

Cover Page

Order ID : Q1939

Project ID : Amsterdam

Client : G Environmental

Lab Sample Number

Q1939-01
Q1939-02
Q1939-03
Q1939-04
Q1939-05
Q1939-06

Client Sample Number

GB1
GB1B
GB2
GB2B
GB3
GB3B

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: 5/9/2025

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 #: Q1939

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: KETAN PATEL

Date: 05/09/2025

LAB CHRONICLE

OrderID:	Q1939	OrderDate:	5/1/2025 2:51:00 PM
Client:	G Environmental	Project:	Amsterdam
Contact:	Gary Landis	Location:	L51,VOA Ref. #2 Soil

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q1939-02	GB1B	SOIL	SVOC-SIMGroup1	8270-Modified	05/01/25	05/08/25	05/08/25	05/01/25
Q1939-04	GB2B	SOIL	SVOC-SIMGroup1	8270-Modified	05/01/25	05/08/25	05/08/25	05/01/25
Q1939-06	GB3B	SOIL	SVOC-SIMGroup1	8270-Modified	05/01/25	05/08/25	05/08/25	05/01/25



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Hit Summary Sheet
SW-846

SDG No.: Q1939
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.: **Q1939**

Client: **G Environmental**

Analytical Method: **8270-Modified**

Lab Sample ID	Client ID	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%)	
							Low	High
PB167915BL	PB167915BL	2-Methylnaphthalene-d10	0.4	0.32	79		30 (17)	150 (161)
		Fluoranthene-d10	0.4	0.37	91		30 (23)	150 (138)
		Nitrobenzene-d5	0.4	0.32	79		30 (33)	130 (121)
		2-Fluorobiphenyl	0.4	0.31	78		30 (32)	130 (121)
		Terphenyl-d14	0.4	0.32	80		30 (21)	130 (130)
PB167915BS	PB167915BS	2-Methylnaphthalene-d10	0.4	0.51	127		30 (17)	150 (161)
		Fluoranthene-d10	0.4	0.36	90		30 (23)	150 (138)
		Nitrobenzene-d5	0.4	0.35	88		30 (33)	130 (121)
		2-Fluorobiphenyl	0.4	0.35	88		30 (32)	130 (121)
		Terphenyl-d14	0.4	0.36	90		30 (21)	130 (130)
Q1939-02	GB1B	2-Methylnaphthalene-d10	0.4	0.14	35		30 (17)	150 (161)
		Fluoranthene-d10	0.4	0.15	38		30 (23)	150 (138)
		Nitrobenzene-d5	0.4	0.13	33		30 (33)	130 (121)
		2-Fluorobiphenyl	0.4	0.12	30		30 (32)	130 (121)
		Terphenyl-d14	0.4	0.12	31		30 (21)	130 (130)
Q1939-04	GB2B	2-Methylnaphthalene-d10	0.4	0.26	65		30 (17)	150 (161)
		Fluoranthene-d10	0.4	0.29	72		30 (23)	150 (138)
		Nitrobenzene-d5	0.4	0.26	64		30 (33)	130 (121)
		2-Fluorobiphenyl	0.4	0.26	65		30 (32)	130 (121)
		Terphenyl-d14	0.4	0.23	58		30 (21)	130 (130)
Q1939-04MS	GB2BMS	2-Methylnaphthalene-d10	0.4	0.22	55		30 (17)	150 (161)
		Fluoranthene-d10	0.4	0.23	57		30 (23)	150 (138)
		Nitrobenzene-d5	0.4	0.22	55		30 (33)	130 (121)
		2-Fluorobiphenyl	0.4	0.19	49		30 (32)	130 (121)
		Terphenyl-d14	0.4	0.20	50		30 (21)	130 (130)
Q1939-04MSD	GB2BMSD	2-Methylnaphthalene-d10	0.4	0.23	56		30 (17)	150 (161)
		Fluoranthene-d10	0.4	0.23	58		30 (23)	150 (138)
		Nitrobenzene-d5	0.4	0.22	55		30 (33)	130 (121)
		2-Fluorobiphenyl	0.4	0.19	49		30 (32)	130 (121)
		Terphenyl-d14	0.4	0.20	50		30 (21)	130 (130)
Q1939-06	GB3B	2-Methylnaphthalene-d10	0.4	0.42	106		30 (17)	150 (161)
		Fluoranthene-d10	0.4	0.24	61		30 (23)	150 (138)
		Nitrobenzene-d5	0.4	6.93	1732	*	30 (33)	130 (121)
		2-Fluorobiphenyl	0.4	0.053	13	*	30 (32)	130 (121)
		Terphenyl-d14	0.4	0.20	49		30 (21)	130 (130)

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q1939

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:	Q1939-04MS	Client Sample ID:	GB2BMS					DataFile:	BN036975.D		
1,4-Dioxane	15.6	0	13.2	ug/Kg	85				20 (70)	160 (130)	

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q1939

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:	Q1939-04MSD	Client Sample ID:	GB2BMSD					DataFile:	BN036976.D		
1,4-Dioxane	15.6	0	13.4	ug/Kg	86		1		20 (70)	160 (130)	30 (20)

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q1939

Client: G Environmental

Analytical Method: 8270-Modified **DataFile:** BN036979.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD	Low	Limits	RPD
								Qual		High	
PB167915BS	1,4-Dioxane	13.3	10.0	ug/Kg	75				20 (70)	160 (130)	

4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB167915BL

Lab Name: CHEMTECH

Contract: GENV01

Lab Code: CHEM Case No.: Q1939

SAS No.: Q1939 SDG NO.: Q1939

Lab File ID: BN036973.D

Lab Sample ID: PB167915BL

Instrument ID: BNA_N

Date Extracted: 05/08/2025

Matrix: (soil/water) SOIL

Date Analyzed: 05/08/2025

Level: (low/med) LOW

Time Analyzed: 15:04

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
PB167915BS	PB167915BS	BN036979.D	05/08/2025
GB2B	Q1939-04	BN036974.D	05/08/2025
GB2BMS	Q1939-04MS	BN036975.D	05/08/2025
GB2BMSD	Q1939-04MSD	BN036976.D	05/08/2025
GB1B	Q1939-02	BN036977.D	05/08/2025
GB3B	Q1939-06	BN036978.D	05/08/2025

COMMENTS: _____



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5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECHContract: GENV01Lab Code: CHEMSAS No.: Q1939 SDG NO.: Q1939Lab File ID: BN036922.DDFTPP Injection Date: 04/28/2025Instrument ID: BNA_NDFTPP Injection Time: 10:56

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	67.4
68	Less than 2.0% of mass 69	0.8 (1.4) 1
69	Mass 69 relative abundance	58.8
70	Less than 2.0% of mass 69	0.2 (0.4) 1
127	10.0 - 80.0% of mass 198	54.3
197	Less than 2.0% of mass 198	0.0
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	6.7
275	10.0 - 60.0% of mass 198	23.7
365	Greater than 1% of mass 198	3.8
441	Present, but less than mass 443	8.4
442	Greater than 50% of mass 198	48.1
443	15.0 - 24.0% of mass 442	9.3 (19.4) 2

1-Value is % mass 69

2-Value is % mass 442

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
SSTDICC0.1	SSTDICC0.1	BN036923.D	04/28/2025	11:35
SSTDICC0.2	SSTDICC0.2	BN036924.D	04/28/2025	12:11
SSTDICCC0.4	SSTDICCC0.4	BN036925.D	04/28/2025	12:47
SSTDICC0.8	SSTDICC0.8	BN036926.D	04/28/2025	13:24
SSTDICC1.6	SSTDICC1.6	BN036927.D	04/28/2025	14:00
SSTDICC3.2	SSTDICC3.2	BN036928.D	04/28/2025	14:36
SSTDICC5.0	SSTDICC5.0	BN036929.D	04/28/2025	15:12



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5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECHContract: GENV01Lab Code: CHEMSAS No.: Q1939 SDG NO.: Q1939Lab File ID: BN036971.DDFTPP Injection Date: 05/08/2025Instrument ID: BNA_NDFTPP Injection Time: 13:49

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	71.6
68	Less than 2.0% of mass 69	0.3 (0.4) 1
69	Mass 69 relative abundance	58.3
70	Less than 2.0% of mass 69	0.4 (0.6) 1
127	10.0 - 80.0% of mass 198	52.9
197	Less than 2.0% of mass 198	0.0
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	6.8
275	10.0 - 60.0% of mass 198	24.9
365	Greater than 1% of mass 198	4.3
441	Present, but less than mass 443	9.2
442	Greater than 50% of mass 198	54.4
443	15.0 - 24.0% of mass 442	10.7 (19.7) 2

1-Value is % mass 69

2-Value is % mass 442

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
SSTDCCC0.4	SSTDCCC0.4	BN036972.D	05/08/2025	14:28
PB167915BL	PB167915BL	BN036973.D	05/08/2025	15:04
GB2B	Q1939-04	BN036974.D	05/08/2025	15:40
GB2BMS	Q1939-04MS	BN036975.D	05/08/2025	16:16
GB2BMSD	Q1939-04MSD	BN036976.D	05/08/2025	16:53
GB1B	Q1939-02	BN036977.D	05/08/2025	17:29
GB3B	Q1939-06	BN036978.D	05/08/2025	18:05
PB167915BS	PB167915BS	BN036979.D	05/08/2025	18:41

8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: Q1939 SAS No.: Q1939 SDG NO.: Q1939

EPA Sample No.: SSTDCCC0.4 Date Analyzed: 05/08/2025

Lab File ID: BN036972.D Time Analyzed: 14:28

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	1755	7.626	4397	10.40	2406	14.28
UPPER LIMIT	3510	8.126	8794	10.904	4812	14.777
LOWER LIMIT	877.5	7.126	2198.5	9.904	1203	13.777
EPA SAMPLE NO.						
01 PB167915BL	1580	7.63	3771	10.42	2026	14.28
02 GB2B	1602	7.63	4100	10.40	2293	14.28
03 PB167915BS	2493	7.63	6667	10.40	3772	14.28
04 GB2BMS	1704	7.63	4360	10.40	2385	14.28
05 GB1B	1746	7.63	4604	10.40	2550	14.28
06 GB2BMSD	1746	7.63	4442	10.40	2456	14.28
07 GB3B	3567 *	7.63	9662 *	10.40	26498 *	14.27

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.: Q1939 SAS No.: Q1939 SDG NO.: Q1939

EPA Sample No.: SSTDCCC0.4 Date Analyzed: 05/08/2025

Lab File ID: BN036972.D Time Analyzed: 14:28

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	4760	17.021	4148	21.215	3956	23.424
UPPER LIMIT	9520	17.521	8296	21.715	7912	23.924
LOWER LIMIT	2380	16.521	2074	20.715	1978	22.924
EPA SAMPLE NO.						
01 PB167915BL	4065	17.02	3603	21.22	3531	23.42
02 GB2B	4908	17.02	4614	21.22	4836	23.42
03 PB167915BS	7644	17.02	6261	21.22	5504	23.42
04 GB2BMS	5063	17.02	4471	21.22	4298	23.42
05 GB1B	5231	17.02	4605	21.22	4646	23.42
06 GB2BMSD	5135	17.02	4532	21.22	4358	23.42
07 GB3B	7588	17.03	6896	21.22	7149	23.42

IS4 (PHN) = Phenanthrene-d10

IS5 (CRY) = Chrysene-d12

IS6 (PRY) = Perylene-d12

AREA UPPER LIMIT = +100% of internal standard area

AREA LOWER LIMIT = -50% of internal standard area

RT UPPER LIMIT = +0.50 minutes of internal standard RT

RT UPPER LIMIT = -0.50 minutes of internal standard RT

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

* Values outside of QC limits.



SAMPLE DATA

Report of Analysis

Client:	G Environmental	Date Collected:	05/01/25
Project:	Amsterdam	Date Received:	05/01/25
Client Sample ID:	GB1B	SDG No.:	Q1939
Lab Sample ID:	Q1939-02	Matrix:	SOIL
Analytical Method:	SW8270ESIM	% Solid:	82.3
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
BN036977.D	1	05/08/25 10:03	05/08/25 17:29	PB167915

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
123-91-1	1,4-Dioxane	1.90	U	1.90	8.00	ug/Kg
SURROGATES						
7297-45-2	2-Methylnaphthalene-d10	0.14		30 (17) - 150 (161)	35%	SPK: 0.4
93951-69-0	Fluoranthene-d10	0.15		30 (23) - 150 (138)	38%	SPK: 0.4
4165-60-0	Nitrobenzene-d5	0.13		30 (33) - 130 (121)	33%	SPK: 0.4
321-60-8	2-Fluorobiphenyl	0.12		30 (32) - 130 (121)	30%	SPK: 0.4
1718-51-0	Terphenyl-d14	0.12		30 (21) - 130 (130)	31%	SPK: 0.4
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	1750	7.625			
1146-65-2	Naphthalene-d8	4600	10.404			
15067-26-2	Acenaphthene-d10	2550	14.277			
1517-22-2	Phenanthrene-d10	5230	17.021			
1719-03-5	Chrysene-d12	4610	21.215			
1520-96-3	Perylene-d12	4650	23.424			

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\BN050825\
 Data File : BN036977.D
 Acq On : 08 May 2025 17:29
 Operator : RC/JU
 Sample : Q1939-02
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 GB1B

Quant Time: May 08 18:28:13 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN042825.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Apr 28 15:35:03 2025
 Response via : Initial Calibration

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

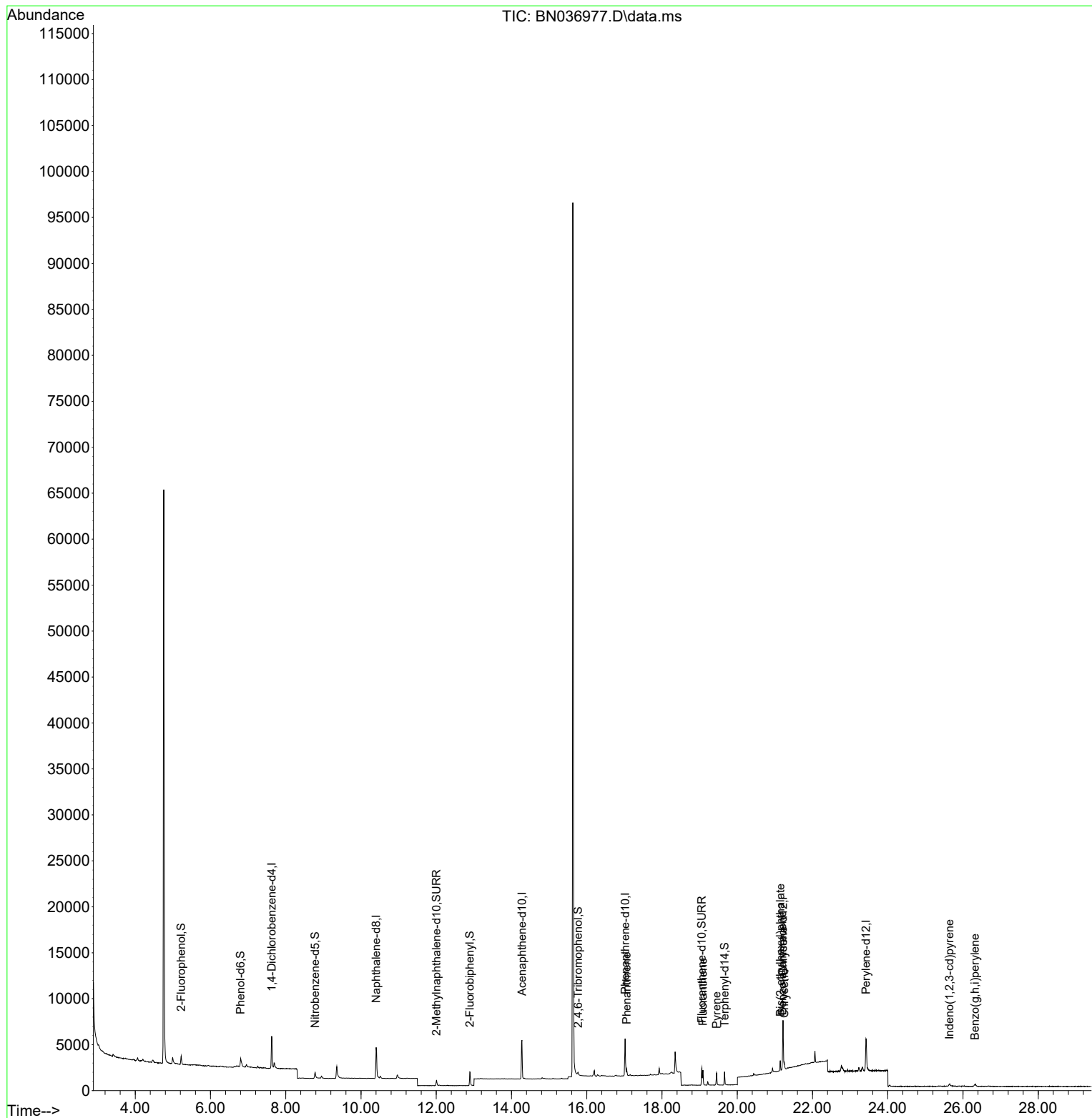
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.625	152	1746	0.400	ng	0.00
7) Naphthalene-d8	10.404	136	4604	0.400	ng	#-0.01
13) Acenaphthene-d10	14.277	164	2550	0.400	ng	0.00
19) Phenanthrene-d10	17.021	188	5231	0.400	ng	0.00
29) Chrysene-d12	21.215	240	4605	0.400	ng	0.00
35) Perylene-d12	23.424	264	4646	0.400	ng	# 0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.220	112	675	0.151	ng	0.00
5) Phenol-d6	6.802	99	806	0.147	ng	0.00
8) Nitrobenzene-d5	8.781	82	639	0.133	ng	0.00
11) 2-Methylnaphthalene-d10	12.006	152	893	0.139	ng	0.00
14) 2,4,6-Tribromophenol	15.767	330	156	0.137	ng	0.00
15) 2-Fluorobiphenyl	12.893	172	1475	0.120	ng	0.00
27) Fluoranthene-d10	19.059	212	2053	0.151	ng	0.00
31) Terphenyl-d14	19.662	244	1336	0.123	ng	0.00
Target Compounds						
25) Phenanthrene	17.058	178	675	0.039	ng	Qvalue 96
28) Fluoranthene	19.086	202	1351	0.070	ng	# 97
30) Pyrene	19.449	202	1267	0.057	ng	# 96
32) Benzo(a)anthracene	21.197	228	639	0.038	ng	# 79
33) Chrysene	21.251	228	634	0.035	ng	# 82
34) Bis(2-ethylhexyl)phtha...	21.144	149	1033	0.107	ng	# 96
36) Indeno(1,2,3-cd)pyrene	25.637	276	409	0.022	ng	# 75
41) Benzo(g,h,i)perylene	26.318	276	462	0.028	ng	# 56

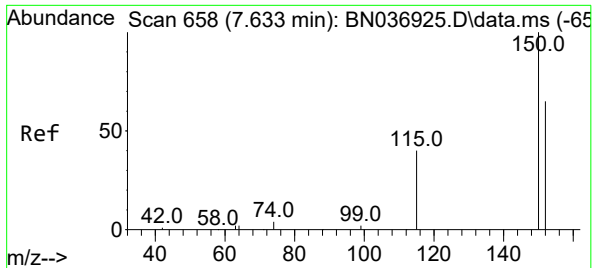
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN050825\
Data File : BN036977.D
Acq On : 08 May 2025 17:29
Operator : RC/JU
Sample : Q1939-02
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
GB1B

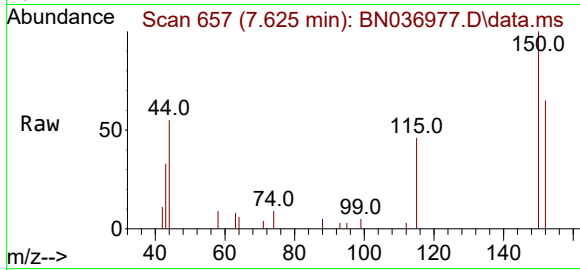
Quant Time: May 08 18:28:13 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN042825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Apr 28 15:35:03 2025
Response via : Initial Calibration



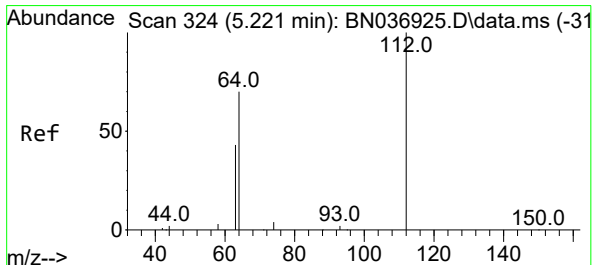
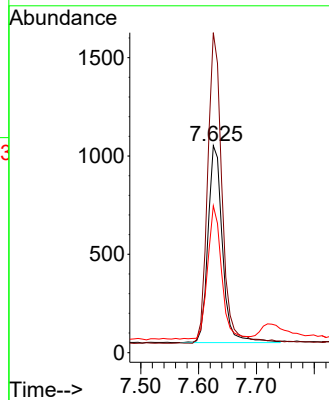
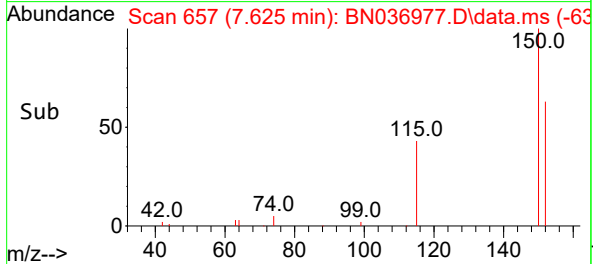


#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.625 min Scan# 61
Delta R.T. -0.008 min
Lab File: BN036977.D
Acq: 08 May 2025 17:29

Instrument :
BNA_N
ClientSampleId :
GB1B

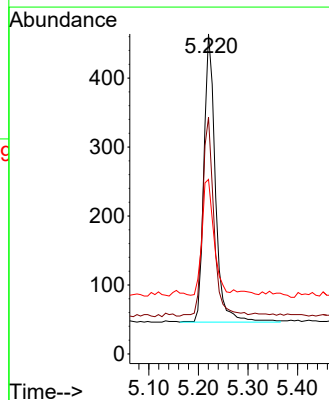
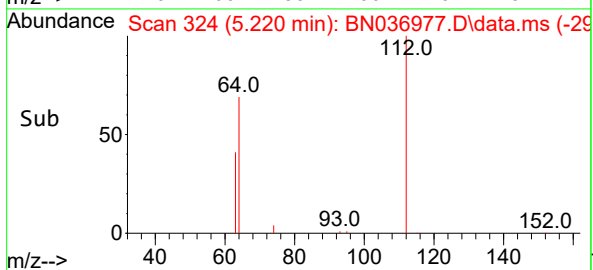
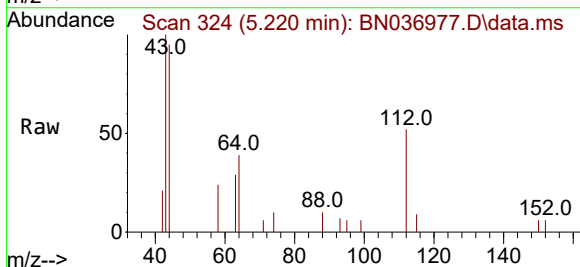


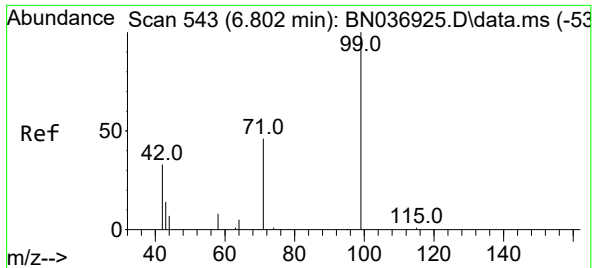
Tgt Ion:152 Resp: 1746
Ion Ratio Lower Upper
152 100
150 154.5 121.1 181.7
115 70.9 51.8 77.6



#4
2-Fluorophenol
Concen: 0.151 ng
RT: 5.220 min Scan# 324
Delta R.T. -0.000 min
Lab File: BN036977.D
Acq: 08 May 2025 17:29

Tgt Ion:112 Resp: 675
Ion Ratio Lower Upper
112 100
64 67.7 55.7 83.5
63 41.6 33.9 50.9

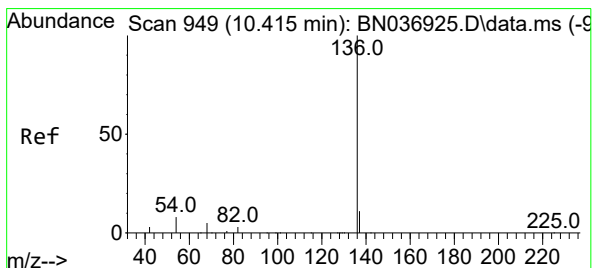
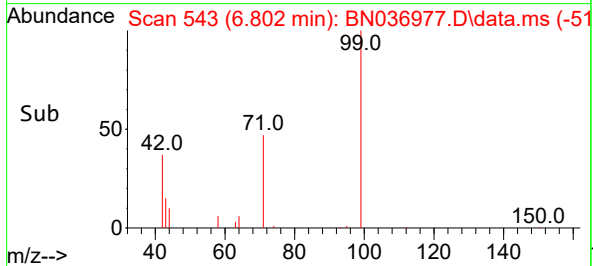
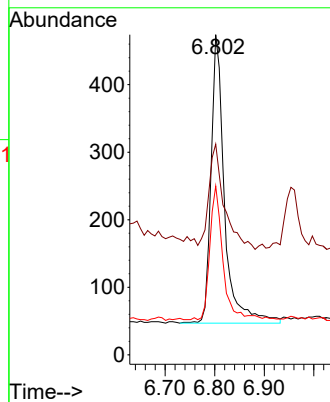
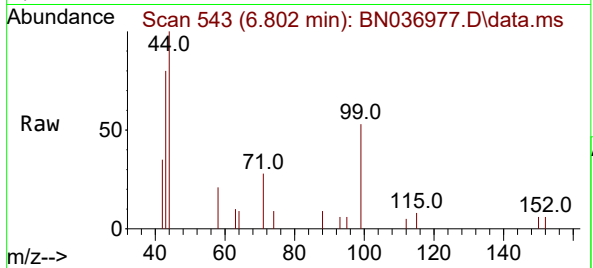




#5
Phenol-d6
Concen: 0.147 ng
RT: 6.802 min Scan# 543
Delta R.T. -0.000 min
Lab File: BN036977.D
Acq: 08 May 2025 17:29

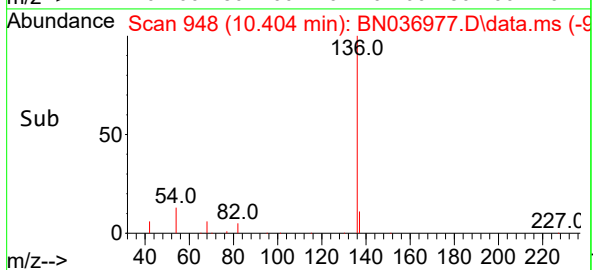
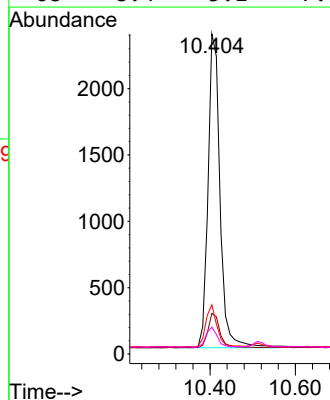
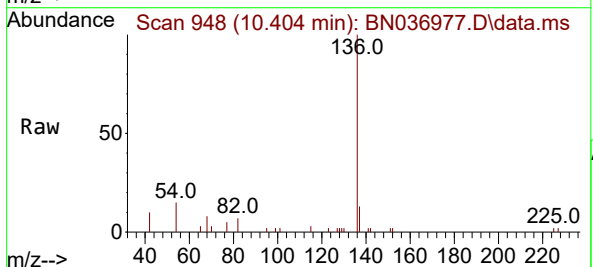
Instrument :
BNA_N
ClientSampleId :
GB1B

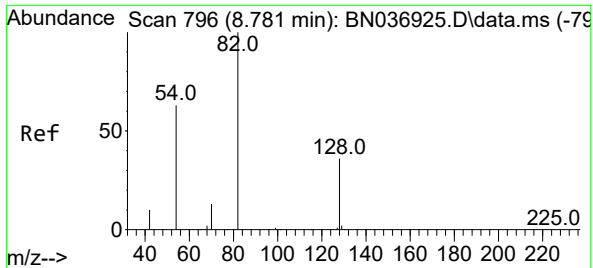
Tgt Ion	Ratio	Lower	Upper
99	100		
42	42.1	29.6	44.4
71	45.9	36.0	54.0



#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.404 min Scan# 948
Delta R.T. -0.011 min
Lab File: BN036977.D
Acq: 08 May 2025 17:29

Tgt Ion	Ratio	Lower	Upper
136	100		
137	12.6	9.7	14.5
54	15.4	8.0	12.0#
68	8.4	5.1	7.7#

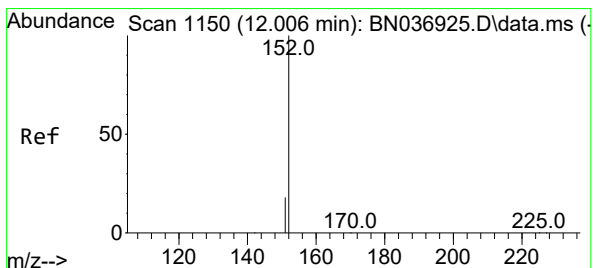
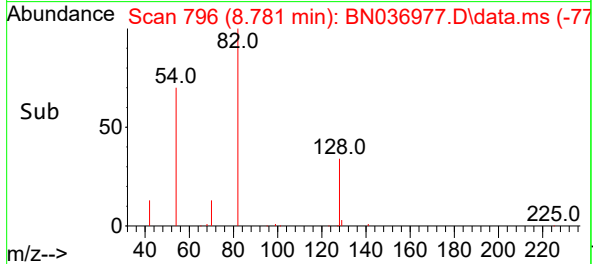
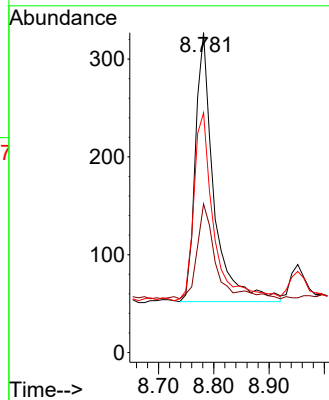
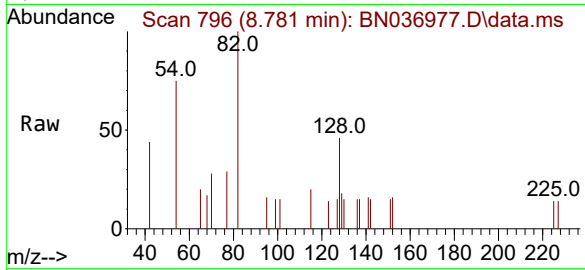




#8
Nitrobenzene-d5
Concen: 0.133 ng
RT: 8.781 min Scan# 796
Delta R.T. -0.000 min
Lab File: BN036977.D
Acq: 08 May 2025 17:29

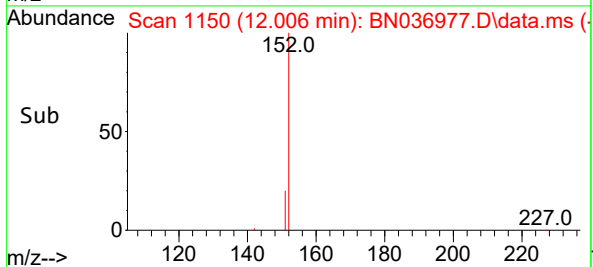
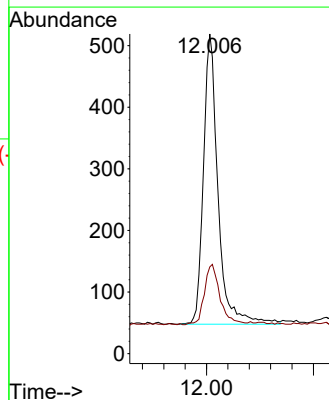
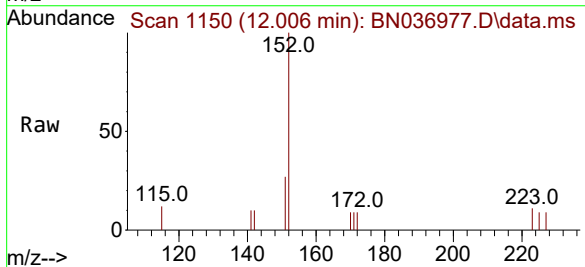
Instrument :
BNA_N
ClientSampleId :
GB1B

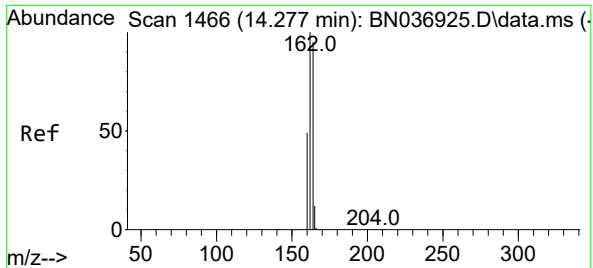
Tgt Ion: 82 Resp: 639
Ion Ratio Lower Upper
82 100
128 46.5 30.7 46.1#
54 74.9 52.1 78.1



#11
2-Methylnaphthalene-d10
Concen: 0.139 ng
RT: 12.006 min Scan# 1150
Delta R.T. -0.000 min
Lab File: BN036977.D
Acq: 08 May 2025 17:29

Tgt Ion: 152 Resp: 893
Ion Ratio Lower Upper
152 100
151 22.4 16.9 25.3

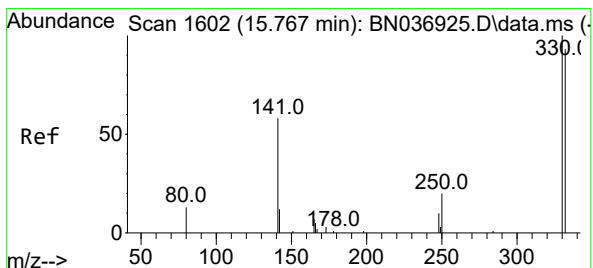
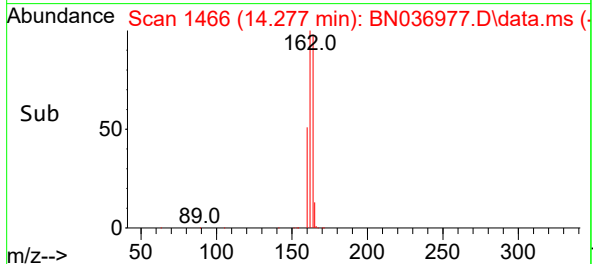
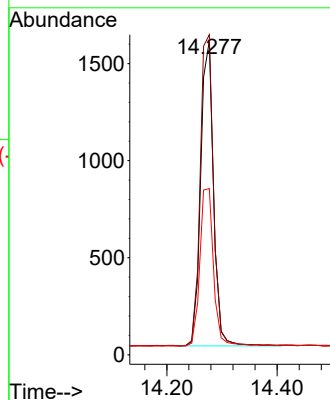
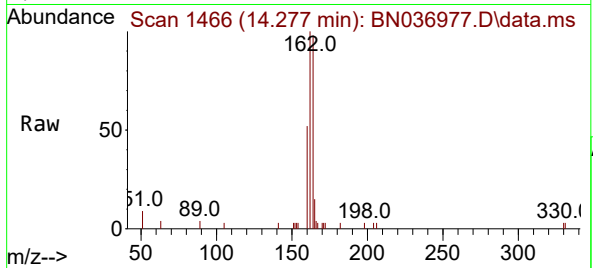




#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.277 min Scan# 1466
Delta R.T. -0.000 min
Lab File: BN036977.D
Acq: 08 May 2025 17:29

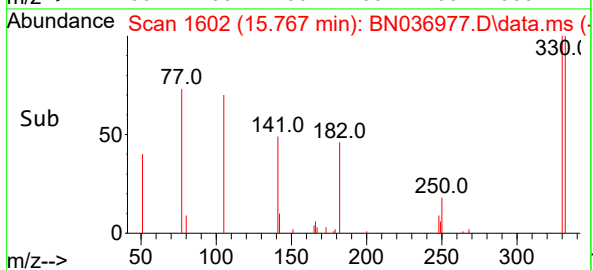
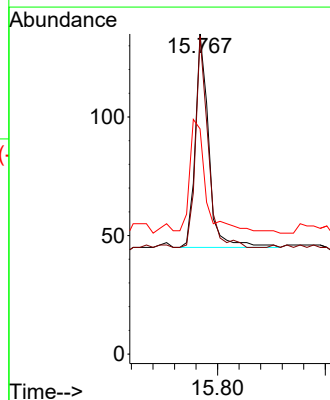
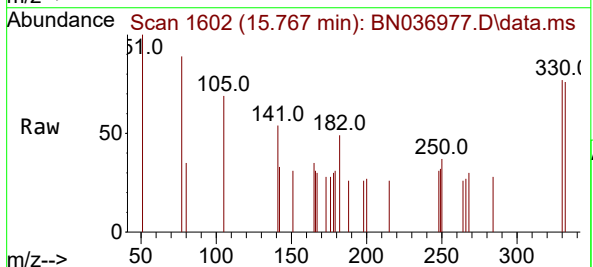
Instrument :
BNA_N
ClientSampleId :
GB1B

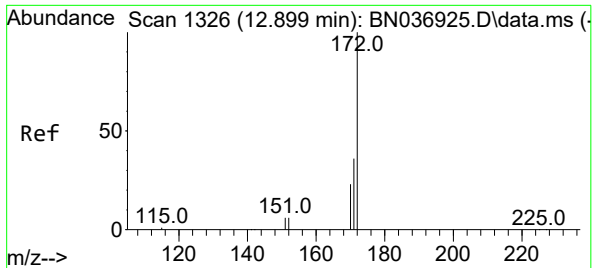
Tgt Ion:164 Resp: 2550
Ion Ratio Lower Upper
164 100
162 102.0 83.8 125.8
160 52.9 42.0 63.0



#14
2,4,6-Tribromophenol
Concen: 0.137 ng
RT: 15.767 min Scan# 1602
Delta R.T. -0.000 min
Lab File: BN036977.D
Acq: 08 May 2025 17:29

Tgt Ion:330 Resp: 156
Ion Ratio Lower Upper
330 100
332 91.0 76.3 114.5
141 69.2 45.4 68.2#

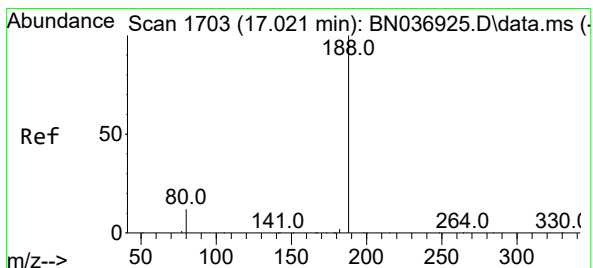
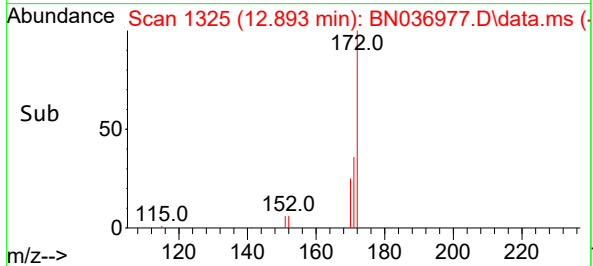
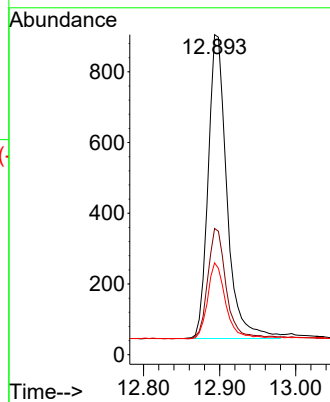
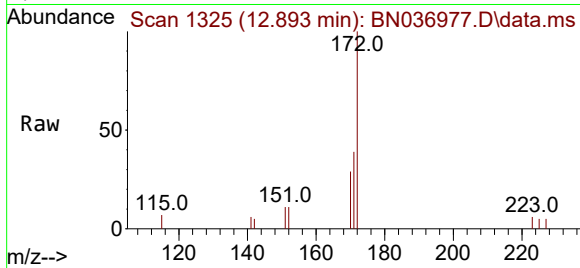




#15
2-Fluorobiphenyl
Concen: 0.120 ng
RT: 12.893 min Scan# 11
Delta R.T. -0.005 min
Lab File: BN036977.D
Acq: 08 May 2025 17:29

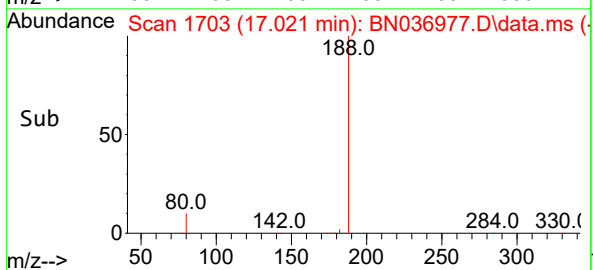
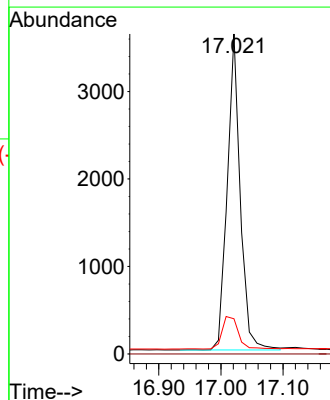
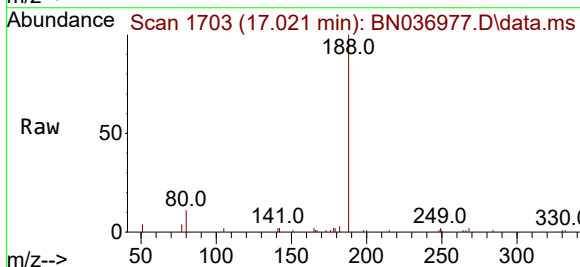
Instrument :
BNA_N
ClientSampleId :
GB1B

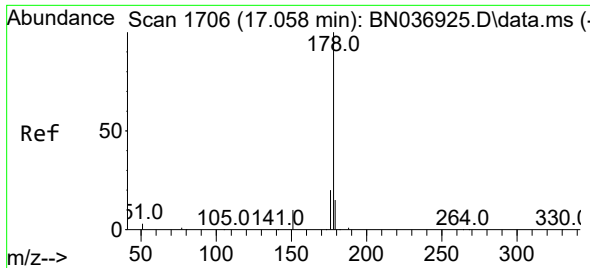
Tgt Ion:172 Resp: 1475
Ion Ratio Lower Upper
172 100
171 39.4 29.4 44.0
170 28.7 19.4 29.0



#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.021 min Scan# 1703
Delta R.T. -0.000 min
Lab File: BN036977.D
Acq: 08 May 2025 17:29

Tgt Ion:188 Resp: 5231
Ion Ratio Lower Upper
188 100
94 0.0 0.0 0.0
80 11.0 10.7 16.1

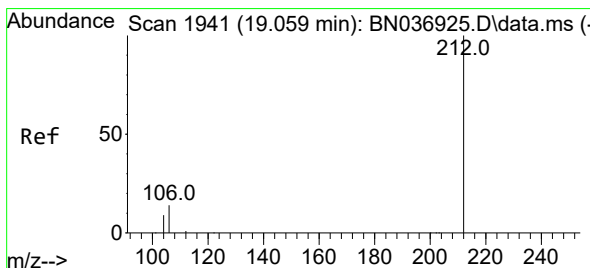
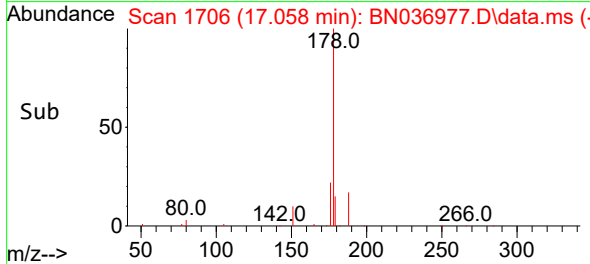
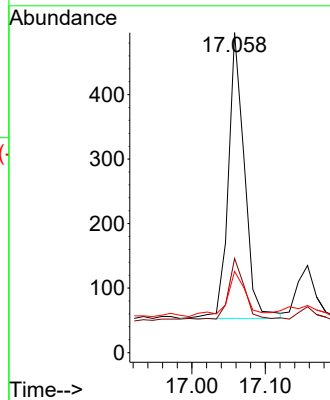
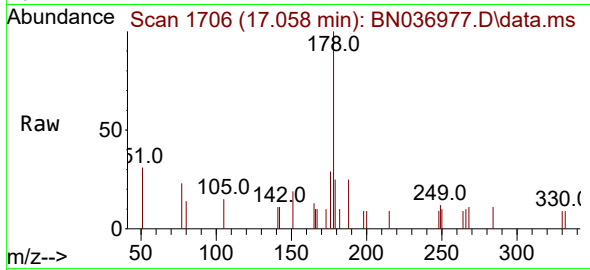




#25
Phenanthrene
Concen: 0.039 ng
RT: 17.058 min Scan# 1706
Delta R.T. -0.000 min
Lab File: BN036977.D
Acq: 08 May 2025 17:29

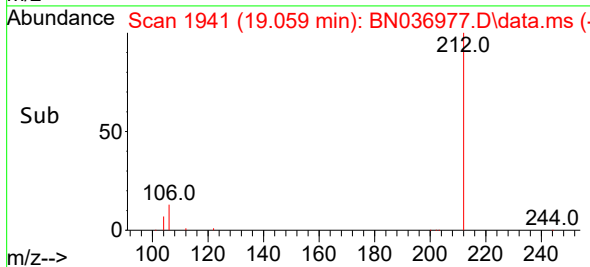
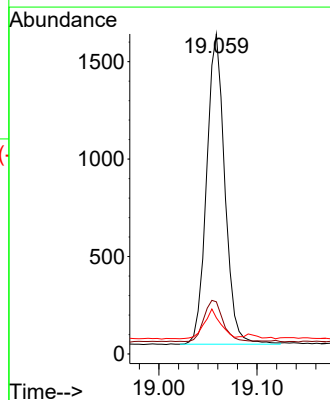
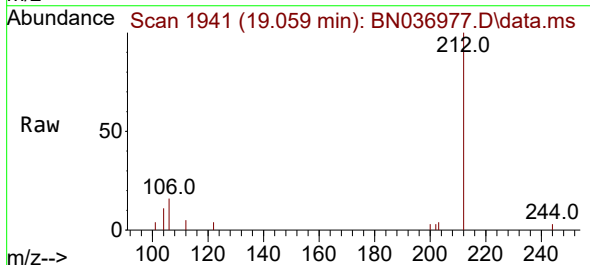
Instrument :
BNA_N
ClientSampleId :
GB1B

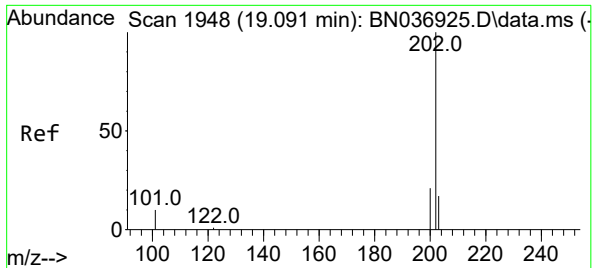
Tgt Ion	Ratio	Lower	Upper
178	100		
176	20.9	15.7	23.5
179	18.2	12.4	18.6



#27
Fluoranthene-d10
Concen: 0.151 ng
RT: 19.059 min Scan# 1941
Delta R.T. -0.000 min
Lab File: BN036977.D
Acq: 08 May 2025 17:29

Tgt Ion	Ratio	Lower	Upper
212	100		
106	14.0	11.6	17.4
104	8.7	7.0	10.4

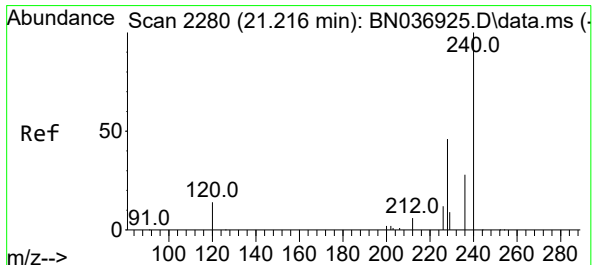
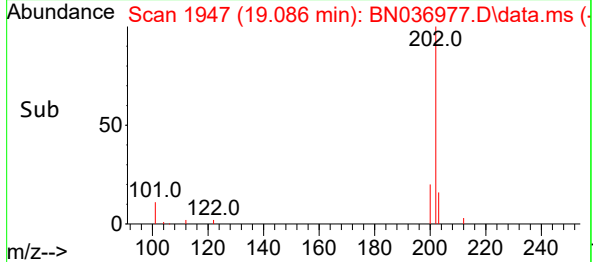
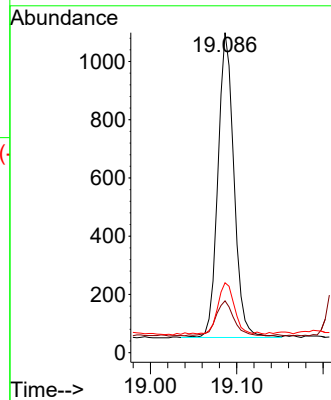
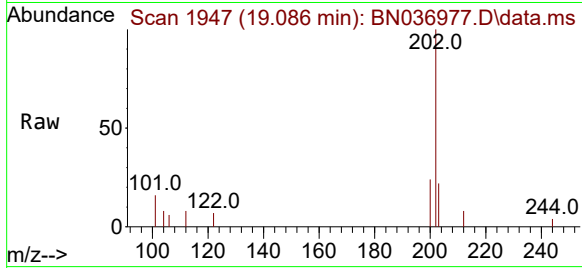




#28
Fluoranthene
Concen: 0.070 ng
RT: 19.086 min Scan# 1948
Delta R.T. -0.005 min
Lab File: BN036977.D
Acq: 08 May 2025 17:29

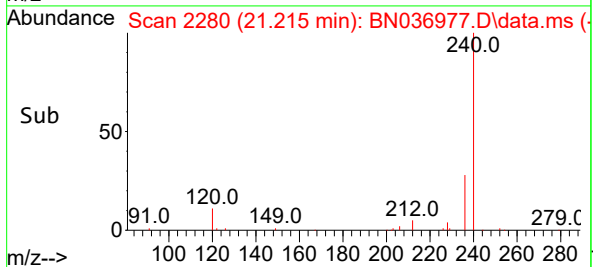
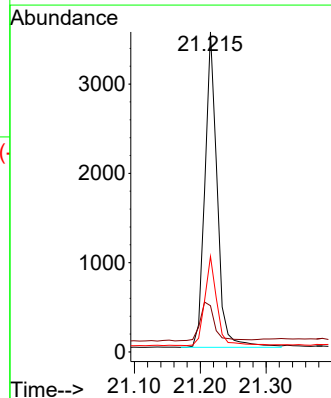
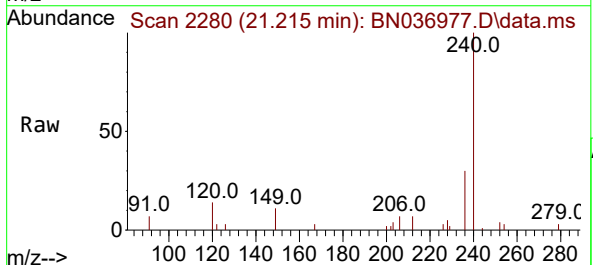
Instrument :
BNA_N
ClientSampleId :
GB1B

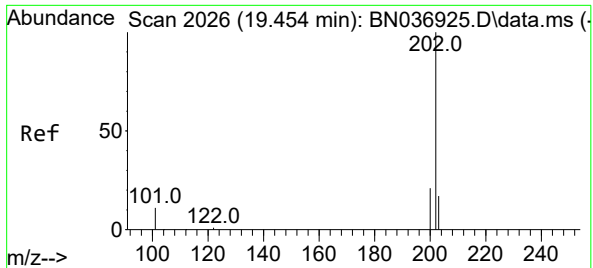
Tgt Ion:202 Resp: 1351
Ion Ratio Lower Upper
202 100
101 12.9 8.5 12.7#
203 17.9 13.7 20.5



#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.215 min Scan# 2280
Delta R.T. -0.000 min
Lab File: BN036977.D
Acq: 08 May 2025 17:29

Tgt Ion:240 Resp: 4605
Ion Ratio Lower Upper
240 100
120 14.5 14.1 21.1
236 29.8 23.8 35.8

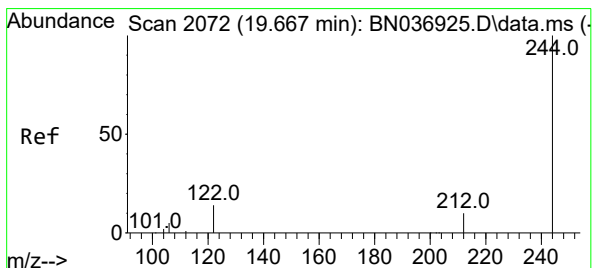
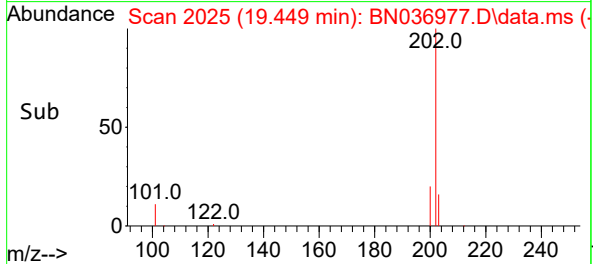
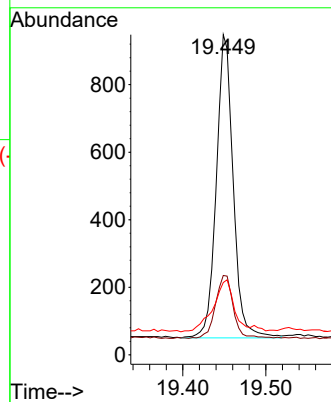
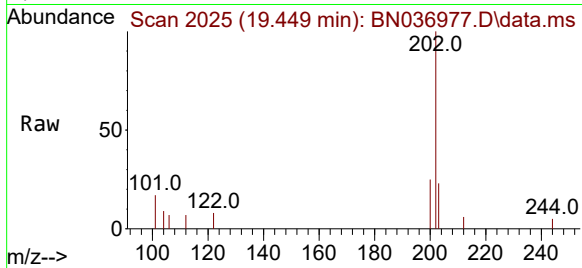




#30
Pyrene
Concen: 0.057 ng
RT: 19.449 min Scan# 2025
Delta R.T. -0.005 min
Lab File: BN036977.D
Acq: 08 May 2025 17:29

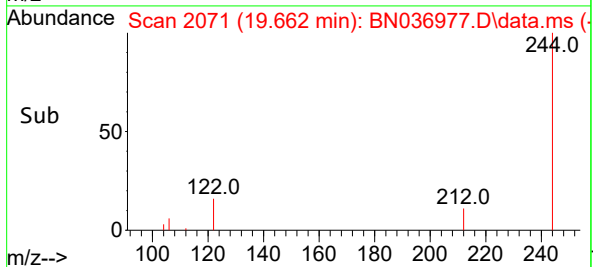
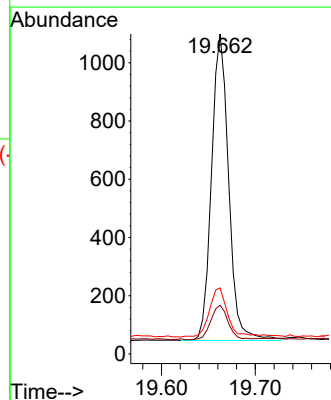
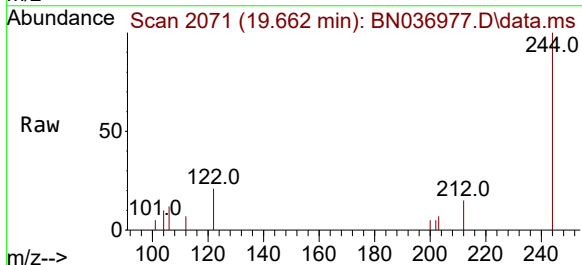
Instrument :
BNA_N
ClientSampleId :
GB1B

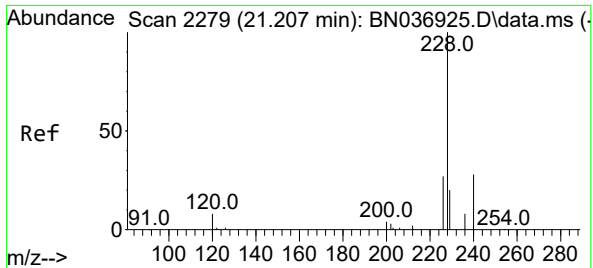
Tgt Ion:202 Resp: 1267
Ion Ratio Lower Upper
202 100
200 21.7 17.0 25.6
203 21.2 14.0 21.0#



#31
Terphenyl-d14
Concen: 0.123 ng
RT: 19.662 min Scan# 2071
Delta R.T. -0.005 min
Lab File: BN036977.D
Acq: 08 May 2025 17:29

Tgt Ion:244 Resp: 1336
Ion Ratio Lower Upper
244 100
212 15.2 9.6 14.4#
122 20.7 12.7 19.1#

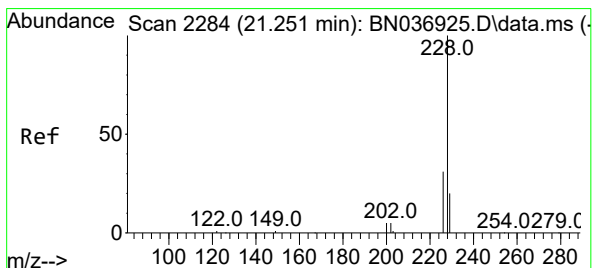
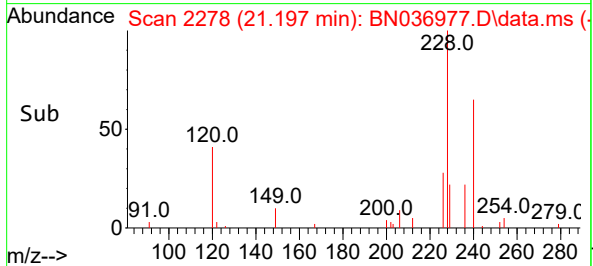
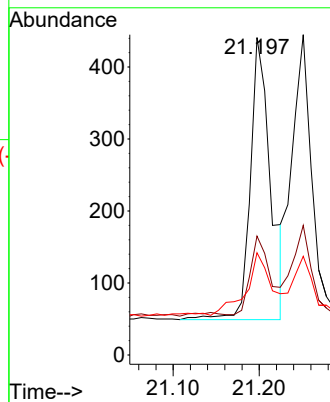
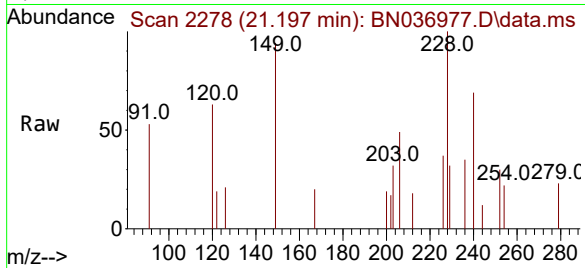




#32
Benzo(a)anthracene
Concen: 0.038 ng
RT: 21.197 min Scan# 2119
Delta R.T. -0.009 min
Lab File: BN036977.D
Acq: 08 May 2025 17:29

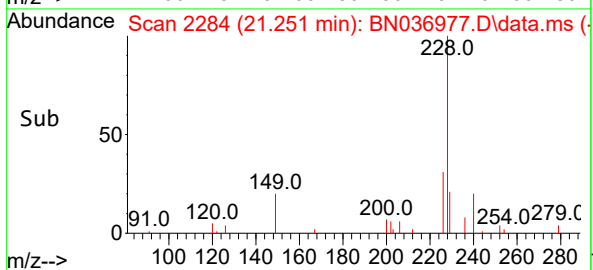
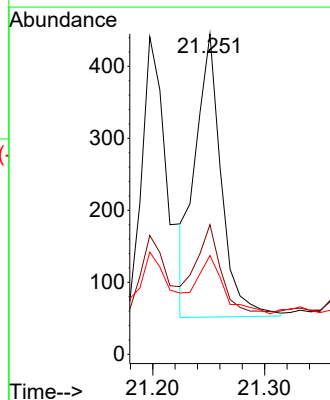
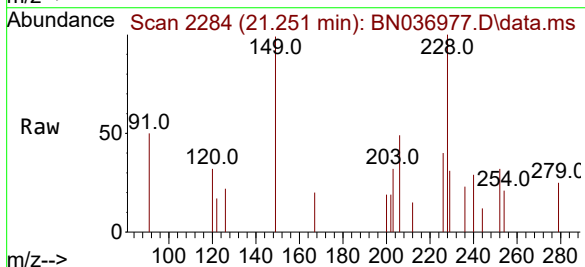
Instrument :
BNA_N
ClientSampleId :
GB1B

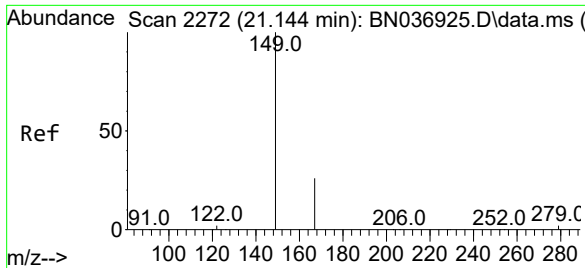
Tgt Ion:228 Resp: 639
Ion Ratio Lower Upper
228 100
226 37.4 22.2 33.4#
229 32.2 16.4 24.6#



#33
Chrysene
Concen: 0.035 ng
RT: 21.251 min Scan# 2284
Delta R.T. -0.000 min
Lab File: BN036977.D
Acq: 08 May 2025 17:29

Tgt Ion:228 Resp: 634
Ion Ratio Lower Upper
228 100
226 40.4 25.5 38.3#
229 30.8 16.5 24.7#

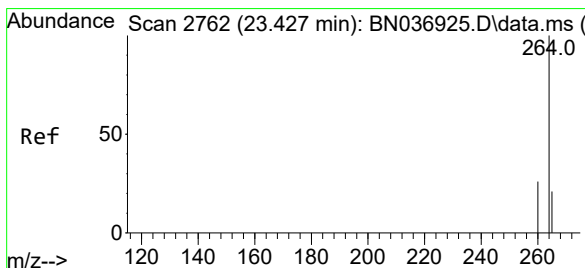
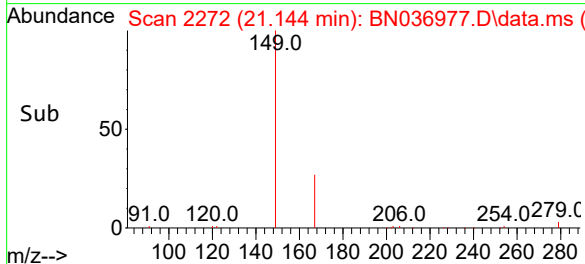
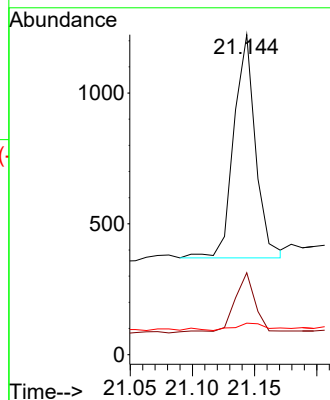
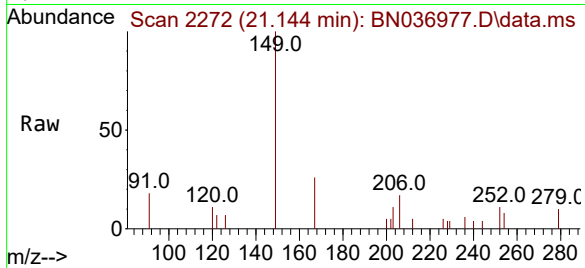




#34
Bis(2-ethylhexyl)phthalate
Concen: 0.107 ng
RT: 21.144 min Scan# 2114
Delta R.T. -0.000 min
Lab File: BN036977.D
Acq: 08 May 2025 17:29

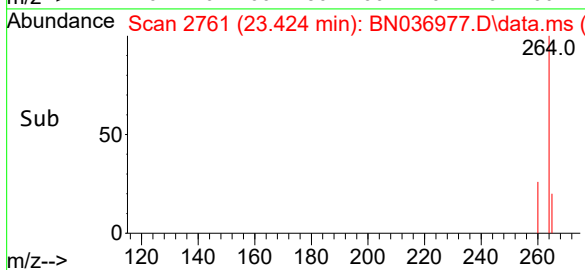
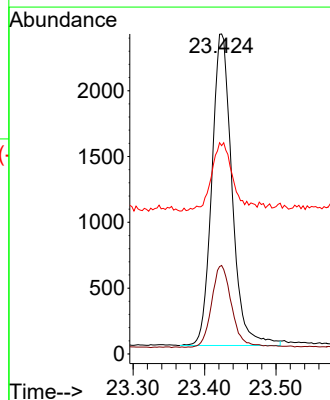
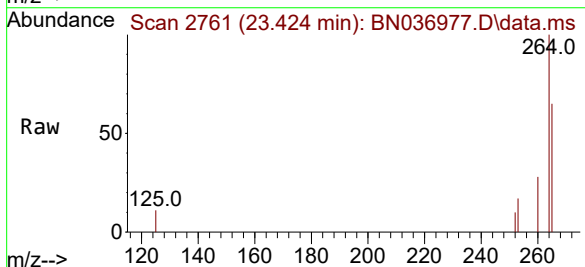
Instrument :
BNA_N
ClientSampleId :
GB1B

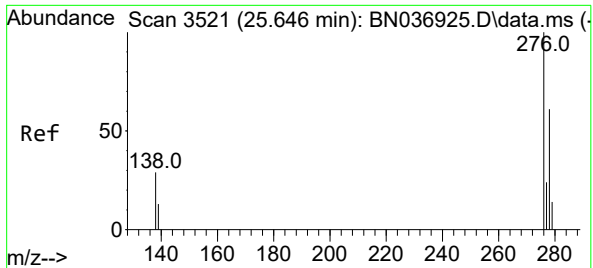
Tgt Ion:149 Resp: 1033
Ion Ratio Lower Upper
149 100
167 24.4 21.0 31.6
279 5.2 2.7 4.1#



#35
Perylene-d12
Concen: 0.400 ng
RT: 23.424 min Scan# 2761
Delta R.T. -0.003 min
Lab File: BN036977.D
Acq: 08 May 2025 17:29

Tgt Ion:264 Resp: 4646
Ion Ratio Lower Upper
264 100
260 27.6 22.2 33.2
265 65.1 65.8 98.6#





#36

Indeno(1,2,3-cd)pyrene

Concen: 0.022 ng

RT: 25.637 min Scan# 3518

Delta R.T. -0.009 min

Lab File: BN036977.D

Acq: 08 May 2025 17:29

Instrument :

BNA_N

ClientSampleId :

GB1B

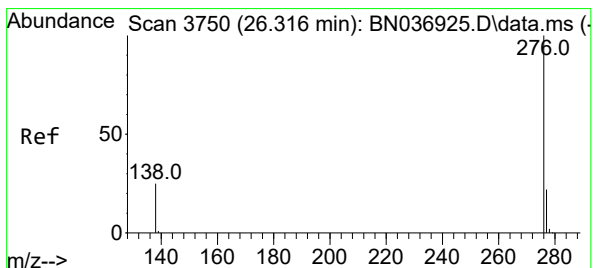
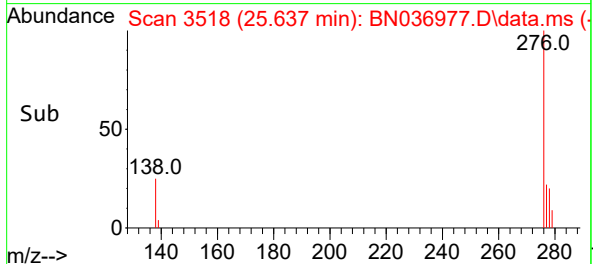
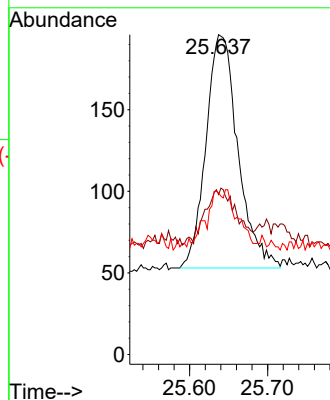
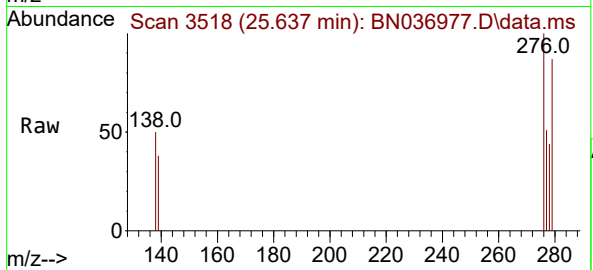
Tgt Ion:276 Resp: 409

Ion Ratio Lower Upper

276 100

138 22.2 23.0 34.6#

277 5.6 20.0 30.0#



#41

Benzo(g,h,i)perylene

Concen: 0.028 ng

RT: 26.318 min Scan# 3751

Delta R.T. 0.003 min

Lab File: BN036977.D

Acq: 08 May 2025 17:29

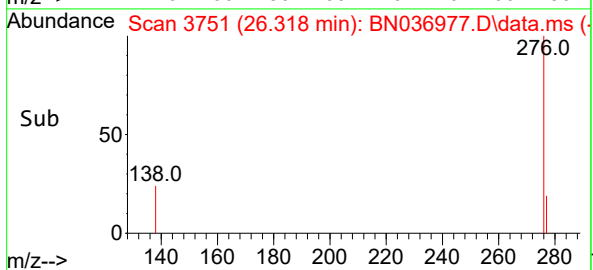
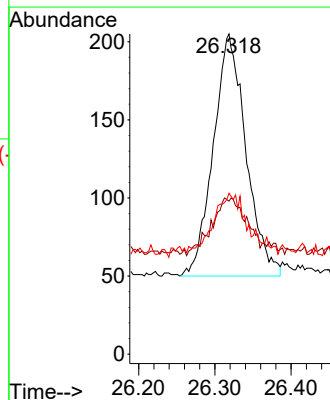
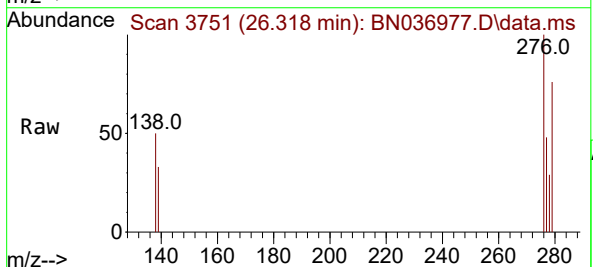
Tgt Ion:276 Resp: 462

Ion Ratio Lower Upper

276 100

277 47.8 20.2 30.2#

138 50.2 21.9 32.9#



Report of Analysis

Client:	G Environmental	Date Collected:	05/01/25
Project:	Amsterdam	Date Received:	05/01/25
Client Sample ID:	GB2B	SDG No.:	Q1939
Lab Sample ID:	Q1939-04	Matrix:	SOIL
Analytical Method:	SW8270ESIM	% Solid:	85.4
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
BN036974.D	1	05/08/25 10:03	05/08/25 15:40	PB167915

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
123-91-1	1,4-Dioxane	1.80	U	1.80	7.70	ug/Kg
SURROGATES						
7297-45-2	2-Methylnaphthalene-d10	0.26		30 (17) - 150 (161)	65%	SPK: 0.4
93951-69-0	Fluoranthene-d10	0.29		30 (23) - 150 (138)	72%	SPK: 0.4
4165-60-0	Nitrobenzene-d5	0.26		30 (33) - 130 (121)	64%	SPK: 0.4
321-60-8	2-Fluorobiphenyl	0.26		30 (32) - 130 (121)	65%	SPK: 0.4
1718-51-0	Terphenyl-d14	0.23		30 (21) - 130 (130)	58%	SPK: 0.4
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	1600		7.626		
1146-65-2	Naphthalene-d8	4100		10.404		
15067-26-2	Acenaphthene-d10	2290		14.277		
1517-22-2	Phenanthrene-d10	4910		17.021		
1719-03-5	Chrysene-d12	4610		21.216		
1520-96-3	Perylene-d12	4840		23.421		

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN050825\
 Data File : BN036974.D
 Acq On : 08 May 2025 15:40
 Operator : RC/JU
 Sample : Q1939-04
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 GB2B

Quant Time: May 08 16:42:33 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN042825.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Apr 28 15:35:03 2025
 Response via : Initial Calibration

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

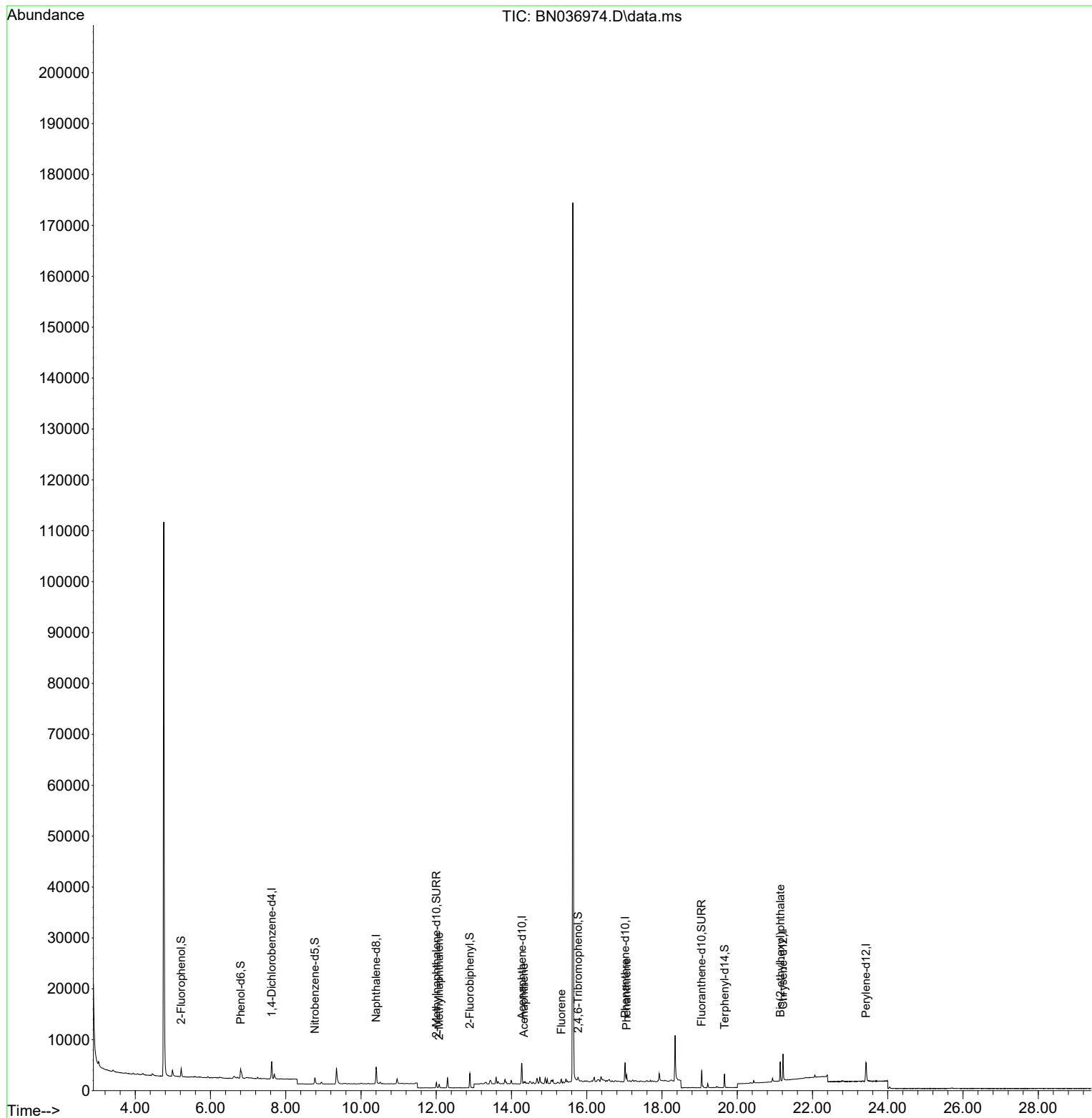
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.626	152	1602	0.400	ng	0.00
7) Naphthalene-d8	10.404	136	4100	0.400	ng	#-0.01
13) Acenaphthene-d10	14.277	164	2293	0.400	ng	0.00
19) Phenanthrene-d10	17.021	188	4908	0.400	ng	# 0.00
29) Chrysene-d12	21.216	240	4614	0.400	ng	# 0.00
35) Perylene-d12	23.421	264	4836	0.400	ng	# 0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.221	112	1131	0.276	ng	0.00
5) Phenol-d6	6.802	99	1419	0.281	ng	0.00
8) Nitrobenzene-d5	8.771	82	1102	0.257	ng	-0.01
11) 2-Methylnaphthalene-d10	12.006	152	1490	0.260	ng	0.00
14) 2,4,6-Tribromophenol	15.768	330	257	0.251	ng	0.00
15) 2-Fluorobiphenyl	12.894	172	2873	0.259	ng	0.00
27) Fluoranthene-d10	19.054	212	3646	0.287	ng	0.00
31) Terphenyl-d14	19.663	244	2536	0.233	ng	0.00
Target Compounds						Qvalue
12) 2-Methylnaphthalene	12.077	142	470	0.061	ng	# 91
17) Acenaphthene	14.331	154	148	0.020	ng	# 45
18) Fluorene	15.325	166	398	0.041	ng	# 86
25) Phenanthrene	17.058	178	1352	0.083	ng	# 95
34) Bis(2-ethylhexyl)phtha...	21.144	149	3585	0.371	ng	99

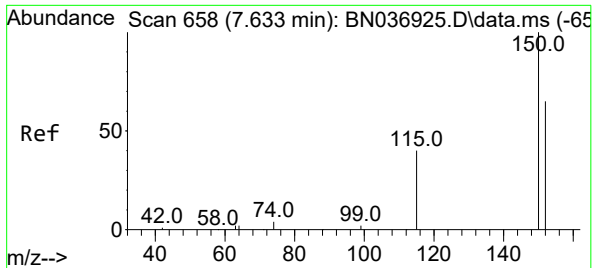
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN050825\
Data File : BN036974.D
Acq On : 08 May 2025 15:40
Operator : RC/JU
Sample : Q1939-04
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
GB2B

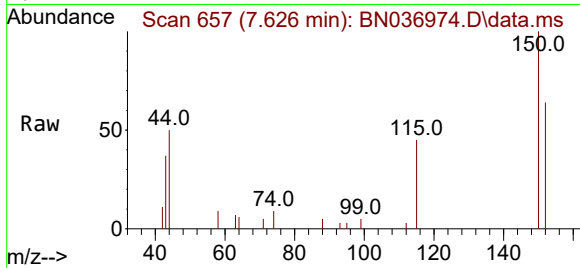
Quant Time: May 08 16:42:33 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN042825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Apr 28 15:35:03 2025
Response via : Initial Calibration



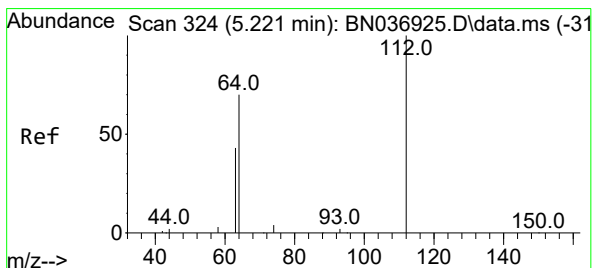
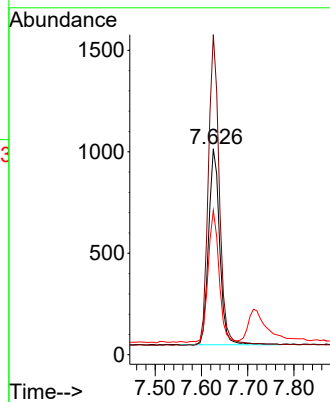
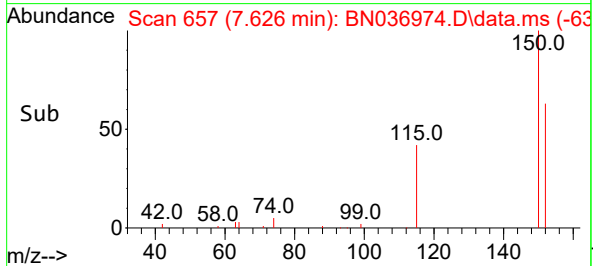


#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.626 min Scan# 658
Delta R.T. -0.007 min
Lab File: BN036974.D
Acq: 08 May 2025 15:40

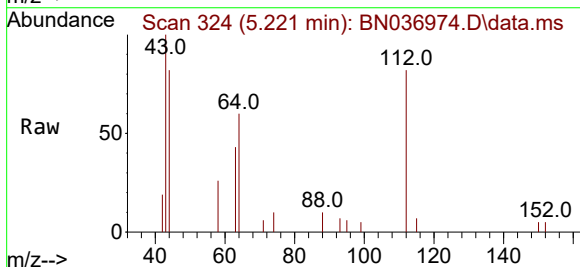
Instrument :
BNA_N
ClientSampleId :
GB2B



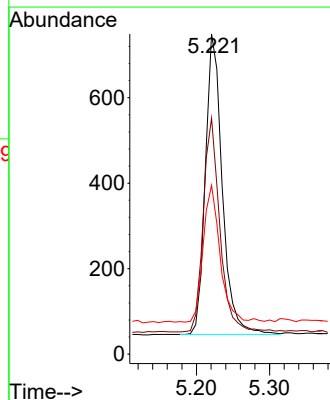
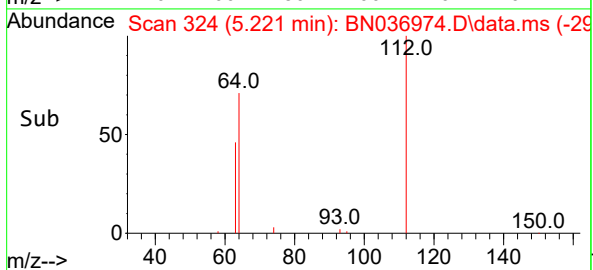
Tgt Ion:152 Resp: 1602
Ion Ratio Lower Upper
152 100
150 155.4 121.1 181.7
115 70.0 51.8 77.6

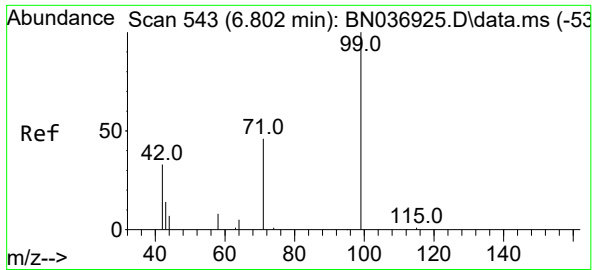


#4
2-Fluorophenol
Concen: 0.276 ng
RT: 5.221 min Scan# 324
Delta R.T. 0.000 min
Lab File: BN036974.D
Acq: 08 May 2025 15:40



Tgt Ion:112 Resp: 1131
Ion Ratio Lower Upper
112 100
64 69.8 55.7 83.5
63 45.1 33.9 50.9

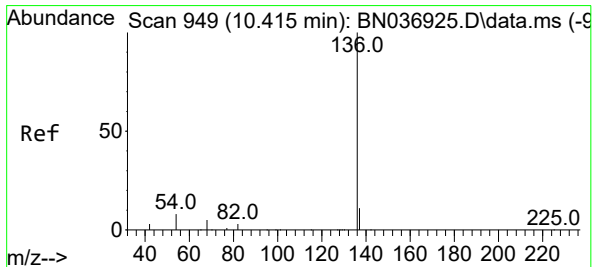
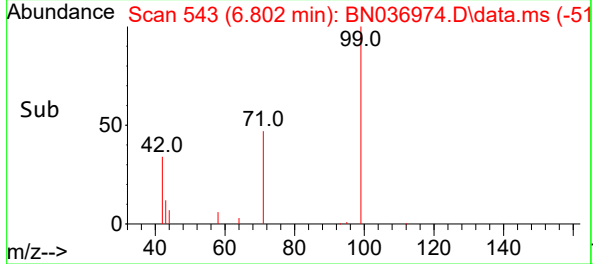
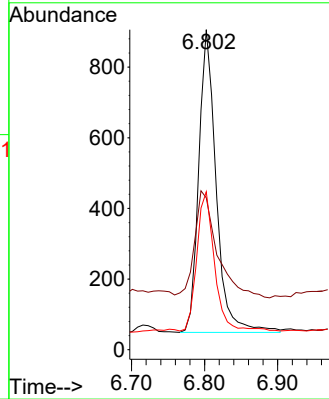
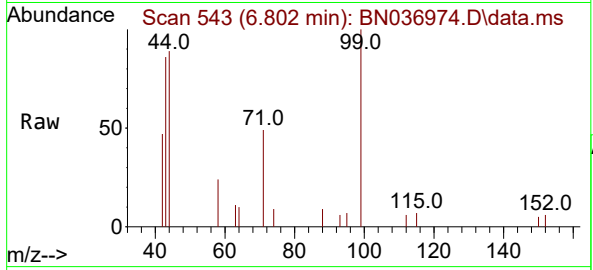




#5
Phenol-d6
Concen: 0.281 ng
RT: 6.802 min Scan# 543
Delta R.T. 0.000 min
Lab File: BN036974.D
Acq: 08 May 2025 15:40

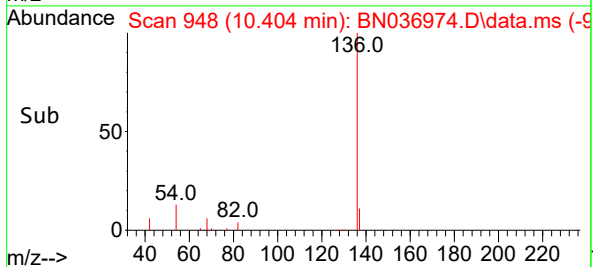
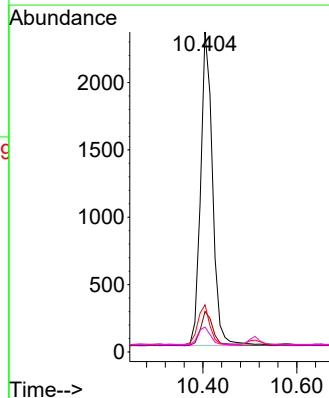
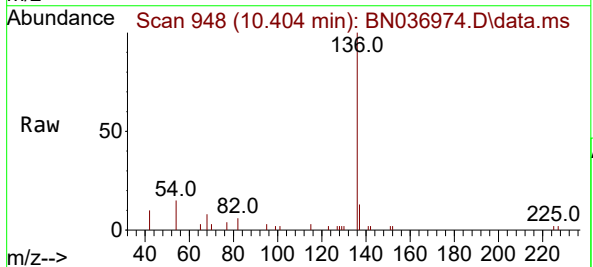
Instrument :
BNA_N
ClientSampleId :
GB2B

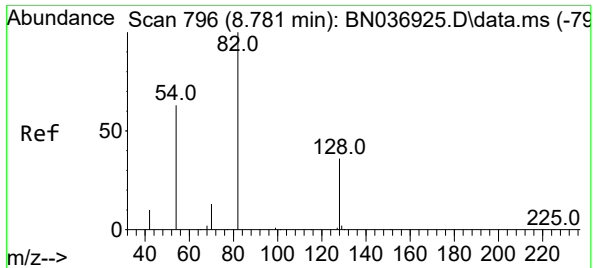
Tgt Ion: 99 Resp: 1419
Ion Ratio Lower Upper
99 100
42 46.0 29.6 44.4#
71 46.9 36.0 54.0



#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.404 min Scan# 948
Delta R.T. -0.011 min
Lab File: BN036974.D
Acq: 08 May 2025 15:40

Tgt Ion: 136 Resp: 4100
Ion Ratio Lower Upper
136 100
137 12.7 9.7 14.5
54 14.8 8.0 12.0#
68 7.8 5.1 7.7#

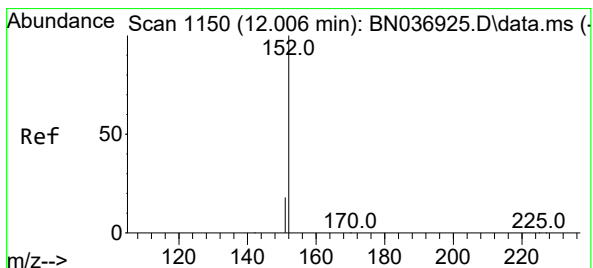
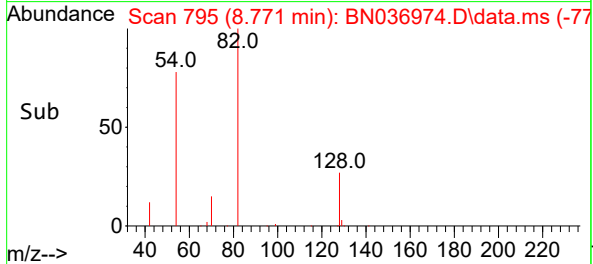
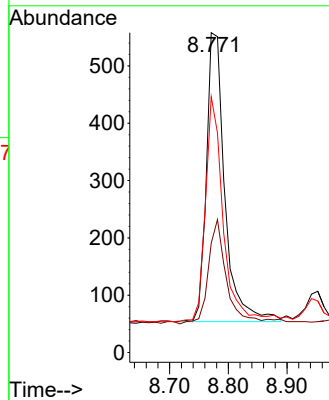
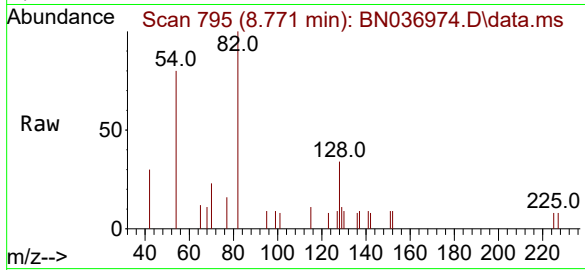




#8
Nitrobenzene-d5
Concen: 0.257 ng
RT: 8.771 min Scan# 796
Delta R.T. -0.011 min
Lab File: BN036974.D
Acq: 08 May 2025 15:40

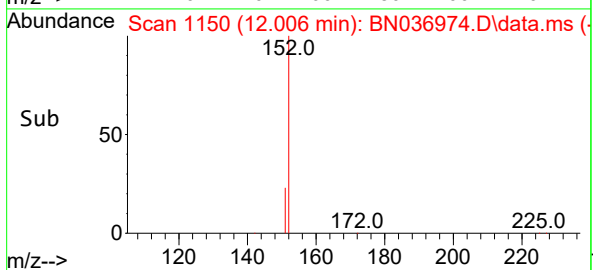
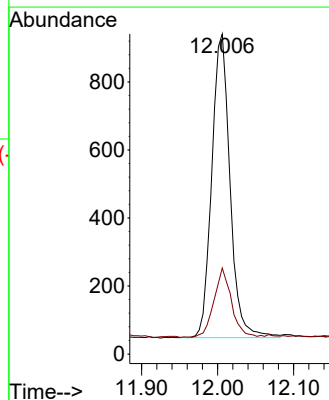
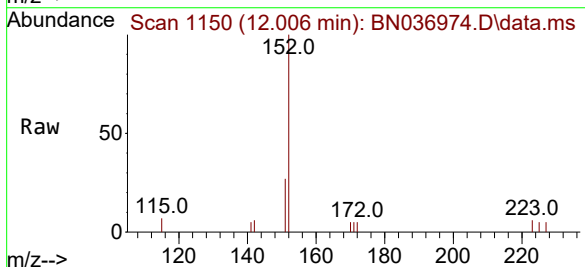
Instrument :
BNA_N
ClientSampleId :
GB2B

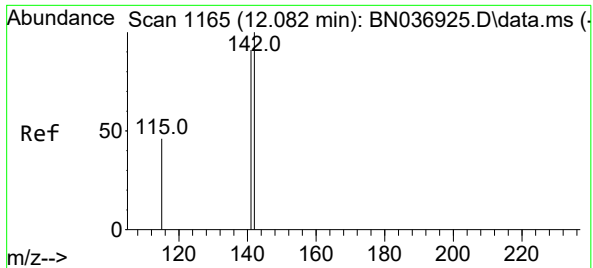
Tgt Ion: 82 Resp: 1102
Ion Ratio Lower Upper
82 100
128 34.2 30.7 46.1
54 79.9 52.1 78.1#



#11
2-Methylnaphthalene-d10
Concen: 0.260 ng
RT: 12.006 min Scan# 1150
Delta R.T. 0.000 min
Lab File: BN036974.D
Acq: 08 May 2025 15:40

Tgt Ion:152 Resp: 1490
Ion Ratio Lower Upper
152 100
151 21.5 16.9 25.3

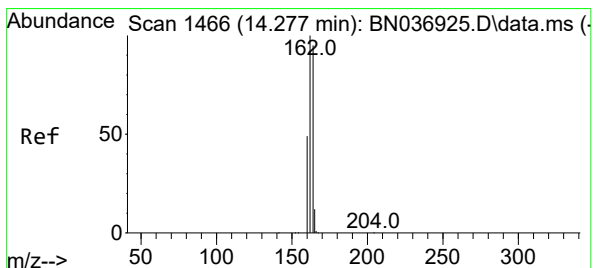
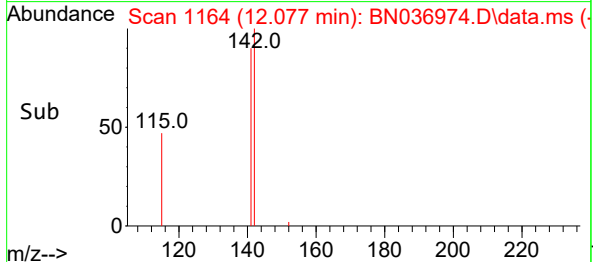
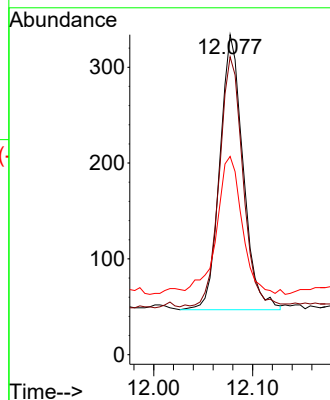
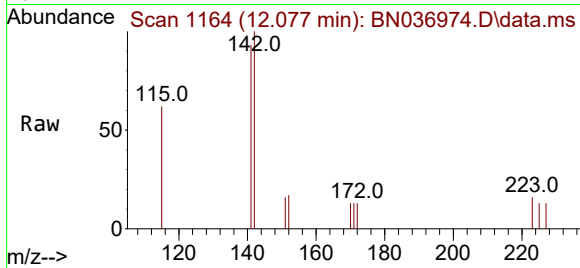




#12
2-Methylnaphthalene
Concen: 0.061 ng
RT: 12.077 min Scan# 1164
Delta R.T. -0.005 min
Lab File: BN036974.D
Acq: 08 May 2025 15:40

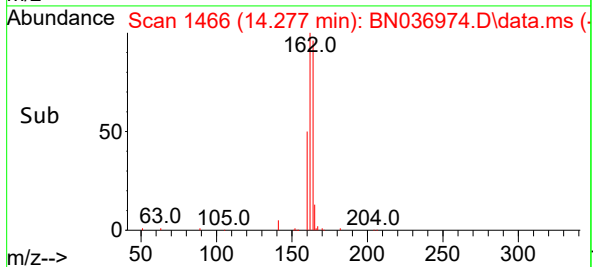
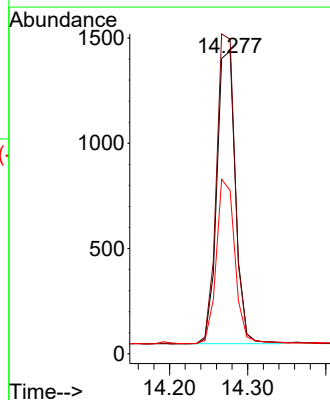
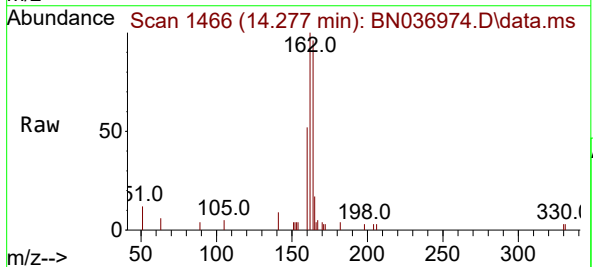
Instrument :
BNA_N
ClientSampleId :
GB2B

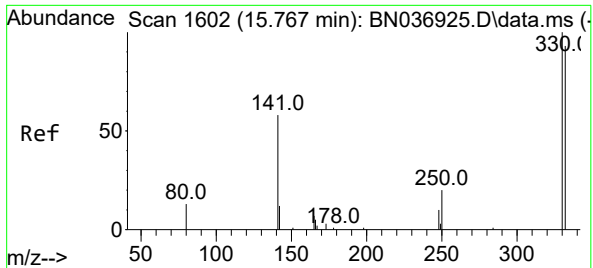
Tgt Ion:142 Resp: 470
Ion Ratio Lower Upper
142 100
141 93.1 72.8 109.2
115 62.0 38.2 57.4#



#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.277 min Scan# 1466
Delta R.T. 0.000 min
Lab File: BN036974.D
Acq: 08 May 2025 15:40

Tgt Ion:164 Resp: 2293
Ion Ratio Lower Upper
164 100
162 103.9 83.8 125.8
160 54.0 42.0 63.0





#14

2,4,6-Tribromophenol

Concen: 0.251 ng

RT: 15.768 min Scan# 1

Delta R.T. 0.000 min

Lab File: BN036974.D

Acq: 08 May 2025 15:40

Instrument :

BNA_N

ClientSampleId :

GB2B

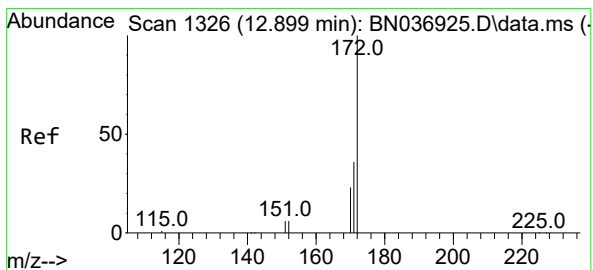
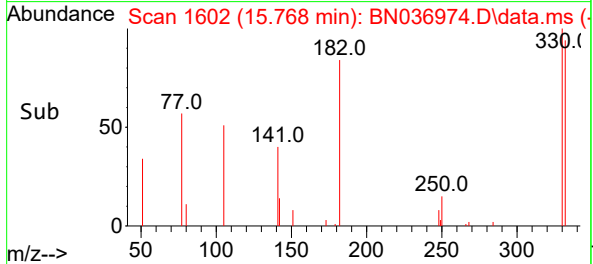
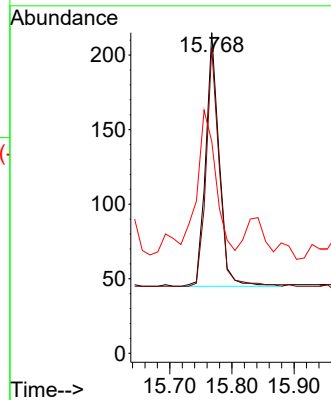
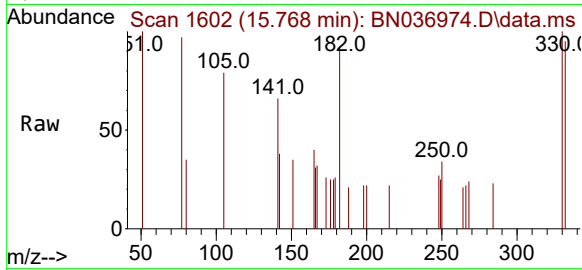
Tgt Ion:330 Resp: 257

Ion Ratio Lower Upper

330 100

332 92.6 76.3 114.5

141 93.8 45.4 68.2#



#15

2-Fluorobiphenyl

Concen: 0.259 ng

RT: 12.894 min Scan# 1325

Delta R.T. -0.005 min

Lab File: BN036974.D

Acq: 08 May 2025 15:40

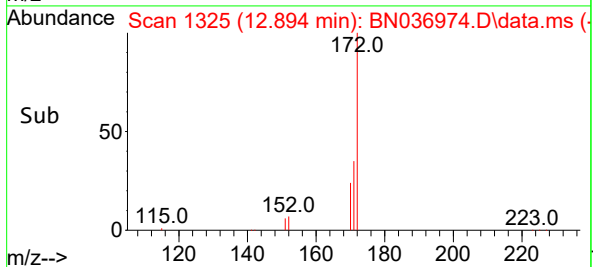
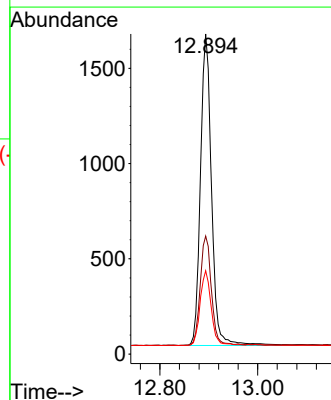
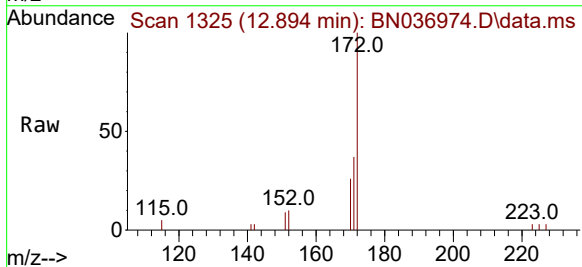
Tgt Ion:172 Resp: 2873

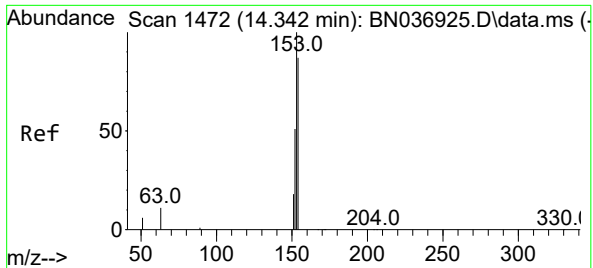
Ion Ratio Lower Upper

172 100

171 36.9 29.4 44.0

170 26.0 19.4 29.0

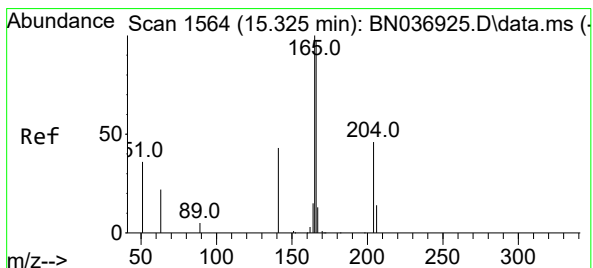
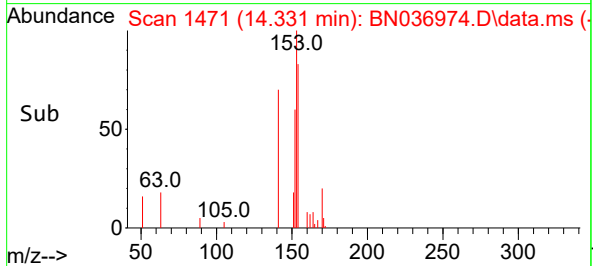
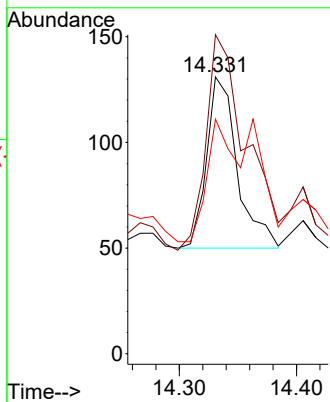
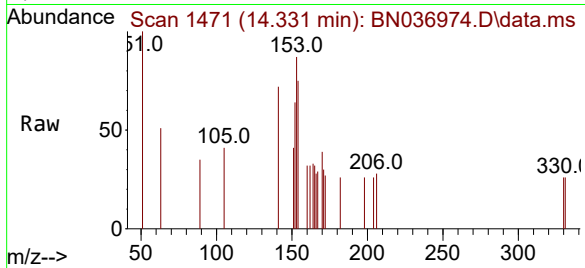




#17
Acenaphthene
Concen: 0.020 ng
RT: 14.331 min Scan# 1471
Delta R.T. -0.011 min
Lab File: BN036974.D
Acq: 08 May 2025 15:40

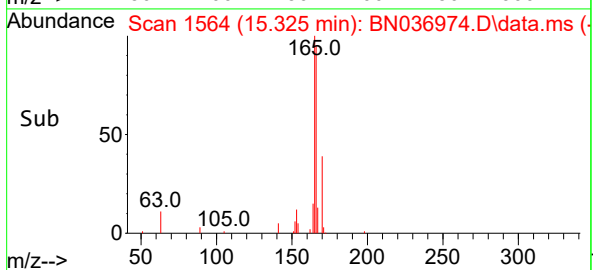
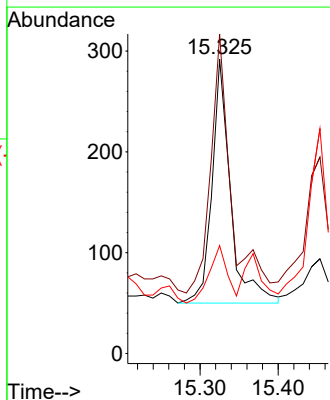
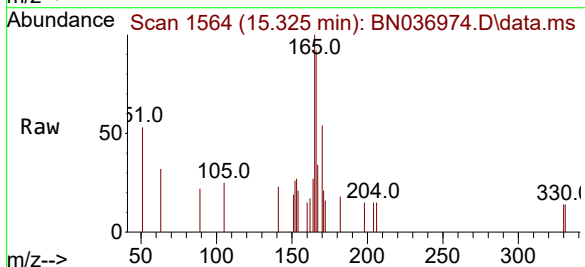
Instrument :
BNA_N
ClientSampleId :
GB2B

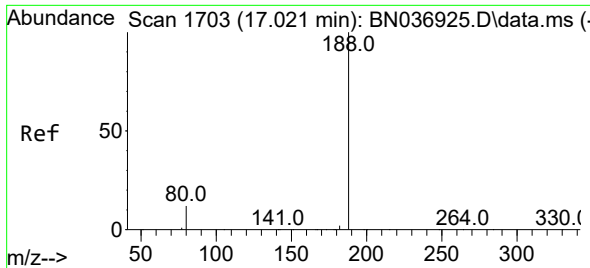
Tgt Ion:154 Resp: 148
Ion Ratio Lower Upper
154 100
153 173.0 93.4 140.2#
152 108.8 49.5 74.3#



#18
Fluorene
Concen: 0.041 ng
RT: 15.325 min Scan# 1564
Delta R.T. 0.000 min
Lab File: BN036974.D
Acq: 08 May 2025 15:40

Tgt Ion:166 Resp: 398
Ion Ratio Lower Upper
166 100
165 113.6 80.8 121.2
167 23.4 10.8 16.2#

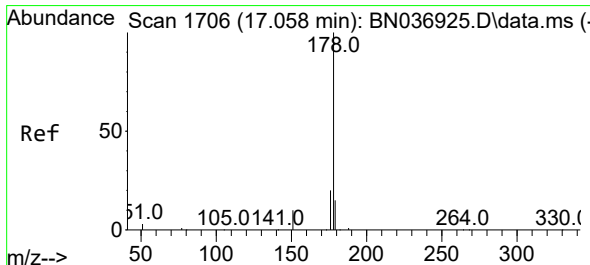
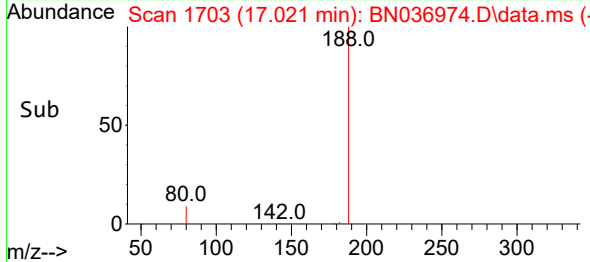
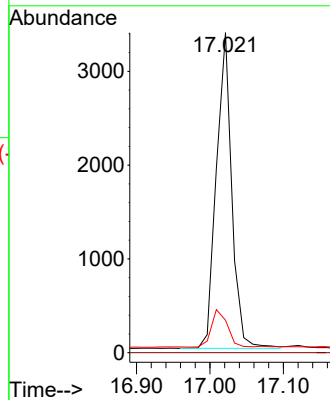
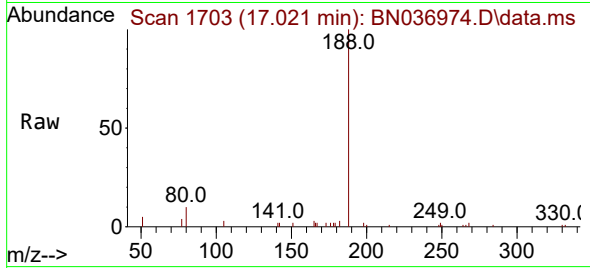




#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.021 min Scan# 1703
Delta R.T. 0.000 min
Lab File: BN036974.D
Acq: 08 May 2025 15:40

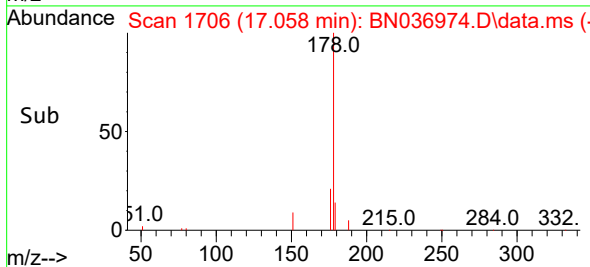
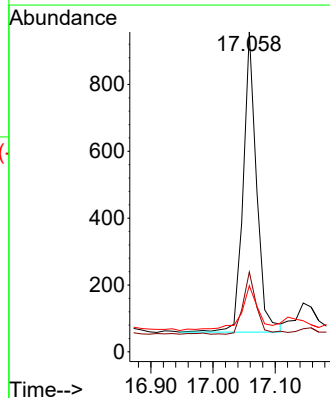
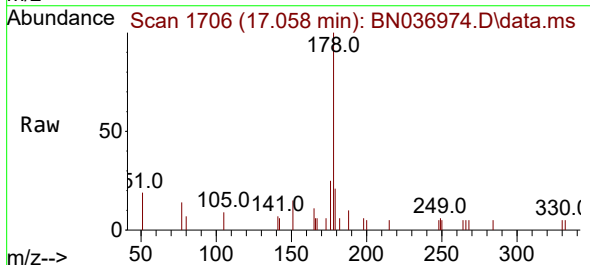
Instrument :
BNA_N
ClientSampleId :
GB2B

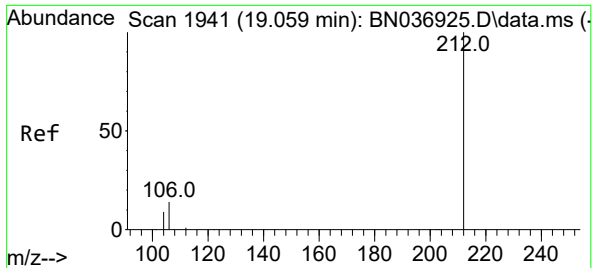
Tgt Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	10.1	10.7	16.1#



#25
Phenanthrene
Concen: 0.083 ng
RT: 17.058 min Scan# 1706
Delta R.T. 0.000 min
Lab File: BN036974.D
Acq: 08 May 2025 15:40

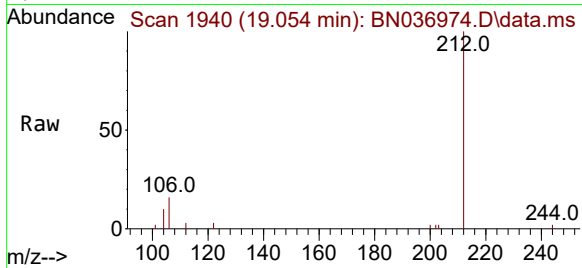
Tgt Ion	Ratio	Lower	Upper
178	100		
176	20.6	15.7	23.5
179	19.1	12.4	18.6#



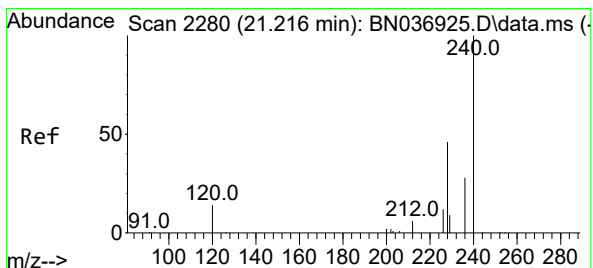
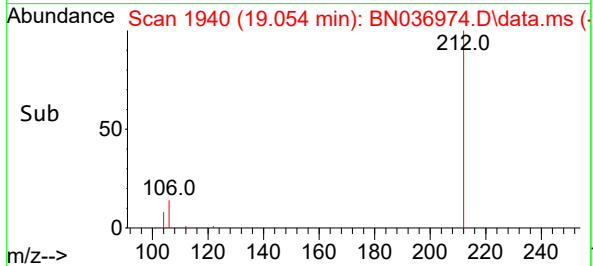
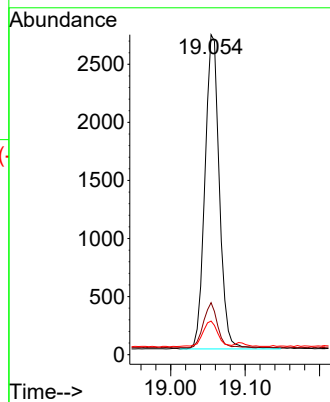


#27
Fluoranthene-d10
Concen: 0.287 ng
RT: 19.054 min Scan# 1940
Delta R.T. -0.005 min
Lab File: BN036974.D
Acq: 08 May 2025 15:40

Instrument :
BNA_N
ClientSampleId :
GB2B

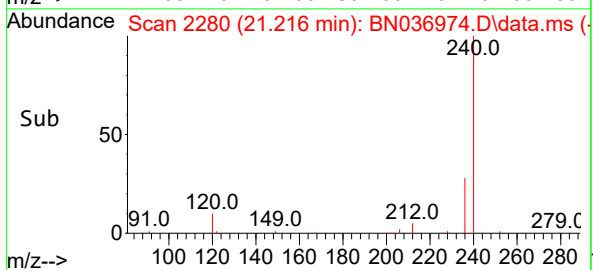
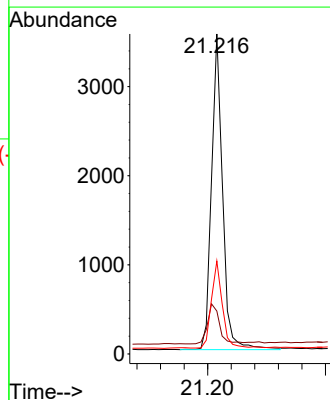
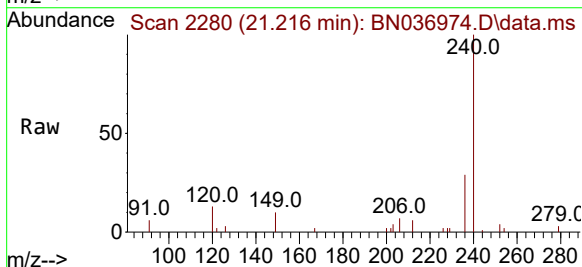


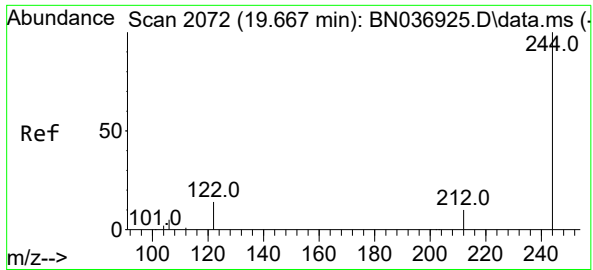
Tgt Ion:212 Resp: 3646
Ion Ratio Lower Upper
212 100
106 14.1 11.6 17.4
104 8.7 7.0 10.4



#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.216 min Scan# 2280
Delta R.T. 0.000 min
Lab File: BN036974.D
Acq: 08 May 2025 15:40

Tgt Ion:240 Resp: 4614
Ion Ratio Lower Upper
240 100
120 13.4 14.1 21.1#
236 29.0 23.8 35.8

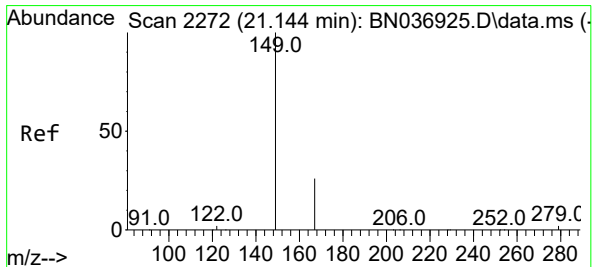
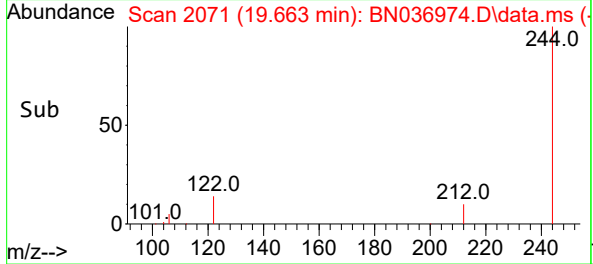
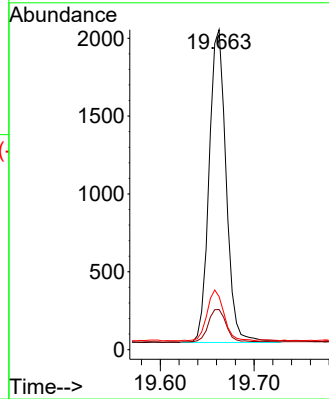
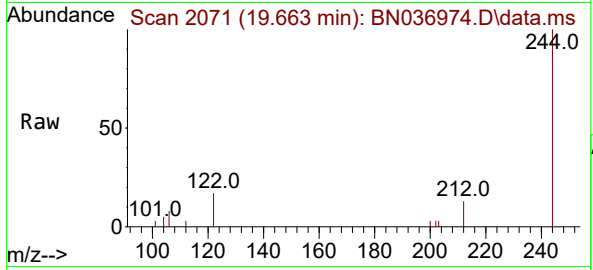




#31
Terphenyl-d14
Concen: 0.233 ng
RT: 19.663 min Scan# 2072
Delta R.T. -0.005 min
Lab File: BN036974.D
Acq: 08 May 2025 15:40

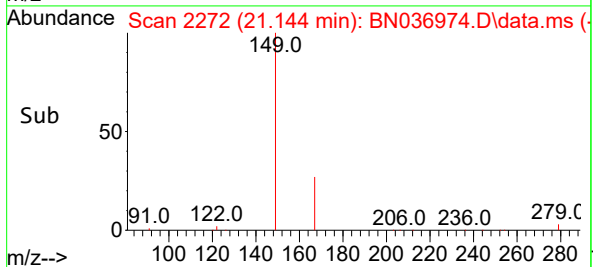
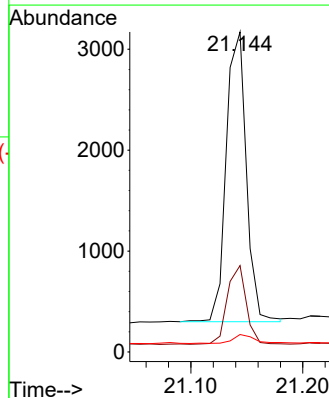
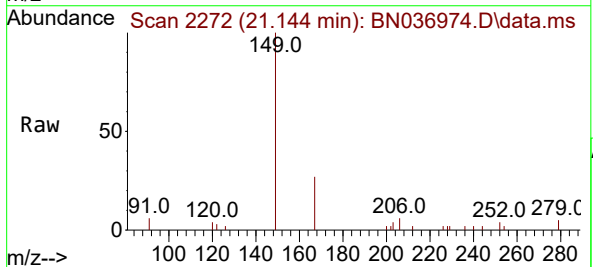
Instrument :
BNA_N
ClientSampleId :
GB2B

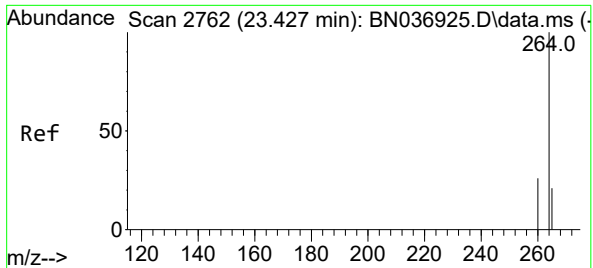
Tgt Ion:244 Resp: 2536
Ion Ratio Lower Upper
244 100
212 12.6 9.6 14.4
122 16.6 12.7 19.1



#34
Bis(2-ethylhexyl)phthalate
Concen: 0.371 ng
RT: 21.144 min Scan# 2272
Delta R.T. 0.000 min
Lab File: BN036974.D
Acq: 08 May 2025 15:40

Tgt Ion:149 Resp: 3585
Ion Ratio Lower Upper
149 100
167 25.6 21.0 31.6
279 3.4 2.7 4.1





#35

Perylene-d12

Concen: 0.400 ng

RT: 23.421 min Scan# 21

Delta R.T. -0.006 min

Lab File: BN036974.D

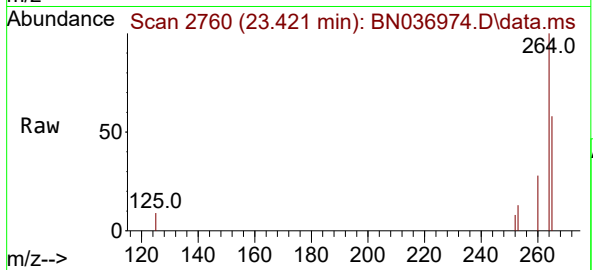
Acq: 08 May 2025 15:40

Instrument :

BNA_N

ClientSampleId :

GB2B



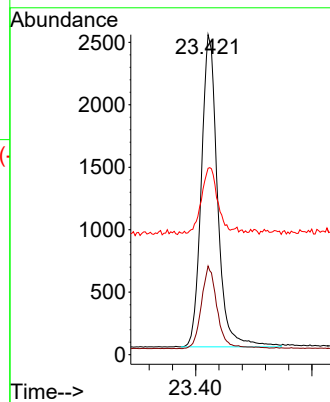
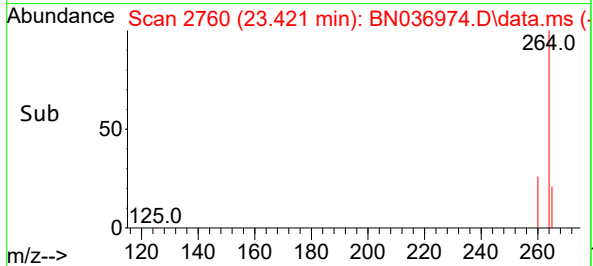
Tgt Ion:264 Resp: 4836

Ion Ratio Lower Upper

264 100

260 27.7 22.2 33.2

265 58.3 65.8 98.6#



Report of Analysis

Client:	G Environmental	Date Collected:	05/01/25
Project:	Amsterdam	Date Received:	05/01/25
Client Sample ID:	GB3B	SDG No.:	Q1939
Lab Sample ID:	Q1939-06	Matrix:	SOIL
Analytical Method:	SW8270ESIM	% Solid:	88.5
Sample Wt/Vol:	30.07 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
BN036978.D	1	05/08/25 10:03	05/08/25 18:05	PB167915

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
123-91-1	1,4-Dioxane	1.80	U	1.80	7.40	ug/Kg
SURROGATES						
7297-45-2	2-Methylnaphthalene-d10	0.42		30 (17) - 150 (161)	106%	SPK: 0.4
93951-69-0	Fluoranthene-d10	0.24		30 (23) - 150 (138)	61%	SPK: 0.4
4165-60-0	Nitrobenzene-d5	6.93	*	30 (33) - 130 (121)	1732%	SPK: 0.4
321-60-8	2-Fluorobiphenyl	0.053	*	30 (32) - 130 (121)	13%	SPK: 0.4
1718-51-0	Terphenyl-d14	0.20		30 (21) - 130 (130)	49%	SPK: 0.4
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	3570		7.625		
1146-65-2	Naphthalene-d8	9660		10.404		
15067-26-2	Acenaphthene-d10	26500		14.266		
1517-22-2	Phenanthrene-d10	7590		17.033		
1719-03-5	Chrysene-d12	6900		21.215		
1520-96-3	Perylene-d12	7150		23.421		

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN050825\
 Data File : BN036978.D
 Acq On : 08 May 2025 18:05
 Operator : RC/JU
 Sample : Q1939-06
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 GB3B

Manual Integrations
 APPROVED

Reviewed By :Rahul Chavli 05/09/2025
 Supervised By :Jagrut Upadhyay 05/09/2025

Quant Time: May 08 18:28:38 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN042825.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Apr 28 15:35:03 2025
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.625	152	3567	0.400	ng	# 0.00
7) Naphthalene-d8	10.404	136	9662	0.400	ng	#-0.01
13) Acenaphthene-d10	14.266	164	26498	0.400	ng	#-0.01
19) Phenanthrene-d10	17.033	188	7588	0.400	ng	# 0.01
29) Chrysene-d12	21.215	240	6896	0.400	ng	# 0.00
35) Perylene-d12	23.421	264	7149	0.400	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.220	112	2181	0.239	ng	0.00
5) Phenol-d6	6.809	99	7430	0.662	ng	0.00
8) Nitrobenzene-d5	8.760	82	70053	6.930	ng	-0.02
11) 2-Methylnaphthalene-d10	12.016	152	5724	0.424	ng	0.00
14) 2,4,6-Tribromophenol	0.000	330	0d	0.000	ng	
15) 2-Fluorobiphenyl	12.888	172	6785m	0.053	ng	-0.01
27) Fluoranthene-d10	19.063	212	4801	0.244	ng	0.00
31) Terphenyl-d14	19.663	244	3183	0.196	ng	0.00
Target Compounds						Qvalue
12) 2-Methylnaphthalene	12.097	142	3671578	201.969	ng	96
18) Fluorene	15.336	166	296195	2.662	ng	# 79
25) Phenanthrene	17.071	178	899419	35.912	ng	# 90
26) Anthracene	17.157	178	120627	5.325	ng	# 79
28) Fluoranthene	19.091	202	98144	3.497	ng	# 91
30) Pyrene	19.453	202	160708	4.839	ng	98
32) Benzo(a)anthracene	21.197	228	33457	1.317	ng	# 88
33) Chrysene	21.251	228	35222	1.286	ng	# 93
34) Bis(2-ethylhexyl)phtha...	21.144	149	3374	0.234	ng	91
36) Indeno(1,2,3-cd)pyrene	25.634	276	18789	0.644	ng	97
37) Benzo(b)fluoranthene	22.760	252	37102	1.234	ng	97
38) Benzo(k)fluoranthene	22.801	252	12029m	0.398	ng	
39) Benzo(a)pyrene	23.325	252	32232m	1.304	ng	
40) Dibenzo(a,h)anthracene	25.634	278	7215	0.314	ng	# 88
41) Benzo(g,h,i)perylene	26.313	276	24364	0.955	ng	99

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

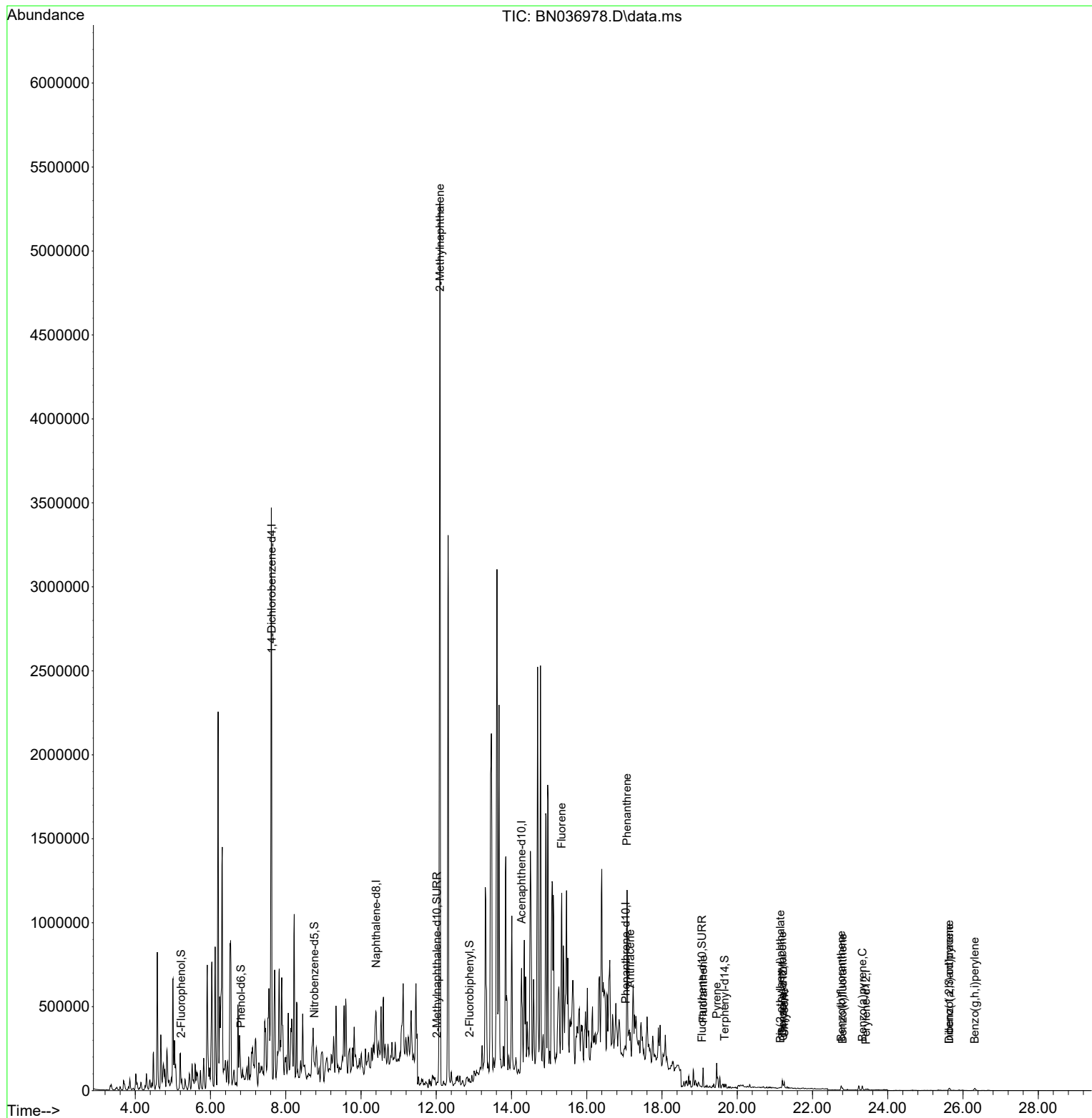
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Data File : BN036978.D
Acq On : 08 May 2025 18:05
Operator : RC/JU
Sample : Q1939-06
Misc :
ALS Vial : 8 Sample Multiplier: 1

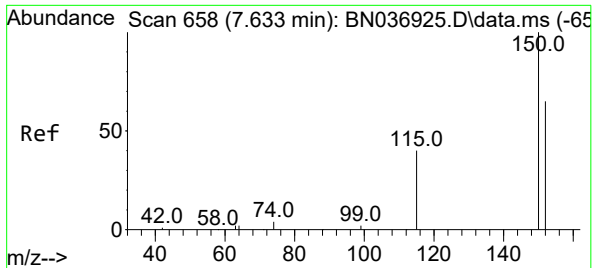
Instrument :
BNA_N
ClientSampleId :
GB3B

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 05/09/2025
Supervised By :Jagrut Upadhyay 05/09/2025

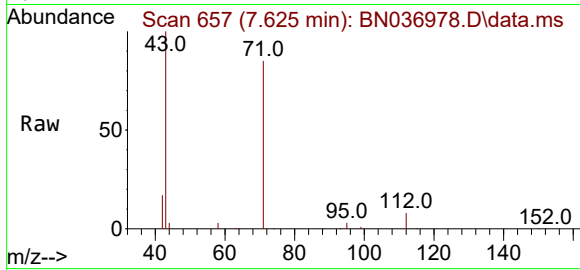
Quant Time: May 08 18:28:38 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN042825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Apr 28 15:35:03 2025
Response via : Initial Calibration





#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.625 min Scan# 61
Delta R.T. -0.008 min
Lab File: BN036978.D
Acq: 08 May 2025 18:05

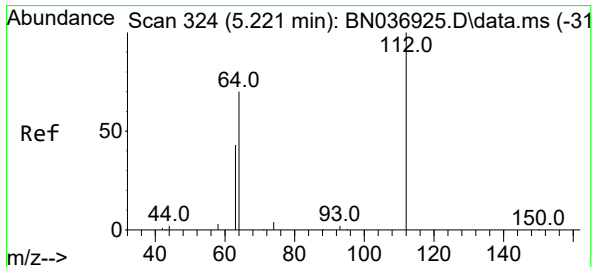
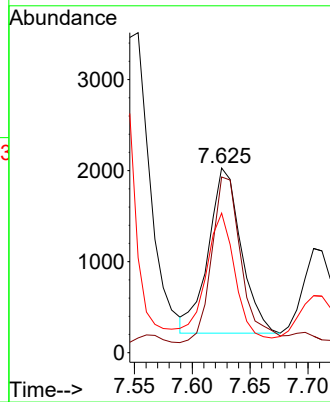
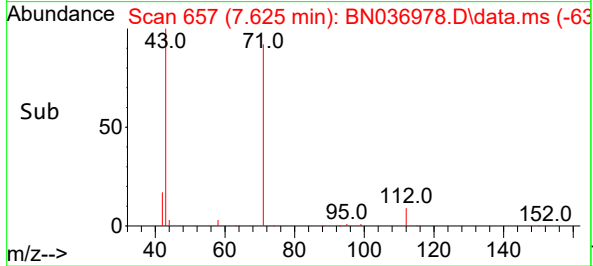
Instrument :
BNA_N
ClientSampleId :
GB3B



Tgt Ion:152 Resp: 356
Ion Ratio Lower Upper
152 100
150 95.2 121.1 181.7
115 75.5 51.8 77.6

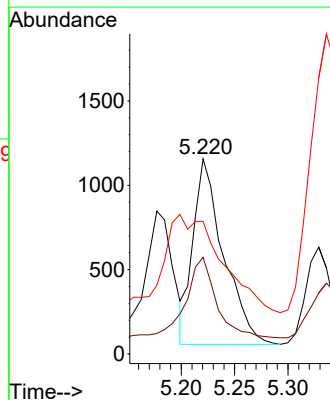
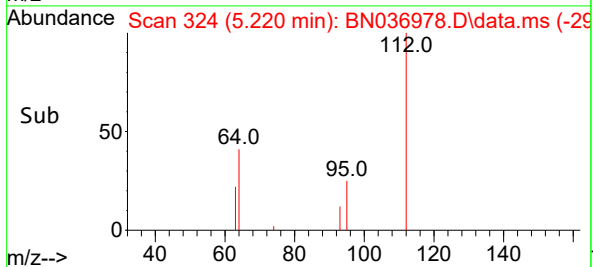
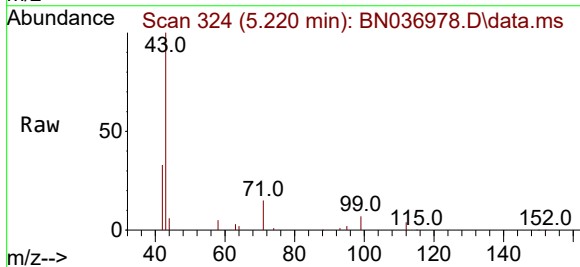
Manual Integrations
APPROVED

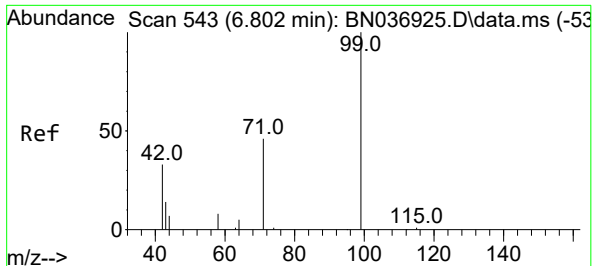
Reviewed By :Rahul Chavli 05/09/2025
Supervised By :Jagrut Upadhyay 05/09/2025



#4
2-Fluorophenol
Concen: 0.239 ng
RT: 5.220 min Scan# 324
Delta R.T. -0.000 min
Lab File: BN036978.D
Acq: 08 May 2025 18:05

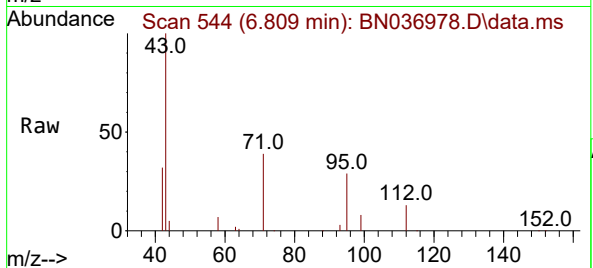
Tgt Ion:112 Resp: 2181
Ion Ratio Lower Upper
112 100
64 53.9 55.7 83.5#
63 0.0 33.9 50.9#





#5
Phenol-d6
Concen: 0.662 ng
RT: 6.809 min Scan# 543
Delta R.T. 0.007 min
Lab File: BN036978.D
Acq: 08 May 2025 18:05

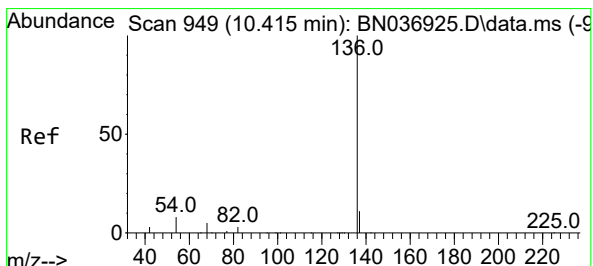
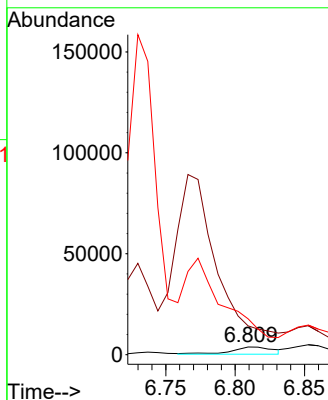
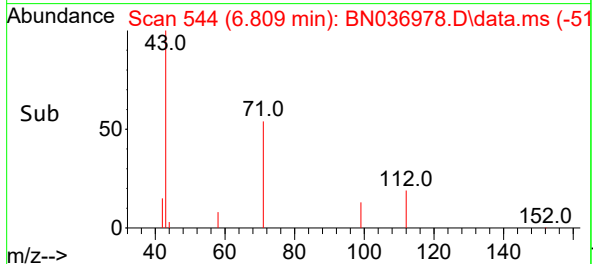
Instrument :
BNA_N
ClientSampleId :
GB3B



Tgt Ion: 99 Resp: 7430
Ion Ratio Lower Upper
99 100
42 0.0 29.6 44.4#
71 0.0 36.0 54.0#

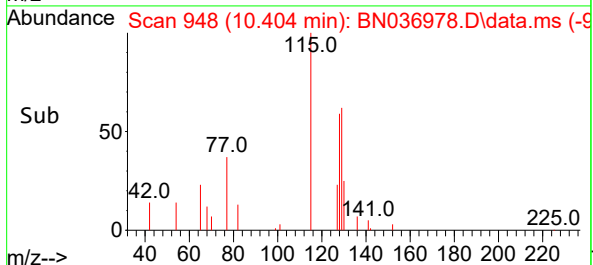
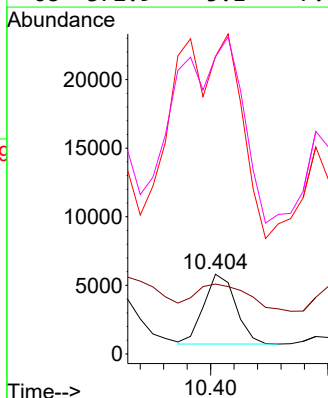
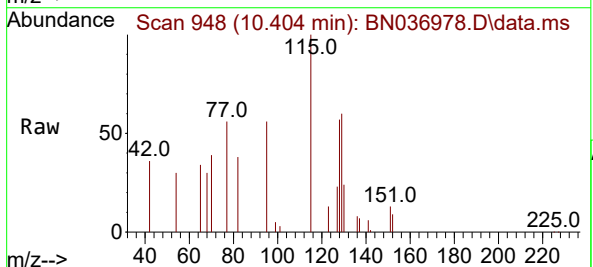
Manual Integrations
APPROVED

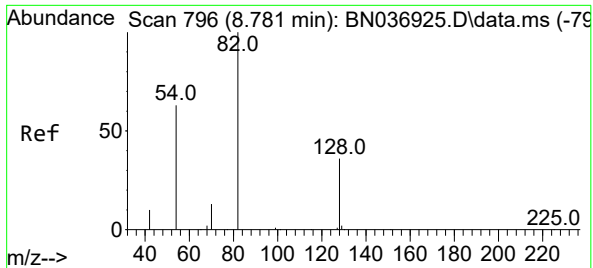
Reviewed By :Rahul Chavli 05/09/2025
Supervised By :Jagrut Upadhyay 05/09/2025



#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.404 min Scan# 948
Delta R.T. -0.011 min
Lab File: BN036978.D
Acq: 08 May 2025 18:05

Tgt Ion:136 Resp: 9662
Ion Ratio Lower Upper
136 100
137 87.7 9.7 14.5#
54 373.3 8.0 12.0#
68 372.9 5.1 7.7#





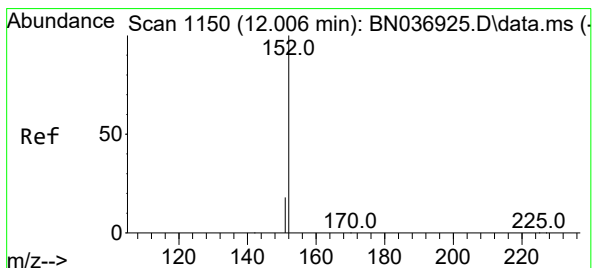
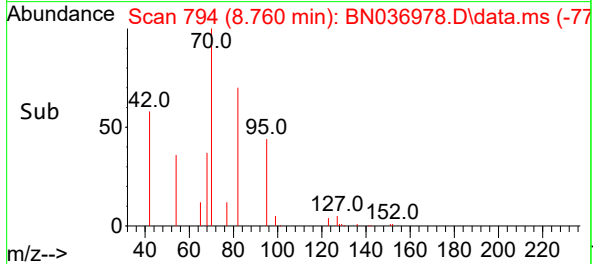
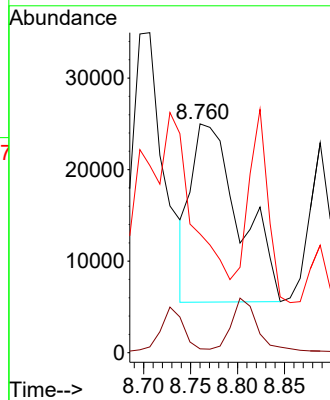
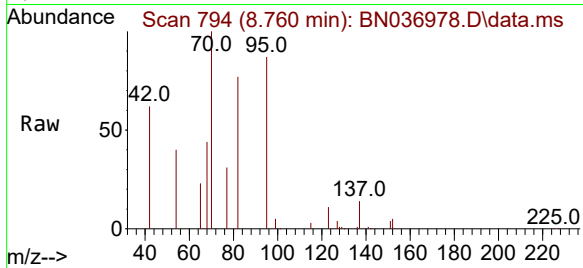
#8
Nitrobenzene-d5
Concen: 6.930 ng
RT: 8.760 min Scan# 796
Delta R.T. -0.022 min
Lab File: BN036978.D
Acq: 08 May 2025 18:05

Instrument :
BNA_N
ClientSampleId :
GB3B

Tgt Ion: 82 Resp: 7005
Ion Ratio Lower Upper
82 100
128 1.7 30.7 46.1
54 51.9 52.1 78.1

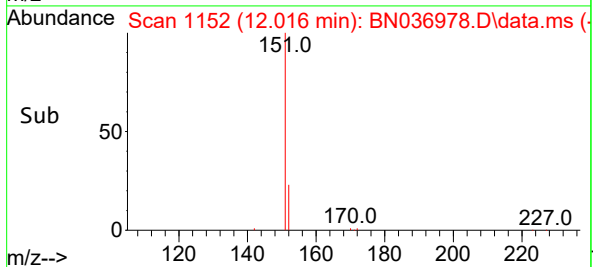
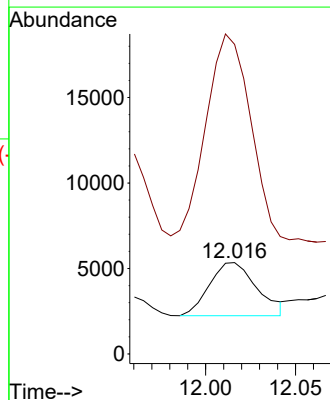
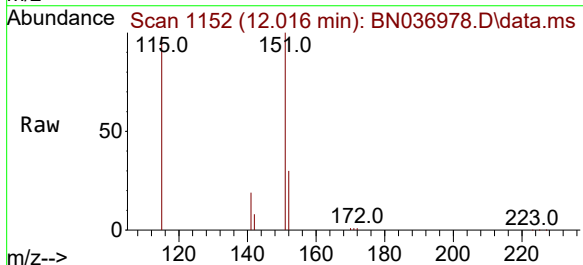
Manual Integrations
APPROVED

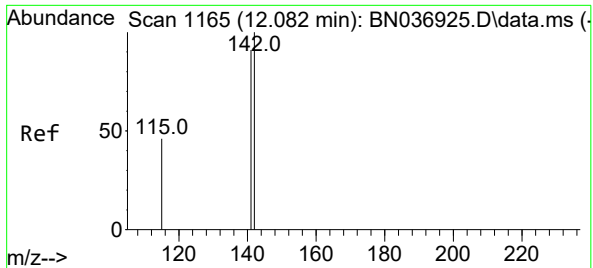
Reviewed By :Rahul Chavli 05/09/2025
Supervised By :Jagrut Upadhyay 05/09/2025



#11
2-Methylnaphthalene-d10
Concen: 0.424 ng
RT: 12.016 min Scan# 1152
Delta R.T. 0.010 min
Lab File: BN036978.D
Acq: 08 May 2025 18:05

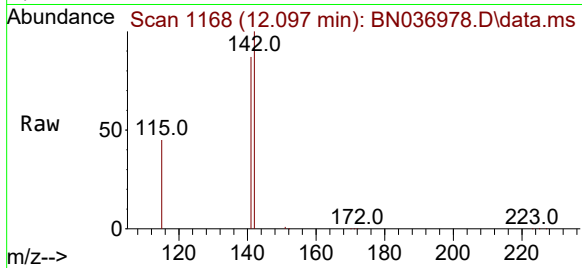
Tgt Ion:152 Resp: 5724
Ion Ratio Lower Upper
152 100
151 413.9 16.9 25.3





#12
2-Methylnaphthalene
Concen: 201.969 ng
RT: 12.097 min Scan# 1165
Delta R.T. 0.015 min
Lab File: BN036978.D
Acq: 08 May 2025 18:05

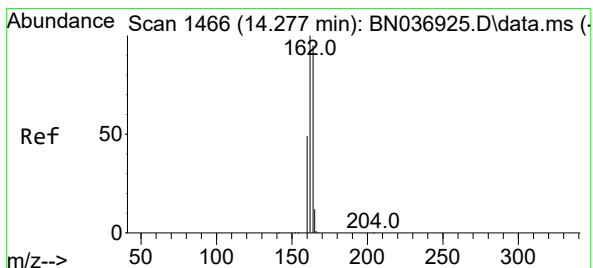
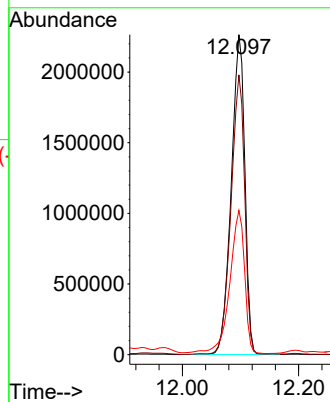
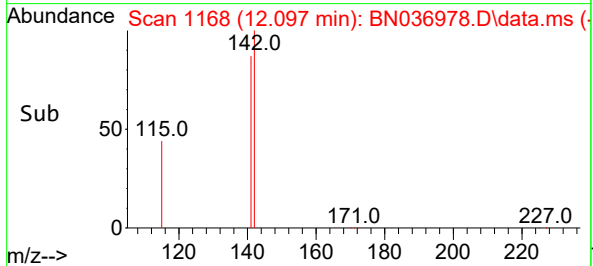
Instrument :
BNA_N
ClientSampleId :
GB3B



Tgt Ion:142 Resp: 3671578
Ion Ratio Lower Upper
142 100
141 87.4 72.8 109.2
115 45.1 38.2 57.4

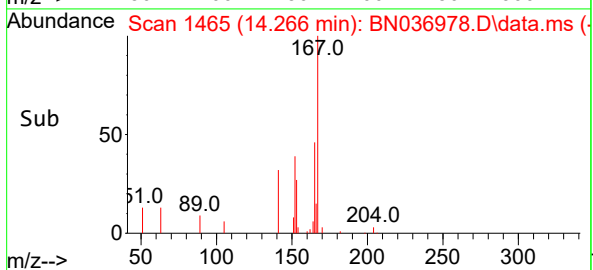
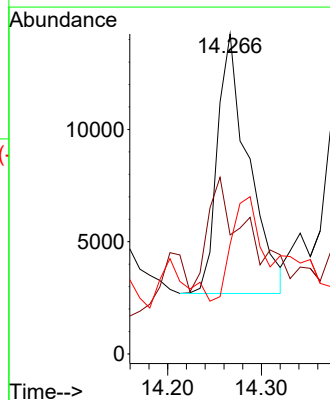
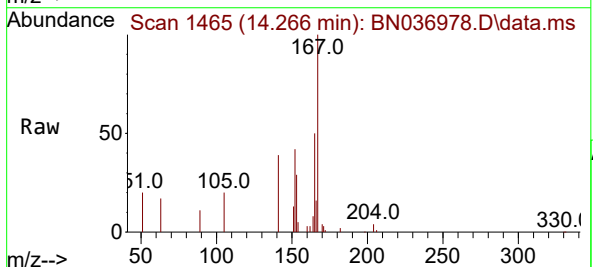
Manual Integrations
APPROVED

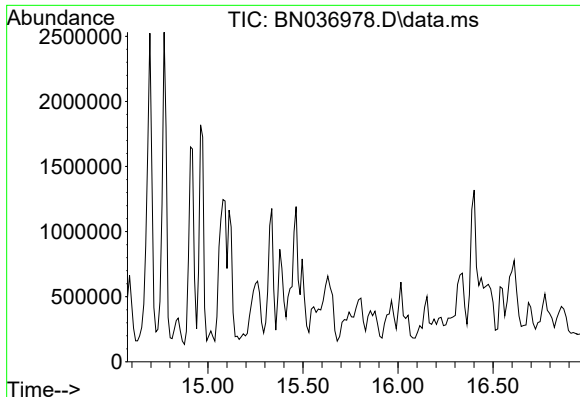
Reviewed By :Rahul Chavli 05/09/2025
Supervised By :Jagrut Upadhyay 05/09/2025



#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.266 min Scan# 1465
Delta R.T. -0.011 min
Lab File: BN036978.D
Acq: 08 May 2025 18:05

Tgt Ion:164 Resp: 26498
Ion Ratio Lower Upper
164 100
162 37.2 83.8 125.8#
160 34.3 42.0 63.0#





#14
2,4,6-Tribromophenol
Concen: 0.000 ng
Expected RT: 15.77 min

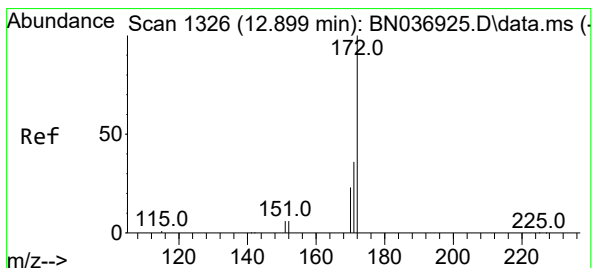
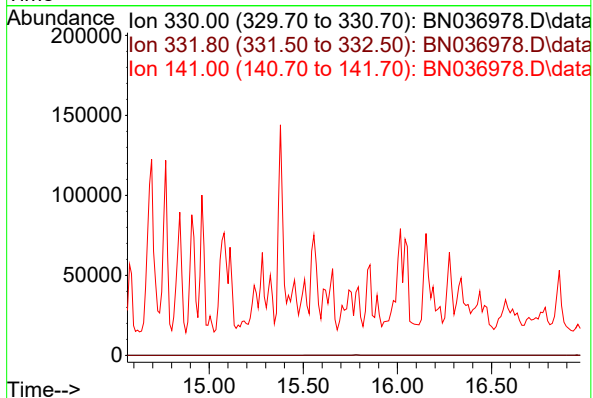
Lab File: BN036978.D
Acq: 08 May 2025 18:05

Tgt Ion: 330
Sig Exp Ratio
330 100
332 95.4
141 56.8

Instrument :
BNA_N
ClientSampleId :
GB3B

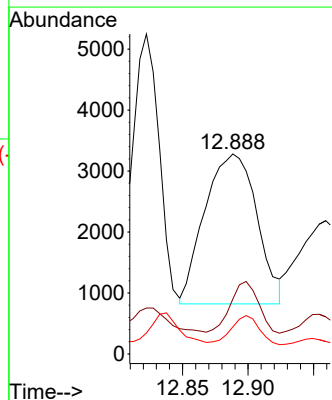
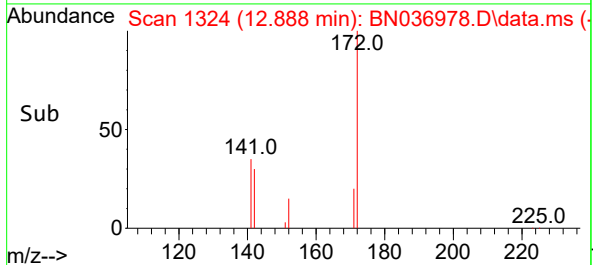
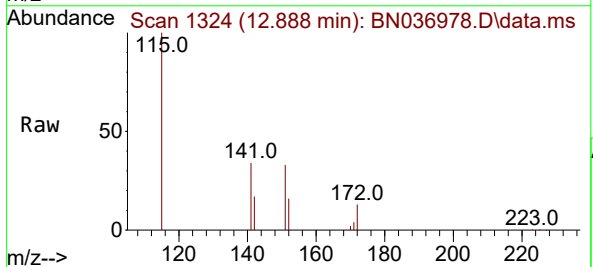
Manual Integrations
APPROVED

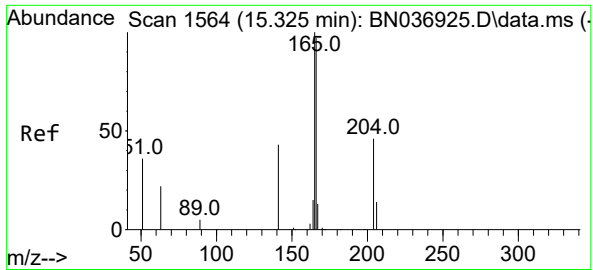
Reviewed By :Rahul Chavli 05/09/2025
Supervised By :Jagrut Upadhyay 05/09/2025



#15
2-Fluorobiphenyl
Concen: 0.053 ng m
RT: 12.888 min Scan# 1324
Delta R.T. -0.010 min
Lab File: BN036978.D
Acq: 08 May 2025 18:05

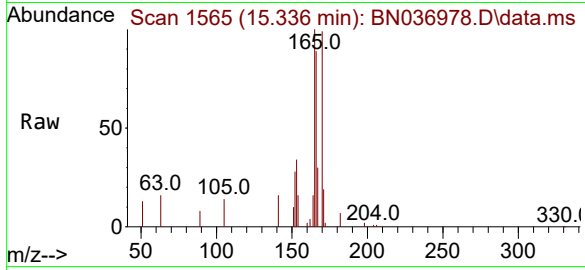
Tgt Ion:172 Resp: 6785
Ion Ratio Lower Upper
172 100
171 27.5 29.4 44.0#
170 13.5 19.4 29.0#





#18
Fluorene
Concen: 2.662 ng
RT: 15.336 min Scan# 1564
Delta R.T. 0.010 min
Lab File: BN036978.D
Acq: 08 May 2025 18:05

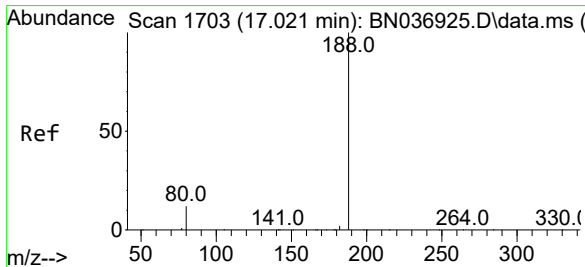
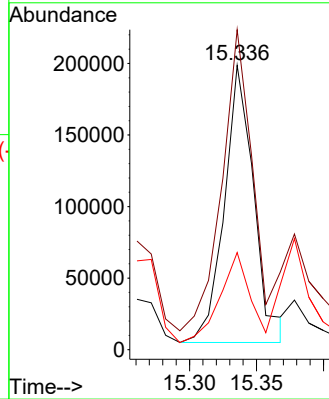
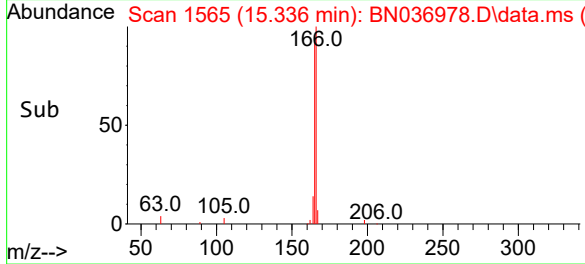
Instrument :
BNA_N
ClientSampleId :
GB3B



Tgt Ion:166 Resp: 29619
Ion Ratio Lower Upper
166 100
165 117.9 80.8 121.2
167 33.4 10.8 16.2

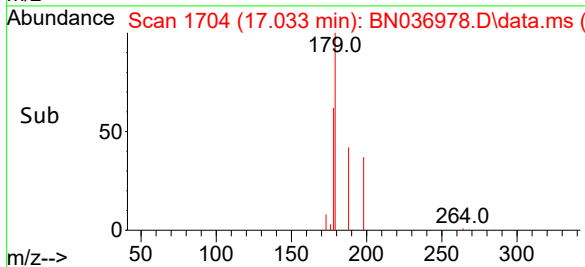
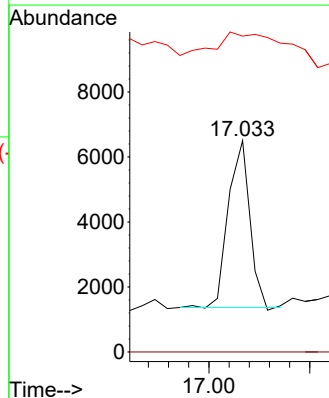
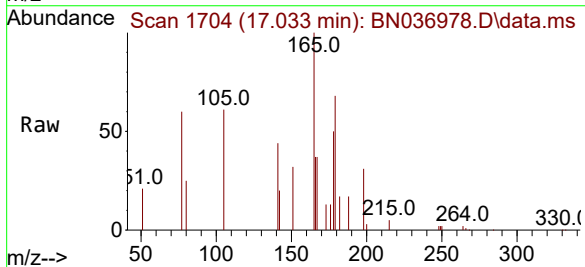
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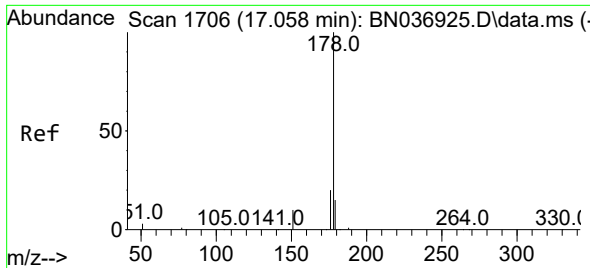
Reviewed By :Rahul Chavli 05/09/2025
Supervised By :Jagrut Upadhyay 05/09/2025



#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.033 min Scan# 1704
Delta R.T. 0.012 min
Lab File: BN036978.D
Acq: 08 May 2025 18:05

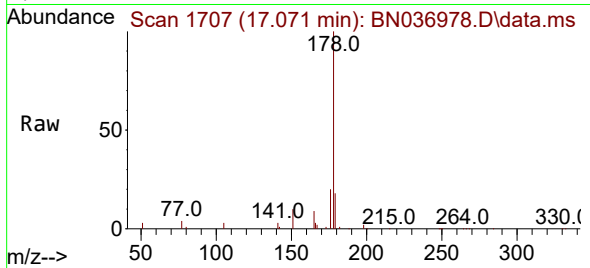
Tgt Ion:188 Resp: 7588
Ion Ratio Lower Upper
188 100
94 0.0 0.0 0.0
80 149.4 10.7 16.1





#25
Phenanthrene
Concen: 35.912 ng
RT: 17.071 min Scan# 1706
Delta R.T. 0.012 min
Lab File: BN036978.D
Acq: 08 May 2025 18:05

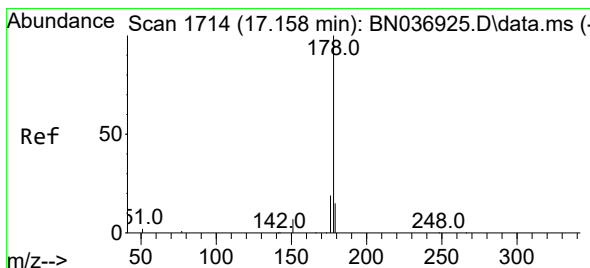
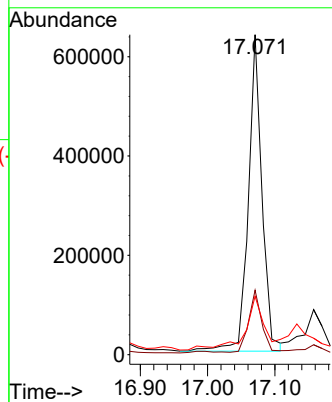
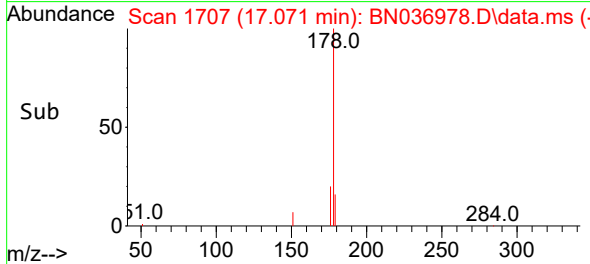
Instrument :
BNA_N
ClientSampleId :
GB3B



Tgt Ion:178 Resp: 899419
Ion Ratio Lower Upper
178 100
176 19.0 15.7 23.5
179 24.7 12.4 18.6

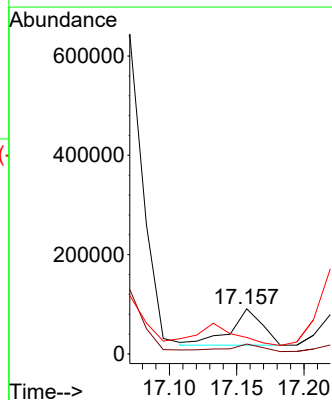
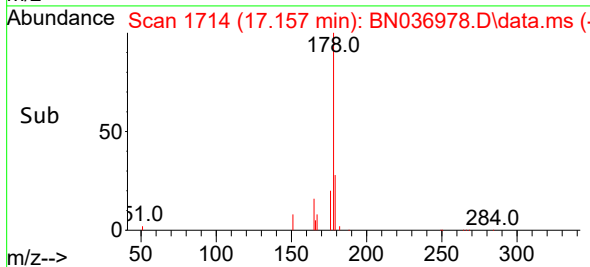
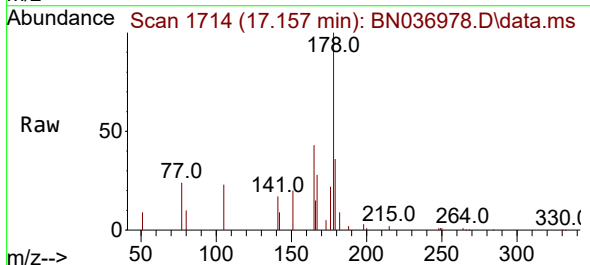
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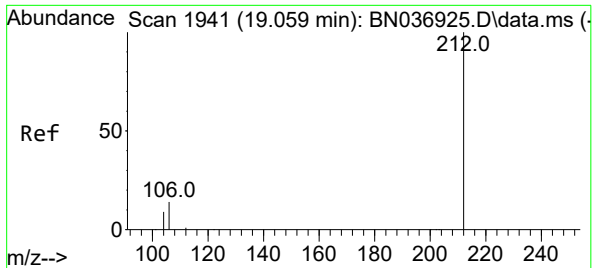
Reviewed By :Rahul Chavli 05/09/2025
Supervised By :Jagrut Upadhyay 05/09/2025



#26
Anthracene
Concen: 5.325 ng
RT: 17.157 min Scan# 1714
Delta R.T. -0.000 min
Lab File: BN036978.D
Acq: 08 May 2025 18:05

Tgt Ion:178 Resp: 120627
Ion Ratio Lower Upper
178 100
176 23.3 15.3 22.9#
179 0.0 12.1 18.1#





#27

Fluoranthene-d10

Concen: 0.244 ng

RT: 19.063 min Scan# 1941

Delta R.T. 0.004 min

Lab File: BN036978.D

Acq: 08 May 2025 18:05

Instrument :

BNA_N

ClientSampleId :

GB3B

Tgt Ion:212 Resp: 480

Ion Ratio Lower Upper

212 100

106 0.0 11.6 17.4

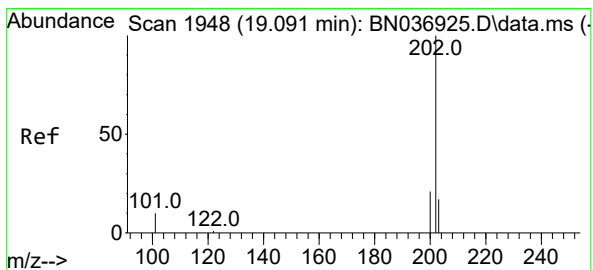
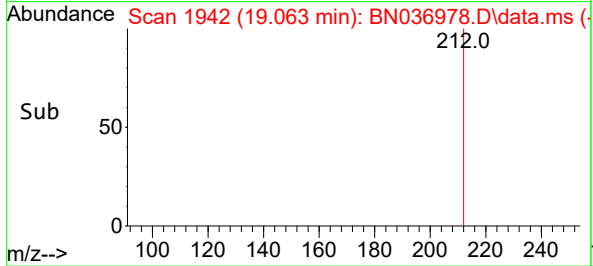
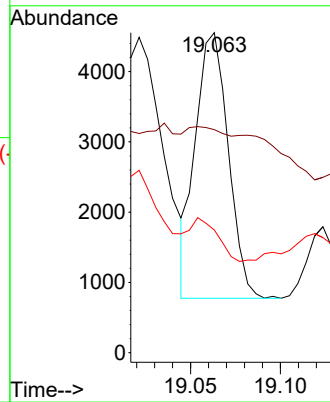
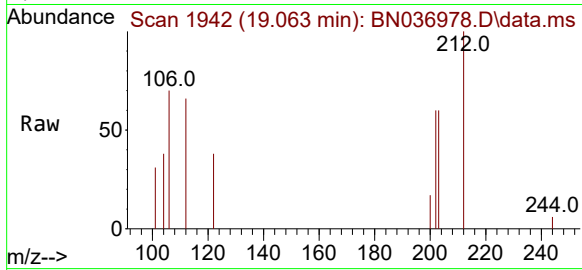
104 14.0 7.0 10.4

Manual Integrations

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Reviewed By :Rahul Chavli 05/09/2025

Supervised By :Jagrut Upadhyay 05/09/2025



#28

Fluoranthene

Concen: 3.497 ng

RT: 19.091 min Scan# 1948

Delta R.T. -0.000 min

Lab File: BN036978.D

Acq: 08 May 2025 18:05

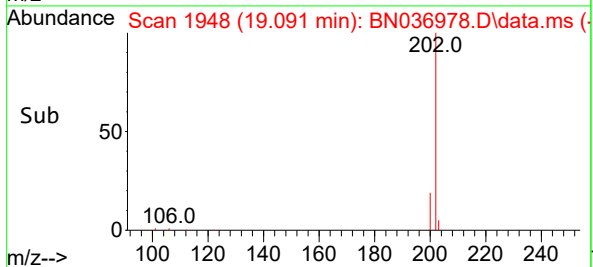
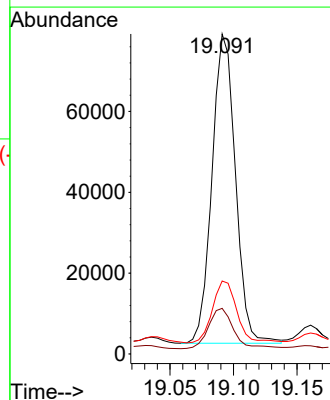
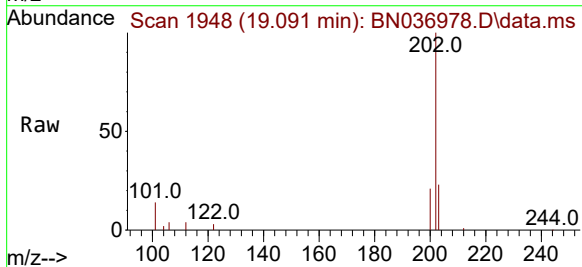
Tgt Ion:202 Resp: 98144

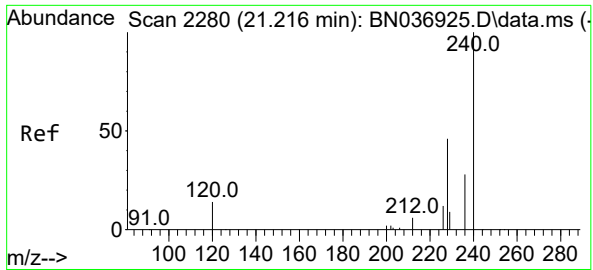
Ion Ratio Lower Upper

202 100

101 14.0 8.5 12.7#

203 21.1 13.7 20.5#





#29

Chrysene-d12

Concen: 0.400 ng

RT: 21.215 min Scan# 21

Delta R.T. -0.000 min

Lab File: BN036978.D

Acq: 08 May 2025 18:05

Instrument :

BNA_N

ClientSampleId :

GB3B

Tgt Ion:240 Resp: 6890

Ion Ratio Lower Upper

240 100

120 21.4 14.1 21.1

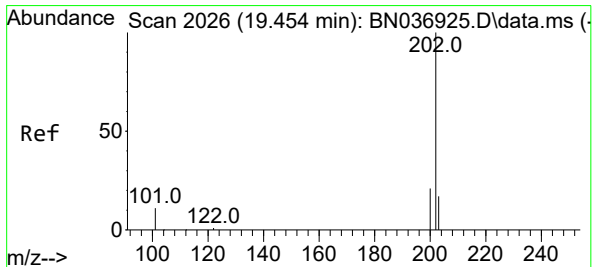
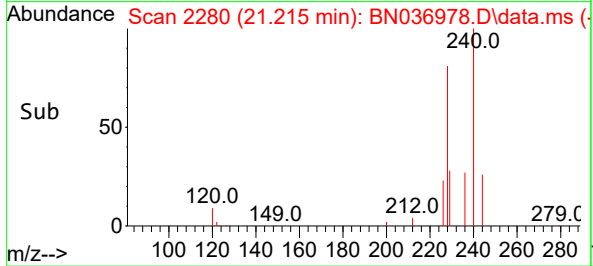
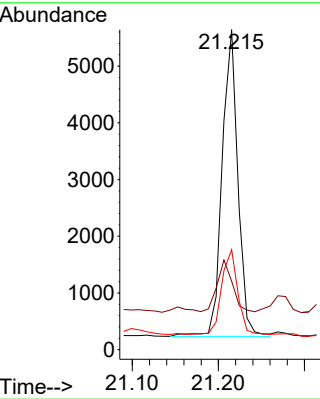
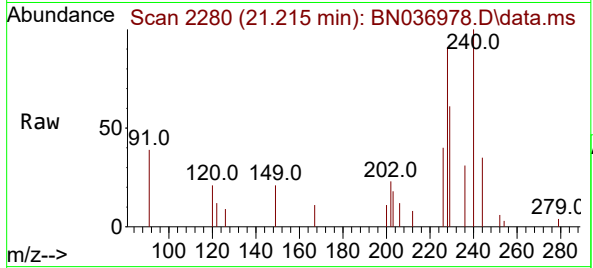
236 31.2 23.8 35.8

Manual Integrations

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Reviewed By :Rahul Chavli 05/09/2025

Supervised By :Jagrut Upadhyay 05/09/2025



#30

Pyrene

Concen: 4.839 ng

RT: 19.453 min Scan# 2026

Delta R.T. -0.000 min

Lab File: BN036978.D

Acq: 08 May 2025 18:05

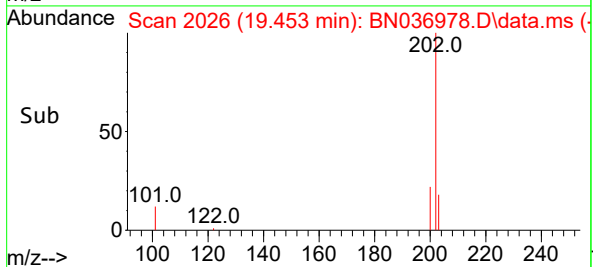
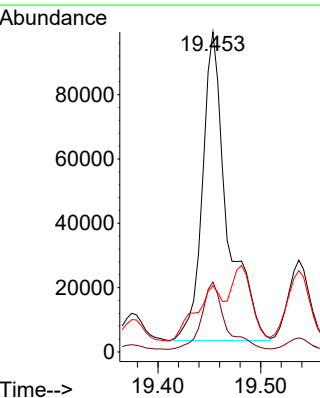
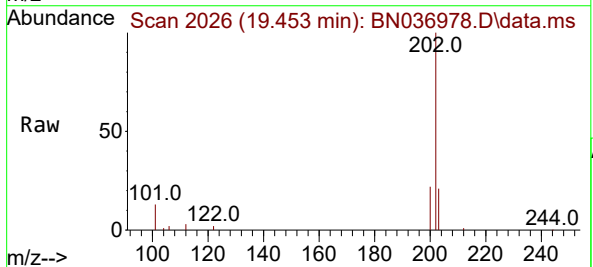
Tgt Ion:202 Resp: 160708

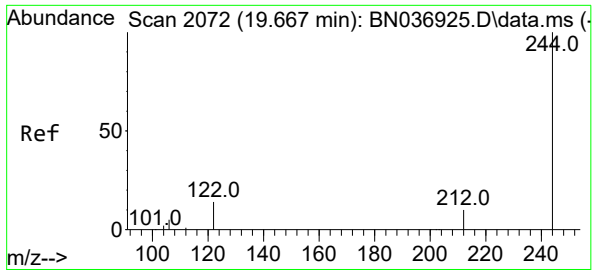
Ion Ratio Lower Upper

202 100

200 20.5 17.0 25.6

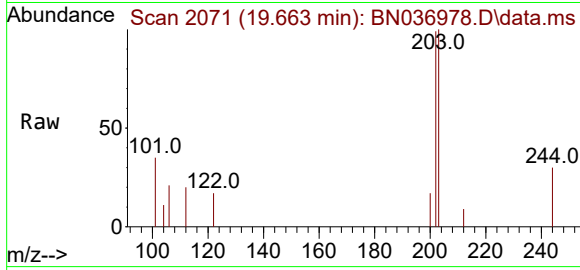
203 18.8 14.0 21.0





#31
Terphenyl-d14
Concen: 0.196 ng
RT: 19.663 min Scan# 2072
Delta R.T. -0.005 min
Lab File: BN036978.D
Acq: 08 May 2025 18:05

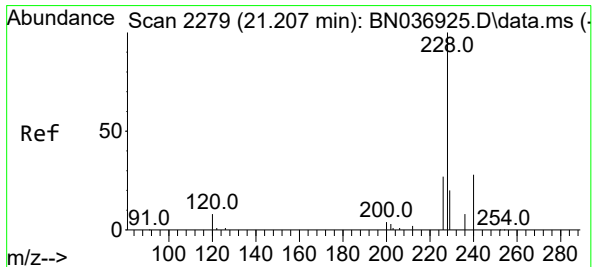
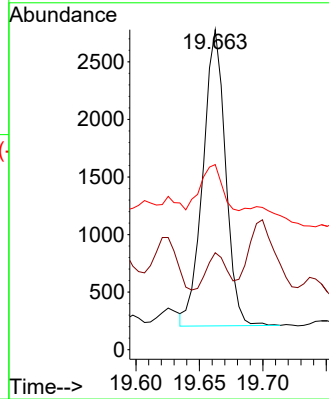
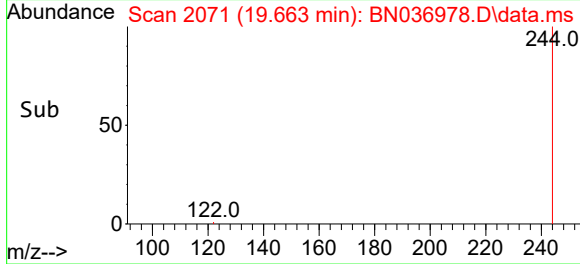
Instrument :
BNA_N
ClientSampleId :
GB3B



Tgt Ion:244 Resp: 318
Ion Ratio Lower Upper
244 100
212 30.3 9.6 14.4
122 57.9 12.7 19.1

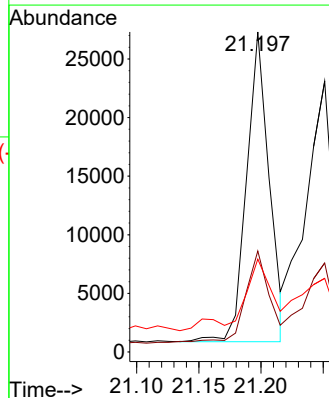
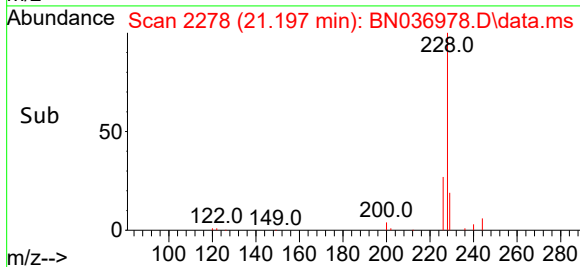
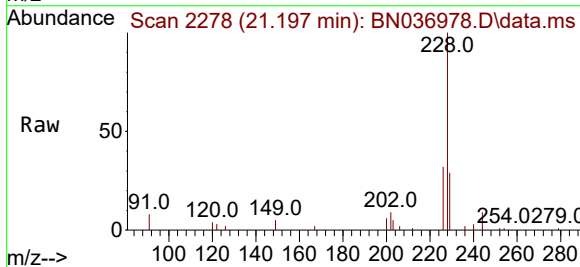
Manual Integrations
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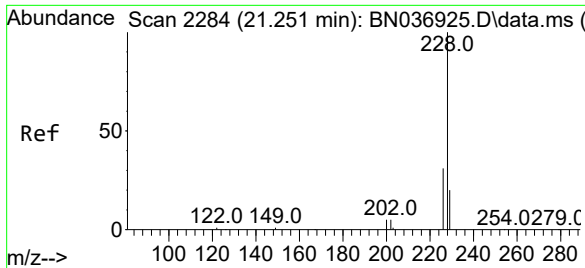
Reviewed By :Rahul Chavli 05/09/2025
Supervised By :Jagrut Upadhyay 05/09/2025



#32
Benzo(a)anthracene
Concen: 1.317 ng
RT: 21.197 min Scan# 2278
Delta R.T. -0.009 min
Lab File: BN036978.D
Acq: 08 May 2025 18:05

Tgt Ion:228 Resp: 33457
Ion Ratio Lower Upper
228 100
226 31.5 22.2 33.4
229 29.0 16.4 24.6





#33

Chrysene

Concen: 1.286 ng

RT: 21.251 min Scan# 21

Delta R.T. -0.000 min

Lab File: BN036978.D

Acq: 08 May 2025 18:05

Instrument :

BNA_N

ClientSampleId :

GB3B

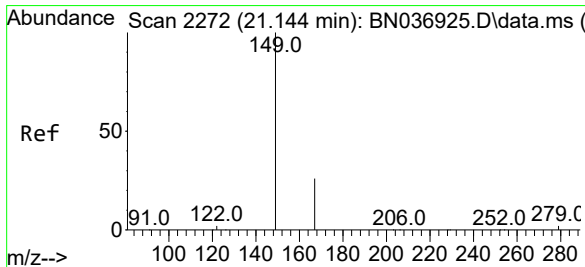
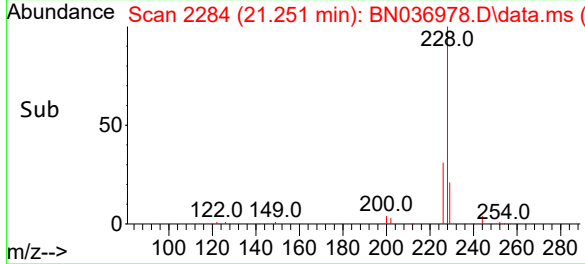
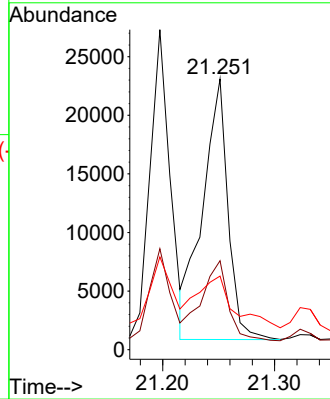
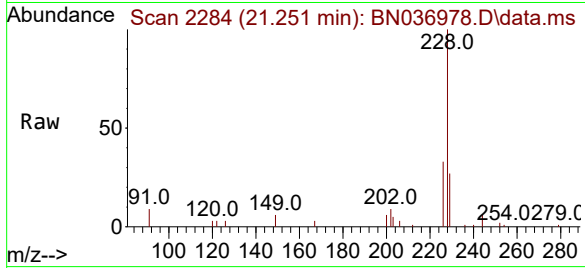
Tgt Ion:	228	Resp:	3522
Ion Ratio	Lower	Upper	
228	100		
226	32.8	25.5	38.3
229	27.2	16.5	24.7

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 05/09/2025

Supervised By :Jagrut Upadhyay 05/09/2025



#34

Bis(2-ethylhexyl)phthalate

Concen: 0.234 ng

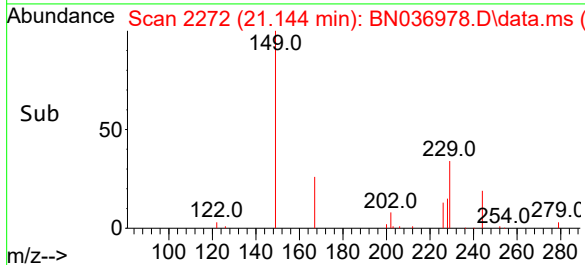
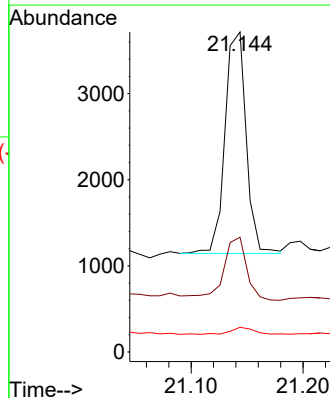
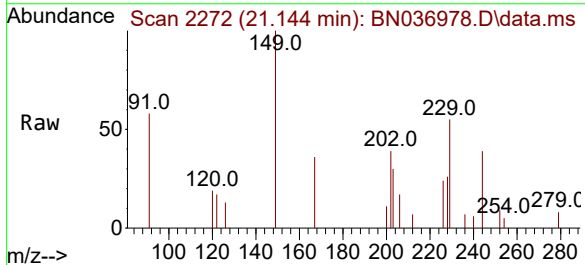
RT: 21.144 min Scan# 2272

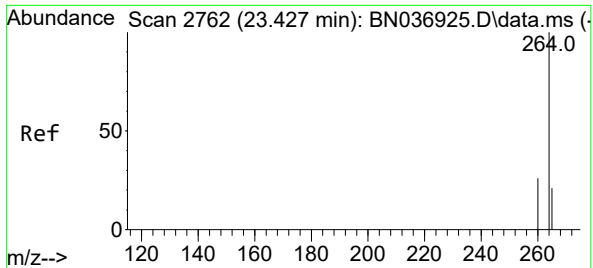
Delta R.T. -0.000 min

Lab File: BN036978.D

Acq: 08 May 2025 18:05

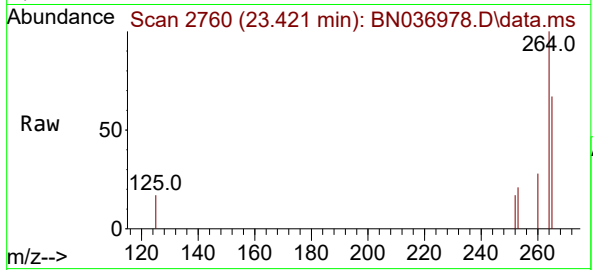
Tgt Ion:	149	Resp:	3374
Ion Ratio	Lower	Upper	
149	100		
167	31.2	21.0	31.6
279	3.5	2.7	4.1





#35
Perylene-d12
Concen: 0.400 ng
RT: 23.421 min Scan# 21
Delta R.T. -0.006 min
Lab File: BN036978.D
Acq: 08 May 2025 18:05

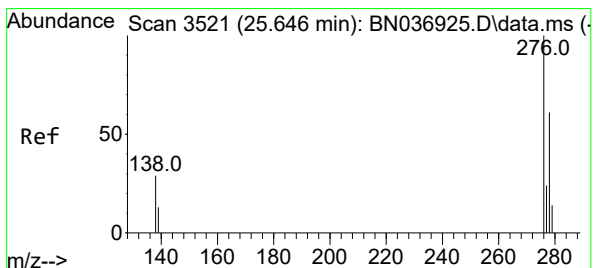
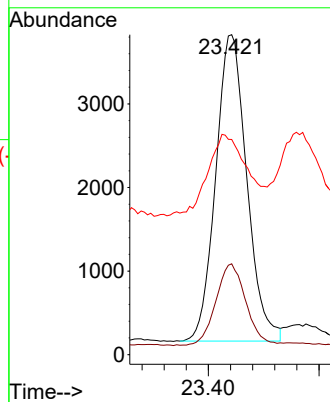
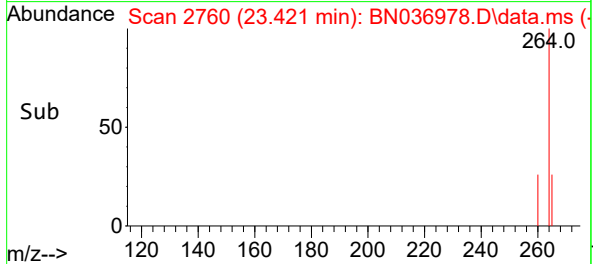
Instrument :
BNA_N
ClientSampleId :
GB3B



Tgt Ion:264 Resp: 7149
Ion Ratio Lower Upper
264 100
260 28.4 22.2 33.2
265 67.3 65.8 98.6

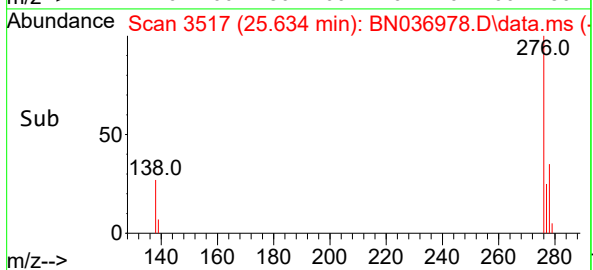
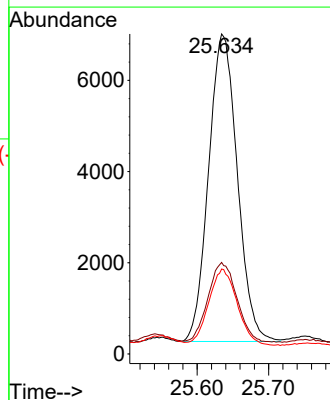
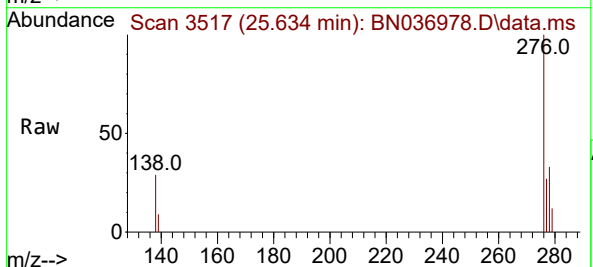
Manual Integrations
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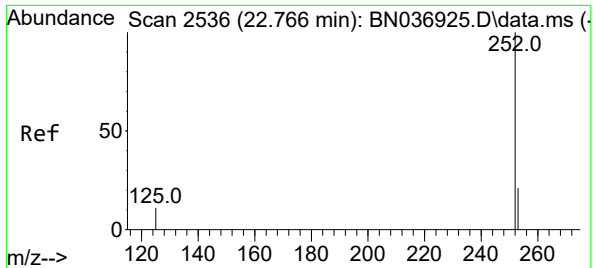
Reviewed By :Rahul Chavli 05/09/2025
Supervised By :Jagrut Upadhyay 05/09/2025



