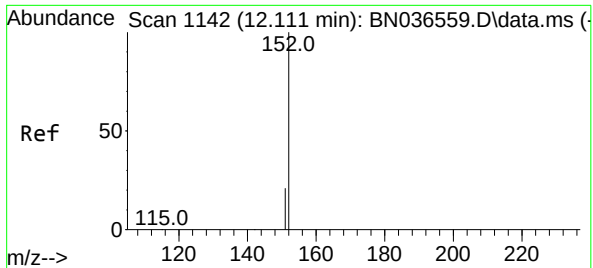
Tgt Ion	128	129	127
Resp:	6140		
Ion Ratio	100	12.2	14.5
Lower		9.8	11.8
Upper		14.6	17.8



#10
Hexachlorobutadiene
Concen: 0.313 ng
RT: 10.808 min Scan# 958
Delta R.T. -0.011 min
Lab File: BN036851.D
Acq: 07 Apr 2025 13:41

Tgt Ion	225	223	227
Resp:	1319		
Ion Ratio	100	0.0	64.5
Lower		0.0	51.8
Upper		0.0	77.8

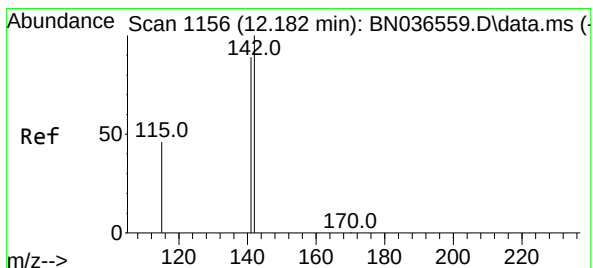
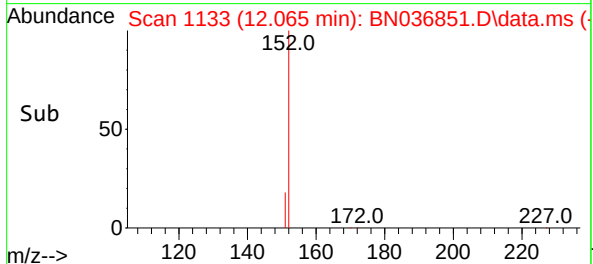
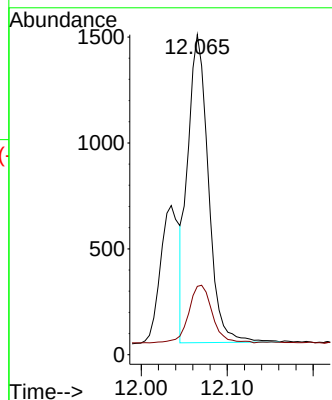
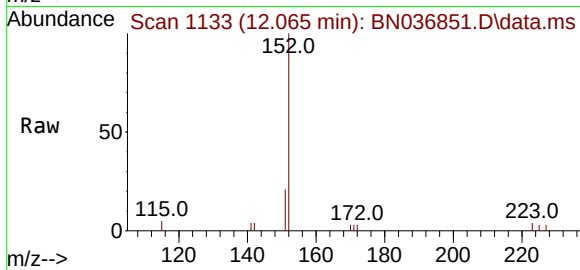




#11
2-Methylnaphthalene-d10
Concen: 0.267 ng
RT: 12.065 min Scan# 1142
Delta R.T. -0.005 min
Lab File: BN036851.D
Acq: 07 Apr 2025 13:41

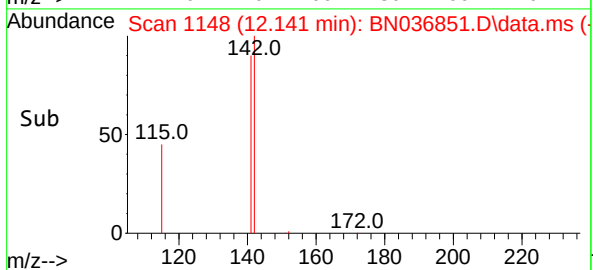
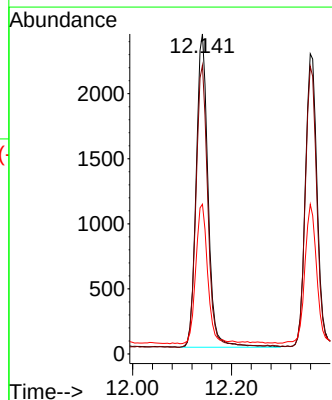
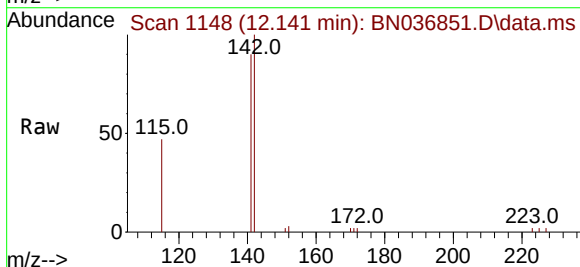
Instrument :
BNA_N
ClientSampleId :
GST2MS

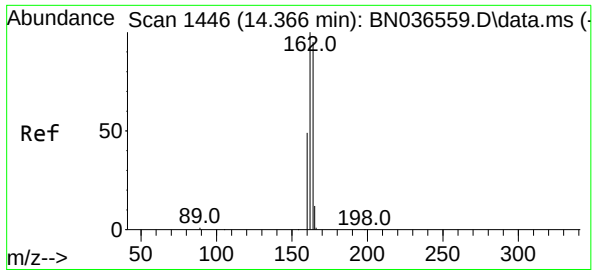
Tgt Ion:152 Resp: 2414
Ion Ratio Lower Upper
152 100
151 21.6 17.0 25.6



#12
2-Methylnaphthalene
Concen: 0.353 ng
RT: 12.141 min Scan# 1148
Delta R.T. -0.005 min
Lab File: BN036851.D
Acq: 07 Apr 2025 13:41

Tgt Ion:142 Resp: 4012
Ion Ratio Lower Upper
142 100
141 90.2 71.7 107.5
115 46.8 38.3 57.5

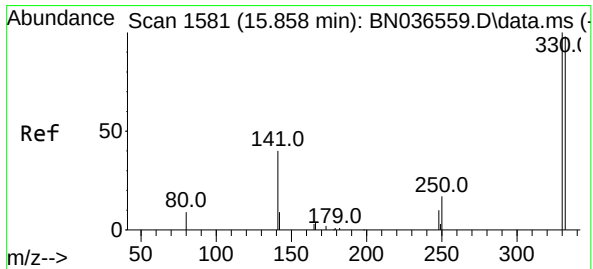
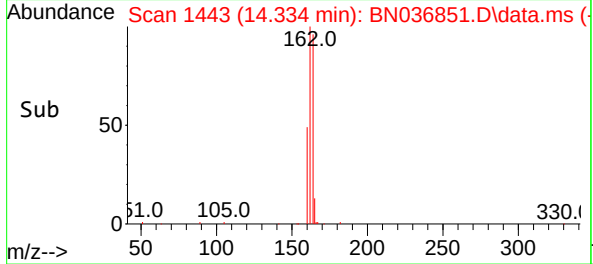
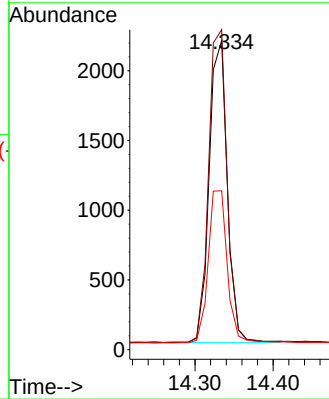
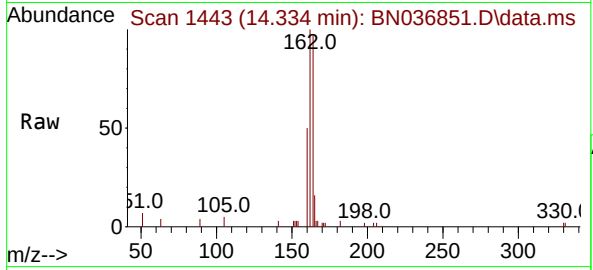




#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.334 min Scan# 1443
Delta R.T. -0.000 min
Lab File: BN036851.D
Acq: 07 Apr 2025 13:41

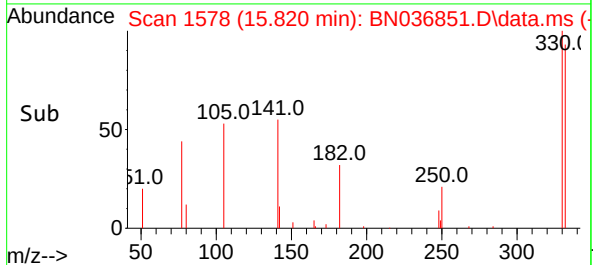
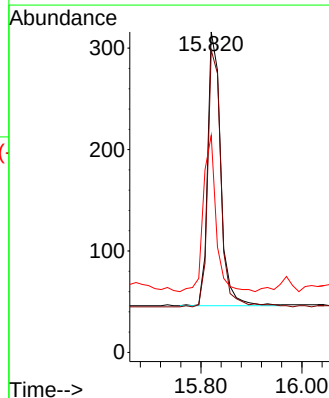
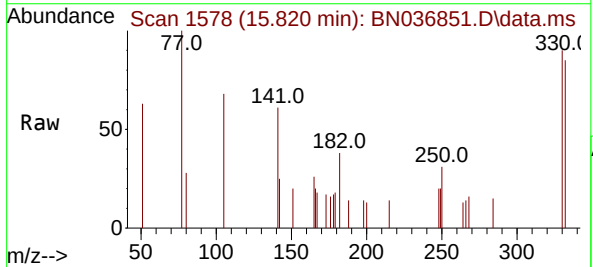
Instrument :
BNA_N
ClientSampleId :
GST2MS

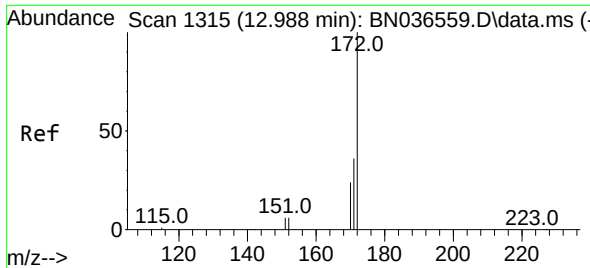
Tgt Ion:164 Resp: 3507
Ion Ratio Lower Upper
164 100
162 103.5 84.2 126.2
160 51.4 42.2 63.2



#14
2,4,6-Tribromophenol
Concen: 0.305 ng
RT: 15.820 min Scan# 1578
Delta R.T. -0.012 min
Lab File: BN036851.D
Acq: 07 Apr 2025 13:41

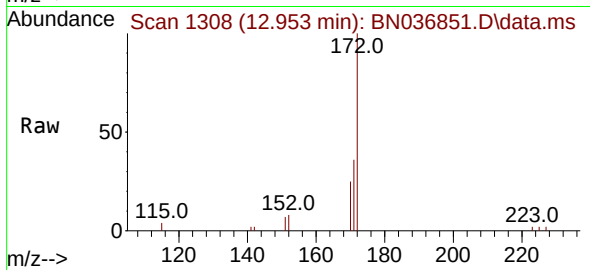
Tgt Ion:330 Resp: 485
Ion Ratio Lower Upper
330 100
332 95.5 75.2 112.8
141 55.7 43.4 65.2



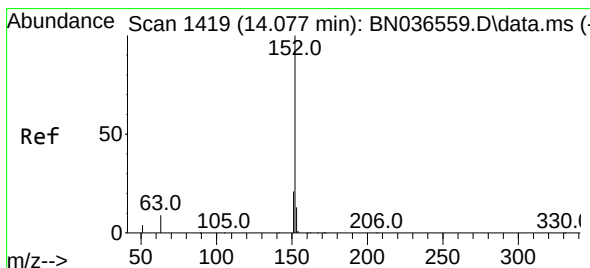
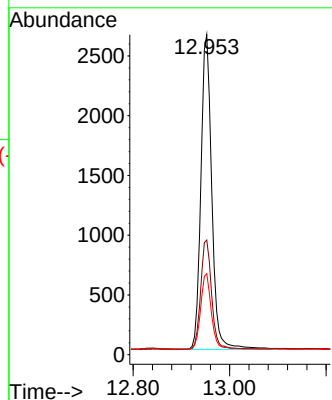
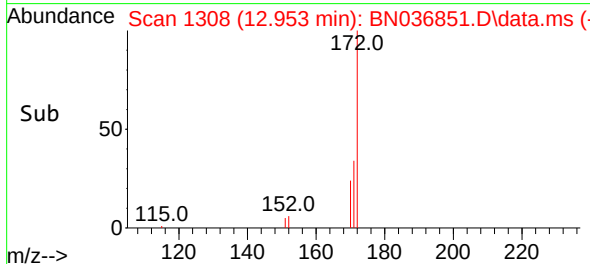


#15
2-Fluorobiphenyl
Concen: 0.265 ng
RT: 12.953 min Scan# 11
Delta R.T. -0.005 min
Lab File: BN036851.D
Acq: 07 Apr 2025 13:41

Instrument :
BNA_N
ClientSampleId :
GST2MS

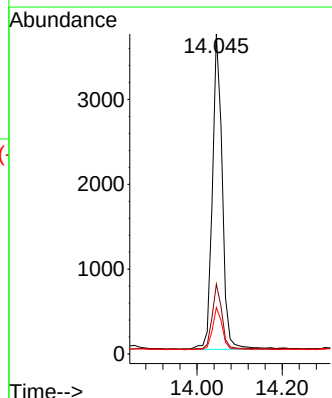
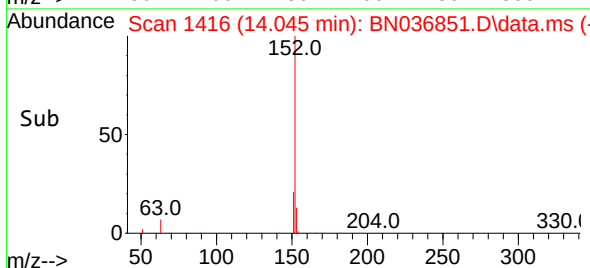
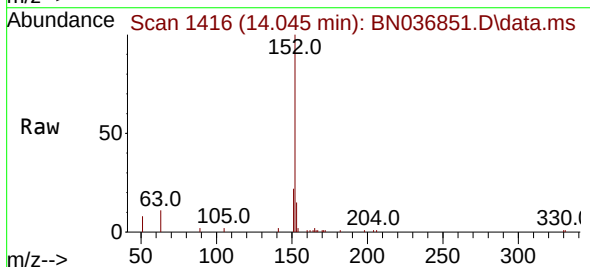


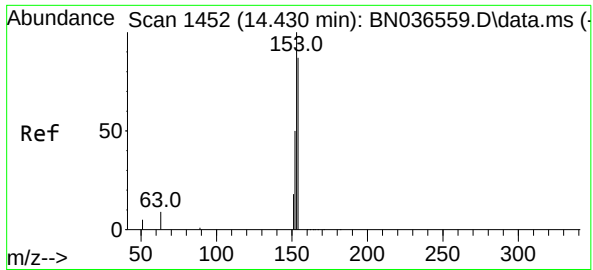
Tgt Ion:172 Resp: 5409
Ion Ratio Lower Upper
172 100
171 35.8 29.5 44.3
170 25.3 20.2 30.4



#16
Acenaphthylene
Concen: 0.362 ng
RT: 14.045 min Scan# 1416
Delta R.T. -0.000 min
Lab File: BN036851.D
Acq: 07 Apr 2025 13:41

Tgt Ion:152 Resp: 5984
Ion Ratio Lower Upper
152 100
151 20.2 16.2 24.4
153 13.5 10.6 15.8

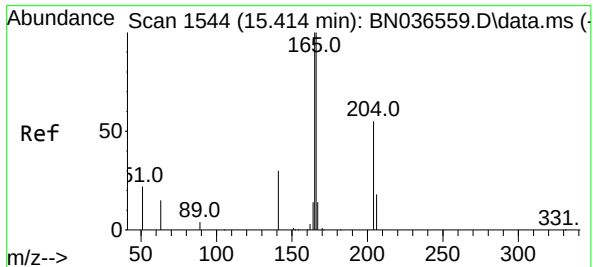
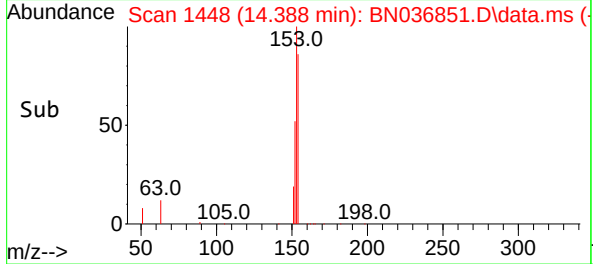
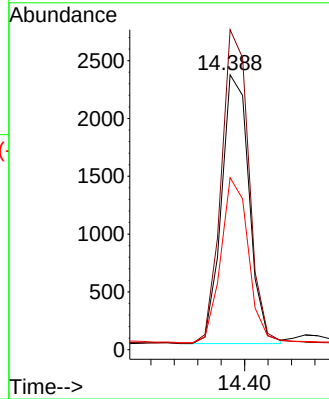
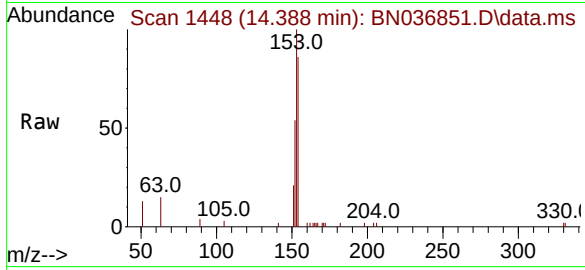




#17
Acenaphthene
Concen: 0.351 ng
RT: 14.388 min Scan# 1448
Delta R.T. -0.011 min
Lab File: BN036851.D
Acq: 07 Apr 2025 13:41

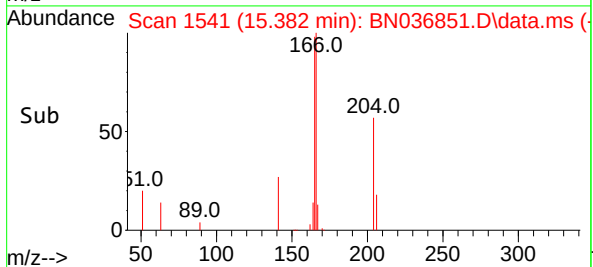
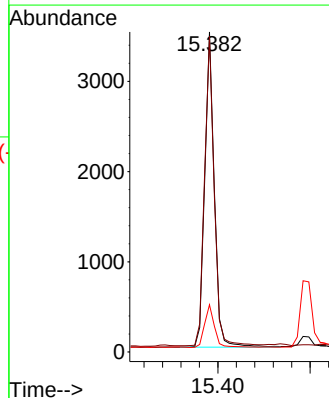
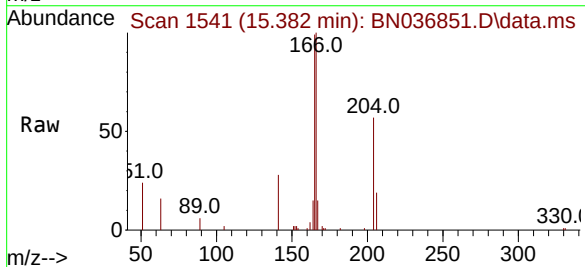
Instrument :
BNA_N
ClientSampleId :
GST2MS

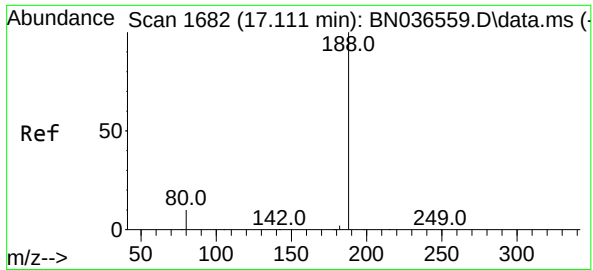
Tgt Ion	154	153	152
Resp:	3806	117.6	62.0
Ratio	100	117.6	62.0
Lower		94.1	49.8
Upper		141.1	74.6



#18
Fluorene
Concen: 0.349 ng
RT: 15.382 min Scan# 1541
Delta R.T. -0.000 min
Lab File: BN036851.D
Acq: 07 Apr 2025 13:41

Tgt Ion	166	165	167
Resp:	5112	97.1	13.8
Ratio	100	97.1	13.8
Lower		79.8	10.6
Upper		119.8	15.8





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 17.074 min Scan# 1

Delta R.T. -0.000 min

Lab File: BN036851.D

Acq: 07 Apr 2025 13:41

Instrument :

BNA_N

ClientSampleId :

GST2MS

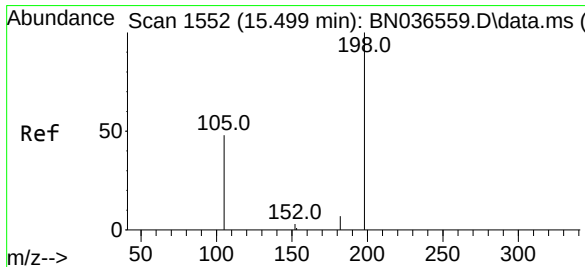
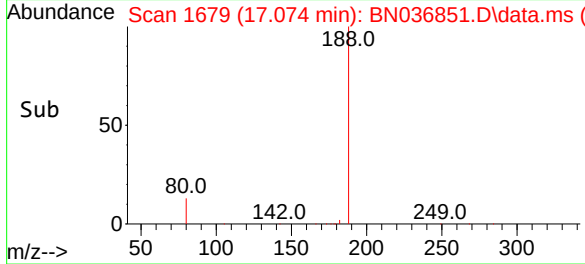
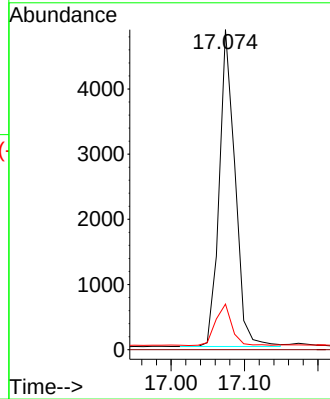
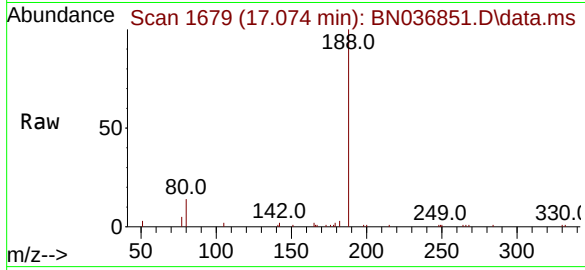
Tgt Ion:188 Resp: 7277

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

80 14.3 8.8 13.2#



#20

4,6-Dinitro-2-methylphenol

Concen: 0.412 ng

RT: 15.467 min Scan# 1549

Delta R.T. -0.011 min

Lab File: BN036851.D

Acq: 07 Apr 2025 13:41

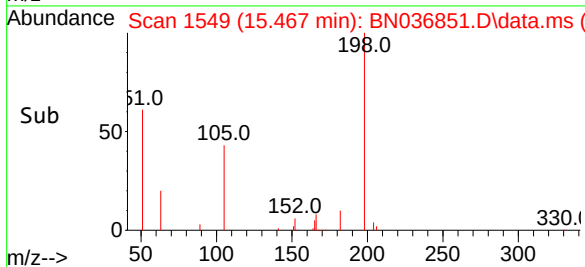
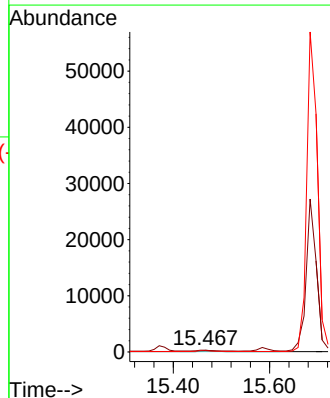
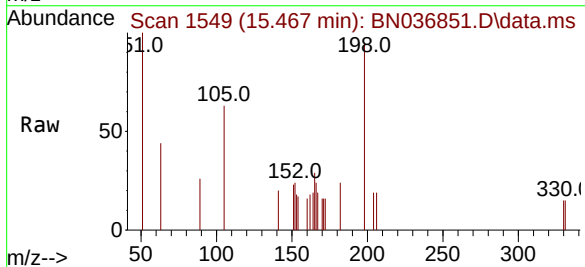
Tgt Ion:198 Resp: 495

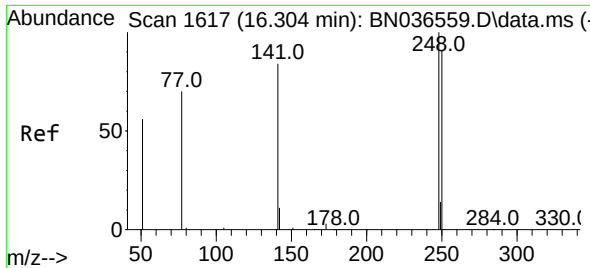
Ion Ratio Lower Upper

198 100

51 104.9 107.9 161.9#

105 66.0 56.2 84.2

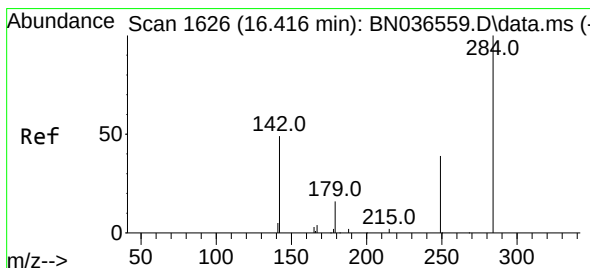
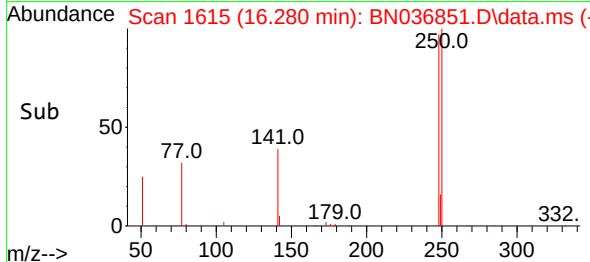
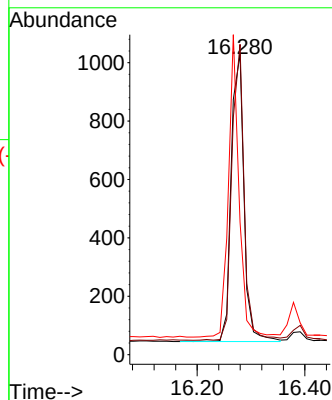
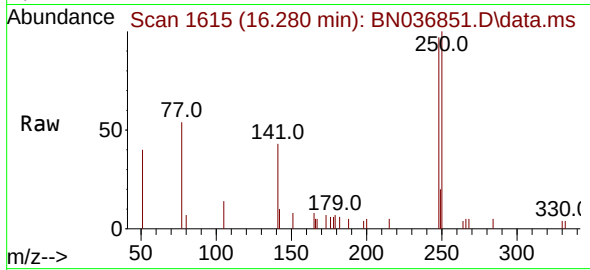