#36
Indeno(1,2,3-cd)pyrene
Concen: 0.644 ng
RT: 25.634 min Scan# 3517
Delta R.T. -0.012 min
Lab File: BN036978.D
Acq: 08 May 2025 18:05

Tgt Ion:276 Resp: 18789
Ion Ratio Lower Upper
276 100
138 26.2 23.0 34.6
277 24.7 20.0 30.0





#37

Benzo(b)fluoranthene

Concen: 1.234 ng

RT: 22.760 min Scan# 2536

Delta R.T. -0.006 min

Lab File: BN036978.D

Acq: 08 May 2025 18:05

Instrument :

BNA_N

ClientSampleId :

GB3B

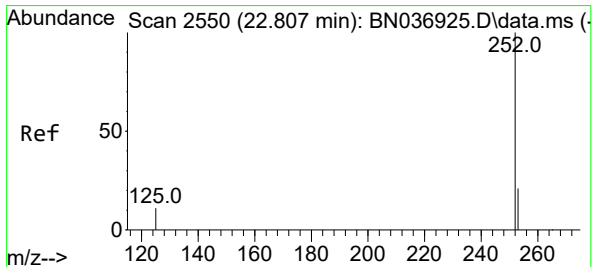
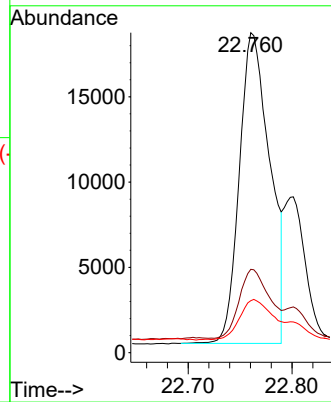
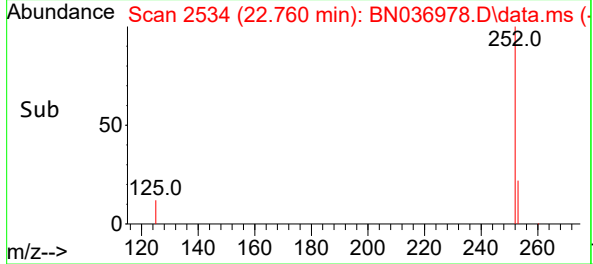
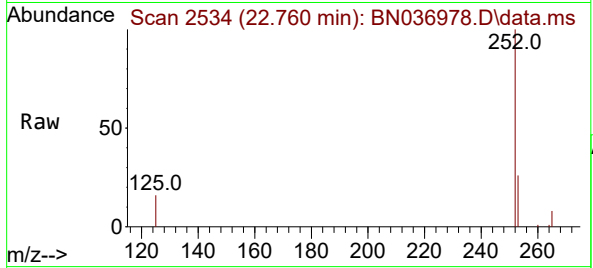
Tgt Ion:	252	Resp:	3710
Ion Ratio	Lower	Upper	
252	100		
253	26.0	22.1	33.1
125	16.3	14.2	21.2

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 05/09/2025

Supervised By :Jagrut Upadhyay 05/09/2025



#38

Benzo(k)fluoranthene

Concen: 0.398 ng m

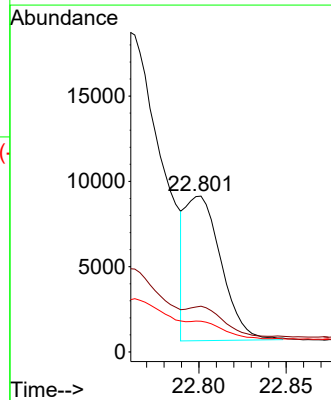
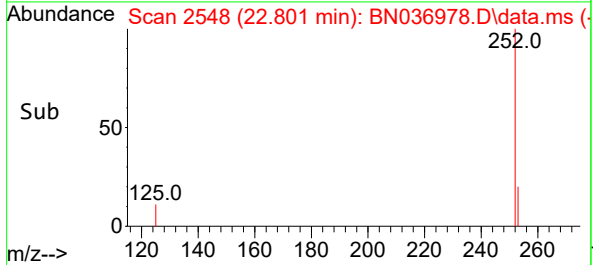
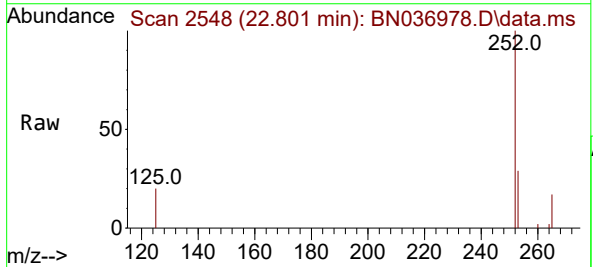
RT: 22.801 min Scan# 2548

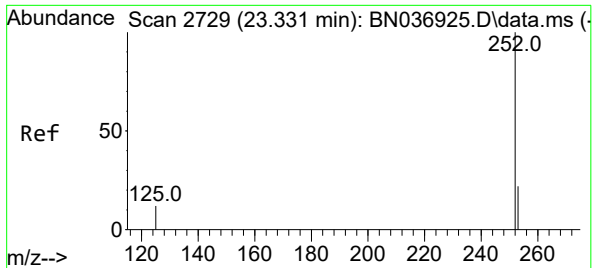
Delta R.T. -0.006 min

Lab File: BN036978.D

Acq: 08 May 2025 18:05

Tgt Ion:	252	Resp:	12029
Ion Ratio	Lower	Upper	
252	100		
253	29.3	22.8	34.2
125	19.7	14.2	21.2





#39

Benzo(a)pyrene

Concen: 1.304 ng m

RT: 23.325 min Scan# 21

Delta R.T. -0.006 min

Lab File: BN036978.D

Acq: 08 May 2025 18:05

Instrument :

BNA_N

ClientSampleId :

GB3B

Tgt Ion:252 Resp: 3223

Ion Ratio Lower Upper

252 100

253 25.3 25.9 38.9

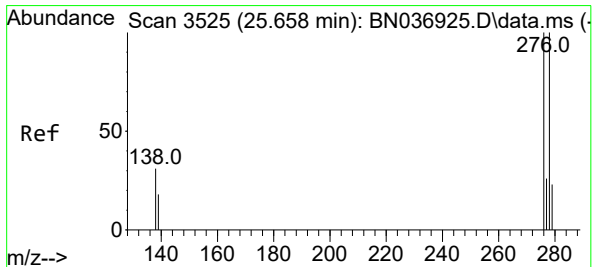
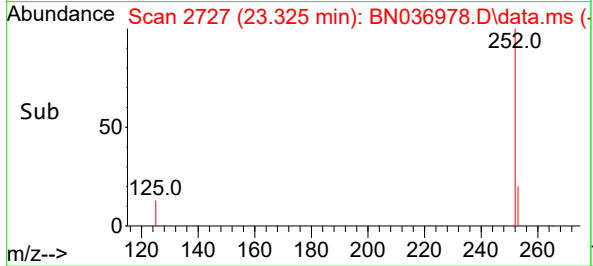
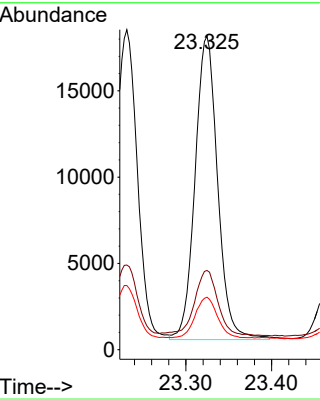
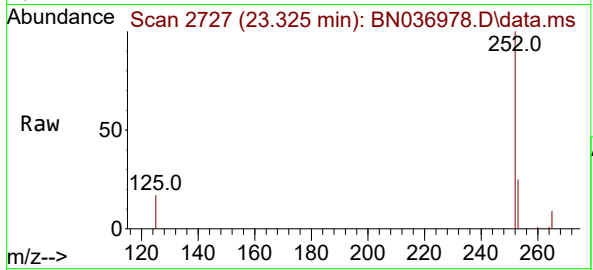
125 16.8 17.4 26.0

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 05/09/2025

Supervised By :Jagrut Upadhyay 05/09/2025



#40

Dibenzo(a,h)anthracene

Concen: 0.314 ng

RT: 25.634 min Scan# 3517

Delta R.T. -0.024 min

Lab File: BN036978.D

Acq: 08 May 2025 18:05

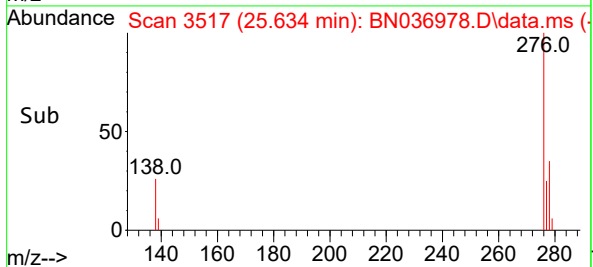
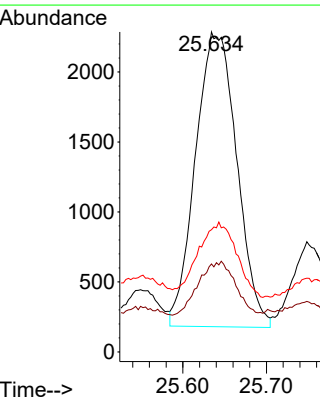
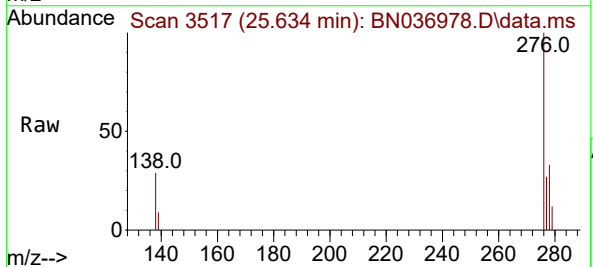
Tgt Ion:278 Resp: 7215

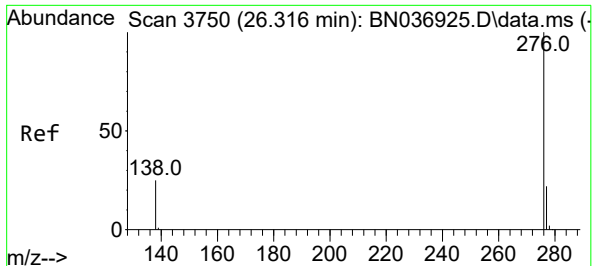
Ion Ratio Lower Upper

278 100

139 27.5 17.4 26.2#

279 38.2 24.9 37.3#





#41

Benzo(g,h,i)perylene

Concen: 0.955 ng

RT: 26.313 min Scan# 31

Delta R.T. -0.003 min

Lab File: BN036978.D

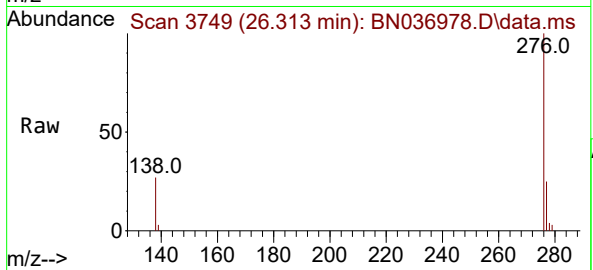
Acq: 08 May 2025 18:05

Instrument :

BNA_N

ClientSampleId :

GB3B



Tgt Ion:276 Resp: 24364

Ion Ratio Lower Upper

276 100

277 24.9 20.2 30.2

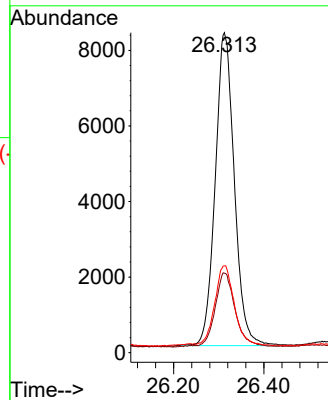
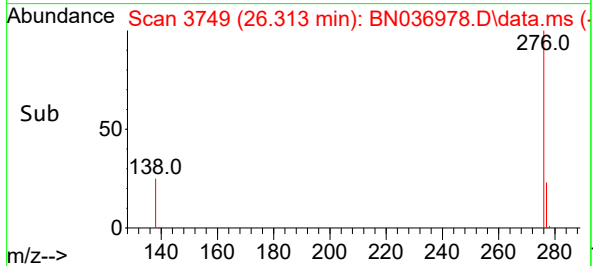
138 27.2 21.9 32.9

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 05/09/2025

Supervised By :Jagrut Upadhyay 05/09/2025





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.: Q1939 SAS No.: Q1939 SDG No.: Q1939
 Instrument ID: BNA_N Calibration Date(s): 04/28/2025 04/28/2025
 Calibration Time(s): 11:35 15:12

LAB FILE ID:		RRF0.1 = BN036923.D			RRF0.2 = BN036924.D		RRF0.4 = BN036925.D	
		RRF0.8 = BN036926.D			RRF1.6 = BN036927.D		RRF3.2 = BN036928.D	
COMPOUND	RRF0.1	RRF0.2	RRF0.4	RRF0.8	RRF1.6	RRF3.2	RRF	% RSD
2-Methylnaphthalene-d10	0.540	0.532	0.541	0.543	0.596	0.575	0.559	4.7
Fluoranthene-d10	0.993	1.004	0.991	1.016	1.087	1.053	1.037	4.7
2-Fluorophenol	1.050	1.056	1.118	0.946	1.040	0.982	1.023	5.9
Phenol-d6	1.270	1.237	1.337	1.151	1.294	1.255	1.259	4.6
Nitrobenzene-d5	0.400	0.401	0.411	0.404	0.446	0.432	0.418	4.5
2-Fluorobiphenyl	1.877	1.975	2.055	1.690	2.023	1.986	1.933	6.3
2,4,6-Tribromophenol	0.156	0.173	0.177	0.175	0.187	0.184	0.178	7.2
Terphenyl-d14	0.974	0.942	0.946	0.893	1.005	0.952	0.944	4.2
1,4-Dioxane	0.452	0.489	0.551	0.506	0.537	0.489	0.498	7.2

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-BN042825.M
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 Last Update : Mon Apr 28 15:35:03 2025
 Response Via : Initial Calibration

Calibration Files

0.1 =BN036923.D 0.2 =BN036924.D 0.4 =BN036925.D 0.8 =BN036926.D 1.6 =BN036927.D 3.2 =BN036928.D 5.0 =BN036929.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	0.452	0.489	0.551	0.506	0.537	0.489	0.465	0.498	7.23
3)	n-Nitrosodimet...	0.903	0.998	1.010	0.957	1.034	0.952	0.918	0.967	5.01
4) S	2-Fluorophenol	1.050	1.056	1.118	0.946	1.040	0.982	0.970	1.023	5.86
5) S	Phenol-d6	1.270	1.237	1.337	1.151	1.294	1.255	1.272	1.259	4.57
6)	bis(2-Chloroet...	1.174	1.123	1.170	1.139	1.240	1.162	1.162	1.167	3.17
7) I	Naphthalene-d8	-----ISTD-----								
8) S	Nitrobenzene-d5	0.400	0.401	0.411	0.404	0.446	0.432	0.436	0.418	4.52
9)	Naphthalene	1.155	1.147	1.155	1.132	1.225	1.170	1.165	1.164	2.56
10)	Hexachlorobuta...	0.260	0.250	0.253	0.249	0.262	0.248	0.240	0.252	2.99
11) SURR	2-Methylnaphth...	0.540	0.532	0.541	0.543	0.596	0.575	0.589	0.559	4.75
12)	2-Methylnaphth...	0.716	0.713	0.719	0.735	0.804	0.782	0.798	0.753	5.41
13) I	Acenaphthene-d10	-----ISTD-----								
14) S	2,4,6-Tribromo...	0.156	0.173	0.177	0.175	0.187	0.184	0.196	0.178	7.18
15) S	2-Fluorobiphenyl	1.877	1.975	2.055	1.690	2.023	1.986	1.928	1.933	6.32
16)	Acenaphthylene	1.876	1.850	1.907	1.884	2.067	2.035	2.066	1.955	4.93
17)	Acenaphthene	1.264	1.270	1.275	1.248	1.333	1.295	1.305	1.284	2.22
18)	Fluorene	1.604	1.612	1.624	1.658	1.788	1.720	1.752	1.680	4.39
19) I	Phenanthrene-d10	-----ISTD-----								
20)	4,6-Dinitro-2-...	0.083	0.090	0.096	0.113	0.120	0.134	0.106		18.55
21)	4-Bromophenyl-...	0.260	0.263	0.262	0.260	0.282	0.272	0.270	0.267	3.11
22)	Hexachlorobenzene	0.301	0.289	0.300	0.280	0.303	0.293	0.282	0.293	3.18
23)	Atrazine	0.193	0.198	0.199	0.217	0.227	0.226	0.248	0.215	9.20
24)	Pentachlorophenol	0.160	0.136	0.144	0.145	0.163	0.168	0.181	0.157	10.06
25)	Phenanthrene	1.309	1.274	1.299	1.280	1.387	1.346	1.347	1.320	3.13
26)	Anthracene	1.131	1.108	1.147	1.138	1.275	1.261	1.299	1.194	6.74
27) SURR	Fluoranthene-d10	0.993	1.004	0.991	1.016	1.087	1.053	1.115	1.037	4.74
28)	Fluoranthene	1.387	1.380	1.399	1.471	1.578	1.530	1.613	1.480	6.46
29) I	Chrysene-d12	-----ISTD-----								
30)	Pyrene	1.919	1.942	1.958	1.802	2.073	1.969	1.823	1.927	4.77
31) S	Terphenyl-d14	0.974	0.942	0.946	0.893	1.005	0.952	0.897	0.944	4.22
32)	Benzo(a)anthra...	1.402	1.407	1.429	1.422	1.583	1.509	1.561	1.473	5.19
33)	Chrysene	1.517	1.576	1.637	1.582	1.700	1.572	1.536	1.589	3.91
34)	Bis(2-ethylhex...	0.949	0.847	0.834	0.784	0.804	0.782	0.866	0.838	6.96
35) I	Perylene-d12	-----ISTD-----								

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

Method File : 8270-SIM-BN042825.M

36)	Indeno(1,2,3-c...	1.595	1.571	1.712	1.503	1.720	1.724	1.609	1.634	5.29
37)	Benzo(b)fluora...	1.580	1.552	1.634	1.628	1.796	1.758	1.825	1.682	6.50
38)	Benzo(k)fluora...	1.601	1.569	1.648	1.641	1.812	1.784	1.785	1.691	5.89
39) C	Benzo(a)pyrene	1.315	1.301	1.361	1.315	1.463	1.447	1.477	1.383	5.57
40)	Dibenzo(a,h)an...	1.229	1.241	1.349	1.176	1.357	1.379	1.268	1.286	5.96
41)	Benzo(g,h,i)pe...	1.459	1.405	1.515	1.305	1.495	1.470	1.339	1.427	5.61

(#) = Out of Range

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN042825\
 Data File : BN036923.D
 Acq On : 28 Apr 2025 11:35
 Operator : RC/JU
 Sample : SSTDICC0.1
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 SSTDICC0.1

Manual Integrations
 APPROVED

Reviewed By :Rahul Chavli 04/29/2025
 Supervised By :Jagrut Upadhyay 04/29/2025

Quant Time: Apr 28 15:11:53 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN042825.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Apr 28 15:11:09 2025
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.633	152	2671	0.400	ng	0.00
7) Naphthalene-d8	10.415	136	6571	0.400	ng	0.00
13) Acenaphthene-d10	14.277	164	3486	0.400	ng	0.00
19) Phenanthrene-d10	17.021	188	6515	0.400	ng	0.00
29) Chrysene-d12	21.215	240	4809	0.400	ng	0.00
35) Perylene-d12	23.427	264	4185	0.400	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.220	112	701	0.102	ng	0.00
5) Phenol-d6	6.802	99	848	0.101	ng	0.00
8) Nitrobenzene-d5	8.781	82	657	0.096	ng	0.00
11) 2-Methylnaphthalene-d10	12.011	152	887	0.097	ng	0.00
14) 2,4,6-Tribromophenol	15.767	330	136	0.089	ng	0.00
15) 2-Fluorobiphenyl	12.898	172	1636	0.097	ng	0.00
27) Fluoranthene-d10	19.059	212	1617	0.097	ng	0.00
31) Terphenyl-d14	19.662	244	1171	0.102	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	3.155	88	302m	0.090	ng	
3) n-Nitrosodimethylamine	3.473	42	603	0.093	ng	# 92
6) bis(2-Chloroethyl)ether	7.062	93	784	0.101	ng	98
9) Naphthalene	10.458	128	1897	0.099	ng	# 93
10) Hexachlorobutadiene	10.756	225	427	0.102	ng	# 99
12) 2-Methylnaphthalene	12.082	142	1176	0.096	ng	98
16) Acenaphthylene	13.999	152	1635	0.097	ng	100
17) Acenaphthene	14.341	154	1102	0.099	ng	98
18) Fluorene	15.325	166	1398	0.096	ng	99
21) 4-Bromophenyl-phenylether	16.227	248	424	0.098	ng	95
22) Hexachlorobenzene	16.338	284	490	0.102	ng	97
23) Atrazine	16.500	200	314	0.092	ng	# 92
24) Pentachlorophenol	16.686	266	261	0.105	ng	92
25) Phenanthrene	17.058	178	2132	0.099	ng	98
26) Anthracene	17.157	178	1842	0.096	ng	100
28) Fluoranthene	19.091	202	2259	0.095	ng	97
30) Pyrene	19.453	202	2307	0.099	ng	98
32) Benzo(a)anthracene	21.197	228	1685	0.096	ng	96
33) Chrysene	21.251	228	1824	0.095	ng	96
34) Bis(2-ethylhexyl)phtha...	21.144	149	1141	0.114	ng	99
36) Indeno(1,2,3-cd)pyrene	25.646	276	1669	0.097	ng	99
37) Benzo(b)fluoranthene	22.763	252	1653	0.095	ng	# 66
38) Benzo(k)fluoranthene	22.810	252	1675	0.096	ng	# 63
39) Benzo(a)pyrene	23.330	252	1376	0.096	ng	# 61
40) Dibenzo(a,h)anthracene	25.658	278	1286	0.095	ng	# 70
41) Benzo(g,h,i)perylene	26.324	276	1527	0.101	ng	# 86

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

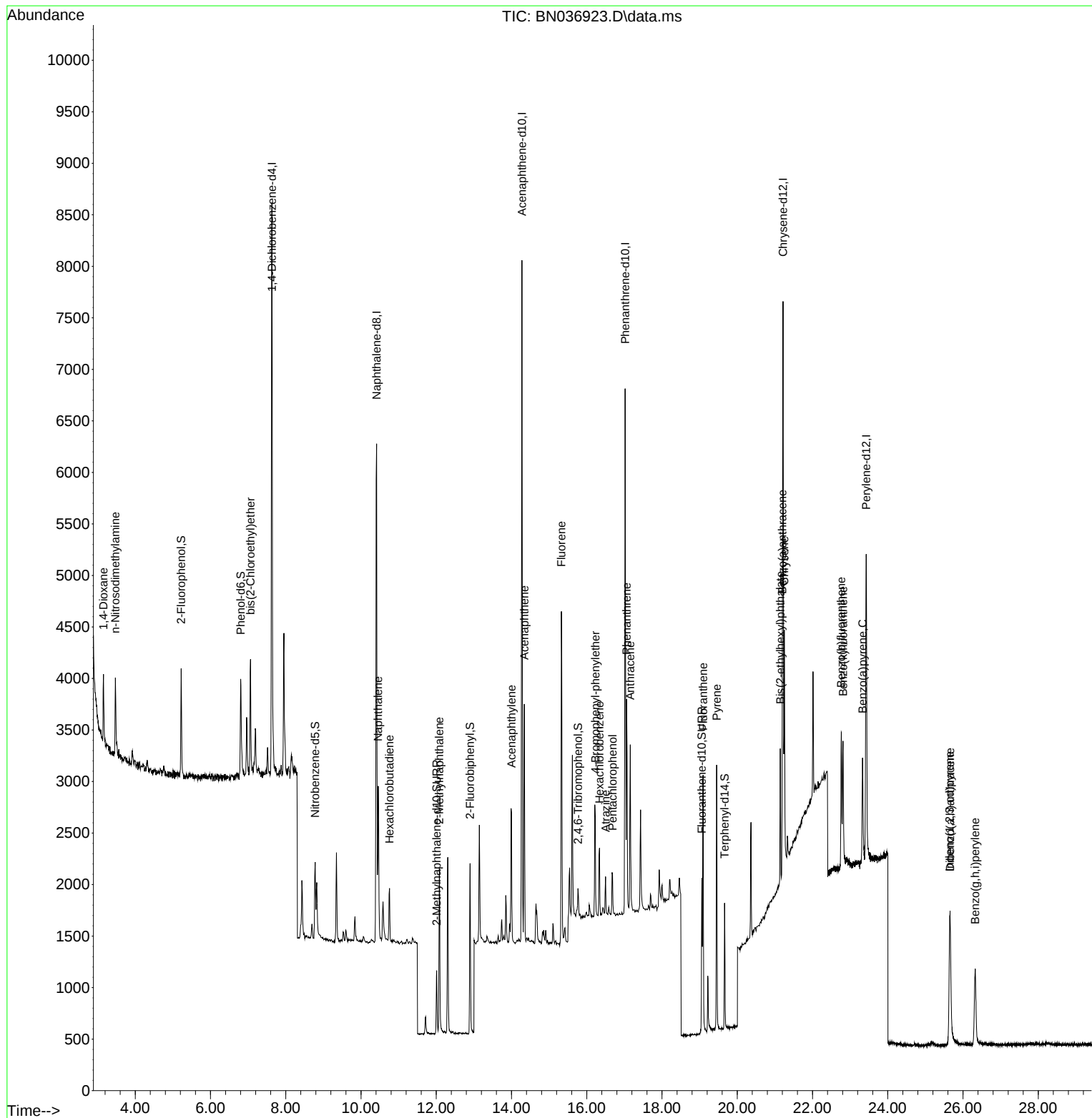
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 Data File : BN036923.D
 Acq On : 28 Apr 2025 11:35
 Operator : RC/JU
 Sample : SSTDICC0.1
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

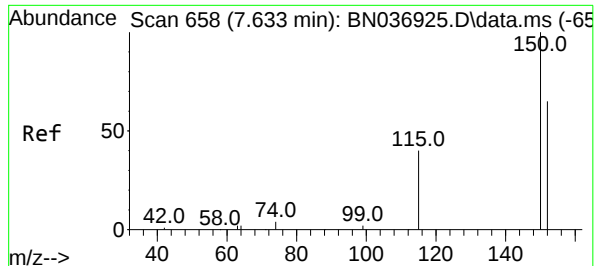
Instrument :
 BNA_N
 ClientSampleId :
 SSTDICC0.1

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 04/29/2025
 Supervised By :Jagrut Upadhyay 04/29/2025

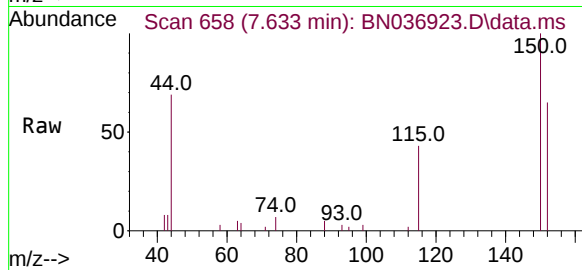
Quant Time: Apr 28 15:11:53 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN042825.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Apr 28 15:11:09 2025
 Response via : Initial Calibration





#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.633 min Scan# 61
Delta R.T. -0.000 min
Lab File: BN036923.D
Acq: 28 Apr 2025 11:35

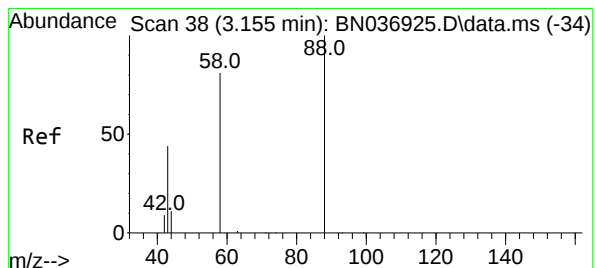
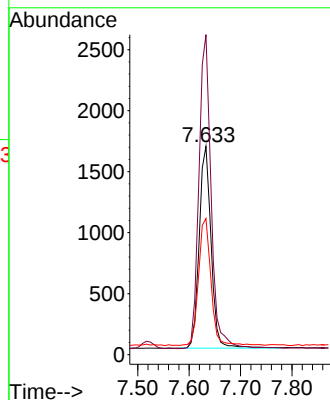
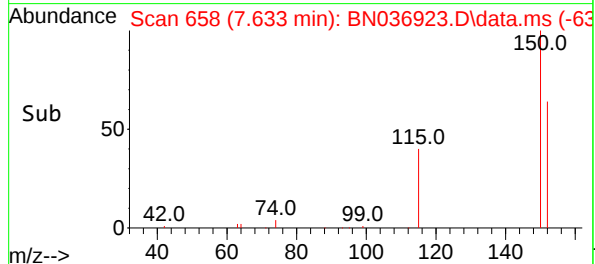
Instrument :
BNA_N
ClientSampleId :
SSTDICC0.1



Tgt Ion: 152 Resp: 267
Ion Ratio Lower Upper
152 100
150 153.7 121.1 181.7
115 65.4 51.8 77.6

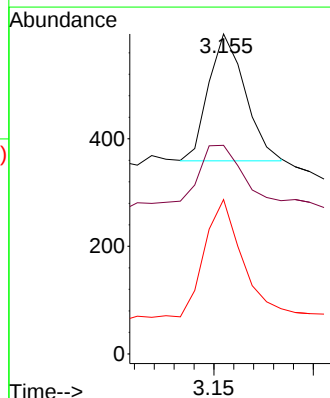
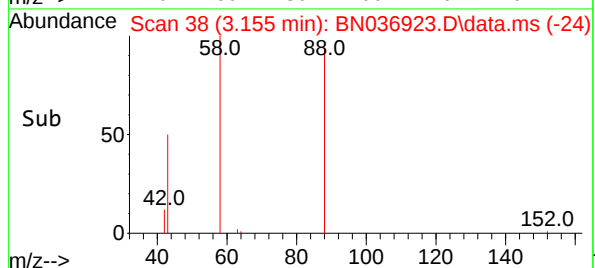
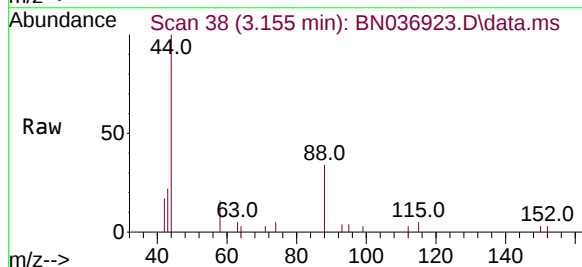
Manual Integrations
APPROVED

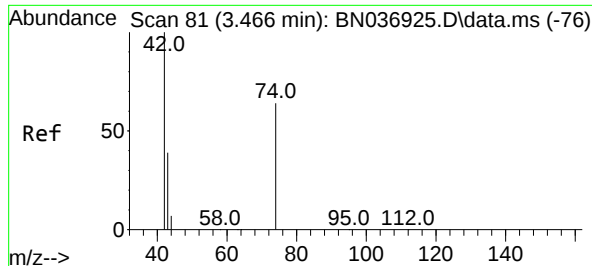
Reviewed By :Rahul Chavli 04/29/2025
Supervised By :Jagrut Upadhyay 04/29/2025



#2
1,4-Dioxane
Concen: 0.090 ng m
RT: 3.155 min Scan# 38
Delta R.T. -0.000 min
Lab File: BN036923.D
Acq: 28 Apr 2025 11:35

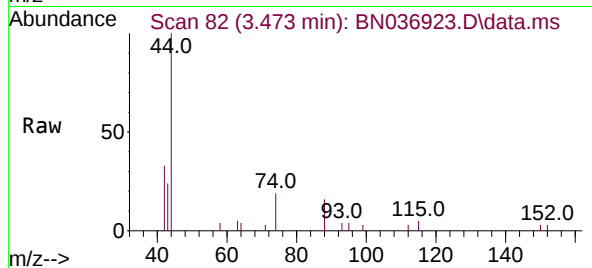
Tgt Ion: 88 Resp: 302
Ion Ratio Lower Upper
88 100
43 74.8 37.9 56.9#
58 106.0 65.8 98.6#





#3
n-Nitrosodimethylamine
Concen: 0.093 ng
RT: 3.473 min Scan# 81
Delta R.T. 0.007 min
Lab File: BN036923.D
Acq: 28 Apr 2025 11:35

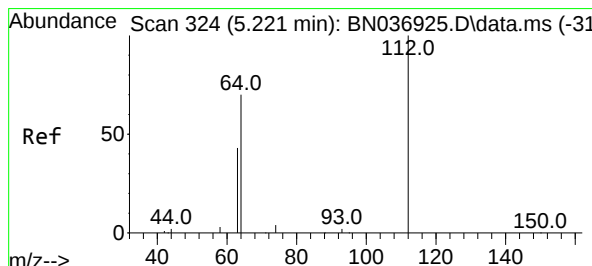
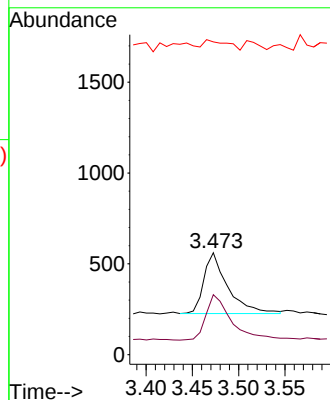
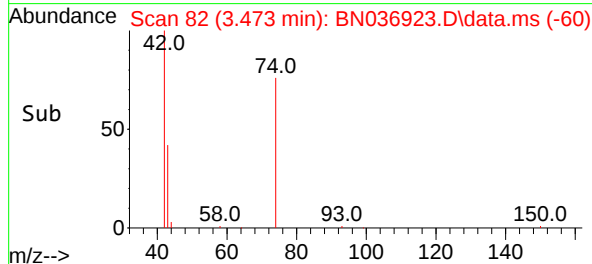
Instrument :
BNA_N
ClientSampleId :
SSTDICC0.1



Tgt Ion: 42 Resp: 600
Ion Ratio Lower Upper
42 100
74 80.8 59.9 89.9
44 15.4 7.5 11.3

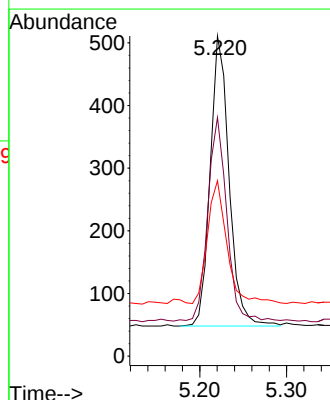
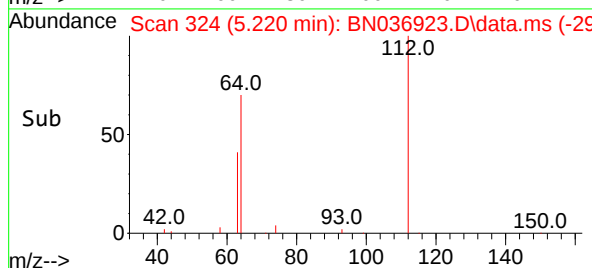
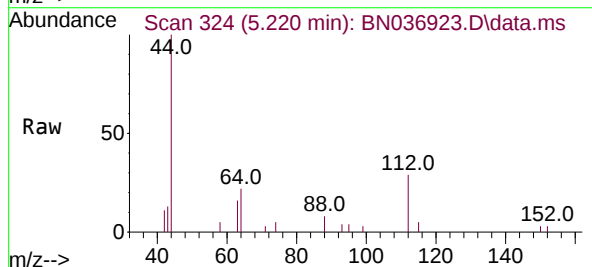
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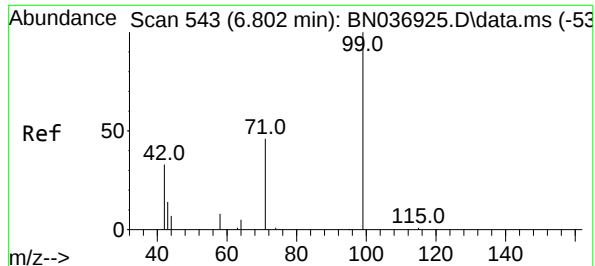
Reviewed By :Rahul Chavli 04/29/2025
Supervised By :Jagrut Upadhyay 04/29/2025



#4
2-Fluorophenol
Concen: 0.102 ng
RT: 5.220 min Scan# 324
Delta R.T. -0.000 min
Lab File: BN036923.D
Acq: 28 Apr 2025 11:35

Tgt Ion:112 Resp: 701
Ion Ratio Lower Upper
112 100
64 71.9 55.7 83.5
63 43.5 33.9 50.9





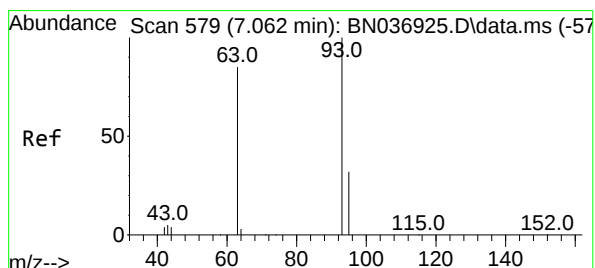
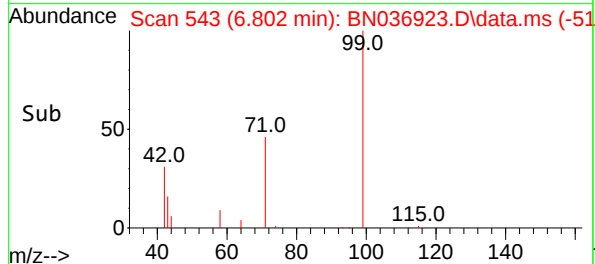
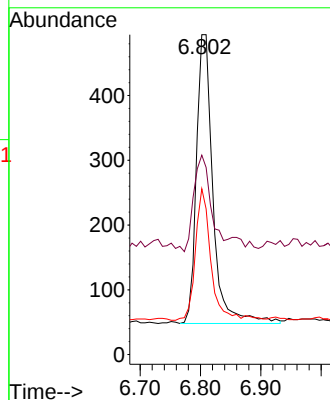
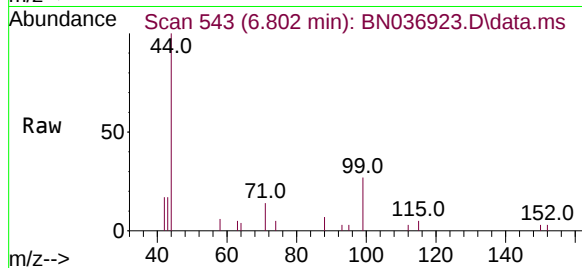
#5
Phenol-d6
Concen: 0.101 ng
RT: 6.802 min Scan# 543
Delta R.T. -0.000 min
Lab File: BN036923.D
Acq: 28 Apr 2025 11:35

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.1

Tgt Ion	Ratio	Lower	Upper
99	100		
42	35.0	29.6	44.4
71	41.5	36.0	54.0

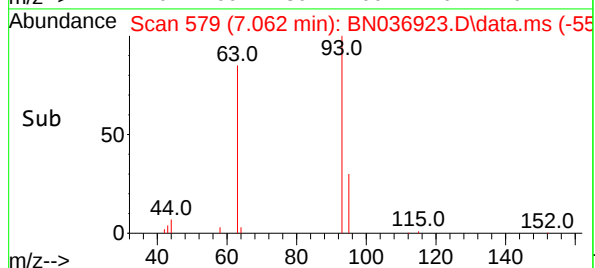
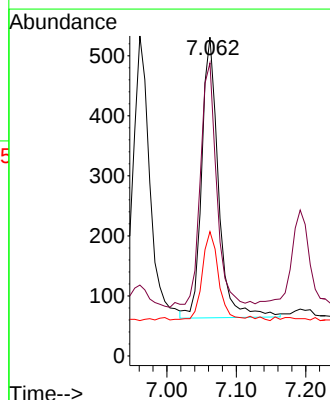
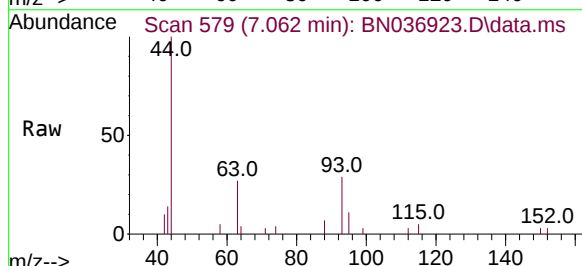
Manual Integrations
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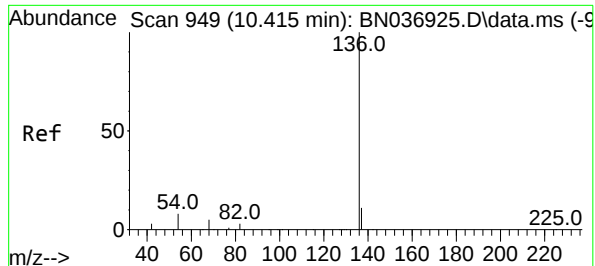
Reviewed By :Rahul Chavli 04/29/2025
Supervised By :Jagrut Upadhyay 04/29/2025



#6
bis(2-Chloroethyl)ether
Concen: 0.101 ng
RT: 7.062 min Scan# 579
Delta R.T. -0.000 min
Lab File: BN036923.D
Acq: 28 Apr 2025 11:35

Tgt Ion	Ratio	Lower	Upper
93	100		
63	85.7	69.0	103.6
95	29.5	25.4	38.0





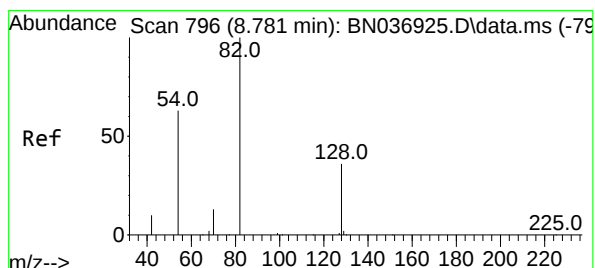
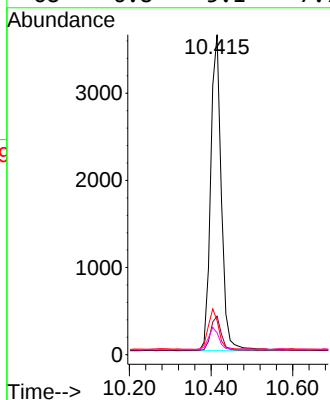
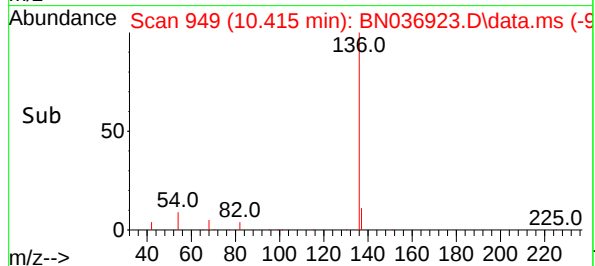
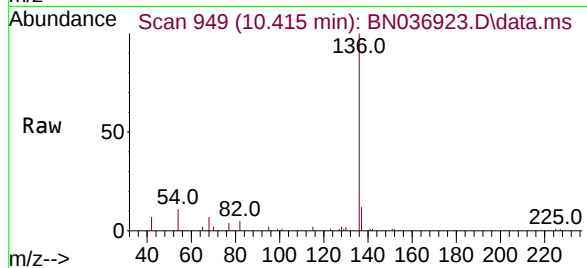
#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.415 min Scan# 949
Delta R.T. -0.000 min
Lab File: BN036923.D
Acq: 28 Apr 2025 11:35

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.1

Tgt Ion:136 Resp: 657
Ion Ratio Lower Upper
136 100
137 12.0 9.7 14.5
54 10.6 8.0 12.0
68 6.8 5.1 7.7

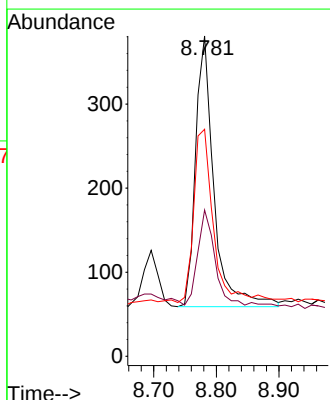
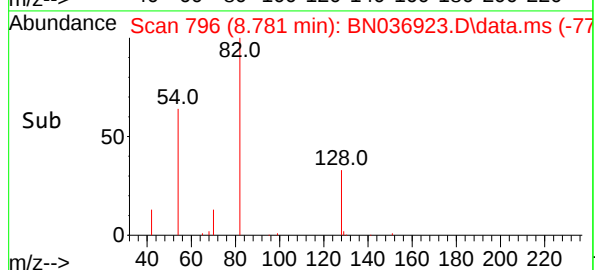
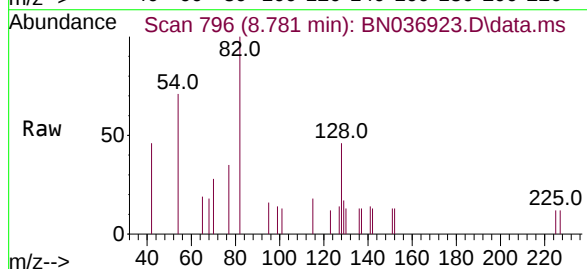
Manual Integrations
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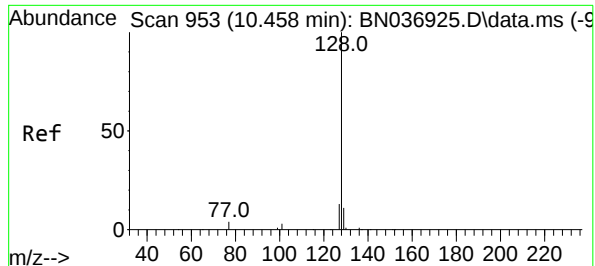
Reviewed By :Rahul Chavli 04/29/2025
Supervised By :Jagrut Upadhyay 04/29/2025



#8
Nitrobenzene-d5
Concen: 0.096 ng
RT: 8.781 min Scan# 796
Delta R.T. -0.000 min
Lab File: BN036923.D
Acq: 28 Apr 2025 11:35

Tgt Ion: 82 Resp: 657
Ion Ratio Lower Upper
82 100
128 45.7 30.7 46.1
54 70.9 52.1 78.1





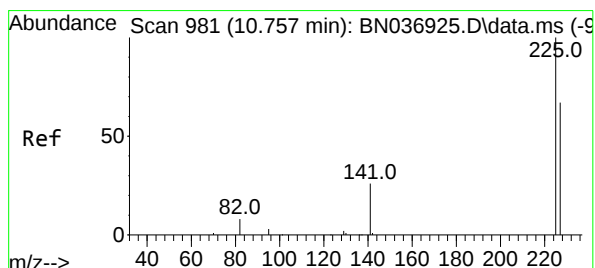
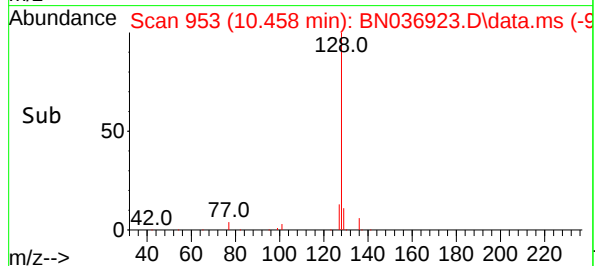
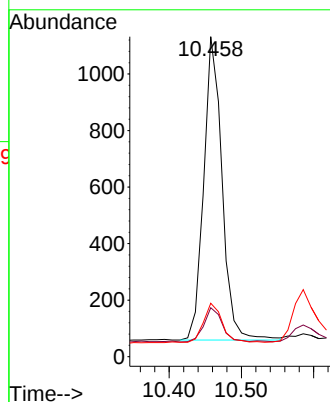
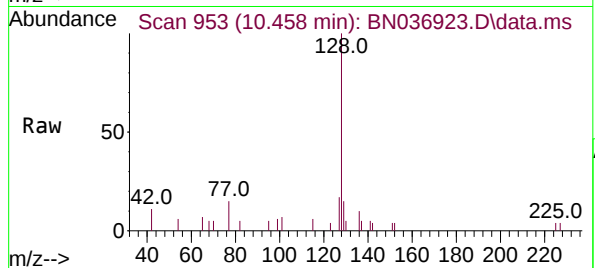
#9
Naphthalene
Concen: 0.099 ng
RT: 10.458 min Scan# 91
Delta R.T. -0.000 min
Lab File: BN036923.D
Acq: 28 Apr 2025 11:35

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.1

Tgt Ion:128 Resp: 189
Ion Ratio Lower Upper
128 100
129 15.3 9.8 14.6
127 16.7 11.4 17.2

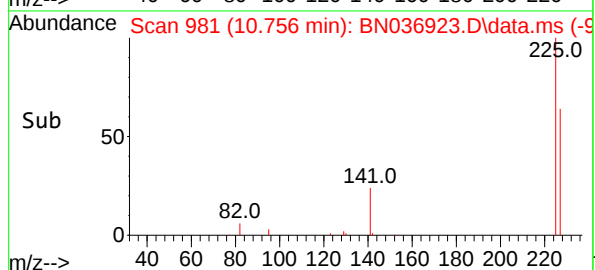
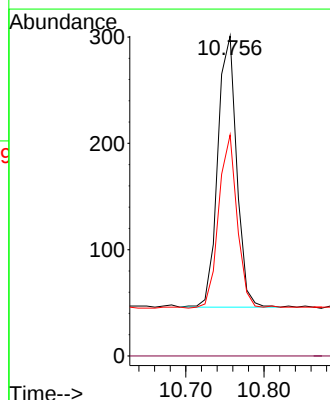
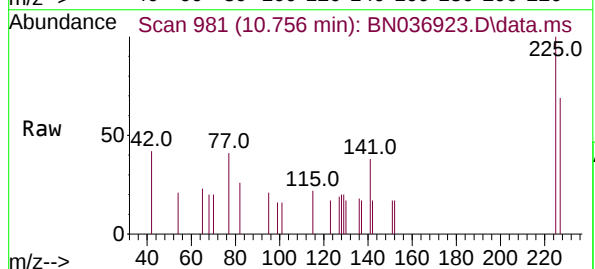
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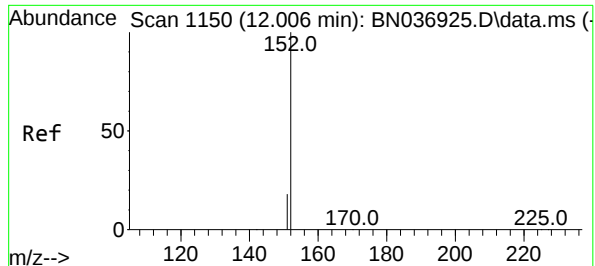
Reviewed By :Rahul Chavli 04/29/2025
Supervised By :Jagrut Upadhyay 04/29/2025



#10
Hexachlorobutadiene
Concen: 0.102 ng
RT: 10.756 min Scan# 981
Delta R.T. -0.000 min
Lab File: BN036923.D
Acq: 28 Apr 2025 11:35

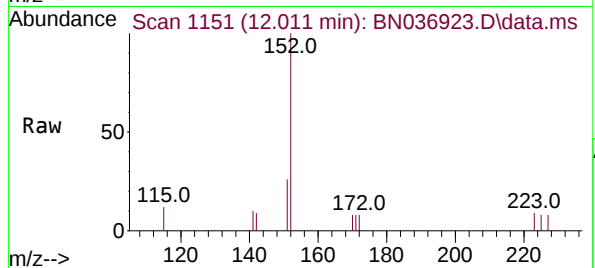
Tgt Ion:225 Resp: 427
Ion Ratio Lower Upper
225 100
223 0.0 0.0 0.0
227 64.2 52.2 78.4





#11
2-Methylnaphthalene-d10
Concen: 0.097 ng
RT: 12.011 min Scan# 1151
Delta R.T. 0.005 min
Lab File: BN036923.D
Acq: 28 Apr 2025 11:35

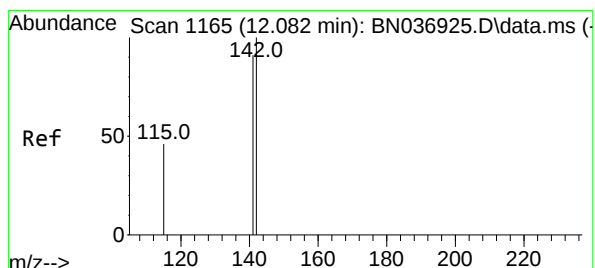
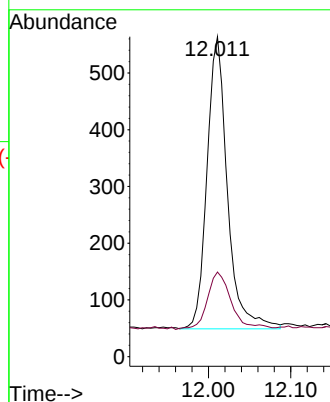
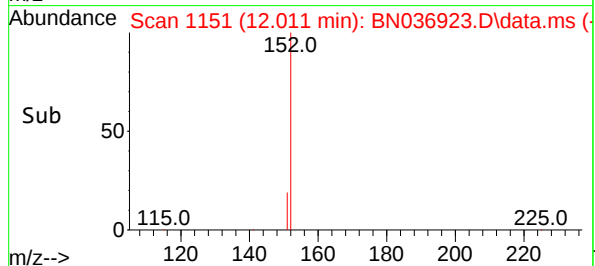
Instrument :
BNA_N
ClientSampleId :
SSTDICC0.1



Tgt Ion:152 Resp: 88
Ion Ratio Lower Upper
152 100
151 23.2 16.9 25.3

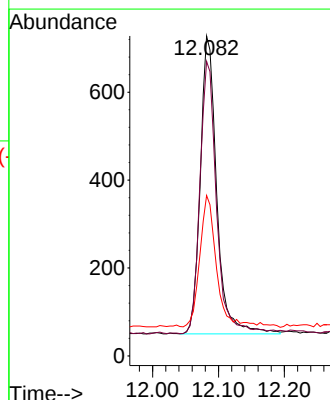
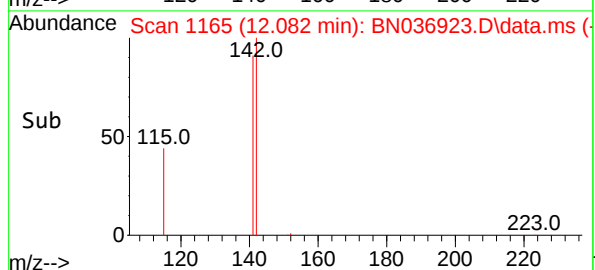
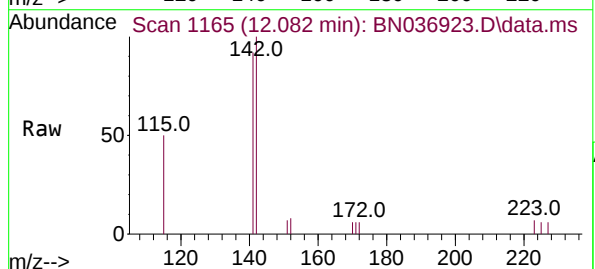
Manual Integrations
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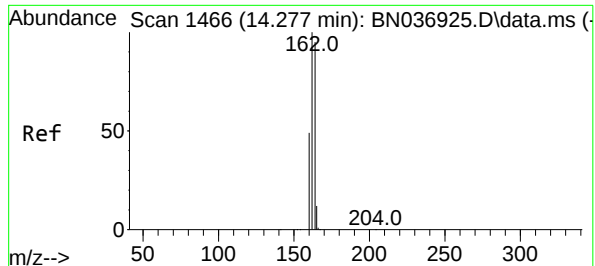
Reviewed By :Rahul Chavli 04/29/2025
Supervised By :Jagrut Upadhyay 04/29/2025



#12
2-Methylnaphthalene
Concen: 0.096 ng
RT: 12.082 min Scan# 1165
Delta R.T. -0.000 min
Lab File: BN036923.D
Acq: 28 Apr 2025 11:35

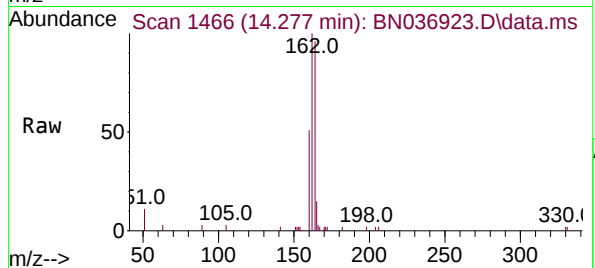
Tgt Ion:142 Resp: 1176
Ion Ratio Lower Upper
142 100
141 92.0 72.8 109.2
115 50.1 38.2 57.4





#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.277 min Scan# 1466
Delta R.T. -0.000 min
Lab File: BN036923.D
Acq: 28 Apr 2025 11:35

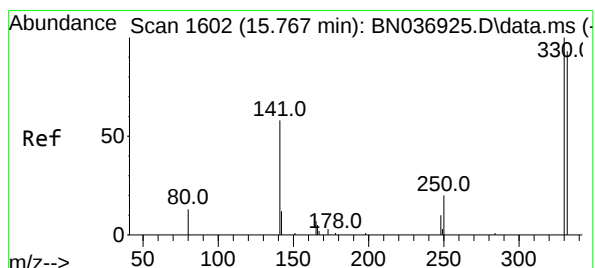
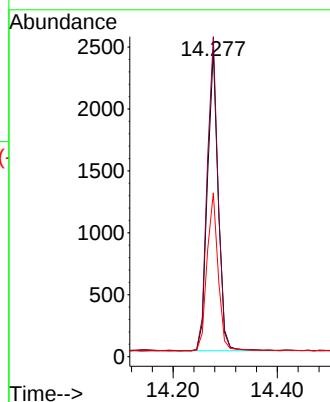
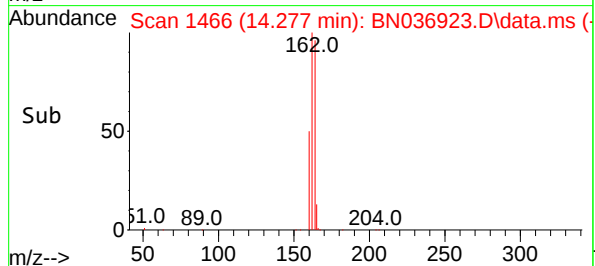
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BNA_N
ClientSampleId :
SSTDICC0.1



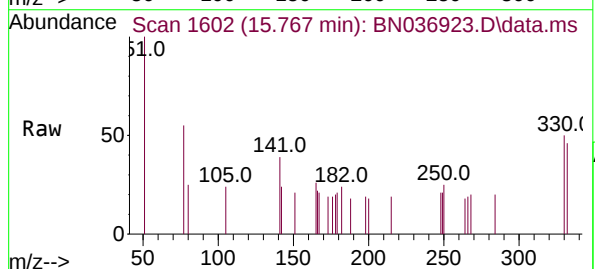
Tgt Ion:164 Resp: 3480
Ion Ratio Lower Upper
164 100
162 104.4 83.8 125.8
160 53.4 42.0 63.0

Manual Integrations
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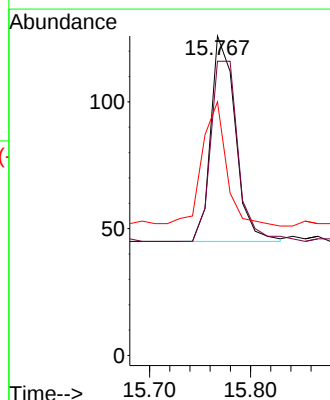
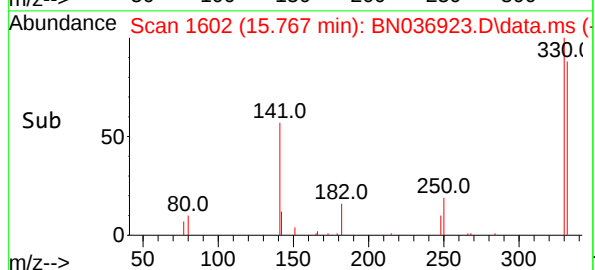
Reviewed By :Rahul Chavli 04/29/2025
Supervised By :Jagrut Upadhyay 04/29/2025

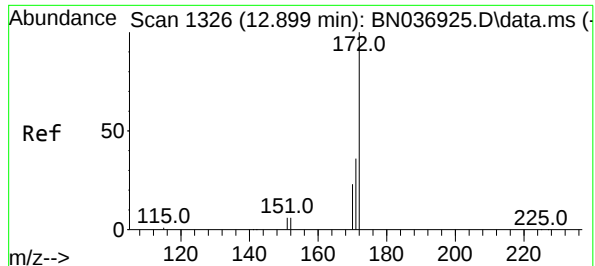


#14
2,4,6-Tribromophenol
Concen: 0.089 ng
RT: 15.767 min Scan# 1602
Delta R.T. -0.000 min
Lab File: BN036923.D
Acq: 28 Apr 2025 11:35



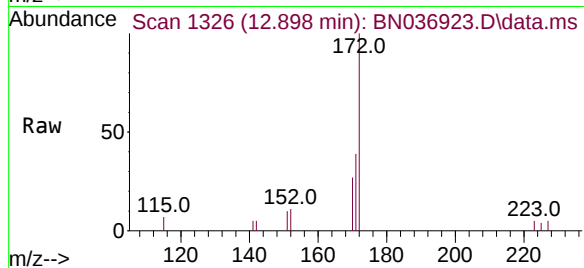
Tgt Ion:330 Resp: 136
Ion Ratio Lower Upper
330 100
332 99.3 76.3 114.5
141 61.0 45.4 68.2





#15
2-Fluorobiphenyl
Concen: 0.097 ng
RT: 12.898 min Scan# 11
Delta R.T. -0.000 min
Lab File: BN036923.D
Acq: 28 Apr 2025 11:35

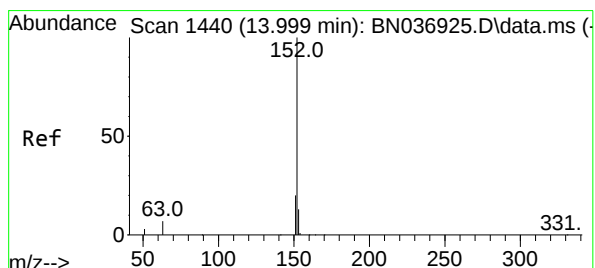
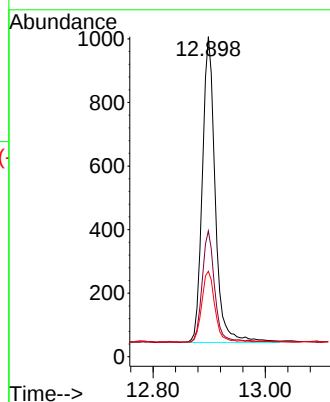
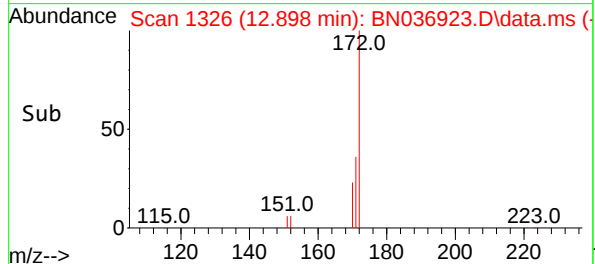
Instrument :
BNA_N
ClientSampleId :
SSTDICC0.1



Tgt Ion:172 Resp: 1630
Ion Ratio Lower Upper
172 100
171 39.3 29.4 44.0
170 26.7 19.4 29.0

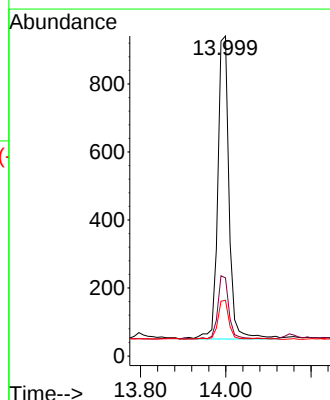
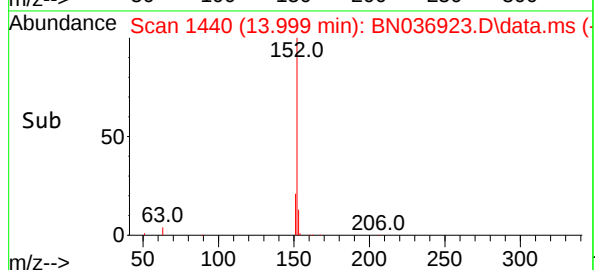
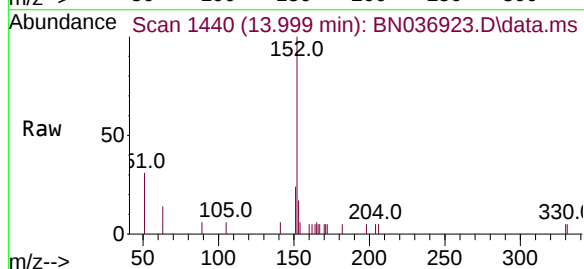
Manual Integrations
APPROVED

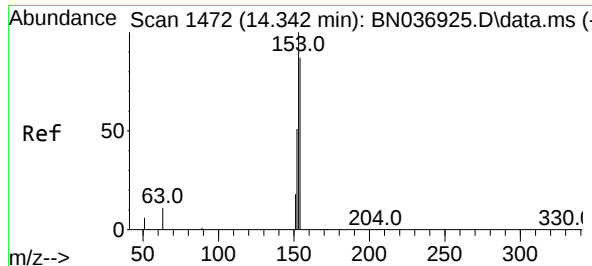
Reviewed By :Rahul Chavli 04/29/2025
Supervised By :Jagrut Upadhyay 04/29/2025



#16
Acenaphthylene
Concen: 0.097 ng
RT: 13.999 min Scan# 1440
Delta R.T. -0.000 min
Lab File: BN036923.D
Acq: 28 Apr 2025 11:35

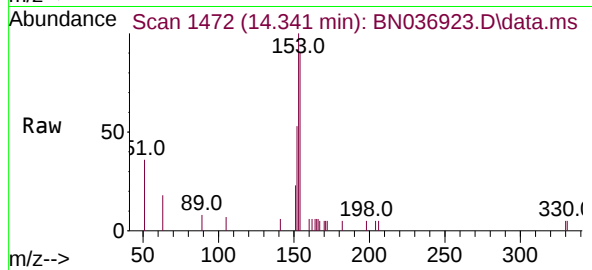
Tgt Ion:152 Resp: 1635
Ion Ratio Lower Upper
152 100
151 20.0 16.0 24.0
153 12.7 10.2 15.2





#17
Acenaphthene
Concen: 0.099 ng
RT: 14.341 min Scan# 1472
Delta R.T. -0.000 min
Lab File: BN036923.D
Acq: 28 Apr 2025 11:35

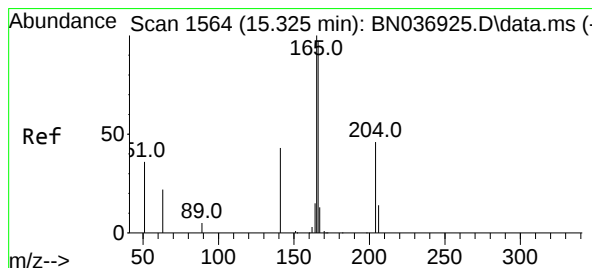
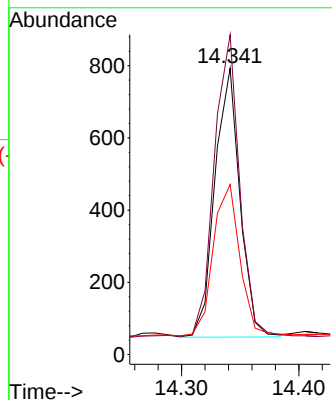
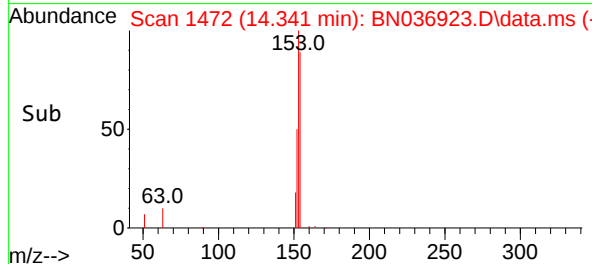
Instrument :
BNA_N
ClientSampleId :
SSTDICC0.1



Tgt Ion:154 Resp: 1102
Ion Ratio Lower Upper
154 100
153 115.4 93.4 140.2
152 60.2 49.5 74.3

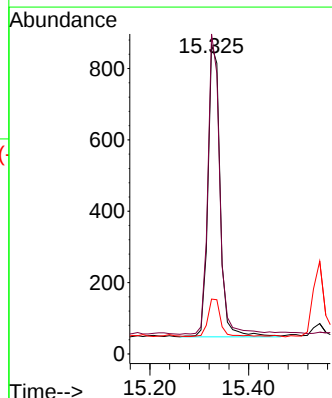
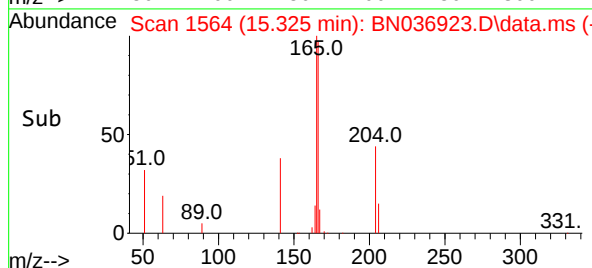
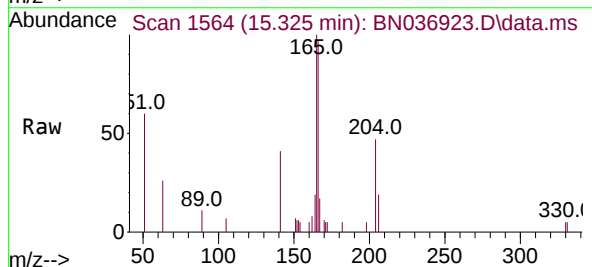
Manual Integrations
APPROVED

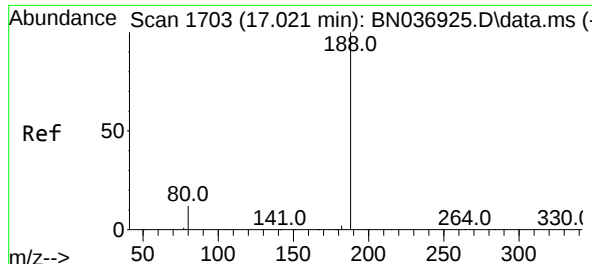
Reviewed By :Rahul Chavli 04/29/2025
Supervised By :Jagrut Upadhyay 04/29/2025



#18
Fluorene
Concen: 0.096 ng
RT: 15.325 min Scan# 1564
Delta R.T. -0.000 min
Lab File: BN036923.D
Acq: 28 Apr 2025 11:35

Tgt Ion:166 Resp: 1398
Ion Ratio Lower Upper
166 100
165 99.7 80.8 121.2
167 13.4 10.8 16.2





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 17.021 min Scan# 1703

Delta R.T. -0.000 min

Lab File: BN036923.D

Acq: 28 Apr 2025 11:35

Instrument :

BNA_N

ClientSampleId :

SSTDICC0.1

Tgt Ion:188 Resp: 651

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

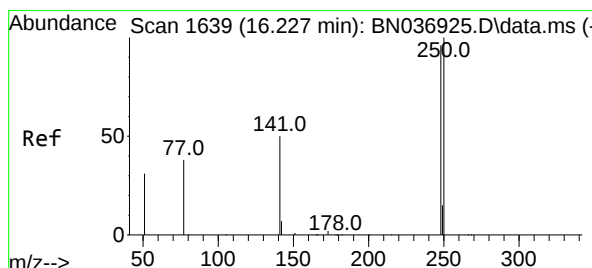
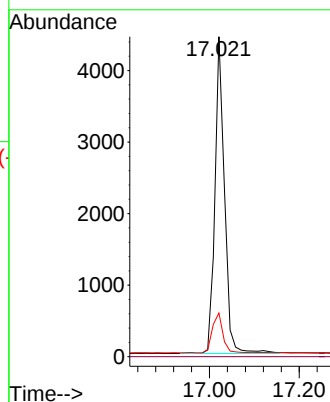
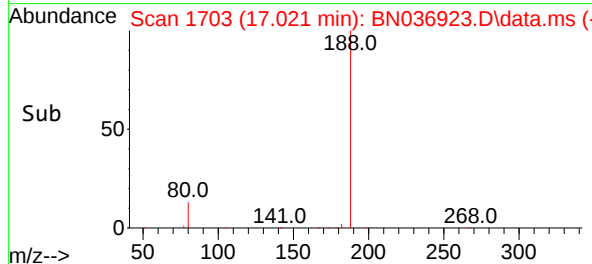
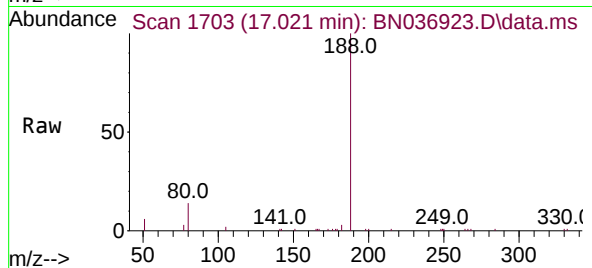
80 13.7 10.7 16.1

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 04/29/2025

Supervised By :Jagrut Upadhyay 04/29/2025



#21

4-Bromophenyl-phenylether

Concen: 0.098 ng

RT: 16.227 min Scan# 1639

Delta R.T. -0.000 min

Lab File: BN036923.D

Acq: 28 Apr 2025 11:35

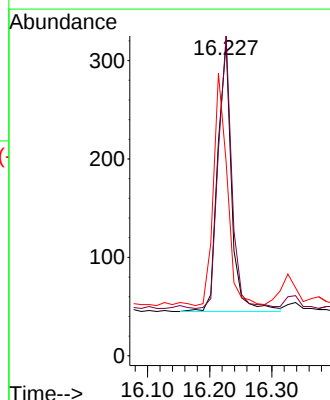
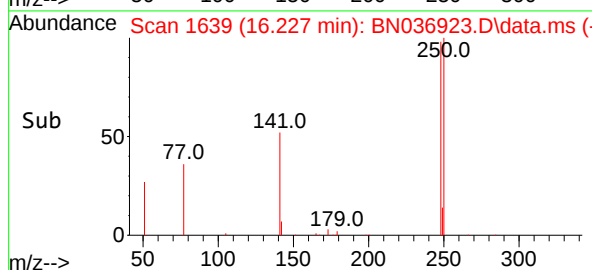
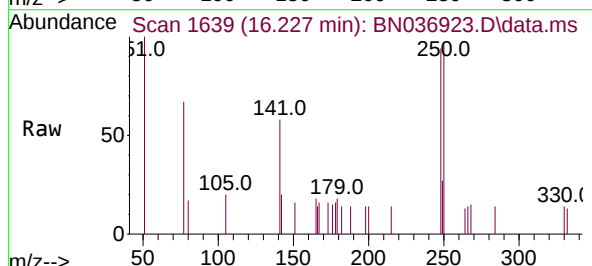
Tgt Ion:248 Resp: 424

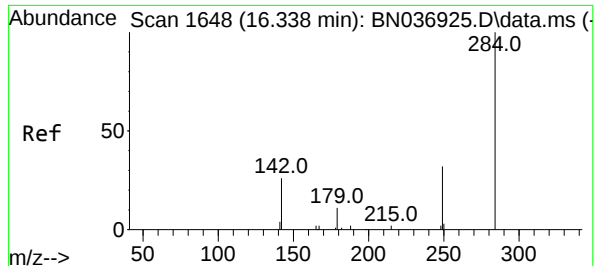
Ion Ratio Lower Upper

248 100

250 102.2 83.7 125.5

141 61.9 43.8 65.8





#22

Hexachlorobenzene

Concen: 0.102 ng

RT: 16.338 min Scan# 1648

Delta R.T. -0.000 min

Lab File: BN036923.D

Acq: 28 Apr 2025 11:35

Instrument :

BNA_N

ClientSampleId :

SSTDICC0.1

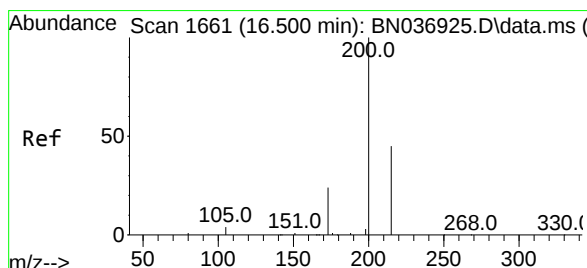
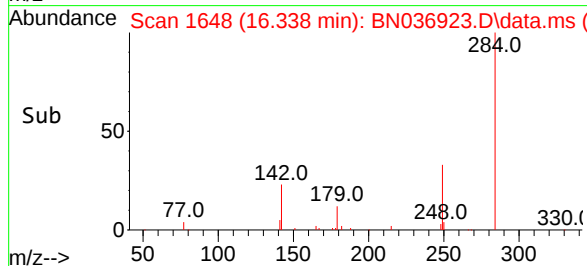
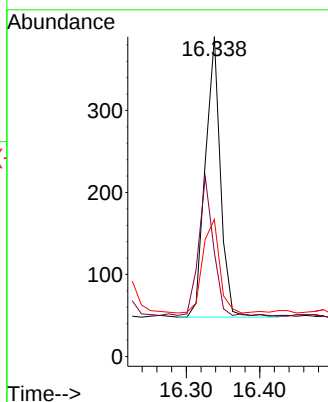
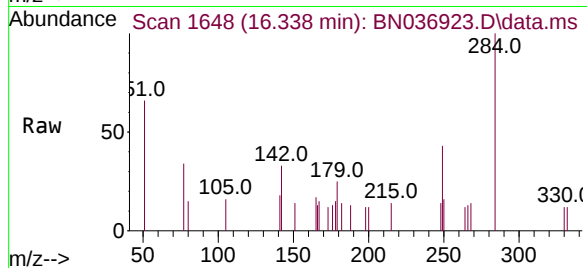
Tgt Ion	Ratio	Lower	Upper
284	100		
142	51.0	40.0	60.0
249	37.8	28.2	42.2

Manual Integrations

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Reviewed By :Rahul Chavli 04/29/2025

Supervised By :Jagrut Upadhyay 04/29/2025



#23

Atrazine

Concen: 0.092 ng

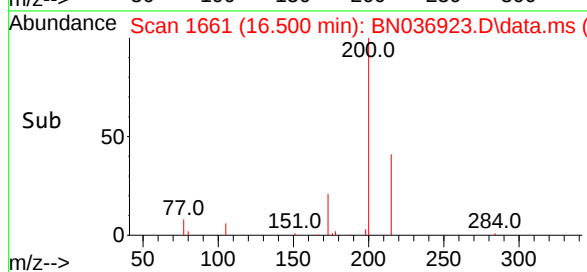
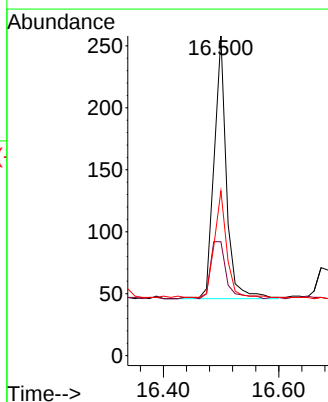
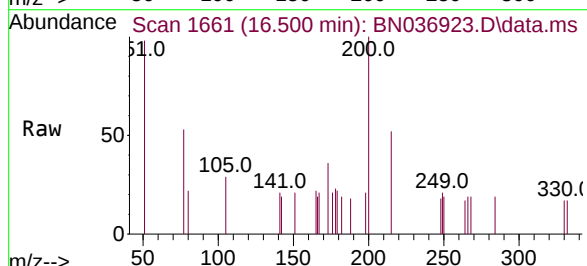
RT: 16.500 min Scan# 1661

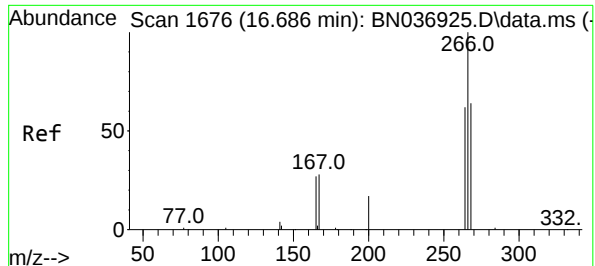
Delta R.T. -0.000 min

Lab File: BN036923.D

Acq: 28 Apr 2025 11:35

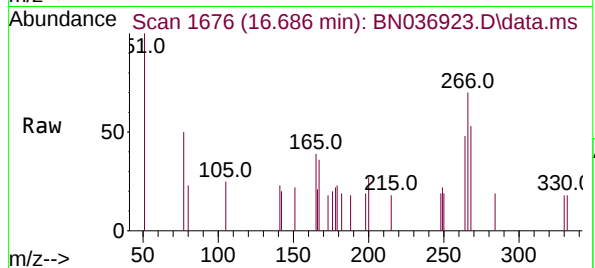
Tgt Ion	Ratio	Lower	Upper
200	100		
173	35.7	22.4	33.6
215	51.6	38.6	57.8





#24
Pentachlorophenol
Concen: 0.105 ng
RT: 16.686 min Scan# 1676
Delta R.T. -0.000 min
Lab File: BN036923.D
Acq: 28 Apr 2025 11:35

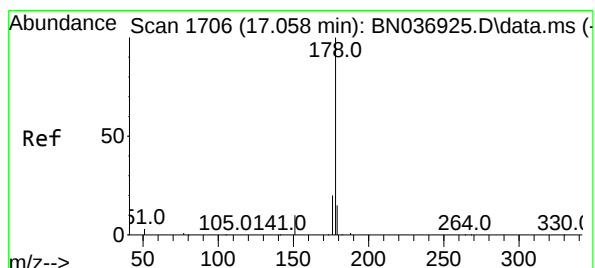
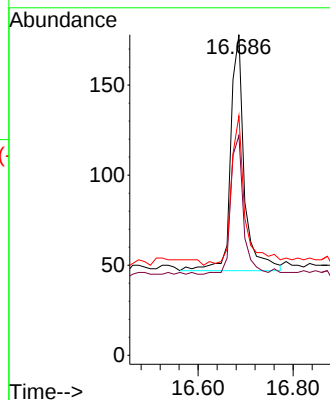
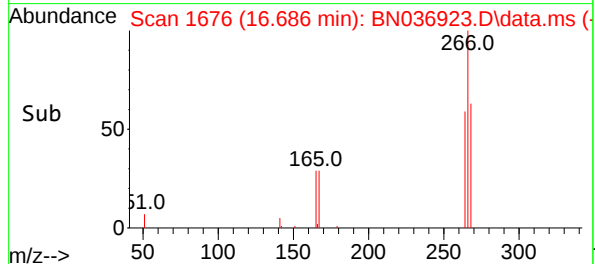
Instrument :
BNA_N
ClientSampleId :
SSTDICC0.1



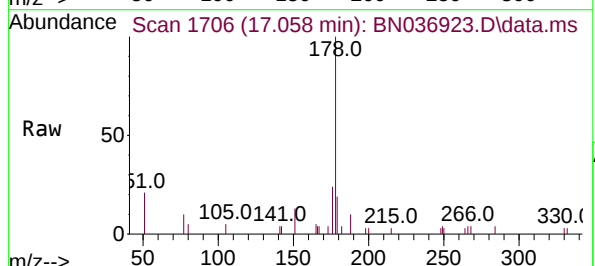
Tgt Ion: 266 Resp: 266
Ion Ratio Lower Upper
266 100
264 54.0 49.9 74.9
268 61.3 52.2 78.4

Manual Integrations
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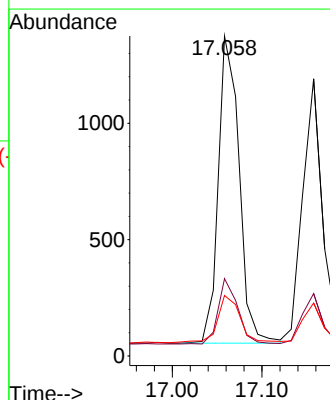
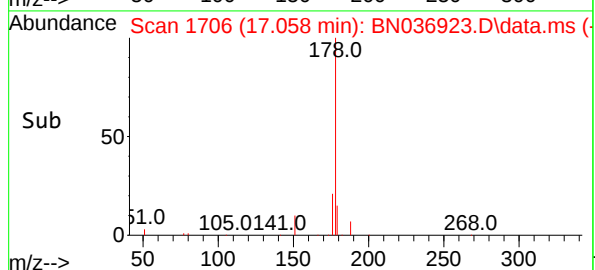
Reviewed By :Rahul Chavli 04/29/2025
Supervised By :Jagrut Upadhyay 04/29/2025

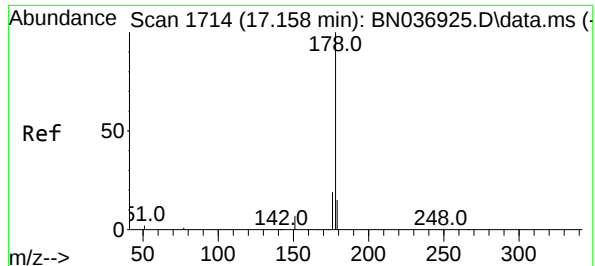


#25
Phenanthrene
Concen: 0.099 ng
RT: 17.058 min Scan# 1706
Delta R.T. -0.000 min
Lab File: BN036923.D
Acq: 28 Apr 2025 11:35



Tgt Ion: 178 Resp: 2132
Ion Ratio Lower Upper
178 100
176 19.9 15.7 23.5
179 16.7 12.4 18.6





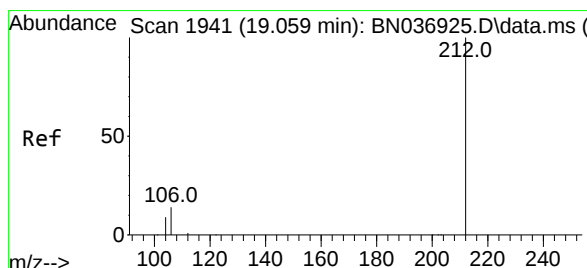
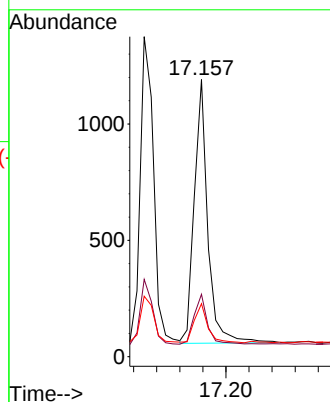
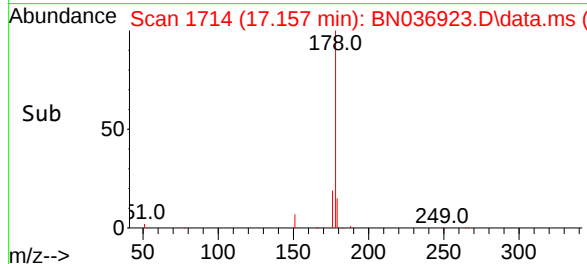
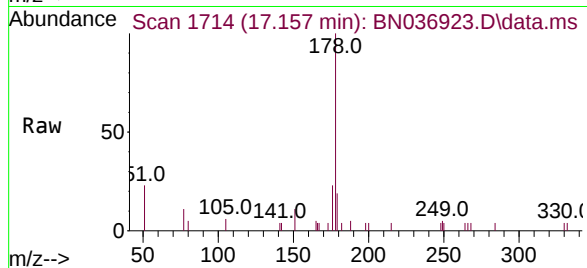
#26
Anthracene
Concen: 0.096 ng
RT: 17.157 min Scan# 1714
Delta R.T. -0.000 min
Lab File: BN036923.D
Acq: 28 Apr 2025 11:35

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.1

Tgt Ion:178 Resp: 184
Ion Ratio Lower Upper
178 100
176 18.8 15.3 22.9
179 15.1 12.1 18.1

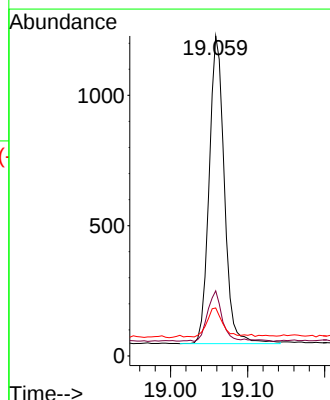
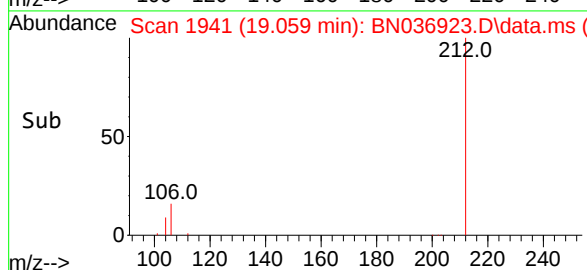
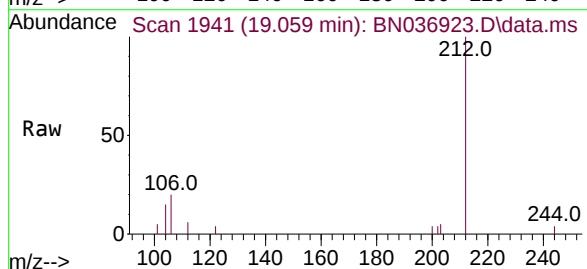
Manual Integrations
APPROVED

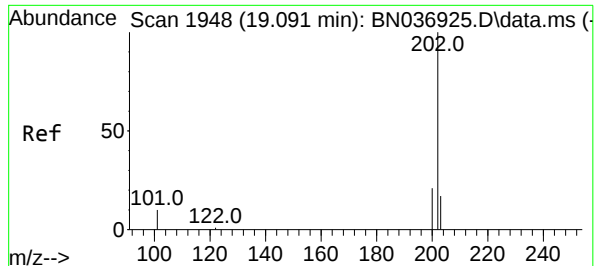
Reviewed By :Rahul Chavli 04/29/2025
Supervised By :Jagrut Upadhyay 04/29/2025



#27
Fluoranthene-d10
Concen: 0.097 ng
RT: 19.059 min Scan# 1941
Delta R.T. -0.000 min
Lab File: BN036923.D
Acq: 28 Apr 2025 11:35

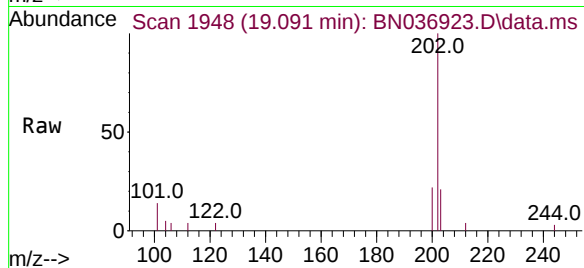
Tgt Ion:212 Resp: 1617
Ion Ratio Lower Upper
212 100
106 16.3 11.6 17.4
104 9.3 7.0 10.4





#28
Fluoranthene
Concen: 0.095 ng
RT: 19.091 min Scan# 1948
Delta R.T. -0.000 min
Lab File: BN036923.D
Acq: 28 Apr 2025 11:35

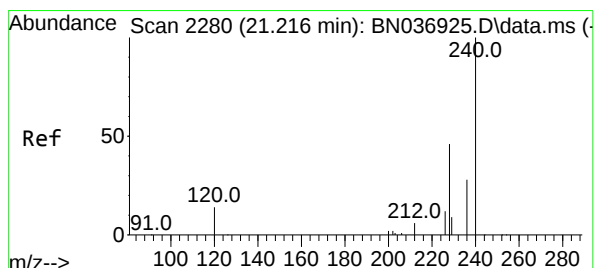
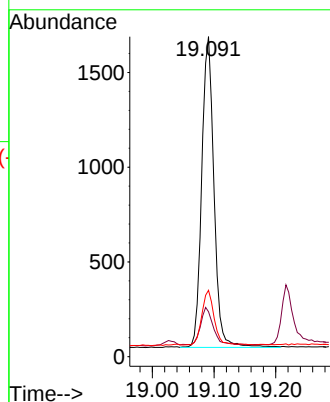
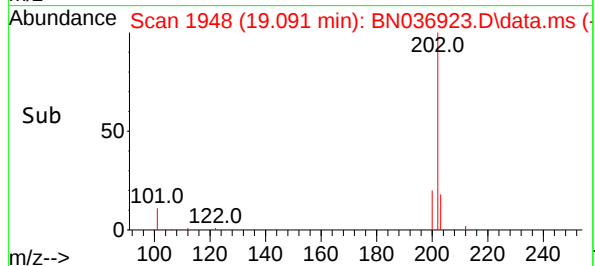
Instrument :
BNA_N
ClientSampleId :
SSTDICC0.1



Tgt Ion:202 Resp: 2259
Ion Ratio Lower Upper
202 100
101 12.3 8.5 12.7
203 17.9 13.7 20.5

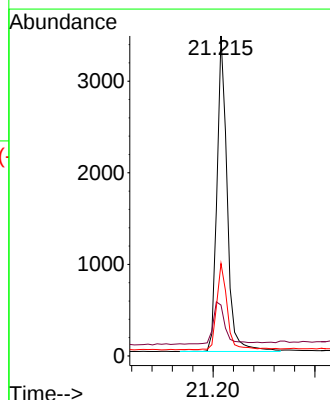
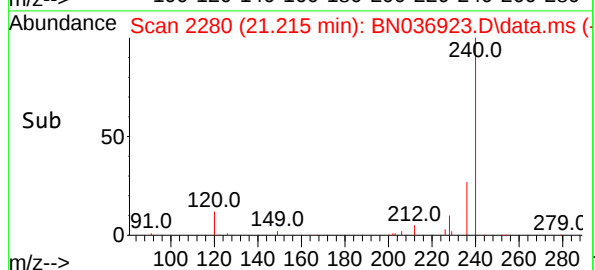
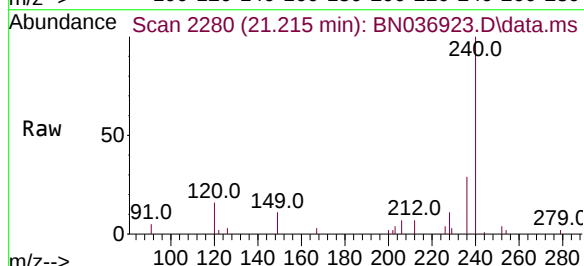
Manual Integrations
APPROVED

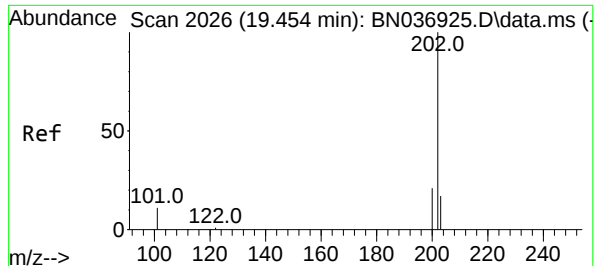
Reviewed By :Rahul Chavli 04/29/2025
Supervised By :Jagrut Upadhyay 04/29/2025



#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.215 min Scan# 2280
Delta R.T. -0.000 min
Lab File: BN036923.D
Acq: 28 Apr 2025 11:35

Tgt Ion:240 Resp: 4809
Ion Ratio Lower Upper
240 100
120 15.9 14.1 21.1
236 28.9 23.8 35.8





#30

Pyrene

Concen: 0.099 ng

RT: 19.453 min Scan# 2026

Delta R.T. -0.000 min

Lab File: BN036923.D

Acq: 28 Apr 2025 11:35

Instrument :

BNA_N

ClientSampleId :

SSTDICC0.1

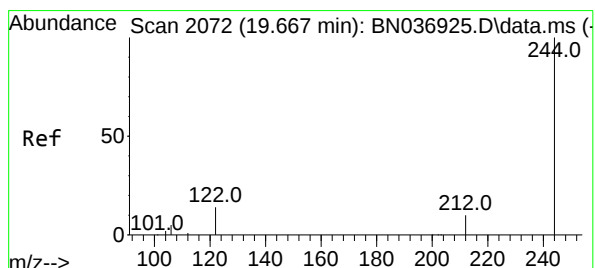
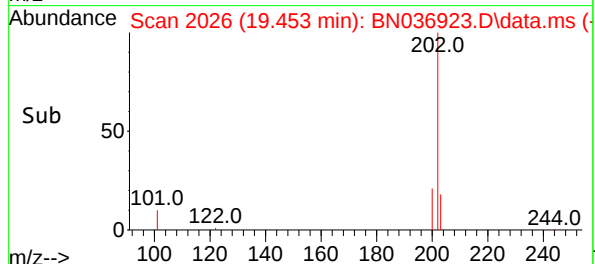
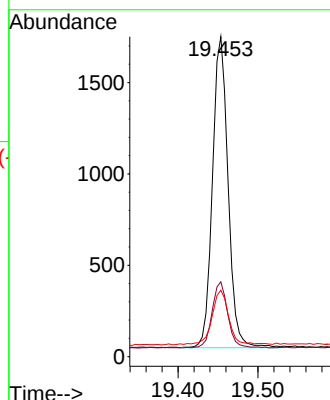
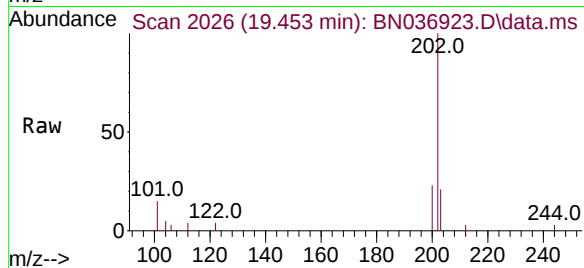
Tgt Ion:	202	Resp:	230
Ion	Ratio	Lower	Upper
202	100		
200	20.9	17.0	25.6
203	19.4	14.0	21.0

Manual Integrations

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Reviewed By :Rahul Chavli 04/29/2025

Supervised By :Jagrut Upadhyay 04/29/2025



#31

Terphenyl-d14

Concen: 0.102 ng

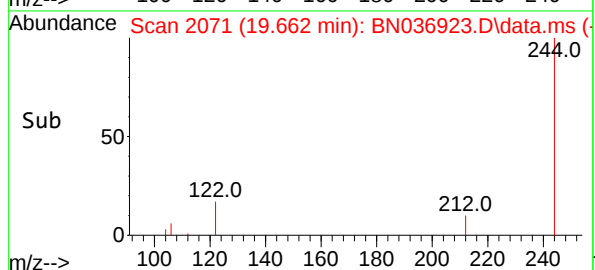
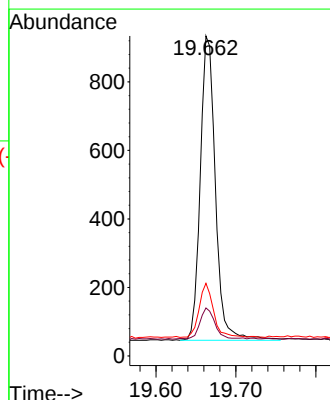
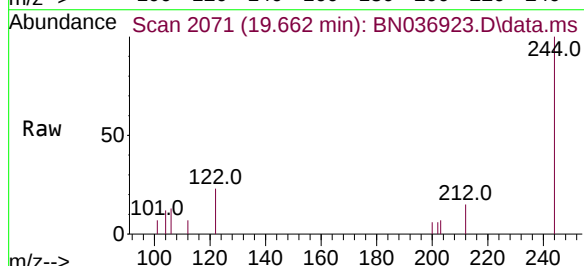
RT: 19.662 min Scan# 2071

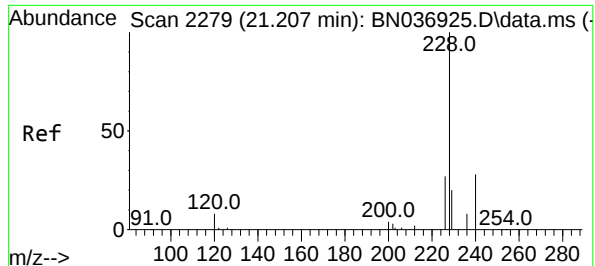
Delta R.T. -0.005 min

Lab File: BN036923.D

Acq: 28 Apr 2025 11:35

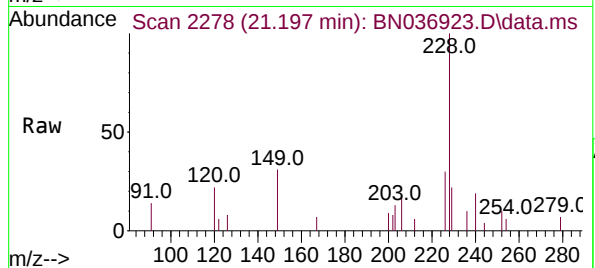
Tgt Ion:	244	Resp:	1171
Ion	Ratio	Lower	Upper
244	100		
212	15.0	9.6	14.4#
122	22.7	12.7	19.1#





#32
Benzo(a)anthracene
Concen: 0.096 ng
RT: 21.197 min Scan# 2119
Delta R.T. -0.009 min
Lab File: BN036923.D
Acq: 28 Apr 2025 11:35

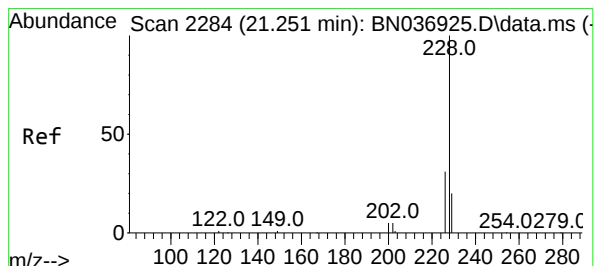
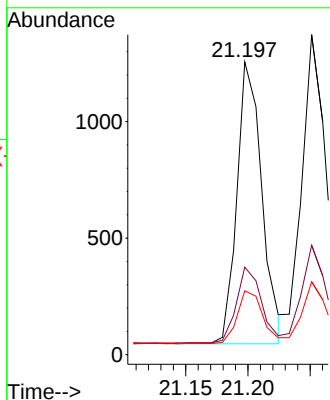
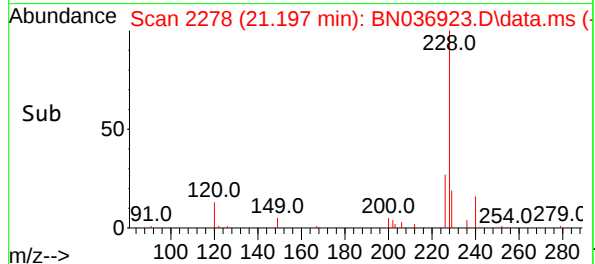
Instrument :
BNA_N
ClientSampleId :
SSTDICC0.1



Tgt Ion:228 Resp: 1689
Ion Ratio Lower Upper
228 100
226 29.9 22.2 33.4
229 21.8 16.4 24.6

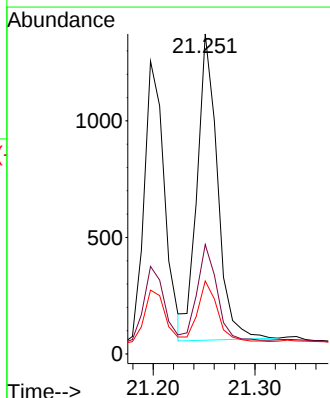
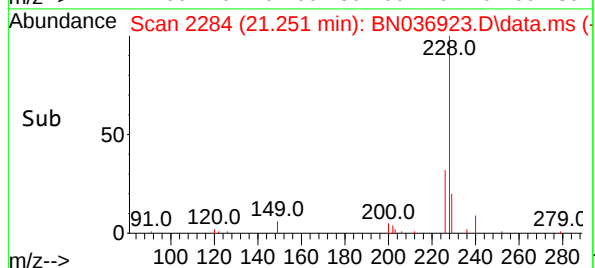
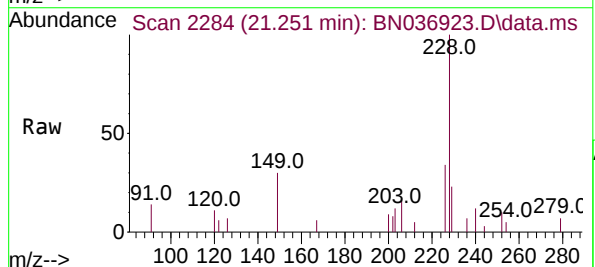
Manual Integrations
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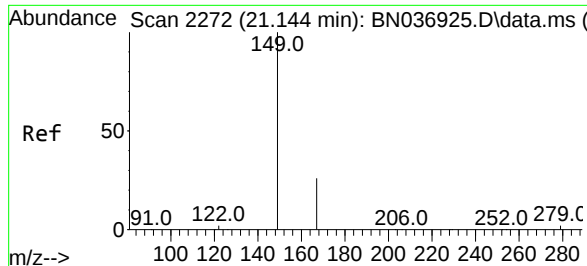
Reviewed By :Rahul Chavli 04/29/2025
Supervised By :Jagrut Upadhyay 04/29/2025



#33
Chrysene
Concen: 0.095 ng
RT: 21.251 min Scan# 2284
Delta R.T. -0.000 min
Lab File: BN036923.D
Acq: 28 Apr 2025 11:35

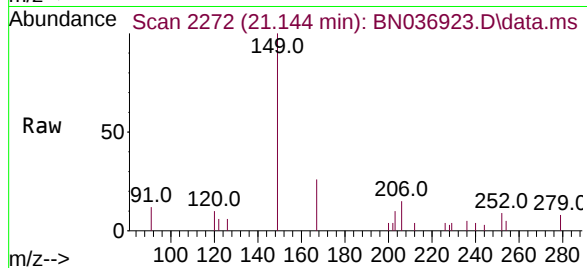
Tgt Ion:228 Resp: 1824
Ion Ratio Lower Upper
228 100
226 34.2 25.5 38.3
229 22.8 16.5 24.7





#34
Bis(2-ethylhexyl)phthalate
Concen: 0.114 ng
RT: 21.144 min Scan# 2114
Delta R.T. -0.000 min
Lab File: BN036923.D
Acq: 28 Apr 2025 11:35

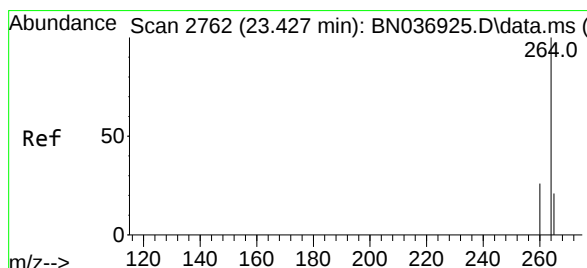
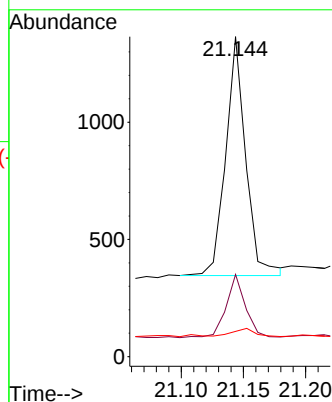
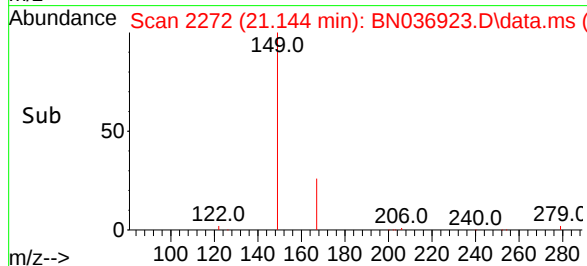
Instrument :
BNA_N
ClientSampleId :
SSTDICC0.1



Tgt Ion:149 Resp: 114
Ion Ratio Lower Upper
149 100
167 25.9 21.0 31.6
279 3.7 2.7 4.1

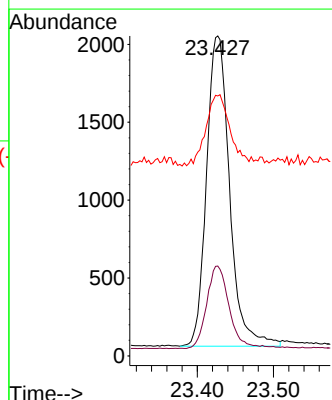
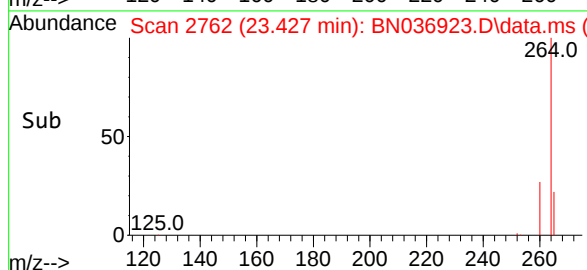
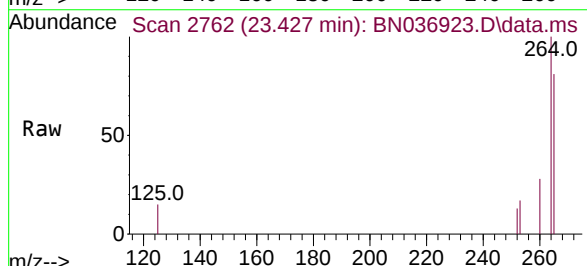
Manual Integrations
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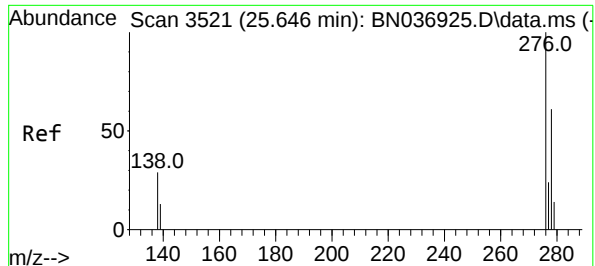
Reviewed By :Rahul Chavli 04/29/2025
Supervised By :Jagrut Upadhyay 04/29/2025



#35
Perylene-d12
Concen: 0.400 ng
RT: 23.427 min Scan# 2762
Delta R.T. -0.000 min
Lab File: BN036923.D
Acq: 28 Apr 2025 11:35

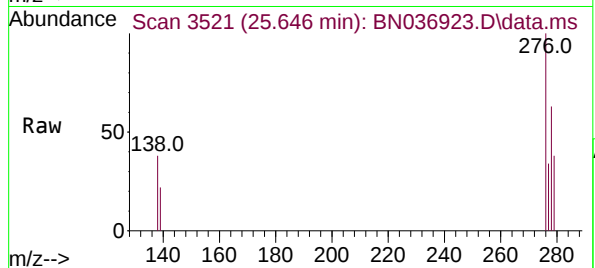
Tgt Ion:264 Resp: 4185
Ion Ratio Lower Upper
264 100
260 28.1 22.2 33.2
265 81.3 65.8 98.6





#36
Indeno(1,2,3-cd)pyrene
Concen: 0.097 ng
RT: 25.646 min Scan# 3521
Delta R.T. -0.000 min
Lab File: BN036923.D
Acq: 28 Apr 2025 11:35

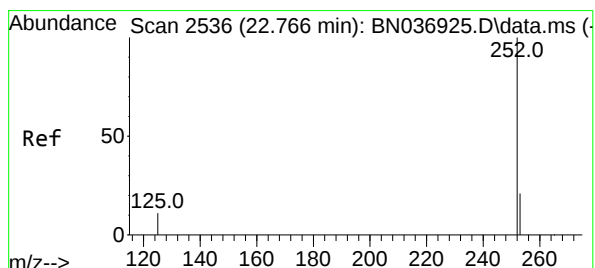
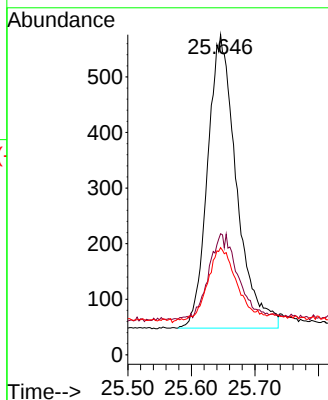
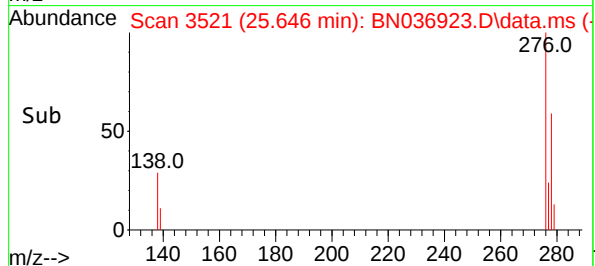
Instrument :
BNA_N
ClientSampleId :
SSTDICC0.1



Tgt Ion:276 Resp: 1669
Ion Ratio Lower Upper
276 100
138 29.5 23.0 34.6
277 24.7 20.0 30.0

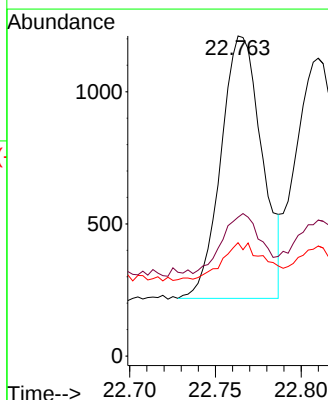
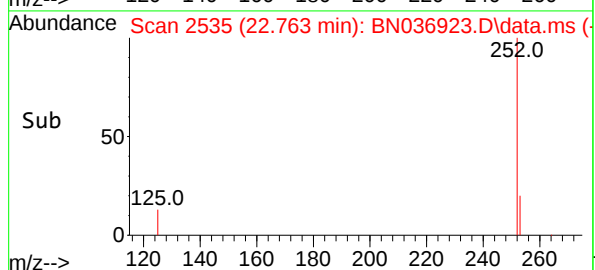
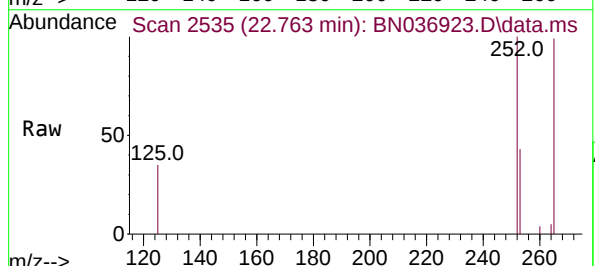
Manual Integrations
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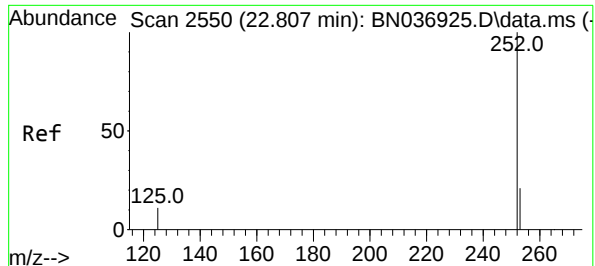
Reviewed By :Rahul Chavli 04/29/2025
Supervised By :Jagrut Upadhyay 04/29/2025



#37
Benzo(b)fluoranthene
Concen: 0.095 ng
RT: 22.763 min Scan# 2535
Delta R.T. -0.003 min
Lab File: BN036923.D
Acq: 28 Apr 2025 11:35

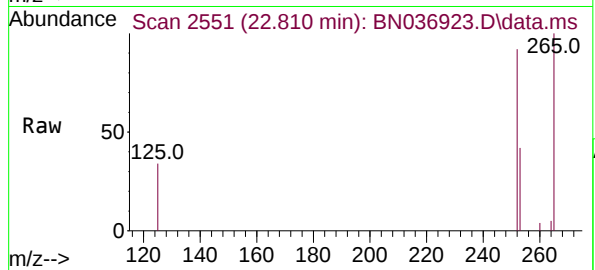
Tgt Ion:252 Resp: 1653
Ion Ratio Lower Upper
252 100
253 43.4 22.1 33.1#
125 35.4 14.2 21.2#





#38
Benzo(k)fluoranthene
Concen: 0.096 ng
RT: 22.810 min Scan# 2551
Delta R.T. 0.003 min
Lab File: BN036923.D
Acq: 28 Apr 2025 11:35

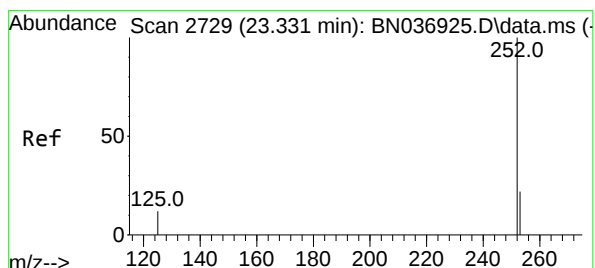
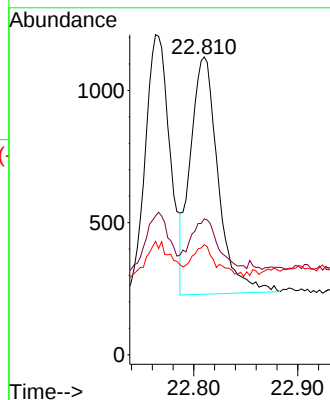
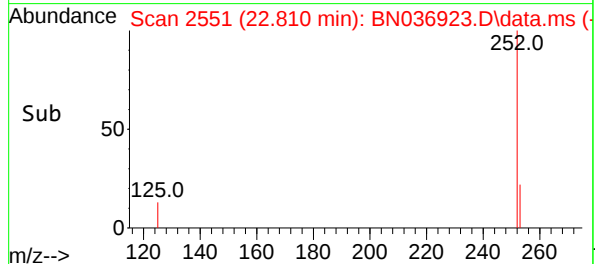
Instrument :
BNA_N
ClientSampleId :
SSTDICC0.1



Tgt Ion:252 Resp: 1679
Ion Ratio Lower Upper
252 100
253 45.6 22.8 34.2
125 36.9 14.2 21.2

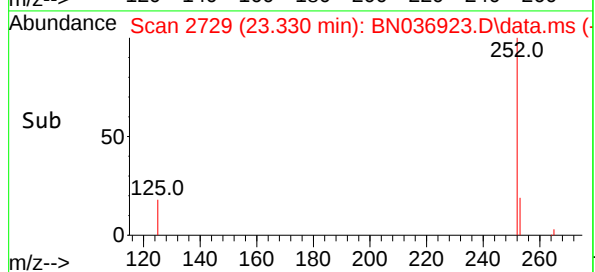
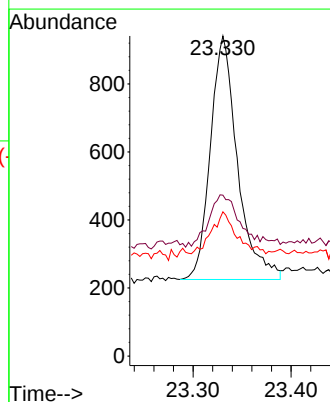
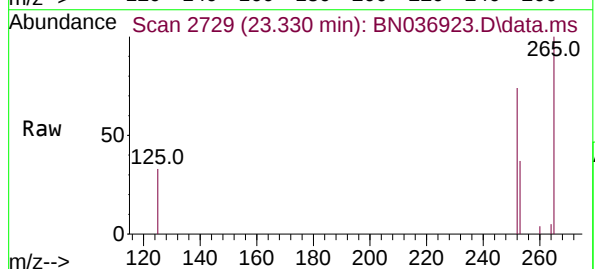
Manual Integrations
APPROVED

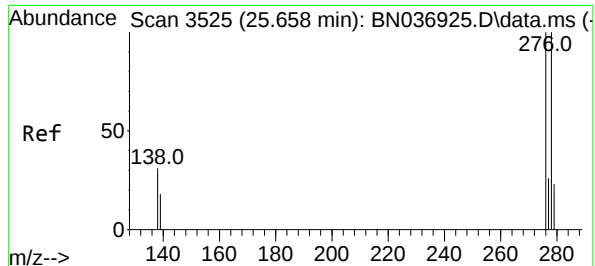
Reviewed By :Rahul Chavli 04/29/2025
Supervised By :Jagrut Upadhyay 04/29/2025



#39
Benzo(a)pyrene
Concen: 0.096 ng
RT: 23.330 min Scan# 2729
Delta R.T. -0.000 min
Lab File: BN036923.D
Acq: 28 Apr 2025 11:35

Tgt Ion:252 Resp: 1376
Ion Ratio Lower Upper
252 100
253 50.3 25.9 38.9#
125 45.1 17.4 26.0#





#40

Dibenzo(a,h)anthracene

Concen: 0.095 ng

RT: 25.658 min Scan# 31

Delta R.T. -0.000 min

Lab File: BN036923.D

Acq: 28 Apr 2025 11:35

Instrument :

BNA_N

ClientSampleId :

SSTDICC0.1

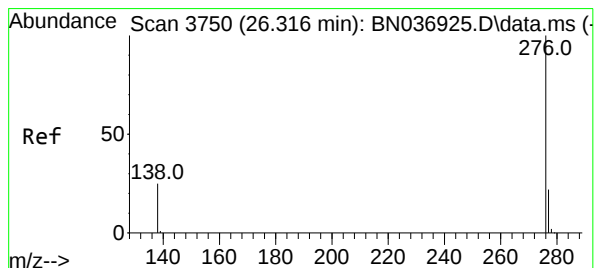
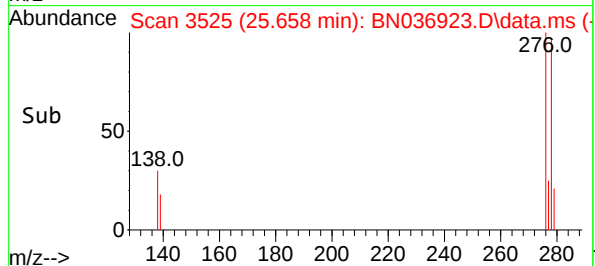
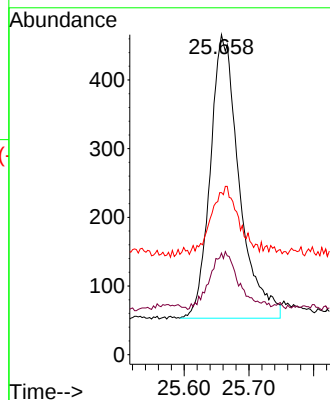
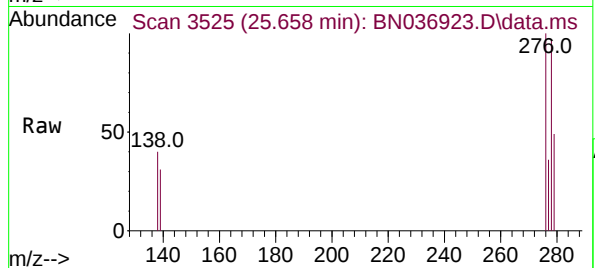
Tgt Ion:278 Resp: 1280
Ion Ratio Lower Upper
278 100
139 31.8 17.4 26.2#
279 50.6 24.9 37.3#

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 04/29/2025

Supervised By :Jagrut Upadhyay 04/29/2025



#41

Benzo(g,h,i)perylene

Concen: 0.101 ng

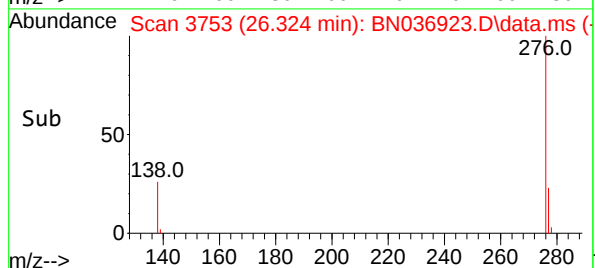
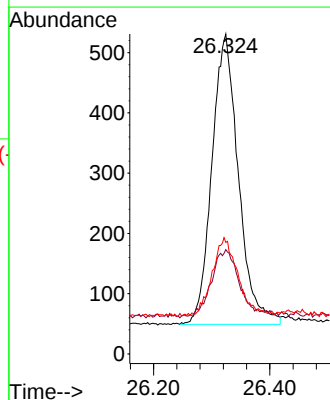
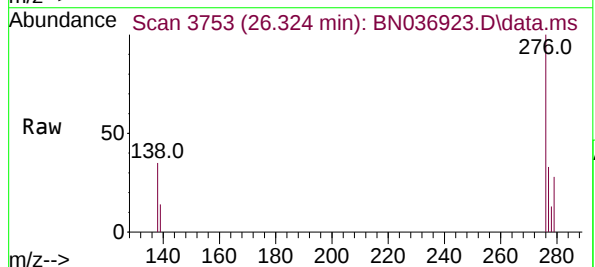
RT: 26.324 min Scan# 3753

Delta R.T. 0.009 min

Lab File: BN036923.D

Acq: 28 Apr 2025 11:35

Tgt Ion:276 Resp: 1527
Ion Ratio Lower Upper
276 100
277 32.6 20.2 30.2#
138 34.8 21.9 32.9#



Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN042825\
 Data File : BN036924.D
 Acq On : 28 Apr 2025 12:11
 Operator : RC/JU
 Sample : SSTDICC0.2
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 SSTDICC0.2

Manual Integrations
 APPROVED

Reviewed By :Rahul Chavli 04/29/2025
 Supervised By :Jagrut Upadhyay 04/29/2025

Quant Time: Apr 28 15:12:22 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN042825.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Apr 28 15:11:09 2025
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.633	152	2482	0.400	ng	0.00
7) Naphthalene-d8	10.415	136	6094	0.400	ng	0.00
13) Acenaphthene-d10	14.277	164	3232	0.400	ng	0.00
19) Phenanthrene-d10	17.021	188	6237	0.400	ng	0.00
29) Chrysene-d12	21.216	240	4535	0.400	ng	0.00
35) Perylene-d12	23.430	264	4026	0.400	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.221	112	1310	0.205	ng	0.00
5) Phenol-d6	6.802	99	1535	0.197	ng	0.00
8) Nitrobenzene-d5	8.781	82	1223	0.193	ng	0.00
11) 2-Methylnaphthalene-d10	12.006	152	1620	0.192	ng	0.00
14) 2,4,6-Tribromophenol	15.767	330	279	0.197	ng	0.00
15) 2-Fluorobiphenyl	12.899	172	3191	0.204	ng	0.00
27) Fluoranthene-d10	19.059	212	3130	0.196	ng	0.00
31) Terphenyl-d14	19.667	244	2136	0.198	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.155	88	607m	0.194	ng	
3) n-Nitrosodimethylamine	3.473	42	1238	0.204	ng	# 99
6) bis(2-Chloroethyl)ether	7.062	93	1394	0.192	ng	98
9) Naphthalene	10.458	128	3495	0.197	ng	97
10) Hexachlorobutadiene	10.757	225	763	0.197	ng	# 98
12) 2-Methylnaphthalene	12.082	142	2173	0.191	ng	100
16) Acenaphthylene	13.989	152	2990	0.191	ng	100
17) Acenaphthene	14.341	154	2053	0.198	ng	99
18) Fluorene	15.325	166	2605	0.193	ng	99
20) 4,6-Dinitro-2-methylph...	15.411	198	258	0.165	ng	# 57
21) 4-Bromophenyl-phenylether	16.227	248	819	0.197	ng	99
22) Hexachlorobenzene	16.338	284	900	0.196	ng	99
23) Atrazine	16.500	200	618	0.189	ng	98
24) Pentachlorophenol	16.686	266	425	0.178	ng	98
25) Phenanthrene	17.058	178	3972	0.194	ng	100
26) Anthracene	17.158	178	3454	0.188	ng	100
28) Fluoranthene	19.091	202	4305	0.189	ng	99
30) Pyrene	19.454	202	4403	0.200	ng	100
32) Benzo(a)anthracene	21.198	228	3191	0.193	ng	97
33) Chrysene	21.251	228	3574	0.197	ng	99
34) Bis(2-ethylhexyl)phtha...	21.144	149	1921	0.203	ng	98
36) Indeno(1,2,3-cd)pyrene	25.643	276	3163	0.192	ng	99
37) Benzo(b)fluoranthene	22.766	252	3124	0.187	ng	# 88
38) Benzo(k)fluoranthene	22.810	252	3158	0.187	ng	# 87
39) Benzo(a)pyrene	23.328	252	2619	0.190	ng	# 84
40) Dibenzo(a,h)anthracene	25.661	278	2498	0.193	ng	# 88
41) Benzo(g,h,i)perylene	26.327	276	2828	0.195	ng	96

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

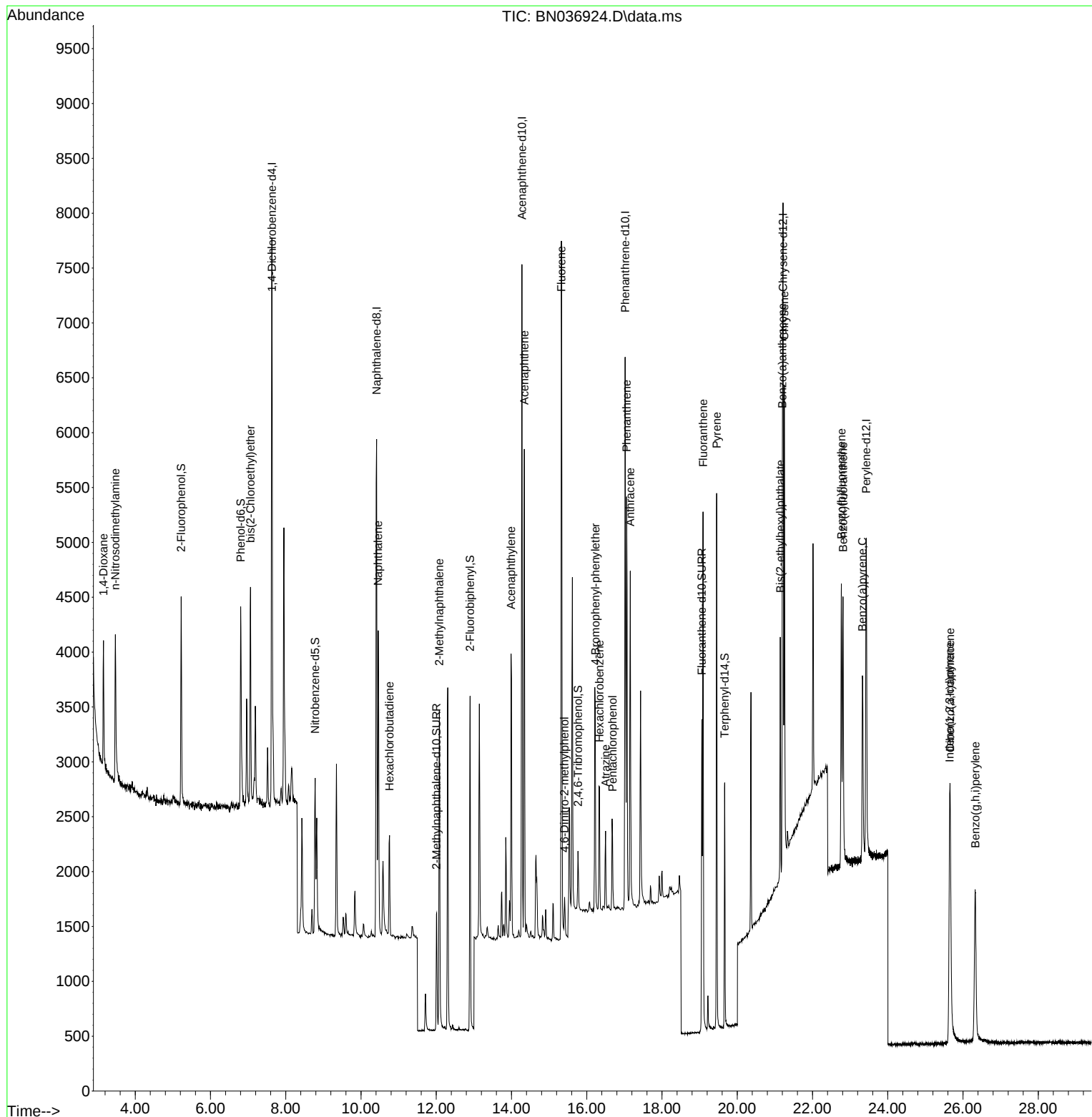
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN042825\
 Data File : BN036924.D
 Acq On : 28 Apr 2025 12:11
 Operator : RC/JU
 Sample : SSTDICC0.2
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

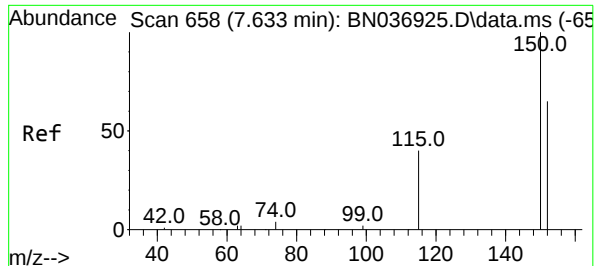
Instrument :
 BNA_N
 ClientSampleId :
 SSTDICC0.2

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 04/29/2025
 Supervised By :Jagrut Upadhyay 04/29/2025

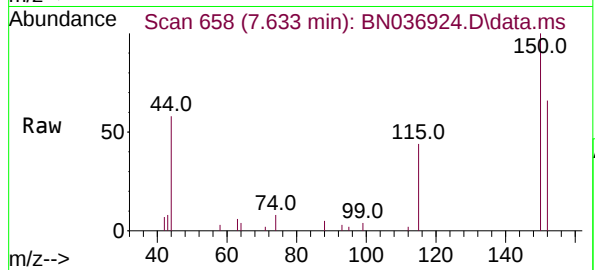
Quant Time: Apr 28 15:12:22 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN042825.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Apr 28 15:11:09 2025
 Response via : Initial Calibration





#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.633 min Scan# 61
Delta R.T. -0.000 min
Lab File: BN036924.D
Acq: 28 Apr 2025 12:11

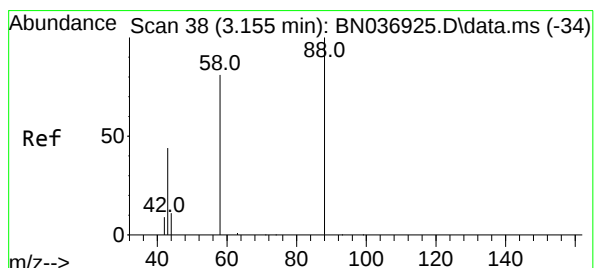
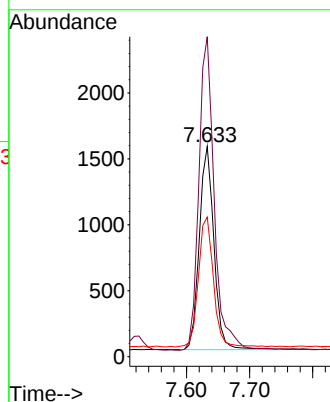
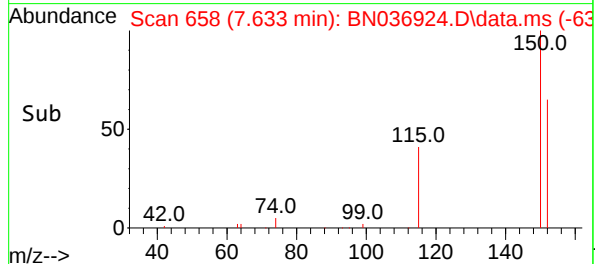
Instrument :
BNA_N
ClientSampleId :
SSTDICC0.2



Tgt Ion: 152 Resp: 248
Ion Ratio Lower Upper
152 100
150 152.3 121.1 181.7
115 66.4 51.8 77.6

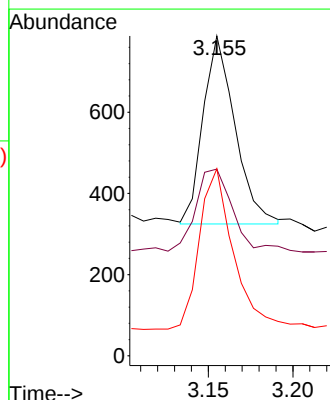
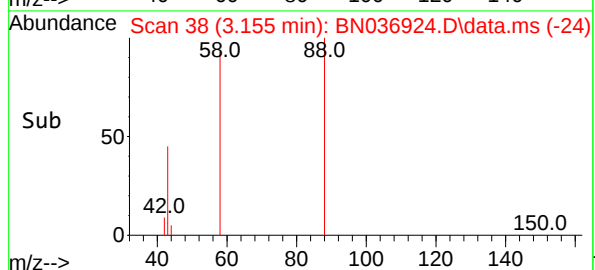
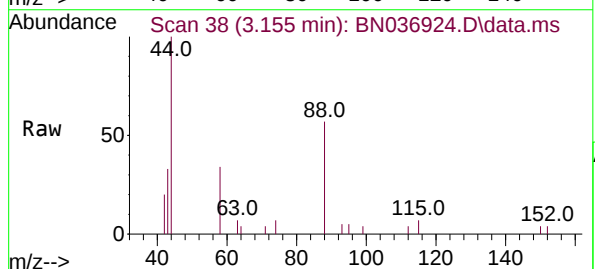
Manual Integrations
APPROVED

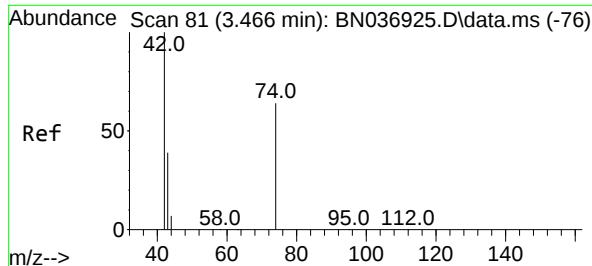
Reviewed By :Rahul Chavli 04/29/2025
Supervised By :Jagrut Upadhyay 04/29/2025



#2
1,4-Dioxane
Concen: 0.194 ng m
RT: 3.155 min Scan# 38
Delta R.T. -0.000 min
Lab File: BN036924.D
Acq: 28 Apr 2025 12:11

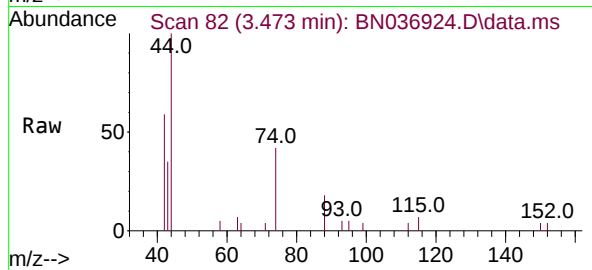
Tgt Ion: 88 Resp: 607
Ion Ratio Lower Upper
88 100
43 66.4 37.9 56.9#
58 94.4 65.8 98.6





#3
n-Nitrosodimethylamine
Concen: 0.204 ng
RT: 3.473 min Scan# 81
Delta R.T. 0.007 min
Lab File: BN036924.D
Acq: 28 Apr 2025 12:11

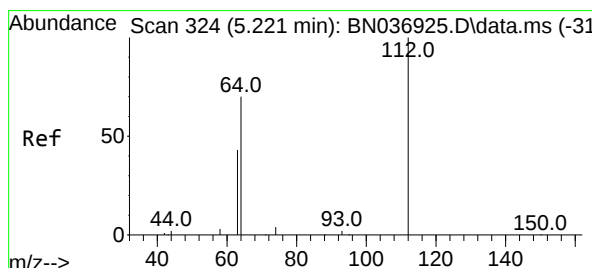
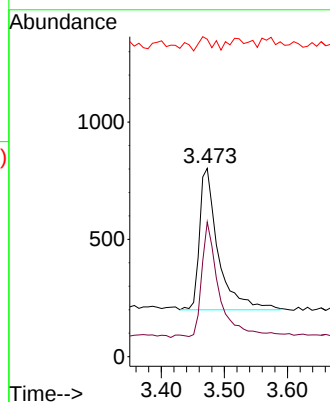
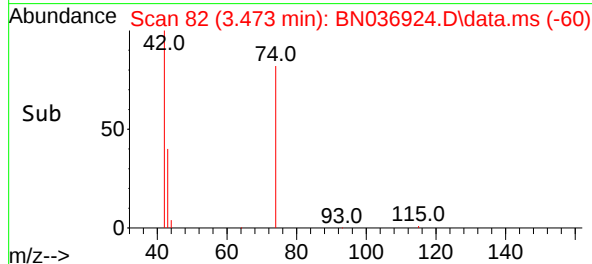
Instrument :
BNA_N
ClientSampleId :
SSTDICC0.2



Tgt Ion: 42 Resp: 1238
Ion Ratio Lower Upper
42 100
74 74.2 59.9 89.9
44 7.1 7.5 11.3

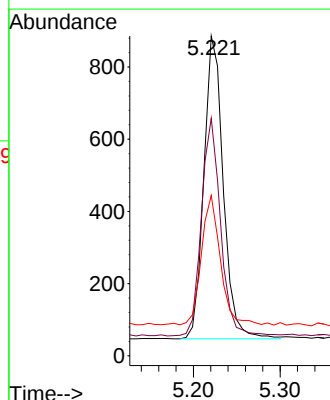
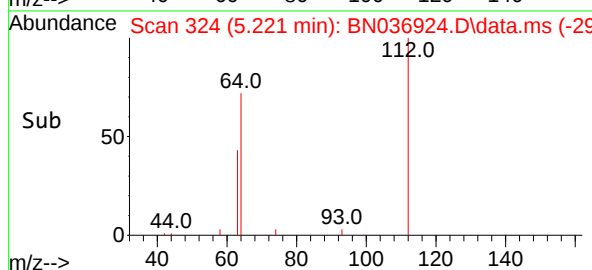
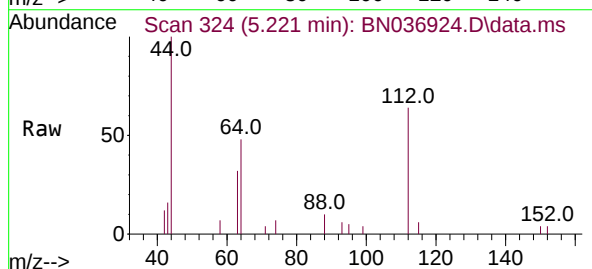
Manual Integrations
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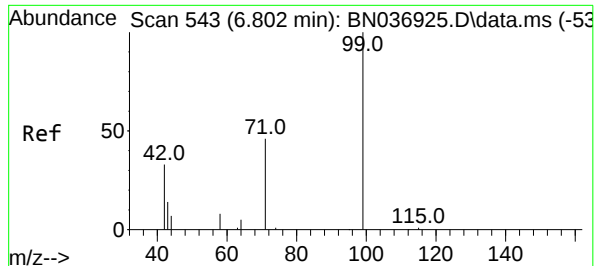
Reviewed By :Rahul Chavli 04/29/2025
Supervised By :Jagrut Upadhyay 04/29/2025



#4
2-Fluorophenol
Concen: 0.205 ng
RT: 5.221 min Scan# 324
Delta R.T. -0.000 min
Lab File: BN036924.D
Acq: 28 Apr 2025 12:11

Tgt Ion:112 Resp: 1310
Ion Ratio Lower Upper
112 100
64 70.8 55.7 83.5
63 42.5 33.9 50.9





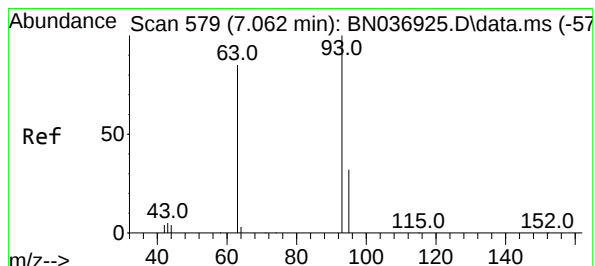
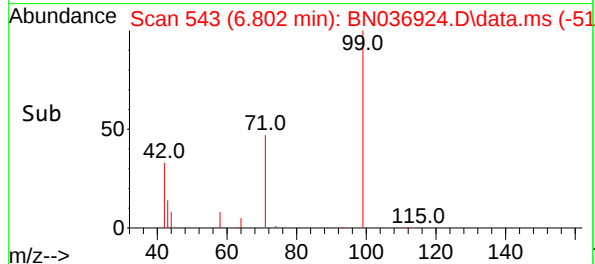
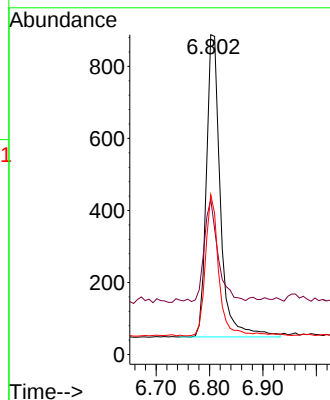
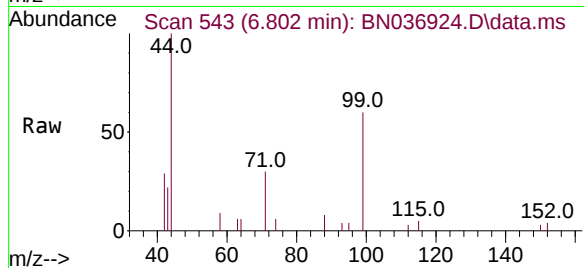
#5
Phenol-d6
Concen: 0.197 ng
RT: 6.802 min Scan# 543
Delta R.T. -0.000 min
Lab File: BN036924.D
Acq: 28 Apr 2025 12:11

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.2

Tgt Ion: 99 Resp: 1538
Ion Ratio Lower Upper
99 100
42 33.2 29.6 44.4
71 43.6 36.0 54.0

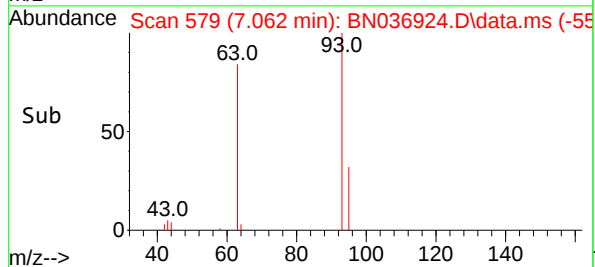
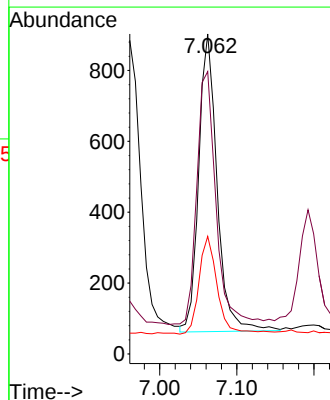
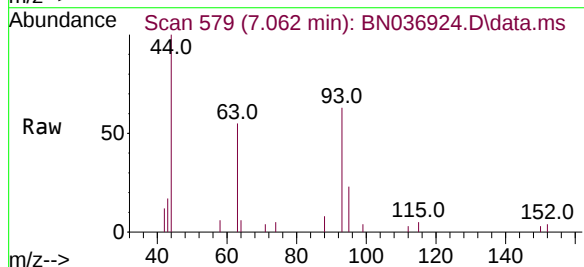
Manual Integrations
APPROVED

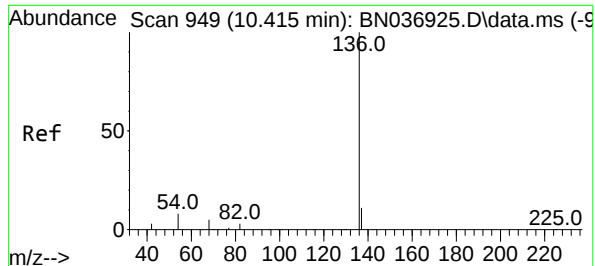
Reviewed By :Rahul Chavli 04/29/2025
Supervised By :Jagrut Upadhyay 04/29/2025



#6
bis(2-Chloroethyl)ether
Concen: 0.192 ng
RT: 7.062 min Scan# 579
Delta R.T. -0.000 min
Lab File: BN036924.D
Acq: 28 Apr 2025 12:11

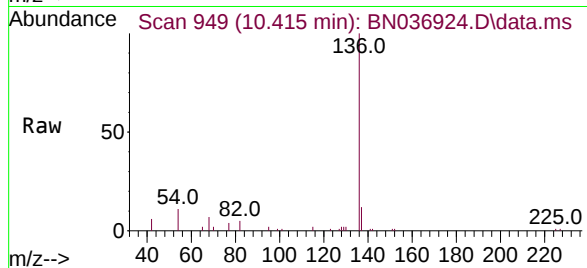
Tgt Ion: 93 Resp: 1394
Ion Ratio Lower Upper
93 100
63 88.4 69.0 103.6
95 33.1 25.4 38.0





#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.415 min Scan# 949
Delta R.T. -0.000 min
Lab File: BN036924.D
Acq: 28 Apr 2025 12:11

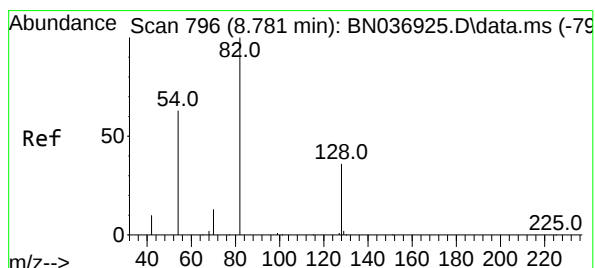
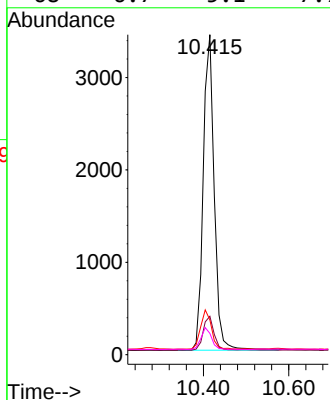
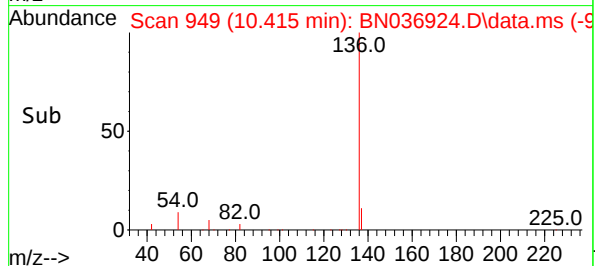
Instrument :
BNA_N
ClientSampleId :
SSTDICC0.2



Tgt Ion	Ratio	Lower	Upper
136	100		
137	12.0	9.7	14.5
54	10.8	8.0	12.0
68	6.7	5.1	7.7

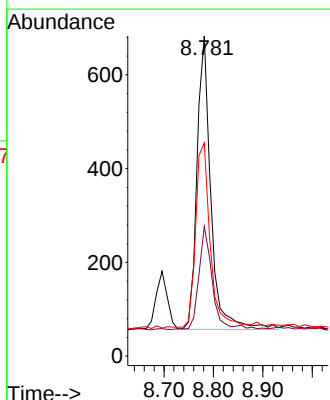
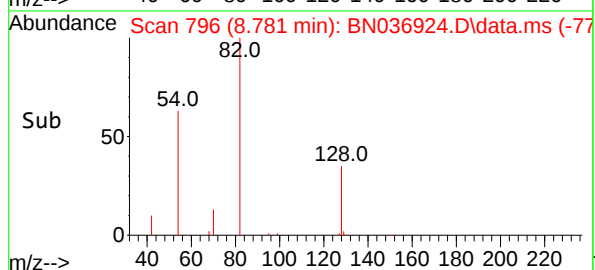
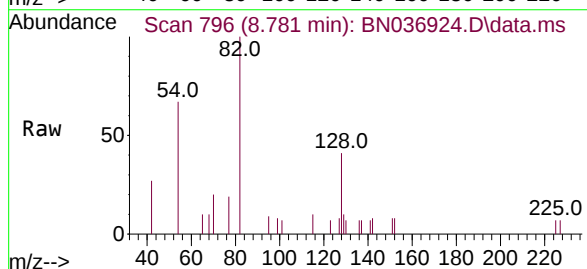
Manual Integrations
APPROVED

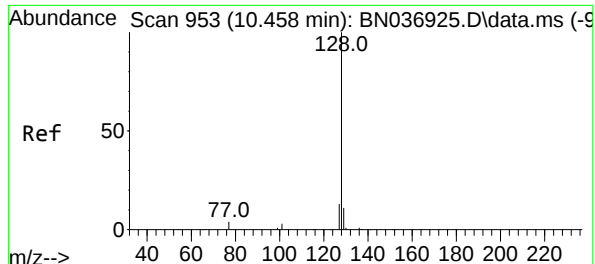
Reviewed By :Rahul Chavli 04/29/2025
Supervised By :Jagrut Upadhyay 04/29/2025



#8
Nitrobenzene-d5
Concen: 0.193 ng
RT: 8.781 min Scan# 796
Delta R.T. -0.000 min
Lab File: BN036924.D
Acq: 28 Apr 2025 12:11

Tgt Ion	Ratio	Lower	Upper
82	100		
128	40.6	30.7	46.1
54	66.6	52.1	78.1





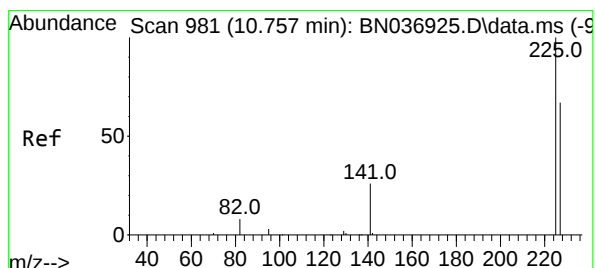
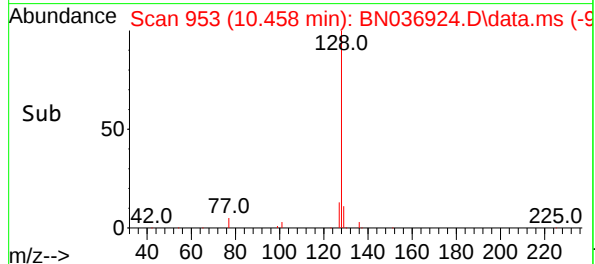
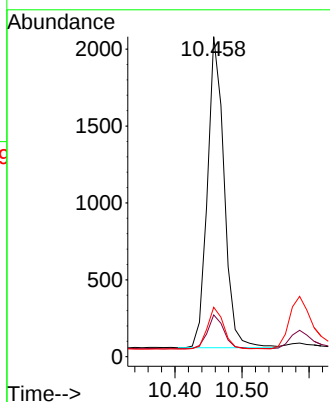
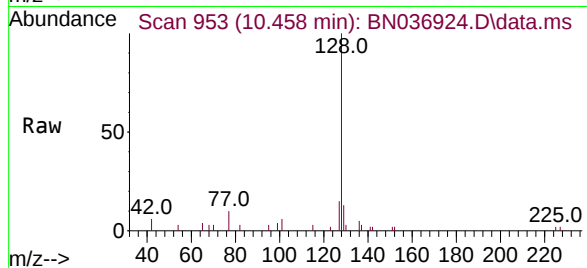
#9
Naphthalene
Concen: 0.197 ng
RT: 10.458 min Scan# 953
Delta R.T. -0.000 min
Lab File: BN036924.D
Acq: 28 Apr 2025 12:11

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.2

Tgt Ion	Ratio	Lower	Upper
128	100		
129	13.1	9.8	14.6
127	15.5	11.4	17.2

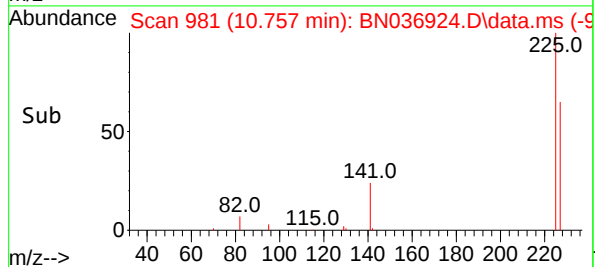
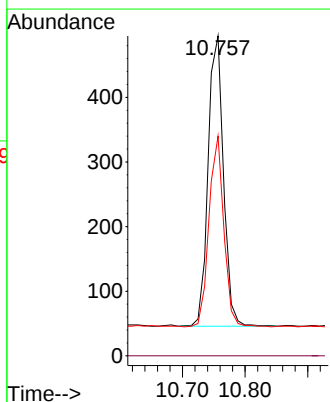
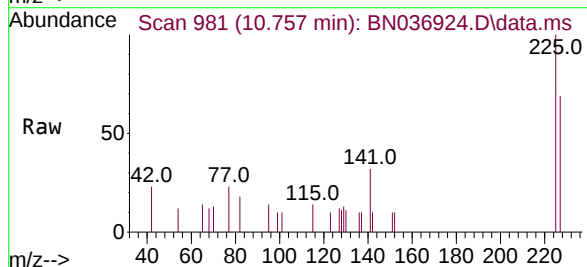
Manual Integrations
APPROVED

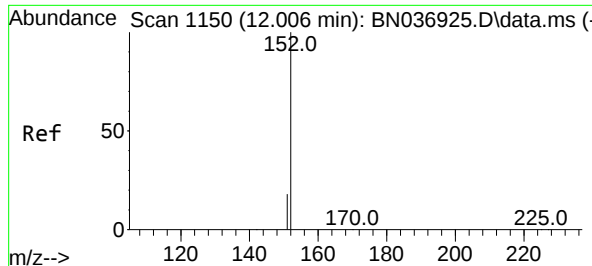
Reviewed By :Rahul Chavli 04/29/2025
Supervised By :Jagrut Upadhyay 04/29/2025



#10
Hexachlorobutadiene
Concen: 0.197 ng
RT: 10.757 min Scan# 981
Delta R.T. -0.000 min
Lab File: BN036924.D
Acq: 28 Apr 2025 12:11

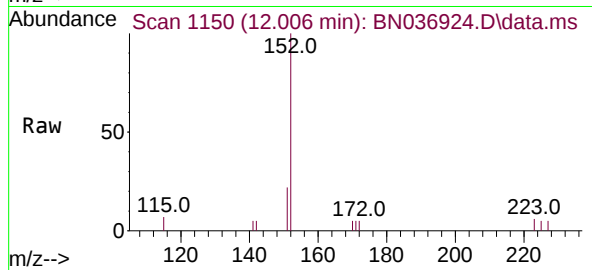
Tgt Ion	Ratio	Lower	Upper
225	100		
223	0.0	0.0	0.0
227	63.4	52.2	78.4





#11
2-Methylnaphthalene-d10
Concen: 0.192 ng
RT: 12.006 min Scan# 1150
Delta R.T. -0.000 min
Lab File: BN036924.D
Acq: 28 Apr 2025 12:11

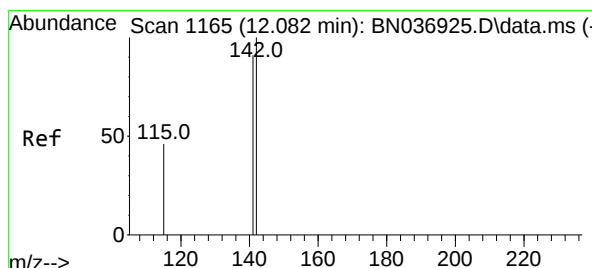
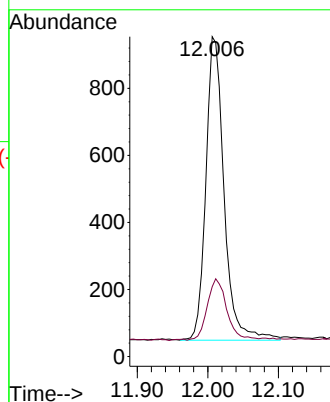
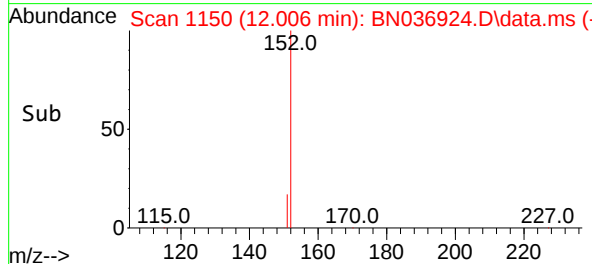
Instrument :
BNA_N
ClientSampleId :
SSTDICC0.2



Tgt Ion:152 Resp: 1620
Ion Ratio Lower Upper
152 100
151 21.7 16.9 25.3

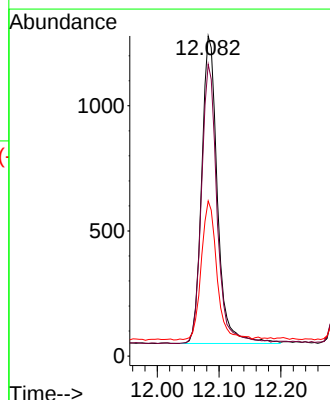
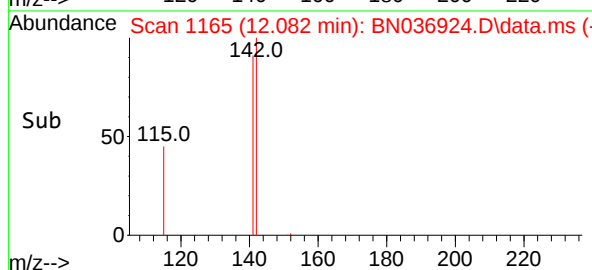
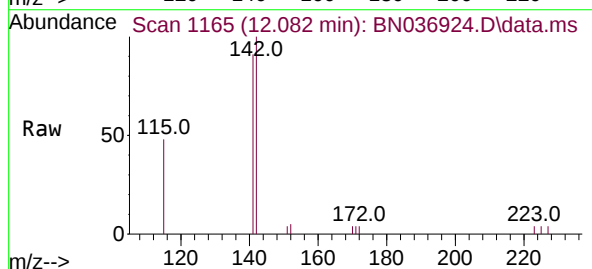
Manual Integrations
APPROVED

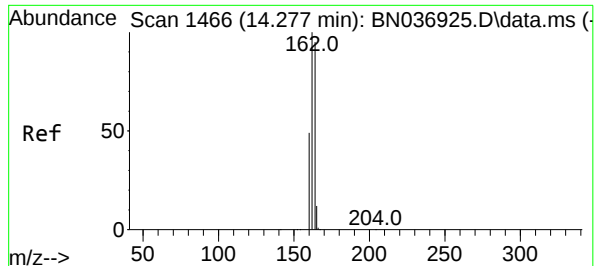
Reviewed By :Rahul Chavli 04/29/2025
Supervised By :Jagrut Upadhyay 04/29/2025



#12
2-Methylnaphthalene
Concen: 0.191 ng
RT: 12.082 min Scan# 1165
Delta R.T. -0.000 min
Lab File: BN036924.D
Acq: 28 Apr 2025 12:11

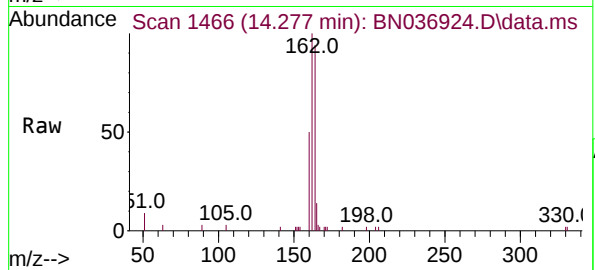
Tgt Ion:142 Resp: 2173
Ion Ratio Lower Upper
142 100
141 91.2 72.8 109.2
115 48.5 38.2 57.4





#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.277 min Scan# 1466
Delta R.T. -0.000 min
Lab File: BN036924.D
Acq: 28 Apr 2025 12:11

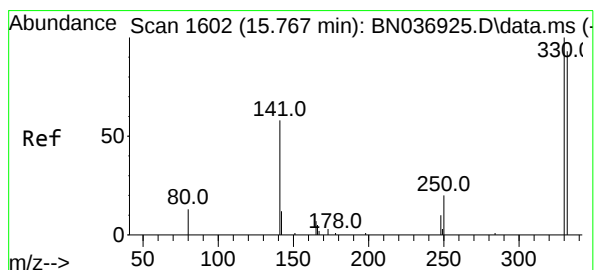
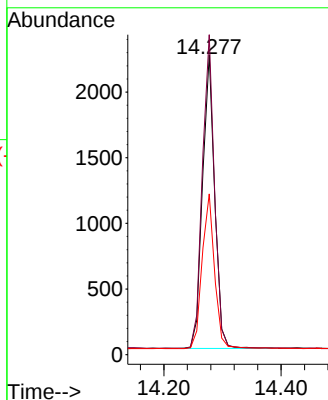
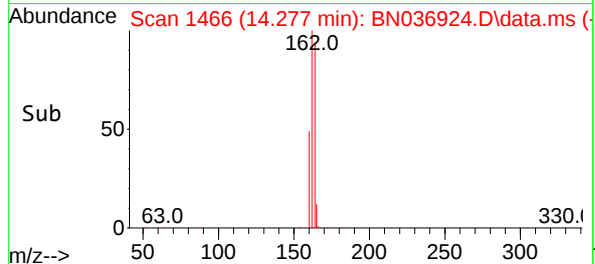
Instrument :
BNA_N
ClientSampleId :
SSTDICC0.2



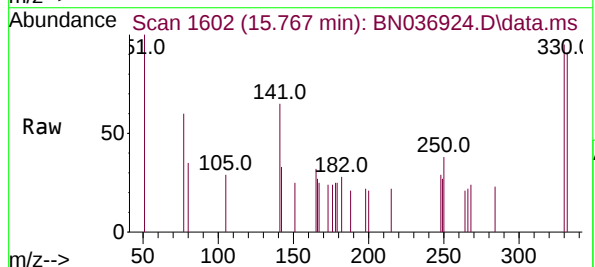
Tgt Ion:164 Resp: 323
Ion Ratio Lower Upper
164 100
162 106.7 83.8 125.8
160 53.6 42.0 63.0

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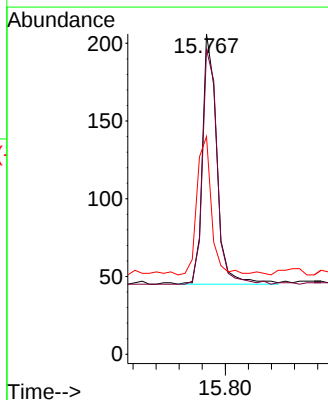
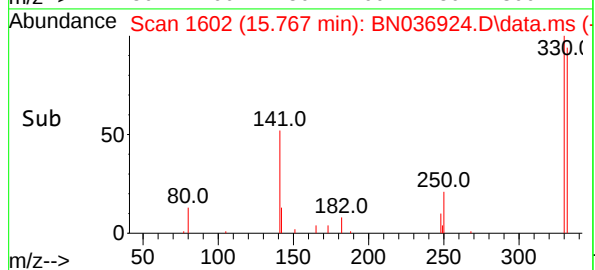
Reviewed By :Rahul Chavli 04/29/2025
Supervised By :Jagrut Upadhyay 04/29/2025

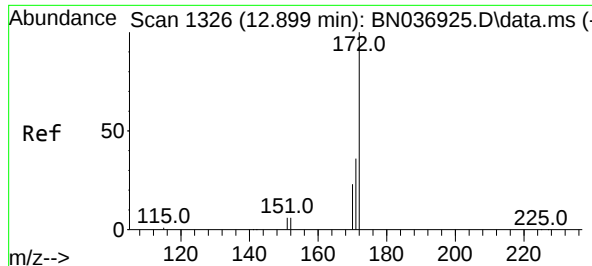


#14
2,4,6-Tribromophenol
Concen: 0.197 ng
RT: 15.767 min Scan# 1602
Delta R.T. -0.000 min
Lab File: BN036924.D
Acq: 28 Apr 2025 12:11



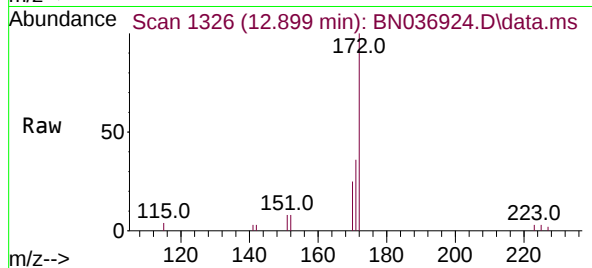
Tgt Ion:330 Resp: 279
Ion Ratio Lower Upper
330 100
332 95.7 76.3 114.5
141 55.9 45.4 68.2





#15
2-Fluorobiphenyl
Concen: 0.204 ng
RT: 12.899 min Scan# 1438
Delta R.T. -0.000 min
Lab File: BN036924.D
Acq: 28 Apr 2025 12:11

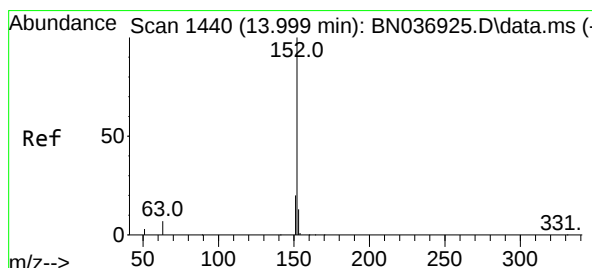
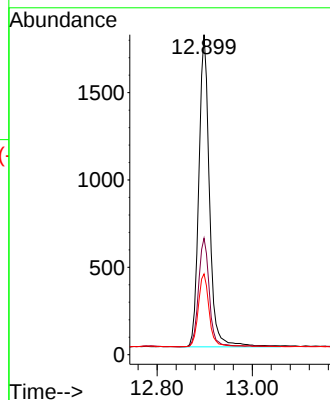
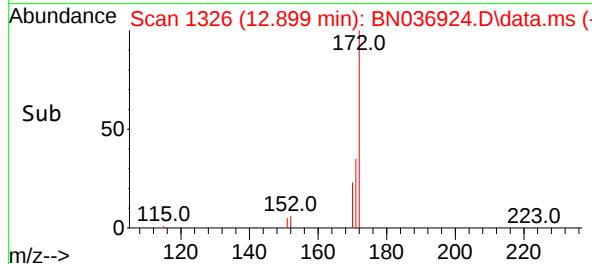
Instrument :
BNA_N
ClientSampleId :
SSTDICC0.2



Tgt Ion:172 Resp: 319
Ion Ratio Lower Upper
172 100
171 36.4 29.4 44.0
170 25.3 19.4 29.0

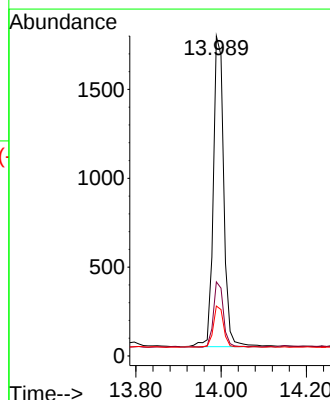
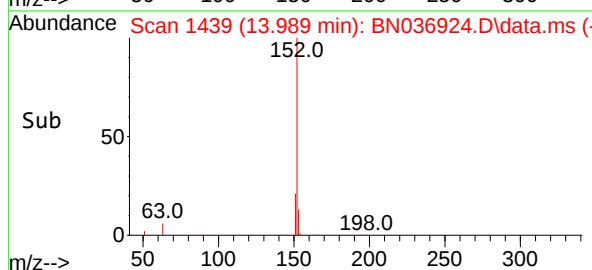
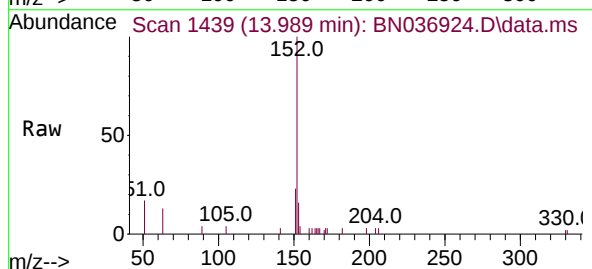
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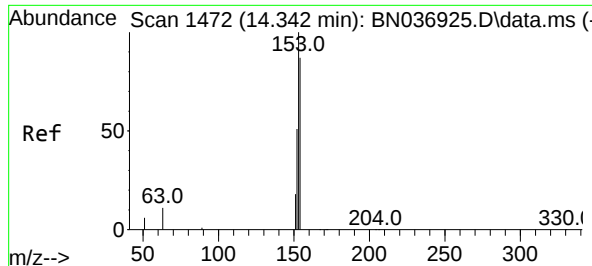
Reviewed By :Rahul Chavli 04/29/2025
Supervised By :Jagrut Upadhyay 04/29/2025



#16
Acenaphthylene
Concen: 0.191 ng
RT: 13.989 min Scan# 1439
Delta R.T. -0.011 min
Lab File: BN036924.D
Acq: 28 Apr 2025 12:11

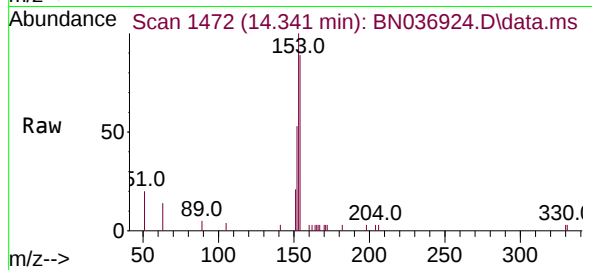
Tgt Ion:152 Resp: 2990
Ion Ratio Lower Upper
152 100
151 20.2 16.0 24.0
153 12.8 10.2 15.2





#17
Acenaphthene
Concen: 0.198 ng
RT: 14.341 min Scan# 1472
Delta R.T. -0.000 min
Lab File: BN036924.D
Acq: 28 Apr 2025 12:11

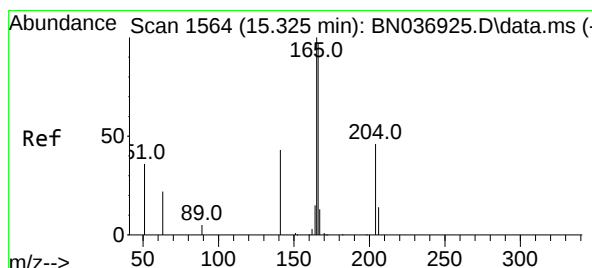
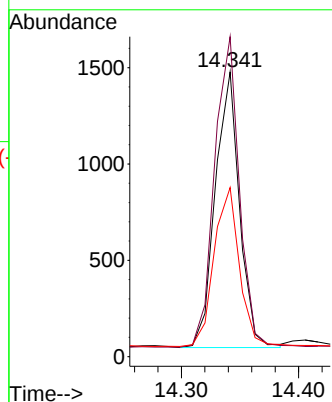
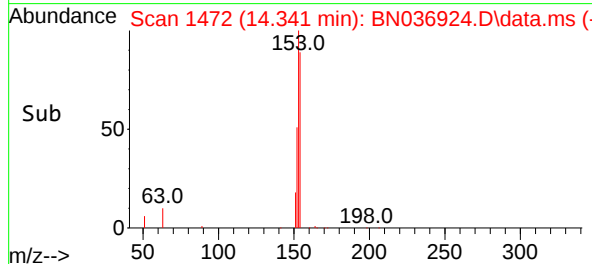
Instrument :
BNA_N
ClientSampleId :
SSTDICC0.2



Tgt Ion:154 Resp: 205
Ion Ratio Lower Upper
154 100
153 115.1 93.4 140.2
152 60.9 49.5 74.3

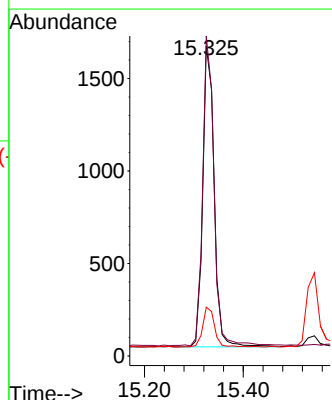
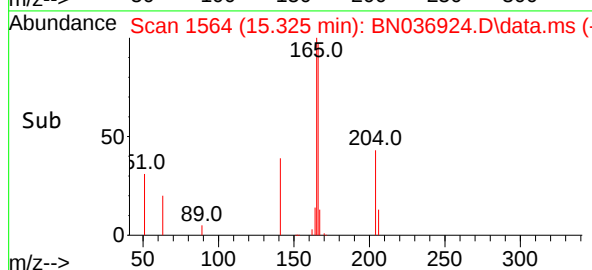
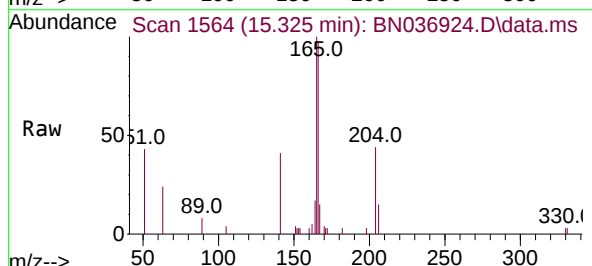
Manual Integrations
APPROVED

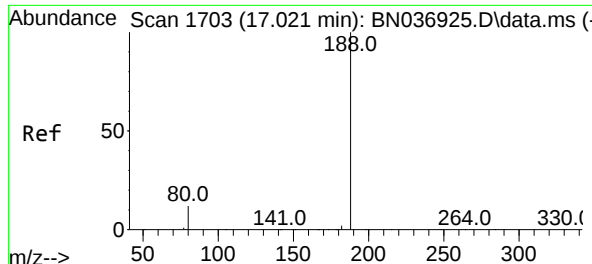
Reviewed By :Rahul Chavli 04/29/2025
Supervised By :Jagrut Upadhyay 04/29/2025



#18
Fluorene
Concen: 0.193 ng
RT: 15.325 min Scan# 1564
Delta R.T. -0.000 min
Lab File: BN036924.D
Acq: 28 Apr 2025 12:11

Tgt Ion:166 Resp: 2605
Ion Ratio Lower Upper
166 100
165 101.9 80.8 121.2
167 14.0 10.8 16.2





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 17.021 min Scan# 11

Delta R.T. -0.000 min

Lab File: BN036924.D

Acq: 28 Apr 2025 12:11

Instrument :

BNA_N

ClientSampleId :

SSTDICC0.2

Tgt Ion:188 Resp: 623

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

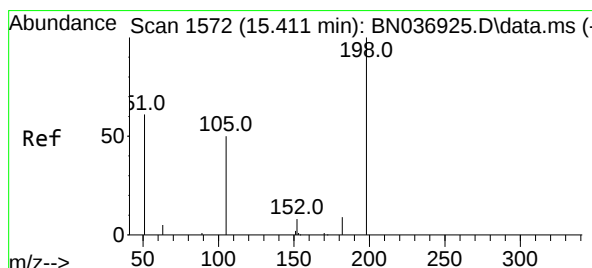
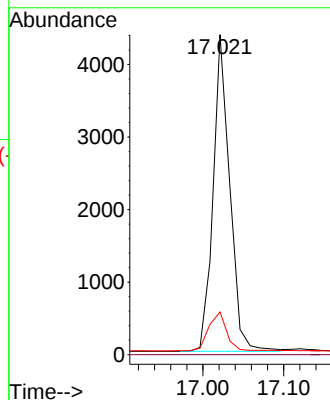
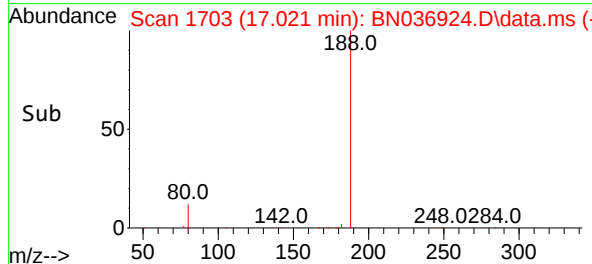
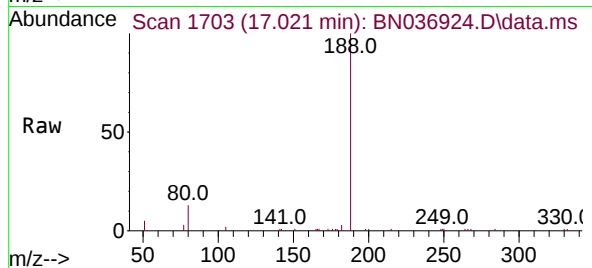
80 13.4 10.7 16.1

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 04/29/2025

Supervised By :Jagrut Upadhyay 04/29/2025



#20

4,6-Dinitro-2-methylphenol

Concen: 0.165 ng

RT: 15.411 min Scan# 1572

Delta R.T. -0.000 min

Lab File: BN036924.D

Acq: 28 Apr 2025 12:11

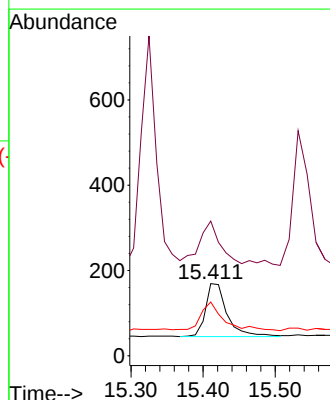
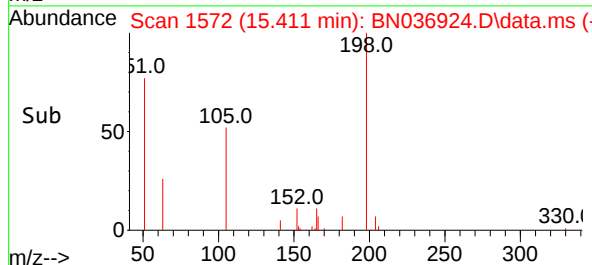
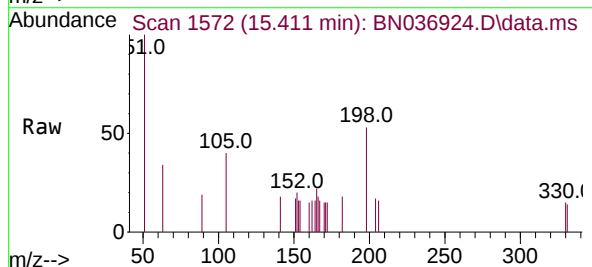
Tgt Ion:198 Resp: 258

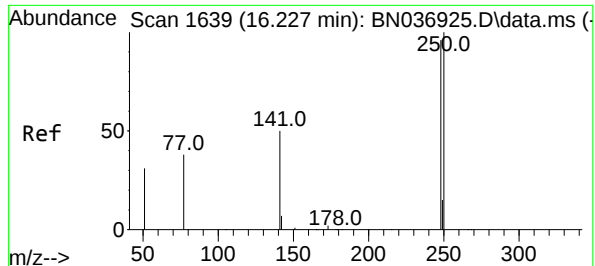
Ion Ratio Lower Upper

198 100

51 187.0 97.9 146.9

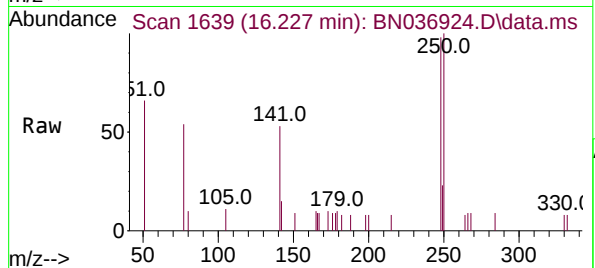
105 74.6 50.0 75.0





#21
4-Bromophenyl-phenylether
Concen: 0.197 ng
RT: 16.227 min Scan# 1639
Delta R.T. -0.000 min
Lab File: BN036924.D
Acq: 28 Apr 2025 12:11

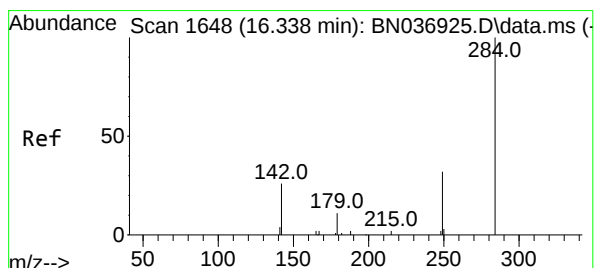
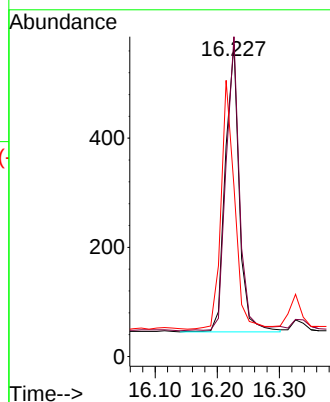
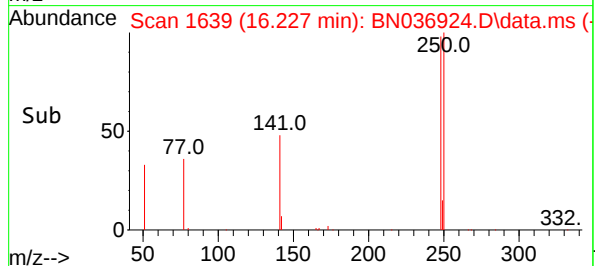
Instrument :
BNA_N
ClientSampleId :
SSTDICC0.2



Tgt Ion:248 Resp: 819
Ion Ratio Lower Upper
248 100
250 102.4 83.7 125.5
141 54.5 43.8 65.8

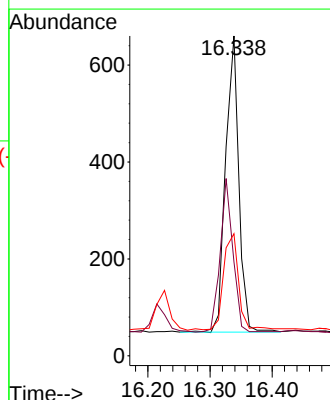
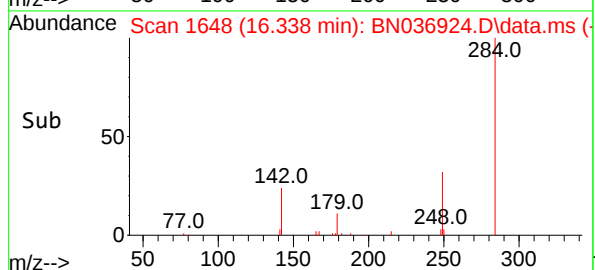
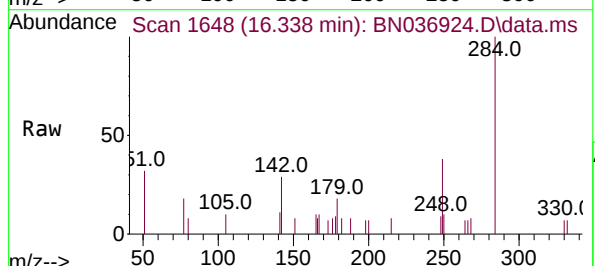
Manual Integrations
APPROVED

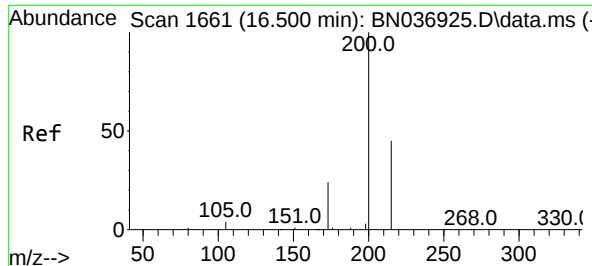
Reviewed By :Rahul Chavli 04/29/2025
Supervised By :Jagrut Upadhyay 04/29/2025



#22
Hexachlorobenzene
Concen: 0.196 ng
RT: 16.338 min Scan# 1648
Delta R.T. -0.000 min
Lab File: BN036924.D
Acq: 28 Apr 2025 12:11

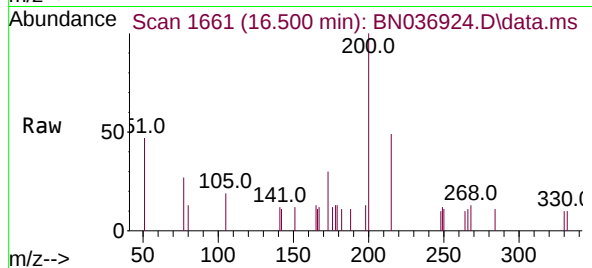
Tgt Ion:284 Resp: 900
Ion Ratio Lower Upper
284 100
142 49.8 40.0 60.0
249 37.0 28.2 42.2





#23
Atrazine
Concen: 0.189 ng
RT: 16.500 min Scan# 1661
Delta R.T. -0.000 min
Lab File: BN036924.D
Acq: 28 Apr 2025 12:11

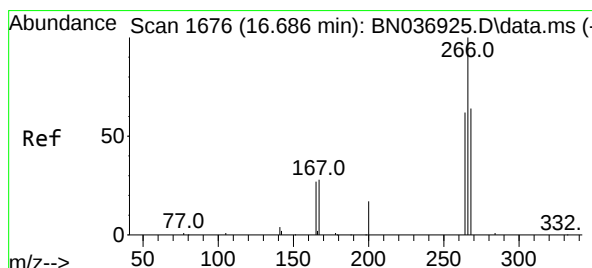
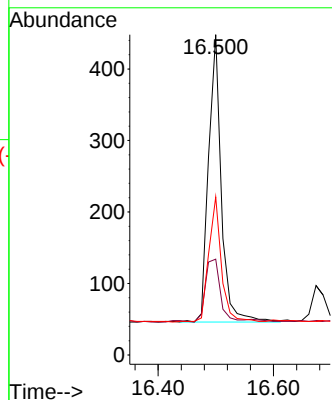
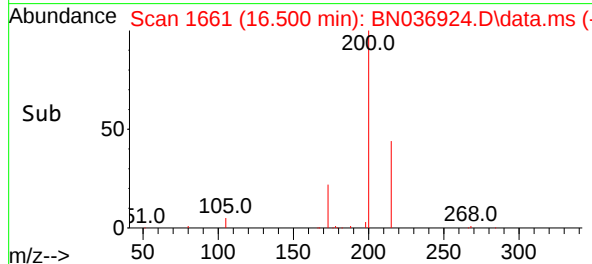
Instrument :
BNA_N
ClientSampleId :
SSTDICC0.2



Tgt Ion:200 Resp: 618
Ion Ratio Lower Upper
200 100
173 29.9 22.4 33.6
215 49.3 38.6 57.8