#21
4-Bromophenyl-phenylether
Concen: 0.355 ng
RT: 16.280 min Scan# 1615
Delta R.T. -0.000 min
Lab File: BN036851.D
Acq: 07 Apr 2025 13:41

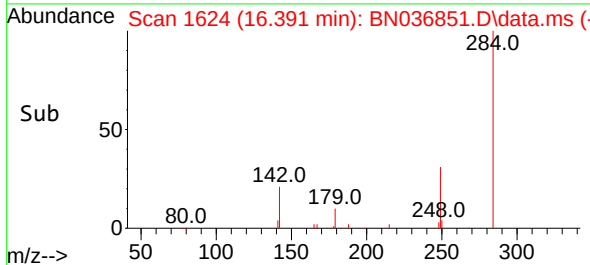
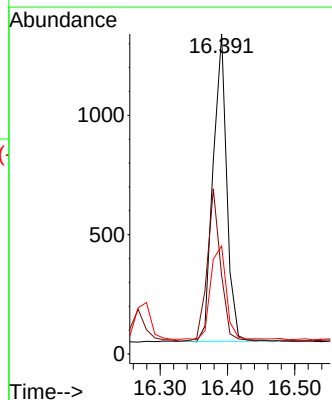
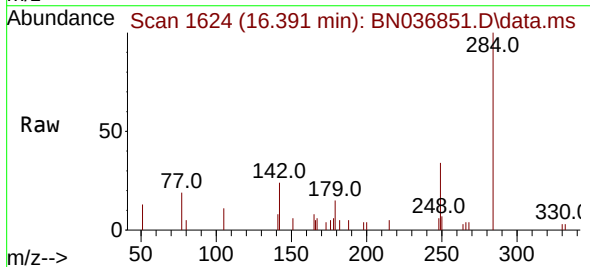
Instrument :
BNA_N
ClientSampleId :
GST2MS

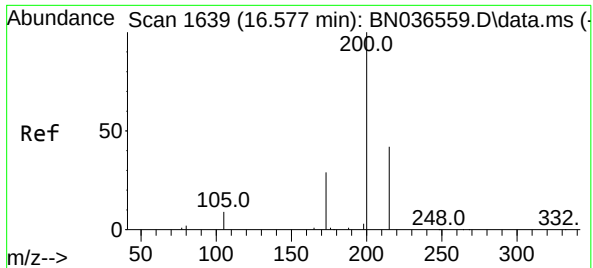
Tgt Ion	Ratio	Lower	Upper
248	100		
250	103.3	73.0	109.6
141	44.1	68.6	103.0#



#22
Hexachlorobenzene
Concen: 0.330 ng
RT: 16.391 min Scan# 1624
Delta R.T. -0.000 min
Lab File: BN036851.D
Acq: 07 Apr 2025 13:41

Tgt Ion	Ratio	Lower	Upper
284	100		
142	48.5	37.0	55.4
249	35.7	28.1	42.1

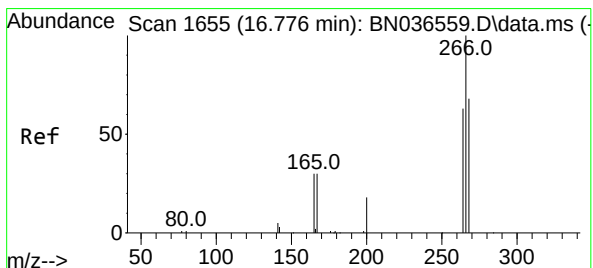
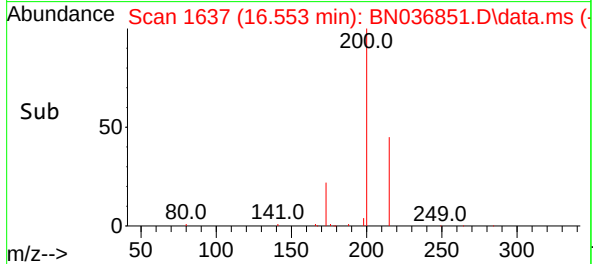
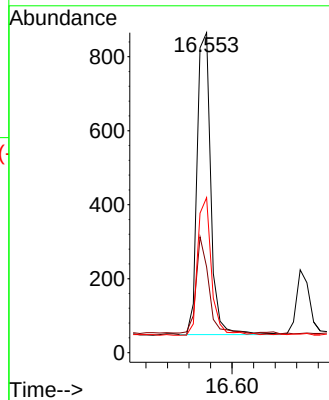
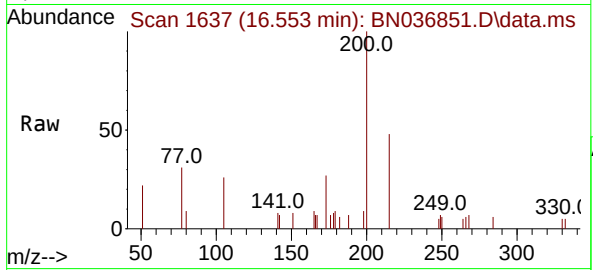




#23
Atrazine
Concen: 0.393 ng
RT: 16.553 min Scan# 1637
Delta R.T. -0.000 min
Lab File: BN036851.D
Acq: 07 Apr 2025 13:41

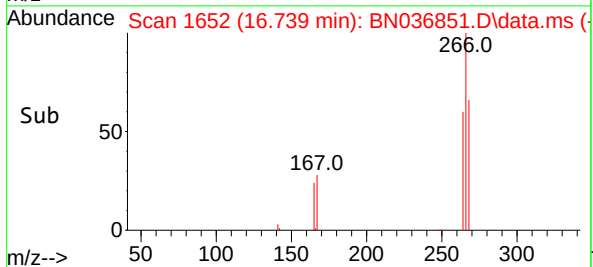
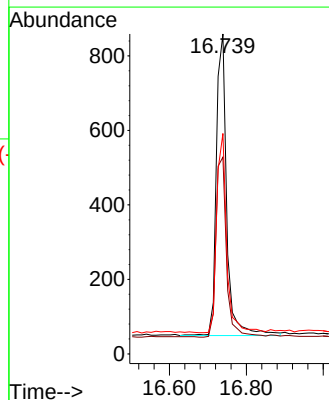
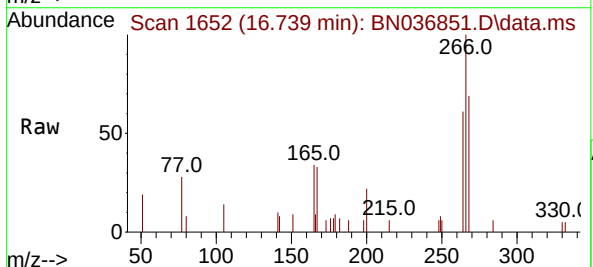
Instrument :
BNA_N
ClientSampleId :
GST2MS

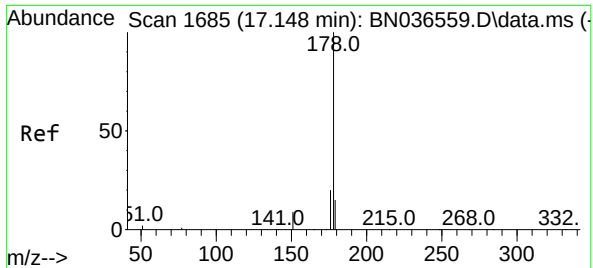
Tgt Ion:200 Resp: 1437
Ion Ratio Lower Upper
200 100
173 26.8 27.3 40.9#
215 48.4 36.8 55.2



#24
Pentachlorophenol
Concen: 0.604 ng
RT: 16.739 min Scan# 1652
Delta R.T. -0.000 min
Lab File: BN036851.D
Acq: 07 Apr 2025 13:41

Tgt Ion:266 Resp: 1517
Ion Ratio Lower Upper
266 100
264 60.5 49.6 74.4
268 63.5 50.9 76.3

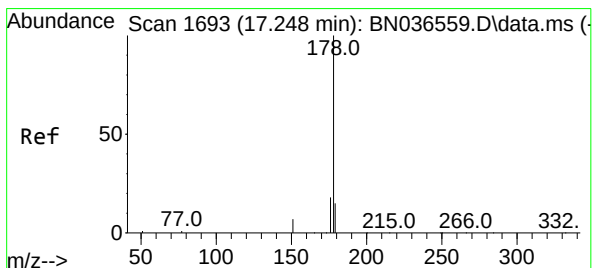
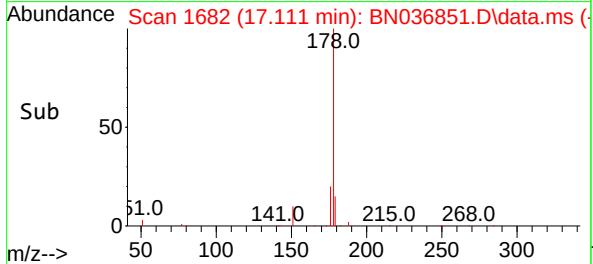
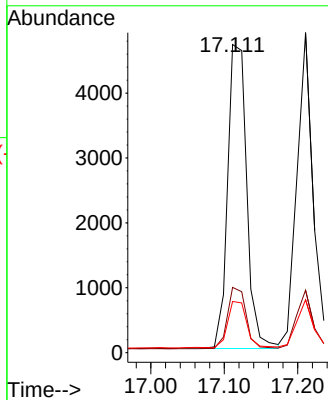
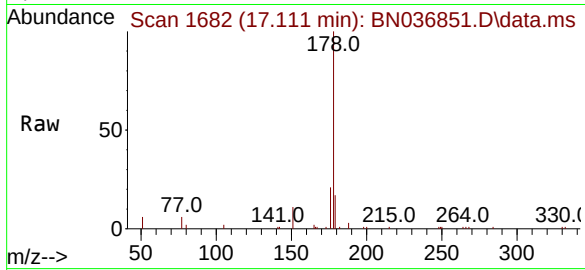




#25
Phenanthrene
Concen: 0.389 ng
RT: 17.111 min Scan# 1682
Delta R.T. -0.012 min
Lab File: BN036851.D
Acq: 07 Apr 2025 13:41

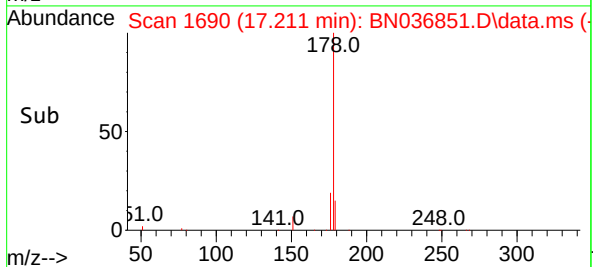
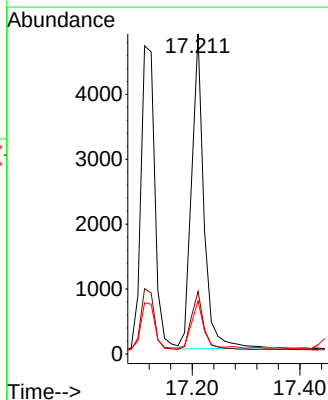
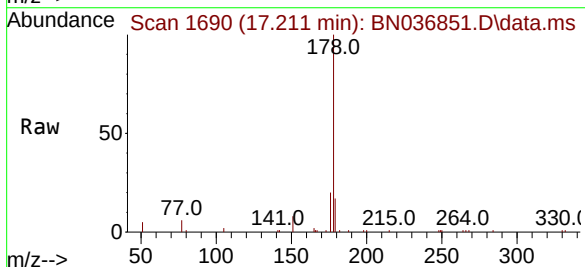
Instrument :
BNA_N
ClientSampleId :
GST2MS

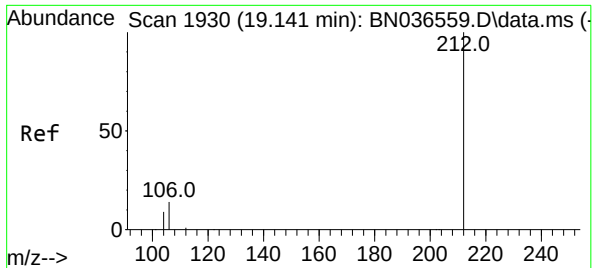
Tgt Ion:178 Resp: 8495
Ion Ratio Lower Upper
178 100
176 19.7 15.9 23.9
179 15.5 12.2 18.4



#26
Anthracene
Concen: 0.392 ng
RT: 17.211 min Scan# 1690
Delta R.T. -0.000 min
Lab File: BN036851.D
Acq: 07 Apr 2025 13:41

Tgt Ion:178 Resp: 7730
Ion Ratio Lower Upper
178 100
176 18.4 15.4 23.2
179 15.5 12.6 18.8





#27

Fluoranthene-d10

Concen: 0.311 ng

RT: 19.113 min Scan# 19

Delta R.T. -0.000 min

Lab File: BN036851.D

Acq: 07 Apr 2025 13:41

Instrument :

BNA_N

ClientSampleId :

GST2MS

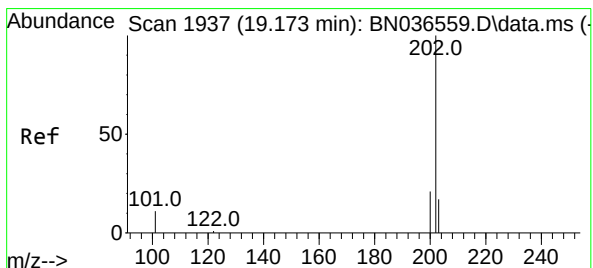
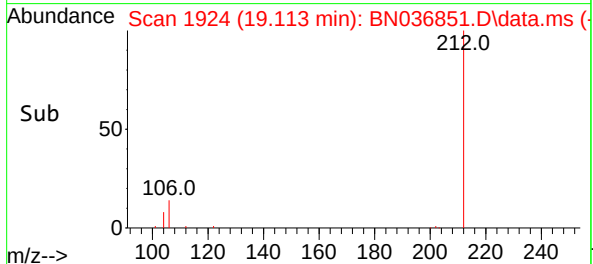
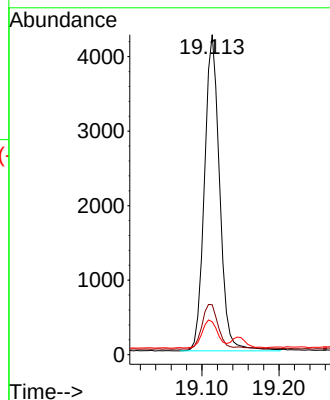
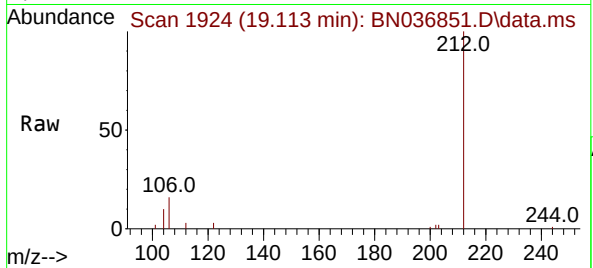
Tgt Ion:212 Resp: 5797

Ion Ratio Lower Upper

212 100

106 15.9 11.8 17.6

104 9.0 7.3 10.9



#28

Fluoranthene

Concen: 0.423 ng

RT: 19.141 min Scan# 1930

Delta R.T. -0.000 min

Lab File: BN036851.D

Acq: 07 Apr 2025 13:41

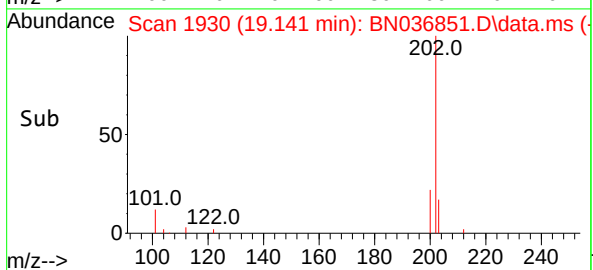
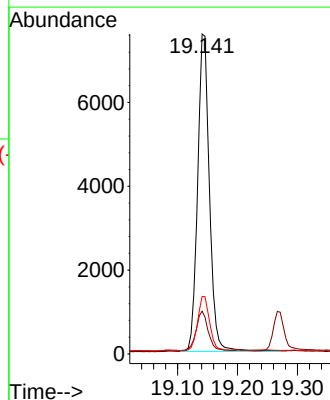
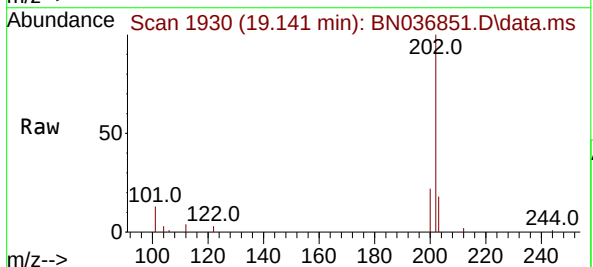
Tgt Ion:202 Resp: 10367

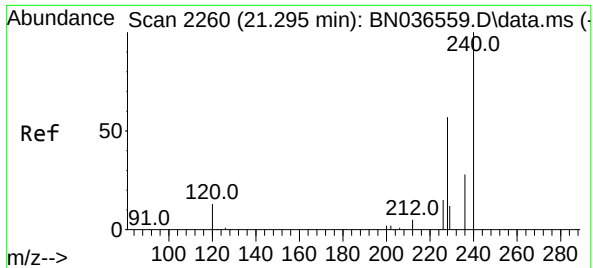
Ion Ratio Lower Upper

202 100

101 12.9 9.4 14.0

203 17.2 13.5 20.3

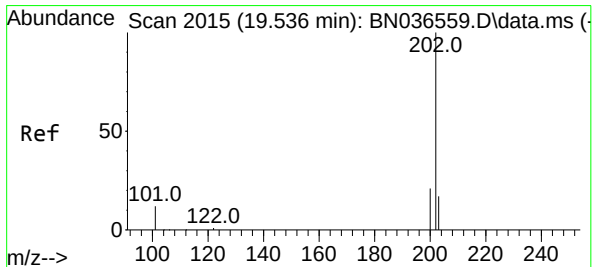
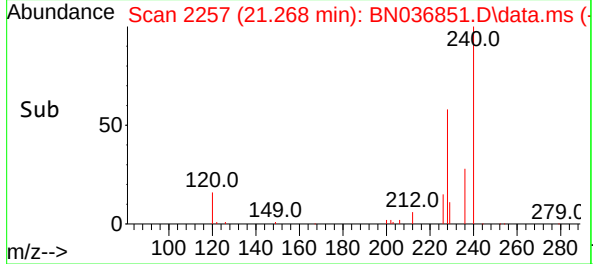
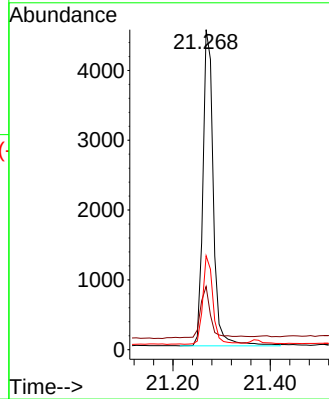
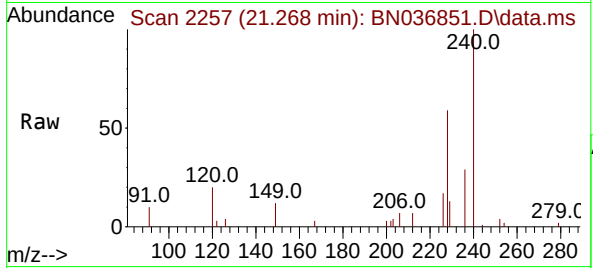




#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.268 min Scan# 21
Delta R.T. -0.000 min
Lab File: BN036851.D
Acq: 07 Apr 2025 13:41

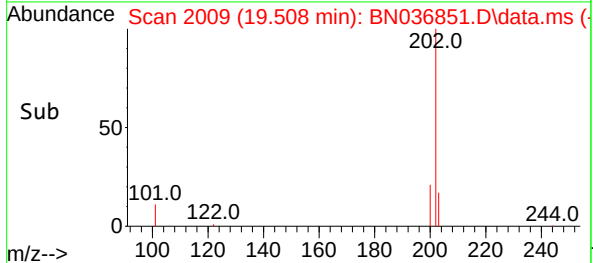
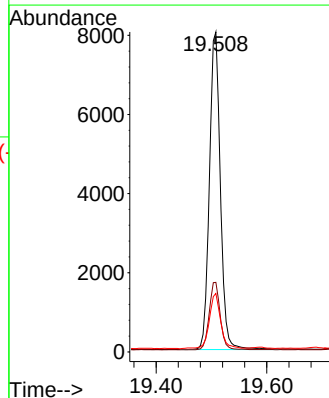
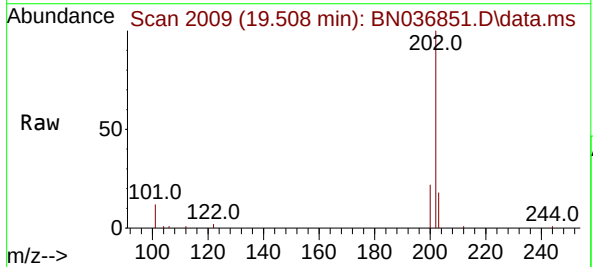
Instrument :
BNA_N
ClientSampleId :
GST2MS

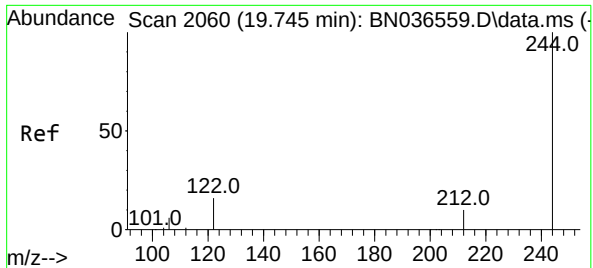
Tgt Ion:240 Resp: 6717
Ion Ratio Lower Upper
240 100
120 19.7 14.6 22.0
236 29.3 24.1 36.1



#30
Pyrene
Concen: 0.336 ng
RT: 19.508 min Scan# 2009
Delta R.T. -0.000 min
Lab File: BN036851.D
Acq: 07 Apr 2025 13:41

Tgt Ion:202 Resp: 11046
Ion Ratio Lower Upper
202 100
200 21.2 17.1 25.7
203 18.2 14.1 21.1

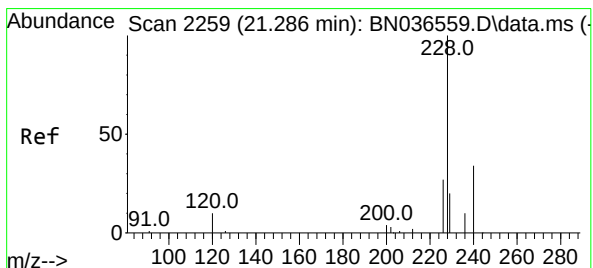
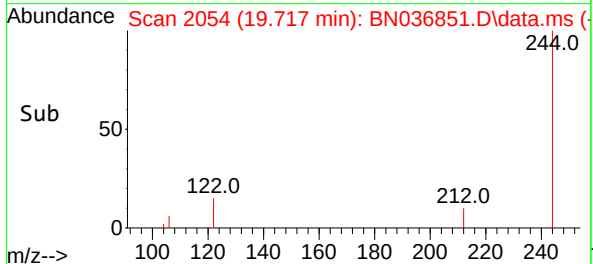
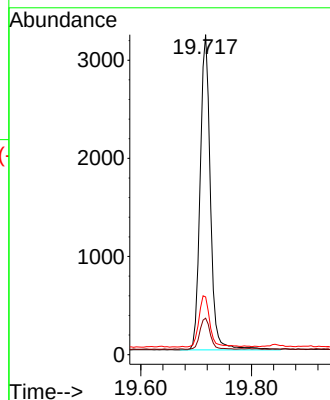
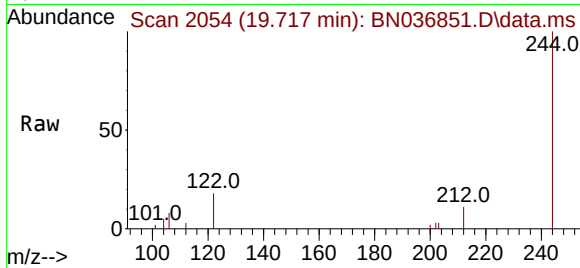




#31
Terphenyl-d14
Concen: 0.258 ng
RT: 19.717 min Scan# 2054
Delta R.T. -0.000 min
Lab File: BN036851.D
Acq: 07 Apr 2025 13:41

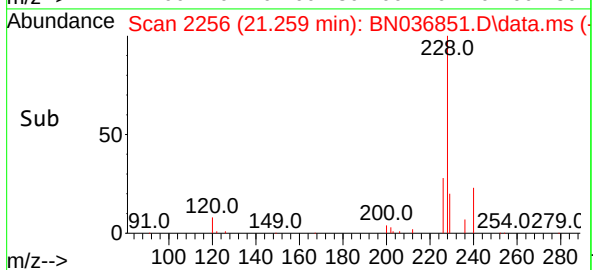
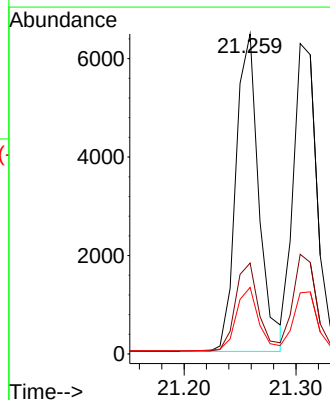
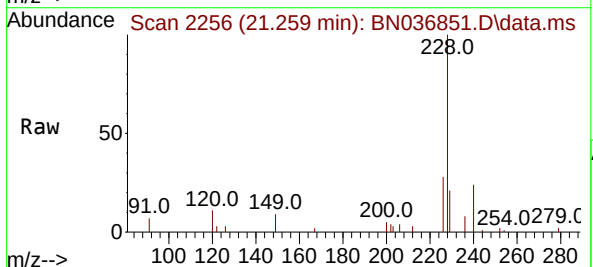
Instrument :
BNA_N
ClientSampleId :
GST2MS