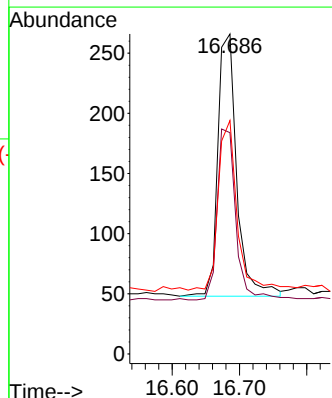
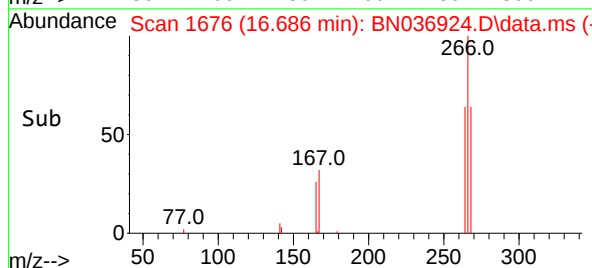
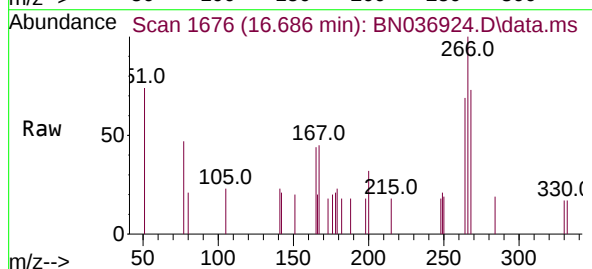
Manual Integrations
APPROVED

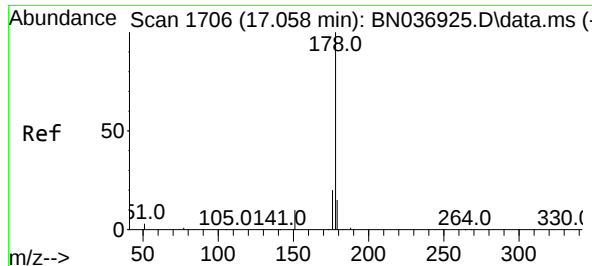
Reviewed By :Rahul Chavli 04/29/2025
Supervised By :Jagrut Upadhyay 04/29/2025



#24
Pentachlorophenol
Concen: 0.178 ng
RT: 16.686 min Scan# 1676
Delta R.T. -0.000 min
Lab File: BN036924.D
Acq: 28 Apr 2025 12:11

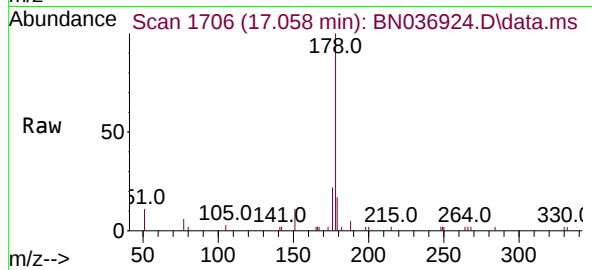
Tgt Ion:266 Resp: 425
Ion Ratio Lower Upper
266 100
264 64.5 49.9 74.9
268 66.8 52.2 78.4





#25
Phenanthrene
Concen: 0.194 ng
RT: 17.058 min Scan# 1706
Delta R.T. -0.000 min
Lab File: BN036924.D
Acq: 28 Apr 2025 12:11

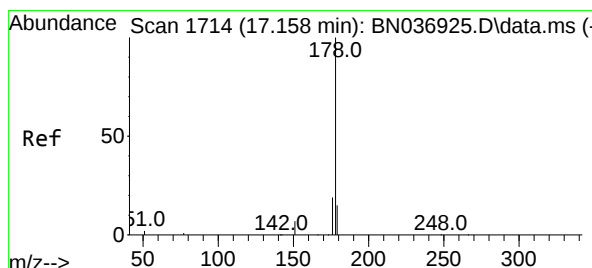
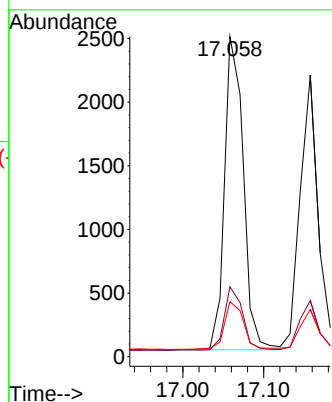
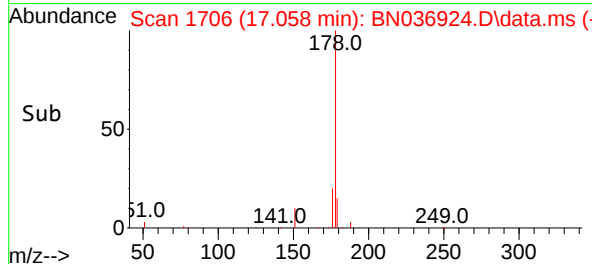
Instrument :
BNA_N
ClientSampleId :
SSTDICC0.2



Tgt Ion:178 Resp: 3972
Ion Ratio Lower Upper
178 100
176 19.9 15.7 23.5
179 15.5 12.4 18.6

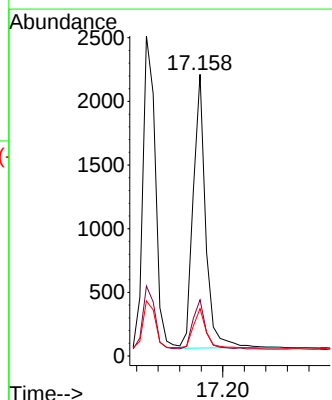
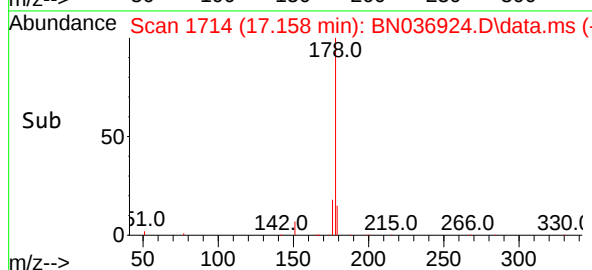
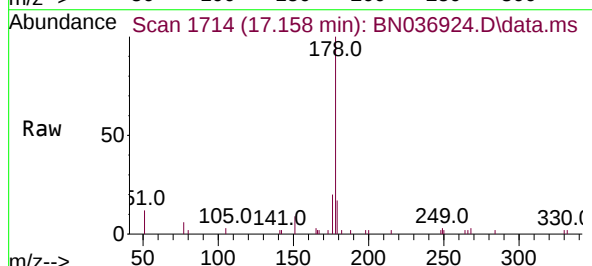
Manual Integrations
APPROVED

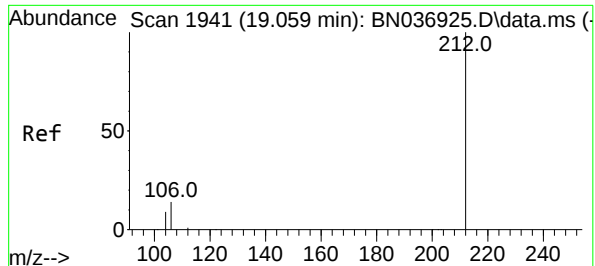
Reviewed By :Rahul Chavli 04/29/2025
Supervised By :Jagrut Upadhyay 04/29/2025



#26
Anthracene
Concen: 0.188 ng
RT: 17.158 min Scan# 1714
Delta R.T. -0.000 min
Lab File: BN036924.D
Acq: 28 Apr 2025 12:11

Tgt Ion:178 Resp: 3454
Ion Ratio Lower Upper
178 100
176 18.9 15.3 22.9
179 15.2 12.1 18.1





#27

Fluoranthene-d10

Concen: 0.196 ng

RT: 19.059 min Scan# 1941

Delta R.T. -0.000 min

Lab File: BN036924.D

Acq: 28 Apr 2025 12:11

Instrument :

BNA_N

ClientSampleId :

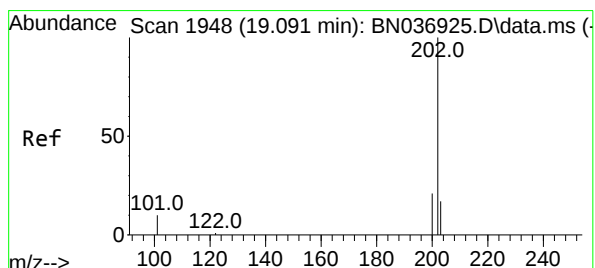
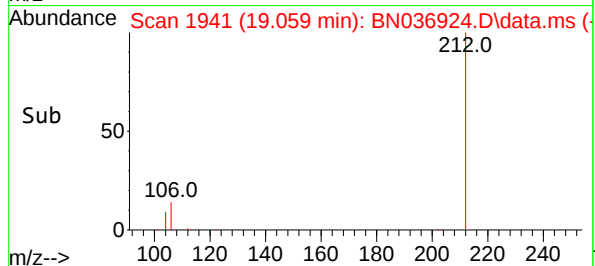
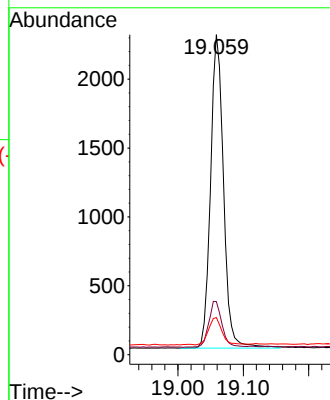
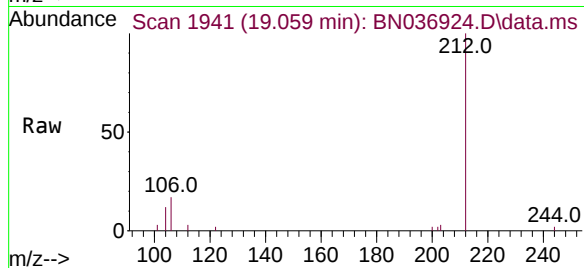
SSTDICC0.2

Tgt Ion:	212	Resp:	3130
Ion	Ratio	Lower	Upper
212	100		
106	15.0	11.6	17.4
104	9.0	7.0	10.4

Manual Integrations

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Reviewed By :Rahul Chavli 04/29/2025
Supervised By :Jagrut Upadhyay 04/29/2025



#28

Fluoranthene

Concen: 0.189 ng

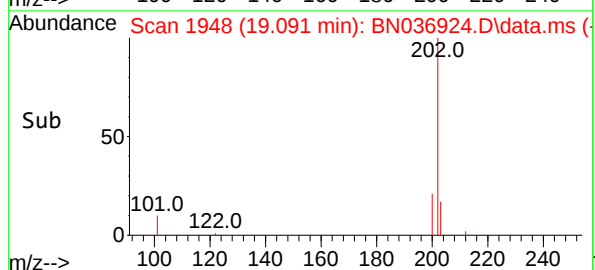
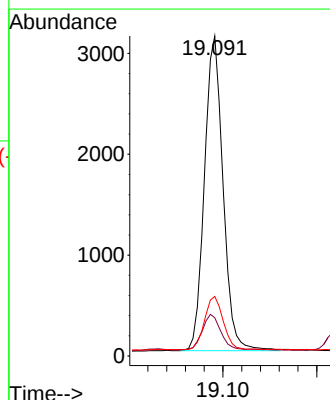
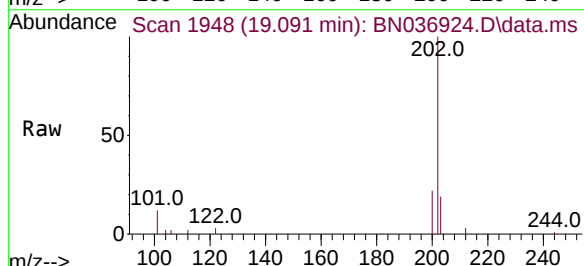
RT: 19.091 min Scan# 1948

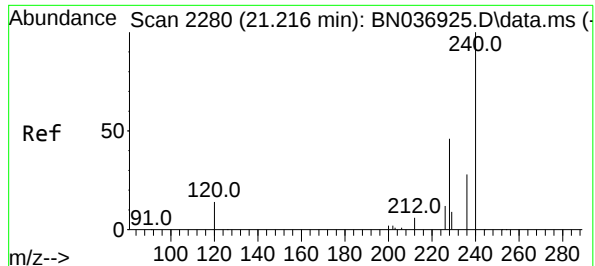
Delta R.T. -0.000 min

Lab File: BN036924.D

Acq: 28 Apr 2025 12:11

Tgt Ion:	202	Resp:	4305
Ion	Ratio	Lower	Upper
202	100		
101	11.2	8.5	12.7
203	17.4	13.7	20.5





#29

Chrysene-d12

Concen: 0.400 ng

RT: 21.216 min Scan# 21

Delta R.T. -0.000 min

Lab File: BN036924.D

Acq: 28 Apr 2025 12:11

Instrument :

BNA_N

ClientSampleId :

SSTDICC0.2

Tgt Ion:240 Resp: 453

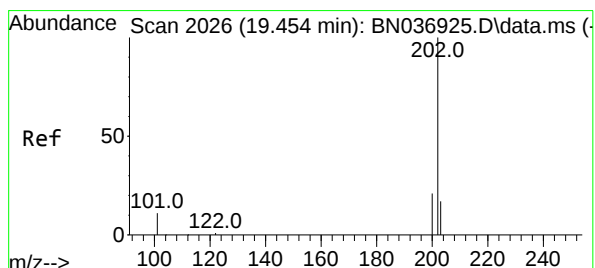
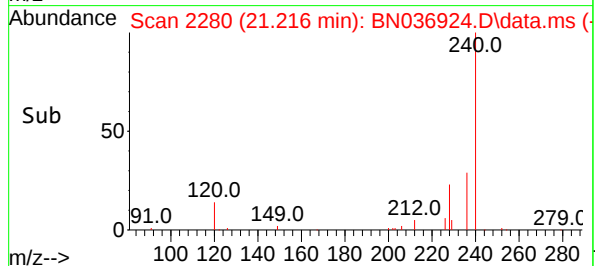
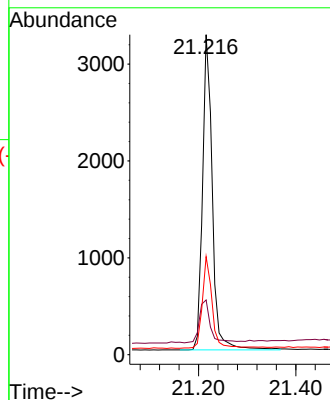
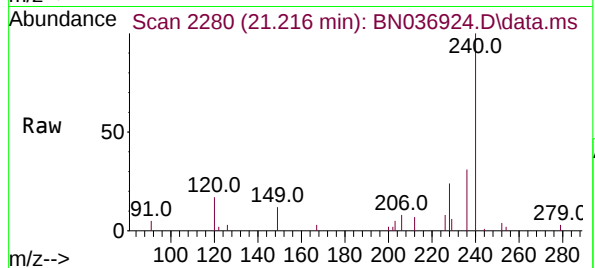
Ion	Ratio	Lower	Upper
240	100		
120	17.1	14.1	21.1
236	30.7	23.8	35.8

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 04/29/2025

Supervised By :Jagrut Upadhyay 04/29/2025



#30

Pyrene

Concen: 0.200 ng

RT: 19.454 min Scan# 2026

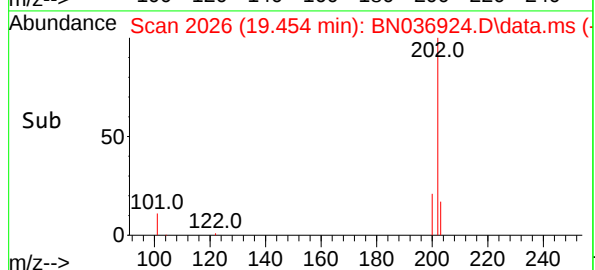
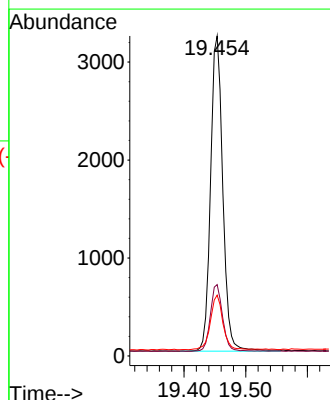
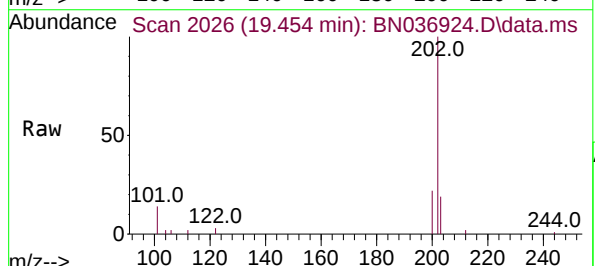
Delta R.T. -0.000 min

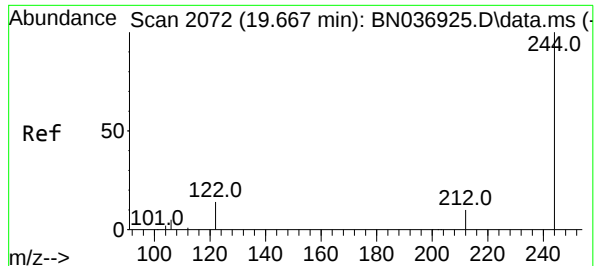
Lab File: BN036924.D

Acq: 28 Apr 2025 12:11

Tgt Ion:202 Resp: 4403

Ion	Ratio	Lower	Upper
202	100		
200	21.2	17.0	25.6
203	17.8	14.0	21.0





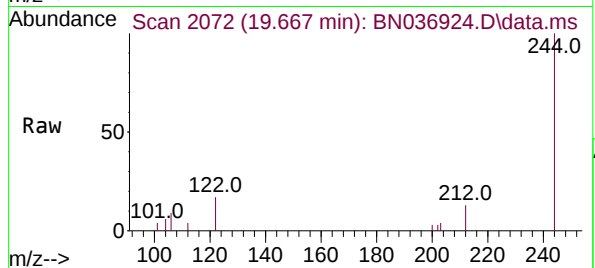
#31
Terphenyl-d14
Concen: 0.198 ng
RT: 19.667 min Scan# 2072
Delta R.T. -0.000 min
Lab File: BN036924.D
Acq: 28 Apr 2025 12:11

Instrument :

BNA_N

ClientSampleId :

SSTDICC0.2

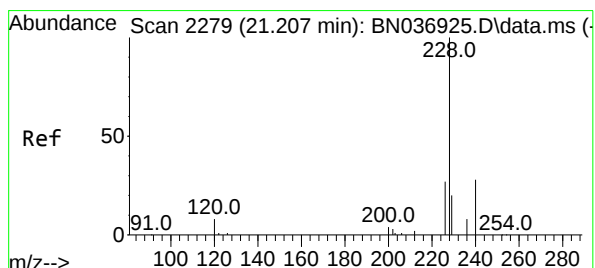
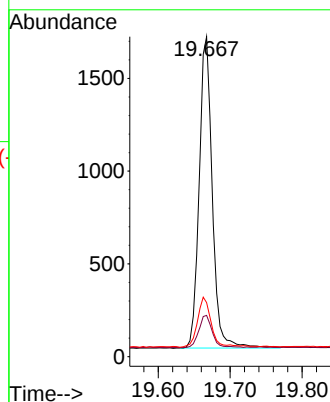
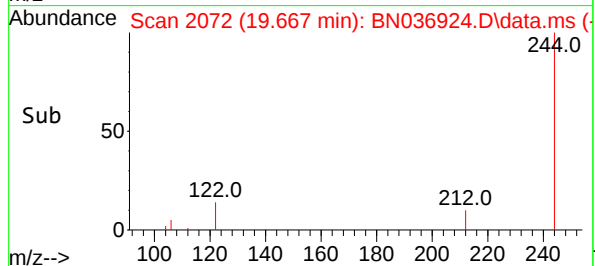


Tgt Ion:244 Resp: 2130
Ion Ratio Lower Upper
244 100
212 12.9 9.6 14.4
122 16.9 12.7 19.1

Manual Integrations

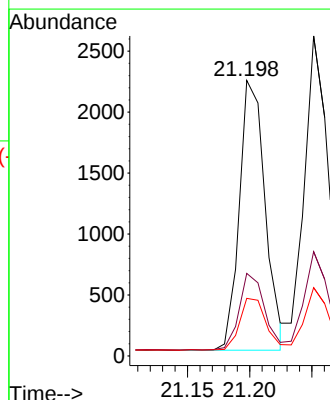
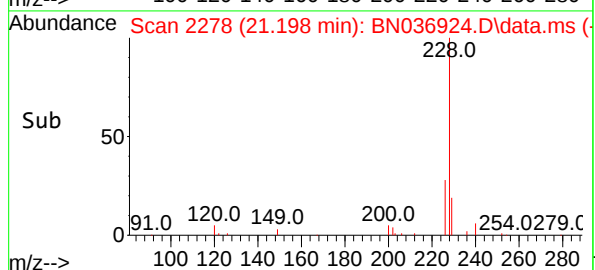
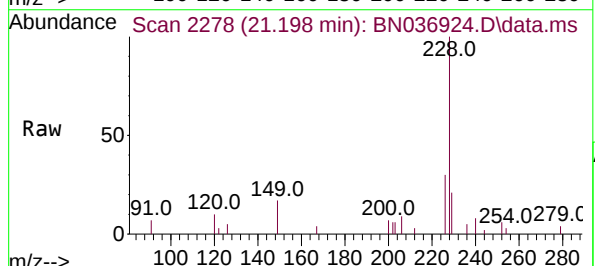
APPROVED

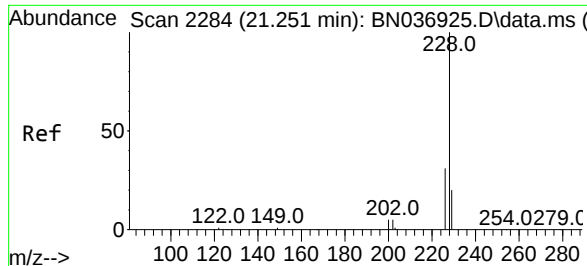
Reviewed By :Rahul Chavli 04/29/2025
Supervised By :Jagrut Upadhyay 04/29/2025



#32
Benzo(a)anthracene
Concen: 0.193 ng
RT: 21.198 min Scan# 2278
Delta R.T. -0.009 min
Lab File: BN036924.D
Acq: 28 Apr 2025 12:11

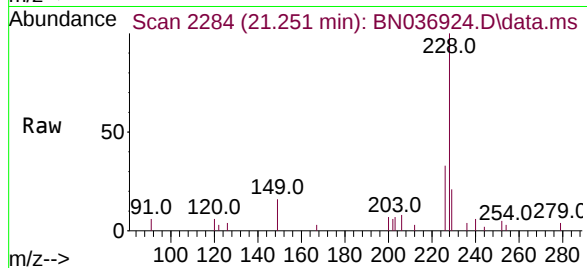
Tgt Ion:228 Resp: 3191
Ion Ratio Lower Upper
228 100
226 30.0 22.2 33.4
229 20.9 16.4 24.6





#33
Chrysene
Concen: 0.197 ng
RT: 21.251 min Scan# 2128
Delta R.T. -0.000 min
Lab File: BN036924.D
Acq: 28 Apr 2025 12:11

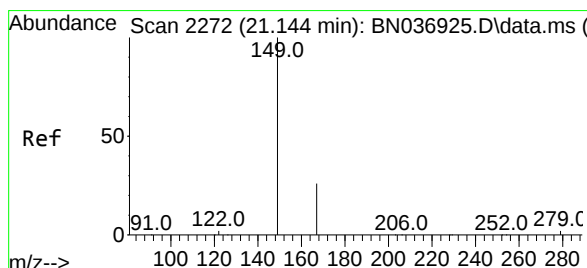
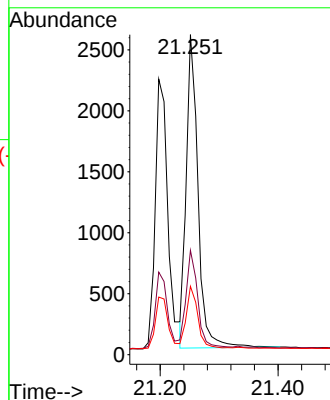
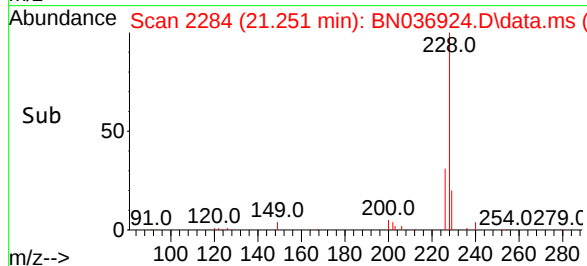
Instrument :
BNA_N
ClientSampleId :
SSTDICC0.2



Tgt Ion: 228 Resp: 3574
Ion Ratio Lower Upper
228 100
226 32.6 25.5 38.3
229 21.3 16.5 24.7

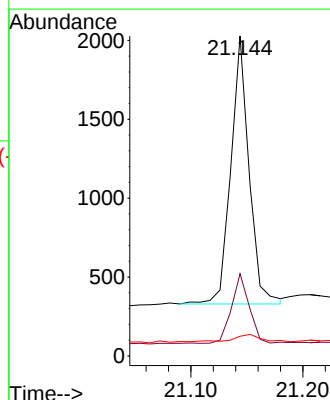
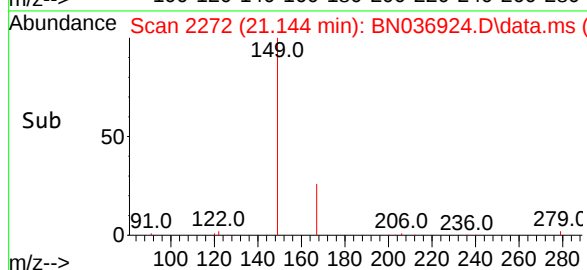
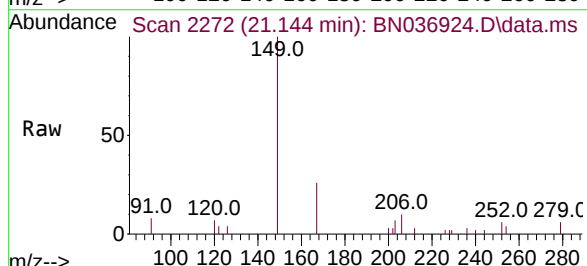
Manual Integrations
APPROVED

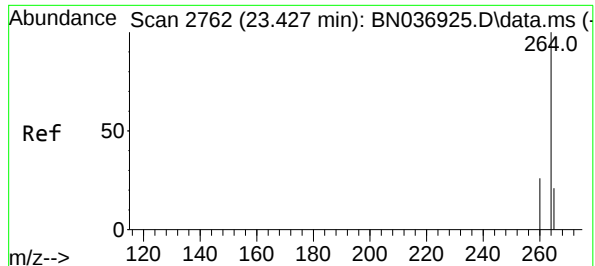
Reviewed By :Rahul Chavli 04/29/2025
Supervised By :Jagrut Upadhyay 04/29/2025



#34
Bis(2-ethylhexyl)phthalate
Concen: 0.203 ng
RT: 21.144 min Scan# 2272
Delta R.T. -0.000 min
Lab File: BN036924.D
Acq: 28 Apr 2025 12:11

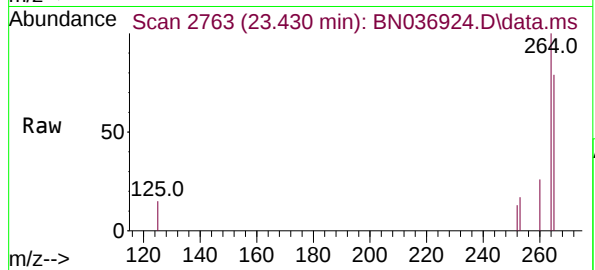
Tgt Ion: 149 Resp: 1921
Ion Ratio Lower Upper
149 100
167 25.4 21.0 31.6
279 3.9 2.7 4.1





#35
Perylene-d12
Concen: 0.400 ng
RT: 23.430 min Scan# 21
Delta R.T. 0.003 min
Lab File: BN036924.D
Acq: 28 Apr 2025 12:11

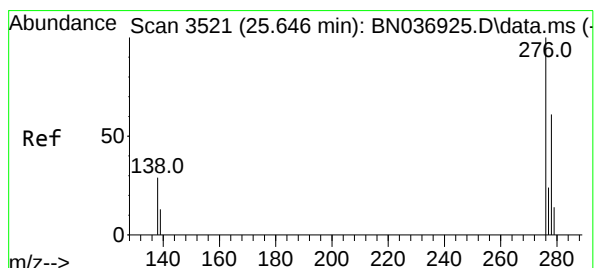
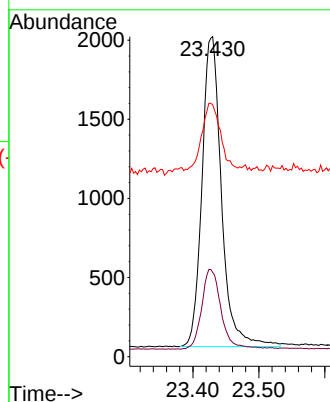
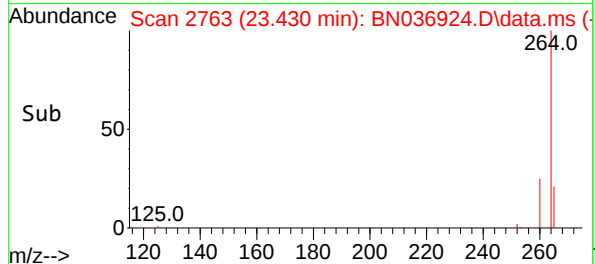
Instrument :
BNA_N
ClientSampleId :
SSTDICC0.2



Tgt Ion:264 Resp: 4020
Ion Ratio Lower Upper
264 100
260 26.4 22.2 33.2
265 78.7 65.8 98.6

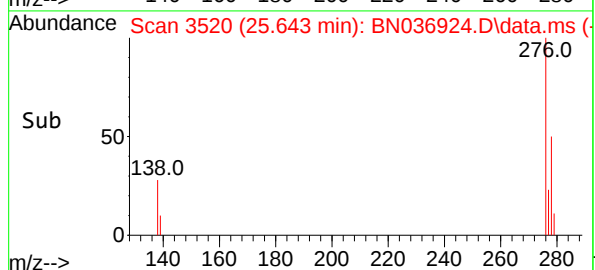
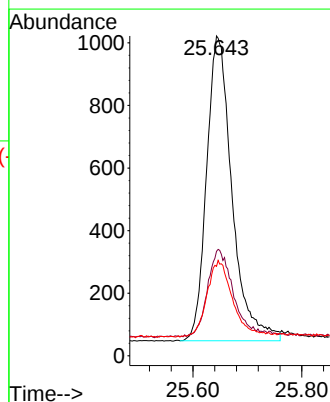
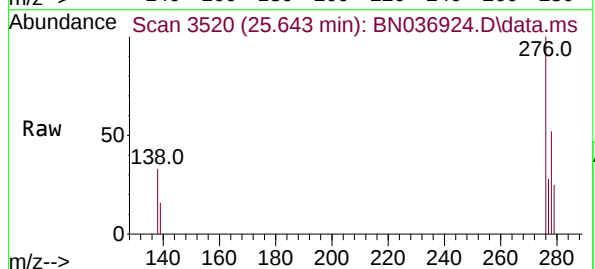
Manual Integrations
APPROVED

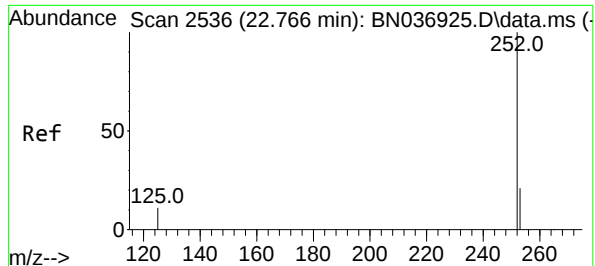
Reviewed By :Rahul Chavli 04/29/2025
Supervised By :Jagrut Upadhyay 04/29/2025



#36
Indeno(1,2,3-cd)pyrene
Concen: 0.192 ng
RT: 25.643 min Scan# 3520
Delta R.T. -0.003 min
Lab File: BN036924.D
Acq: 28 Apr 2025 12:11

Tgt Ion:276 Resp: 3163
Ion Ratio Lower Upper
276 100
138 28.4 23.0 34.6
277 25.2 20.0 30.0





#37

Benzo(b)fluoranthene

Concen: 0.187 ng

RT: 22.766 min Scan# 2536

Delta R.T. -0.000 min

Lab File: BN036924.D

Acq: 28 Apr 2025 12:11

Instrument :

BNA_N

ClientSampleId :

SSTDICC0.2

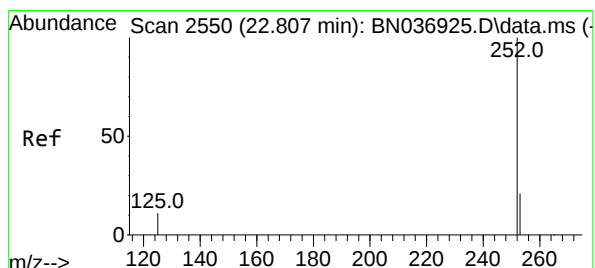
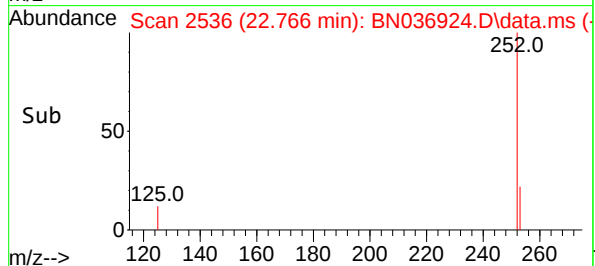
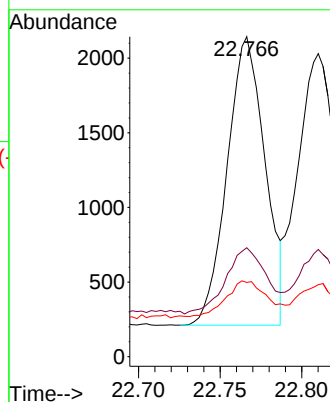
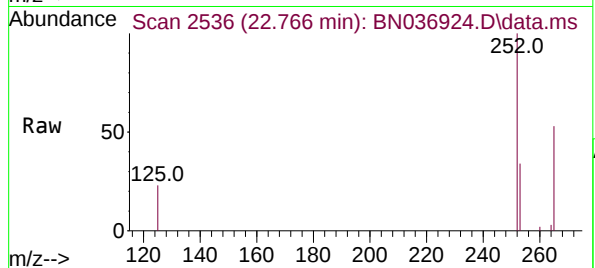
Tgt Ion:252	Resp:	3124
Ion Ratio	Lower	Upper
252	100	
253	34.0	22.1 33.1
125	23.2	14.2 21.2

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 04/29/2025

Supervised By :Jagrut Upadhyay 04/29/2025



#38

Benzo(k)fluoranthene

Concen: 0.187 ng

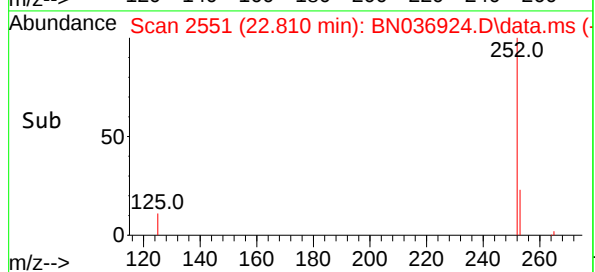
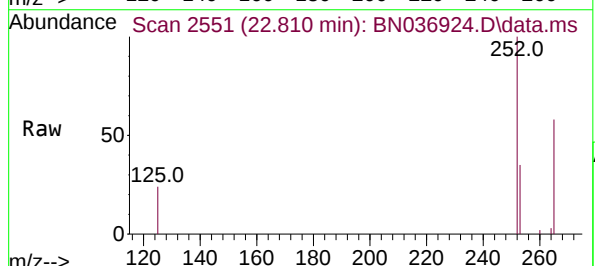
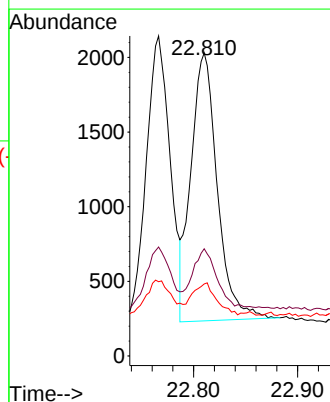
RT: 22.810 min Scan# 2551

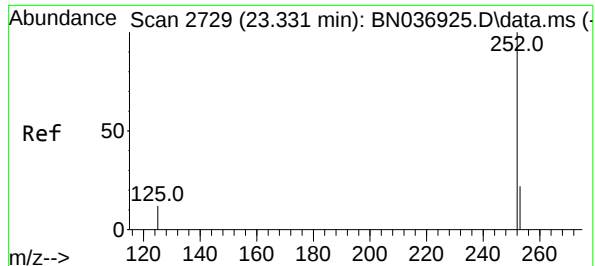
Delta R.T. 0.003 min

Lab File: BN036924.D

Acq: 28 Apr 2025 12:11

Tgt Ion:252	Resp:	3158
Ion Ratio	Lower	Upper
252	100	
253	35.4	22.8 34.2
125	23.8	14.2 21.2





#39

Benzo(a)pyrene

Concen: 0.190 ng

RT: 23.328 min Scan# 21

Delta R.T. -0.003 min

Lab File: BN036924.D

Acq: 28 Apr 2025 12:11

Instrument :

BNA_N

ClientSampleId :

SSTDICC0.2

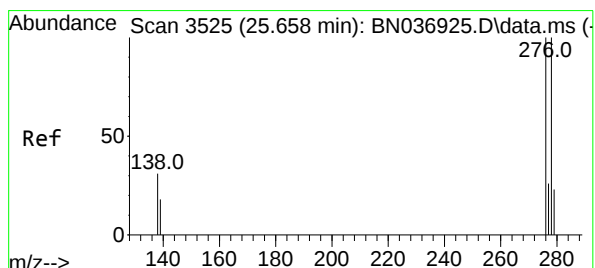
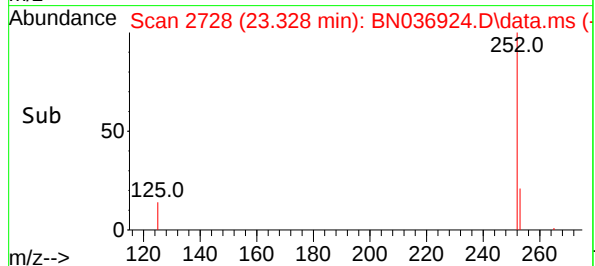
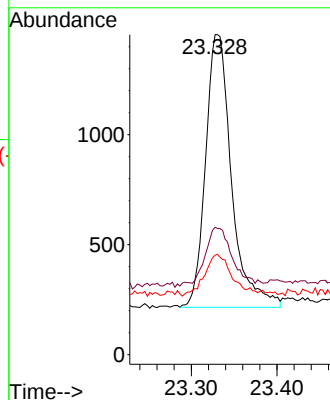
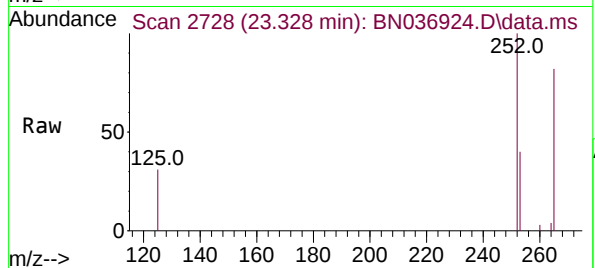
Tgt Ion:252	Resp:	2619
Ion Ratio	Lower	Upper
252	100	
253	39.8	25.9 38.9
125	31.1	17.4 26.0

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 04/29/2025

Supervised By :Jagrut Upadhyay 04/29/2025



#40

Dibenzo(a,h)anthracene

Concen: 0.193 ng

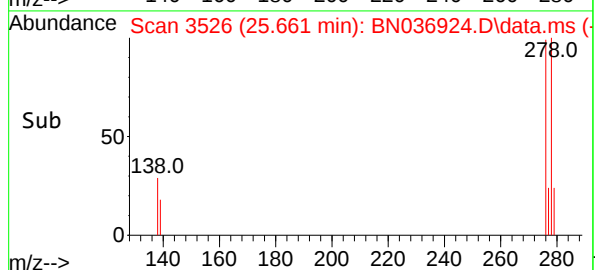
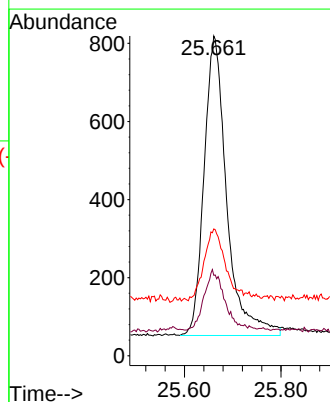
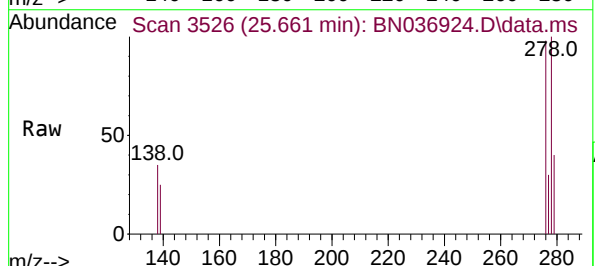
RT: 25.661 min Scan# 3526

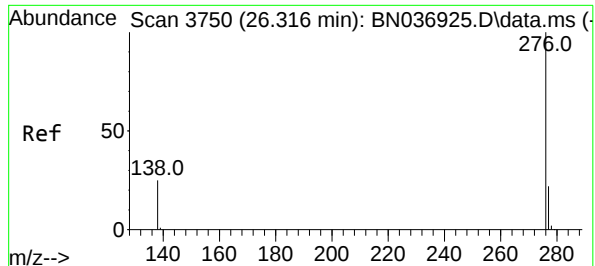
Delta R.T. 0.003 min

Lab File: BN036924.D

Acq: 28 Apr 2025 12:11

Tgt Ion:278	Resp:	2498
Ion Ratio	Lower	Upper
278	100	
139	25.2	17.4 26.2
279	39.7	24.9 37.3





#41

Benzo(g,h,i)perylene

Concen: 0.195 ng

RT: 26.327 min Scan# 31

Delta R.T. 0.012 min

Lab File: BN036924.D

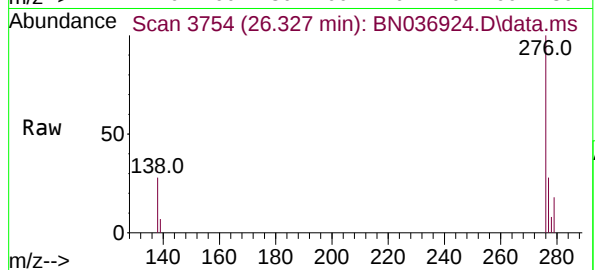
Acq: 28 Apr 2025 12:11

Instrument :

BNA_N

ClientSampleId :

SSTDICC0.2



Tgt Ion:276 Resp: 2828

Ion Ratio Lower Upper

276 100

277 28.3 20.2 30.2

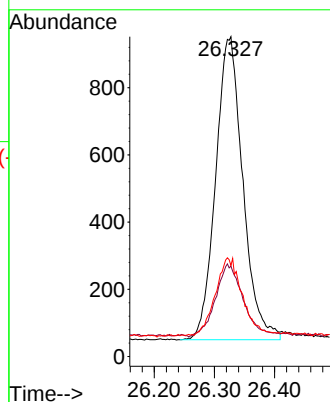
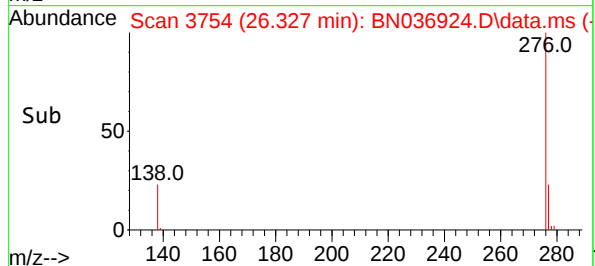
138 28.5 21.9 32.9

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 04/29/2025

Supervised By :Jagrut Upadhyay 04/29/2025



Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN042825\
 Data File : BN036925.D
 Acq On : 28 Apr 2025 12:47
 Operator : RC/JU
 Sample : SSTDICCC0.4
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 SSTDICCC0.4

Quant Time: Apr 28 15:12:49 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN042825.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Apr 28 15:11:09 2025
 Response via : Initial Calibration

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

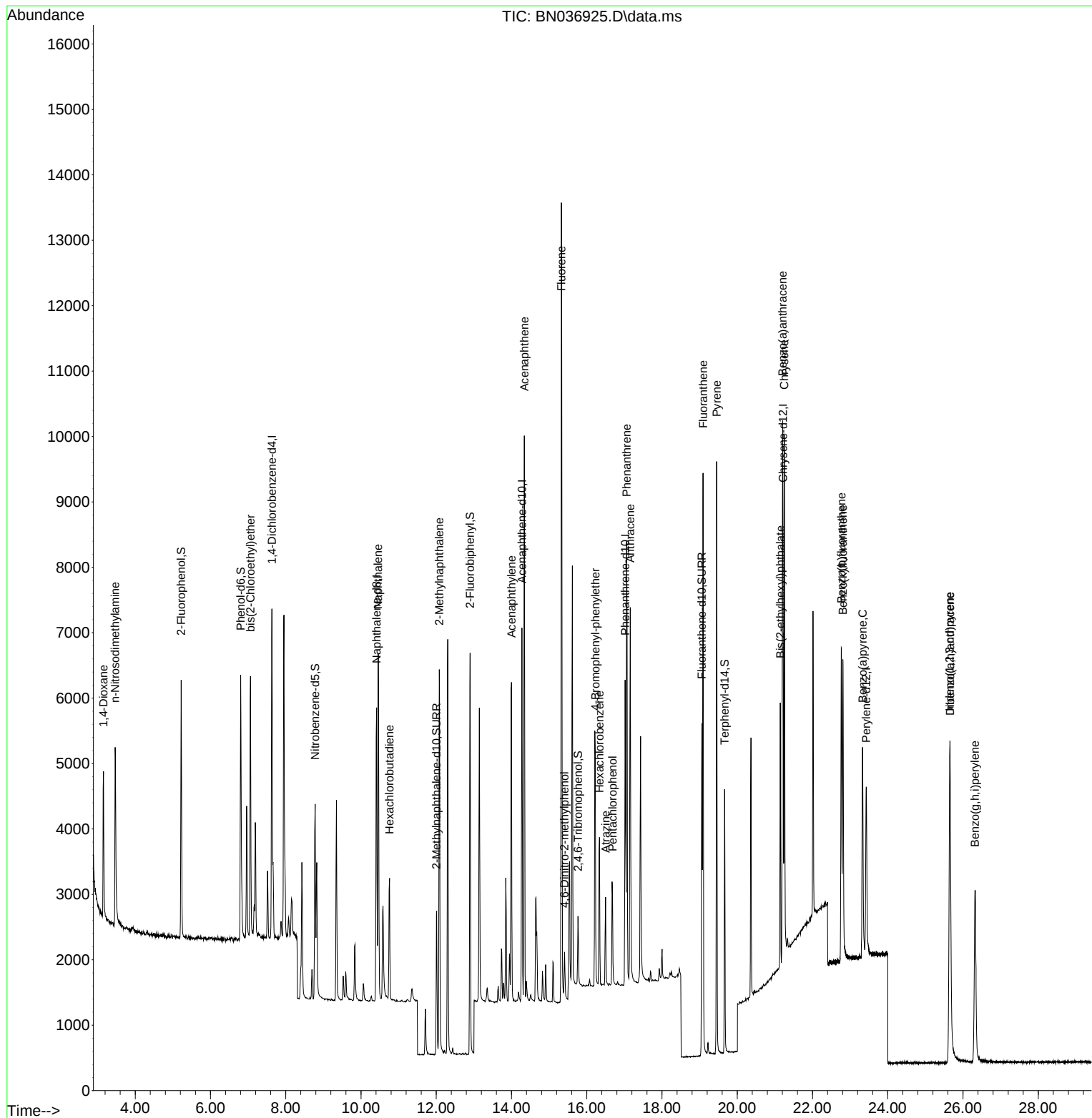
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.633	152	2374	0.400	ng	0.00
7) Naphthalene-d8	10.415	136	5831	0.400	ng	0.00
13) Acenaphthene-d10	14.277	164	3051	0.400	ng	0.00
19) Phenanthrene-d10	17.021	188	5711	0.400	ng	0.00
29) Chrysene-d12	21.216	240	4119	0.400	ng	0.00
35) Perylene-d12	23.427	264	3630	0.400	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.221	112	2654	0.433	ng	0.00
5) Phenol-d6	6.802	99	3175	0.425	ng	0.00
8) Nitrobenzene-d5	8.781	82	2394	0.395	ng	0.00
11) 2-Methylnaphthalene-d10	12.006	152	3153	0.390	ng	0.00
14) 2,4,6-Tribromophenol	15.767	330	540	0.404	ng	0.00
15) 2-Fluorobiphenyl	12.899	172	6270	0.425	ng	0.00
27) Fluoranthene-d10	19.059	212	5661	0.387	ng	0.00
31) Terphenyl-d14	19.667	244	3895	0.397	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	3.155	88	1309	0.437	ng	100
3) n-Nitrosodimethylamine	3.466	42	2398	0.414	ng	100
6) bis(2-Chloroethyl)ether	7.062	93	2778	0.401	ng	100
9) Naphthalene	10.458	128	6735	0.397	ng	100
10) Hexachlorobutadiene	10.757	225	1476	0.399	ng	# 100
12) 2-Methylnaphthalene	12.082	142	4195	0.386	ng	100
16) Acenaphthylene	13.999	152	5817	0.394	ng	100
17) Acenaphthene	14.342	154	3889	0.398	ng	100
18) Fluorene	15.325	166	4955	0.390	ng	100
20) 4,6-Dinitro-2-methylph...	15.411	198	516	0.361	ng	100
21) 4-Bromophenyl-phenylether	16.227	248	1494	0.393	ng	100
22) Hexachlorobenzene	16.338	284	1714	0.408	ng	100
23) Atrazine	16.500	200	1139	0.380	ng	100
24) Pentachlorophenol	16.686	266	824	0.378	ng	100
25) Phenanthrene	17.058	178	7417	0.395	ng	100
26) Anthracene	17.158	178	6553	0.390	ng	100
28) Fluoranthene	19.091	202	7988	0.384	ng	100
30) Pyrene	19.454	202	8067	0.403	ng	100
32) Benzo(a)anthracene	21.207	228	5885	0.392	ng	100
33) Chrysene	21.251	228	6742	0.410	ng	100
34) Bis(2-ethylhexyl)phtha...	21.144	149	3434	0.400	ng	100
36) Indeno(1,2,3-cd)pyrene	25.646	276	6214	0.418	ng	100
37) Benzo(b)fluoranthene	22.766	252	5932	0.394	ng	100
38) Benzo(k)fluoranthene	22.807	252	5983	0.393	ng	100
39) Benzo(a)pyrene	23.331	252	4940	0.398	ng	100
40) Dibenzo(a,h)anthracene	25.658	278	4897	0.419	ng	100
41) Benzo(g,h,i)perylene	26.316	276	5500	0.420	ng	100

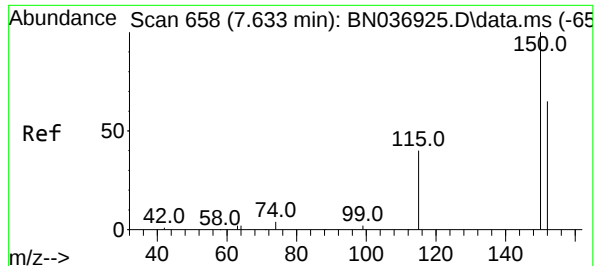
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN042825\
Data File : BN036925.D
Acq On : 28 Apr 2025 12:47
Operator : RC/JU
Sample : SSTDICCC0.4
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
SSTDICCC0.4

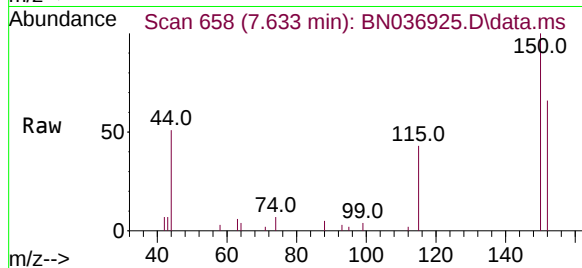
Quant Time: Apr 28 15:12:49 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN042825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Apr 28 15:11:09 2025
Response via : Initial Calibration



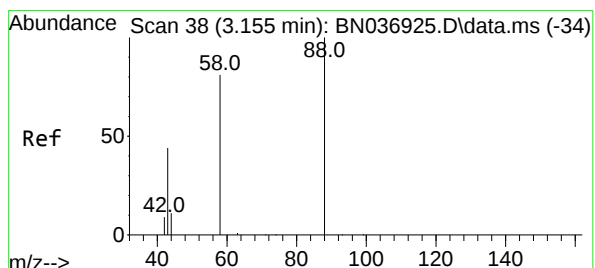
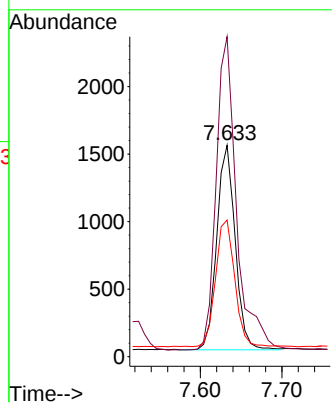
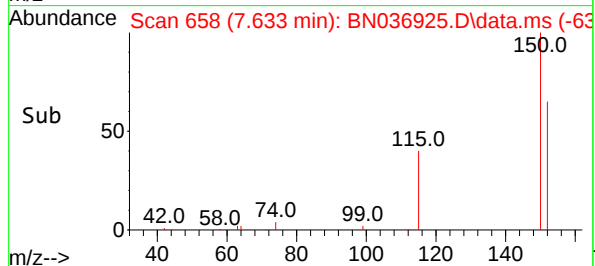


#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.633 min Scan# 61
Delta R.T. -0.000 min
Lab File: BN036925.D
Acq: 28 Apr 2025 12:47

Instrument :
BNA_N
ClientSampleId :
SSTDICCC0.4

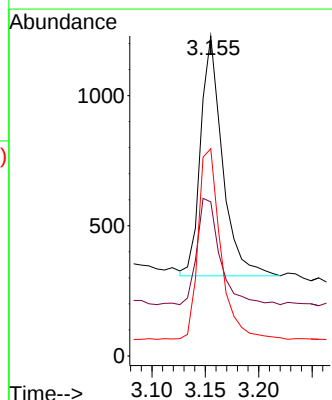
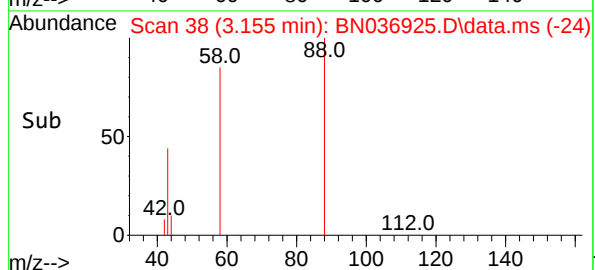
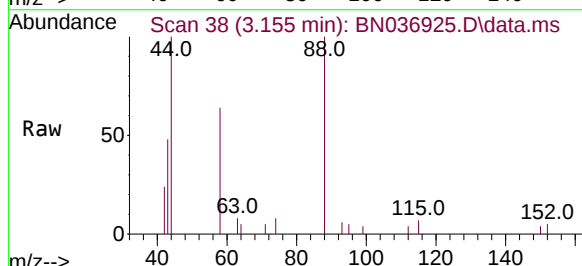


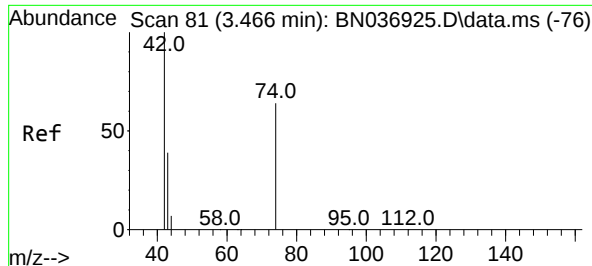
Tgt Ion:152 Resp: 2374
Ion Ratio Lower Upper
152 100
150 151.4 121.1 181.7
115 64.7 51.8 77.6



#2
1,4-Dioxane
Concen: 0.437 ng
RT: 3.155 min Scan# 38
Delta R.T. 0.000 min
Lab File: BN036925.D
Acq: 28 Apr 2025 12:47

Tgt Ion: 88 Resp: 1309
Ion Ratio Lower Upper
88 100
43 47.4 37.9 56.9
58 82.2 65.8 98.6

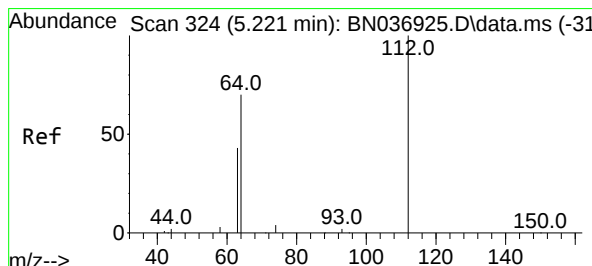
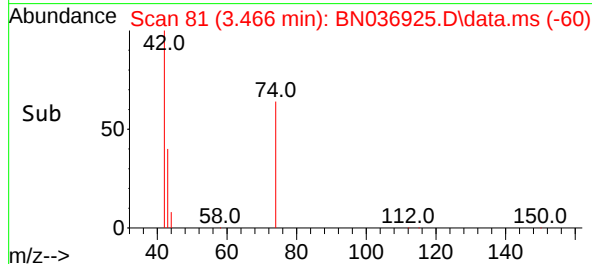
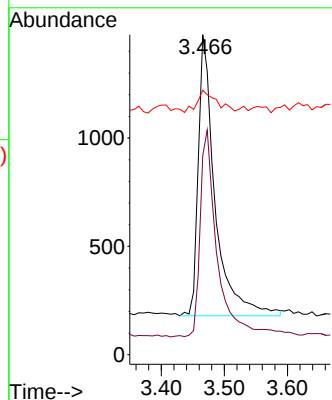
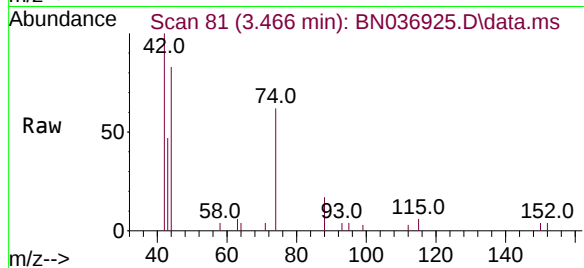




#3
n-Nitrosodimethylamine
Concen: 0.414 ng
RT: 3.466 min Scan# 81
Delta R.T. 0.000 min
Lab File: BN036925.D
Acq: 28 Apr 2025 12:47

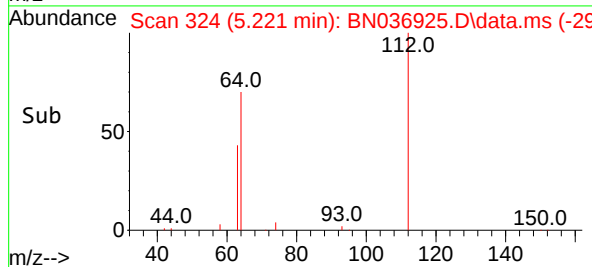
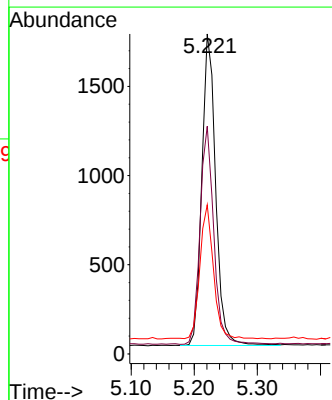
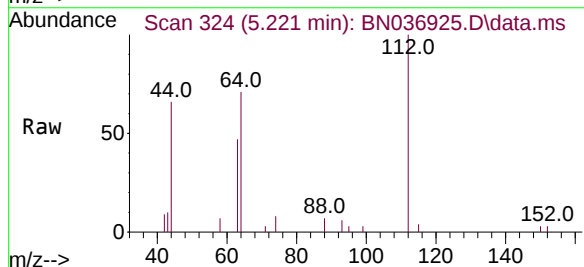
Instrument :
BNA_N
ClientSampleId :
SSTDICCC0.4

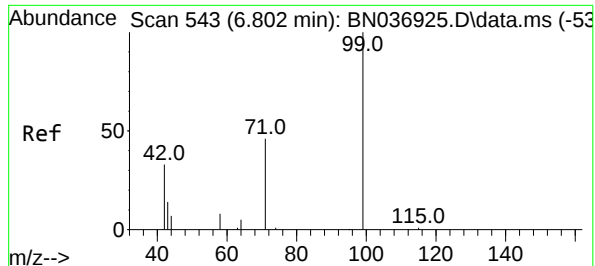
Tgt Ion: 42 Resp: 2398
Ion Ratio Lower Upper
42 100
74 74.9 59.9 89.9
44 9.4 7.5 11.3



#4
2-Fluorophenol
Concen: 0.433 ng
RT: 5.221 min Scan# 324
Delta R.T. 0.000 min
Lab File: BN036925.D
Acq: 28 Apr 2025 12:47

Tgt Ion: 112 Resp: 2654
Ion Ratio Lower Upper
112 100
64 69.6 55.7 83.5
63 42.4 33.9 50.9

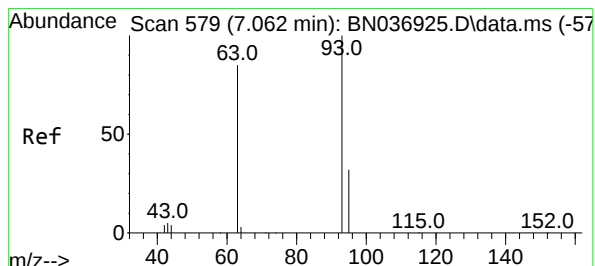
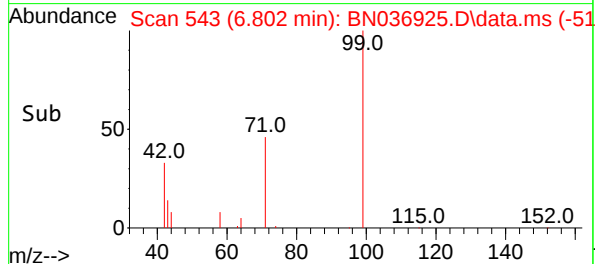
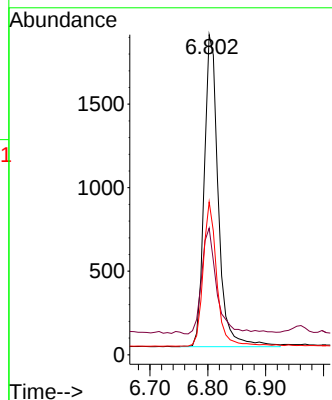
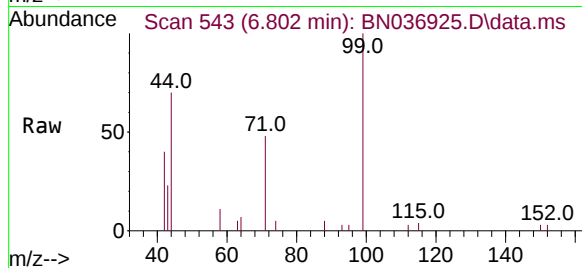




#5
Phenol-d6
Concen: 0.425 ng
RT: 6.802 min Scan# 543
Delta R.T. 0.000 min
Lab File: BN036925.D
Acq: 28 Apr 2025 12:47

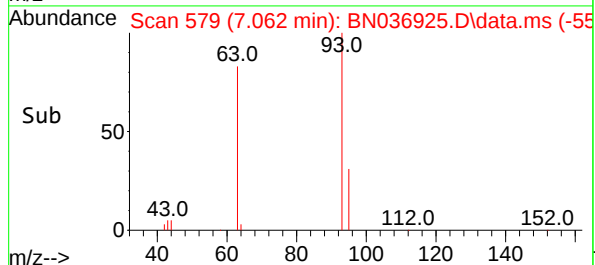
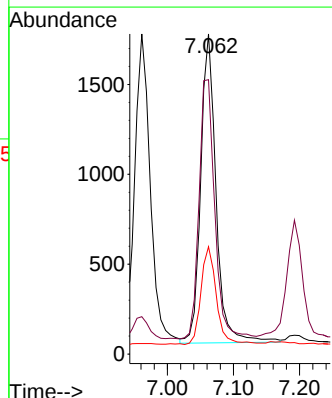
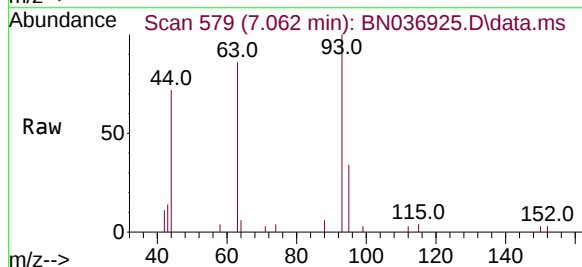
Instrument :
BNA_N
ClientSampleId :
SSTDICCC0.4

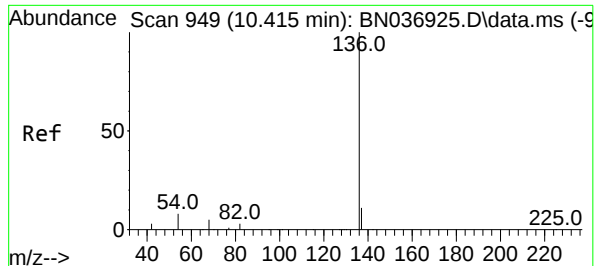
Tgt Ion	Ratio	Lower	Upper
99	100		
42	37.0	29.6	44.4
71	45.0	36.0	54.0



#6
bis(2-Chloroethyl)ether
Concen: 0.401 ng
RT: 7.062 min Scan# 579
Delta R.T. 0.000 min
Lab File: BN036925.D
Acq: 28 Apr 2025 12:47

Tgt Ion	Ratio	Lower	Upper
93	100		
63	86.3	69.0	103.6
95	31.7	25.4	38.0

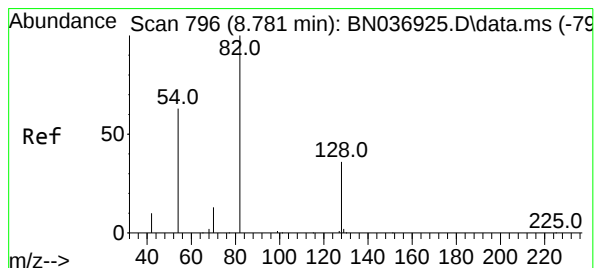
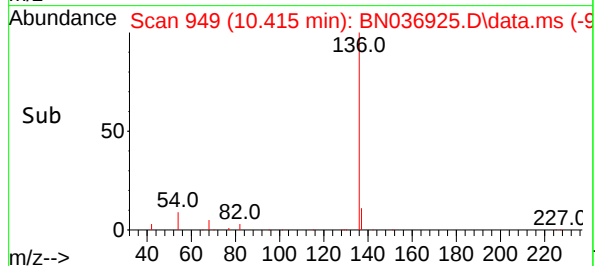
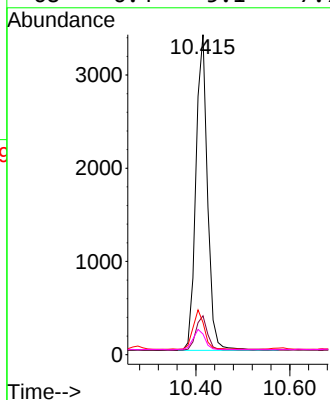
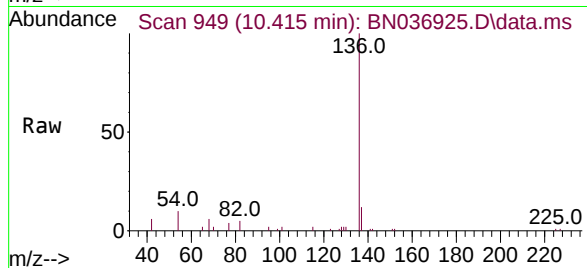




#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.415 min Scan# 949
Delta R.T. 0.000 min
Lab File: BN036925.D
Acq: 28 Apr 2025 12:47

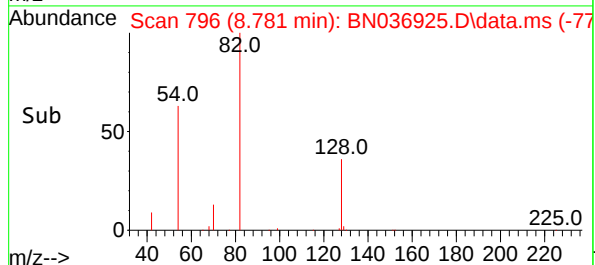
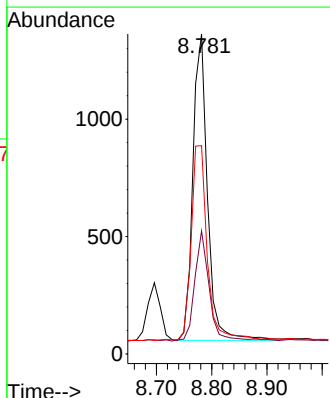
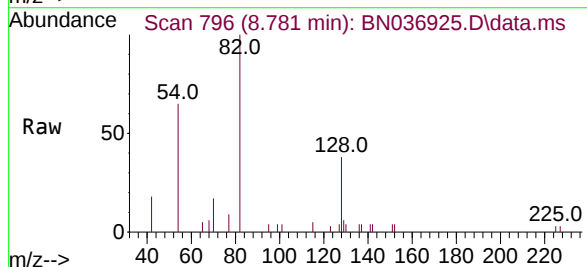
Instrument :
BNA_N
ClientSampleId :
SSTDICCC0.4

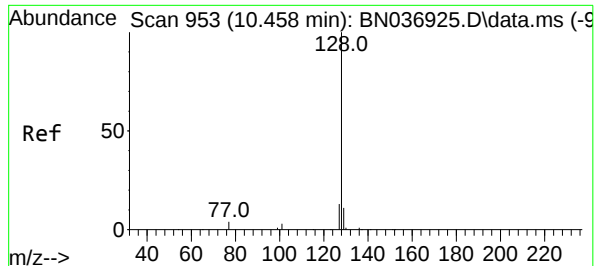
Tgt Ion:	136	Resp:	5831
Ion	Ratio	Lower	Upper
136	100		
137	12.1	9.7	14.5
54	10.0	8.0	12.0
68	6.4	5.1	7.7



#8
Nitrobenzene-d5
Concen: 0.395 ng
RT: 8.781 min Scan# 796
Delta R.T. 0.000 min
Lab File: BN036925.D
Acq: 28 Apr 2025 12:47

Tgt Ion:	82	Resp:	2394
Ion	Ratio	Lower	Upper
82	100		
128	38.4	30.7	46.1
54	65.1	52.1	78.1

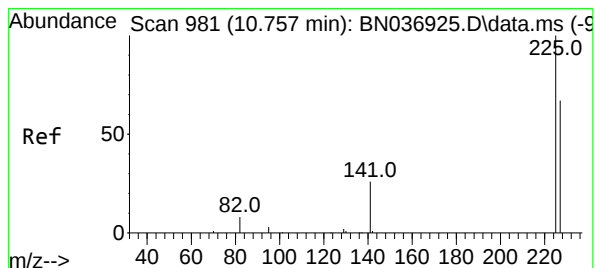
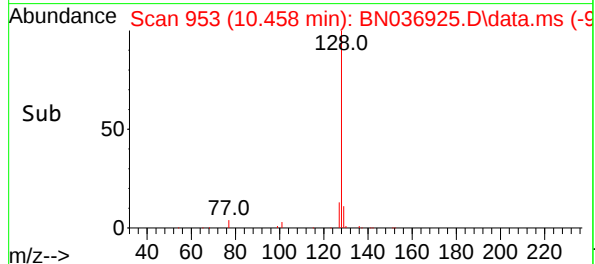
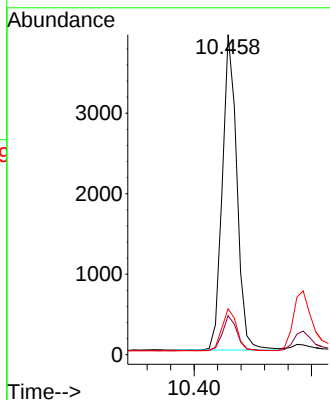
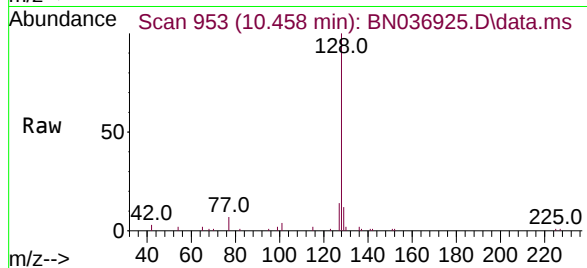




#9
Naphthalene
Concen: 0.397 ng
RT: 10.458 min Scan# 953
Delta R.T. 0.000 min
Lab File: BN036925.D
Acq: 28 Apr 2025 12:47

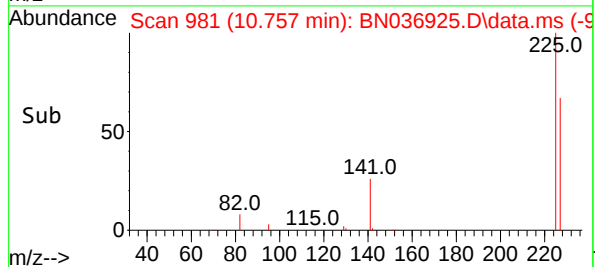
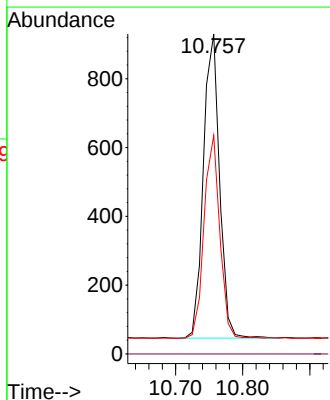
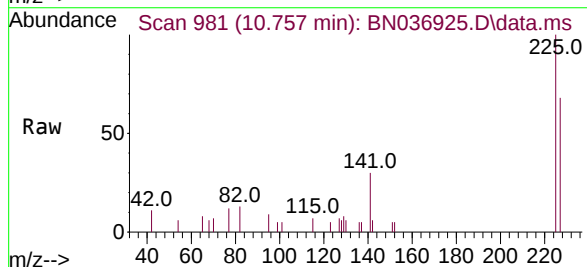
Instrument :
BNA_N
ClientSampleId :
SSTDICCC0.4

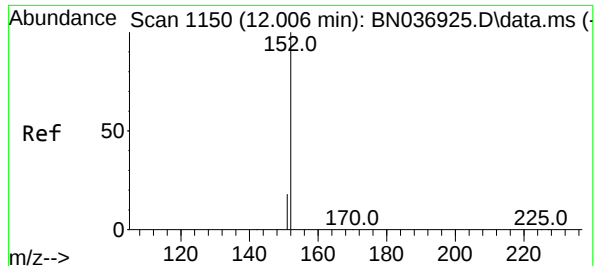
Tgt Ion:128 Resp: 6735
Ion Ratio Lower Upper
128 100
129 12.2 9.8 14.6
127 14.3 11.4 17.2



#10
Hexachlorobutadiene
Concen: 0.399 ng
RT: 10.757 min Scan# 981
Delta R.T. 0.000 min
Lab File: BN036925.D
Acq: 28 Apr 2025 12:47

Tgt Ion:225 Resp: 1476
Ion Ratio Lower Upper
225 100
223 0.0 0.0 0.0
227 65.3 52.2 78.4

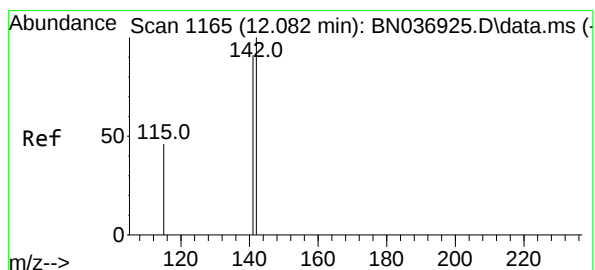
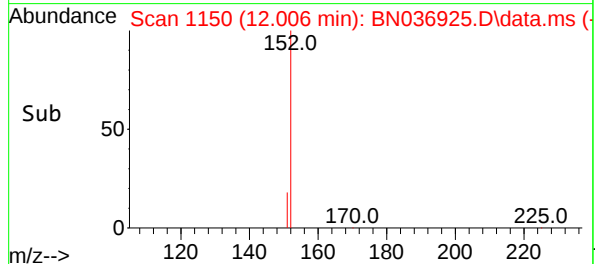
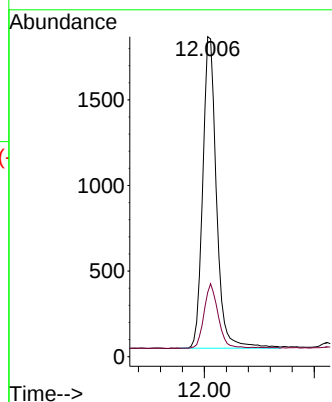
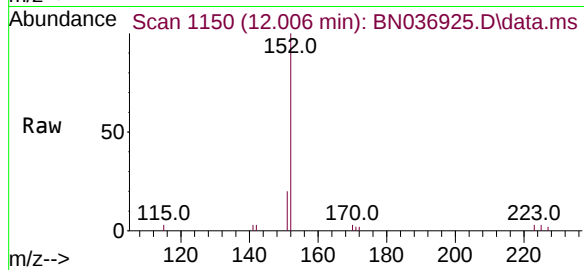




#11
2-Methylnaphthalene-d10
Concen: 0.390 ng
RT: 12.006 min Scan# 1150
Delta R.T. 0.000 min
Lab File: BN036925.D
Acq: 28 Apr 2025 12:47

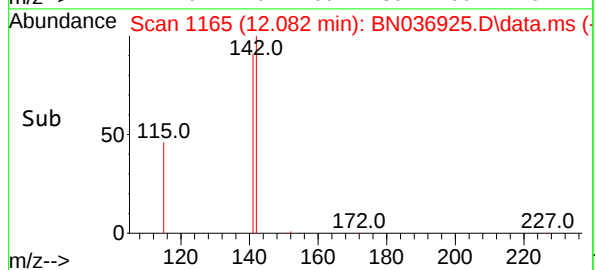
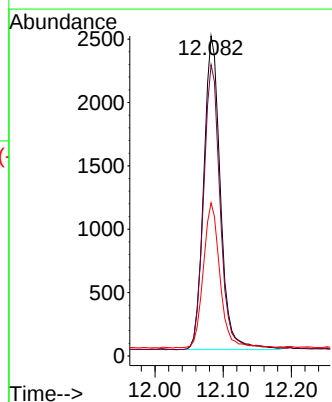
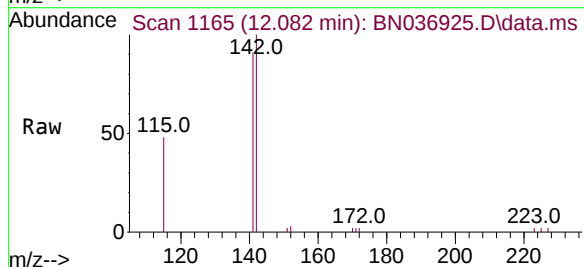
Instrument :
BNA_N
ClientSampleId :
SSTDICCC0.4

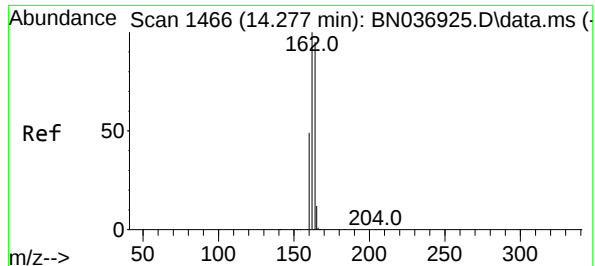
Tgt Ion:152 Resp: 3153
Ion Ratio Lower Upper
152 100
151 21.1 16.9 25.3



#12
2-Methylnaphthalene
Concen: 0.386 ng
RT: 12.082 min Scan# 1165
Delta R.T. 0.000 min
Lab File: BN036925.D
Acq: 28 Apr 2025 12:47

Tgt Ion:142 Resp: 4195
Ion Ratio Lower Upper
142 100
141 91.0 72.8 109.2
115 47.8 38.2 57.4

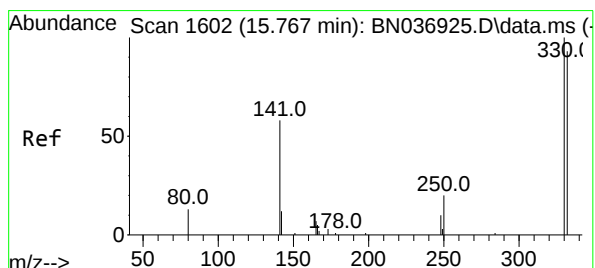
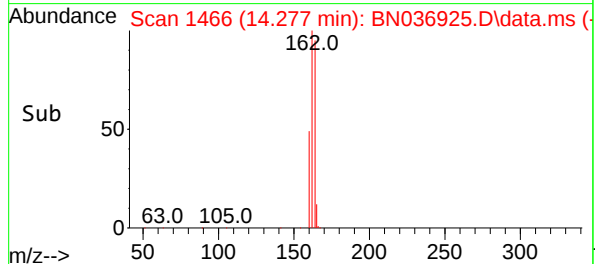
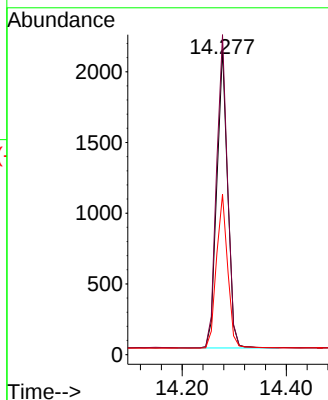
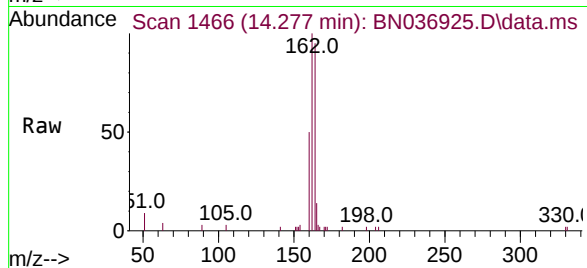




#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.277 min Scan# 1466
Delta R.T. 0.000 min
Lab File: BN036925.D
Acq: 28 Apr 2025 12:47

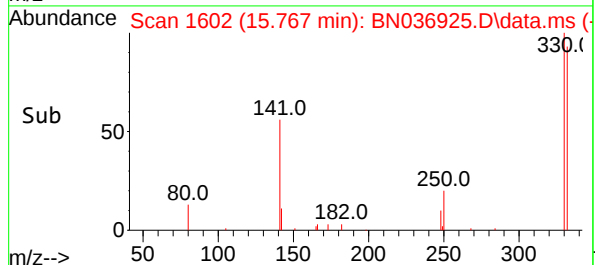
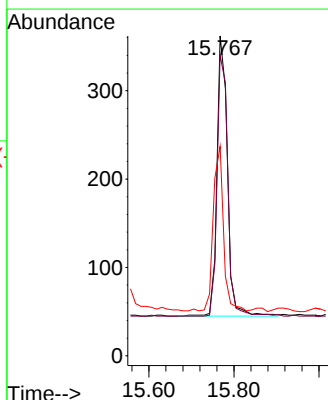
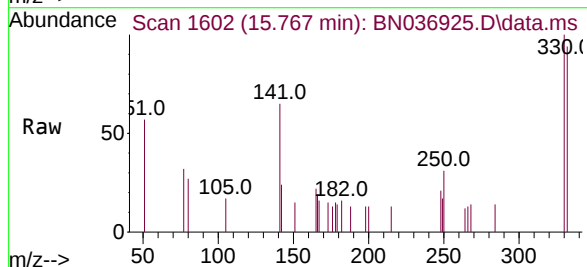
Instrument :
BNA_N
ClientSampleId :
SSTDICCC0.4

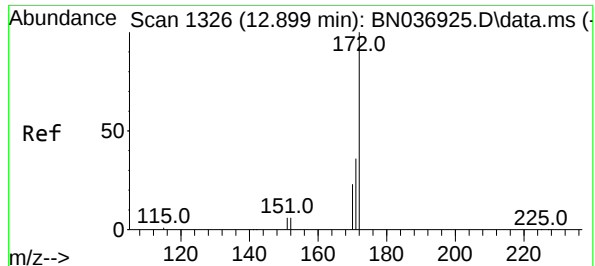
Tgt Ion:164 Resp: 3051
Ion Ratio Lower Upper
164 100
162 104.8 83.8 125.8
160 52.5 42.0 63.0



#14
2,4,6-Tribromophenol
Concen: 0.404 ng
RT: 15.767 min Scan# 1602
Delta R.T. 0.000 min
Lab File: BN036925.D
Acq: 28 Apr 2025 12:47

Tgt Ion:330 Resp: 540
Ion Ratio Lower Upper
330 100
332 95.7 76.3 114.5
141 57.8 45.4 68.2

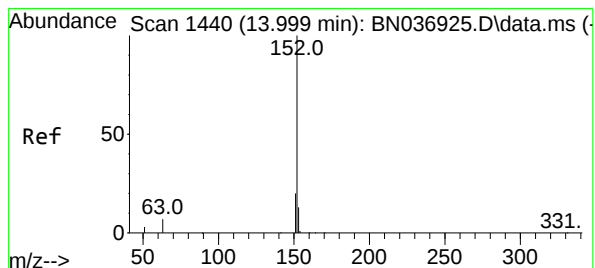
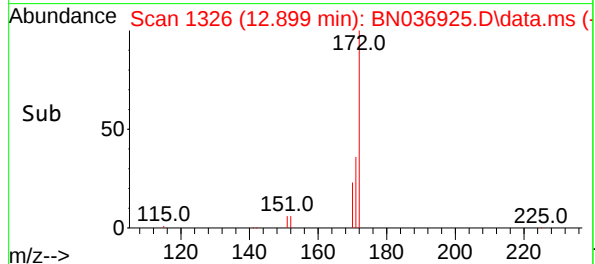
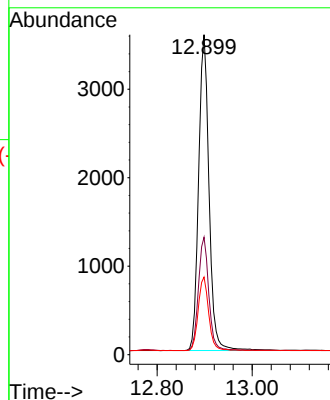
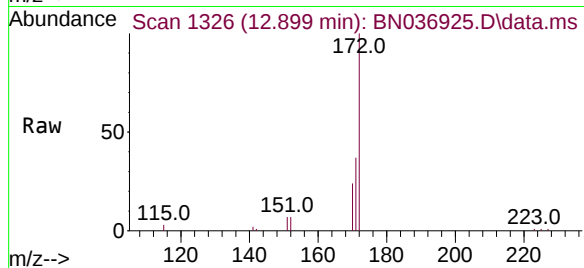




#15
2-Fluorobiphenyl
Concen: 0.425 ng
RT: 12.899 min Scan# 1326
Delta R.T. 0.000 min
Lab File: BN036925.D
Acq: 28 Apr 2025 12:47

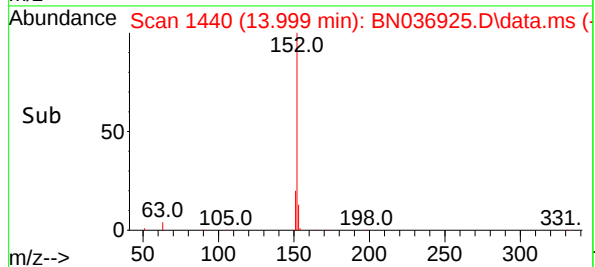
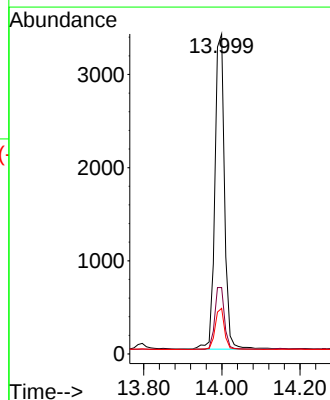
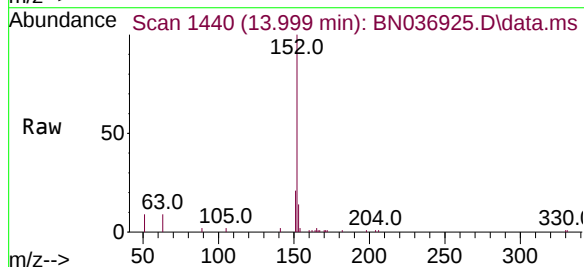
Instrument :
BNA_N
ClientSampleId :
SSTDICCC0.4

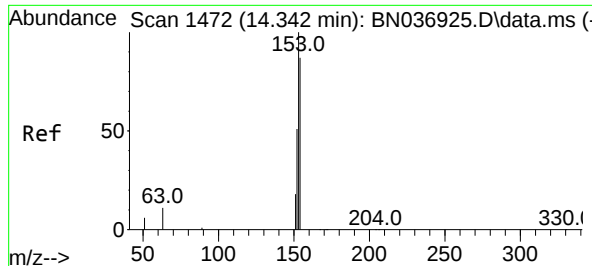
Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.7	29.4	44.0
170	24.2	19.4	29.0



#16
Acenaphthylene
Concen: 0.394 ng
RT: 13.999 min Scan# 1440
Delta R.T. 0.000 min
Lab File: BN036925.D
Acq: 28 Apr 2025 12:47

Tgt Ion	Ratio	Lower	Upper
152	100		
151	20.0	16.0	24.0
153	12.7	10.2	15.2

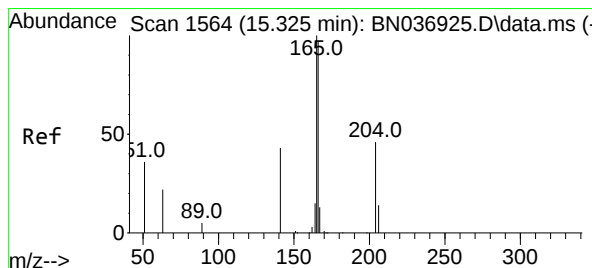
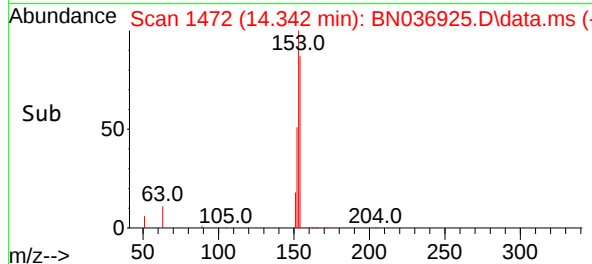
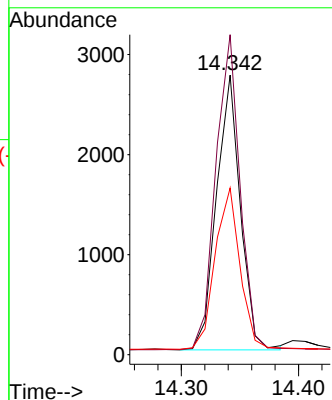
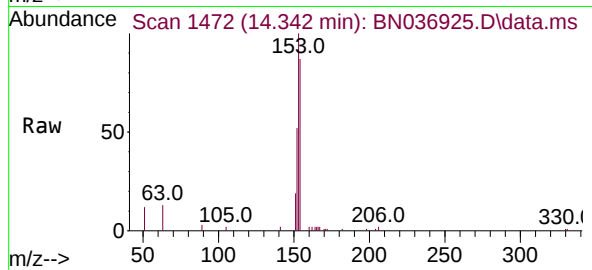




#17
Acenaphthene
Concen: 0.398 ng
RT: 14.342 min Scan# 1472
Delta R.T. 0.000 min
Lab File: BN036925.D
Acq: 28 Apr 2025 12:47

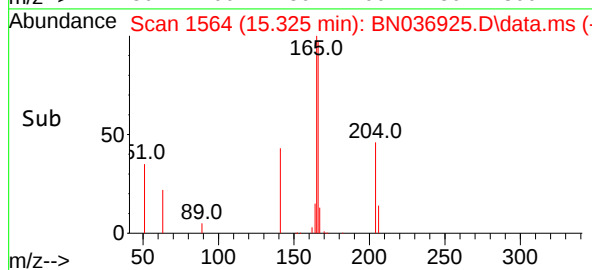
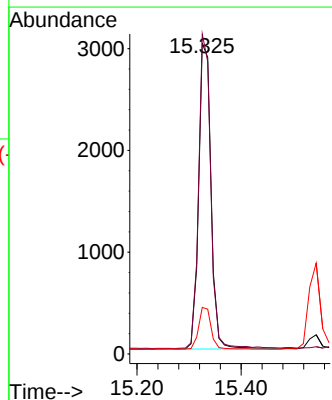
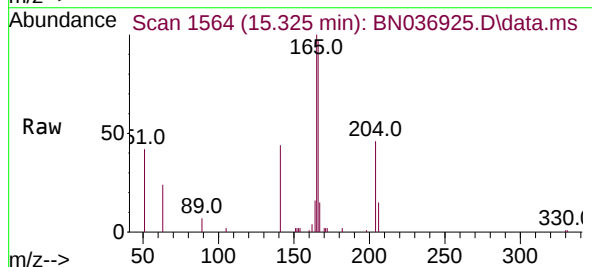
Instrument :
BNA_N
ClientSampleId :
SSTDICCC0.4

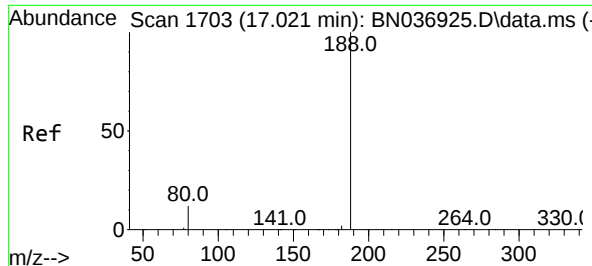
Tgt Ion:154 Resp: 3889
Ion Ratio Lower Upper
154 100
153 116.8 93.4 140.2
152 61.9 49.5 74.3



#18
Fluorene
Concen: 0.390 ng
RT: 15.325 min Scan# 1564
Delta R.T. 0.000 min
Lab File: BN036925.D
Acq: 28 Apr 2025 12:47

Tgt Ion:166 Resp: 4955
Ion Ratio Lower Upper
166 100
165 101.0 80.8 121.2
167 13.5 10.8 16.2





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 17.021 min Scan# 1

Delta R.T. 0.000 min

Lab File: BN036925.D

Acq: 28 Apr 2025 12:47

Instrument :

BNA_N

ClientSampleId :

SSTDICCC0.4

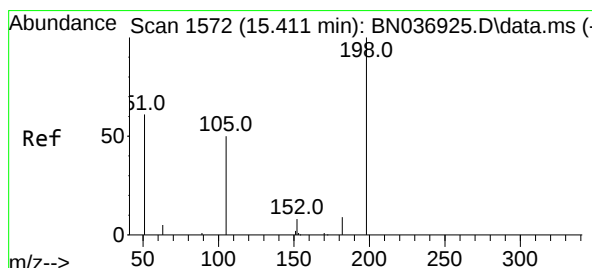
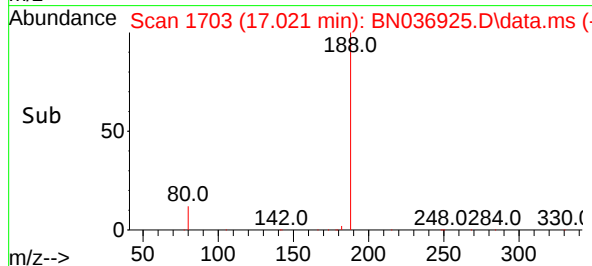
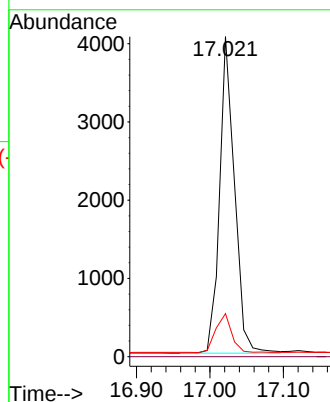
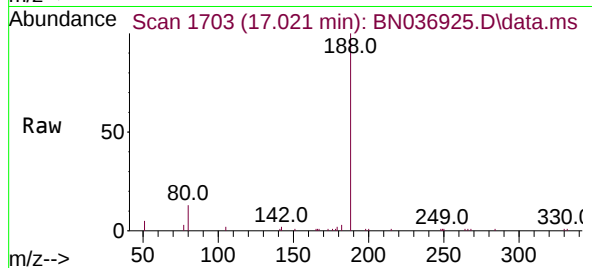
Tgt Ion:188 Resp: 5711

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

80 13.4 10.7 16.1



#20

4,6-Dinitro-2-methylphenol

Concen: 0.361 ng

RT: 15.411 min Scan# 1572

Delta R.T. -0.000 min

Lab File: BN036925.D

Acq: 28 Apr 2025 12:47

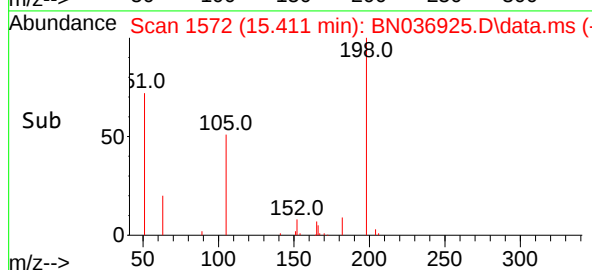
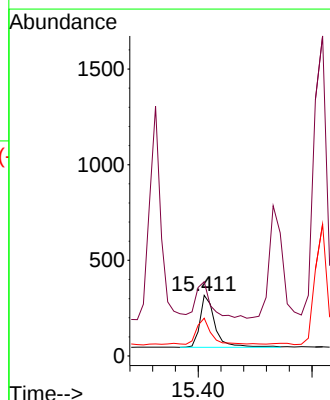
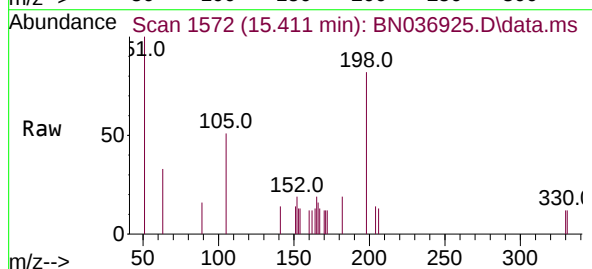
Tgt Ion:198 Resp: 516

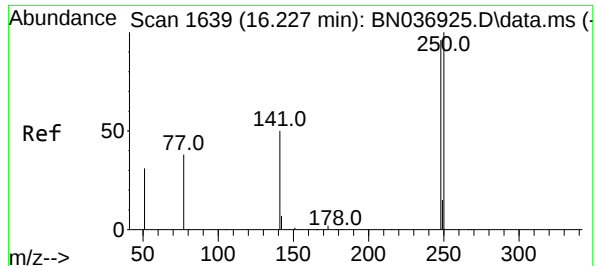
Ion Ratio Lower Upper

198 100

51 122.4 97.9 146.9

105 62.5 50.0 75.0

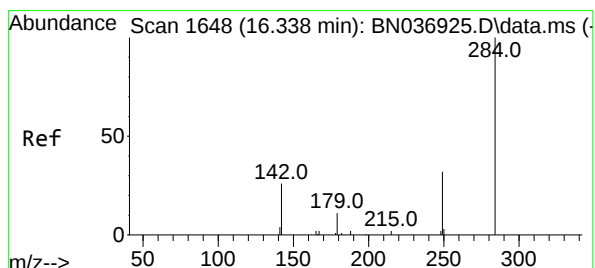
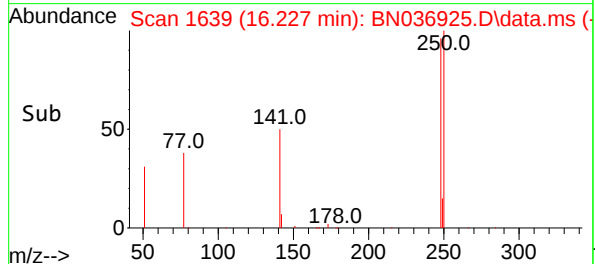
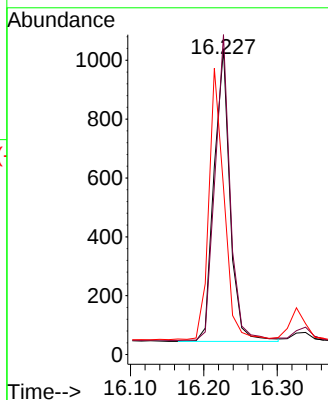
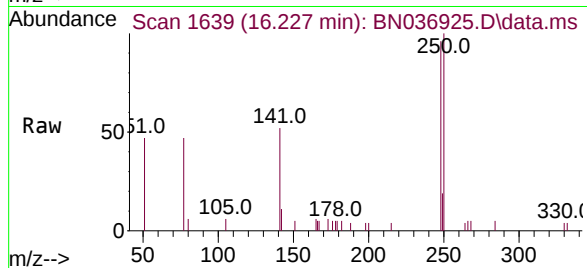




#21
4-Bromophenyl-phenylether
Concen: 0.393 ng
RT: 16.227 min Scan# 1639
Delta R.T. 0.000 min
Lab File: BN036925.D
Acq: 28 Apr 2025 12:47

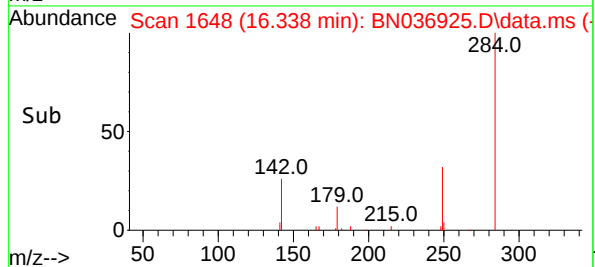
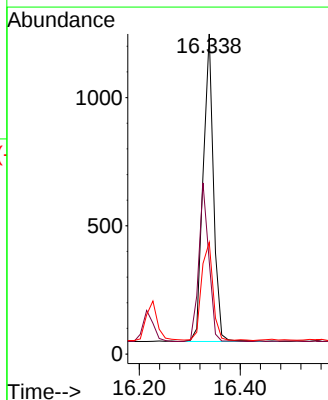
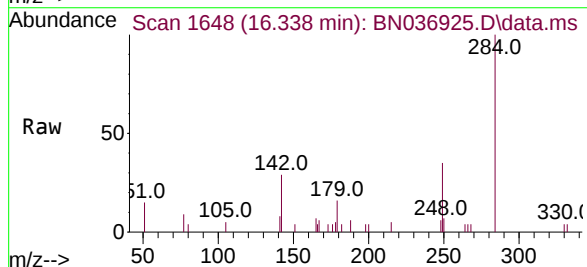
Instrument :
BNA_N
ClientSampleId :
SSTDICCC0.4

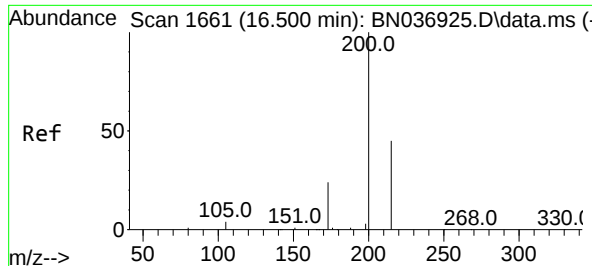
Tgt Ion	Ratio	Lower	Upper
248	100		
250	104.6	83.7	125.5
141	54.8	43.8	65.8



#22
Hexachlorobenzene
Concen: 0.408 ng
RT: 16.338 min Scan# 1648
Delta R.T. 0.000 min
Lab File: BN036925.D
Acq: 28 Apr 2025 12:47

Tgt Ion	Ratio	Lower	Upper
284	100		
142	50.0	40.0	60.0
249	35.2	28.2	42.2

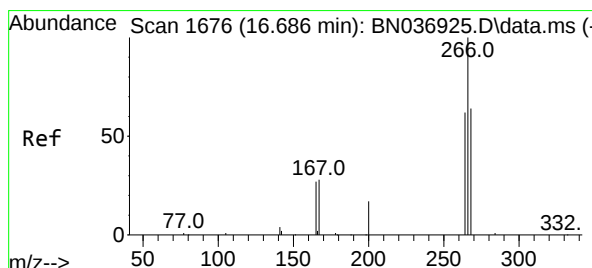
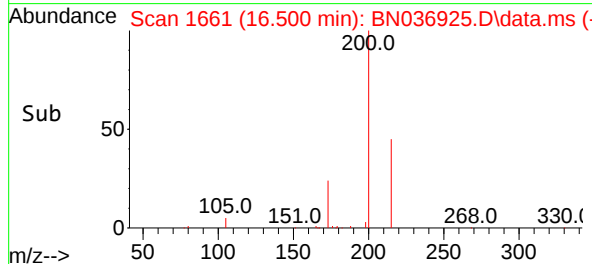
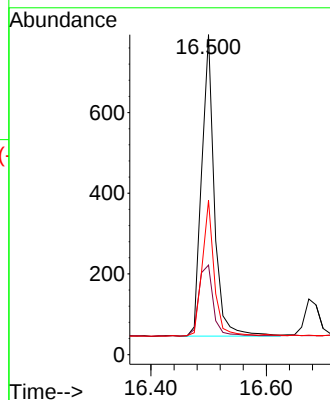
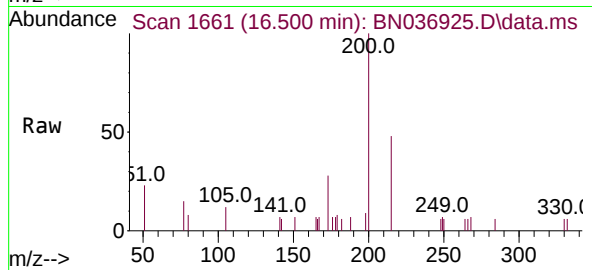




#23
Atrazine
Concen: 0.380 ng
RT: 16.500 min Scan# 1661
Delta R.T. 0.000 min
Lab File: BN036925.D
Acq: 28 Apr 2025 12:47

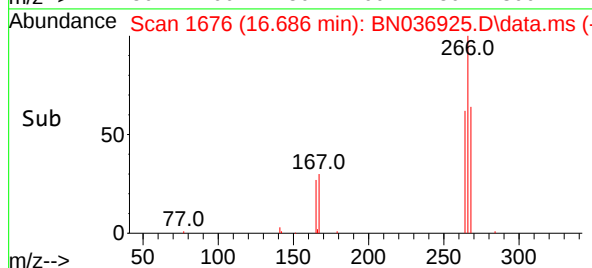
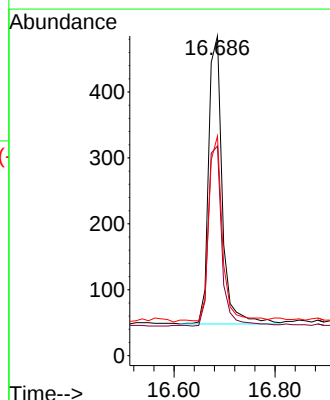
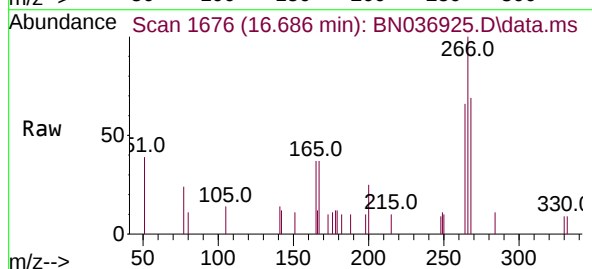
Instrument :
BNA_N
ClientSampleId :
SSTDICCC0.4

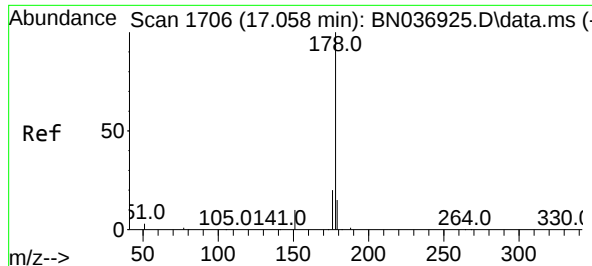
Tgt Ion	Ratio	Lower	Upper
200	100		
173	28.0	22.4	33.6
215	48.2	38.6	57.8



#24
Pentachlorophenol
Concen: 0.378 ng
RT: 16.686 min Scan# 1676
Delta R.T. 0.000 min
Lab File: BN036925.D
Acq: 28 Apr 2025 12:47

Tgt Ion	Ratio	Lower	Upper
266	100		
264	62.4	49.9	74.9
268	65.3	52.2	78.4

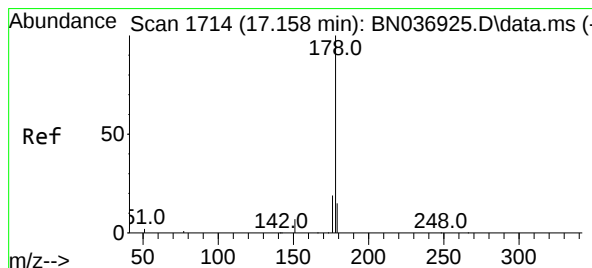
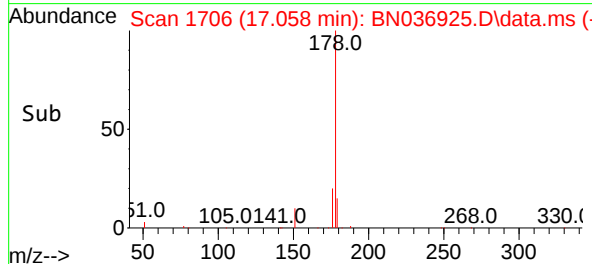
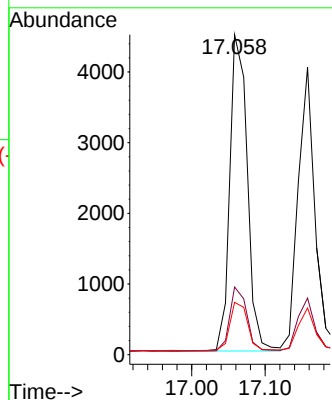
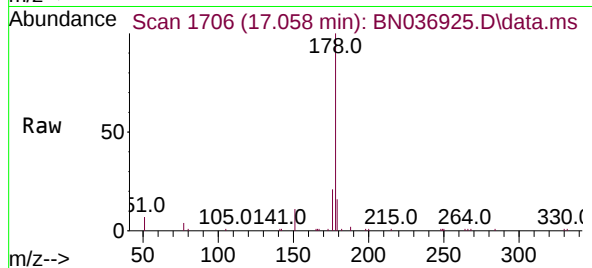




#25
Phenanthrene
Concen: 0.395 ng
RT: 17.058 min Scan# 1706
Delta R.T. 0.000 min
Lab File: BN036925.D
Acq: 28 Apr 2025 12:47

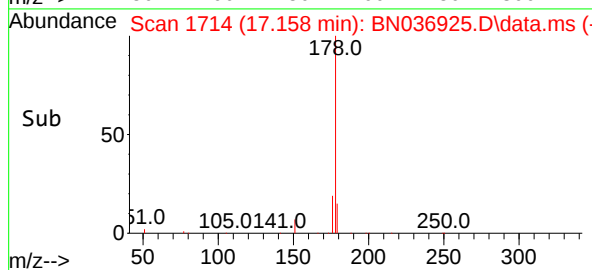
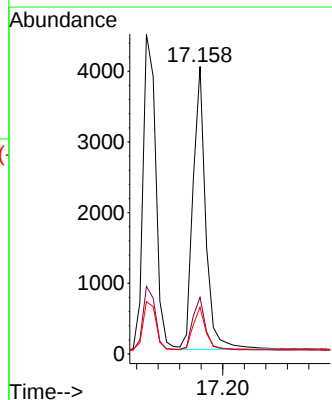
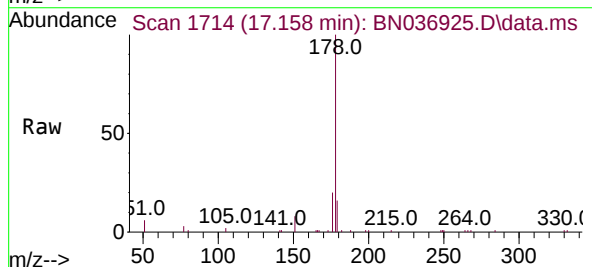
Instrument :
BNA_N
ClientSampleId :
SSTDICCC0.4

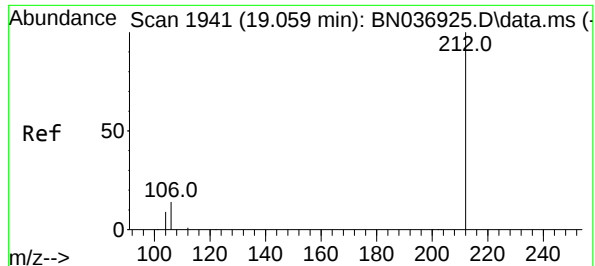
Tgt Ion	Ratio	Lower	Upper
178	100		
176	19.6	15.7	23.5
179	15.5	12.4	18.6



#26
Anthracene
Concen: 0.390 ng
RT: 17.158 min Scan# 1714
Delta R.T. 0.000 min
Lab File: BN036925.D
Acq: 28 Apr 2025 12:47

Tgt Ion	Ratio	Lower	Upper
178	100		
176	19.1	15.3	22.9
179	15.0	12.1	18.1





#27

Fluoranthene-d10

Concen: 0.387 ng

RT: 19.059 min Scan# 1941

Delta R.T. 0.000 min

Lab File: BN036925.D

Acq: 28 Apr 2025 12:47

Instrument :

BNA_N

ClientSampleId :

SSTDICCC0.4

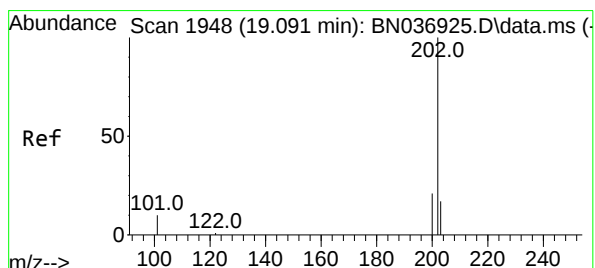
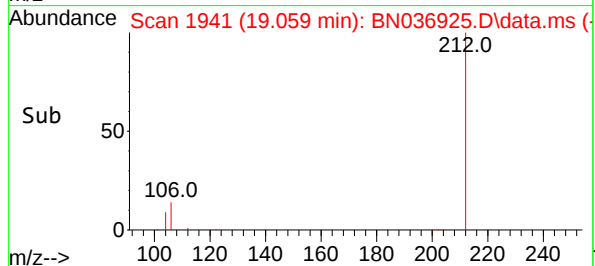
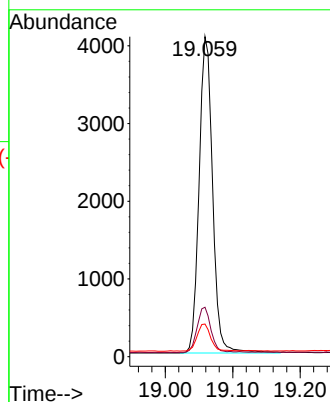
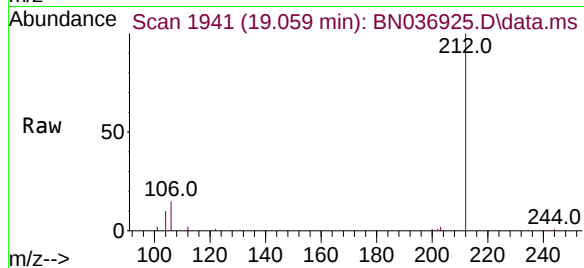
Tgt Ion:212 Resp: 5661

Ion Ratio Lower Upper

212 100

106 14.5 11.6 17.4

104 8.7 7.0 10.4



#28

Fluoranthene

Concen: 0.384 ng

RT: 19.091 min Scan# 1948

Delta R.T. 0.000 min

Lab File: BN036925.D

Acq: 28 Apr 2025 12:47

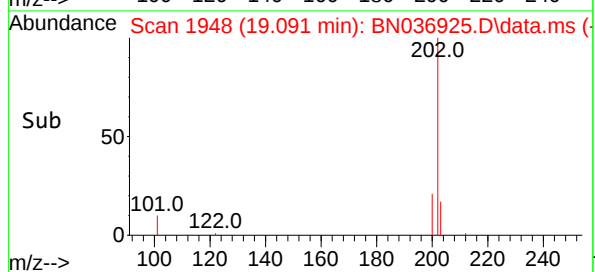
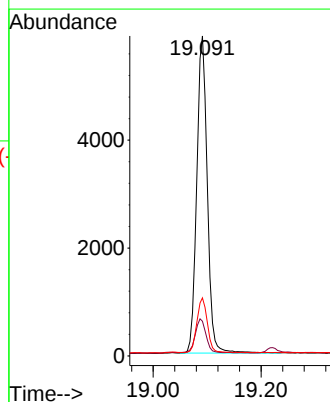
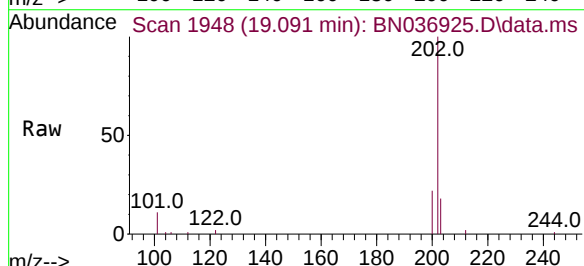
Tgt Ion:202 Resp: 7988

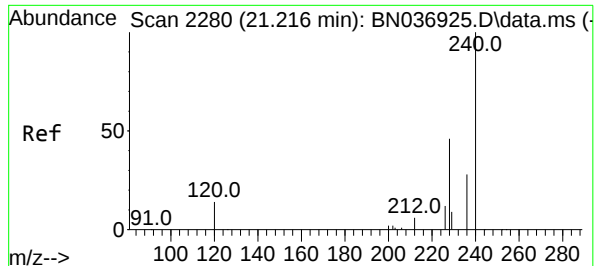
Ion Ratio Lower Upper

202 100

101 10.6 8.5 12.7

203 17.1 13.7 20.5





#29

Chrysene-d12

Concen: 0.400 ng

RT: 21.216 min Scan# 21

Delta R.T. 0.000 min

Lab File: BN036925.D

Acq: 28 Apr 2025 12:47

Instrument :

BNA_N

ClientSampleId :

SSTDICCC0.4

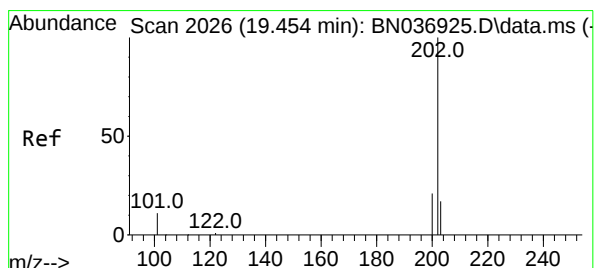
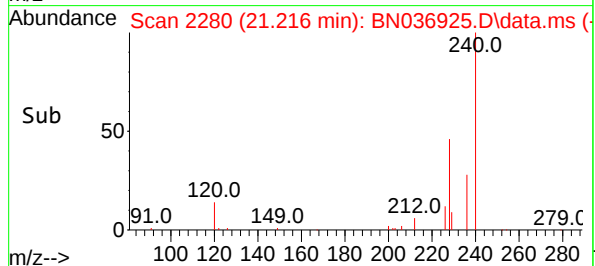
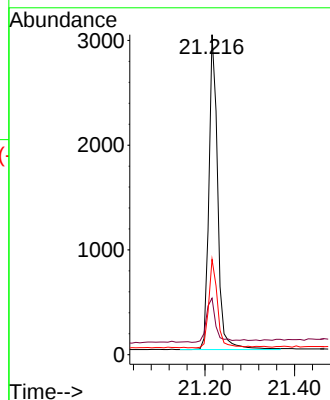
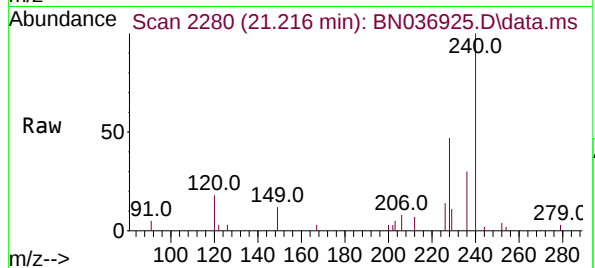
Tgt Ion:240 Resp: 4119

Ion Ratio Lower Upper

240 100

120 17.6 14.1 21.1

236 29.8 23.8 35.8



#30

Pyrene

Concen: 0.403 ng

RT: 19.454 min Scan# 2026

Delta R.T. 0.000 min

Lab File: BN036925.D

Acq: 28 Apr 2025 12:47

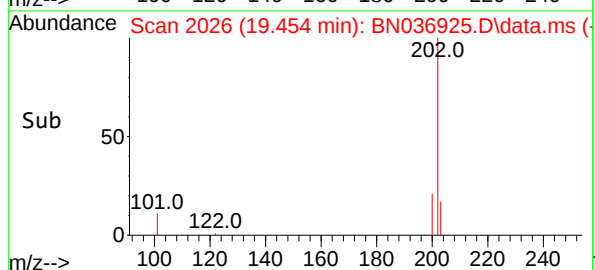
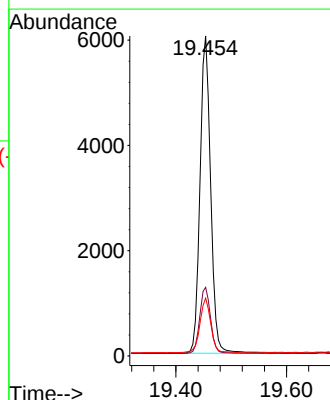
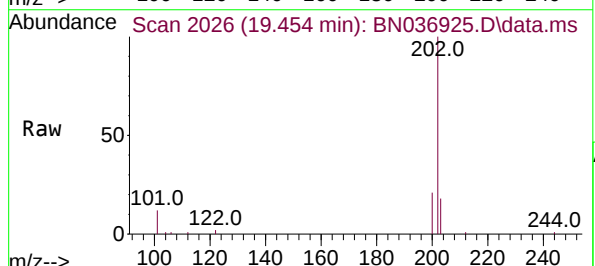
Tgt Ion:202 Resp: 8067

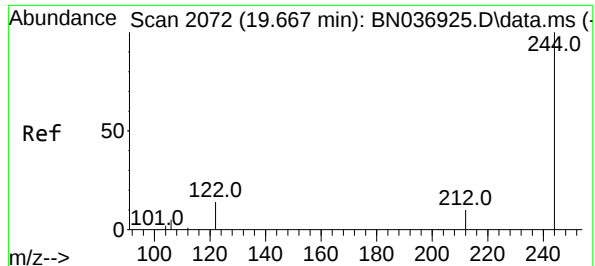
Ion Ratio Lower Upper

202 100

200 21.3 17.0 25.6

203 17.5 14.0 21.0

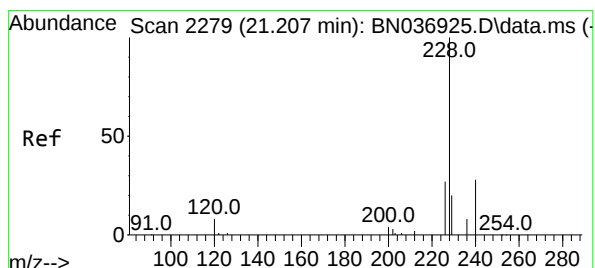
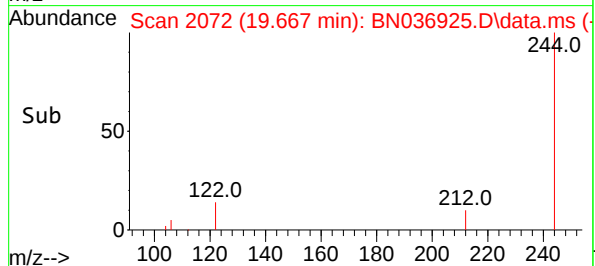
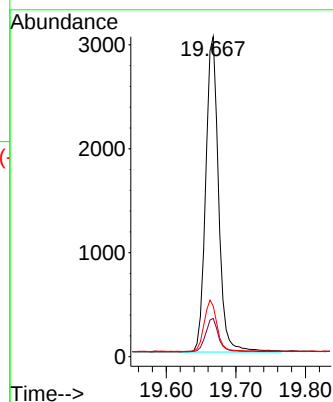
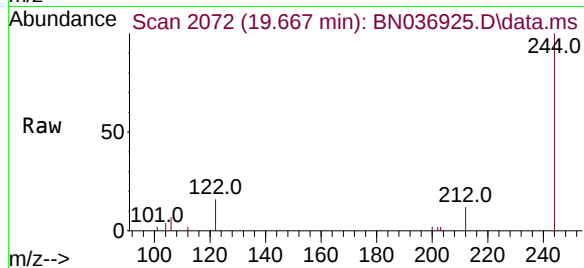




#31
Terphenyl-d14
Concen: 0.397 ng
RT: 19.667 min Scan# 2072
Delta R.T. 0.000 min
Lab File: BN036925.D
Acq: 28 Apr 2025 12:47

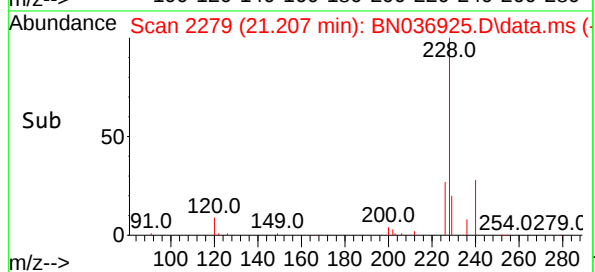
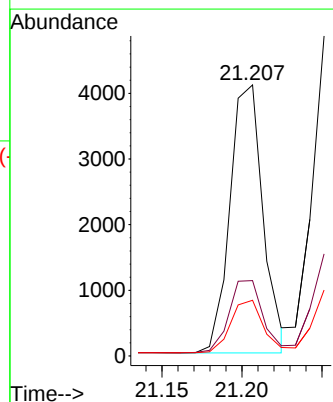
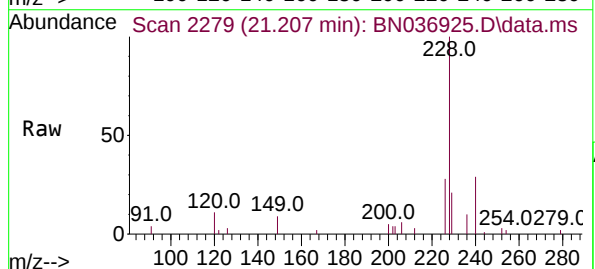
Instrument :
BNA_N
ClientSampleId :
SSTDICCC0.4

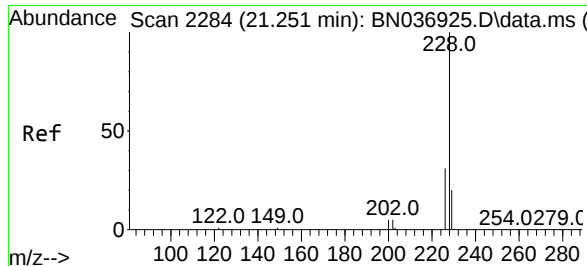
Tgt Ion	Ratio	Lower	Upper
244	100		
212	12.0	9.6	14.4
122	15.9	12.7	19.1



#32
Benzo(a)anthracene
Concen: 0.392 ng
RT: 21.207 min Scan# 2279
Delta R.T. 0.000 min
Lab File: BN036925.D
Acq: 28 Apr 2025 12:47

Tgt Ion	Ratio	Lower	Upper
228	100		
226	27.8	22.2	33.4
229	20.5	16.4	24.6





#33

Chrysene

Concen: 0.410 ng

RT: 21.251 min Scan# 21

Delta R.T. 0.000 min

Lab File: BN036925.D

Acq: 28 Apr 2025 12:47

Instrument :

BNA_N

ClientSampleId :

SSTDICCC0.4

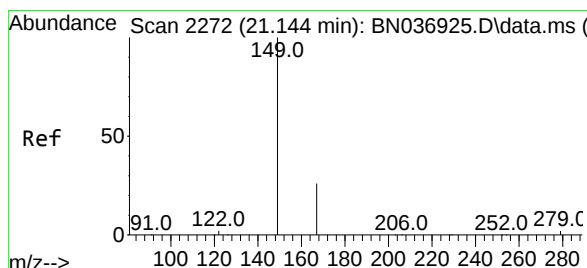
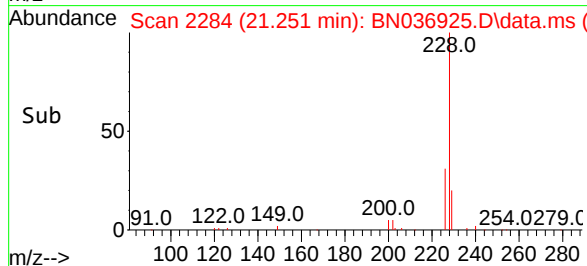
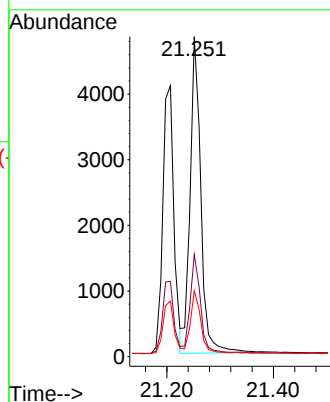
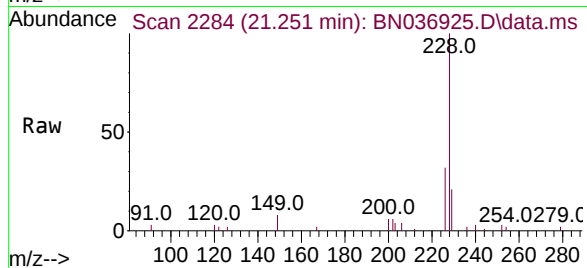
Tgt Ion:228 Resp: 6742

Ion Ratio Lower Upper

228 100

226 31.9 25.5 38.3

229 20.6 16.5 24.7



#34

Bis(2-ethylhexyl)phthalate

Concen: 0.400 ng

RT: 21.144 min Scan# 2272

Delta R.T. 0.000 min

Lab File: BN036925.D

Acq: 28 Apr 2025 12:47

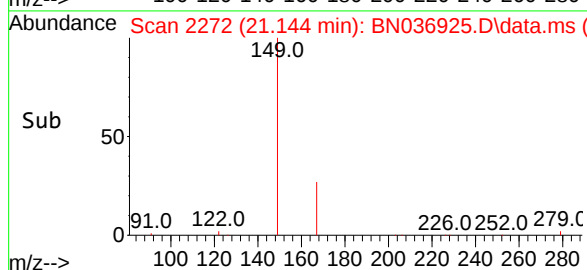
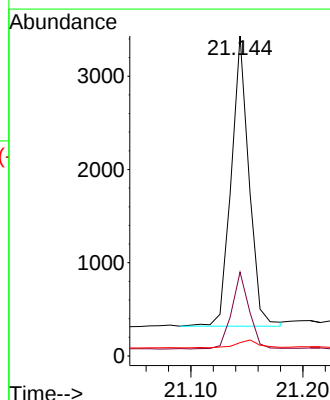
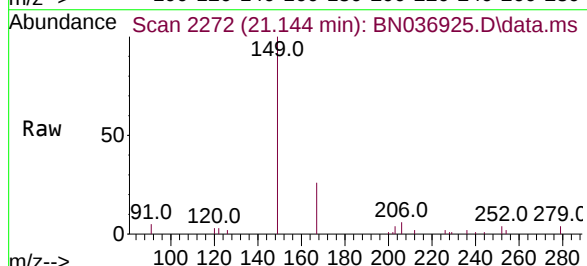
Tgt Ion:149 Resp: 3434

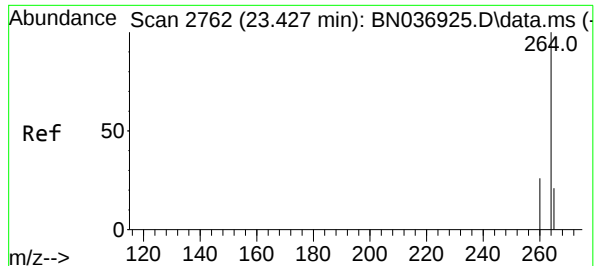
Ion Ratio Lower Upper

149 100

167 26.1 21.0 31.6

279 3.4 2.7 4.1





#35

Perylene-d12

Concen: 0.400 ng

RT: 23.427 min Scan# 21

Delta R.T. 0.000 min

Lab File: BN036925.D

Acq: 28 Apr 2025 12:47

Instrument :

BNA_N

ClientSampleId :

SSTDICCC0.4

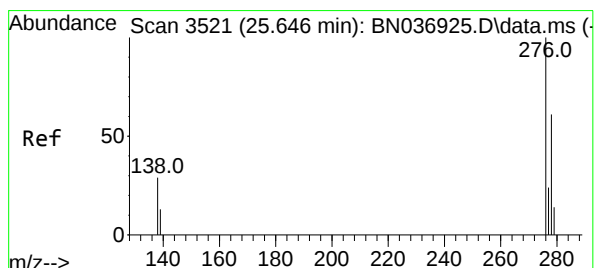
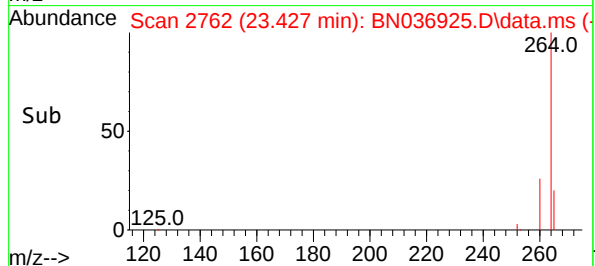
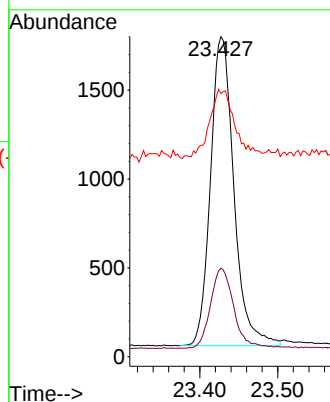
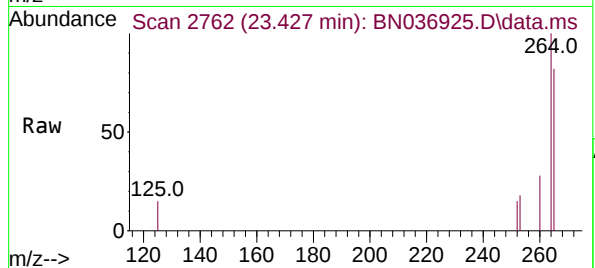
Tgt Ion:264 Resp: 3630

Ion Ratio Lower Upper

264 100

260 27.7 22.2 33.2

265 82.2 65.8 98.6



#36

Indeno(1,2,3-cd)pyrene

Concen: 0.418 ng

RT: 25.646 min Scan# 3521

Delta R.T. 0.000 min

Lab File: BN036925.D

Acq: 28 Apr 2025 12:47

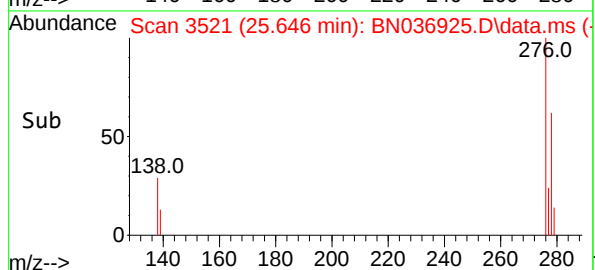
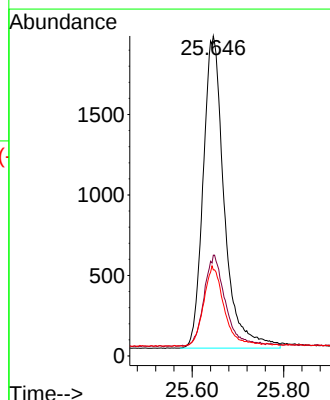
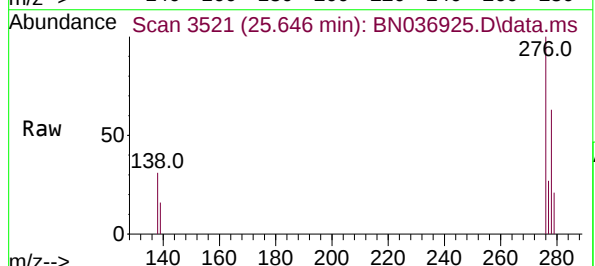
Tgt Ion:276 Resp: 6214

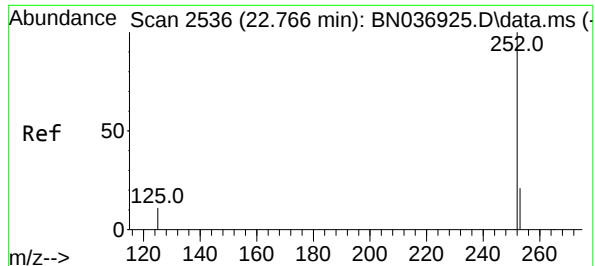
Ion Ratio Lower Upper

276 100

138 28.8 23.0 34.6

277 25.0 20.0 30.0





#37

Benzo(b)fluoranthene

Concen: 0.394 ng

RT: 22.766 min Scan# 2536

Delta R.T. 0.000 min

Lab File: BN036925.D

Acq: 28 Apr 2025 12:47

Instrument :

BNA_N

ClientSampleId :

SSTDICCC0.4

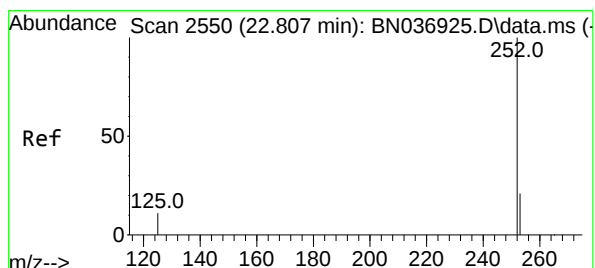
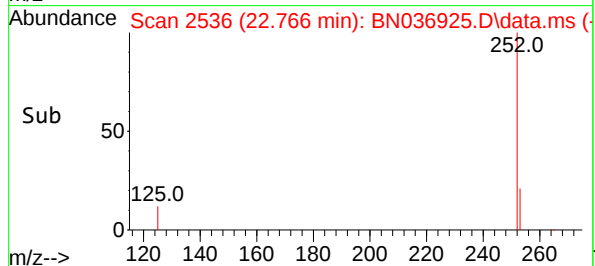
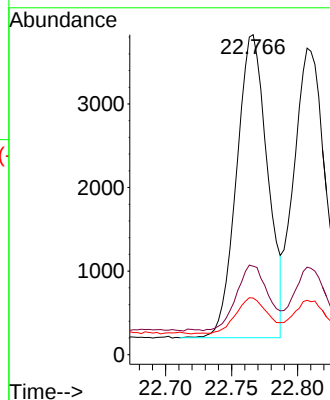
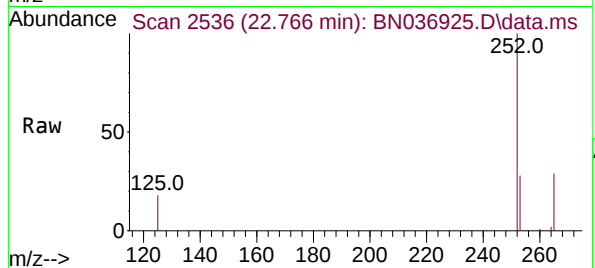
Tgt Ion:252 Resp: 5932

Ion Ratio Lower Upper

252 100

253 27.6 22.1 33.1

125 17.7 14.2 21.2



#38

Benzo(k)fluoranthene

Concen: 0.393 ng

RT: 22.807 min Scan# 2550

Delta R.T. 0.000 min

Lab File: BN036925.D

Acq: 28 Apr 2025 12:47

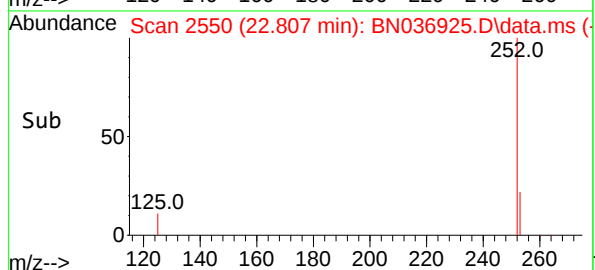
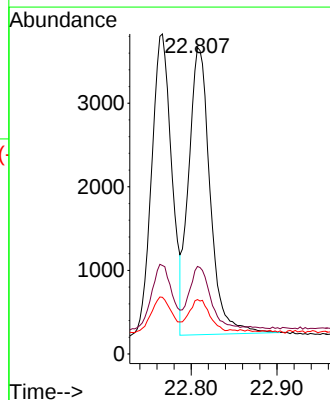
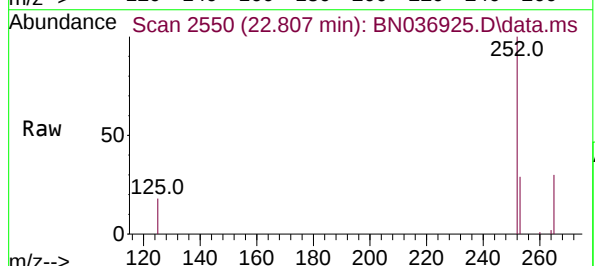
Tgt Ion:252 Resp: 5983

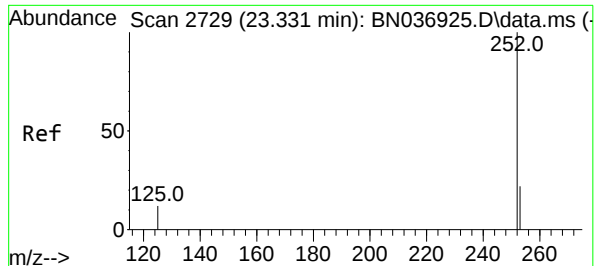
Ion Ratio Lower Upper

252 100

253 28.5 22.8 34.2

125 17.7 14.2 21.2





#39

Benzo(a)pyrene

Concen: 0.398 ng

RT: 23.331 min Scan# 21

Delta R.T. 0.000 min

Lab File: BN036925.D

Acq: 28 Apr 2025 12:47

Instrument :

BNA_N

ClientSampleId :

SSTDICCC0.4

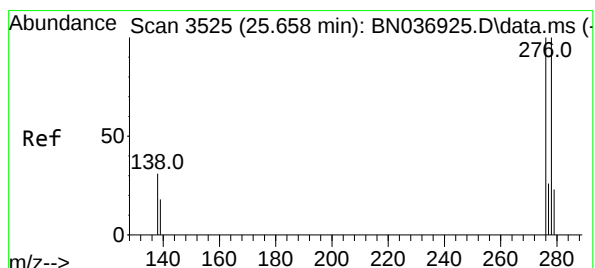
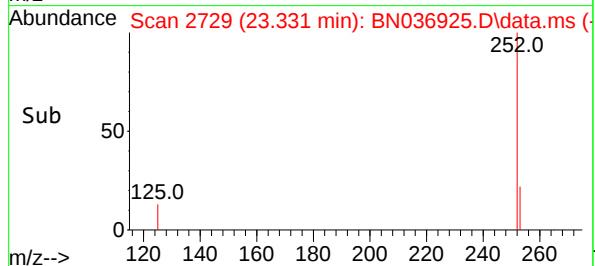
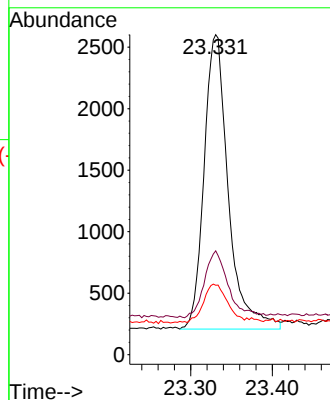
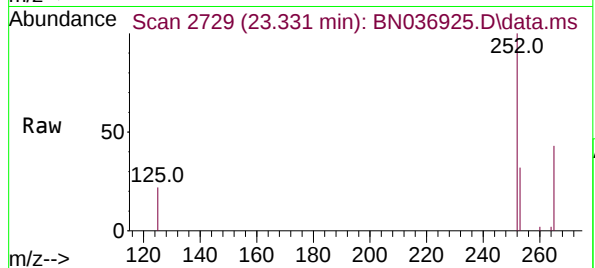
Tgt Ion:252 Resp: 4940

Ion Ratio Lower Upper

252 100

253 32.4 25.9 38.9

125 21.7 17.4 26.0



#40

Dibenzo(a,h)anthracene

Concen: 0.419 ng

RT: 25.658 min Scan# 3525

Delta R.T. 0.000 min

Lab File: BN036925.D

Acq: 28 Apr 2025 12:47

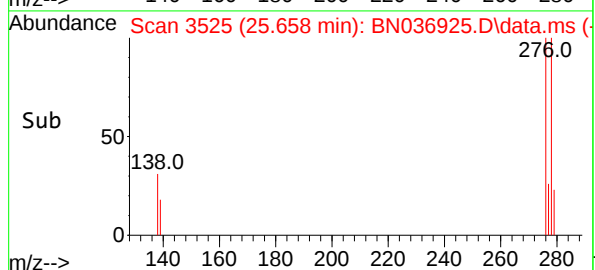
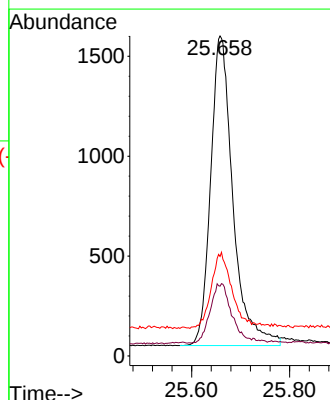
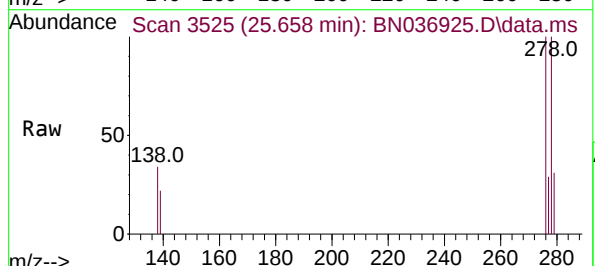
Tgt Ion:278 Resp: 4897

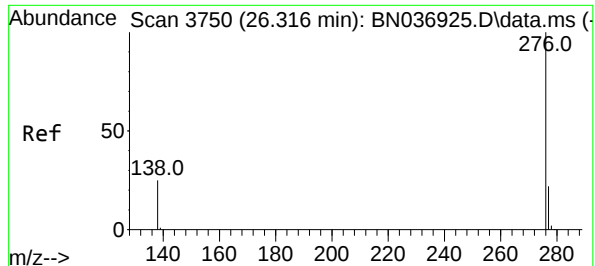
Ion Ratio Lower Upper

278 100

139 21.8 17.4 26.2

279 31.1 24.9 37.3





#41

Benzo(g,h,i)perylene

Concen: 0.420 ng

RT: 26.316 min Scan# 31

Delta R.T. 0.000 min

Lab File: BN036925.D

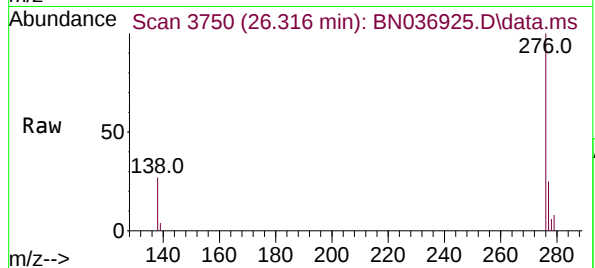
Acq: 28 Apr 2025 12:47

Instrument :

BNA_N

ClientSampleId :

SSTDICCC0.4



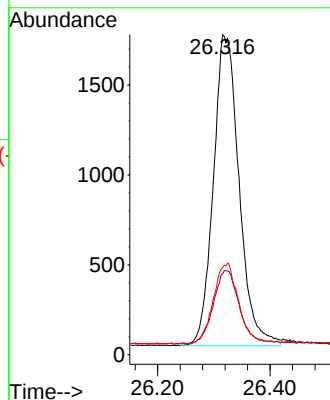
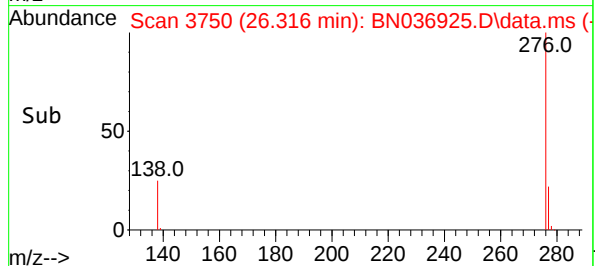
Tgt Ion:276 Resp: 5500

Ion Ratio Lower Upper

276 100

277 25.2 20.2 30.2

138 27.4 21.9 32.9



Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN042825\
 Data File : BN036926.D
 Acq On : 28 Apr 2025 13:24
 Operator : RC/JU
 Sample : SSTDICC0.8
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 SSTDICC0.8

Quant Time: Apr 28 15:13:14 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN042825.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Apr 28 15:11:09 2025
 Response via : Initial Calibration

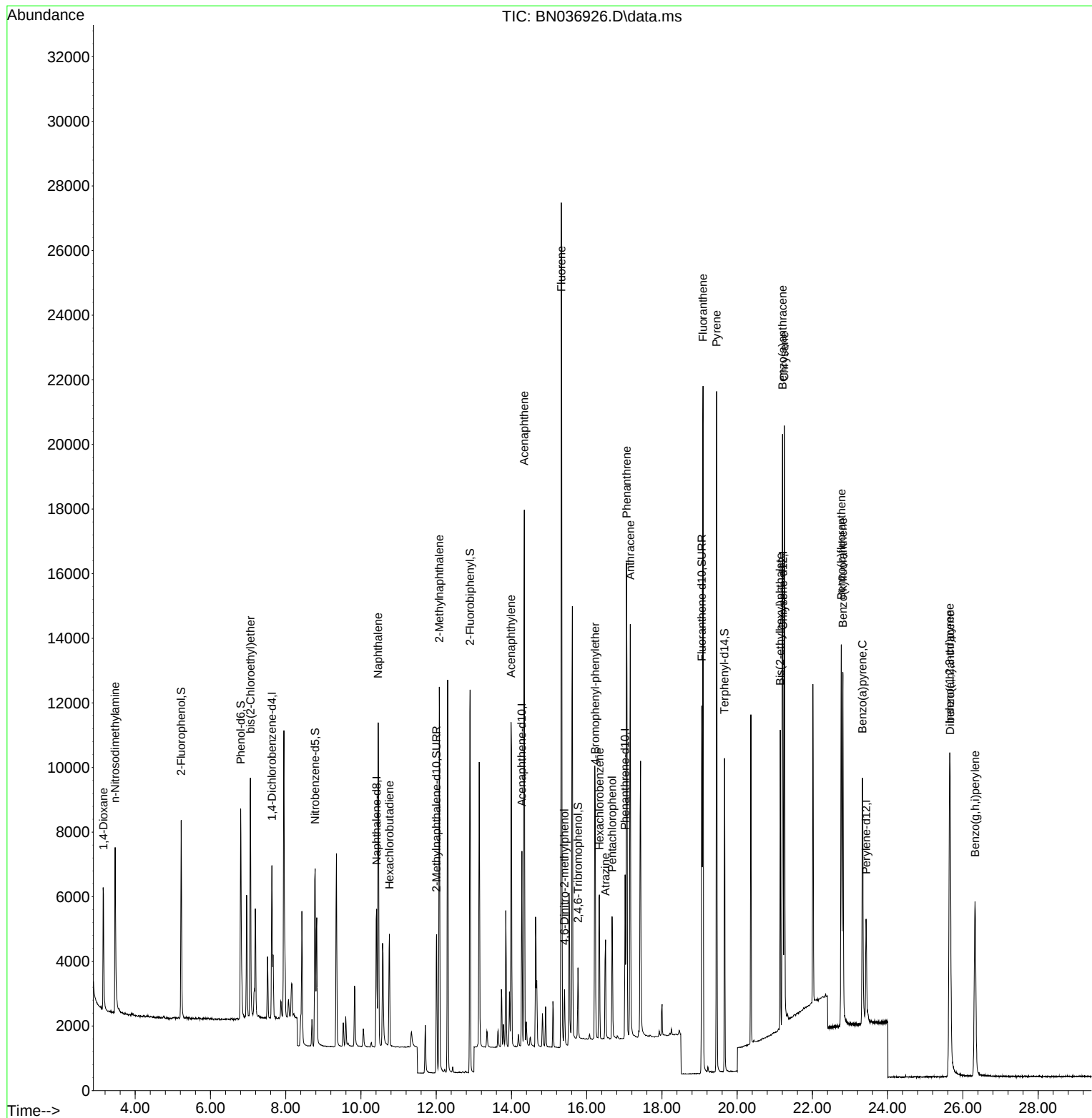
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.633	152	2230	0.400	ng	0.00
7) Naphthalene-d8	10.415	136	5489	0.400	ng	0.00
13) Acenaphthene-d10	14.277	164	3040	0.400	ng	0.00
19) Phenanthrene-d10	17.021	188	6101	0.400	ng	0.00
29) Chrysene-d12	21.215	240	4993	0.400	ng	0.00
35) Perylene-d12	23.427	264	4243	0.400	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.220	112	4217	0.733	ng	0.00
5) Phenol-d6	6.802	99	5133	0.732	ng	0.00
8) Nitrobenzene-d5	8.781	82	4432	0.777	ng	0.00
11) 2-Methylnaphthalene-d10	12.006	152	5965	0.784	ng	0.00
14) 2,4,6-Tribromophenol	15.767	330	1061	0.796	ng	0.00
15) 2-Fluorobiphenyl	12.899	172	10275	0.699	ng	0.00
27) Fluoranthene-d10	19.059	212	12399	0.794	ng	0.00
31) Terphenyl-d14	19.663	244	8916	0.750	ng	0.00
Target Compounds						
2) 1,4-Dioxane	3.155	88	2257	0.801	ng	97
3) n-Nitrosodimethylamine	3.465	42	4269	0.785	ng	# 97
6) bis(2-Chloroethyl)ether	7.062	93	5078	0.780	ng	99
9) Naphthalene	10.458	128	12423	0.778	ng	99
10) Hexachlorobutadiene	10.757	225	2738	0.786	ng	# 98
12) 2-Methylnaphthalene	12.082	142	8066	0.789	ng	100
16) Acenaphthylene	13.989	152	11455	0.778	ng	100
17) Acenaphthene	14.341	154	7590	0.780	ng	99
18) Fluorene	15.325	166	10080	0.795	ng	98
20) 4,6-Dinitro-2-methylph...	15.410	198	1166	0.763	ng	# 65
21) 4-Bromophenyl-phenylether	16.227	248	3169	0.780	ng	94
22) Hexachlorobenzene	16.338	284	3420	0.762	ng	99
23) Atrazine	16.500	200	2644	0.825	ng	94
24) Pentachlorophenol	16.673	266	1767	0.758	ng	99
25) Phenanthrene	17.058	178	15621	0.778	ng	100
26) Anthracene	17.157	178	13888	0.774	ng	100
28) Fluoranthene	19.091	202	17952	0.808	ng	99
30) Pyrene	19.453	202	17990	0.741	ng	100
32) Benzo(a)anthracene	21.206	228	14201	0.780	ng	99
33) Chrysene	21.251	228	15802	0.792	ng	99
34) Bis(2-ethylhexyl)phtha...	21.144	149	7831	0.753	ng	# 99
36) Indeno(1,2,3-cd)pyrene	25.643	276	12758	0.734	ng	100
37) Benzo(b)fluoranthene	22.766	252	13818	0.786	ng	93
38) Benzo(k)fluoranthene	22.807	252	13927	0.783	ng	93
39) Benzo(a)pyrene	23.330	252	11160	0.770	ng	# 89
40) Dibenzo(a,h)anthracene	25.661	278	9982	0.730	ng	95
41) Benzo(g,h,i)perylene	26.321	276	11072	0.724	ng	99

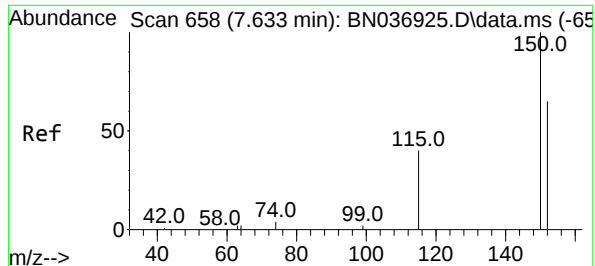
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Acq On : 28 Apr 2025 13:24
Operator : RC/JU
Sample : SSTDICC0.8
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.8

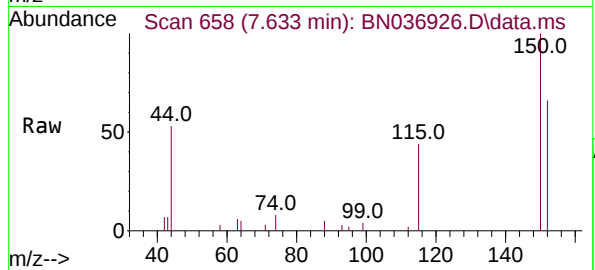
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Response via : Initial Calibration



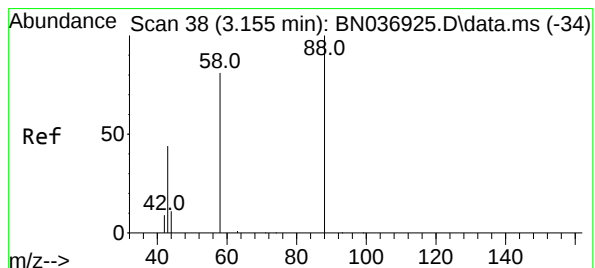
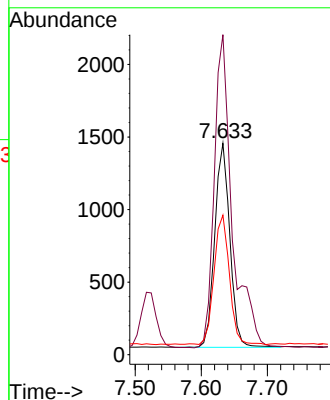
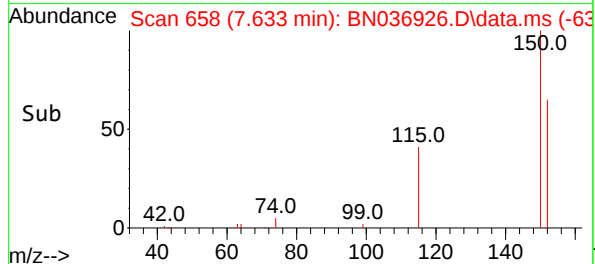


#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.633 min Scan# 61
Delta R.T. -0.000 min
Lab File: BN036926.D
Acq: 28 Apr 2025 13:24

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.8

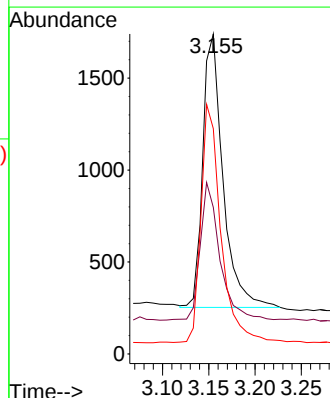
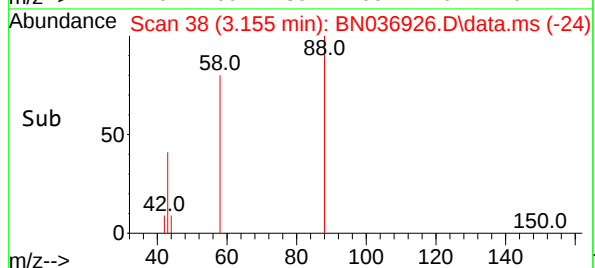
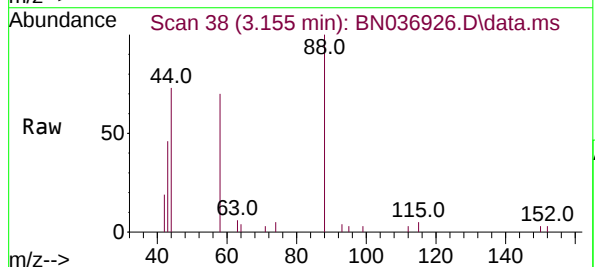


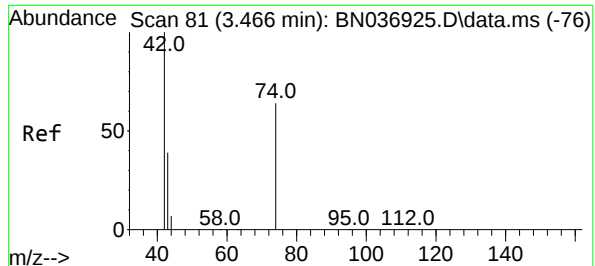
Tgt Ion:152 Resp: 2230
Ion Ratio Lower Upper
152 100
150 151.3 121.1 181.7
115 66.0 51.8 77.6



#2
1,4-Dioxane
Concen: 0.801 ng
RT: 3.155 min Scan# 38
Delta R.T. -0.000 min
Lab File: BN036926.D
Acq: 28 Apr 2025 13:24

Tgt Ion: 88 Resp: 2257
Ion Ratio Lower Upper
88 100
43 49.0 37.9 56.9
58 85.8 65.8 98.6

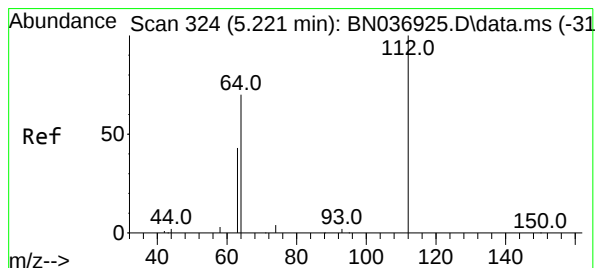
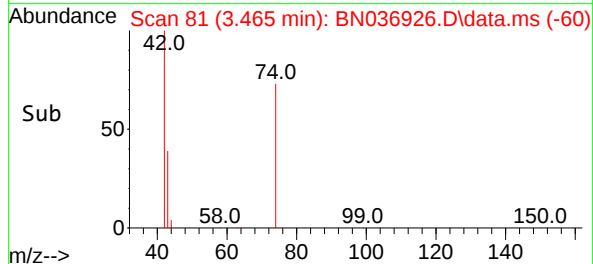
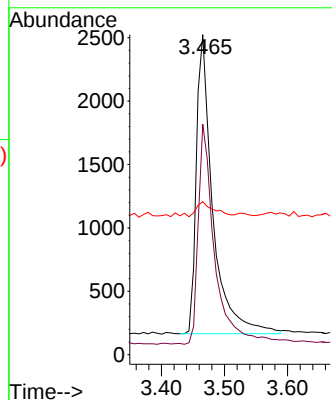
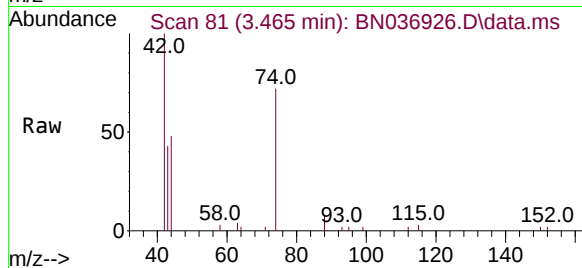




#3
n-Nitrosodimethylamine
Concen: 0.785 ng
RT: 3.465 min Scan# 81
Delta R.T. -0.000 min
Lab File: BN036926.D
Acq: 28 Apr 2025 13:24

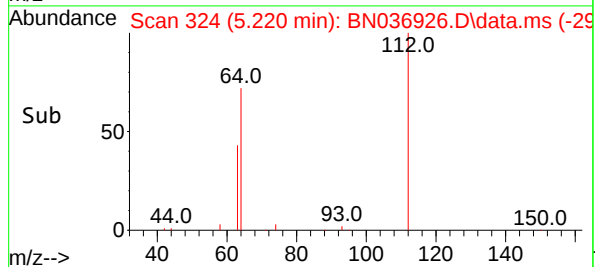
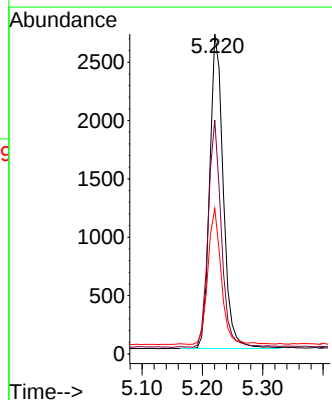
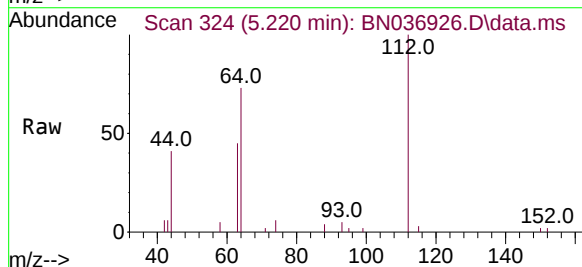
Instrument :
BNA_N
ClientSampleId :
SSTDICC0.8

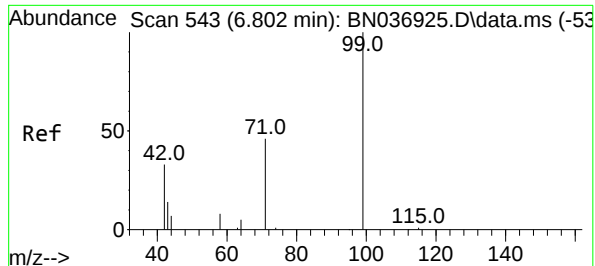
Tgt Ion: 42 Resp: 4269
Ion Ratio Lower Upper
42 100
74 72.8 59.9 89.9
44 5.2 7.5 11.3#



#4
2-Fluorophenol
Concen: 0.733 ng
RT: 5.220 min Scan# 324
Delta R.T. -0.000 min
Lab File: BN036926.D
Acq: 28 Apr 2025 13:24

Tgt Ion: 112 Resp: 4217
Ion Ratio Lower Upper
112 100
64 69.9 55.7 83.5
63 42.7 33.9 50.9

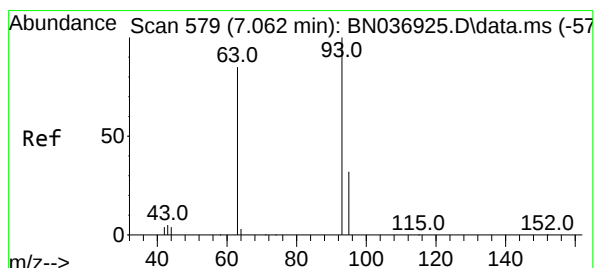
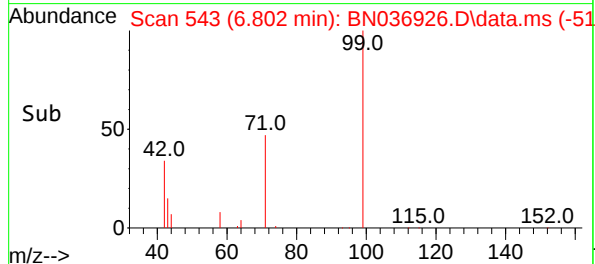
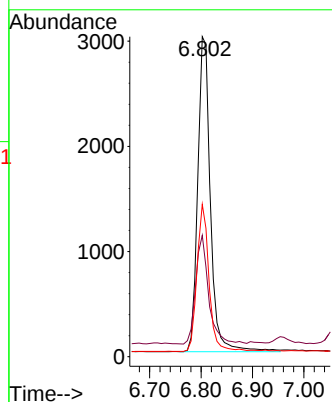
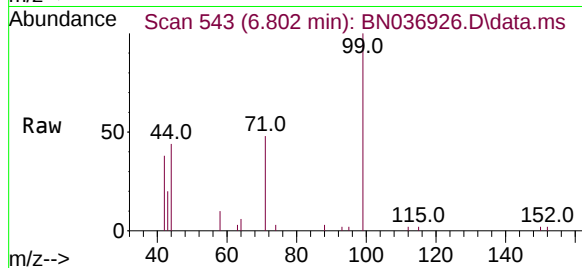




#5
Phenol-d6
Concen: 0.732 ng
RT: 6.802 min Scan# 543
Delta R.T. -0.000 min
Lab File: BN036926.D
Acq: 28 Apr 2025 13:24

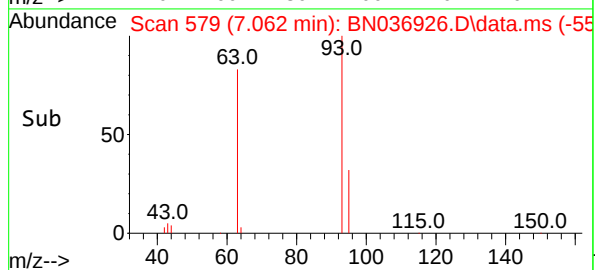
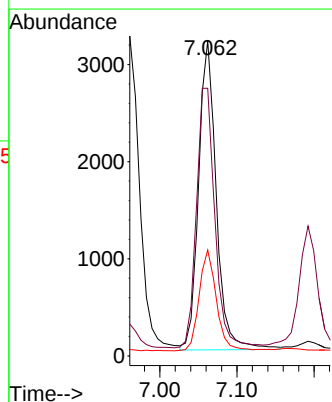
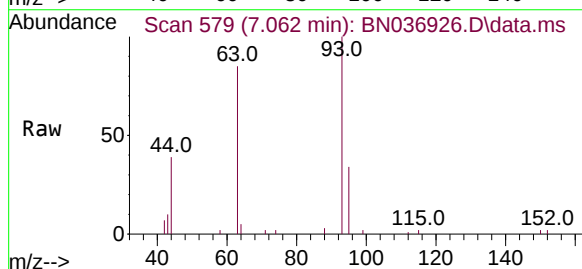
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ClientSampleId :
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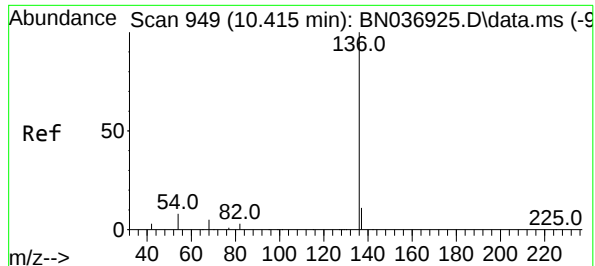
Tgt Ion: 99 Resp: 5133
Ion Ratio Lower Upper
99 100
42 35.2 29.6 44.4
71 44.7 36.0 54.0



#6
bis(2-Chloroethyl)ether
Concen: 0.780 ng
RT: 7.062 min Scan# 579
Delta R.T. -0.000 min
Lab File: BN036926.D
Acq: 28 Apr 2025 13:24

Tgt Ion: 93 Resp: 5078
Ion Ratio Lower Upper
93 100
63 87.5 69.0 103.6
95 31.9 25.4 38.0

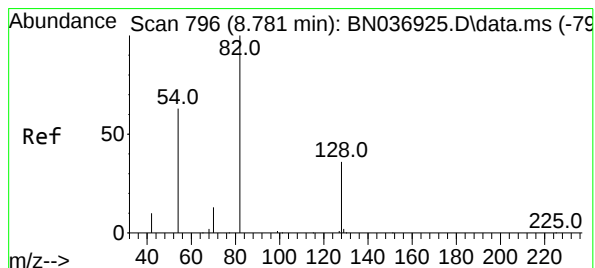
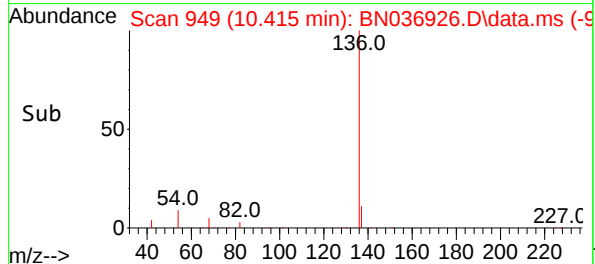
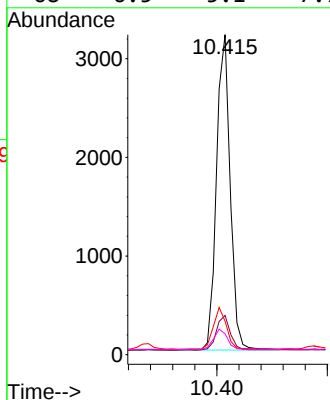
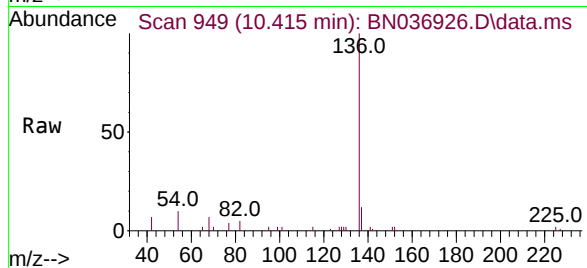




#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.415 min Scan# 949
Delta R.T. -0.000 min
Lab File: BN036926.D
Acq: 28 Apr 2025 13:24

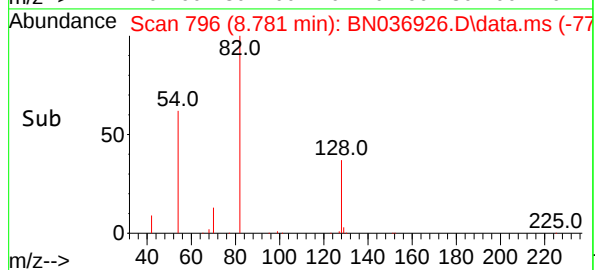
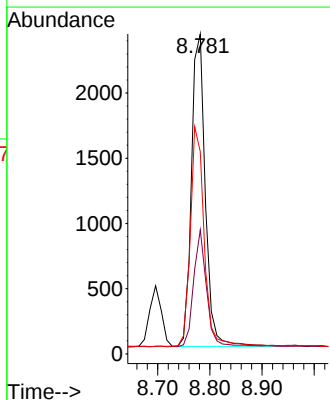
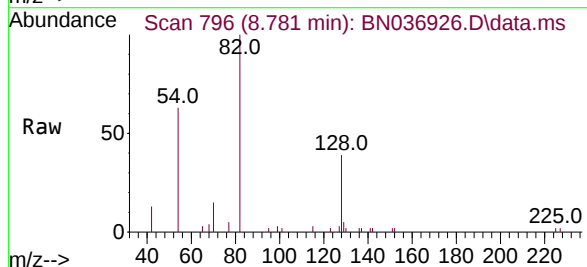
Instrument :
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ClientSampleId :
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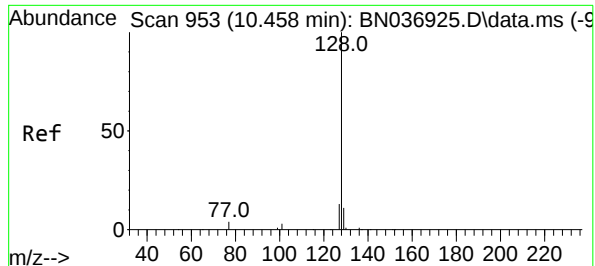
Tgt Ion:	136	Resp:	5489
Ion	Ratio	Lower	Upper
136	100		
137	12.2	9.7	14.5
54	10.5	8.0	12.0
68	6.5	5.1	7.7



#8
Nitrobenzene-d5
Concen: 0.777 ng
RT: 8.781 min Scan# 796
Delta R.T. -0.000 min
Lab File: BN036926.D
Acq: 28 Apr 2025 13:24

Tgt Ion:	82	Resp:	4432
Ion	Ratio	Lower	Upper
82	100		
128	38.8	30.7	46.1
54	63.2	52.1	78.1

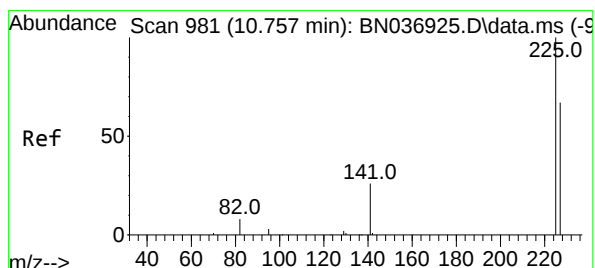
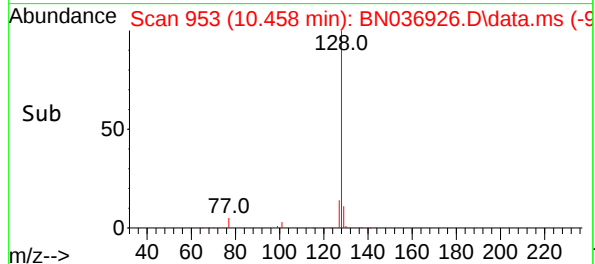
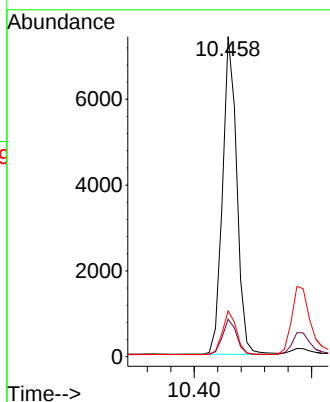
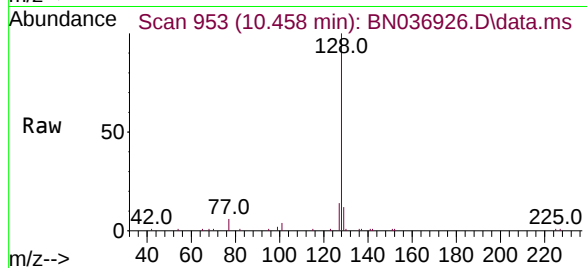




#9
Naphthalene
Concen: 0.778 ng
RT: 10.458 min Scan# 91
Delta R.T. -0.000 min
Lab File: BN036926.D
Acq: 28 Apr 2025 13:24

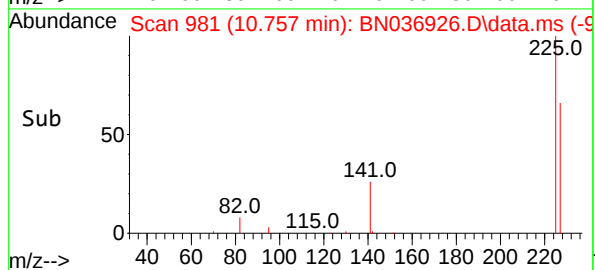
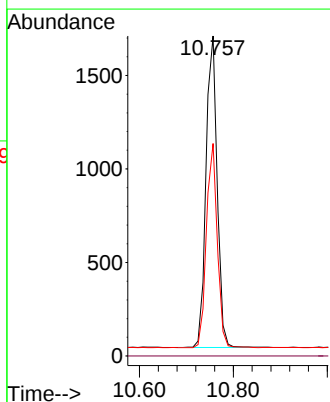
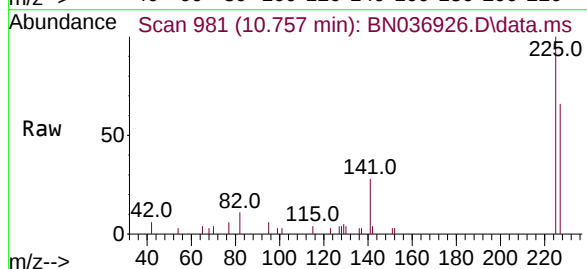
Instrument :
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ClientSampleId :
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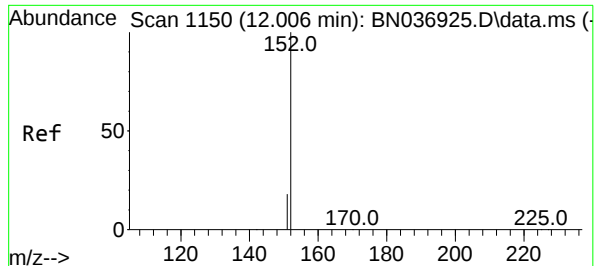
Tgt Ion	128	Resp	12423
Ion	Ratio	Lower	Upper
128	100		
129	11.7	9.8	14.6
127	14.3	11.4	17.2



#10
Hexachlorobutadiene
Concen: 0.786 ng
RT: 10.757 min Scan# 981
Delta R.T. -0.000 min
Lab File: BN036926.D
Acq: 28 Apr 2025 13:24

Tgt Ion	225	Resp	2738
Ion	Ratio	Lower	Upper
225	100		
223	0.0	0.0	0.0
227	64.0	52.2	78.4

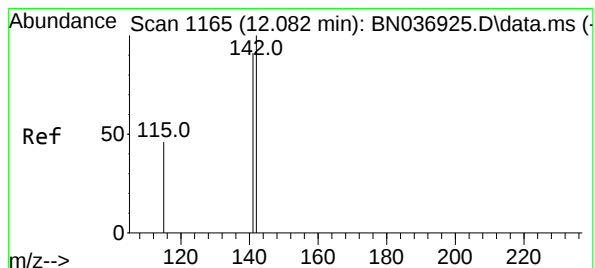
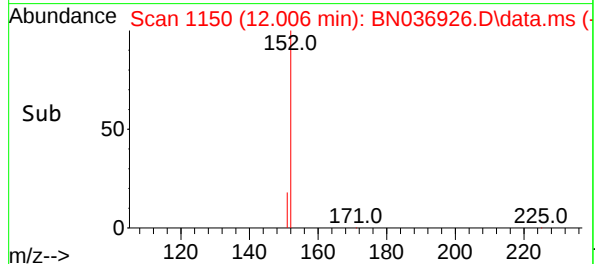
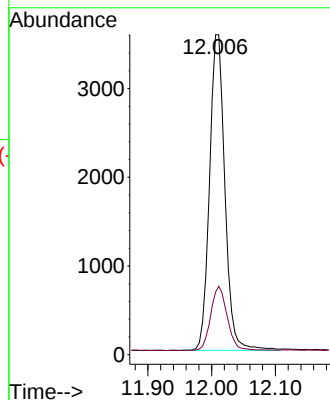
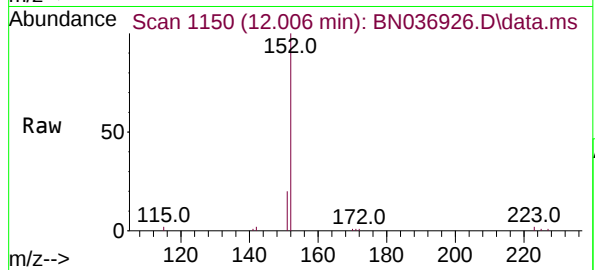




#11
2-Methylnaphthalene-d10
Concen: 0.784 ng
RT: 12.006 min Scan# 1150
Delta R.T. -0.000 min
Lab File: BN036926.D
Acq: 28 Apr 2025 13:24

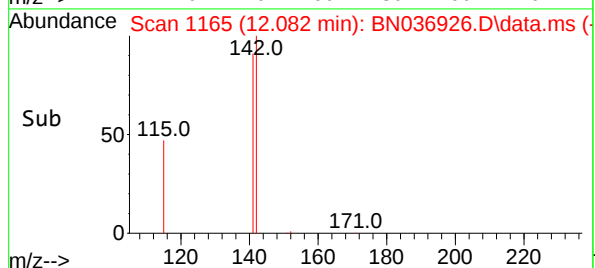
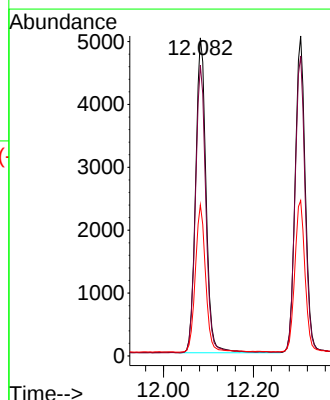
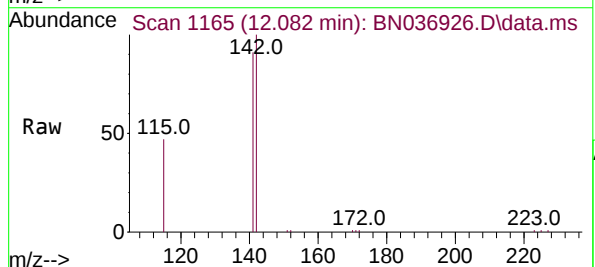
Instrument :
BNA_N
ClientSampleId :
SSTDICC0.8

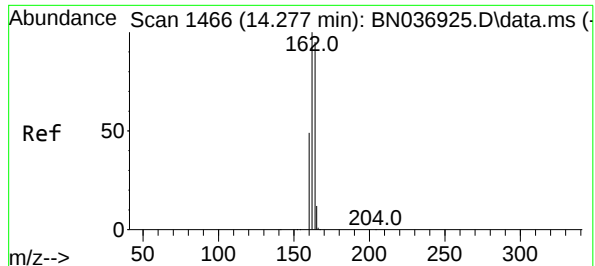
Tgt Ion:152 Resp: 5965
Ion Ratio Lower Upper
152 100
151 21.8 16.9 25.3



#12
2-Methylnaphthalene
Concen: 0.789 ng
RT: 12.082 min Scan# 1165
Delta R.T. -0.000 min
Lab File: BN036926.D
Acq: 28 Apr 2025 13:24

Tgt Ion:142 Resp: 8066
Ion Ratio Lower Upper
142 100
141 91.4 72.8 109.2
115 47.5 38.2 57.4

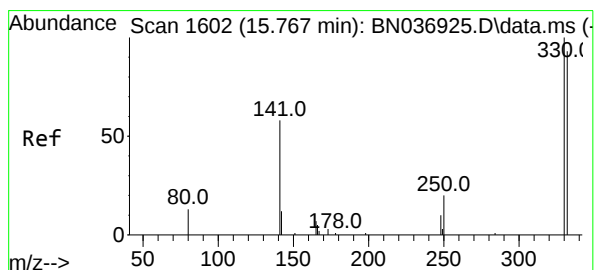
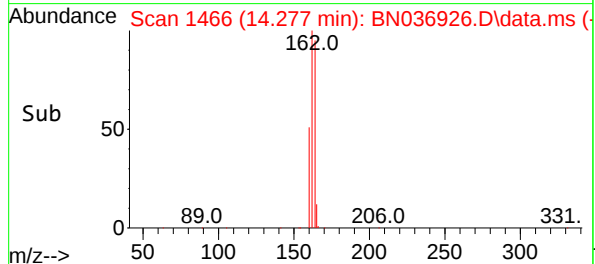
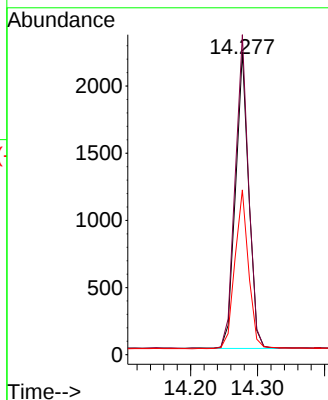
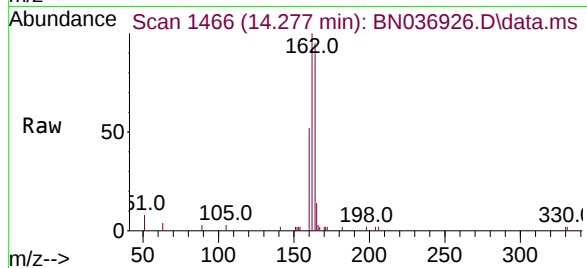




#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.277 min Scan# 1466
Delta R.T. -0.000 min
Lab File: BN036926.D
Acq: 28 Apr 2025 13:24

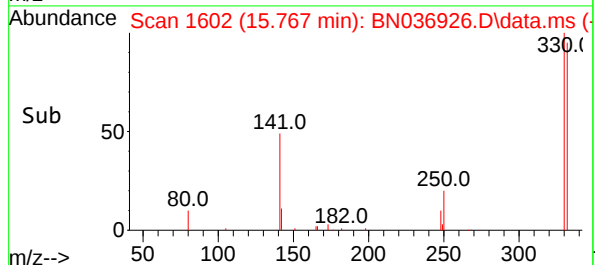
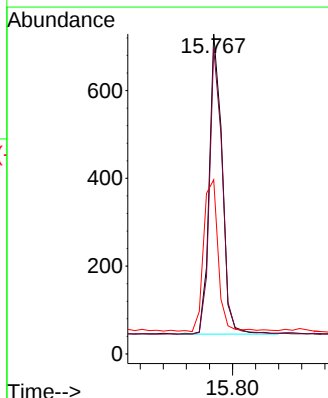
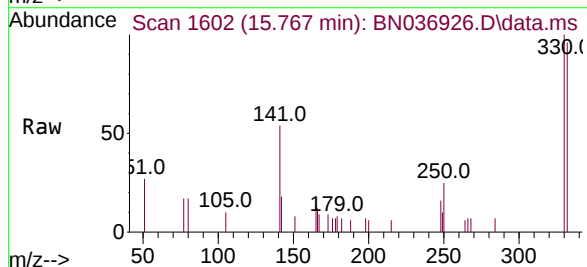
Instrument :
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ClientSampleId :
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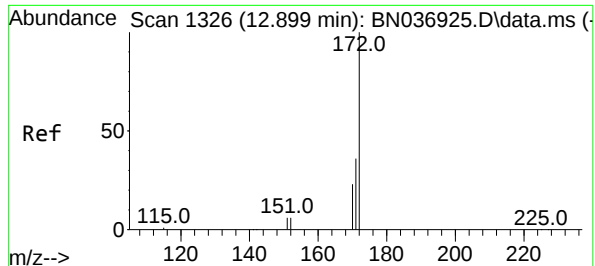
Tgt Ion:164 Resp: 3040
Ion Ratio Lower Upper
164 100
162 105.7 83.8 125.8
160 54.5 42.0 63.0