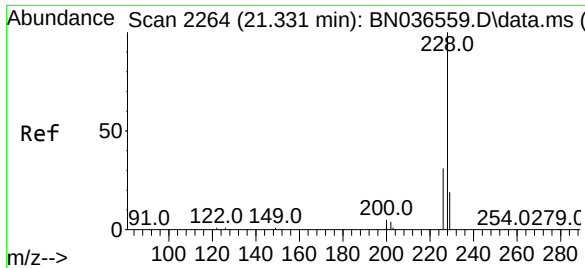
Tgt Ion	Ratio	Lower	Upper
244	100		
212	11.4	9.6	14.4
122	18.0	13.9	20.9



#32
Benzo(a)anthracene
Concen: 0.395 ng
RT: 21.259 min Scan# 2256
Delta R.T. -0.000 min
Lab File: BN036851.D
Acq: 07 Apr 2025 13:41

Tgt Ion	Ratio	Lower	Upper
228	100		
226	28.4	22.5	33.7
229	20.8	16.6	25.0





#33

Chrysene

Concen: 0.376 ng

RT: 21.304 min Scan# 21

Delta R.T. -0.000 min

Lab File: BN036851.D

Acq: 07 Apr 2025 13:41

Instrument :

BNA_N

ClientSampleId :

GST2MS

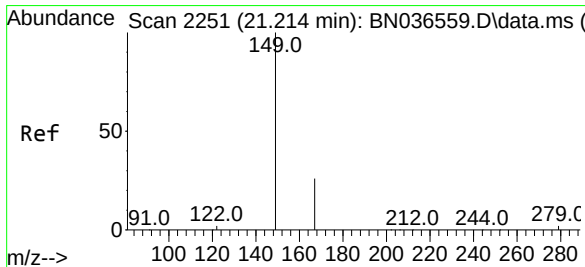
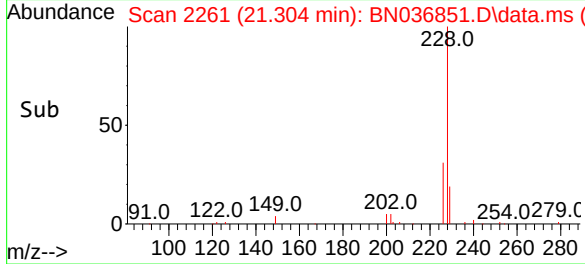
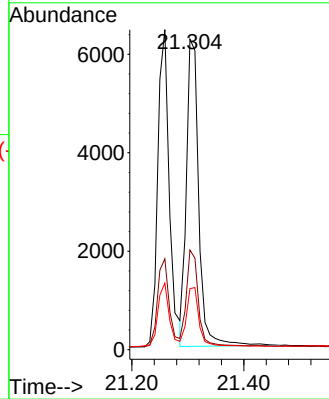
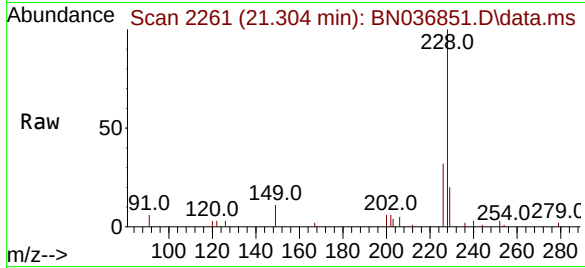
Tgt Ion:228 Resp: 9602

Ion Ratio Lower Upper

228 100

226 32.1 25.3 37.9

229 19.7 15.8 23.8



#34

Bis(2-ethylhexyl)phthalate

Concen: 0.552 ng

RT: 21.196 min Scan# 2249

Delta R.T. 0.009 min

Lab File: BN036851.D

Acq: 07 Apr 2025 13:41

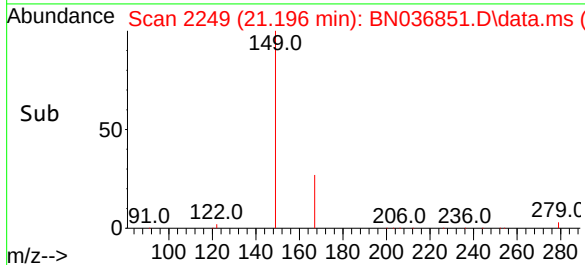
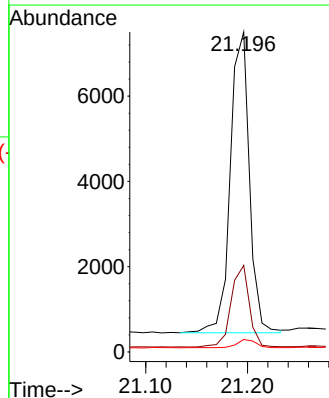
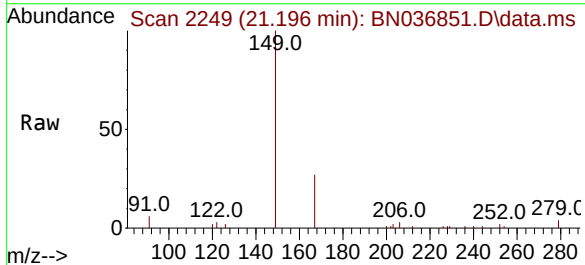
Tgt Ion:149 Resp: 9178

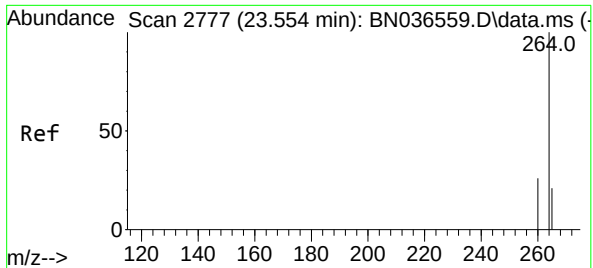
Ion Ratio Lower Upper

149 100

167 25.9 20.7 31.1

279 2.7 3.6 5.4#

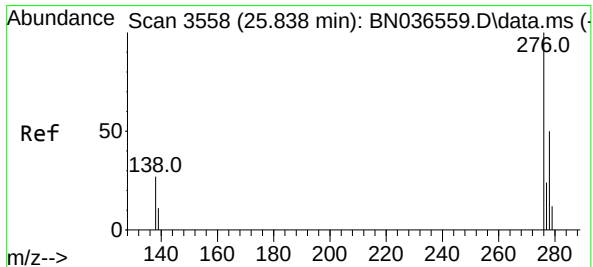
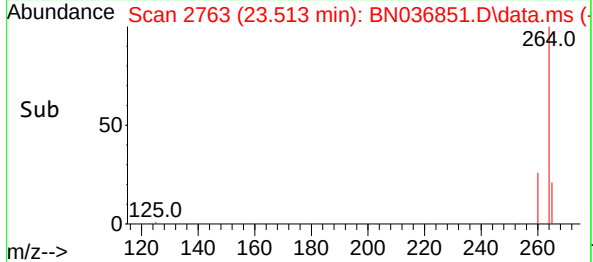
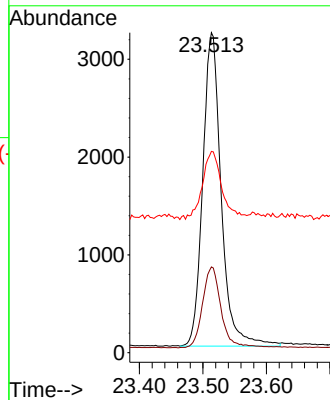
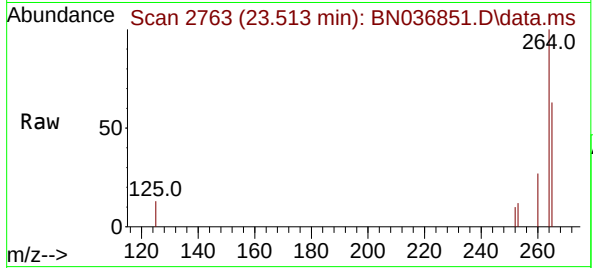




#35
Perylene-d12
Concen: 0.400 ng
RT: 23.513 min Scan# 21
Delta R.T. 0.003 min
Lab File: BN036851.D
Acq: 07 Apr 2025 13:41

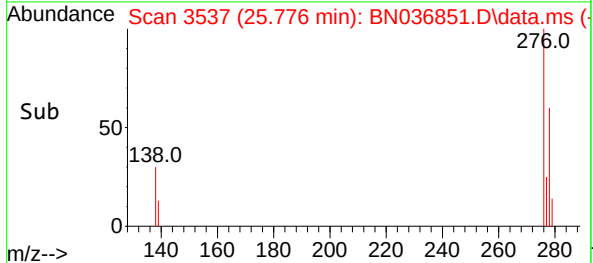
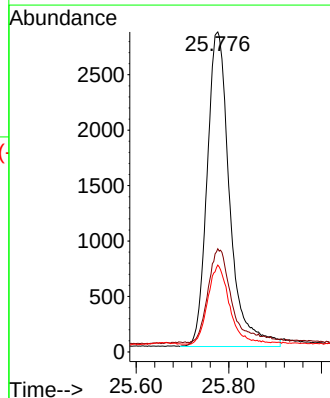
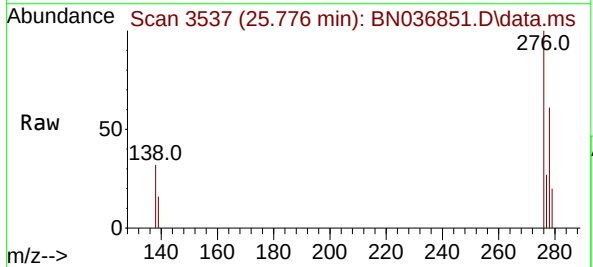
Instrument :
BNA_N
ClientSampleId :
GST2MS

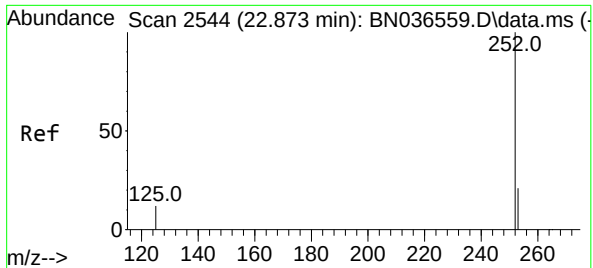
Tgt Ion:264 Resp: 6473
Ion Ratio Lower Upper
264 100
260 26.8 22.6 33.8
265 62.9 88.1 132.1#



#36
Indeno(1,2,3-cd)pyrene
Concen: 0.410 ng
RT: 25.776 min Scan# 3537
Delta R.T. 0.006 min
Lab File: BN036851.D
Acq: 07 Apr 2025 13:41

Tgt Ion:276 Resp: 9589
Ion Ratio Lower Upper
276 100
138 31.0 23.4 35.2
277 24.4 20.0 30.0

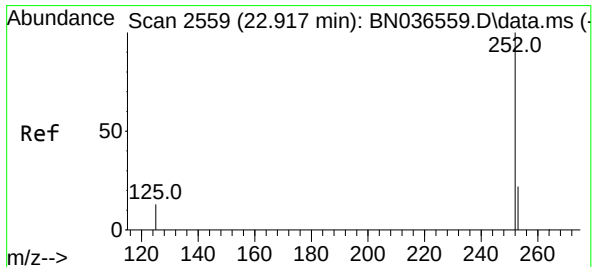
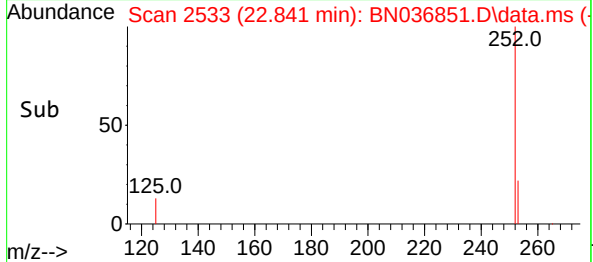
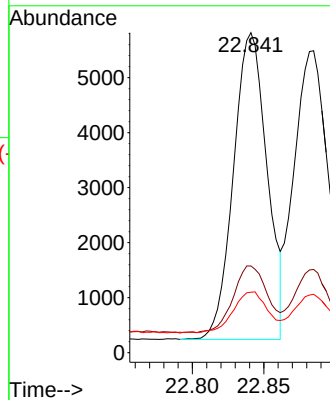
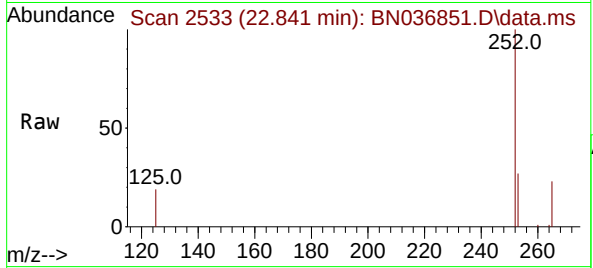




#37
Benzo(b)fluoranthene
Concen: 0.387 ng
RT: 22.841 min Scan# 2543
Delta R.T. 0.003 min
Lab File: BN036851.D
Acq: 07 Apr 2025 13:41

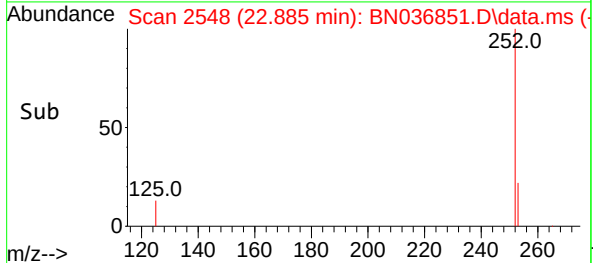
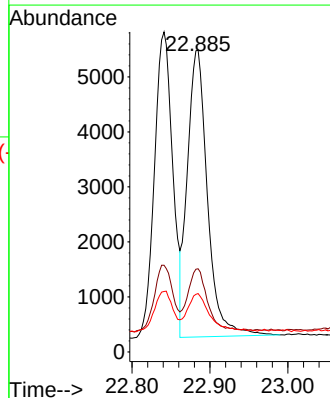
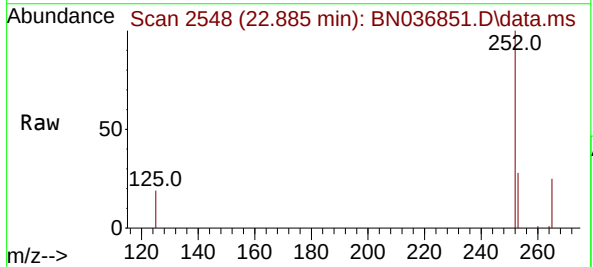
Instrument :
BNA_N
ClientSampleId :
GST2MS

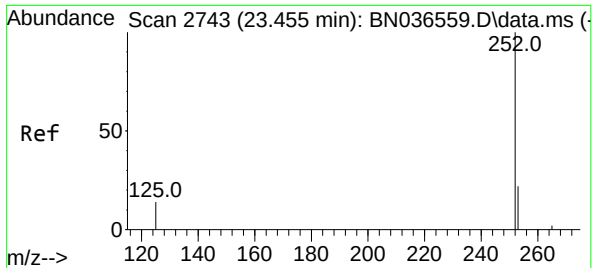
Tgt Ion:252 Resp: 9121
Ion Ratio Lower Upper
252 100
253 27.1 23.9 35.9
125 18.9 17.4 26.2



#38
Benzo(k)fluoranthene
Concen: 0.379 ng
RT: 22.885 min Scan# 2548
Delta R.T. 0.006 min
Lab File: BN036851.D
Acq: 07 Apr 2025 13:41

Tgt Ion:252 Resp: 9355
Ion Ratio Lower Upper
252 100
253 27.6 24.6 36.8
125 19.4 17.8 26.8





#39

Benzo(a)pyrene

Concen: 0.409 ng

RT: 23.414 min Scan# 21

Delta R.T. 0.003 min

Lab File: BN036851.D

Acq: 07 Apr 2025 13:41

Instrument :

BNA_N

ClientSampleId :

GST2MS

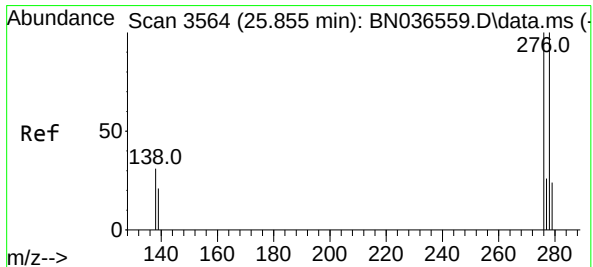
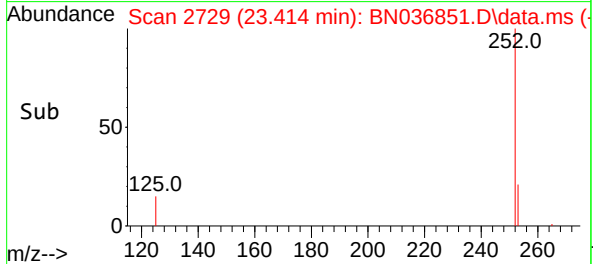
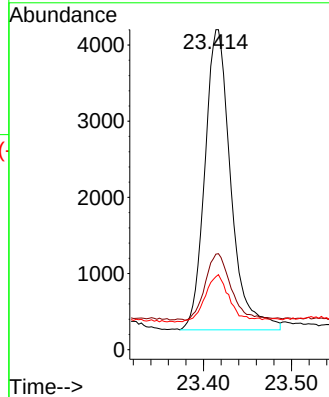
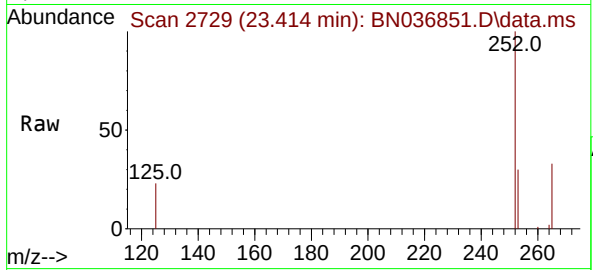
Tgt Ion:252 Resp: 8108

Ion Ratio Lower Upper

252 100

253 29.8 27.8 41.8

125 22.8 22.7 34.1



#40

Dibenzo(a,h)anthracene

Concen: 0.392 ng

RT: 25.791 min Scan# 3542

Delta R.T. -0.000 min

Lab File: BN036851.D

Acq: 07 Apr 2025 13:41

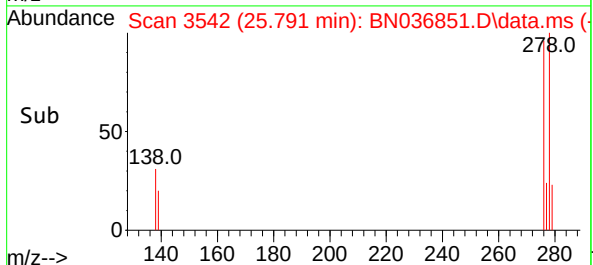
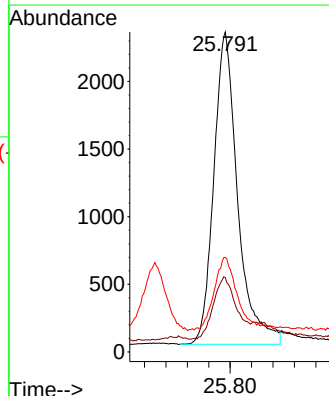
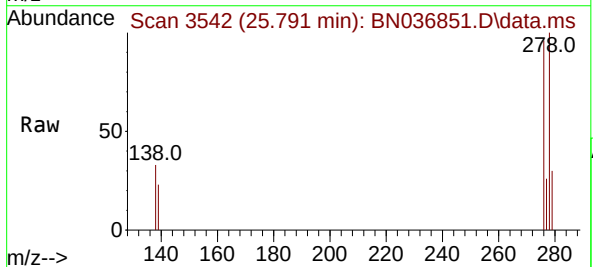
Tgt Ion:278 Resp: 7130

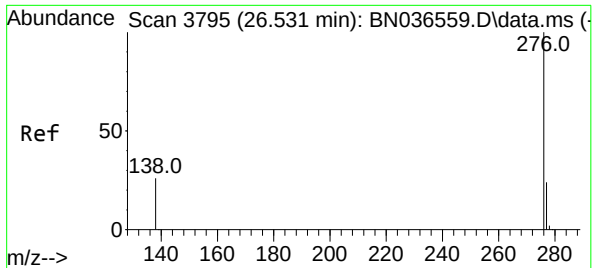
Ion Ratio Lower Upper

278 100

139 23.2 20.8 31.2

279 29.5 28.8 43.2





#41

Benzo(g,h,i)perylene

Concen: 0.368 ng

RT: 26.460 min Scan# 31

Delta R.T. 0.003 min

Lab File: BN036851.D

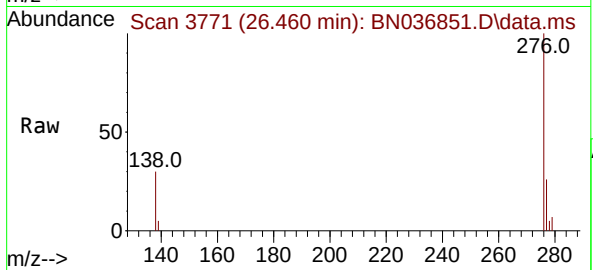
Acq: 07 Apr 2025 13:41

Instrument :

BNA_N

ClientSampleId :

GST2MS



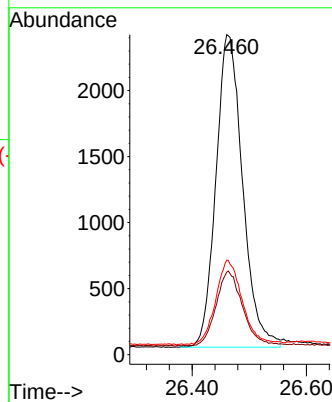
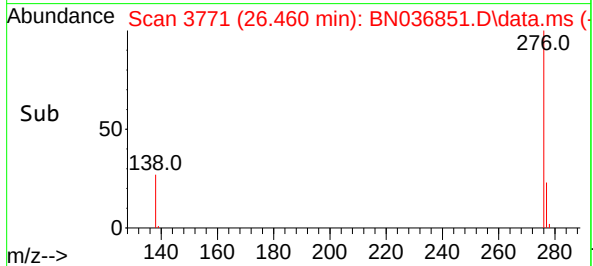
Tgt Ion:276 Resp: 7664

Ion Ratio Lower Upper

276 100

277 25.8 22.2 33.4

138 29.6 24.1 36.1



Report of Analysis

Client:	G Environmental	Date Collected:	04/04/25
Project:	Stockton	Date Received:	04/04/25
Client Sample ID:	GST2MSD	SDG No.:	Q1736
Lab Sample ID:	Q1736-02MSD	Matrix:	SOIL
Analytical Method:	SW8270ESIM	% Solid:	80.5
Sample Wt/Vol:	30.06 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-SIMGroup1
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	sw3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BN036852.D	1	04/07/25 08:55	04/07/25 14:18	PB167475

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
123-91-1	1,4-Dioxane	14.3		2.90	8.20	ug/Kg
SURROGATES						
7297-45-2	2-Methylnaphthalene-d10	0.30		30 (17) - 150 (161)	75%	SPK: 0.4
93951-69-0	Fluoranthene-d10	0.34		30 (23) - 150 (138)	84%	SPK: 0.4
4165-60-0	Nitrobenzene-d5	0.28		30 (33) - 130 (121)	69%	SPK: 0.4
321-60-8	2-Fluorobiphenyl	0.27		30 (32) - 130 (121)	66%	SPK: 0.4
1718-51-0	Terphenyl-d14	0.28		30 (21) - 130 (130)	70%	SPK: 0.4
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	2270	7.688			
1146-65-2	Naphthalene-d8	5950	10.477			
15067-26-2	Acenaphthene-d10	3410	14.334			
1517-22-2	Phenanthrene-d10	6920	17.074			
1719-03-5	Chrysene-d12	6230	21.268			
1520-96-3	Perylene-d12	5980	23.514			

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_N\Data\BN040725\
 Data File : BN036852.D
 Acq On : 07 Apr 2025 14:18
 Operator : RC/JU
 Sample : Q1736-02MSD
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 GST2MSD

Quant Time: Apr 07 15:12:38 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN031025.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Apr 04 17:30:43 2025
 Response via : Initial Calibration