#14
2,4,6-Tribromophenol
Concen: 0.796 ng
RT: 15.767 min Scan# 1602
Delta R.T. -0.000 min
Lab File: BN036926.D
Acq: 28 Apr 2025 13:24

Tgt Ion:330 Resp: 1061
Ion Ratio Lower Upper
330 100
332 95.2 76.3 114.5
141 56.7 45.4 68.2

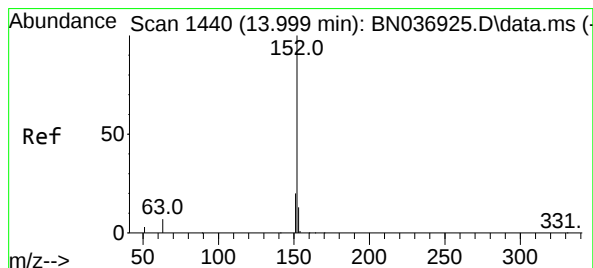
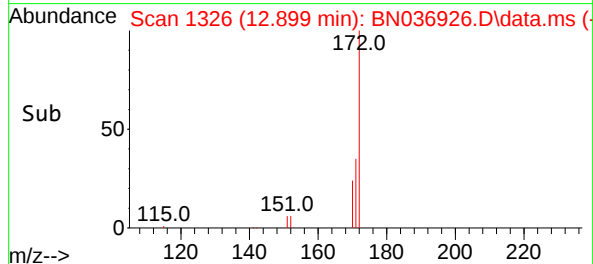
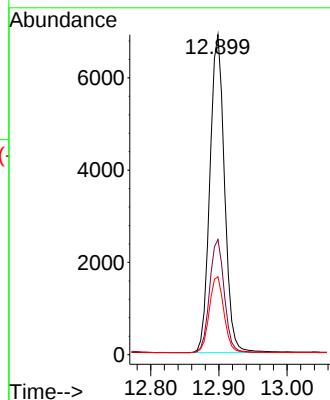
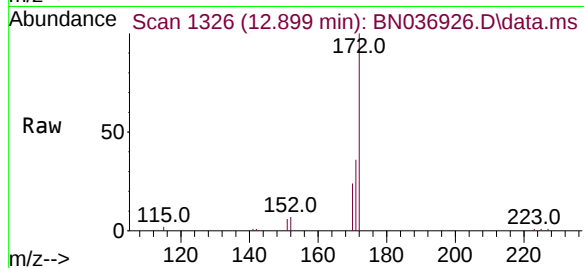




#15
2-Fluorobiphenyl
Concen: 0.699 ng
RT: 12.899 min Scan# 1438
Delta R.T. -0.000 min
Lab File: BN036926.D
Acq: 28 Apr 2025 13:24

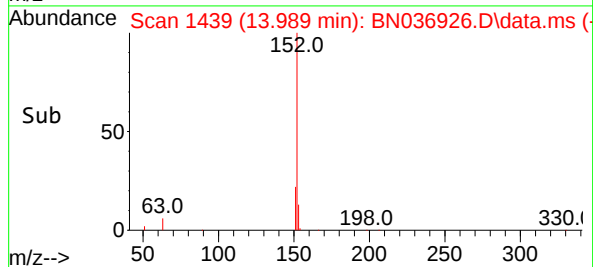
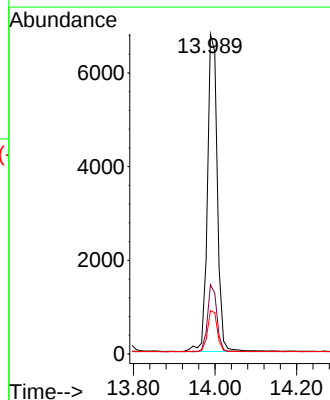
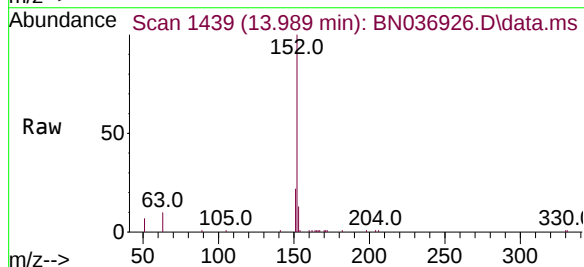
Instrument :
BNA_N
ClientSampleId :
SSTDICC0.8

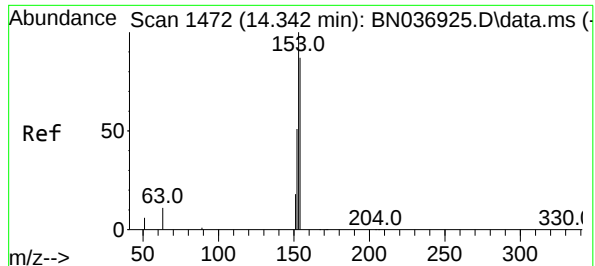
Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.0	29.4	44.0
170	24.3	19.4	29.0



#16
Acenaphthylene
Concen: 0.778 ng
RT: 13.989 min Scan# 1439
Delta R.T. -0.011 min
Lab File: BN036926.D
Acq: 28 Apr 2025 13:24

Tgt Ion	Ratio	Lower	Upper
152	100		
151	20.0	16.0	24.0
153	12.9	10.2	15.2

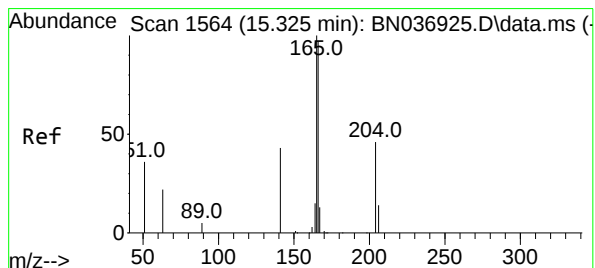
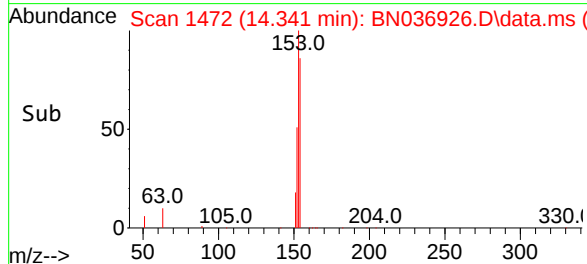
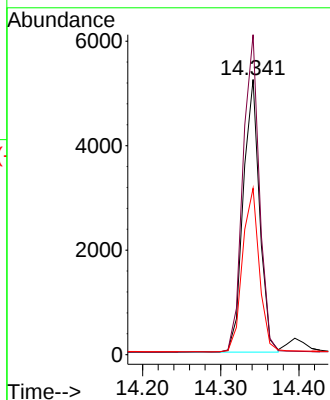
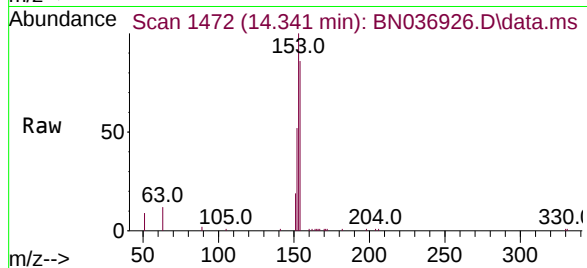




#17
Acenaphthene
Concen: 0.780 ng
RT: 14.341 min Scan# 1472
Delta R.T. -0.000 min
Lab File: BN036926.D
Acq: 28 Apr 2025 13:24

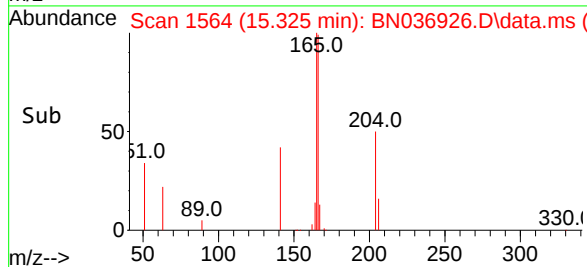
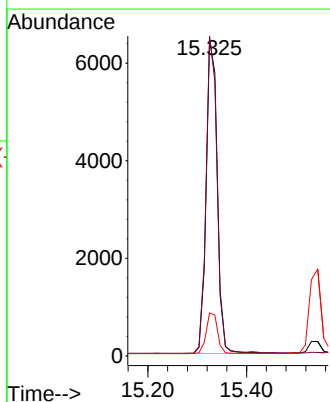
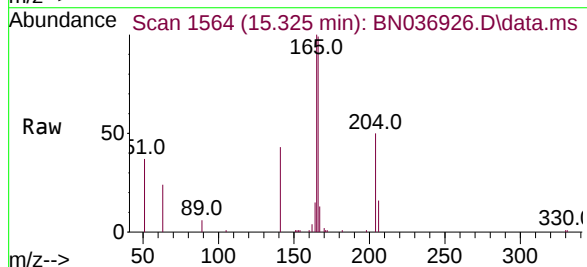
Instrument :
BNA_N
ClientSampleId :
SSTDICC0.8

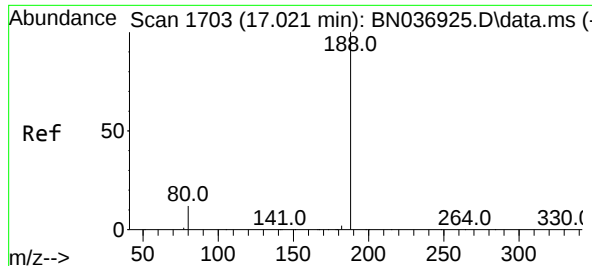
Tgt Ion:154 Resp: 7590
Ion Ratio Lower Upper
154 100
153 117.5 93.4 140.2
152 62.1 49.5 74.3



#18
Fluorene
Concen: 0.795 ng
RT: 15.325 min Scan# 1564
Delta R.T. -0.000 min
Lab File: BN036926.D
Acq: 28 Apr 2025 13:24

Tgt Ion:166 Resp: 10080
Ion Ratio Lower Upper
166 100
165 99.0 80.8 121.2
167 13.4 10.8 16.2





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 17.021 min Scan# 1

Delta R.T. -0.000 min

Lab File: BN036926.D

Acq: 28 Apr 2025 13:24

Instrument :

BNA_N

ClientSampleId :

SSTDICC0.8

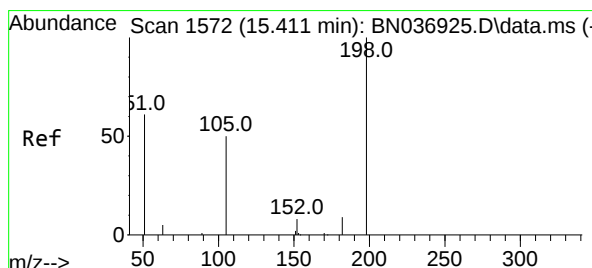
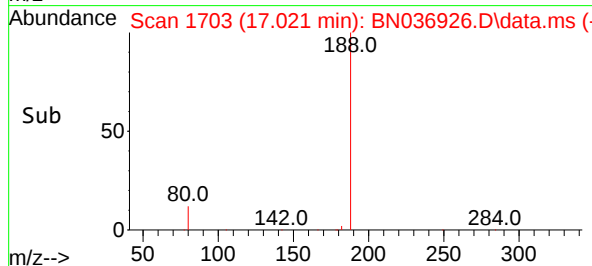
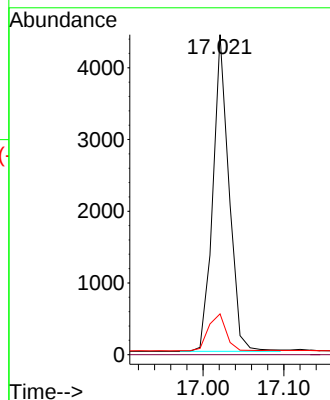
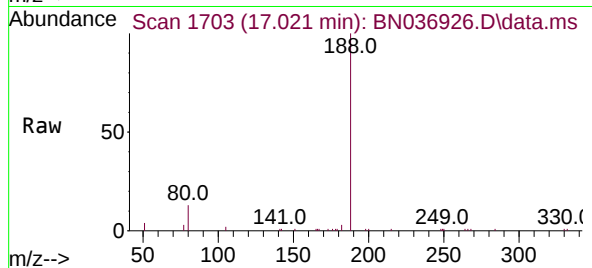
Tgt Ion:188 Resp: 6101

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

80 12.8 10.7 16.1



#20

4,6-Dinitro-2-methylphenol

Concen: 0.763 ng

RT: 15.410 min Scan# 1572

Delta R.T. -0.001 min

Lab File: BN036926.D

Acq: 28 Apr 2025 13:24

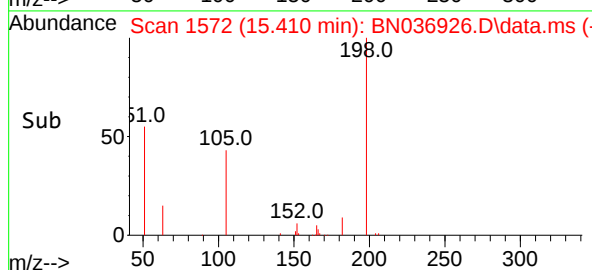
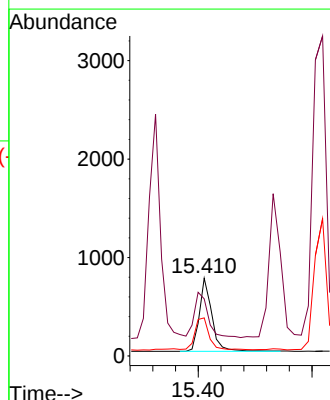
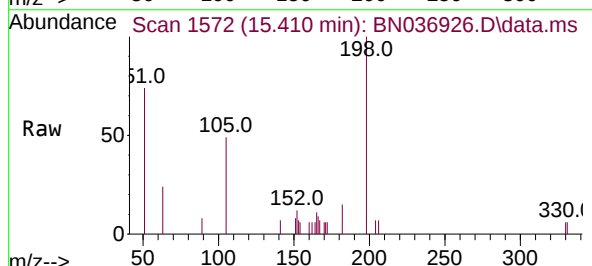
Tgt Ion:198 Resp: 1166

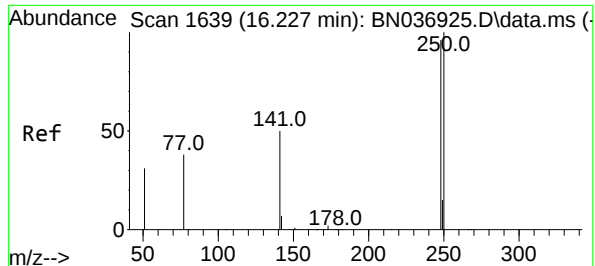
Ion Ratio Lower Upper

198 100

51 73.5 97.9 146.9#

105 48.9 50.0 75.0#

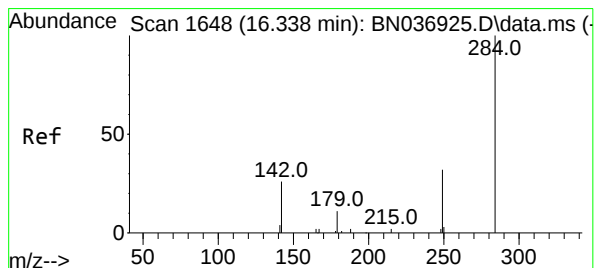
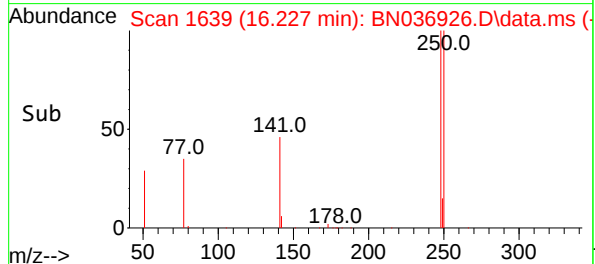
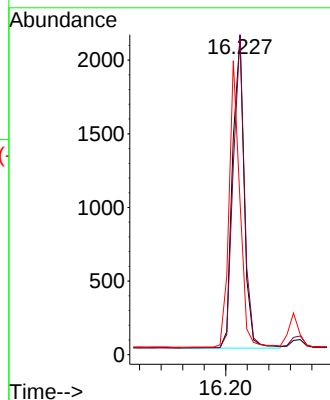
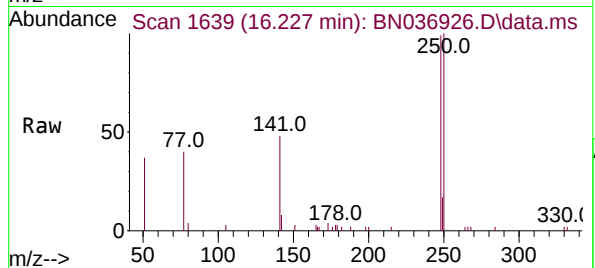




#21
4-Bromophenyl-phenylether
Concen: 0.780 ng
RT: 16.227 min Scan# 1639
Delta R.T. -0.000 min
Lab File: BN036926.D
Acq: 28 Apr 2025 13:24

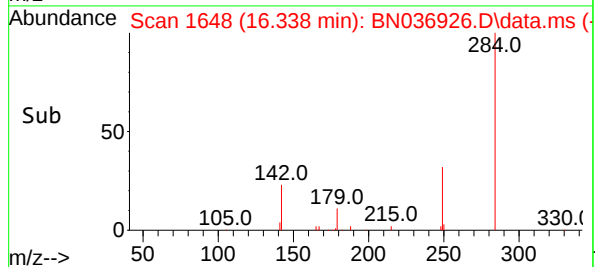
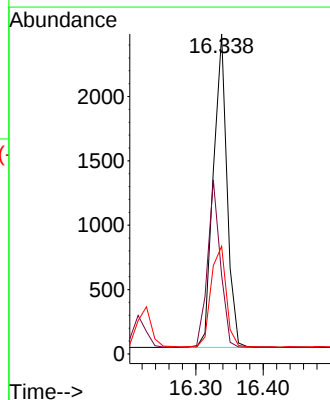
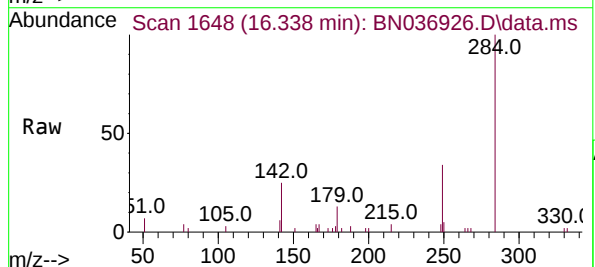
Instrument :
BNA_N
ClientSampleId :
SSTDICC0.8

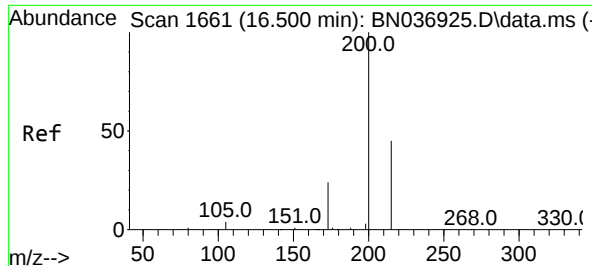
Tgt Ion	Ratio	Lower	Upper
248	100		
250	100.6	83.7	125.5
141	48.1	43.8	65.8



#22
Hexachlorobenzene
Concen: 0.762 ng
RT: 16.338 min Scan# 1648
Delta R.T. -0.000 min
Lab File: BN036926.D
Acq: 28 Apr 2025 13:24

Tgt Ion	Ratio	Lower	Upper
284	100		
142	50.9	40.0	60.0
249	36.1	28.2	42.2

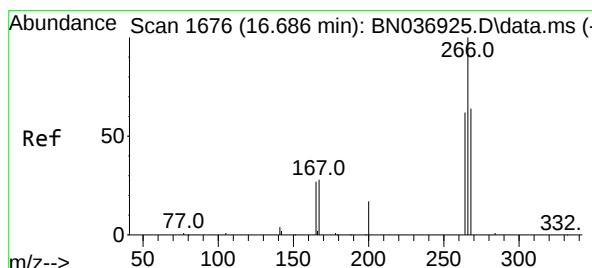
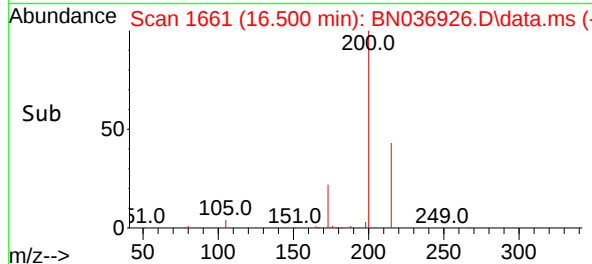
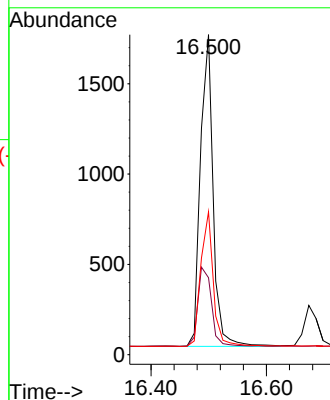
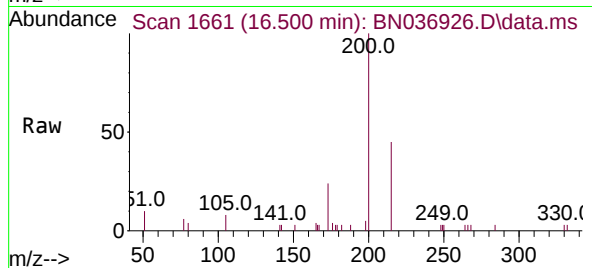




#23
Atrazine
Concen: 0.825 ng
RT: 16.500 min Scan# 1661
Delta R.T. -0.000 min
Lab File: BN036926.D
Acq: 28 Apr 2025 13:24

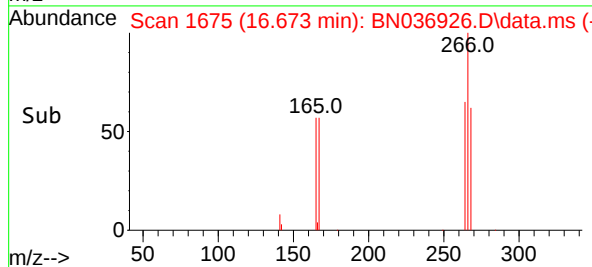
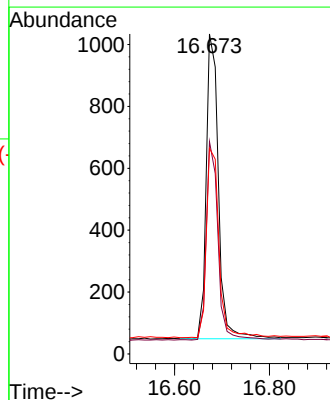
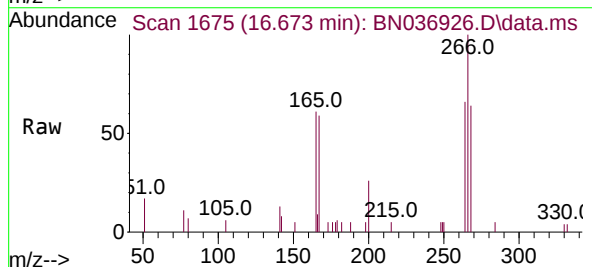
Instrument :
BNA_N
ClientSampleId :
SSTDICC0.8

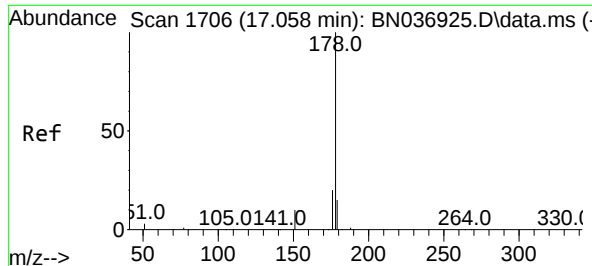
Tgt Ion	200	Resp:	2644
Ion Ratio	Lower	Upper	
200	100		
173	24.0	22.4	33.6
215	44.6	38.6	57.8



#24
Pentachlorophenol
Concen: 0.758 ng
RT: 16.673 min Scan# 1675
Delta R.T. -0.013 min
Lab File: BN036926.D
Acq: 28 Apr 2025 13:24

Tgt Ion	266	Resp:	1767
Ion Ratio	Lower	Upper	
266	100		
264	62.5	49.9	74.9
268	64.1	52.2	78.4

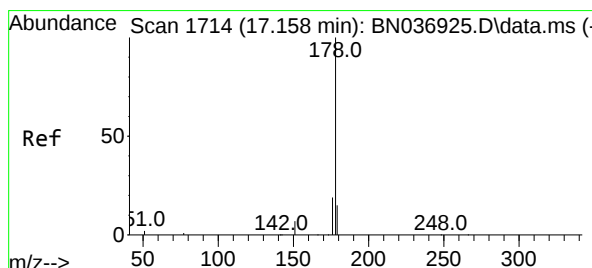
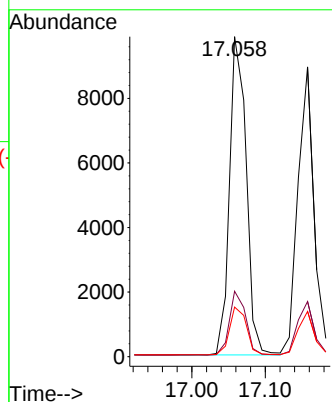
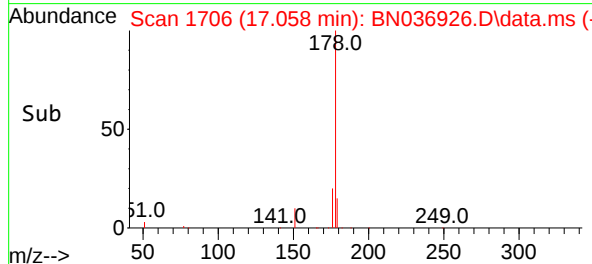
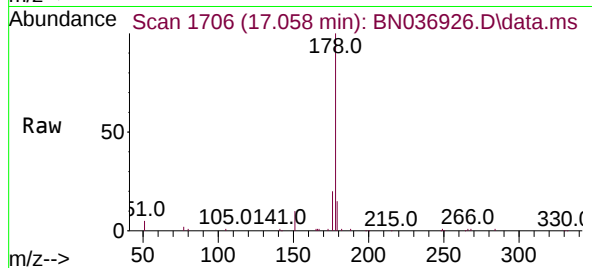




#25
Phenanthrene
Concen: 0.778 ng
RT: 17.058 min Scan# 1706
Delta R.T. -0.000 min
Lab File: BN036926.D
Acq: 28 Apr 2025 13:24

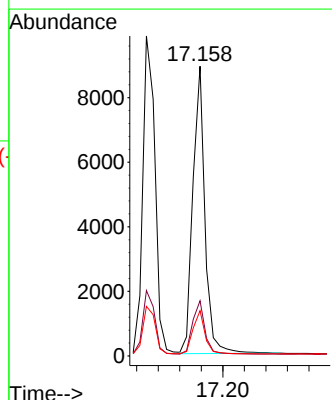
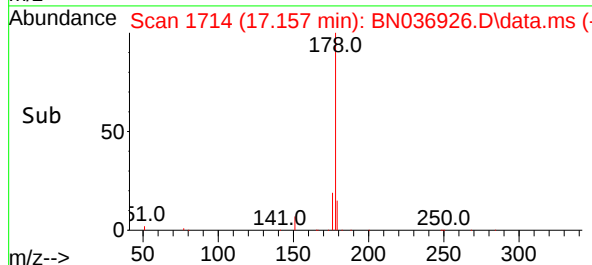
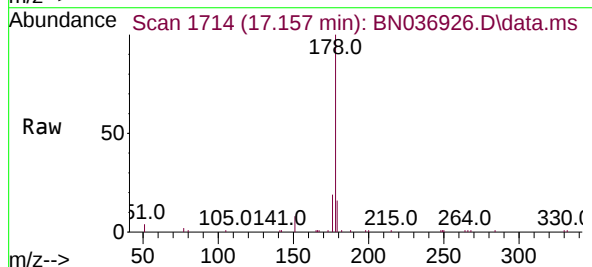
Instrument :
BNA_N
ClientSampleId :
SSTDICC0.8

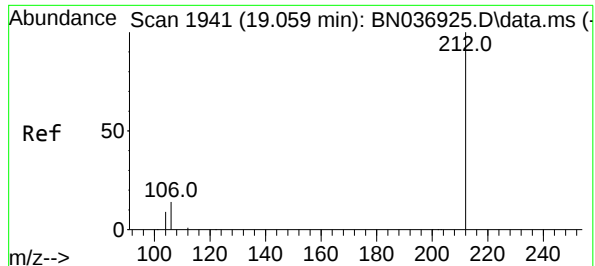
Tgt Ion:178 Resp: 15621
Ion Ratio Lower Upper
178 100
176 19.6 15.7 23.5
179 15.2 12.4 18.6



#26
Anthracene
Concen: 0.774 ng
RT: 17.157 min Scan# 1714
Delta R.T. -0.000 min
Lab File: BN036926.D
Acq: 28 Apr 2025 13:24

Tgt Ion:178 Resp: 13888
Ion Ratio Lower Upper
178 100
176 19.0 15.3 22.9
179 15.1 12.1 18.1





#27

Fluoranthene-d10

Concen: 0.794 ng

RT: 19.059 min Scan# 1941

Delta R.T. -0.000 min

Lab File: BN036926.D

Acq: 28 Apr 2025 13:24

Instrument :

BNA_N

ClientSampleId :

SSTDICC0.8

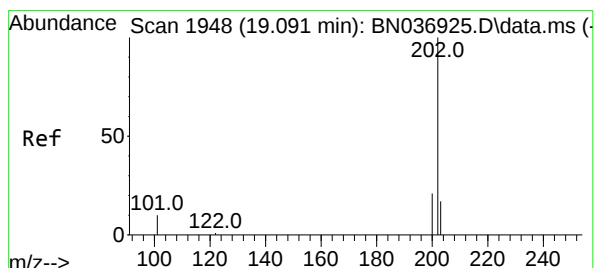
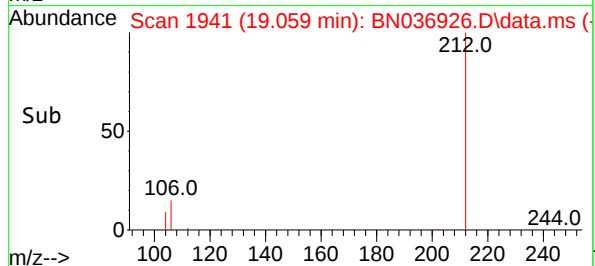
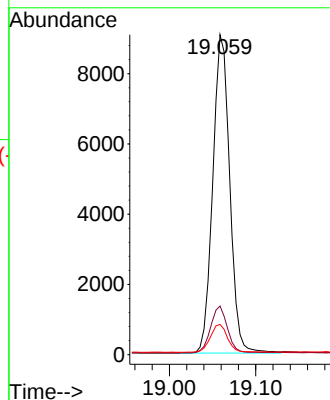
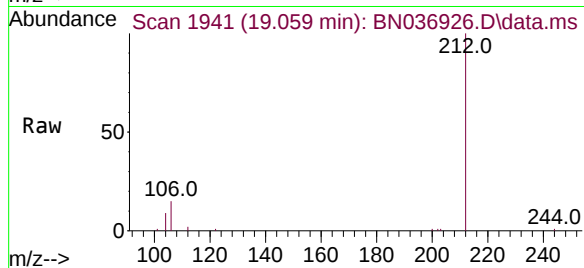
Tgt Ion:212 Resp: 12399

Ion Ratio Lower Upper

212 100

106 14.4 11.6 17.4

104 9.0 7.0 10.4



#28

Fluoranthene

Concen: 0.808 ng

RT: 19.091 min Scan# 1948

Delta R.T. -0.000 min

Lab File: BN036926.D

Acq: 28 Apr 2025 13:24

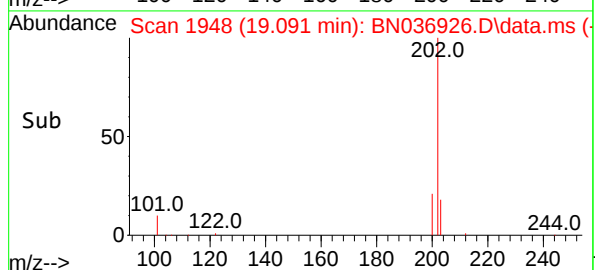
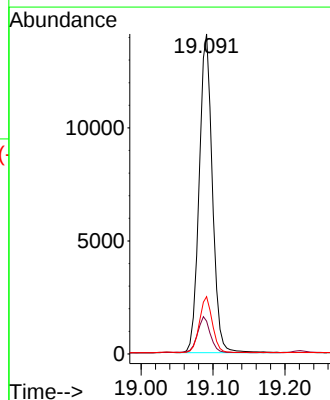
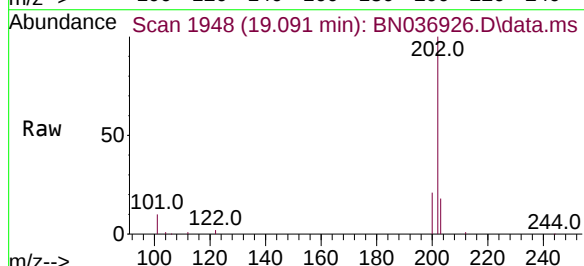
Tgt Ion:202 Resp: 17952

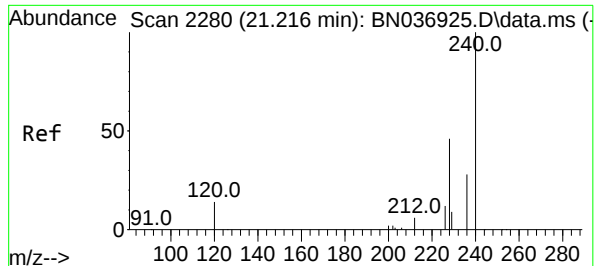
Ion Ratio Lower Upper

202 100

101 11.1 8.5 12.7

203 17.1 13.7 20.5





#29

Chrysene-d12

Concen: 0.400 ng

RT: 21.215 min Scan# 21

Delta R.T. -0.000 min

Lab File: BN036926.D

Acq: 28 Apr 2025 13:24

Instrument :

BNA_N

ClientSampleId :

SSTDICC0.8

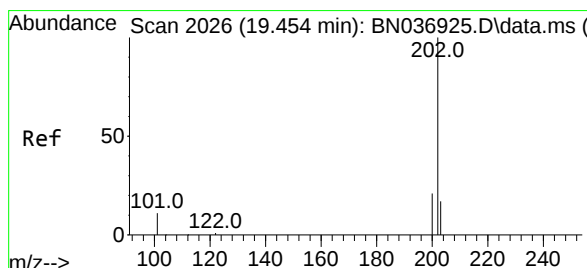
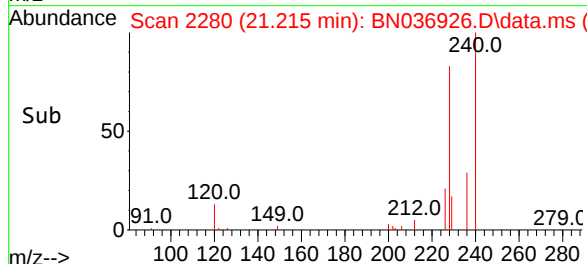
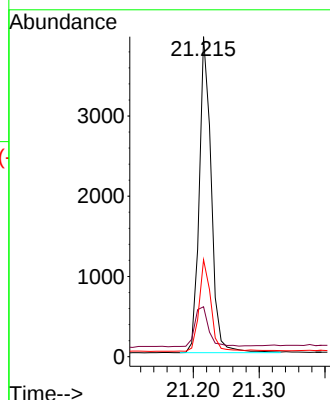
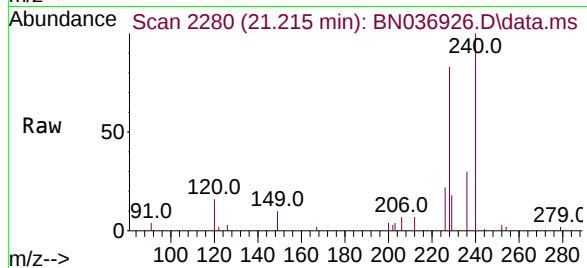
Tgt Ion:240 Resp: 4993

Ion Ratio Lower Upper

240 100

120 15.6 14.1 21.1

236 30.3 23.8 35.8



#30

Pyrene

Concen: 0.741 ng

RT: 19.453 min Scan# 2026

Delta R.T. -0.000 min

Lab File: BN036926.D

Acq: 28 Apr 2025 13:24

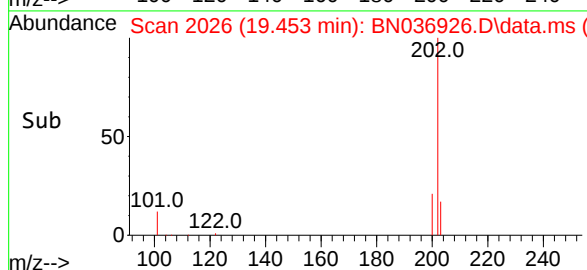
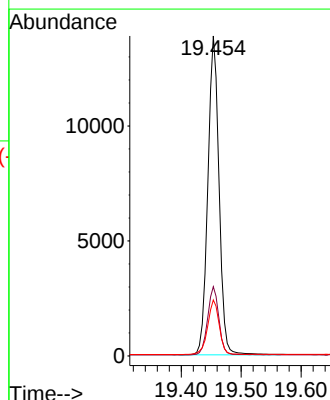
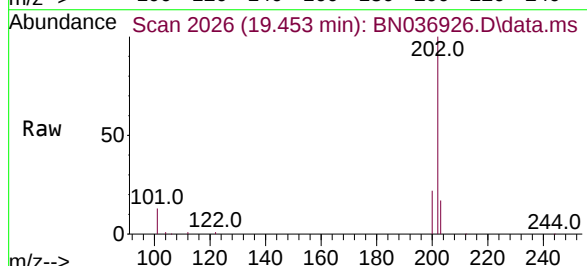
Tgt Ion:202 Resp: 17990

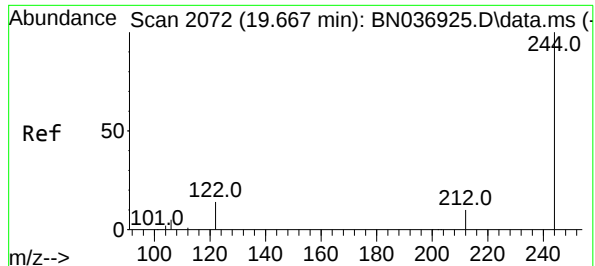
Ion Ratio Lower Upper

202 100

200 21.4 17.0 25.6

203 17.7 14.0 21.0

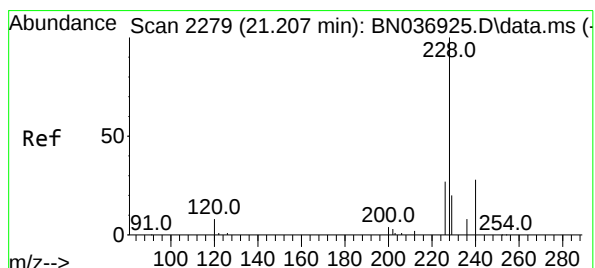
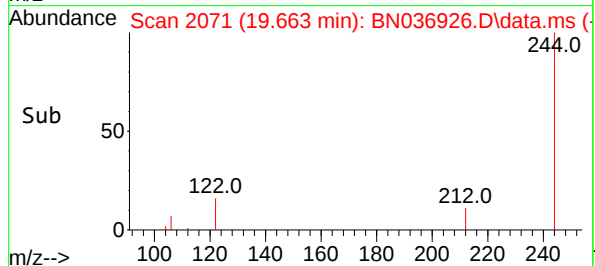
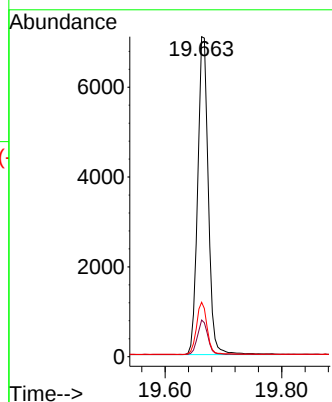
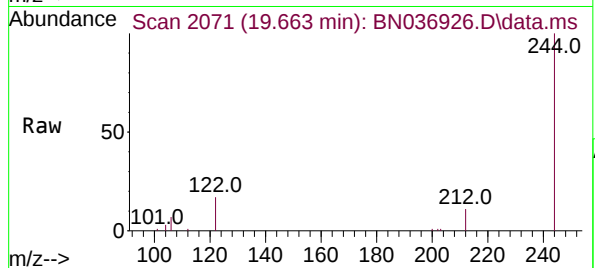




#31
Terphenyl-d14
Concen: 0.750 ng
RT: 19.663 min Scan# 2071
Delta R.T. -0.005 min
Lab File: BN036926.D
Acq: 28 Apr 2025 13:24

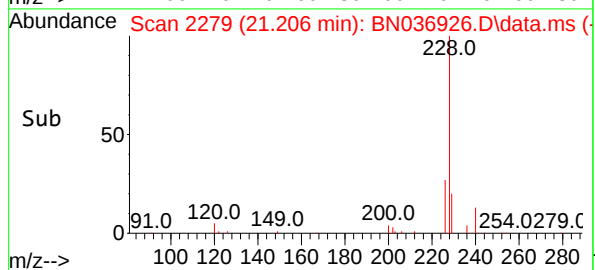
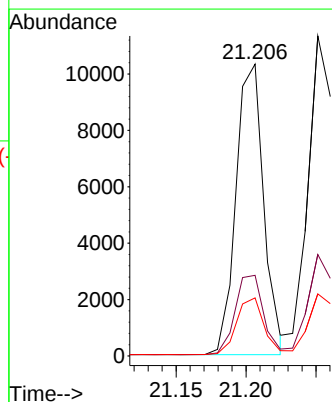
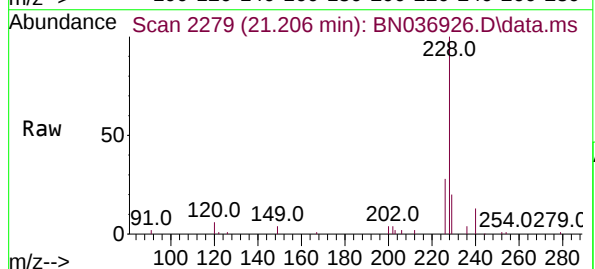
Instrument :
BNA_N
ClientSampleId :
SSTDICC0.8

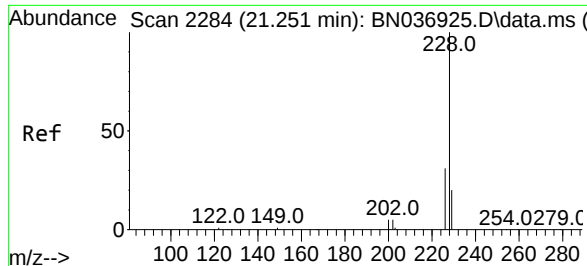
Tgt Ion:244 Resp: 8916
Ion Ratio Lower Upper
244 100
212 11.4 9.6 14.4
122 17.0 12.7 19.1



#32
Benzo(a)anthracene
Concen: 0.780 ng
RT: 21.206 min Scan# 2279
Delta R.T. -0.000 min
Lab File: BN036926.D
Acq: 28 Apr 2025 13:24

Tgt Ion:228 Resp: 14201
Ion Ratio Lower Upper
228 100
226 27.7 22.2 33.4
229 19.9 16.4 24.6





#33

Chrysene

Concen: 0.792 ng

RT: 21.251 min Scan# 21

Delta R.T. -0.000 min

Lab File: BN036926.D

Acq: 28 Apr 2025 13:24

Instrument :

BNA_N

ClientSampleId :

SSTDICC0.8

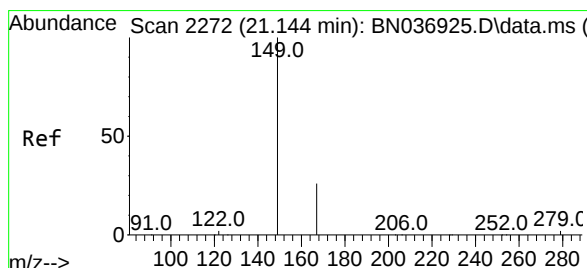
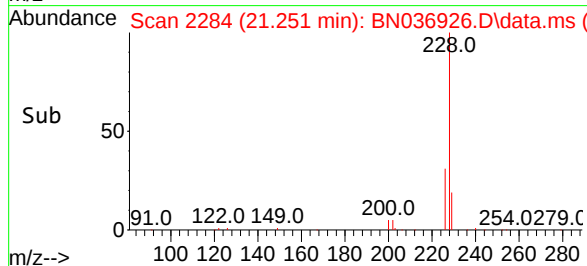
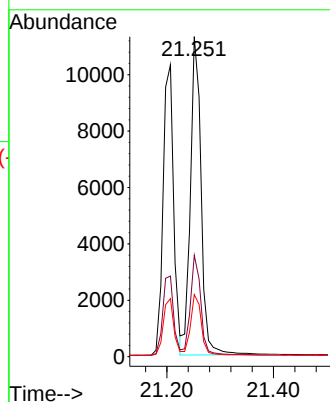
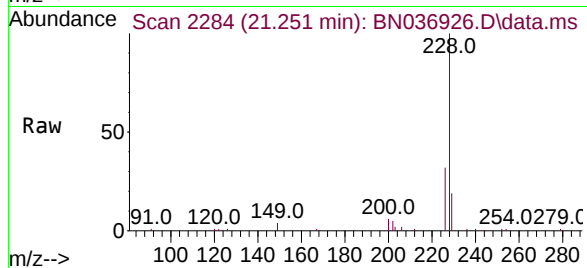
Tgt Ion:228 Resp: 15802

Ion Ratio Lower Upper

228 100

226 31.7 25.5 38.3

229 19.4 16.5 24.7



#34

Bis(2-ethylhexyl)phthalate

Concen: 0.753 ng

RT: 21.144 min Scan# 2272

Delta R.T. -0.000 min

Lab File: BN036926.D

Acq: 28 Apr 2025 13:24

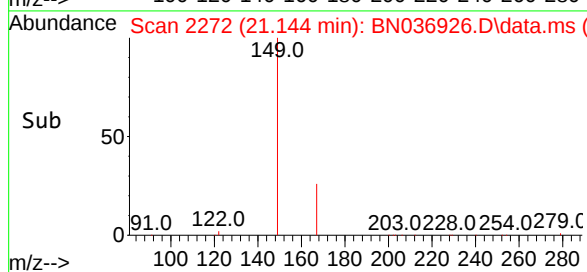
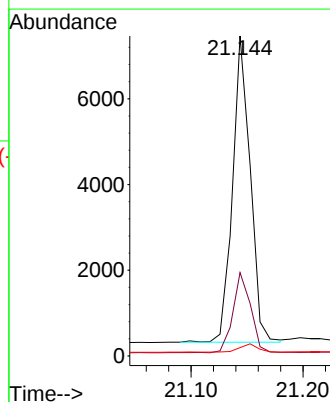
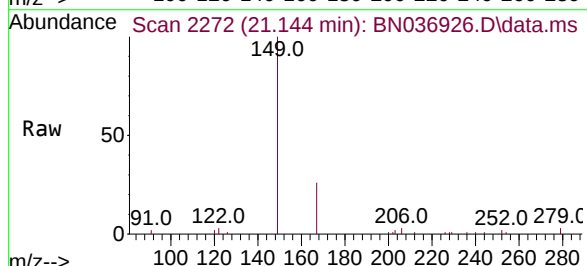
Tgt Ion:149 Resp: 7831

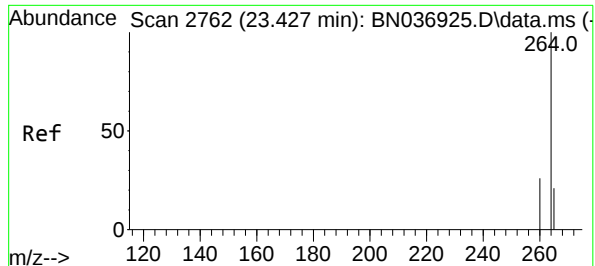
Ion Ratio Lower Upper

149 100

167 26.1 21.0 31.6

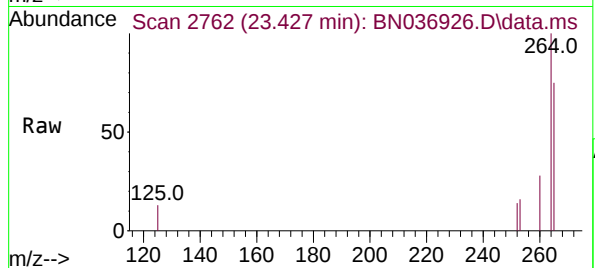
279 2.7 2.7 4.1#



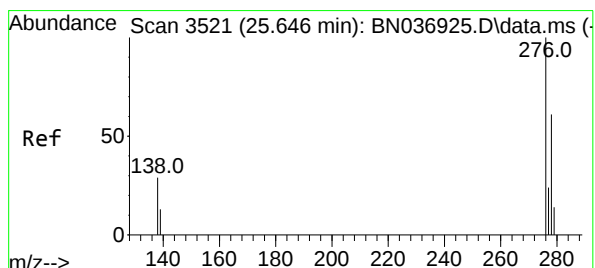
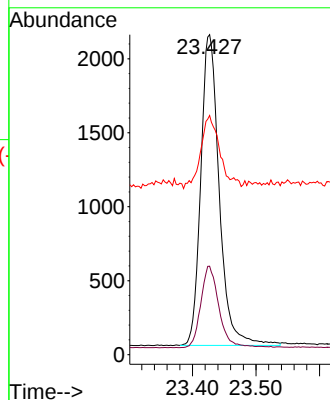
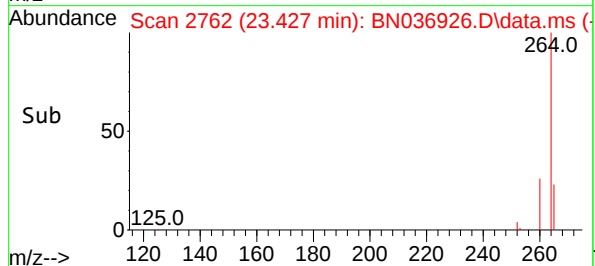


#35
Perylene-d12
Concen: 0.400 ng
RT: 23.427 min Scan# 21
Delta R.T. -0.000 min
Lab File: BN036926.D
Acq: 28 Apr 2025 13:24

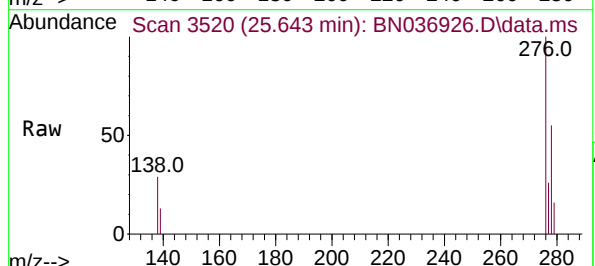
Instrument :
BNA_N
ClientSampleId :
SSTDICC0.8



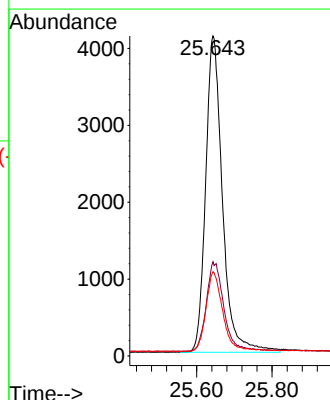
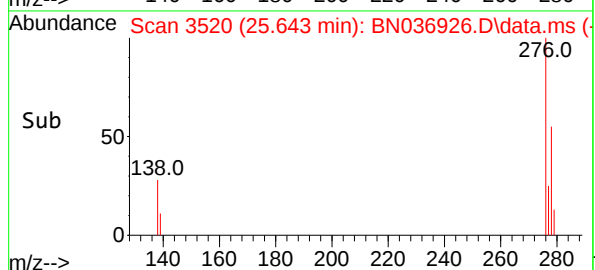
Tgt Ion:264 Resp: 4243
Ion Ratio Lower Upper
264 100
260 27.6 22.2 33.2
265 74.8 65.8 98.6

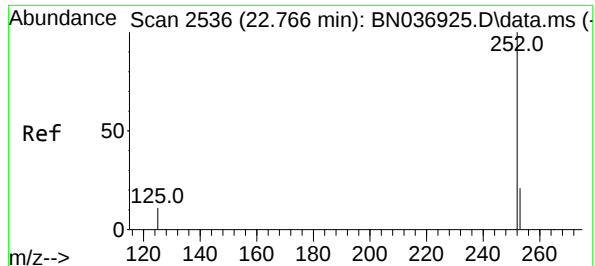


#36
Indeno(1,2,3-cd)pyrene
Concen: 0.734 ng
RT: 25.643 min Scan# 3520
Delta R.T. -0.003 min
Lab File: BN036926.D
Acq: 28 Apr 2025 13:24



Tgt Ion:276 Resp: 12758
Ion Ratio Lower Upper
276 100
138 28.8 23.0 34.6
277 25.0 20.0 30.0





#37

Benzo(b)fluoranthene

Concen: 0.786 ng

RT: 22.766 min Scan# 2536

Delta R.T. -0.000 min

Lab File: BN036926.D

Acq: 28 Apr 2025 13:24

Instrument :

BNA_N

ClientSampleId :

SSTDICC0.8

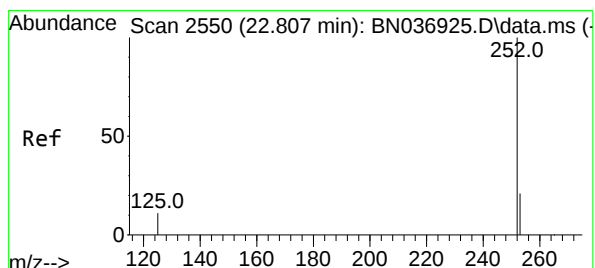
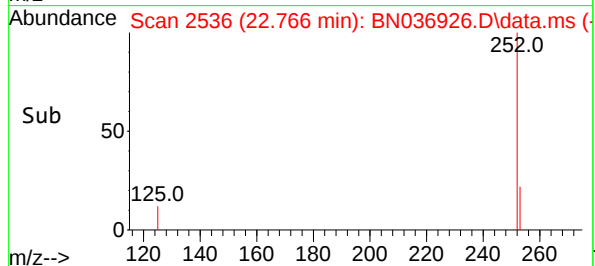
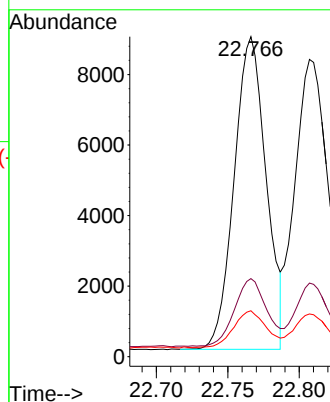
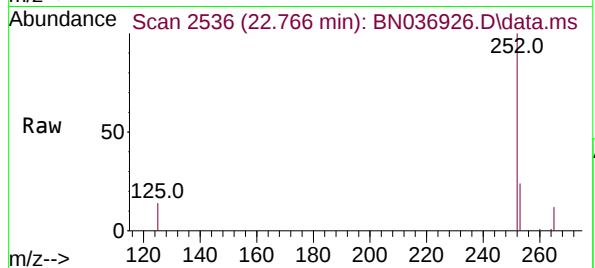
Tgt Ion:252 Resp: 13818

Ion Ratio Lower Upper

252 100

253 24.4 22.1 33.1

125 14.3 14.2 21.2



#38

Benzo(k)fluoranthene

Concen: 0.783 ng

RT: 22.807 min Scan# 2550

Delta R.T. -0.000 min

Lab File: BN036926.D

Acq: 28 Apr 2025 13:24

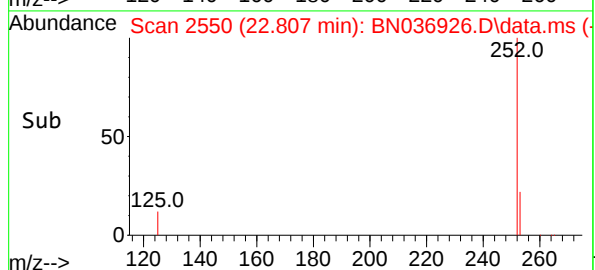
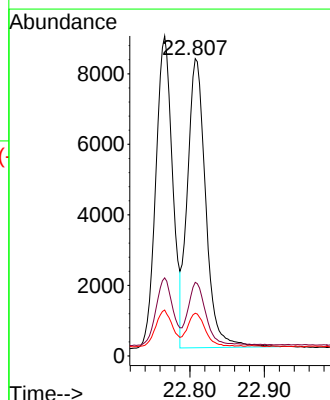
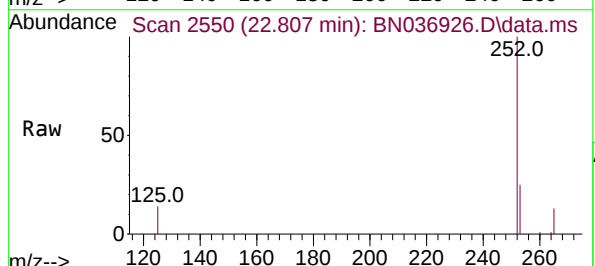
Tgt Ion:252 Resp: 13927

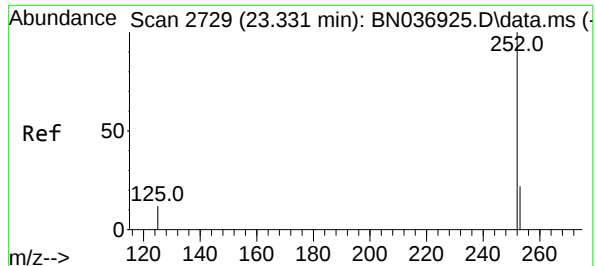
Ion Ratio Lower Upper

252 100

253 24.8 22.8 34.2

125 14.4 14.2 21.2





#39

Benzo(a)pyrene

Concen: 0.770 ng

RT: 23.330 min Scan# 21

Delta R.T. -0.000 min

Lab File: BN036926.D

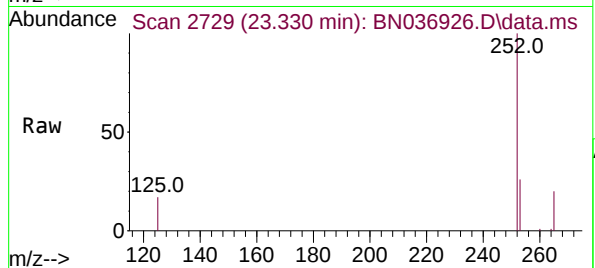
Acq: 28 Apr 2025 13:24

Instrument :

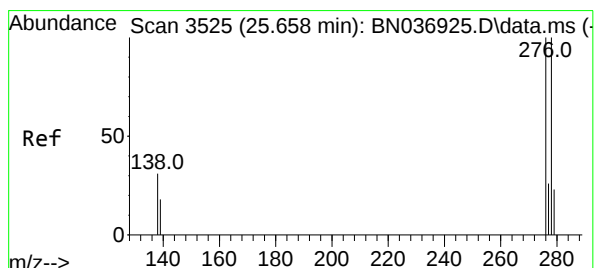
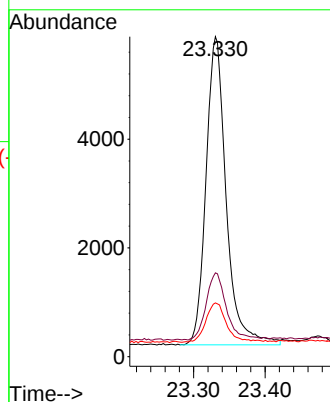
BNA_N

ClientSampleId :

SSTDICC0.8



Tgt Ion:	252	Resp:	11160
Ion	Ratio	Lower	Upper
252	100		
253	26.2	25.9	38.9
125	16.8	17.4	26.0



#40

Dibenzo(a,h)anthracene

Concen: 0.730 ng

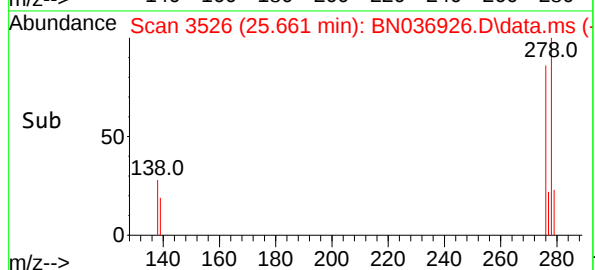
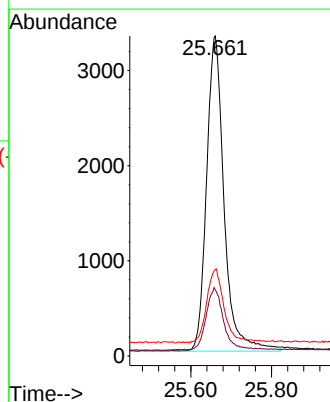
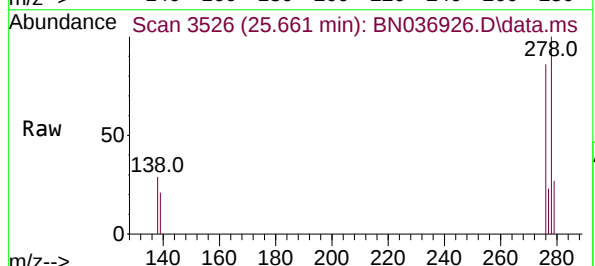
RT: 25.661 min Scan# 3526

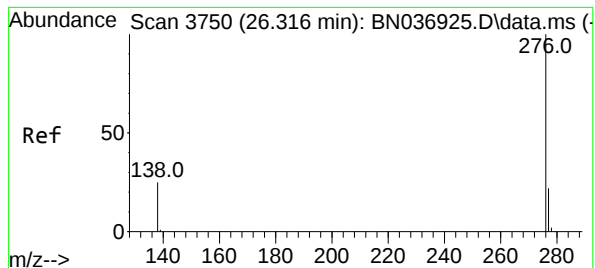
Delta R.T. 0.003 min

Lab File: BN036926.D

Acq: 28 Apr 2025 13:24

Tgt Ion:	278	Resp:	9982
Ion	Ratio	Lower	Upper
278	100		
139	20.7	17.4	26.2
279	27.0	24.9	37.3





#41

Benzo(g,h,i)perylene

Concen: 0.724 ng

RT: 26.321 min Scan# 31

Delta R.T. 0.006 min

Lab File: BN036926.D

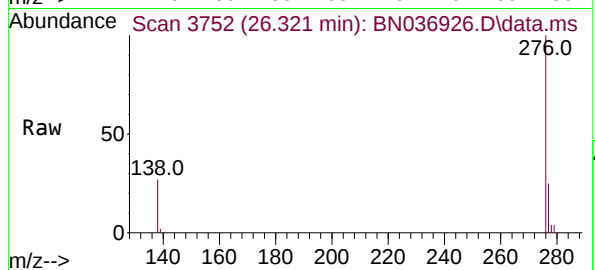
Acq: 28 Apr 2025 13:24

Instrument :

BNA_N

ClientSampleId :

SSTDICC0.8



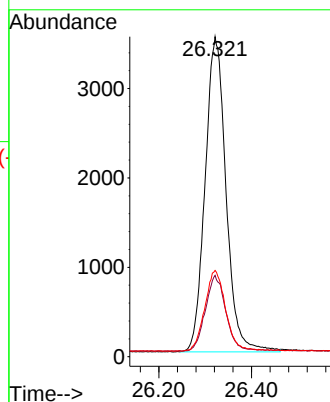
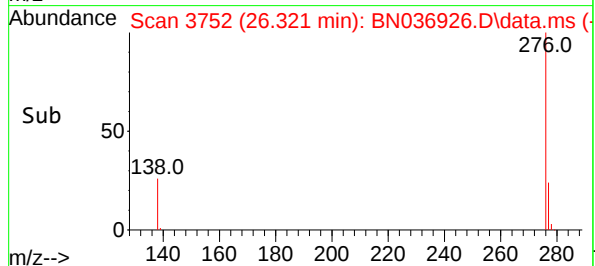
Tgt Ion:276 Resp: 11072

Ion Ratio Lower Upper

276 100

277 25.4 20.2 30.2

138 27.0 21.9 32.9



Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN042825\
 Data File : BN036927.D
 Acq On : 28 Apr 2025 14:00
 Operator : RC/JU
 Sample : SSTDICC1.6
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 SSTDICC1.6

Quant Time: Apr 28 15:13:40 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN042825.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Apr 28 15:11:09 2025
 Response via : Initial Calibration

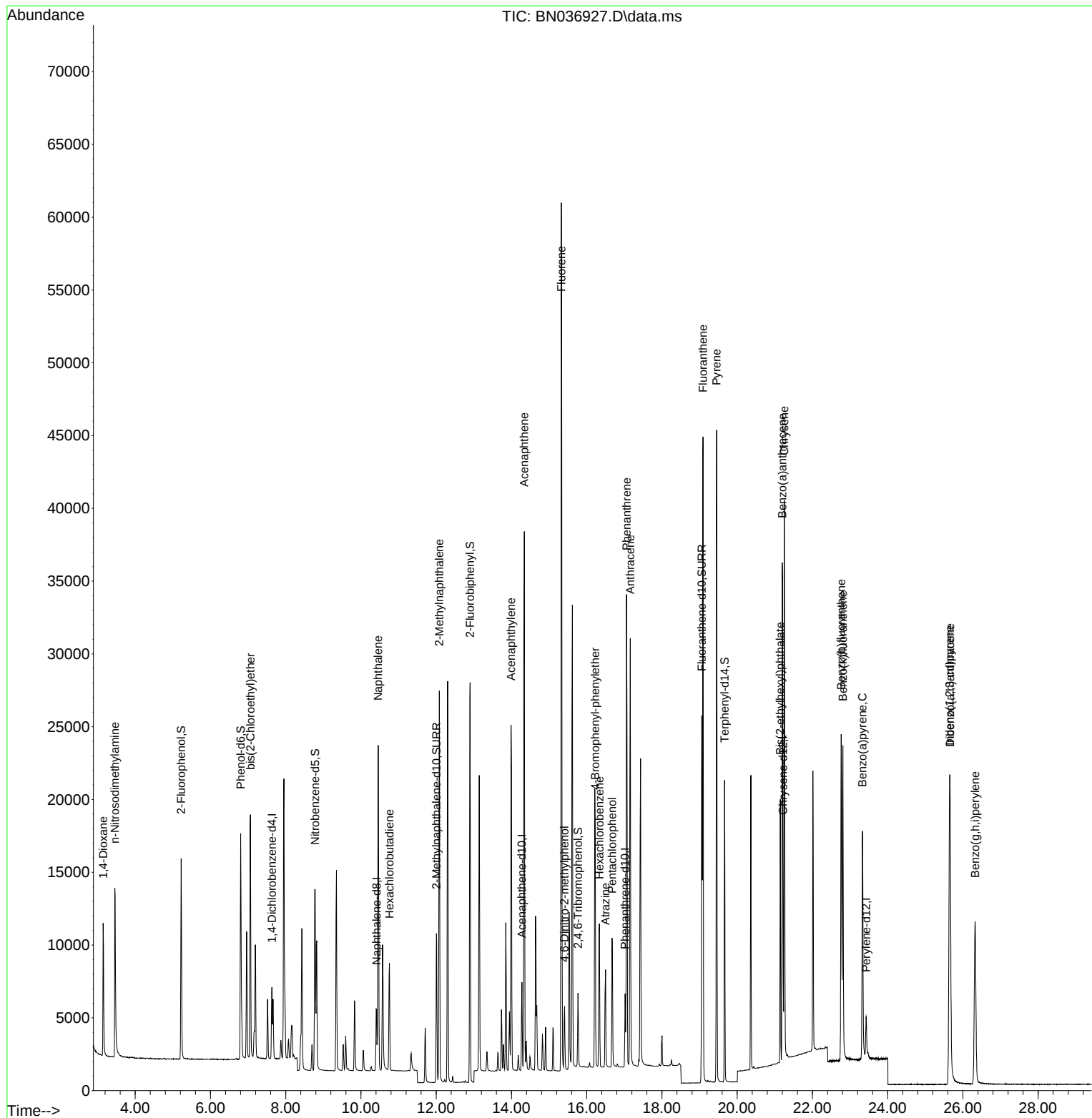
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.633	152	2241	0.400	ng	0.00
7) Naphthalene-d8	10.415	136	5594	0.400	ng	0.00
13) Acenaphthene-d10	14.277	164	3185	0.400	ng	0.00
19) Phenanthrene-d10	17.021	188	6118	0.400	ng	0.00
29) Chrysene-d12	21.215	240	4605	0.400	ng	0.00
35) Perylene-d12	23.427	264	3734	0.400	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.220	112	9327	1.613	ng	0.00
5) Phenol-d6	6.802	99	11600	1.647	ng	0.00
8) Nitrobenzene-d5	8.781	82	9972	1.716	ng	0.00
11) 2-Methylnaphthalene-d10	12.006	152	13343	1.720	ng	0.00
14) 2,4,6-Tribromophenol	15.767	330	2388	1.711	ng	0.00
15) 2-Fluorobiphenyl	12.898	172	25773	1.673	ng	0.00
27) Fluoranthene-d10	19.059	212	26603	1.699	ng	0.00
31) Terphenyl-d14	19.667	244	18514	1.689	ng	0.00
Target Compounds						
2) 1,4-Dioxane	3.148	88	4813	1.701	ng	96
3) n-Nitrosodimethylamine	3.458	42	9269	1.696	ng	# 98
6) bis(2-Chloroethyl)ether	7.062	93	11118	1.699	ng	99
9) Naphthalene	10.458	128	27421	1.684	ng	98
10) Hexachlorobutadiene	10.756	225	5873	1.655	ng	# 98
12) 2-Methylnaphthalene	12.082	142	17991	1.727	ng	99
16) Acenaphthylene	13.988	152	26335	1.708	ng	100
17) Acenaphthene	14.341	154	16981	1.665	ng	99
18) Fluorene	15.325	166	22781	1.715	ng	98
20) 4,6-Dinitro-2-methylph...	15.410	198	2759	1.800	ng	# 58
21) 4-Bromophenyl-phenylether	16.226	248	6907	1.695	ng	95
22) Hexachlorobenzene	16.338	284	7427	1.650	ng	99
23) Atrazine	16.500	200	5555	1.729	ng	93
24) Pentachlorophenol	16.673	266	3995	1.710	ng	98
25) Phenanthrene	17.058	178	33948	1.687	ng	99
26) Anthracene	17.157	178	31205	1.734	ng	100
28) Fluoranthene	19.091	202	38607	1.732	ng	99
30) Pyrene	19.453	202	38176	1.706	ng	100
32) Benzo(a)anthracene	21.197	228	29164	1.737	ng	98
33) Chrysene	21.251	228	31322	1.703	ng	98
34) Bis(2-ethylhexyl)phtha...	21.144	149	14810	1.544	ng	99
36) Indeno(1,2,3-cd)pyrene	25.643	276	25695	1.681	ng	99
37) Benzo(b)fluoranthene	22.763	252	26826	1.733	ng	# 91
38) Benzo(k)fluoranthene	22.807	252	27065	1.730	ng	# 90
39) Benzo(a)pyrene	23.330	252	21844	1.712	ng	# 85
40) Dibenzo(a,h)anthracene	25.658	278	20274	1.685	ng	# 92
41) Benzo(g,h,i)perylene	26.324	276	22323	1.659	ng	97

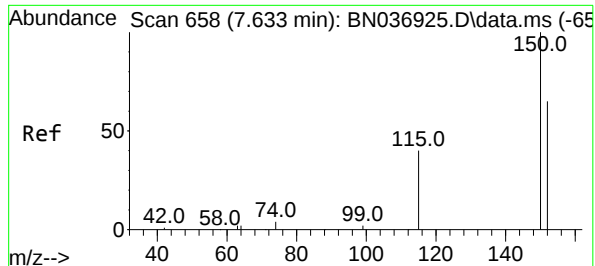
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN042825\
Data File : BN036927.D
Acq On : 28 Apr 2025 14:00
Operator : RC/JU
Sample : SSTDICC1.6
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
SSTDICC1.6

Quant Time: Apr 28 15:13:40 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN042825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Apr 28 15:11:09 2025
Response via : Initial Calibration

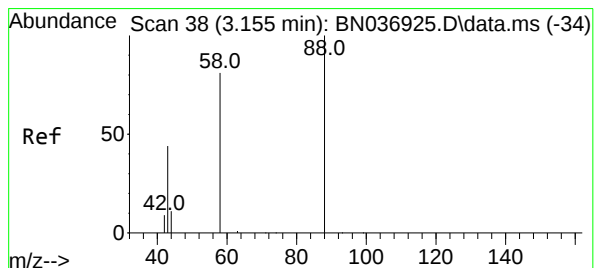
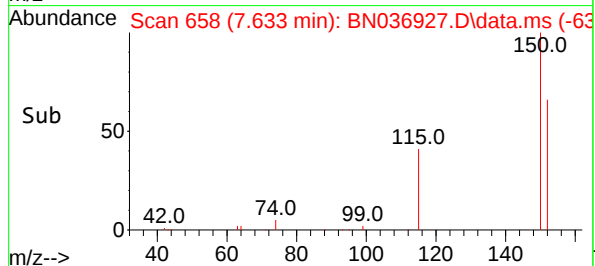
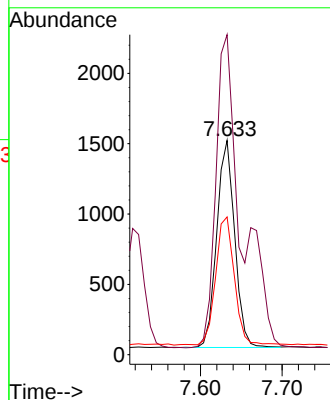
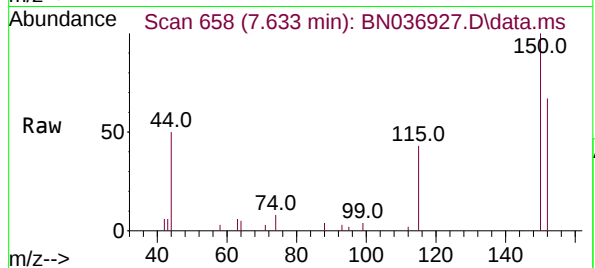




#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.633 min Scan# 61
Delta R.T. -0.000 min
Lab File: BN036927.D
Acq: 28 Apr 2025 14:00

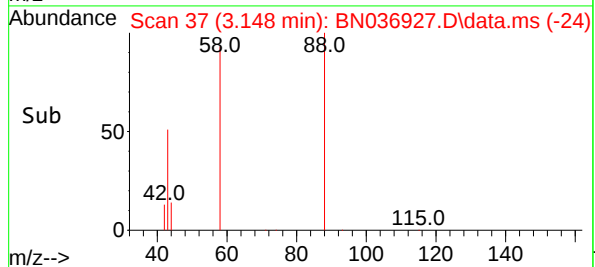
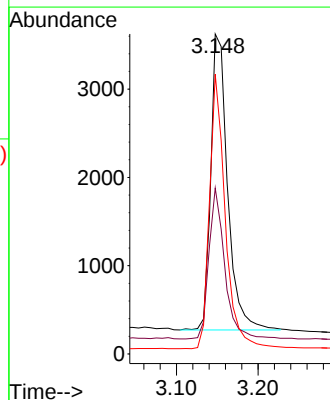
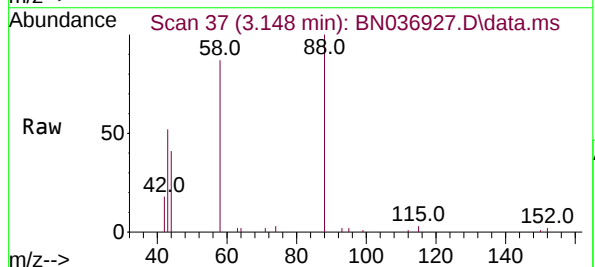
Instrument :
BNA_N
ClientSampleId :
SSTDICC1.6

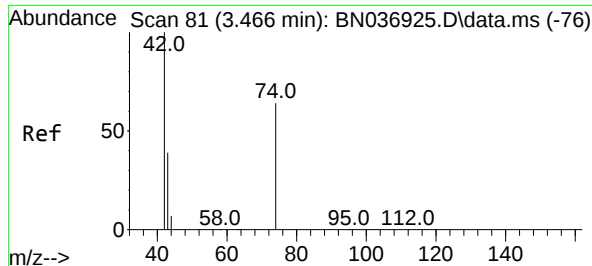
Tgt Ion:152 Resp: 2241
Ion Ratio Lower Upper
152 100
150 149.4 121.1 181.7
115 64.3 51.8 77.6



#2
1,4-Dioxane
Concen: 1.701 ng
RT: 3.148 min Scan# 37
Delta R.T. -0.007 min
Lab File: BN036927.D
Acq: 28 Apr 2025 14:00

Tgt Ion: 88 Resp: 4813
Ion Ratio Lower Upper
88 100
43 48.0 37.9 56.9
58 86.9 65.8 98.6

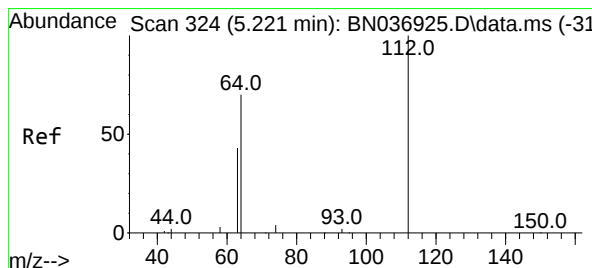
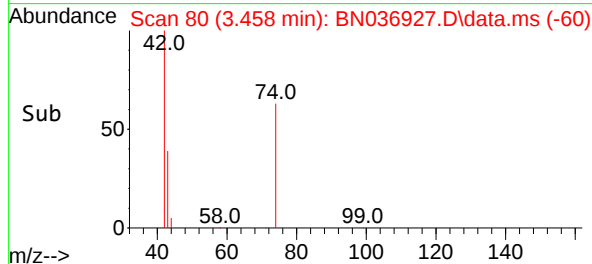
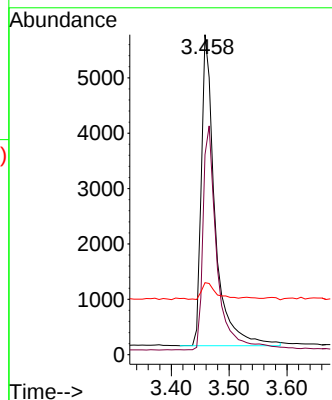
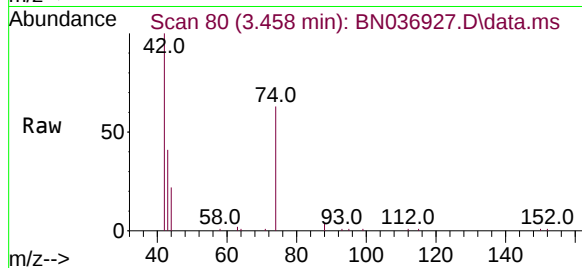




#3
n-Nitrosodimethylamine
Concen: 1.696 ng
RT: 3.458 min Scan# 80
Delta R.T. -0.007 min
Lab File: BN036927.D
Acq: 28 Apr 2025 14:00

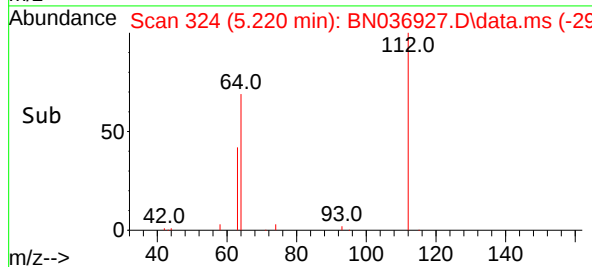
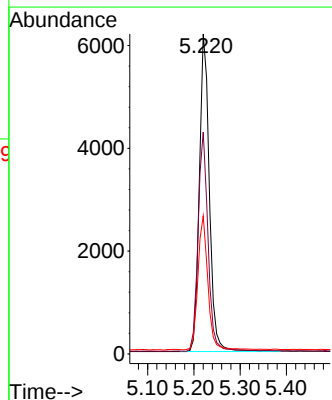
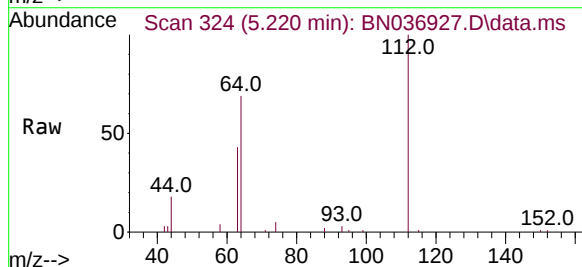
Instrument :
BNA_N
ClientSampleId :
SSTDICC1.6

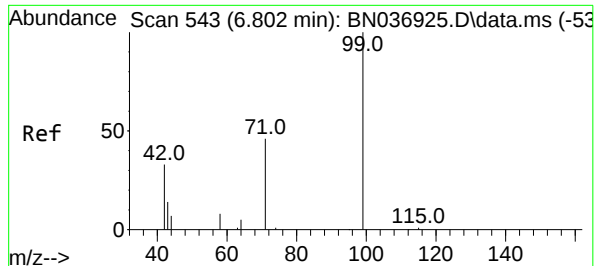
Tgt Ion: 42 Resp: 9269
Ion Ratio Lower Upper
42 100
74 73.6 59.9 89.9
44 5.5 7.5 11.3#



#4
2-Fluorophenol
Concen: 1.613 ng
RT: 5.220 min Scan# 324
Delta R.T. -0.000 min
Lab File: BN036927.D
Acq: 28 Apr 2025 14:00

Tgt Ion: 112 Resp: 9327
Ion Ratio Lower Upper
112 100
64 68.9 55.7 83.5
63 42.2 33.9 50.9

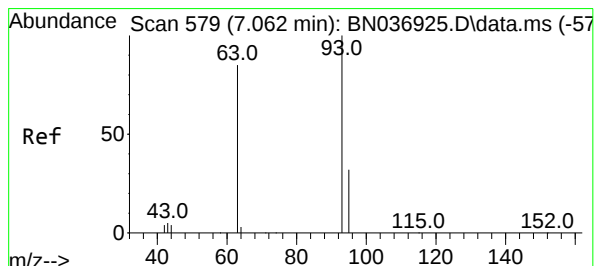
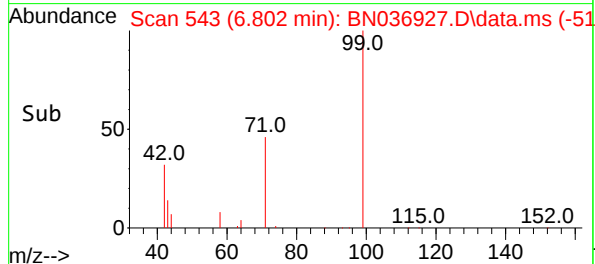
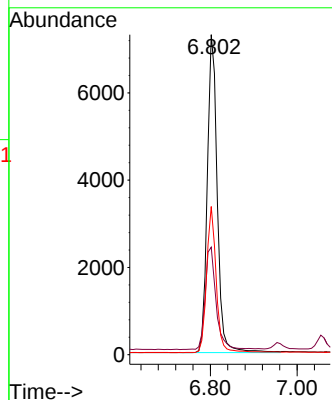
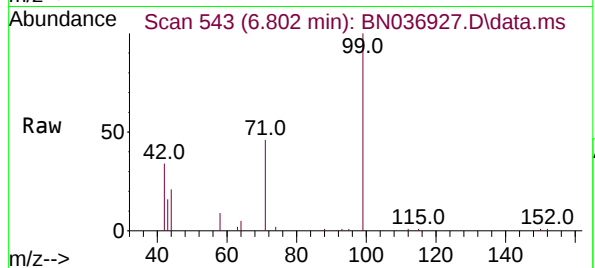




#5
Phenol-d6
Concen: 1.647 ng
RT: 6.802 min Scan# 543
Delta R.T. -0.000 min
Lab File: BN036927.D
Acq: 28 Apr 2025 14:00

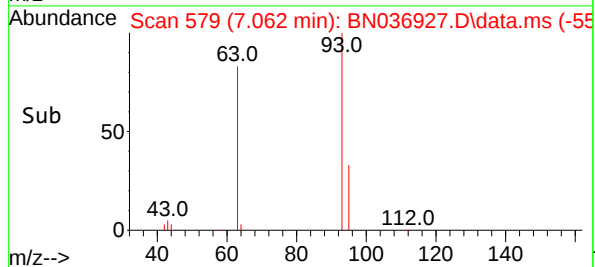
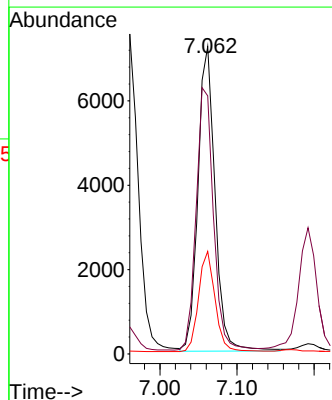
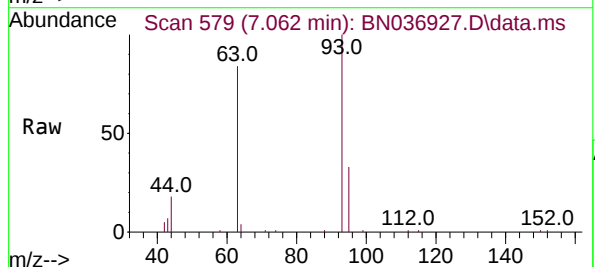
Instrument :
BNA_N
ClientSampleId :
SSTDICC1.6

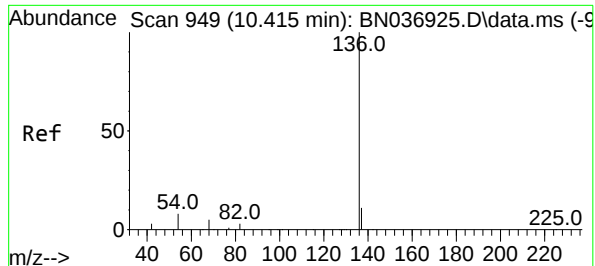
Tgt Ion: 99 Resp: 11600
Ion Ratio Lower Upper
99 100
42 35.3 29.6 44.4
71 44.4 36.0 54.0



#6
bis(2-Chloroethyl)ether
Concen: 1.699 ng
RT: 7.062 min Scan# 579
Delta R.T. -0.000 min
Lab File: BN036927.D
Acq: 28 Apr 2025 14:00

Tgt Ion: 93 Resp: 11118
Ion Ratio Lower Upper
93 100
63 87.5 69.0 103.6
95 31.9 25.4 38.0

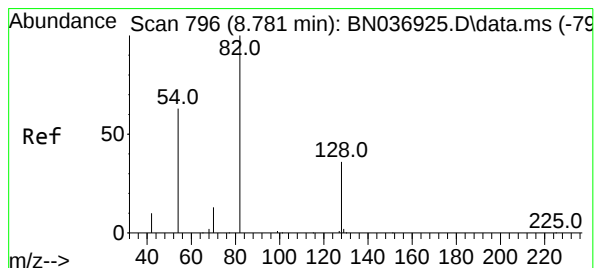
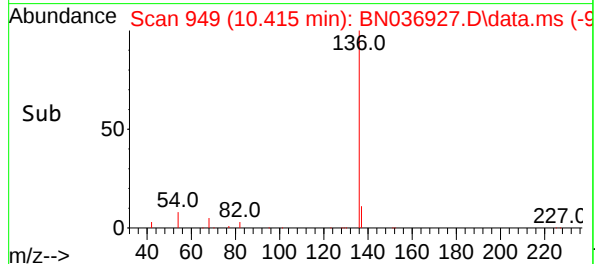
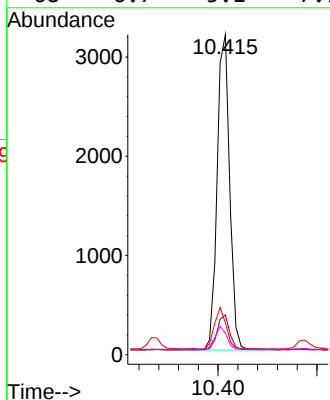
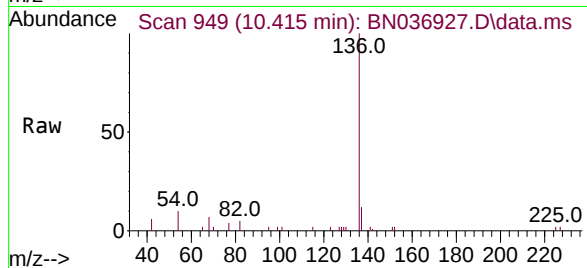




#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.415 min Scan# 949
Delta R.T. -0.000 min
Lab File: BN036927.D
Acq: 28 Apr 2025 14:00

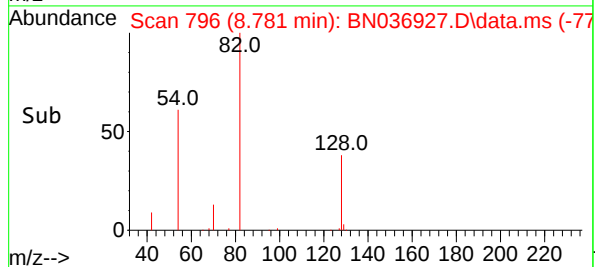
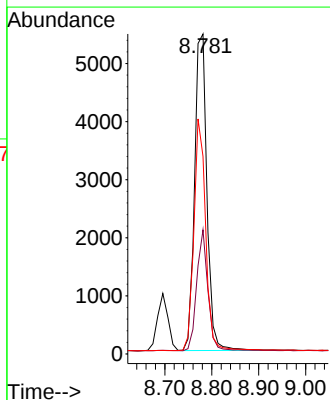
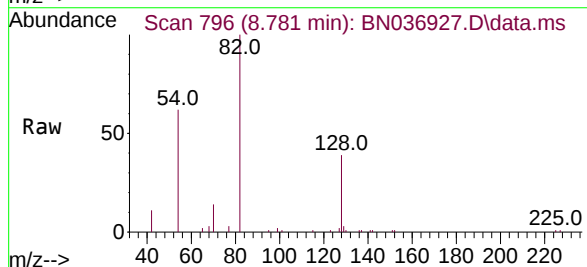
Instrument :
BNA_N
ClientSampleId :
SSTDICC1.6

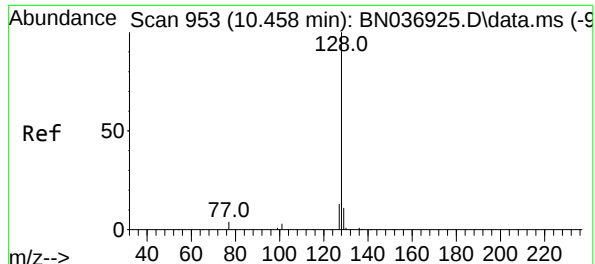
Tgt Ion:	136	Resp:	5594
Ion	Ratio	Lower	Upper
136	100		
137	12.4	9.7	14.5
54	10.0	8.0	12.0
68	6.7	5.1	7.7



#8
Nitrobenzene-d5
Concen: 1.716 ng
RT: 8.781 min Scan# 796
Delta R.T. -0.000 min
Lab File: BN036927.D
Acq: 28 Apr 2025 14:00

Tgt Ion:	82	Resp:	9972
Ion	Ratio	Lower	Upper
82	100		
128	38.8	30.7	46.1
54	61.8	52.1	78.1

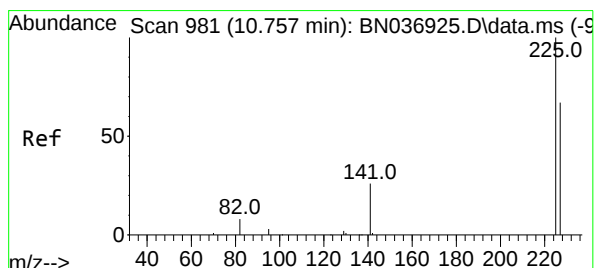
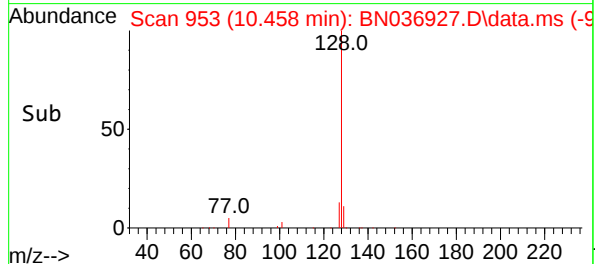
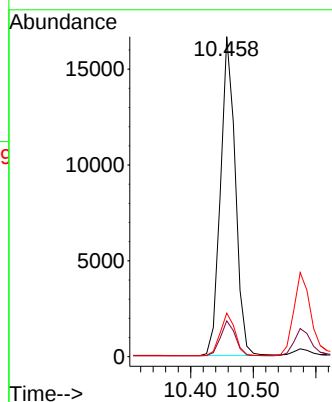
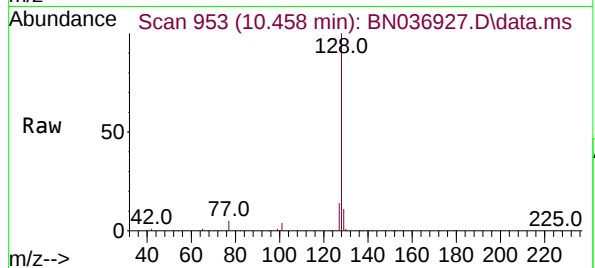




#9
Naphthalene
Concen: 1.684 ng
RT: 10.458 min Scan# 91
Delta R.T. -0.000 min
Lab File: BN036927.D
Acq: 28 Apr 2025 14:00

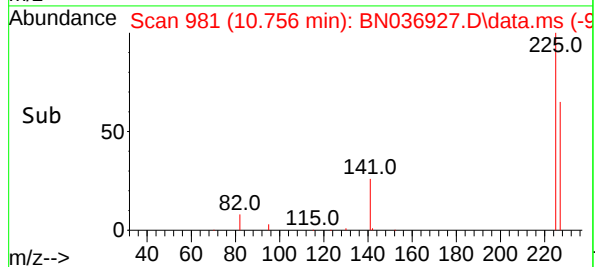
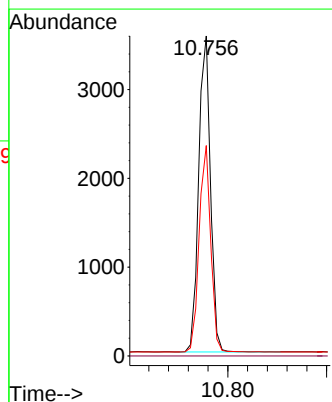
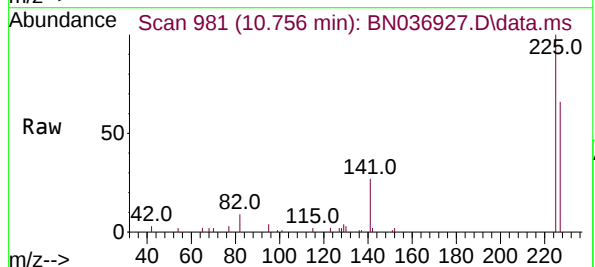
Instrument :
BNA_N
ClientSampleId :
SSTDICC1.6

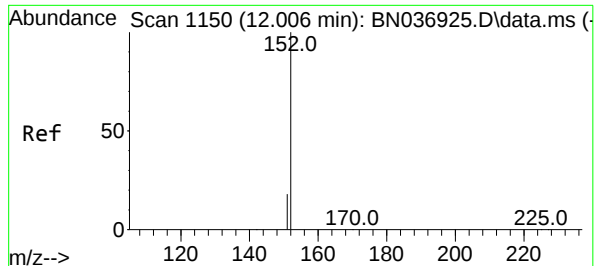
Tgt Ion:128 Resp: 27421
Ion Ratio Lower Upper
128 100
129 11.2 9.8 14.6
127 13.6 11.4 17.2



#10
Hexachlorobutadiene
Concen: 1.655 ng
RT: 10.756 min Scan# 981
Delta R.T. -0.000 min
Lab File: BN036927.D
Acq: 28 Apr 2025 14:00

Tgt Ion:225 Resp: 5873
Ion Ratio Lower Upper
225 100
223 0.0 0.0 0.0
227 64.1 52.2 78.4

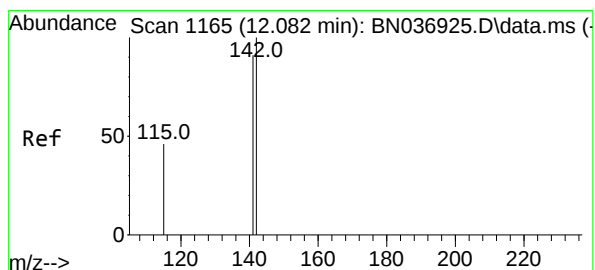
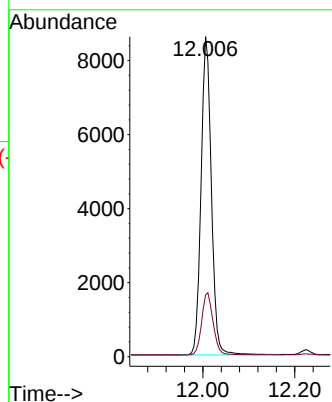
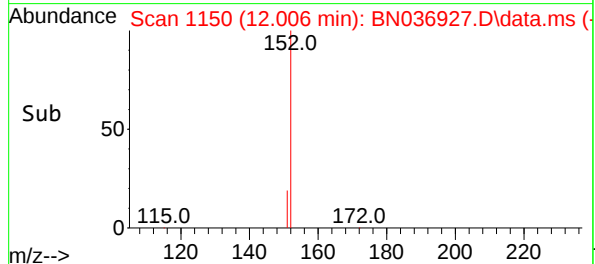
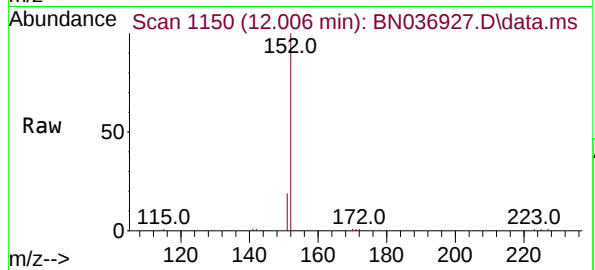




#11
2-Methylnaphthalene-d10
Concen: 1.720 ng
RT: 12.006 min Scan# 1150
Delta R.T. -0.000 min
Lab File: BN036927.D
Acq: 28 Apr 2025 14:00

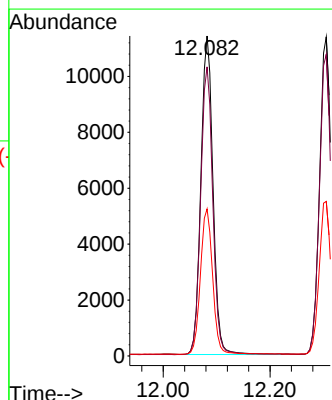
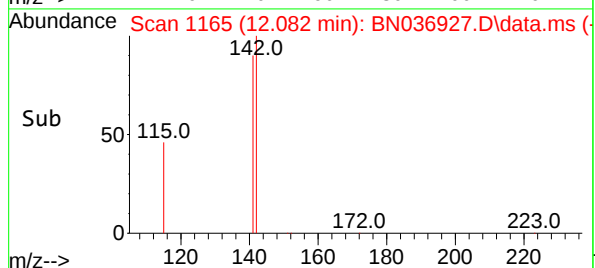
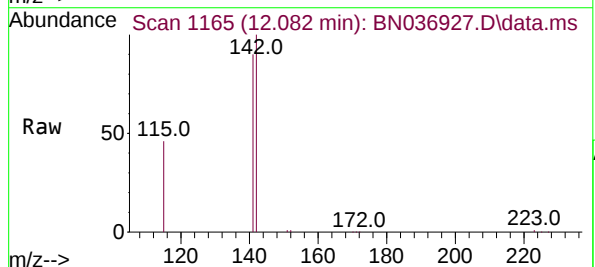
Instrument :
BNA_N
ClientSampleId :
SSTDICC1.6

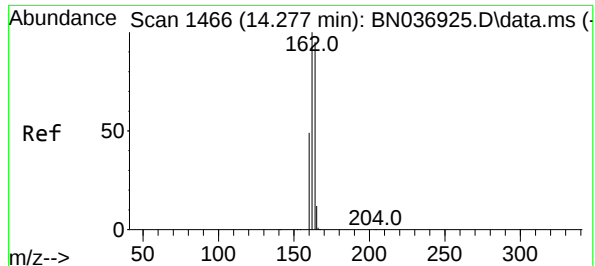
Tgt Ion:152 Resp: 13343
Ion Ratio Lower Upper
152 100
151 21.6 16.9 25.3



#12
2-Methylnaphthalene
Concen: 1.727 ng
RT: 12.082 min Scan# 1165
Delta R.T. -0.000 min
Lab File: BN036927.D
Acq: 28 Apr 2025 14:00

Tgt Ion:142 Resp: 17991
Ion Ratio Lower Upper
142 100
141 90.3 72.8 109.2
115 46.0 38.2 57.4

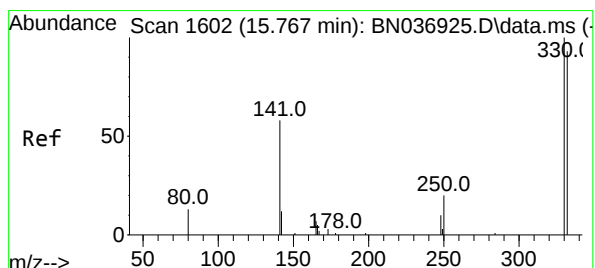
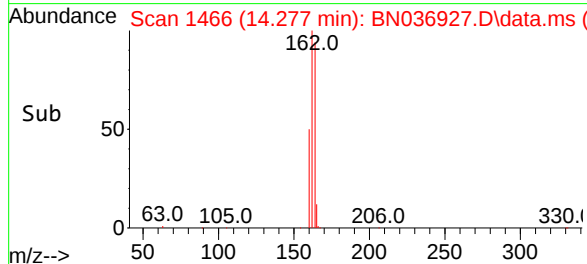
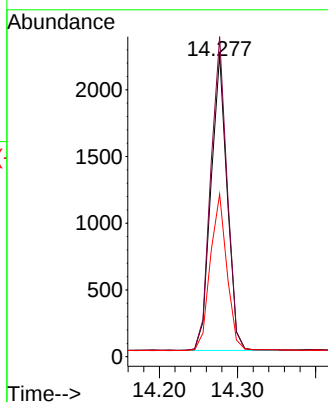
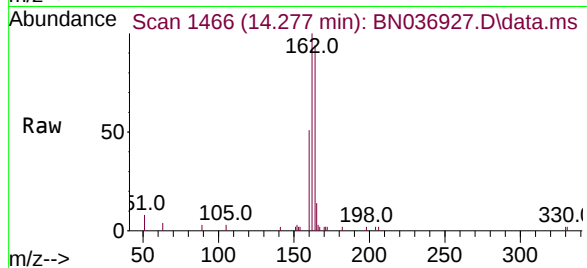




#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.277 min Scan# 1466
Delta R.T. -0.000 min
Lab File: BN036927.D
Acq: 28 Apr 2025 14:00

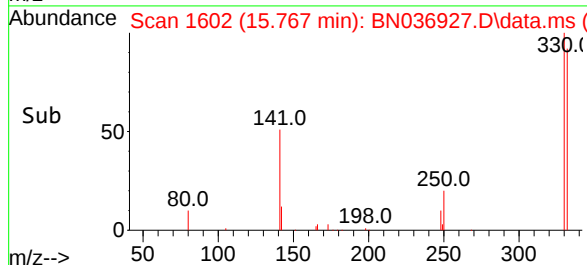
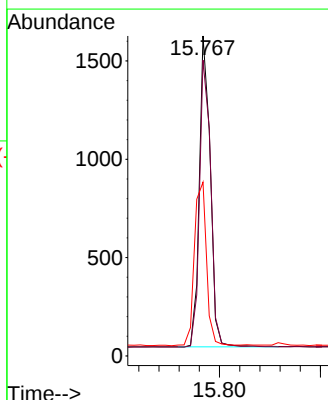
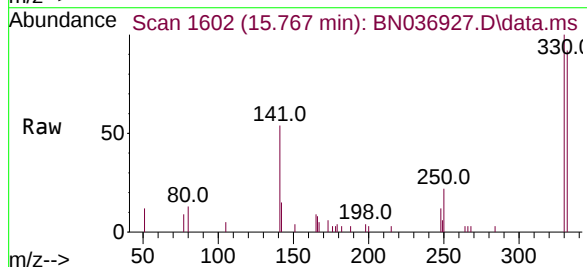
Instrument :
BNA_N
ClientSampleId :
SSTDICC1.6

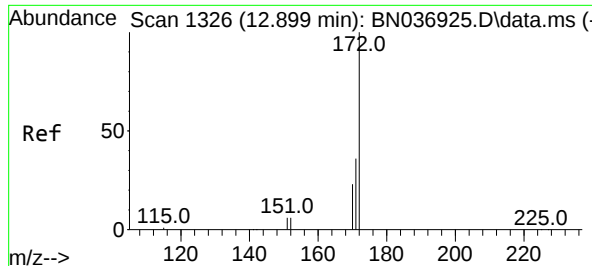
Tgt Ion:164 Resp: 3185
Ion Ratio Lower Upper
164 100
162 105.9 83.8 125.8
160 53.8 42.0 63.0



#14
2,4,6-Tribromophenol
Concen: 1.711 ng
RT: 15.767 min Scan# 1602
Delta R.T. -0.000 min
Lab File: BN036927.D
Acq: 28 Apr 2025 14:00

Tgt Ion:330 Resp: 2388
Ion Ratio Lower Upper
330 100
332 95.3 76.3 114.5
141 58.3 45.4 68.2





#15

2-Fluorobiphenyl

Concen: 1.673 ng

RT: 12.898 min Scan# 1439

Delta R.T. -0.000 min

Lab File: BN036927.D

Acq: 28 Apr 2025 14:00

Instrument :

BNA_N

ClientSampleId :

SSTDICC1.6

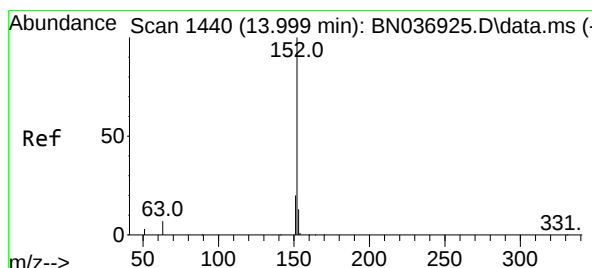
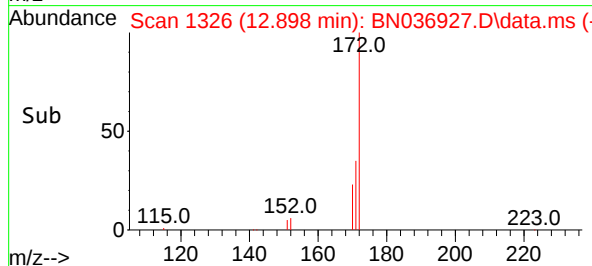
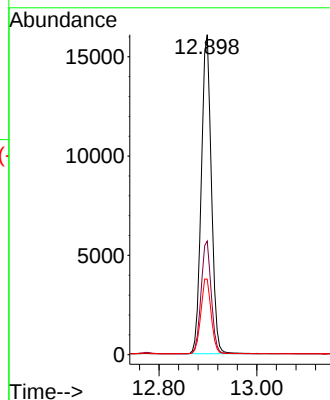
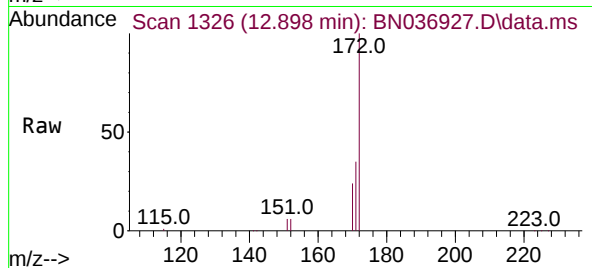
Tgt Ion:172 Resp: 25773

Ion Ratio Lower Upper

172 100

171 35.5 29.4 44.0

170 23.6 19.4 29.0



#16

Acenaphthylene

Concen: 1.708 ng

RT: 13.988 min Scan# 1439

Delta R.T. -0.011 min

Lab File: BN036927.D

Acq: 28 Apr 2025 14:00

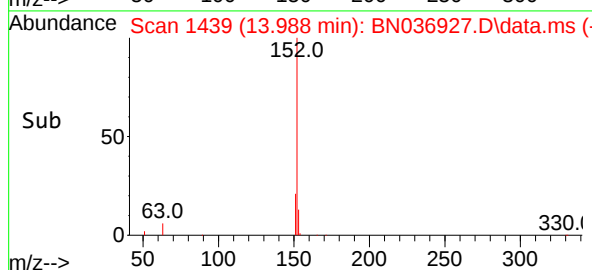
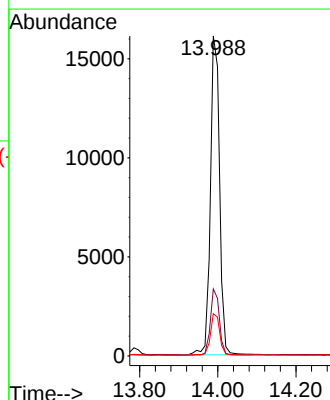
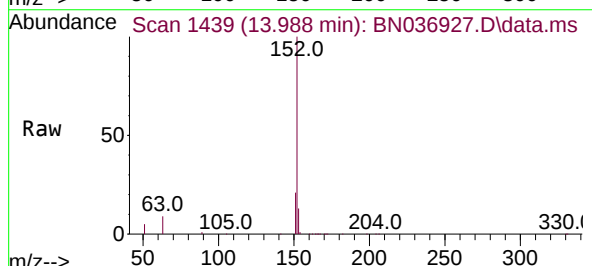
Tgt Ion:152 Resp: 26335

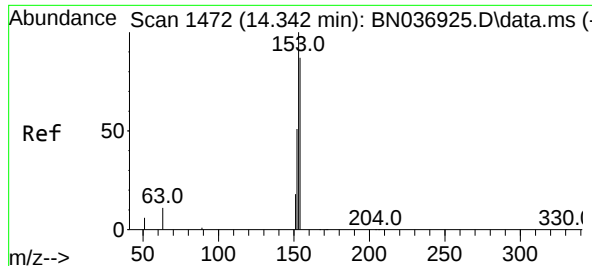
Ion Ratio Lower Upper

152 100

151 20.0 16.0 24.0

153 13.0 10.2 15.2

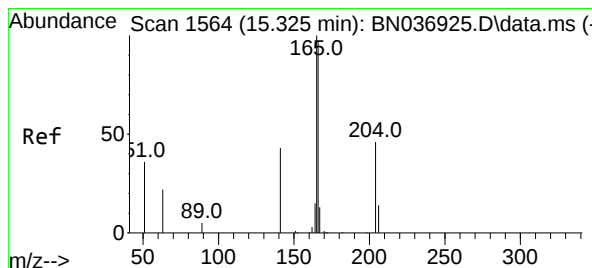
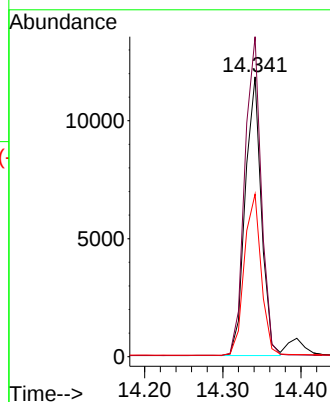
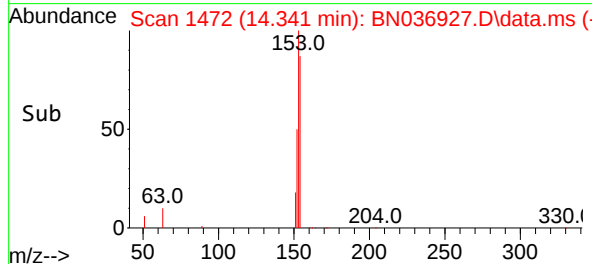
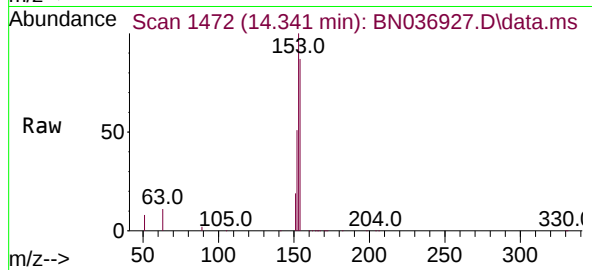




#17
Acenaphthene
Concen: 1.665 ng
RT: 14.341 min Scan# 1472
Delta R.T. -0.000 min
Lab File: BN036927.D
Acq: 28 Apr 2025 14:00

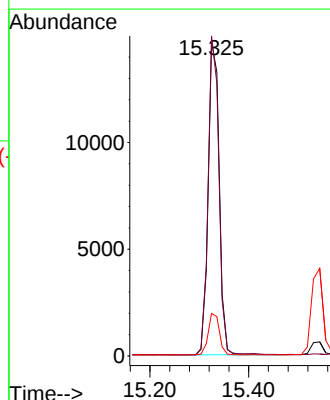
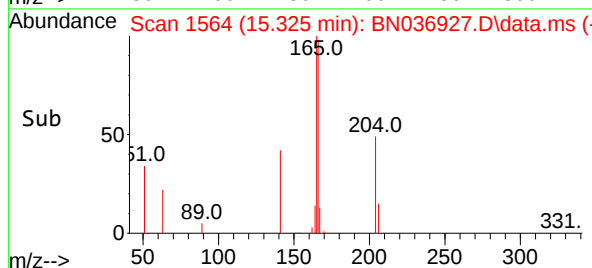
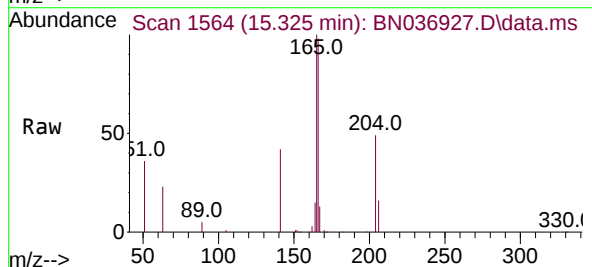
Instrument :
BNA_N
ClientSampleId :
SSTDICC1.6

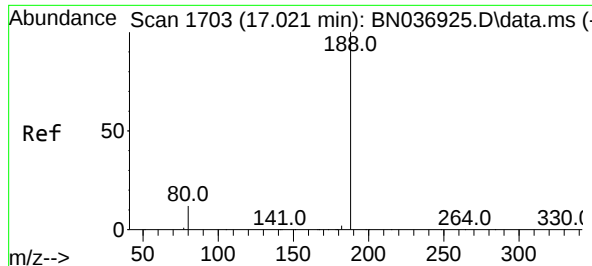
Tgt Ion:154 Resp: 16981
Ion Ratio Lower Upper
154 100
153 116.6 93.4 140.2
152 60.9 49.5 74.3



#18
Fluorene
Concen: 1.715 ng
RT: 15.325 min Scan# 1564
Delta R.T. -0.000 min
Lab File: BN036927.D
Acq: 28 Apr 2025 14:00

Tgt Ion:166 Resp: 22781
Ion Ratio Lower Upper
166 100
165 99.0 80.8 121.2
167 13.4 10.8 16.2





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 17.021 min Scan# 1

Delta R.T. -0.000 min

Lab File: BN036927.D

Acq: 28 Apr 2025 14:00

Instrument :

BNA_N

ClientSampleId :

SSTDICC1.6

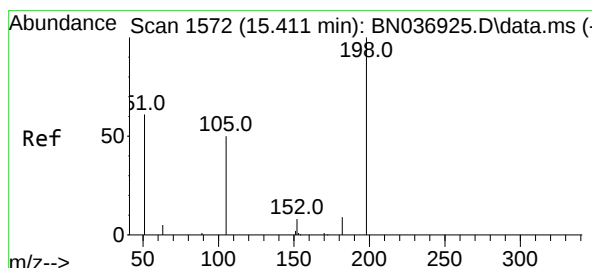
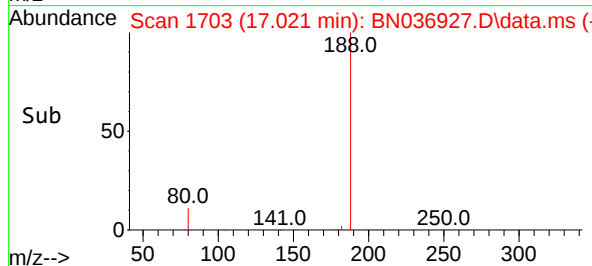
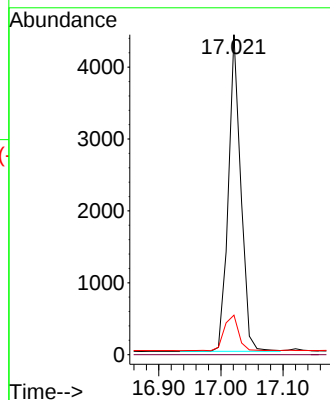
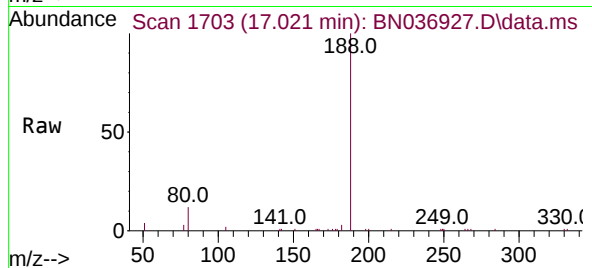
Tgt Ion:188 Resp: 6118

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

80 12.3 10.7 16.1



#20

4,6-Dinitro-2-methylphenol

Concen: 1.800 ng

RT: 15.410 min Scan# 1572

Delta R.T. -0.001 min

Lab File: BN036927.D

Acq: 28 Apr 2025 14:00

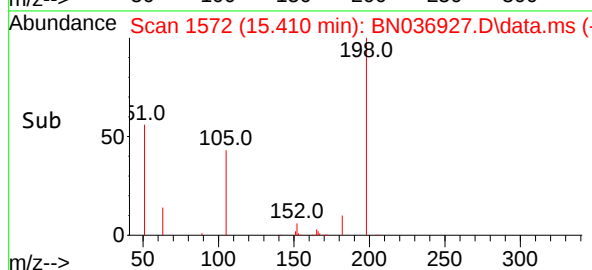
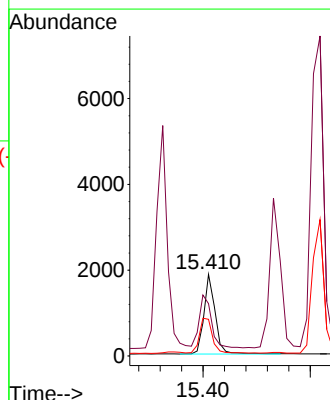
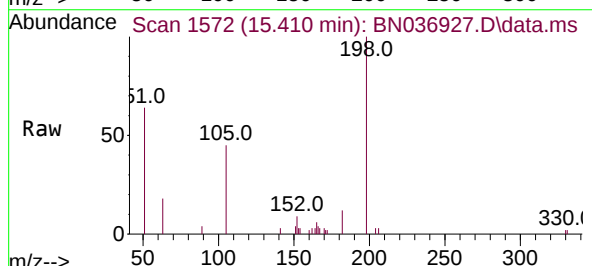
Tgt Ion:198 Resp: 2759

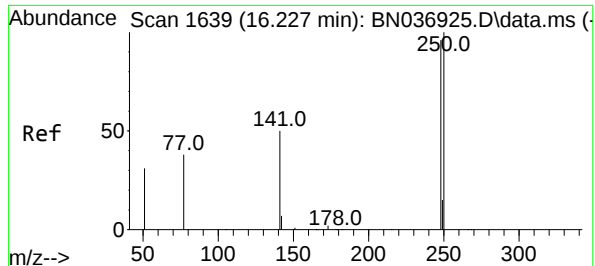
Ion Ratio Lower Upper

198 100

51 64.1 97.9 146.9#

105 44.9 50.0 75.0#

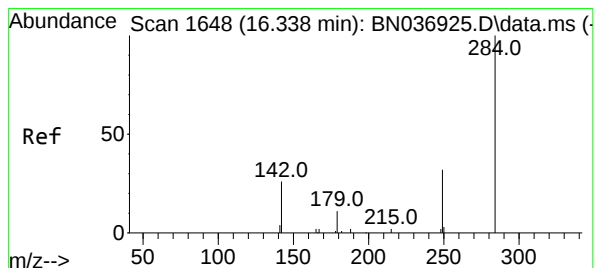
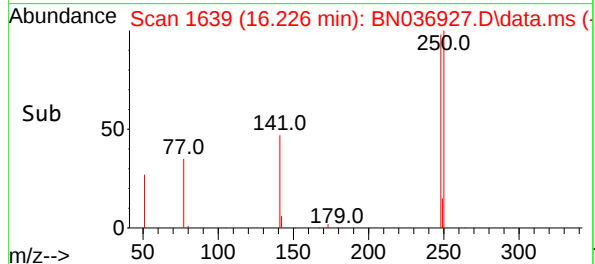
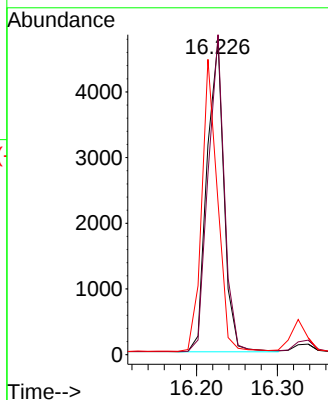
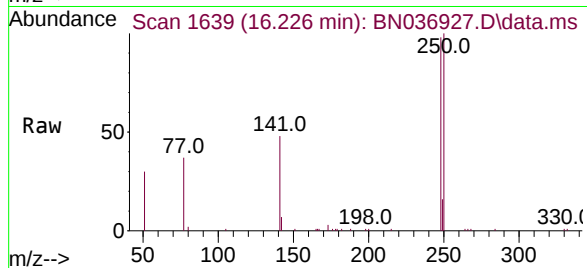




#21
4-Bromophenyl-phenylether
Concen: 1.695 ng
RT: 16.226 min Scan# 1639
Delta R.T. -0.000 min
Lab File: BN036927.D
Acq: 28 Apr 2025 14:00

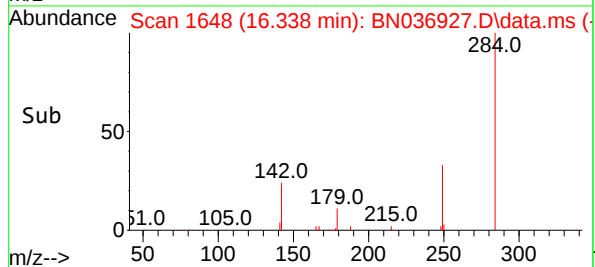
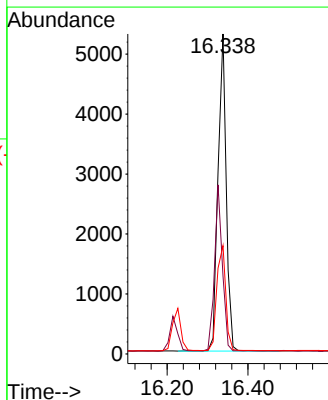
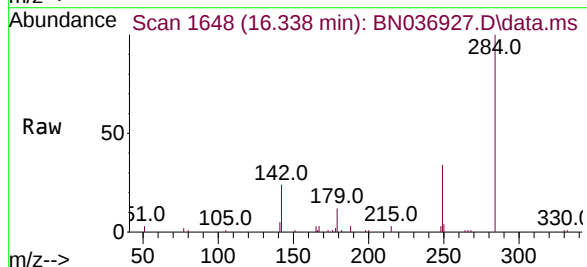
Instrument :
BNA_N
ClientSampleId :
SSTDICC1.6

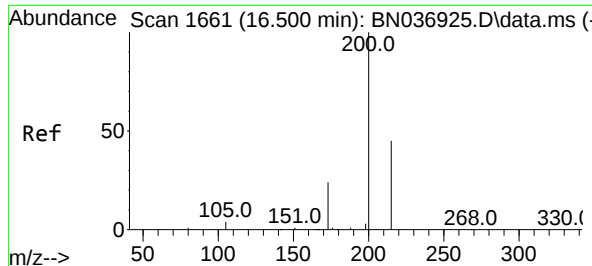
Tgt Ion	Ratio	Lower	Upper
248	100		
250	101.8	83.7	125.5
141	48.5	43.8	65.8



#22
Hexachlorobenzene
Concen: 1.650 ng
RT: 16.338 min Scan# 1648
Delta R.T. -0.000 min
Lab File: BN036927.D
Acq: 28 Apr 2025 14:00

Tgt Ion	Ratio	Lower	Upper
284	100		
142	50.5	40.0	60.0
249	36.5	28.2	42.2

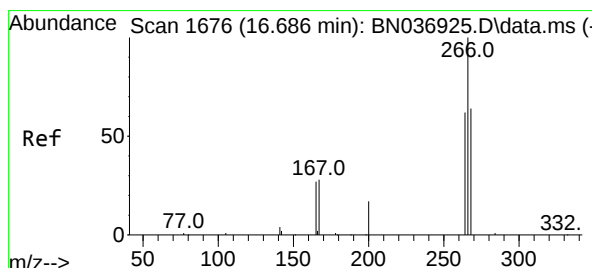
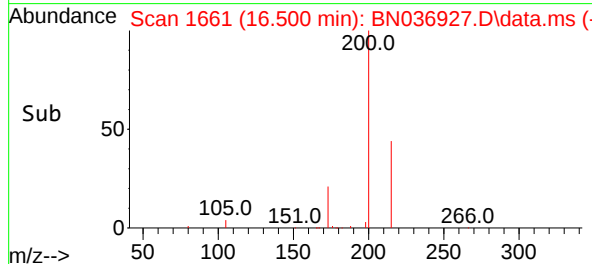
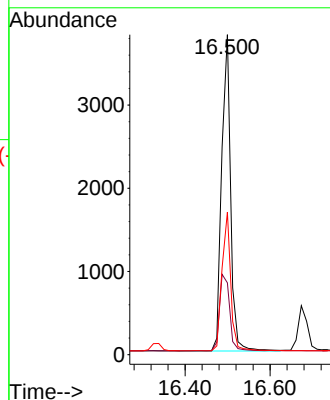
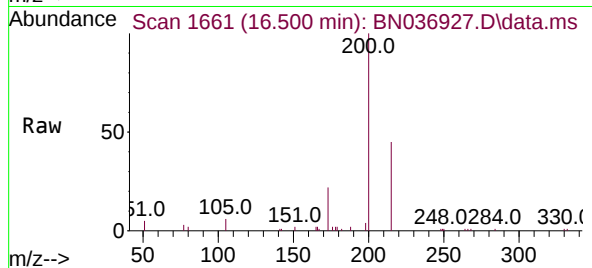




#23
Atrazine
Concen: 1.729 ng
RT: 16.500 min Scan# 1661
Delta R.T. -0.000 min
Lab File: BN036927.D
Acq: 28 Apr 2025 14:00

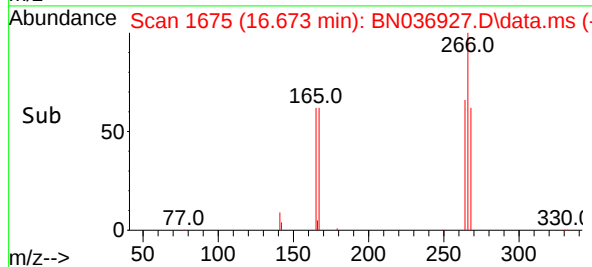
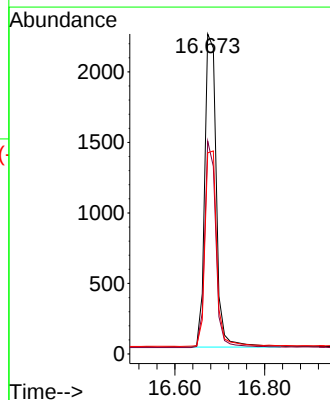
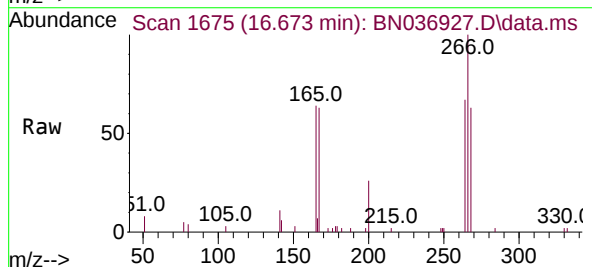
Instrument :
BNA_N
ClientSampleId :
SSTDICC1.6

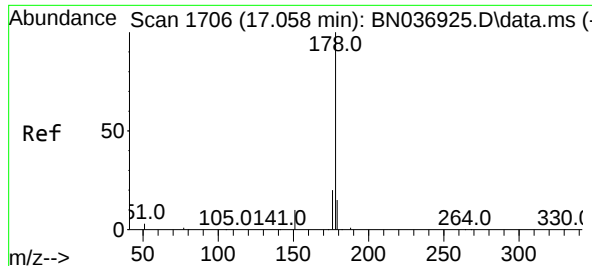
Tgt Ion	Ratio	Lower	Upper
200	100		
173	22.5	22.4	33.6
215	44.6	38.6	57.8



#24
Pentachlorophenol
Concen: 1.710 ng
RT: 16.673 min Scan# 1675
Delta R.T. -0.013 min
Lab File: BN036927.D
Acq: 28 Apr 2025 14:00

Tgt Ion	Ratio	Lower	Upper
266	100		
264	63.3	49.9	74.9
268	63.2	52.2	78.4

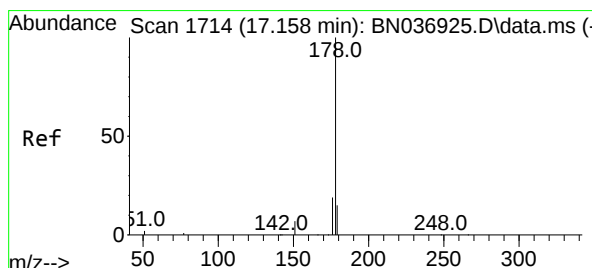
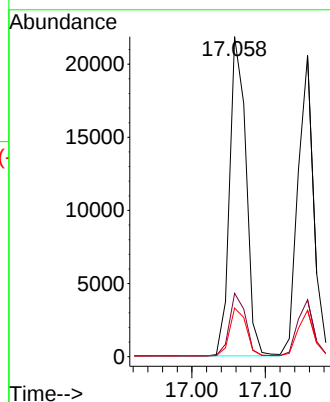
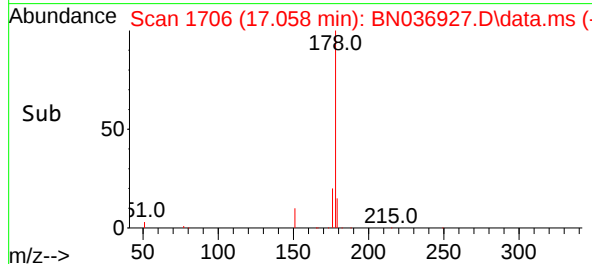
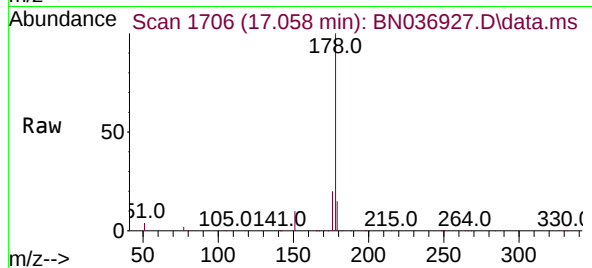




#25
Phenanthrene
Concen: 1.687 ng
RT: 17.058 min Scan# 1706
Delta R.T. -0.000 min
Lab File: BN036927.D
Acq: 28 Apr 2025 14:00

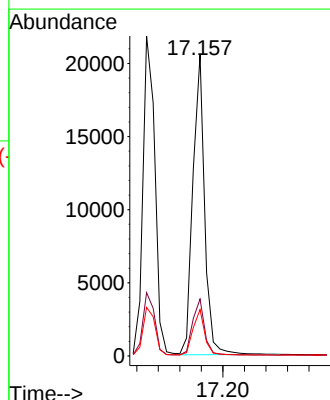
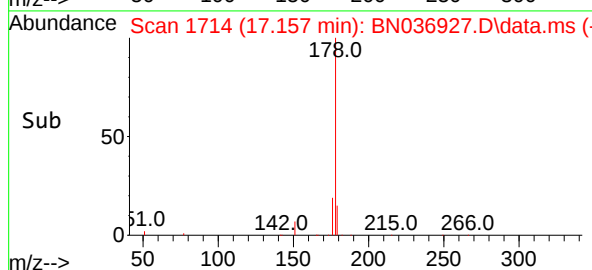
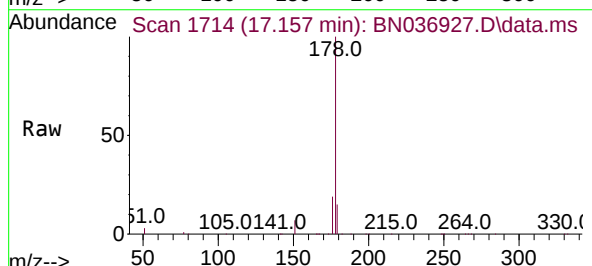
Instrument :
BNA_N
ClientSampleId :
SSTDICC1.6

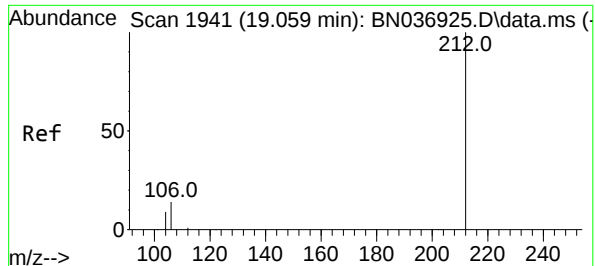
Tgt Ion:178 Resp: 33948
Ion Ratio Lower Upper
178 100
176 19.4 15.7 23.5
179 15.1 12.4 18.6



#26
Anthracene
Concen: 1.734 ng
RT: 17.157 min Scan# 1714
Delta R.T. -0.000 min
Lab File: BN036927.D
Acq: 28 Apr 2025 14:00

Tgt Ion:178 Resp: 31205
Ion Ratio Lower Upper
178 100
176 19.1 15.3 22.9
179 15.2 12.1 18.1





#27

Fluoranthene-d10

Concen: 1.699 ng

RT: 19.059 min Scan# 1941

Delta R.T. -0.000 min

Lab File: BN036927.D

Acq: 28 Apr 2025 14:00

Instrument :

BNA_N

ClientSampleId :

SSTDICC1.6

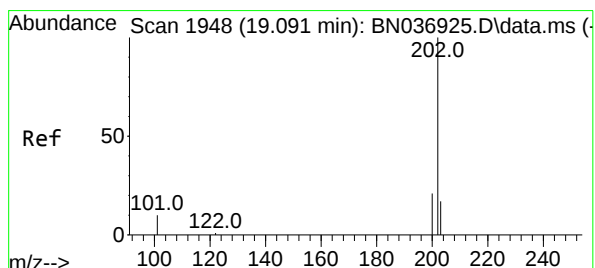
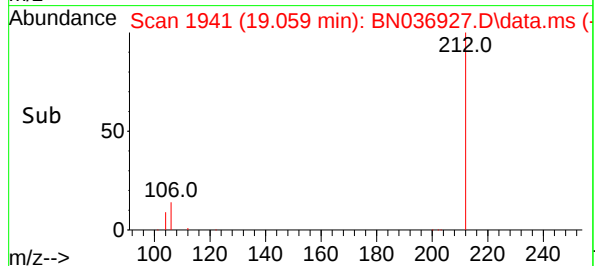
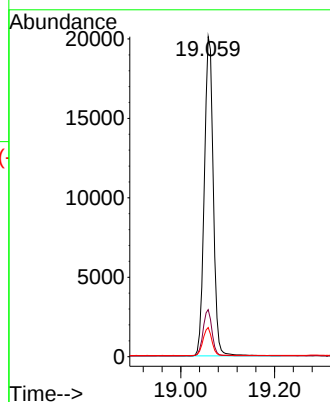
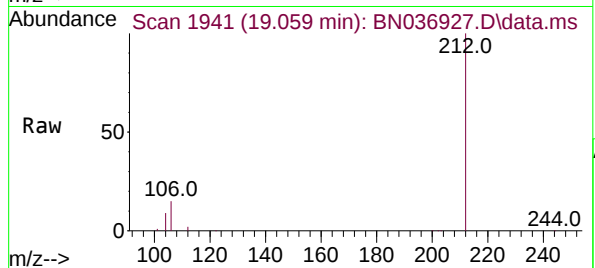
Tgt Ion:212 Resp: 26603

Ion Ratio Lower Upper

212 100

106 14.4 11.6 17.4

104 8.8 7.0 10.4



#28

Fluoranthene

Concen: 1.732 ng

RT: 19.091 min Scan# 1948

Delta R.T. -0.000 min

Lab File: BN036927.D

Acq: 28 Apr 2025 14:00

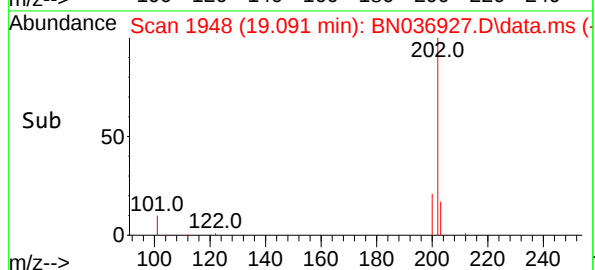
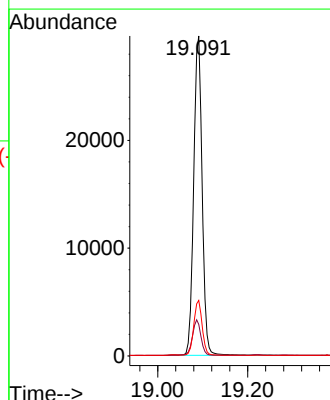
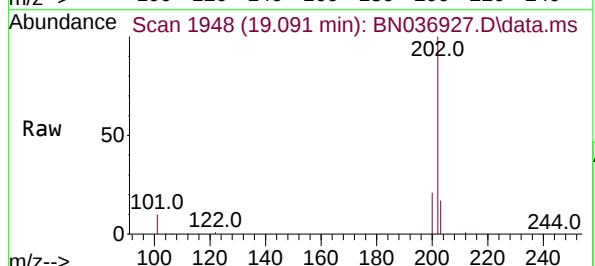
Tgt Ion:202 Resp: 38607

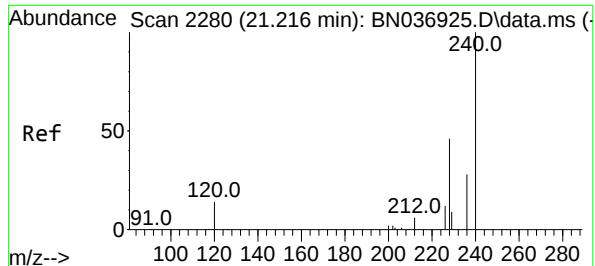
Ion Ratio Lower Upper

202 100

101 11.3 8.5 12.7

203 17.0 13.7 20.5





#29

Chrysene-d12

Concen: 0.400 ng

RT: 21.215 min Scan# 21

Delta R.T. -0.000 min

Lab File: BN036927.D

Acq: 28 Apr 2025 14:00

Instrument :

BNA_N

ClientSampleId :

SSTDICC1.6

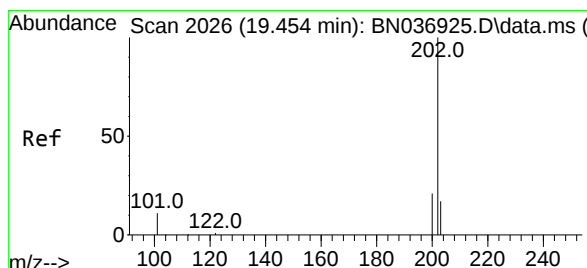
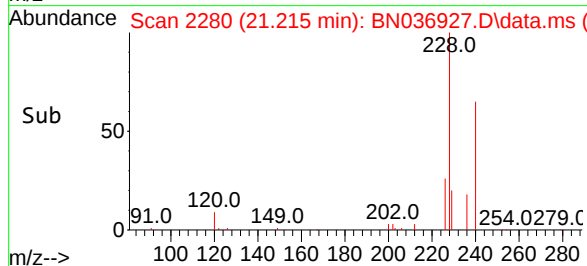
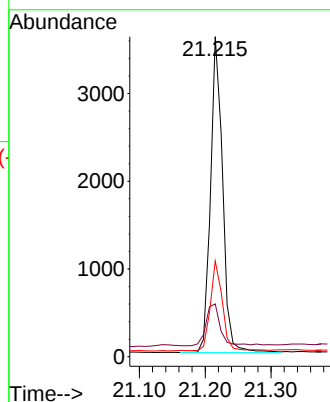
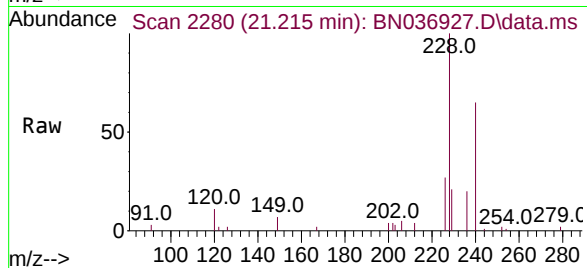
Tgt Ion:240 Resp: 4605

Ion Ratio Lower Upper

240 100

120 16.5 14.1 21.1

236 29.9 23.8 35.8



#30

Pyrene

Concen: 1.706 ng

RT: 19.453 min Scan# 2026

Delta R.T. -0.000 min

Lab File: BN036927.D

Acq: 28 Apr 2025 14:00

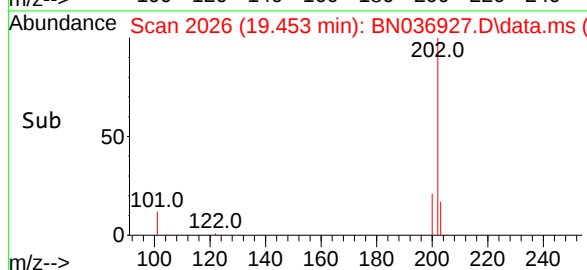
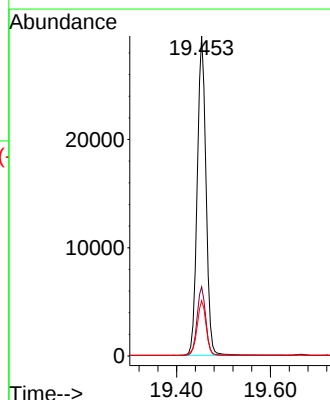
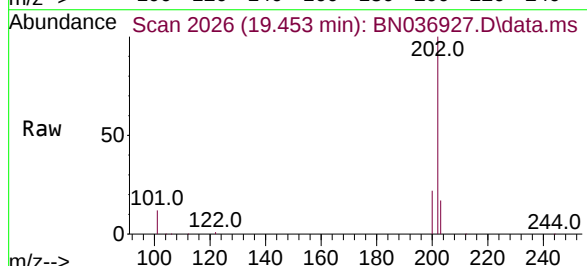
Tgt Ion:202 Resp: 38176

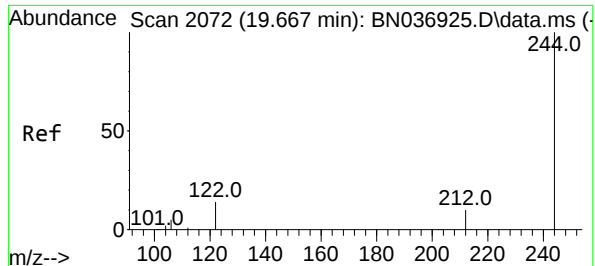
Ion Ratio Lower Upper

202 100

200 21.4 17.0 25.6

203 17.7 14.0 21.0

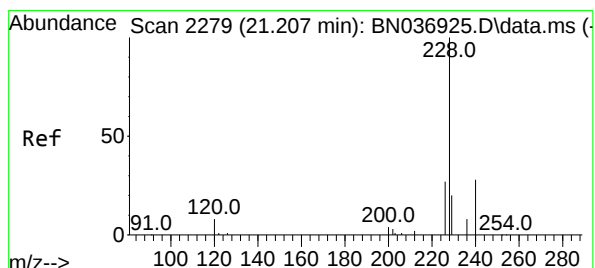
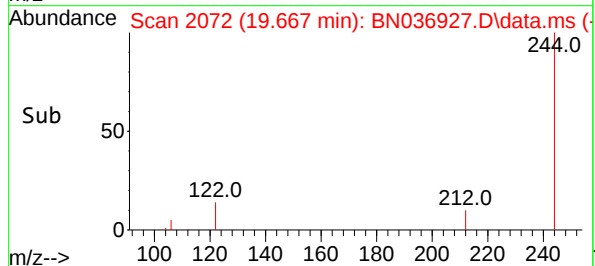
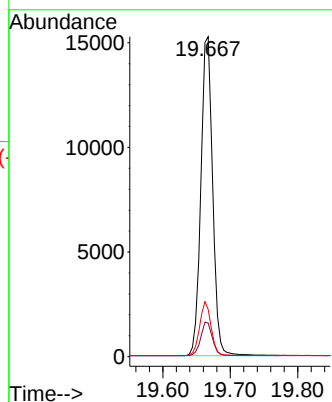
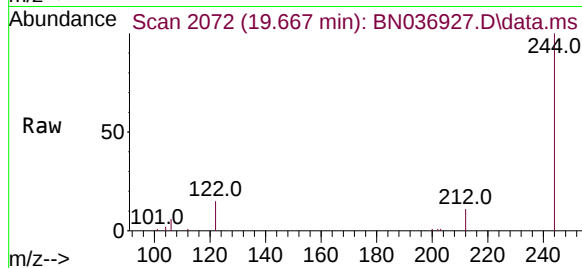




#31
Terphenyl-d14
Concen: 1.689 ng
RT: 19.667 min Scan# 2072
Delta R.T. -0.000 min
Lab File: BN036927.D
Acq: 28 Apr 2025 14:00

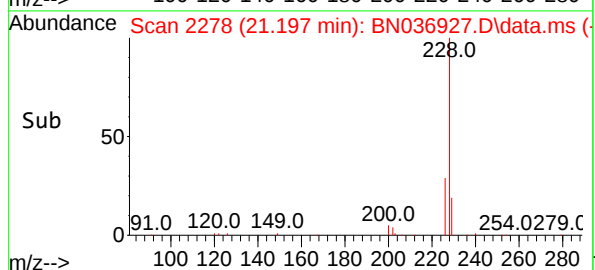
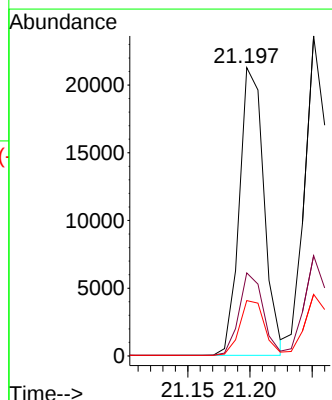
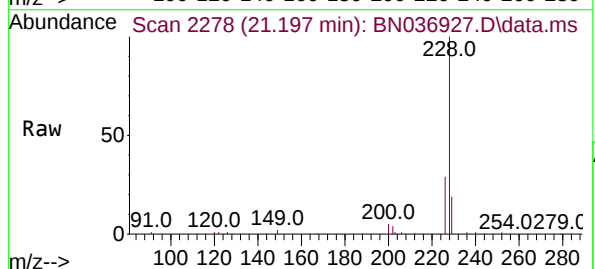
Instrument :
BNA_N
ClientSampleId :
SSTDICC1.6

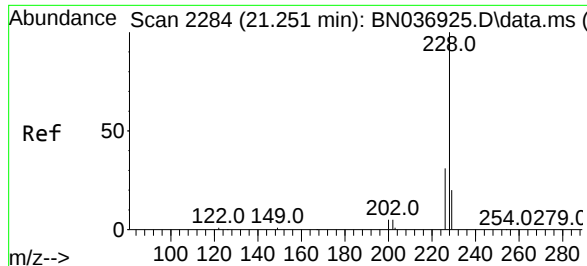
Tgt Ion:244 Resp: 18514
Ion Ratio Lower Upper
244 100
212 10.5 9.6 14.4
122 14.7 12.7 19.1



#32
Benzo(a)anthracene
Concen: 1.737 ng
RT: 21.197 min Scan# 2278
Delta R.T. -0.009 min
Lab File: BN036927.D
Acq: 28 Apr 2025 14:00

Tgt Ion:228 Resp: 29164
Ion Ratio Lower Upper
228 100
226 28.8 22.2 33.4
229 19.2 16.4 24.6





#33

Chrysene

Concen: 1.703 ng

RT: 21.251 min Scan# 21

Delta R.T. -0.000 min

Lab File: BN036927.D

Acq: 28 Apr 2025 14:00

Instrument :

BNA_N

ClientSampleId :

SSTDICC1.6

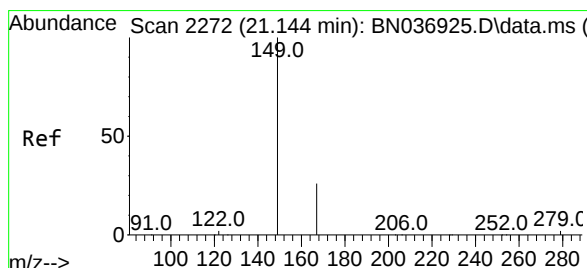
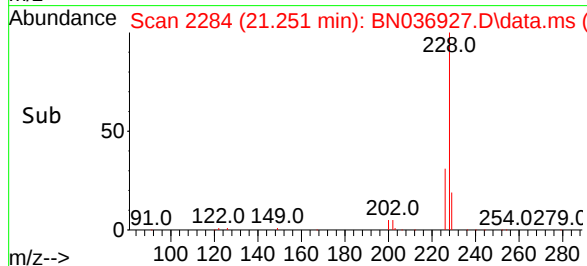
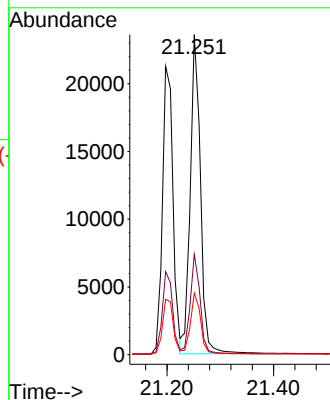
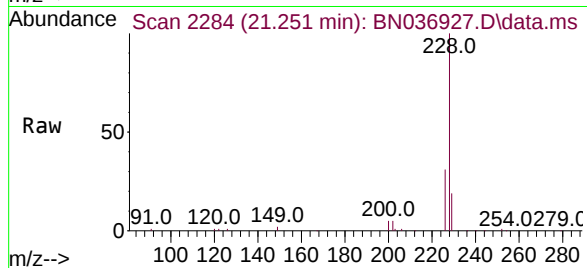
Tgt Ion:228 Resp: 31322

Ion Ratio Lower Upper

228 100

226 31.3 25.5 38.3

229 19.3 16.5 24.7



#34

Bis(2-ethylhexyl)phthalate

Concen: 1.544 ng

RT: 21.144 min Scan# 2272

Delta R.T. -0.000 min

Lab File: BN036927.D

Acq: 28 Apr 2025 14:00

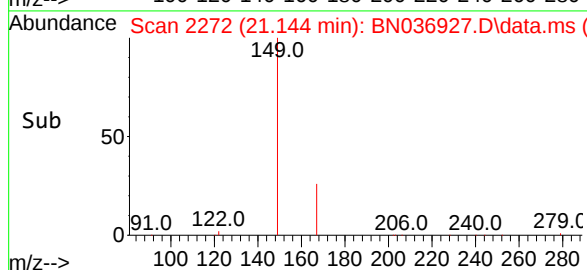
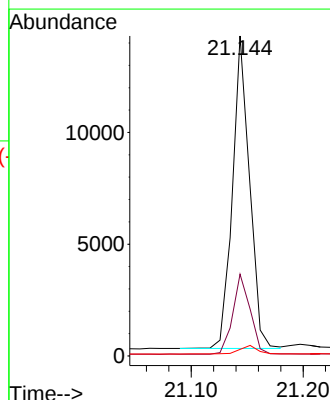
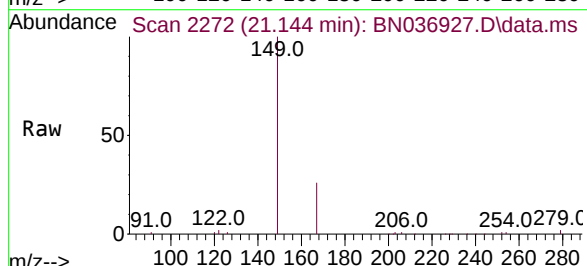
Tgt Ion:149 Resp: 14810

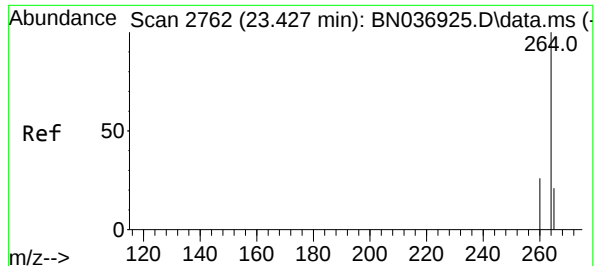
Ion Ratio Lower Upper

149 100

167 25.9 21.0 31.6

279 2.9 2.7 4.1





#35

Perylene-d12

Concen: 0.400 ng

RT: 23.427 min Scan# 21

Delta R.T. -0.000 min

Lab File: BN036927.D

Acq: 28 Apr 2025 14:00

Instrument :

BNA_N

ClientSampleId :

SSTDICC1.6

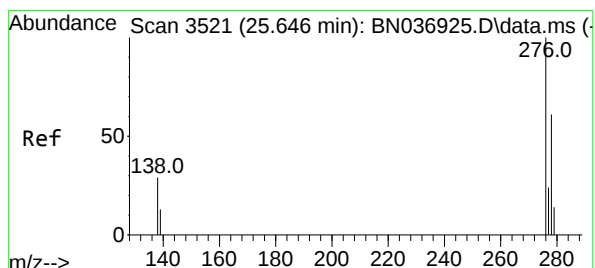
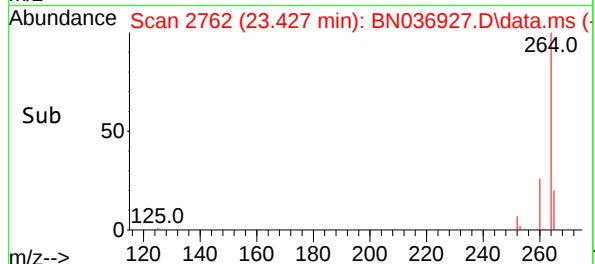
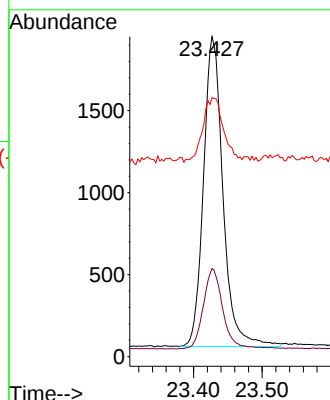
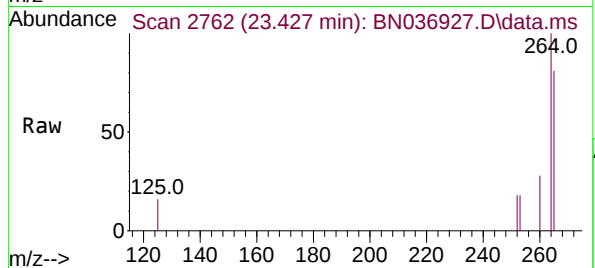
Tgt Ion:264 Resp: 3734

Ion Ratio Lower Upper

264 100

260 27.5 22.2 33.2

265 80.9 65.8 98.6



#36

Indeno(1,2,3-cd)pyrene

Concen: 1.681 ng

RT: 25.643 min Scan# 3520

Delta R.T. -0.003 min

Lab File: BN036927.D

Acq: 28 Apr 2025 14:00

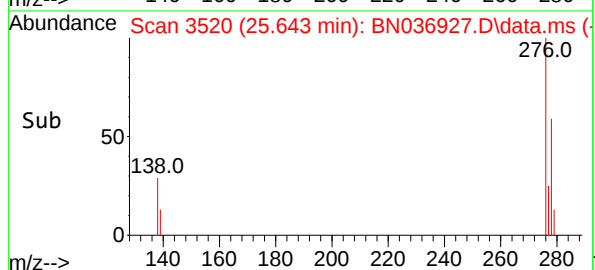
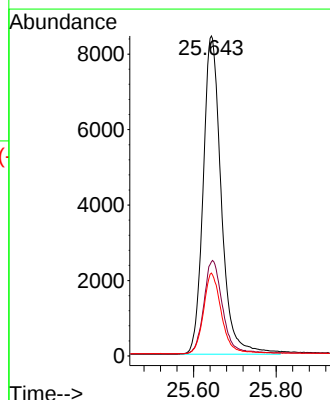
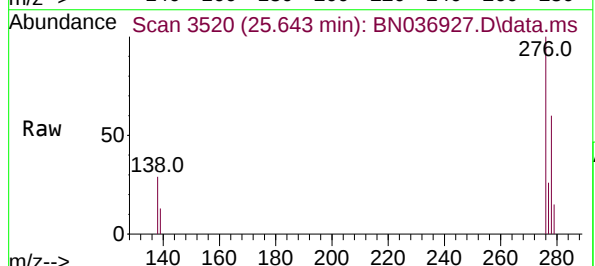
Tgt Ion:276 Resp: 25695

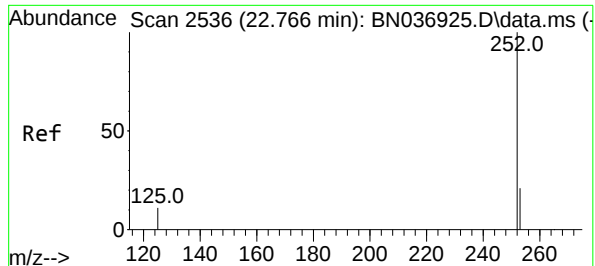
Ion Ratio Lower Upper

276 100

138 30.1 23.0 34.6

277 25.0 20.0 30.0





#37

Benzo(b)fluoranthene

Concen: 1.733 ng

RT: 22.763 min Scan# 2535

Delta R.T. -0.003 min

Lab File: BN036927.D

Acq: 28 Apr 2025 14:00

Instrument :

BNA_N

ClientSampleId :

SSTDICC1.6

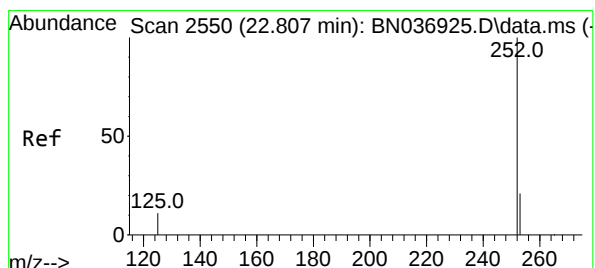
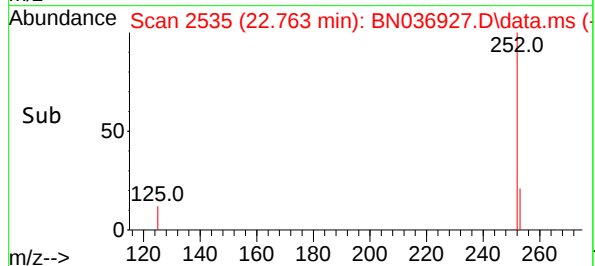
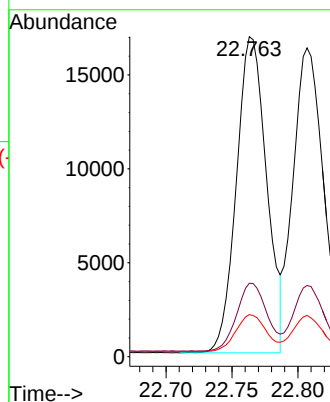
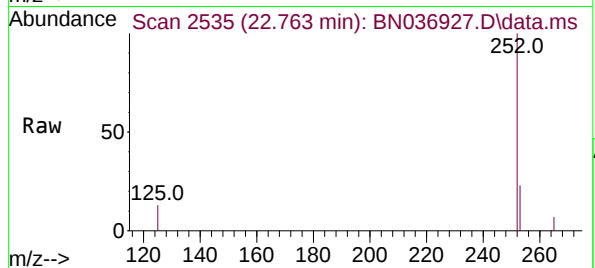
Tgt Ion:252 Resp: 26826

Ion Ratio Lower Upper

252 100

253 23.0 22.1 33.1

125 13.1 14.2 21.2#



#38

Benzo(k)fluoranthene

Concen: 1.730 ng

RT: 22.807 min Scan# 2550

Delta R.T. -0.000 min

Lab File: BN036927.D

Acq: 28 Apr 2025 14:00

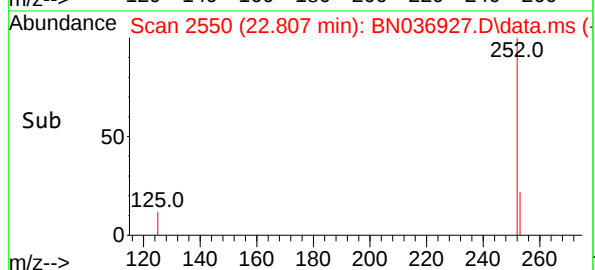
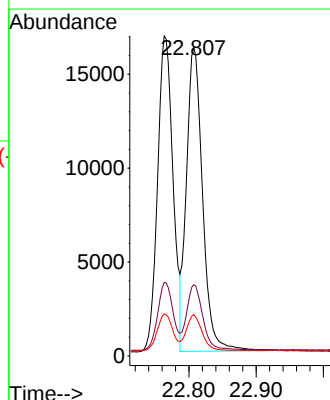
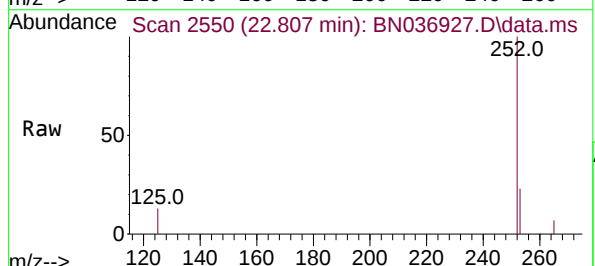
Tgt Ion:252 Resp: 27065

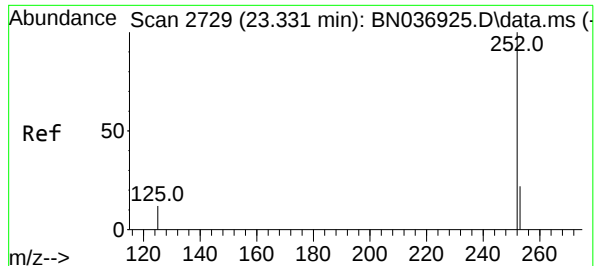
Ion Ratio Lower Upper

252 100

253 23.1 22.8 34.2

125 13.4 14.2 21.2#





#39

Benzo(a)pyrene

Concen: 1.712 ng

RT: 23.330 min Scan# 21

Delta R.T. -0.000 min

Lab File: BN036927.D

Acq: 28 Apr 2025 14:00

Instrument :

BNA_N

ClientSampleId :

SSTDICC1.6

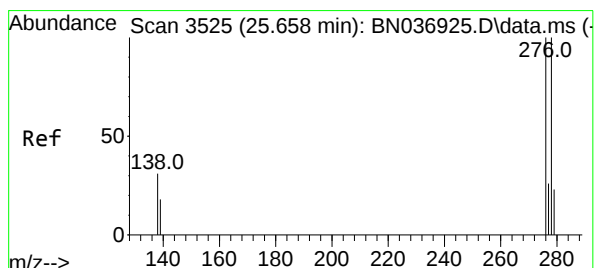
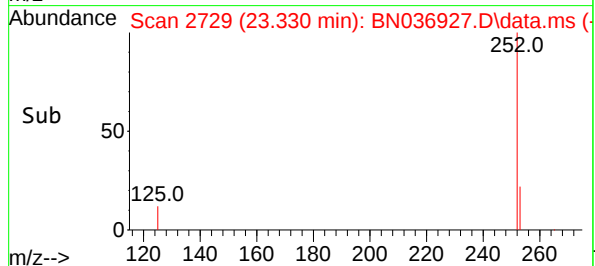
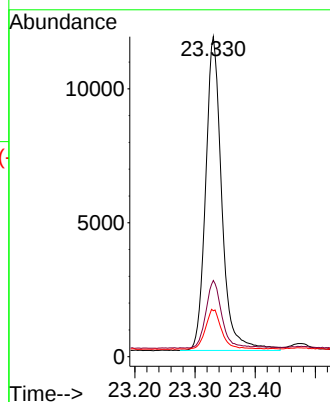
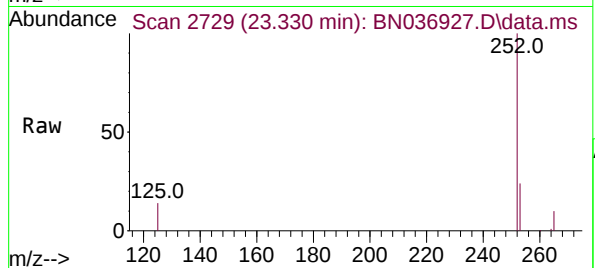
Tgt Ion:252 Resp: 21844

Ion Ratio Lower Upper

252 100

253 23.8 25.9 38.9#

125 14.4 17.4 26.0#



#40

Dibenzo(a,h)anthracene

Concen: 1.685 ng

RT: 25.658 min Scan# 3525

Delta R.T. -0.000 min

Lab File: BN036927.D

Acq: 28 Apr 2025 14:00

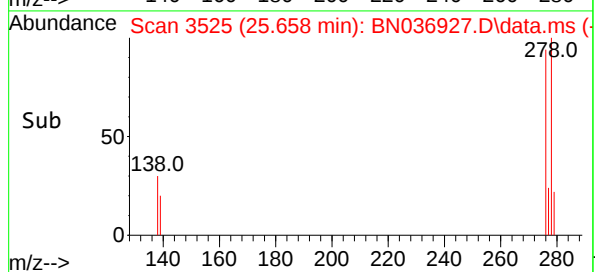
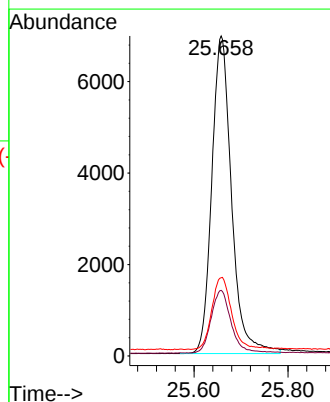
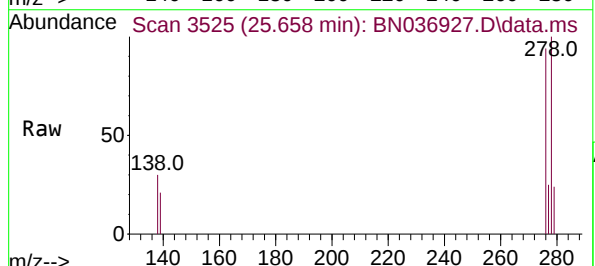
Tgt Ion:278 Resp: 20274

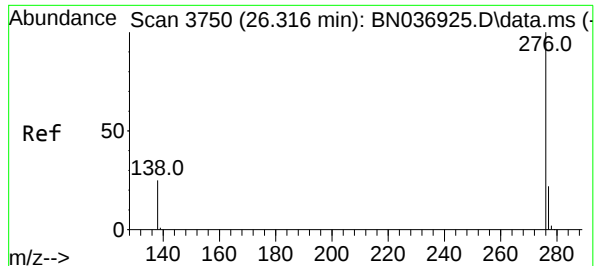
Ion Ratio Lower Upper

278 100

139 20.5 17.4 26.2

279 24.5 24.9 37.3#





#41

Benzo(g,h,i)perylene

Concen: 1.659 ng

RT: 26.324 min Scan# 31

Delta R.T. 0.009 min

Lab File: BN036927.D

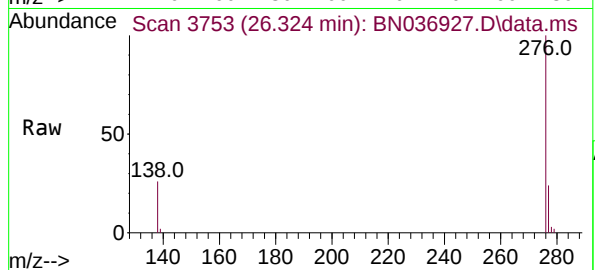
Acq: 28 Apr 2025 14:00

Instrument :

BNA_N

ClientSampleId :

SSTDICC1.6



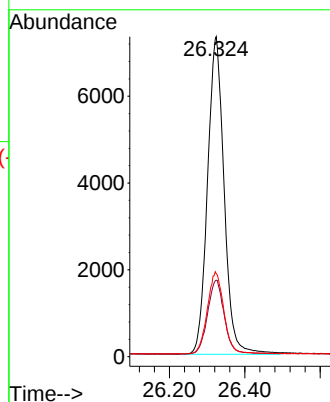
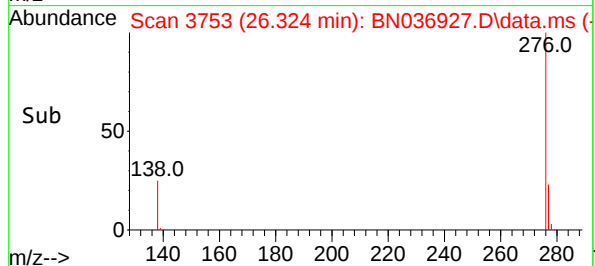
Tgt Ion:276 Resp: 22323

Ion Ratio Lower Upper

276 100

277 23.9 20.2 30.2

138 26.0 21.9 32.9



Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN042825\
 Data File : BN036928.D
 Acq On : 28 Apr 2025 14:36
 Operator : RC/JU
 Sample : SSTDICC3.2
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 SSTDICC3.2

Quant Time: Apr 28 15:14:05 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN042825.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Apr 28 15:11:09 2025
 Response via : Initial Calibration

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

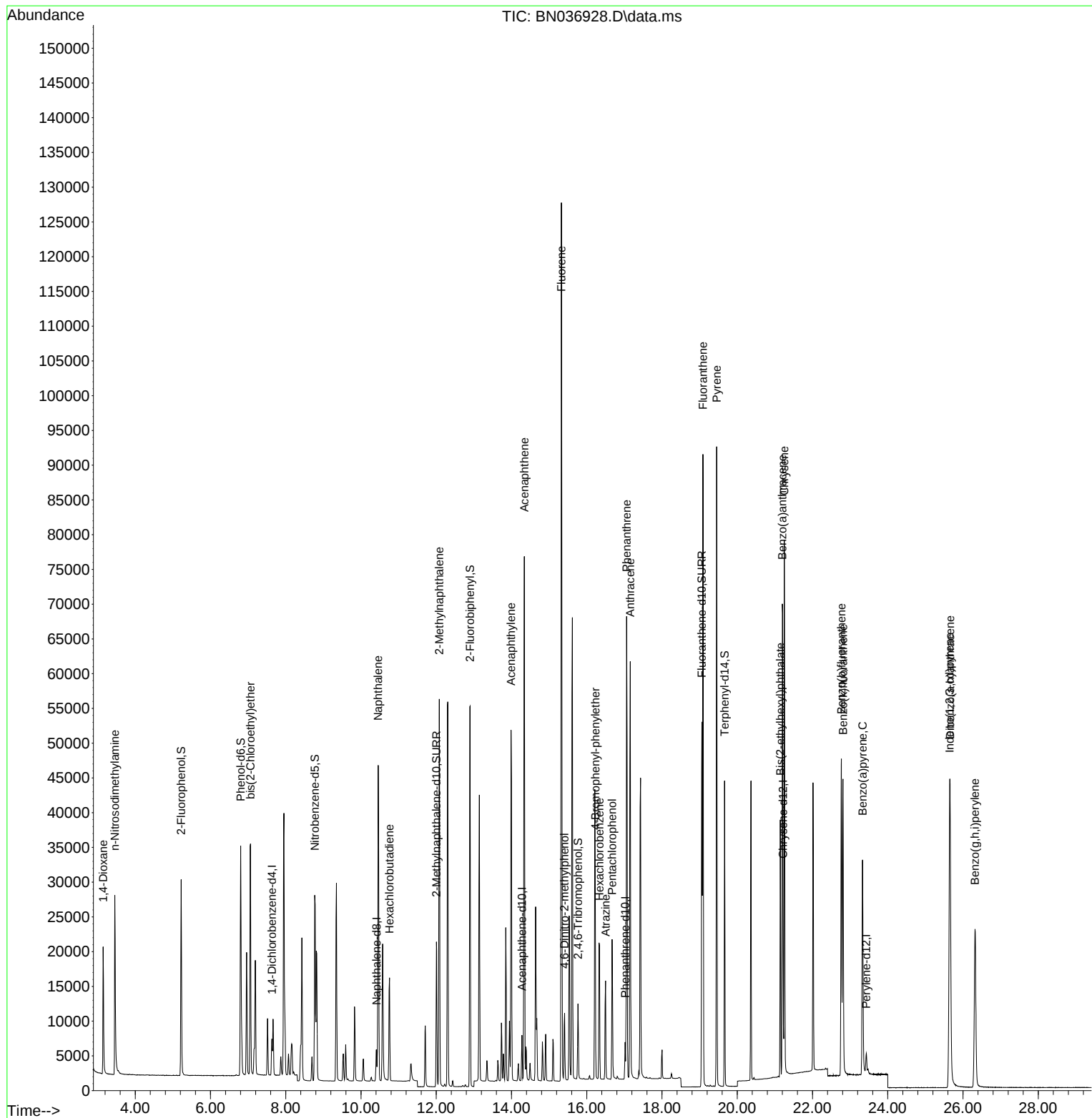
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.633	152	2400	0.400	ng	0.00
7) Naphthalene-d8	10.415	136	5910	0.400	ng	0.00
13) Acenaphthene-d10	14.277	164	3394	0.400	ng	0.00
19) Phenanthrene-d10	17.021	188	6361	0.400	ng	0.00
29) Chrysene-d12	21.216	240	4896	0.400	ng	0.00
35) Perylene-d12	23.430	264	3763	0.400	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.221	112	18856	3.045	ng	0.00
5) Phenol-d6	6.802	99	24093	3.194	ng	0.00
8) Nitrobenzene-d5	8.771	82	20418	3.326	ng	-0.01
11) 2-Methylnaphthalene-d10	12.006	152	27198	3.319	ng	0.00
14) 2,4,6-Tribromophenol	15.768	330	4998	3.360	ng	0.00
15) 2-Fluorobiphenyl	12.899	172	53914	3.285	ng	0.00
27) Fluoranthene-d10	19.059	212	53576	3.290	ng	0.00
31) Terphenyl-d14	19.663	244	37287	3.200	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.148	88	9383	3.096	ng	96
3) n-Nitrosodimethylamine	3.458	42	18278	3.122	ng	# 99
6) bis(2-Chloroethyl)ether	7.062	93	22311	3.183	ng	99
9) Naphthalene	10.458	128	55337	3.217	ng	98
10) Hexachlorobutadiene	10.757	225	11705	3.121	ng	# 98
12) 2-Methylnaphthalene	12.082	142	36995	3.361	ng	98
16) Acenaphthylene	13.989	152	55247	3.362	ng	100
17) Acenaphthene	14.342	154	35171	3.236	ng	98
18) Fluorene	15.325	166	46714	3.301	ng	99
20) 4,6-Dinitro-2-methylph...	15.411	198	6093	3.823	ng	# 51
21) 4-Bromophenyl-phenylether	16.227	248	13834	3.266	ng	# 94
22) Hexachlorobenzene	16.338	284	14891	3.181	ng	99
23) Atrazine	16.500	200	11521	3.449	ng	# 91
24) Pentachlorophenol	16.674	266	8528	3.511	ng	99
25) Phenanthrene	17.058	178	68482	3.273	ng	99
26) Anthracene	17.158	178	64181	3.430	ng	100
28) Fluoranthene	19.087	202	77836	3.358	ng	99
30) Pyrene	19.454	202	77117	3.241	ng	100
32) Benzo(a)anthracene	21.198	228	59092	3.310	ng	97
33) Chrysene	21.251	228	61582	3.149	ng	98
34) Bis(2-ethylhexyl)phtha...	21.144	149	30625	3.002	ng	# 99
36) Indeno(1,2,3-cd)pyrene	25.643	276	51906	3.369	ng	98
37) Benzo(b)fluoranthene	22.766	252	52921	3.393	ng	# 89
38) Benzo(k)fluoranthene	22.810	252	53706	3.406	ng	# 88
39) Benzo(a)pyrene	23.331	252	43554	3.387	ng	# 83
40) Dibenzo(a,h)anthracene	25.655	278	41500	3.423	ng	# 91
41) Benzo(g,h,i)perylene	26.319	276	44250	3.263	ng	98

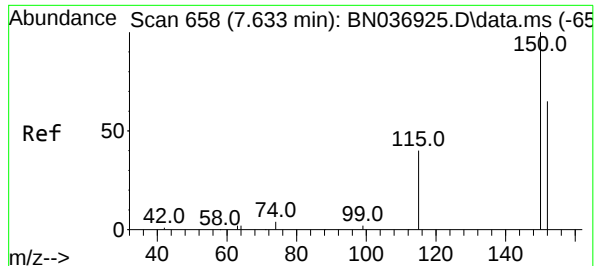
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN042825\
Data File : BN036928.D
Acq On : 28 Apr 2025 14:36
Operator : RC/JU
Sample : SSTDICC3.2
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
SSTDICC3.2

Quant Time: Apr 28 15:14:05 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN042825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Apr 28 15:11:09 2025
Response via : Initial Calibration

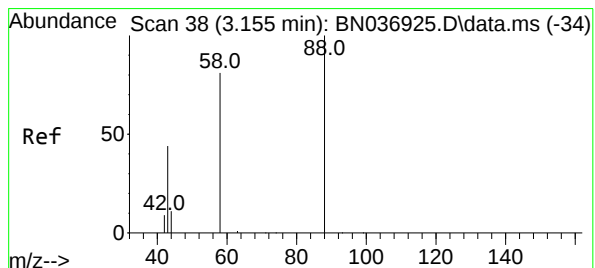
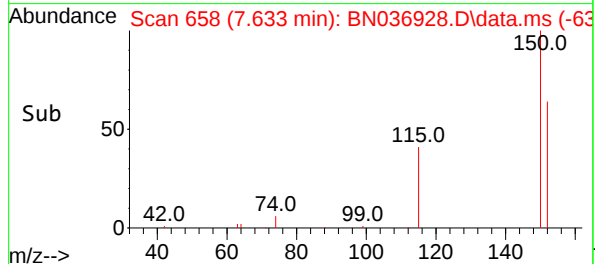
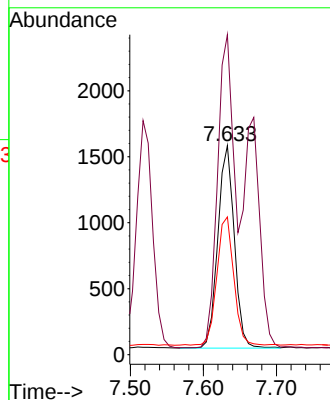
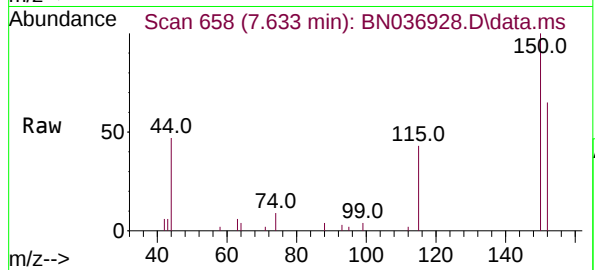




#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.633 min Scan# 61
Delta R.T. -0.000 min
Lab File: BN036928.D
Acq: 28 Apr 2025 14:36

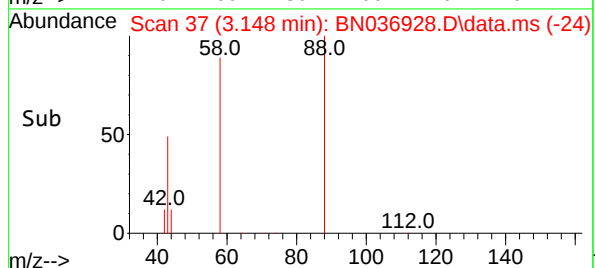
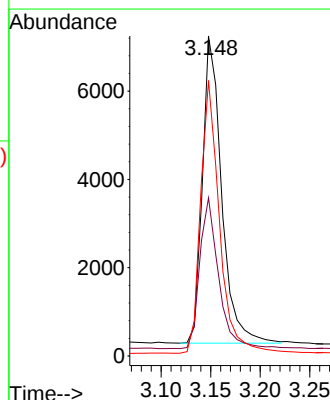
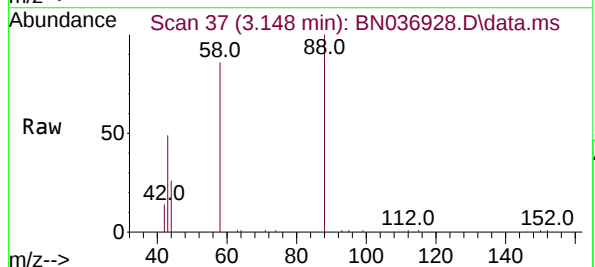
Instrument :
BNA_N
ClientSampleId :
SSTDICC3.2

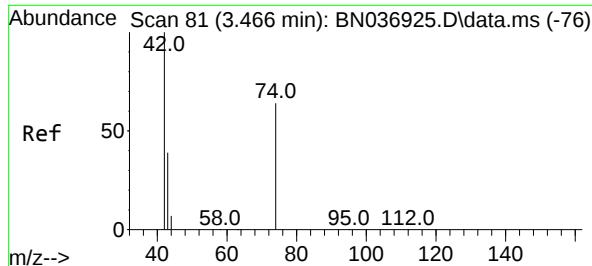
Tgt Ion:152 Resp: 2400
Ion Ratio Lower Upper
152 100
150 153.0 121.1 181.7
115 65.9 51.8 77.6



#2
1,4-Dioxane
Concen: 3.096 ng
RT: 3.148 min Scan# 37
Delta R.T. -0.007 min
Lab File: BN036928.D
Acq: 28 Apr 2025 14:36

Tgt Ion: 88 Resp: 9383
Ion Ratio Lower Upper
88 100
43 48.3 37.9 56.9
58 87.1 65.8 98.6

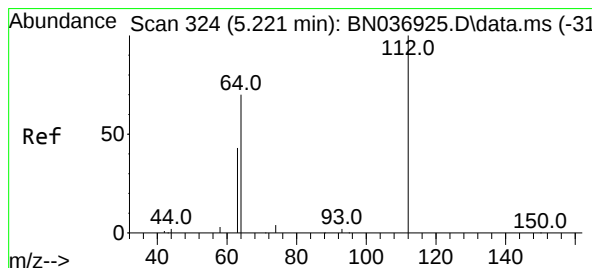
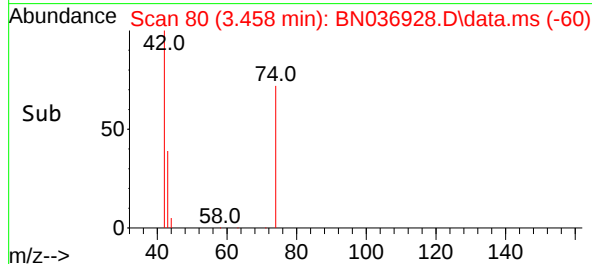
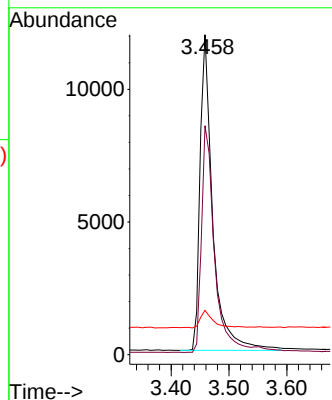
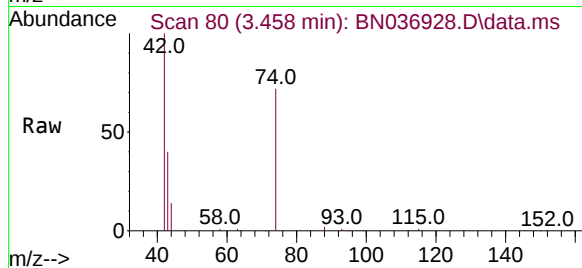




#3
n-Nitrosodimethylamine
Concen: 3.122 ng
RT: 3.458 min Scan# 80
Delta R.T. -0.007 min
Lab File: BN036928.D
Acq: 28 Apr 2025 14:36

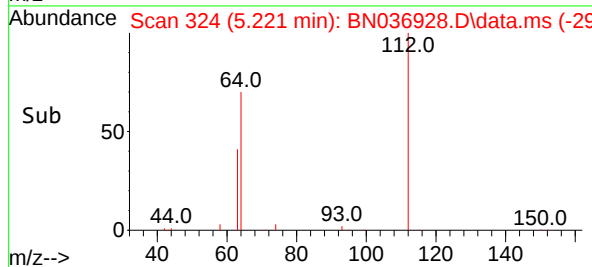
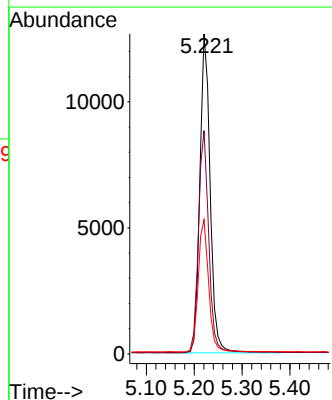
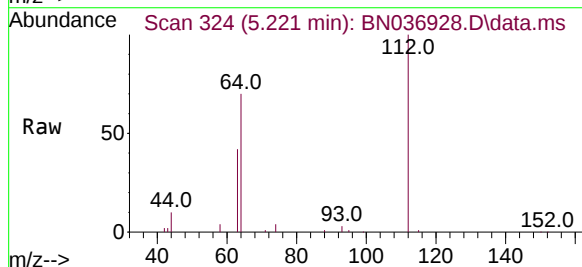
Instrument :
BNA_N
ClientSampleId :
SSTDICC3.2

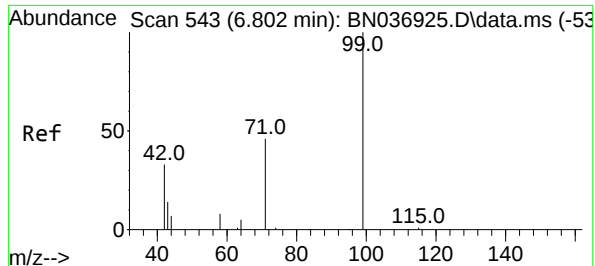
Tgt Ion: 42 Resp: 18278
Ion Ratio Lower Upper
42 100
74 74.8 59.9 89.9
44 5.4 7.5 11.3#



#4
2-Fluorophenol
Concen: 3.045 ng
RT: 5.221 min Scan# 324
Delta R.T. 0.000 min
Lab File: BN036928.D
Acq: 28 Apr 2025 14:36

Tgt Ion: 112 Resp: 18856
Ion Ratio Lower Upper
112 100
64 69.6 55.7 83.5
63 42.0 33.9 50.9





#5

Phenol-d6

Concen: 3.194 ng

RT: 6.802 min Scan# 543

Delta R.T. 0.000 min

Lab File: BN036928.D

Acq: 28 Apr 2025 14:36

Instrument :

BNA_N

ClientSampleId :