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

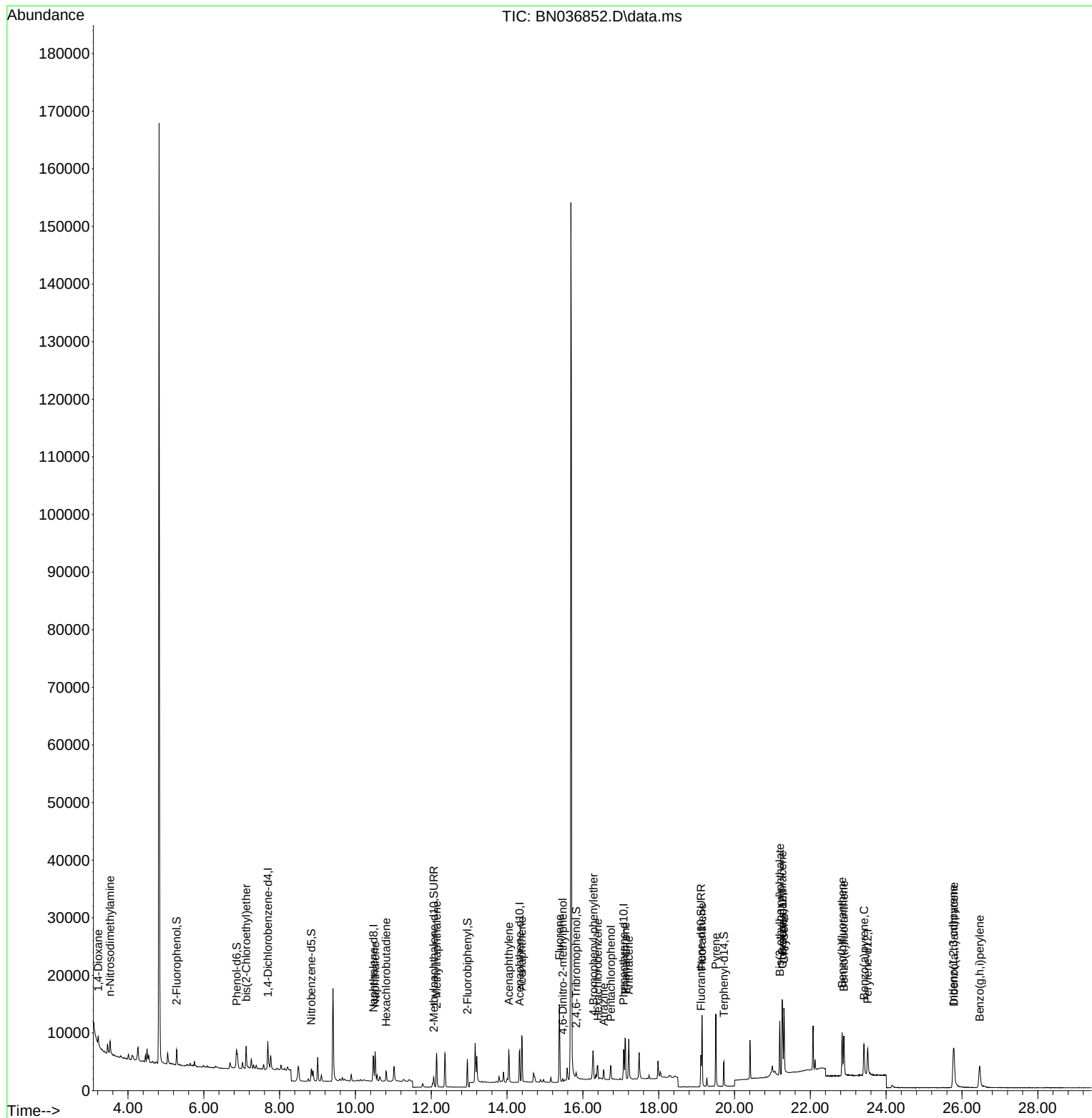
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.688	152	2270	0.400	ng	0.00
7) Naphthalene-d8	10.477	136	5950	0.400	ng	# 0.00
13) Acenaphthene-d10	14.334	164	3412	0.400	ng	0.00
19) Phenanthrene-d10	17.074	188	6916	0.400	ng	# 0.00
29) Chrysene-d12	21.268	240	6228	0.400	ng	0.00
35) Perylene-d12	23.514	264	5983	0.400	ng	# 0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.283	112	1938	0.366	ng	0.00
5) Phenol-d6	6.865	99	2517	0.385	ng	0.00
8) Nitrobenzene-d5	8.833	82	1777	0.275	ng	-0.01
11) 2-Methylnaphthalene-d10	12.065	152	2666	0.301	ng	0.00
14) 2,4,6-Tribromophenol	15.821	330	525	0.339	ng	-0.01
15) 2-Fluorobiphenyl	12.953	172	5255	0.265	ng	0.00
27) Fluoranthene-d10	19.113	212	5957	0.336	ng	0.00
31) Terphenyl-d14	19.717	244	4172	0.280	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.218	88	873	0.347	ng	# 33
3) n-Nitrosodimethylamine	3.528	42	2017	0.396	ng	# 99
6) bis(2-Chloroethyl)ether	7.118	93	2683	0.397	ng	99
9) Naphthalene	10.520	128	6590	0.377	ng	100
10) Hexachlorobutadiene	10.808	225	1408	0.342	ng	# 99
12) 2-Methylnaphthalene	12.141	142	4248	0.381	ng	98
16) Acenaphthylene	14.046	152	6281	0.390	ng	100
17) Acenaphthene	14.388	154	4061	0.385	ng	99
18) Fluorene	15.382	166	5318	0.373	ng	100
20) 4,6-Dinitro-2-methylph...	15.467	198	464	0.409	ng	88
21) 4-Bromophenyl-phenylether	16.280	248	1667	0.385	ng	# 73
22) Hexachlorobenzene	16.391	284	1854	0.354	ng	97
23) Atrazine	16.553	200	1515	0.436	ng	# 92
24) Pentachlorophenol	16.739	266	1377	0.577	ng	98
25) Phenanthrene	17.124	178	8707	0.420	ng	100
26) Anthracene	17.211	178	7816	0.418	ng	99
28) Fluoranthene	19.141	202	10630	0.456	ng	99
30) Pyrene	19.508	202	11422	0.375	ng	100
32) Benzo(a)anthracene	21.259	228	9428	0.435	ng	99
33) Chrysene	21.304	228	9967	0.421	ng	99
34) Bis(2-ethylhexyl)phtha...	21.196	149	9058	0.587	ng	# 99
36) Indeno(1,2,3-cd)pyrene	25.774	276	9689	0.449	ng	97
37) Benzo(b)fluoranthene	22.838	252	9273	0.426	ng	95
38) Benzo(k)fluoranthene	22.885	252	9448	0.414	ng	94
39) Benzo(a)pyrene	23.414	252	8394	0.458	ng	# 90
40) Dibenzo(a,h)anthracene	25.791	278	7268	0.432	ng	91
41) Benzo(g,h,i)perylene	26.466	276	7744	0.403	ng	98

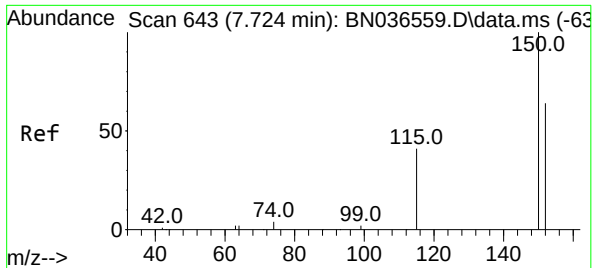
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN040725\
Data File : BN036852.D
Acq On : 07 Apr 2025 14:18
Operator : RC/JU
Sample : Q1736-02MSD
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
GST2MSD

Quant Time: Apr 07 15:12:38 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN031025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Apr 04 17:30:43 2025
Response via : Initial Calibration

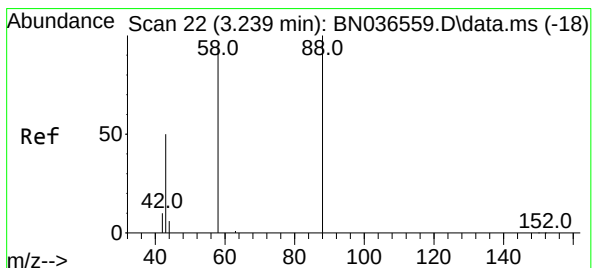
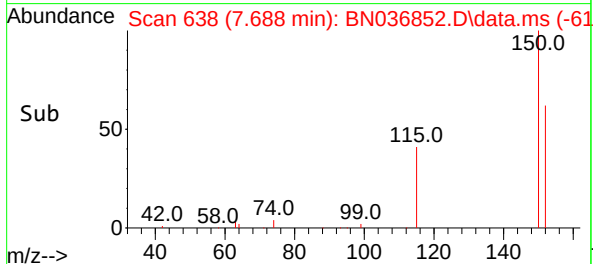
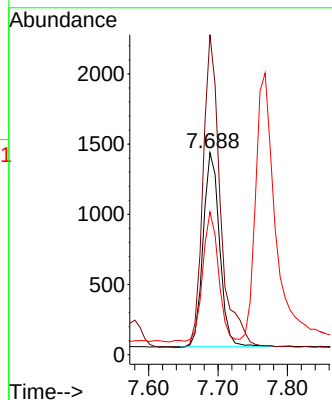
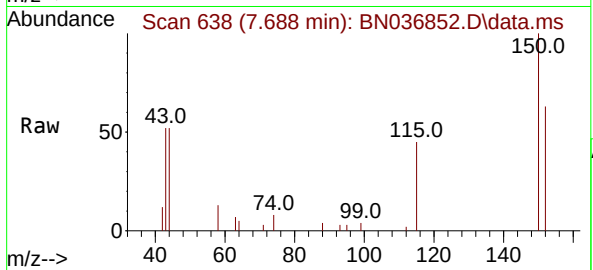




#1
 1,4-Dichlorobenzene-d4
 Concen: 0.400 ng
 RT: 7.688 min Scan# 61
 Delta R.T. 0.000 min
 Lab File: BN036852.D
 Acq: 07 Apr 2025 14:18

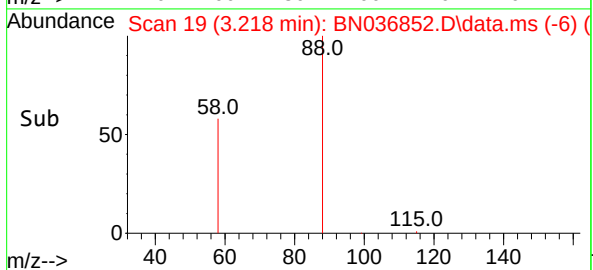
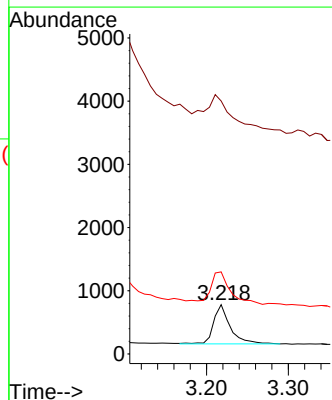
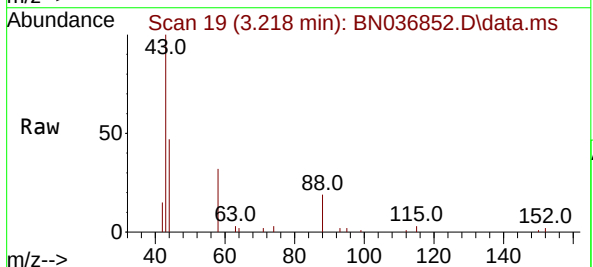
Instrument :
 BNA_N
 ClientSampleId :
 GST2MSD

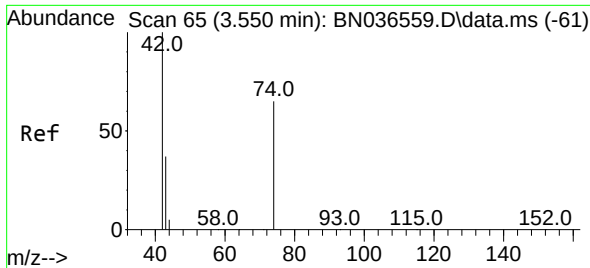
Tgt Ion:152 Resp: 2270
 Ion Ratio Lower Upper
 152 100
 150 158.5 123.7 185.5
 115 70.7 54.3 81.5



#2
 1,4-Dioxane
 Concen: 0.347 ng
 RT: 3.218 min Scan# 19
 Delta R.T. -0.007 min
 Lab File: BN036852.D
 Acq: 07 Apr 2025 14:18

Tgt Ion: 88 Resp: 873
 Ion Ratio Lower Upper
 88 100
 43 147.4 37.8 56.8#
 58 103.7 67.4 101.2#

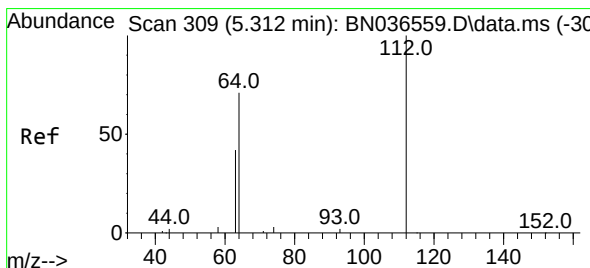
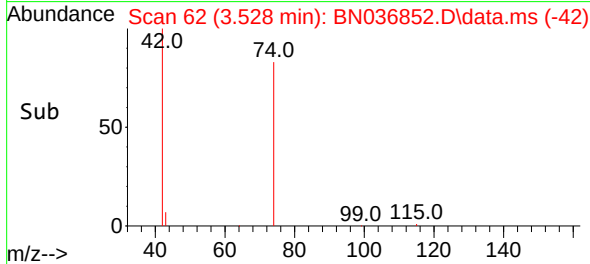
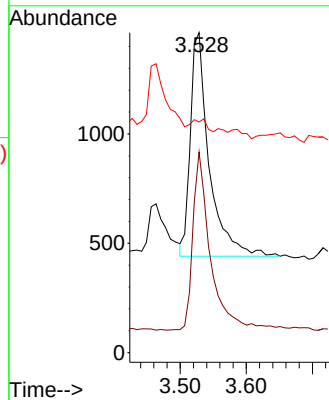
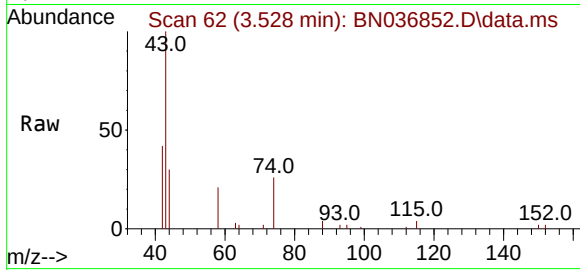




#3
n-Nitrosodimethylamine
Concen: 0.396 ng
RT: 3.528 min Scan# 61
Delta R.T. -0.007 min
Lab File: BN036852.D
Acq: 07 Apr 2025 14:18

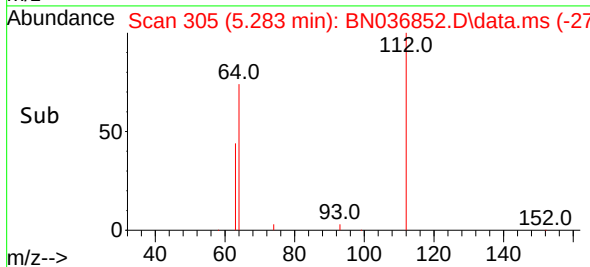
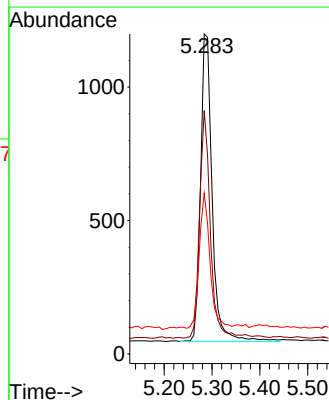
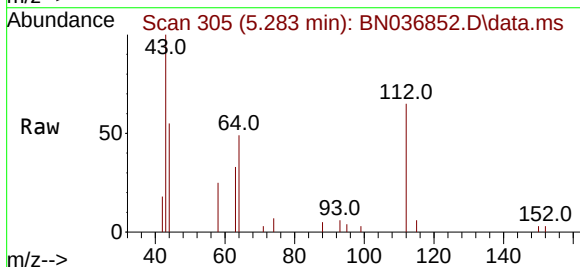
Instrument :
BNA_N
ClientSampleId :
GST2MSD

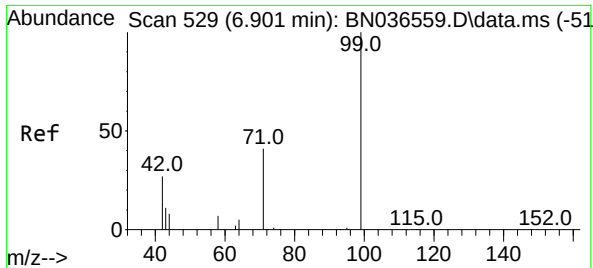
Tgt Ion: 42 Resp: 2017
Ion Ratio Lower Upper
42 100
74 75.4 60.6 90.8
44 3.7 6.3 9.5#



#4
2-Fluorophenol
Concen: 0.366 ng
RT: 5.283 min Scan# 305
Delta R.T. 0.000 min
Lab File: BN036852.D
Acq: 07 Apr 2025 14:18

Tgt Ion: 112 Resp: 1938
Ion Ratio Lower Upper
112 100
64 68.9 53.1 79.7
63 40.8 31.8 47.8

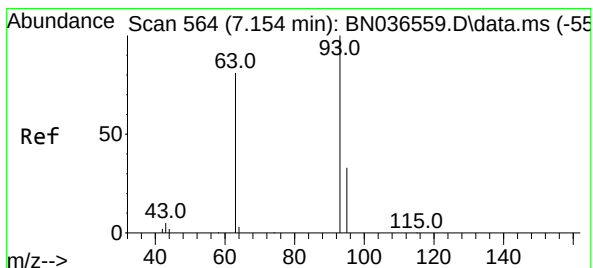
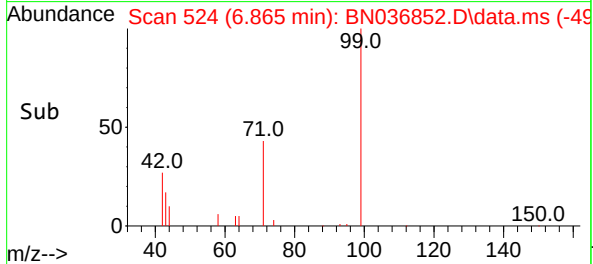
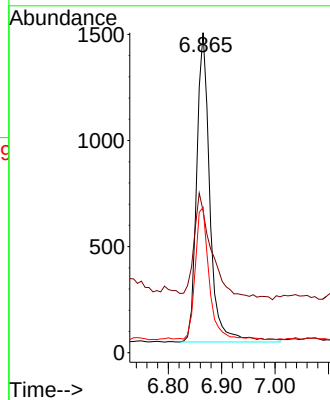
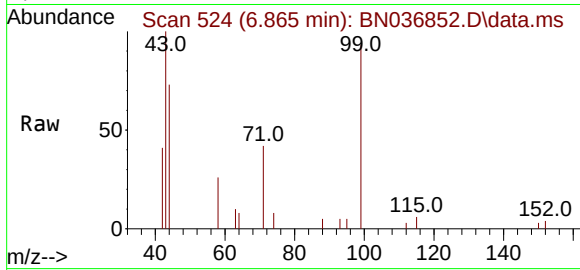




#5
Phenol-d6
Concen: 0.385 ng
RT: 6.865 min Scan# 51
Delta R.T. 0.000 min
Lab File: BN036852.D
Acq: 07 Apr 2025 14:18

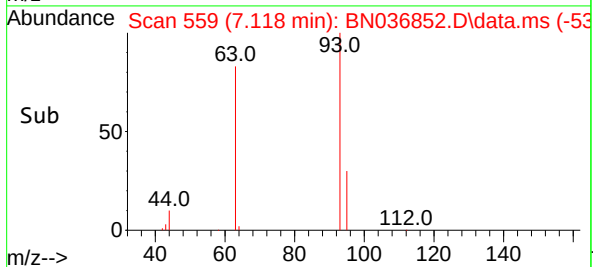
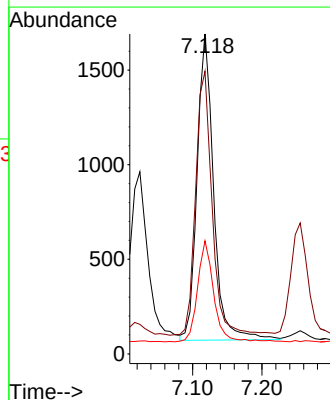
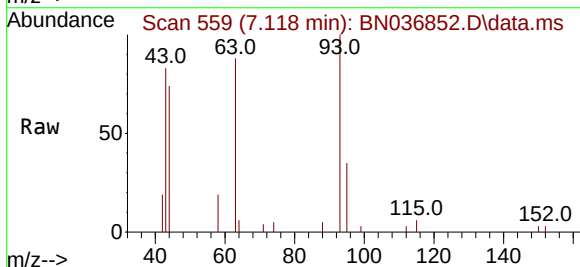
Instrument :
BNA_N
ClientSampleId :
GST2MSD

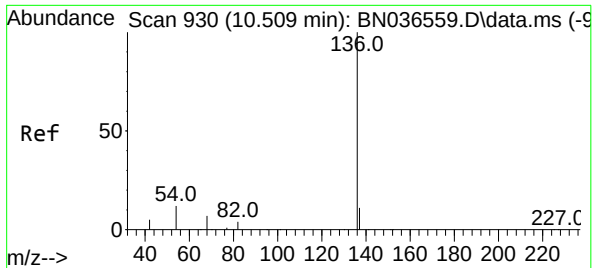
Tgt Ion: 99 Resp: 2517
Ion Ratio Lower Upper
99 100
42 48.0 26.5 39.7#
71 44.7 34.1 51.1



#6
bis(2-Chloroethyl)ether
Concen: 0.397 ng
RT: 7.118 min Scan# 559
Delta R.T. 0.000 min
Lab File: BN036852.D
Acq: 07 Apr 2025 14:18

Tgt Ion: 93 Resp: 2683
Ion Ratio Lower Upper
93 100
63 85.9 67.7 101.5
95 32.4 25.6 38.4

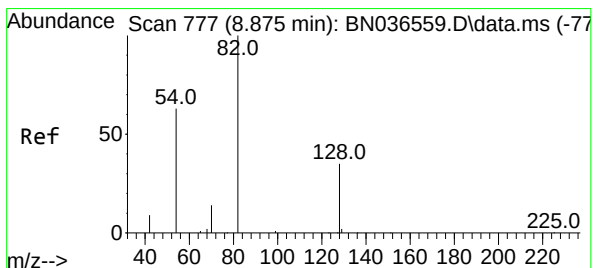
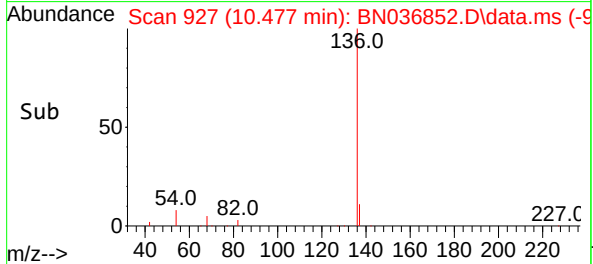
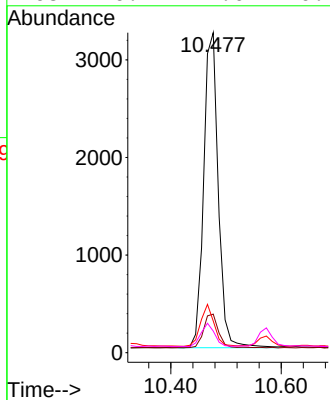
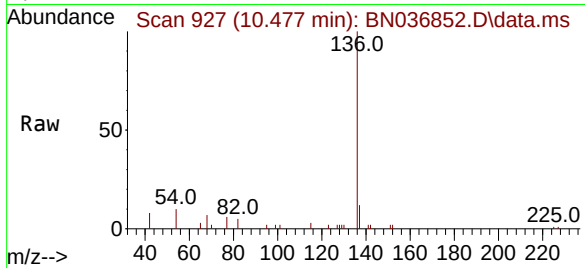




#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.477 min Scan# 91
Delta R.T. 0.000 min
Lab File: BN036852.D
Acq: 07 Apr 2025 14:18

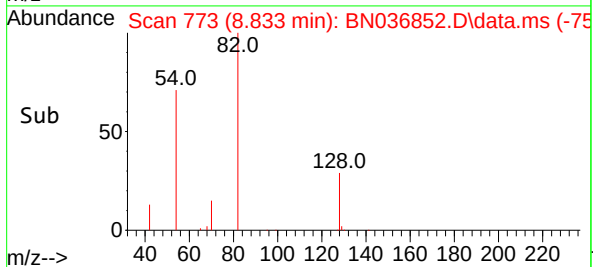
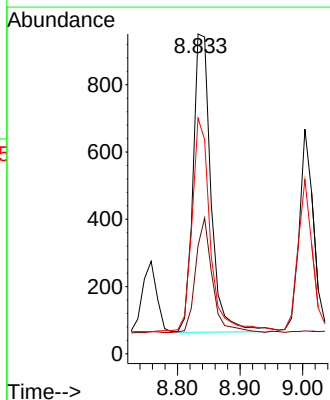
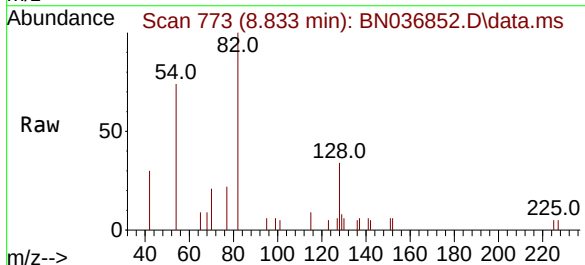
Instrument :
BNA_N
ClientSampleId :
GST2MSD

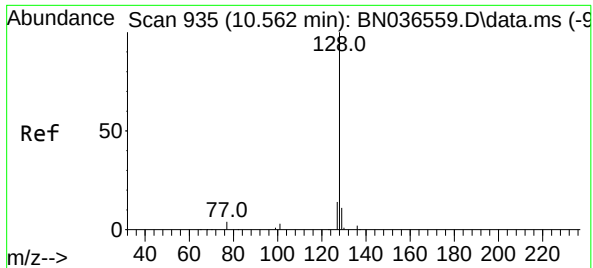
Tgt Ion:	136	Resp:	5950
Ion	Ratio	Lower	Upper
136	100		
137	12.0	10.3	15.5
54	9.9	11.5	17.3#
68	6.7	7.0	10.4#



#8
Nitrobenzene-d5
Concen: 0.275 ng
RT: 8.833 min Scan# 773
Delta R.T. -0.011 min
Lab File: BN036852.D
Acq: 07 Apr 2025 14:18

Tgt Ion:	82	Resp:	1777
Ion	Ratio	Lower	Upper
82	100		
128	33.8	30.6	45.8
54	73.7	52.2	78.4

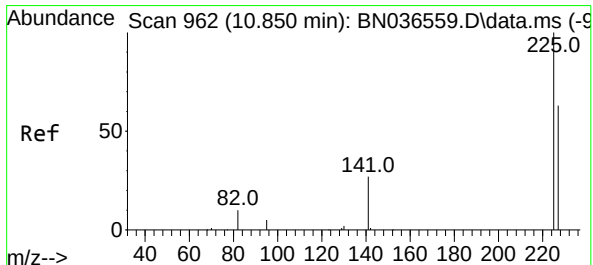
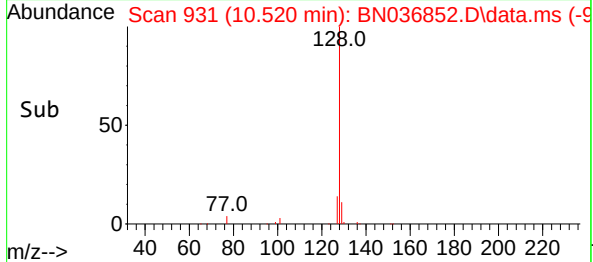
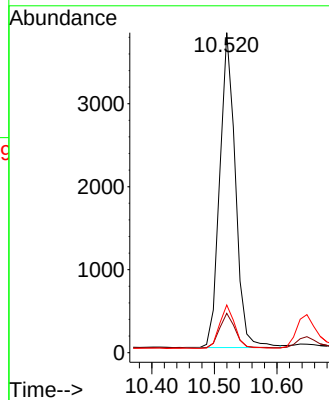
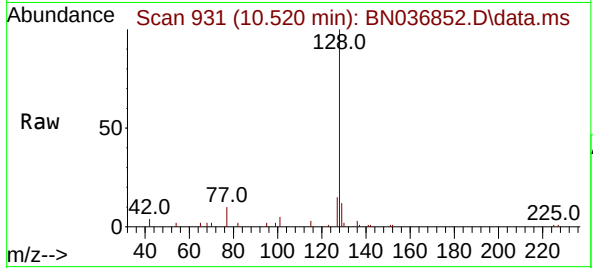




#9
Naphthalene
Concen: 0.377 ng
RT: 10.520 min Scan# 91
Delta R.T. 0.000 min
Lab File: BN036852.D
Acq: 07 Apr 2025 14:18

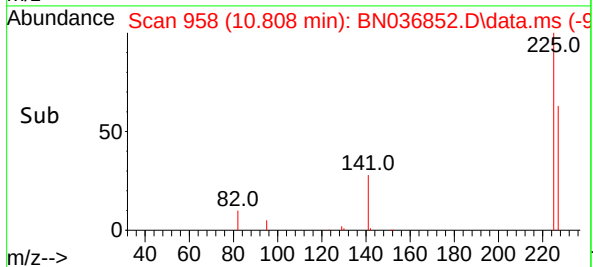
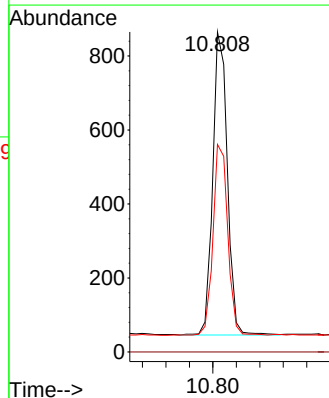
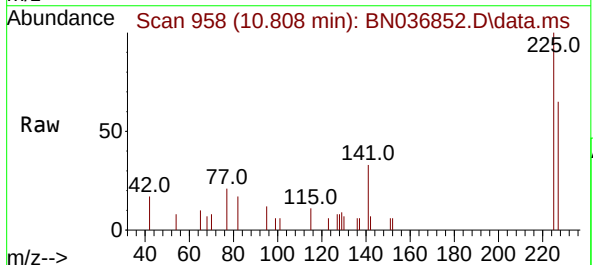
Instrument :
BNA_N
ClientSampleId :
GST2MSD

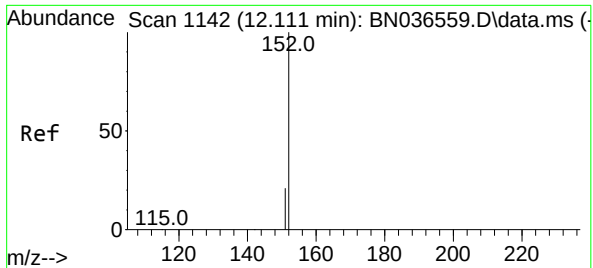
Tgt Ion:128 Resp: 6590
Ion Ratio Lower Upper
128 100
129 12.3 9.8 14.6
127 14.9 11.8 17.8



#10
Hexachlorobutadiene
Concen: 0.342 ng
RT: 10.808 min Scan# 958
Delta R.T. -0.011 min
Lab File: BN036852.D
Acq: 07 Apr 2025 14:18

Tgt Ion:225 Resp: 1408
Ion Ratio Lower Upper
225 100
223 0.0 0.0 0.0
227 64.1 51.8 77.8

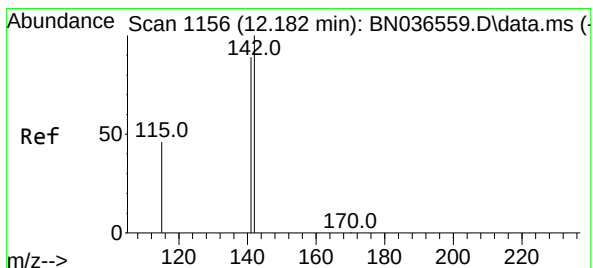
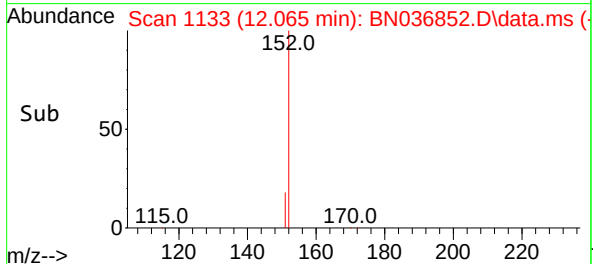
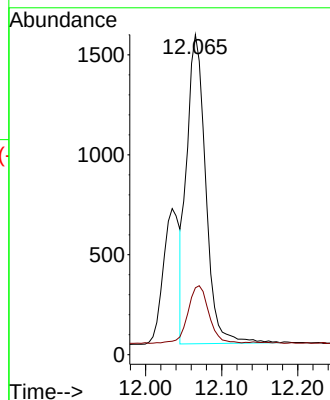
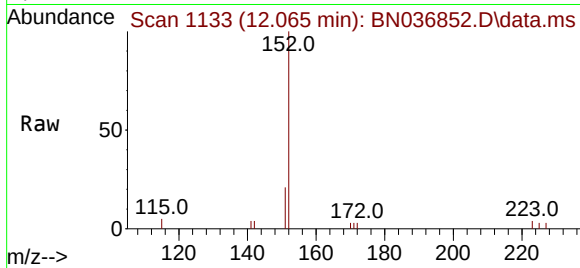




#11
2-Methylnaphthalene-d10
Concen: 0.301 ng
RT: 12.065 min Scan# 1142
Delta R.T. -0.005 min
Lab File: BN036852.D
Acq: 07 Apr 2025 14:18

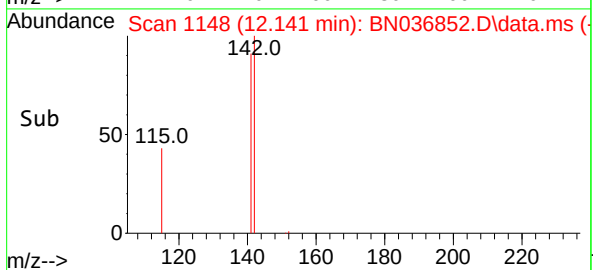
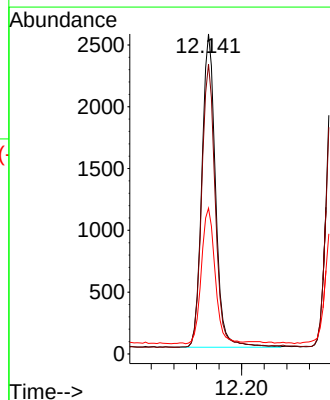
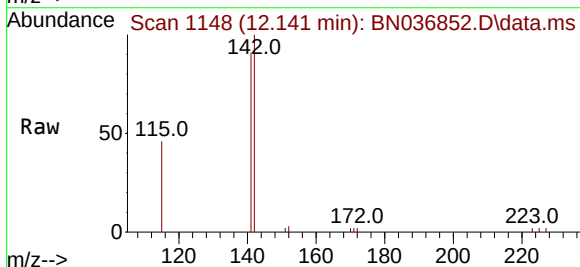
Instrument :
BNA_N
ClientSampleId :
GST2MSD

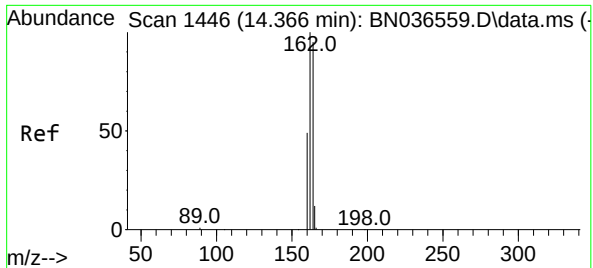
Tgt Ion:152 Resp: 2666
Ion Ratio Lower Upper
152 100
151 20.8 17.0 25.6



#12
2-Methylnaphthalene
Concen: 0.381 ng
RT: 12.141 min Scan# 1148
Delta R.T. -0.005 min
Lab File: BN036852.D
Acq: 07 Apr 2025 14:18

Tgt Ion:142 Resp: 4248
Ion Ratio Lower Upper
142 100
141 90.6 71.7 107.5
115 45.5 38.3 57.5

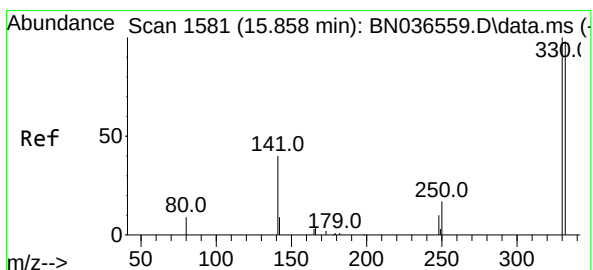
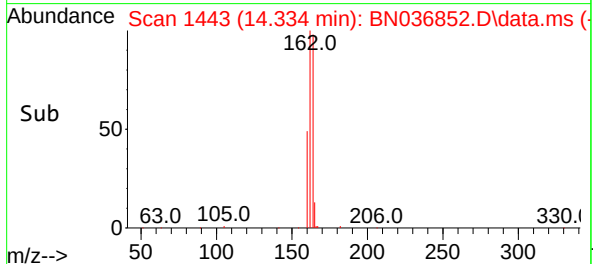
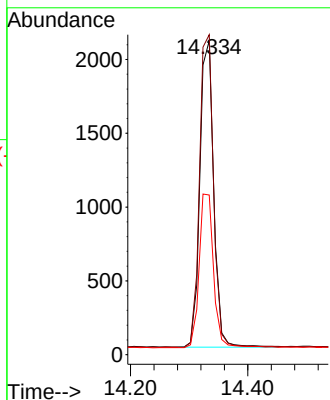
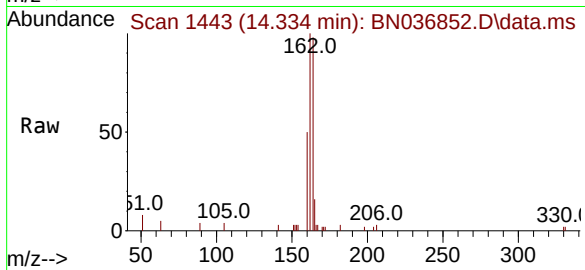




#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.334 min Scan# 1446
Delta R.T. 0.000 min
Lab File: BN036852.D
Acq: 07 Apr 2025 14:18

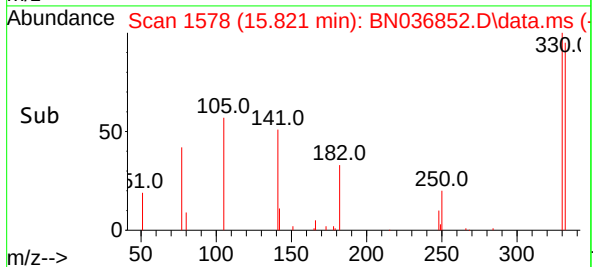
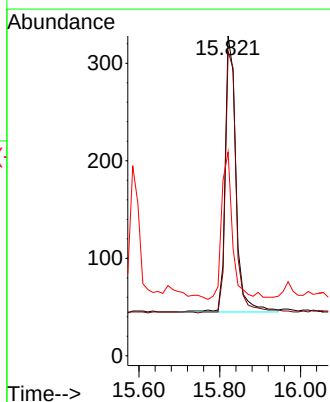
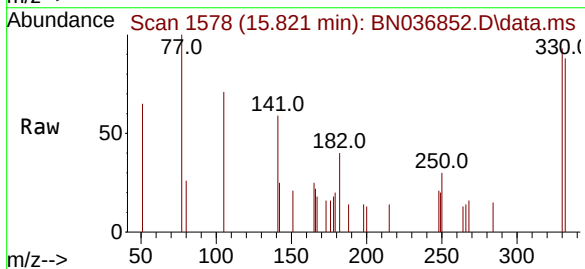
Instrument :
BNA_N
ClientSampleId :
GST2MSD

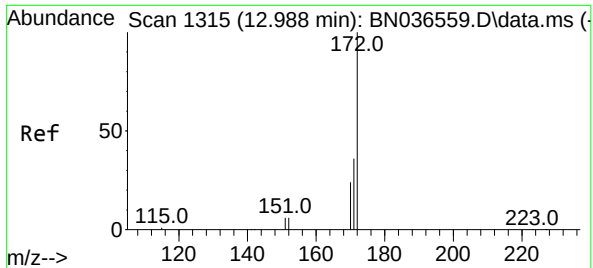
Tgt Ion:164 Resp: 3412
Ion Ratio Lower Upper
164 100
162 101.9 84.2 126.2
160 50.8 42.2 63.2



#14
2,4,6-Tribromophenol
Concen: 0.339 ng
RT: 15.821 min Scan# 1578
Delta R.T. -0.012 min
Lab File: BN036852.D
Acq: 07 Apr 2025 14:18

Tgt Ion:330 Resp: 525
Ion Ratio Lower Upper
330 100
332 95.8 75.2 112.8
141 53.0 43.4 65.2

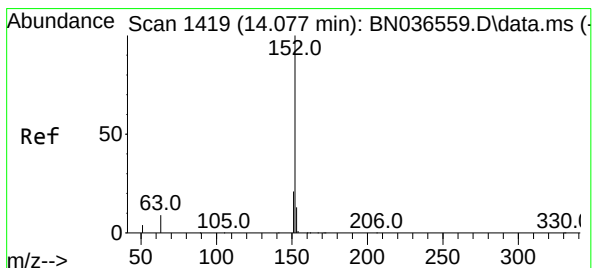
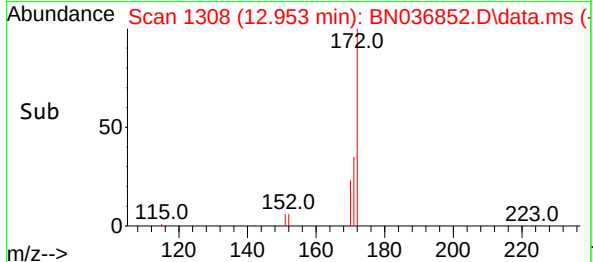
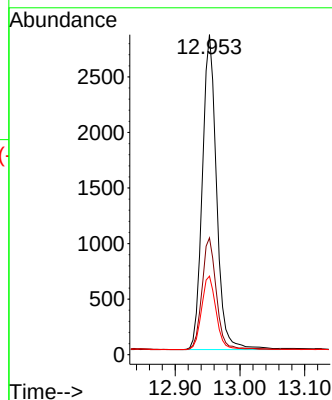
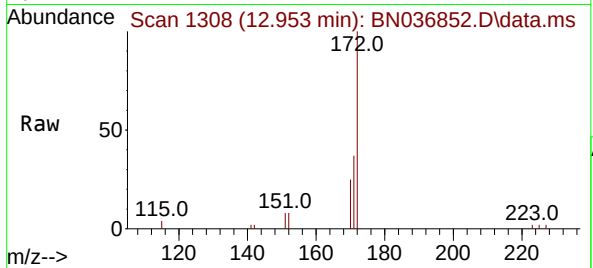




#15
2-Fluorobiphenyl
Concen: 0.265 ng
RT: 12.953 min Scan# 11
Delta R.T. -0.005 min
Lab File: BN036852.D
Acq: 07 Apr 2025 14:18

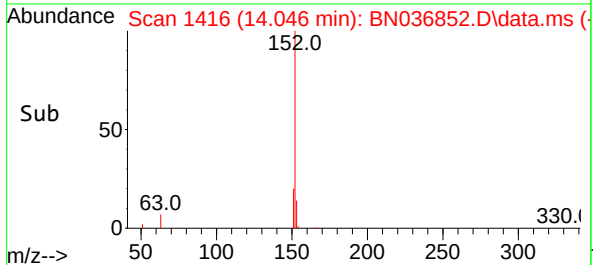
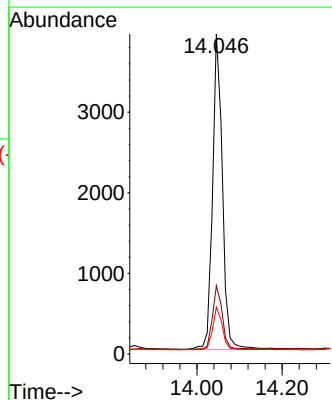
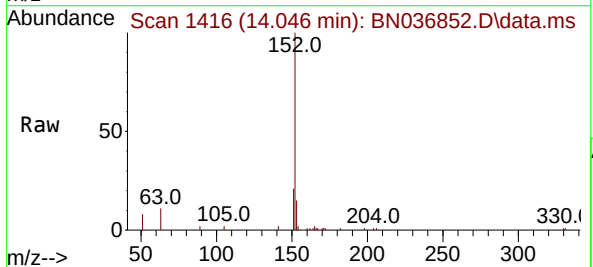
Instrument :
BNA_N
ClientSampleId :
GST2MSD

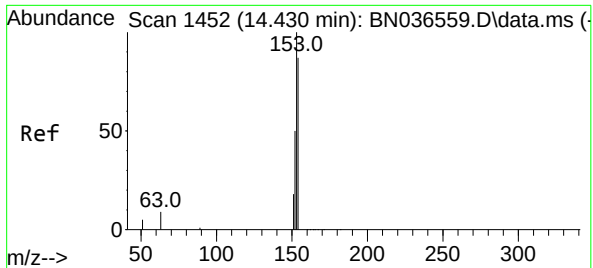
Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.5	29.5	44.3
170	24.5	20.2	30.4



#16
Acenaphthylene
Concen: 0.390 ng
RT: 14.046 min Scan# 1416
Delta R.T. 0.000 min
Lab File: BN036852.D
Acq: 07 Apr 2025 14:18

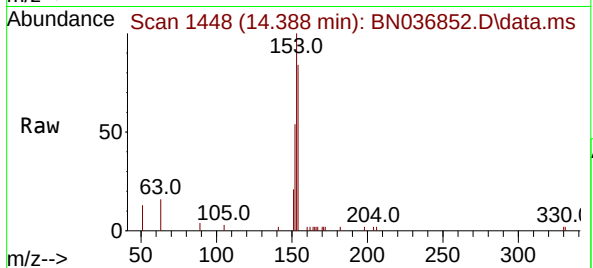
Tgt Ion	Ratio	Lower	Upper
152	100		
151	20.1	16.2	24.4
153	13.3	10.6	15.8



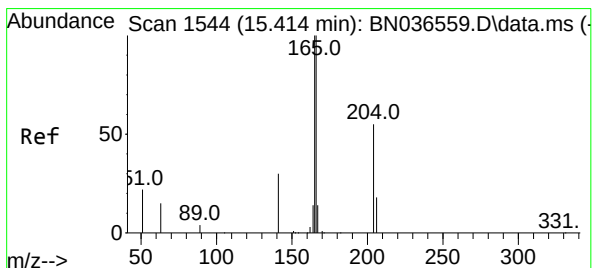
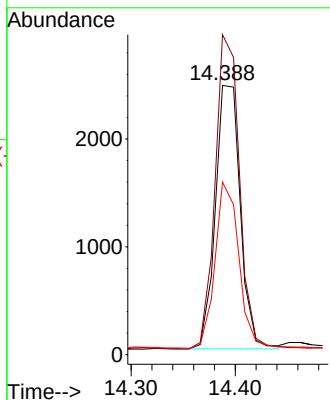
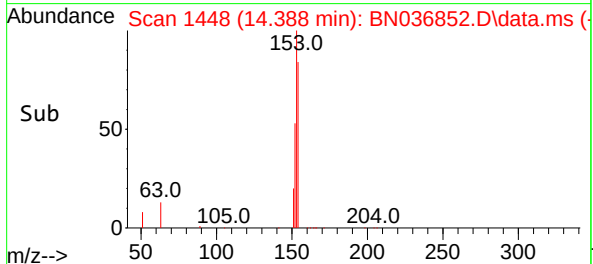


#17
Acenaphthene
Concen: 0.385 ng
RT: 14.388 min Scan# 1448
Delta R.T. -0.011 min
Lab File: BN036852.D
Acq: 07 Apr 2025 14:18

Instrument :
BNA_N
ClientSampleId :
GST2MSD

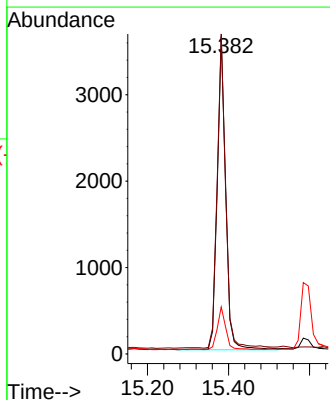
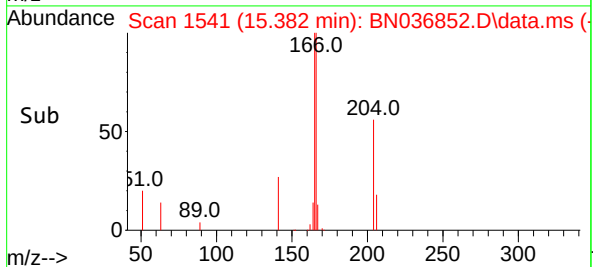
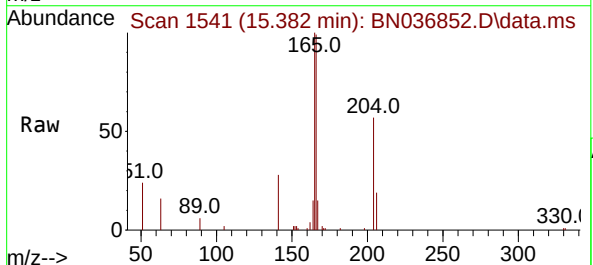


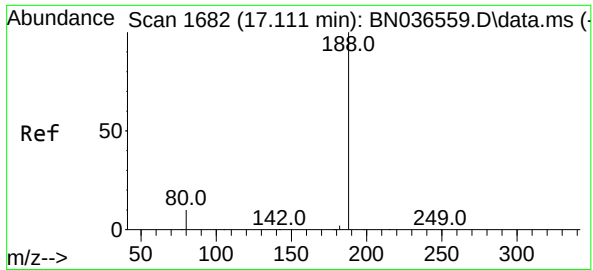
Tgt Ion:154 Resp: 4061
Ion Ratio Lower Upper
154 100
153 117.0 94.1 141.1
152 60.8 49.8 74.6



#18
Fluorene
Concen: 0.373 ng
RT: 15.382 min Scan# 1541
Delta R.T. 0.000 min
Lab File: BN036852.D
Acq: 07 Apr 2025 14:18

Tgt Ion:166 Resp: 5318
Ion Ratio Lower Upper
166 100
165 99.4 79.8 119.8
167 13.5 10.6 15.8





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 17.074 min Scan# 1

Delta R.T. 0.000 min

Lab File: BN036852.D

Acq: 07 Apr 2025 14:18

Instrument :

BNA_N

ClientSampleId :

GST2MSD

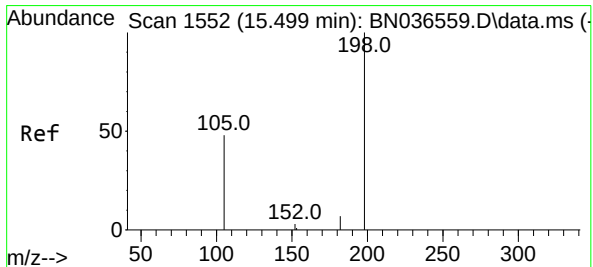
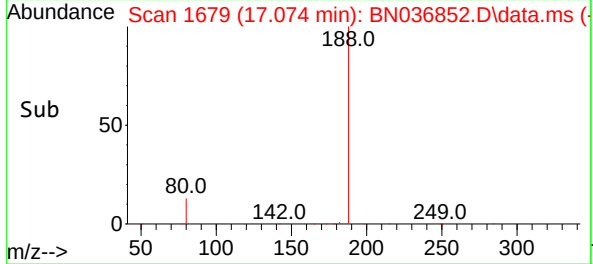
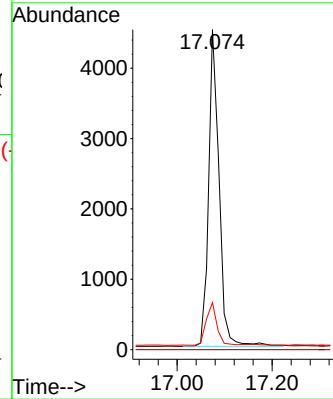
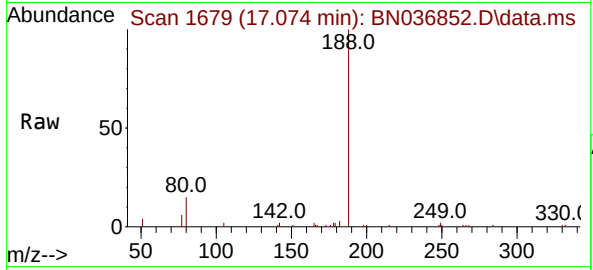
Tgt Ion:188 Resp: 6916

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

80 14.8 8.8 13.2#



#20

4,6-Dinitro-2-methylphenol

Concen: 0.409 ng

RT: 15.467 min Scan# 1549

Delta R.T. -0.011 min

Lab File: BN036852.D

Acq: 07 Apr 2025 14:18

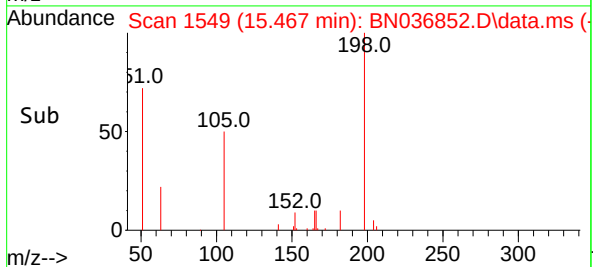
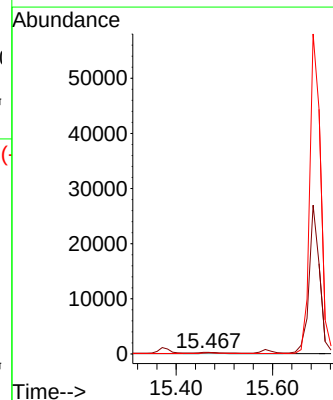
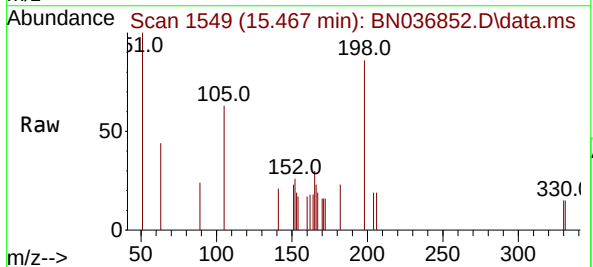
Tgt Ion:198 Resp: 464