SSTDICC3.2

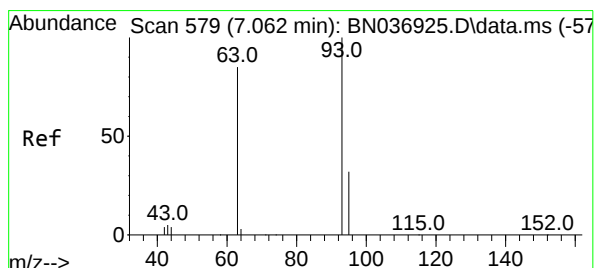
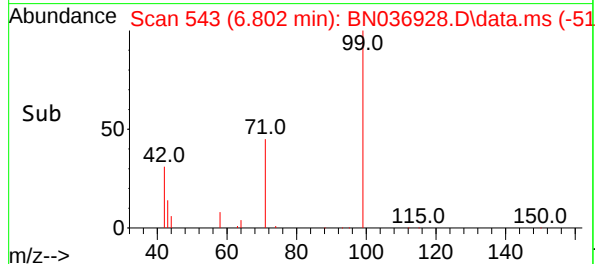
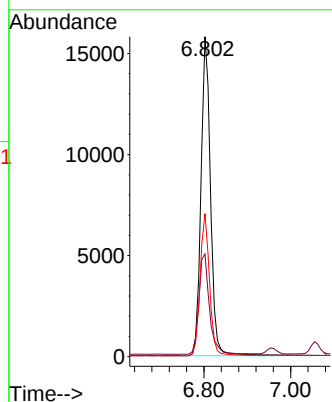
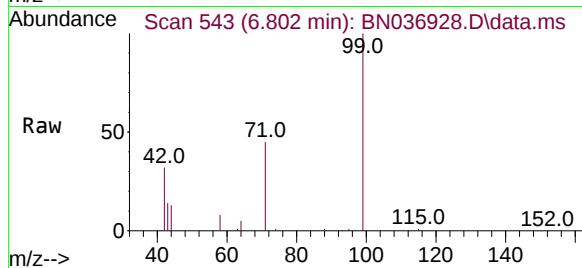
Tgt Ion: 99 Resp: 24093

Ion Ratio Lower Upper

99 100

42 35.0 29.6 44.4

71 44.3 36.0 54.0



#6

bis(2-Chloroethyl)ether

Concen: 3.183 ng

RT: 7.062 min Scan# 579

Delta R.T. 0.000 min

Lab File: BN036928.D

Acq: 28 Apr 2025 14:36

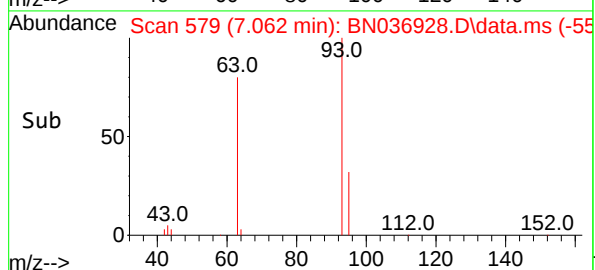
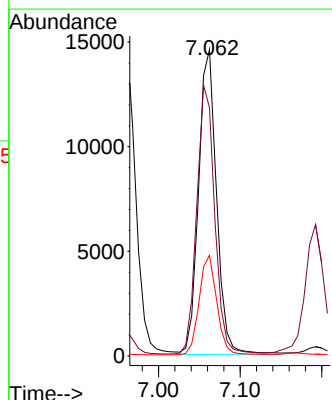
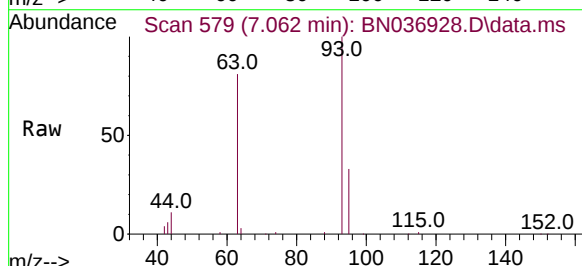
Tgt Ion: 93 Resp: 22311

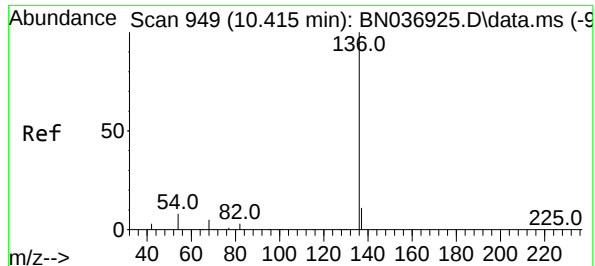
Ion Ratio Lower Upper

93 100

63 87.8 69.0 103.6

95 32.2 25.4 38.0

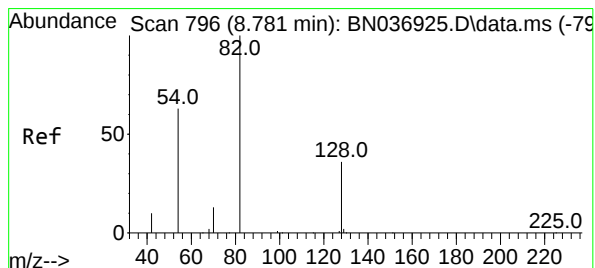
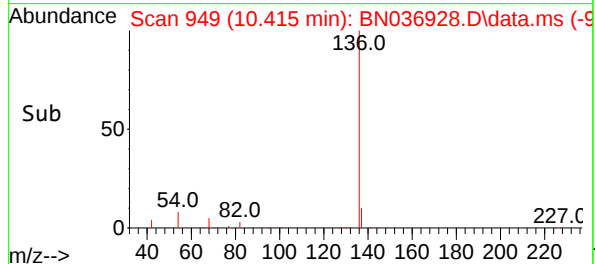
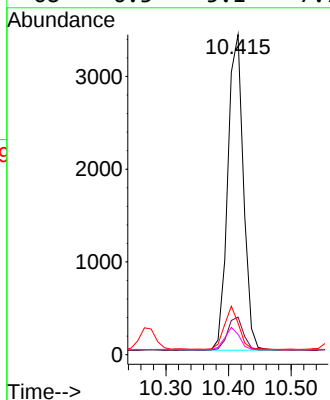
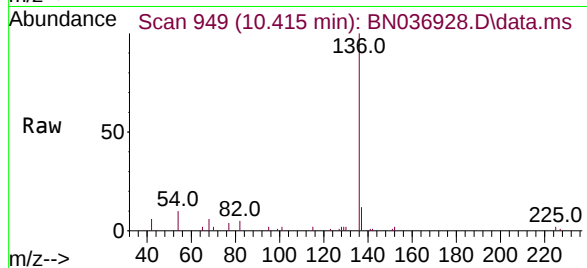




#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.415 min Scan# 949
Delta R.T. 0.000 min
Lab File: BN036928.D
Acq: 28 Apr 2025 14:36

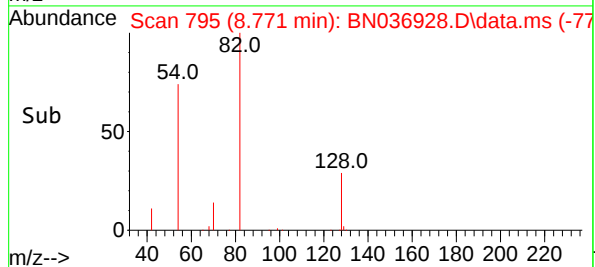
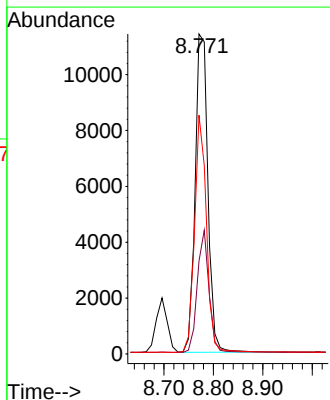
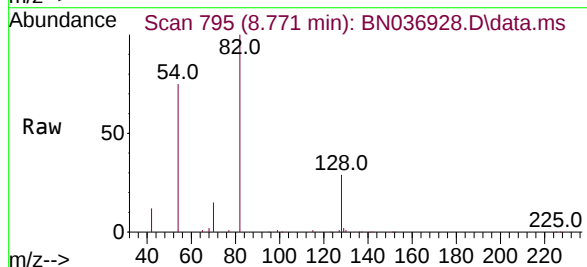
Instrument :
BNA_N
ClientSampleId :
SSTDICC3.2

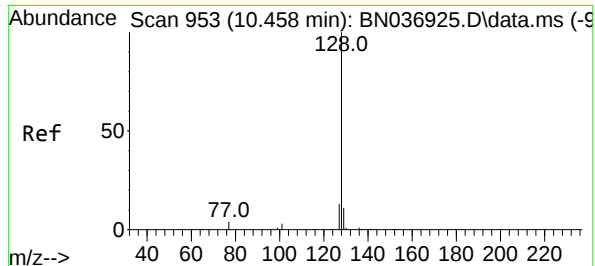
Tgt Ion:	136	Resp:	5910
Ion	Ratio	Lower	Upper
136	100		
137	11.7	9.7	14.5
54	9.9	8.0	12.0
68	6.3	5.1	7.7



#8
Nitrobenzene-d5
Concen: 3.326 ng
RT: 8.771 min Scan# 795
Delta R.T. -0.011 min
Lab File: BN036928.D
Acq: 28 Apr 2025 14:36

Tgt Ion:	82	Resp:	20418
Ion	Ratio	Lower	Upper
82	100		
128	29.1	30.7	46.1#
54	74.6	52.1	78.1

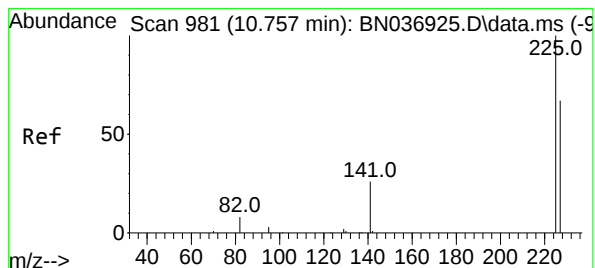
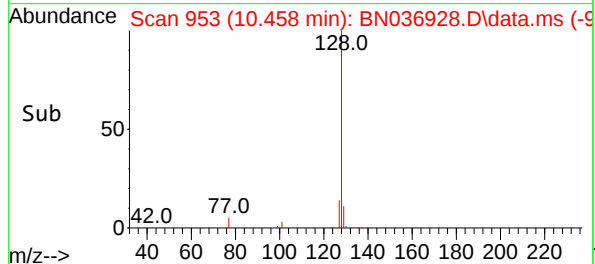
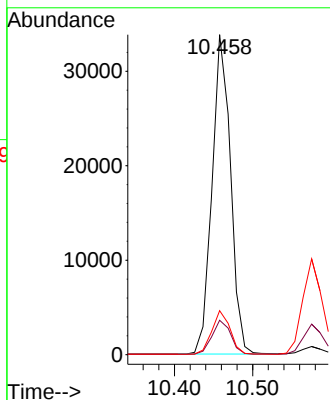
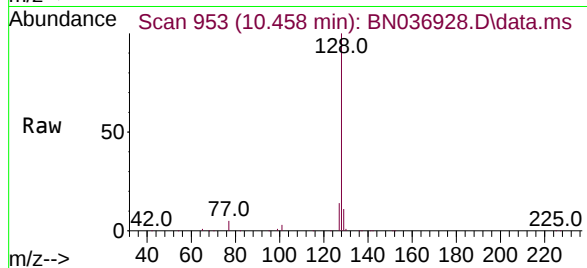




#9
Naphthalene
Concen: 3.217 ng
RT: 10.458 min Scan# 91
Delta R.T. 0.000 min
Lab File: BN036928.D
Acq: 28 Apr 2025 14:36

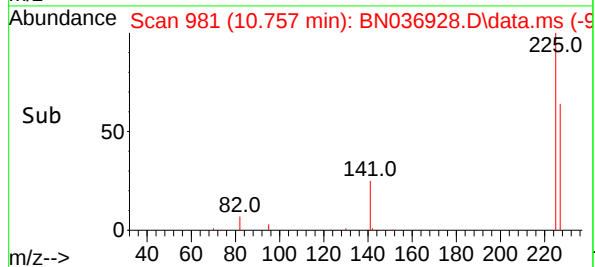
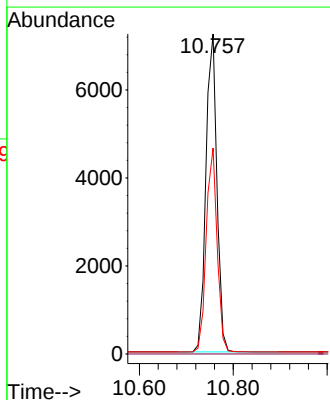
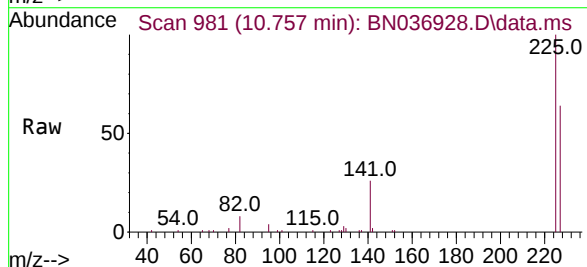
Instrument :
BNA_N
ClientSampleId :
SSTDICC3.2

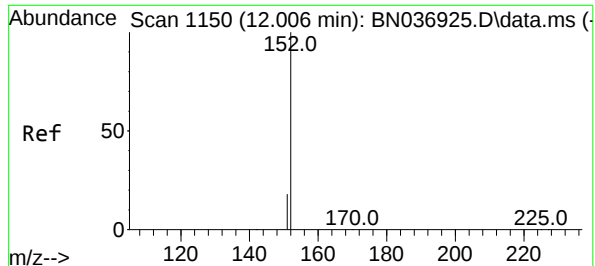
Tgt Ion:128 Resp: 55337
Ion Ratio Lower Upper
128 100
129 10.8 9.8 14.6
127 13.8 11.4 17.2



#10
Hexachlorobutadiene
Concen: 3.121 ng
RT: 10.757 min Scan# 981
Delta R.T. 0.000 min
Lab File: BN036928.D
Acq: 28 Apr 2025 14:36

Tgt Ion:225 Resp: 11705
Ion Ratio Lower Upper
225 100
223 0.0 0.0 0.0
227 63.5 52.2 78.4

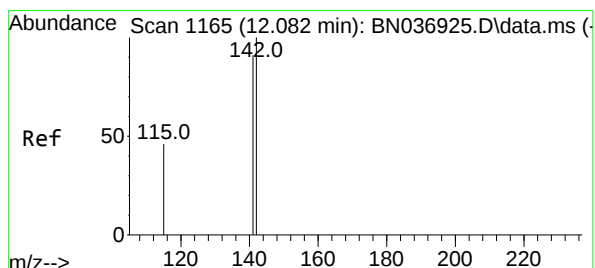
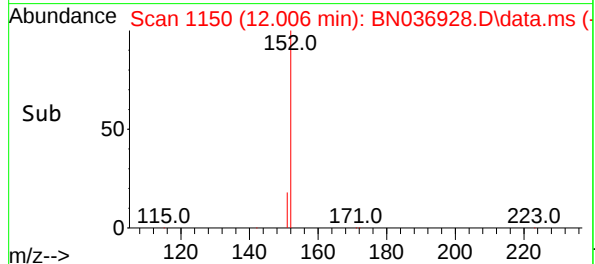
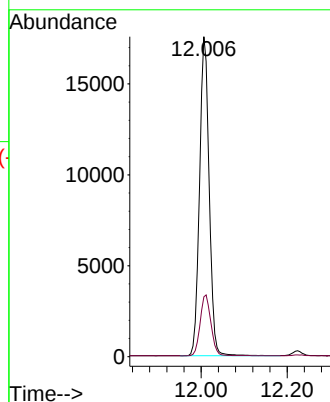
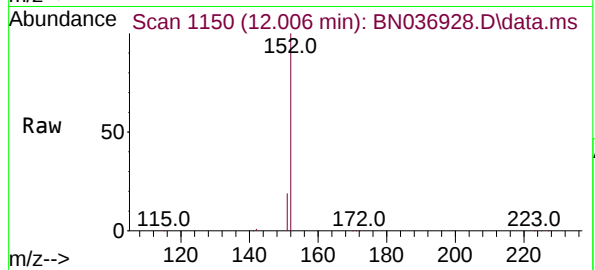




#11
2-Methylnaphthalene-d10
Concen: 3.319 ng
RT: 12.006 min Scan# 1150
Delta R.T. 0.000 min
Lab File: BN036928.D
Acq: 28 Apr 2025 14:36

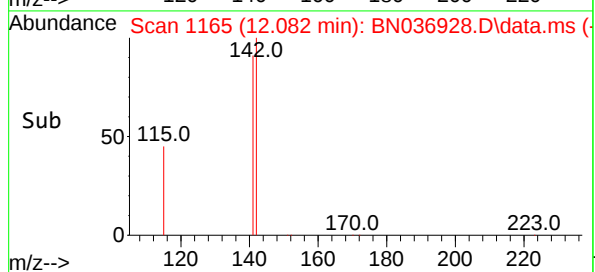
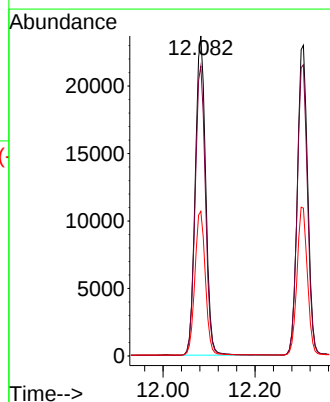
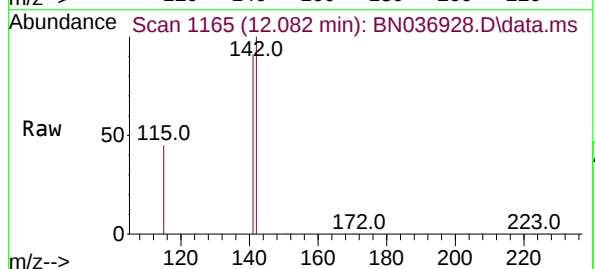
Instrument :
BNA_N
ClientSampleId :
SSTDICC3.2

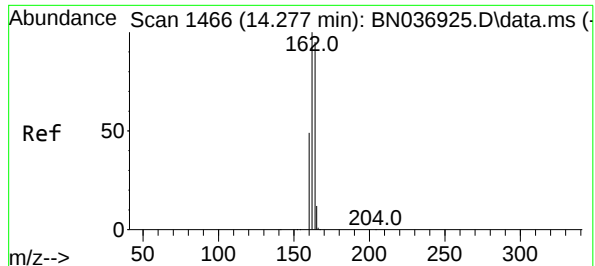
Tgt Ion:152 Resp: 27198
Ion Ratio Lower Upper
152 100
151 21.3 16.9 25.3



#12
2-Methylnaphthalene
Concen: 3.361 ng
RT: 12.082 min Scan# 1165
Delta R.T. 0.000 min
Lab File: BN036928.D
Acq: 28 Apr 2025 14:36

Tgt Ion:142 Resp: 36995
Ion Ratio Lower Upper
142 100
141 90.6 72.8 109.2
115 45.2 38.2 57.4

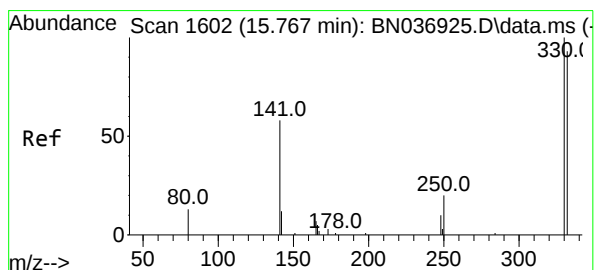
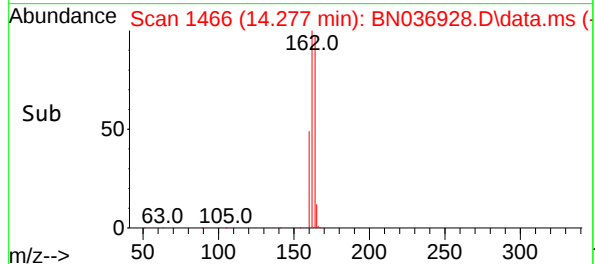
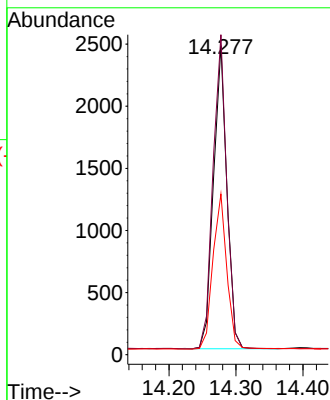
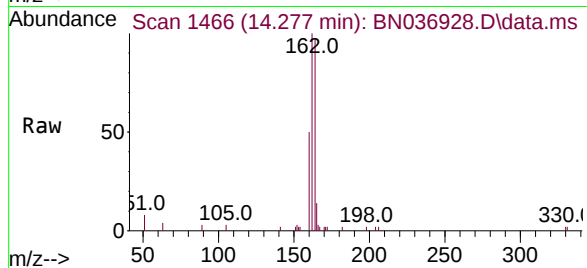




#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.277 min Scan# 1466
Delta R.T. 0.000 min
Lab File: BN036928.D
Acq: 28 Apr 2025 14:36

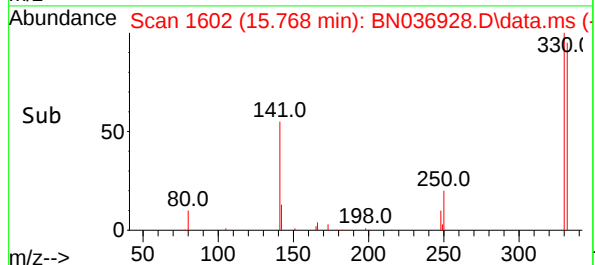
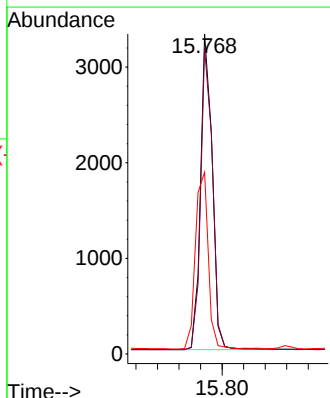
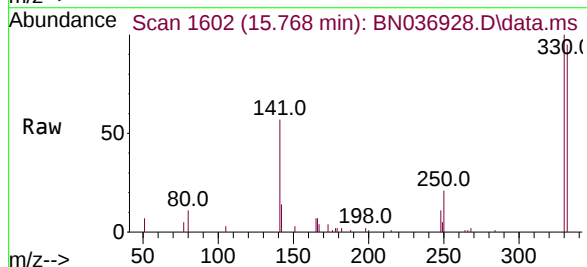
Instrument :
BNA_N
ClientSampleId :
SSTDICC3.2

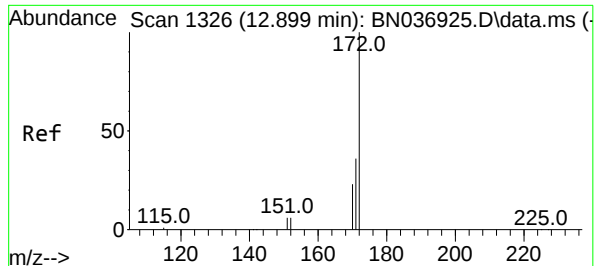
Tgt Ion	164	162	160
Resp:	3394		
Ion Ratio	100	103.5	51.9
Lower		83.8	42.0
Upper		125.8	63.0



#14
2,4,6-Tribromophenol
Concen: 3.360 ng
RT: 15.768 min Scan# 1602
Delta R.T. 0.000 min
Lab File: BN036928.D
Acq: 28 Apr 2025 14:36

Tgt Ion	330	332	141
Resp:	4998		
Ion Ratio	100	96.6	61.6
Lower		76.3	45.4
Upper		114.5	68.2

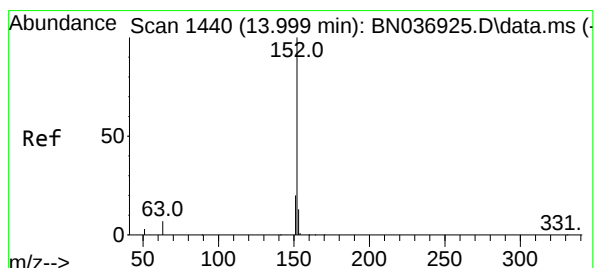
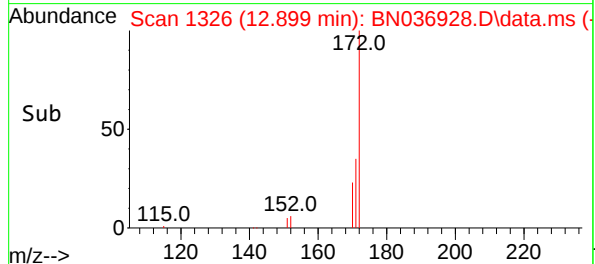
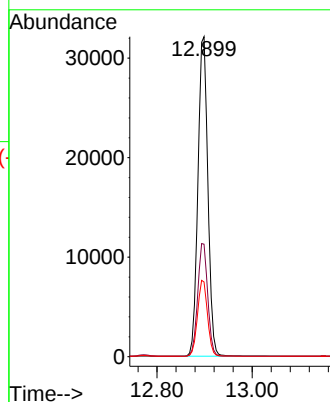
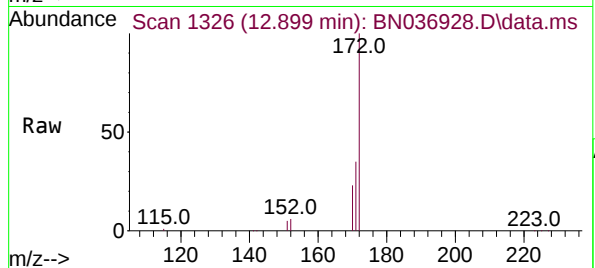




#15
2-Fluorobiphenyl
Concen: 3.285 ng
RT: 12.899 min Scan# 1439
Delta R.T. 0.000 min
Lab File: BN036928.D
Acq: 28 Apr 2025 14:36

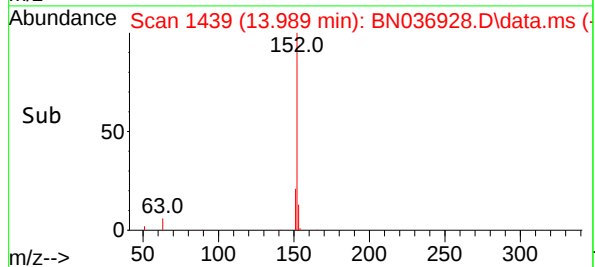
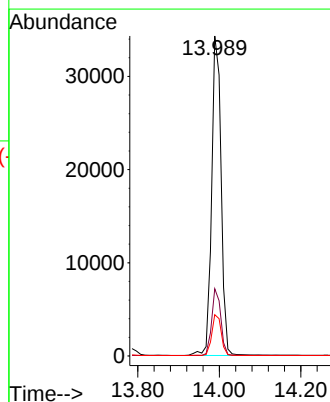
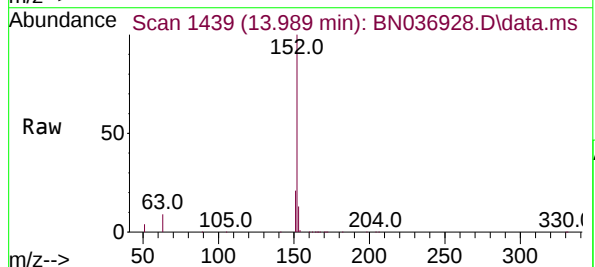
Instrument :
BNA_N
ClientSampleId :
SSTDICC3.2

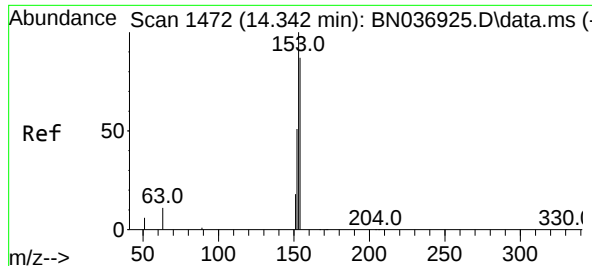
Tgt Ion:172 Resp: 53914
Ion Ratio Lower Upper
172 100
171 35.2 29.4 44.0
170 23.4 19.4 29.0



#16
Acenaphthylene
Concen: 3.362 ng
RT: 13.989 min Scan# 1439
Delta R.T. -0.011 min
Lab File: BN036928.D
Acq: 28 Apr 2025 14:36

Tgt Ion:152 Resp: 55247
Ion Ratio Lower Upper
152 100
151 20.1 16.0 24.0
153 12.8 10.2 15.2

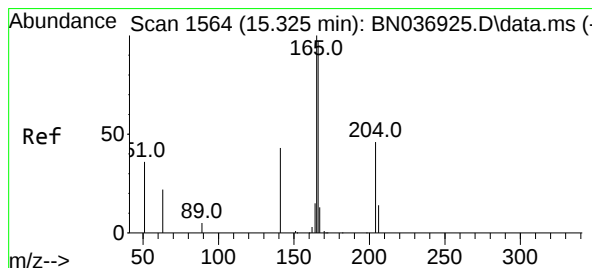
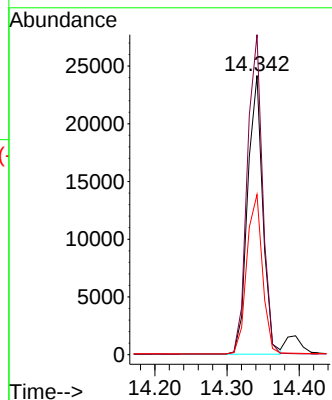
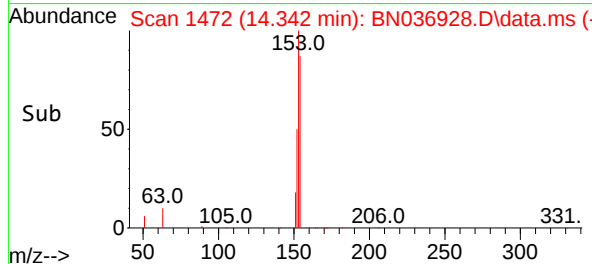
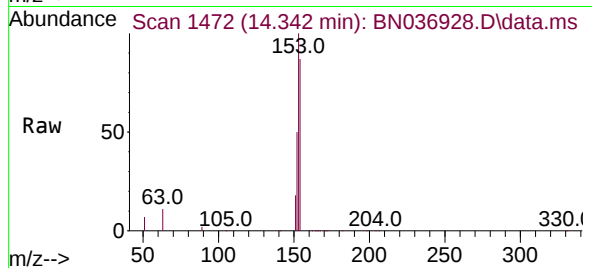




#17
Acenaphthene
Concen: 3.236 ng
RT: 14.342 min Scan# 1472
Delta R.T. 0.000 min
Lab File: BN036928.D
Acq: 28 Apr 2025 14:36

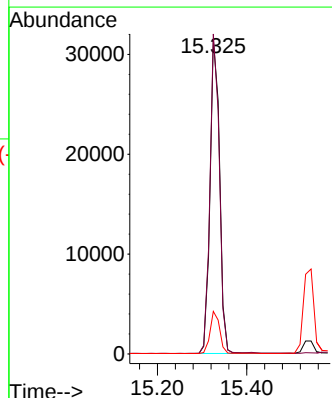
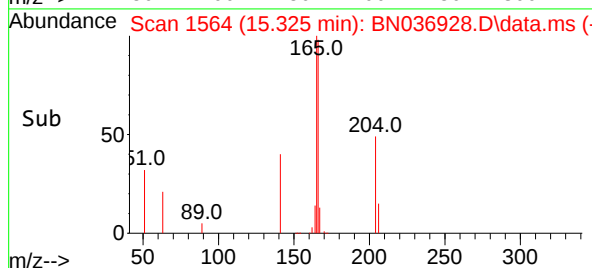
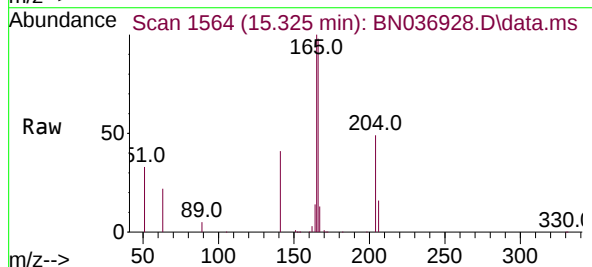
Instrument :
BNA_N
ClientSampleId :
SSTDICC3.2

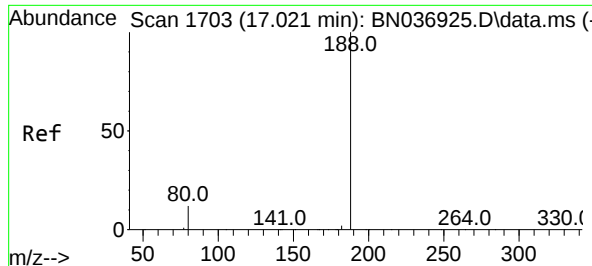
Tgt Ion:154 Resp: 35171
Ion Ratio Lower Upper
154 100
153 115.7 93.4 140.2
152 59.7 49.5 74.3



#18
Fluorene
Concen: 3.301 ng
RT: 15.325 min Scan# 1564
Delta R.T. 0.000 min
Lab File: BN036928.D
Acq: 28 Apr 2025 14:36

Tgt Ion:166 Resp: 46714
Ion Ratio Lower Upper
166 100
165 99.7 80.8 121.2
167 13.3 10.8 16.2





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 17.021 min Scan# 11

Delta R.T. 0.000 min

Lab File: BN036928.D

Acq: 28 Apr 2025 14:36

Instrument :

BNA_N

ClientSampleId :

SSTDICC3.2

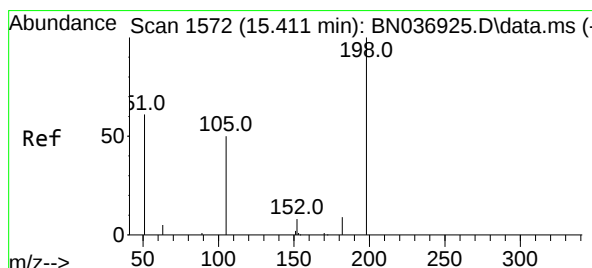
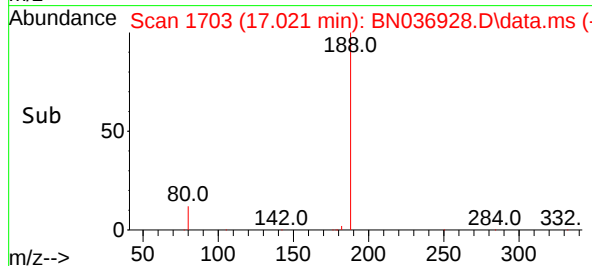
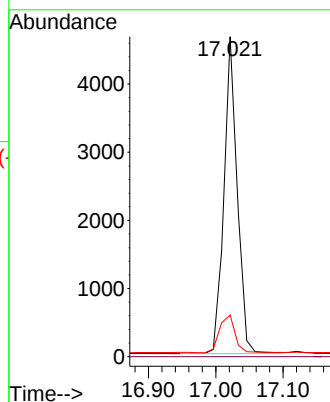
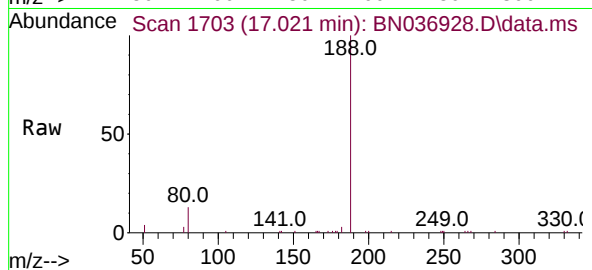
Tgt Ion:188 Resp: 6361

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

80 13.0 10.7 16.1



#20

4,6-Dinitro-2-methylphenol

Concen: 3.823 ng

RT: 15.411 min Scan# 1572

Delta R.T. -0.000 min

Lab File: BN036928.D

Acq: 28 Apr 2025 14:36

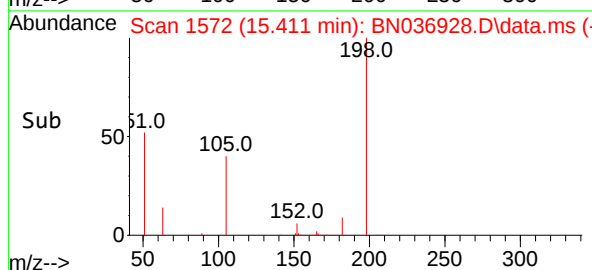
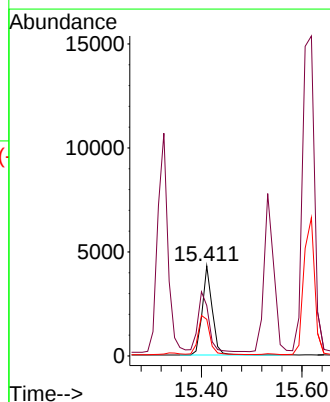
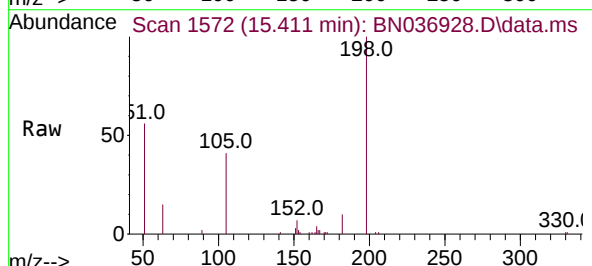
Tgt Ion:198 Resp: 6093

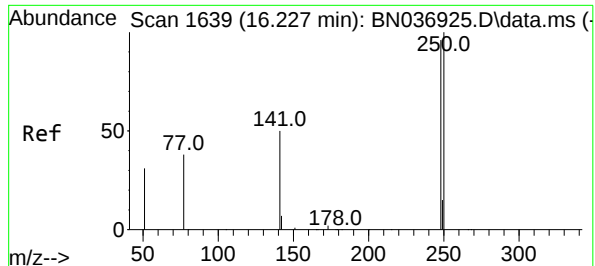
Ion Ratio Lower Upper

198 100

51 56.0 97.9 146.9#

105 40.7 50.0 75.0#

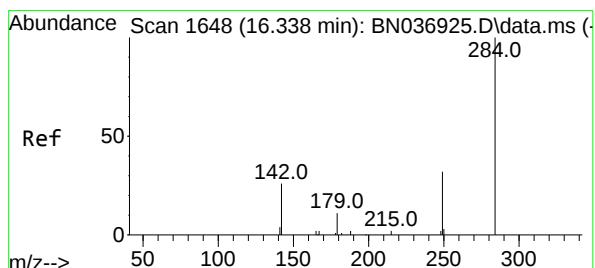
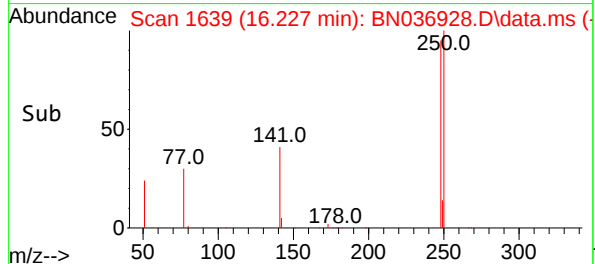
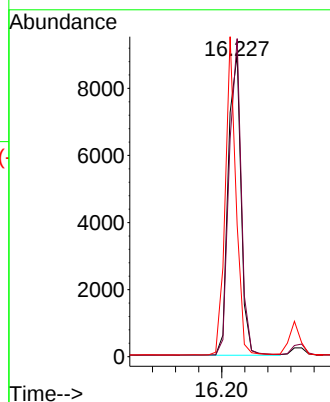
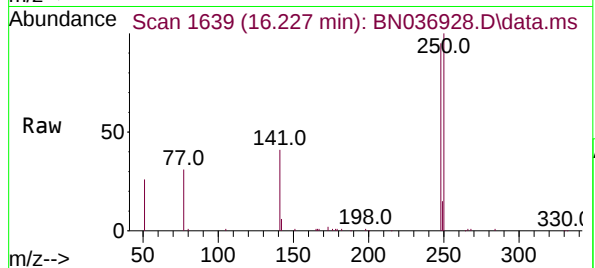




#21
4-Bromophenyl-phenylether
Concen: 3.266 ng
RT: 16.227 min Scan# 1639
Delta R.T. 0.000 min
Lab File: BN036928.D
Acq: 28 Apr 2025 14:36

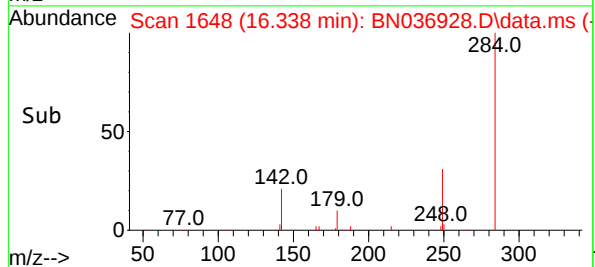
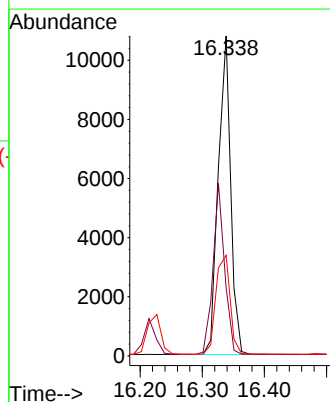
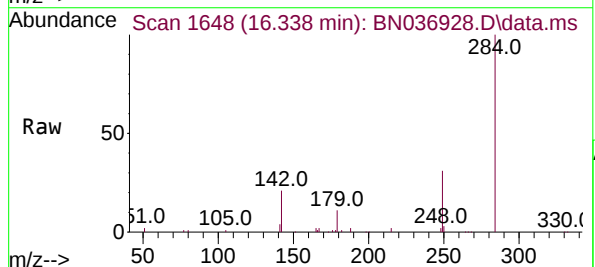
Instrument :
BNA_N
ClientSampleId :
SSTDICC3.2

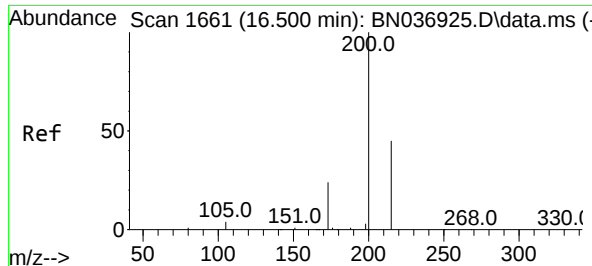
Tgt Ion	Ratio	Lower	Upper
248	100		
250	105.4	83.7	125.5
141	43.6	43.8	65.8



#22
Hexachlorobenzene
Concen: 3.181 ng
RT: 16.338 min Scan# 1648
Delta R.T. 0.000 min
Lab File: BN036928.D
Acq: 28 Apr 2025 14:36

Tgt Ion	Ratio	Lower	Upper
284	100		
142	50.5	40.0	60.0
249	35.8	28.2	42.2

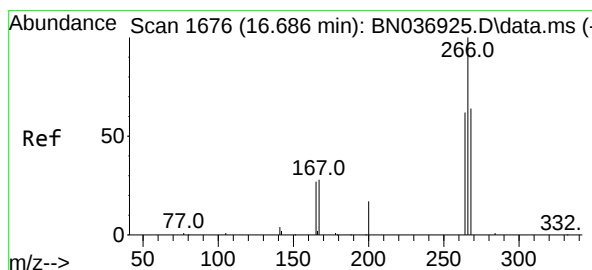
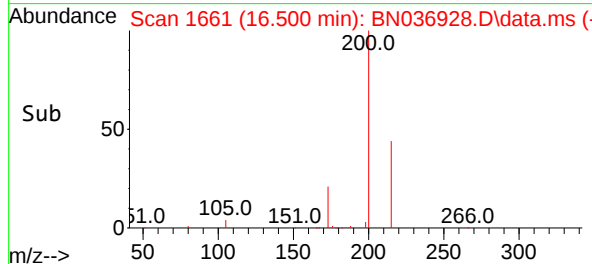
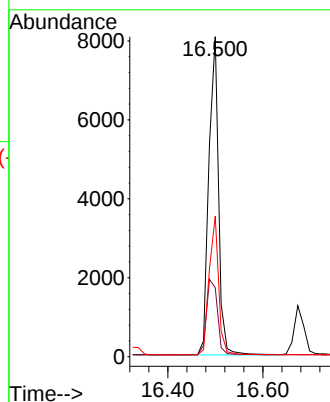
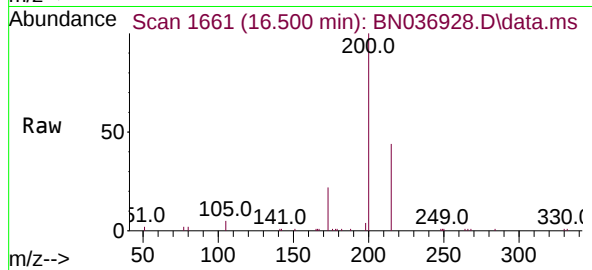




#23
Atrazine
Concen: 3.449 ng
RT: 16.500 min Scan# 1661
Delta R.T. 0.000 min
Lab File: BN036928.D
Acq: 28 Apr 2025 14:36

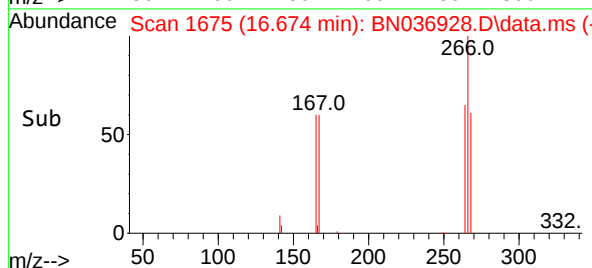
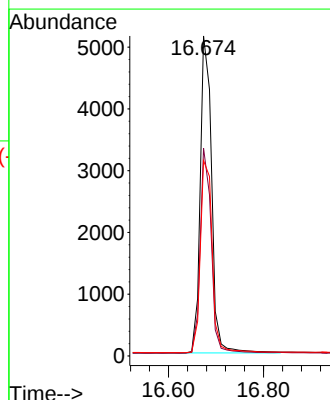
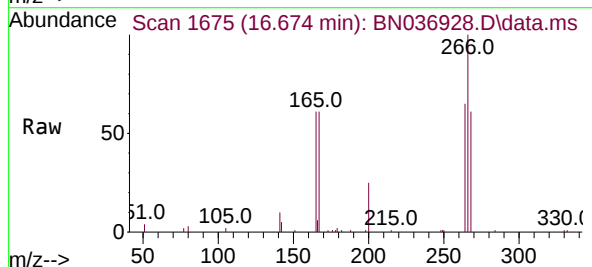
Instrument :
BNA_N
ClientSampleId :
SSTDICC3.2

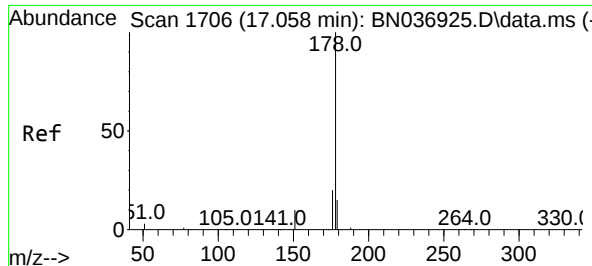
Tgt Ion	Ratio	Lower	Upper
200	100		
173	21.6	22.4	33.6#
215	43.9	38.6	57.8



#24
Pentachlorophenol
Concen: 3.511 ng
RT: 16.674 min Scan# 1675
Delta R.T. -0.012 min
Lab File: BN036928.D
Acq: 28 Apr 2025 14:36

Tgt Ion	Ratio	Lower	Upper
266	100		
264	62.8	49.9	74.9
268	63.7	52.2	78.4

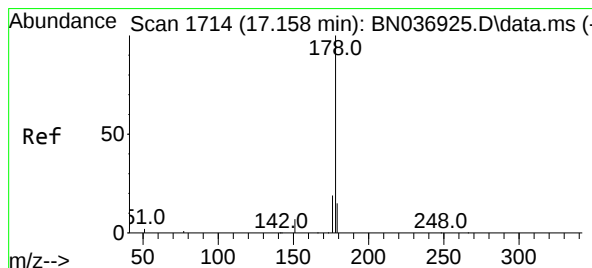
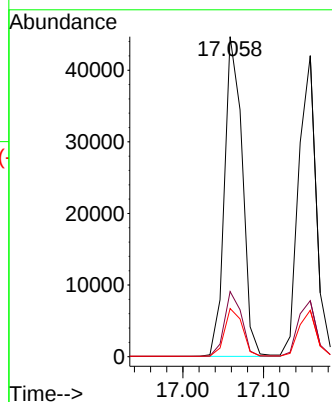
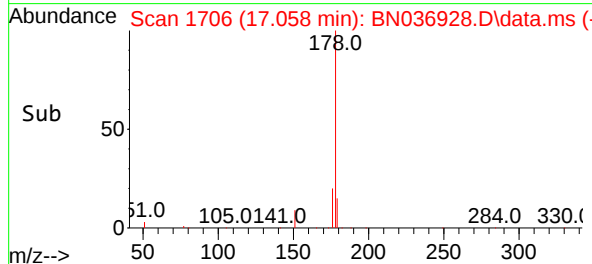
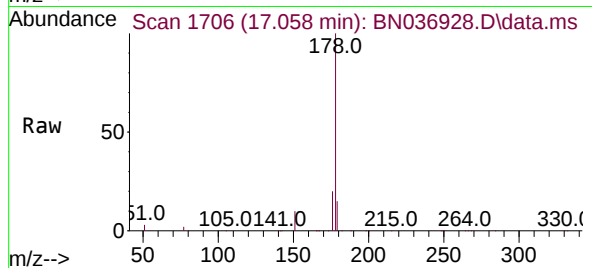




#25
Phenanthrene
Concen: 3.273 ng
RT: 17.058 min Scan# 1706
Delta R.T. 0.000 min
Lab File: BN036928.D
Acq: 28 Apr 2025 14:36

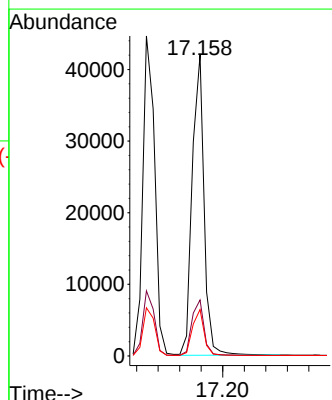
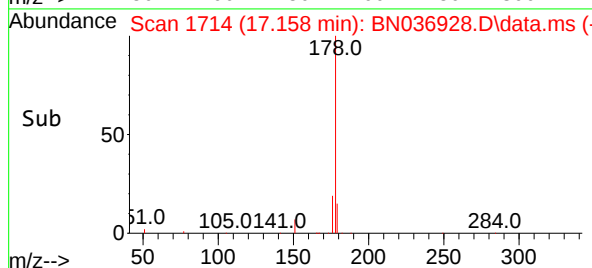
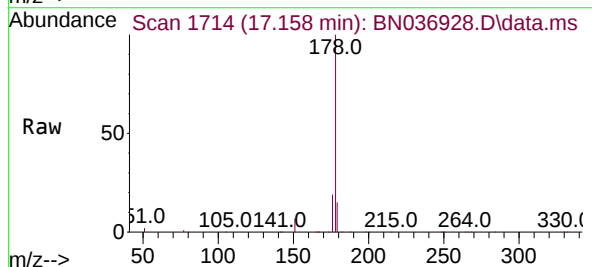
Instrument :
BNA_N
ClientSampleId :
SSTDICC3.2

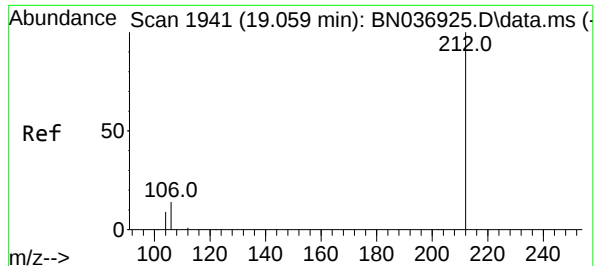
Tgt Ion:178 Resp: 68482
Ion Ratio Lower Upper
178 100
176 19.8 15.7 23.5
179 15.1 12.4 18.6



#26
Anthracene
Concen: 3.430 ng
RT: 17.158 min Scan# 1714
Delta R.T. 0.000 min
Lab File: BN036928.D
Acq: 28 Apr 2025 14:36

Tgt Ion:178 Resp: 64181
Ion Ratio Lower Upper
178 100
176 19.0 15.3 22.9
179 15.2 12.1 18.1

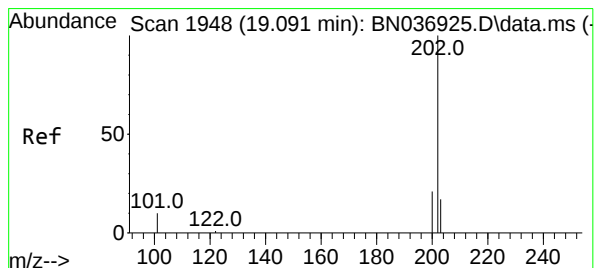
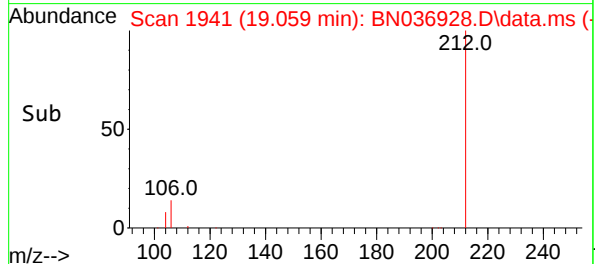
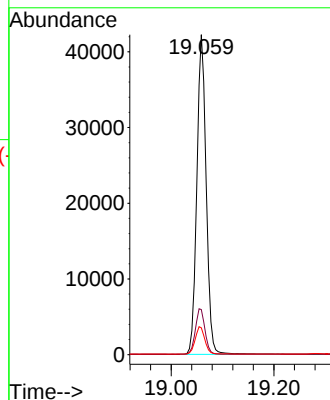
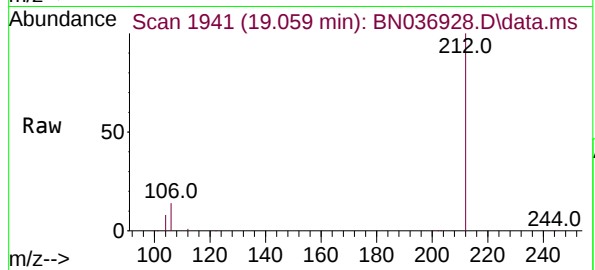




#27
Fluoranthene-d10
Concen: 3.290 ng
RT: 19.059 min Scan# 1941
Delta R.T. 0.000 min
Lab File: BN036928.D
Acq: 28 Apr 2025 14:36

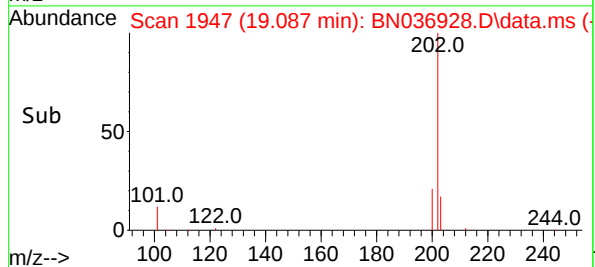
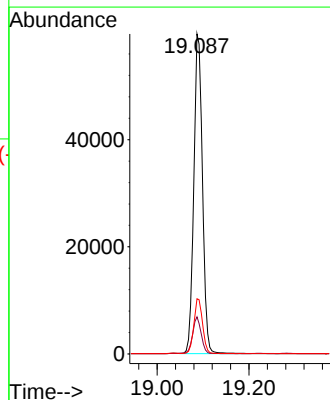
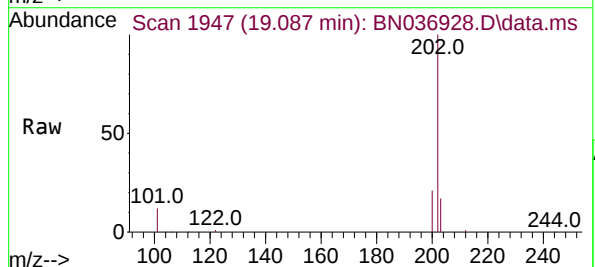
Instrument :
BNA_N
ClientSampleId :
SSTDICC3.2

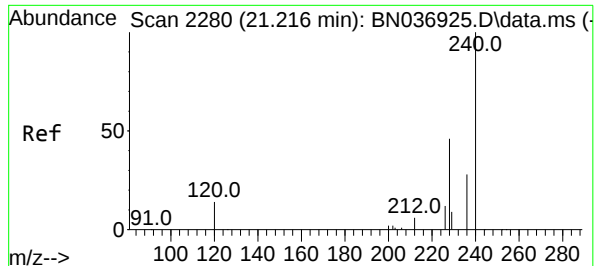
Tgt Ion:212 Resp: 53576
Ion Ratio Lower Upper
212 100
106 14.7 11.6 17.4
104 8.8 7.0 10.4



#28
Fluoranthene
Concen: 3.358 ng
RT: 19.087 min Scan# 1947
Delta R.T. -0.005 min
Lab File: BN036928.D
Acq: 28 Apr 2025 14:36

Tgt Ion:202 Resp: 77836
Ion Ratio Lower Upper
202 100
101 11.5 8.5 12.7
203 17.2 13.7 20.5

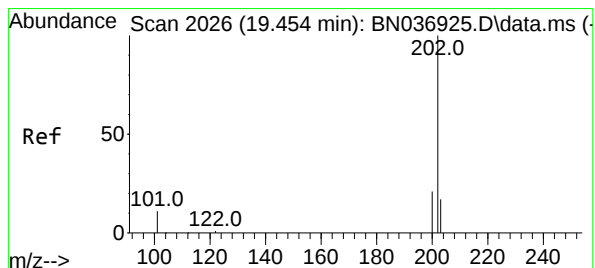
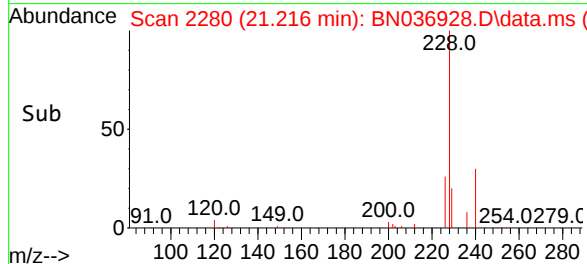
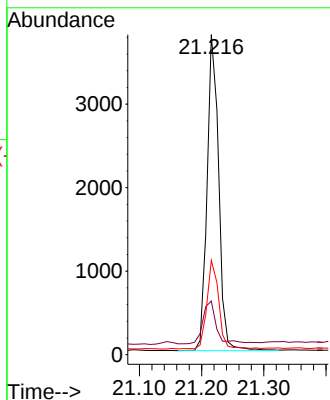
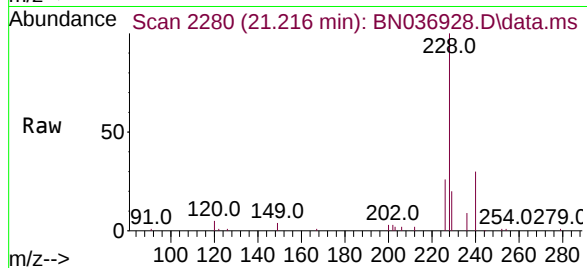




#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.216 min Scan# 21
Delta R.T. 0.000 min
Lab File: BN036928.D
Acq: 28 Apr 2025 14:36

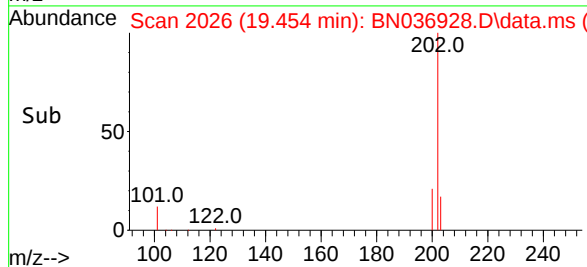
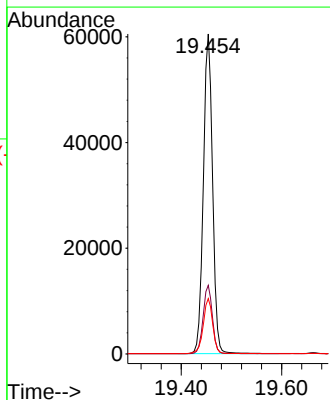
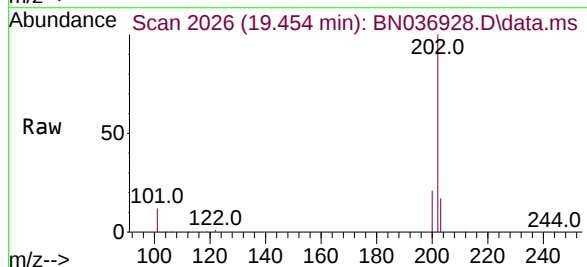
Instrument :
BNA_N
ClientSampleId :
SSTDICC3.2

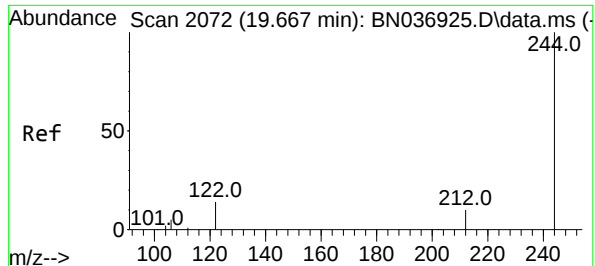
Tgt Ion:240 Resp: 4896
Ion Ratio Lower Upper
240 100
120 16.7 14.1 21.1
236 29.5 23.8 35.8



#30
Pyrene
Concen: 3.241 ng
RT: 19.454 min Scan# 2026
Delta R.T. 0.000 min
Lab File: BN036928.D
Acq: 28 Apr 2025 14:36

Tgt Ion:202 Resp: 77117
Ion Ratio Lower Upper
202 100
200 21.5 17.0 25.6
203 17.7 14.0 21.0

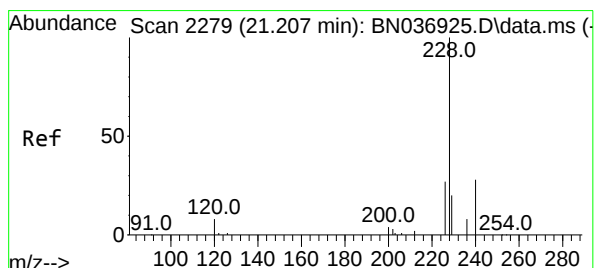
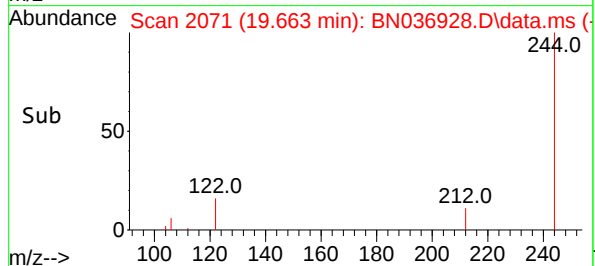
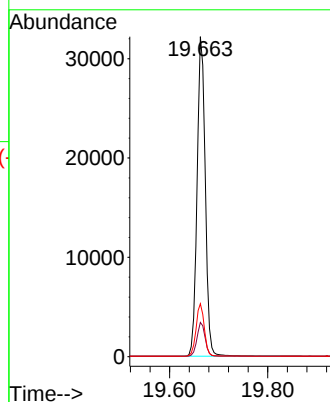
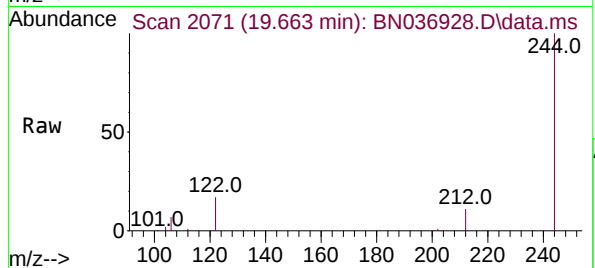




#31
Terphenyl-d14
Concen: 3.200 ng
RT: 19.663 min Scan# 2072
Delta R.T. -0.005 min
Lab File: BN036928.D
Acq: 28 Apr 2025 14:36

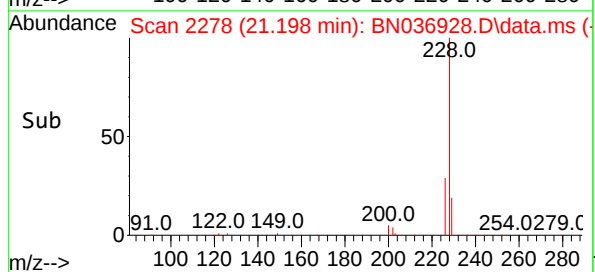
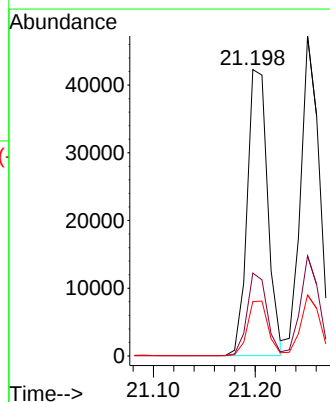
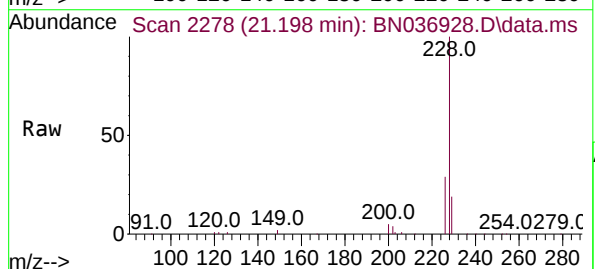
Instrument :
BNA_N
ClientSampleId :
SSTDICC3.2

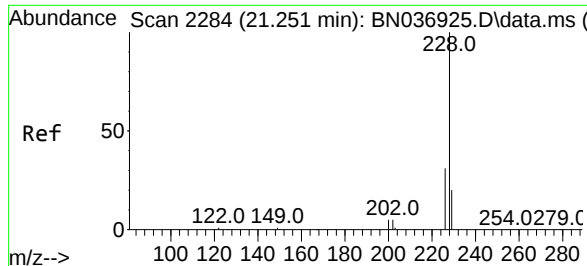
Tgt Ion:244 Resp: 37287
Ion Ratio Lower Upper
244 100
212 10.7 9.6 14.4
122 16.5 12.7 19.1



#32
Benzo(a)anthracene
Concen: 3.310 ng
RT: 21.198 min Scan# 2278
Delta R.T. -0.009 min
Lab File: BN036928.D
Acq: 28 Apr 2025 14:36

Tgt Ion:228 Resp: 59092
Ion Ratio Lower Upper
228 100
226 29.0 22.2 33.4
229 19.0 16.4 24.6





#33

Chrysene

Concen: 3.149 ng

RT: 21.251 min Scan# 21

Delta R.T. 0.000 min

Lab File: BN036928.D

Acq: 28 Apr 2025 14:36

Instrument :

BNA_N

ClientSampleId :

SSTDICC3.2

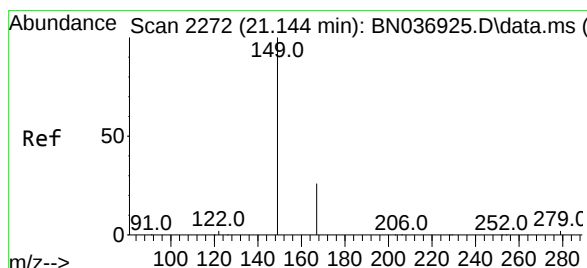
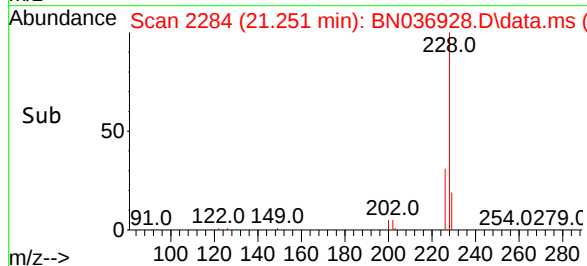
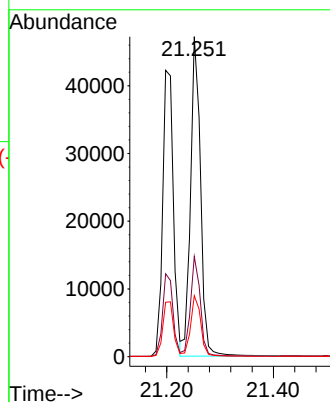
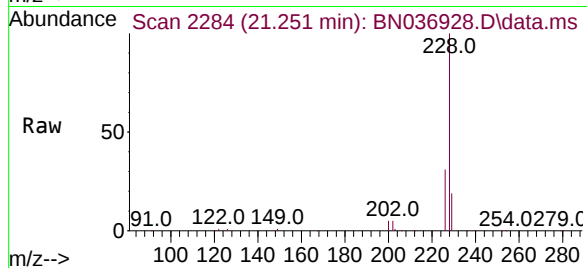
Tgt Ion:228 Resp: 61582

Ion Ratio Lower Upper

228 100

226 31.3 25.5 38.3

229 19.1 16.5 24.7



#34

Bis(2-ethylhexyl)phthalate

Concen: 3.002 ng

RT: 21.144 min Scan# 2272

Delta R.T. 0.000 min

Lab File: BN036928.D

Acq: 28 Apr 2025 14:36

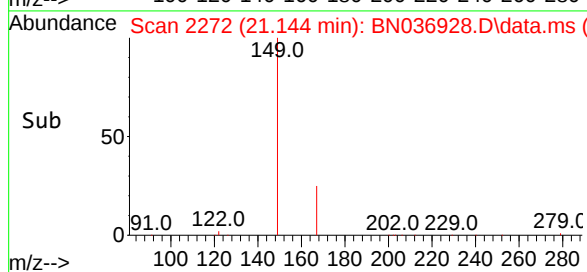
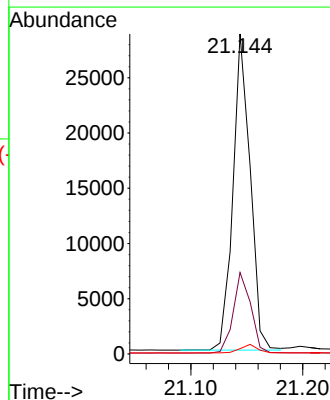
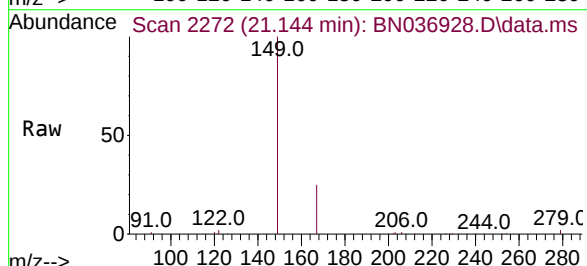
Tgt Ion:149 Resp: 30625

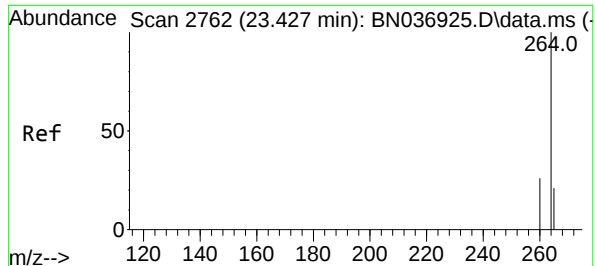
Ion Ratio Lower Upper

149 100

167 26.0 21.0 31.6

279 2.7 2.7 4.1#





#35

Perylene-d12

Concen: 0.400 ng

RT: 23.430 min Scan# 21

Delta R.T. 0.003 min

Lab File: BN036928.D

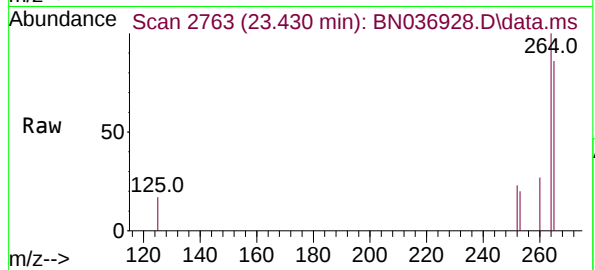
Acq: 28 Apr 2025 14:36

Instrument :

BNA_N

ClientSampleId :

SSTDICC3.2



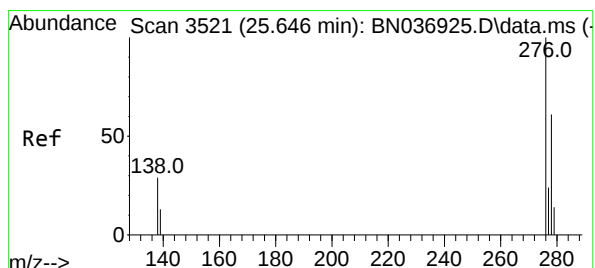
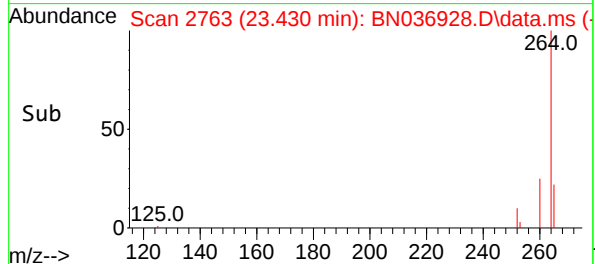
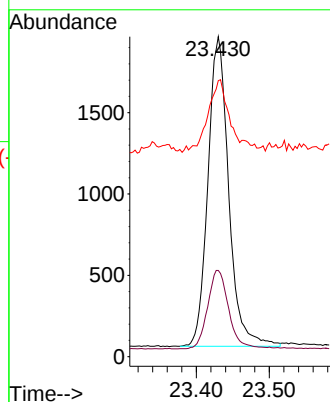
Tgt Ion:264 Resp: 3763

Ion Ratio Lower Upper

264 100

260 26.9 22.2 33.2

265 86.3 65.8 98.6



#36

Indeno(1,2,3-cd)pyrene

Concen: 3.369 ng

RT: 25.643 min Scan# 3520

Delta R.T. -0.003 min

Lab File: BN036928.D

Acq: 28 Apr 2025 14:36

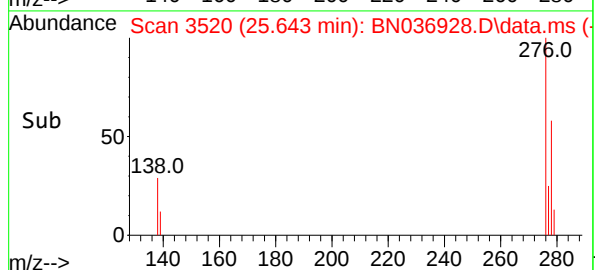
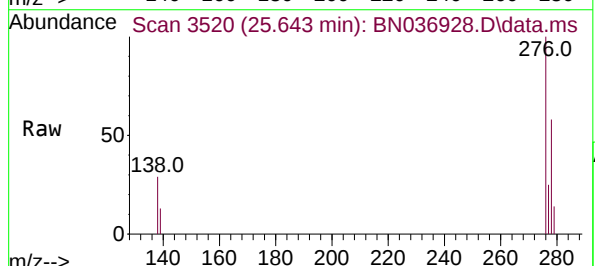
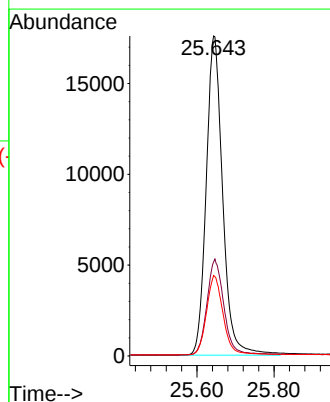
Tgt Ion:276 Resp: 51906

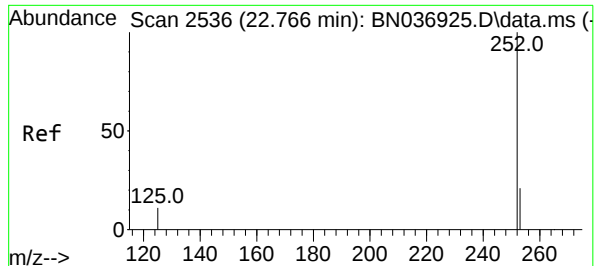
Ion Ratio Lower Upper

276 100

138 30.7 23.0 34.6

277 25.1 20.0 30.0





#37

Benzo(b)fluoranthene

Concen: 3.393 ng

RT: 22.766 min Scan# 2536

Delta R.T. 0.000 min

Lab File: BN036928.D

Acq: 28 Apr 2025 14:36

Instrument :

BNA_N

ClientSampleId :

SSTDICC3.2

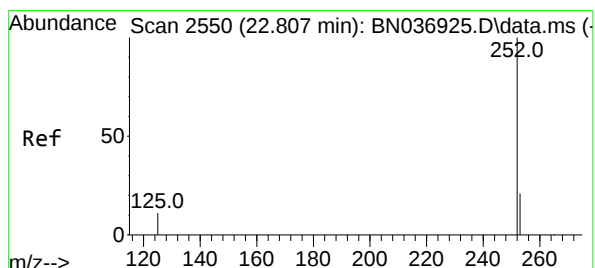
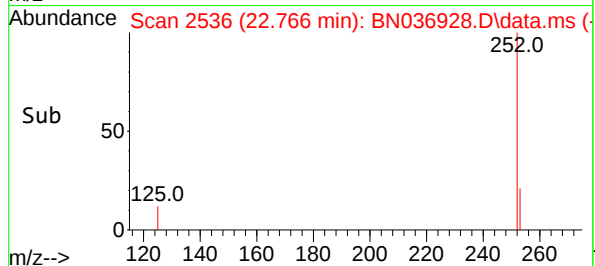
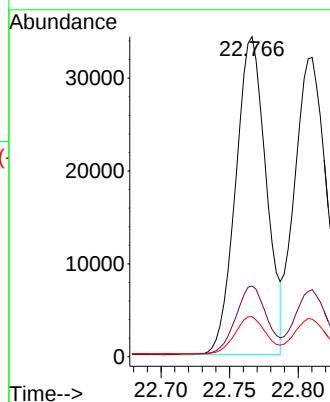
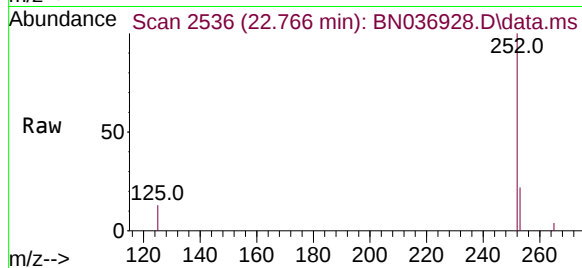
Tgt Ion:252 Resp: 52921

Ion Ratio Lower Upper

252 100

253 22.1 22.1 33.1

125 12.6 14.2 21.2#



#38

Benzo(k)fluoranthene

Concen: 3.406 ng

RT: 22.810 min Scan# 2551

Delta R.T. 0.003 min

Lab File: BN036928.D

Acq: 28 Apr 2025 14:36

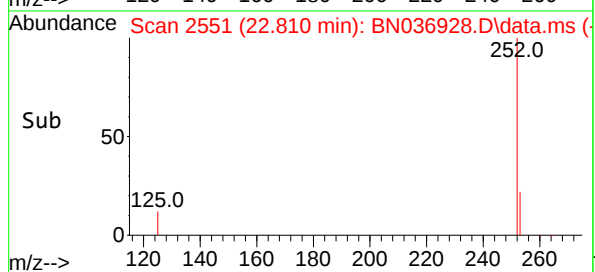
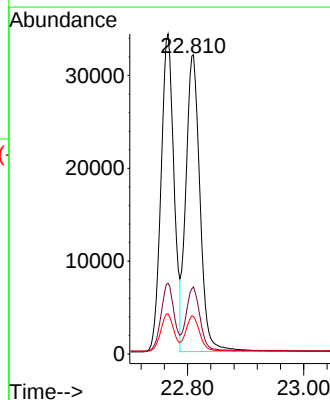
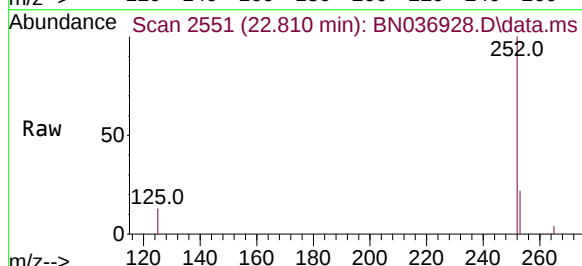
Tgt Ion:252 Resp: 53706

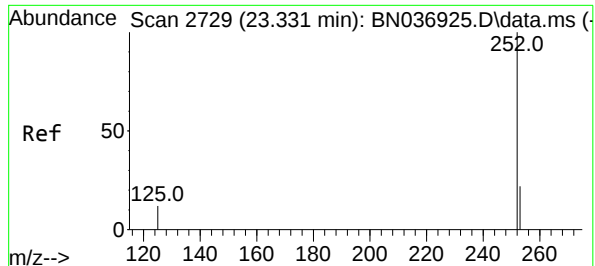
Ion Ratio Lower Upper

252 100

253 22.4 22.8 34.2#

125 12.5 14.2 21.2#





#39

Benzo(a)pyrene

Concen: 3.387 ng

RT: 23.331 min Scan# 21

Delta R.T. 0.000 min

Lab File: BN036928.D

Acq: 28 Apr 2025 14:36

Instrument :

BNA_N

ClientSampleId :

SSTDICC3.2

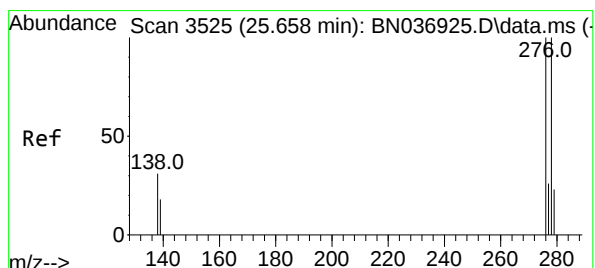
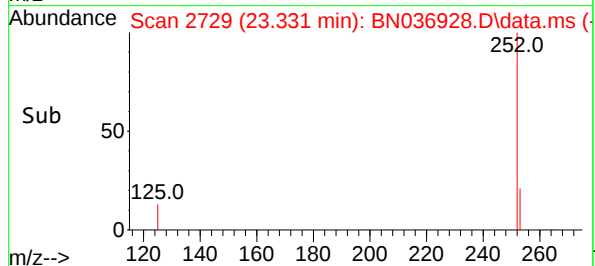
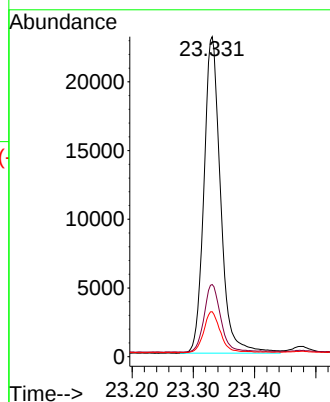
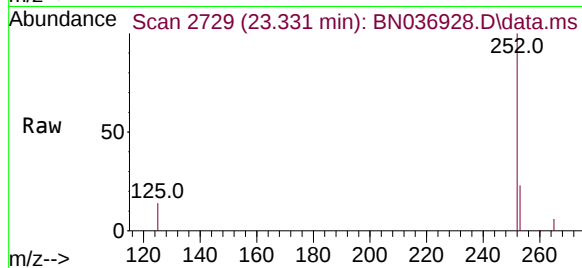
Tgt Ion:252 Resp: 43554

Ion Ratio Lower Upper

252 100

253 22.6 25.9 38.9#

125 14.1 17.4 26.0#



#40

Dibenzo(a,h)anthracene

Concen: 3.423 ng

RT: 25.655 min Scan# 3524

Delta R.T. -0.003 min

Lab File: BN036928.D

Acq: 28 Apr 2025 14:36

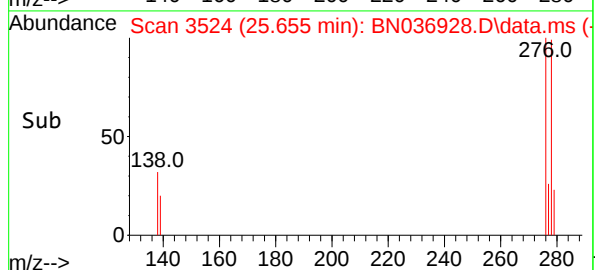
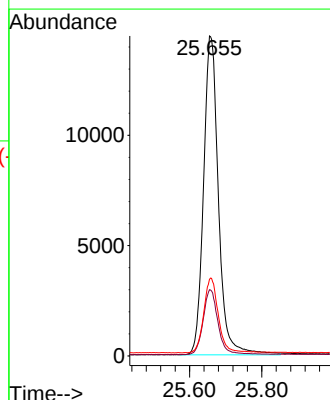
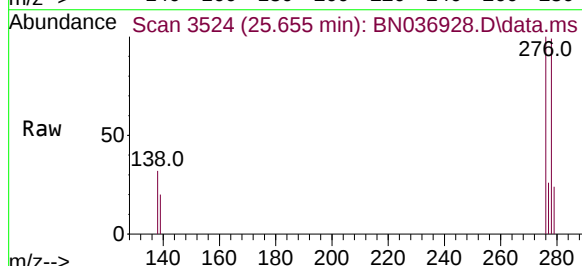
Tgt Ion:278 Resp: 41500

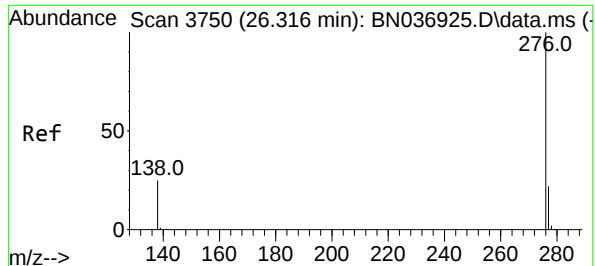
Ion Ratio Lower Upper

278 100

139 20.7 17.4 26.2

279 23.9 24.9 37.3#





#41

Benzo(g,h,i)perylene

Concen: 3.263 ng

RT: 26.319 min Scan# 31

Delta R.T. 0.003 min

Lab File: BN036928.D

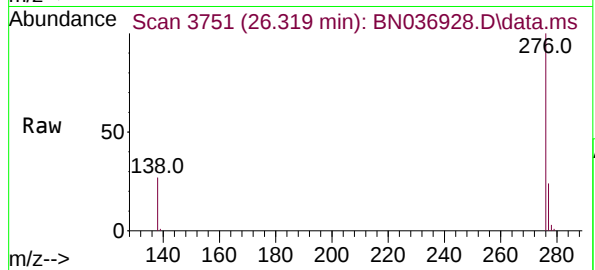
Acq: 28 Apr 2025 14:36

Instrument :

BNA_N

ClientSampleId :

SSTDICC3.2



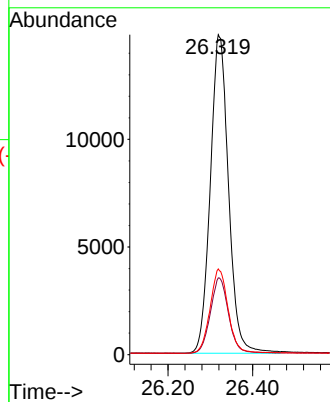
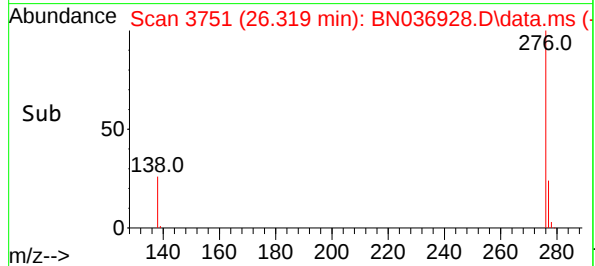
Tgt Ion:276 Resp: 44250

Ion Ratio Lower Upper

276 100

277 24.0 20.2 30.2

138 26.8 21.9 32.9



Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN042825\
 Data File : BN036929.D
 Acq On : 28 Apr 2025 15:12
 Operator : RC/JU
 Sample : SSTDICC5.0
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 SSTDICC5.0

Quant Time: Apr 28 15:34:02 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN042825.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Apr 28 15:18:01 2025
 Response via : Initial Calibration

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

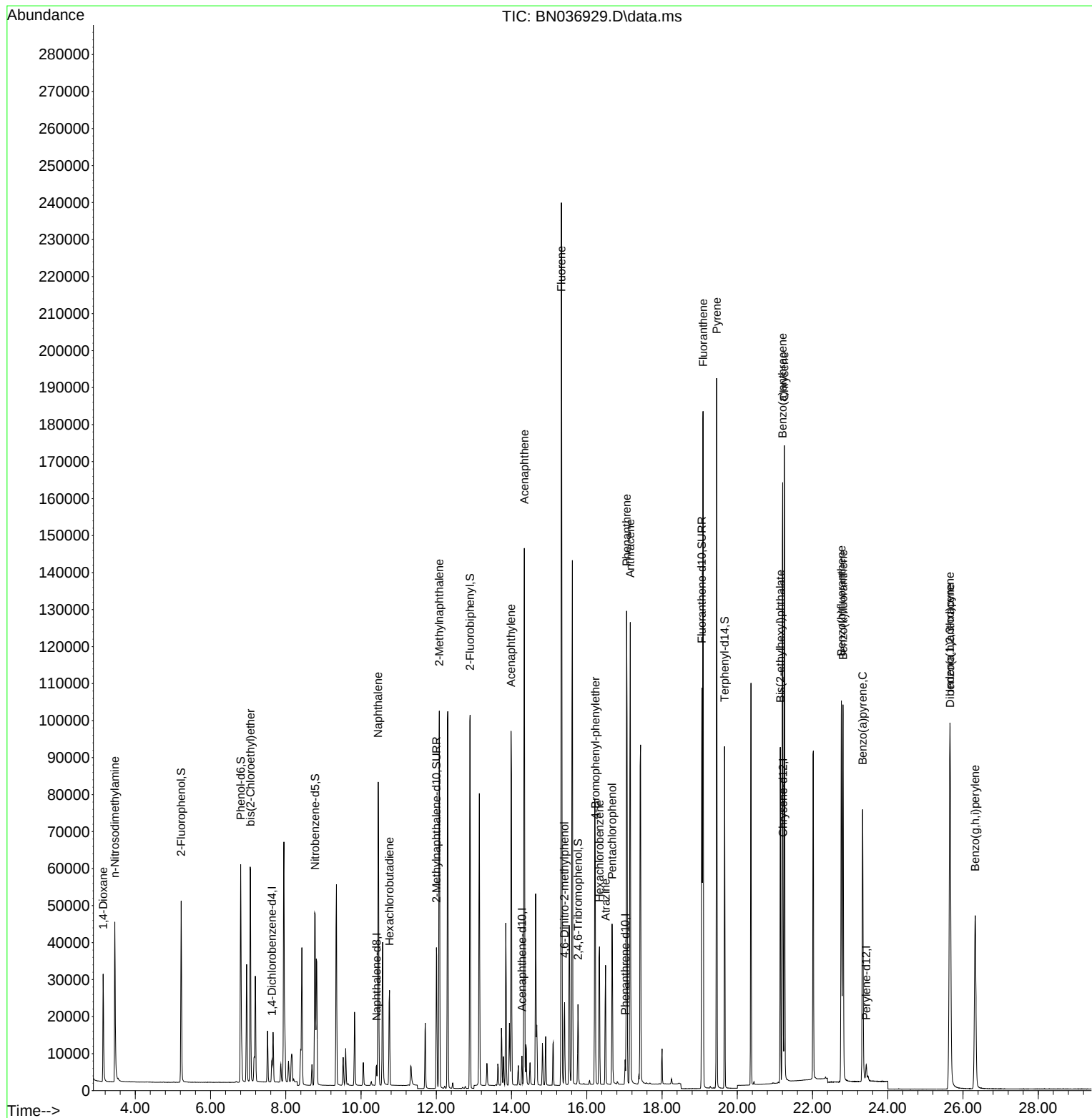
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.632	152	2667	0.400	ng	0.00
7) Naphthalene-d8	10.415	136	6741	0.400	ng	0.00
13) Acenaphthene-d10	14.277	164	4034	0.400	ng	0.00
19) Phenanthrene-d10	17.021	188	7924	0.400	ng	0.00
29) Chrysene-d12	21.215	240	7034	0.400	ng	0.00
35) Perylene-d12	23.427	264	5350	0.400	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.220	112	32346	4.701	ng	0.00
5) Phenol-d6	6.802	99	42419	5.060	ng	0.00
8) Nitrobenzene-d5	8.781	82	36759	5.249	ng	0.00
11) 2-Methylnaphthalene-d10	12.006	152	49610	5.308	ng	0.00
14) 2,4,6-Tribromophenol	15.767	330	9898	5.599	ng	0.00
15) 2-Fluorobiphenyl	12.898	172	97228	4.984	ng	0.00
27) Fluoranthene-d10	19.058	212	110482	5.447	ng	0.00
31) Terphenyl-d14	19.662	244	78873	4.712	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.147	88	15494	4.610	ng	96
3) n-Nitrosodimethylamine	3.458	42	30605	4.705	ng	# 98
6) bis(2-Chloroethyl)ether	7.062	93	38731	4.973	ng	99
9) Naphthalene	10.457	128	98160	5.004	ng	98
10) Hexachlorobutadiene	10.756	225	20245	4.733	ng	# 98
12) 2-Methylnaphthalene	12.082	142	67281	5.359	ng	98
16) Acenaphthylene	13.988	152	104172	5.334	ng	100
17) Acenaphthene	14.341	154	65801	5.093	ng	98
18) Fluorene	15.325	166	88362	5.254	ng	99
20) 4,6-Dinitro-2-methylph...	15.410	198	13303	6.700	ng	# 52
21) 4-Bromophenyl-phenylether	16.226	248	26778	5.074	ng	94
22) Hexachlorobenzene	16.338	284	27944	4.793	ng	99
23) Atrazine	16.499	200	24525	5.893	ng	# 91
24) Pentachlorophenol	16.673	266	17963	5.937	ng	99
25) Phenanthrene	17.058	178	133437	5.119	ng	99
26) Anthracene	17.157	178	128680	5.520	ng	100
28) Fluoranthene	19.091	202	159754	5.533	ng	99
30) Pyrene	19.453	202	160324	4.691	ng	100
32) Benzo(a)anthracene	21.206	228	137209	5.349	ng	98
33) Chrysene	21.251	228	135038	4.807	ng	98
34) Bis(2-ethylhexyl)phtha...	21.143	149	76115	5.194	ng	# 99
36) Indeno(1,2,3-cd)pyrene	25.649	276	107583	4.911	ng	97
37) Benzo(b)fluoranthene	22.766	252	122058	5.504	ng	# 89
38) Benzo(k)fluoranthene	22.810	252	119359	5.325	ng	# 87
39) Benzo(a)pyrene	23.333	252	98753	5.402	ng	# 82
40) Dibenzo(a,h)anthracene	25.660	278	84789	4.920	ng	# 91
41) Benzo(g,h,i)perylene	26.324	276	89523	4.643	ng	99

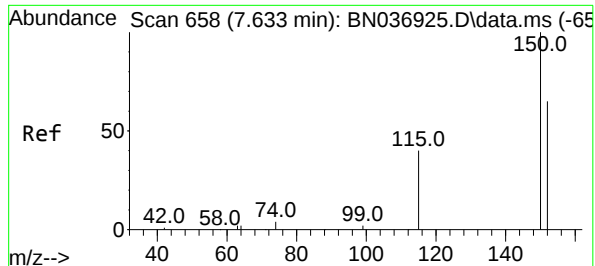
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN042825\
Data File : BN036929.D
Acq On : 28 Apr 2025 15:12
Operator : RC/JU
Sample : SSTDICC5.0
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

Quant Time: Apr 28 15:34:02 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN042825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Apr 28 15:18:01 2025
Response via : Initial Calibration

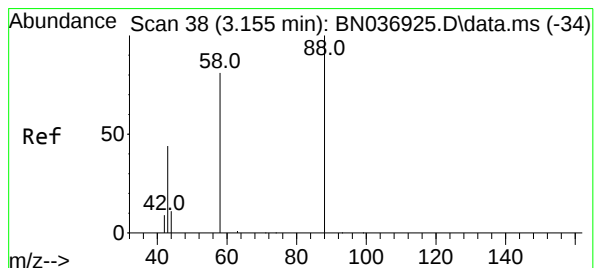
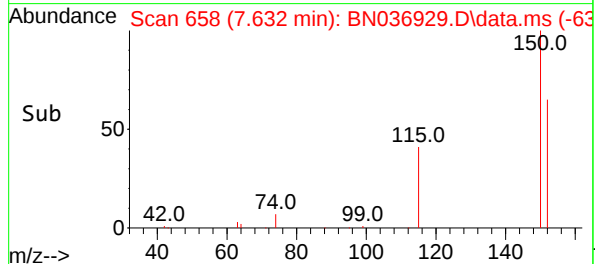
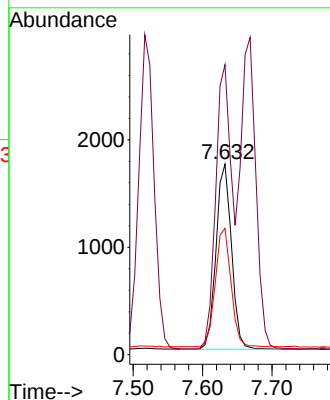
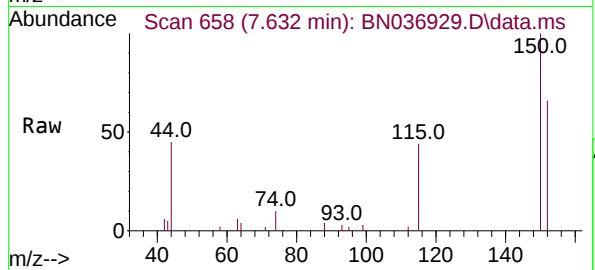




#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.632 min Scan# 61
Delta R.T. -0.001 min
Lab File: BN036929.D
Acq: 28 Apr 2025 15:12

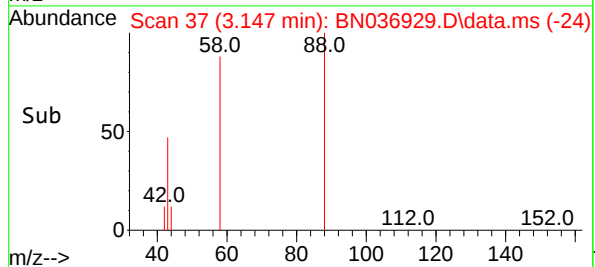
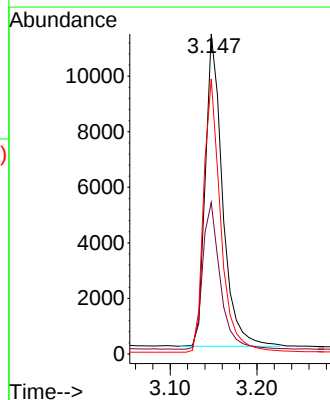
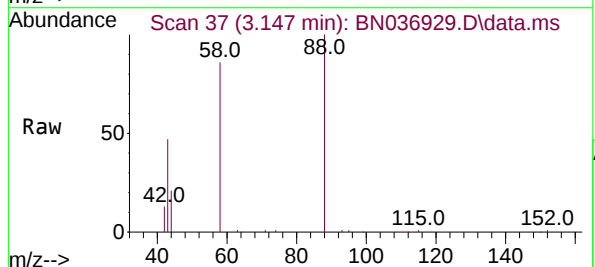
Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

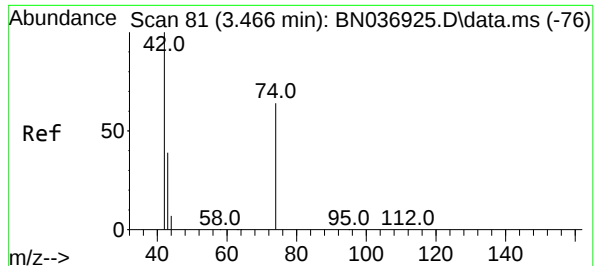
Tgt Ion:152 Resp: 2667
Ion Ratio Lower Upper
152 100
150 152.3 121.1 181.7
115 66.3 51.8 77.6



#2
1,4-Dioxane
Concen: 4.610 ng
RT: 3.147 min Scan# 37
Delta R.T. -0.008 min
Lab File: BN036929.D
Acq: 28 Apr 2025 15:12

Tgt Ion: 88 Resp: 15494
Ion Ratio Lower Upper
88 100
43 47.8 37.9 56.9
58 87.2 65.8 98.6

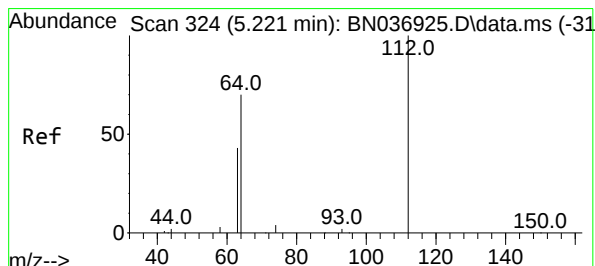
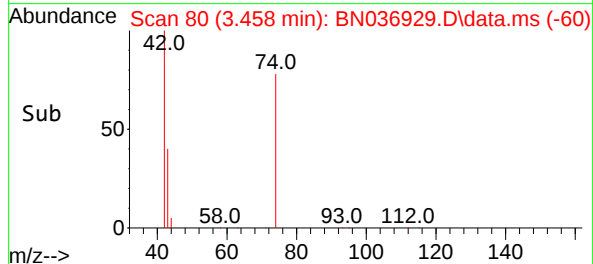
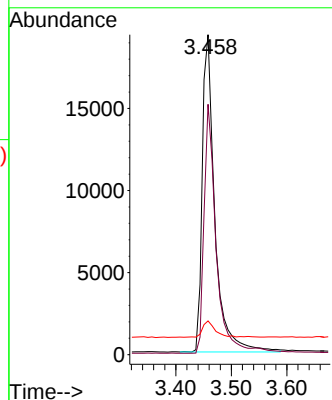
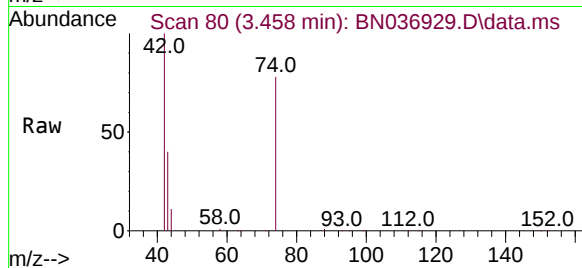




#3
n-Nitrosodimethylamine
Concen: 4.705 ng
RT: 3.458 min Scan# 81
Delta R.T. -0.008 min
Lab File: BN036929.D
Acq: 28 Apr 2025 15:12

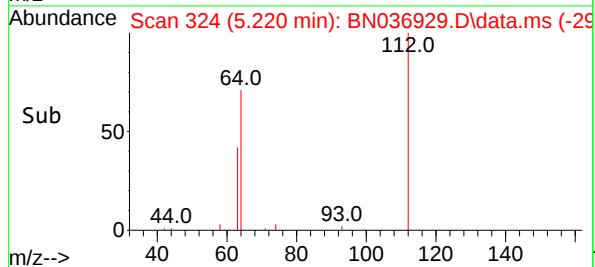
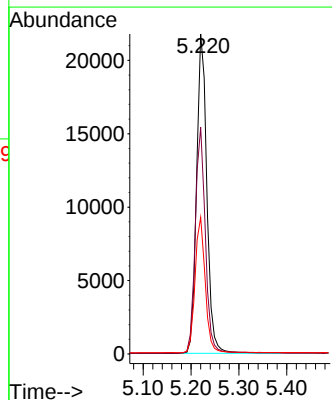
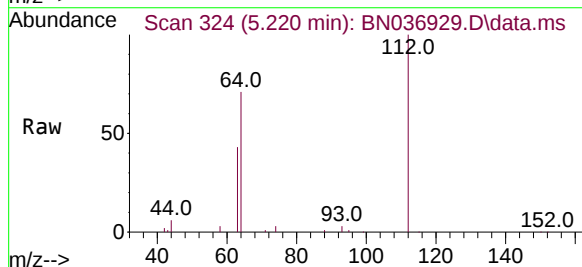
Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

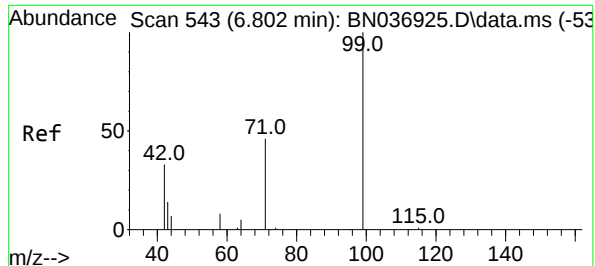
Tgt Ion: 42 Resp: 30605
Ion Ratio Lower Upper
42 100
74 75.7 59.9 89.9
44 5.2 7.5 11.3#



#4
2-Fluorophenol
Concen: 4.701 ng
RT: 5.220 min Scan# 324
Delta R.T. -0.001 min
Lab File: BN036929.D
Acq: 28 Apr 2025 15:12

Tgt Ion: 112 Resp: 32346
Ion Ratio Lower Upper
112 100
64 69.9 55.7 83.5
63 42.2 33.9 50.9

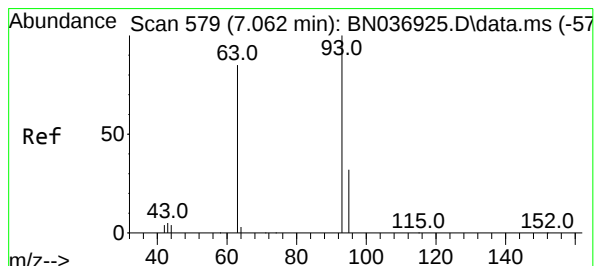
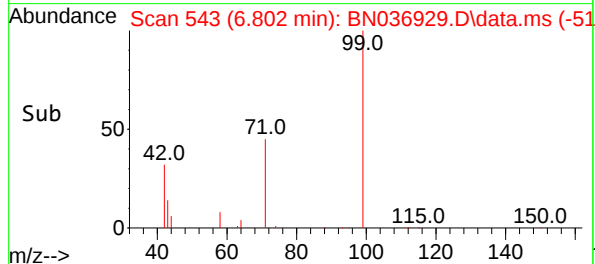
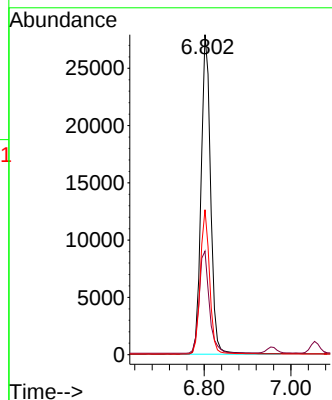
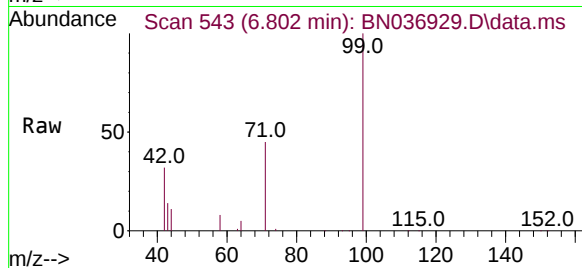




#5
Phenol-d6
Concen: 5.060 ng
RT: 6.802 min Scan# 543
Delta R.T. -0.001 min
Lab File: BN036929.D
Acq: 28 Apr 2025 15:12

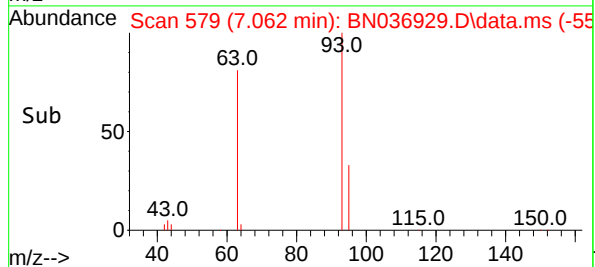
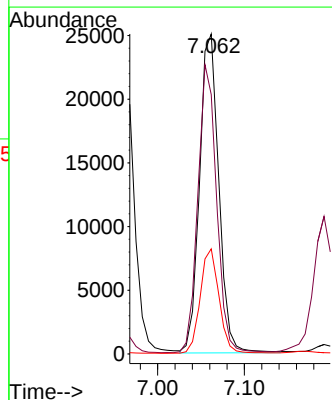
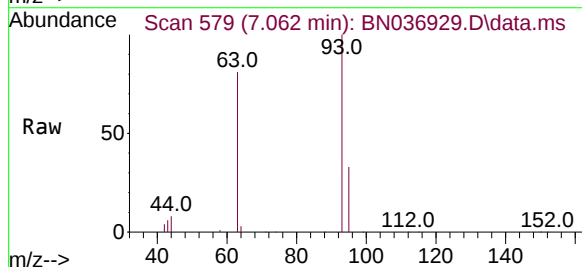
Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

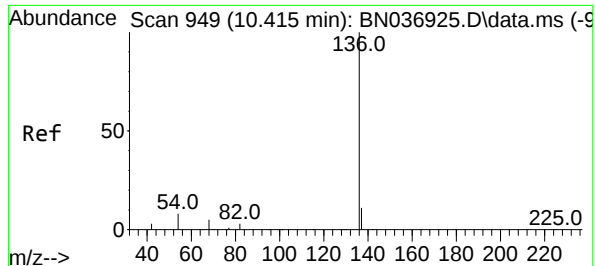
Tgt Ion: 99 Resp: 42419
Ion Ratio Lower Upper
99 100
42 34.6 29.6 44.4
71 44.3 36.0 54.0



#6
bis(2-Chloroethyl)ether
Concen: 4.973 ng
RT: 7.062 min Scan# 579
Delta R.T. -0.001 min
Lab File: BN036929.D
Acq: 28 Apr 2025 15:12

Tgt Ion: 93 Resp: 38731
Ion Ratio Lower Upper
93 100
63 87.6 69.0 103.6
95 32.0 25.4 38.0

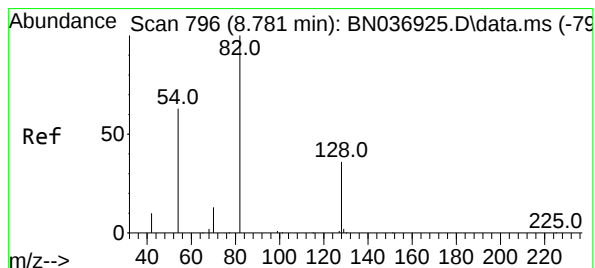
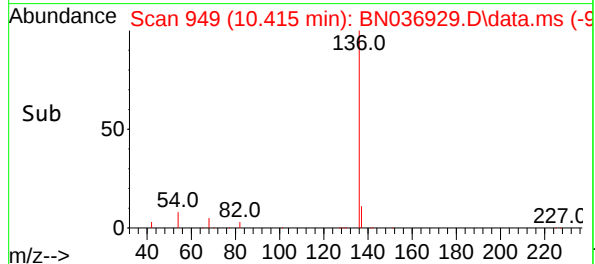
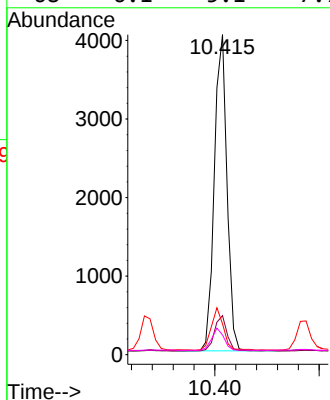
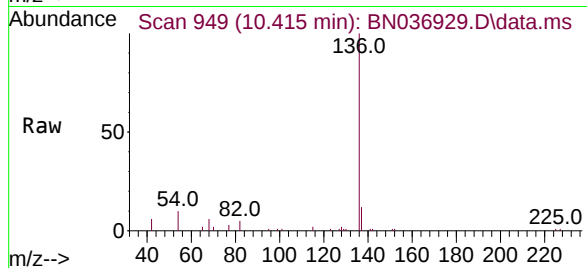




#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.415 min Scan# 949
Delta R.T. -0.001 min
Lab File: BN036929.D
Acq: 28 Apr 2025 15:12

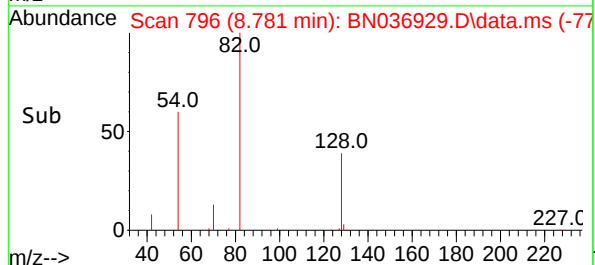
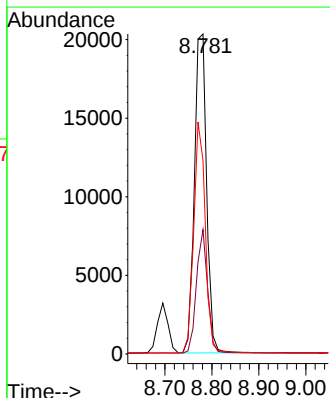
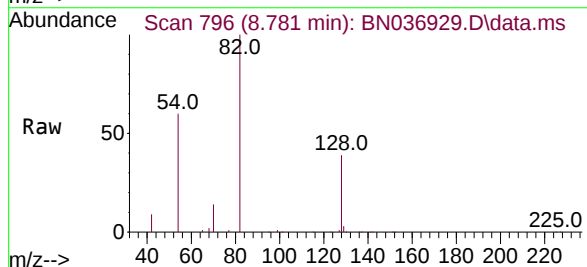
Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

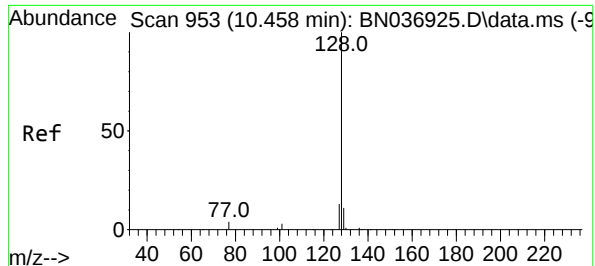
Tgt Ion:136 Resp: 6741
Ion Ratio Lower Upper
136 100
137 12.2 9.7 14.5
54 9.7 8.0 12.0
68 6.1 5.1 7.7



#8
Nitrobenzene-d5
Concen: 5.249 ng
RT: 8.781 min Scan# 796
Delta R.T. -0.001 min
Lab File: BN036929.D
Acq: 28 Apr 2025 15:12

Tgt Ion: 82 Resp: 36759
Ion Ratio Lower Upper
82 100
128 38.9 30.7 46.1
54 60.4 52.1 78.1

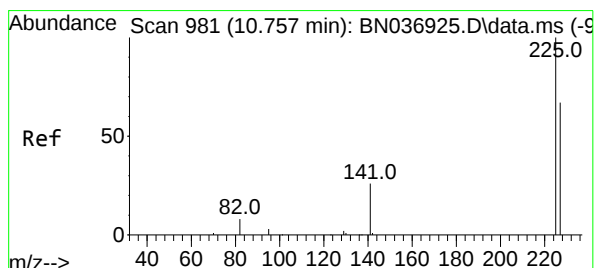
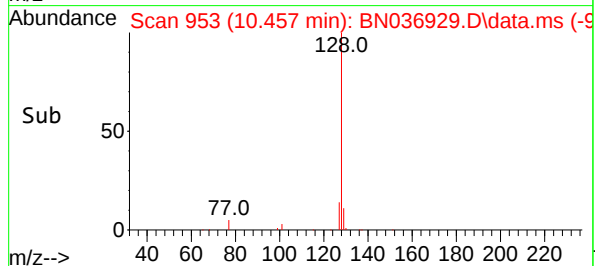
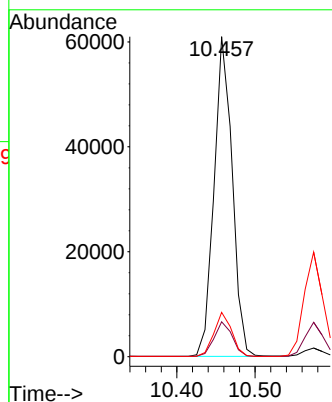
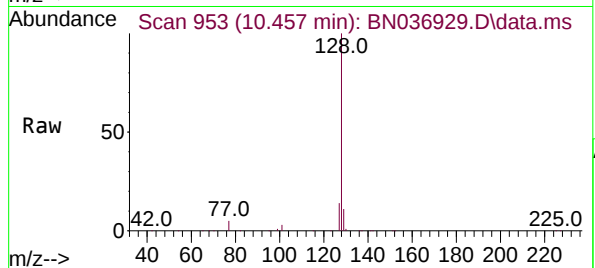




#9
Naphthalene
Concen: 5.004 ng
RT: 10.457 min Scan# 91
Delta R.T. -0.001 min
Lab File: BN036929.D
Acq: 28 Apr 2025 15:12

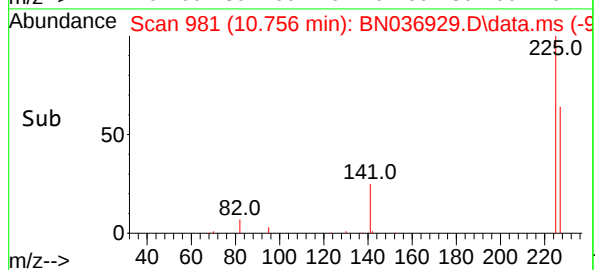
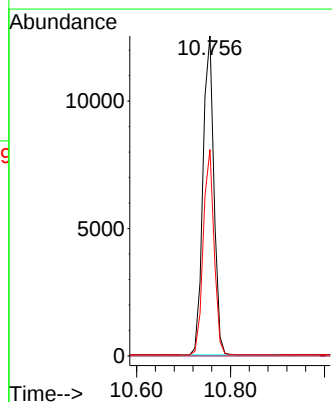
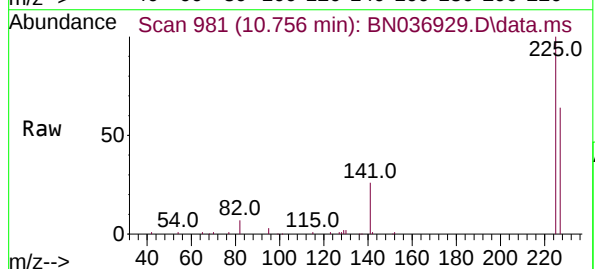
Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

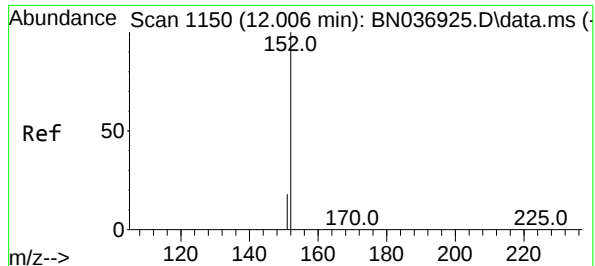
Tgt Ion:128 Resp: 98160
Ion Ratio Lower Upper
128 100
129 10.9 9.8 14.6
127 13.9 11.4 17.2



#10
Hexachlorobutadiene
Concen: 4.733 ng
RT: 10.756 min Scan# 981
Delta R.T. -0.001 min
Lab File: BN036929.D
Acq: 28 Apr 2025 15:12

Tgt Ion:225 Resp: 20245
Ion Ratio Lower Upper
225 100
223 0.0 0.0 0.0
227 63.6 52.2 78.4

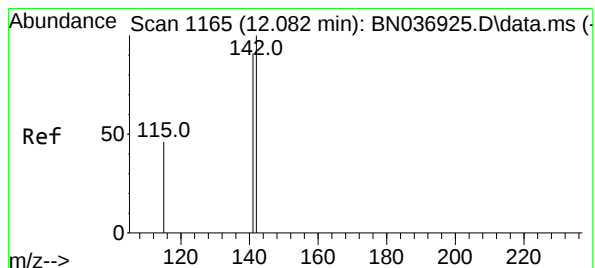
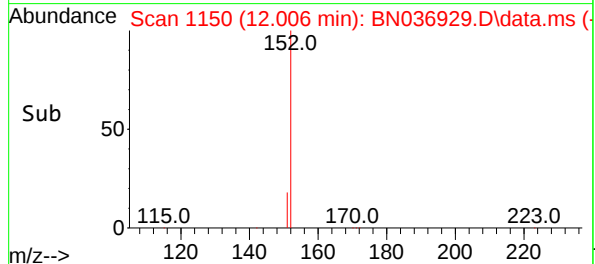
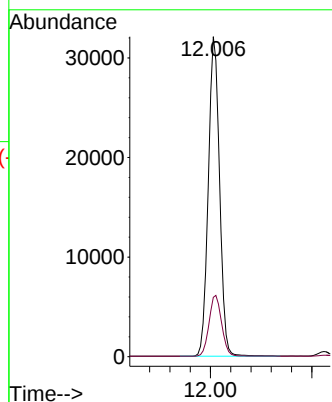
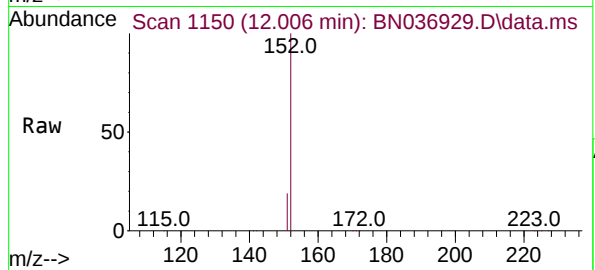




#11
2-Methylnaphthalene-d10
Concen: 5.308 ng
RT: 12.006 min Scan# 1150
Delta R.T. -0.000 min
Lab File: BN036929.D
Acq: 28 Apr 2025 15:12

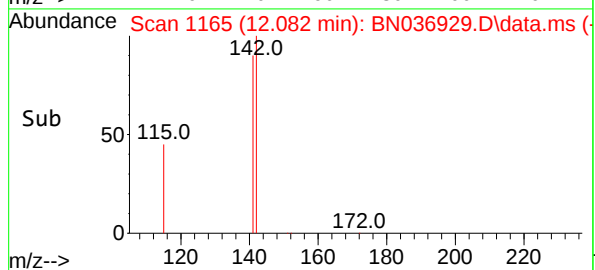
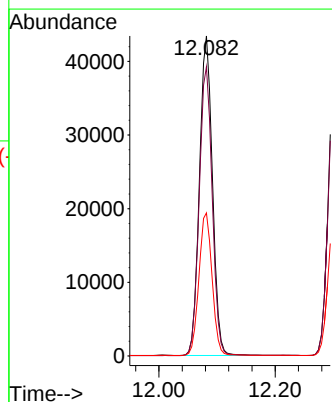
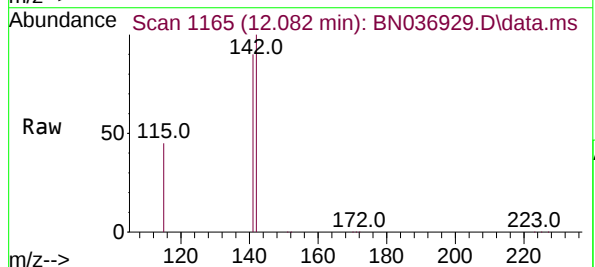
Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

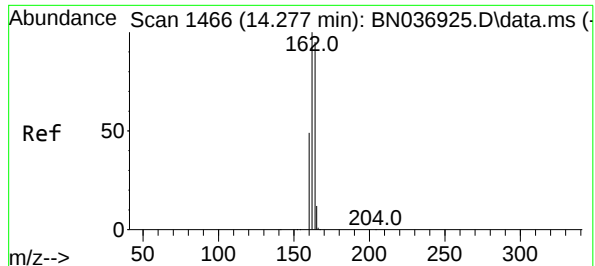
Tgt Ion:152 Resp: 49610
Ion Ratio Lower Upper
152 100
151 21.3 16.9 25.3



#12
2-Methylnaphthalene
Concen: 5.359 ng
RT: 12.082 min Scan# 1165
Delta R.T. -0.001 min
Lab File: BN036929.D
Acq: 28 Apr 2025 15:12

Tgt Ion:142 Resp: 67281
Ion Ratio Lower Upper
142 100
141 90.4 72.8 109.2
115 44.7 38.2 57.4

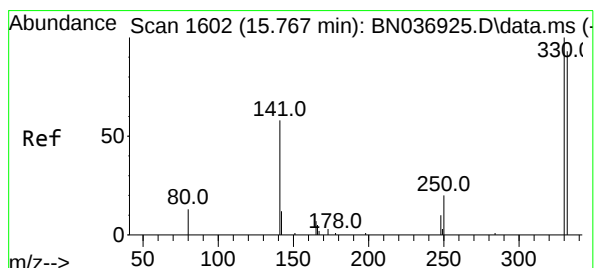
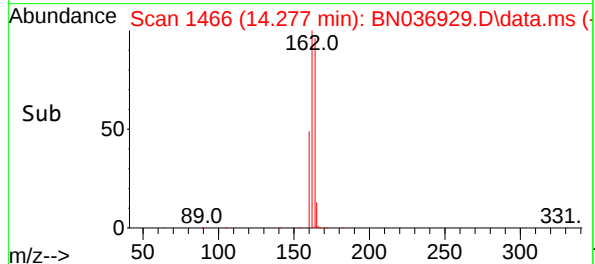
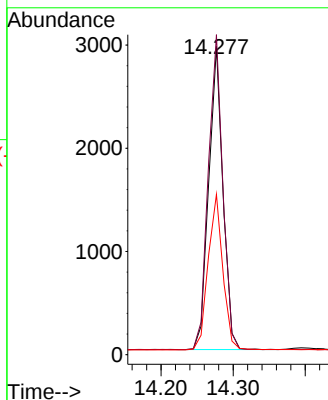
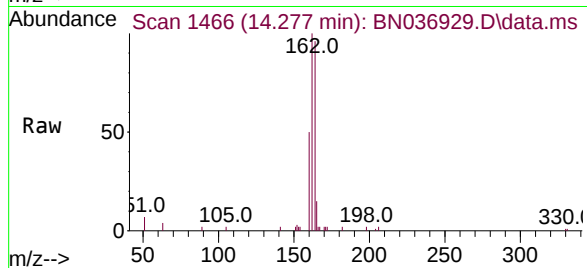




#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.277 min Scan# 1466
Delta R.T. -0.001 min
Lab File: BN036929.D
Acq: 28 Apr 2025 15:12

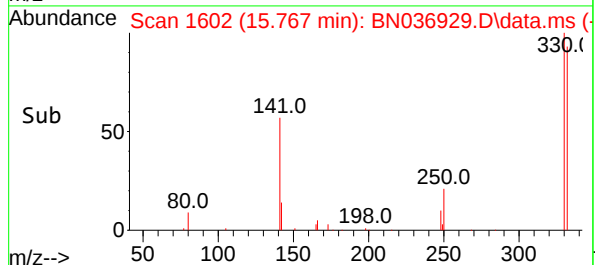
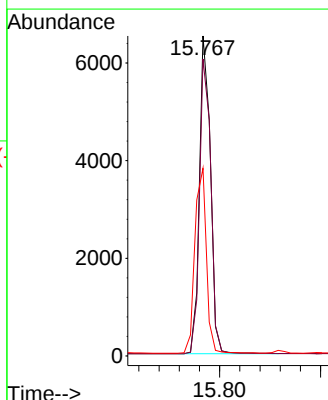
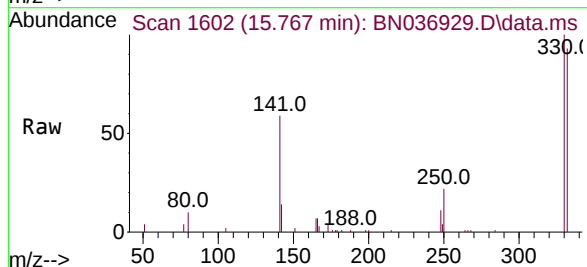
Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

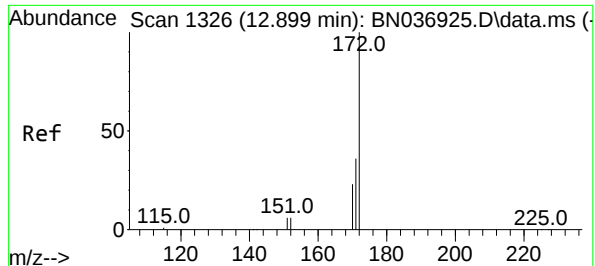
Tgt Ion:164 Resp: 4034
Ion Ratio Lower Upper
164 100
162 103.9 83.8 125.8
160 52.0 42.0 63.0



#14
2,4,6-Tribromophenol
Concen: 5.599 ng
RT: 15.767 min Scan# 1602
Delta R.T. -0.001 min
Lab File: BN036929.D
Acq: 28 Apr 2025 15:12

Tgt Ion:330 Resp: 9898
Ion Ratio Lower Upper
330 100
332 95.5 76.3 114.5
141 60.7 45.4 68.2

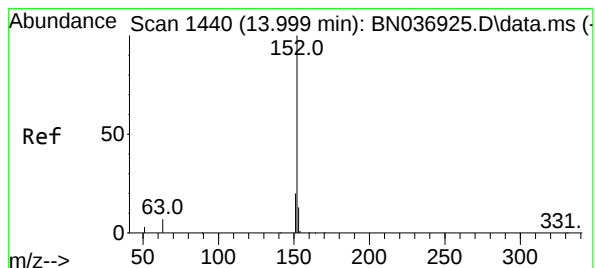
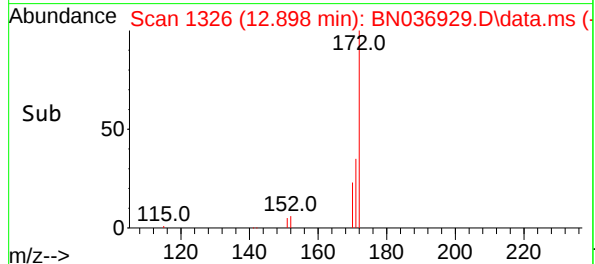
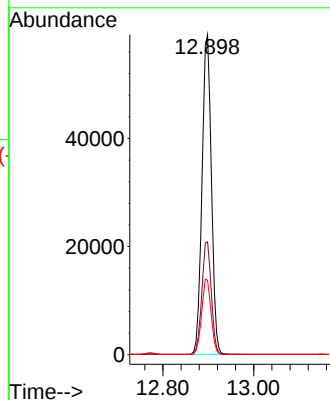
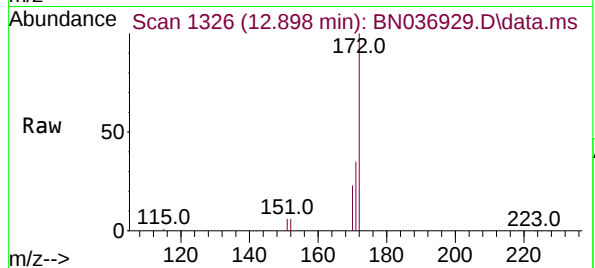




#15
2-Fluorobiphenyl
Concen: 4.984 ng
RT: 12.898 min Scan# 1439
Delta R.T. -0.001 min
Lab File: BN036929.D
Acq: 28 Apr 2025 15:12

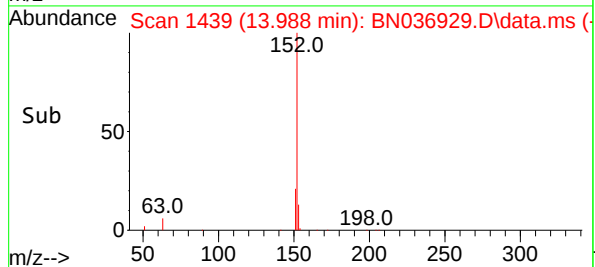
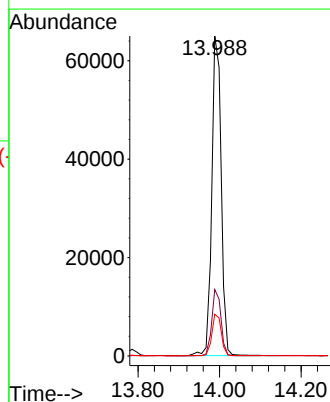
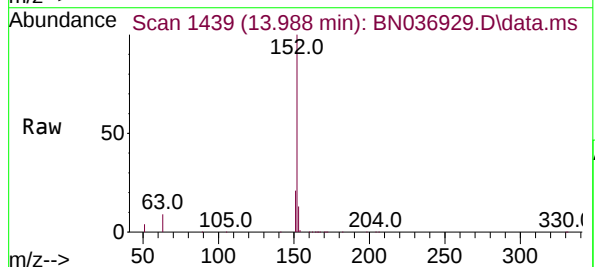
Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

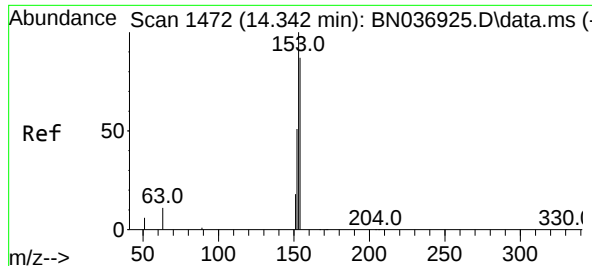
Tgt Ion:172 Resp: 97228
Ion Ratio Lower Upper
172 100
171 35.2 29.4 44.0
170 23.2 19.4 29.0



#16
Acenaphthylene
Concen: 5.334 ng
RT: 13.988 min Scan# 1439
Delta R.T. -0.011 min
Lab File: BN036929.D
Acq: 28 Apr 2025 15:12

Tgt Ion:152 Resp: 104172
Ion Ratio Lower Upper
152 100
151 20.0 16.0 24.0
153 13.0 10.2 15.2

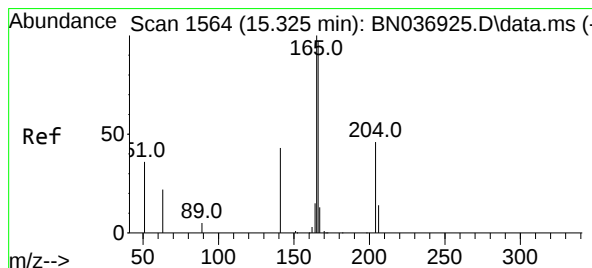
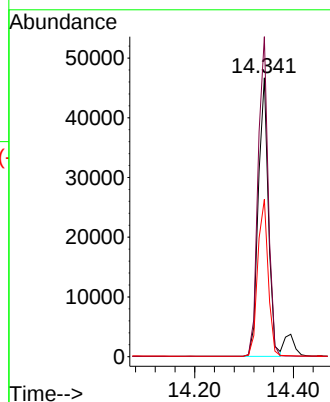
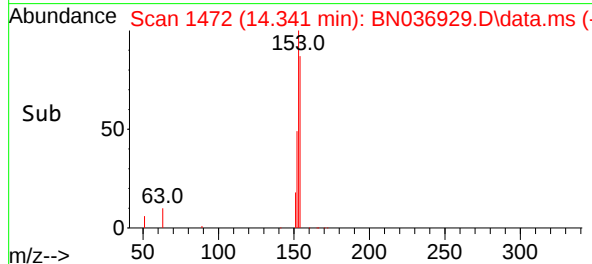
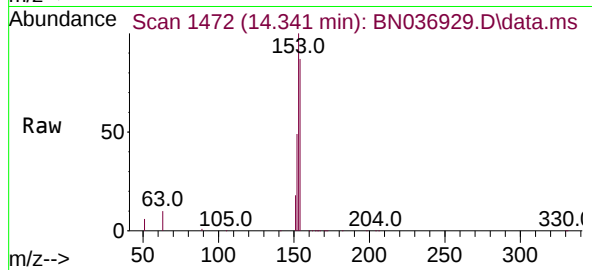




#17
Acenaphthene
Concen: 5.093 ng
RT: 14.341 min Scan# 1472
Delta R.T. -0.001 min
Lab File: BN036929.D
Acq: 28 Apr 2025 15:12

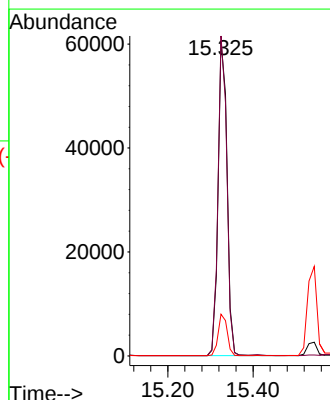
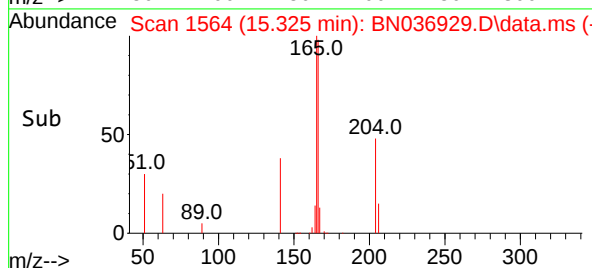
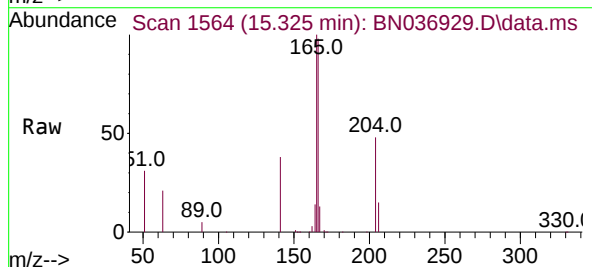
Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

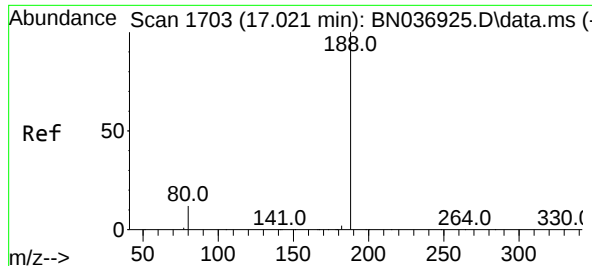
Tgt Ion:154 Resp: 65801
Ion Ratio Lower Upper
154 100
153 115.8 93.4 140.2
152 58.6 49.5 74.3



#18
Fluorene
Concen: 5.254 ng
RT: 15.325 min Scan# 1564
Delta R.T. -0.001 min
Lab File: BN036929.D
Acq: 28 Apr 2025 15:12

Tgt Ion:166 Resp: 88362
Ion Ratio Lower Upper
166 100
165 99.7 80.8 121.2
167 13.3 10.8 16.2





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 17.021 min Scan# 1

Delta R.T. -0.001 min

Lab File: BN036929.D

Acq: 28 Apr 2025 15:12

Instrument :

BNA_N

ClientSampleId :

SSTDICC5.0

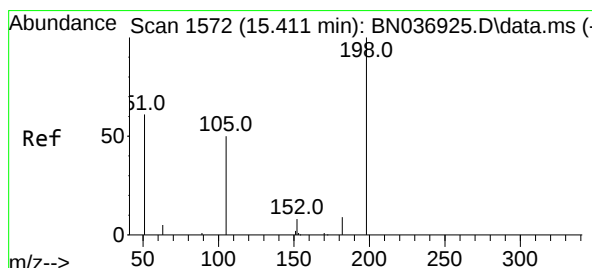
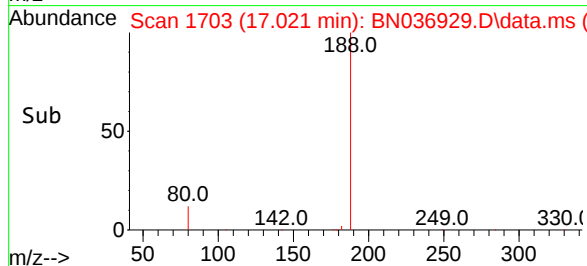
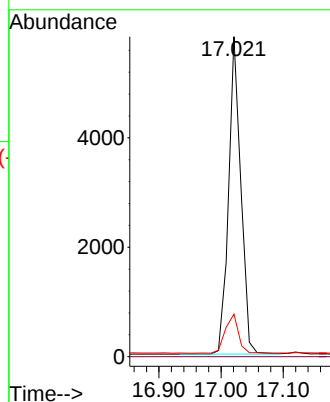
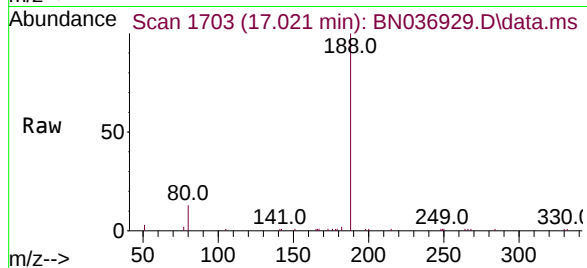
Tgt Ion:188 Resp: 7924

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

80 13.3 10.7 16.1



#20

4,6-Dinitro-2-methylphenol

Concen: 6.700 ng

RT: 15.410 min Scan# 1572

Delta R.T. -0.001 min

Lab File: BN036929.D

Acq: 28 Apr 2025 15:12

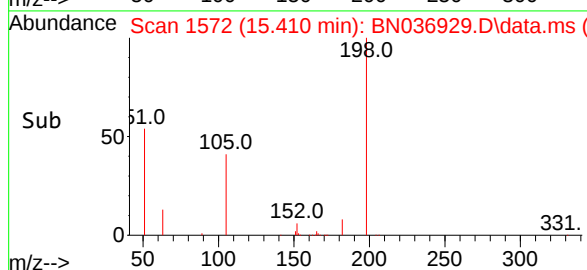
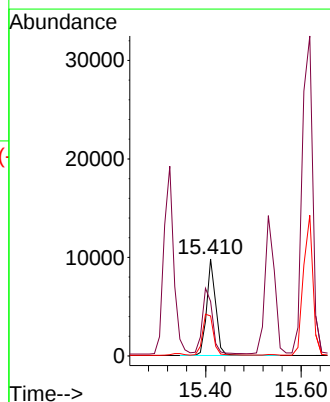
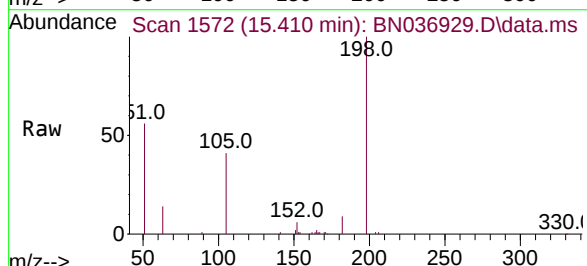
Tgt Ion:198 Resp: 13303

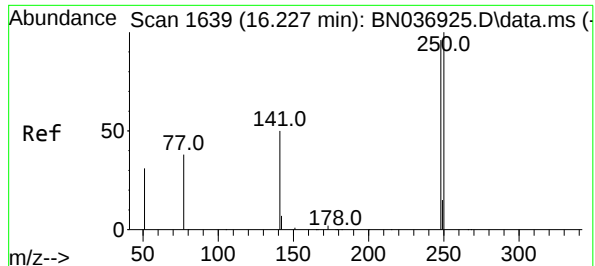
Ion Ratio Lower Upper

198 100

51 56.3 97.9 146.9#

105 41.2 50.0 75.0#

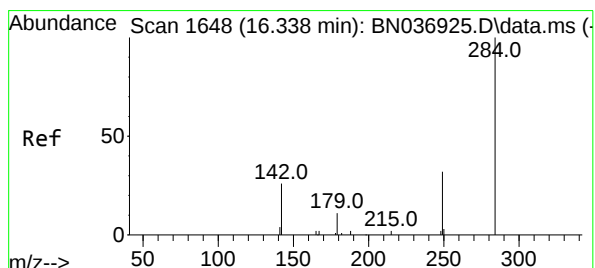
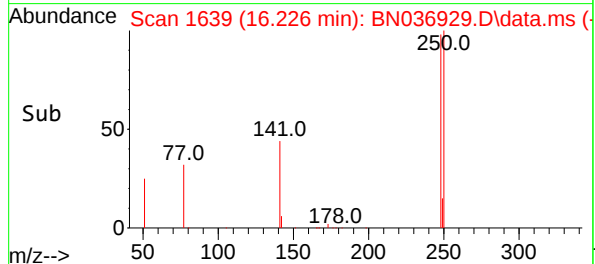
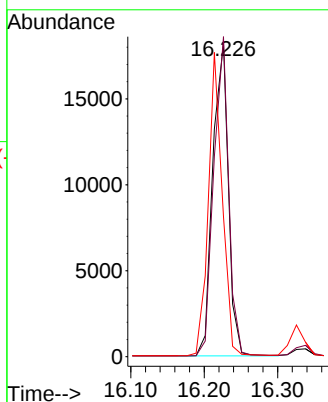
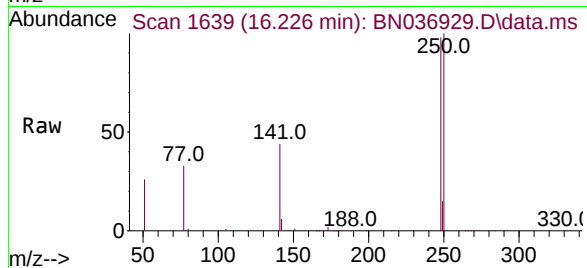




#21
4-Bromophenyl-phenylether
Concen: 5.074 ng
RT: 16.226 min Scan# 1639
Delta R.T. -0.001 min
Lab File: BN036929.D
Acq: 28 Apr 2025 15:12

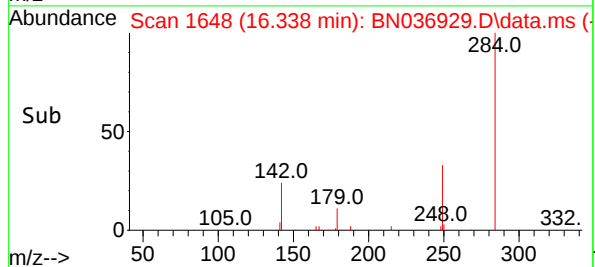
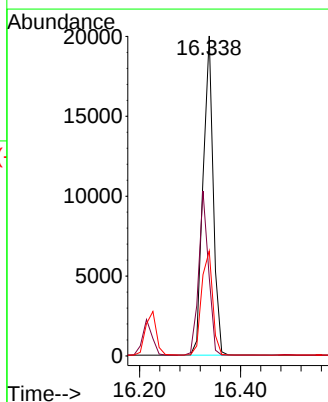
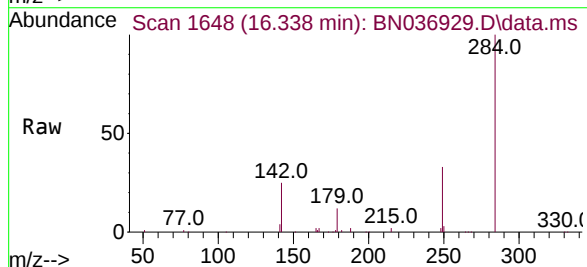
Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

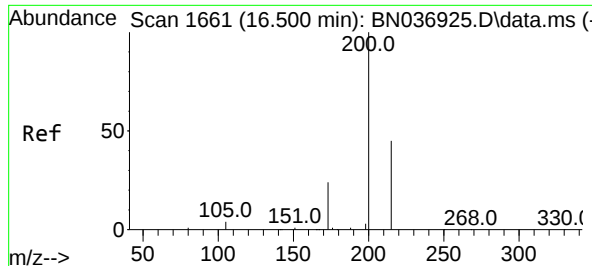
Tgt Ion	Ratio	Lower	Upper
248	100		
250	102.1	83.7	125.5
141	44.7	43.8	65.8



#22
Hexachlorobenzene
Concen: 4.793 ng
RT: 16.338 min Scan# 1648
Delta R.T. -0.001 min
Lab File: BN036929.D
Acq: 28 Apr 2025 15:12

Tgt Ion	Ratio	Lower	Upper
284	100		
142	49.9	40.0	60.0
249	35.8	28.2	42.2

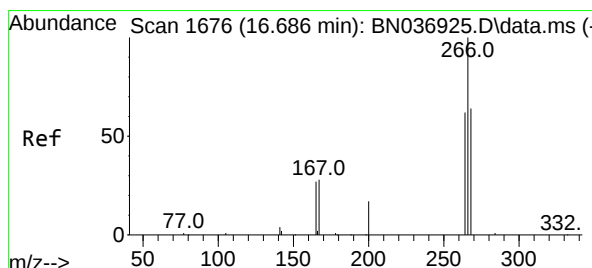
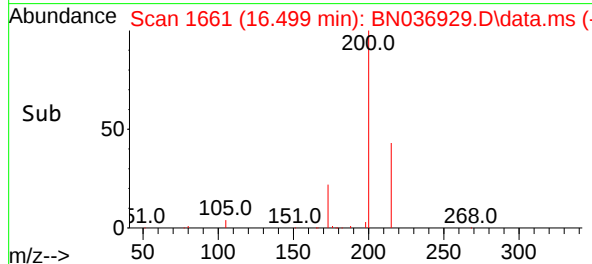
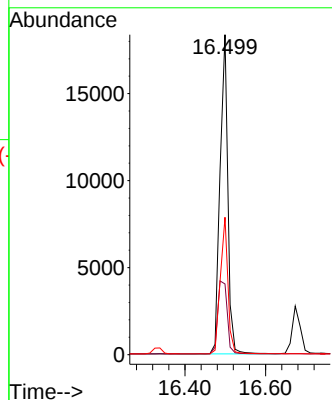
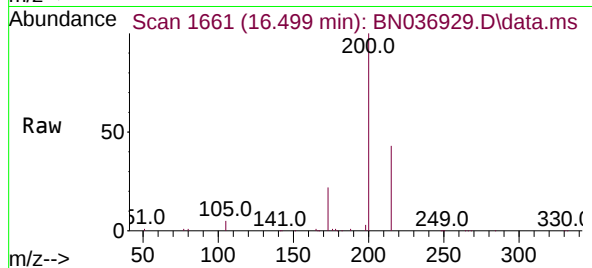




#23
Atrazine
Concen: 5.893 ng
RT: 16.499 min Scan# 1661
Delta R.T. -0.001 min
Lab File: BN036929.D
Acq: 28 Apr 2025 15:12

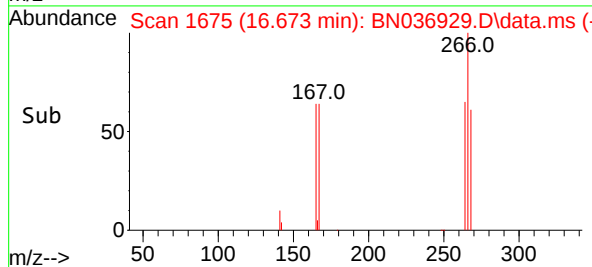
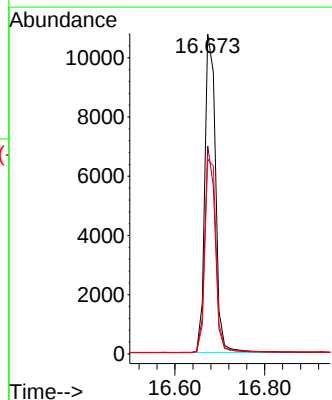
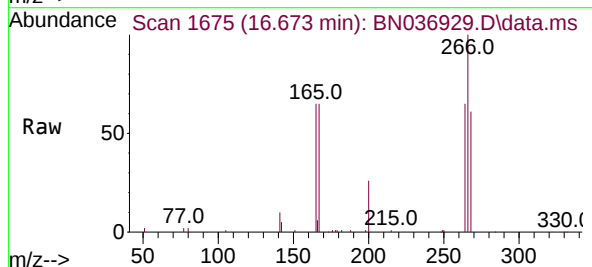
Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

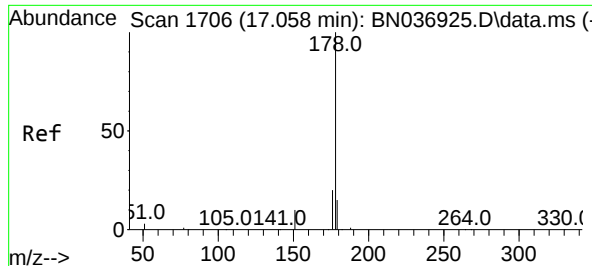
Tgt Ion:200 Resp: 24525
Ion Ratio Lower Upper
200 100
173 22.1 22.4 33.6#
215 42.9 38.6 57.8



#24
Pentachlorophenol
Concen: 5.937 ng
RT: 16.673 min Scan# 1675
Delta R.T. -0.013 min
Lab File: BN036929.D
Acq: 28 Apr 2025 15:12

Tgt Ion:266 Resp: 17963
Ion Ratio Lower Upper
266 100
264 62.6 49.9 74.9
268 63.3 52.2 78.4

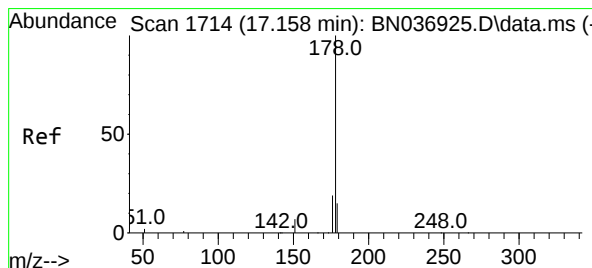
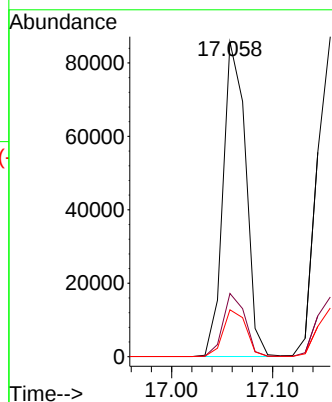
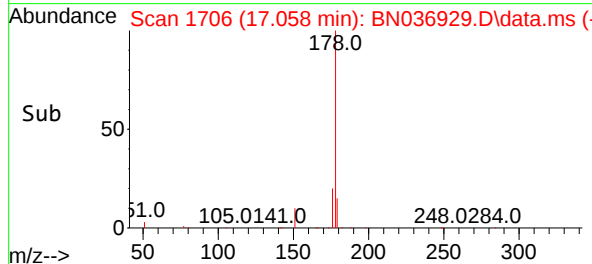
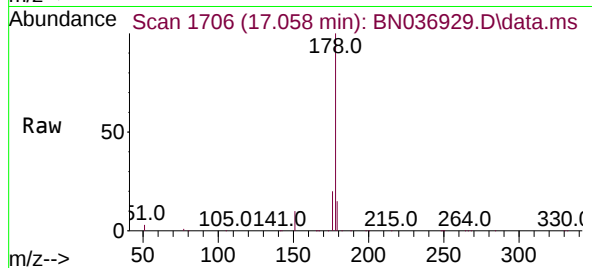




#25
Phenanthrene
Concen: 5.119 ng
RT: 17.058 min Scan# 1706
Delta R.T. -0.001 min
Lab File: BN036929.D
Acq: 28 Apr 2025 15:12

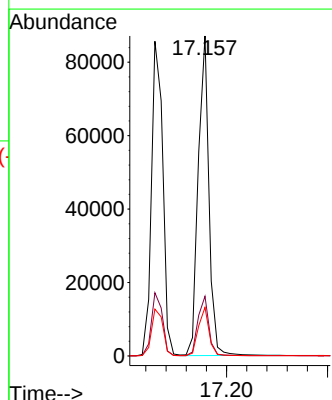
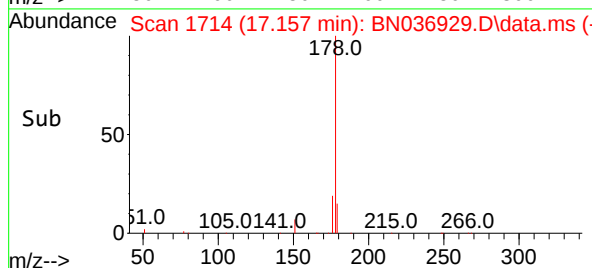
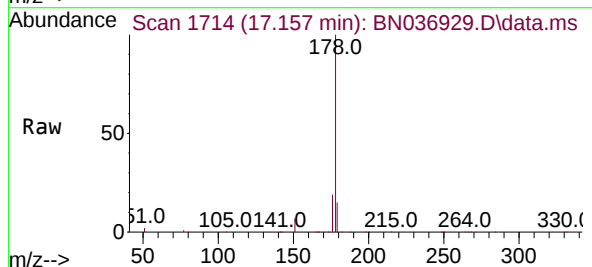
Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

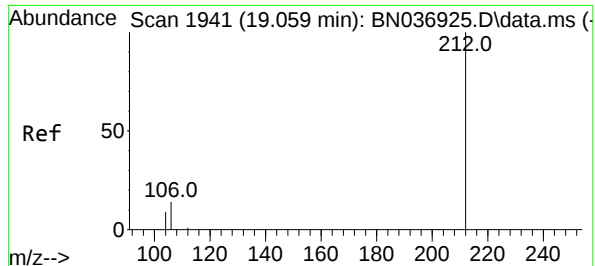
Tgt Ion:178 Resp: 133437
Ion Ratio Lower Upper
178 100
176 19.5 15.7 23.5
179 15.0 12.4 18.6



#26
Anthracene
Concen: 5.520 ng
RT: 17.157 min Scan# 1714
Delta R.T. -0.001 min
Lab File: BN036929.D
Acq: 28 Apr 2025 15:12

Tgt Ion:178 Resp: 128680
Ion Ratio Lower Upper
178 100
176 19.0 15.3 22.9
179 15.0 12.1 18.1





#27

Fluoranthene-d10

Concen: 5.447 ng

RT: 19.058 min Scan# 1941

Delta R.T. -0.000 min

Lab File: BN036929.D

Acq: 28 Apr 2025 15:12

Instrument :

BNA_N

ClientSampleId :

SSTDICC5.0

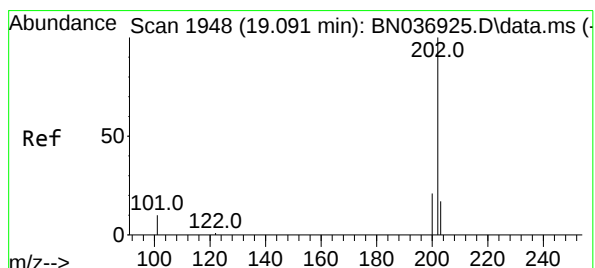
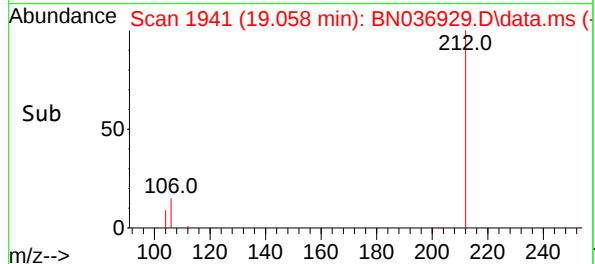
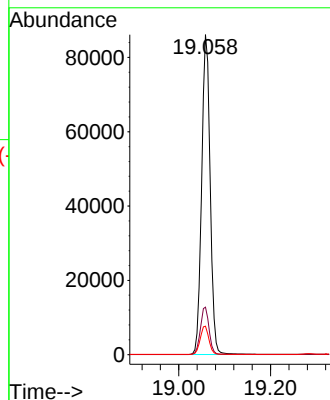
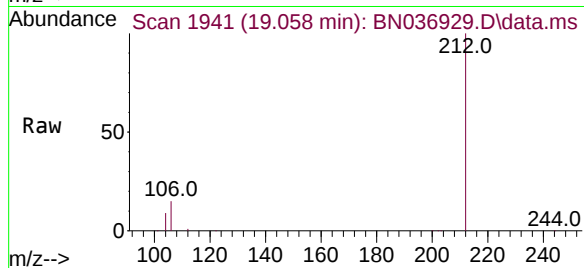
Tgt Ion:212 Resp: 110482

Ion Ratio Lower Upper

212 100

106 15.0 11.6 17.4

104 9.0 7.0 10.4



#28

Fluoranthene

Concen: 5.533 ng

RT: 19.091 min Scan# 1948

Delta R.T. -0.001 min

Lab File: BN036929.D

Acq: 28 Apr 2025 15:12

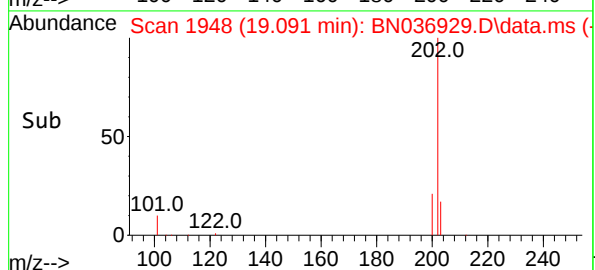
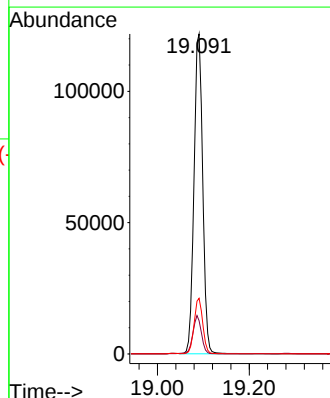
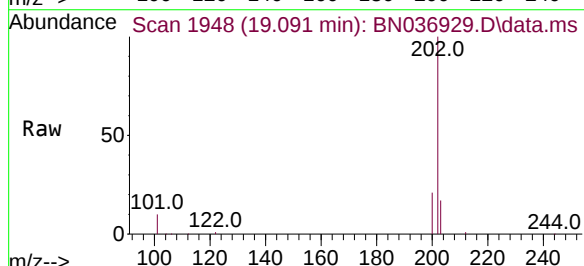
Tgt Ion:202 Resp: 159754

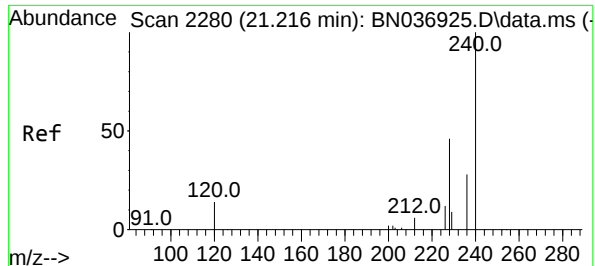
Ion Ratio Lower Upper

202 100

101 11.7 8.5 12.7

203 17.2 13.7 20.5





#29

Chrysene-d12

Concen: 0.400 ng

RT: 21.215 min Scan# 21

Delta R.T. -0.000 min

Lab File: BN036929.D

Acq: 28 Apr 2025 15:12

Instrument :

BNA_N

ClientSampleId :

SSTDICC5.0

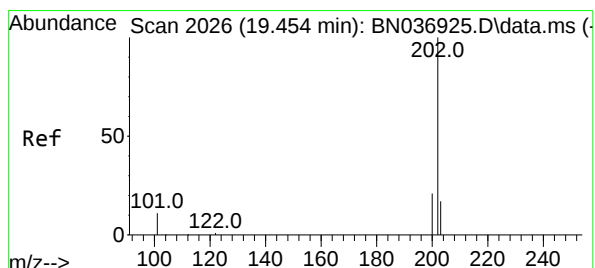
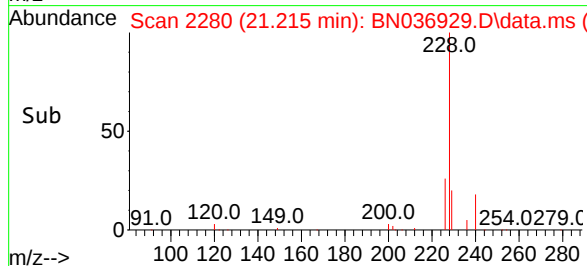
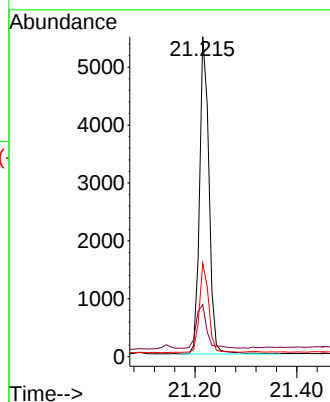
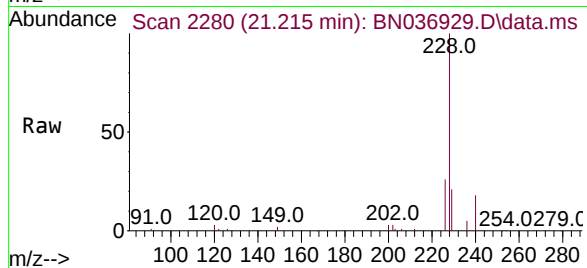
Tgt Ion:240 Resp: 7034

Ion Ratio Lower Upper

240 100

120 16.3 14.1 21.1

236 29.2 23.8 35.8



#30

Pyrene

Concen: 4.691 ng

RT: 19.453 min Scan# 2026

Delta R.T. -0.001 min

Lab File: BN036929.D

Acq: 28 Apr 2025 15:12

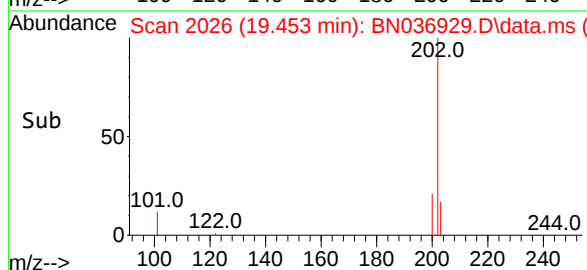
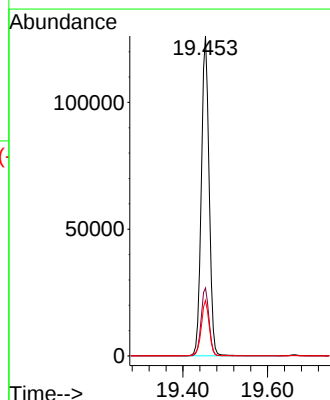
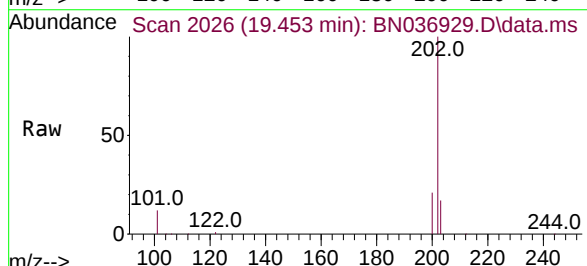
Tgt Ion:202 Resp: 160324

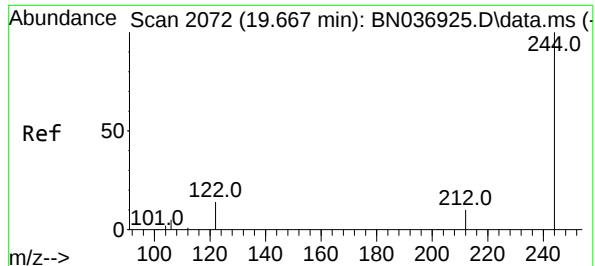
Ion Ratio Lower Upper

202 100

200 21.4 17.0 25.6

203 17.7 14.0 21.0

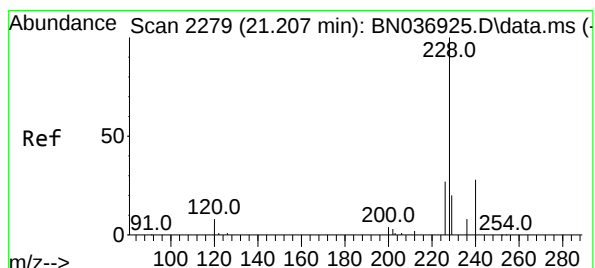
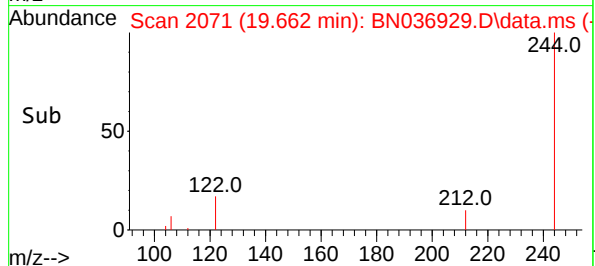
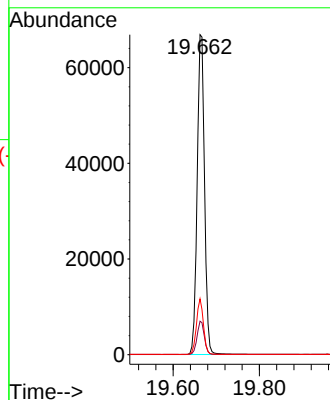
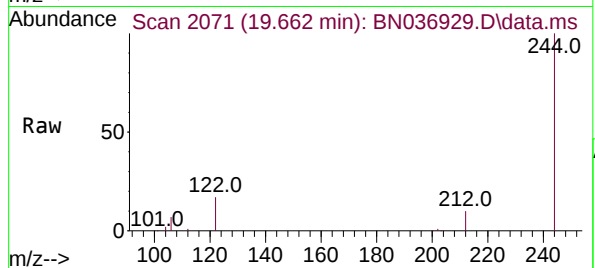




#31
Terphenyl-d14
Concen: 4.712 ng
RT: 19.662 min Scan# 2072
Delta R.T. -0.005 min
Lab File: BN036929.D
Acq: 28 Apr 2025 15:12

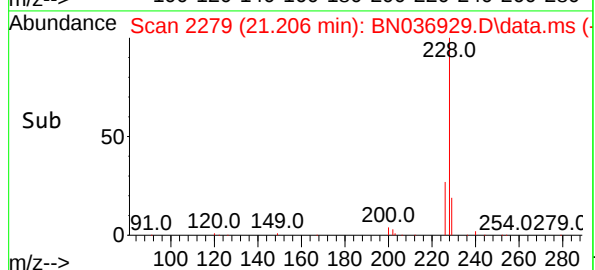
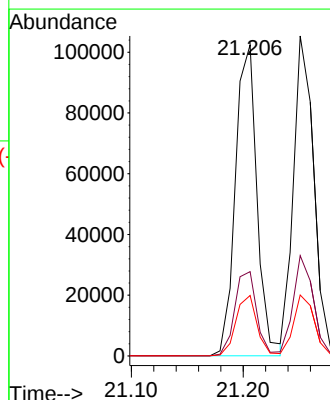
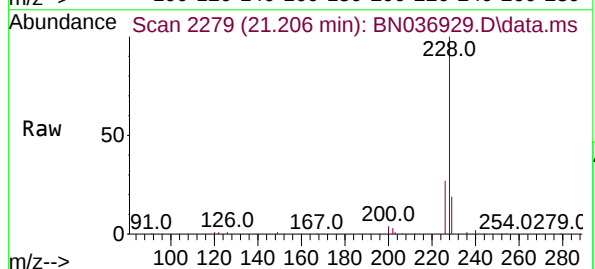
Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

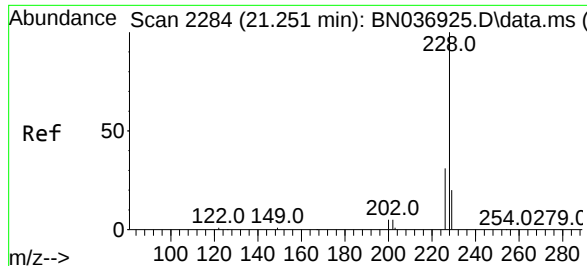
Tgt Ion:244 Resp: 78873
Ion Ratio Lower Upper
244 100
212 10.5 9.6 14.4
122 17.4 12.7 19.1



#32
Benzo(a)anthracene
Concen: 5.349 ng
RT: 21.206 min Scan# 2279
Delta R.T. -0.001 min
Lab File: BN036929.D
Acq: 28 Apr 2025 15:12

Tgt Ion:228 Resp: 137209
Ion Ratio Lower Upper
228 100
226 27.1 22.2 33.4
229 19.4 16.4 24.6





#33

Chrysene

Concen: 4.807 ng

RT: 21.251 min Scan# 21

Delta R.T. -0.001 min

Lab File: BN036929.D

Acq: 28 Apr 2025 15:12

Instrument :

BNA_N

ClientSampleId :

SSTDICC5.0

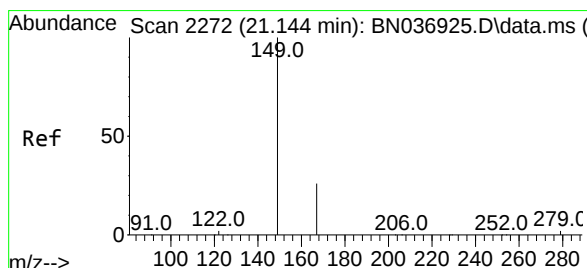
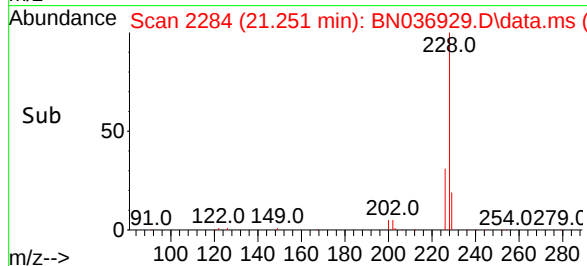
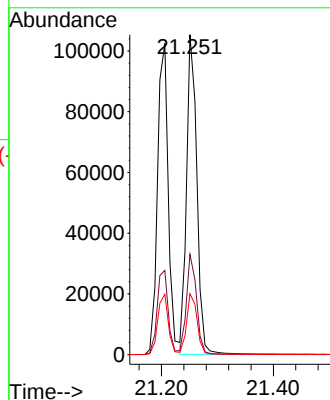
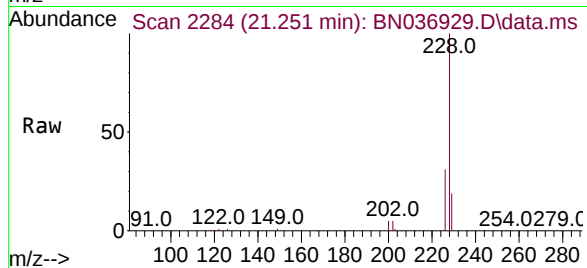
Tgt Ion:228 Resp: 135038

Ion Ratio Lower Upper

228 100

226 31.3 25.5 38.3

229 19.1 16.5 24.7



#34

Bis(2-ethylhexyl)phthalate

Concen: 5.194 ng

RT: 21.143 min Scan# 2272

Delta R.T. -0.001 min

Lab File: BN036929.D

Acq: 28 Apr 2025 15:12

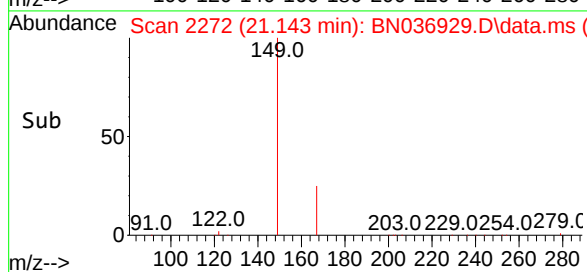
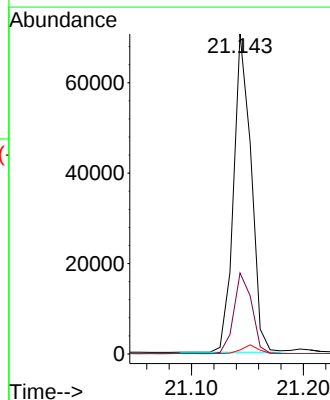
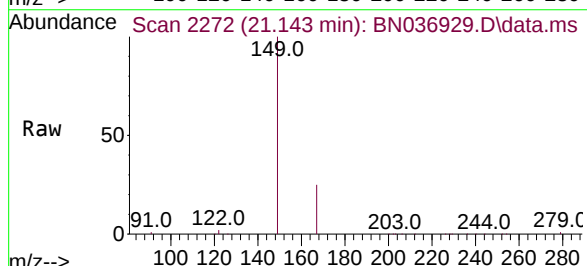
Tgt Ion:149 Resp: 76115

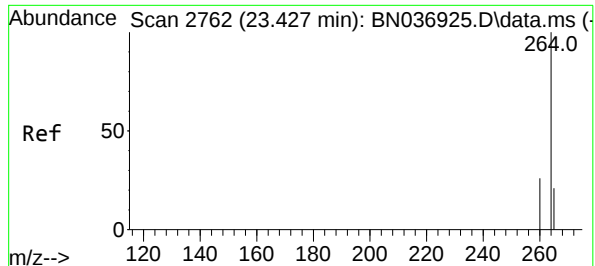
Ion Ratio Lower Upper

149 100

167 26.0 21.0 31.6

279 2.6 2.7 4.1#





#35

Perylene-d12

Concen: 0.400 ng

RT: 23.427 min Scan# 21

Delta R.T. -0.001 min

Lab File: BN036929.D

Acq: 28 Apr 2025 15:12

Instrument :

BNA_N

ClientSampleId :

SSTDICC5.0

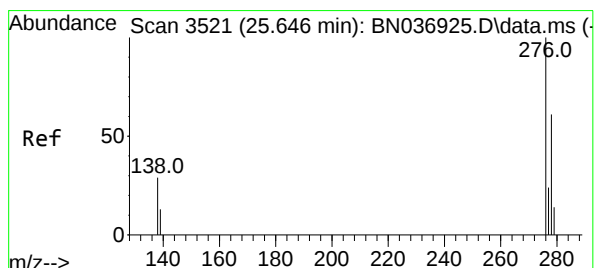
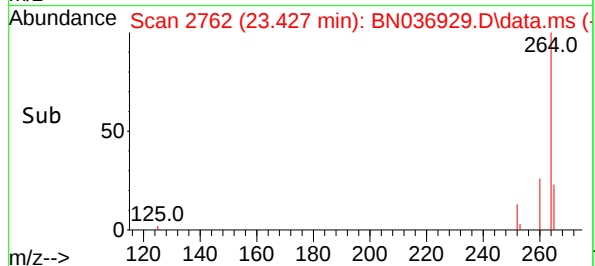
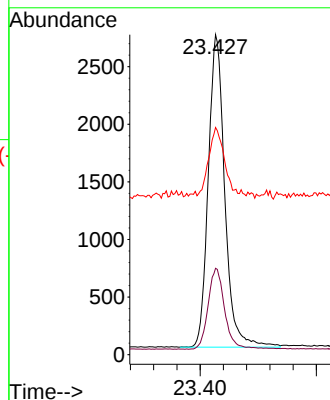
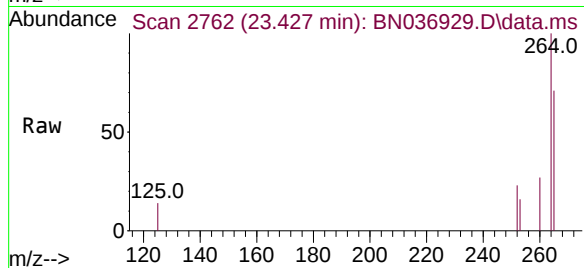
Tgt Ion:264 Resp: 5350

Ion Ratio Lower Upper

264 100

260 27.0 22.2 33.2

265 71.0 65.8 98.6



#36

Indeno(1,2,3-cd)pyrene

Concen: 4.911 ng

RT: 25.649 min Scan# 3522

Delta R.T. 0.002 min

Lab File: BN036929.D

Acq: 28 Apr 2025 15:12

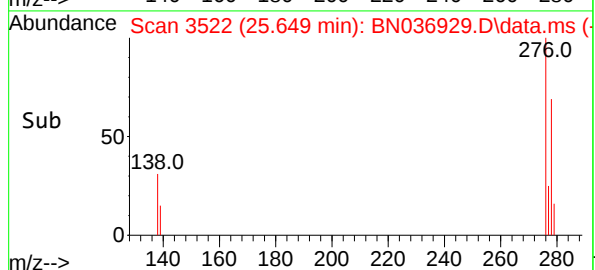
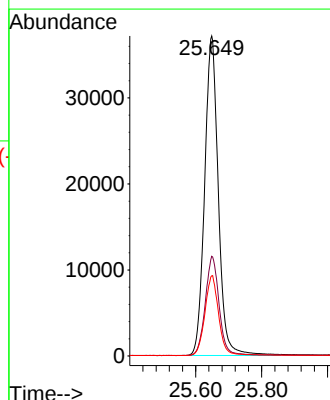
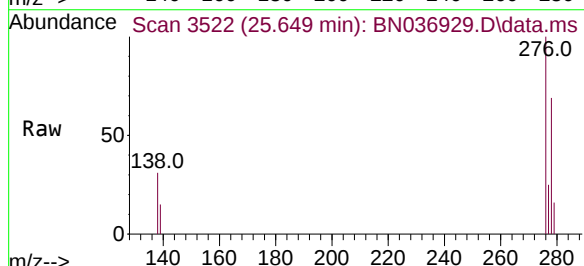
Tgt Ion:276 Resp: 107583

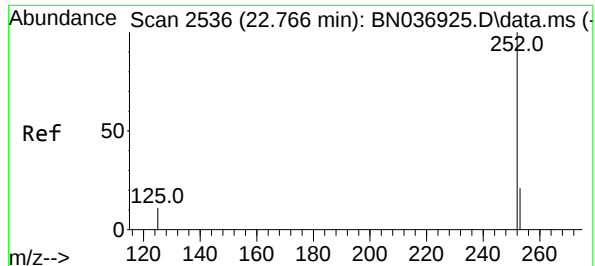
Ion Ratio Lower Upper

276 100

138 31.3 23.0 34.6

277 25.0 20.0 30.0

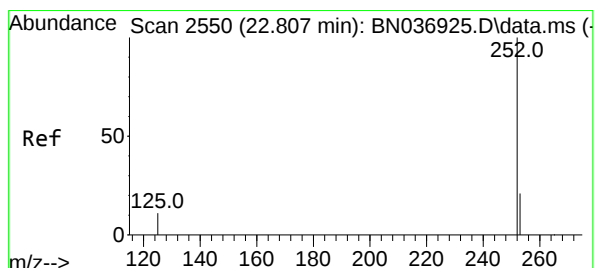
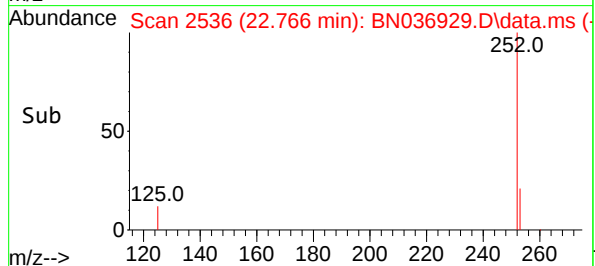
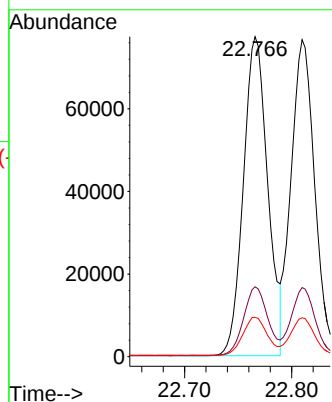
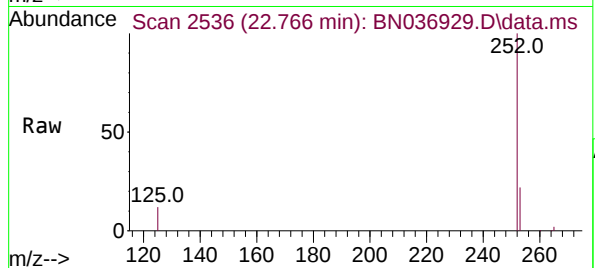




#37
Benzo(b)fluoranthene
Concen: 5.504 ng
RT: 22.766 min Scan# 2536
Delta R.T. -0.001 min
Lab File: BN036929.D
Acq: 28 Apr 2025 15:12

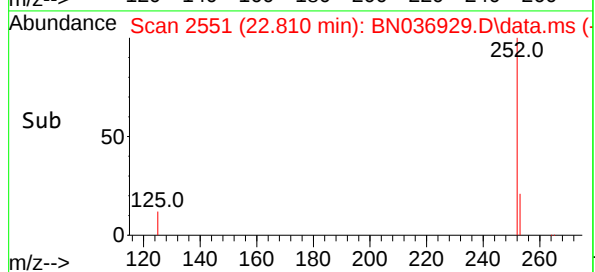
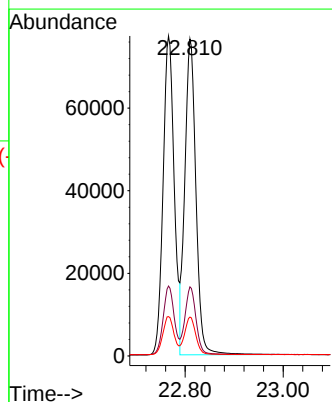
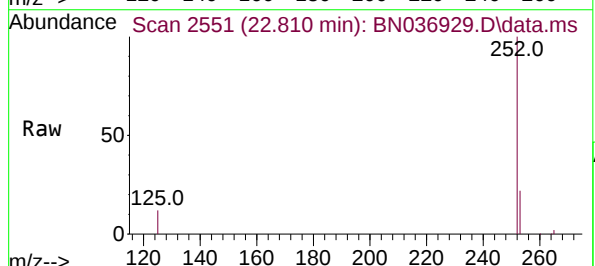
Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

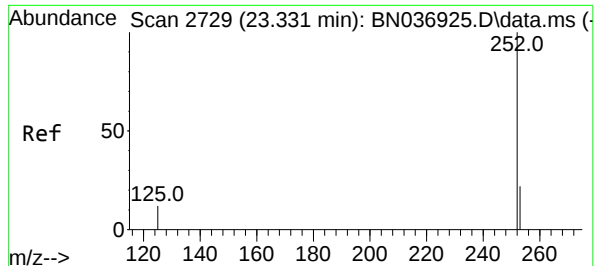
Tgt Ion:252 Resp: 122058
Ion Ratio Lower Upper
252 100
253 21.9 22.1 33.1#
125 12.3 14.2 21.2#



#38
Benzo(k)fluoranthene
Concen: 5.325 ng
RT: 22.810 min Scan# 2551
Delta R.T. 0.002 min
Lab File: BN036929.D
Acq: 28 Apr 2025 15:12

Tgt Ion:252 Resp: 119359
Ion Ratio Lower Upper
252 100
253 21.8 22.8 34.2#
125 12.3 14.2 21.2#





#39

Benzo(a)pyrene

Concen: 5.402 ng

RT: 23.333 min Scan# 21

Delta R.T. 0.002 min

Lab File: BN036929.D

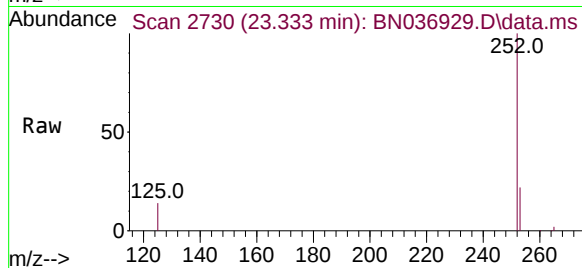
Acq: 28 Apr 2025 15:12

Instrument :

BNA_N

ClientSampleId :

SSTDICC5.0



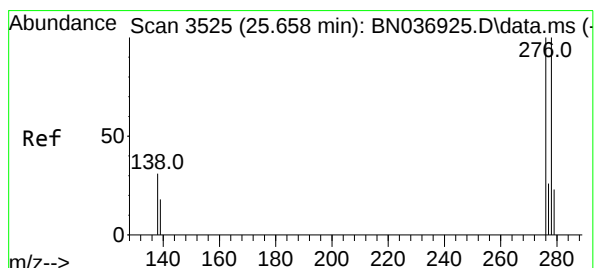
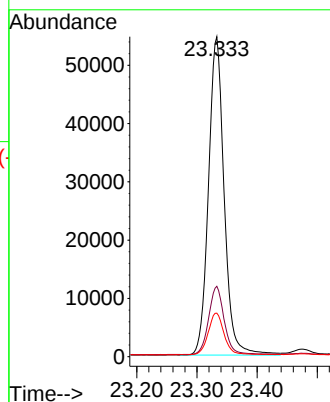
Tgt Ion:252 Resp: 98753

Ion Ratio Lower Upper

252 100

253 22.0 25.9 38.9#

125 13.6 17.4 26.0#



#40

Dibenzo(a,h)anthracene

Concen: 4.920 ng

RT: 25.660 min Scan# 3526

Delta R.T. 0.002 min

Lab File: BN036929.D

Acq: 28 Apr 2025 15:12

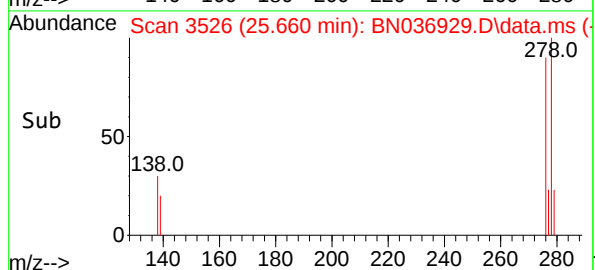
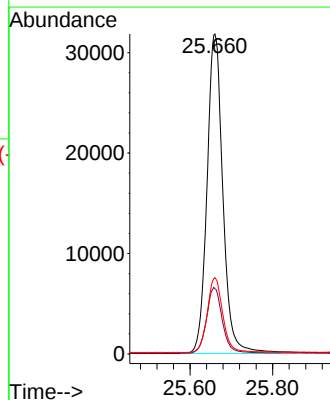
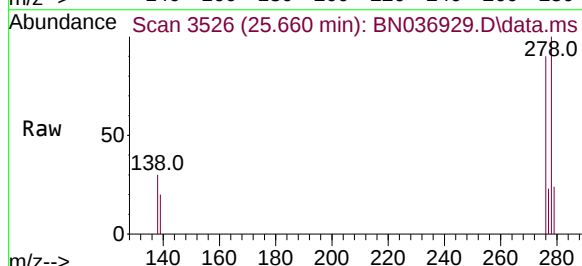
Tgt Ion:278 Resp: 84789

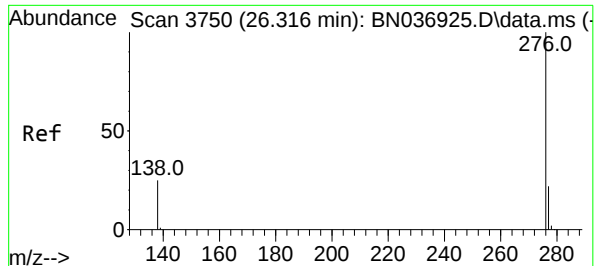
Ion Ratio Lower Upper

278 100

139 20.4 17.4 26.2

279 23.8 24.9 37.3#





#41

Benzo(g,h,i)perylene

Concen: 4.643 ng

RT: 26.324 min Scan# 31

Delta R.T. 0.008 min

Lab File: BN036929.D

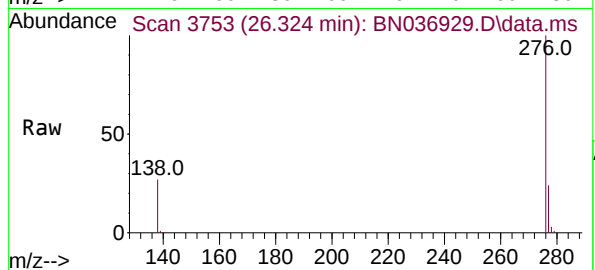
Acq: 28 Apr 2025 15:12

Instrument :