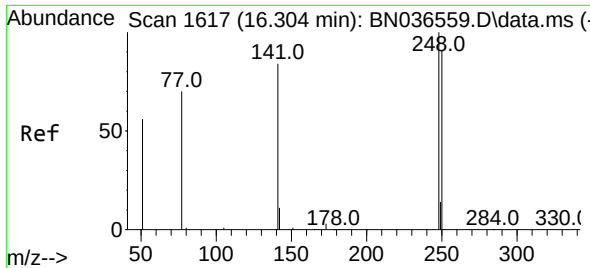
Ion Ratio Lower Upper

198 100

51 116.0 107.9 161.9

105 73.2 56.2 84.2

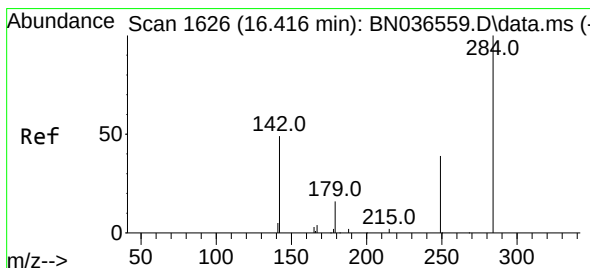
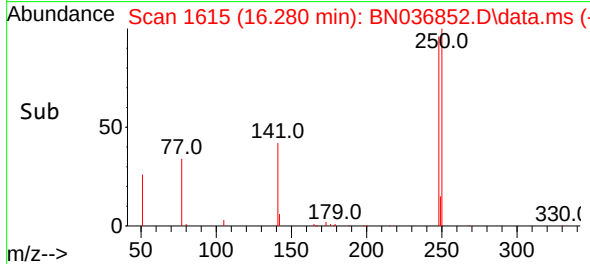
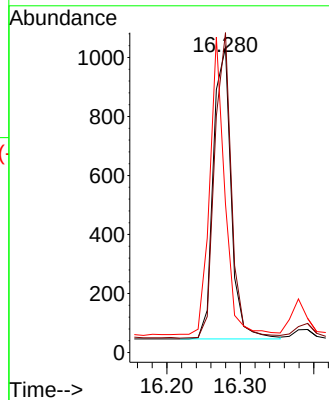
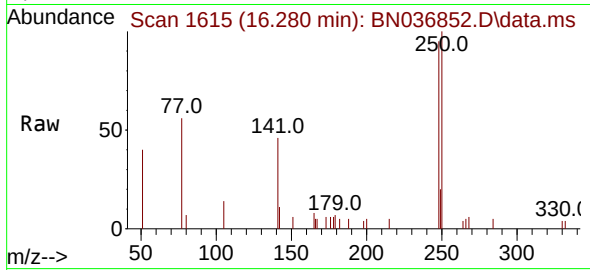




#21
4-Bromophenyl-phenylether
Concen: 0.385 ng
RT: 16.280 min Scan# 1615
Delta R.T. 0.000 min
Lab File: BN036852.D
Acq: 07 Apr 2025 14:18

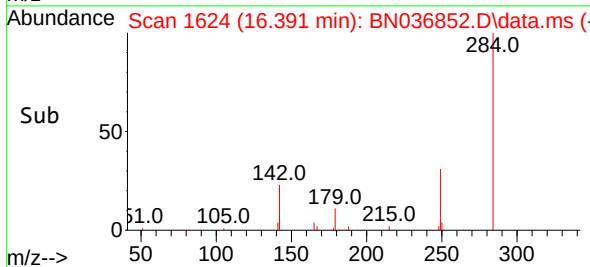
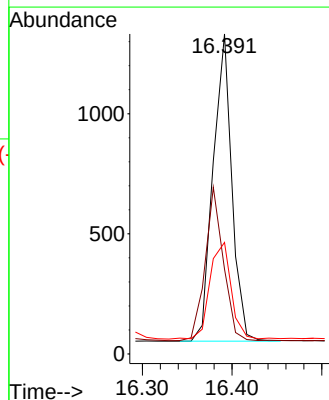
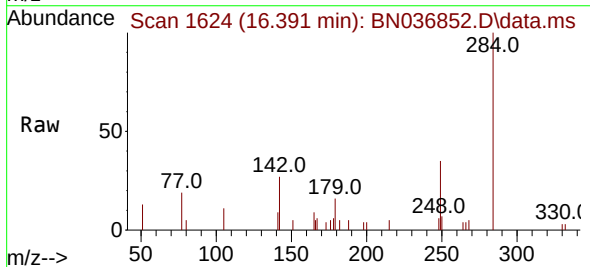
Instrument :
BNA_N
ClientSampleId :
GST2MSD

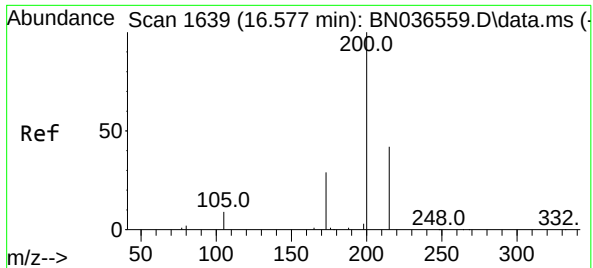
Tgt Ion:248 Resp: 1667
Ion Ratio Lower Upper
248 100
250 104.9 73.0 109.6
141 48.8 68.6 103.0#



#22
Hexachlorobenzene
Concen: 0.354 ng
RT: 16.391 min Scan# 1624
Delta R.T. 0.000 min
Lab File: BN036852.D
Acq: 07 Apr 2025 14:18

Tgt Ion:284 Resp: 1854
Ion Ratio Lower Upper
284 100
142 48.8 37.0 55.4
249 36.5 28.1 42.1

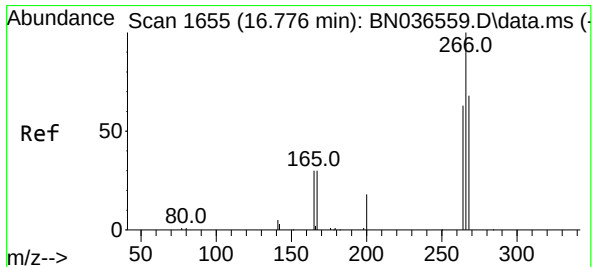
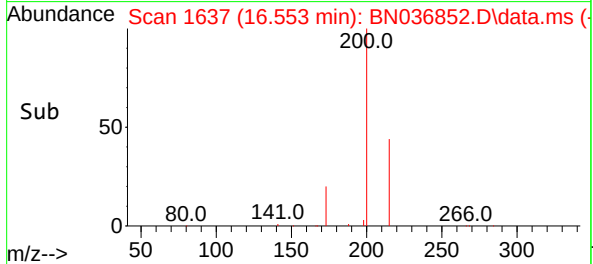
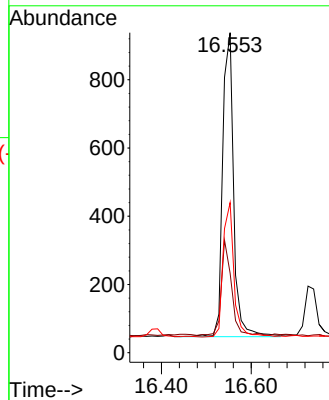
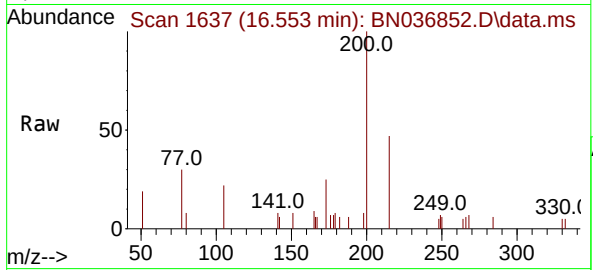




#23
Atrazine
Concen: 0.436 ng
RT: 16.553 min Scan# 1637
Delta R.T. 0.000 min
Lab File: BN036852.D
Acq: 07 Apr 2025 14:18

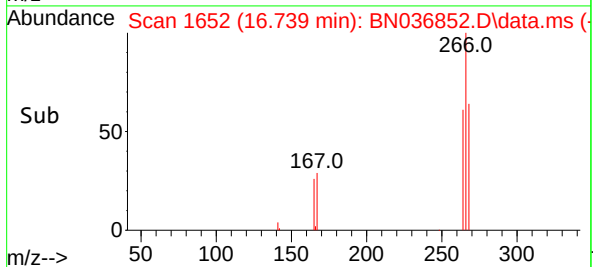
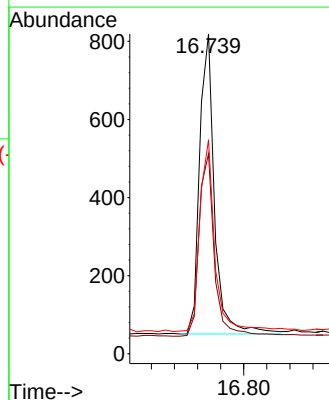
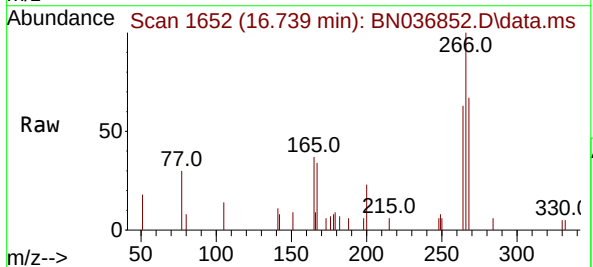
Instrument :
BNA_N
ClientSampleId :
GST2MSD

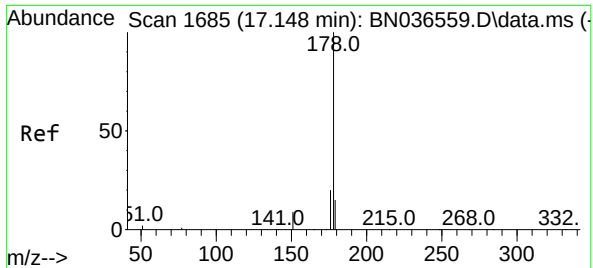
Tgt Ion:200 Resp: 1515
Ion Ratio Lower Upper
200 100
173 24.8 27.3 40.9#
215 46.9 36.8 55.2



#24
Pentachlorophenol
Concen: 0.577 ng
RT: 16.739 min Scan# 1652
Delta R.T. 0.000 min
Lab File: BN036852.D
Acq: 07 Apr 2025 14:18

Tgt Ion:266 Resp: 1377
Ion Ratio Lower Upper
266 100
264 62.7 49.6 74.4
268 65.4 50.9 76.3

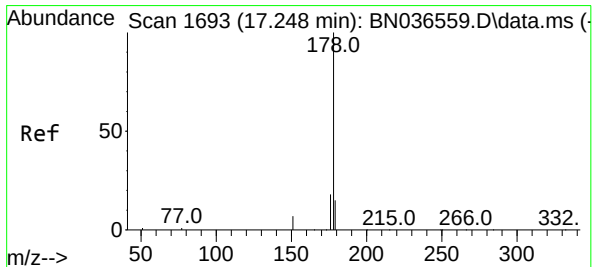
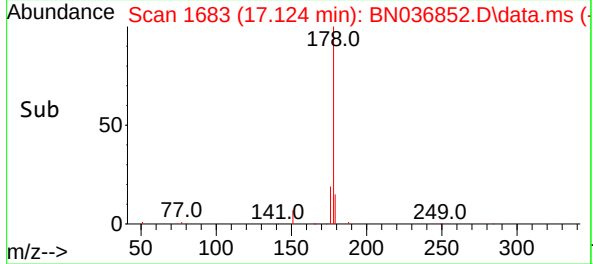
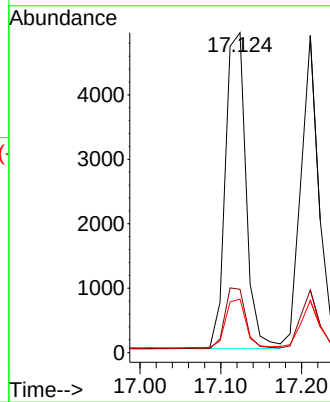
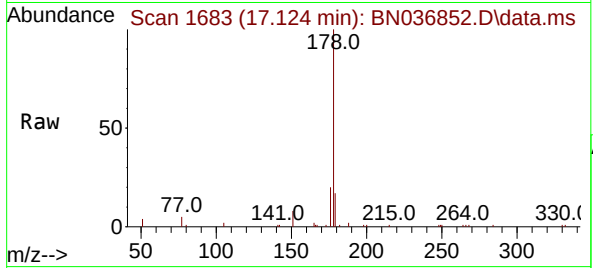




#25
Phenanthrene
Concen: 0.420 ng
RT: 17.124 min Scan# 1683
Delta R.T. 0.000 min
Lab File: BN036852.D
Acq: 07 Apr 2025 14:18

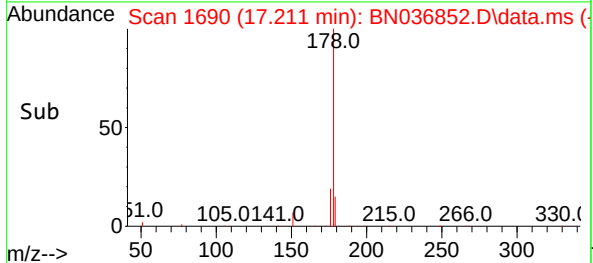
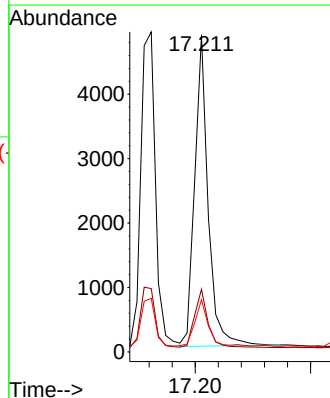
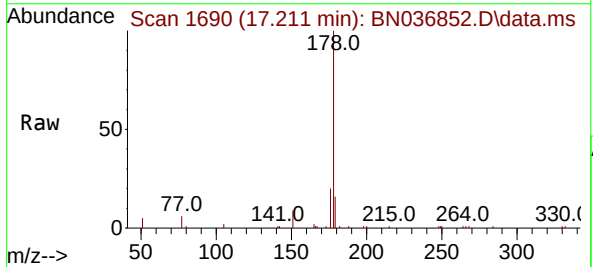
Instrument :
BNA_N
ClientSampleId :
GST2MSD

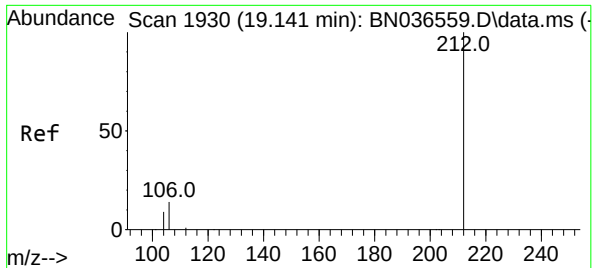
Tgt Ion:178 Resp: 8707
Ion Ratio Lower Upper
178 100
176 19.7 15.9 23.9
179 15.5 12.2 18.4



#26
Anthracene
Concen: 0.418 ng
RT: 17.211 min Scan# 1690
Delta R.T. 0.000 min
Lab File: BN036852.D
Acq: 07 Apr 2025 14:18

Tgt Ion:178 Resp: 7816
Ion Ratio Lower Upper
178 100
176 18.9 15.4 23.2
179 16.0 12.6 18.8





#27

Fluoranthene-d10

Concen: 0.336 ng

RT: 19.113 min Scan# 1913

Delta R.T. 0.000 min

Lab File: BN036852.D

Acq: 07 Apr 2025 14:18

Instrument :

BNA_N

ClientSampleId :

GST2MSD

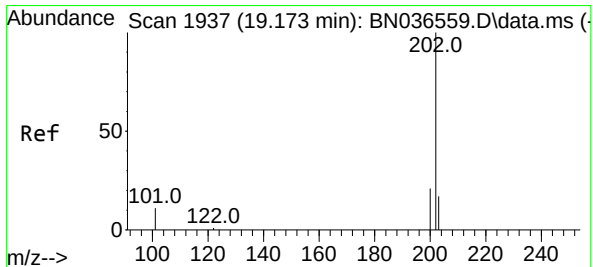
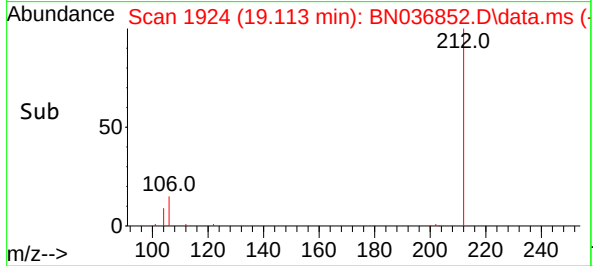
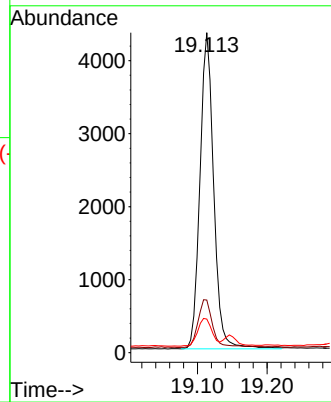
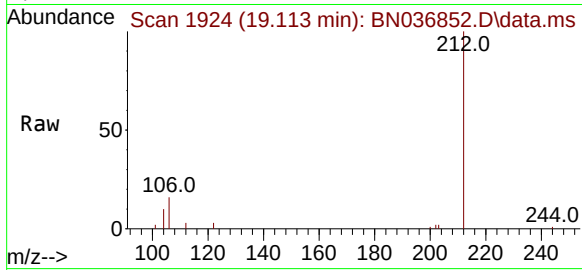
Tgt Ion:212 Resp: 5957

Ion Ratio Lower Upper

212 100

106 16.1 11.8 17.6

104 9.1 7.3 10.9



#28

Fluoranthene

Concen: 0.456 ng

RT: 19.141 min Scan# 1930

Delta R.T. 0.000 min

Lab File: BN036852.D

Acq: 07 Apr 2025 14:18

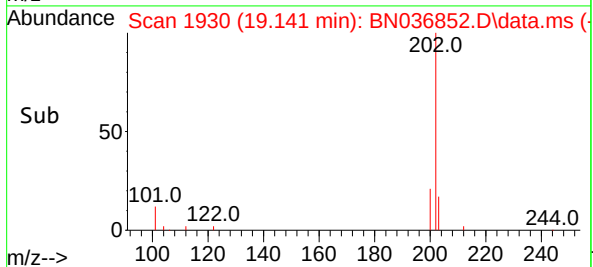
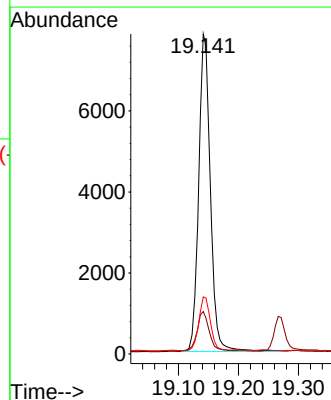
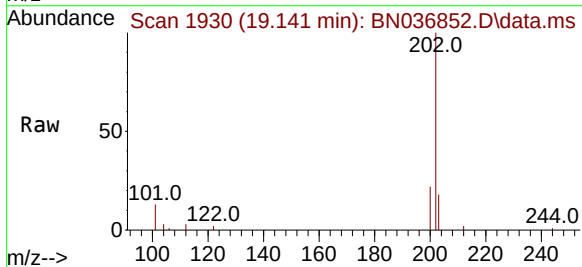
Tgt Ion:202 Resp: 10630

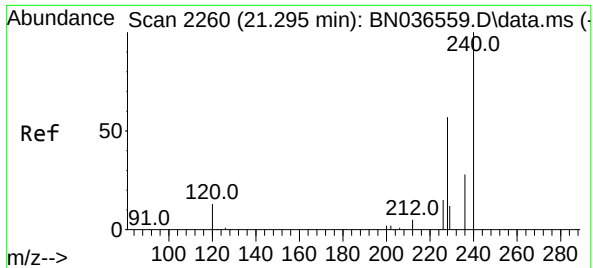
Ion Ratio Lower Upper

202 100

101 12.8 9.4 14.0

203 16.8 13.5 20.3





#29

Chrysene-d12

Concen: 0.400 ng

RT: 21.268 min Scan# 21

Delta R.T. 0.000 min

Lab File: BN036852.D

Acq: 07 Apr 2025 14:18

Instrument :

BNA_N

ClientSampleId :

GST2MSD

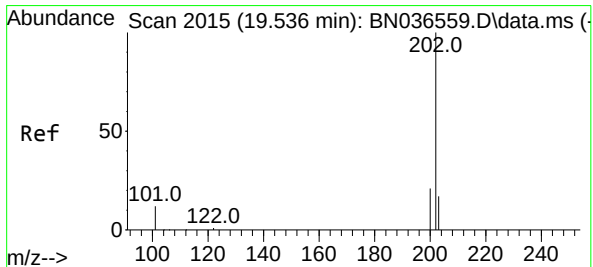
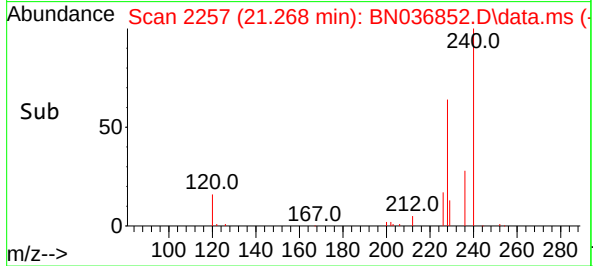
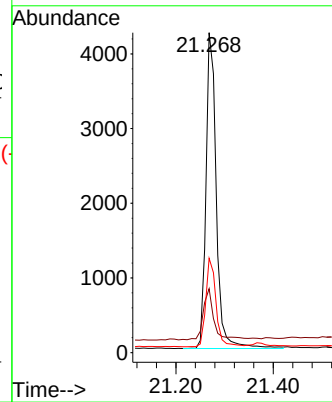
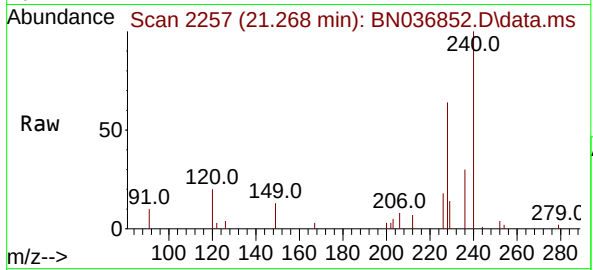
Tgt Ion:240 Resp: 6228

Ion Ratio Lower Upper

240 100

120 20.0 14.6 22.0

236 29.5 24.1 36.1



#30

Pyrene

Concen: 0.375 ng

RT: 19.508 min Scan# 2009

Delta R.T. 0.000 min

Lab File: BN036852.D

Acq: 07 Apr 2025 14:18

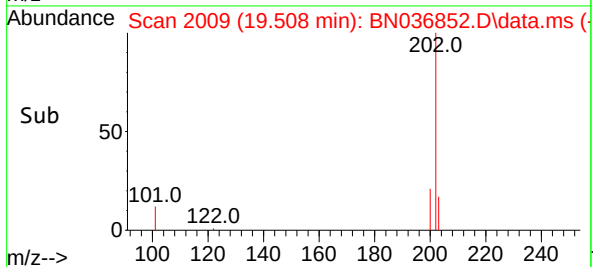
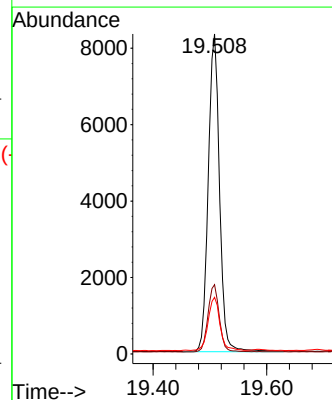
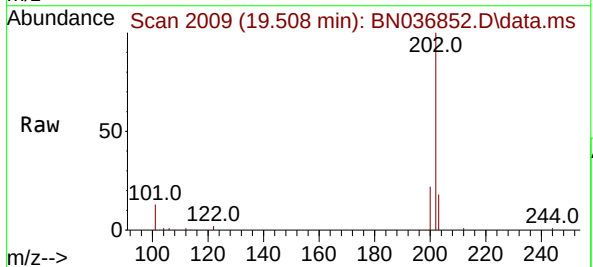
Tgt Ion:202 Resp: 11422

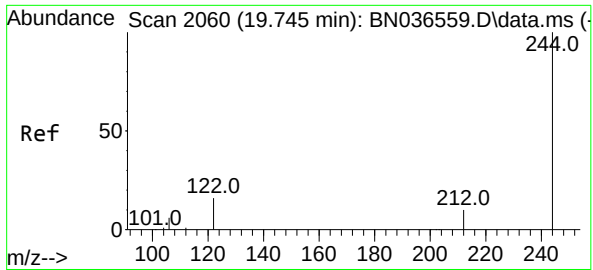
Ion Ratio Lower Upper

202 100

200 21.2 17.1 25.7

203 17.4 14.1 21.1

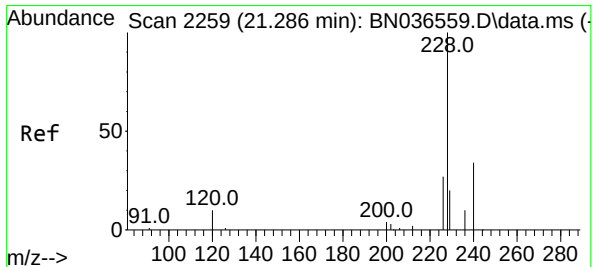
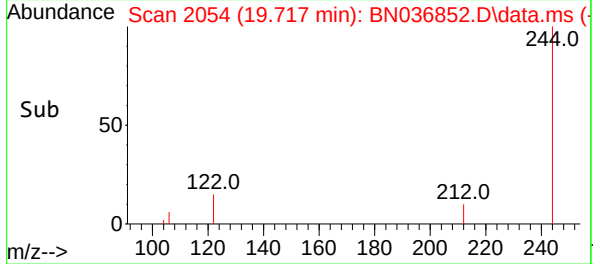
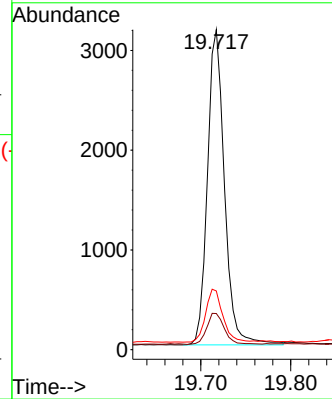
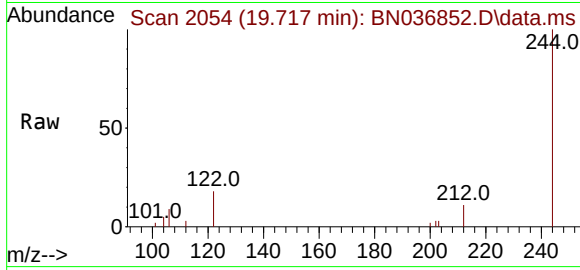




#31
Terphenyl-d14
Concen: 0.280 ng
RT: 19.717 min Scan# 2060
Delta R.T. 0.000 min
Lab File: BN036852.D
Acq: 07 Apr 2025 14:18

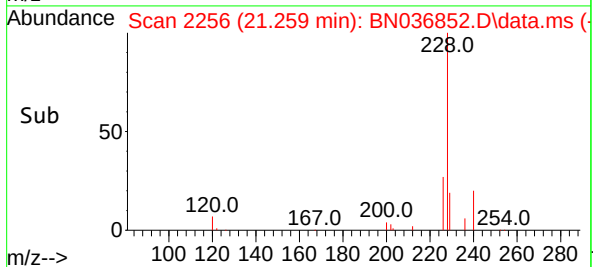
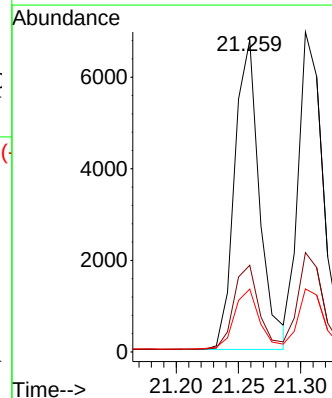
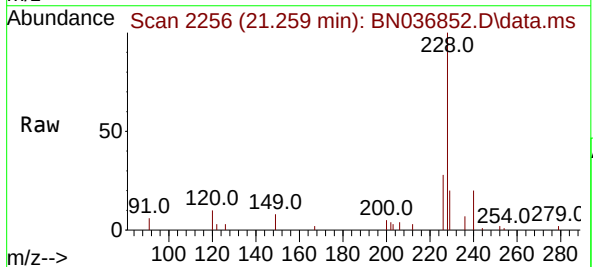
Instrument :
BNA_N
ClientSampleId :
GST2MSD

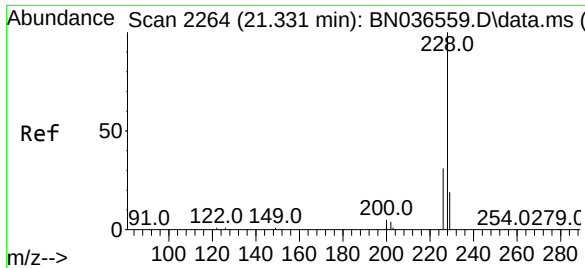
Tgt Ion:244 Resp: 4172
Ion Ratio Lower Upper
244 100
212 11.3 9.6 14.4
122 18.4 13.9 20.9



#32
Benzo(a)anthracene
Concen: 0.435 ng
RT: 21.259 min Scan# 2256
Delta R.T. 0.000 min
Lab File: BN036852.D
Acq: 07 Apr 2025 14:18

Tgt Ion:228 Resp: 9428
Ion Ratio Lower Upper
228 100
226 27.8 22.5 33.7
229 20.2 16.6 25.0

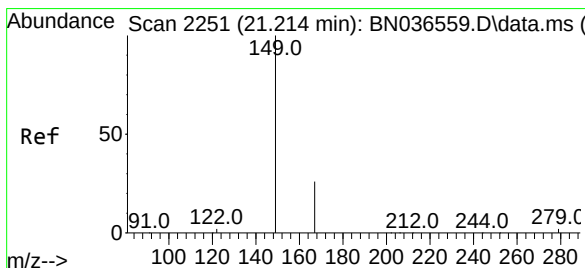
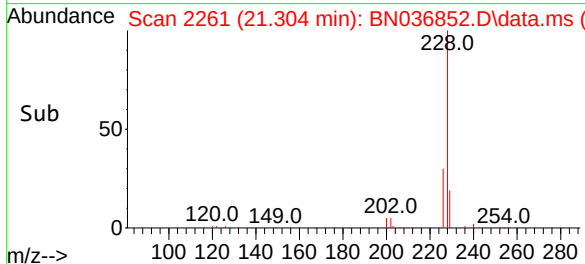
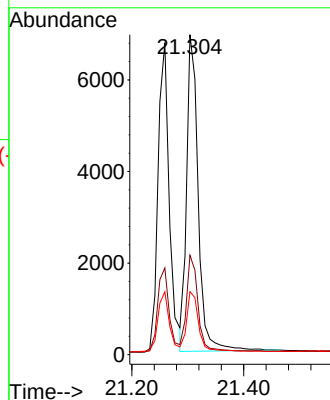
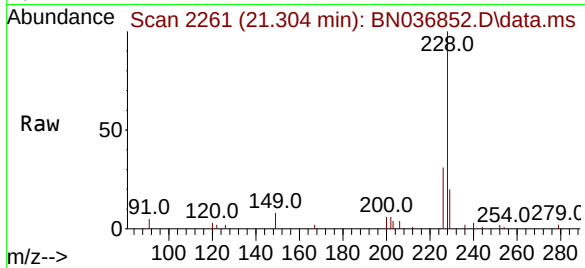




#33
Chrysene
Concen: 0.421 ng
RT: 21.304 min Scan# 21
Delta R.T. 0.000 min
Lab File: BN036852.D
Acq: 07 Apr 2025 14:18

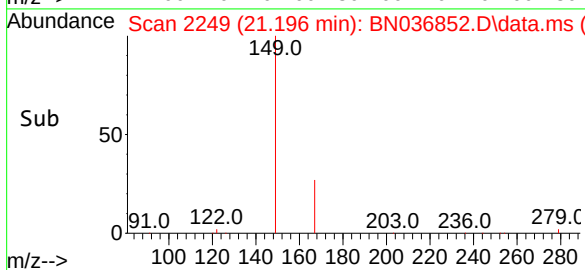
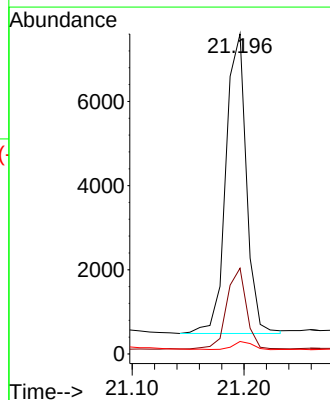
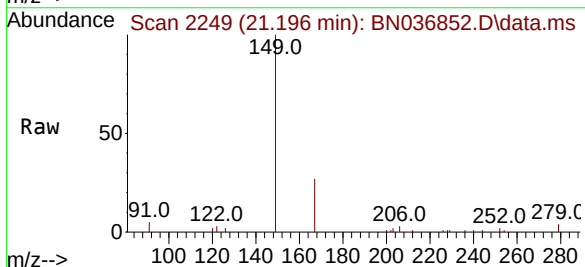
Instrument :
BNA_N
ClientSampleId :
GST2MSD

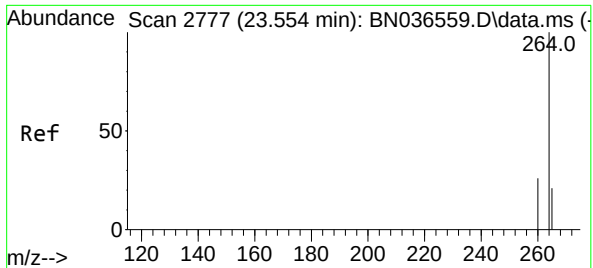
Tgt Ion	Ratio	Lower	Upper
228	100		
226	31.0	25.3	37.9
229	19.7	15.8	23.8



#34
Bis(2-ethylhexyl)phthalate
Concen: 0.587 ng
RT: 21.196 min Scan# 2249
Delta R.T. 0.009 min
Lab File: BN036852.D
Acq: 07 Apr 2025 14:18

Tgt Ion	Ratio	Lower	Upper
149	100		
167	25.7	20.7	31.1
279	2.4	3.6	5.4

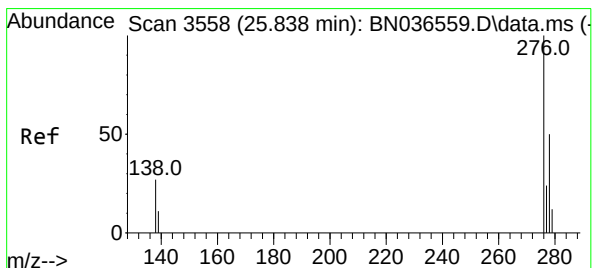
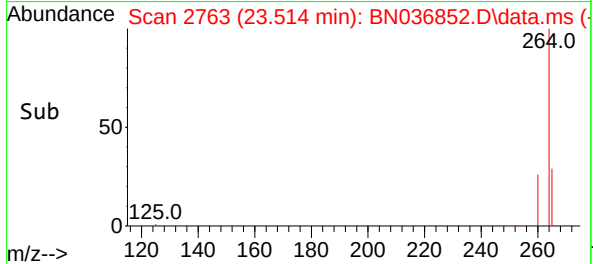
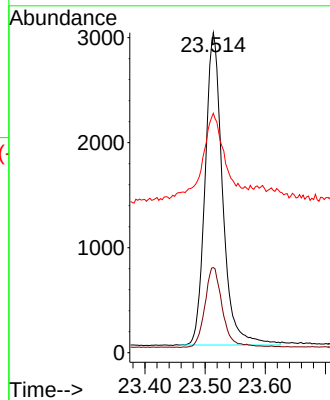
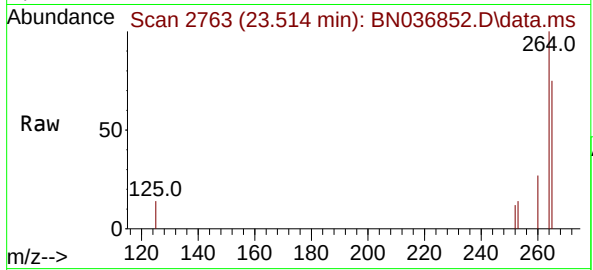




#35
Perylene-d12
Concen: 0.400 ng
RT: 23.514 min Scan# 21
Delta R.T. 0.003 min
Lab File: BN036852.D
Acq: 07 Apr 2025 14:18

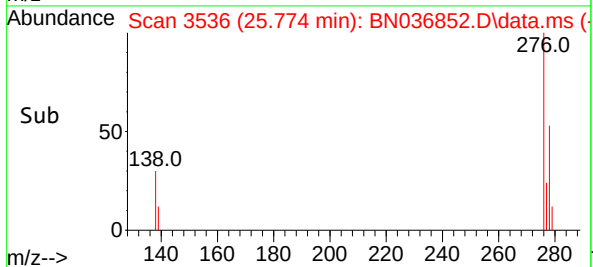
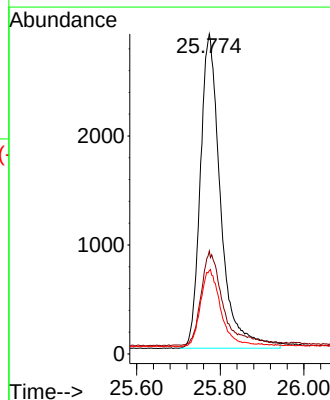
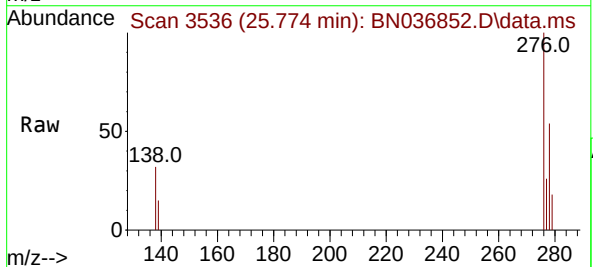
Instrument :
BNA_N
ClientSampleId :
GST2MSD

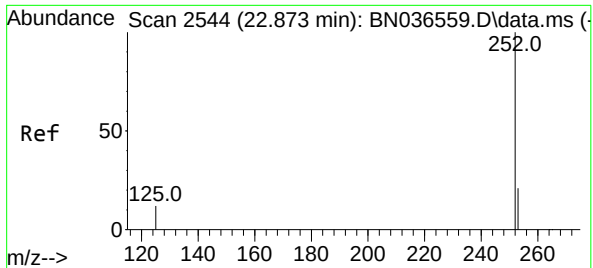
Tgt Ion:264 Resp: 5983
Ion Ratio Lower Upper
264 100
260 26.6 22.6 33.8
265 74.8 88.1 132.1#



#36
Indeno(1,2,3-cd)pyrene
Concen: 0.449 ng
RT: 25.774 min Scan# 3536
Delta R.T. 0.003 min
Lab File: BN036852.D
Acq: 07 Apr 2025 14:18

Tgt Ion:276 Resp: 9689
Ion Ratio Lower Upper
276 100
138 31.9 23.4 35.2
277 24.7 20.0 30.0

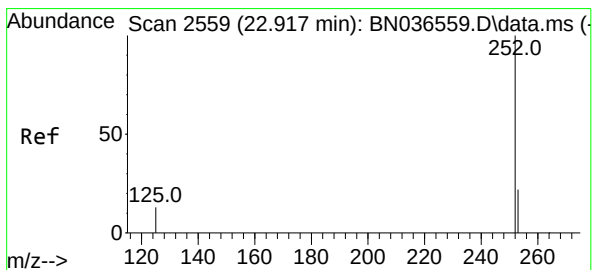
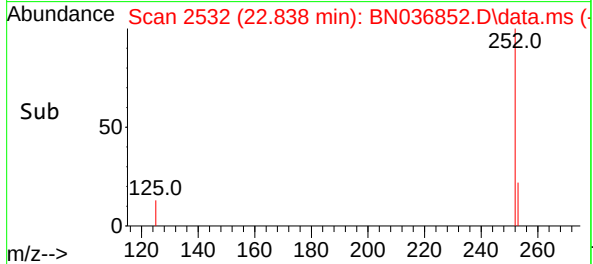
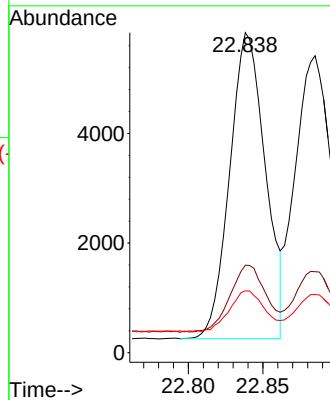
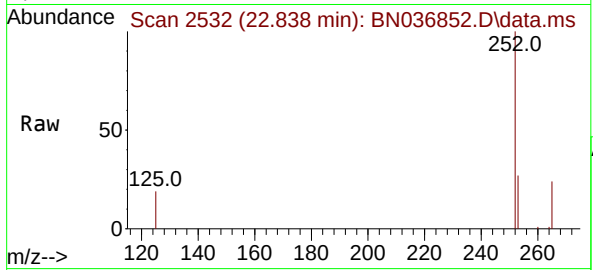




#37
Benzo(b)fluoranthene
Concen: 0.426 ng
RT: 22.838 min Scan# 2548
Delta R.T. 0.000 min
Lab File: BN036852.D
Acq: 07 Apr 2025 14:18

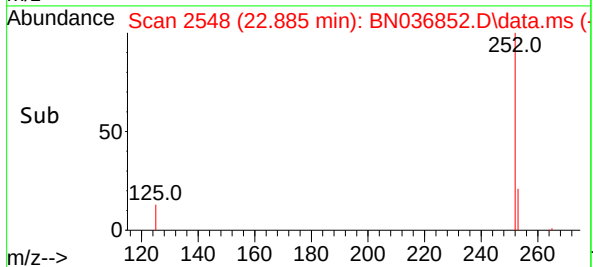
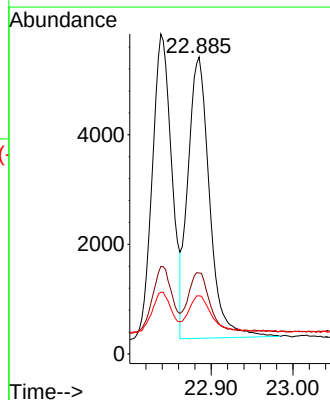
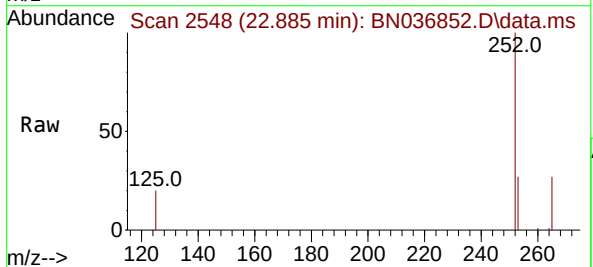
Instrument :
BNA_N
ClientSampleId :
GST2MSD

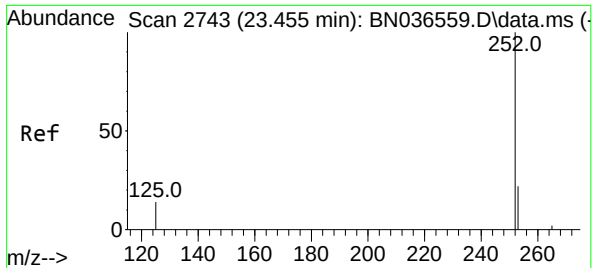
Tgt Ion:252 Resp: 9273
Ion Ratio Lower Upper
252 100
253 27.3 23.9 35.9
125 19.3 17.4 26.2



#38
Benzo(k)fluoranthene
Concen: 0.414 ng
RT: 22.885 min Scan# 2548
Delta R.T. 0.006 min
Lab File: BN036852.D
Acq: 07 Apr 2025 14:18

Tgt Ion:252 Resp: 9448
Ion Ratio Lower Upper
252 100
253 27.3 24.6 36.8
125 19.6 17.8 26.8





#39

Benzo(a)pyrene

Concen: 0.458 ng

RT: 23.414 min Scan# 21

Delta R.T. 0.003 min

Lab File: BN036852.D

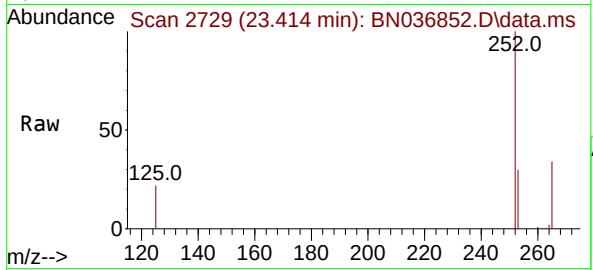
Acq: 07 Apr 2025 14:18

Instrument :

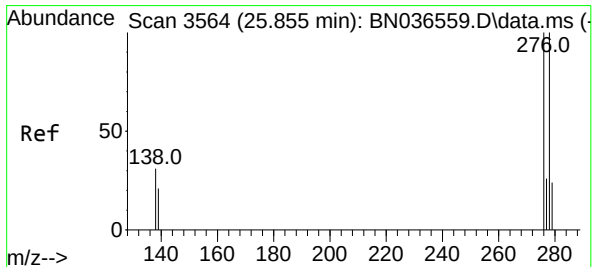
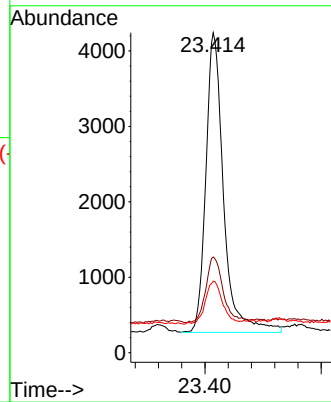
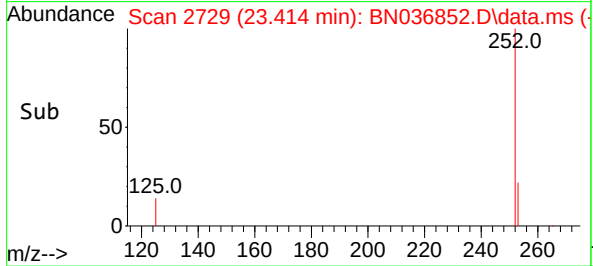
BNA_N

ClientSampleId :

GST2MSD



Tgt Ion:	252	Resp:	8394
Ion Ratio	Lower	Upper	
252	100		
253	29.9	27.8	41.8
125	22.3	22.7	34.1#



#40

Dibenzo(a,h)anthracene

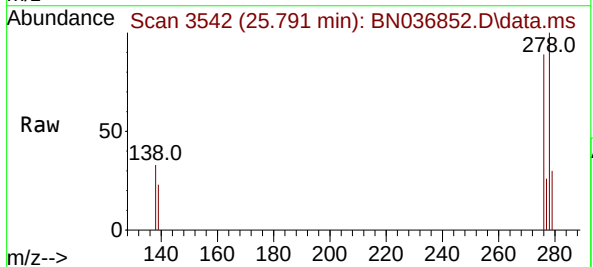
Concen: 0.432 ng

RT: 25.791 min Scan# 3542

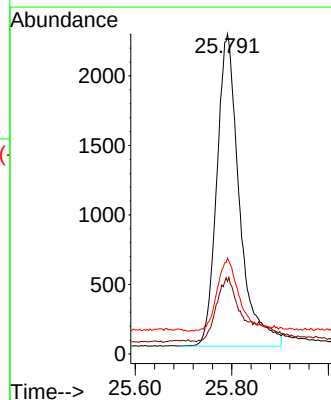
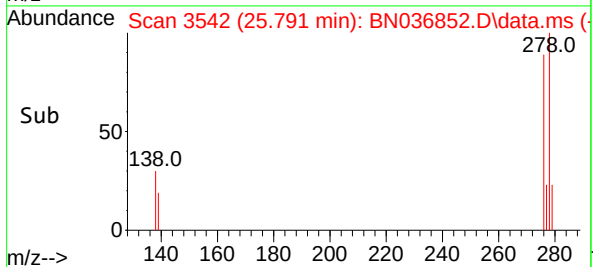
Delta R.T. 0.000 min

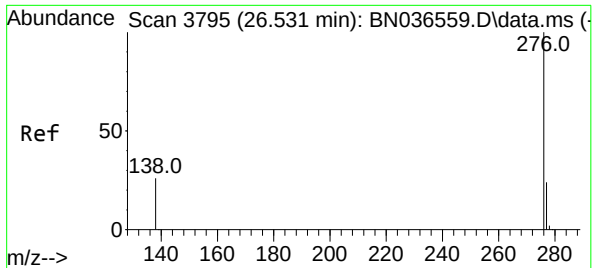
Lab File: BN036852.D

Acq: 07 Apr 2025 14:18



Tgt Ion:	278	Resp:	7268
Ion Ratio	Lower	Upper	
278	100		
139	22.7	20.8	31.2
279	30.0	28.8	43.2





#41

Benzo(g,h,i)perylene

Concen: 0.403 ng

RT: 26.466 min Scan# 31

Delta R.T. 0.009 min

Lab File: BN036852.D

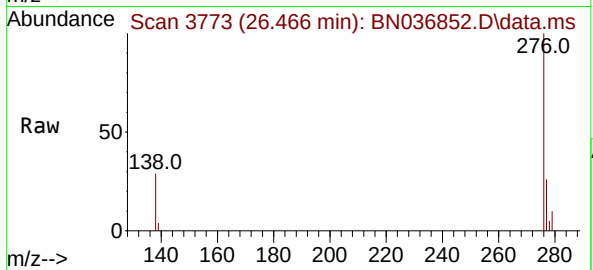
Acq: 07 Apr 2025 14:18

Instrument :

BNA_N

ClientSampleId :

GST2MSD



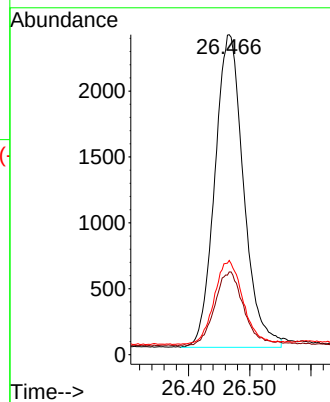
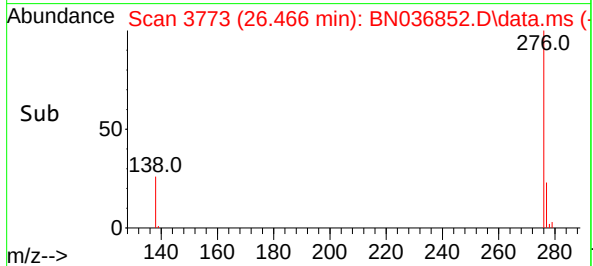
Tgt Ion:276 Resp: 7744

Ion Ratio Lower Upper

276 100

277 25.8 22.2 33.4

138 29.4 24.1 36.1



Manual Integration Report

Sequence:

BN031025

Instrument

BNA_n

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
SSTDICC0.1	BN036557.D	1,4-Dioxane	anahy	3/11/2025 9:18:29 AM	Jagrut	3/11/2025 10:27:49 AM	Peak Integrated by Software
SSTDICC0.2	BN036558.D	1,4-Dioxane	anahy	3/11/2025 9:19:12 AM	Jagrut	3/11/2025 10:27:51 AM	Peak Integrated by Software
SSTDCCC0.4	BN036572.D	Benzo(k)fluoranthene	anahy	3/11/2025 9:20:59 AM	Jagrut	3/11/2025 10:27:55 AM	Peak Integrated by Software
SSTDCCC0.4	BN036572.D	Chrysene-d12	anahy	3/11/2025 9:20:59 AM	Jagrut	3/11/2025 10:27:55 AM	Peak Integrated by Software

Manual Integration Report

Sequence:

BN040725

Instrument

BNA_n

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
PB167475BS	BN036853.D	2-Methylnaphthalene-d10	anahy	4/8/2025 12:00:45 PM	Jagrut	4/10/2025 3:32:18 PM	Peak Integrated by Software
Q1736-01	BN036855.D	Benzo(a)pyrene	anahy	4/8/2025 12:04:50 PM	Jagrut	4/10/2025 3:32:23 PM	Peak Integrated by Software
Q1736-01	BN036855.D	Benzo(k)fluoranthene	anahy	4/8/2025 12:04:50 PM	Jagrut	4/10/2025 3:32:23 PM	Peak Integrated by Software

Instrument ID: **BNA_N**

Daily Analysis Runlog For Sequence/QC Batch ID # BN031025

Review By	anahy	Review On	3/11/2025 9:36:11 AM
Supervise By	Jagrut	Supervise On	3/11/2025 10:28:11 AM
SubDirectory	BN031025	HP Acquire Method	BNA_N, 8270_SiM HP Processing Method bn031025
STD. NAME	STD REF.#		
Tune/Reschk	SP6717		
Initial Calibration Stds	SP6738,SP6736,SP6735,SP6734,SP6733,SP6732,SP6731		
CCC	SP6735		
Internal Standard/PEM	SP6740,1ul/100ul sample		
ICV/I.BLK	SP6684		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	DFTPP	BN036556.D	10 Mar 2025 11:03	RC/JU	Ok
2	SSTDIC0.1	BN036557.D	10 Mar 2025 11:42	RC/JU	Ok,M
3	SSTDIC0.2	BN036558.D	10 Mar 2025 12:18	RC/JU	Ok,M
4	SSTDIC0.4	BN036559.D	10 Mar 2025 12:54	RC/JU	Ok
5	SSTDIC0.8	BN036560.D	10 Mar 2025 13:31	RC/JU	Ok
6	SSTDIC1.6	BN036561.D	10 Mar 2025 14:07	RC/JU	Ok
7	SSTDIC3.2	BN036562.D	10 Mar 2025 14:43	RC/JU	Ok
8	SSTDIC5.0	BN036563.D	10 Mar 2025 15:19	RC/JU	Ok
9	SSTDICV0.4	BN036564.D	10 Mar 2025 16:38	RC/JU	Ok
10	PB167057BL	BN036565.D	10 Mar 2025 17:14	RC/JU	Ok
11	Q1531-03	BN036566.D	10 Mar 2025 17:50	RC/JU	Ok
12	Q1531-04	BN036567.D	10 Mar 2025 18:26	RC/JU	Ok
13	Q1531-05	BN036568.D	10 Mar 2025 19:02	RC/JU	Ok
14	Q1531-06	BN036569.D	10 Mar 2025 19:38	RC/JU	Ok,M
15	Q1531-13	BN036570.D	10 Mar 2025 20:14	RC/JU	Ok
16	Q1531-14	BN036571.D	10 Mar 2025 20:50	RC/JU	Ok
17	SSTDCCC0.4	BN036572.D	10 Mar 2025 21:26	RC/JU	Ok,M