BNA_N

ClientSampleId :

SSTDICC5.0



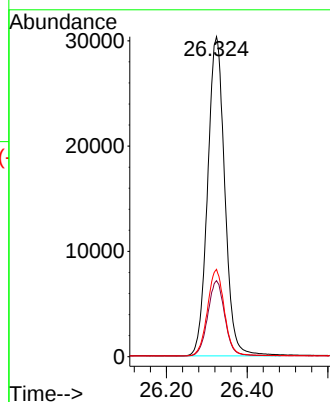
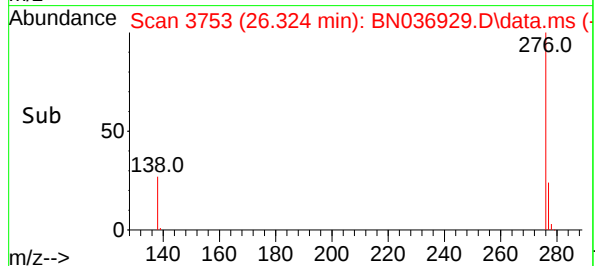
Tgt Ion:276 Resp: 89523

Ion Ratio Lower Upper

276 100

277 23.7 20.2 30.2

138 27.3 21.9 32.9



Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN042825\
 Data File : BN036930.D
 Acq On : 28 Apr 2025 15:51
 Operator : RC/JU
 Sample : SSTDICV0.4
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 ICVBN042825

Quant Time: Apr 28 18:00:30 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN042825.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Apr 28 15:35:03 2025
 Response via : Initial Calibration

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

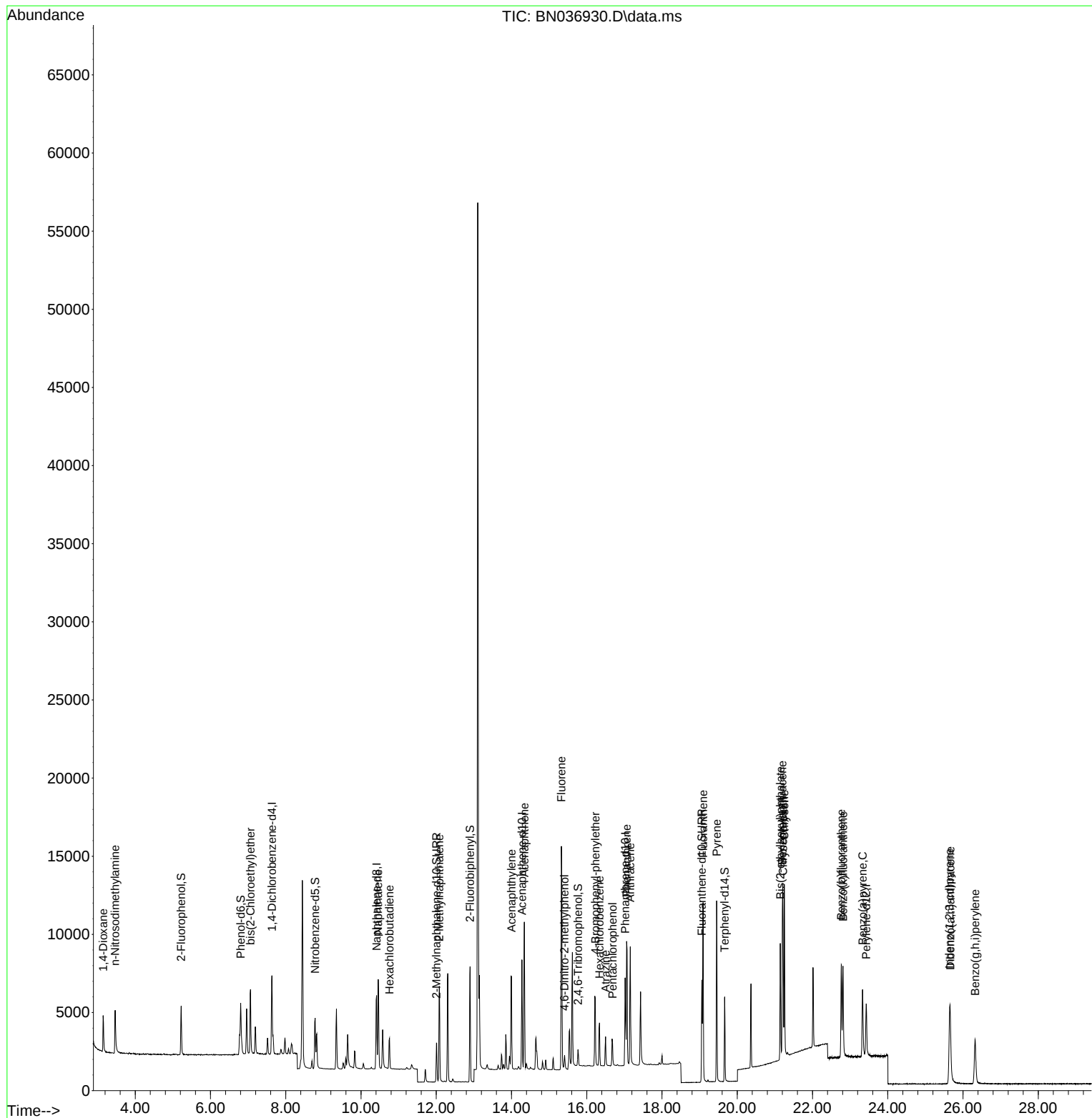
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.633	152	2409	0.400	ng	0.00
7) Naphthalene-d8	10.415	136	6199	0.400	ng	0.00
13) Acenaphthene-d10	14.277	164	3595	0.400	ng	0.00
19) Phenanthrene-d10	17.021	188	7165	0.400	ng	0.00
29) Chrysene-d12	21.215	240	5561	0.400	ng	0.00
35) Perylene-d12	23.427	264	4453	0.400	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.220	112	2200	0.357	ng	0.00
5) Phenol-d6	6.802	99	2639	0.348	ng	0.00
8) Nitrobenzene-d5	8.781	82	2643	0.408	ng	0.00
11) 2-Methylnaphthalene-d10	12.006	152	3565	0.411	ng	0.00
14) 2,4,6-Tribromophenol	15.767	330	524	0.327	ng	0.00
15) 2-Fluorobiphenyl	12.898	172	6791	0.391	ng	0.00
27) Fluoranthene-d10	19.059	212	7362	0.396	ng	0.00
31) Terphenyl-d14	19.667	244	5345	0.407	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.148	88	1307	0.435	ng	96
3) n-Nitrosodimethylamine	3.465	42	2382	0.409	ng	# 98
6) bis(2-Chloroethyl)ether	7.062	93	2960	0.421	ng	97
9) Naphthalene	10.458	128	7201	0.399	ng	100
10) Hexachlorobutadiene	10.757	225	1616	0.414	ng	# 98
12) 2-Methylnaphthalene	12.082	142	4278	0.367	ng	100
16) Acenaphthylene	13.999	152	7225	0.411	ng	100
17) Acenaphthene	14.341	154	4406	0.382	ng	100
18) Fluorene	15.325	166	5893	0.390	ng	100
20) 4,6-Dinitro-2-methylph...	15.410	198	612	0.323	ng	91
21) 4-Bromophenyl-phenylether	16.227	248	1798	0.376	ng	96
22) Hexachlorobenzene	16.338	284	2026	0.387	ng	99
23) Atrazine	16.500	200	1554	0.403	ng	99
24) Pentachlorophenol	16.686	266	885	0.315	ng	99
25) Phenanthrene	17.058	178	9212	0.390	ng	100
26) Anthracene	17.157	178	8400	0.393	ng	100
28) Fluoranthene	19.091	202	10081	0.380	ng	99
30) Pyrene	19.453	202	10076	0.376	ng	100
32) Benzo(a)anthracene	21.197	228	8105	0.396	ng	98
33) Chrysene	21.251	228	8947	0.405	ng	99
34) Bis(2-ethylhexyl)phtha...	21.144	149	4190	0.360	ng	99
36) Indeno(1,2,3-cd)pyrene	25.640	276	6626	0.364	ng	99
37) Benzo(b)fluoranthene	22.763	252	7283	0.389	ng	99
38) Benzo(k)fluoranthene	22.810	252	7655	0.407	ng	98
39) Benzo(a)pyrene	23.330	252	6417	0.417	ng	97
40) Dibenzo(a,h)anthracene	25.663	278	5177	0.362	ng	99
41) Benzo(g,h,i)perylene	26.321	276	5705	0.359	ng	98

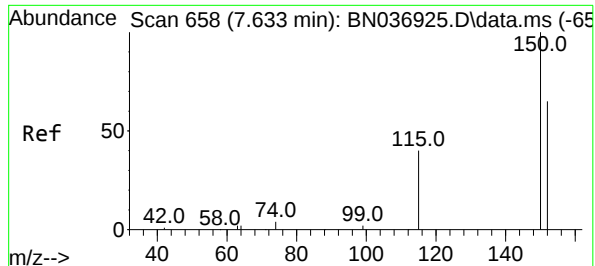
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN042825\
Data File : BN036930.D
Acq On : 28 Apr 2025 15:51
Operator : RC/JU
Sample : SSTDICV0.4
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
ICVBN042825

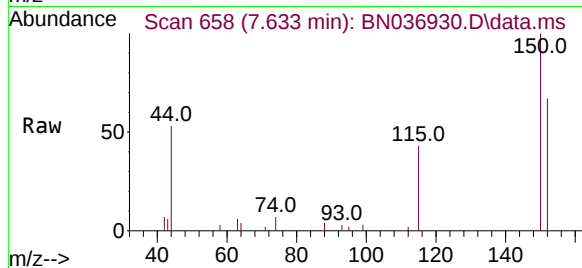
Quant Time: Apr 28 18:00:30 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN042825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Apr 28 15:35:03 2025
Response via : Initial Calibration



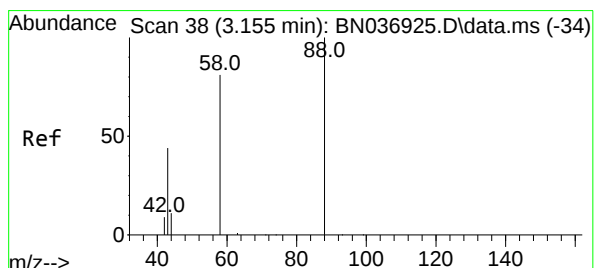
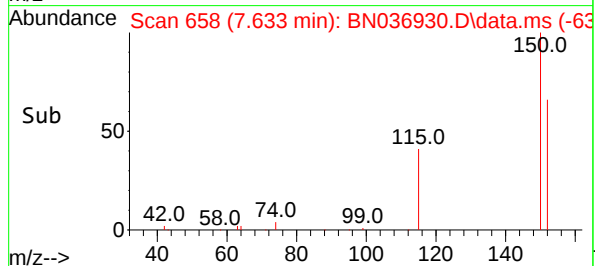
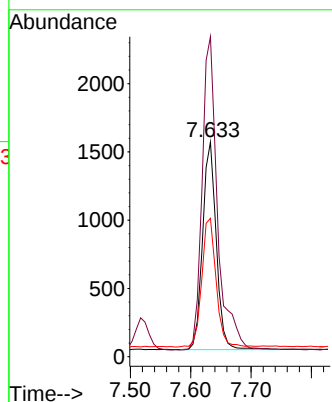


#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.633 min Scan# 61
Delta R.T. -0.000 min
Lab File: BN036930.D
Acq: 28 Apr 2025 15:51

Instrument :
BNA_N
ClientSampleId :
ICVBN042825

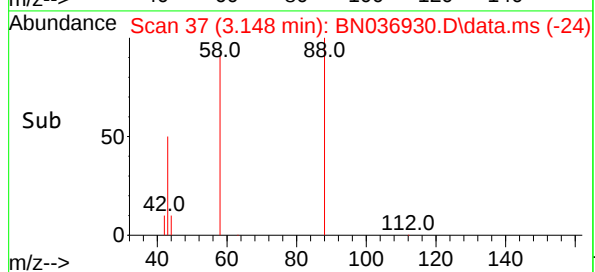
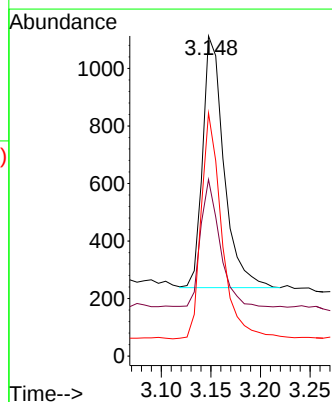
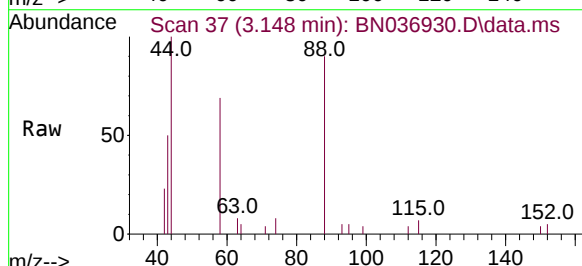


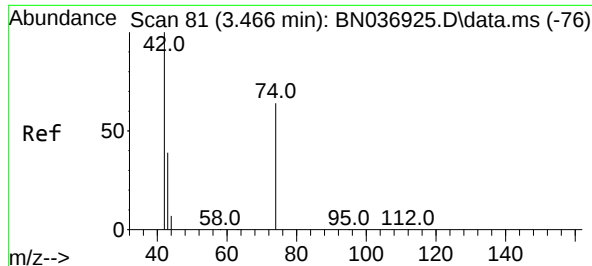
Tgt Ion:152 Resp: 2409
Ion Ratio Lower Upper
152 100
150 149.0 121.1 181.7
115 64.5 51.8 77.6



#2
1,4-Dioxane
Concen: 0.435 ng
RT: 3.148 min Scan# 37
Delta R.T. -0.007 min
Lab File: BN036930.D
Acq: 28 Apr 2025 15:51

Tgt Ion: 88 Resp: 1307
Ion Ratio Lower Upper
88 100
43 46.8 37.9 56.9
58 87.2 65.8 98.6

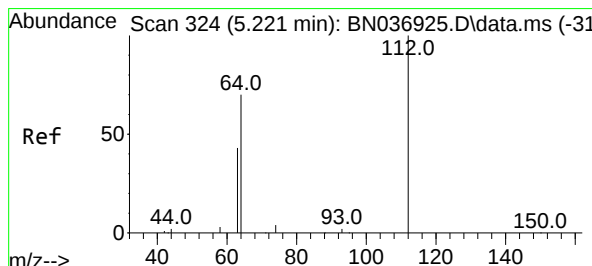
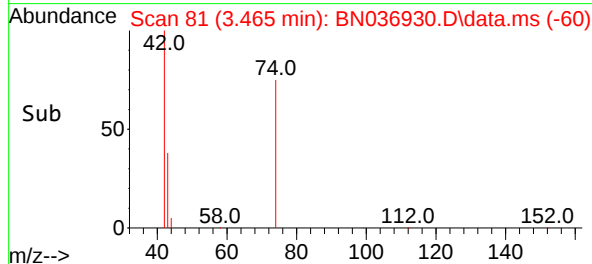
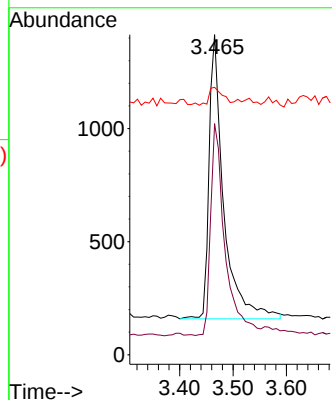
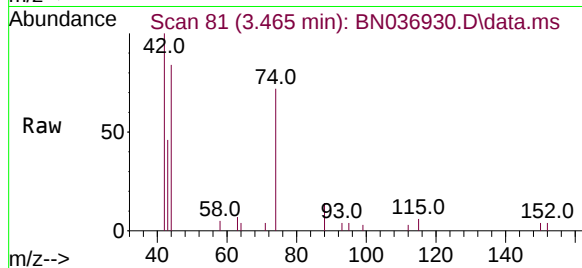




#3
n-Nitrosodimethylamine
Concen: 0.409 ng
RT: 3.465 min Scan# 81
Delta R.T. -0.000 min
Lab File: BN036930.D
Acq: 28 Apr 2025 15:51

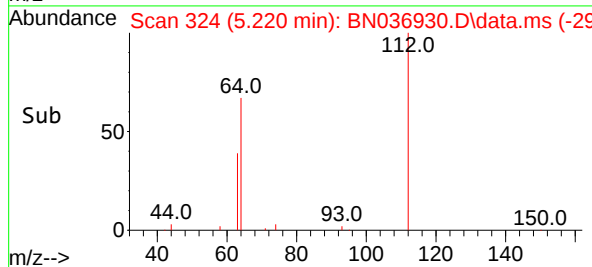
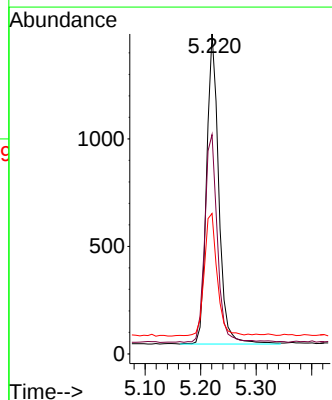
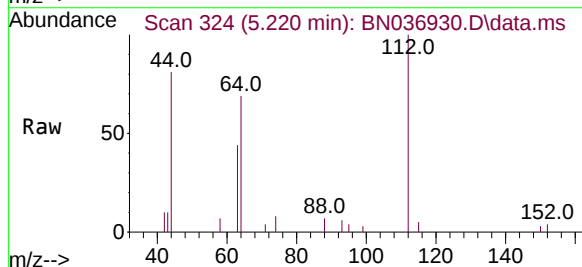
Instrument :
BNA_N
ClientSampleId :
ICVBN042825

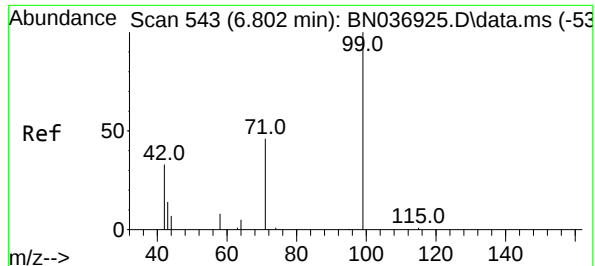
Tgt Ion: 42 Resp: 2382
Ion Ratio Lower Upper
42 100
74 73.5 59.9 89.9
44 6.3 7.5 11.3#



#4
2-Fluorophenol
Concen: 0.357 ng
RT: 5.220 min Scan# 324
Delta R.T. -0.000 min
Lab File: BN036930.D
Acq: 28 Apr 2025 15:51

Tgt Ion: 112 Resp: 2200
Ion Ratio Lower Upper
112 100
64 69.0 55.7 83.5
63 41.9 33.9 50.9

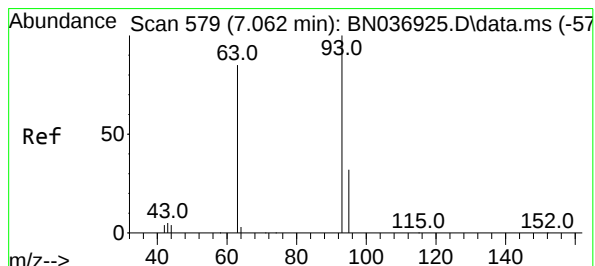
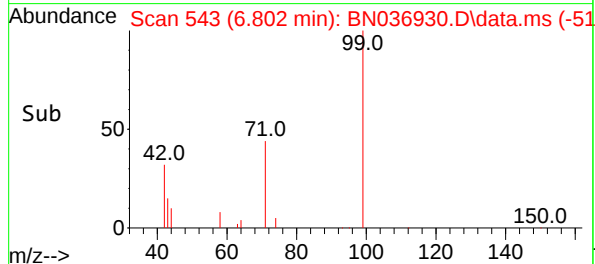
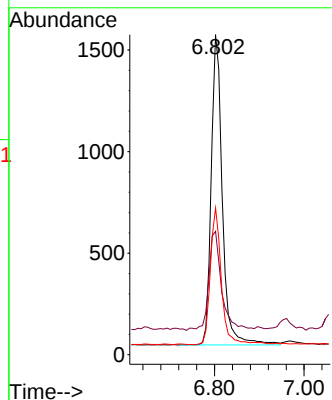
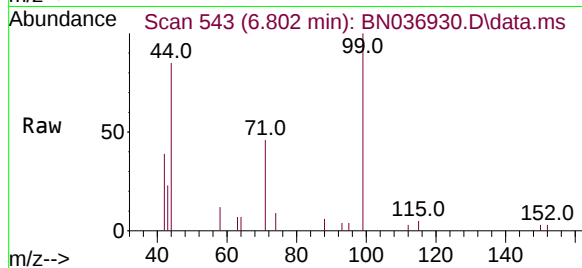




#5
Phenol-d6
Concen: 0.348 ng
RT: 6.802 min Scan# 543
Delta R.T. -0.000 min
Lab File: BN036930.D
Acq: 28 Apr 2025 15:51

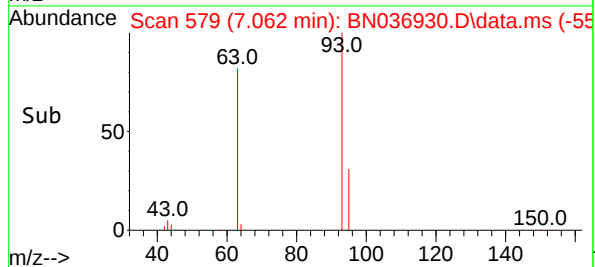
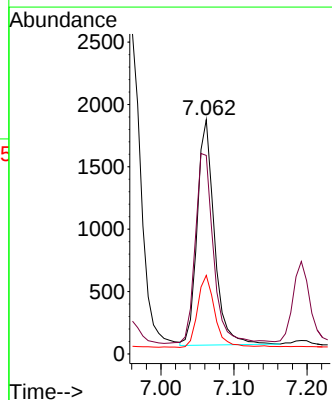
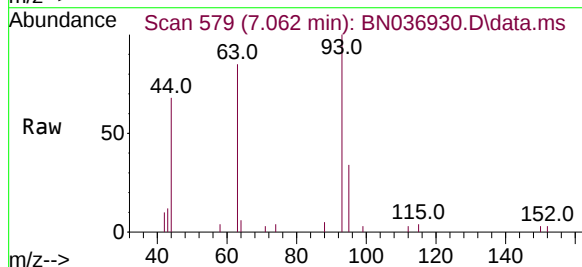
Instrument :
BNA_N
ClientSampleId :
ICVBN042825

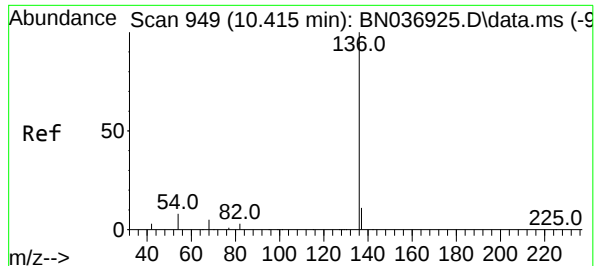
Tgt Ion	Ratio	Lower	Upper
99	100		
42	36.9	29.6	44.4
71	43.1	36.0	54.0



#6
bis(2-Chloroethyl)ether
Concen: 0.421 ng
RT: 7.062 min Scan# 579
Delta R.T. -0.000 min
Lab File: BN036930.D
Acq: 28 Apr 2025 15:51

Tgt Ion	Ratio	Lower	Upper
93	100		
63	89.5	69.0	103.6
95	31.8	25.4	38.0

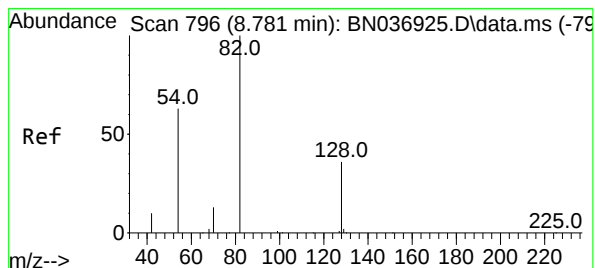
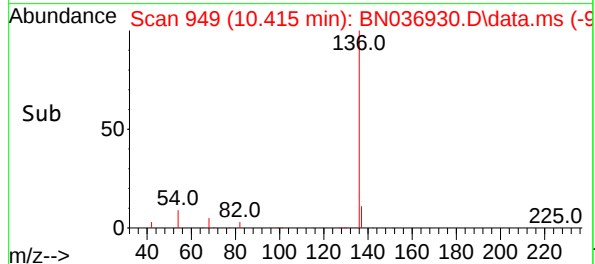
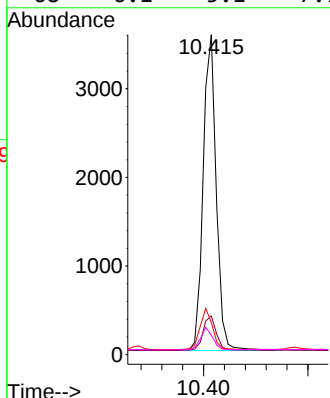
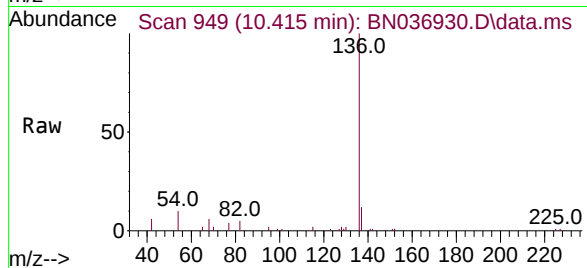




#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.415 min Scan# 949
Delta R.T. -0.000 min
Lab File: BN036930.D
Acq: 28 Apr 2025 15:51

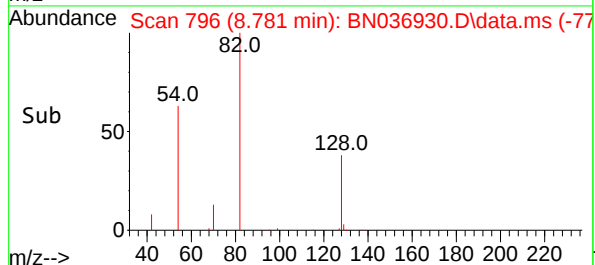
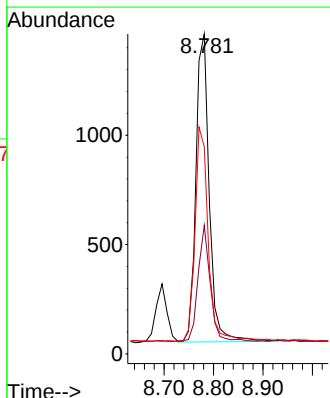
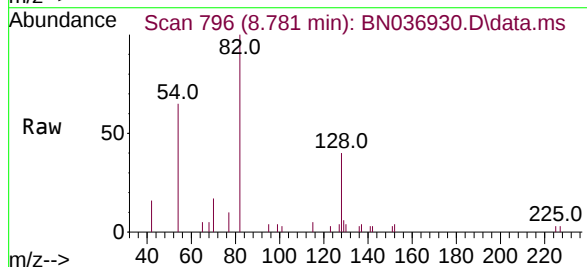
Instrument :
BNA_N
ClientSampleId :
ICVBN042825

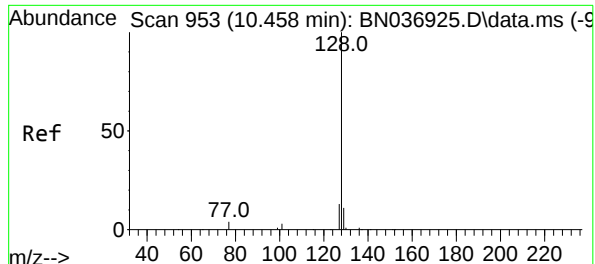
Tgt Ion:	136	Resp:	6199
Ion	Ratio	Lower	Upper
136	100		
137	12.1	9.7	14.5
54	10.1	8.0	12.0
68	6.1	5.1	7.7



#8
Nitrobenzene-d5
Concen: 0.408 ng
RT: 8.781 min Scan# 796
Delta R.T. -0.000 min
Lab File: BN036930.D
Acq: 28 Apr 2025 15:51

Tgt Ion:	82	Resp:	2643
Ion	Ratio	Lower	Upper
82	100		
128	40.2	30.7	46.1
54	64.7	52.1	78.1





#9

Naphthalene

Concen: 0.399 ng

RT: 10.458 min Scan# 91

Delta R.T. -0.000 min

Lab File: BN036930.D

Acq: 28 Apr 2025 15:51

Instrument :

BNA_N

ClientSampleId :

ICVBN042825

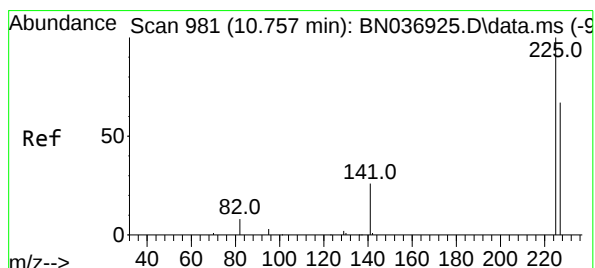
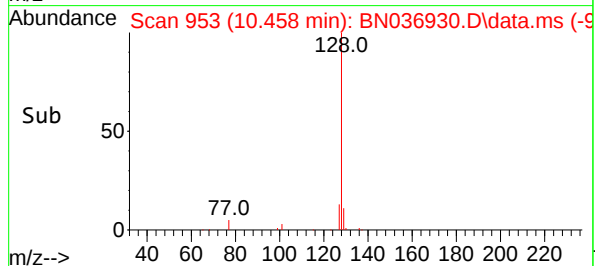
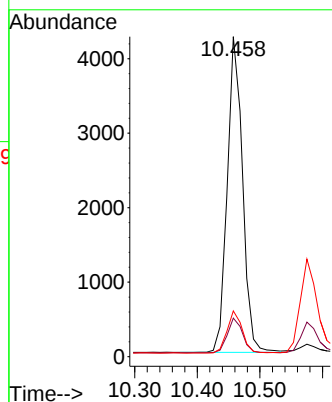
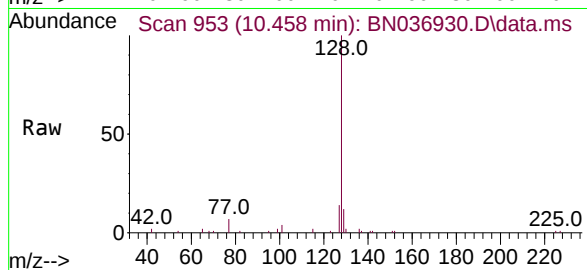
Tgt Ion:128 Resp: 7201

Ion Ratio Lower Upper

128 100

129 12.1 9.8 14.6

127 14.3 11.4 17.2



#10

Hexachlorobutadiene

Concen: 0.414 ng

RT: 10.757 min Scan# 981

Delta R.T. -0.000 min

Lab File: BN036930.D

Acq: 28 Apr 2025 15:51

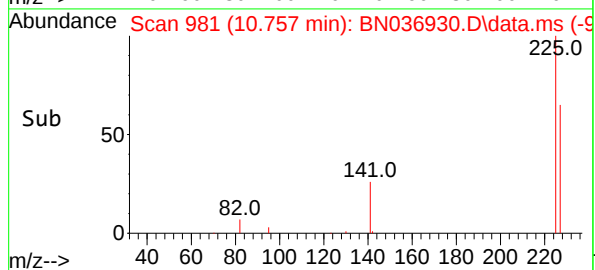
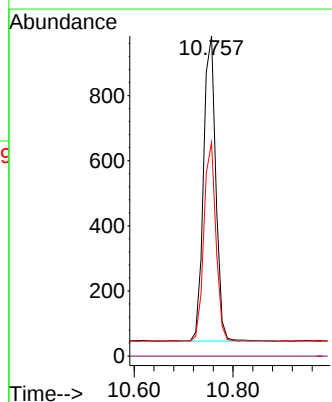
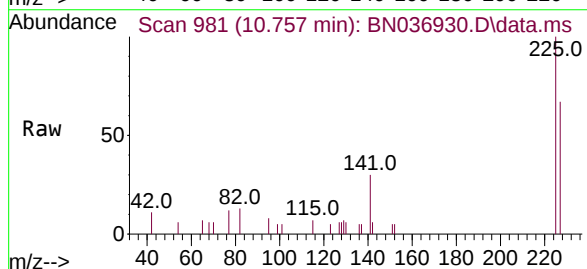
Tgt Ion:225 Resp: 1616

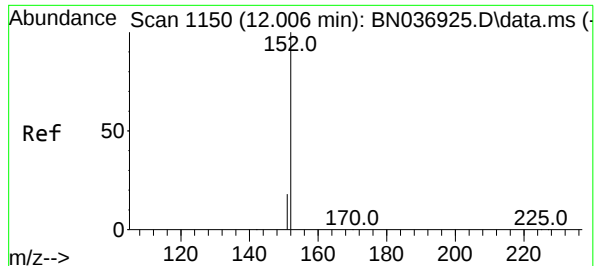
Ion Ratio Lower Upper

225 100

223 0.0 0.0 0.0

227 63.5 52.2 78.4

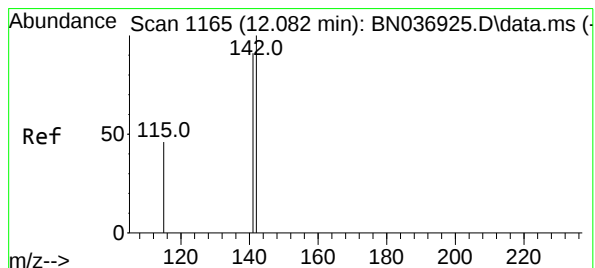
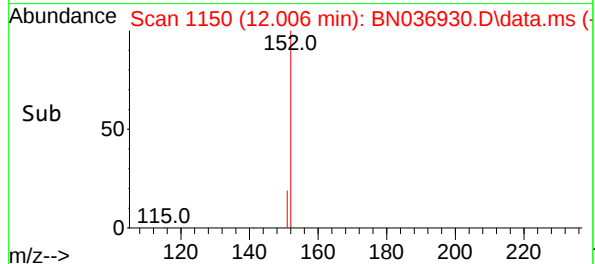
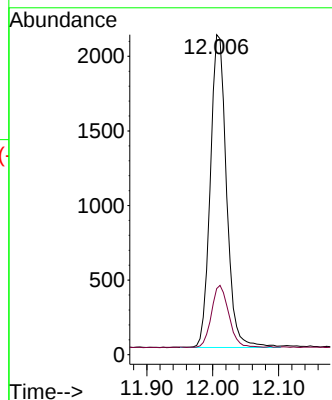
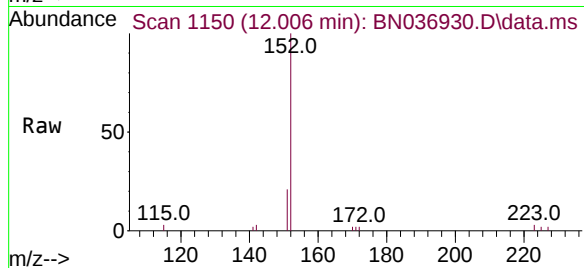




#11
2-Methylnaphthalene-d10
Concen: 0.411 ng
RT: 12.006 min Scan# 1150
Delta R.T. -0.000 min
Lab File: BN036930.D
Acq: 28 Apr 2025 15:51

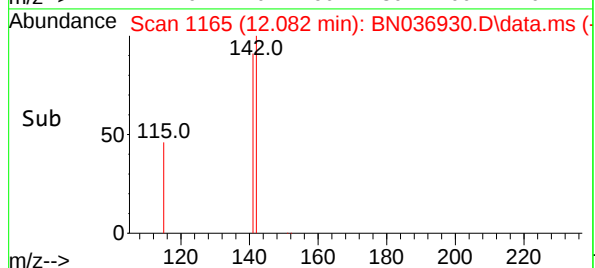
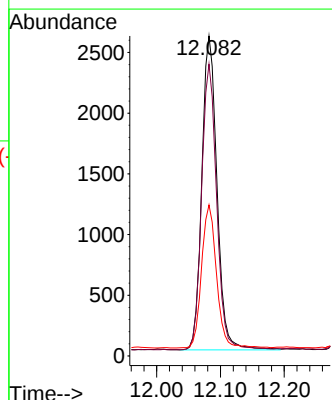
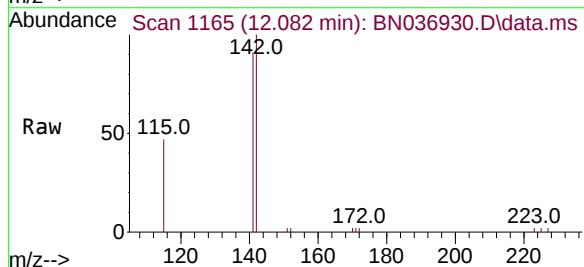
Instrument :
BNA_N
ClientSampleId :
ICVBN042825

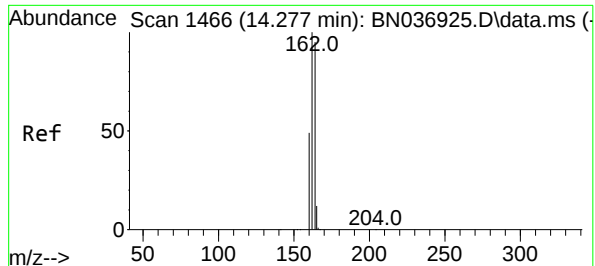
Tgt Ion:152 Resp: 3565
Ion Ratio Lower Upper
152 100
151 21.3 16.9 25.3



#12
2-Methylnaphthalene
Concen: 0.367 ng
RT: 12.082 min Scan# 1165
Delta R.T. -0.000 min
Lab File: BN036930.D
Acq: 28 Apr 2025 15:51

Tgt Ion:142 Resp: 4278
Ion Ratio Lower Upper
142 100
141 91.2 72.8 109.2
115 47.2 38.2 57.4

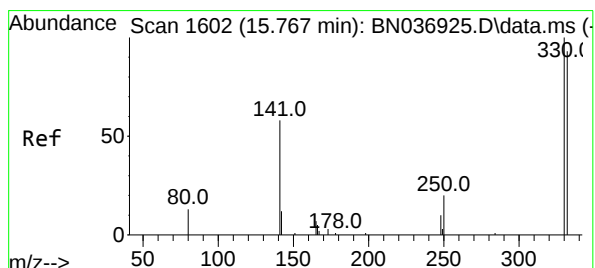
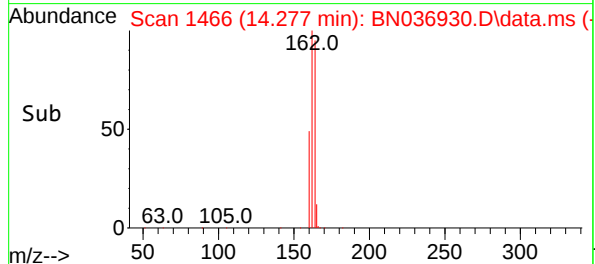
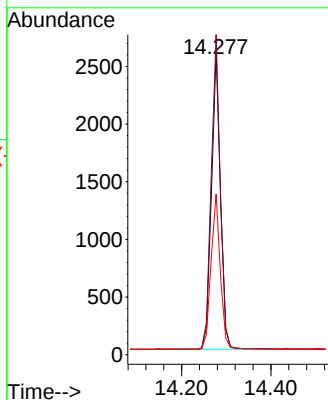
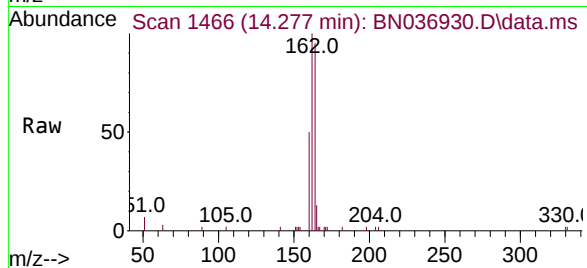




#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.277 min Scan# 1466
Delta R.T. -0.000 min
Lab File: BN036930.D
Acq: 28 Apr 2025 15:51

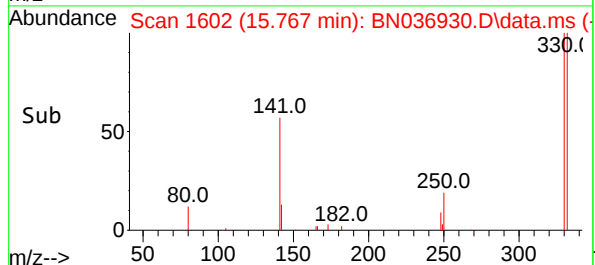
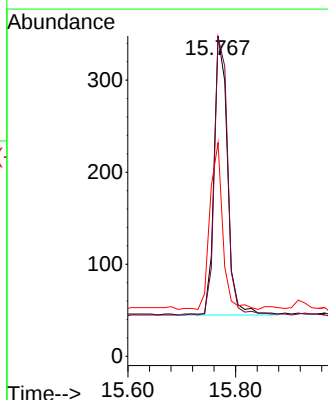
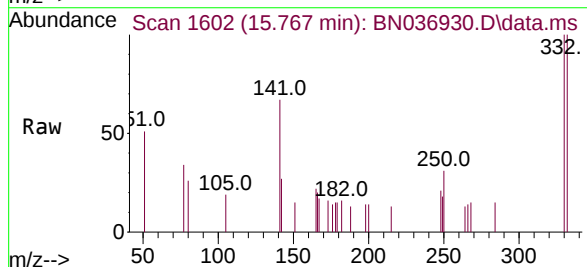
Instrument :
BNA_N
ClientSampleId :
ICVBN042825

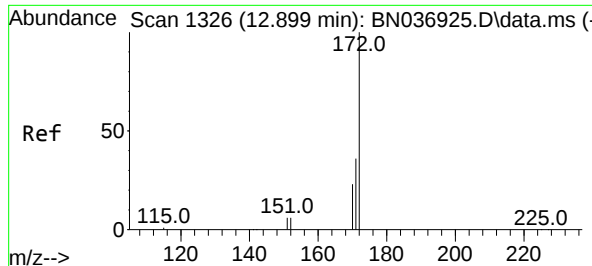
Tgt Ion:164 Resp: 3595
Ion Ratio Lower Upper
164 100
162 105.4 83.8 125.8
160 52.9 42.0 63.0



#14
2,4,6-Tribromophenol
Concen: 0.327 ng
RT: 15.767 min Scan# 1602
Delta R.T. -0.000 min
Lab File: BN036930.D
Acq: 28 Apr 2025 15:51

Tgt Ion:330 Resp: 524
Ion Ratio Lower Upper
330 100
332 98.9 76.3 114.5
141 56.5 45.4 68.2

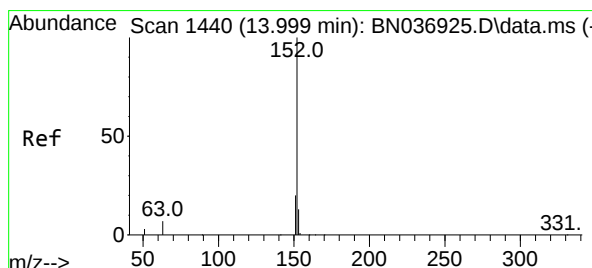
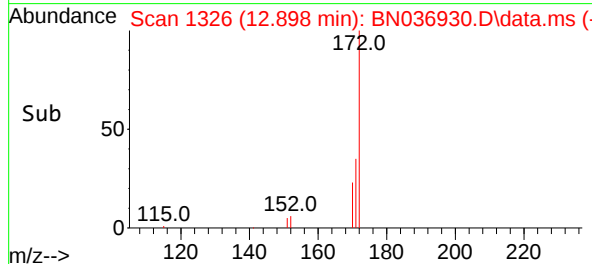
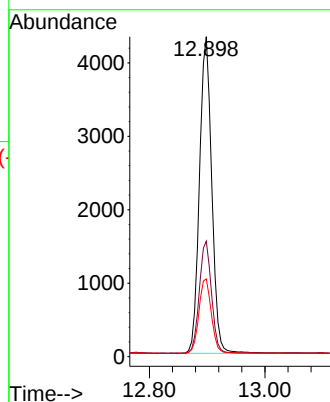
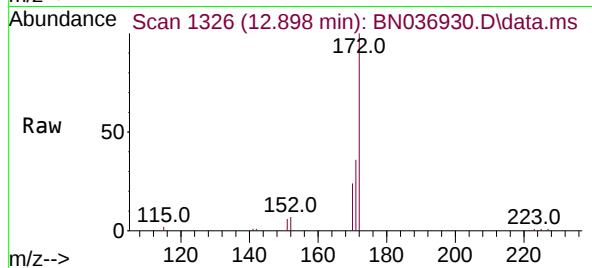




#15
2-Fluorobiphenyl
Concen: 0.391 ng
RT: 12.898 min Scan# 11
Delta R.T. -0.000 min
Lab File: BN036930.D
Acq: 28 Apr 2025 15:51

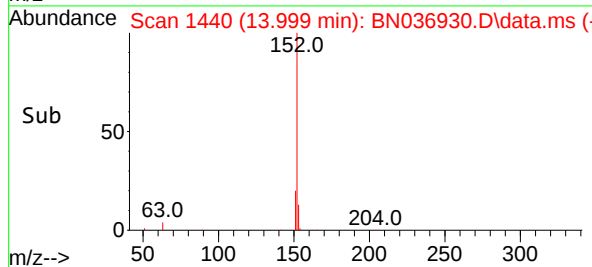
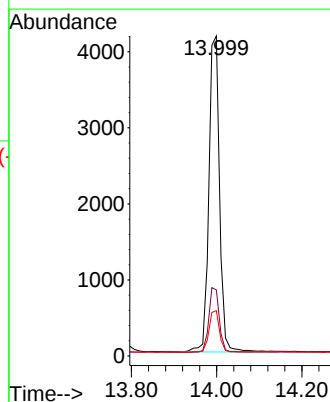
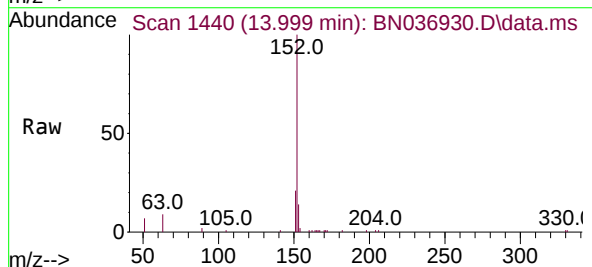
Instrument :
BNA_N
ClientSampleId :
ICVBN042825

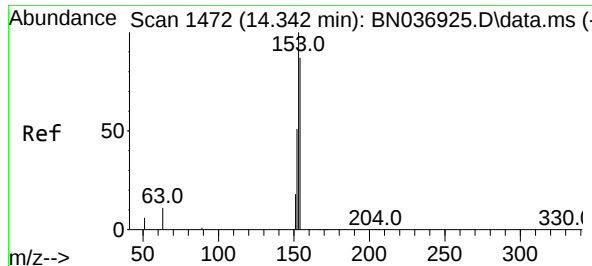
Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.1	29.4	44.0
170	24.3	19.4	29.0



#16
Acenaphthylene
Concen: 0.411 ng
RT: 13.999 min Scan# 1440
Delta R.T. -0.000 min
Lab File: BN036930.D
Acq: 28 Apr 2025 15:51

Tgt Ion	Ratio	Lower	Upper
152	100		
151	20.1	16.0	24.0
153	13.0	10.2	15.2

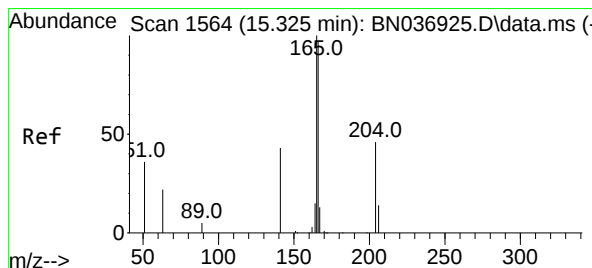
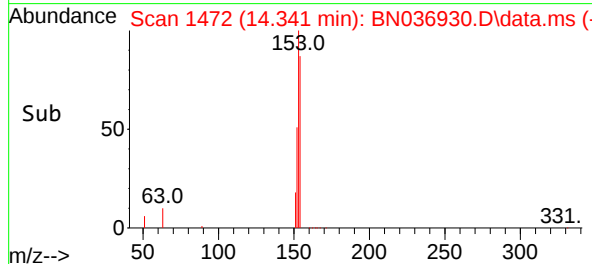
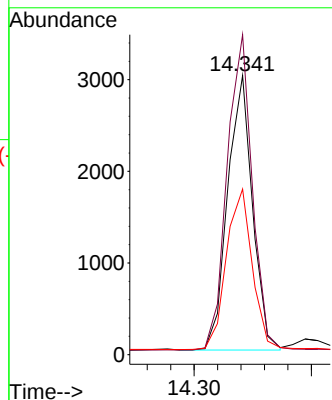
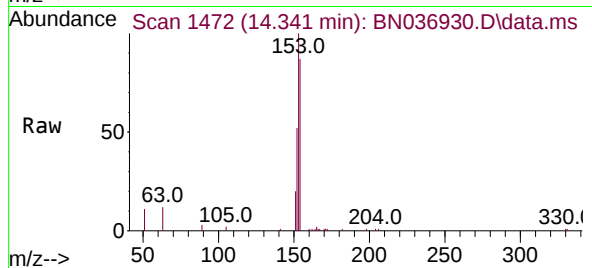




#17
Acenaphthene
Concen: 0.382 ng
RT: 14.341 min Scan# 1472
Delta R.T. -0.000 min
Lab File: BN036930.D
Acq: 28 Apr 2025 15:51

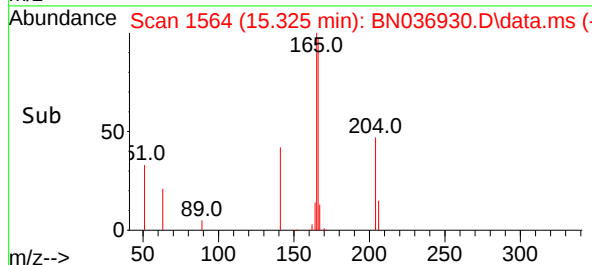
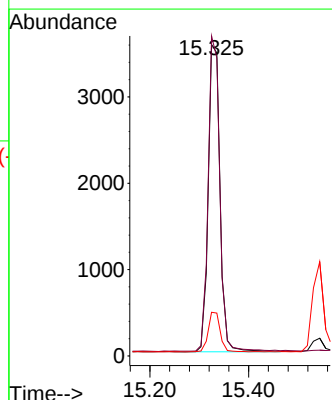
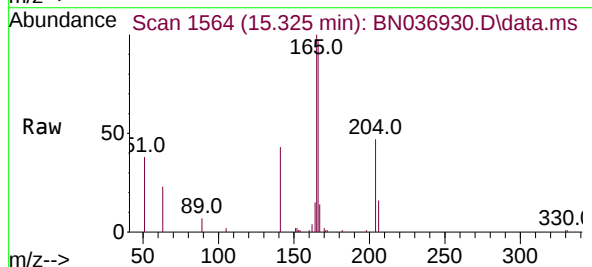
Instrument :
BNA_N
ClientSampleId :
ICVBN042825

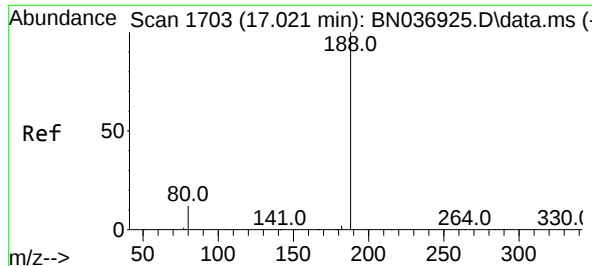
Tgt Ion:154 Resp: 4406
Ion Ratio Lower Upper
154 100
153 116.8 93.4 140.2
152 61.9 49.5 74.3



#18
Fluorene
Concen: 0.390 ng
RT: 15.325 min Scan# 1564
Delta R.T. -0.000 min
Lab File: BN036930.D
Acq: 28 Apr 2025 15:51

Tgt Ion:166 Resp: 5893
Ion Ratio Lower Upper
166 100
165 100.7 80.8 121.2
167 13.3 10.8 16.2





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 17.021 min Scan# 1

Delta R.T. -0.000 min

Lab File: BN036930.D

Acq: 28 Apr 2025 15:51

Instrument :

BNA_N

ClientSampleId :

ICVBN042825

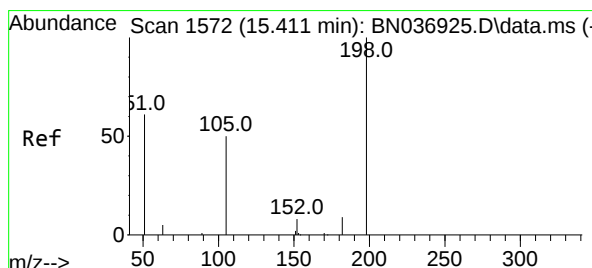
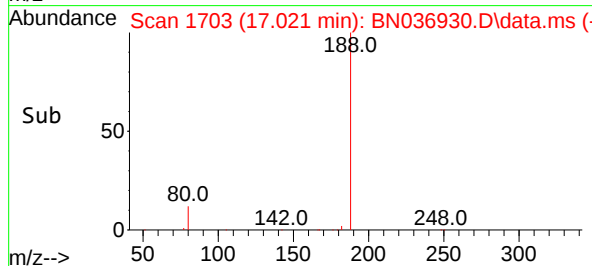
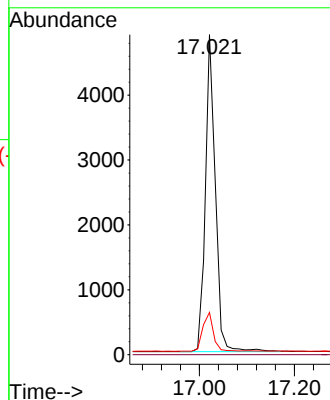
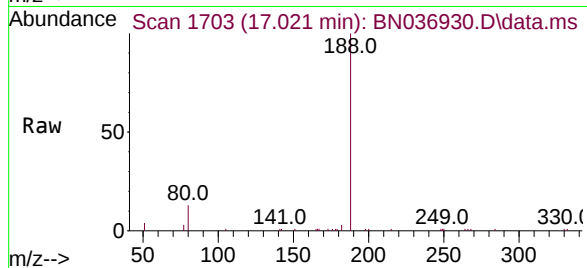
Tgt Ion:188 Resp: 7165

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

80 13.2 10.7 16.1



#20

4,6-Dinitro-2-methylphenol

Concen: 0.323 ng

RT: 15.410 min Scan# 1572

Delta R.T. -0.001 min

Lab File: BN036930.D

Acq: 28 Apr 2025 15:51

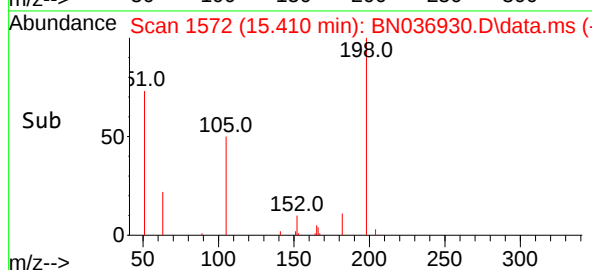
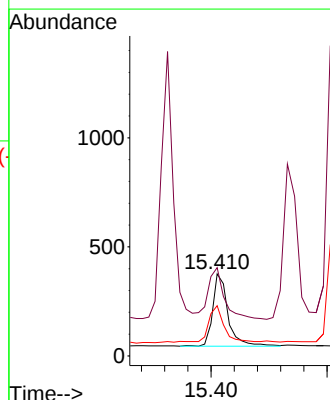
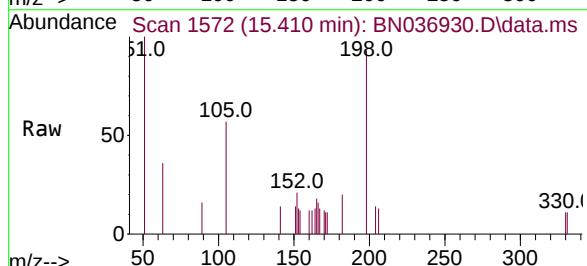
Tgt Ion:198 Resp: 612

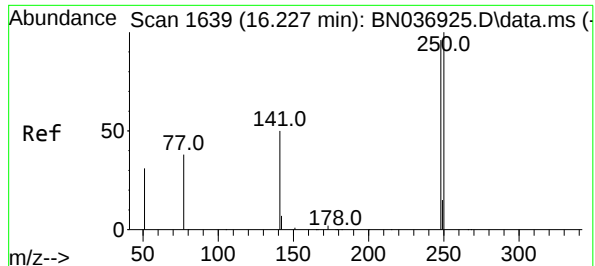
Ion Ratio Lower Upper

198 100

51 107.7 97.9 146.9

105 61.2 50.0 75.0

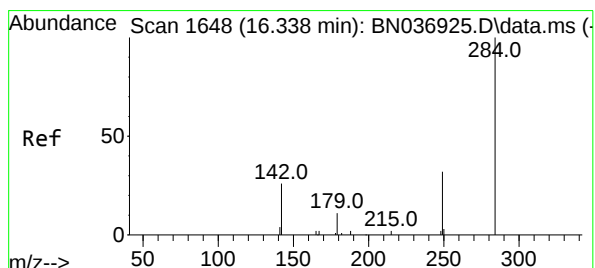
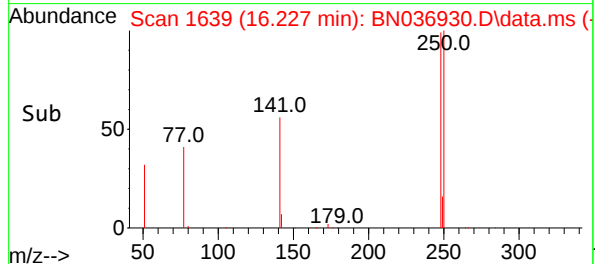
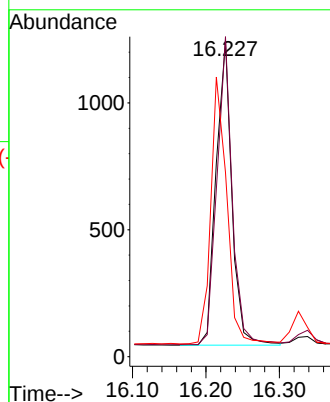
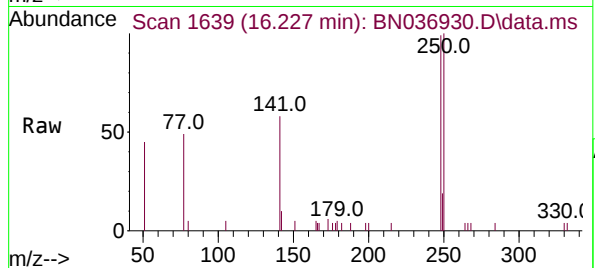




#21
4-Bromophenyl-phenylether
Concen: 0.376 ng
RT: 16.227 min Scan# 1639
Delta R.T. -0.000 min
Lab File: BN036930.D
Acq: 28 Apr 2025 15:51

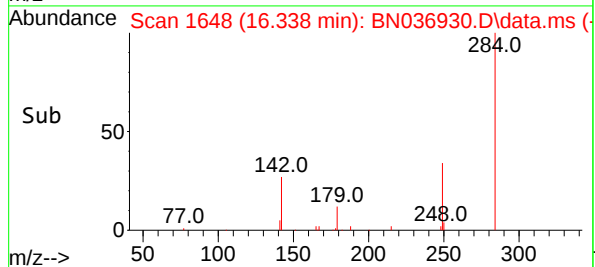
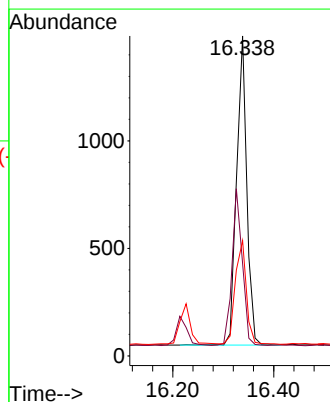
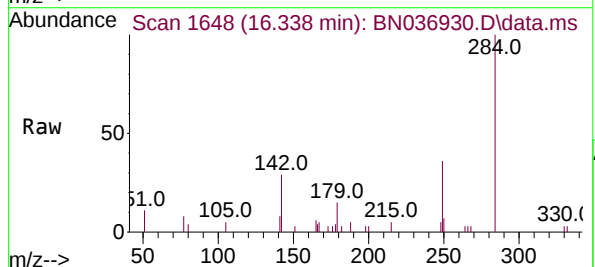
Instrument :
BNA_N
ClientSampleId :
ICVBN042825

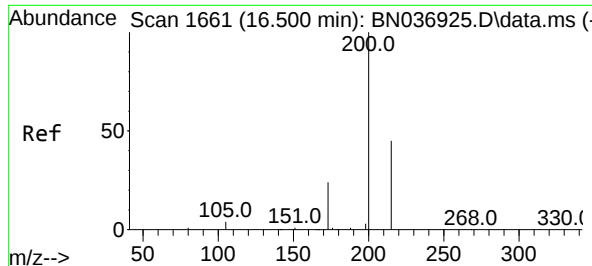
Tgt Ion:248 Resp: 1798
Ion Ratio Lower Upper
248 100
250 101.3 83.7 125.5
141 58.3 43.8 65.8



#22
Hexachlorobenzene
Concen: 0.387 ng
RT: 16.338 min Scan# 1648
Delta R.T. -0.000 min
Lab File: BN036930.D
Acq: 28 Apr 2025 15:51

Tgt Ion:284 Resp: 2026
Ion Ratio Lower Upper
284 100
142 50.7 40.0 60.0
249 36.4 28.2 42.2

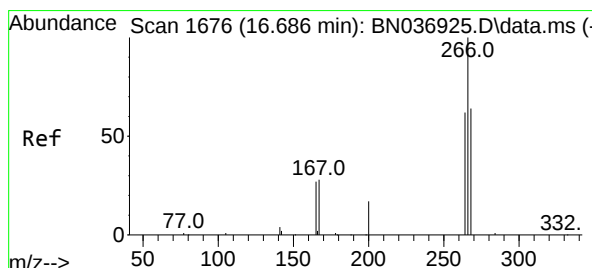
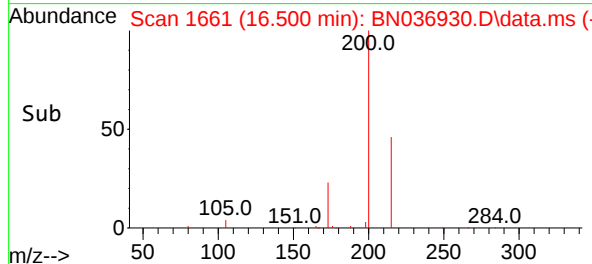
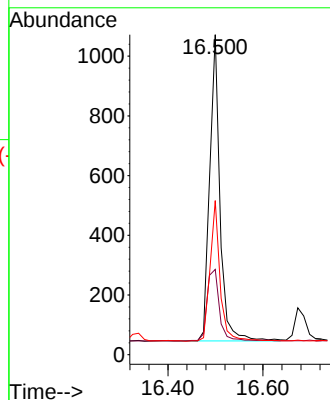
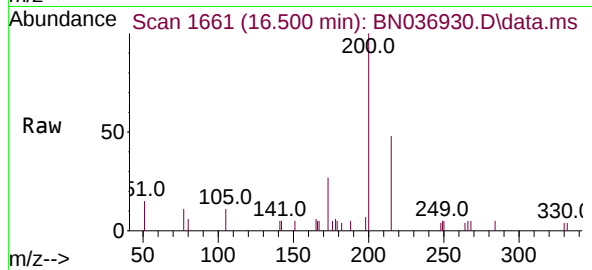




#23
Atrazine
Concen: 0.403 ng
RT: 16.500 min Scan# 1661
Delta R.T. -0.000 min
Lab File: BN036930.D
Acq: 28 Apr 2025 15:51

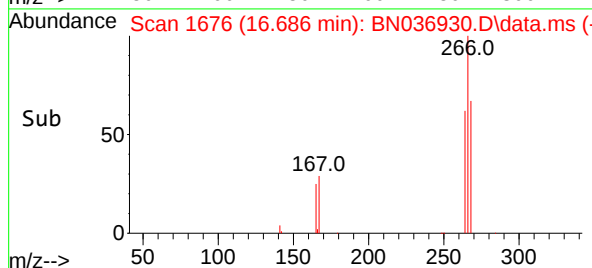
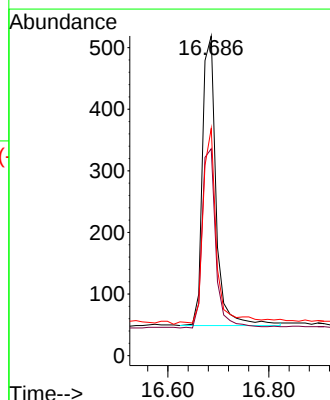
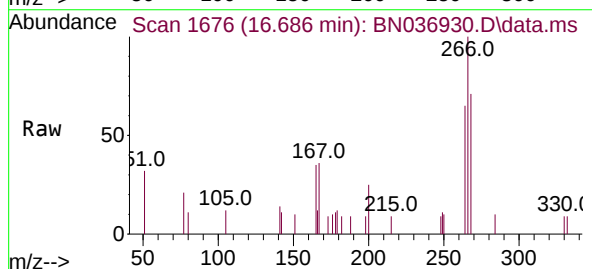
Instrument :
BNA_N
ClientSampleId :
ICVBN042825

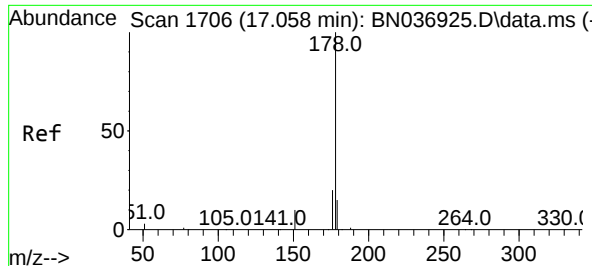
Tgt Ion	Ratio	Lower	Upper
200	100		
173	26.7	22.4	33.6
215	48.1	38.6	57.8



#24
Pentachlorophenol
Concen: 0.315 ng
RT: 16.686 min Scan# 1676
Delta R.T. -0.000 min
Lab File: BN036930.D
Acq: 28 Apr 2025 15:51

Tgt Ion	Ratio	Lower	Upper
266	100		
264	62.4	49.9	74.9
268	67.1	52.2	78.4

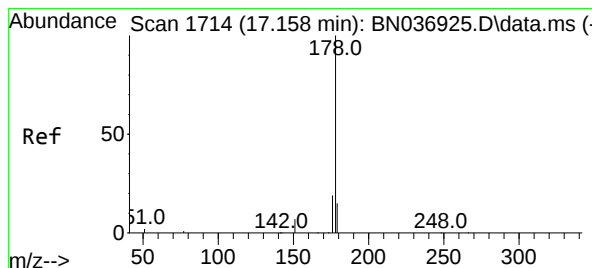
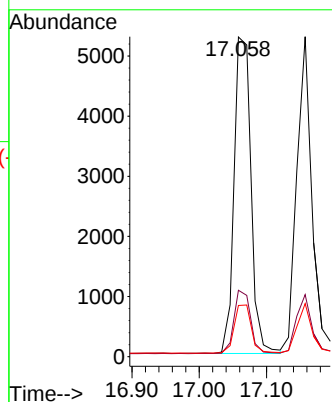
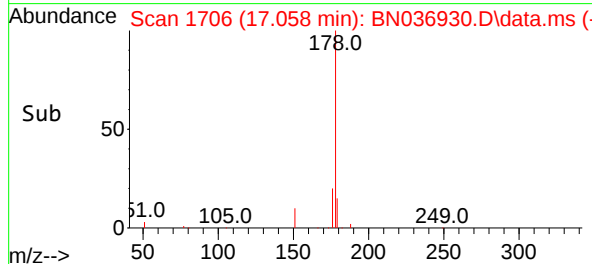
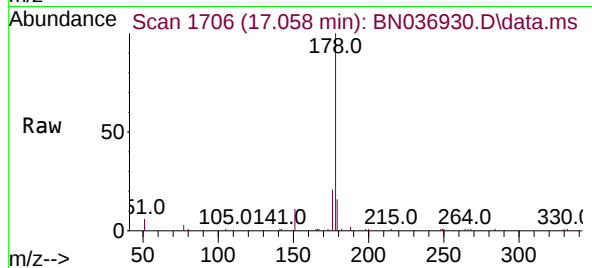




#25
Phenanthrene
Concen: 0.390 ng
RT: 17.058 min Scan# 1706
Delta R.T. -0.000 min
Lab File: BN036930.D
Acq: 28 Apr 2025 15:51

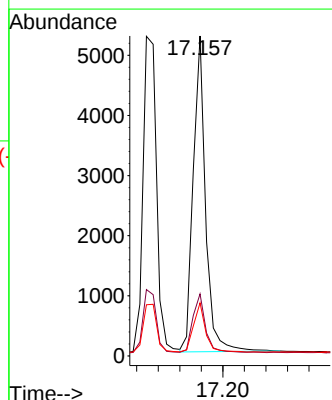
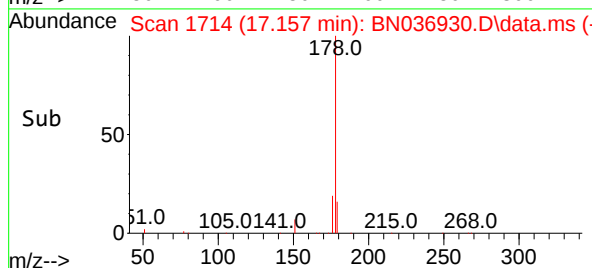
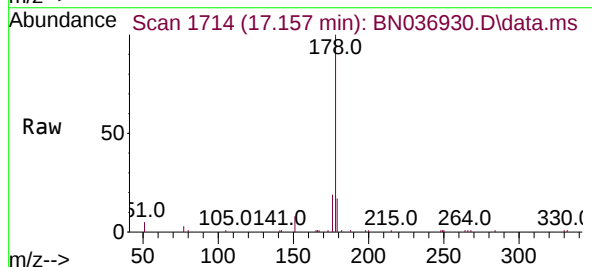
Instrument :
BNA_N
ClientSampleId :
ICVBN042825

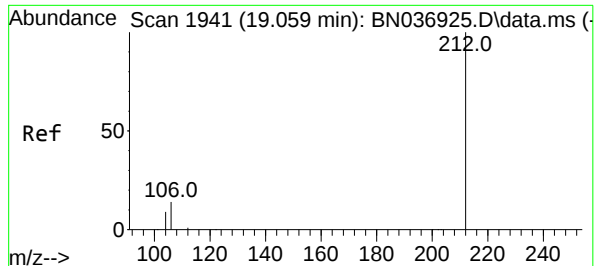
Tgt Ion	178	176	179
Resp:	9212		
Ion Ratio	100	19.8	15.5
Lower		15.7	12.4
Upper		23.5	18.6



#26
Anthracene
Concen: 0.393 ng
RT: 17.157 min Scan# 1714
Delta R.T. -0.000 min
Lab File: BN036930.D
Acq: 28 Apr 2025 15:51

Tgt Ion	178	176	179
Resp:	8400		
Ion Ratio	100	19.1	15.1
Lower		15.3	12.1
Upper		22.9	18.1





#27

Fluoranthene-d10

Concen: 0.396 ng

RT: 19.059 min Scan# 1941

Delta R.T. -0.000 min

Lab File: BN036930.D

Acq: 28 Apr 2025 15:51

Instrument :

BNA_N

ClientSampleId :

ICVBN042825

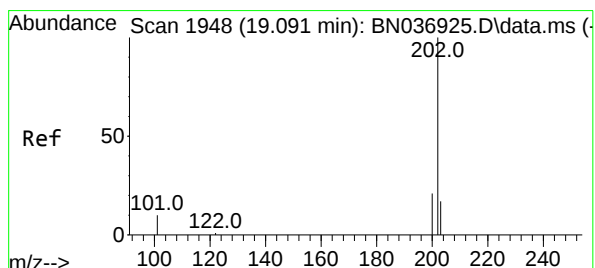
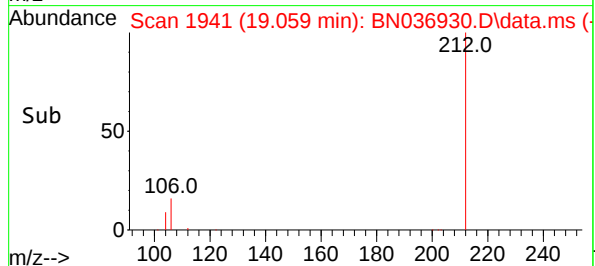
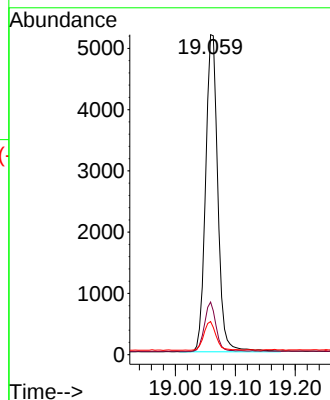
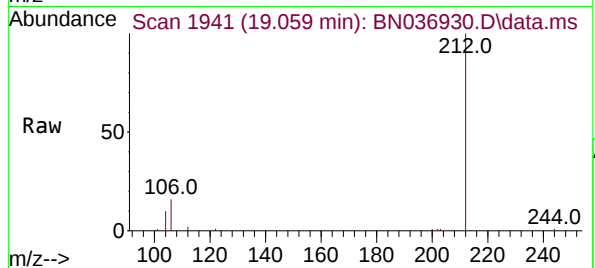
Tgt Ion:212 Resp: 7362

Ion Ratio Lower Upper

212 100

106 14.7 11.6 17.4

104 9.0 7.0 10.4



#28

Fluoranthene

Concen: 0.380 ng

RT: 19.091 min Scan# 1948

Delta R.T. -0.000 min

Lab File: BN036930.D

Acq: 28 Apr 2025 15:51

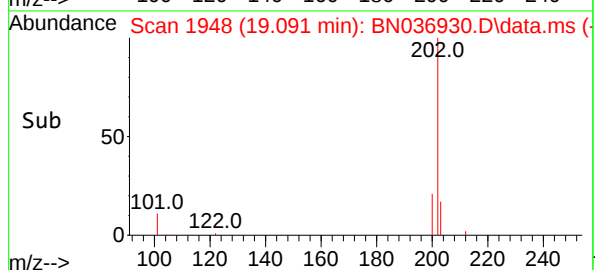
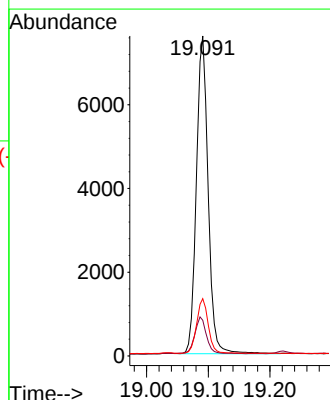
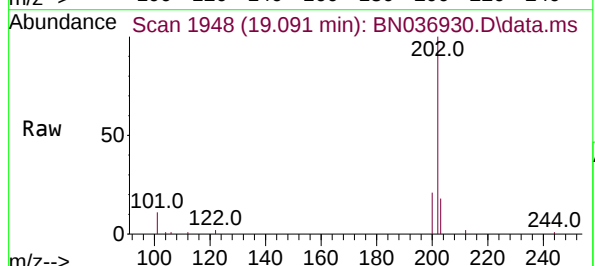
Tgt Ion:202 Resp: 10081

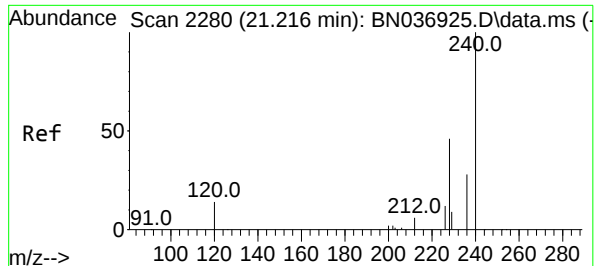
Ion Ratio Lower Upper

202 100

101 11.4 8.5 12.7

203 17.0 13.7 20.5





#29

Chrysene-d12

Concen: 0.400 ng

RT: 21.215 min Scan# 21

Delta R.T. -0.000 min

Lab File: BN036930.D

Acq: 28 Apr 2025 15:51

Instrument :

BNA_N

ClientSampleId :

ICVBN042825

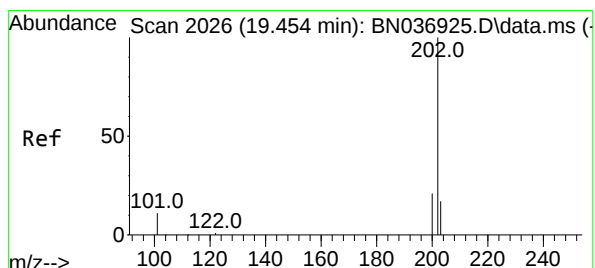
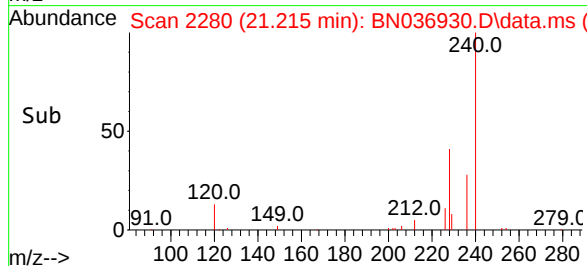
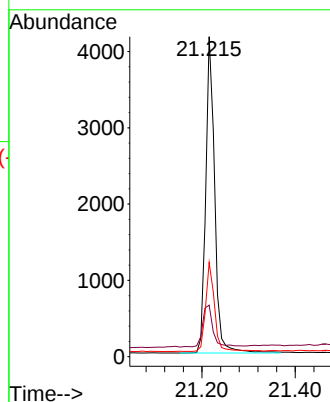
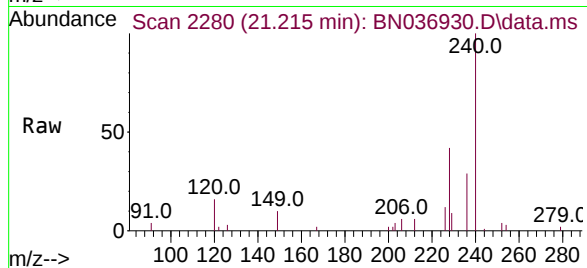
Tgt Ion:240 Resp: 5561

Ion Ratio Lower Upper

240 100

120 16.1 14.1 21.1

236 29.5 23.8 35.8



#30

Pyrene

Concen: 0.376 ng

RT: 19.453 min Scan# 2026

Delta R.T. -0.000 min

Lab File: BN036930.D

Acq: 28 Apr 2025 15:51

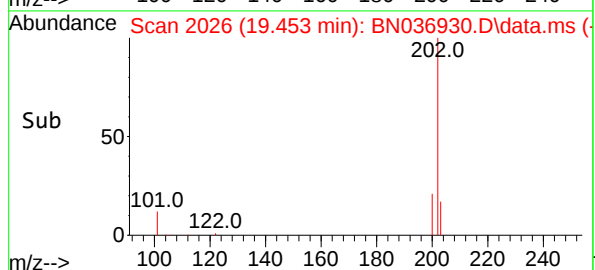
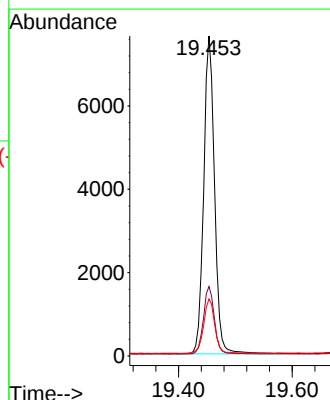
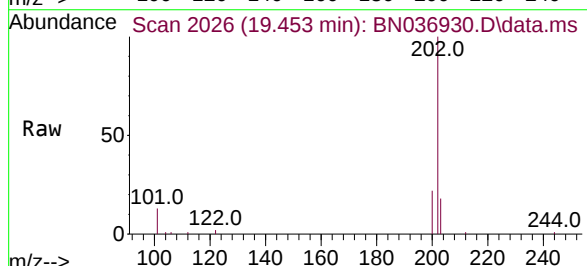
Tgt Ion:202 Resp: 10076

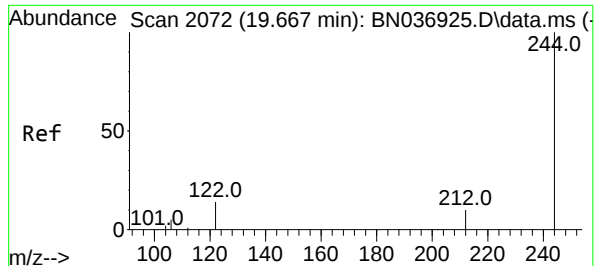
Ion Ratio Lower Upper

202 100

200 21.4 17.0 25.6

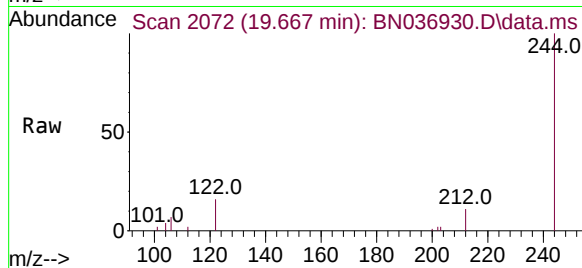
203 17.6 14.0 21.0



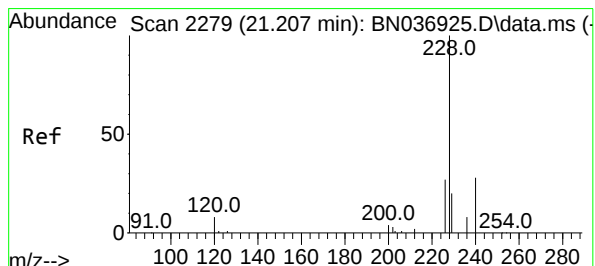
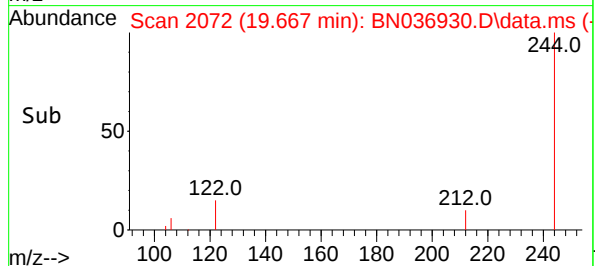
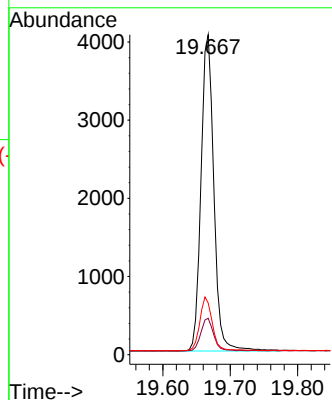


#31
Terphenyl-d14
Concen: 0.407 ng
RT: 19.667 min Scan# 2072
Delta R.T. -0.000 min
Lab File: BN036930.D
Acq: 28 Apr 2025 15:51

Instrument :
BNA_N
ClientSampleId :
ICVBN042825

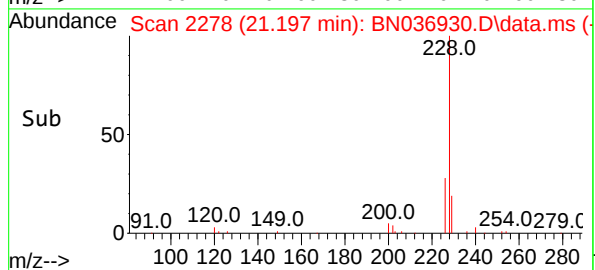
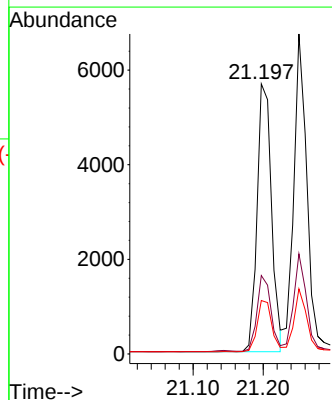
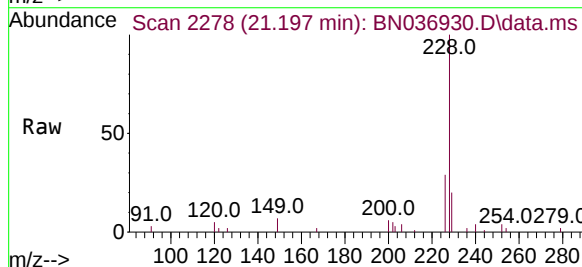


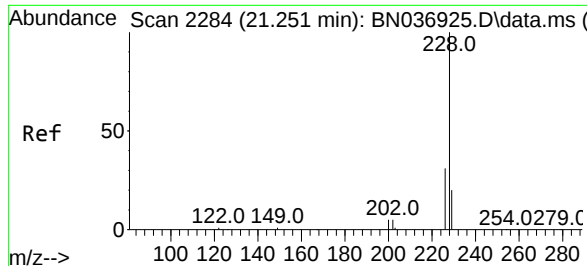
Tgt Ion:244 Resp: 5345
Ion Ratio Lower Upper
244 100
212 11.3 9.6 14.4
122 16.2 12.7 19.1



#32
Benzo(a)anthracene
Concen: 0.396 ng
RT: 21.197 min Scan# 2278
Delta R.T. -0.009 min
Lab File: BN036930.D
Acq: 28 Apr 2025 15:51

Tgt Ion:228 Resp: 8105
Ion Ratio Lower Upper
228 100
226 29.1 22.2 33.4
229 19.8 16.4 24.6





#33

Chrysene

Concen: 0.405 ng

RT: 21.251 min Scan# 21

Delta R.T. -0.000 min

Lab File: BN036930.D

Acq: 28 Apr 2025 15:51

Instrument :

BNA_N

ClientSampleId :

ICVBN042825

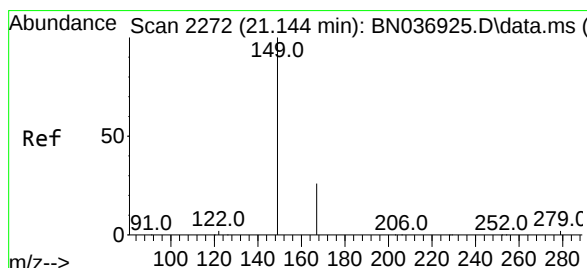
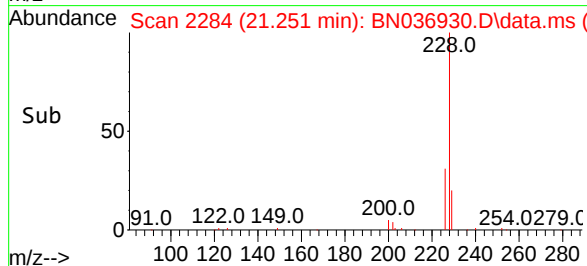
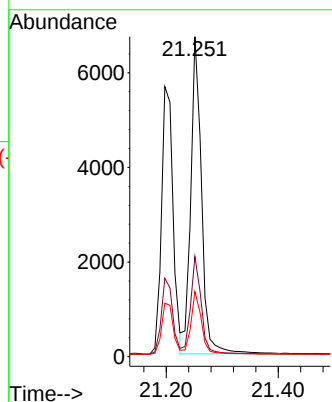
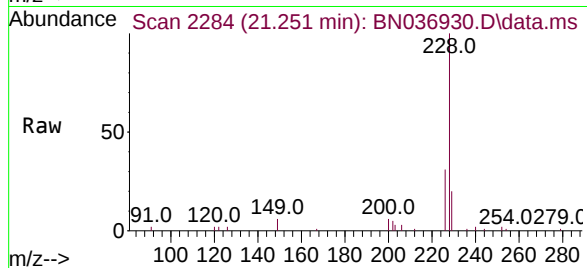
Tgt Ion:228 Resp: 8947

Ion Ratio Lower Upper

228 100

226 31.3 25.5 38.3

229 20.4 16.5 24.7



#34

Bis(2-ethylhexyl)phthalate

Concen: 0.360 ng

RT: 21.144 min Scan# 2272

Delta R.T. -0.000 min

Lab File: BN036930.D

Acq: 28 Apr 2025 15:51

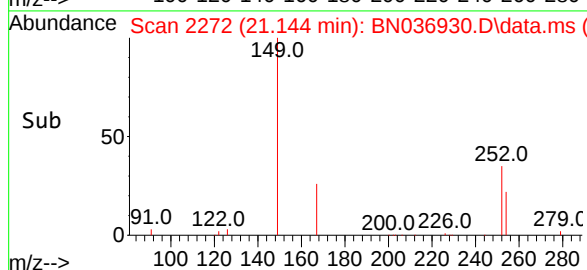
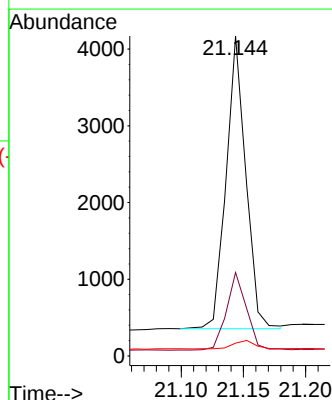
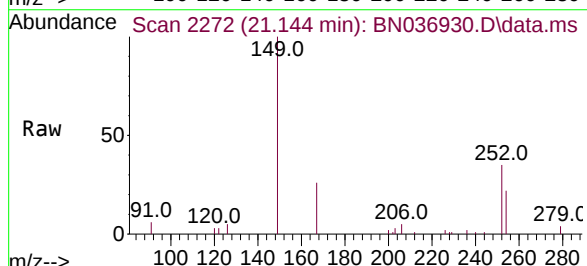
Tgt Ion:149 Resp: 4190

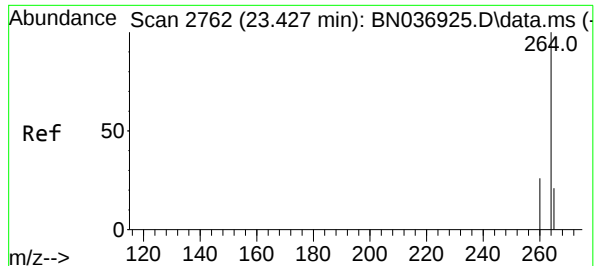
Ion Ratio Lower Upper

149 100

167 27.1 21.0 31.6

279 3.2 2.7 4.1





#35

Perylene-d12

Concen: 0.400 ng

RT: 23.427 min Scan# 21

Delta R.T. -0.000 min

Lab File: BN036930.D

Acq: 28 Apr 2025 15:51

Instrument :

BNA_N

ClientSampleId :

ICVBN042825

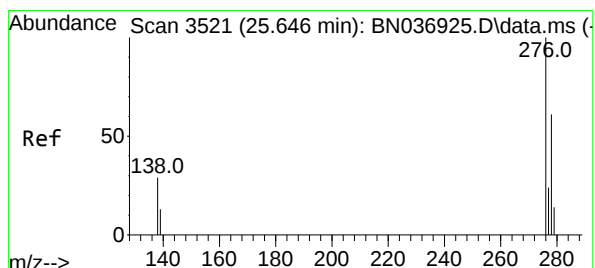
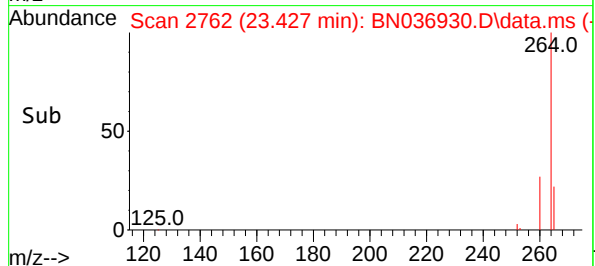
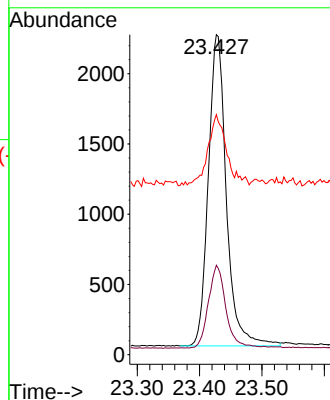
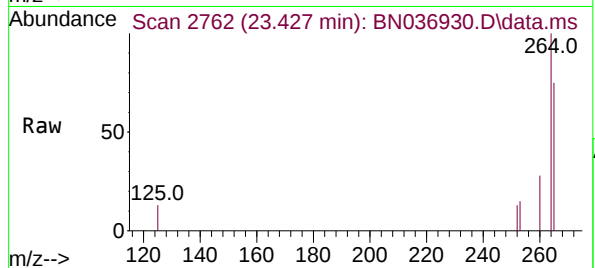
Tgt Ion:264 Resp: 4453

Ion Ratio Lower Upper

264 100

260 28.0 22.2 33.2

265 75.0 65.8 98.6



#36

Indeno(1,2,3-cd)pyrene

Concen: 0.364 ng

RT: 25.640 min Scan# 3519

Delta R.T. -0.006 min

Lab File: BN036930.D

Acq: 28 Apr 2025 15:51

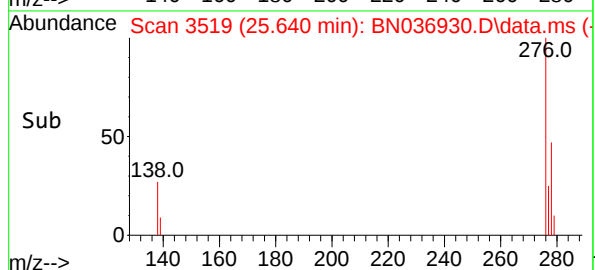
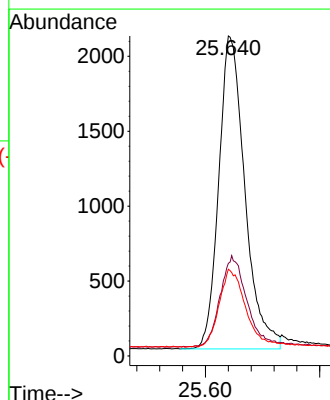
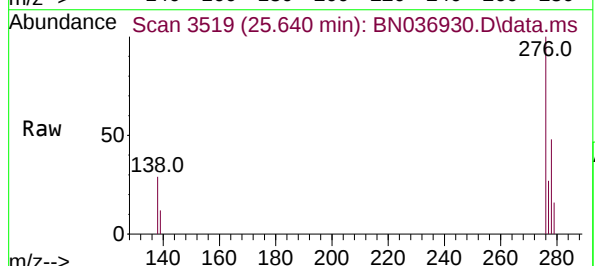
Tgt Ion:276 Resp: 6626

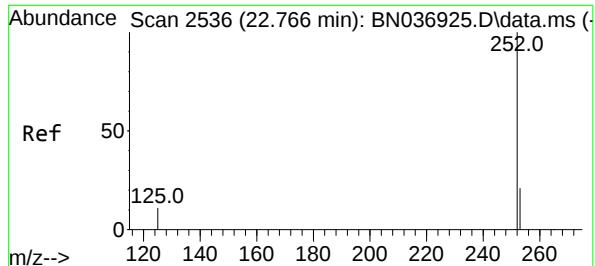
Ion Ratio Lower Upper

276 100

138 29.6 23.0 34.6

277 24.9 20.0 30.0





#37

Benzo(b)fluoranthene

Concen: 0.389 ng

RT: 22.763 min Scan# 2535

Delta R.T. -0.003 min

Lab File: BN036930.D

Acq: 28 Apr 2025 15:51

Instrument :

BNA_N

ClientSampleId :

ICVBN042825

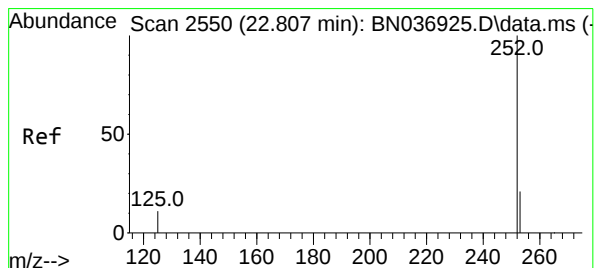
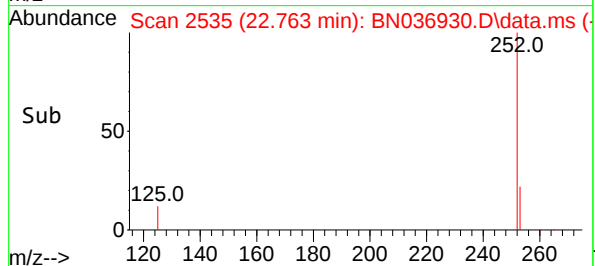
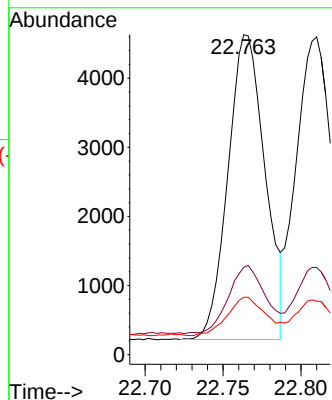
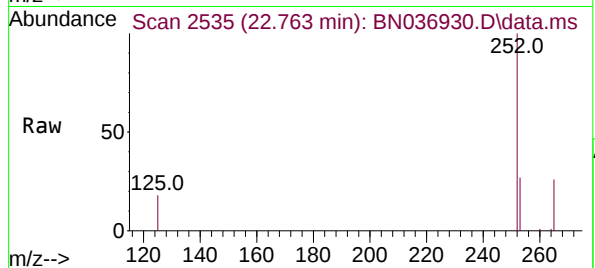
Tgt Ion:252 Resp: 7283

Ion Ratio Lower Upper

252 100

253 27.3 22.1 33.1

125 18.0 14.2 21.2



#38

Benzo(k)fluoranthene

Concen: 0.407 ng

RT: 22.810 min Scan# 2551

Delta R.T. 0.003 min

Lab File: BN036930.D

Acq: 28 Apr 2025 15:51

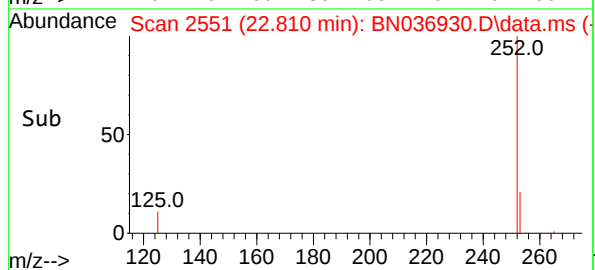
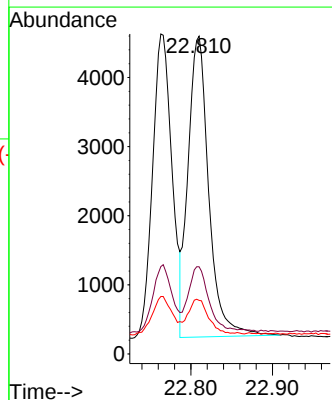
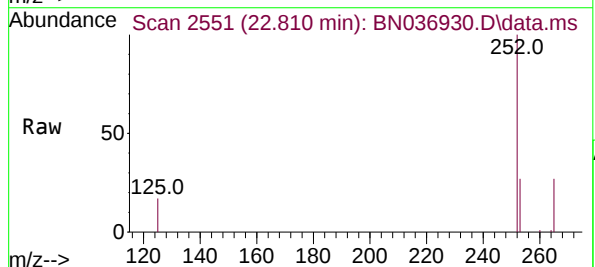
Tgt Ion:252 Resp: 7655

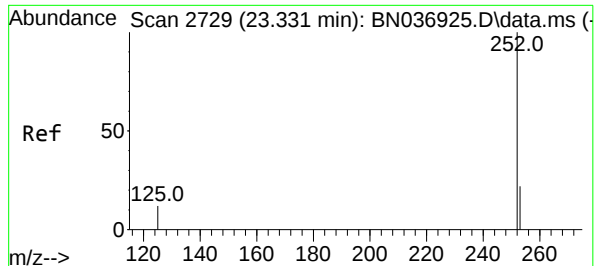
Ion Ratio Lower Upper

252 100

253 27.4 22.8 34.2

125 16.9 14.2 21.2





#39

Benzo(a)pyrene

Concen: 0.417 ng

RT: 23.330 min Scan# 21

Delta R.T. -0.000 min

Lab File: BN036930.D

Acq: 28 Apr 2025 15:51

Instrument :

BNA_N

ClientSampleId :

ICVBN042825

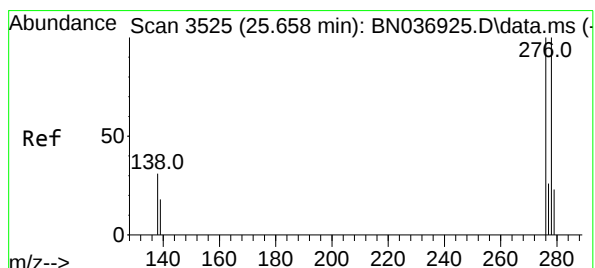
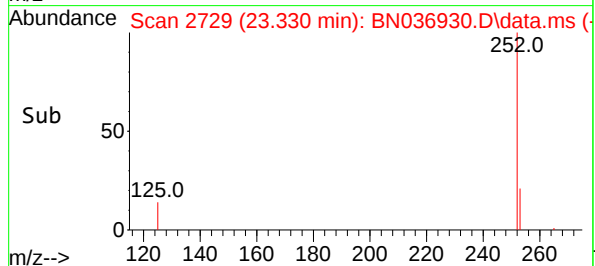
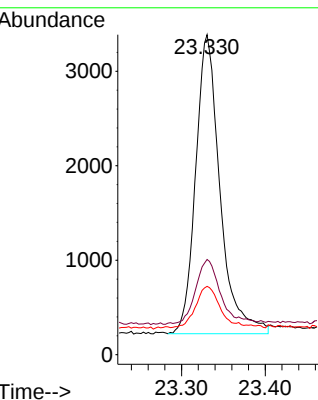
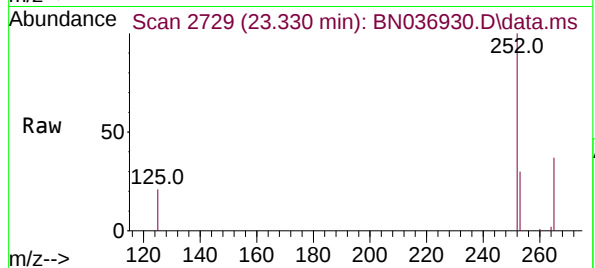
Tgt Ion:252 Resp: 6417

Ion Ratio Lower Upper

252 100

253 29.8 25.9 38.9

125 21.3 17.4 26.0



#40

Dibenzo(a,h)anthracene

Concen: 0.362 ng

RT: 25.663 min Scan# 3527

Delta R.T. 0.006 min

Lab File: BN036930.D

Acq: 28 Apr 2025 15:51

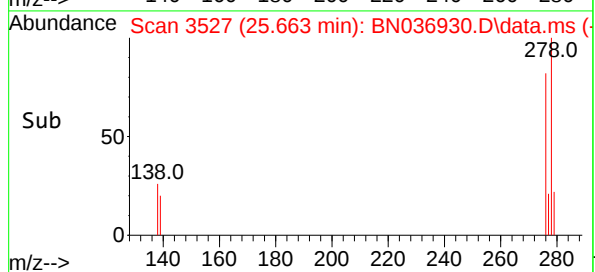
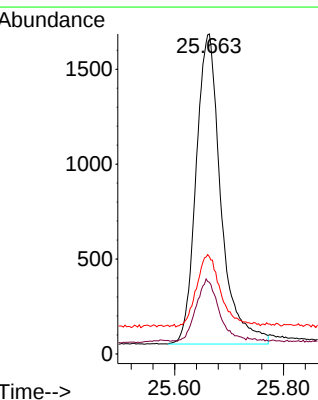
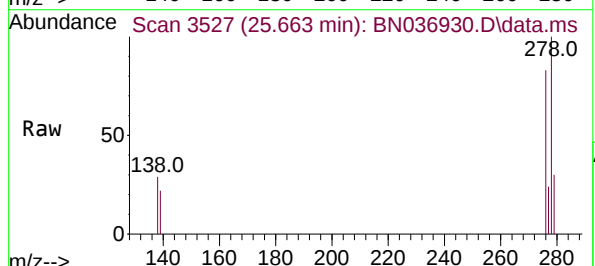
Tgt Ion:278 Resp: 5177

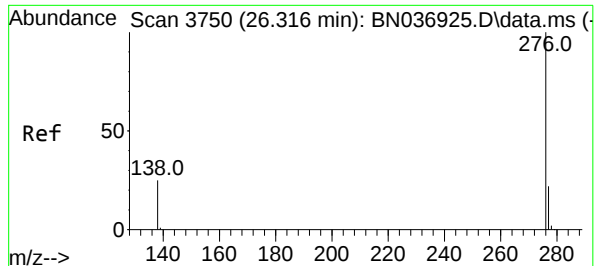
Ion Ratio Lower Upper

278 100

139 22.4 17.4 26.2

279 30.4 24.9 37.3





#41

Benzo(g,h,i)perylene

Concen: 0.359 ng

RT: 26.321 min Scan# 31

Delta R.T. 0.006 min

Lab File: BN036930.D

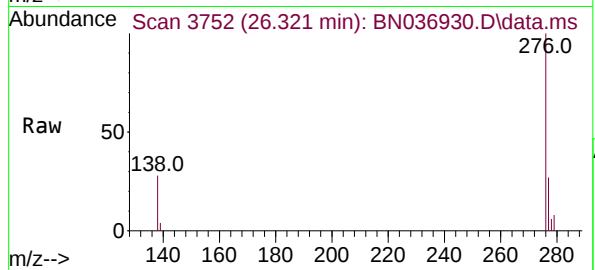
Acq: 28 Apr 2025 15:51

Instrument :

BNA_N

ClientSampleId :

ICVBN042825



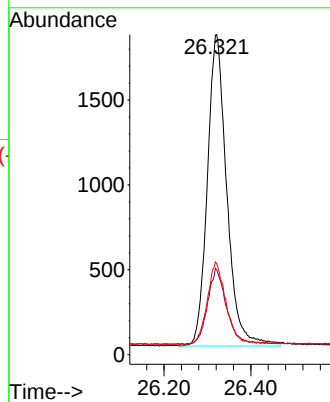
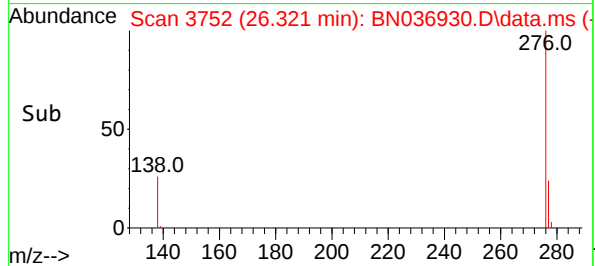
Tgt Ion:276 Resp: 5705

Ion Ratio Lower Upper

276 100

277 26.5 20.2 30.2

138 28.5 21.9 32.9



Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN042825\
 Data File : BN036930.D
 Acq On : 28 Apr 2025 15:51
 Operator : RC/JU
 Sample : SSTDICV0.4
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 ICVBN042825

Quant Time: Apr 28 18:00:30 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN042825.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Apr 28 15:35:03 2025
 Response via : Initial Calibration

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

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1 I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	101	0.00
2	1,4-Dioxane	0.498	0.543	-9.0	100	0.00
3	n-Nitrosodimethylamine	0.967	0.989	-2.3	99	0.00
4 S	2-Fluorophenol	1.023	0.913	10.8	83	0.00
5 S	Phenol-d6	1.259	1.095	13.0	83	0.00
6	bis(2-Chloroethyl)ether	1.167	1.229	-5.3	107	0.00
7 I	Naphthalene-d8	1.000	1.000	0.0	106	0.00
8 S	Nitrobenzene-d5	0.418	0.426	-1.9	110	0.00
9	Naphthalene	1.164	1.162	0.2	107	0.00
10	Hexachlorobutadiene	0.252	0.261	-3.6	109	0.00
11 SURR	2-Methylnaphthalene-d10	0.559	0.575	-2.9	113	0.00
12	2-Methylnaphthalene	0.753	0.690	8.4	102	0.00
13 I	Acenaphthene-d10	1.000	1.000	0.0	118	0.00
14 S	2,4,6-Tribromophenol	0.178	0.146	18.0	97	0.00
15 S	2-Fluorobiphenyl	1.933	1.889	2.3	108	0.00
16	Acenaphthylene	1.955	2.010	-2.8	124	0.00
17	Acenaphthene	1.284	1.226	4.5	113	0.00
18	Fluorene	1.680	1.639	2.4	119	0.00
19 I	Phenanthrene-d10	1.000	1.000	0.0	125	0.00
20	4,6-Dinitro-2-methylphenol	0.106	0.085	19.8	119	0.00
21	4-Bromophenyl-phenylether	0.267	0.251	6.0	120	0.00
22	Hexachlorobenzene	0.293	0.283	3.4	118	0.00
23	Atrazine	0.215	0.217	-0.9	136	0.00
24	Pentachlorophenol	0.157	0.124	21.0	107	0.00
25	Phenanthrene	1.320	1.286	2.6	124	0.00
26	Anthracene	1.194	1.172	1.8	128	0.00
27 SURR	Fluoranthene-d10	1.037	1.027	1.0	130	0.00
28	Fluoranthene	1.480	1.407	4.9	126	0.00
29 I	Chrysene-d12	1.000	1.000	0.0	135	0.00
30	Pyrene	1.927	1.812	6.0	125	0.00
31 S	Terphenyl-d14	0.944	0.961	-1.8	137	0.00
32	Benzo(a)anthracene	1.473	1.457	1.1	138	0.00
33	Chrysene	1.589	1.609	-1.3	133	0.00
34	Bis(2-ethylhexyl)phthalate	0.838	0.753	10.1	122	0.00
35 I	Perylene-d12	1.000	1.000	0.0	123	0.00
36	Indeno(1,2,3-cd)pyrene	1.634	1.488	8.9	107	0.00
37	Benzo(b)fluoranthene	1.682	1.636	2.7	123	0.00
38	Benzo(k)fluoranthene	1.691	1.719	-1.7	128	0.00
39 C	Benzo(a)pyrene	1.383	1.441	-4.2	130	0.00
40	Dibenzo(a,h)anthracene	1.286	1.163	9.6	106	0.00
41	Benzo(g,h,i)perylene	1.427	1.281	10.2	104	0.00

(#) = Out of Range

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

Instrument :

BNA_N

ClientSampleId :

ICVBN042825

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN042825\
 Data File : BN036930.D
 Acq On : 28 Apr 2025 15:51
 Operator : RC/JU
 Sample : SSTDICV0.4
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 ICVBN042825

Quant Time: Apr 28 18:00:30 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN042825.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Apr 28 15:35:03 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	101	0.00
2	1,4-Dioxane	0.400	0.435	-8.7	100	0.00
3	n-Nitrosodimethylamine	0.400	0.409	-2.2	99	0.00
4 S	2-Fluorophenol	0.400	0.357	10.8	83	0.00
5 S	Phenol-d6	0.400	0.348	13.0	83	0.00
6	bis(2-Chloroethyl)ether	0.400	0.421	-5.2	107	0.00
7 I	Naphthalene-d8	0.400	0.400	0.0	106	0.00
8 S	Nitrobenzene-d5	0.400	0.408	-2.0	110	0.00
9	Naphthalene	0.400	0.399	0.3	107	0.00
10	Hexachlorobutadiene	0.400	0.414	-3.5	109	0.00
11 SURR	2-Methylnaphthalene-d10	0.400	0.411	-2.7	113	0.00
12	2-Methylnaphthalene	0.400	0.367	8.3	102	0.00
13 I	Acenaphthene-d10	0.400	0.400	0.0	118	0.00
14 S	2,4,6-Tribromophenol	0.400	0.327	18.3	97	0.00
15 S	2-Fluorobiphenyl	0.400	0.391	2.3	108	0.00
16	Acenaphthylene	0.400	0.411	-2.7	124	0.00
17	Acenaphthene	0.400	0.382	4.5	113	0.00
18	Fluorene	0.400	0.390	2.5	119	0.00
19 I	Phenanthrene-d10	0.400	0.400	0.0	125	0.00
20	4,6-Dinitro-2-methylphenol	0.400	0.323	19.3	119	0.00
21	4-Bromophenyl-phenylether	0.400	0.376	6.0	120	0.00
22	Hexachlorobenzene	0.400	0.387	3.3	118	0.00
23	Atrazine	0.400	0.403	-0.8	136	0.00
24	Pentachlorophenol	0.400	0.315	21.3	107	0.00
25	Phenanthrene	0.400	0.390	2.5	124	0.00
26	Anthracene	0.400	0.393	1.8	128	0.00
27 SURR	Fluoranthene-d10	0.400	0.396	1.0	130	0.00
28	Fluoranthene	0.400	0.380	5.0	126	0.00
29 I	Chrysene-d12	0.400	0.400	0.0	135	0.00
30	Pyrene	0.400	0.376	6.0	125	0.00
31 S	Terphenyl-d14	0.400	0.407	-1.7	137	0.00
32	Benzo(a)anthracene	0.400	0.396	1.0	138	0.00
33	Chrysene	0.400	0.405	-1.3	133	0.00
34	Bis(2-ethylhexyl)phthalate	0.400	0.360	10.0	122	0.00
35 I	Perylene-d12	0.400	0.400	0.0	123	0.00
36	Indeno(1,2,3-cd)pyrene	0.400	0.364	9.0	107	0.00
37	Benzo(b)fluoranthene	0.400	0.389	2.8	123	0.00
38	Benzo(k)fluoranthene	0.400	0.407	-1.7	128	0.00
39 C	Benzo(a)pyrene	0.400	0.417	-4.2	130	0.00
40	Dibenzo(a,h)anthracene	0.400	0.362	9.5	106	0.00
41	Benzo(g,h,i)perylene	0.400	0.359	10.3	104	0.00

(#) = Out of Range

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

Instrument :

BNA_N

ClientSampleId :

ICVBN042825



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.: Q1939 SAS No.: Q1939 SDG No.: Q1939

Instrument ID: BNA_N Calibration Date/Time: 05/08/2025 14:28

Lab File ID: BN036972.D Init. Calib. Date(s): 04/28/2025 04/28/2025

EPA Sample No.: SSTDCCC0.4 Init. Calib. Time(s): 11:35 15:12

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

COMPOUND	RRF	RRF0.4	MIN RRF	%D	MAX%D
2-Methylnaphthalene-d10	0.559	0.538		-3.8	20.0
Fluoranthene-d10	1.037	1.049		1.2	20.0
2-Fluorophenol	1.023	1.032		0.9	20.0
Phenol-d6	1.259	1.275		1.3	20.0
Nitrobenzene-d5	0.418	0.416		-0.5	20.0
2-Fluorobiphenyl	1.933	1.961		1.4	20.0
2,4,6-Tribromophenol	0.178	0.170		-4.5	20.0
Terphenyl-d14	0.944	0.862		-8.7	20.0
1,4-Dioxane	0.498	0.509		2.2	20.0

All other compounds must meet a minimum RRF of 0.010.

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN050825\
 Data File : BN036972.D
 Acq On : 08 May 2025 14:28
 Operator : RC/JU
 Sample : SSTDCCC0.4
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 SSTDCCC0.4

Quant Time: May 08 15:00:34 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN042825.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Apr 28 15:35:03 2025
 Response via : Initial Calibration

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

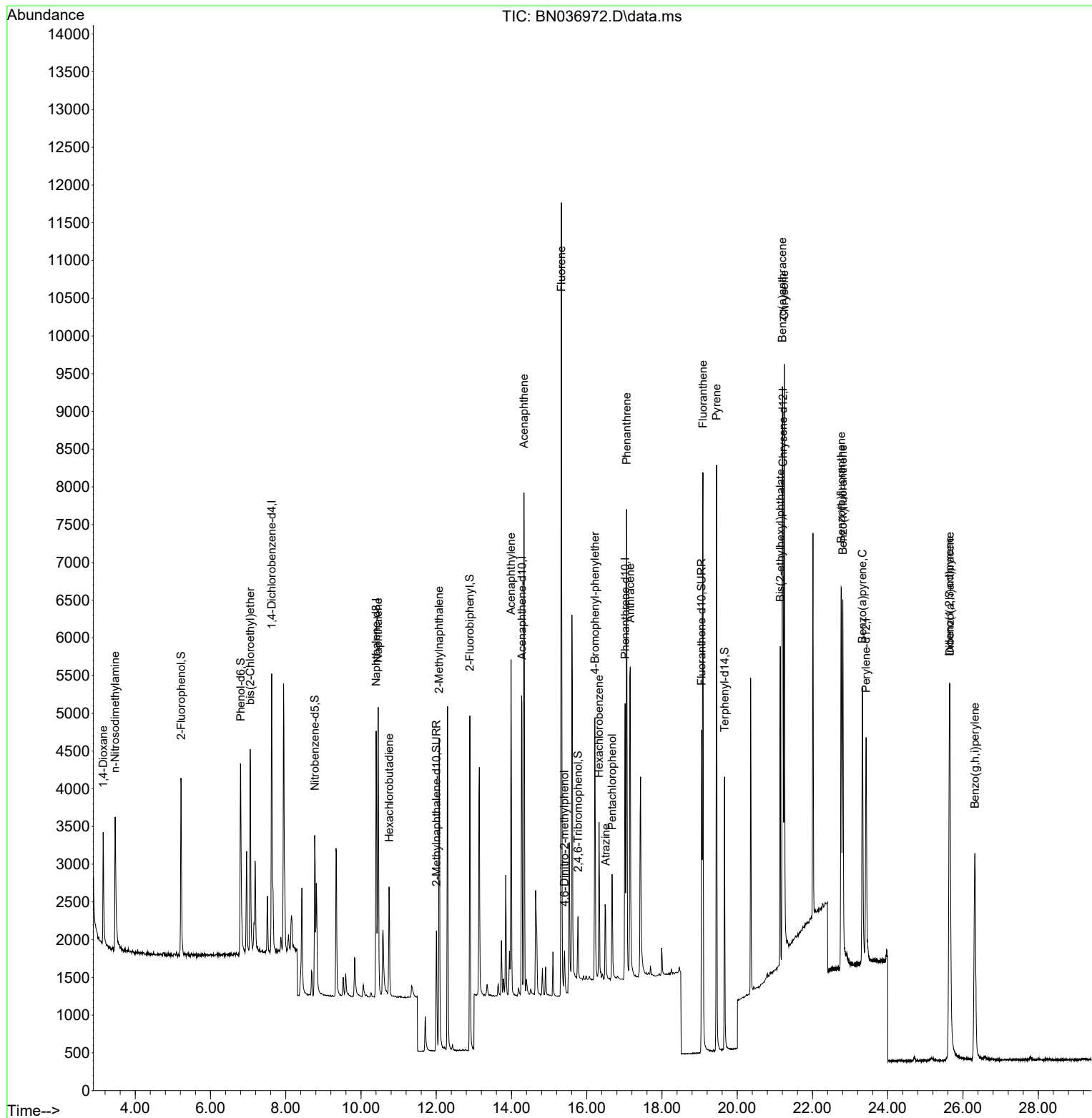
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.626	152	1755	0.400	ng	0.00
7) Naphthalene-d8	10.404	136	4397	0.400	ng	#-0.01
13) Acenaphthene-d10	14.277	164	2406	0.400	ng	0.00
19) Phenanthrene-d10	17.021	188	4760	0.400	ng	# 0.00
29) Chrysene-d12	21.215	240	4148	0.400	ng	# 0.00
35) Perylene-d12	23.424	264	3956	0.400	ng	# 0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.221	112	1811	0.403	ng	0.00
5) Phenol-d6	6.802	99	2238	0.405	ng	0.00
8) Nitrobenzene-d5	8.771	82	1831	0.398	ng	-0.01
11) 2-Methylnaphthalene-d10	12.006	152	2365	0.385	ng	0.00
14) 2,4,6-Tribromophenol	15.767	330	409	0.381	ng	0.00
15) 2-Fluorobiphenyl	12.894	172	4719	0.406	ng	0.00
27) Fluoranthene-d10	19.054	212	4991	0.404	ng	0.00
31) Terphenyl-d14	19.663	244	3576	0.365	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.148	88	894	0.409	ng	90
3) n-Nitrosodimethylamine	3.466	42	1815	0.428	ng	# 94
6) bis(2-Chloroethyl)ether	7.055	93	1955	0.382	ng	98
9) Naphthalene	10.458	128	5069	0.396	ng	99
10) Hexachlorobutadiene	10.746	225	1085	0.392	ng	# 98
12) 2-Methylnaphthalene	12.077	142	3196	0.386	ng	98
16) Acenaphthylene	13.989	152	4531	0.385	ng	100
17) Acenaphthene	14.331	154	3025	0.392	ng	100
18) Fluorene	15.325	166	3969	0.393	ng	99
20) 4,6-Dinitro-2-methylph...	15.411	198	466	0.370	ng	# 78
21) 4-Bromophenyl-phenylether	16.214	248	1207	0.380	ng	# 64
22) Hexachlorobenzene	16.326	284	1332	0.383	ng	96
23) Atrazine	16.500	200	1005	0.392	ng	97
24) Pentachlorophenol	16.674	266	700	0.375	ng	97
25) Phenanthrene	17.058	178	6135	0.390	ng	100
26) Anthracene	17.158	178	5413	0.381	ng	100
28) Fluoranthene	19.087	202	7099	0.403	ng	99
30) Pyrene	19.449	202	7087	0.355	ng	99
32) Benzo(a)anthracene	21.198	228	5923	0.388	ng	98
33) Chrysene	21.251	228	6833	0.415	ng	99
34) Bis(2-ethylhexyl)phtha...	21.144	149	3730	0.429	ng	99
36) Indeno(1,2,3-cd)pyrene	25.637	276	6491	0.402	ng	98
37) Benzo(b)fluoranthene	22.760	252	6386	0.384	ng	99
38) Benzo(k)fluoranthene	22.804	252	6411	0.383	ng	97
39) Benzo(a)pyrene	23.328	252	5394	0.394	ng	97
40) Dibenzo(a,h)anthracene	25.652	278	4894	0.385	ng	99
41) Benzo(g,h,i)perylene	26.316	276	5674	0.402	ng	99

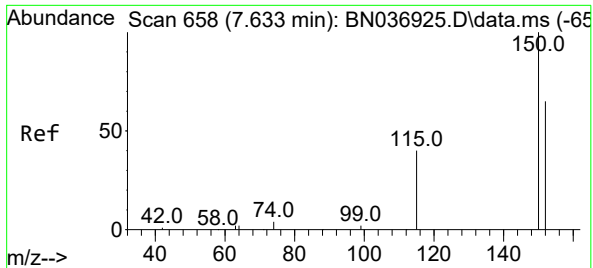
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN050825\
 Data File : BN036972.D
 Acq On : 08 May 2025 14:28
 Operator : RC/JU
 Sample : SSTDCCC0.4
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 SSTDCCC0.4

Quant Time: May 08 15:00:34 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN042825.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Apr 28 15:35:03 2025
 Response via : Initial Calibration

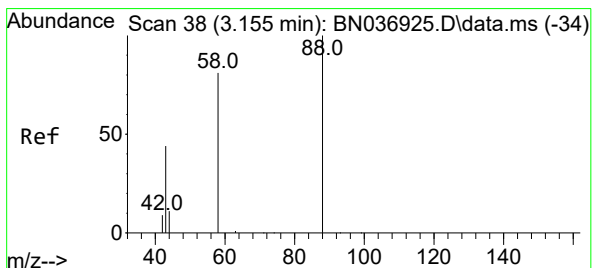
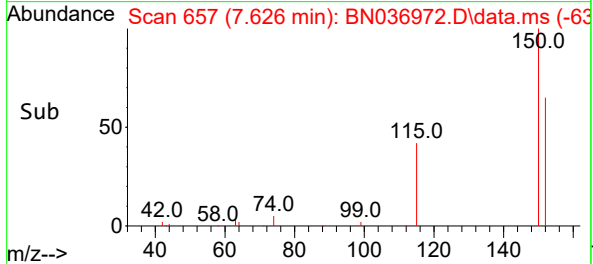
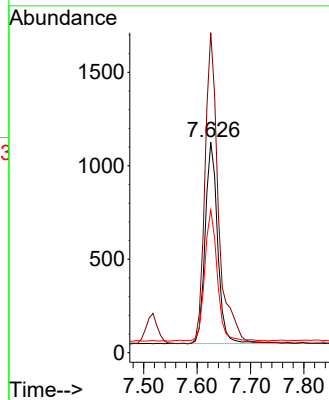
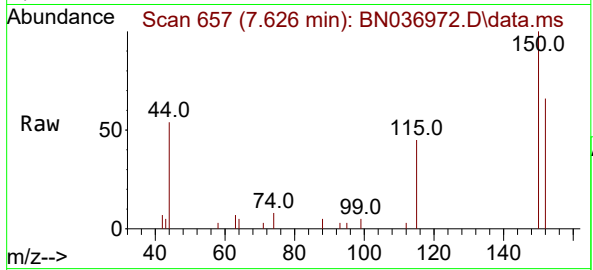




#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.626 min Scan# 61
Delta R.T. -0.007 min
Lab File: BN036972.D
Acq: 08 May 2025 14:28

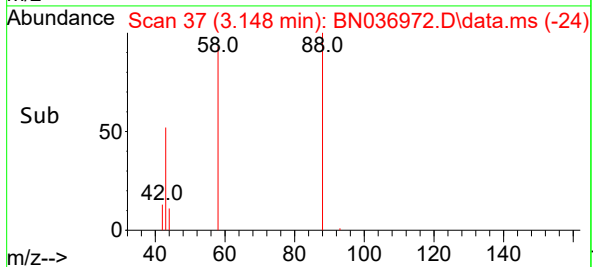
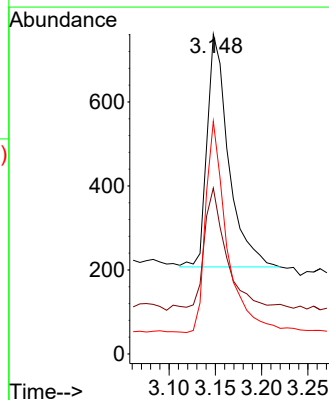
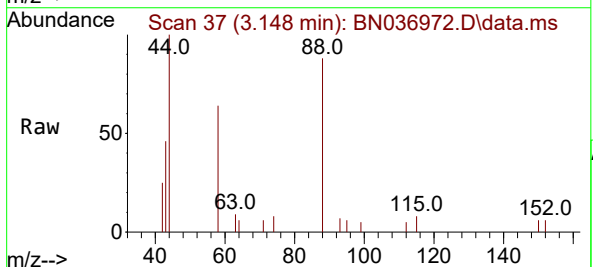
Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:152 Resp: 1755
Ion Ratio Lower Upper
152 100
150 151.9 121.1 181.7
115 67.8 51.8 77.6

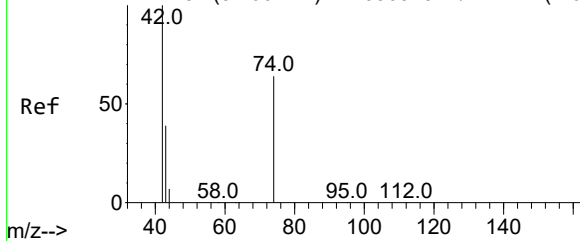


#2
1,4-Dioxane
Concen: 0.409 ng
RT: 3.148 min Scan# 37
Delta R.T. -0.007 min
Lab File: BN036972.D
Acq: 08 May 2025 14:28

Tgt Ion: 88 Resp: 894
Ion Ratio Lower Upper
88 100
43 56.4 37.9 56.9
58 89.9 65.8 98.6



Abundance Scan 81 (3.466 min): BN036925.D\data.ms (-76)



#3

n-Nitrosodimethylamine

Concen: 0.428 ng

RT: 3.466 min Scan# 81

Delta R.T. -0.000 min

Lab File: BN036972.D

Acq: 08 May 2025 14:28

Instrument :

BNA_N

ClientSampleId :

SSTDCCC0.4

Tgt Ion: 42 Resp: 1815

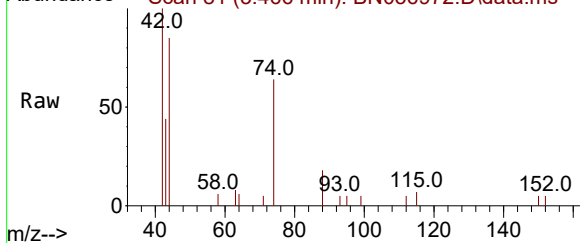
Ion Ratio Lower Upper

42 100

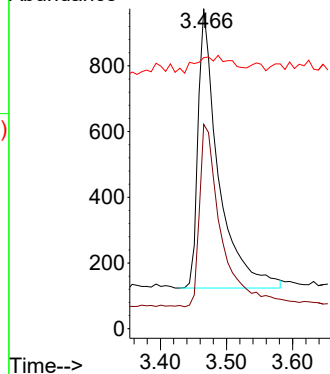
74 70.0 59.9 89.9

44 5.5 7.5 11.3#

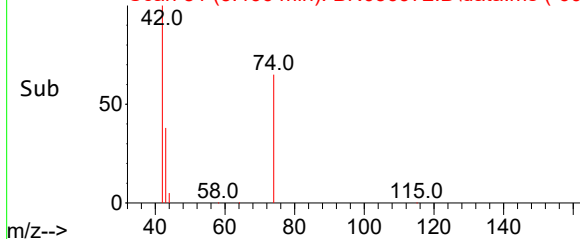
Abundance Scan 81 (3.466 min): BN036972.D\data.ms



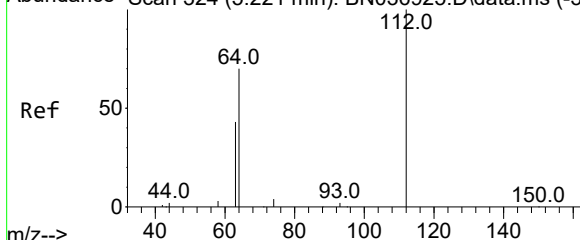
Abundance



Abundance Scan 81 (3.466 min): BN036972.D\data.ms (-60)



Abundance Scan 324 (5.221 min): BN036925.D\data.ms (-31)



#4

2-Fluorophenol

Concen: 0.403 ng

RT: 5.221 min Scan# 324

Delta R.T. -0.000 min

Lab File: BN036972.D

Acq: 08 May 2025 14:28

Tgt Ion: 112 Resp: 1811

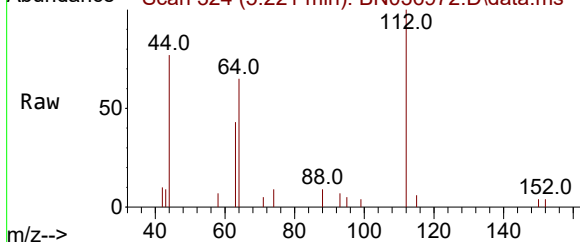
Ion Ratio Lower Upper

112 100

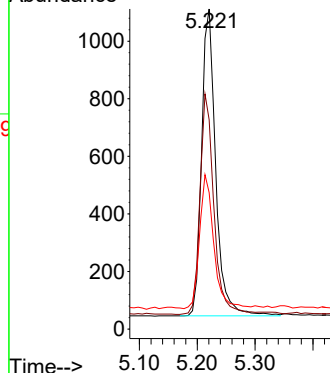
64 70.8 55.7 83.5

63 44.0 33.9 50.9

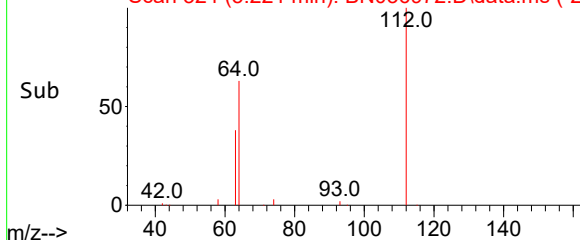
Abundance Scan 324 (5.221 min): BN036972.D\data.ms

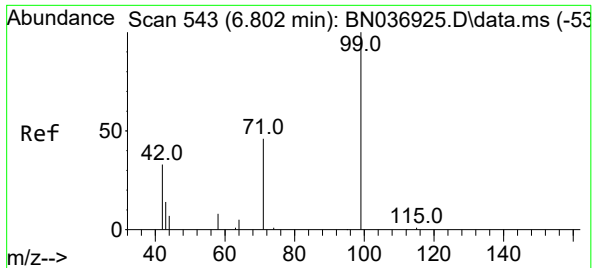


Abundance



Abundance Scan 324 (5.221 min): BN036972.D\data.ms (-29)

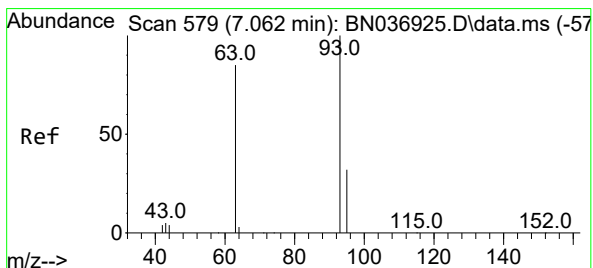
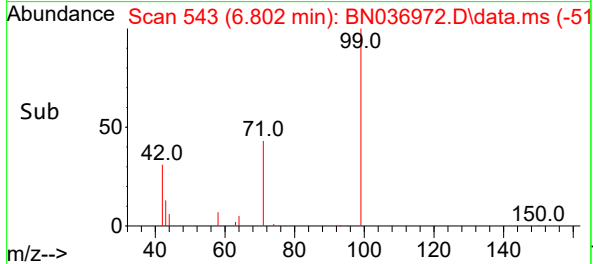
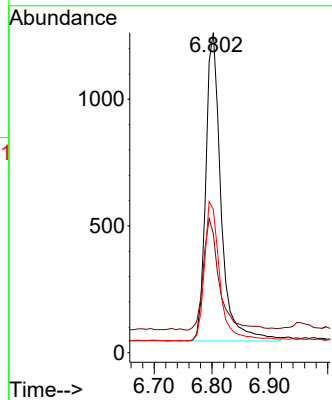
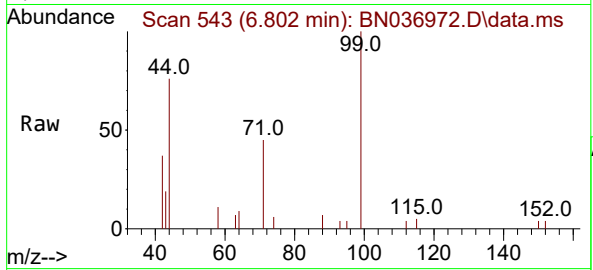




#5
Phenol-d6
Concen: 0.405 ng
RT: 6.802 min Scan# 543
Delta R.T. -0.000 min
Lab File: BN036972.D
Acq: 08 May 2025 14:28

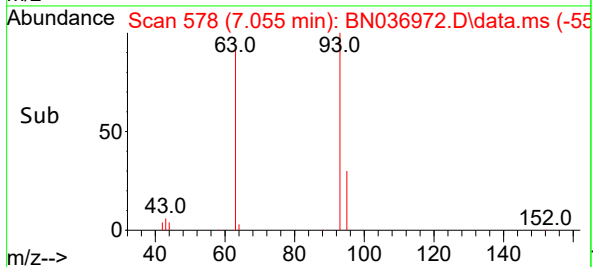
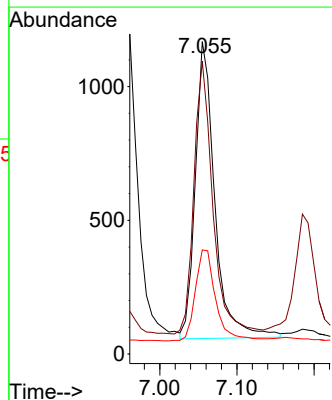
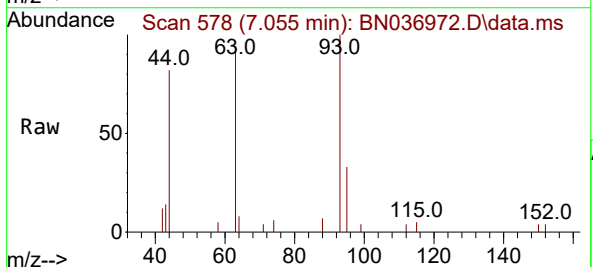
Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

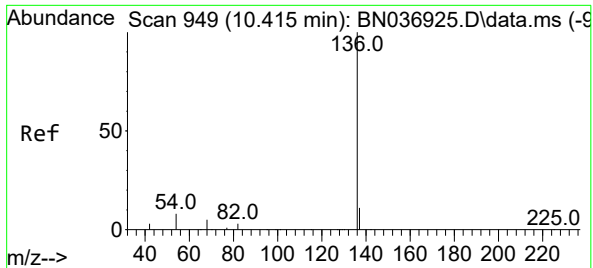
Tgt Ion: 99 Resp: 2238
Ion Ratio Lower Upper
99 100
42 38.1 29.6 44.4
71 46.5 36.0 54.0



#6
bis(2-Chloroethyl)ether
Concen: 0.382 ng
RT: 7.055 min Scan# 578
Delta R.T. -0.007 min
Lab File: BN036972.D
Acq: 08 May 2025 14:28

Tgt Ion: 93 Resp: 1955
Ion Ratio Lower Upper
93 100
63 88.4 69.0 103.6
95 32.1 25.4 38.0

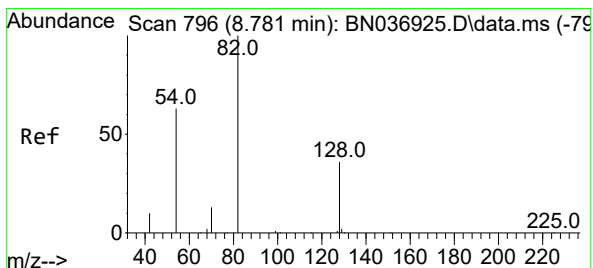
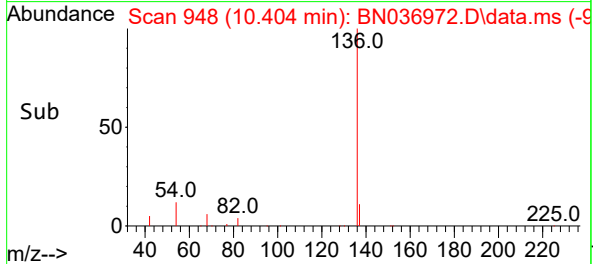
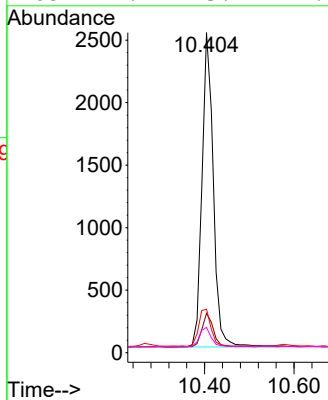
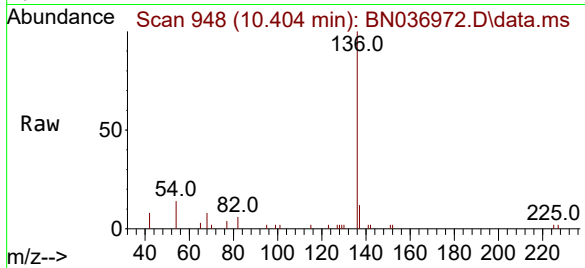




#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.404 min Scan# 949
Delta R.T. -0.011 min
Lab File: BN036972.D
Acq: 08 May 2025 14:28

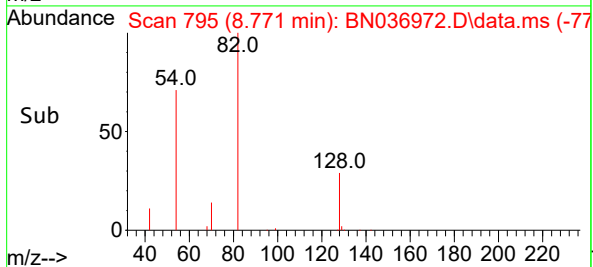
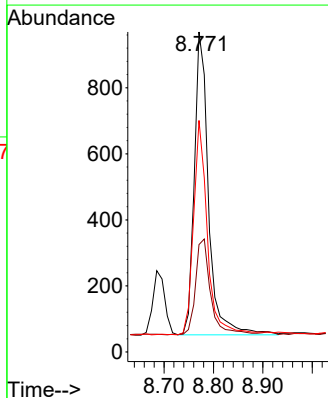
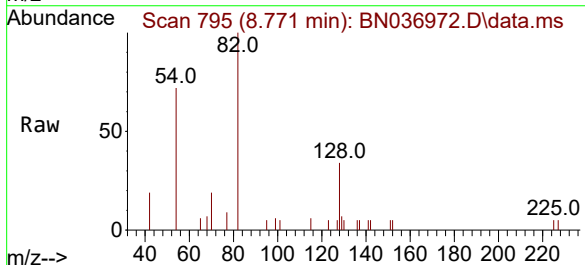
Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

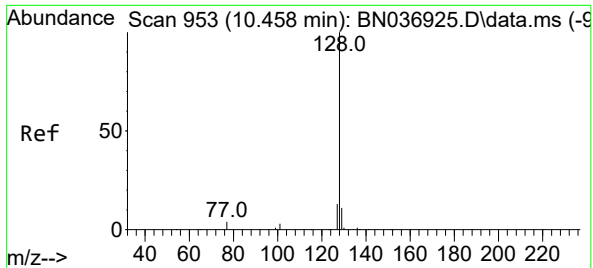
Tgt Ion:136 Resp: 4397
Ion Ratio Lower Upper
136 100
137 12.3 9.7 14.5
54 13.6 8.0 12.0#
68 7.9 5.1 7.7#



#8
Nitrobenzene-d5
Concen: 0.398 ng
RT: 8.771 min Scan# 795
Delta R.T. -0.011 min
Lab File: BN036972.D
Acq: 08 May 2025 14:28

Tgt Ion: 82 Resp: 1831
Ion Ratio Lower Upper
82 100
128 33.5 30.7 46.1
54 72.3 52.1 78.1

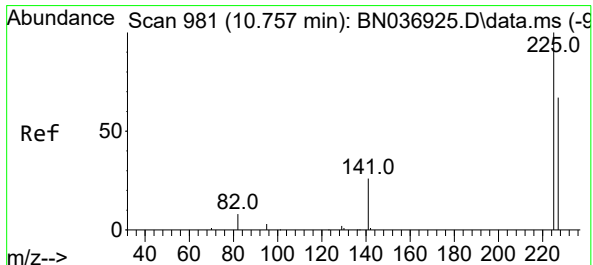
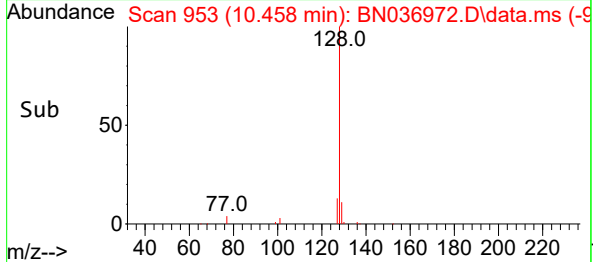
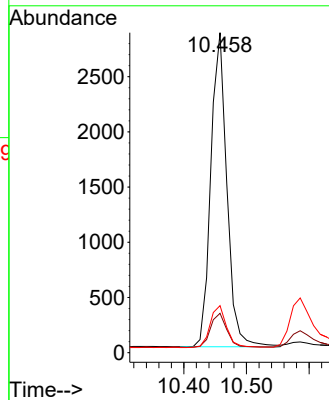
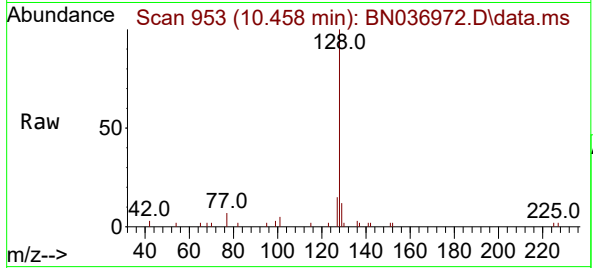




#9
Naphthalene
Concen: 0.396 ng
RT: 10.458 min Scan# 91
Delta R.T. -0.000 min
Lab File: BN036972.D
Acq: 08 May 2025 14:28

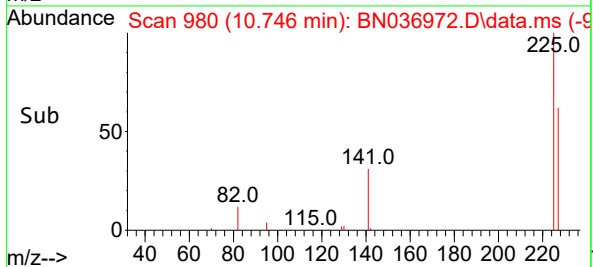
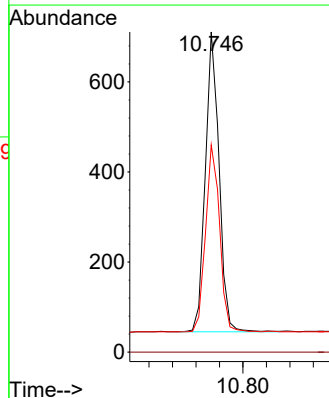
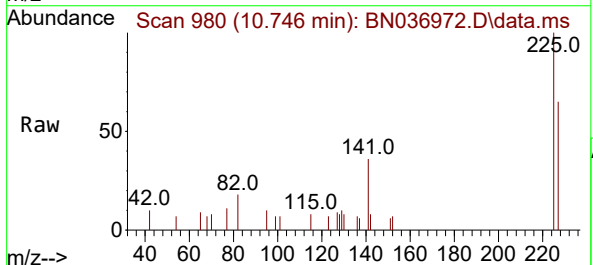
Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

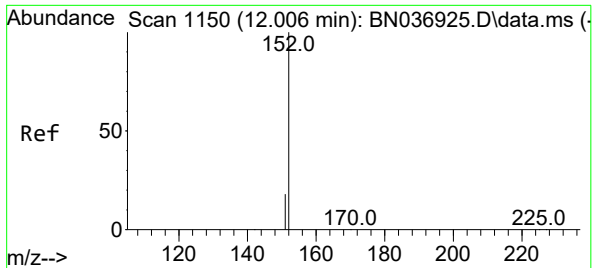
Tgt Ion:	128	Resp:	5069
Ion	Ratio	Lower	Upper
128	100		
129	12.3	9.8	14.6
127	14.7	11.4	17.2



#10
Hexachlorobutadiene
Concen: 0.392 ng
RT: 10.746 min Scan# 980
Delta R.T. -0.011 min
Lab File: BN036972.D
Acq: 08 May 2025 14:28

Tgt Ion:	225	Resp:	1085
Ion	Ratio	Lower	Upper
225	100		
223	0.0	0.0	0.0
227	63.7	52.2	78.4

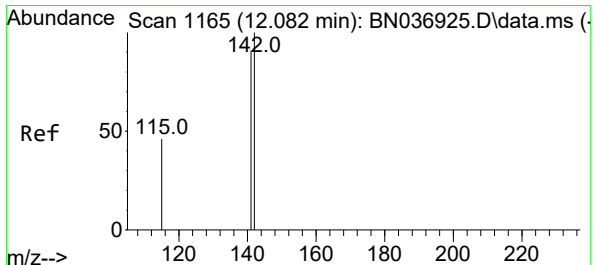
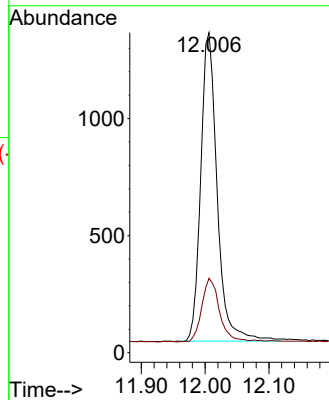
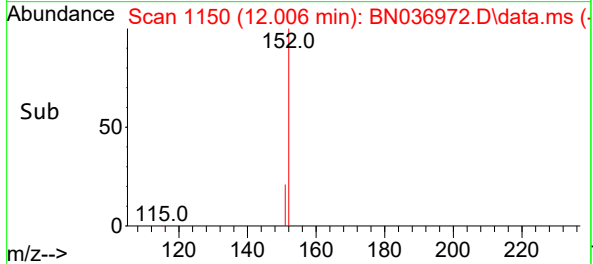
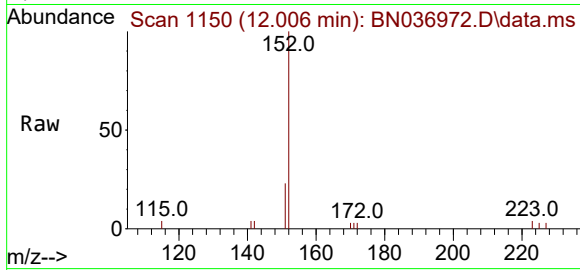




#11
2-Methylnaphthalene-d10
Concen: 0.385 ng
RT: 12.006 min Scan# 1150
Delta R.T. -0.000 min
Lab File: BN036972.D
Acq: 08 May 2025 14:28

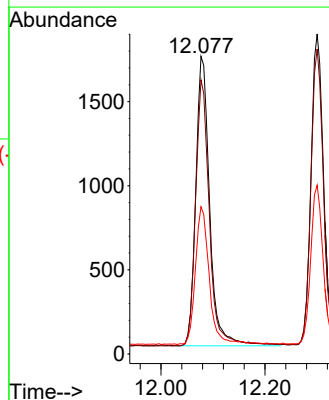
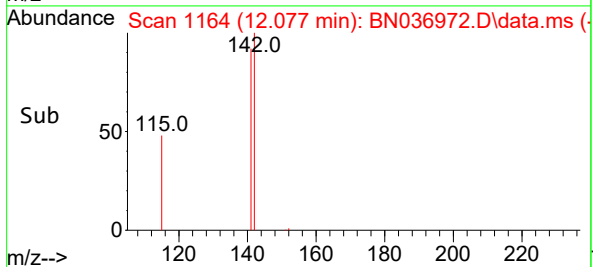
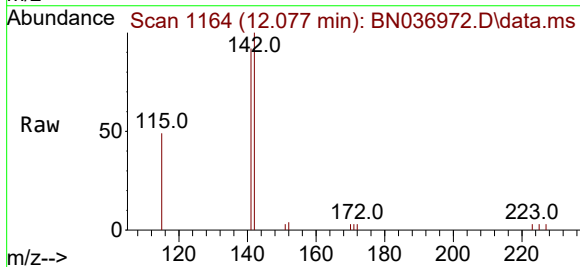
Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

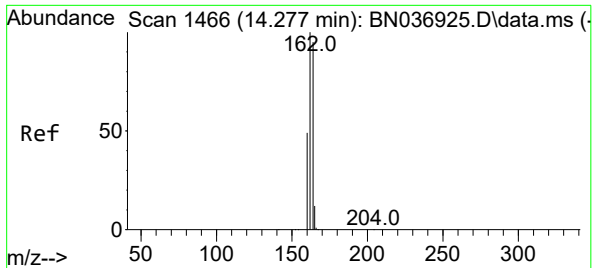
Tgt Ion:152 Resp: 2365
Ion Ratio Lower Upper
152 100
151 22.2 16.9 25.3



#12
2-Methylnaphthalene
Concen: 0.386 ng
RT: 12.077 min Scan# 1164
Delta R.T. -0.005 min
Lab File: BN036972.D
Acq: 08 May 2025 14:28

Tgt Ion:142 Resp: 3196
Ion Ratio Lower Upper
142 100
141 92.1 72.8 109.2
115 49.5 38.2 57.4

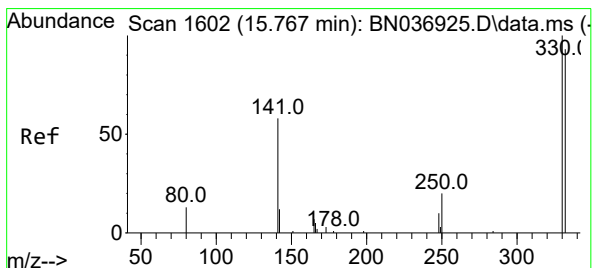
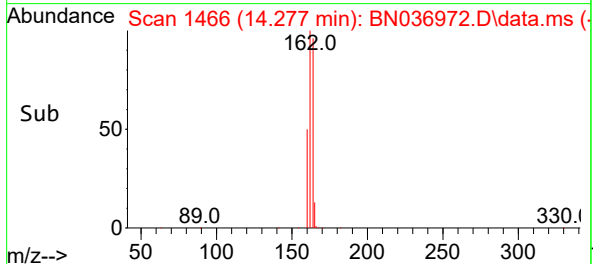
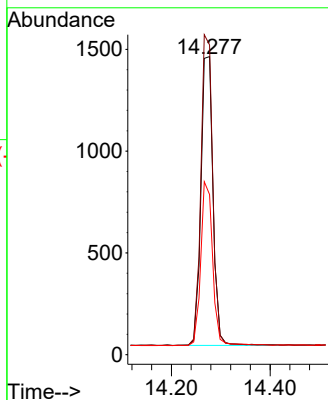
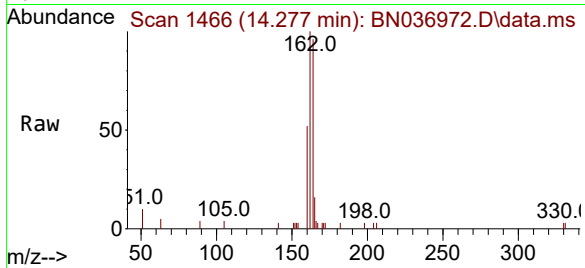




#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.277 min Scan# 1466
Delta R.T. -0.000 min
Lab File: BN036972.D
Acq: 08 May 2025 14:28

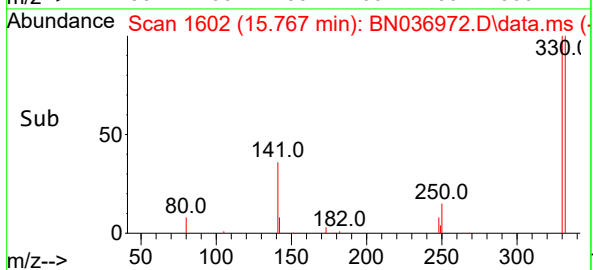
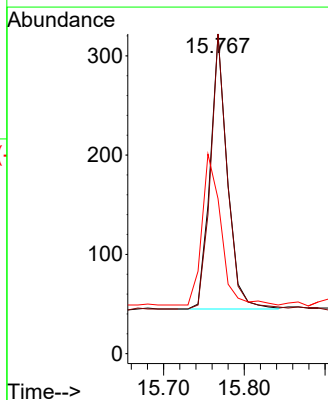
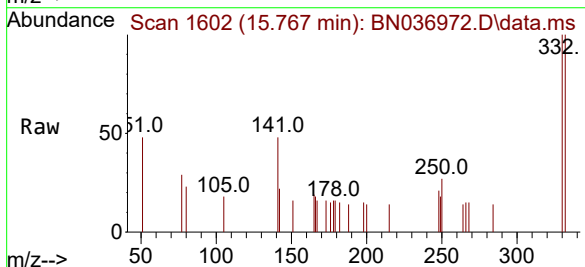
Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

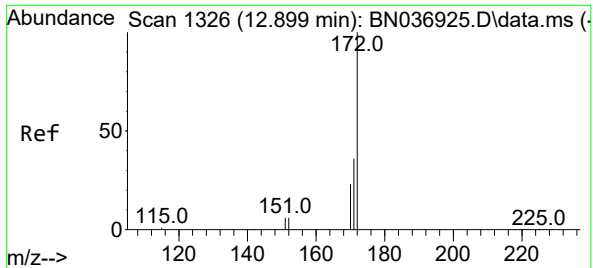
Tgt Ion	164	162	160
Resp:	2406		
Ion Ratio	100	104.0	53.8
Lower		83.8	42.0
Upper		125.8	63.0



#14
2,4,6-Tribromophenol
Concen: 0.381 ng
RT: 15.767 min Scan# 1602
Delta R.T. -0.000 min
Lab File: BN036972.D
Acq: 08 May 2025 14:28

Tgt Ion	330	332	141
Resp:	409		
Ion Ratio	100	98.8	60.1
Lower		76.3	45.4
Upper		114.5	68.2

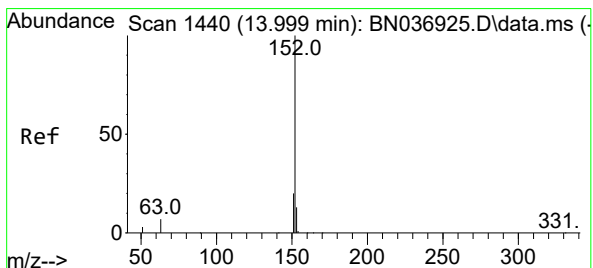
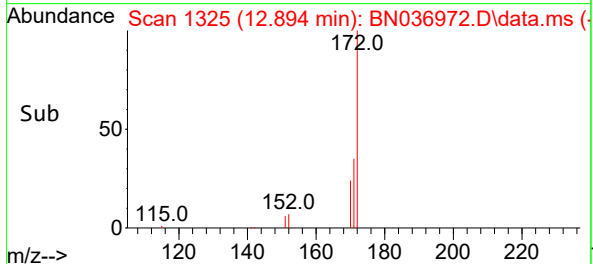
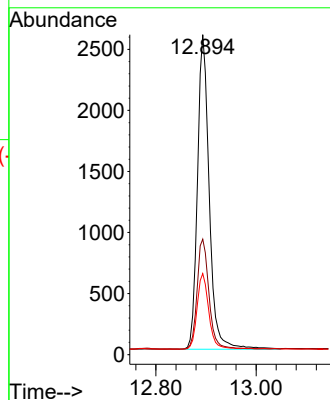
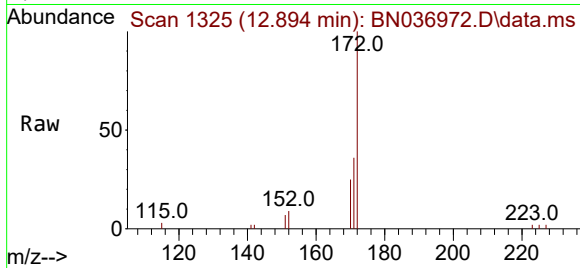




#15
2-Fluorobiphenyl
Concen: 0.406 ng
RT: 12.894 min Scan# 1439
Delta R.T. -0.005 min
Lab File: BN036972.D
Acq: 08 May 2025 14:28

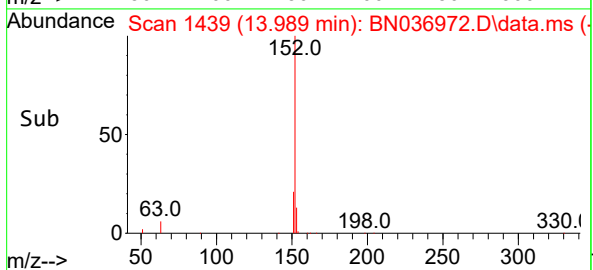
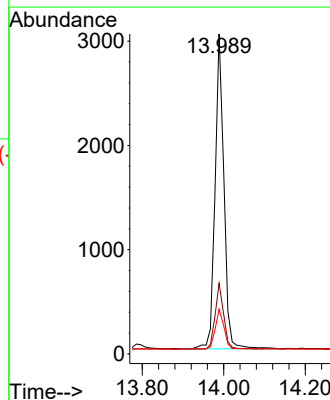
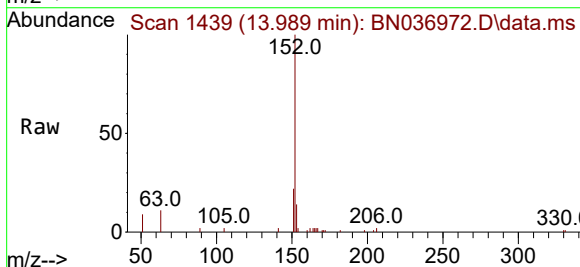
Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

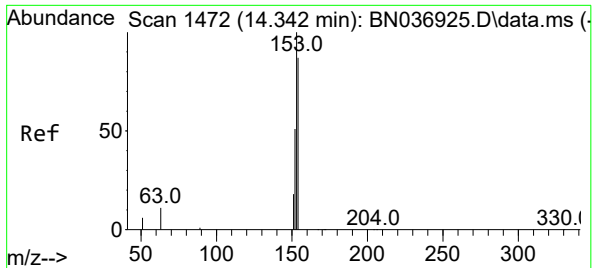
Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.1	29.4	44.0
170	25.3	19.4	29.0



#16
Acenaphthylene
Concen: 0.385 ng
RT: 13.989 min Scan# 1439
Delta R.T. -0.011 min
Lab File: BN036972.D
Acq: 08 May 2025 14:28

Tgt Ion	Ratio	Lower	Upper
152	100		
151	20.2	16.0	24.0
153	12.8	10.2	15.2

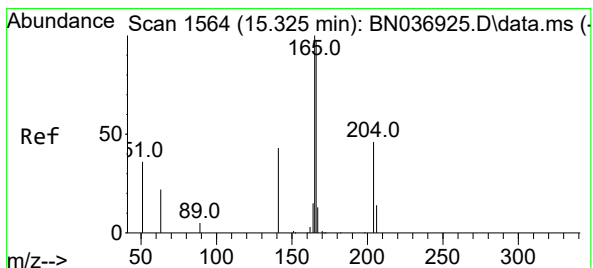
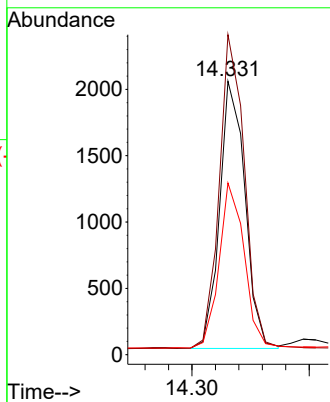
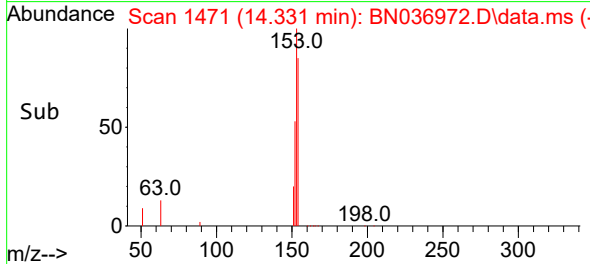
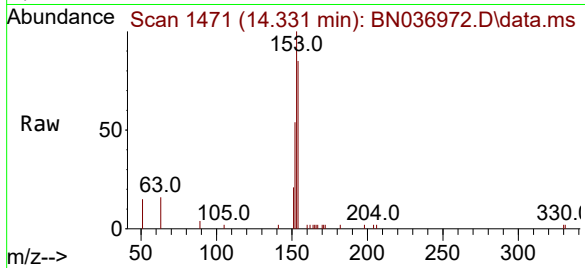




#17
Acenaphthene
Concen: 0.392 ng
RT: 14.331 min Scan# 1471
Delta R.T. -0.011 min
Lab File: BN036972.D
Acq: 08 May 2025 14:28

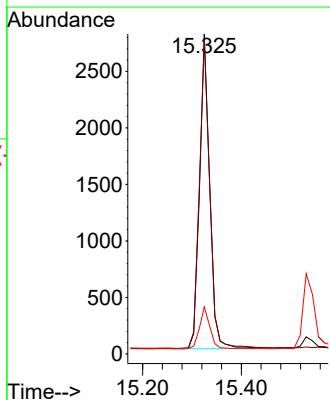
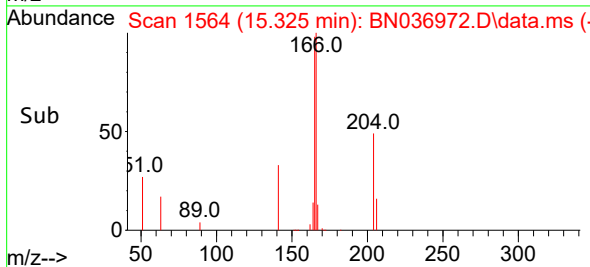
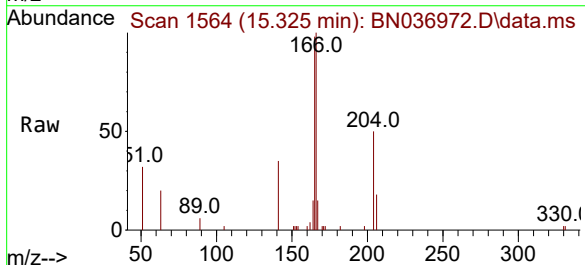
Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

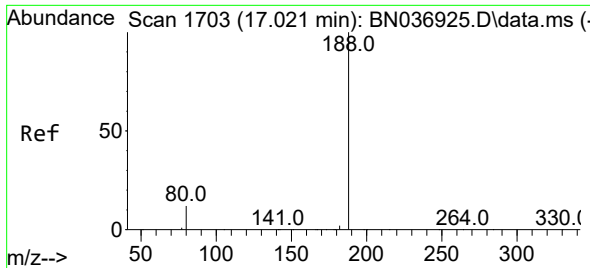
Tgt Ion:154 Resp: 3025
Ion Ratio Lower Upper
154 100
153 117.0 93.4 140.2
152 62.0 49.5 74.3



#18
Fluorene
Concen: 0.393 ng
RT: 15.325 min Scan# 1564
Delta R.T. -0.000 min
Lab File: BN036972.D
Acq: 08 May 2025 14:28

Tgt Ion:166 Resp: 3969
Ion Ratio Lower Upper
166 100
165 100.2 80.8 121.2
167 13.7 10.8 16.2





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 17.021 min Scan# 11

Delta R.T. -0.000 min

Lab File: BN036972.D

Acq: 08 May 2025 14:28

Instrument :

BNA_N

ClientSampleId :

SSTDCCC0.4

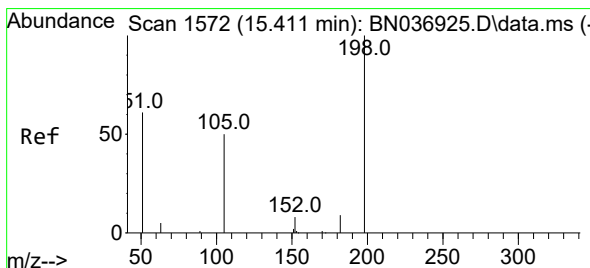
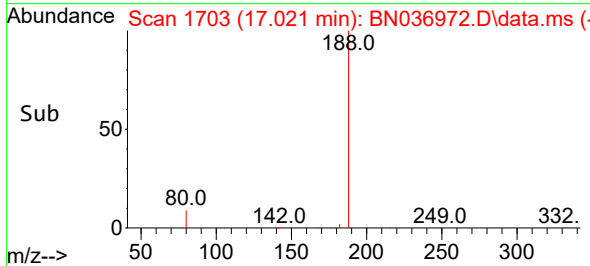
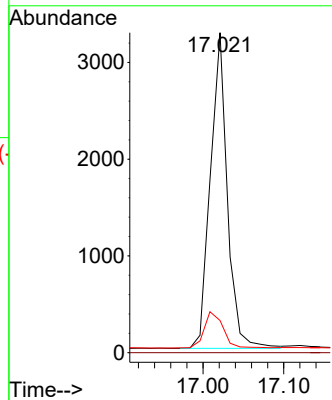
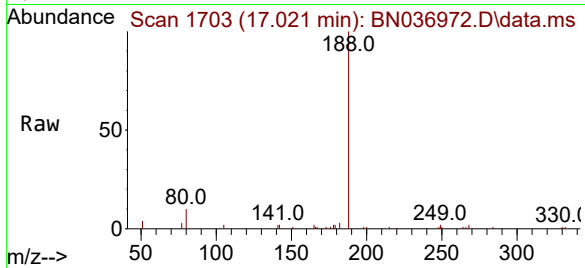
Tgt Ion:188 Resp: 4760

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

80 10.1 10.7 16.1#



#20

4,6-Dinitro-2-methylphenol

Concen: 0.370 ng

RT: 15.411 min Scan# 1572

Delta R.T. -0.000 min

Lab File: BN036972.D

Acq: 08 May 2025 14:28

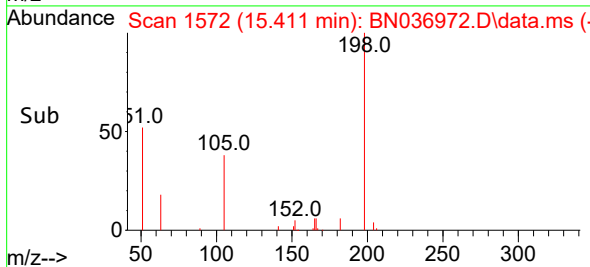
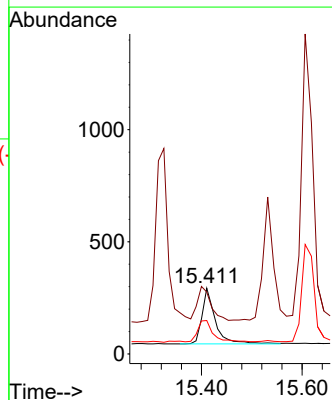
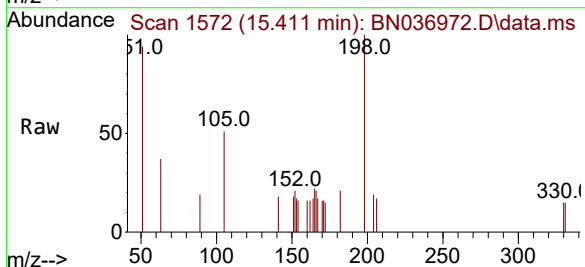
Tgt Ion:198 Resp: 466

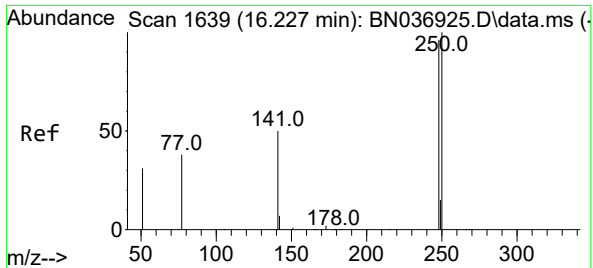
Ion Ratio Lower Upper

198 100

51 94.2 97.9 146.9#

105 50.9 50.0 75.0

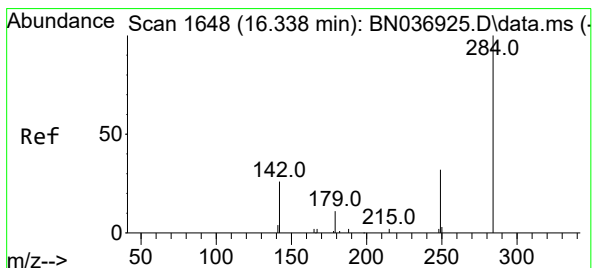
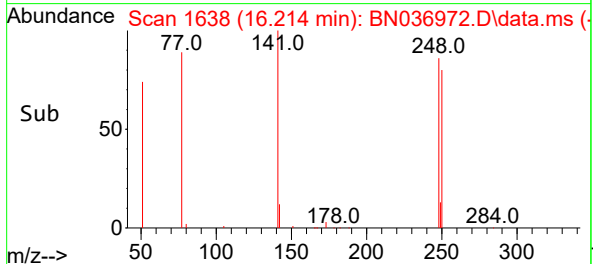
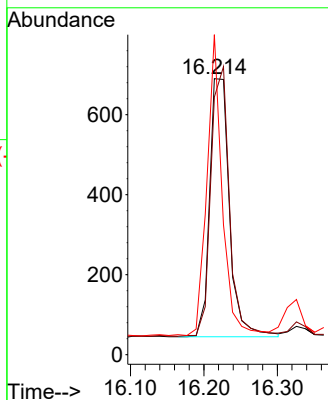
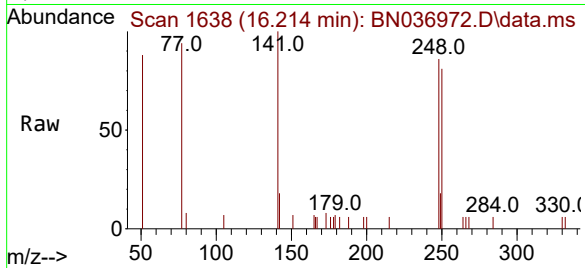




#21
4-Bromophenyl-phenylether
Concen: 0.380 ng
RT: 16.214 min Scan# 1638
Delta R.T. -0.012 min
Lab File: BN036972.D
Acq: 08 May 2025 14:28

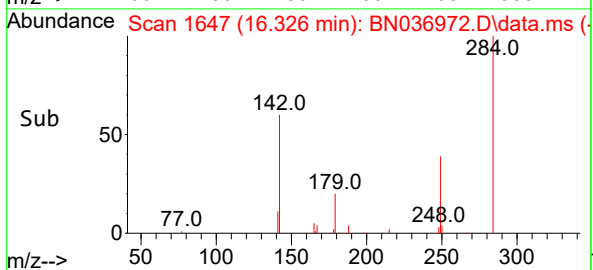
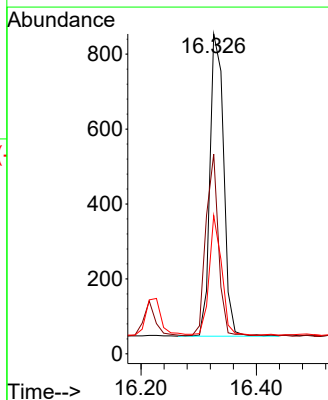
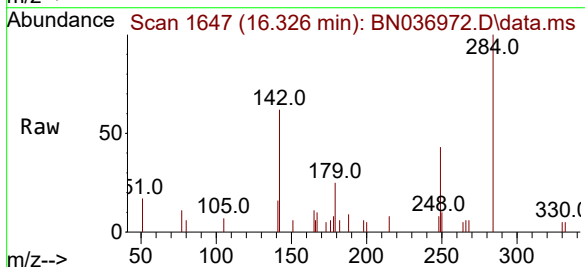
Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

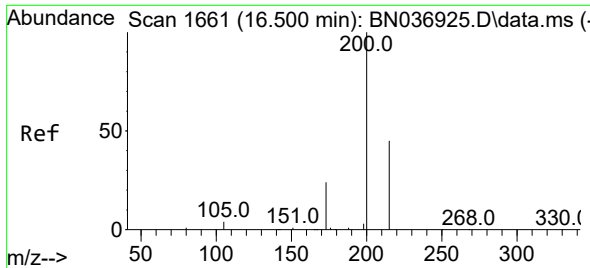
Tgt Ion:248 Resp: 1207
Ion Ratio Lower Upper
248 100
250 93.3 83.7 125.5
141 115.9 43.8 65.8#



#22
Hexachlorobenzene
Concen: 0.383 ng
RT: 16.326 min Scan# 1647
Delta R.T. -0.012 min
Lab File: BN036972.D
Acq: 08 May 2025 14:28

Tgt Ion:284 Resp: 1332
Ion Ratio Lower Upper
284 100
142 54.9 40.0 60.0
249 35.7 28.2 42.2

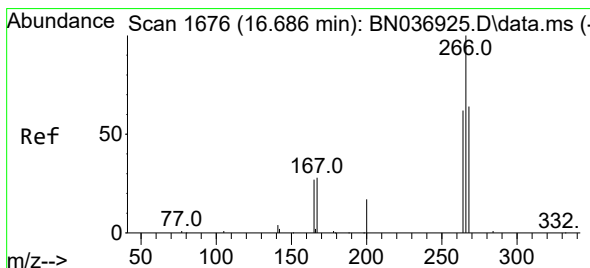
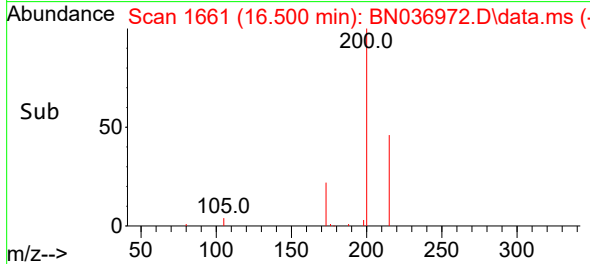
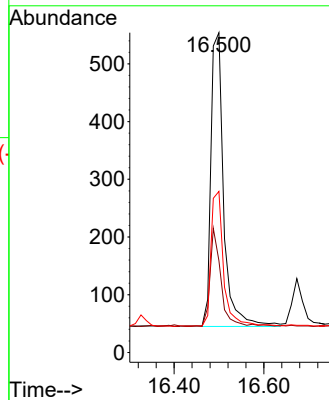
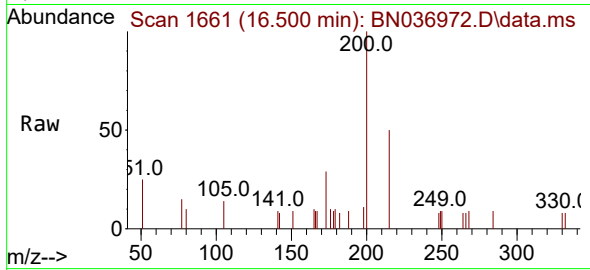




#23
Atrazine
Concen: 0.392 ng
RT: 16.500 min Scan# 1661
Delta R.T. -0.000 min
Lab File: BN036972.D
Acq: 08 May 2025 14:28

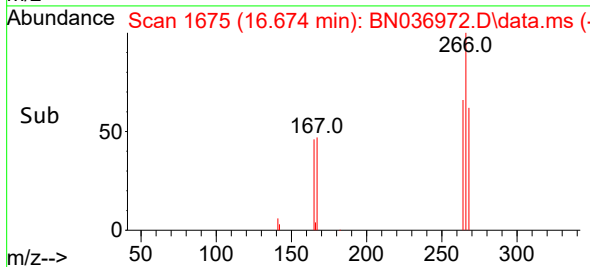
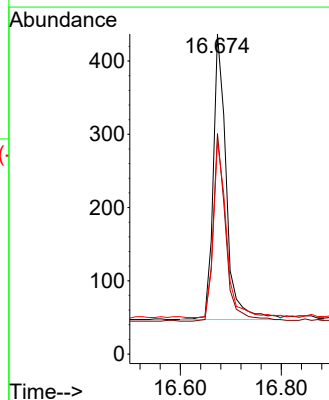
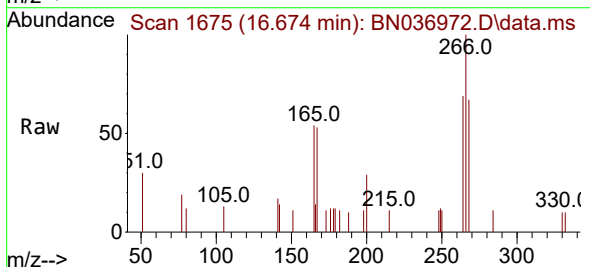
Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

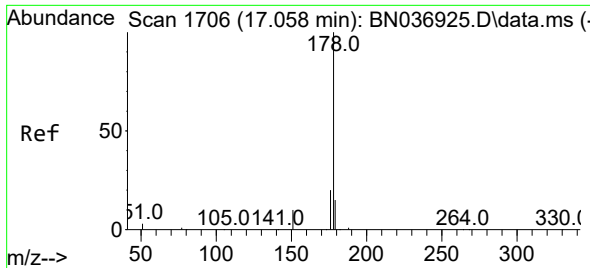
Tgt Ion	Ratio	Lower	Upper
200	100		
173	28.7	22.4	33.6
215	50.4	38.6	57.8



#24
Pentachlorophenol
Concen: 0.375 ng
RT: 16.674 min Scan# 1675
Delta R.T. -0.012 min
Lab File: BN036972.D
Acq: 08 May 2025 14:28

Tgt Ion	Ratio	Lower	Upper
266	100		
264	62.6	49.9	74.9
268	61.4	52.2	78.4

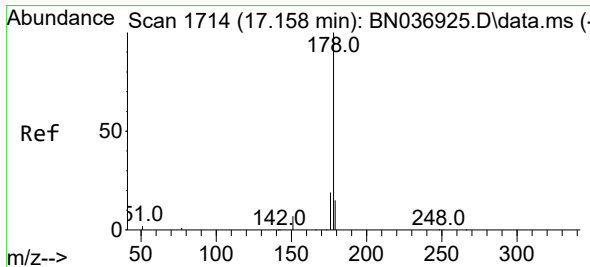
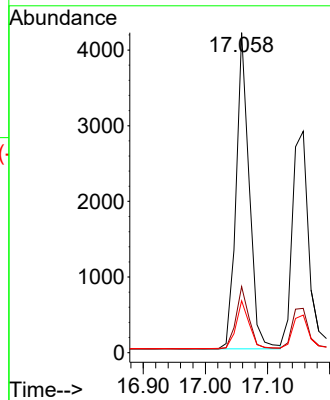
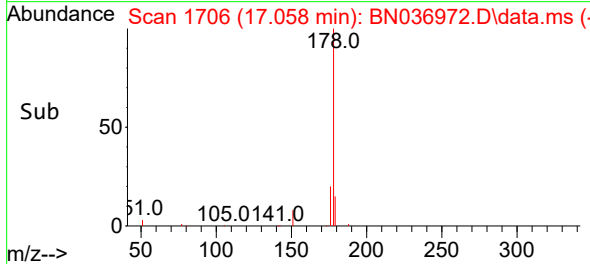
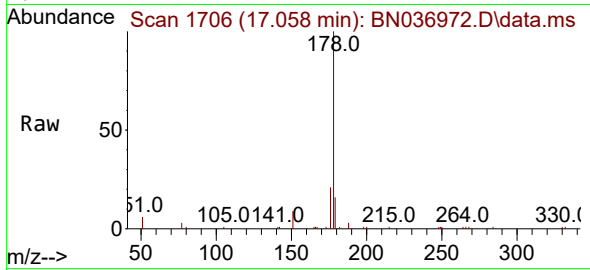




#25
Phenanthrene
Concen: 0.390 ng
RT: 17.058 min Scan# 1706
Delta R.T. -0.000 min
Lab File: BN036972.D
Acq: 08 May 2025 14:28

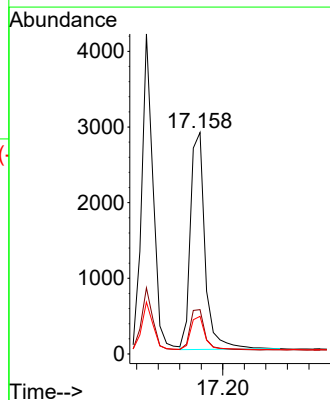
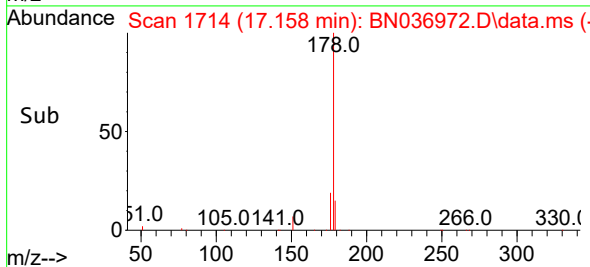
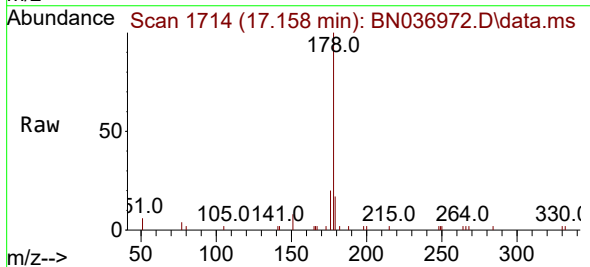
Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

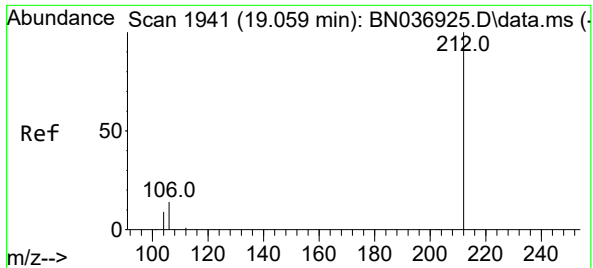
Tgt Ion:178 Resp: 6135
Ion Ratio Lower Upper
178 100
176 19.8 15.7 23.5
179 15.6 12.4 18.6



#26
Anthracene
Concen: 0.381 ng
RT: 17.158 min Scan# 1714
Delta R.T. -0.000 min
Lab File: BN036972.D
Acq: 08 May 2025 14:28

Tgt Ion:178 Resp: 5413
Ion Ratio Lower Upper
178 100
176 19.1 15.3 22.9
179 15.4 12.1 18.1





#27

Fluoranthene-d10

Concen: 0.404 ng

RT: 19.054 min Scan# 1941

Delta R.T. -0.005 min

Lab File: BN036972.D

Acq: 08 May 2025 14:28

Instrument :

BNA_N

ClientSampleId :

SSTDCCC0.4

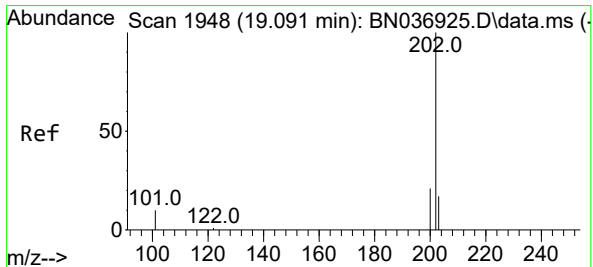
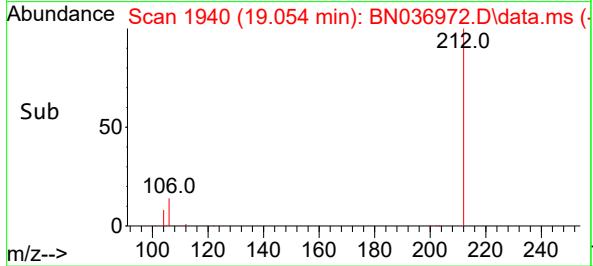
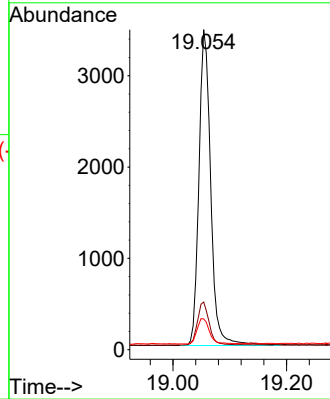
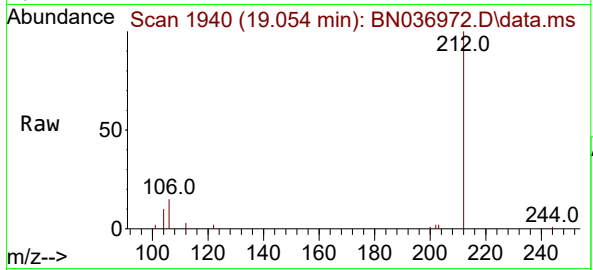
Tgt Ion:212 Resp: 4991

Ion Ratio Lower Upper

212 100

106 13.4 11.6 17.4

104 8.3 7.0 10.4



#28

Fluoranthene

Concen: 0.403 ng

RT: 19.087 min Scan# 1947

Delta R.T. -0.005 min

Lab File: BN036972.D

Acq: 08 May 2025 14:28

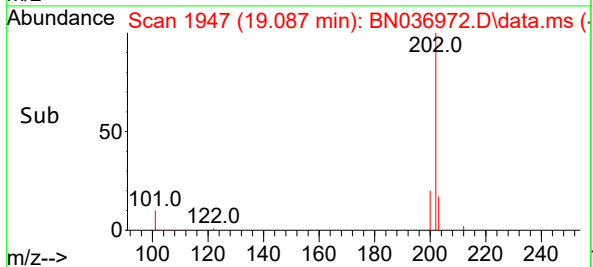
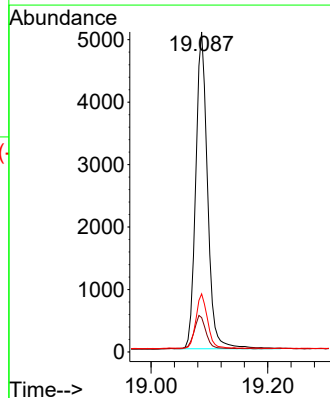
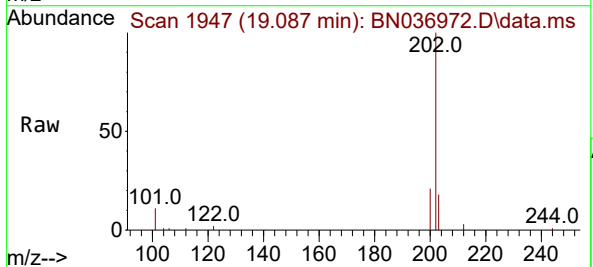
Tgt Ion:202 Resp: 7099

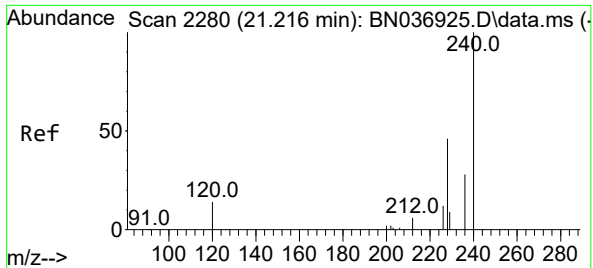
Ion Ratio Lower Upper

202 100

101 10.8 8.5 12.7

203 16.8 13.7 20.5





#29

Chrysene-d12

Concen: 0.400 ng

RT: 21.215 min Scan# 21

Delta R.T. -0.000 min

Lab File: BN036972.D

Acq: 08 May 2025 14:28

Instrument :