M : Manual Integration

Instrument ID: **BNA_N**

Daily Analysis Runlog For Sequence/QC Batch ID # BN040725

Review By	anahy	Review On	4/8/2025 12:29:57 PM
Supervise By	Jagrut	Supervise On	4/10/2025 3:32:44 PM
SubDirectory	BN040725	HP Acquire Method	BNA_N, 8270_SiM HP Processing Method bn031025
STD. NAME	STD REF.#		
Tune/Reschk	SP6757		
Initial Calibration Stds	SP6738,SP6736,SP6735,SP6734,SP6733,SP6732,SP6731		
CCC	SP6735		
Internal Standard/PEM	SP6740,1ul/100ul sample		
ICV/I.BLK	SP6684		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	DFTPP	BN036846.D	07 Apr 2025 08:31	RC/JU	Ok
2	SSTDCCC0.4	BN036847.D	07 Apr 2025 09:10	RC/JU	Ok
3	PB167468BL	BN036848.D	07 Apr 2025 09:46	RC/JU	Ok
4	Q1731-04DL	BN036849.D	07 Apr 2025 10:22	RC/JU	Ok
5	Q1736-02	BN036850.D	07 Apr 2025 13:06	RC/JU	Ok
6	Q1736-02MS	BN036851.D	07 Apr 2025 13:41	RC/JU	Ok
7	Q1736-02MSD	BN036852.D	07 Apr 2025 14:18	RC/JU	Ok
8	PB167475BS	BN036853.D	07 Apr 2025 14:54	RC/JU	Ok,M
9	PB167475BL	BN036854.D	07 Apr 2025 15:30	RC/JU	Ok
10	Q1736-01	BN036855.D	07 Apr 2025 16:06	RC/JU	Ok,M

M : Manual Integration

Instrument ID: BNA_N

Daily Analysis Runlog For Sequence/QC Batch ID # BN031025

Review By	anahy	Review On	3/11/2025 9:36:11 AM
Supervise By	Jagrut	Supervise On	3/11/2025 10:28:11 AM
SubDirectory	BN031025	HP Acquire Method	BNA_N, 8270_HP Processing Method bn031025

STD. NAME	STD REF.#
Tune/Reschk Initial Calibration Stds	SP6717 SP6738,SP6736,SP6735,SP6734,SP6733,SP6732,SP6731
CCC Internal Standard/PEM ICV/I.BLK Surrogate Standard MS/MSD Standard LCS Standard	SP6735 SP6740,1ul/100ul sample SP6684

Sr#	SampleID	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	DFTPP	DFTPP	BN036556.D	10 Mar 2025 11:03		RC/JU	Ok
2	SSTDICC0.1	SSTDICC0.1	BN036557.D	10 Mar 2025 11:42	Compound #20 removed.	RC/JU	Ok,M
3	SSTDICC0.2	SSTDICC0.2	BN036558.D	10 Mar 2025 12:18		RC/JU	Ok,M
4	SSTDICCC0.4	SSTDICCC0.4	BN036559.D	10 Mar 2025 12:54		RC/JU	Ok
5	SSTDICC0.8	SSTDICC0.8	BN036560.D	10 Mar 2025 13:31		RC/JU	Ok
6	SSTDICC1.6	SSTDICC1.6	BN036561.D	10 Mar 2025 14:07	Compound #20 kept on QR.	RC/JU	Ok
7	SSTDICC3.2	SSTDICC3.2	BN036562.D	10 Mar 2025 14:43	Method is good for DOD.	RC/JU	Ok
8	SSTDICC5.0	SSTDICC5.0	BN036563.D	10 Mar 2025 15:19		RC/JU	Ok
9	SSTDICV0.4	ICVBN031025	BN036564.D	10 Mar 2025 16:38		RC/JU	Ok
10	PB167057BL	PB167057BL	BN036565.D	10 Mar 2025 17:14		RC/JU	Ok
11	Q1531-03	RE122D1-20250305	BN036566.D	10 Mar 2025 17:50		RC/JU	Ok
12	Q1531-04	RE126D1-20250306	BN036567.D	10 Mar 2025 18:26		RC/JU	Ok
13	Q1531-05	RE126D2-20250306	BN036568.D	10 Mar 2025 19:02		RC/JU	Ok
14	Q1531-06	DUP01-20250306	BN036569.D	10 Mar 2025 19:38		RC/JU	Ok,M
15	Q1531-13	RE108D1-20250306	BN036570.D	10 Mar 2025 20:14		RC/JU	Ok
16	Q1531-14	RE105D1-20250306	BN036571.D	10 Mar 2025 20:50		RC/JU	Ok
17	SSTDCCC0.4	SSTDCCC0.4EC	BN036572.D	10 Mar 2025 21:26		RC/JU	Ok,M

M : Manual Integration

Instrument ID: BNA_N

Daily Analysis Runlog For Sequence/QC Batch ID # BN040725

Review By	anahy	Review On	4/8/2025 12:29:57 PM
Supervise By	Jagrut	Supervise On	4/10/2025 3:32:44 PM
SubDirectory	BN040725	HP Acquire Method	BNA_N, 8270_HP Processing Method bn031025

STD. NAME	STD REF.#
Tune/Reschk	SP6757
Initial Calibration Stds	SP6738,SP6736,SP6735,SP6734,SP6733,SP6732,SP6731
CCC	SP6735
Internal Standard/PEM	SP6740,1ul/100ul sample
ICV/I.BLK	SP6684
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleID	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	DFTPP	DFTPP	BN036846.D	07 Apr 2025 08:31		RC/JU	Ok
2	SSTDCCC0.4	SSTDCCC0.4	BN036847.D	07 Apr 2025 09:10		RC/JU	Ok
3	PB167468BL	PB167468BL	BN036848.D	07 Apr 2025 09:46		RC/JU	Ok
4	Q1731-04DL	RMW-03B-90-040325D	BN036849.D	07 Apr 2025 10:22		RC/JU	Ok
5	Q1736-02	GST2	BN036850.D	07 Apr 2025 13:06		RC/JU	Ok
6	Q1736-02MS	GST2MS	BN036851.D	07 Apr 2025 13:41		RC/JU	Ok
7	Q1736-02MSD	GST2MSD	BN036852.D	07 Apr 2025 14:18		RC/JU	Ok
8	PB167475BS	PB167475BS	BN036853.D	07 Apr 2025 14:54		RC/JU	Ok,M
9	PB167475BL	PB167475BL	BN036854.D	07 Apr 2025 15:30		RC/JU	Ok
10	Q1736-01	GST1	BN036855.D	07 Apr 2025 16:06		RC/JU	Ok,M

M : Manual Integration



PERCENT SOLID

Supervisor: Iwona
Analyst: jignesh
Date: 4/7/2025

OVENTEMP IN Celsius(°C): 107
Time IN: 17:00
In Date: 04/04/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
OvenID: M OVEN#1

OVENTEMP OUT Celsius(°C): 103
Time OUT: 08:25
Out Date: 04/05/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
BalanceID: M SC-4
Thermometer ID: % SOLID- OVEN

QC:LB135307

Lab ID	Client SampleID	Dish #	Dish Wt (g) (A)	Sample Wt (g)	Dish + Sample Wt (g) (B)	Dish+Dry Sample Wt (g) (C)	% Solid	Comments
Q1729-05	SVOC-GPC-BLANK	1	1.00	1.00	2.00	2.00	100.0	
Q1729-06	PEST-GPC-BLANK	2	1.00	1.00	2.00	2.00	100.0	
Q1729-07	PEST-GPC-BLANK-SPIKE	3	1.00	1.00	2.00	2.00	100.0	
Q1729-08	PCB-GPC-BLANK	4	1.00	1.00	2.00	2.00	100.0	
Q1729-09	PCB-GPC-BLANK-SPIKE	5	1.00	1.00	2.00	2.00	100.0	
Q1729-10	SVOC-GPC2-BLANK	6	1.00	1.00	2.00	2.00	100.0	
Q1729-11	PEST-GPC2-BLANK	7	1.00	1.00	2.00	2.00	100.0	
Q1729-12	PEST-GPC2-BLANK-SPIKE	8	1.00	1.00	2.00	2.00	100.0	
Q1729-13	PCB-GPC2-BLANK	9	1.00	1.00	2.00	2.00	100.0	
Q1729-14	PCB-GPC2-BLANK-SPIKE	10	1.00	1.00	2.00	2.00	100.0	
Q1730-01	OU4-VSL-15-040325	11	1.14	10.58	11.72	11.39	96.9	
Q1730-03	OU4-VSL-16-040325	12	1.15	10.28	11.43	10.86	94.5	
Q1730-05	OU4-VSL-17-040325	13	1.16	11.32	12.48	11.62	92.4	
Q1730-07	OU4-PCS-TC-21-040325	14	1.18	10.92	12.1	10.9	89.0	
Q1730-09	OU4-PCS-TC-22-040325	15	1.16	11.79	12.95	11.87	90.8	
Q1730-11	OU4-PCS-TC-23-040325	16	1.19	11.24	12.43	11.41	90.9	
Q1730-13	OU4-PCS-TC-24-040325	17	1.18	10.42	11.6	10.69	91.3	
Q1730-15	OU4-PCS-TC-25-040325	18	1.14	11.13	12.27	11.43	92.5	
Q1730-17	OU4-PCS-TC-26-040325	19	1.15	10.84	11.99	11.13	92.1	
Q1730-19	OU4-CF-15-040325	20	1.15	10.74	11.89	11.23	93.9	
Q1732-01	TT-8	21	1.15	10.40	11.55	10.48	89.7	
Q1732-02	TT-8-EPH	22	1.15	10.33	11.48	10.34	89.0	
Q1732-03	TT-8-VOC	23	1.19	10.01	11.2	10.11	89.1	
Q1733-01	ETGI-328	24	1.18	10.19	11.37	8.37	70.6	
Q1733-02	ETGI-328-E2	25	1.18	10.29	11.47	8.27	68.9	
Q1734-01	HEH6237-1-1	26	1.00	1.00	2.00	2.00	100.0	pile
Q1734-02	HEH6237-1-2	27	1.00	1.00	2.00	2.00	100.0	pile
Q1734-03	STJ23-1-1	28	1.00	1.00	2.00	2.00	100.0	pile



PERCENT SOLID

Supervisor: Iwona
Analyst: jignesh
Date: 4/7/2025

OVENTEMP IN Celsius(°C): 107
Time IN: 17:00
In Date: 04/04/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
OvenID: M OVEN#1

OVENTEMP OUT Celsius(°C): 103
Time OUT: 08:25
Out Date: 04/05/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
BalanceID: M SC-4
Thermometer ID: % SOLID- OVEN

QC:LB135307

Lab ID	Client SampleID	Dish #	Dish Wt(g) (A)	Sample Wt(g)	Dish + Sample Wt(g) (B)	Dish+Dry Sample Wt(g) (C)	% Solid	Comments
Q1734-04	STJ23-1-2	29	1.00	1.00	2.00	2.00	100.0	oilc
Q1734-05	HIA989S-1-1	30	1.00	1.00	2.00	2.00	100.0	oilc
Q1734-06	HIA989S-1-2	31	1.00	1.00	2.00	2.00	100.0	oilc
Q1734-07	HED302R-1-1	32	1.00	1.00	2.00	2.00	100.0	oilc
Q1734-08	HED302R-1-2	33	1.00	1.00	2.00	2.00	100.0	oilc
Q1734-09	HED302R-2-1	34	1.00	1.00	2.00	2.00	100.0	oilc
Q1734-10	HED302R-2-2	35	1.00	1.00	2.00	2.00	100.0	oilc
Q1735-01	50660-50661-50662-5663-COMP	36	1.18	10.92	12.1	10.42	84.6	
Q1736-01	GST1	37	1.18	10.04	11.22	9.07	78.6	
Q1736-02	GST2	38	1.18	10.93	12.11	9.98	80.5	
Q1737-01	RT3069	39	1.19	11.58	12.77	11.34	87.7	
Q1738-01	OK-02-040425	40	1.16	10.34	11.5	10.06	86.1	
Q1738-02	OK-02-040425-E2	41	1.19	10.54	11.73	10.37	87.1	

$$\% \text{ Solid} = \frac{(C-A) * 100}{(B-A)}$$

WORKLIST(Hardcopy Internal Chain)

VB 135307

WorkList Name : %1-040425

WorkList ID : 188724

Department : Wet-Chemistry

Date : 04-04-2025 08:12:22

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q1736-01	GST1	Solid	Percent Solids	Cool 4 deg C	GENV01	L21	04/04/2025	Chemtech -SO
Q1736-02	GST2	Solid	Percent Solids	Cool 4 deg C	GENV01	L21	04/04/2025	Chemtech -SO
Q1730-01	OU4-VSL-15-040325	Solid	Percent Solids	Cool 4 deg C	NOBI03	L31	04/03/2025	Chemtech -SO
Q1730-03	OU4-VSL-16-040325	Solid	Percent Solids	Cool 4 deg C	NOBI03	L31	04/03/2025	Chemtech -SO
Q1730-05	OU4-VSL-17-040325	Solid	Percent Solids	Cool 4 deg C	NOBI03	L31	04/03/2025	Chemtech -SO
Q1730-07	OU4-PCS-TC-21-040325	Solid	Percent Solids	Cool 4 deg C	NOBI03	L31	04/03/2025	Chemtech -SO
Q1730-09	OU4-PCS-TC-22-040325	Solid	Percent Solids	Cool 4 deg C	NOBI03	L31	04/03/2025	Chemtech -SO
Q1730-11	OU4-PCS-TC-23-040325	Solid	Percent Solids	Cool 4 deg C	NOBI03	L31	04/03/2025	Chemtech -SO
Q1730-13	OU4-PCS-TC-24-040325	Solid	Percent Solids	Cool 4 deg C	NOBI03	L31	04/03/2025	Chemtech -SO
Q1730-15	OU4-PCS-TC-25-040325	Solid	Percent Solids	Cool 4 deg C	NOBI03	L31	04/03/2025	Chemtech -SO
Q1730-17	OU4-PCS-TC-26-040325	Solid	Percent Solids	Cool 4 deg C	NOBI03	L31	04/03/2025	Chemtech -SO
Q1730-19	OU4-CF-15-040325	Solid	Percent Solids	Cool 4 deg C	NOBI03	L31	04/03/2025	Chemtech -SO
Q1729-05	SVOC-GPC-BLANK	Solid	Percent Solids	Cool 4 deg C	NOBI03	L31	04/03/2025	Chemtech -SO
Q1729-06	PEST-GPC-BLANK	Solid	Percent Solids	Cool 4 deg C	CHEM02	F11	04/04/2025	Chemtech -SO
Q1729-07	PEST-GPC-BLANK-SPIKE	Solid	Percent Solids	Cool 4 deg C	CHEM02	F11	04/04/2025	Chemtech -SO
Q1729-08	PCB-GPC-BLANK	Solid	Percent Solids	Cool 4 deg C	CHEM02	F11	04/04/2025	Chemtech -SO
Q1729-09	PCB-GPC-BLANK-SPIKE	Solid	Percent Solids	Cool 4 deg C	CHEM02	F11	04/04/2025	Chemtech -SO
Q1729-10	SVOC-GPC2-BLANK	Solid	Percent Solids	Cool 4 deg C	CHEM02	F11	04/04/2025	Chemtech -SO
Q1729-11	PEST-GPC2-BLANK	Solid	Percent Solids	Cool 4 deg C	CHEM02	F11	04/04/2025	Chemtech -SO
Q1729-12	PEST-GPC2-BLANK-SPIKE	Solid	Percent Solids	Cool 4 deg C	CHEM02	F11	04/04/2025	Chemtech -SO
Q1729-13	PCB-GPC2-BLANK	Solid	Percent Solids	Cool 4 deg C	CHEM02	F11	04/04/2025	Chemtech -SO

Date/Time 04/04/25 15:20

Raw Sample Received by: JB 0401

Raw Sample Relinquished by: JB 0401

Date/Time 04/04/25

Raw Sample Received by: JB 0401

Raw Sample Relinquished by: JB 0401

WORKLIST(Hardcopy Internal Chain)

107135307

WorkList Name : %1-040425

WorkList ID : 188724

Department : Wet-Chemistry

Date : 04-04-2025 08:12:22

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q1729-14	PCB-GPC2-BLANK-SPIKE	Solid	Percent Solids	Cool 4 deg C	CHEM02	F11	04/04/2025	Chemtech -SO
Q1732-01	TT-8	Solid	Percent Solids	Cool 4 deg C	PSEG03	L31	04/04/2025	Chemtech -SO
Q1732-02	TT-8-EPH	Solid	Percent Solids	Cool 4 deg C	PSEG03	L31	04/04/2025	Chemtech -SO
Q1732-03	TT-8-VOC	Solid	Percent Solids	Cool 4 deg C	PSEG03	L31	04/04/2025	Chemtech -SO
Q1733-01	ETGI-328	Solid	Percent Solids	Cool 4 deg C	PSEG03	L31	04/04/2025	Chemtech -SO
Q1733-02	ETGI-328-E2	Solid	Percent Solids	Cool 4 deg C	PSEG03	I31	04/04/2025	Chemtech -SO
Q1734-01	HEH6237-1-1	Solid	Percent Solids	Cool 4 deg C	PSEG03	I31	04/04/2025	Chemtech -SO
Q1734-08	HED302R-1-2	Solid	Percent Solids	Cool 4 deg C	PSEG03	L31	04/04/2025	Chemtech -SO
Q1734-09	HED302R-2-1	Solid	Percent Solids	Cool 4 deg C	PSEG03	L31	04/04/2025	Chemtech -SO
Q1734-10	HED302R-2-2	Solid	Percent Solids	Cool 4 deg C	PSEG03	L31	04/04/2025	Chemtech -SO
Q1735-01	50660-50661-50662-5663-COM	Solid	Percent Solids	Cool 4 deg C	PSEG03	L31	04/04/2025	Chemtech -SO
Q1737-01	RT3069	Solid	Percent Solids	Cool 4 deg C	PSEG03	L31	04/04/2025	Chemtech -SO
Q1734-02	HEH6237-1-2	Solid	Percent Solids	Cool 4 deg C	PSEG03	L31	04/04/2025	Chemtech -SO
Q1734-03	STJ23-1-1	Solid	Percent Solids	Cool 4 deg C	PSEG03	L31	04/04/2025	Chemtech -SO
Q1734-04	STJ23-1-2	Solid	Percent Solids	Cool 4 deg C	PSEG03	L31	04/04/2025	Chemtech -SO
Q1734-05	HIA989S-1-1	Solid	Percent Solids	Cool 4 deg C	PSEG03	L31	04/04/2025	Chemtech -SO
Q1734-06	HIA989S-1-2	Solid	Percent Solids	Cool 4 deg C	PSEG03	L31	04/04/2025	Chemtech -SO
Q1734-07	HED302R-1-1	Solid	Percent Solids	Cool 4 deg C	PSEG03	L31	04/04/2025	Chemtech -SO
Q1738-01	OK-02-040425	Solid	Percent Solids	Cool 4 deg C	PSEG05	L31	04/04/2025	Chemtech -SO
Q1738-02	OK-02-040425-E2	Solid	Percent Solids	Cool 4 deg C	PSEG05	L31	04/04/2025	Chemtech -SO

Date/Time 04/04/25 15:20

Raw Sample Received by: [Signature]

Raw Sample Relinquished by: [Signature]

Date/Time 04/04/25 17:15

Raw Sample Received by: [Signature]

Raw Sample Relinquished by: [Signature]

SOP ID: M3541-ASE Extraction-14

Clean Up SOP #: N/A

Matrix: Solid

Weigh By: EH

Balance check: RJ

Balance ID: EX-SC-2

pH Strip Lot#: N/A

Extraction By: RJ

Filter By: RJ

pH Meter ID: N/A

Hood ID: 3,7

Extraction Start Date: 04/07/2025

Extraction Start Time: 08:55

Extraction End Date: 04/07/2025

Extraction End Time: 11:50

Concentration By: EH

Supervisor By: rajesh

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	0.4 PPM	SP6739
Surrogate	1.0ML	0.4 PPM	SP6755
N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A

Chemical Used	ML/SAMPLE USED	Lot Number
MeCl2/Acetone/1:1	N/A	EP2591
Baked Na2SO4	N/A	EP2597
Sand	N/A	E2865
Methylene Chloride	N/A	E3904
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A

Extraction Conformance/Non-Conformance Comments:

1.5 ML Vial lot# 2210673.

KD Bath ID: N/A

KD Bath Temperature: N/A

Envap ID: NEVAP-02

Envap Temperature: 40 °C

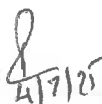
Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
04/07/25	RP (Ext. Lab)	RC/svdc
11:55	Preparation Group	Analysis Group

Analytical Method: M3541-ASE Extraction-14

Concentration Date: 04/07/2025

Sample ID	Client Sample ID	Test	g / mL	PH	Surr/Spike By:		Final Vol. (mL)	JarID	Comments	Prep Pos
					AddedBy	VerifiedBy				
PB167475BL	SBLK475	SVOC-SIMGrou p1	30.01	N/A	ritesh	Evelyn	1			U6-1
PB167475BS	SLCS475	SVOC-SIMGrou p1	30.02	N/A	ritesh	Evelyn	1			2
Q1736-01	GST1	SVOC-SIMGrou p1	30.05	N/A	ritesh	Evelyn	1			3
Q1736-02	GST2	SVOC-SIMGrou p1	30.03	N/A	ritesh	Evelyn	1			4
Q1736-02MS	GST2MS	SVOC-SIMGrou p1	30.08	N/A	ritesh	Evelyn	1			5
Q1736-02MS D	GST2MSD	SVOC-SIMGrou p1	30.06	N/A	ritesh	Evelyn	1			6

* Extracts relinquished on the same date as received.



WORKLIST(Hardcopy Internal Chain)

WorkList Name : Q1736M WorkList ID : 188766 Department : Extraction Date : 04-07-2025 08:26:18

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q1736-01	GST1	Solid	SVOC-SIMGroup1	Cool 4 deg C	GENV01	L21	04/04/2025	8270-Modified
Q1736-02	GST2	Solid	SVOC-SIMGroup1	Cool 4 deg C	GENV01	L21	04/04/2025	8270-Modified

Date/Time 04/07/25 8:50
Raw Sample Received by: RJ (Est 123)
Raw Sample Relinquished by: CP SR

Date/Time 04/07/25 9:10
Raw Sample Received by: CP SR
Raw Sample Relinquished by: RJ (Est 123)



SHIPPING DOCUMENTS

CLIENT INFORMATION

COMPANY: Geop Inc
ADDRESS: 8 CARRIAGE
CITY: Juccasville STATE: NJ ZIP: 07876
ATTENTION:
PHONE: FAX:

CLIENT PROJECT INFORMATION

PROJECT NAME: Stockton
PROJECT NO.: LOCATION: NJ
PROJECT MANAGER: GL
e-mail:
PHONE: 973 294 1771 FAX:

CLIENT BILLING INFORMATION

BILL TO: Geop Inc PO#:
ADDRESS: 8 CARRIAGE
CITY: Juccasville STATE: NJ ZIP: 07876
ATTENTION: PHONE:

ANALYSIS

DATA TURNAROUND INFORMATION

FAX (RUSH) STANDARD DAYS*
HARDCOPY (DATA PACKAGE) DAYS*
EDD: DAYS*
*TO BE APPROVED BY CHEMTECH
STANDARD HARDCOPY TURNAROUND TIME IS 10 BUSINESS

DATA DELIVERABLE INFORMATION

☐ Level 1 (Results Only) ☐ Level 4 (QC + Full Raw Data)
☐ Level 2 (Results + QC) ☒ NJ Reduced ☐ US EPA CLP
☐ Level 3 (Results + QC) ☐ NYS ASP A ☐ NYS ASP B
+ Raw Data Excel
☒ EDD FORMAT MS Excel

PCB's
TRC Metals
EDH Cat 2
1,4 Dioxane

PRESERVATIVES

COMMENTS

ALLIANCE SAMPLE ID	PROJECT SAMPLE IDENTIFICATION	SAMPLE MATRIX	SAMPLE TYPE		SAMPLE COLLECTION		# OF BOTTLES										COMMENTS
			COMP	GRAB	DATE	TIME		1	2	3	4	5	6	7	8	9	
1.	GST1	S01	X	X	4/4/25	1230	1	X	X	X	X						
2.	GST2	S01	X	X	4/4/25	1248	1	X	X	X	X						
3.																	
4.																	
5.																	
6.																	
7.																	
8.																	
9.																	
10.																	

SAMPLE CUSTODY MUST BE DOCUMENTED BELOW EACH TIME SAMPLES CHANGE POSSESSION INCLUDING COURIER DELIVERY

RELINQUISHED BY SAMPLER: 1. <u>MA</u>	DATE/TIME: <u>4/4/25</u>	RECEIVED BY: 1. <u>[Signature]</u> <u>4/4/25</u> <u>1234</u>	Conditions of bottles or coolers at receipt: ☐ COMPLIANT ☐ NON COMPLIANT ☐ COOLER TEMP <u>2.8</u> °C Comments: <u>(Adjust FACTOR H)</u> <u>IR gun #1</u>
RELINQUISHED BY SAMPLER: 2.	DATE/TIME:	RECEIVED BY: 2.	
RELINQUISHED BY SAMPLER: 3.	DATE/TIME:	RECEIVED BY: 3.	

Page ____ of CLIENT: ☐ Hand Delivered ☐ Other Shipment Complete ☐ YES ☐ NO

Laboratory Certification

Certified By	License No.
CAS EPA CLP Contract	68HERH20D0011
Connecticut	PH-0830
DOD ELAP (ANAB)	L2219
Maine	2024021
Maryland	296
New Hampshire	255424 Rev 1
New Jersey	20012
New York	11376
Pennsylvania	68-00548
Soil Permit	525-24-234-08441
Texas	T104704488