BNA_N

ClientSampleId :

SSTDCCC0.4

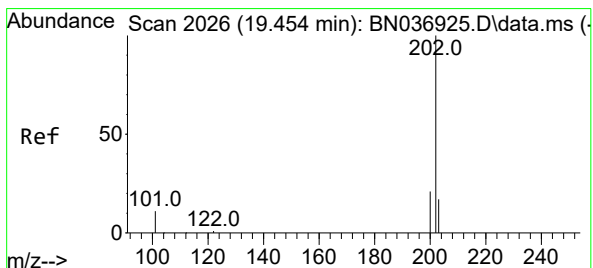
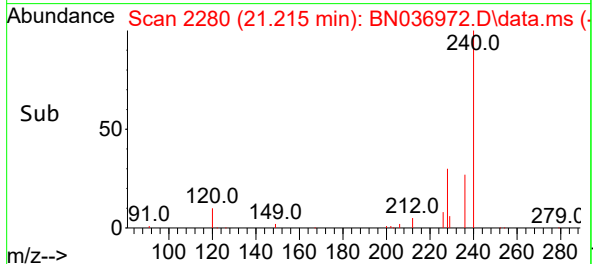
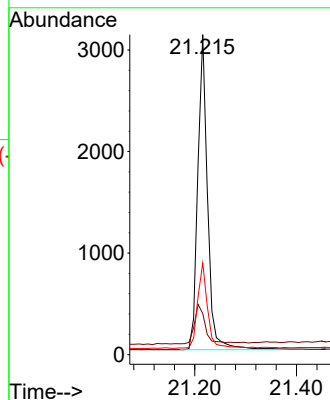
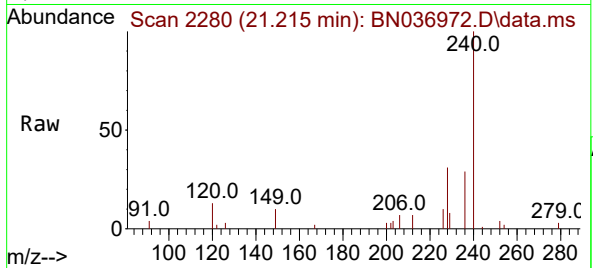
Tgt Ion:240 Resp: 4148

Ion Ratio Lower Upper

240 100

120 12.9 14.1 21.1#

236 28.6 23.8 35.8



#30

Pyrene

Concen: 0.355 ng

RT: 19.449 min Scan# 2025

Delta R.T. -0.005 min

Lab File: BN036972.D

Acq: 08 May 2025 14:28

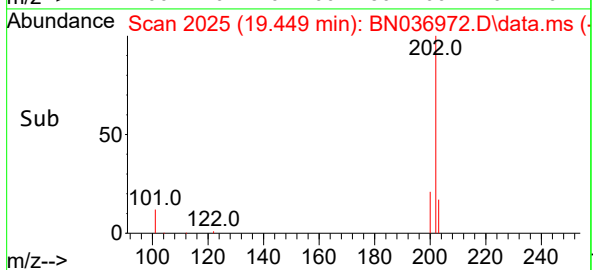
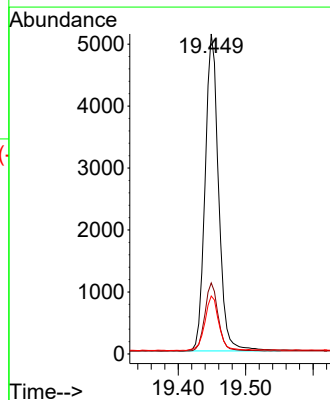
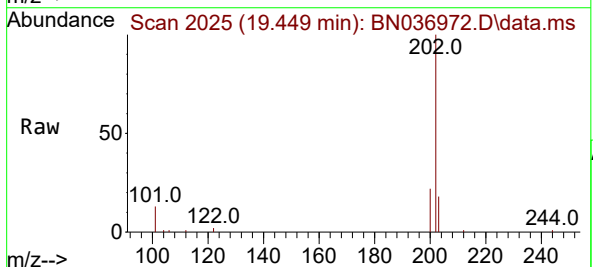
Tgt Ion:202 Resp: 7087

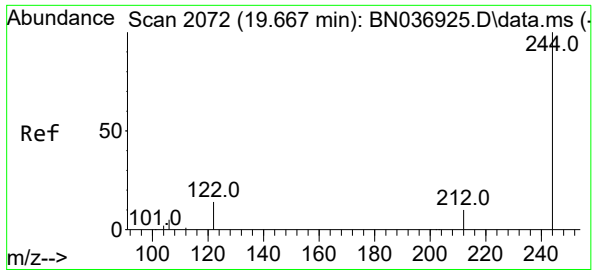
Ion Ratio Lower Upper

202 100

200 21.5 17.0 25.6

203 18.0 14.0 21.0

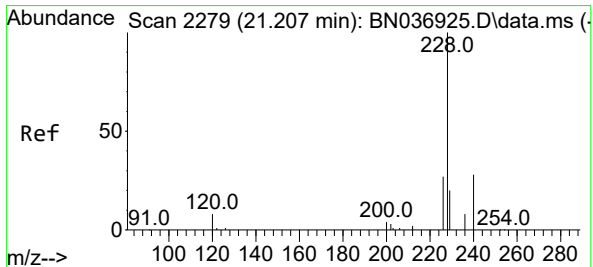
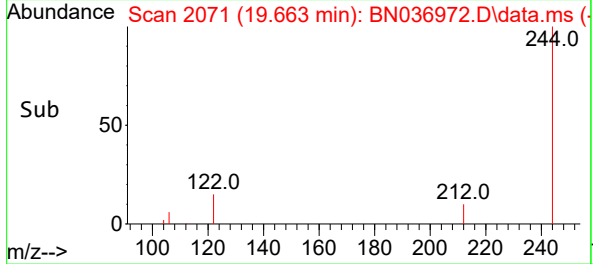
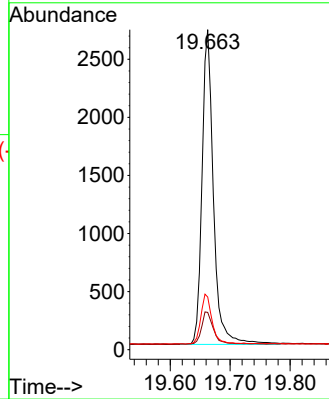
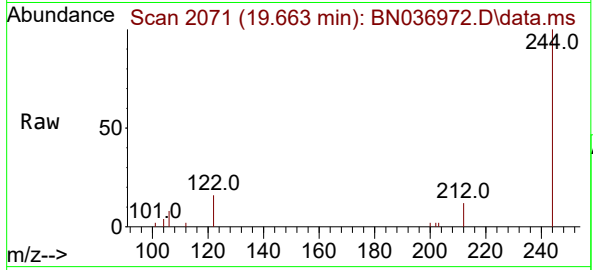




#31
Terphenyl-d14
Concen: 0.365 ng
RT: 19.663 min Scan# 2071
Delta R.T. -0.005 min
Lab File: BN036972.D
Acq: 08 May 2025 14:28

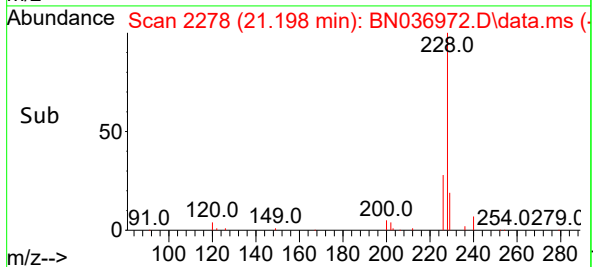
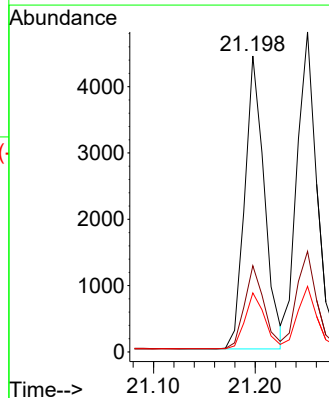
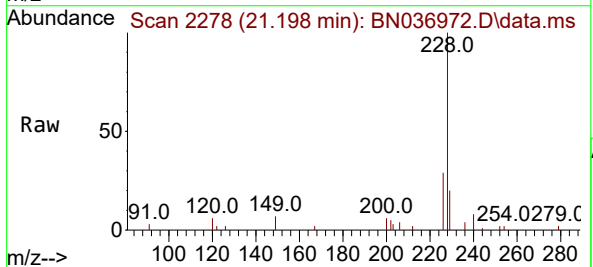
Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

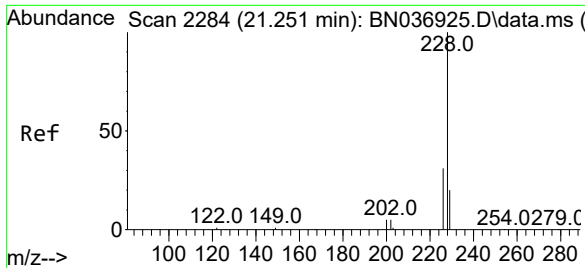
Tgt Ion:244 Resp: 3576
Ion Ratio Lower Upper
244 100
212 11.7 9.6 14.4
122 16.4 12.7 19.1



#32
Benzo(a)anthracene
Concen: 0.388 ng
RT: 21.198 min Scan# 2278
Delta R.T. -0.009 min
Lab File: BN036972.D
Acq: 08 May 2025 14:28

Tgt Ion:228 Resp: 5923
Ion Ratio Lower Upper
228 100
226 29.1 22.2 33.4
229 19.9 16.4 24.6





#33

Chrysene

Concen: 0.415 ng

RT: 21.251 min Scan# 21

Delta R.T. -0.000 min

Lab File: BN036972.D

Acq: 08 May 2025 14:28

Instrument :

BNA_N

ClientSampleId :

SSTDCCC0.4

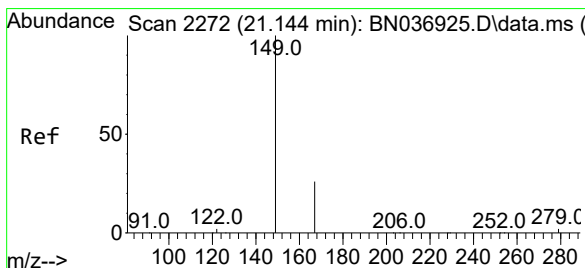
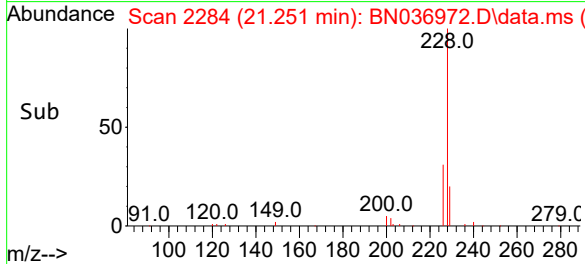
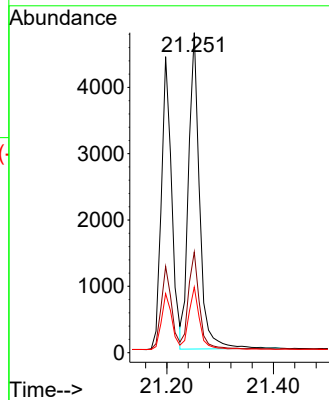
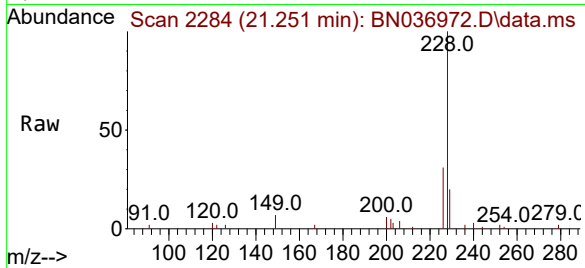
Tgt Ion:228 Resp: 6833

Ion Ratio Lower Upper

228 100

226 31.4 25.5 38.3

229 20.5 16.5 24.7



#34

Bis(2-ethylhexyl)phthalate

Concen: 0.429 ng

RT: 21.144 min Scan# 2272

Delta R.T. -0.000 min

Lab File: BN036972.D

Acq: 08 May 2025 14:28

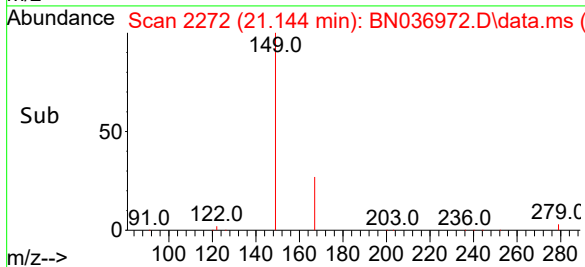
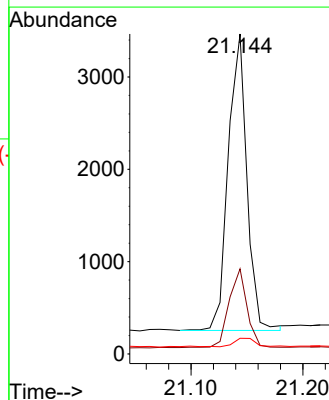
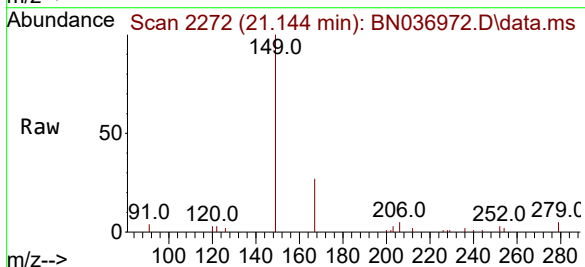
Tgt Ion:149 Resp: 3730

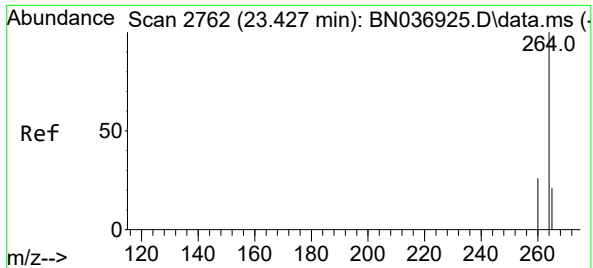
Ion Ratio Lower Upper

149 100

167 25.5 21.0 31.6

279 3.3 2.7 4.1

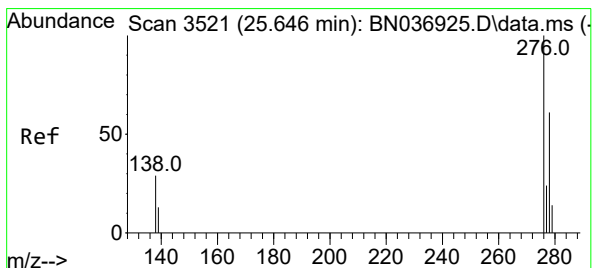
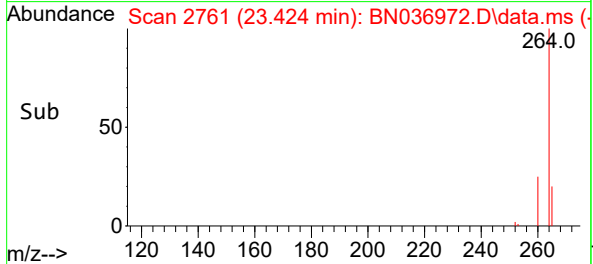
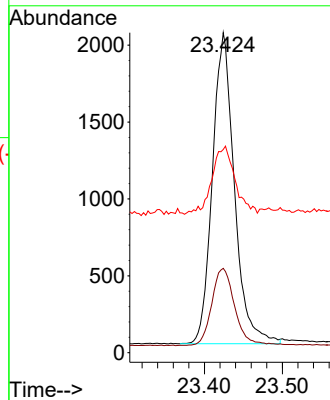
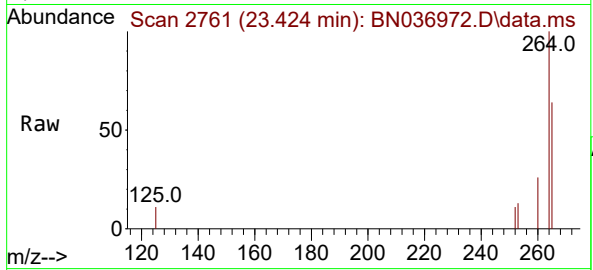




#35
Perylene-d12
Concen: 0.400 ng
RT: 23.424 min Scan# 21
Delta R.T. -0.003 min
Lab File: BN036972.D
Acq: 08 May 2025 14:28

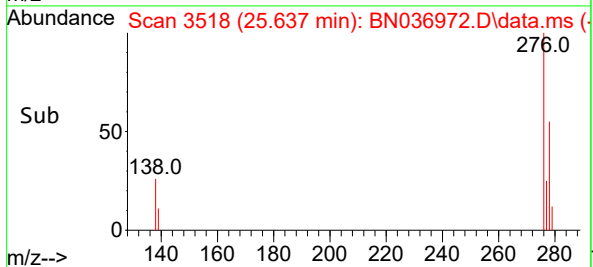
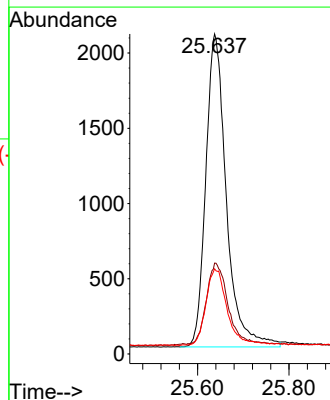
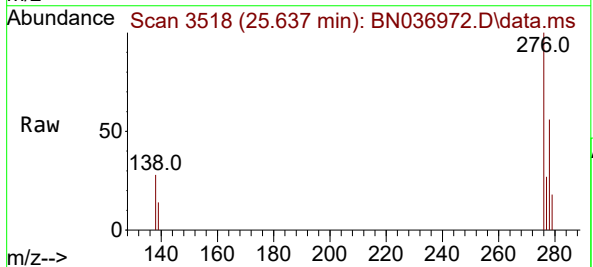
Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

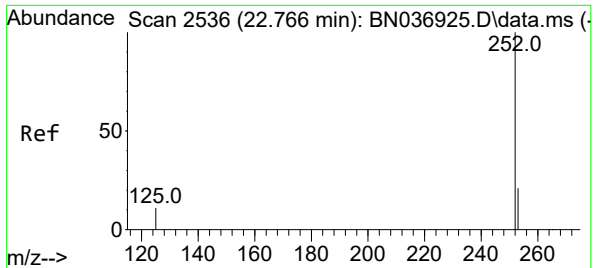
Tgt Ion:264 Resp: 3956
Ion Ratio Lower Upper
264 100
260 26.4 22.2 33.2
265 63.5 65.8 98.6#



#36
Indeno(1,2,3-cd)pyrene
Concen: 0.402 ng
RT: 25.637 min Scan# 3518
Delta R.T. -0.009 min
Lab File: BN036972.D
Acq: 08 May 2025 14:28

Tgt Ion:276 Resp: 6491
Ion Ratio Lower Upper
276 100
138 26.7 23.0 34.6
277 24.7 20.0 30.0

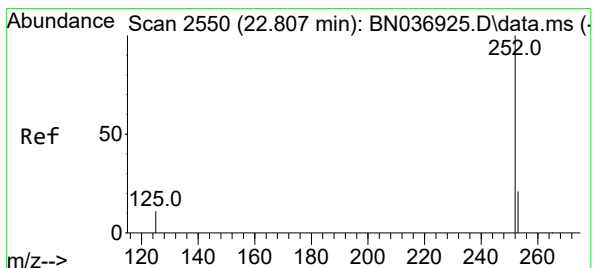
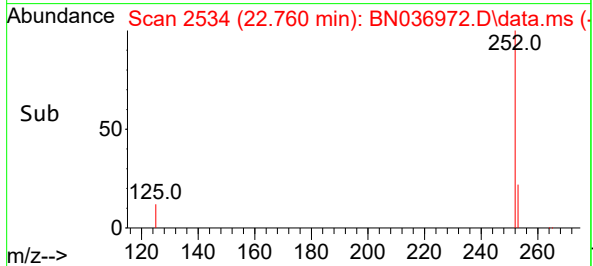
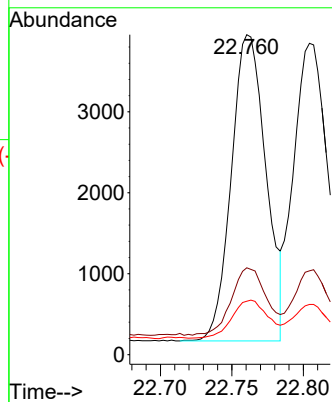
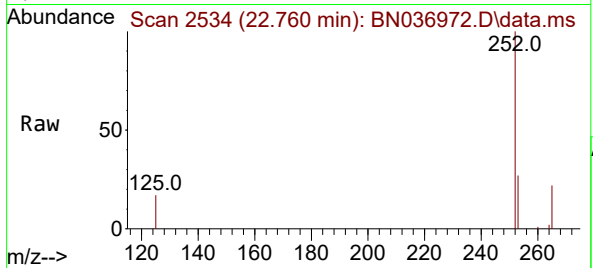




#37
Benzo(b)fluoranthene
Concen: 0.384 ng
RT: 22.760 min Scan# 21
Delta R.T. -0.006 min
Lab File: BN036972.D
Acq: 08 May 2025 14:28

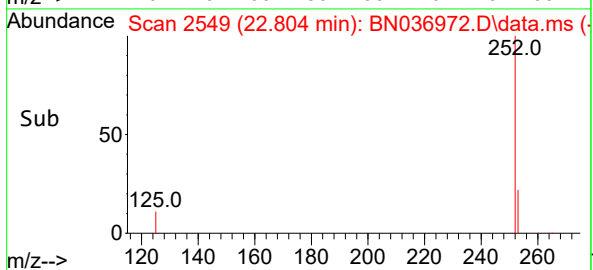
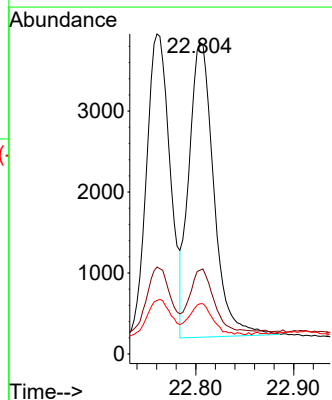
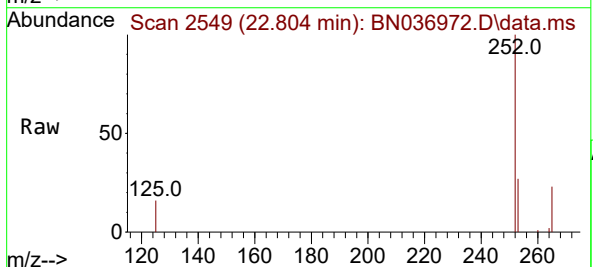
Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

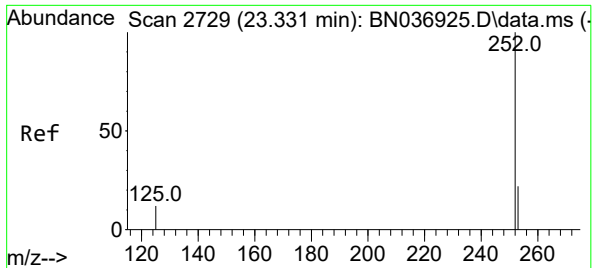
Tgt Ion:252 Resp: 6386
Ion Ratio Lower Upper
252 100
253 27.1 22.1 33.1
125 16.7 14.2 21.2



#38
Benzo(k)fluoranthene
Concen: 0.383 ng
RT: 22.804 min Scan# 2549
Delta R.T. -0.003 min
Lab File: BN036972.D
Acq: 08 May 2025 14:28

Tgt Ion:252 Resp: 6411
Ion Ratio Lower Upper
252 100
253 26.9 22.8 34.2
125 16.1 14.2 21.2

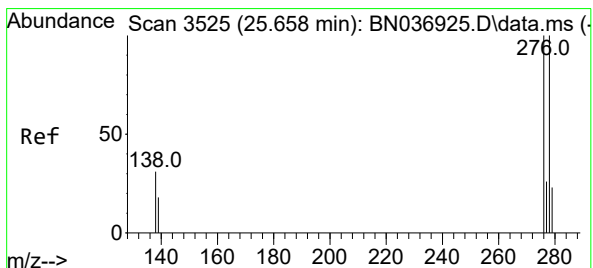
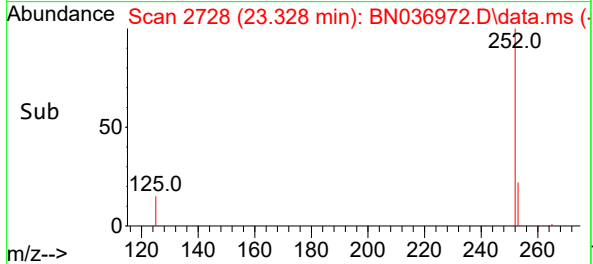
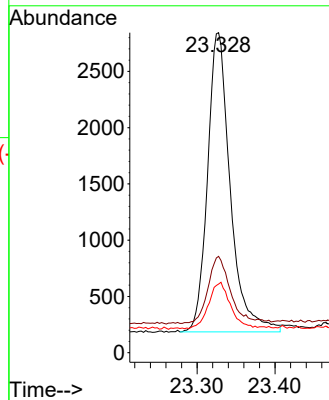
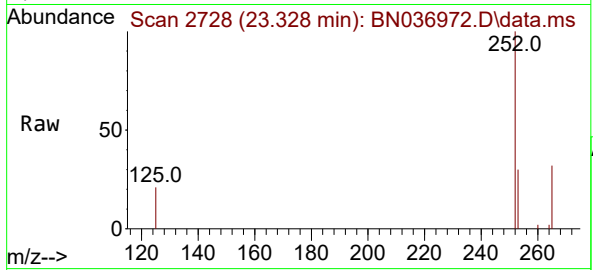




#39
Benzo(a)pyrene
Concen: 0.394 ng
RT: 23.328 min Scan# 21
Delta R.T. -0.003 min
Lab File: BN036972.D
Acq: 08 May 2025 14:28

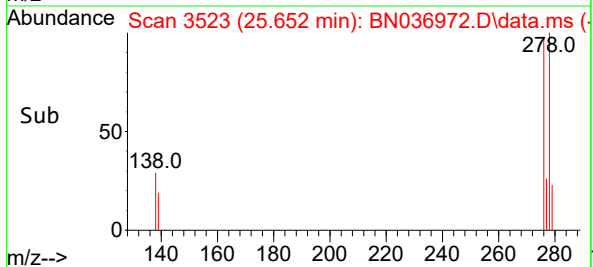
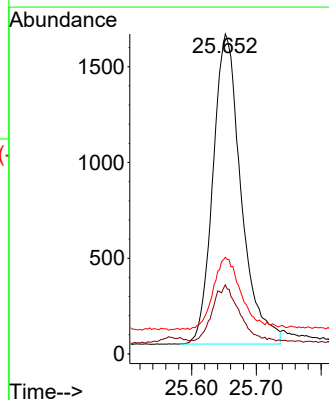
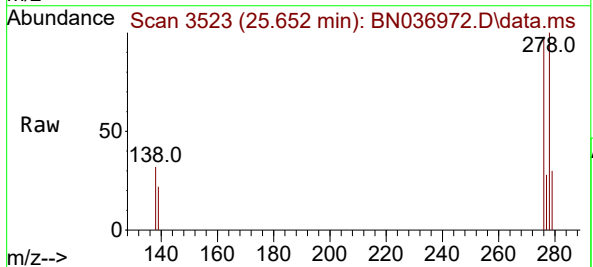
Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

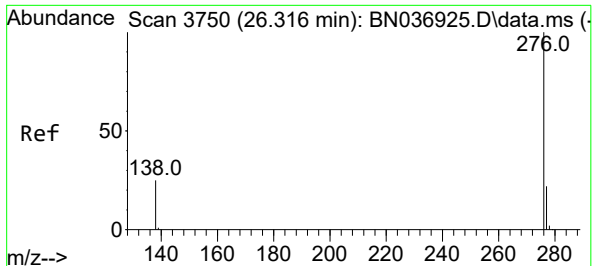
Tgt Ion:252 Resp: 5394
Ion Ratio Lower Upper
252 100
253 30.1 25.9 38.9
125 21.4 17.4 26.0



#40
Dibenzo(a,h)anthracene
Concen: 0.385 ng
RT: 25.652 min Scan# 3523
Delta R.T. -0.006 min
Lab File: BN036972.D
Acq: 08 May 2025 14:28

Tgt Ion:278 Resp: 4894
Ion Ratio Lower Upper
278 100
139 21.6 17.4 26.2
279 30.2 24.9 37.3





#41

Benzo(g,h,i)perylene

Concen: 0.402 ng

RT: 26.316 min Scan# 31

Delta R.T. -0.000 min

Lab File: BN036972.D

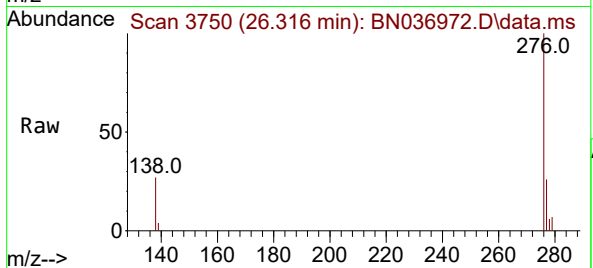
Acq: 08 May 2025 14:28

Instrument :

BNA_N

ClientSampleId :

SSTDCCC0.4



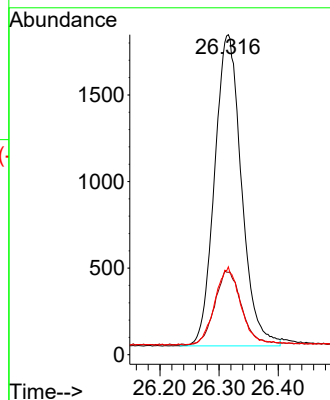
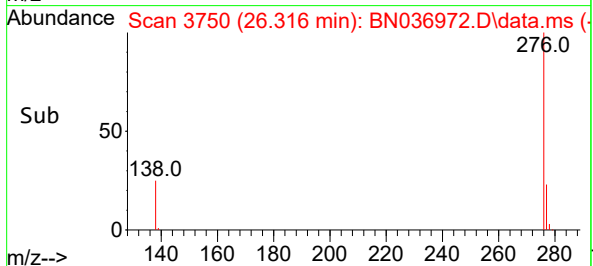
Tgt Ion:276 Resp: 5674

Ion Ratio Lower Upper

276 100

277 25.8 20.2 30.2

138 27.5 21.9 32.9



Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN050825\
 Data File : BN036972.D
 Acq On : 08 May 2025 14:28
 Operator : RC/JU
 Sample : SSTDCCC0.4
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_N
 LabSampleId :
 SSTDCCC0.4

Quant Time: May 08 15:00:34 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN042825.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Apr 28 15:35:03 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	74	0.00
2	1,4-Dioxane	0.498	0.509	-2.2	68	0.00
3	n-Nitrosodimethylamine	0.967	1.034	-6.9	76	0.00
4 S	2-Fluorophenol	1.023	1.032	-0.9	68	0.00
5 S	Phenol-d6	1.259	1.275	-1.3	70	0.00
6	bis(2-Chloroethyl)ether	1.167	1.114	4.5	70	0.00
7 I	Naphthalene-d8	1.000	1.000	0.0	75	-0.01
8 S	Nitrobenzene-d5	0.418	0.416	0.5	76	-0.01
9	Naphthalene	1.164	1.153	0.9	75	0.00
10	Hexachlorobutadiene	0.252	0.247	2.0	74	-0.01
11 SURR	2-Methylnaphthalene-d10	0.559	0.538	3.8	75	0.00
12	2-Methylnaphthalene	0.753	0.727	3.5	76	0.00
13 I	Acenaphthene-d10	1.000	1.000	0.0	79	0.00
14 S	2,4,6-Tribromophenol	0.178	0.170	4.5	76	0.00
15 S	2-Fluorobiphenyl	1.933	1.961	-1.4	75	0.00
16	Acenaphthylene	1.955	1.883	3.7	78	-0.01
17	Acenaphthene	1.284	1.257	2.1	78	-0.01
18	Fluorene	1.680	1.650	1.8	80	0.00
19 I	Phenanthrene-d10	1.000	1.000	0.0	83	0.00
20	4,6-Dinitro-2-methylphenol	0.106	0.098	7.5	90	0.00
21	4-Bromophenyl-phenylether	0.267	0.254	4.9	81	-0.01
22	Hexachlorobenzene	0.293	0.280	4.4	78	-0.01
23	Atrazine	0.215	0.211	1.9	88	0.00
24	Pentachlorophenol	0.157	0.147	6.4	85	-0.01
25	Phenanthrene	1.320	1.289	2.3	83	0.00
26	Anthracene	1.194	1.137	4.8	83	0.00
27 SURR	Fluoranthene-d10	1.037	1.049	-1.2	88	0.00
28	Fluoranthene	1.480	1.491	-0.7	89	0.00
29 I	Chrysene-d12	1.000	1.000	0.0	101	0.00
30	Pyrene	1.927	1.709	11.3	88	0.00
31 S	Terphenyl-d14	0.944	0.862	8.7	92	0.00
32	Benzo(a)anthracene	1.473	1.428	3.1	101	0.00
33	Chrysene	1.589	1.647	-3.7	101	0.00
34	Bis(2-ethylhexyl)phthalate	0.838	0.899	-7.3	109	0.00
35 I	Perylene-d12	1.000	1.000	0.0	109	0.00
36	Indeno(1,2,3-cd)pyrene	1.634	1.641	-0.4	104	0.00
37	Benzo(b)fluoranthene	1.682	1.614	4.0	108	0.00
38	Benzo(k)fluoranthene	1.691	1.621	4.1	107	0.00
39 C	Benzo(a)pyrene	1.383	1.363	1.4	109	0.00
40	Dibenzo(a,h)anthracene	1.286	1.237	3.8	100	0.00
41	Benzo(g,h,i)perylene	1.427	1.434	-0.5	103	0.00

(#) = 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\BN050825\
 Data File : BN036972.D
 Acq On : 08 May 2025 14:28
 Operator : RC/JU
 Sample : SSTDCCC0.4
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_N
 LabSampleId :
 SSTDCCC0.4

Quant Time: May 08 15:00:34 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN042825.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Apr 28 15:35:03 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	74	0.00
2	1,4-Dioxane	0.400	0.409	-2.2	68	0.00
3	n-Nitrosodimethylamine	0.400	0.428	-7.0	76	0.00
4 S	2-Fluorophenol	0.400	0.403	-0.8	68	0.00
5 S	Phenol-d6	0.400	0.405	-1.3	70	0.00
6	bis(2-Chloroethyl)ether	0.400	0.382	4.5	70	0.00
7 I	Naphthalene-d8	0.400	0.400	0.0	75	-0.01
8 S	Nitrobenzene-d5	0.400	0.398	0.5	76	-0.01
9	Naphthalene	0.400	0.396	1.0	75	0.00
10	Hexachlorobutadiene	0.400	0.392	2.0	74	-0.01
11 SURR	2-Methylnaphthalene-d10	0.400	0.385	3.8	75	0.00
12	2-Methylnaphthalene	0.400	0.386	3.5	76	0.00
13 I	Acenaphthene-d10	0.400	0.400	0.0	79	0.00
14 S	2,4,6-Tribromophenol	0.400	0.381	4.8	76	0.00
15 S	2-Fluorobiphenyl	0.400	0.406	-1.5	75	0.00
16	Acenaphthylene	0.400	0.385	3.8	78	-0.01
17	Acenaphthene	0.400	0.392	2.0	78	-0.01
18	Fluorene	0.400	0.393	1.8	80	0.00
19 I	Phenanthrene-d10	0.400	0.400	0.0	83	0.00
20	4,6-Dinitro-2-methylphenol	0.400	0.370	7.5	90	0.00
21	4-Bromophenyl-phenylether	0.400	0.380	5.0	81	-0.01
22	Hexachlorobenzene	0.400	0.383	4.3	78	-0.01
23	Atrazine	0.400	0.392	2.0	88	0.00
24	Pentachlorophenol	0.400	0.375	6.3	85	-0.01
25	Phenanthrene	0.400	0.390	2.5	83	0.00
26	Anthracene	0.400	0.381	4.8	83	0.00
27 SURR	Fluoranthene-d10	0.400	0.404	-1.0	88	0.00
28	Fluoranthene	0.400	0.403	-0.8	89	0.00
29 I	Chrysene-d12	0.400	0.400	0.0	101	0.00
30	Pyrene	0.400	0.355	11.3	88	0.00
31 S	Terphenyl-d14	0.400	0.365	8.8	92	0.00
32	Benzo(a)anthracene	0.400	0.388	3.0	101	0.00
33	Chrysene	0.400	0.415	-3.7	101	0.00
34	Bis(2-ethylhexyl)phthalate	0.400	0.429	-7.2	109	0.00
35 I	Perylene-d12	0.400	0.400	0.0	109	0.00
36	Indeno(1,2,3-cd)pyrene	0.400	0.402	-0.5	104	0.00
37	Benzo(b)fluoranthene	0.400	0.384	4.0	108	0.00
38	Benzo(k)fluoranthene	0.400	0.383	4.3	107	0.00
39 C	Benzo(a)pyrene	0.400	0.394	1.5	109	0.00
40	Dibenzo(a,h)anthracene	0.400	0.385	3.8	100	0.00
41	Benzo(g,h,i)perylene	0.400	0.402	-0.5	103	0.00

(#) = Out of Range

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

Instrument :

BNA_N

LabSampleId :

SSTDCCC0.4



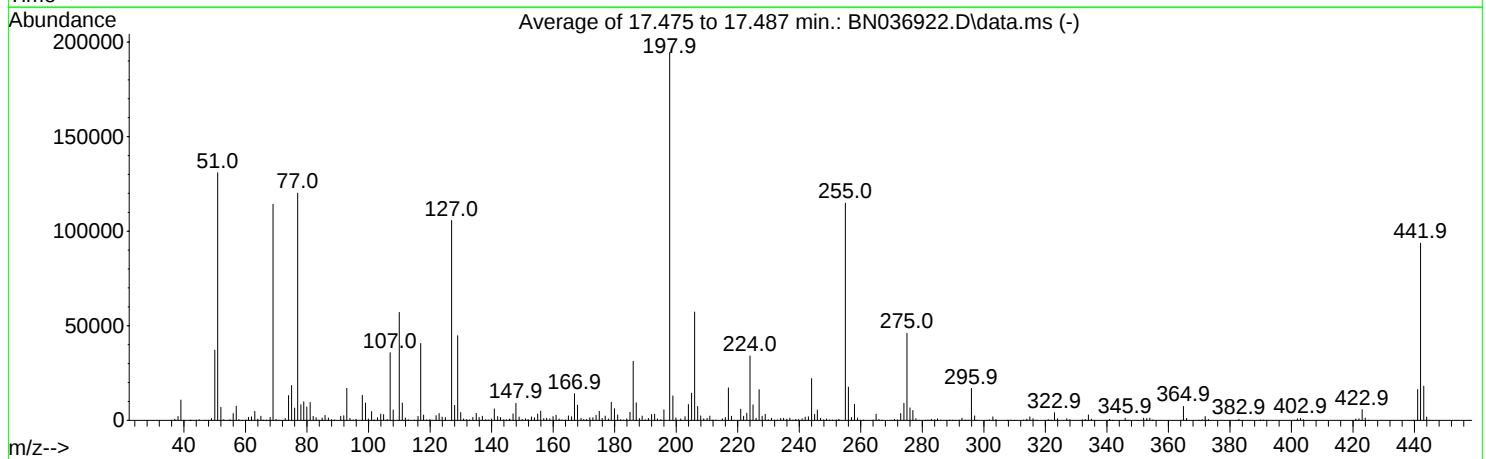
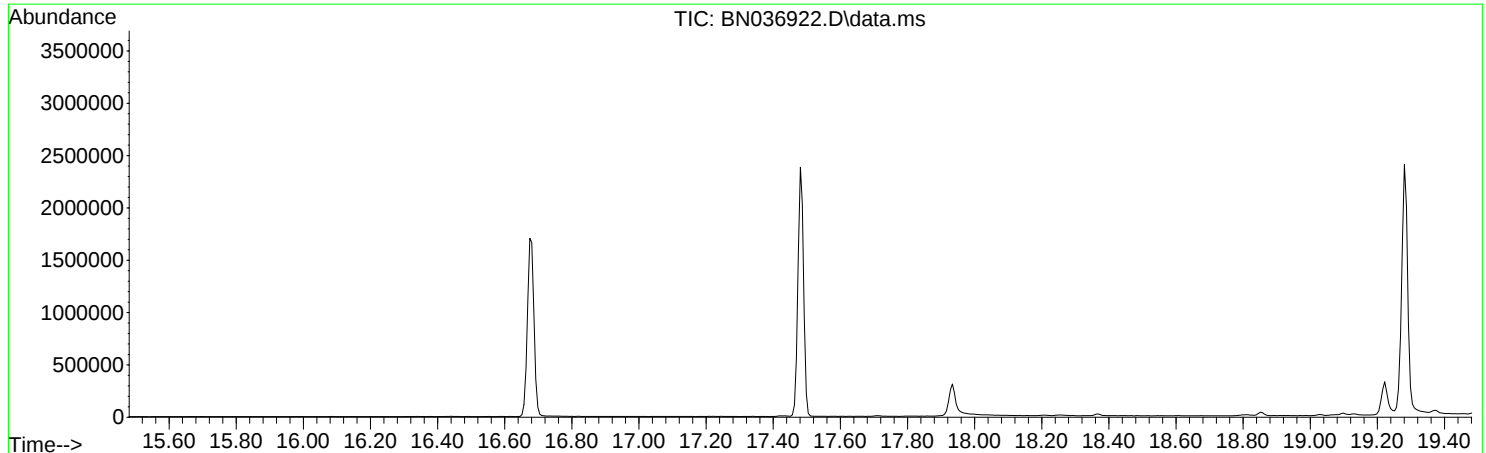
QC SAMPLE DATA

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN042825\
Data File : BN036922.D
Acq On : 28 Apr 2025 10:56
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-BN042825.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Mon Apr 28 15:35:03 2025



AutoFind: Scans 2480, 2481, 2482; Background Corrected with Scan 2473

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	10	80	67.4	130988	PASS
68	69	0.00	2	1.4	1628	PASS
69	198	0.00	100	58.8	114280	PASS
70	69	0.00	2	0.4	478	PASS
127	198	10	80	54.3	105632	PASS
197	198	0.00	2	0.0	0	PASS
198	198	100	100	100.0	194475	PASS
199	198	5	9	6.7	12991	PASS
275	198	10	60	23.7	46040	PASS
365	198	1	100	3.8	7407	PASS
441	198	0.01	100	8.4	16253	PASS
442	442	50	100	100.0	93637	PASS
443	442	15	24	19.4	18149	PASS

DDT Breakdown

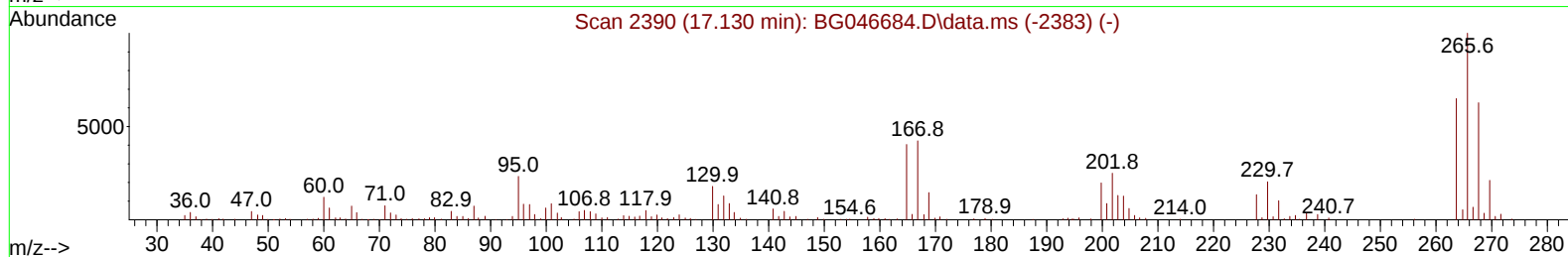
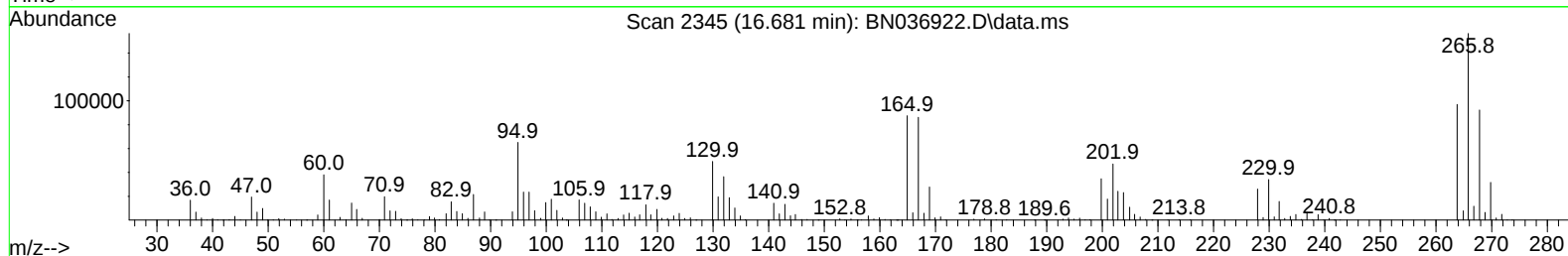
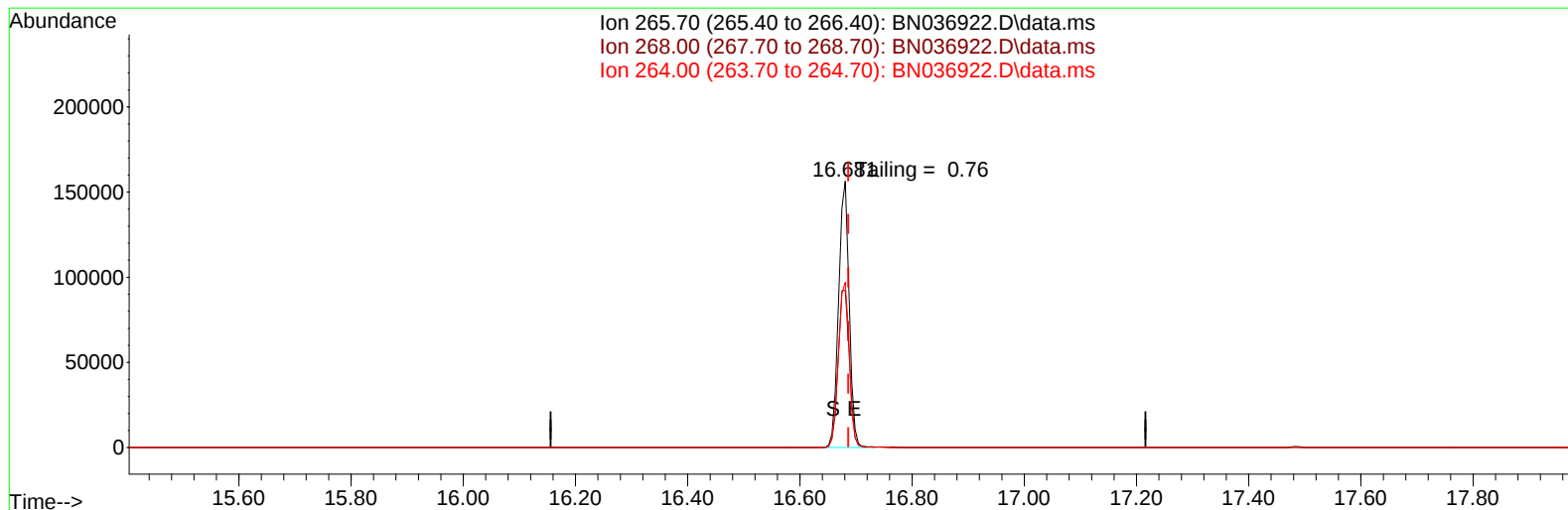
Date	Instrument Name	DFTPP Data File
4/28/2025	BNA_N	<u>BN036922.D</u>
Compound Name	Response	Retention Time
DDT	653394	20.522
DDD	6192	20.133
DDE	0	19.621
SUM(DDD+DDE)	SUM(DDT+DDD+DDE)	% Breakdown Of DDT
6192	659586	0.94

Instrument :
BNA_N
ClientSampleId :
DFTPP

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN042825\
Data File : BN036922.D
Acq On : 28 Apr 2025 10:56
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
DFTPP

Quant Time: Apr 28 16:10:41 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270E-Tune.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Apr 11 23:51:57 2025
Response via : Initial Calibration



TIC: BN036922.D\data.ms

(70) Pentachlorophenol (C)

16.681min (-0.005) 20278.92 ng

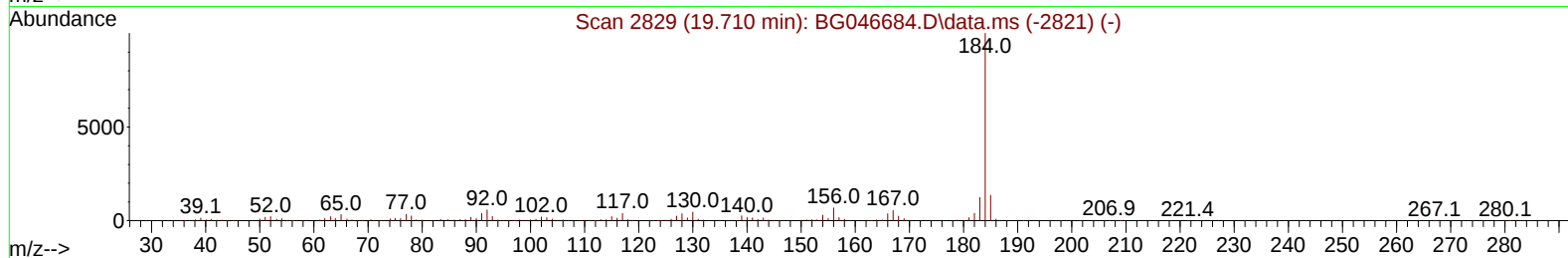
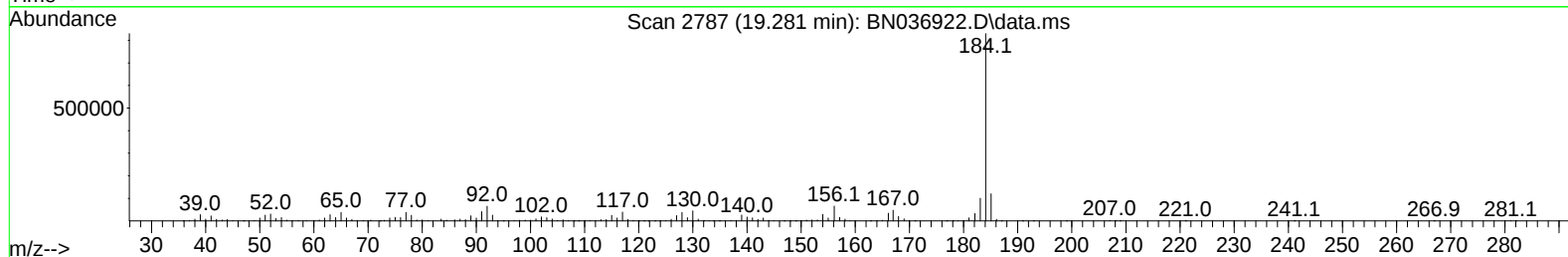
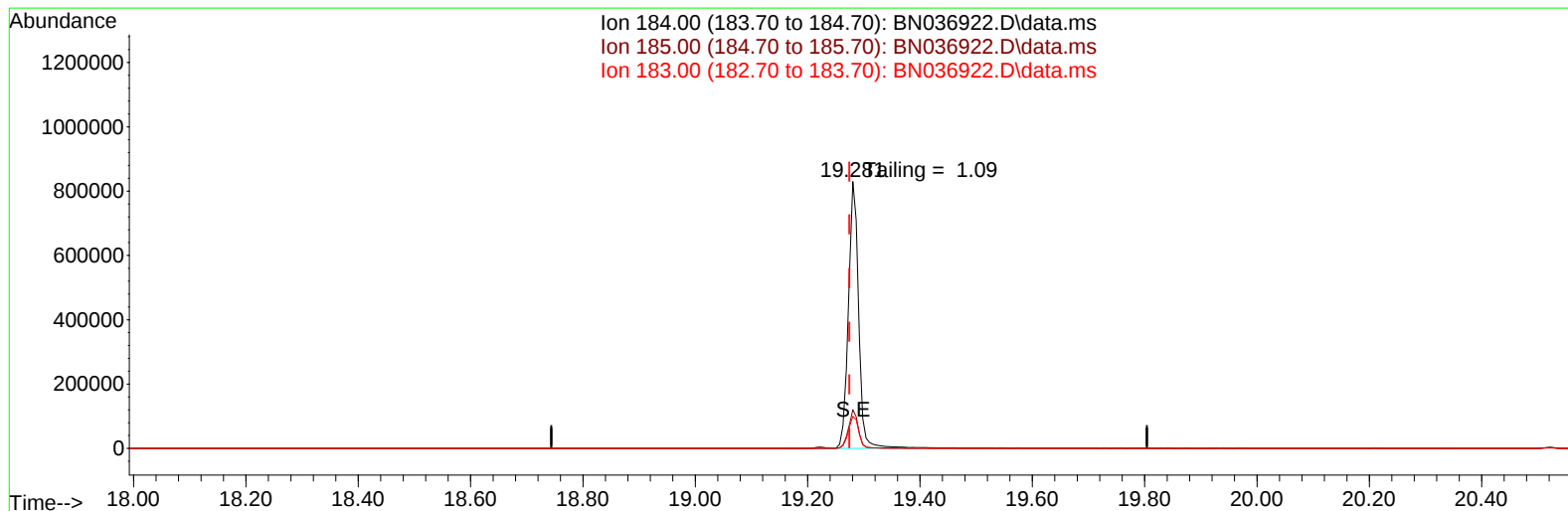
response 204659

Ion	Exp%	Act%
265.70	100.00	100.00
268.00	62.20	59.04
264.00	61.60	61.99
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN042825\
Data File : BN036922.D
Acq On : 28 Apr 2025 10:56
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
DFTPP

Quant Time: Apr 28 16:10:41 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270E-Tune.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Apr 11 23:51:57 2025
Response via : Initial Calibration



TIC: BN036922.D\data.ms

(77) Benzidine

19.281min (+ 0.006) 0.00 ng

response 1065531

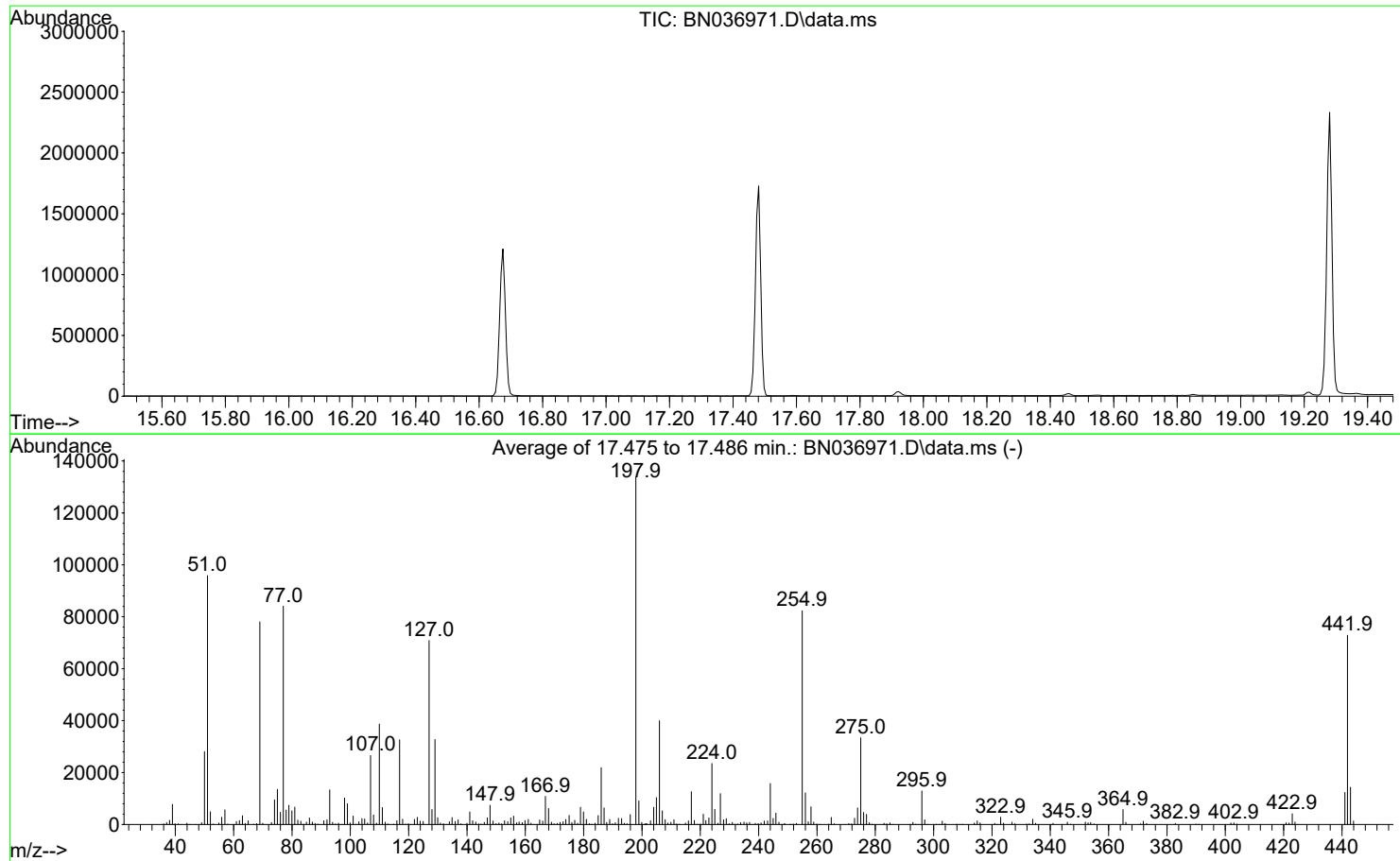
Ion	Exp%	Act%
184.00	100.00	100.00
185.00	15.50	14.51
183.00	13.20	12.08
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN050825\
Data File : BN036971.D
Acq On : 08 May 2025 13:49
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-BN042825.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Mon Apr 28 15:35:03 2025



AutoFind: Scans 2480, 2481, 2482; Background Corrected with Scan 2473

Target	Rel. to	Lower	Upper	Rel.	Raw	Result
Mass	Mass	Limit%	Limit%	Abn%	Abn	Pass/Fail
51	198	10	80	71.6	95861	PASS
68	69	0.00	2	0.4	347	PASS
69	198	0.00	100	58.3	78027	PASS
70	69	0.00	2	0.6	481	PASS
127	198	10	80	52.9	70819	PASS
197	198	0.00	2	0.0	0	PASS
198	198	100	100	100.0	133899	PASS
199	198	5	9	6.8	9104	PASS
275	198	10	60	24.9	33392	PASS
365	198	1	100	4.3	5794	PASS
441	198	0.01	100	9.2	12369	PASS
442	442	50	100	100.0	72864	PASS
443	442	15	24	19.7	14358	PASS

DDT Breakdown

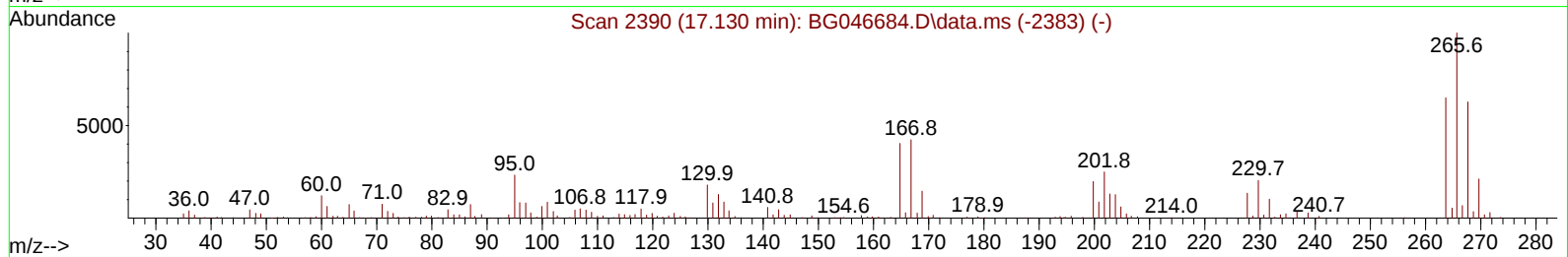
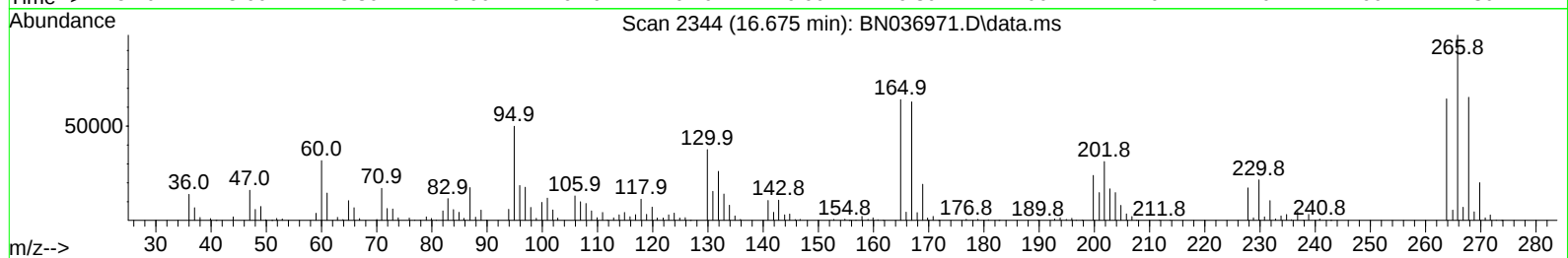
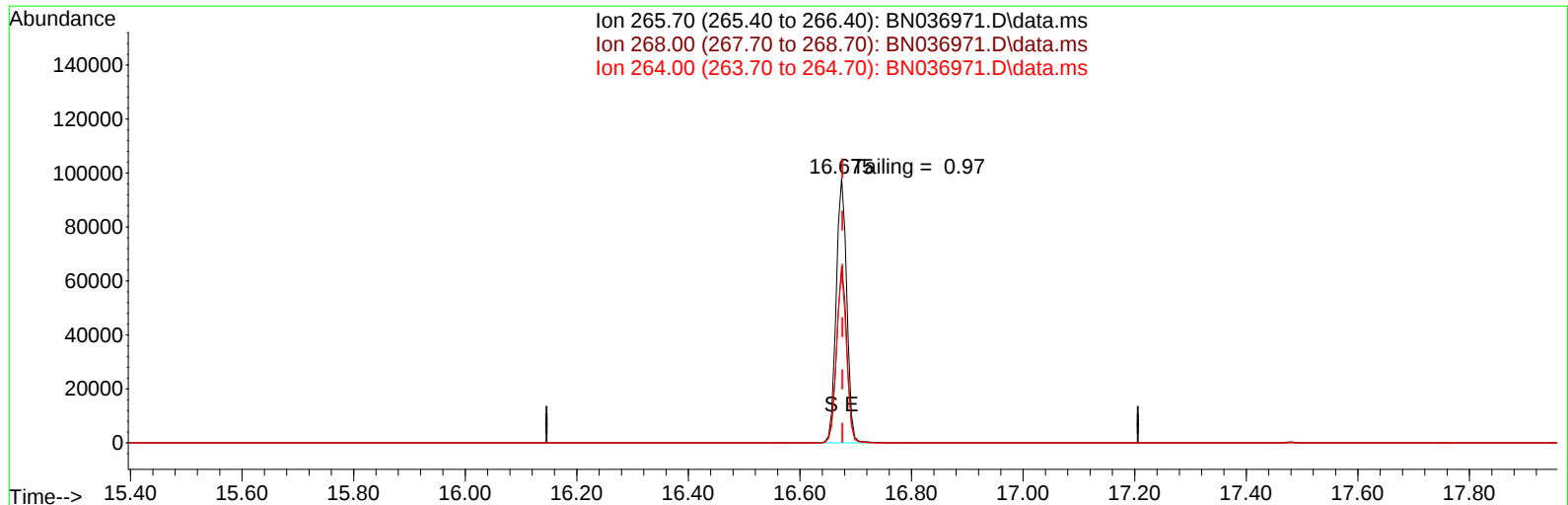
Date	Instrument Name	DFTPP Data File
5/8/2025	BNA_N	<u>BN036971.D</u>
Compound Name	Response	Retention Time
DDT	487037	20.522
DDD	4120	20.133
DDE	63	19.569
SUM(DDD+DDE)	SUM(DDT+DDD+DDE)	% Breakdown Of DDT
4183	491220	0.85

Instrument :
BNA_N
ClientSampleId :
DFTPP

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN050825\
Data File : BN036971.D
Acq On : 08 May 2025 13:49
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
DFTPP

Quant Time: May 08 17:01:58 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270E-Tune.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Apr 11 23:51:57 2025
Response via : Initial Calibration



TIC: BN036971.D\data.ms

(70) Pentachlorophenol (C)

16.675min (-0.001) 17886.24 ng

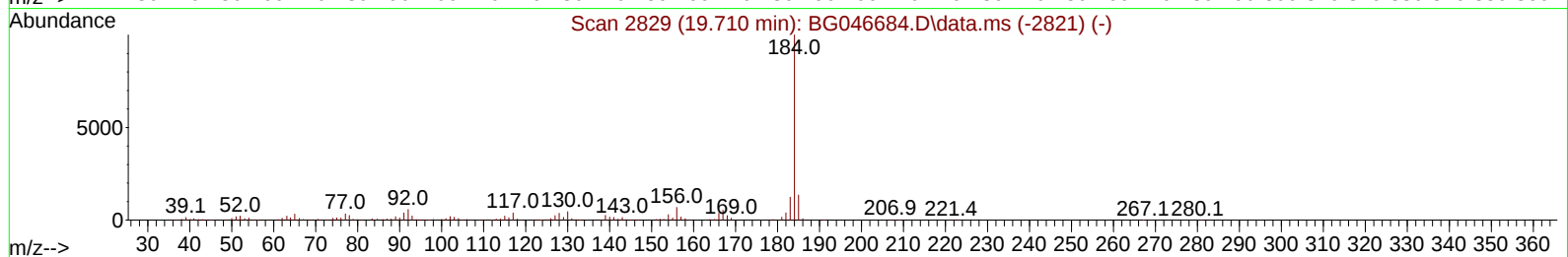
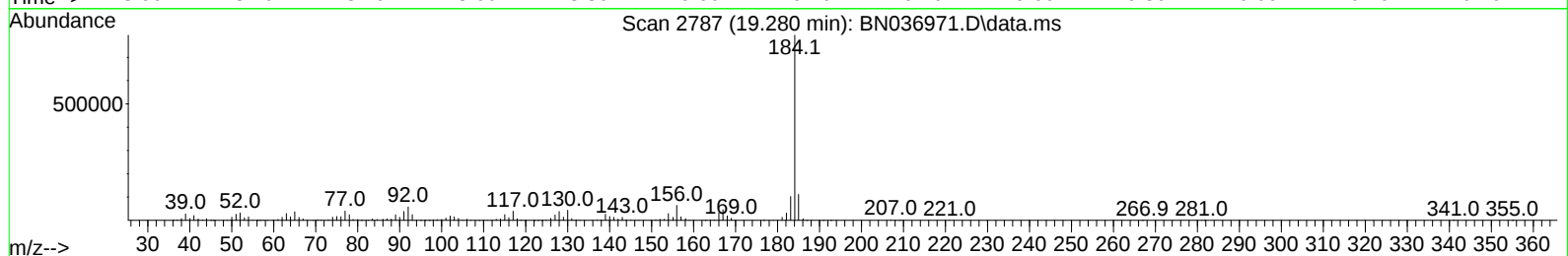
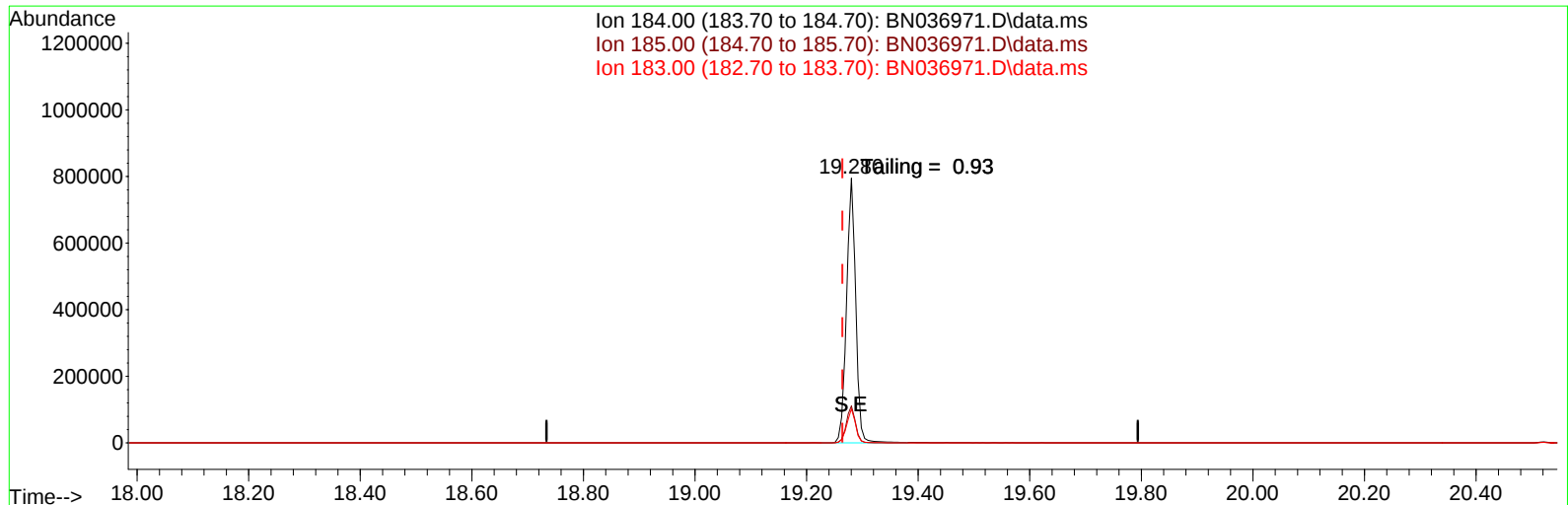
response 128997

Ion	Exp%	Act%
265.70	100.00	100.00
268.00	62.20	66.51
264.00	61.60	65.67
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN050825\
Data File : BN036971.D
Acq On : 08 May 2025 13:49
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
DFTPP

Quant Time: May 08 17:01:58 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270E-Tune.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Apr 11 23:51:57 2025
Response via : Initial Calibration



TIC: BN036971.D\data.ms

(77) Benzidine

19.280min (+ 0.016) 0.00 ng

response 917971

Ion	Exp%	Act%
184.00	100.00	100.00
185.00	15.50	14.00
183.00	13.20	12.91
0.00	0.00	0.00

Report of Analysis

Client:	G Environmental	Date Collected:	
Project:	Amsterdam	Date Received:	
Client Sample ID:	PB167915BL	SDG No.:	Q1939
Lab Sample ID:	PB167915BL	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
BN036973.D	1	05/08/25 10:03	05/08/25 15:04	PB167915

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
123-91-1	1,4-Dioxane	1.60	U	1.60	6.60	ug/Kg
SURROGATES						
7297-45-2	2-Methylnaphthalene-d10	0.32		30 (17) - 150 (161)	79%	SPK: 0.4
93951-69-0	Fluoranthene-d10	0.37		30 (23) - 150 (138)	91%	SPK: 0.4
4165-60-0	Nitrobenzene-d5	0.32		30 (33) - 130 (121)	79%	SPK: 0.4
321-60-8	2-Fluorobiphenyl	0.31		30 (32) - 130 (121)	78%	SPK: 0.4
1718-51-0	Terphenyl-d14	0.32		30 (21) - 130 (130)	80%	SPK: 0.4
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	1580	7.625			
1146-65-2	Naphthalene-d8	3770	10.415			
15067-26-2	Acenaphthene-d10	2030	14.277			
1517-22-2	Phenanthrene-d10	4070	17.021			
1719-03-5	Chrysene-d12	3600	21.215			
1520-96-3	Perylene-d12	3530	23.421			

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN050825\
 Data File : BN036973.D
 Acq On : 08 May 2025 15:04
 Operator : RC/JU
 Sample : PB167915BL
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 PB167915BL

Quant Time: May 08 15:33:27 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN042825.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Apr 28 15:35:03 2025
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.625	152	1580	0.400	ng	0.00
7) Naphthalene-d8	10.415	136	3771	0.400	ng	# 0.00
13) Acenaphthene-d10	14.277	164	2026	0.400	ng	0.00
19) Phenanthrene-d10	17.021	188	4065	0.400	ng	0.00
29) Chrysene-d12	21.215	240	3603	0.400	ng	0.00
35) Perylene-d12	23.421	264	3531	0.400	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.220	112	1378	0.341	ng	0.00
5) Phenol-d6	6.809	99	1504	0.302	ng	0.00
8) Nitrobenzene-d5	8.781	82	1245	0.316	ng	0.00
11) 2-Methylnaphthalene-d10	12.016	152	1668	0.316	ng	0.00
14) 2,4,6-Tribromophenol	15.780	330	206	0.228	ng	0.01
15) 2-Fluorobiphenyl	12.904	172	3042	0.311	ng	0.00
27) Fluoranthene-d10	19.059	212	3843	0.365	ng	0.00
31) Terphenyl-d14	19.663	244	2733	0.321	ng	0.00

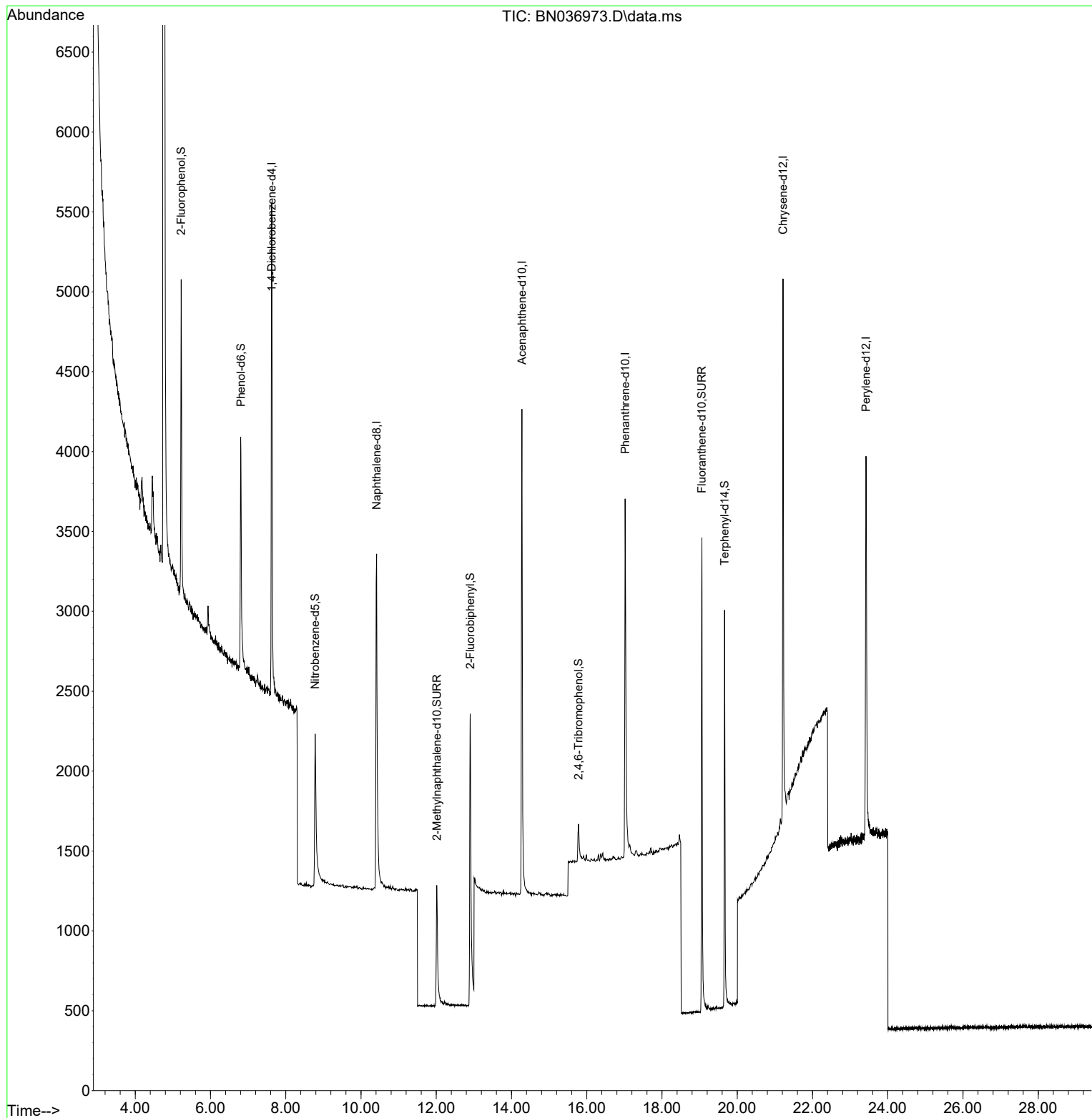
Target Compounds	Qvalue

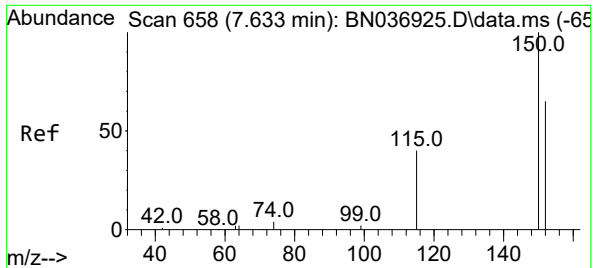
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN050825\
Data File : BN036973.D
Acq On : 08 May 2025 15:04
Operator : RC/JU
Sample : PB167915BL
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
PB167915BL

Quant Time: May 08 15:33:27 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN042825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Apr 28 15:35:03 2025
Response via : Initial Calibration

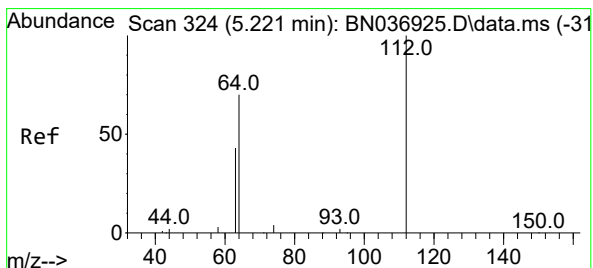
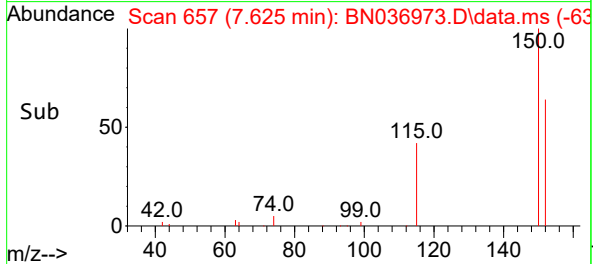
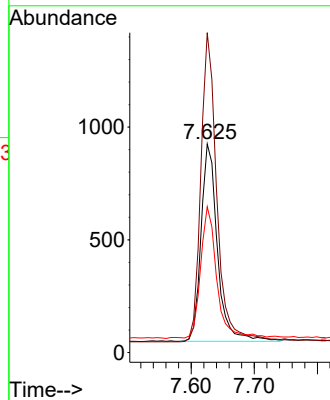
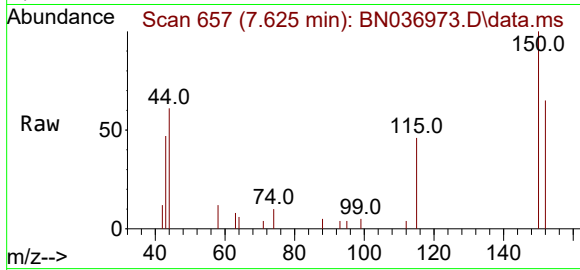




#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.625 min Scan# 61
Delta R.T. -0.008 min
Lab File: BN036973.D
Acq: 08 May 2025 15:04

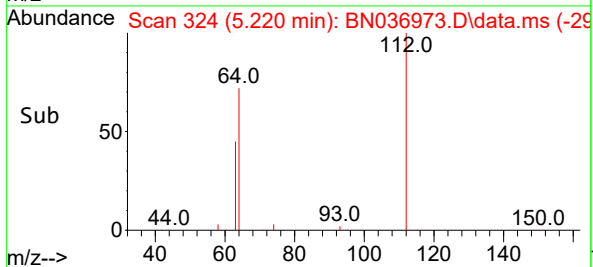
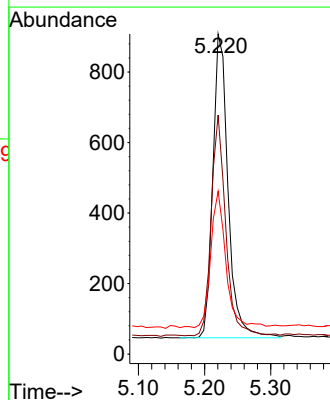
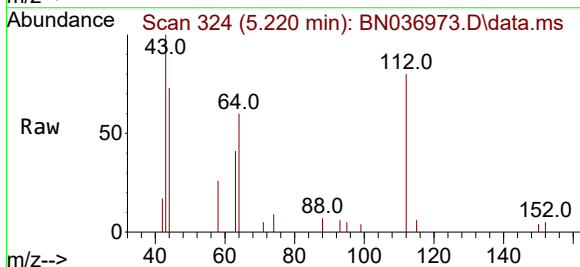
Instrument :
BNA_N
ClientSampleId :
PB167915BL

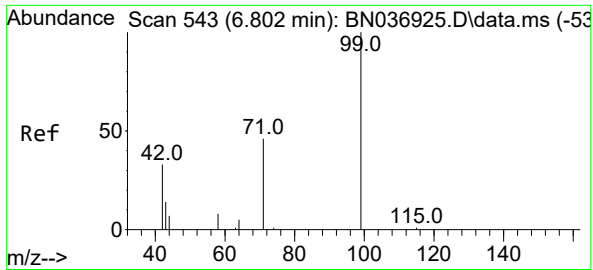
Tgt Ion:152 Resp: 1580
Ion Ratio Lower Upper
152 100
150 153.2 121.1 181.7
115 69.9 51.8 77.6



#4
2-Fluorophenol
Concen: 0.341 ng
RT: 5.220 min Scan# 324
Delta R.T. -0.000 min
Lab File: BN036973.D
Acq: 08 May 2025 15:04

Tgt Ion:112 Resp: 1378
Ion Ratio Lower Upper
112 100
64 69.4 55.7 83.5
63 43.0 33.9 50.9

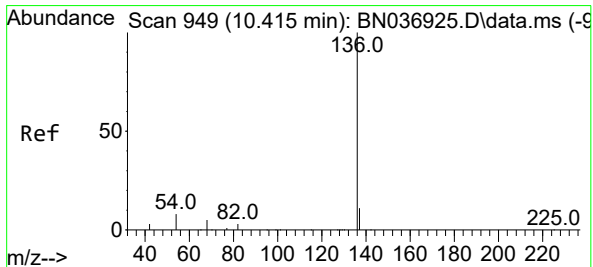
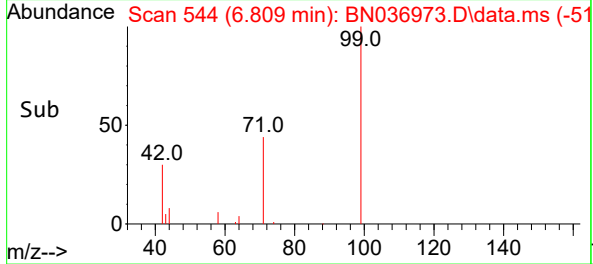
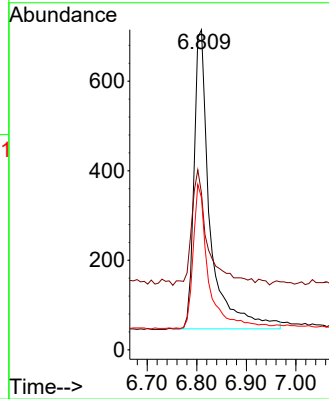
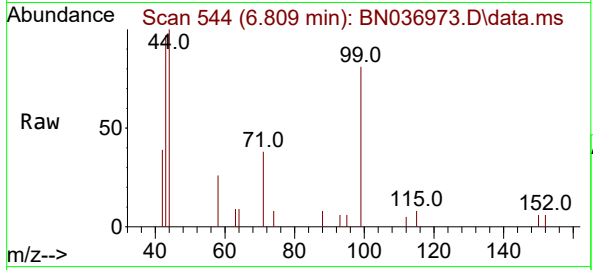




#5
Phenol-d6
Concen: 0.302 ng
RT: 6.809 min Scan# 543
Delta R.T. 0.007 min
Lab File: BN036973.D
Acq: 08 May 2025 15:04

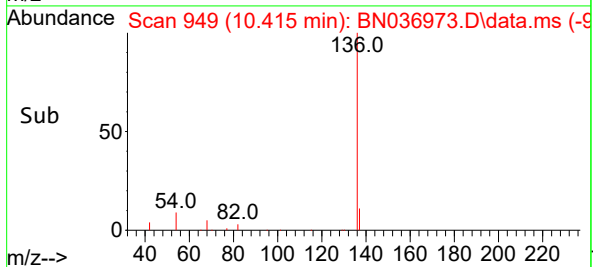
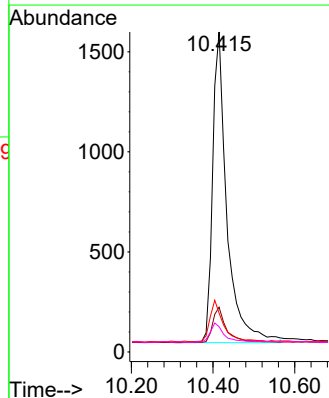
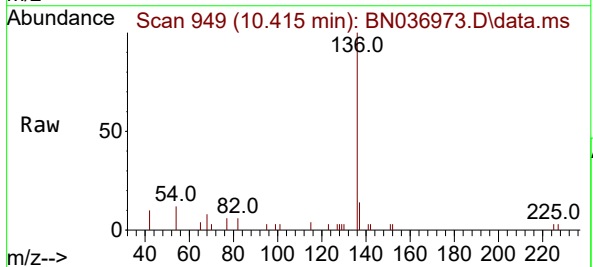
Instrument :
BNA_N
ClientSampleId :
PB167915BL

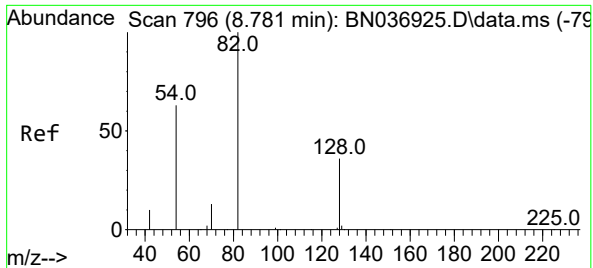
Tgt Ion: 99 Resp: 1504
Ion Ratio Lower Upper
99 100
42 39.2 29.6 44.4
71 45.9 36.0 54.0



#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.415 min Scan# 949
Delta R.T. -0.000 min
Lab File: BN036973.D
Acq: 08 May 2025 15:04

Tgt Ion: 136 Resp: 3771
Ion Ratio Lower Upper
136 100
137 14.0 9.7 14.5
54 12.1 8.0 12.0#
68 7.9 5.1 7.7#

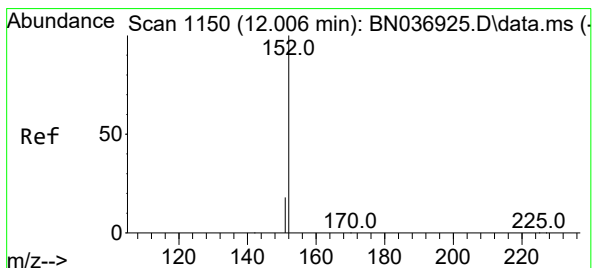
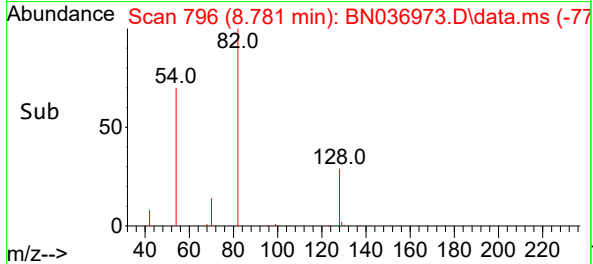
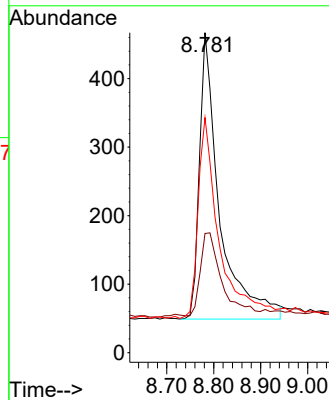
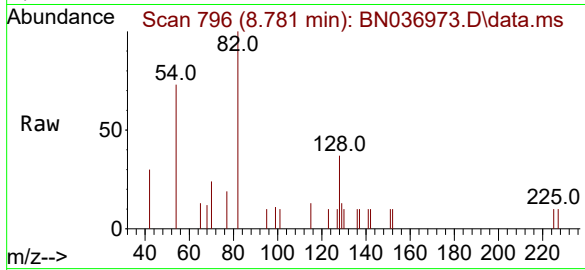




#8
Nitrobenzene-d5
Concen: 0.316 ng
RT: 8.781 min Scan# 796
Delta R.T. -0.000 min
Lab File: BN036973.D
Acq: 08 May 2025 15:04

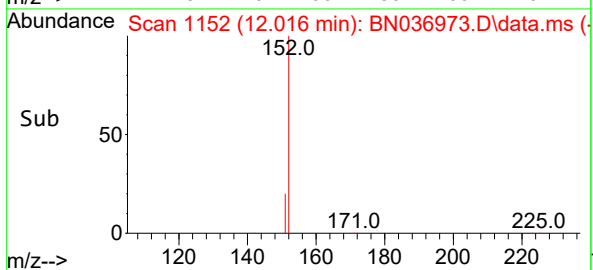
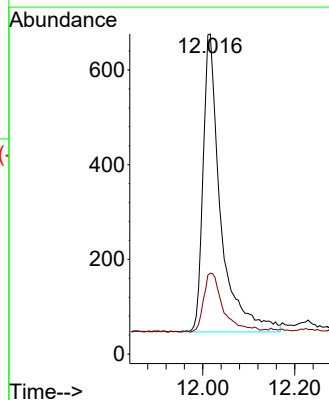
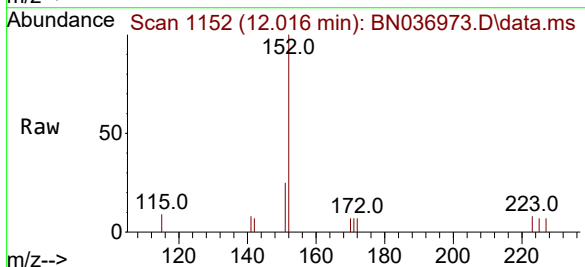
Instrument :
BNA_N
ClientSampleId :
PB167915BL

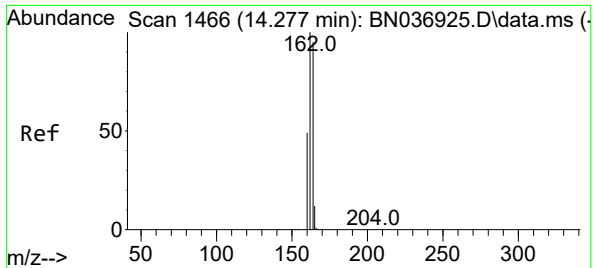
Tgt Ion: 82 Resp: 1245
Ion Ratio Lower Upper
82 100
128 37.3 30.7 46.1
54 73.4 52.1 78.1



#11
2-Methylnaphthalene-d10
Concen: 0.316 ng
RT: 12.016 min Scan# 1152
Delta R.T. 0.010 min
Lab File: BN036973.D
Acq: 08 May 2025 15:04

Tgt Ion: 152 Resp: 1668
Ion Ratio Lower Upper
152 100
151 21.8 16.9 25.3

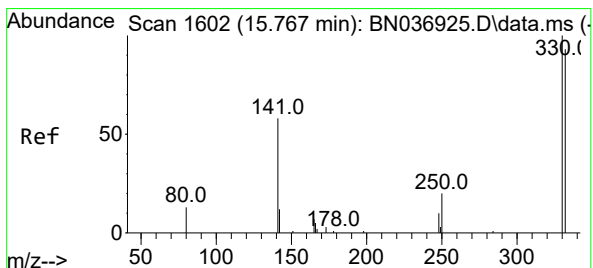
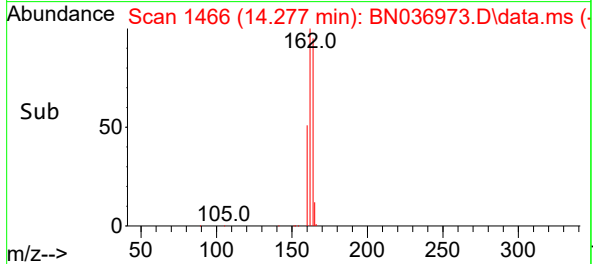
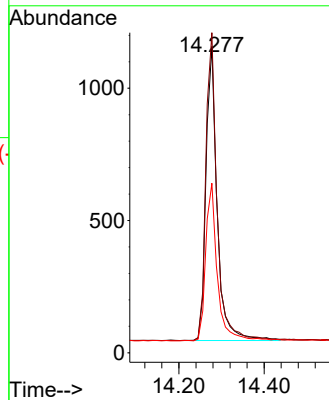
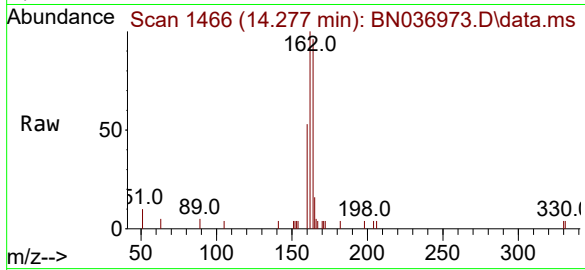




#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.277 min Scan# 14
Delta R.T. -0.000 min
Lab File: BN036973.D
Acq: 08 May 2025 15:04

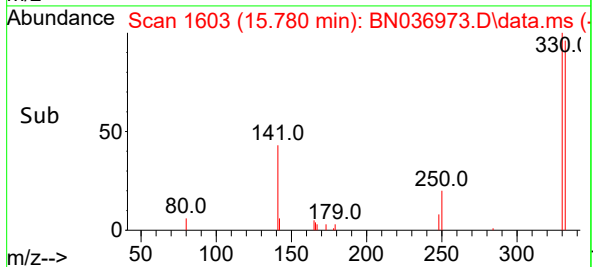
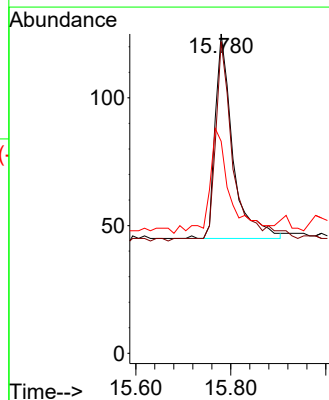
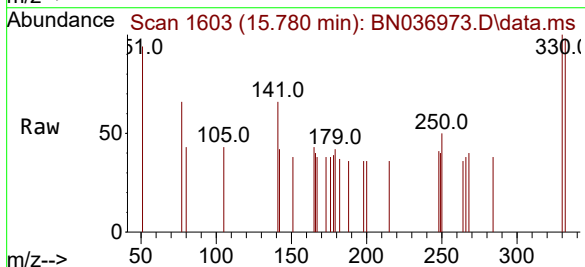
Instrument :
BNA_N
ClientSampleId :
PB167915BL

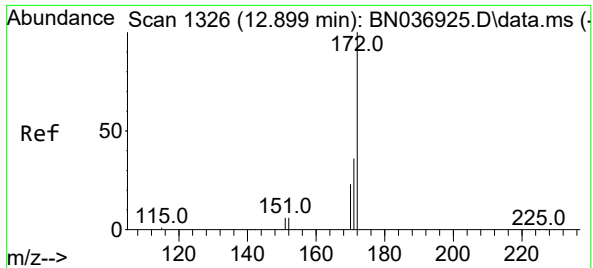
Tgt Ion:164 Resp: 2026
Ion Ratio Lower Upper
164 100
162 104.5 83.8 125.8
160 55.4 42.0 63.0



#14
2,4,6-Tribromophenol
Concen: 0.228 ng
RT: 15.780 min Scan# 1603
Delta R.T. 0.012 min
Lab File: BN036973.D
Acq: 08 May 2025 15:04

Tgt Ion:330 Resp: 206
Ion Ratio Lower Upper
330 100
332 92.2 76.3 114.5
141 59.2 45.4 68.2

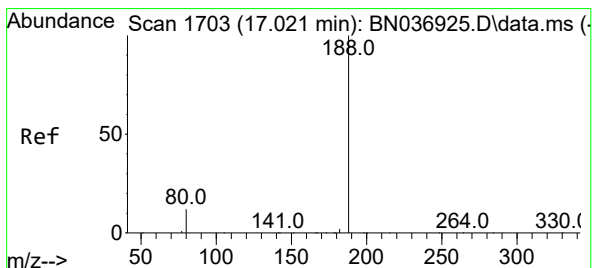
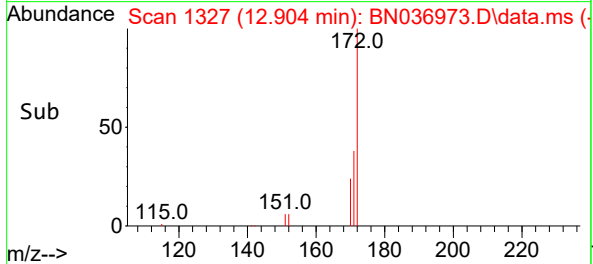
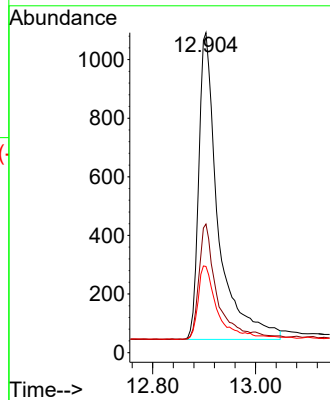
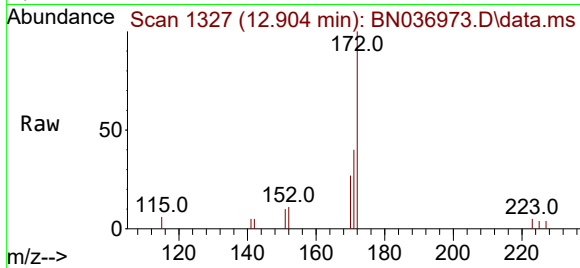




#15
2-Fluorobiphenyl
Concen: 0.311 ng
RT: 12.904 min Scan# 11
Delta R.T. 0.005 min
Lab File: BN036973.D
Acq: 08 May 2025 15:04

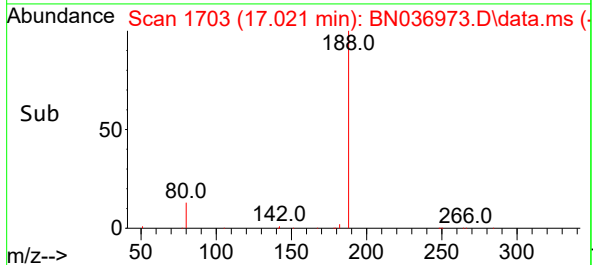
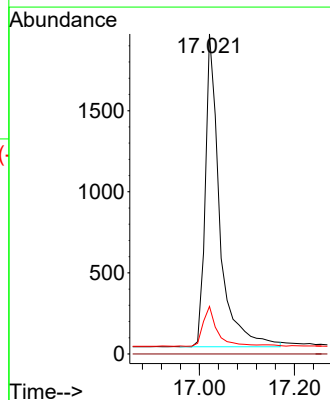
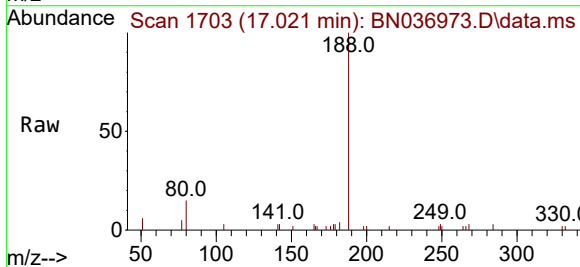
Instrument :
BNA_N
ClientSampleId :
PB167915BL

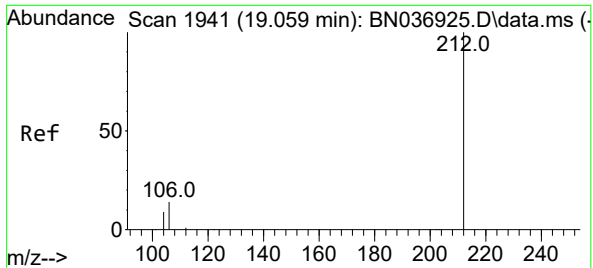
Tgt Ion:172 Resp: 3042
Ion Ratio Lower Upper
172 100
171 40.2 29.4 44.0
170 26.9 19.4 29.0



#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.021 min Scan# 1703
Delta R.T. -0.000 min
Lab File: BN036973.D
Acq: 08 May 2025 15:04

Tgt Ion:188 Resp: 4065
Ion Ratio Lower Upper
188 100
94 0.0 0.0 0.0
80 14.9 10.7 16.1





#27

Fluoranthene-d10

Concen: 0.365 ng

RT: 19.059 min Scan# 1941

Delta R.T. -0.000 min

Lab File: BN036973.D

Acq: 08 May 2025 15:04

Instrument :

BNA_N

ClientSampleId :

PB167915BL

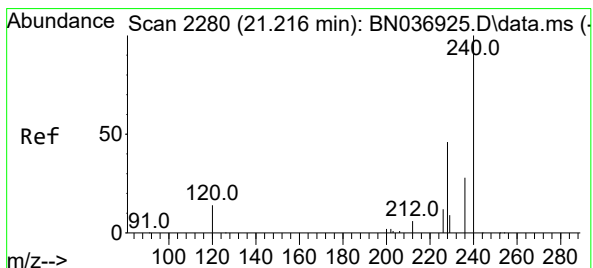
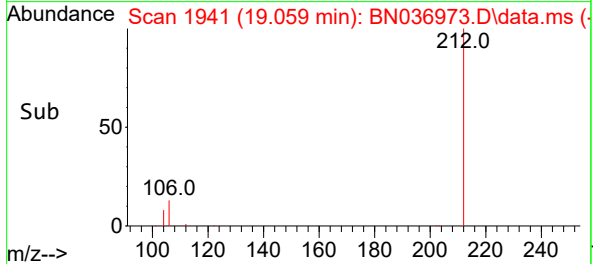
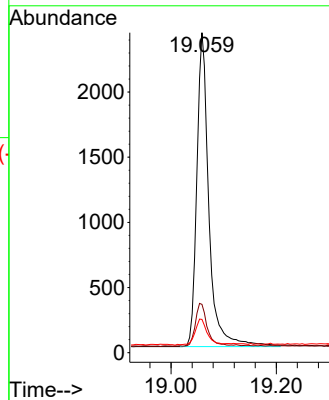
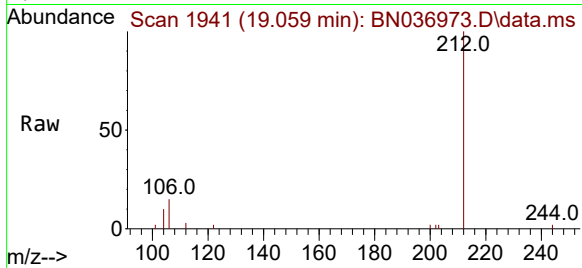
Tgt Ion:212 Resp: 3843

Ion Ratio Lower Upper

212 100

106 13.2 11.6 17.4

104 8.4 7.0 10.4



#29

Chrysene-d12

Concen: 0.400 ng

RT: 21.215 min Scan# 2280

Delta R.T. -0.000 min

Lab File: BN036973.D

Acq: 08 May 2025 15:04

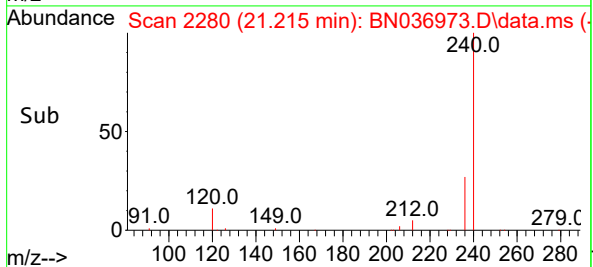
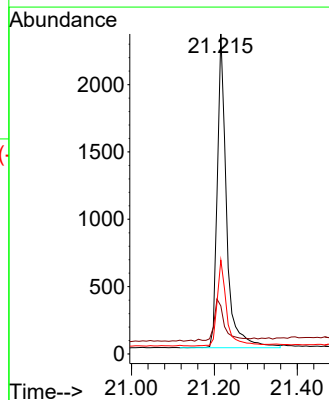
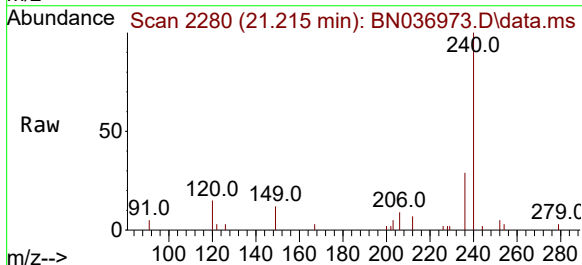
Tgt Ion:240 Resp: 3603

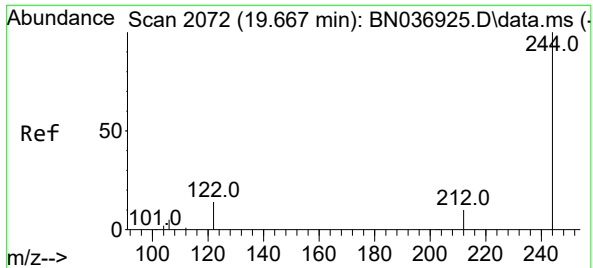
Ion Ratio Lower Upper

240 100

120 15.0 14.1 21.1

236 29.4 23.8 35.8

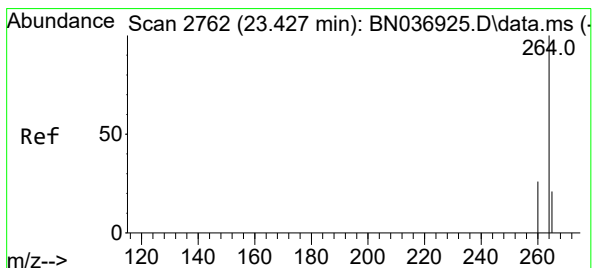
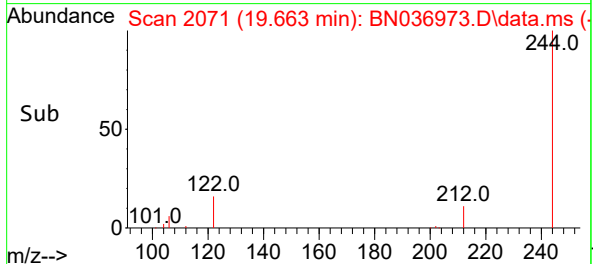
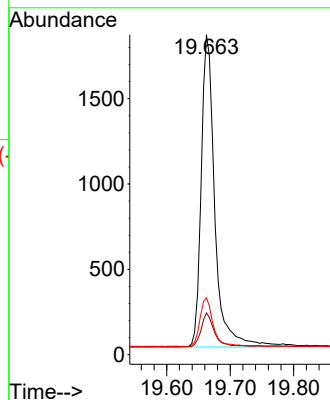
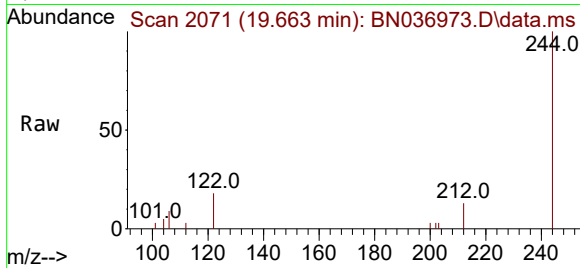




#31
Terphenyl-d14
Concen: 0.321 ng
RT: 19.663 min Scan# 2071
Delta R.T. -0.005 min
Lab File: BN036973.D
Acq: 08 May 2025 15:04

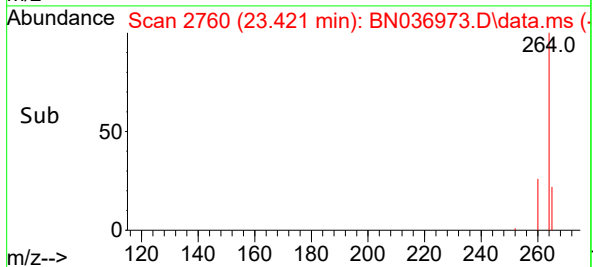
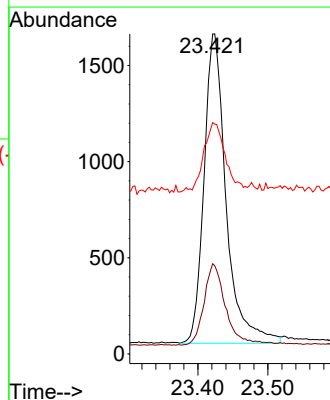
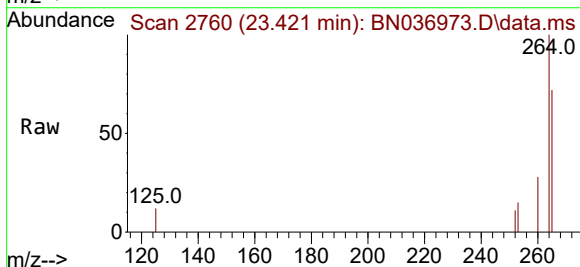
Instrument :
BNA_N
ClientSampleId :
PB167915BL

Tgt Ion:244 Resp: 2733
Ion Ratio Lower Upper
244 100
212 13.1 9.6 14.4
122 17.8 12.7 19.1



#35
Perylene-d12
Concen: 0.400 ng
RT: 23.421 min Scan# 2760
Delta R.T. -0.006 min
Lab File: BN036973.D
Acq: 08 May 2025 15:04

Tgt Ion:264 Resp: 3531
Ion Ratio Lower Upper
264 100
260 28.2 22.2 33.2
265 72.3 65.8 98.6



Report of Analysis

Client:	G Environmental	Date Collected:	
Project:	Amsterdam	Date Received:	
Client Sample ID:	PB167915BS	SDG No.:	Q1939
Lab Sample ID:	PB167915BS	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
BN036979.D	1	05/08/25 10:03	05/08/25 18:41	PB167915

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
123-91-1	1,4-Dioxane	10.0		1.60	6.60	ug/Kg
SURROGATES						
7297-45-2	2-Methylnaphthalene-d10	0.51		30 (17) - 150 (161)	127%	SPK: 0.4
93951-69-0	Fluoranthene-d10	0.36		30 (23) - 150 (138)	90%	SPK: 0.4
4165-60-0	Nitrobenzene-d5	0.35		30 (33) - 130 (121)	88%	SPK: 0.4
321-60-8	2-Fluorobiphenyl	0.35		30 (32) - 130 (121)	88%	SPK: 0.4
1718-51-0	Terphenyl-d14	0.36		30 (21) - 130 (130)	90%	SPK: 0.4
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	2490	7.626			
1146-65-2	Naphthalene-d8	6670	10.404			
15067-26-2	Acenaphthene-d10	3770	14.277			
1517-22-2	Phenanthrene-d10	7640	17.021			
1719-03-5	Chrysene-d12	6260	21.216			
1520-96-3	Perylene-d12	5500	23.421			

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN050825\
 Data File : BN036979.D
 Acq On : 08 May 2025 18:41
 Operator : RC/JU
 Sample : PB167915BS
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 PB167915BS

Quant Time: May 09 09:34:43 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN042825.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Apr 28 15:35:03 2025
 Response via : Initial Calibration

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

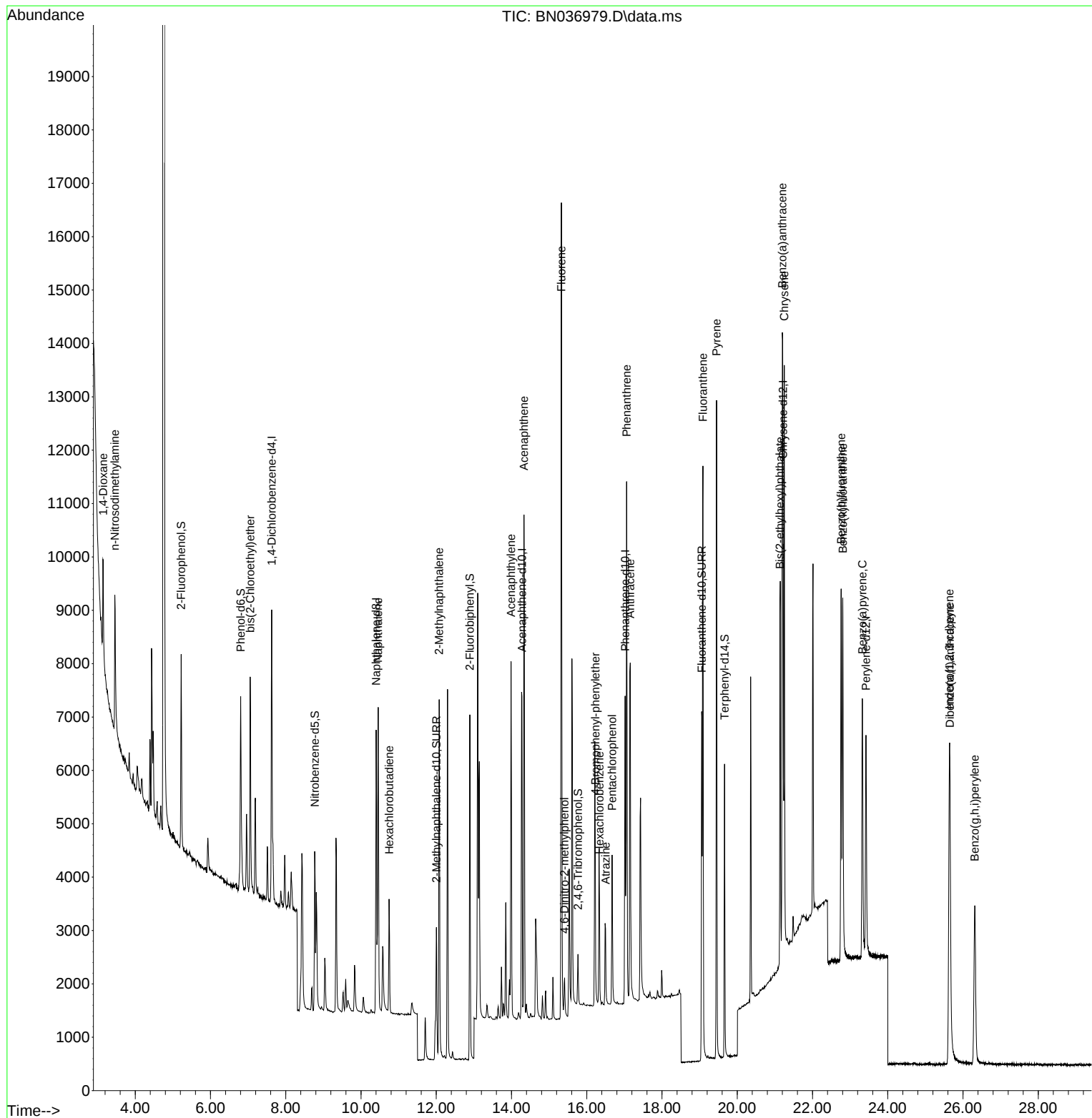
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.626	152	2493	0.400	ng	0.00
7) Naphthalene-d8	10.404	136	6667	0.400	ng	#-0.01
13) Acenaphthene-d10	14.277	164	3772	0.400	ng	0.00
19) Phenanthrene-d10	17.021	188	7644	0.400	ng	# 0.00
29) Chrysene-d12	21.216	240	6261	0.400	ng	# 0.00
35) Perylene-d12	23.421	264	5504	0.400	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.221	112	2481	0.389	ng	0.00
5) Phenol-d6	6.802	99	3035	0.387	ng	0.00
8) Nitrobenzene-d5	8.771	82	2475	0.355	ng	-0.01
11) 2-Methylnaphthalene-d10	12.006	152	4778	0.512	ng	0.00
14) 2,4,6-Tribromophenol	15.767	330	486	0.289	ng	0.00
15) 2-Fluorobiphenyl	12.894	172	6443	0.353	ng	0.00
27) Fluoranthene-d10	19.059	212	7228	0.365	ng	0.00
31) Terphenyl-d14	19.663	244	5366	0.363	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.148	88	930	0.299	ng	# 28
3) n-Nitrosodimethylamine	3.458	42	2150	0.357	ng	# 94
6) bis(2-Chloroethyl)ether	7.055	93	2923	0.402	ng	99
9) Naphthalene	10.458	128	7408	0.382	ng	100
10) Hexachlorobutadiene	10.746	225	1609	0.383	ng	# 99
12) 2-Methylnaphthalene	12.077	142	4900	0.391	ng	98
16) Acenaphthylene	13.989	152	7034	0.382	ng	100
17) Acenaphthene	14.331	154	4460	0.368	ng	98
18) Fluorene	15.325	166	5786	0.365	ng	100
20) 4,6-Dinitro-2-methylph...	15.411	198	543	0.268	ng	# 80
21) 4-Bromophenyl-phenylether	16.227	248	1776	0.348	ng	94
22) Hexachlorobenzene	16.338	284	2033	0.364	ng	96
23) Atrazine	16.500	200	1563	0.380	ng	98
24) Pentachlorophenol	16.674	266	1278	0.426	ng	98
25) Phenanthrene	17.058	178	9379	0.372	ng	100
26) Anthracene	17.158	178	8525	0.374	ng	99
28) Fluoranthene	19.087	202	10334	0.365	ng	99
30) Pyrene	19.449	202	10737	0.356	ng	100
32) Benzo(a)anthracene	21.198	228	8967	0.389	ng	99
33) Chrysene	21.251	228	9711	0.391	ng	98
34) Bis(2-ethylhexyl)phtha...	21.135	149	5348	0.408	ng	100
36) Indeno(1,2,3-cd)pyrene	25.637	276	7939	0.353	ng	100
37) Benzo(b)fluoranthene	22.760	252	8326	0.360	ng	99
38) Benzo(k)fluoranthene	22.804	252	8759	0.376	ng	99
39) Benzo(a)pyrene	23.325	252	7401	0.389	ng	97
40) Dibenzo(a,h)anthracene	25.652	278	6108	0.345	ng	99
41) Benzo(g,h,i)perylene	26.313	276	6141	0.313	ng	98

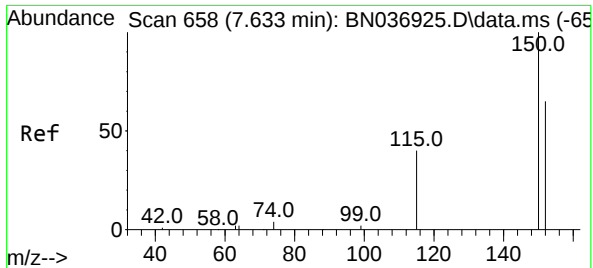
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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 Acq On : 08 May 2025 18:41
 Operator : RC/JU
 Sample : PB167915BS
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 PB167915BS

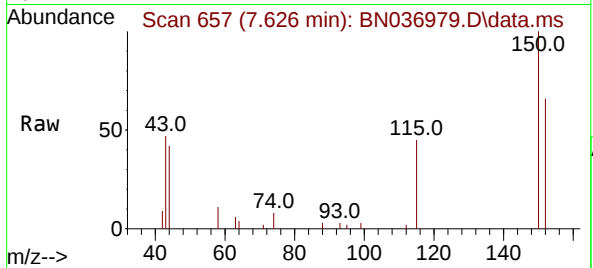
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 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Apr 28 15:35:03 2025
 Response via : Initial Calibration



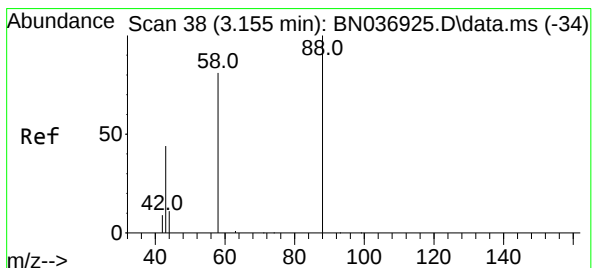
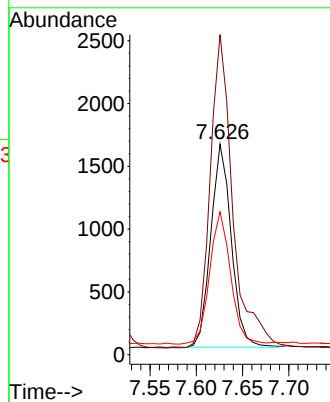
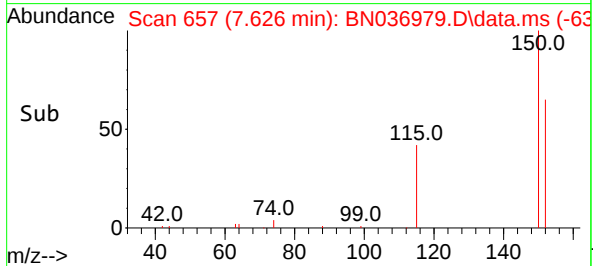


#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.626 min Scan# 61
Delta R.T. -0.007 min
Lab File: BN036979.D
Acq: 08 May 2025 18:41

Instrument :
BNA_N
ClientSampleId :
PB167915BS

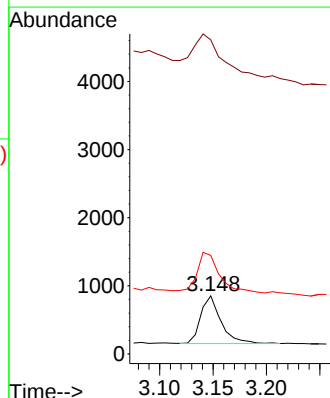
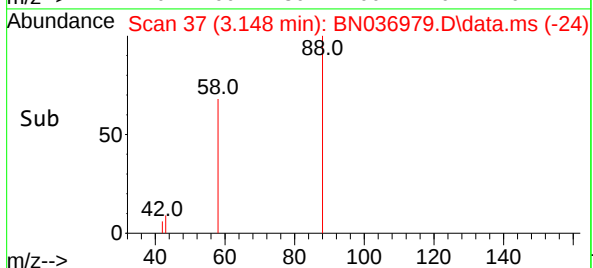
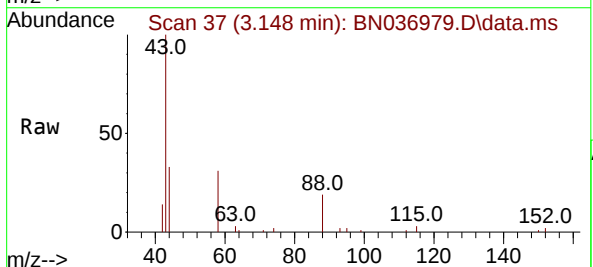


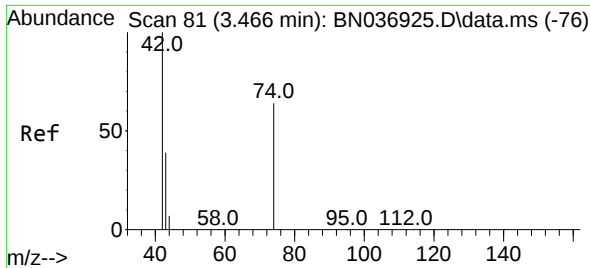
Tgt Ion:152 Resp: 2493
Ion Ratio Lower Upper
152 100
150 152.1 121.1 181.7
115 67.9 51.8 77.6



#2
1,4-Dioxane
Concen: 0.299 ng
RT: 3.148 min Scan# 37
Delta R.T. -0.007 min
Lab File: BN036979.D
Acq: 08 May 2025 18:41

Tgt Ion: 88 Resp: 930
Ion Ratio Lower Upper
88 100
43 155.3 37.9 56.9#
58 101.4 65.8 98.6#

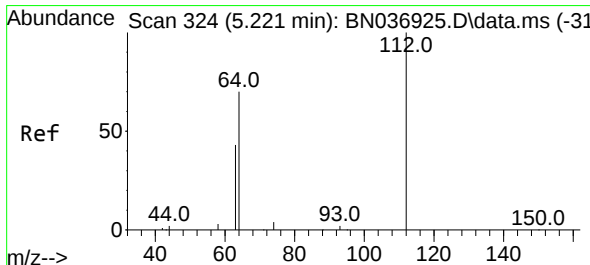
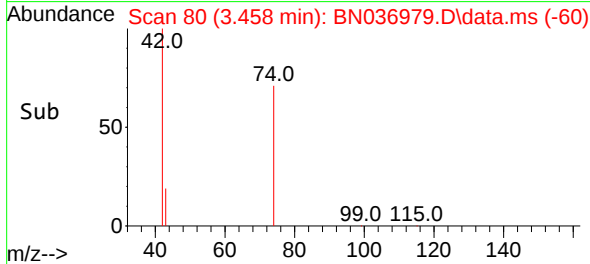
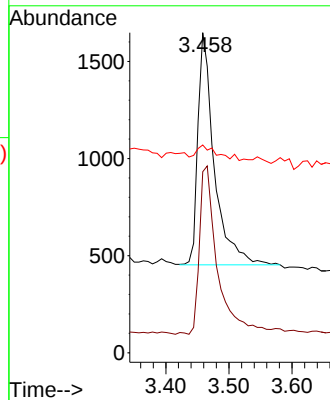
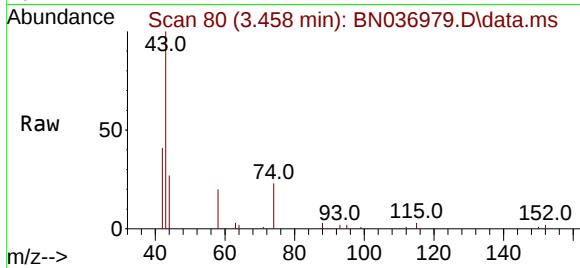




#3
n-Nitrosodimethylamine
Concen: 0.357 ng
RT: 3.458 min Scan# 80
Delta R.T. -0.007 min
Lab File: BN036979.D
Acq: 08 May 2025 18:41

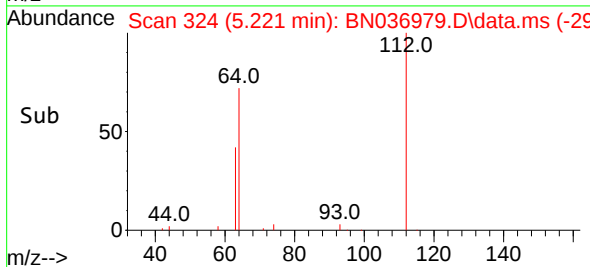
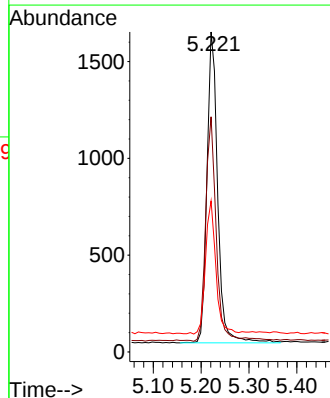
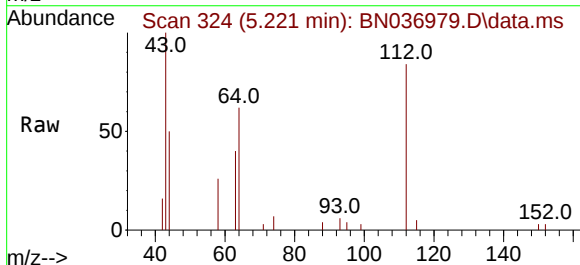
Instrument :
BNA_N
ClientSampleId :
PB167915BS

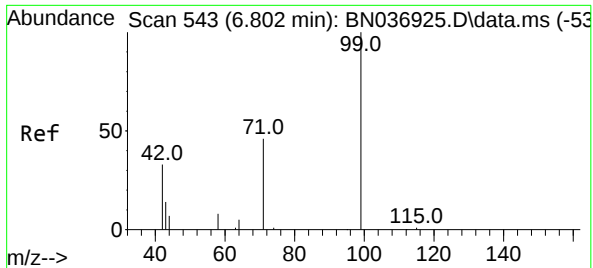
Tgt Ion: 42 Resp: 2150
Ion Ratio Lower Upper
42 100
74 80.4 59.9 89.9
44 7.4 7.5 11.3#



#4
2-Fluorophenol
Concen: 0.389 ng
RT: 5.221 min Scan# 324
Delta R.T. 0.000 min
Lab File: BN036979.D
Acq: 08 May 2025 18:41

Tgt Ion: 112 Resp: 2481
Ion Ratio Lower Upper
112 100
64 70.1 55.7 83.5
63 41.3 33.9 50.9

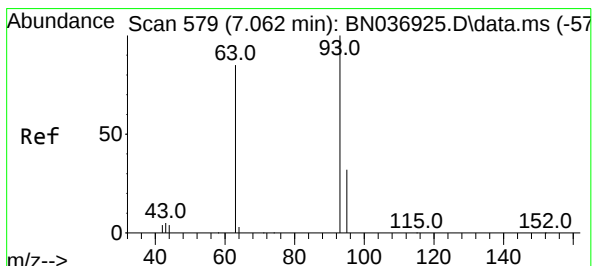
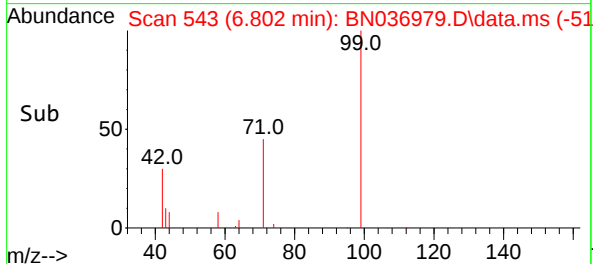
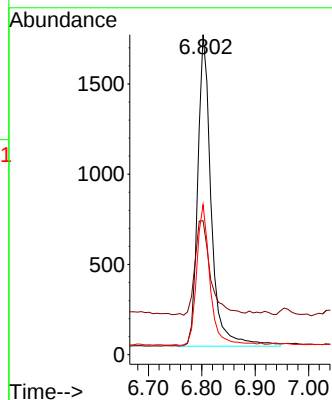
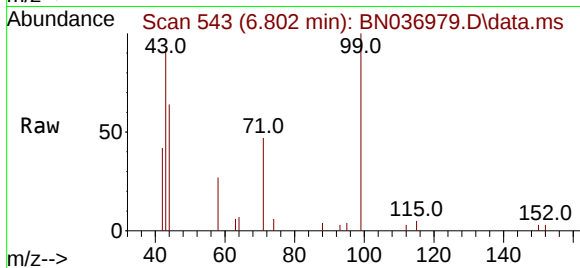




#5
Phenol-d6
Concen: 0.387 ng
RT: 6.802 min Scan# 54
Delta R.T. 0.000 min
Lab File: BN036979.D
Acq: 08 May 2025 18:41

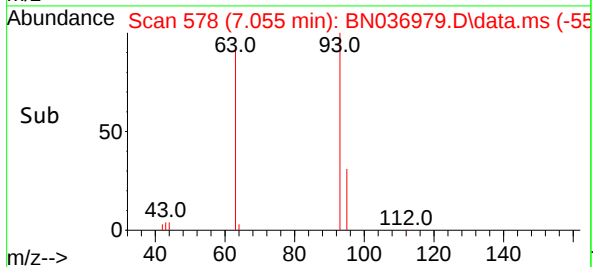
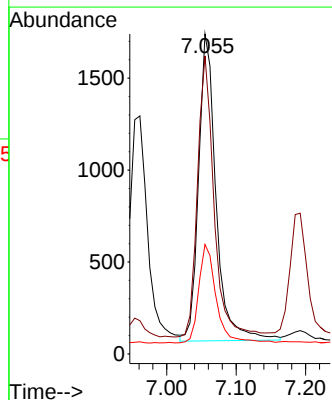
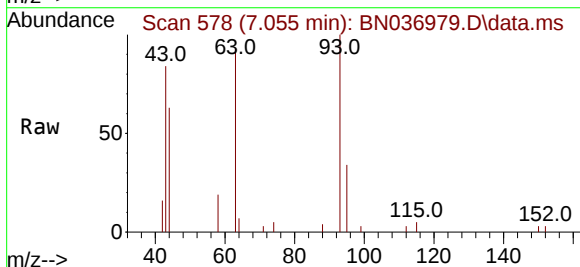
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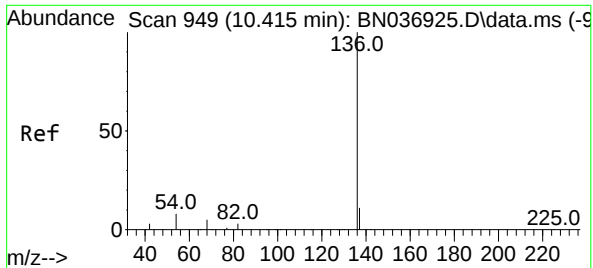
Tgt Ion	Ratio	Lower	Upper
99	100		
42	33.8	29.6	44.4
71	44.5	36.0	54.0



#6
bis(2-Chloroethyl)ether
Concen: 0.402 ng
RT: 7.055 min Scan# 578
Delta R.T. -0.007 min
Lab File: BN036979.D
Acq: 08 May 2025 18:41

Tgt Ion	Ratio	Lower	Upper
93	100		
63	86.8	69.0	103.6
95	32.0	25.4	38.0

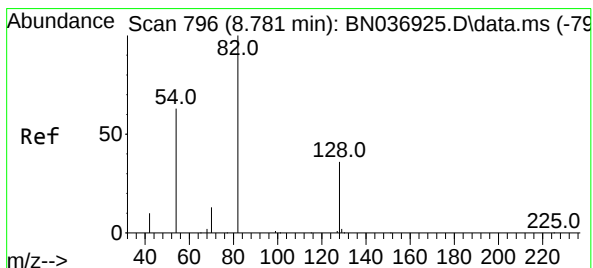
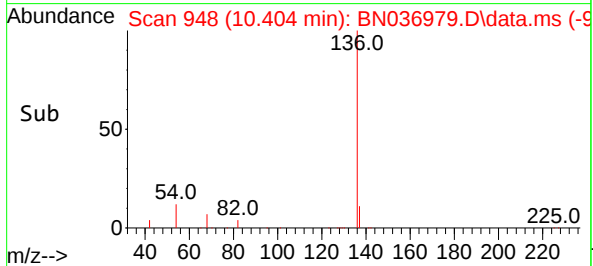
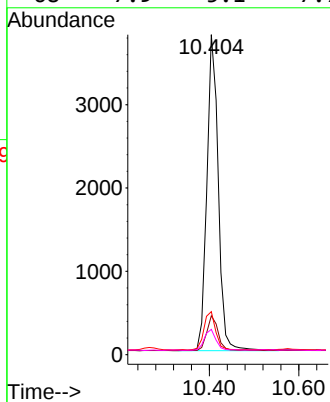
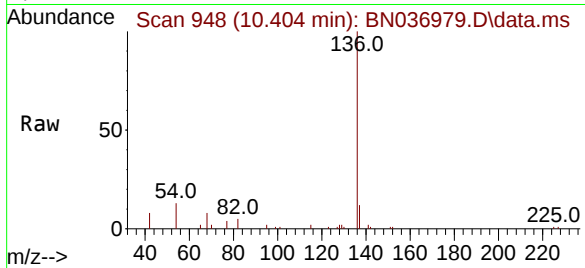




#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.404 min Scan# 949
Delta R.T. -0.011 min
Lab File: BN036979.D
Acq: 08 May 2025 18:41

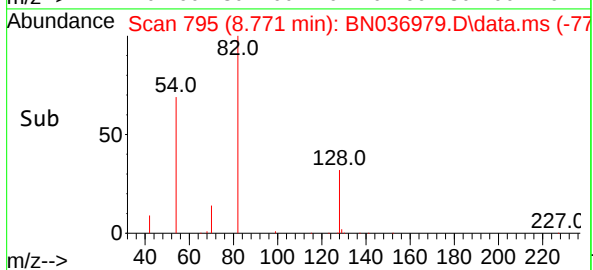
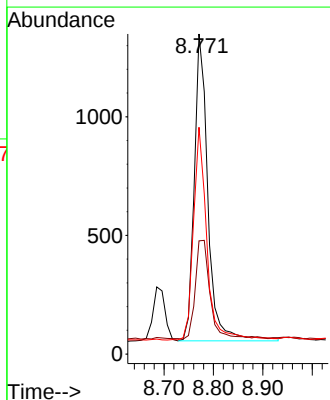
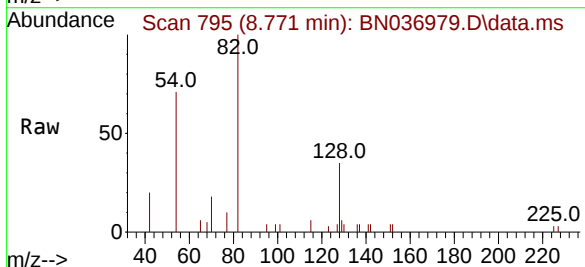
Instrument :
BNA_N
ClientSampleId :
PB167915BS

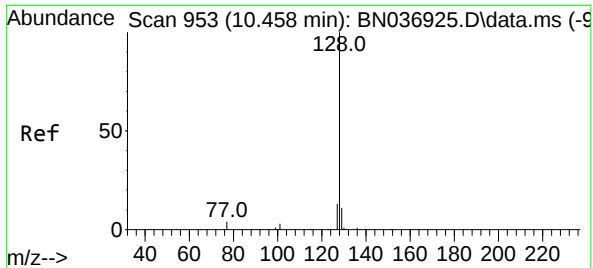
Tgt Ion:	136	Resp:	6667
Ion	Ratio	Lower	Upper
136	100		
137	12.2	9.7	14.5
54	13.4	8.0	12.0#
68	7.9	5.1	7.7#



#8
Nitrobenzene-d5
Concen: 0.355 ng
RT: 8.771 min Scan# 795
Delta R.T. -0.011 min
Lab File: BN036979.D
Acq: 08 May 2025 18:41

Tgt Ion:	82	Resp:	2475
Ion	Ratio	Lower	Upper
82	100		
128	35.4	30.7	46.1
54	70.9	52.1	78.1

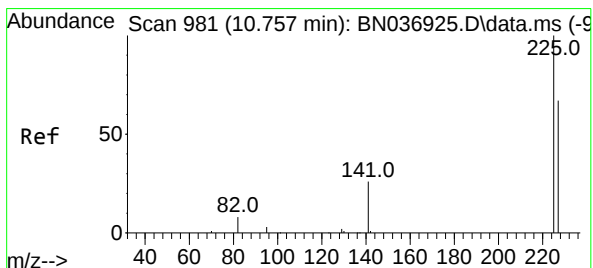
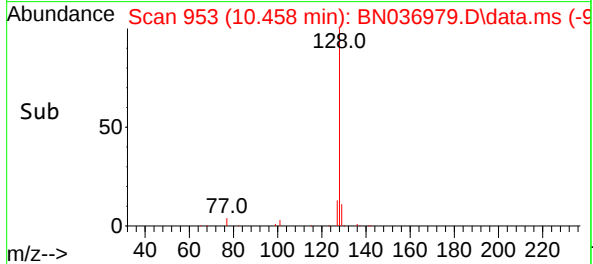
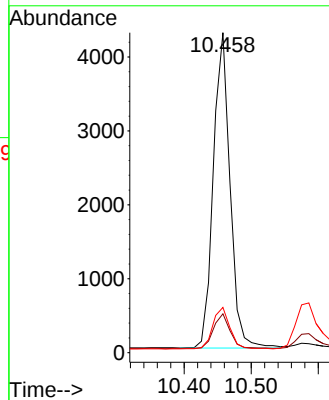
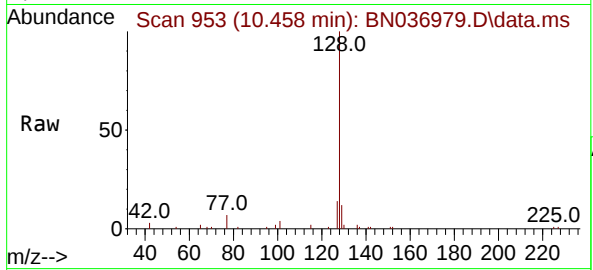




#9
Naphthalene
Concen: 0.382 ng
RT: 10.458 min Scan# 91
Delta R.T. 0.000 min
Lab File: BN036979.D
Acq: 08 May 2025 18:41

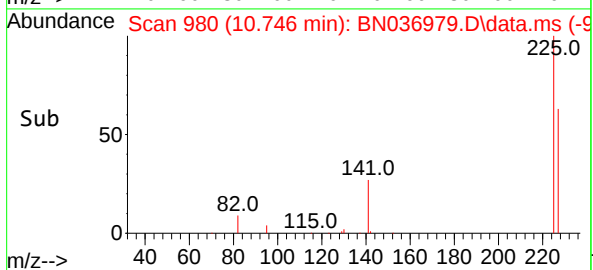
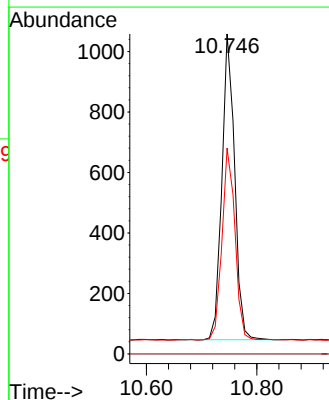
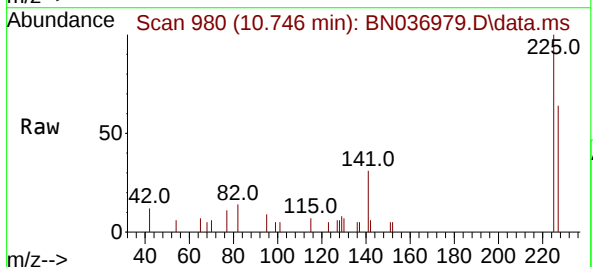
Instrument :
BNA_N
ClientSampleId :
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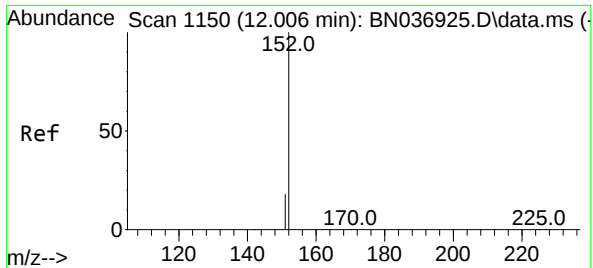
Tgt Ion:128 Resp: 7408
Ion Ratio Lower Upper
128 100
129 12.1 9.8 14.6
127 14.1 11.4 17.2



#10
Hexachlorobutadiene
Concen: 0.383 ng
RT: 10.746 min Scan# 980
Delta R.T. -0.011 min
Lab File: BN036979.D
Acq: 08 May 2025 18:41

Tgt Ion:225 Resp: 1609
Ion Ratio Lower Upper
225 100
223 0.0 0.0 0.0
227 64.3 52.2 78.4

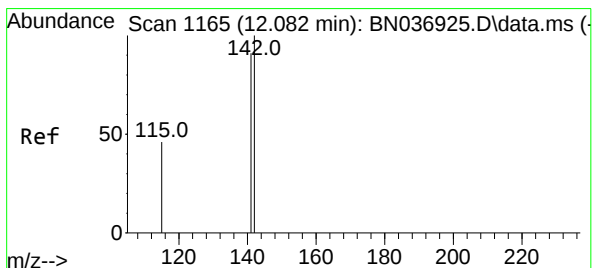
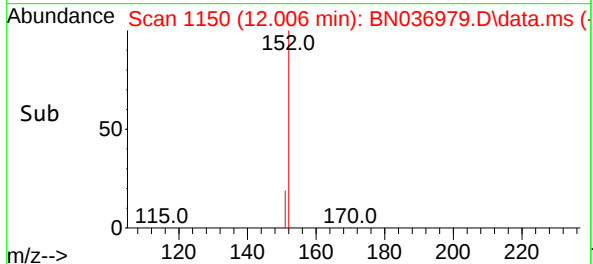
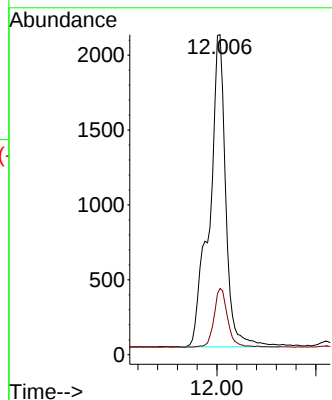
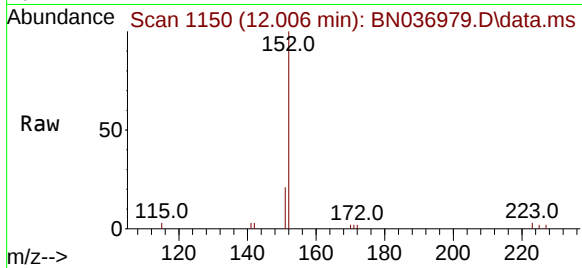




#11
2-Methylnaphthalene-d10
Concen: 0.512 ng
RT: 12.006 min Scan# 1150
Delta R.T. 0.000 min
Lab File: BN036979.D
Acq: 08 May 2025 18:41

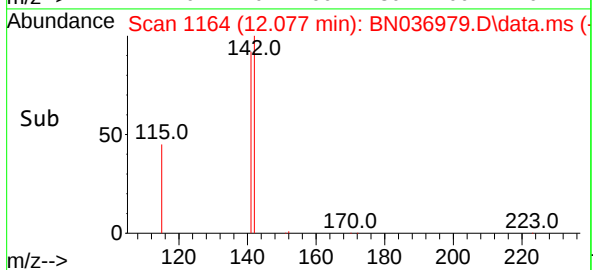
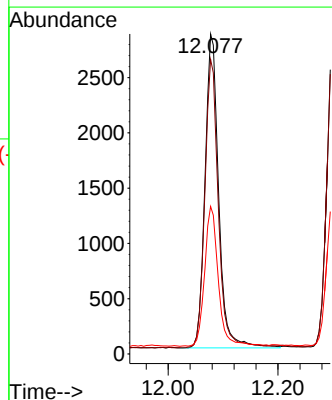
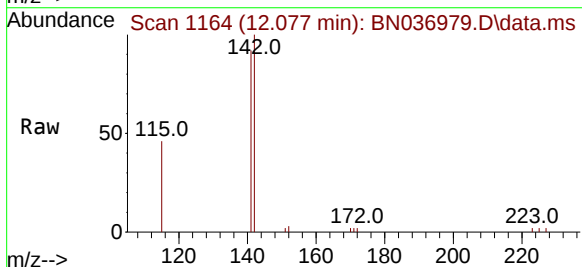
Instrument :
BNA_N
ClientSampleId :
PB167915BS

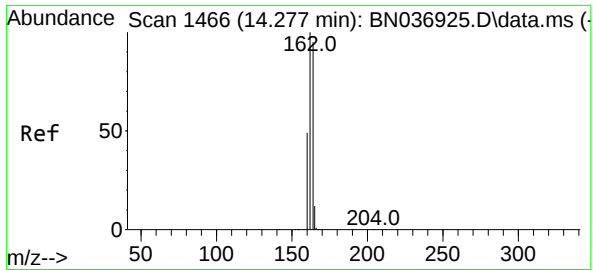
Tgt Ion:152 Resp: 4778
Ion Ratio Lower Upper
152 100
151 15.8 16.9 25.3#



#12
2-Methylnaphthalene
Concen: 0.391 ng
RT: 12.077 min Scan# 1164
Delta R.T. -0.005 min
Lab File: BN036979.D
Acq: 08 May 2025 18:41

Tgt Ion:142 Resp: 4900
Ion Ratio Lower Upper
142 100
141 92.1 72.8 109.2
115 46.1 38.2 57.4

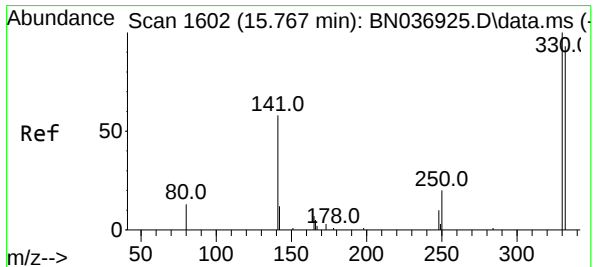
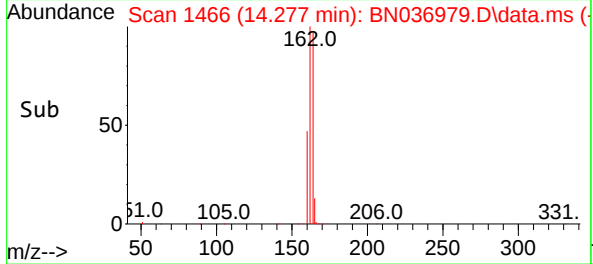
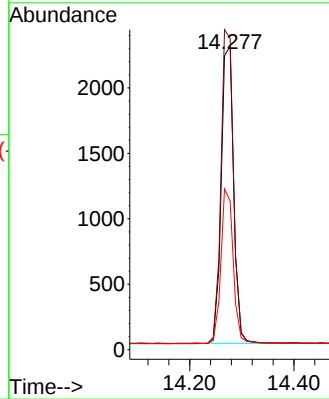
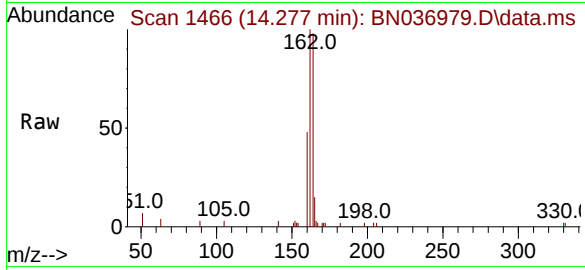




#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.277 min Scan# 1466
Delta R.T. 0.000 min
Lab File: BN036979.D
Acq: 08 May 2025 18:41

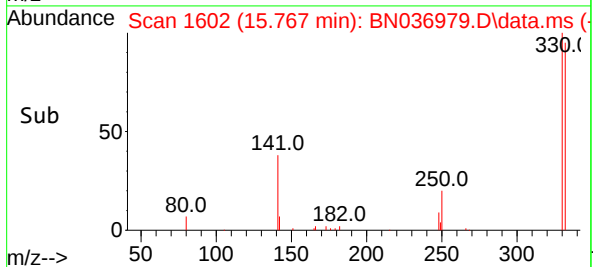
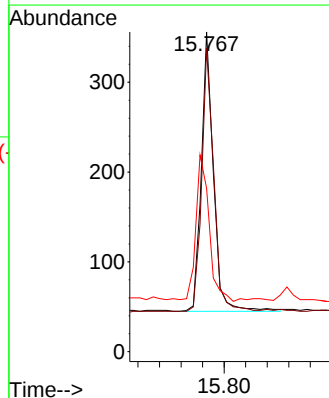
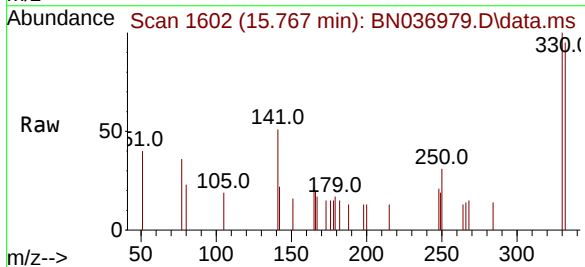
Instrument :
BNA_N
ClientSampleId :
PB167915BS

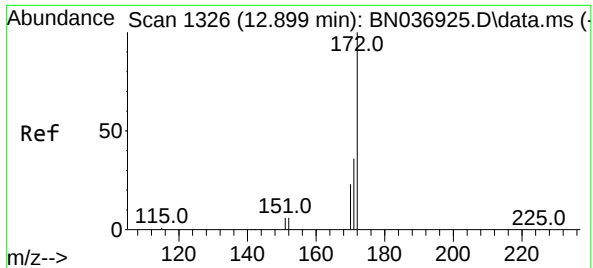
Tgt Ion:164 Resp: 3772
Ion Ratio Lower Upper
164 100
162 102.5 83.8 125.8
160 48.9 42.0 63.0



#14
2,4,6-Tribromophenol
Concen: 0.289 ng
RT: 15.767 min Scan# 1602
Delta R.T. 0.000 min
Lab File: BN036979.D
Acq: 08 May 2025 18:41

Tgt Ion:330 Resp: 486
Ion Ratio Lower Upper
330 100
332 93.4 76.3 114.5
141 55.1 45.4 68.2

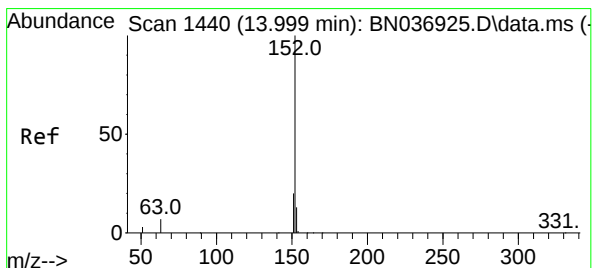
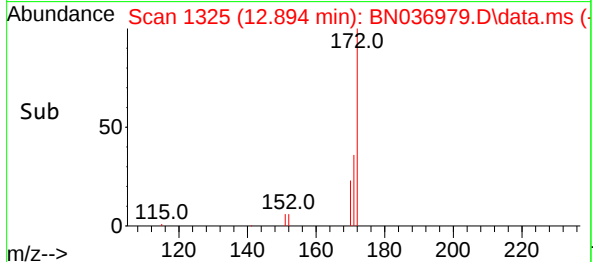
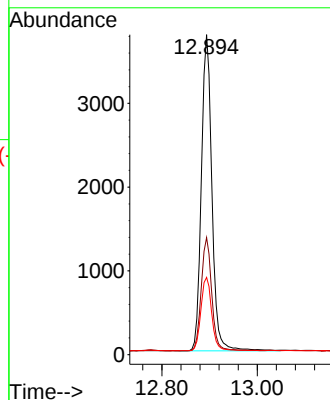
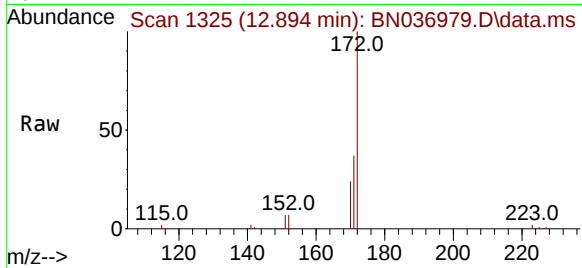




#15
2-Fluorobiphenyl
Concen: 0.353 ng
RT: 12.894 min Scan# 1439
Delta R.T. -0.005 min
Lab File: BN036979.D
Acq: 08 May 2025 18:41

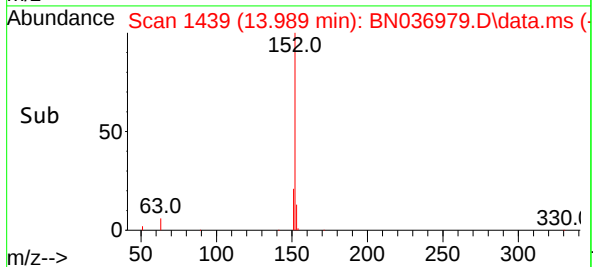
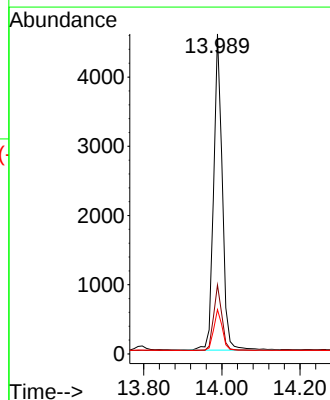
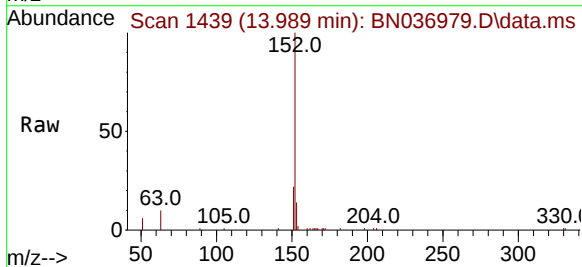
Instrument :
BNA_N
ClientSampleId :
PB167915BS

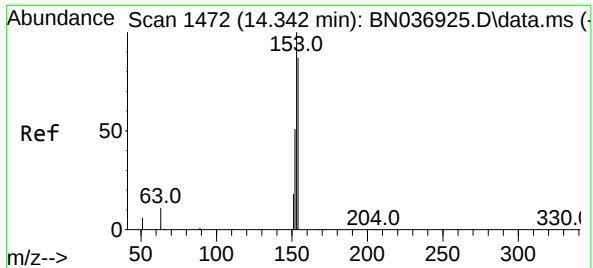
Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.6	29.4	44.0
170	24.2	19.4	29.0



#16
Acenaphthylene
Concen: 0.382 ng
RT: 13.989 min Scan# 1439
Delta R.T. -0.011 min
Lab File: BN036979.D
Acq: 08 May 2025 18:41

Tgt Ion	Ratio	Lower	Upper
152	100		
151	20.1	16.0	24.0
153	12.9	10.2	15.2

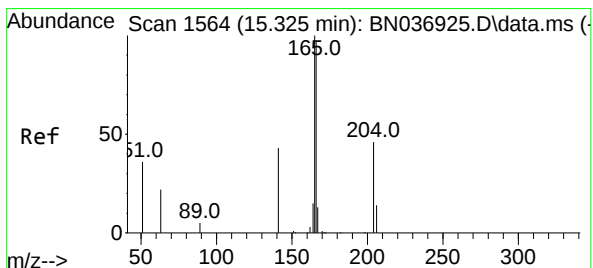
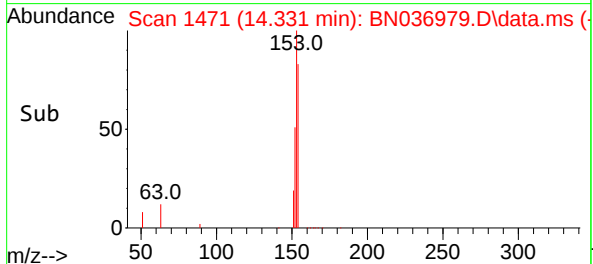
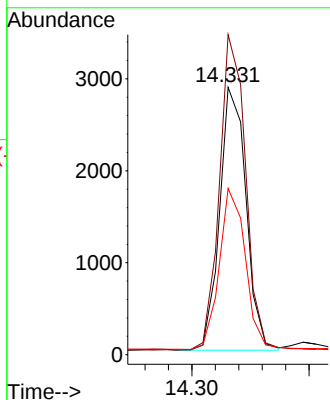
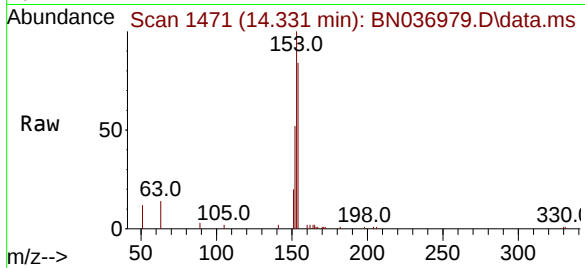




#17
Acenaphthene
Concen: 0.368 ng
RT: 14.331 min Scan# 1471
Delta R.T. -0.011 min
Lab File: BN036979.D
Acq: 08 May 2025 18:41

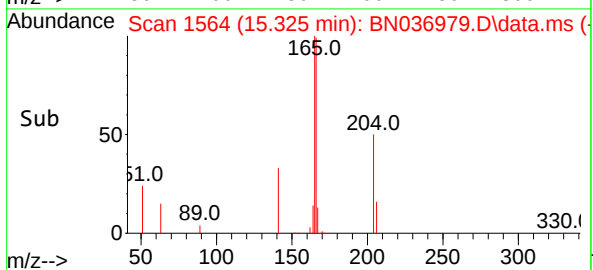
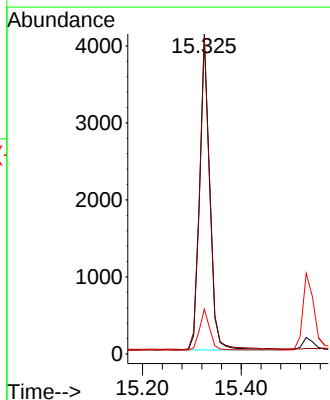
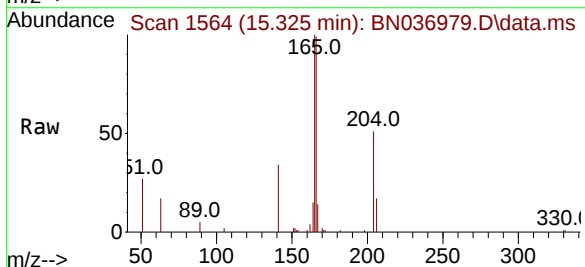
Instrument :
BNA_N
ClientSampleId :
PB167915BS

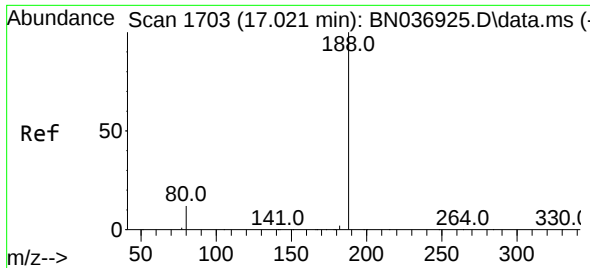
Tgt Ion:154 Resp: 4460
Ion Ratio Lower Upper
154 100
153 119.7 93.4 140.2
152 60.6 49.5 74.3



#18
Fluorene
Concen: 0.365 ng
RT: 15.325 min Scan# 1564
Delta R.T. -0.000 min
Lab File: BN036979.D
Acq: 08 May 2025 18:41

Tgt Ion:166 Resp: 5786
Ion Ratio Lower Upper
166 100
165 100.6 80.8 121.2
167 13.4 10.8 16.2

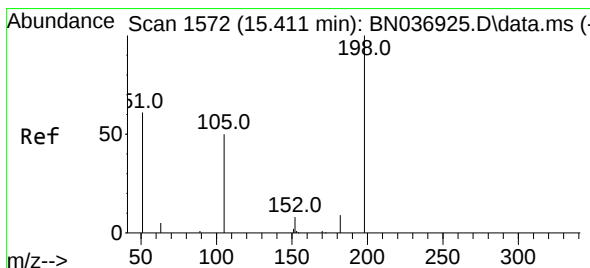
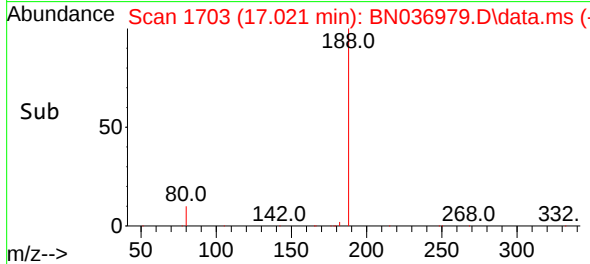
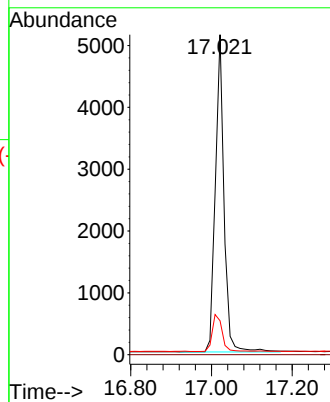
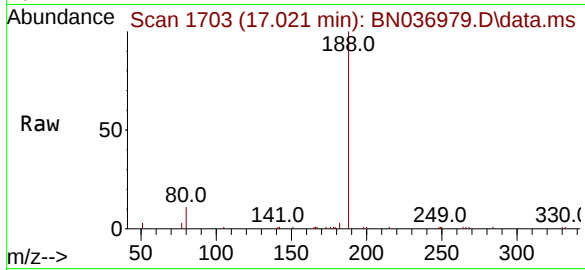




#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.021 min Scan# 11
Delta R.T. -0.000 min
Lab File: BN036979.D
Acq: 08 May 2025 18:41

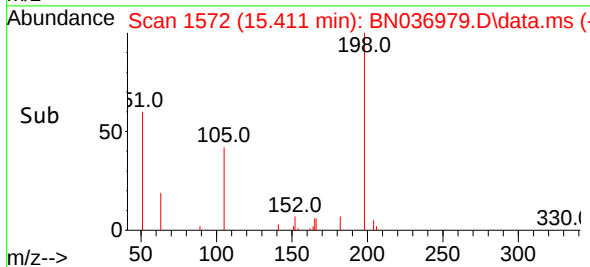
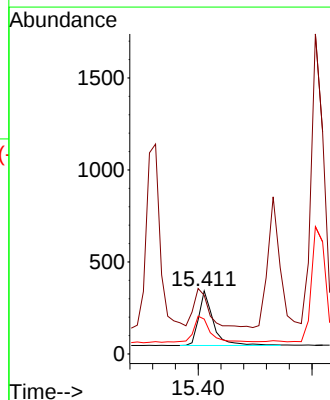
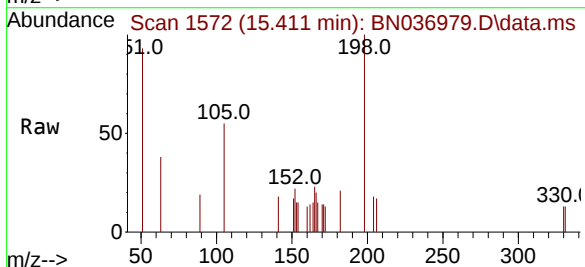
Instrument :
BNA_N
ClientSampleId :
PB167915BS

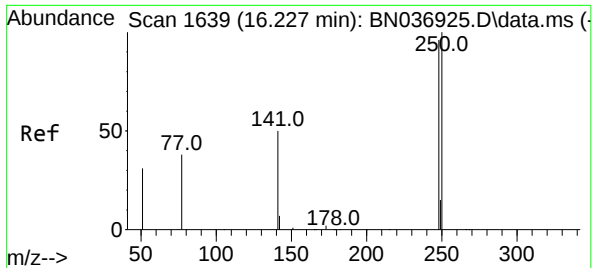
Tgt Ion	188	Resp	7644
Ion Ratio	Lower	Upper	
188	100		
94	0.0	0.0	0.0
80	10.6	10.7	16.1#



#20
4,6-Dinitro-2-methylphenol
Concen: 0.268 ng
RT: 15.411 min Scan# 1572
Delta R.T. -0.000 min
Lab File: BN036979.D
Acq: 08 May 2025 18:41

Tgt Ion	198	Resp	543
Ion Ratio	Lower	Upper	
198	100		
51	93.0	97.9	146.9#
105	55.4	50.0	75.0

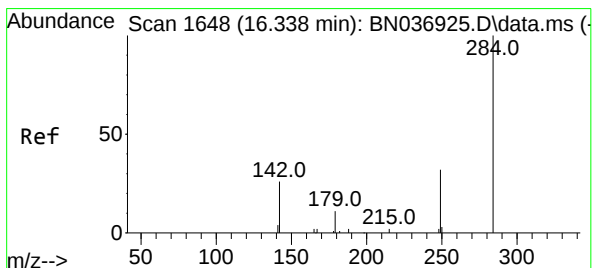
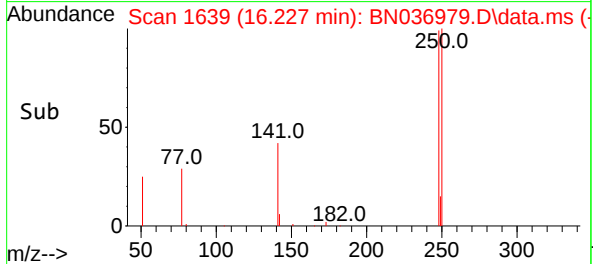
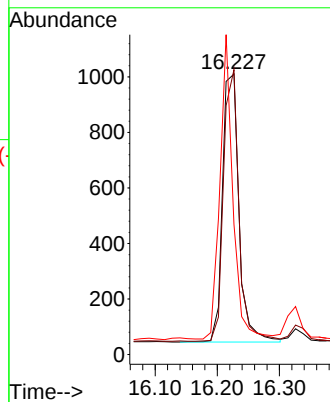
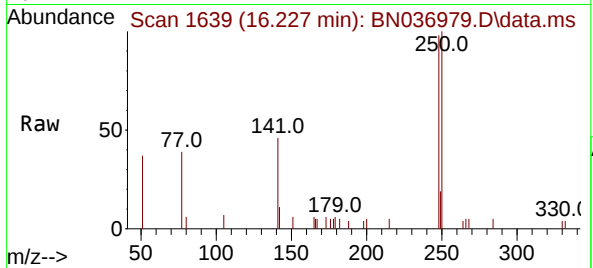




#21
4-Bromophenyl-phenylether
Concen: 0.348 ng
RT: 16.227 min Scan# 1639
Delta R.T. -0.000 min
Lab File: BN036979.D
Acq: 08 May 2025 18:41

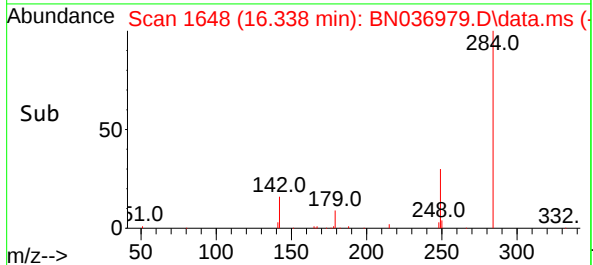
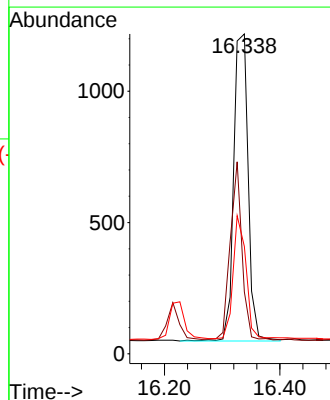
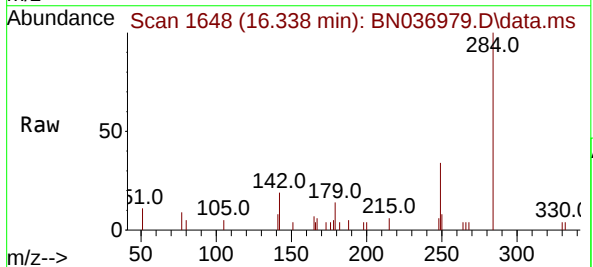
Instrument :
BNA_N
ClientSampleId :
PB167915BS

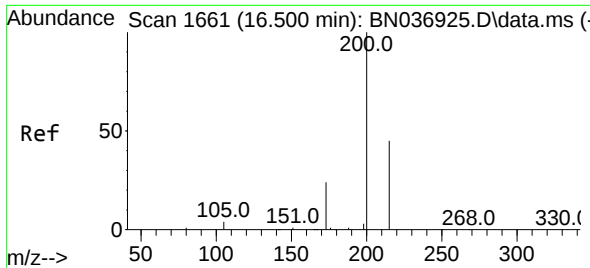
Tgt Ion	Ratio	Lower	Upper
248	100		
250	101.6	83.7	125.5
141	46.4	43.8	65.8



#22
Hexachlorobenzene
Concen: 0.364 ng
RT: 16.338 min Scan# 1648
Delta R.T. 0.000 min
Lab File: BN036979.D
Acq: 08 May 2025 18:41

Tgt Ion	Ratio	Lower	Upper
284	100		
142	47.1	40.0	60.0
249	36.7	28.2	42.2

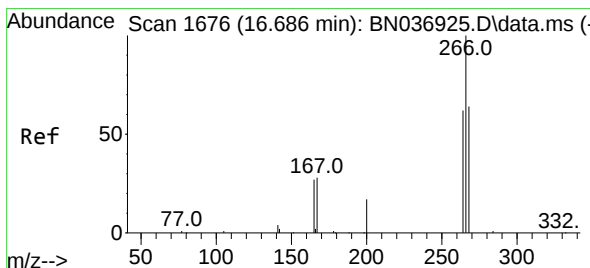
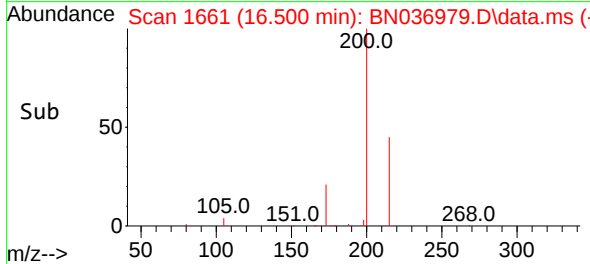
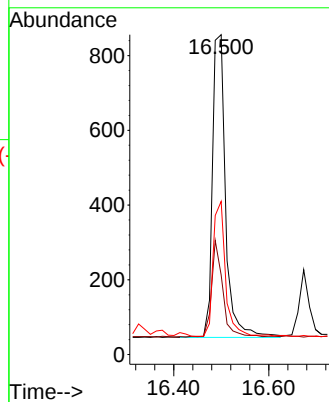
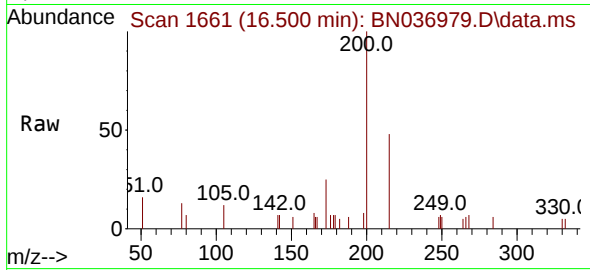




#23
Atrazine
Concen: 0.380 ng
RT: 16.500 min Scan# 1661
Delta R.T. -0.000 min
Lab File: BN036979.D
Acq: 08 May 2025 18:41

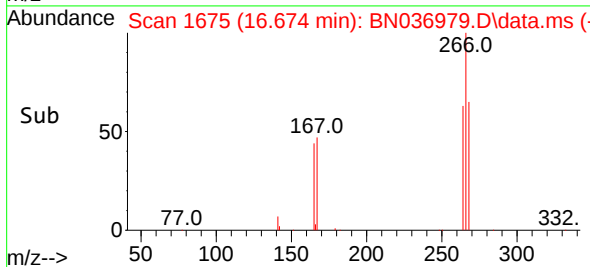
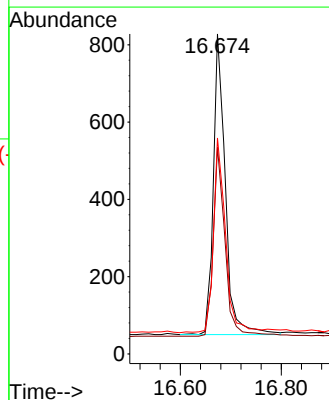
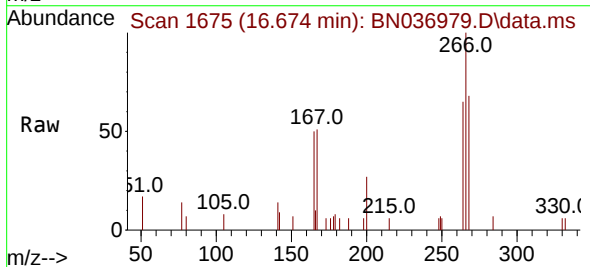
Instrument :
BNA_N
ClientSampleId :
PB167915BS

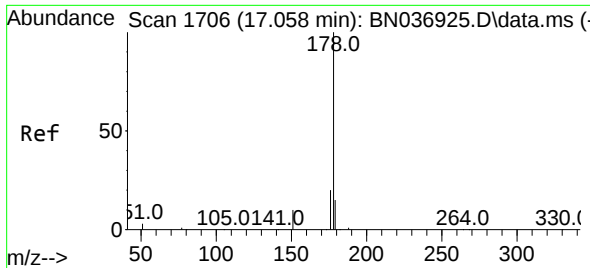
Tgt Ion:200 Resp: 1563
Ion Ratio Lower Upper
200 100
173 24.9 22.4 33.6
215 47.9 38.6 57.8



#24
Pentachlorophenol
Concen: 0.426 ng
RT: 16.674 min Scan# 1675
Delta R.T. -0.012 min
Lab File: BN036979.D
Acq: 08 May 2025 18:41

Tgt Ion:266 Resp: 1278
Ion Ratio Lower Upper
266 100
264 62.0 49.9 74.9
268 67.2 52.2 78.4

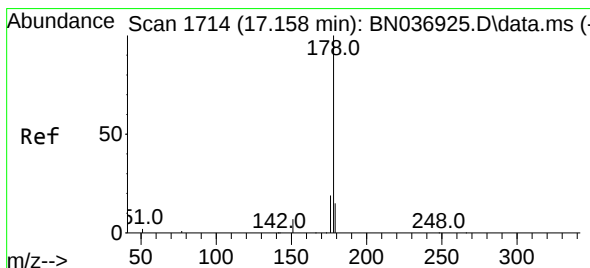
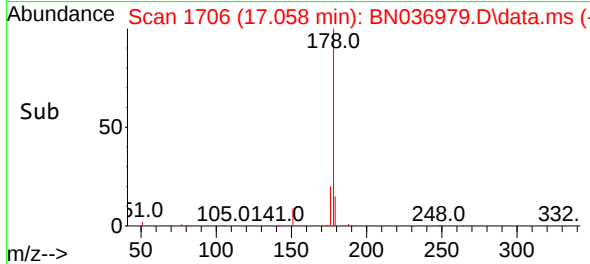
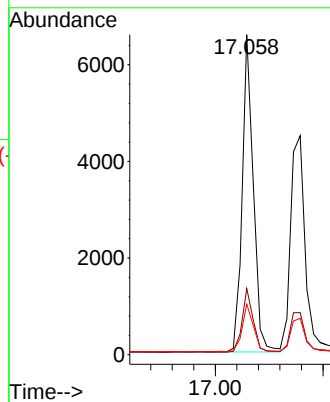
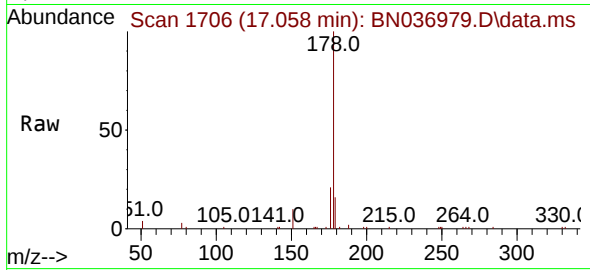




#25
Phenanthrene
Concen: 0.372 ng
RT: 17.058 min Scan# 1706
Delta R.T. 0.000 min
Lab File: BN036979.D
Acq: 08 May 2025 18:41

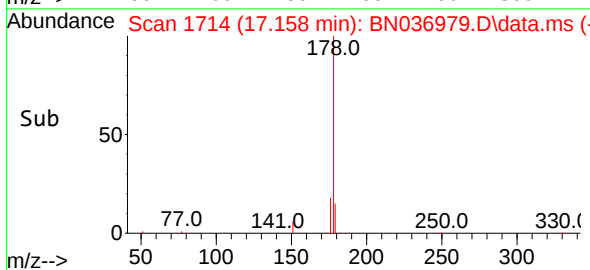
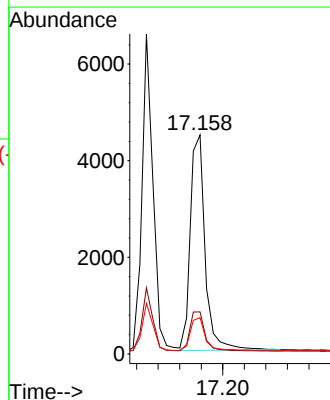
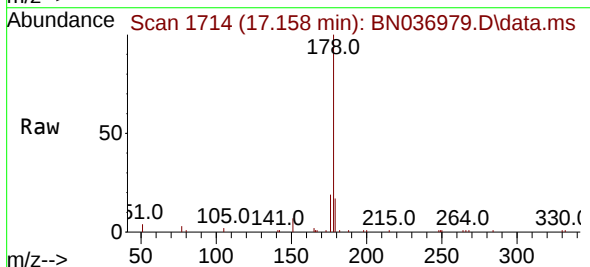
Instrument :
BNA_N
ClientSampleId :
PB167915BS

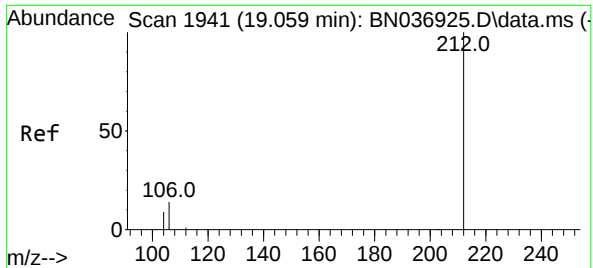
Tgt Ion	178	176	179
Resp:	9379		
Ion Ratio	100	19.8	15.3
Lower		15.7	12.4
Upper		23.5	18.6



#26
Anthracene
Concen: 0.374 ng
RT: 17.158 min Scan# 1714
Delta R.T. 0.000 min
Lab File: BN036979.D
Acq: 08 May 2025 18:41

Tgt Ion	178	176	179
Resp:	8525		
Ion Ratio	100	18.9	15.5
Lower		15.3	12.1
Upper		22.9	18.1

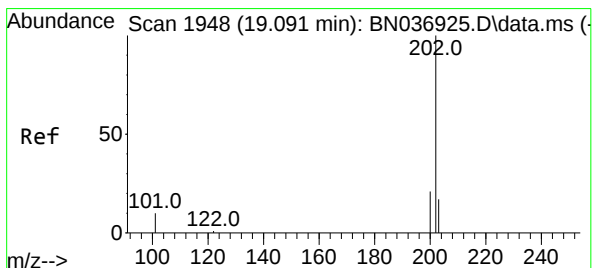
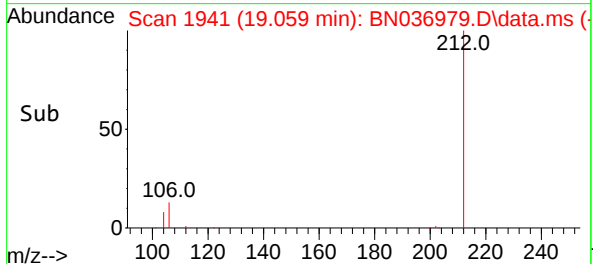
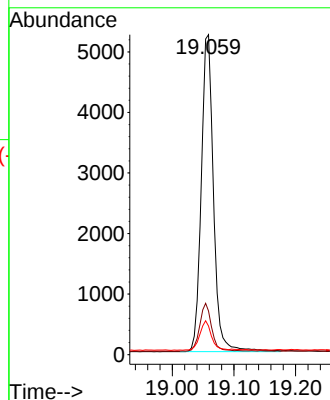
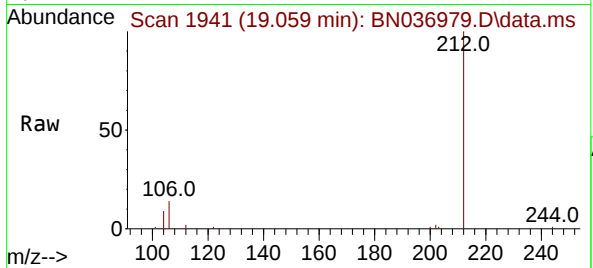




#27
Fluoranthene-d10
Concen: 0.365 ng
RT: 19.059 min Scan# 1941
Delta R.T. 0.000 min
Lab File: BN036979.D
Acq: 08 May 2025 18:41

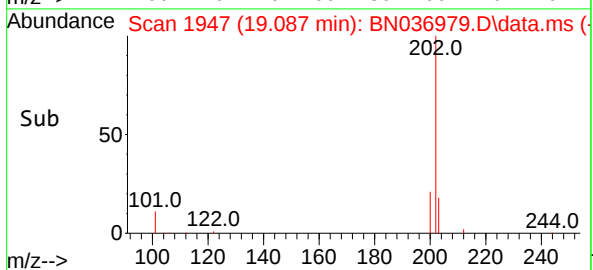
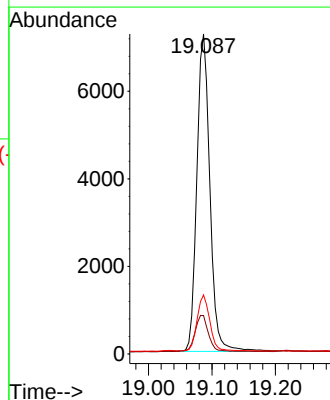
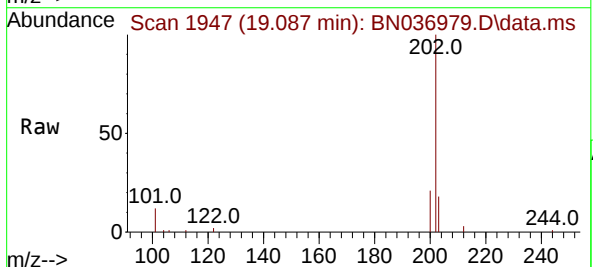
Instrument :
BNA_N
ClientSampleId :
PB167915BS

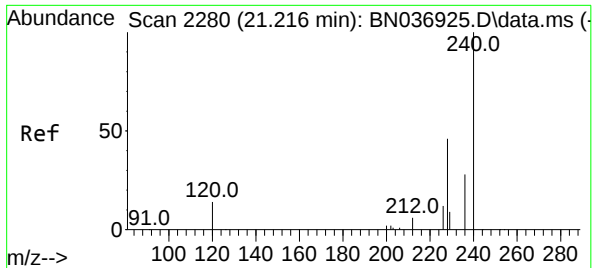
Tgt Ion:212 Resp: 7228
Ion Ratio Lower Upper
212 100
106 14.7 11.6 17.4
104 8.7 7.0 10.4



#28
Fluoranthene
Concen: 0.365 ng
RT: 19.087 min Scan# 1947
Delta R.T. -0.005 min
Lab File: BN036979.D
Acq: 08 May 2025 18:41

Tgt Ion:202 Resp: 10334
Ion Ratio Lower Upper
202 100
101 11.5 8.5 12.7
203 17.2 13.7 20.5

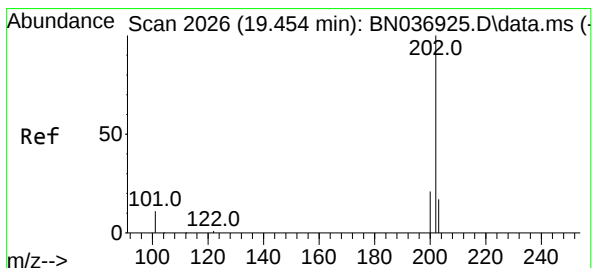
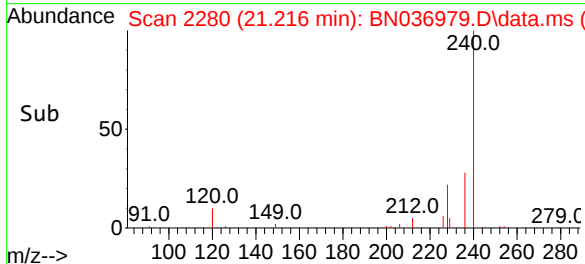
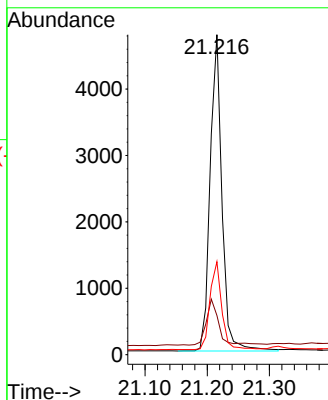
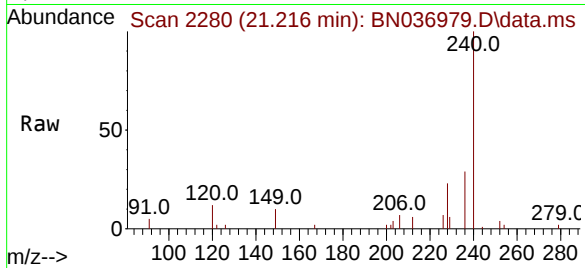




#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.216 min Scan# 21
Delta R.T. 0.000 min
Lab File: BN036979.D
Acq: 08 May 2025 18:41

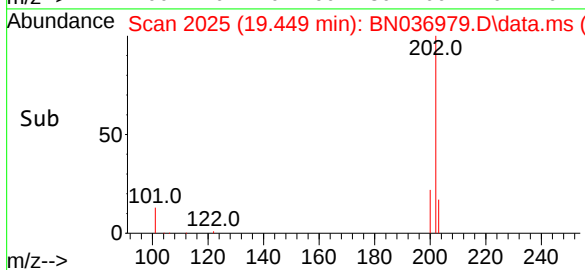
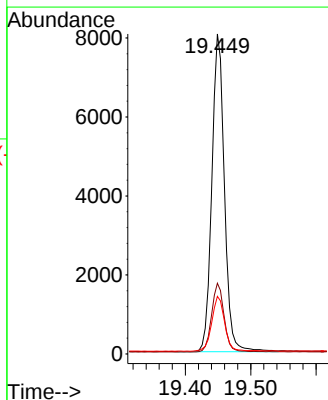
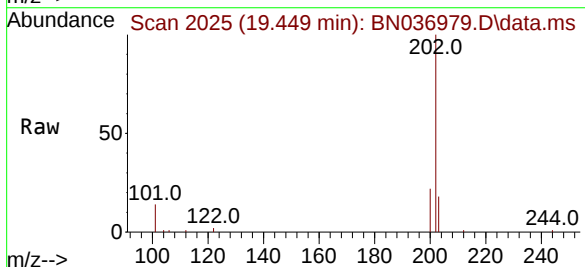
Instrument :
BNA_N
ClientSampleId :
PB167915BS

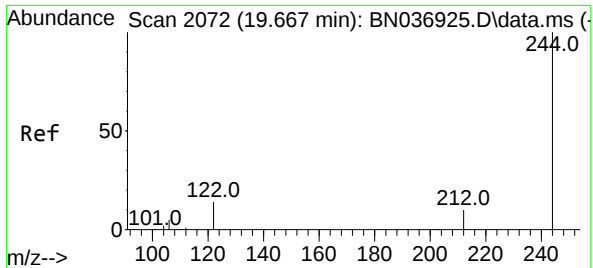
Tgt Ion	Ratio	Lower	Upper
240	100		
120	12.2	14.1	21.1#
236	29.0	23.8	35.8



#30
Pyrene
Concen: 0.356 ng
RT: 19.449 min Scan# 2025
Delta R.T. -0.005 min
Lab File: BN036979.D
Acq: 08 May 2025 18:41

Tgt Ion	Ratio	Lower	Upper
202	100		
200	21.3	17.0	25.6
203	17.5	14.0	21.0

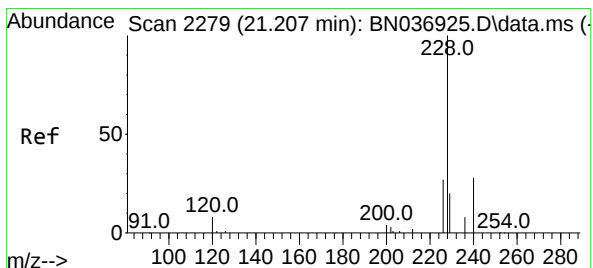
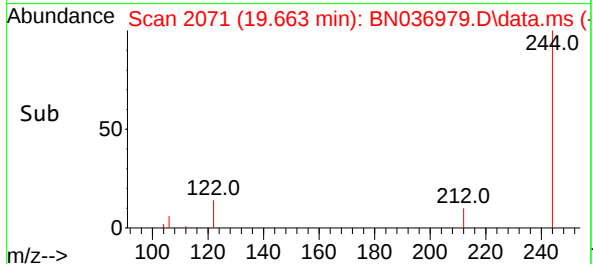
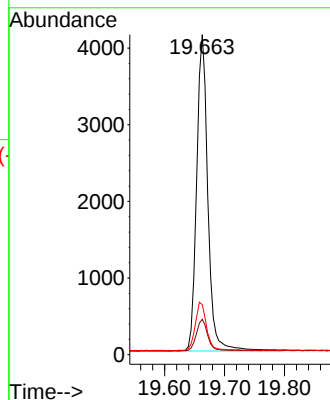
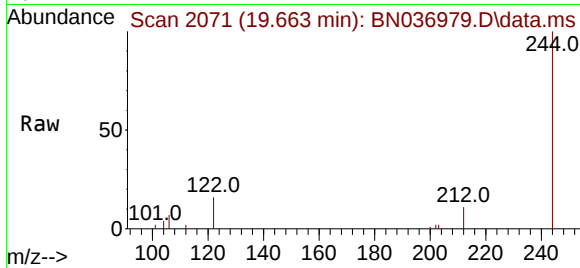




#31
Terphenyl-d14
Concen: 0.363 ng
RT: 19.663 min Scan# 2071
Delta R.T. -0.005 min
Lab File: BN036979.D
Acq: 08 May 2025 18:41

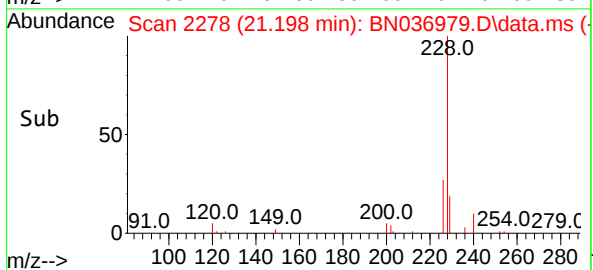
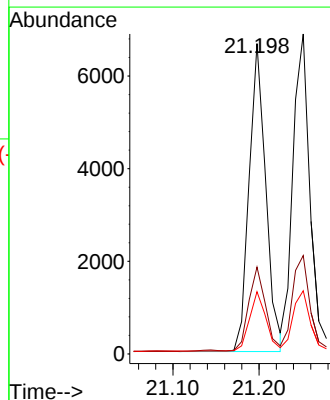
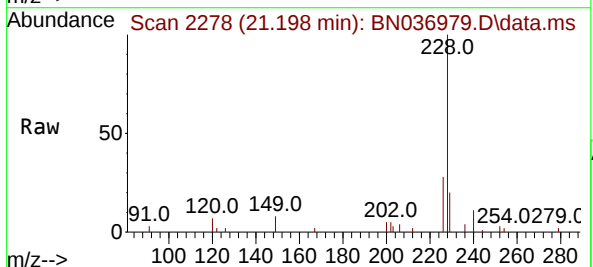
Instrument :
BNA_N
ClientSampleId :
PB167915BS

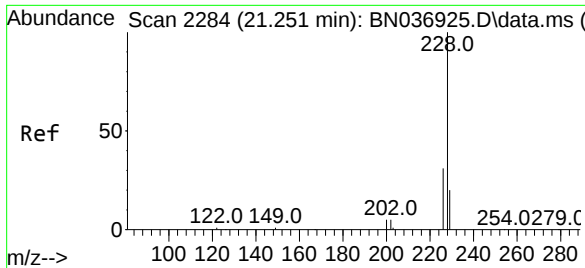
Tgt Ion:244 Resp: 5366
Ion Ratio Lower Upper
244 100
212 11.1 9.6 14.4
122 15.6 12.7 19.1



#32
Benzo(a)anthracene
Concen: 0.389 ng
RT: 21.198 min Scan# 2278
Delta R.T. -0.009 min
Lab File: BN036979.D
Acq: 08 May 2025 18:41

Tgt Ion:228 Resp: 8967
Ion Ratio Lower Upper
228 100
226 28.0 22.2 33.4
229 20.1 16.4 24.6





#33

Chrysene

Concen: 0.391 ng

RT: 21.251 min Scan# 21

Delta R.T. -0.000 min

Lab File: BN036979.D

Acq: 08 May 2025 18:41

Instrument :

BNA_N

ClientSampleId :

PB167915BS

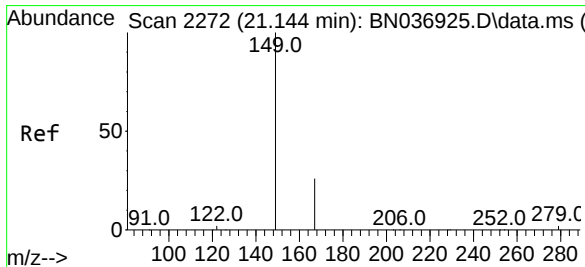
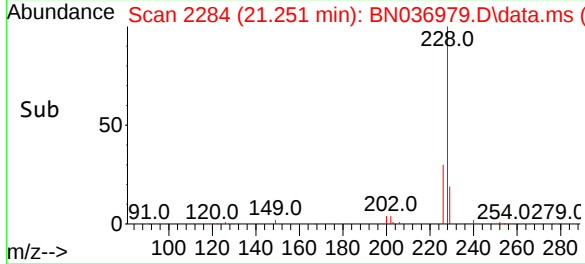
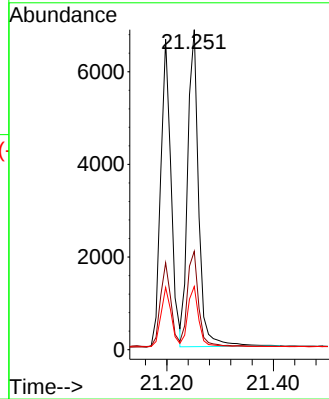
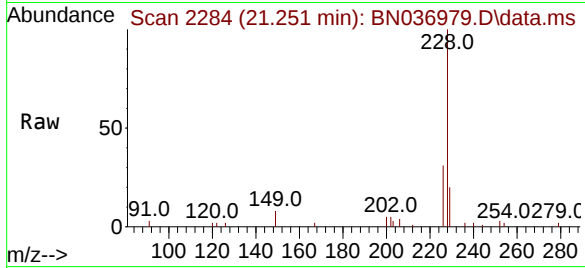
Tgt Ion:228 Resp: 9711

Ion Ratio Lower Upper

228 100

226 30.7 25.5 38.3

229 19.7 16.5 24.7



#34

Bis(2-ethylhexyl)phthalate

Concen: 0.408 ng

RT: 21.135 min Scan# 2271

Delta R.T. -0.009 min

Lab File: BN036979.D

Acq: 08 May 2025 18:41

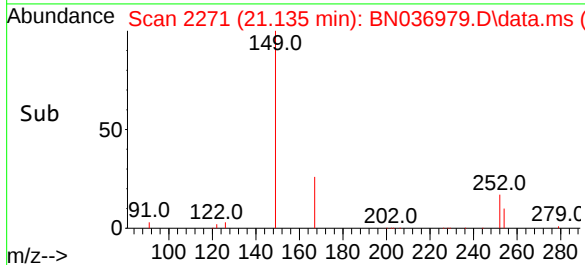
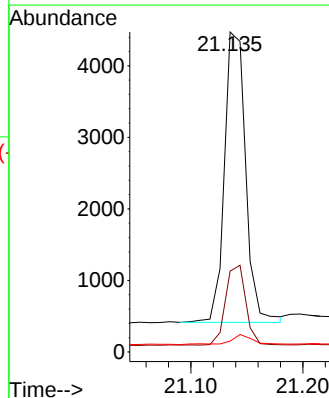
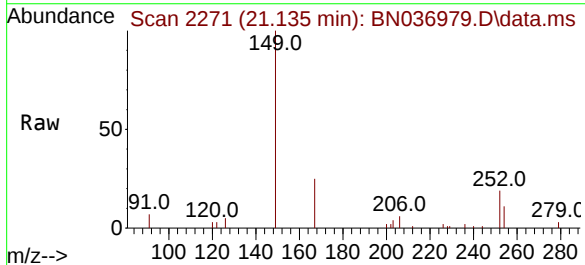
Tgt Ion:149 Resp: 5348

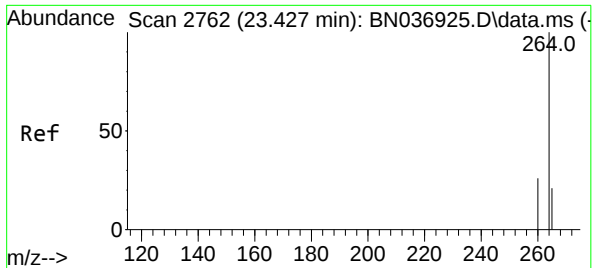
Ion Ratio Lower Upper

149 100

167 26.3 21.0 31.6

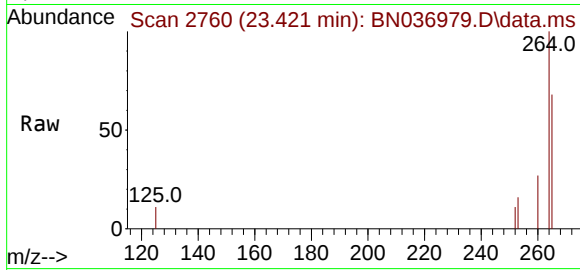
279 3.7 2.7 4.1



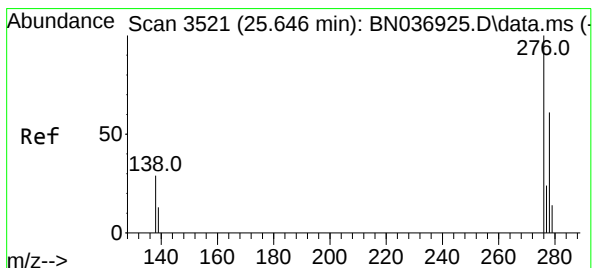
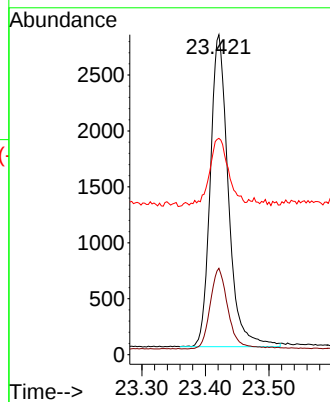
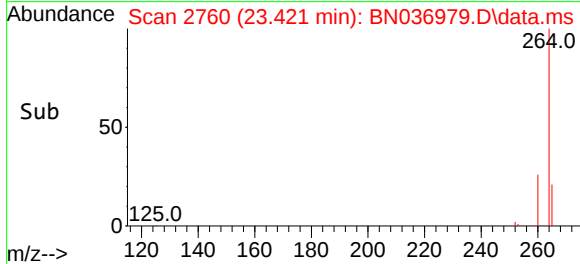


#35
Perylene-d12
Concen: 0.400 ng
RT: 23.421 min Scan# 21
Delta R.T. -0.006 min
Lab File: BN036979.D
Acq: 08 May 2025 18:41

Instrument :
BNA_N
ClientSampleId :
PB167915BS

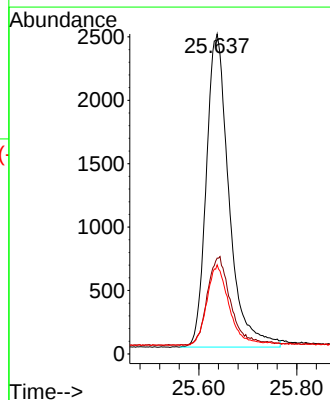
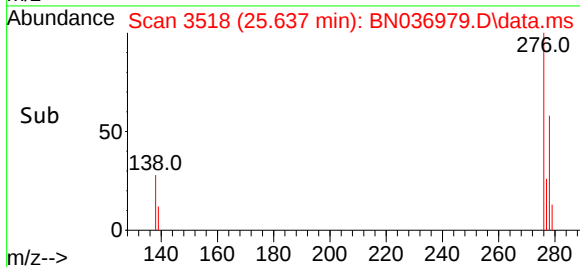
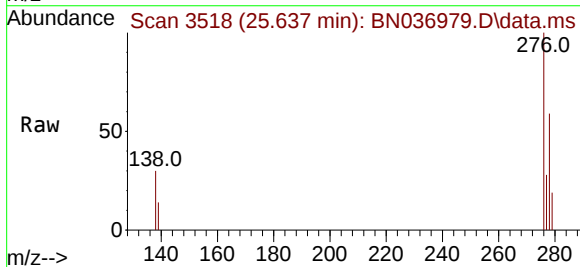


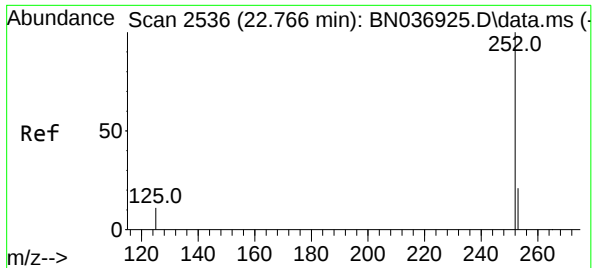
Tgt Ion:264 Resp: 5504
Ion Ratio Lower Upper
264 100
260 27.0 22.2 33.2
265 67.6 65.8 98.6



#36
Indeno(1,2,3-cd)pyrene
Concen: 0.353 ng
RT: 25.637 min Scan# 3518
Delta R.T. -0.009 min
Lab File: BN036979.D
Acq: 08 May 2025 18:41

Tgt Ion:276 Resp: 7939
Ion Ratio Lower Upper
276 100
138 29.1 23.0 34.6
277 25.0 20.0 30.0





#37

Benzo(b)fluoranthene

Concen: 0.360 ng

RT: 22.760 min Scan# 2549

Delta R.T. -0.006 min

Lab File: BN036979.D

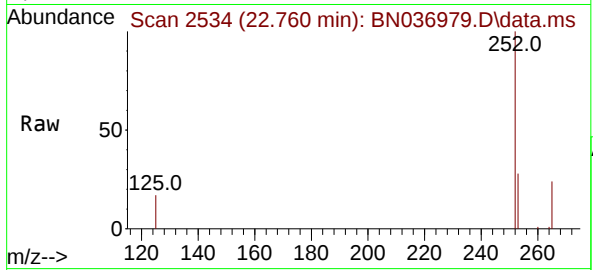
Acq: 08 May 2025 18:41

Instrument :

BNA_N

ClientSampleId :

PB167915BS



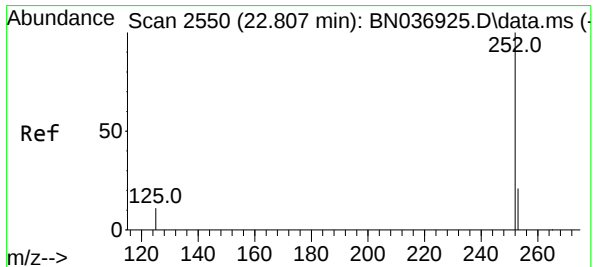
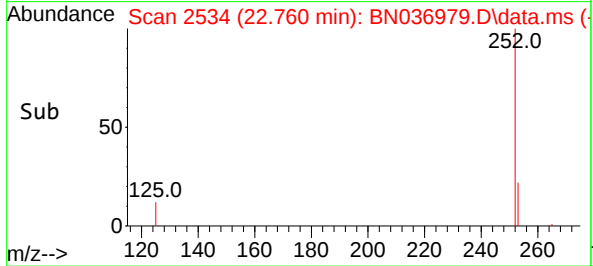
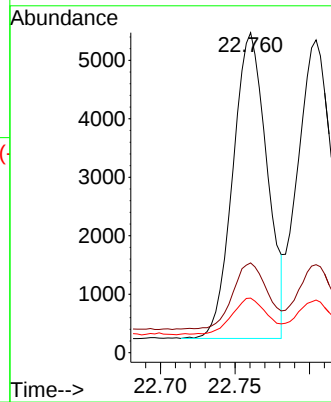
Tgt Ion:252 Resp: 8326

Ion Ratio Lower Upper

252 100

253 28.0 22.1 33.1

125 17.0 14.2 21.2



#38

Benzo(k)fluoranthene

Concen: 0.376 ng

RT: 22.804 min Scan# 2549

Delta R.T. -0.003 min

Lab File: BN036979.D

Acq: 08 May 2025 18:41

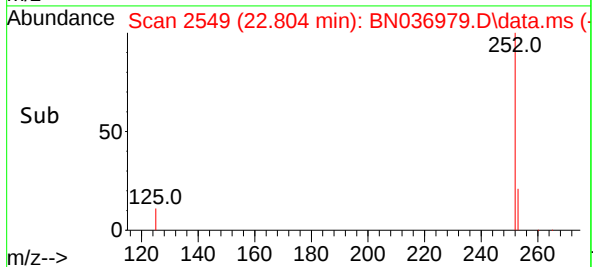
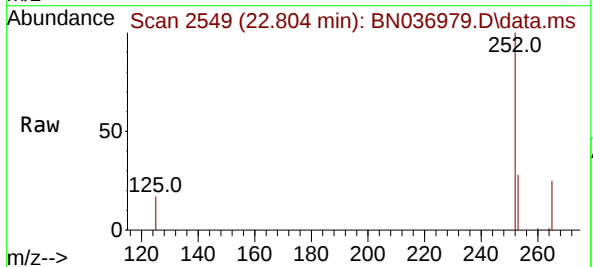
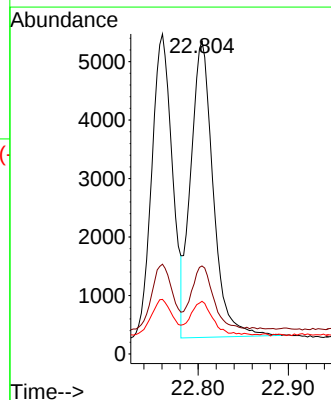
Tgt Ion:252 Resp: 8759

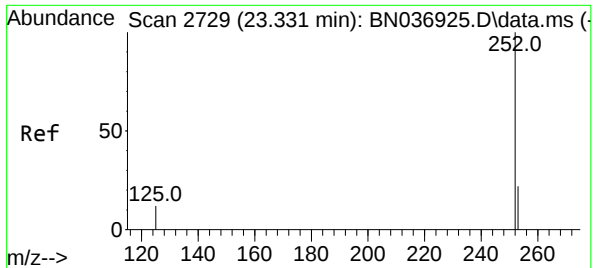
Ion Ratio Lower Upper

252 100

253 28.1 22.8 34.2

125 16.8 14.2 21.2





#39

Benzo(a)pyrene

Concen: 0.389 ng

RT: 23.325 min Scan# 21

Delta R.T. -0.006 min

Lab File: BN036979.D

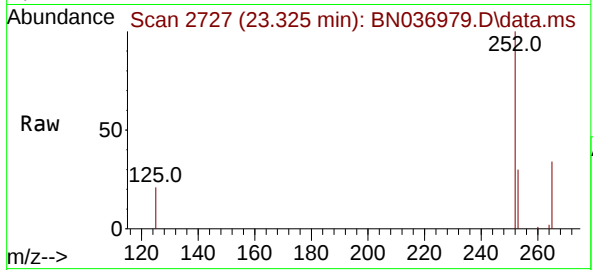
Acq: 08 May 2025 18:41

Instrument :

BNA_N

ClientSampleId :

PB167915BS



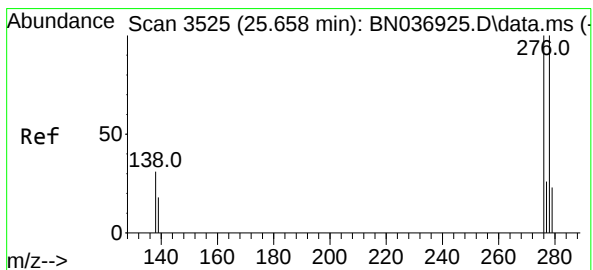
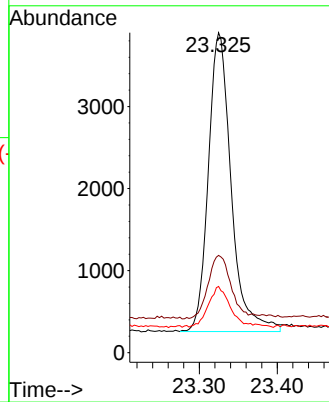
Tgt Ion:252 Resp: 7401

Ion Ratio Lower Upper

252 100

253 30.4 25.9 38.9

125 20.7 17.4 26.0



#40

Dibenzo(a,h)anthracene

Concen: 0.345 ng

RT: 25.652 min Scan# 3523

Delta R.T. -0.006 min

Lab File: BN036979.D

Acq: 08 May 2025 18:41

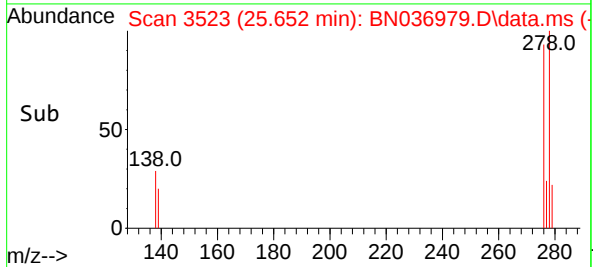
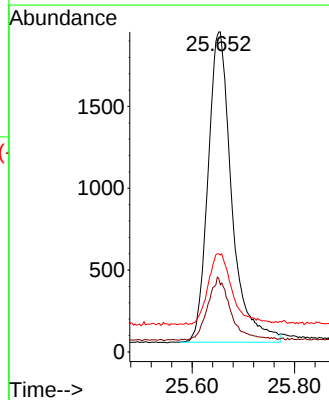
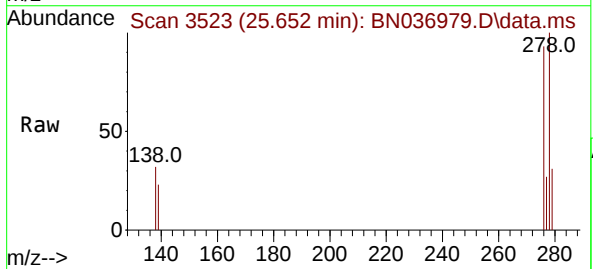
Tgt Ion:278 Resp: 6108

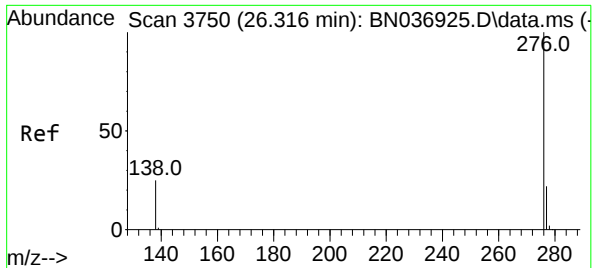
Ion Ratio Lower Upper

278 100

139 22.9 17.4 26.2

279 30.6 24.9 37.3





#41

Benzo(g,h,i)perylene

Concen: 0.313 ng

RT: 26.313 min Scan# 31

Delta R.T. -0.003 min

Lab File: BN036979.D

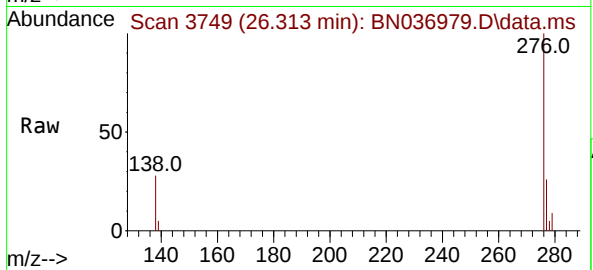
Acq: 08 May 2025 18:41

Instrument :

BNA_N

ClientSampleId :

PB167915BS



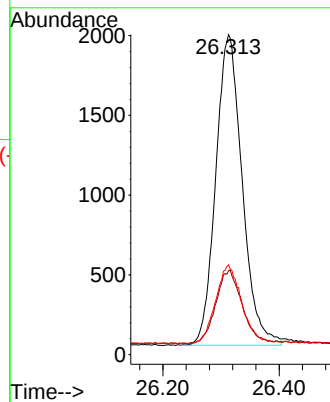
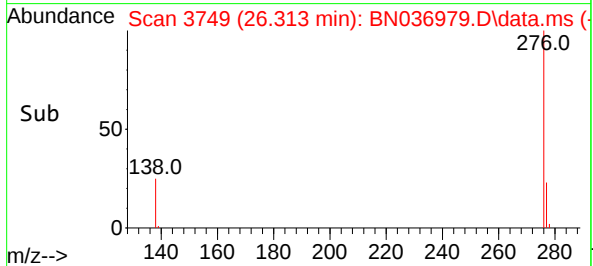
Tgt Ion:276 Resp: 6141

Ion Ratio Lower Upper

276 100

277 26.2 20.2 30.2

138 28.1 21.9 32.9



Report of Analysis

Client:	G Environmental	Date Collected:	05/01/25
Project:	Amsterdam	Date Received:	05/01/25
Client Sample ID:	GB2BMS	SDG No.:	Q1939
Lab Sample ID:	Q1939-04MS	Matrix:	SOIL
Analytical Method:	SW8270ESIM	% Solid:	85.4
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
BN036975.D	1	05/08/25 10:03	05/08/25 16:16	PB167915

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
123-91-1	1,4-Dioxane	13.2		1.80	7.70	ug/Kg
SURROGATES						
7297-45-2	2-Methylnaphthalene-d10	0.22		30 (17) - 150 (161)	55%	SPK: 0.4
93951-69-0	Fluoranthene-d10	0.23		30 (23) - 150 (138)	57%	SPK: 0.4
4165-60-0	Nitrobenzene-d5	0.22		30 (33) - 130 (121)	55%	SPK: 0.4
321-60-8	2-Fluorobiphenyl	0.19		30 (32) - 130 (121)	49%	SPK: 0.4
1718-51-0	Terphenyl-d14	0.20		30 (21) - 130 (130)	50%	SPK: 0.4
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	1700	7.625			
1146-65-2	Naphthalene-d8	4360	10.404			
15067-26-2	Acenaphthene-d10	2390	14.277			
1517-22-2	Phenanthrene-d10	5060	17.021			
1719-03-5	Chrysene-d12	4470	21.215			
1520-96-3	Perylene-d12	4300	23.424			

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\BN050825\
 Data File : BN036975.D
 Acq On : 08 May 2025 16:16
 Operator : RC/JU
 Sample : Q1939-04MS
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 GB2BMS

Quant Time: May 08 16:43:34 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN042825.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Apr 28 15:35:03 2025
 Response via : Initial Calibration

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

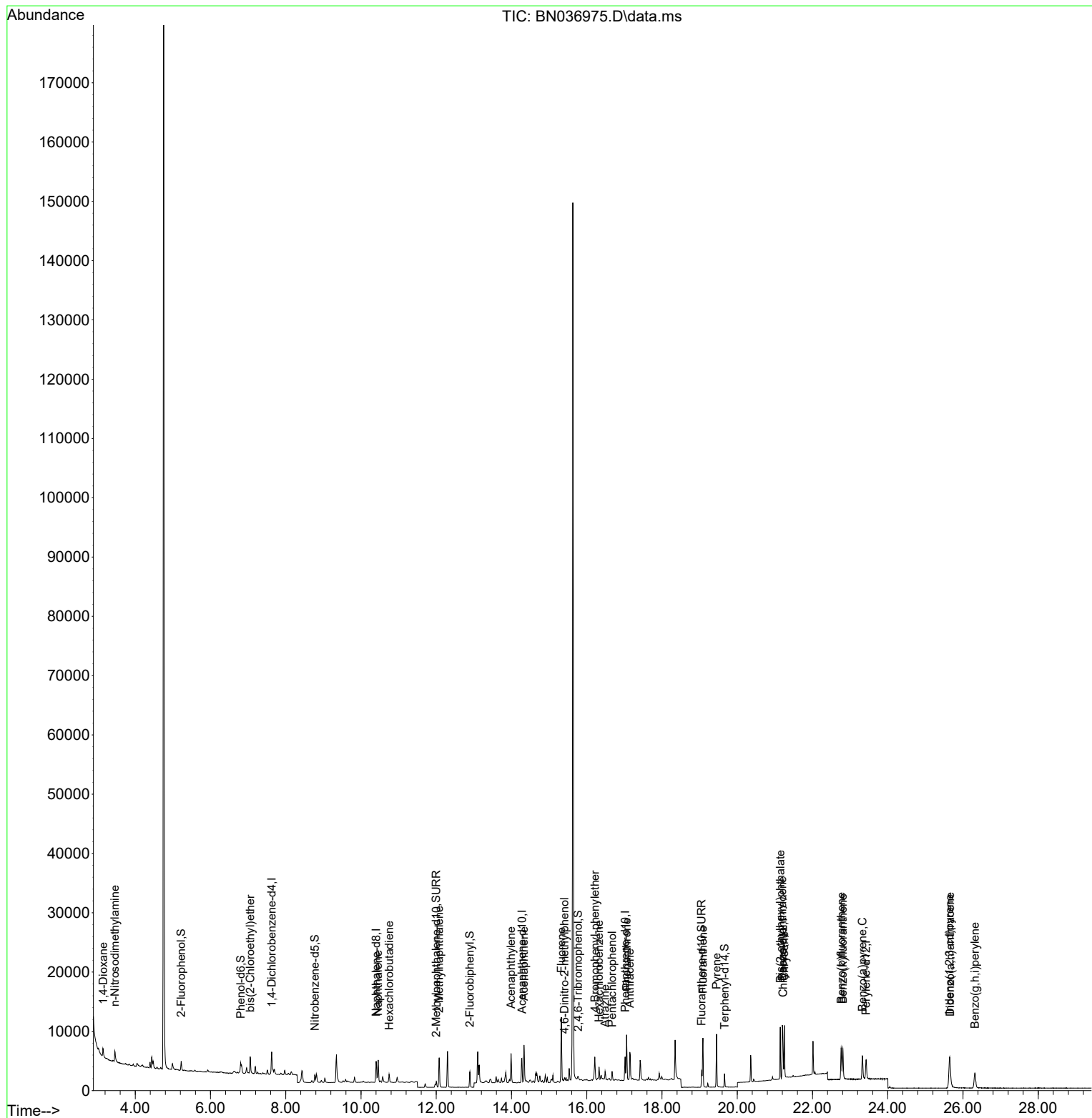
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.625	152	1704	0.400	ng	0.00
7) Naphthalene-d8	10.404	136	4360	0.400	ng	#-0.01
13) Acenaphthene-d10	14.277	164	2385	0.400	ng	0.00
19) Phenanthrene-d10	17.021	188	5063	0.400	ng	# 0.00
29) Chrysene-d12	21.215	240	4471	0.400	ng	# 0.00
35) Perylene-d12	23.424	264	4298	0.400	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.220	112	1017	0.233	ng	0.00
5) Phenol-d6	6.802	99	1298	0.242	ng	0.00
8) Nitrobenzene-d5	8.771	82	1005	0.220	ng	-0.01
11) 2-Methylnaphthalene-d10	12.001	152	1345	0.221	ng	0.00
14) 2,4,6-Tribromophenol	15.767	330	238	0.224	ng	0.00
15) 2-Fluorobiphenyl	12.893	172	2233	0.194	ng	0.00
27) Fluoranthene-d10	19.054	212	3006	0.229	ng	0.00
31) Terphenyl-d14	19.663	244	2092	0.198	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	3.148	88	719	0.339	ng	# 11
3) n-Nitrosodimethylamine	3.458	42	1767	0.429	ng	90
6) bis(2-Chloroethyl)ether	7.055	93	1918	0.386	ng	99
9) Naphthalene	10.458	128	4753	0.375	ng	100
10) Hexachlorobutadiene	10.746	225	1025	0.373	ng	# 98
12) 2-Methylnaphthalene	12.077	142	3444	0.420	ng	99
16) Acenaphthylene	13.989	152	4556	0.391	ng	97
17) Acenaphthene	14.331	154	2973	0.388	ng	98
18) Fluorene	15.325	166	4067	0.406	ng	99
20) 4,6-Dinitro-2-methylph...	15.410	198	432	0.322	ng	# 73
21) 4-Bromophenyl-phenylether	16.214	248	1264	0.374	ng	# 67
22) Hexachlorobenzene	16.326	284	1266	0.342	ng	96
23) Atrazine	16.487	200	1110	0.407	ng	# 92
24) Pentachlorophenol	16.673	266	623	0.314	ng	98
25) Phenanthrene	17.058	178	7313	0.438	ng	99
26) Anthracene	17.145	178	5839	0.386	ng	99
28) Fluoranthene	19.087	202	7262	0.388	ng	99
30) Pyrene	19.449	202	7672	0.356	ng	99
32) Benzo(a)anthracene	21.198	228	6467	0.393	ng	98
33) Chrysene	21.251	228	7045	0.397	ng	99
34) Bis(2-ethylhexyl)phtha...	21.144	149	6904	0.737	ng	99
36) Indeno(1,2,3-cd)pyrene	25.637	276	6779	0.386	ng	99
37) Benzo(b)fluoranthene	22.760	252	6538	0.362	ng	98
38) Benzo(k)fluoranthene	22.807	252	6781	0.373	ng	100
39) Benzo(a)pyrene	23.328	252	5810	0.391	ng	96
40) Dibenzo(a,h)anthracene	25.655	278	5158	0.373	ng	99
41) Benzo(g,h,i)perylene	26.318	276	5341	0.348	ng	98

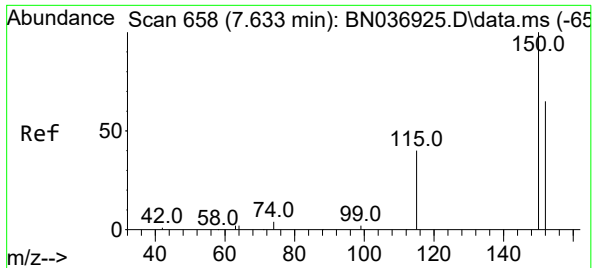
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN050825\
Data File : BN036975.D
Acq On : 08 May 2025 16:16
Operator : RC/JU
Sample : Q1939-04MS
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
GB2BMS

Quant Time: May 08 16:43:34 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN042825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Apr 28 15:35:03 2025
Response via : Initial Calibration

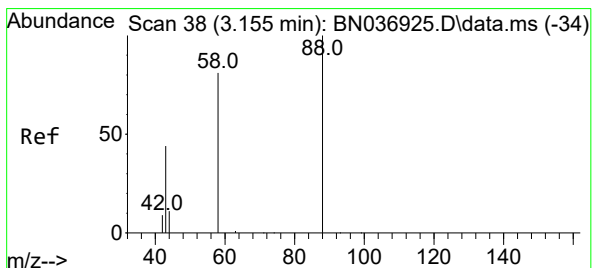
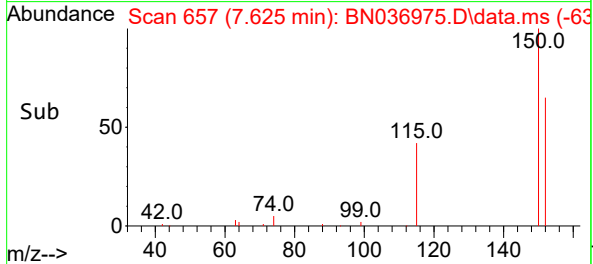
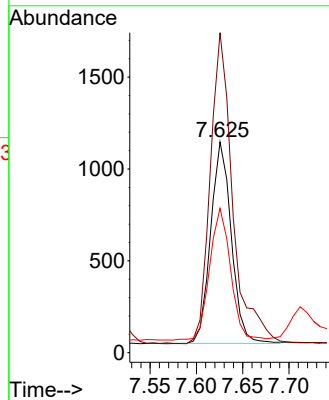
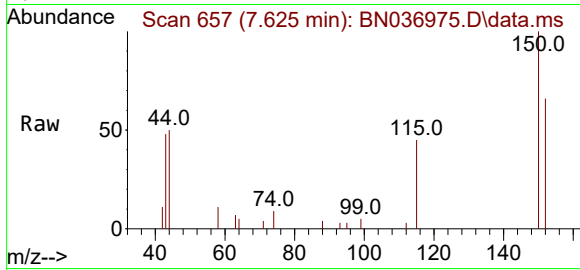




#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.625 min Scan# 61
Delta R.T. -0.008 min
Lab File: BN036975.D
Acq: 08 May 2025 16:16

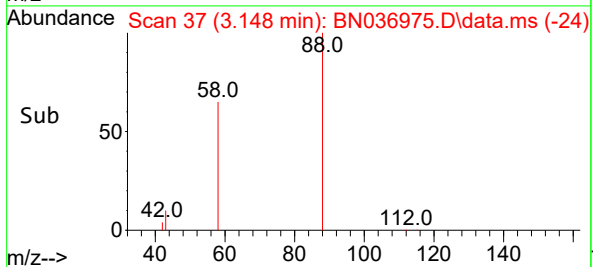
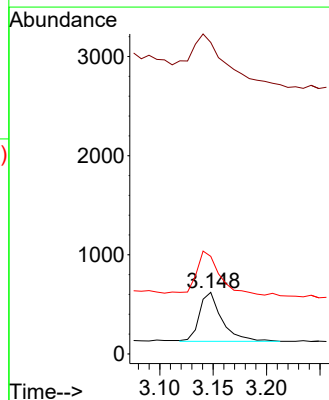
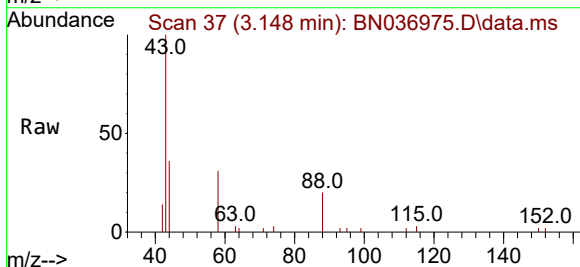
Instrument :
BNA_N
ClientSampleId :
GB2BMS

Tgt Ion:152 Resp: 1704
Ion Ratio Lower Upper
152 100
150 151.9 121.1 181.7
115 68.5 51.8 77.6

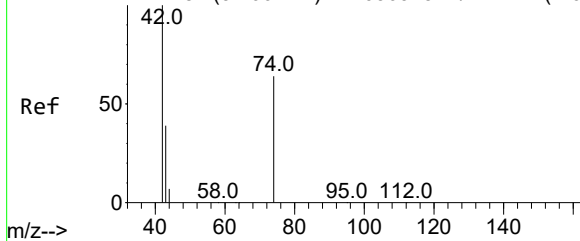


#2
1,4-Dioxane
Concen: 0.339 ng
RT: 3.148 min Scan# 37
Delta R.T. -0.007 min
Lab File: BN036975.D
Acq: 08 May 2025 16:16

Tgt Ion: 88 Resp: 719
Ion Ratio Lower Upper
88 100
43 187.6 37.9 56.9#
58 99.9 65.8 98.6#



Abundance Scan 81 (3.466 min): BN036925.D\data.ms (-76)



#3

n-Nitrosodimethylamine

Concen: 0.429 ng

RT: 3.458 min Scan# 81

Delta R.T. -0.007 min

Lab File: BN036975.D

Acq: 08 May 2025 16:16

Instrument :

BNA_N

ClientSampleId :

GB2BMS

Tgt Ion: 42 Resp: 1767

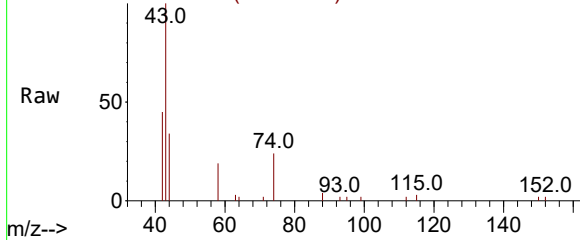
Ion Ratio Lower Upper

42 100

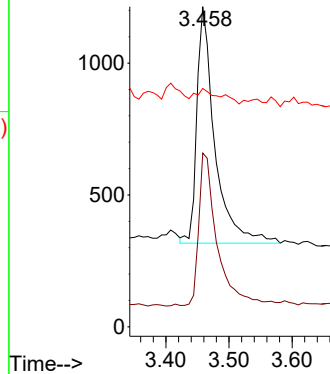
74 65.7 59.9 89.9

44 8.8 7.5 11.3

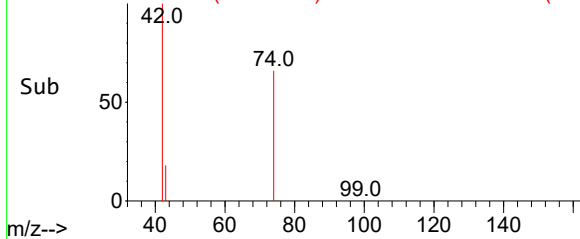
Abundance Scan 80 (3.458 min): BN036975.D\data.ms



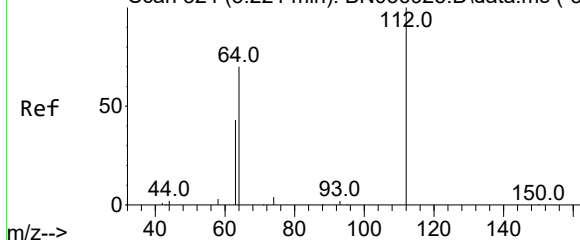
Abundance



Abundance Scan 80 (3.458 min): BN036975.D\data.ms (-60)



Abundance Scan 324 (5.221 min): BN036925.D\data.ms (-31)



#4

2-Fluorophenol

Concen: 0.233 ng

RT: 5.220 min Scan# 324

Delta R.T. -0.000 min

Lab File: BN036975.D

Acq: 08 May 2025 16:16

Tgt Ion: 112 Resp: 1017

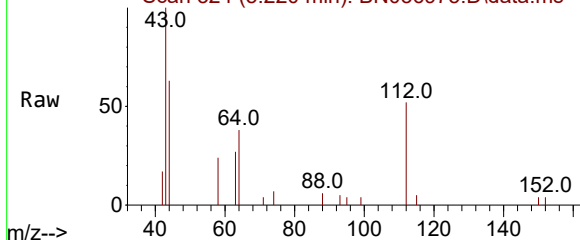
Ion Ratio Lower Upper

112 100

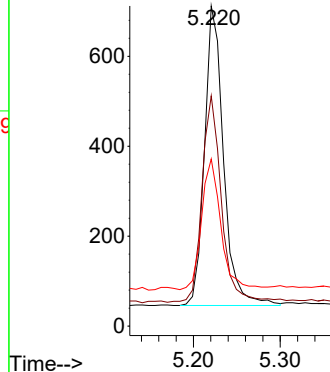
64 71.0 55.7 83.5

63 44.1 33.9 50.9

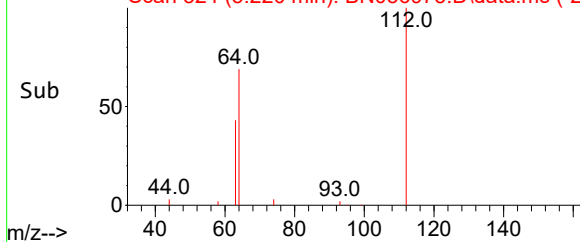
Abundance Scan 324 (5.220 min): BN036975.D\data.ms

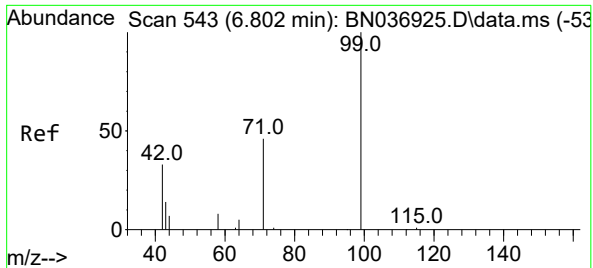


Abundance



Abundance Scan 324 (5.220 min): BN036975.D\data.ms (-29)

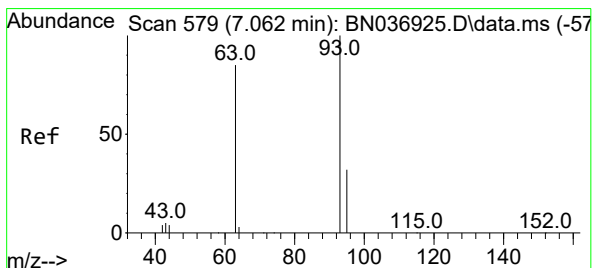
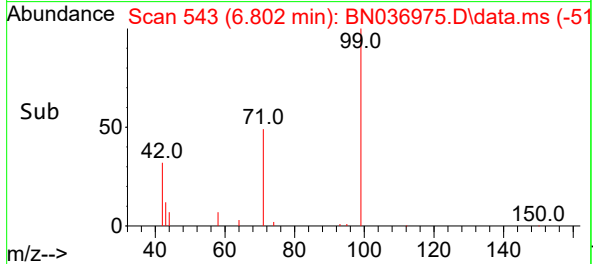
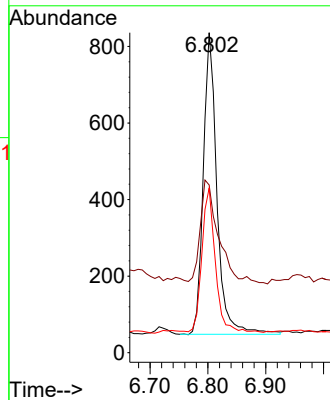
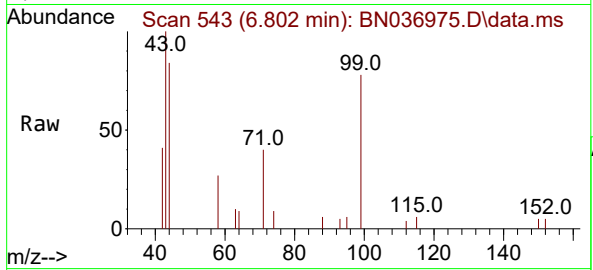




#5
Phenol-d6
Concen: 0.242 ng
RT: 6.802 min Scan# 543
Delta R.T. -0.000 min
Lab File: BN036975.D
Acq: 08 May 2025 16:16

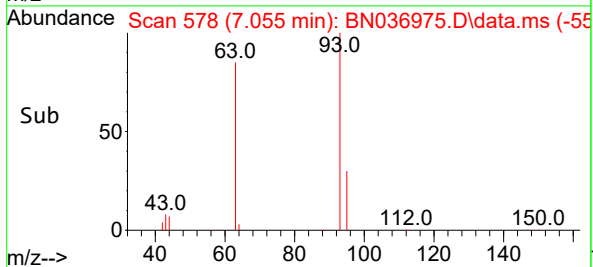
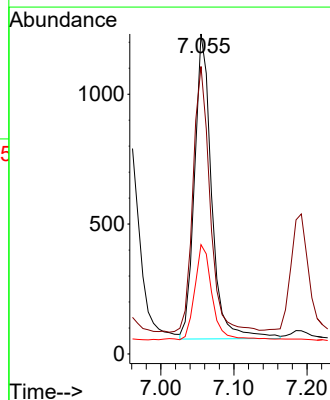
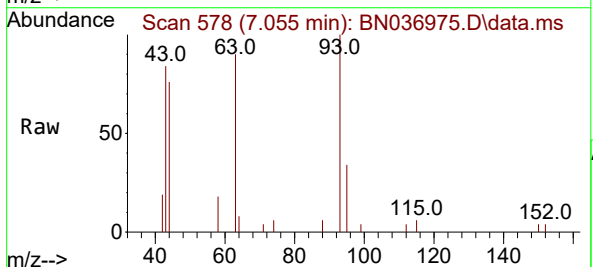
Instrument :
BNA_N
ClientSampleId :
GB2BMS

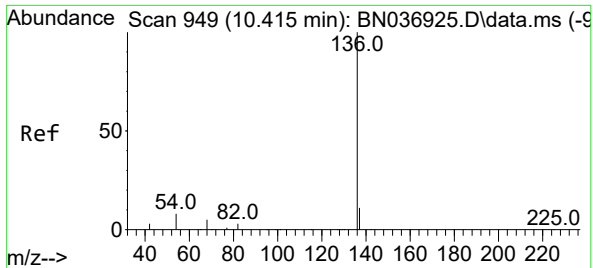
Tgt Ion: 99 Resp: 1298
Ion Ratio Lower Upper
99 100
42 46.3 29.6 44.4#
71 47.3 36.0 54.0



#6
bis(2-Chloroethyl)ether
Concen: 0.386 ng
RT: 7.055 min Scan# 578
Delta R.T. -0.007 min
Lab File: BN036975.D
Acq: 08 May 2025 16:16

Tgt Ion: 93 Resp: 1918
Ion Ratio Lower Upper
93 100
63 86.5 69.0 103.6
95 33.7 25.4 38.0

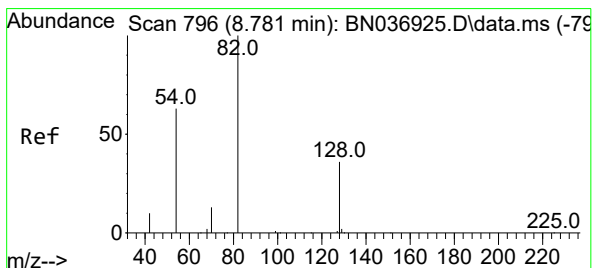
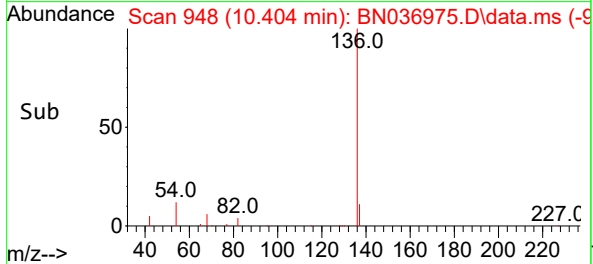
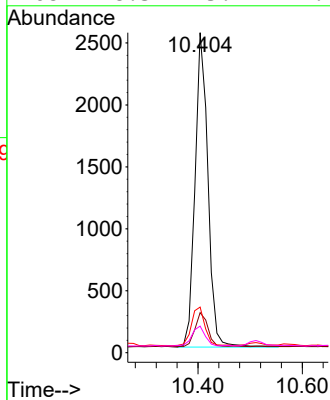
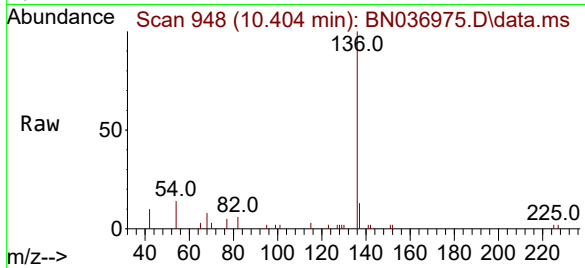




#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.404 min Scan# 949
Delta R.T. -0.011 min
Lab File: BN036975.D
Acq: 08 May 2025 16:16

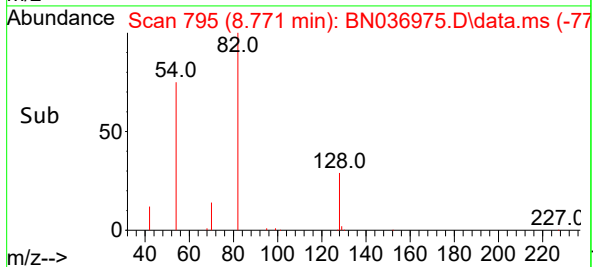
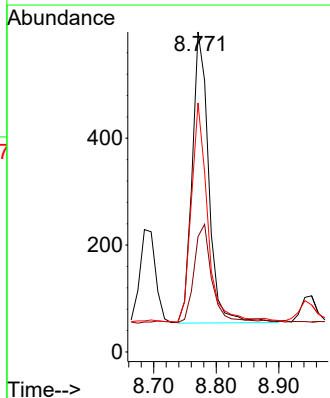
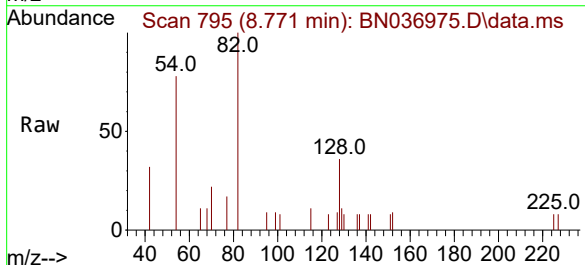
Instrument :
BNA_N
ClientSampleId :
GB2BMS

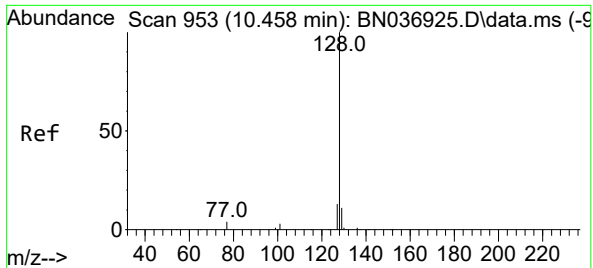
Tgt Ion	136	Resp	4360
Ion	Ratio	Lower	Upper
136	100		
137	12.5	9.7	14.5
54	14.2	8.0	12.0#
68	8.3	5.1	7.7#



#8
Nitrobenzene-d5
Concen: 0.220 ng
RT: 8.771 min Scan# 795
Delta R.T. -0.011 min
Lab File: BN036975.D
Acq: 08 May 2025 16:16

Tgt Ion	82	Resp	1005
Ion	Ratio	Lower	Upper
82	100		
128	36.1	30.7	46.1
54	77.8	52.1	78.1

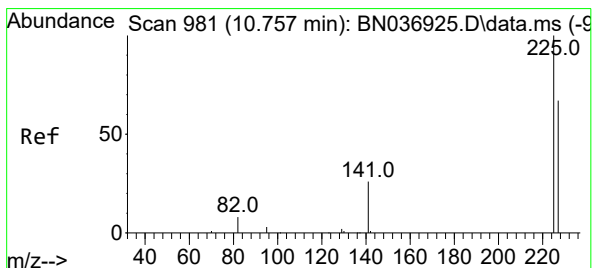
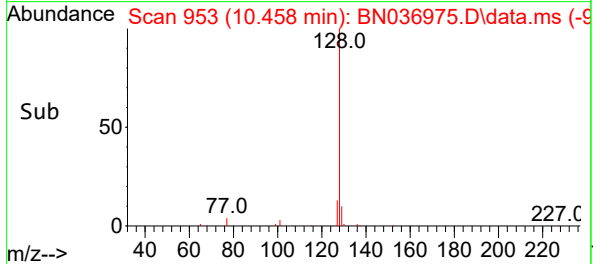
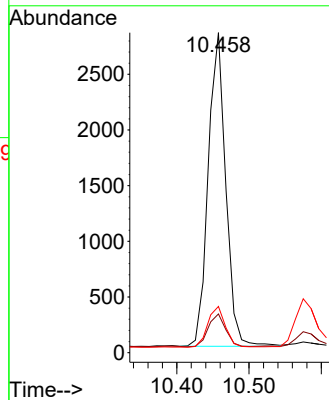
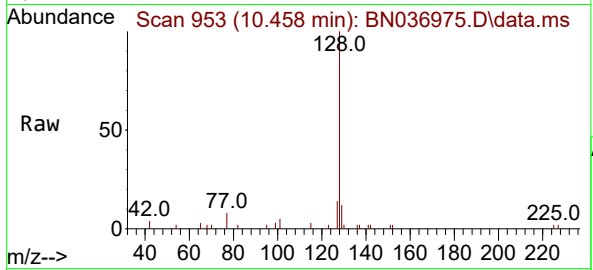




#9
Naphthalene
Concen: 0.375 ng
RT: 10.458 min Scan# 91
Delta R.T. -0.000 min
Lab File: BN036975.D
Acq: 08 May 2025 16:16

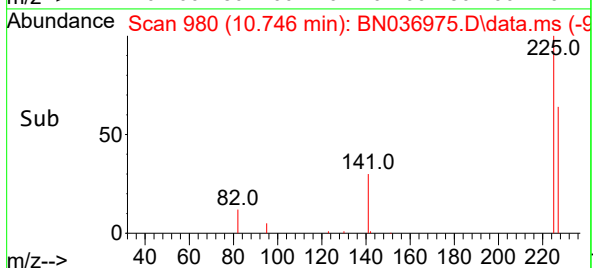
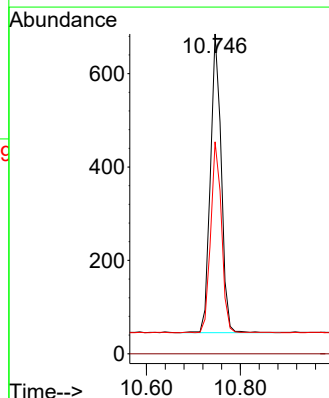
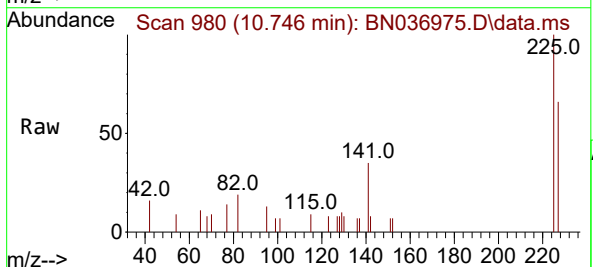
Instrument :
BNA_N
ClientSampleId :
GB2BMS

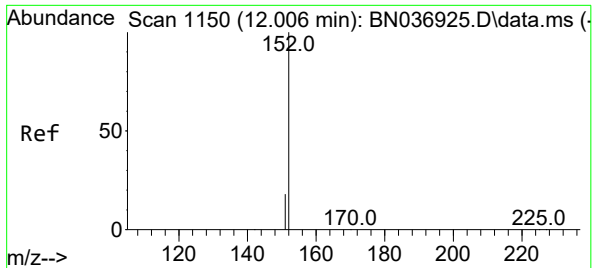
Tgt Ion:128 Resp: 4753
Ion Ratio Lower Upper
128 100
129 12.1 9.8 14.6
127 14.5 11.4 17.2



#10
Hexachlorobutadiene
Concen: 0.373 ng
RT: 10.746 min Scan# 980
Delta R.T. -0.011 min
Lab File: BN036975.D
Acq: 08 May 2025 16:16

Tgt Ion:225 Resp: 1025
Ion Ratio Lower Upper
225 100
223 0.0 0.0 0.0
227 63.9 52.2 78.4

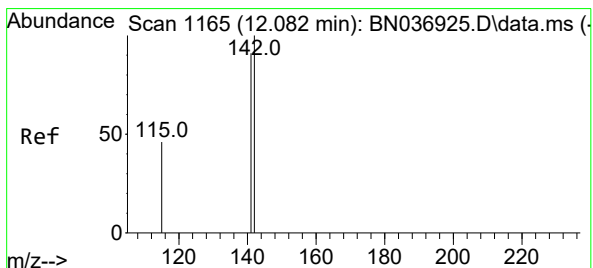
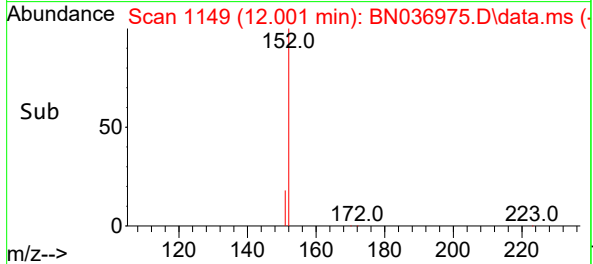
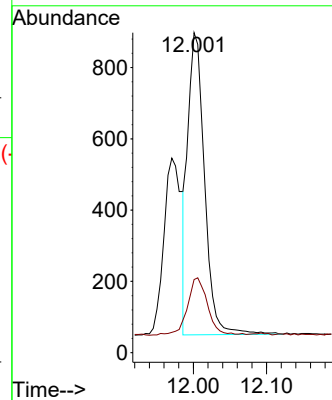
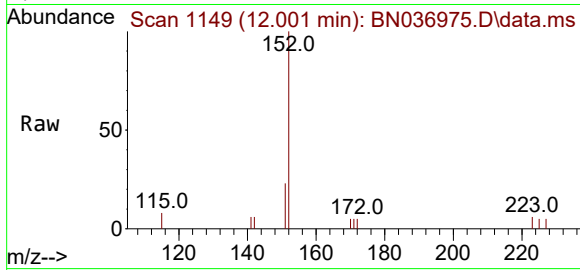




#11
2-Methylnaphthalene-d10
Concen: 0.221 ng
RT: 12.001 min Scan# 1149
Delta R.T. -0.005 min
Lab File: BN036975.D
Acq: 08 May 2025 16:16

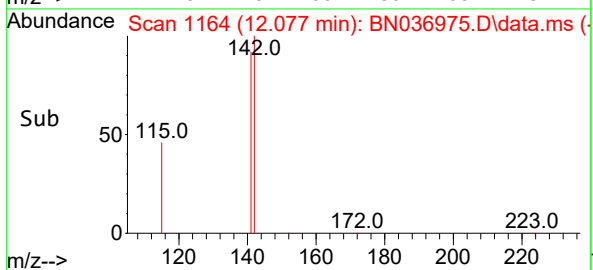
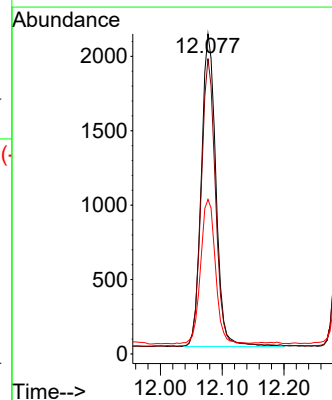
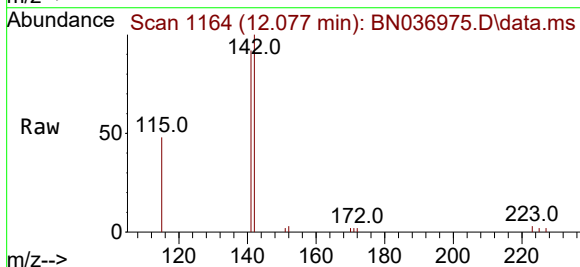
Instrument :
BNA_N
ClientSampleId :
GB2BMS

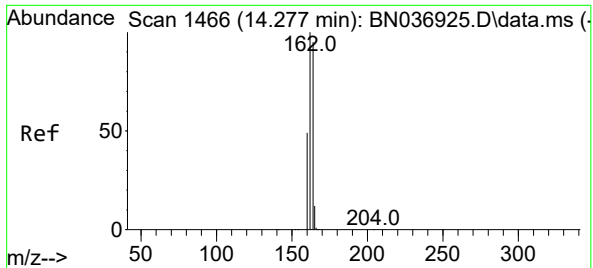
Tgt Ion:152 Resp: 1345
Ion Ratio Lower Upper
152 100
151 22.9 16.9 25.3



#12
2-Methylnaphthalene
Concen: 0.420 ng
RT: 12.077 min Scan# 1164
Delta R.T. -0.005 min
Lab File: BN036975.D
Acq: 08 May 2025 16:16

Tgt Ion:142 Resp: 3444
Ion Ratio Lower Upper
142 100
141 92.3 72.8 109.2
115 48.3 38.2 57.4

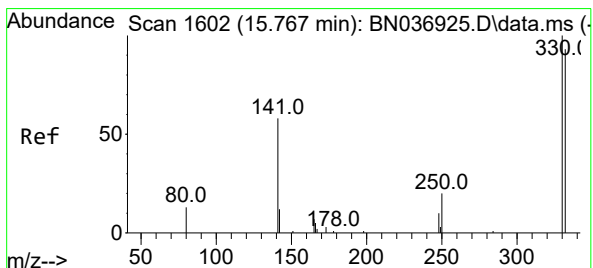
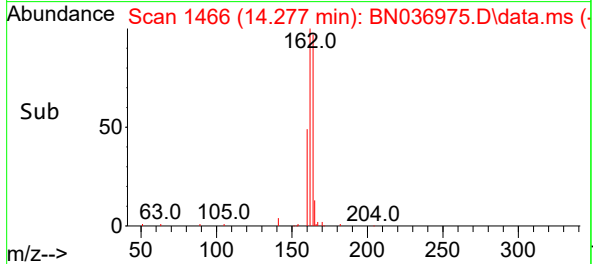
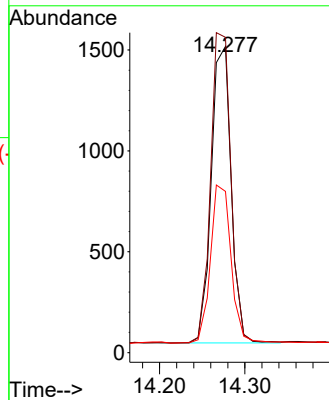
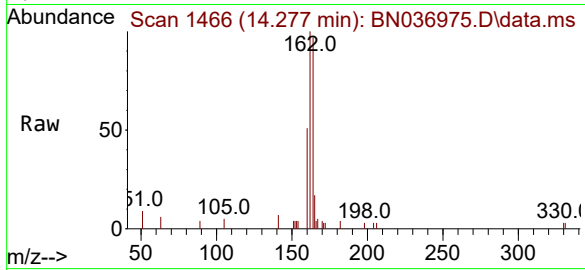




#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.277 min Scan# 1466
Delta R.T. -0.000 min
Lab File: BN036975.D
Acq: 08 May 2025 16:16

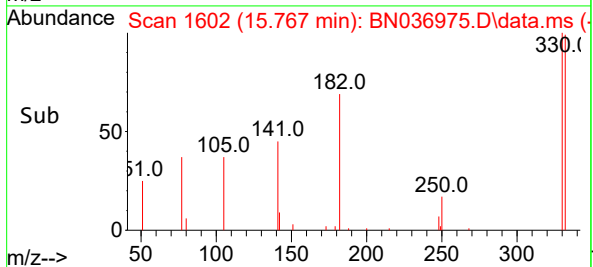
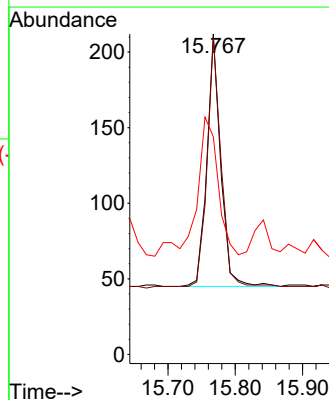
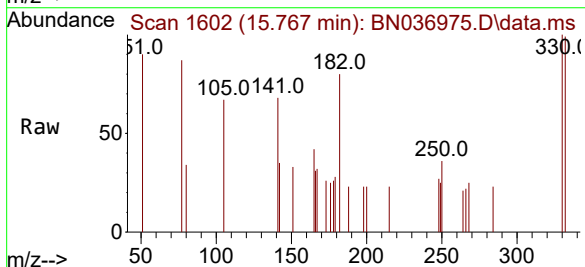
Instrument :
BNA_N
ClientSampleId :
GB2BMS

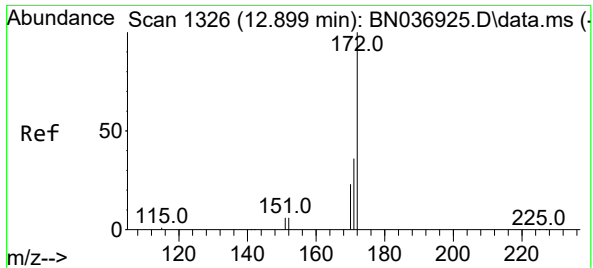
Tgt Ion	164	162	160
Resp:	2385		
Ion Ratio	100	103.0	52.6
Lower		83.8	42.0
Upper		125.8	63.0



#14
2,4,6-Tribromophenol
Concen: 0.224 ng
RT: 15.767 min Scan# 1602
Delta R.T. -0.000 min
Lab File: BN036975.D
Acq: 08 May 2025 16:16

Tgt Ion	330	332	141
Resp:	238		
Ion Ratio	100	98.7	85.7
Lower		76.3	45.4
Upper		114.5	68.2





#15

2-Fluorobiphenyl

Concen: 0.194 ng

RT: 12.893 min Scan# 11

Delta R.T. -0.005 min

Lab File: BN036975.D

Acq: 08 May 2025 16:16

Instrument :

BNA_N

ClientSampleId :

GB2BMS

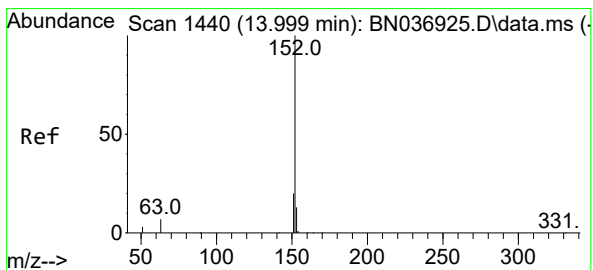
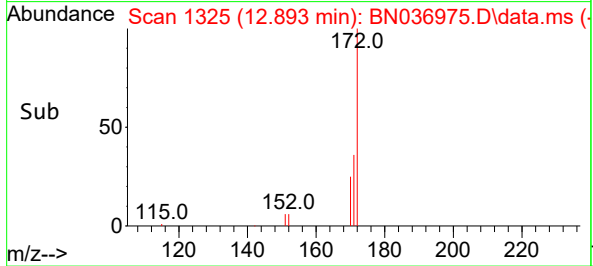
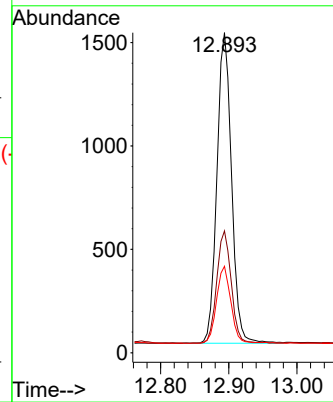
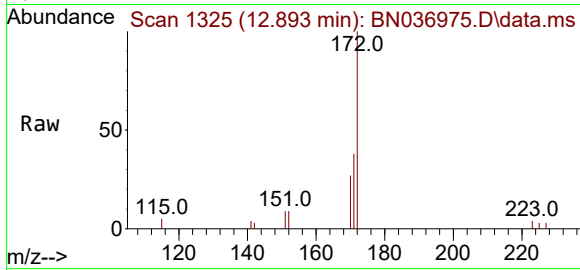
Tgt Ion:172 Resp: 2233

Ion	Ratio	Lower	Upper
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172	100		
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171	38.0	29.4	44.0
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170	27.0	19.4	29.0
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#16

Acenaphthylene

Concen: 0.391 ng

RT: 13.989 min Scan# 1439

Delta R.T. -0.011 min

Lab File: BN036975.D

Acq: 08 May 2025 16:16

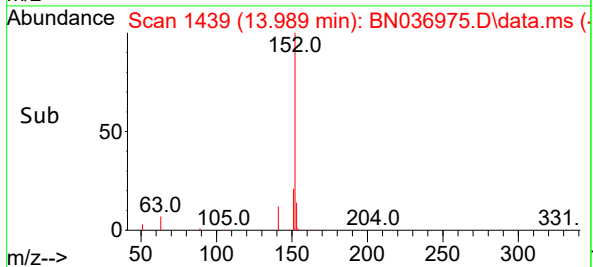
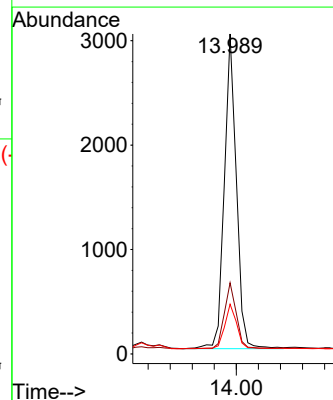
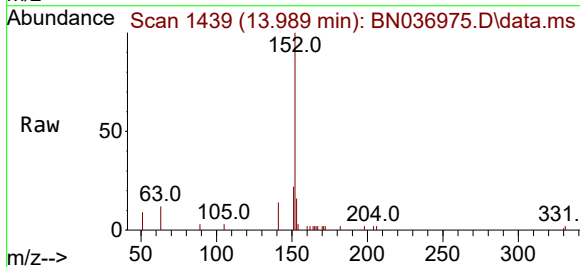
Tgt Ion:152 Resp: 4556

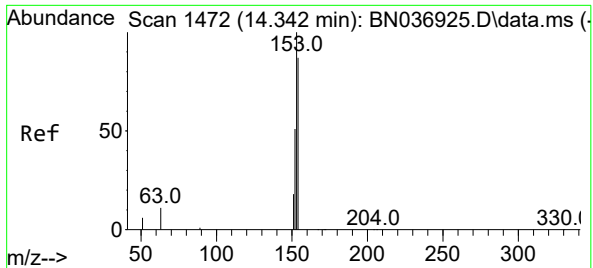
Ion	Ratio	Lower	Upper
-----	-------	-------	-------

152	100		
-----	-----	--	--

151	20.6	16.0	24.0
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153	14.6	10.2	15.2
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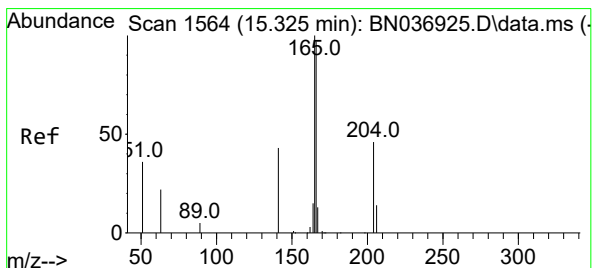
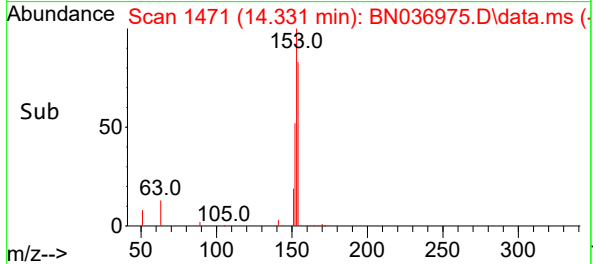
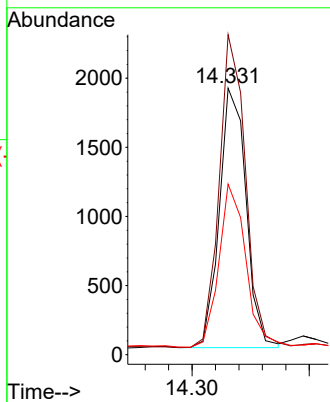
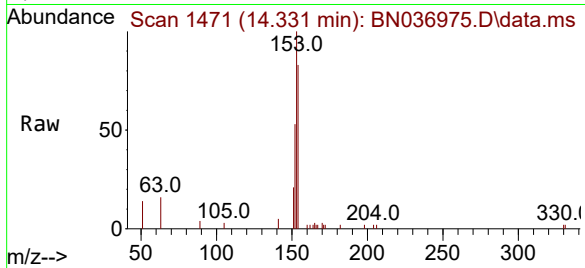




#17
Acenaphthene
Concen: 0.388 ng
RT: 14.331 min Scan# 1471
Delta R.T. -0.011 min
Lab File: BN036975.D
Acq: 08 May 2025 16:16

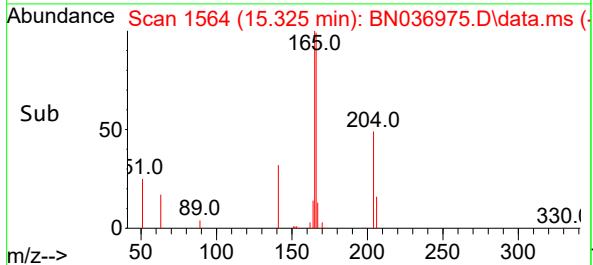
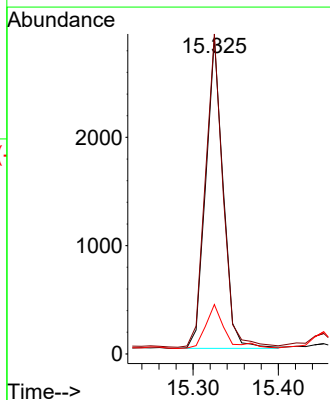
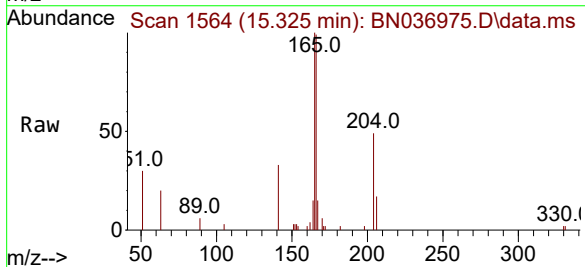
Instrument :
BNA_N
ClientSampleId :
GB2BMS

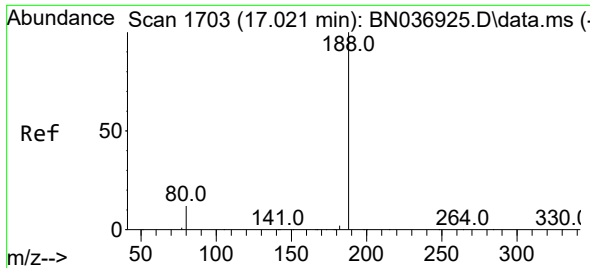
Tgt Ion:154 Resp: 2973
Ion Ratio Lower Upper
154 100
153 118.5 93.4 140.2
152 63.5 49.5 74.3



#18
Fluorene
Concen: 0.406 ng
RT: 15.325 min Scan# 1564
Delta R.T. -0.000 min
Lab File: BN036975.D
Acq: 08 May 2025 16:16

Tgt Ion:166 Resp: 4067
Ion Ratio Lower Upper
166 100
165 101.5 80.8 121.2
167 15.7 10.8 16.2

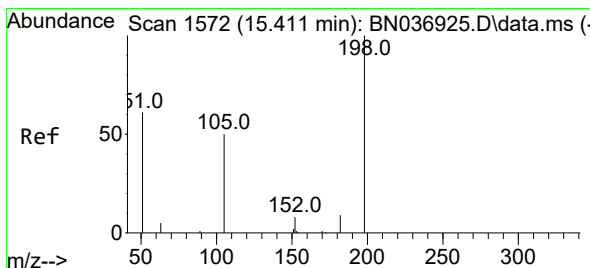
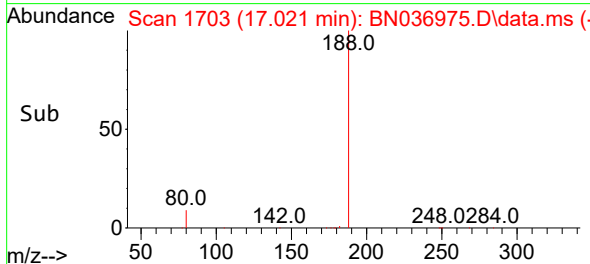
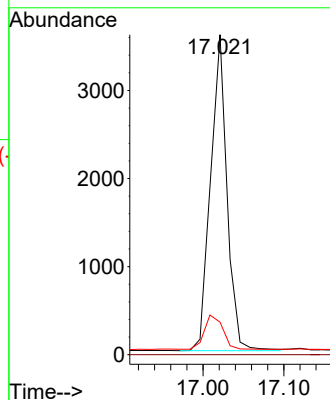
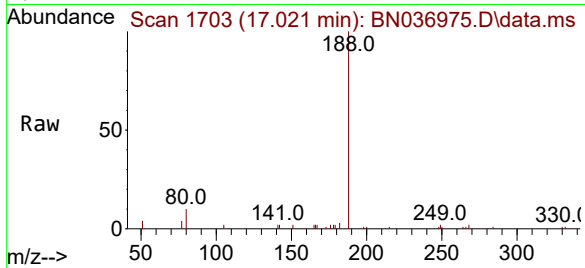




#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.021 min Scan# 1703
Delta R.T. -0.000 min
Lab File: BN036975.D
Acq: 08 May 2025 16:16

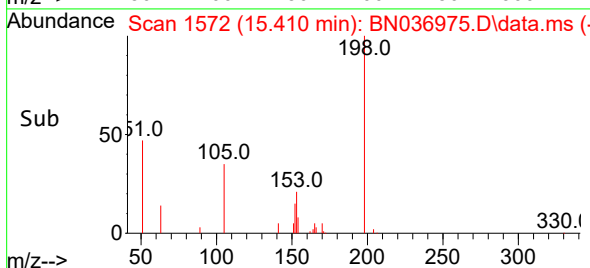
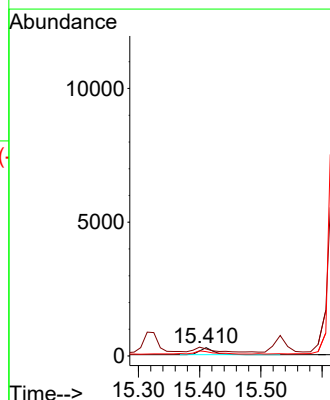
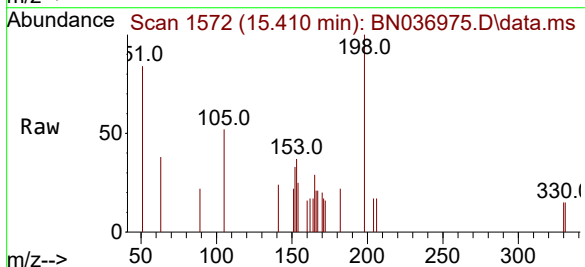
Instrument :
BNA_N
ClientSampleId :
GB2BMS

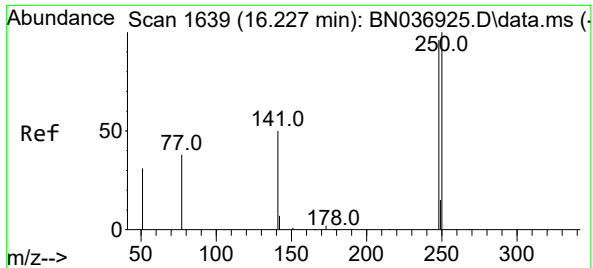
Tgt Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	10.2	10.7	16.1#



#20
4,6-Dinitro-2-methylphenol
Concen: 0.322 ng
RT: 15.410 min Scan# 1572
Delta R.T. -0.001 min
Lab File: BN036975.D
Acq: 08 May 2025 16:16

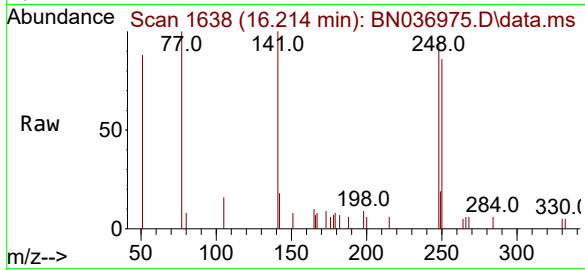
Tgt Ion	Ratio	Lower	Upper
198	100		
51	84.5	97.9	146.9#
105	52.1	50.0	75.0



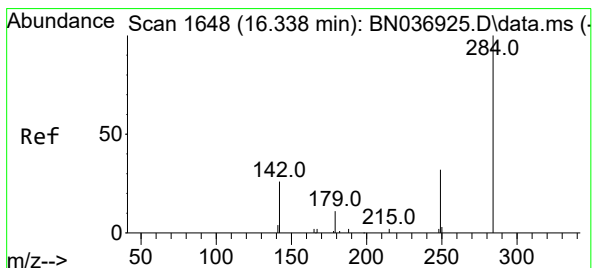
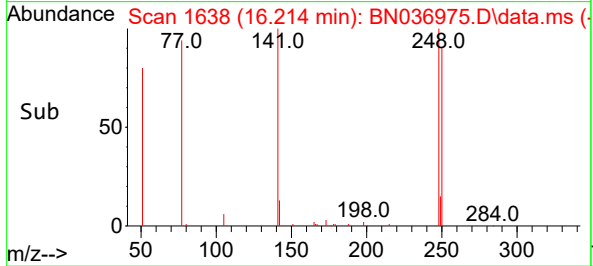
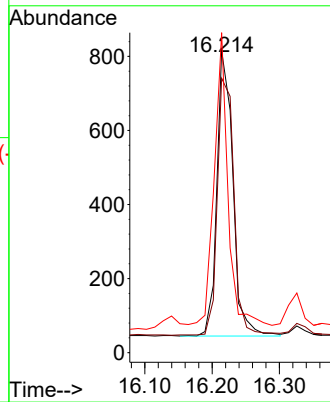


#21
4-Bromophenyl-phenylether
Concen: 0.374 ng
RT: 16.214 min Scan# 1638
Delta R.T. -0.013 min
Lab File: BN036975.D
Acq: 08 May 2025 16:16

Instrument :
BNA_N
ClientSampleId :
GB2BMS

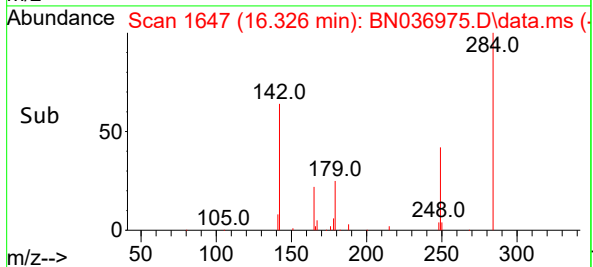
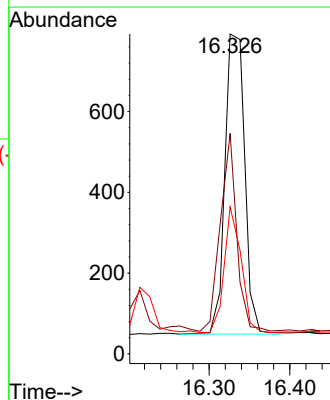
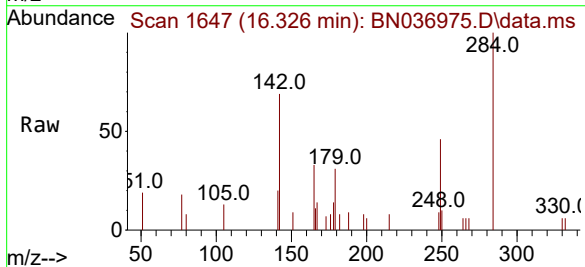


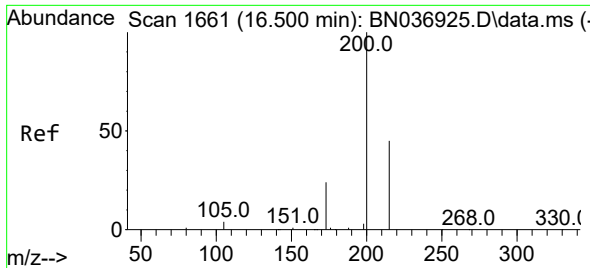
Tgt Ion:248 Resp: 1264
Ion Ratio Lower Upper
248 100
250 90.9 83.7 125.5
141 106.0 43.8 65.8#



#22
Hexachlorobenzene
Concen: 0.342 ng
RT: 16.326 min Scan# 1647
Delta R.T. -0.013 min
Lab File: BN036975.D
Acq: 08 May 2025 16:16

Tgt Ion:284 Resp: 1266
Ion Ratio Lower Upper
284 100
142 54.1 40.0 60.0
249 35.7 28.2 42.2

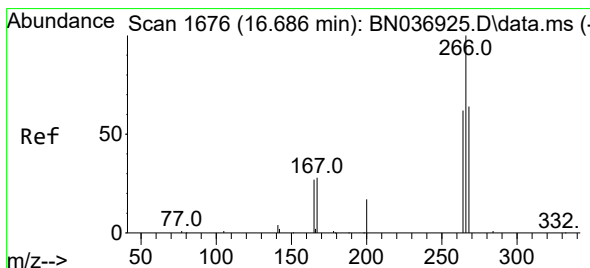
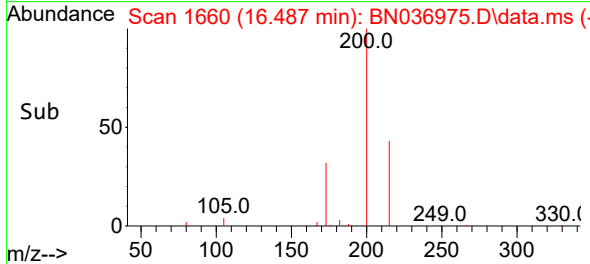
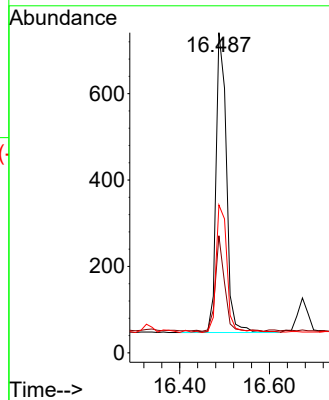
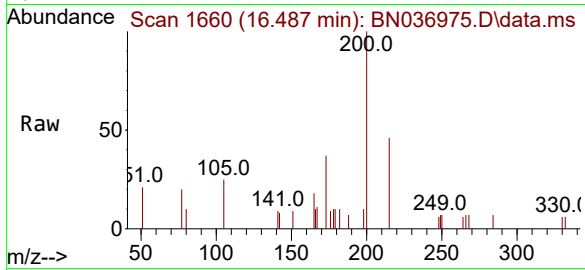




#23
Atrazine
Concen: 0.407 ng
RT: 16.487 min Scan# 1660
Delta R.T. -0.013 min
Lab File: BN036975.D
Acq: 08 May 2025 16:16

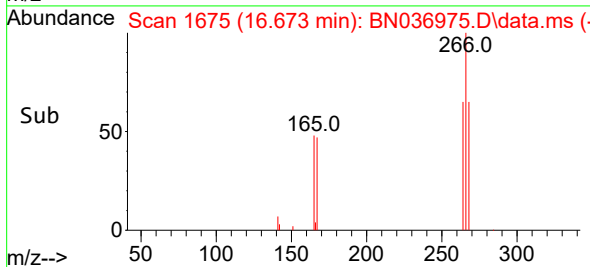
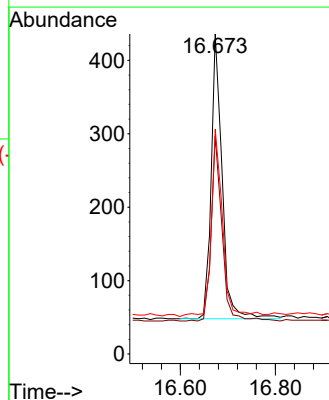
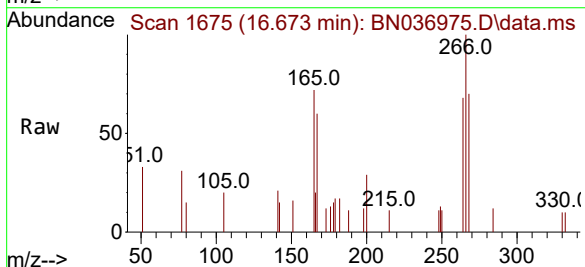
Instrument :
BNA_N
ClientSampleId :
GB2BMS

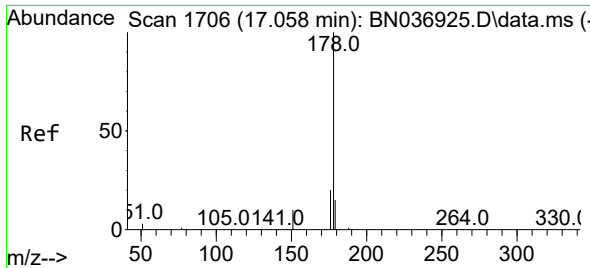
Tgt Ion:200 Resp: 1110
Ion Ratio Lower Upper
200 100
173 36.6 22.4 33.6#
215 46.2 38.6 57.8



#24
Pentachlorophenol
Concen: 0.314 ng
RT: 16.673 min Scan# 1675
Delta R.T. -0.013 min
Lab File: BN036975.D
Acq: 08 May 2025 16:16

Tgt Ion:266 Resp: 623
Ion Ratio Lower Upper
266 100
264 63.4 49.9 74.9
268 67.6 52.2 78.4

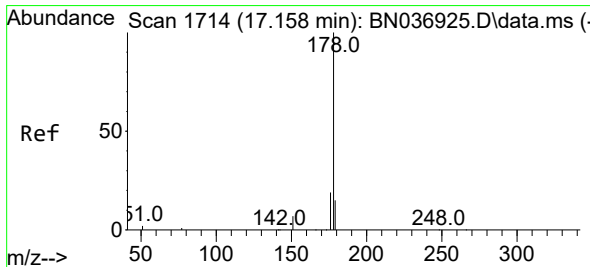
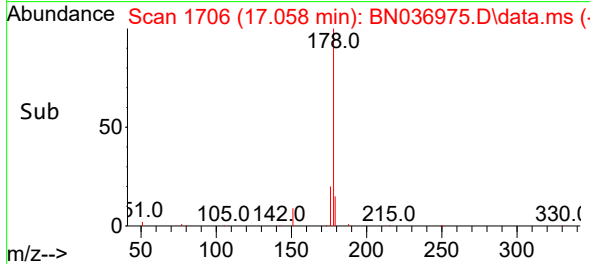
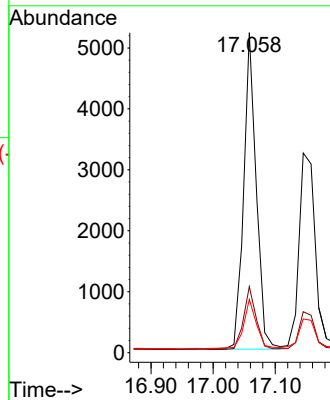
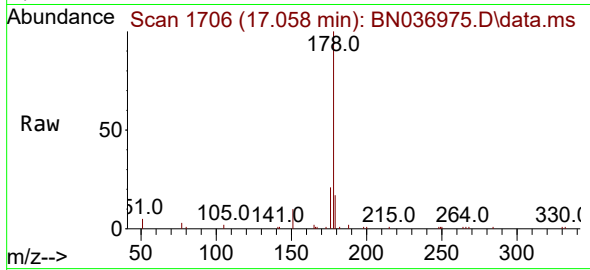




#25
Phenanthrene
Concen: 0.438 ng
RT: 17.058 min Scan# 1712
Delta R.T. -0.000 min
Lab File: BN036975.D
Acq: 08 May 2025 16:16

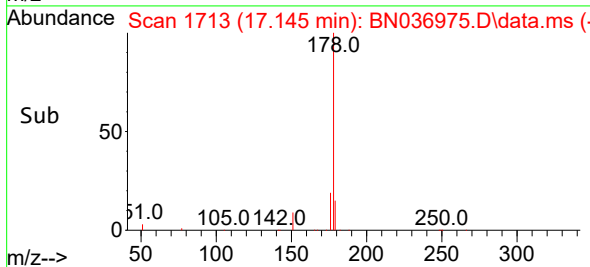
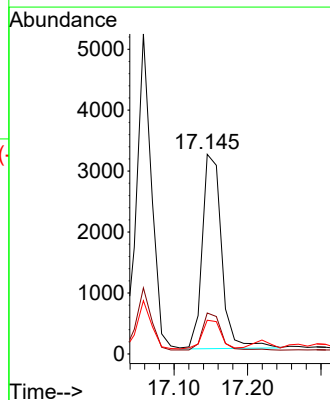
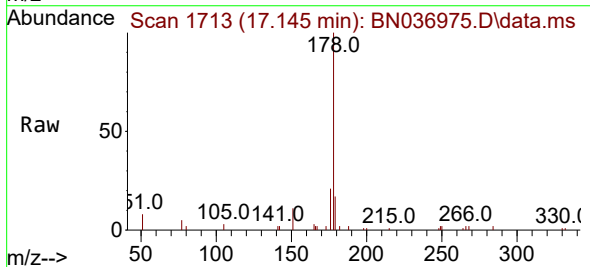
Instrument :
BNA_N
ClientSampleId :
GB2BMS

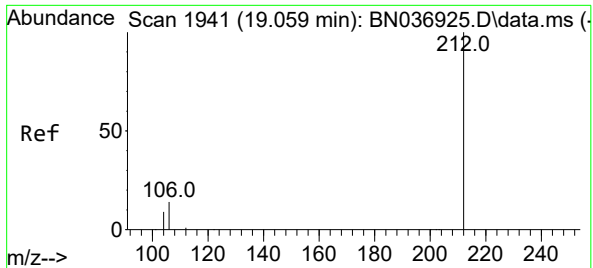
Tgt Ion:178 Resp: 7313
Ion Ratio Lower Upper
178 100
176 19.8 15.7 23.5
179 16.4 12.4 18.6



#26
Anthracene
Concen: 0.386 ng
RT: 17.145 min Scan# 1713
Delta R.T. -0.013 min
Lab File: BN036975.D
Acq: 08 May 2025 16:16

Tgt Ion:178 Resp: 5839
Ion Ratio Lower Upper
178 100
176 18.9 15.3 22.9
179 14.2 12.1 18.1





#27

Fluoranthene-d10

Concen: 0.229 ng

RT: 19.054 min Scan# 1941

Delta R.T. -0.005 min

Lab File: BN036975.D

Acq: 08 May 2025 16:16

Instrument :

BNA_N

ClientSampleId :

GB2BMS

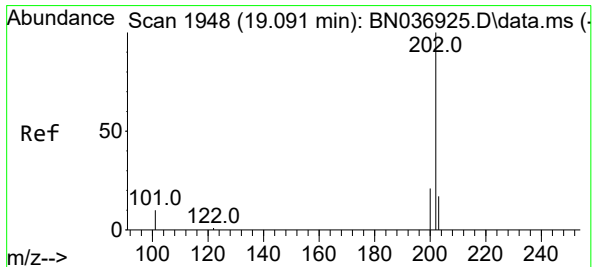
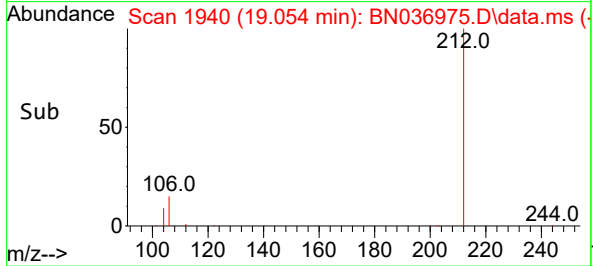
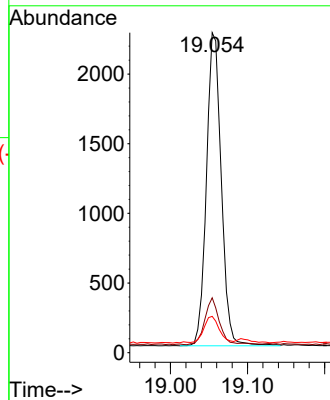
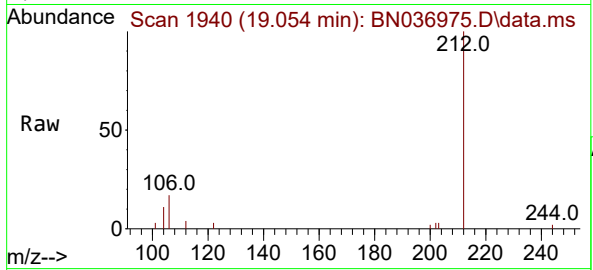
Tgt Ion:212 Resp: 3006

Ion Ratio Lower Upper

212 100

106 14.9 11.6 17.4

104 9.1 7.0 10.4



#28

Fluoranthene

Concen: 0.388 ng

RT: 19.087 min Scan# 1947

Delta R.T. -0.005 min

Lab File: BN036975.D

Acq: 08 May 2025 16:16

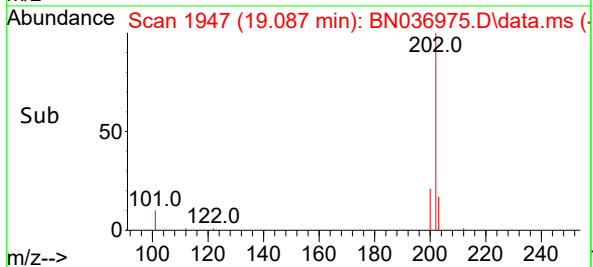
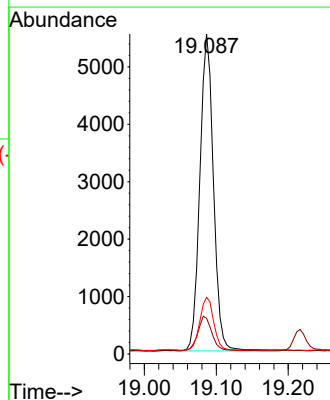
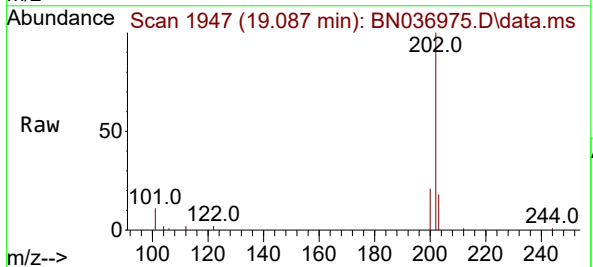
Tgt Ion:202 Resp: 7262

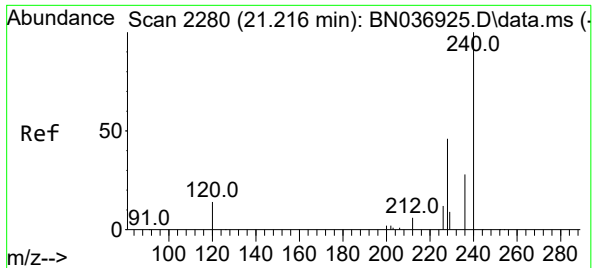
Ion Ratio Lower Upper

202 100

101 11.1 8.5 12.7

203 17.0 13.7 20.5





#29

Chrysene-d12

Concen: 0.400 ng

RT: 21.215 min Scan# 21

Delta R.T. -0.000 min

Lab File: BN036975.D

Acq: 08 May 2025 16:16

Instrument :

BNA_N

ClientSampleId :

GB2BMS

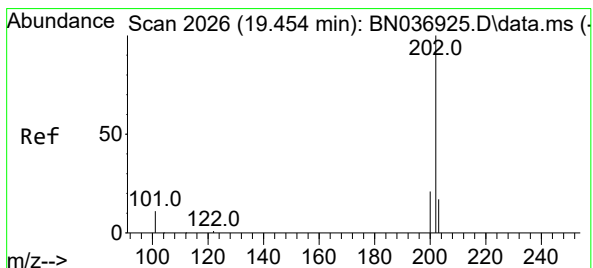
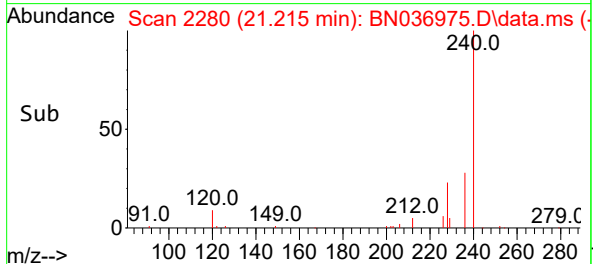
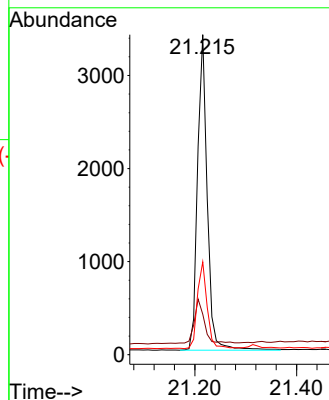
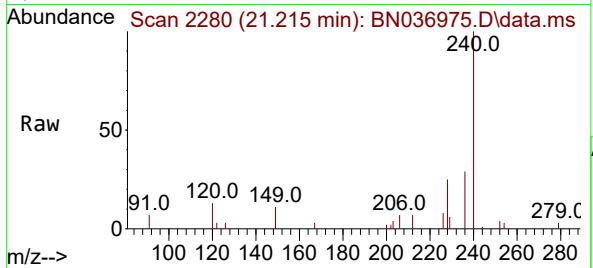
Tgt Ion:240 Resp: 4471

Ion Ratio Lower Upper

240 100

120 12.7 14.1 21.1#

236 29.0 23.8 35.8



#30

Pyrene

Concen: 0.356 ng

RT: 19.449 min Scan# 2025

Delta R.T. -0.005 min

Lab File: BN036975.D

Acq: 08 May 2025 16:16

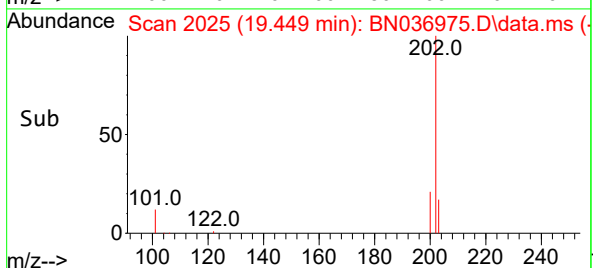
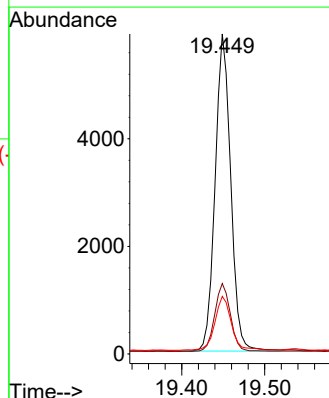
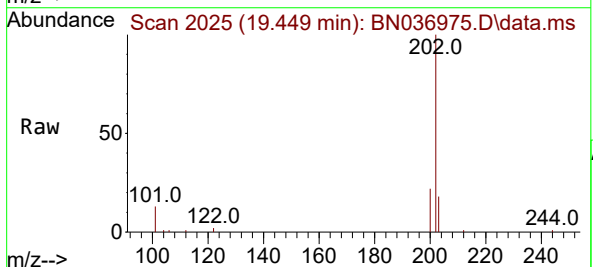
Tgt Ion:202 Resp: 7672

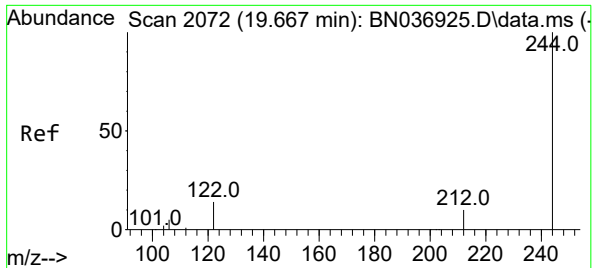
Ion Ratio Lower Upper

202 100

200 21.5 17.0 25.6

203 17.9 14.0 21.0

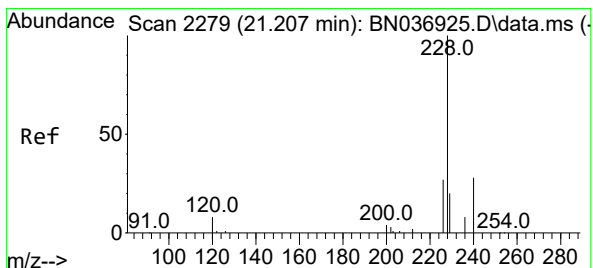
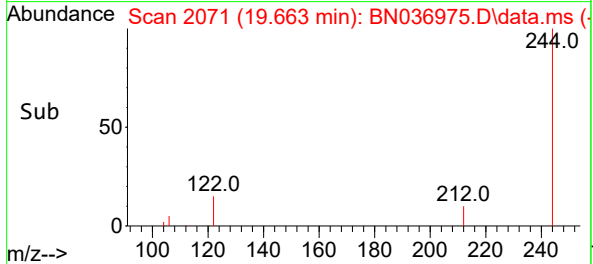
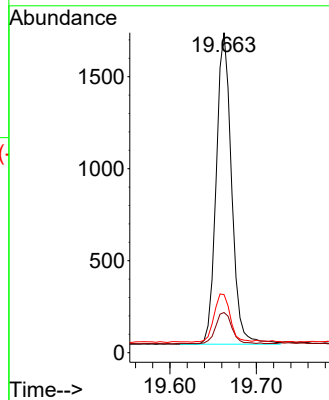
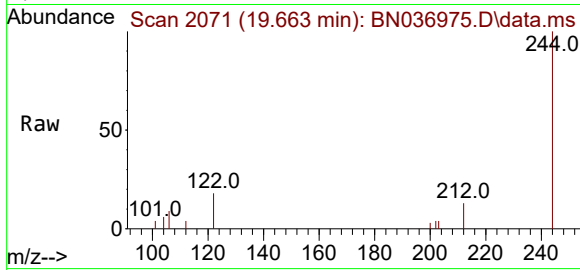




#31
Terphenyl-d14
Concen: 0.198 ng
RT: 19.663 min Scan# 2072
Delta R.T. -0.005 min
Lab File: BN036975.D
Acq: 08 May 2025 16:16

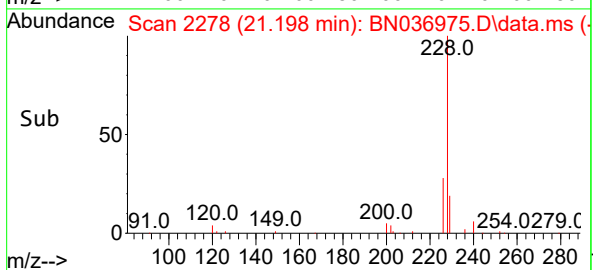
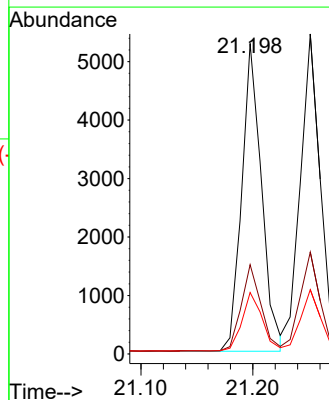
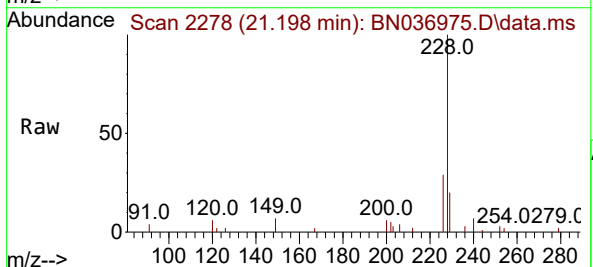
Instrument :
BNA_N
ClientSampleId :
GB2BMS

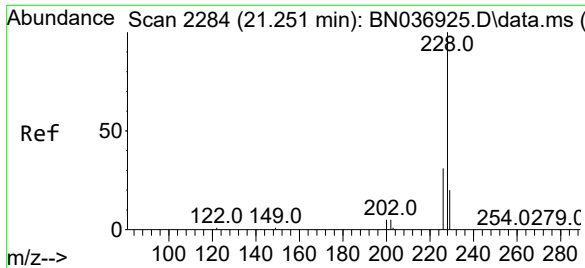
Tgt Ion:244 Resp: 2092
Ion Ratio Lower Upper
244 100
212 12.5 9.6 14.4
122 18.2 12.7 19.1



#32
Benzo(a)anthracene
Concen: 0.393 ng
RT: 21.198 min Scan# 2278
Delta R.T. -0.009 min
Lab File: BN036975.D
Acq: 08 May 2025 16:16

Tgt Ion:228 Resp: 6467
Ion Ratio Lower Upper
228 100
226 28.7 22.2 33.4
229 19.8 16.4 24.6





#33

Chrysene

Concen: 0.397 ng

RT: 21.251 min Scan# 21

Delta R.T. -0.000 min

Lab File: BN036975.D

Acq: 08 May 2025 16:16

Instrument :

BNA_N

ClientSampleId :

GB2BMS

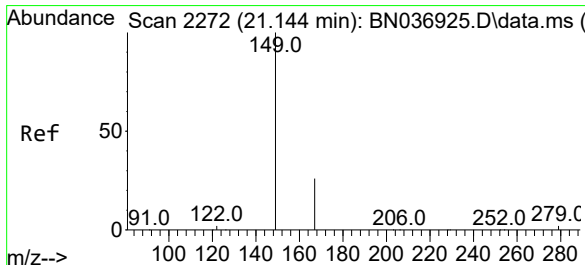
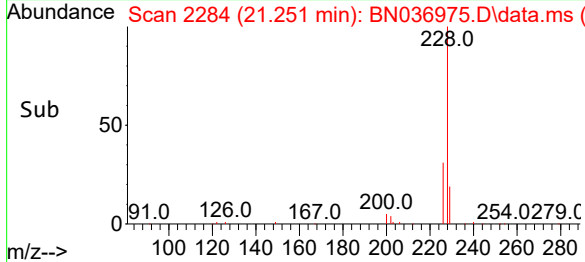
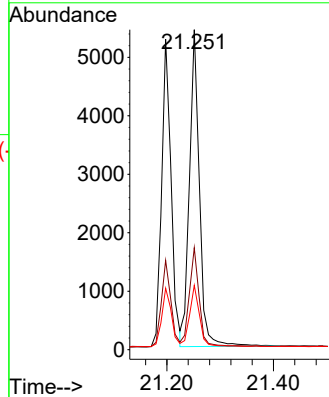
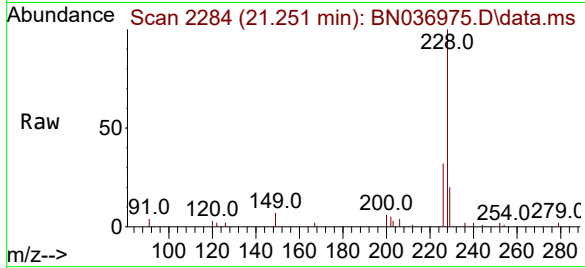
Tgt Ion:228 Resp: 7045

Ion Ratio Lower Upper

228 100

226 31.8 25.5 38.3

229 20.1 16.5 24.7



#34

Bis(2-ethylhexyl)phthalate

Concen: 0.737 ng

RT: 21.144 min Scan# 2272

Delta R.T. -0.000 min

Lab File: BN036975.D

Acq: 08 May 2025 16:16

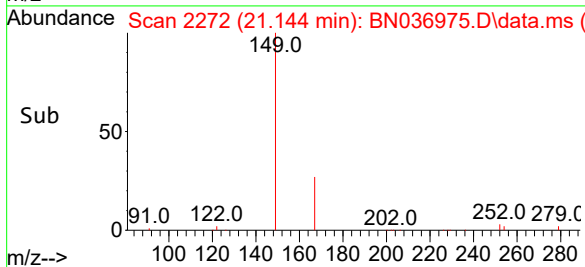
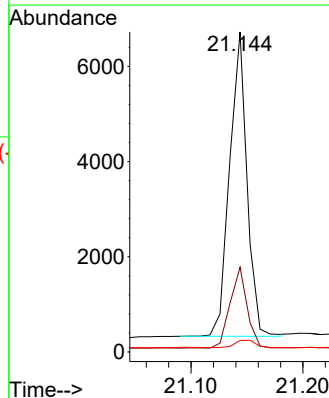
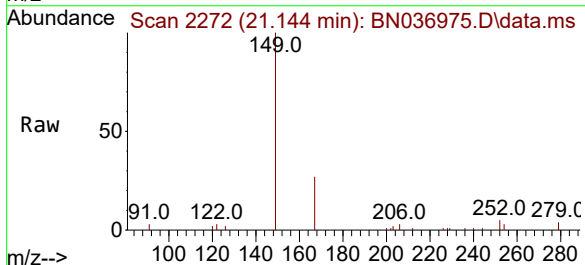
Tgt Ion:149 Resp: 6904

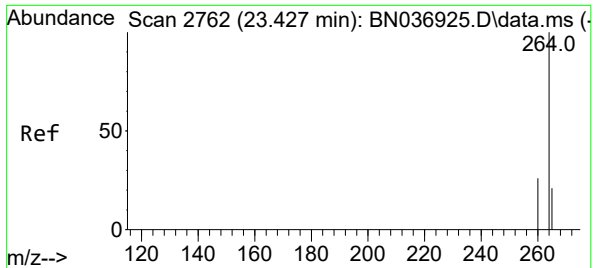
Ion Ratio Lower Upper

149 100

167 26.0 21.0 31.6

279 2.9 2.7 4.1

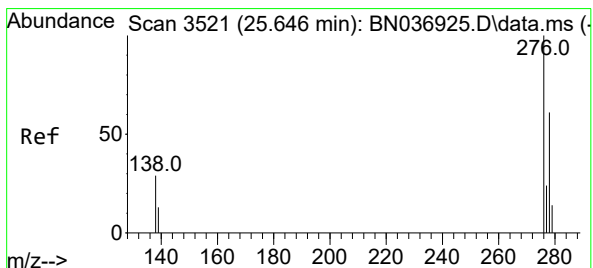
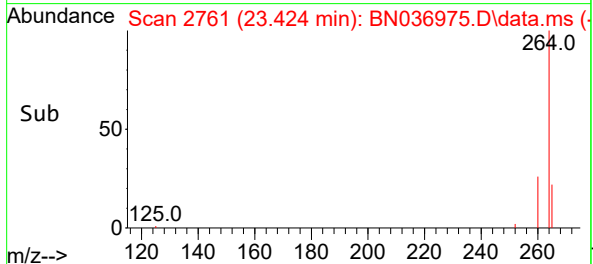
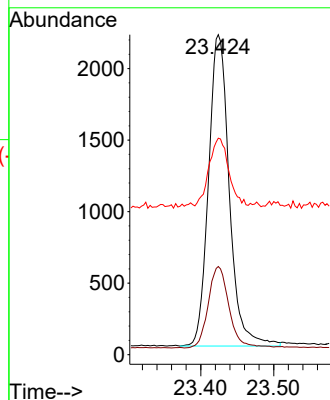
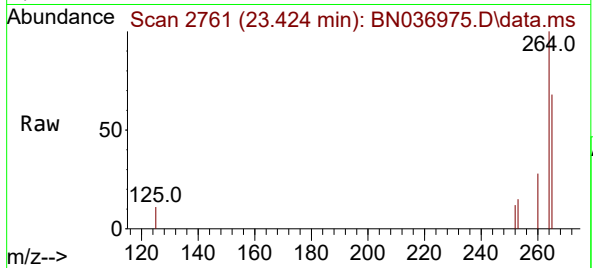




#35
Perylene-d12
Concen: 0.400 ng
RT: 23.424 min Scan# 21
Delta R.T. -0.003 min
Lab File: BN036975.D
Acq: 08 May 2025 16:16

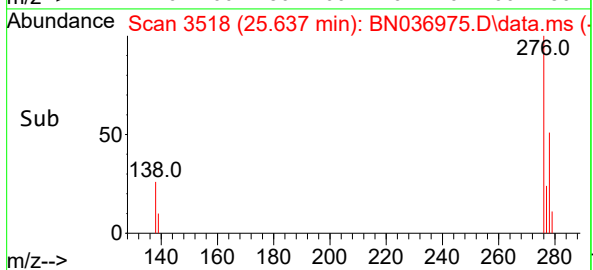
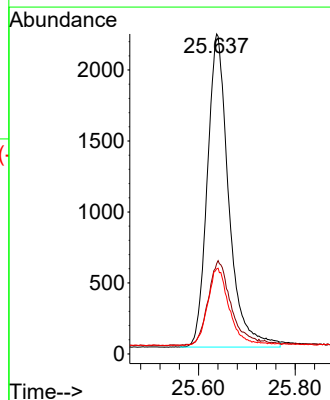
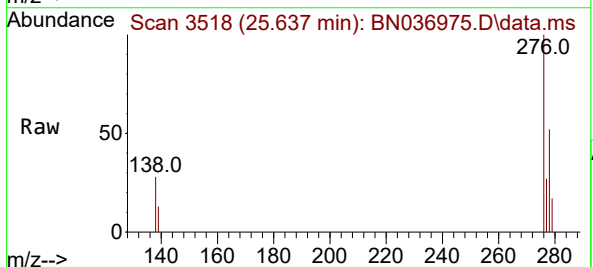
Instrument :
BNA_N
ClientSampleId :
GB2BMS

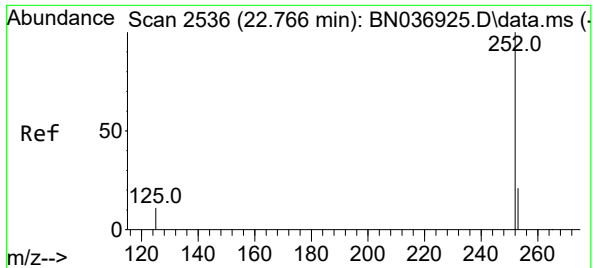
Tgt Ion:264 Resp: 4298
Ion Ratio Lower Upper
264 100
260 27.5 22.2 33.2
265 67.6 65.8 98.6



#36
Indeno(1,2,3-cd)pyrene
Concen: 0.386 ng
RT: 25.637 min Scan# 3518
Delta R.T. -0.009 min
Lab File: BN036975.D
Acq: 08 May 2025 16:16

Tgt Ion:276 Resp: 6779
Ion Ratio Lower Upper
276 100
138 28.5 23.0 34.6
277 24.6 20.0 30.0

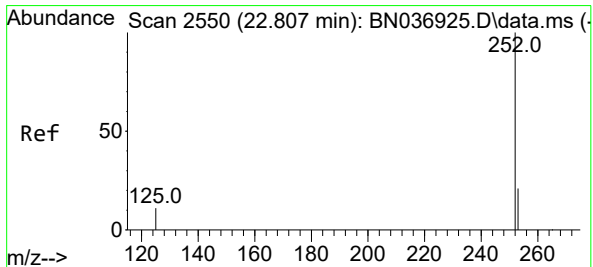
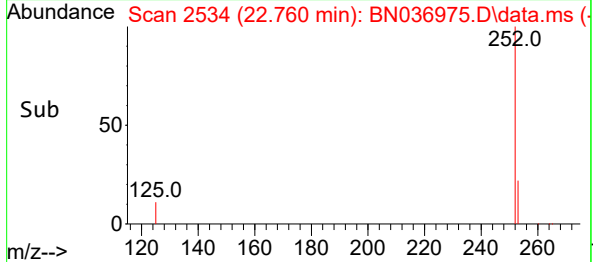
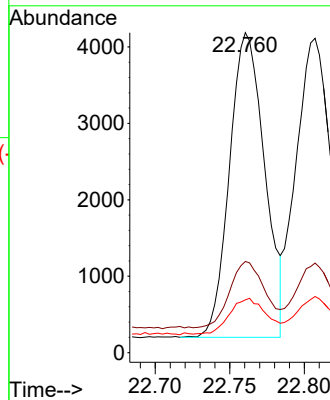
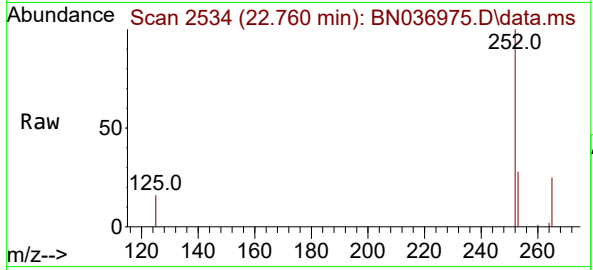




#37
Benzo(b)fluoranthene
Concen: 0.362 ng
RT: 22.760 min Scan# 2536
Delta R.T. -0.006 min
Lab File: BN036975.D
Acq: 08 May 2025 16:16

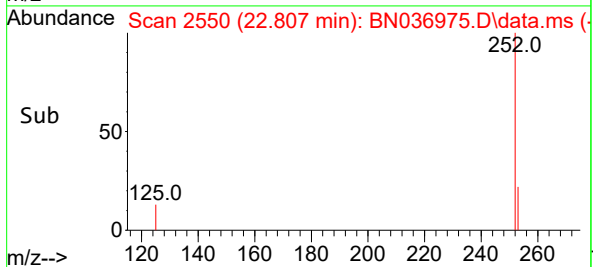
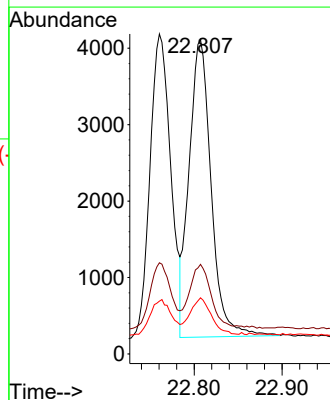
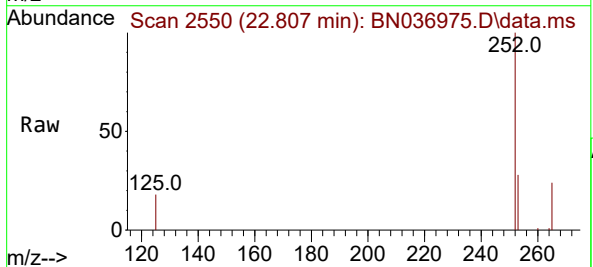
Instrument :
BNA_N
ClientSampleId :
GB2BMS

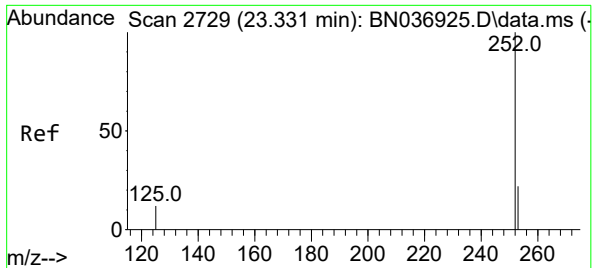
Tgt Ion:252 Resp: 6538
Ion Ratio Lower Upper
252 100
253 28.5 22.1 33.1
125 16.5 14.2 21.2



#38
Benzo(k)fluoranthene
Concen: 0.373 ng
RT: 22.807 min Scan# 2550
Delta R.T. -0.000 min
Lab File: BN036975.D
Acq: 08 May 2025 16:16

Tgt Ion:252 Resp: 6781
Ion Ratio Lower Upper
252 100
253 28.5 22.8 34.2
125 17.9 14.2 21.2





#39

Benzo(a)pyrene

Concen: 0.391 ng

RT: 23.328 min Scan# 21

Delta R.T. -0.003 min

Lab File: BN036975.D

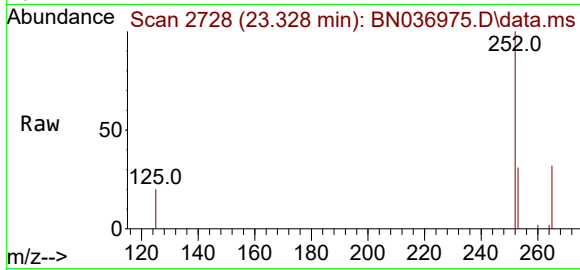
Acq: 08 May 2025 16:16

Instrument :

BNA_N

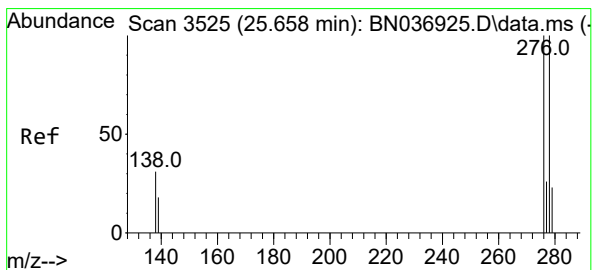
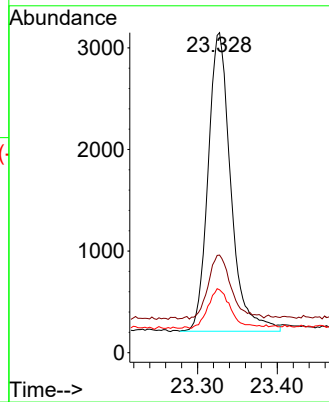
ClientSampleId :

GB2BMS



Tgt Ion:252 Resp: 5810

Ion	Ratio	Lower	Upper
252	100		
253	30.5	25.9	38.9
125	19.7	17.4	26.0



#40

Dibenzo(a,h)anthracene

Concen: 0.373 ng

RT: 25.655 min Scan# 3524

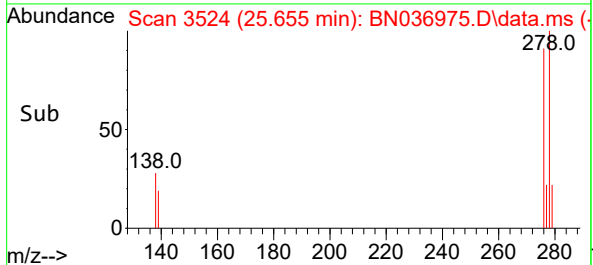
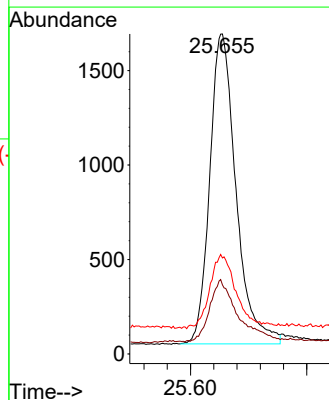
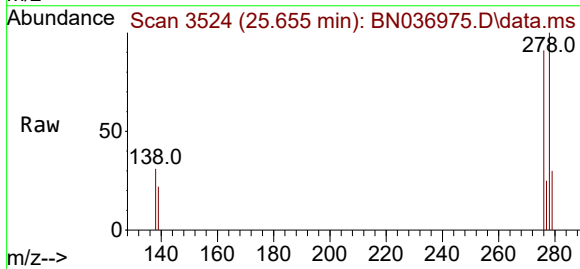
Delta R.T. -0.003 min

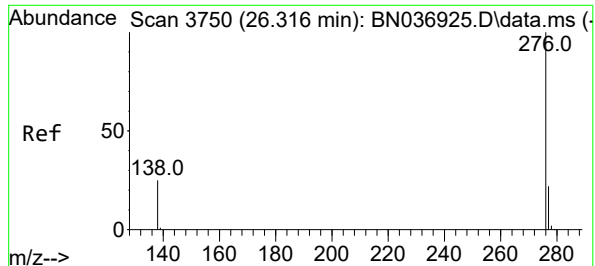
Lab File: BN036975.D

Acq: 08 May 2025 16:16

Tgt Ion:278 Resp: 5158

Ion	Ratio	Lower	Upper
278	100		
139	21.6	17.4	26.2
279	30.0	24.9	37.3





#41

Benzo(g,h,i)perylene

Concen: 0.348 ng

RT: 26.318 min Scan# 31

Delta R.T. 0.003 min

Lab File: BN036975.D

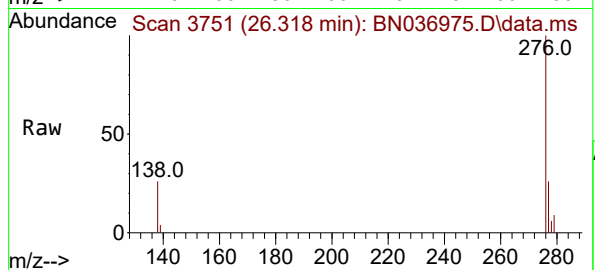
Acq: 08 May 2025 16:16

Instrument :

BNA_N

ClientSampleId :

GB2BMS



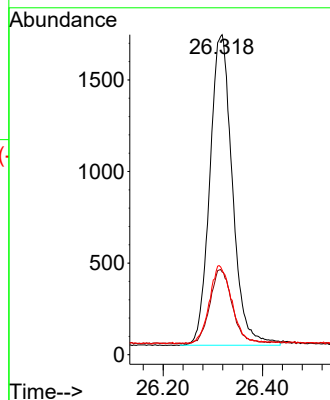
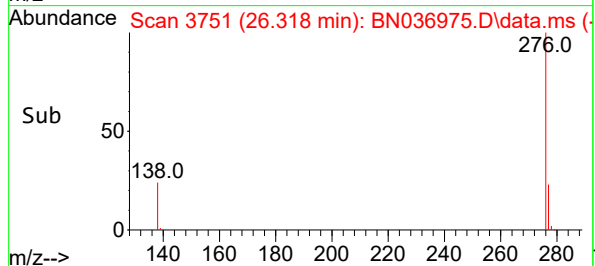
Tgt Ion:276 Resp: 5341

Ion Ratio Lower Upper

276 100

277 25.9 20.2 30.2

138 26.4 21.9 32.9



Report of Analysis

Client:	G Environmental	Date Collected:	05/01/25
Project:	Amsterdam	Date Received:	05/01/25
Client Sample ID:	GB2BMSD	SDG No.:	Q1939
Lab Sample ID:	Q1939-04MSD	Matrix:	SOIL
Analytical Method:	SW8270ESIM	% Solid:	85.4
Sample Wt/Vol:	30.04 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
BN036976.D	1	05/08/25 10:03	05/08/25 16:53	PB167915

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
123-91-1	1,4-Dioxane	13.4		1.80	7.70	ug/Kg
SURROGATES						
7297-45-2	2-Methylnaphthalene-d10	0.23		30 (17) - 150 (161)	56%	SPK: 0.4
93951-69-0	Fluoranthene-d10	0.23		30 (23) - 150 (138)	58%	SPK: 0.4
4165-60-0	Nitrobenzene-d5	0.22		30 (33) - 130 (121)	55%	SPK: 0.4
321-60-8	2-Fluorobiphenyl	0.19		30 (32) - 130 (121)	49%	SPK: 0.4
1718-51-0	Terphenyl-d14	0.20		30 (21) - 130 (130)	50%	SPK: 0.4
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	1750	7.625			
1146-65-2	Naphthalene-d8	4440	10.404			
15067-26-2	Acenaphthene-d10	2460	14.277			
1517-22-2	Phenanthrene-d10	5140	17.021			
1719-03-5	Chrysene-d12	4530	21.215			
1520-96-3	Perylene-d12	4360	23.421			

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN050825\
 Data File : BN036976.D
 Acq On : 08 May 2025 16:53
 Operator : RC/JU
 Sample : Q1939-04MSD
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 GB2BMSD

Quant Time: May 08 18:27:44 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN042825.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Apr 28 15:35:03 2025
 Response via : Initial Calibration

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

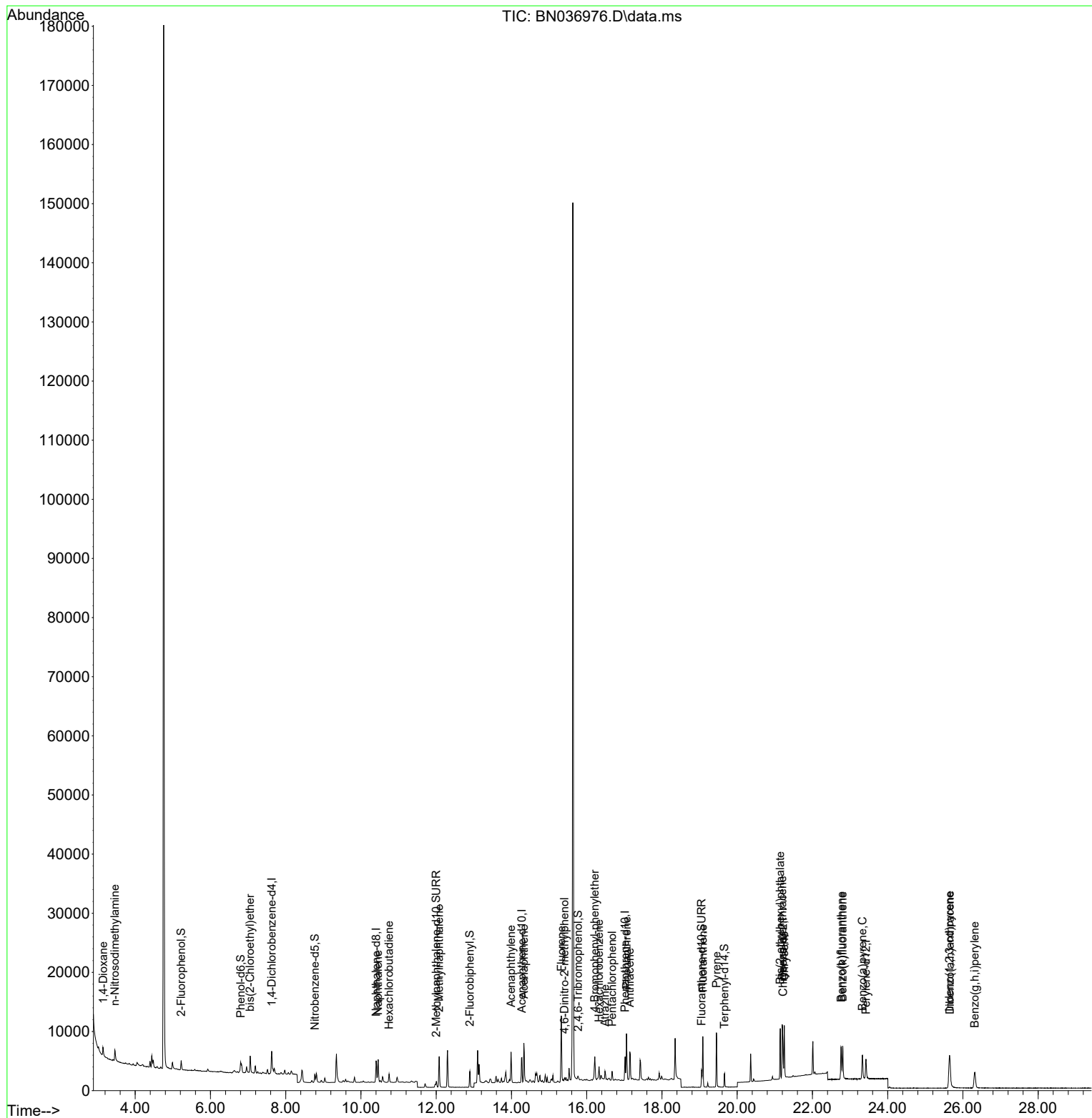
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.625	152	1746	0.400	ng	0.00
7) Naphthalene-d8	10.404	136	4442	0.400	ng	#-0.01
13) Acenaphthene-d10	14.277	164	2456	0.400	ng	0.00
19) Phenanthrene-d10	17.021	188	5135	0.400	ng	0.00
29) Chrysene-d12	21.215	240	4532	0.400	ng	# 0.00
35) Perylene-d12	23.421	264	4358	0.400	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.220	112	1050	0.235	ng	0.00
5) Phenol-d6	6.802	99	1326	0.241	ng	0.00
8) Nitrobenzene-d5	8.771	82	1026	0.221	ng	-0.01
11) 2-Methylnaphthalene-d10	12.001	152	1396	0.225	ng	0.00
14) 2,4,6-Tribromophenol	15.767	330	262	0.239	ng	0.00
15) 2-Fluorobiphenyl	12.893	172	2299	0.194	ng	0.00
27) Fluoranthene-d10	19.054	212	3110	0.234	ng	0.00
31) Terphenyl-d14	19.663	244	2125	0.199	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.148	88	751	0.345	ng	# 33
3) n-Nitrosodimethylamine	3.458	42	1657	0.392	ng	# 97
6) bis(2-Chloroethyl)ether	7.055	93	1962	0.385	ng	99
9) Naphthalene	10.458	128	4811	0.372	ng	98
10) Hexachlorobutadiene	10.746	225	1062	0.380	ng	# 97
12) 2-Methylnaphthalene	12.077	142	3488	0.417	ng	99
16) Acenaphthylene	13.989	152	4666	0.389	ng	98
17) Acenaphthene	14.331	154	3061	0.388	ng	99
18) Fluorene	15.325	166	4121	0.400	ng	# 98
20) 4,6-Dinitro-2-methylph...	15.410	198	412	0.303	ng	# 72
21) 4-Bromophenyl-phenylether	16.214	248	1285	0.375	ng	# 66
22) Hexachlorobenzene	16.326	284	1291	0.344	ng	95
23) Atrazine	16.487	200	1132	0.409	ng	# 92
24) Pentachlorophenol	16.673	266	635	0.315	ng	98
25) Phenanthrene	17.058	178	7596	0.448	ng	99
26) Anthracene	17.145	178	5847	0.381	ng	99
28) Fluoranthene	19.086	202	7425	0.391	ng	99
30) Pyrene	19.449	202	7811	0.358	ng	99
32) Benzo(a)anthracene	21.197	228	6578	0.394	ng	99
33) Chrysene	21.251	228	7149	0.397	ng	99
34) Bis(2-ethylhexyl)phtha...	21.144	149	7041	0.742	ng	99
36) Indeno(1,2,3-cd)pyrene	25.640	276	6746	0.379	ng	99
37) Benzo(b)fluoranthene	22.760	252	6681	0.365	ng	98
38) Benzo(k)fluoranthene	22.804	252	6822	0.370	ng	99
39) Benzo(a)pyrene	23.328	252	5908	0.392	ng	98
40) Dibenzo(a,h)anthracene	25.655	278	5327	0.380	ng	98
41) Benzo(g,h,i)perylene	26.313	276	5396	0.347	ng	99

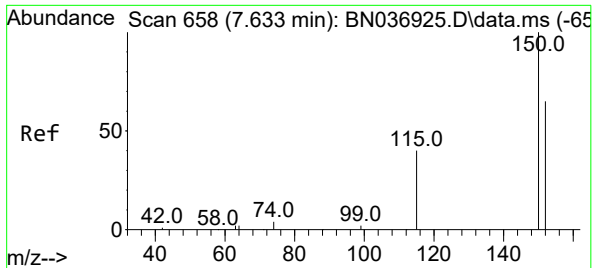
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN050825\
Data File : BN036976.D
Acq On : 08 May 2025 16:53
Operator : RC/JU
Sample : Q1939-04MSD
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
GB2BMSD

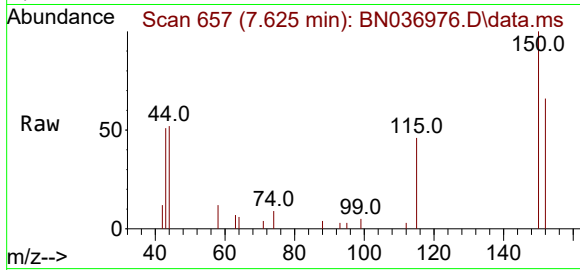
Quant Time: May 08 18:27:44 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN042825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Apr 28 15:35:03 2025
Response via : Initial Calibration



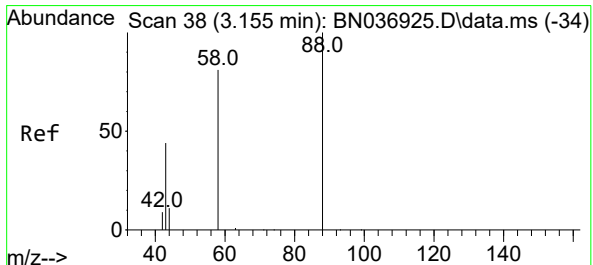
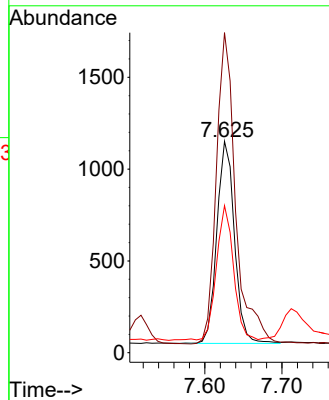
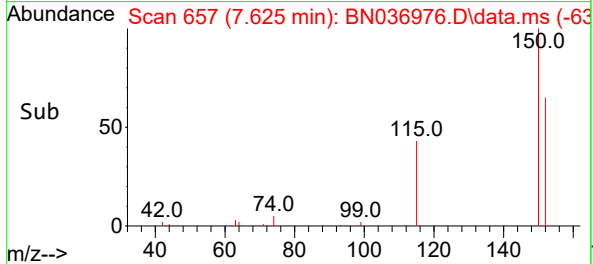


#1
 1,4-Dichlorobenzene-d4
 Concen: 0.400 ng
 RT: 7.625 min Scan# 61
 Delta R.T. -0.008 min
 Lab File: BN036976.D
 Acq: 08 May 2025 16:53

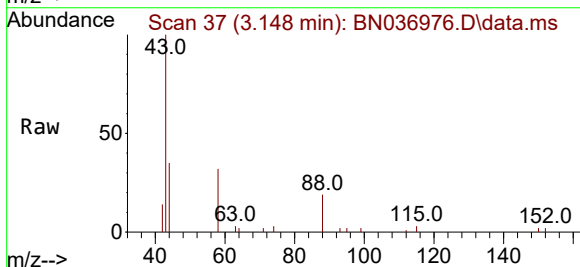
Instrument :
 BNA_N
 ClientSampleId :
 GB2BMDS



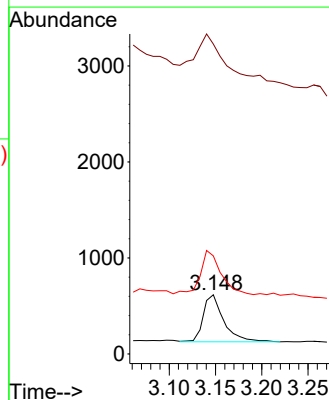
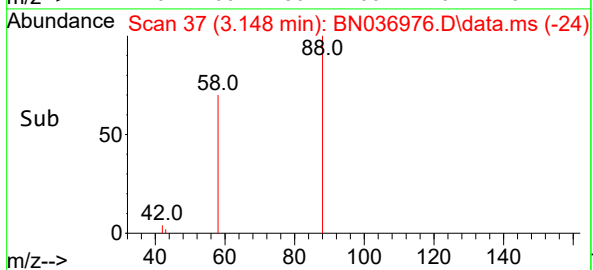
Tgt Ion:152 Resp: 1746
 Ion Ratio Lower Upper
 152 100
 150 151.4 121.1 181.7
 115 69.6 51.8 77.6



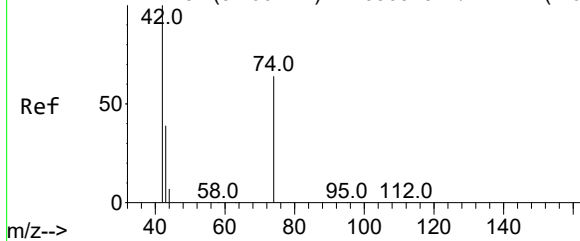
#2
 1,4-Dioxane
 Concen: 0.345 ng
 RT: 3.148 min Scan# 37
 Delta R.T. -0.007 min
 Lab File: BN036976.D
 Acq: 08 May 2025 16:53



Tgt Ion: 88 Resp: 751
 Ion Ratio Lower Upper
 88 100
 43 154.7 37.9 56.9#
 58 94.0 65.8 98.6



Abundance Scan 81 (3.466 min): BN036925.D\data.ms (-76)



#3

n-Nitrosodimethylamine

Concen: 0.392 ng

RT: 3.458 min Scan# 80

Delta R.T. -0.007 min

Lab File: BN036976.D

Acq: 08 May 2025 16:53

Instrument :

BNA_N

ClientSampleId :

GB2BMSD

Tgt Ion: 42 Resp: 1657

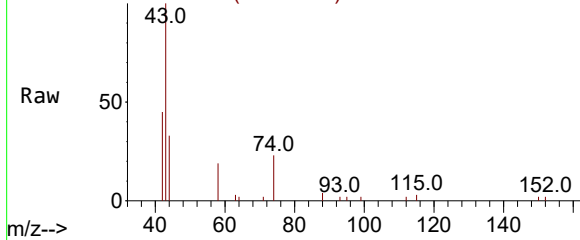
Ion Ratio Lower Upper

42 100

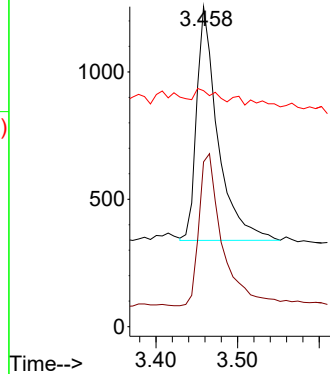
74 73.6 59.9 89.9

44 4.9 7.5 11.3#

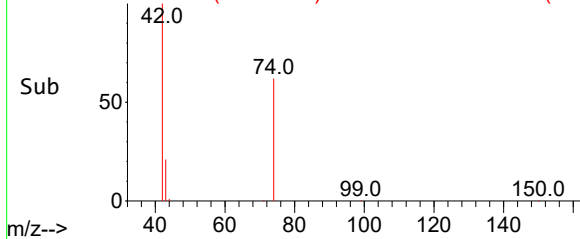
Abundance Scan 80 (3.458 min): BN036976.D\data.ms



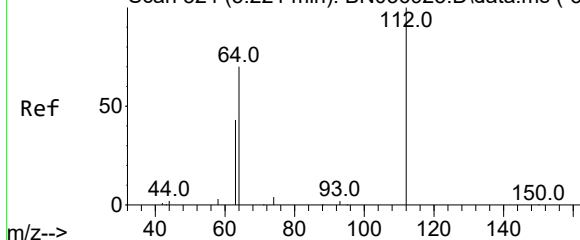
Abundance



Abundance Scan 80 (3.458 min): BN036976.D\data.ms (-60)



Abundance Scan 324 (5.221 min): BN036925.D\data.ms (-31)



#4

2-Fluorophenol

Concen: 0.235 ng

RT: 5.220 min Scan# 324

Delta R.T. -0.000 min

Lab File: BN036976.D

Acq: 08 May 2025 16:53

Tgt Ion: 112 Resp: 1050

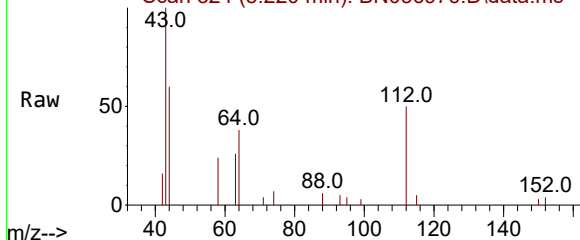
Ion Ratio Lower Upper

112 100

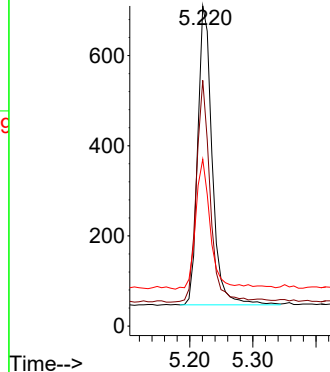
64 71.0 55.7 83.5

63 46.0 33.9 50.9

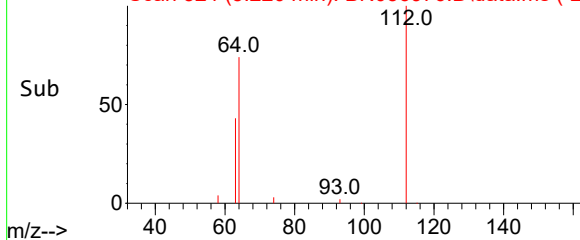
Abundance Scan 324 (5.220 min): BN036976.D\data.ms

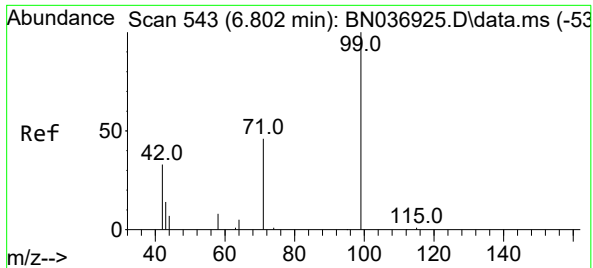


Abundance



Abundance Scan 324 (5.220 min): BN036976.D\data.ms (-29)

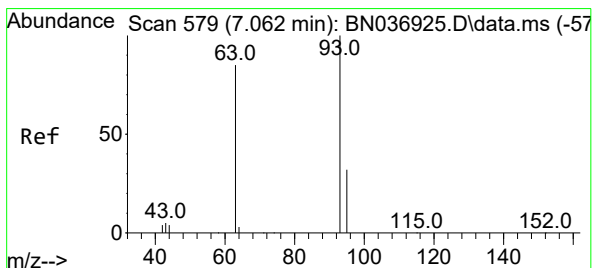
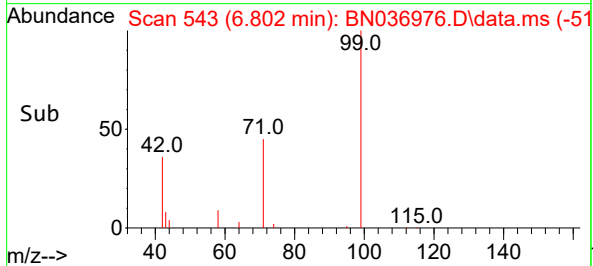
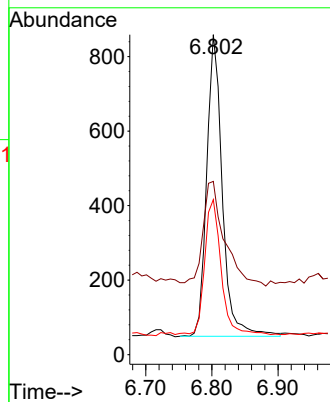
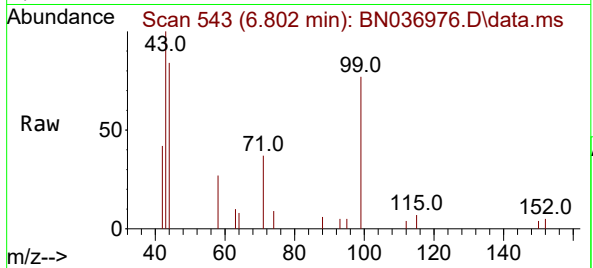




#5
Phenol-d6
Concen: 0.241 ng
RT: 6.802 min Scan# 543
Delta R.T. -0.000 min
Lab File: BN036976.D
Acq: 08 May 2025 16:53

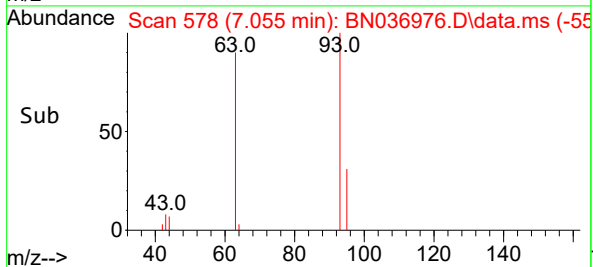
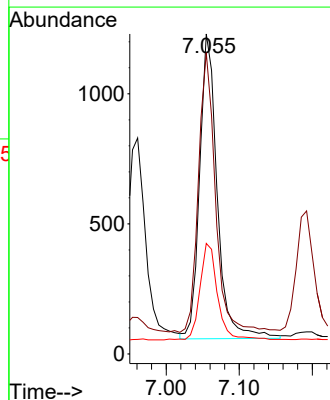
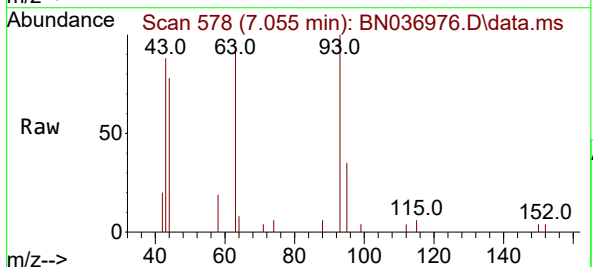
Instrument :
BNA_N
ClientSampleId :
GB2BMDS

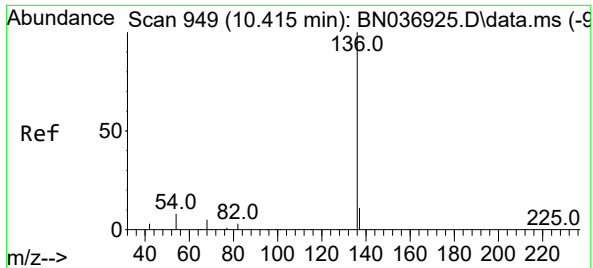
Tgt Ion: 99 Resp: 1326
Ion Ratio Lower Upper
99 100
42 48.1 29.6 44.4#
71 47.5 36.0 54.0



#6
bis(2-Chloroethyl)ether
Concen: 0.385 ng
RT: 7.055 min Scan# 578
Delta R.T. -0.007 min
Lab File: BN036976.D
Acq: 08 May 2025 16:53

Tgt Ion: 93 Resp: 1962
Ion Ratio Lower Upper
93 100
63 88.0 69.0 103.6
95 31.7 25.4 38.0

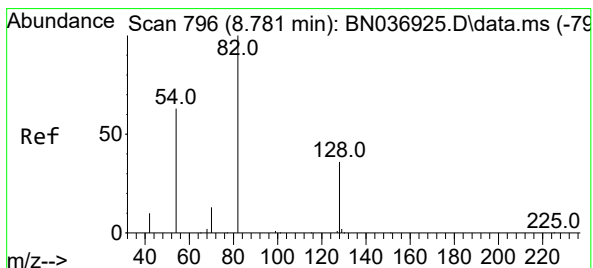
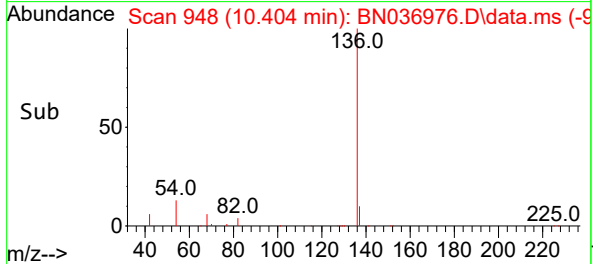
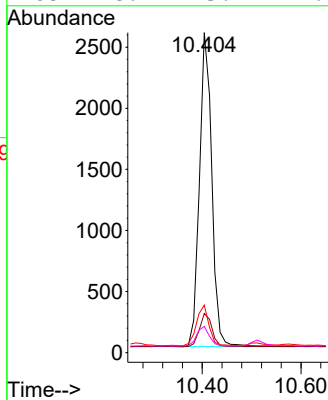
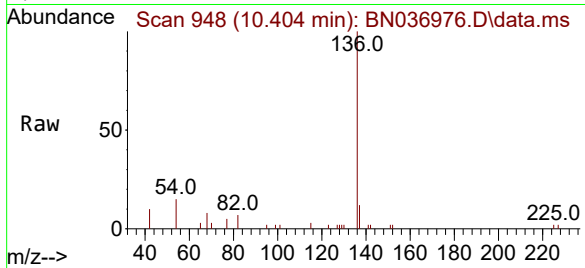




#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.404 min Scan# 949
Delta R.T. -0.011 min
Lab File: BN036976.D
Acq: 08 May 2025 16:53

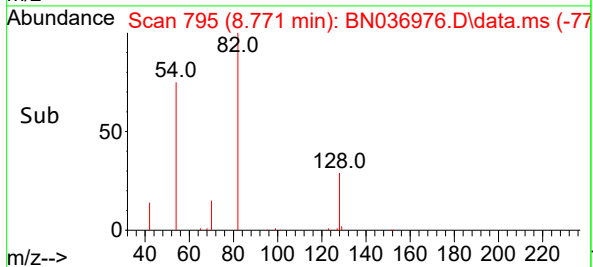
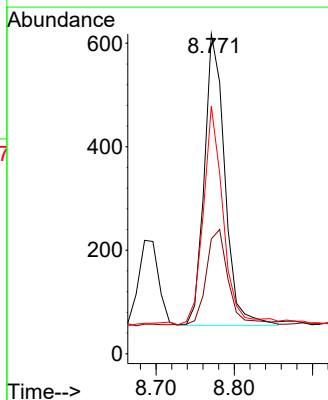
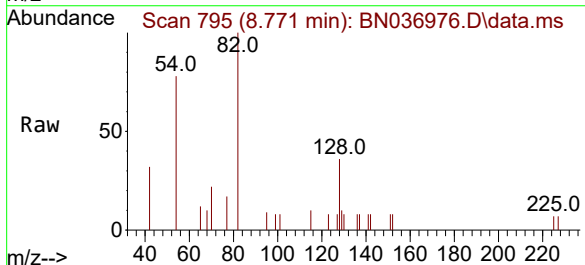
Instrument :
BNA_N
ClientSampleId :
GB2BMSD

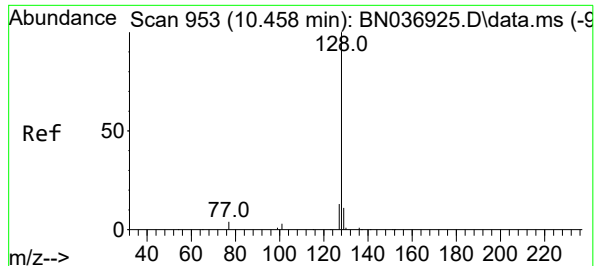
Tgt Ion:136 Resp: 4442
Ion Ratio Lower Upper
136 100
137 12.2 9.7 14.5
54 14.8 8.0 12.0#
68 8.2 5.1 7.7#



#8
Nitrobenzene-d5
Concen: 0.221 ng
RT: 8.771 min Scan# 795
Delta R.T. -0.011 min
Lab File: BN036976.D
Acq: 08 May 2025 16:53

Tgt Ion: 82 Resp: 1026
Ion Ratio Lower Upper
82 100
128 35.9 30.7 46.1
54 77.5 52.1 78.1

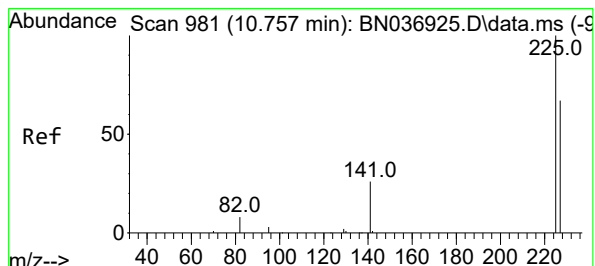
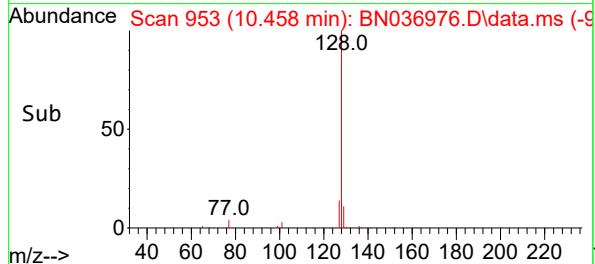
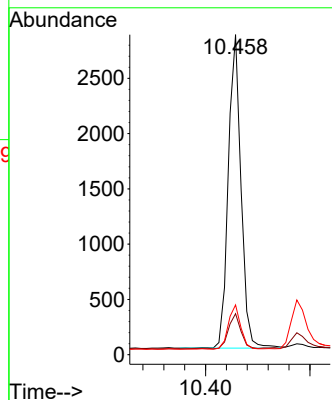
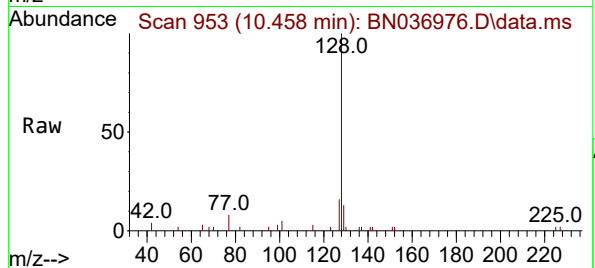




#9
Naphthalene
Concen: 0.372 ng
RT: 10.458 min Scan# 91
Delta R.T. -0.000 min
Lab File: BN036976.D
Acq: 08 May 2025 16:53

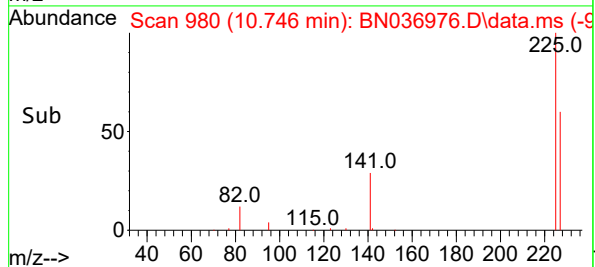
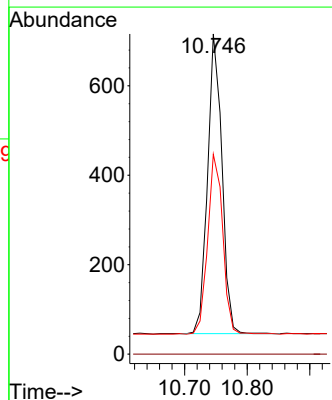
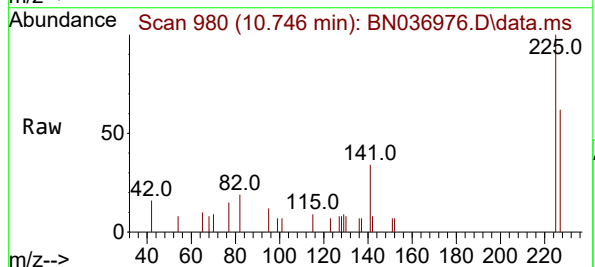
Instrument :
BNA_N
ClientSampleId :
GB2BMSD

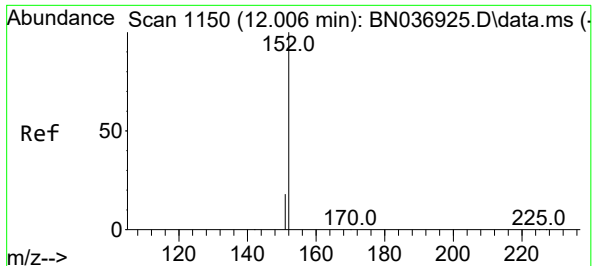
Tgt Ion:128 Resp: 4811
Ion Ratio Lower Upper
128 100
129 12.8 9.8 14.6
127 15.5 11.4 17.2



#10
Hexachlorobutadiene
Concen: 0.380 ng
RT: 10.746 min Scan# 980
Delta R.T. -0.011 min
Lab File: BN036976.D
Acq: 08 May 2025 16:53

Tgt Ion:225 Resp: 1062
Ion Ratio Lower Upper
225 100
223 0.0 0.0 0.0
227 63.0 52.2 78.4

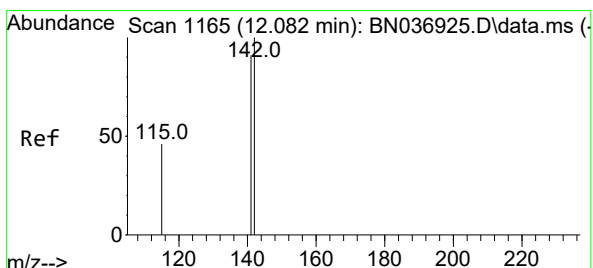
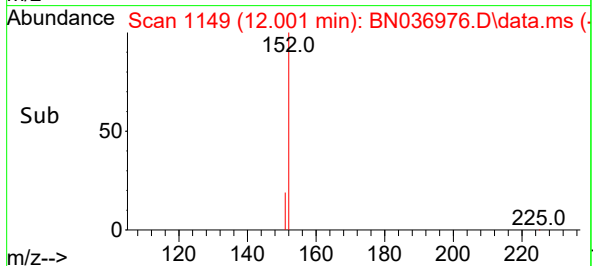
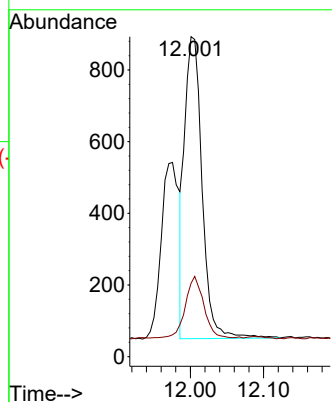
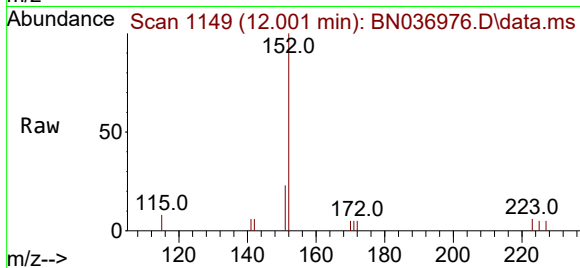




#11
2-Methylnaphthalene-d10
Concen: 0.225 ng
RT: 12.001 min Scan# 1149
Delta R.T. -0.005 min
Lab File: BN036976.D
Acq: 08 May 2025 16:53

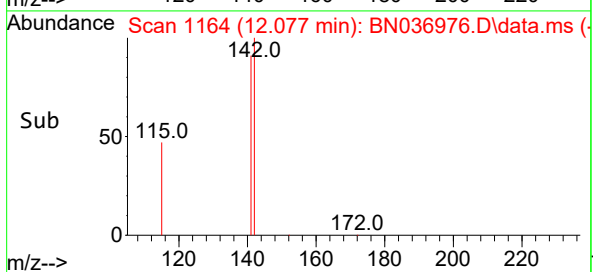
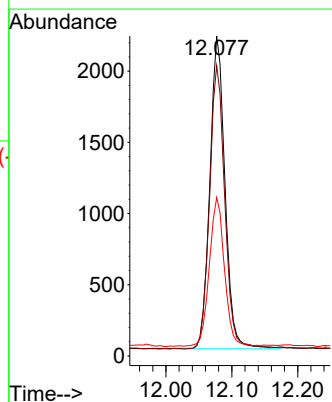
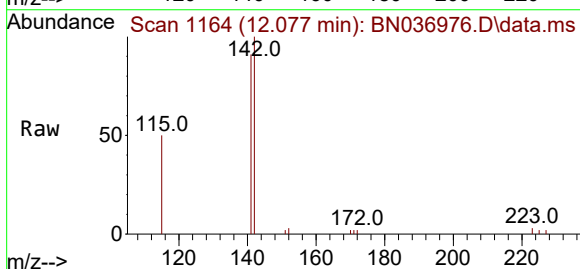
Instrument :
BNA_N
ClientSampleId :
GB2BMSD

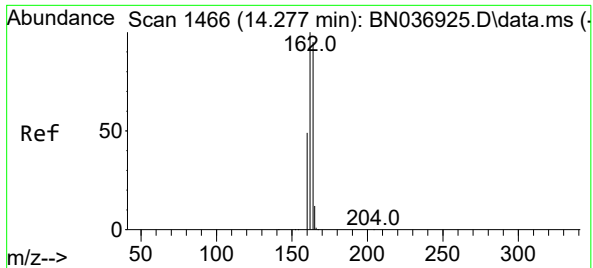
Tgt Ion:152 Resp: 1396
Ion Ratio Lower Upper
152 100
151 21.7 16.9 25.3



#12
2-Methylnaphthalene
Concen: 0.417 ng
RT: 12.077 min Scan# 1164
Delta R.T. -0.005 min
Lab File: BN036976.D
Acq: 08 May 2025 16:53

Tgt Ion:142 Resp: 3488
Ion Ratio Lower Upper
142 100
141 90.7 72.8 109.2
115 49.6 38.2 57.4

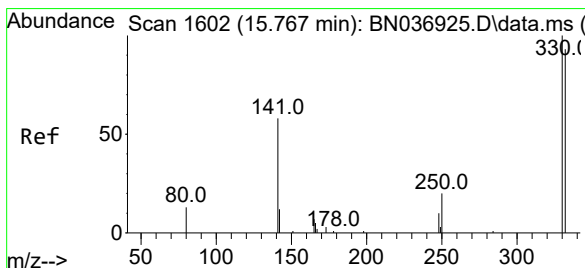
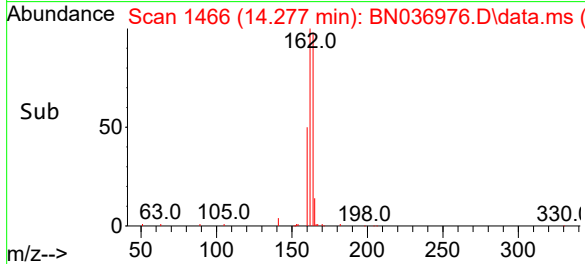
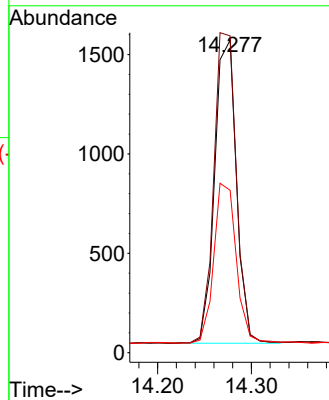
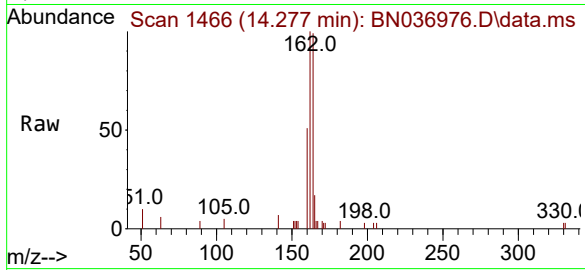




#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.277 min Scan# 1466
Delta R.T. -0.000 min
Lab File: BN036976.D
Acq: 08 May 2025 16:53

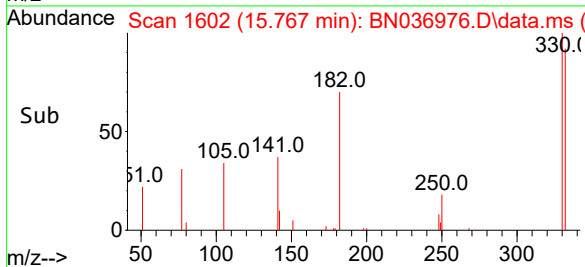
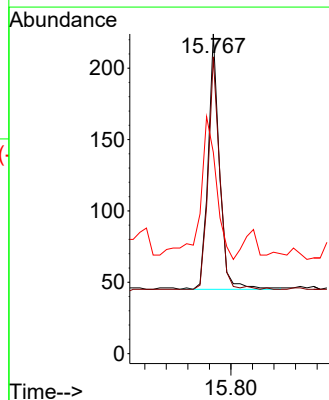
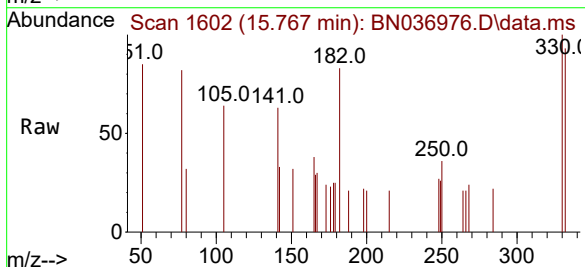
Instrument :
BNA_N
ClientSampleId :
GB2BMSD

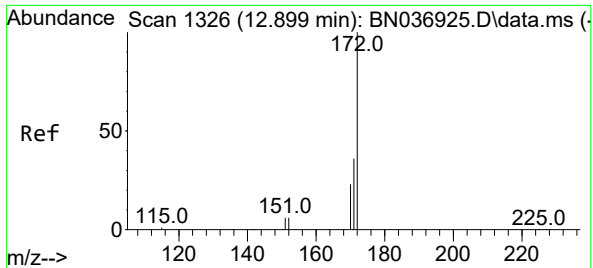
Tgt Ion	Ratio	Lower	Upper
164	100		
162	101.4	83.8	125.8
160	52.0	42.0	63.0



#14
2,4,6-Tribromophenol
Concen: 0.239 ng
RT: 15.767 min Scan# 1602
Delta R.T. -0.000 min
Lab File: BN036976.D
Acq: 08 May 2025 16:53

Tgt Ion	Ratio	Lower	Upper
330	100		
332	91.6	76.3	114.5
141	82.1	45.4	68.2





#15

2-Fluorobiphenyl

Concen: 0.194 ng

RT: 12.893 min Scan# 11

Delta R.T. -0.005 min

Lab File: BN036976.D

Acq: 08 May 2025 16:53

Instrument :

BNA_N

ClientSampleId :

GB2BMSD

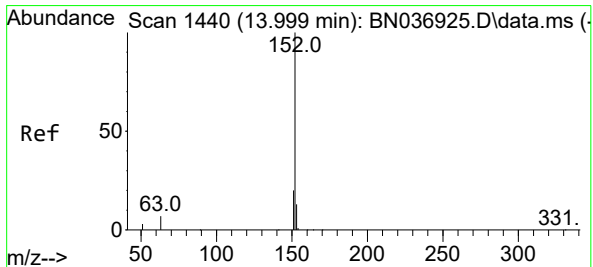
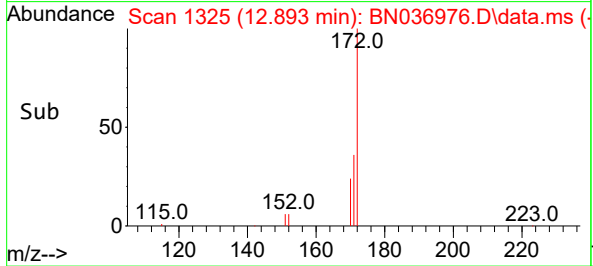
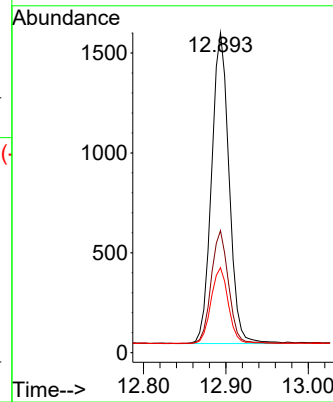
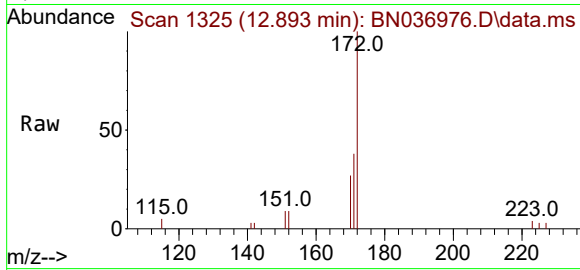
Tgt Ion:172 Resp: 2299

Ion Ratio Lower Upper

172 100

171 38.1 29.4 44.0

170 26.5 19.4 29.0



#16

Acenaphthylene

Concen: 0.389 ng

RT: 13.989 min Scan# 1439

Delta R.T. -0.011 min

Lab File: BN036976.D

Acq: 08 May 2025 16:53

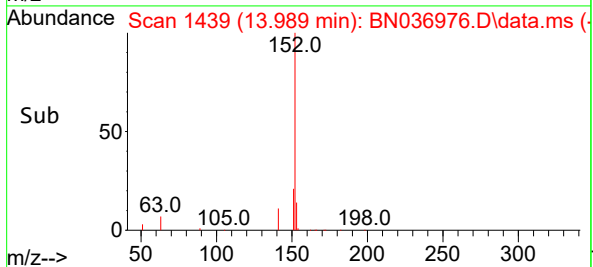
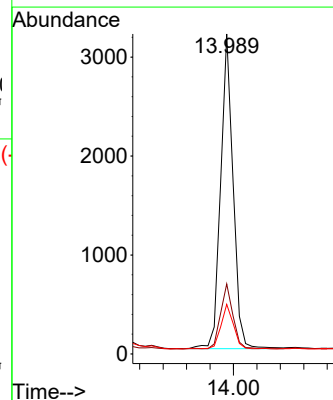
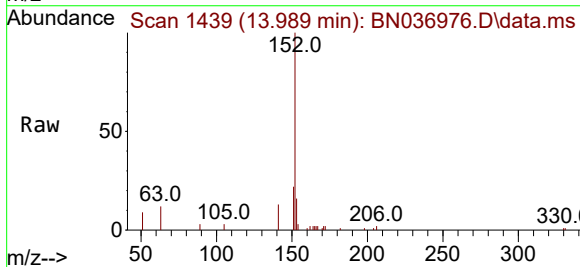
Tgt Ion:152 Resp: 4666

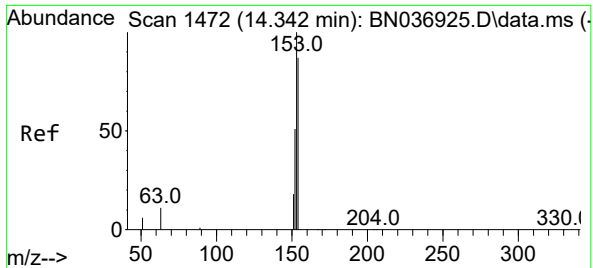
Ion Ratio Lower Upper

152 100

151 20.3 16.0 24.0

153 14.4 10.2 15.2

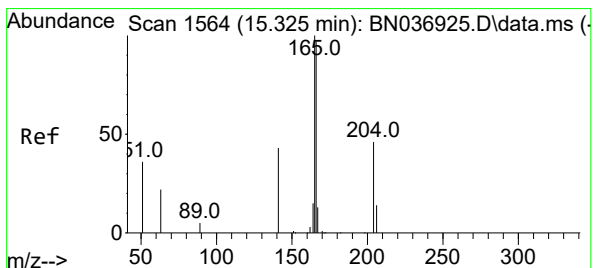
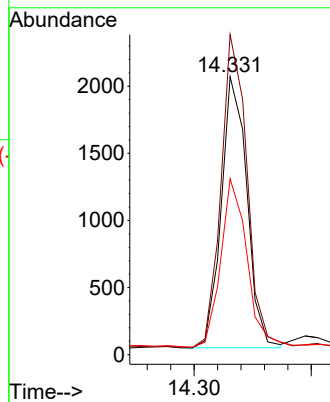
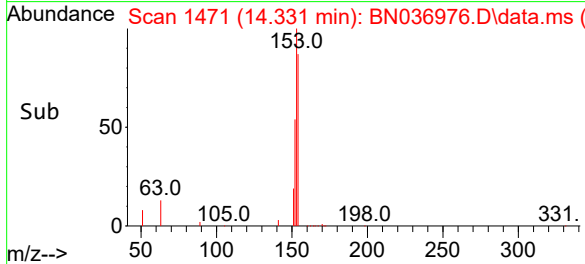
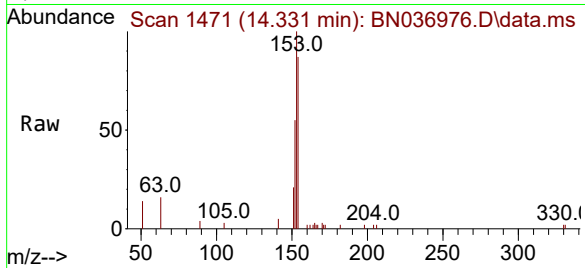




#17
Acenaphthene
Concen: 0.388 ng
RT: 14.331 min Scan# 1471
Delta R.T. -0.011 min
Lab File: BN036976.D
Acq: 08 May 2025 16:53

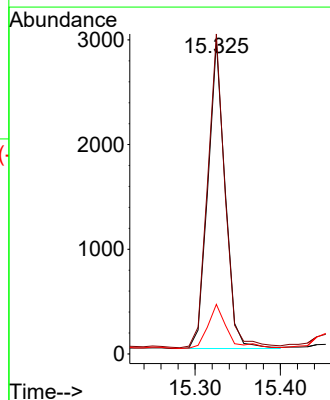
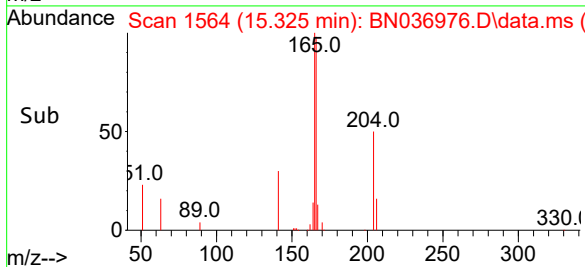
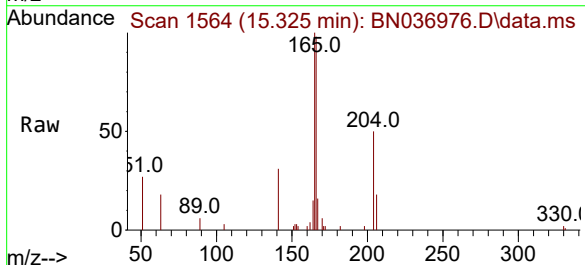
Instrument :
BNA_N
ClientSampleId :
GB2BM5D

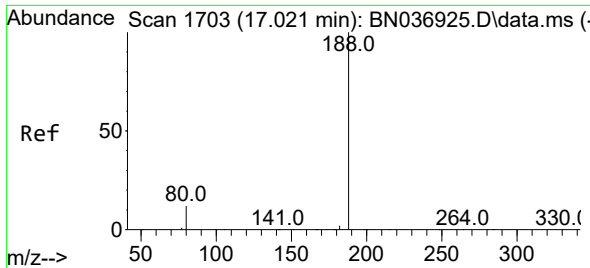
Tgt Ion:154 Resp: 3061
Ion Ratio Lower Upper
154 100
153 117.0 93.4 140.2
152 64.8 49.5 74.3



#18
Fluorene
Concen: 0.400 ng
RT: 15.325 min Scan# 1564
Delta R.T. -0.000 min
Lab File: BN036976.D
Acq: 08 May 2025 16:53

Tgt Ion:166 Resp: 4121
Ion Ratio Lower Upper
166 100
165 102.6 80.8 121.2
167 16.4 10.8 16.2#

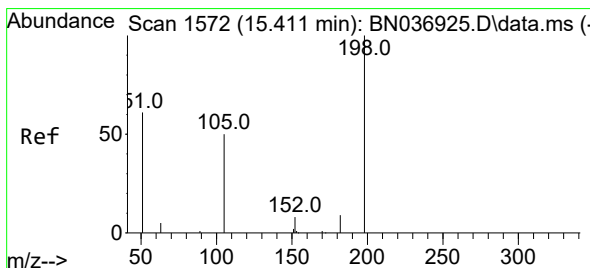
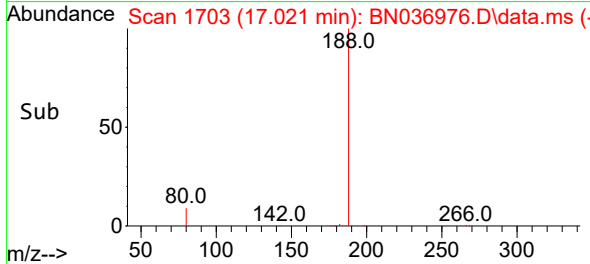
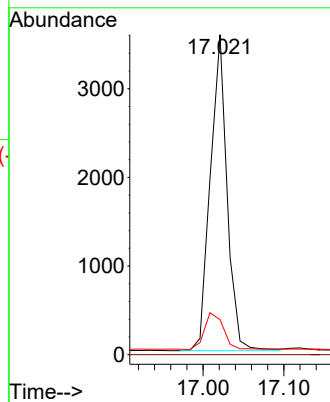
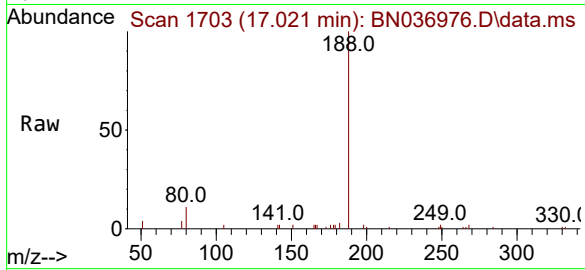




#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.021 min Scan# 1703
Delta R.T. -0.000 min
Lab File: BN036976.D
Acq: 08 May 2025 16:53

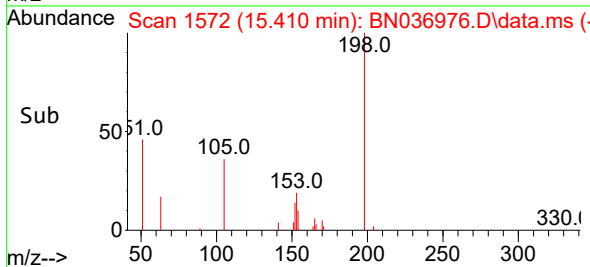
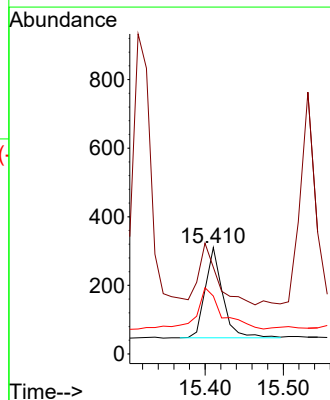
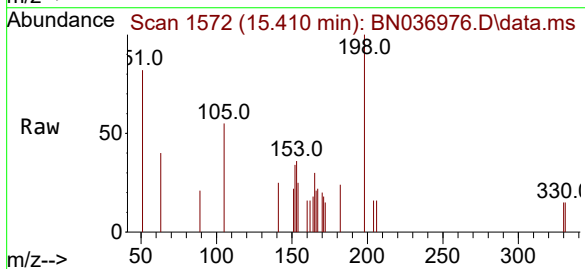
Instrument :
BNA_N
ClientSampleId :
GB2BMSD

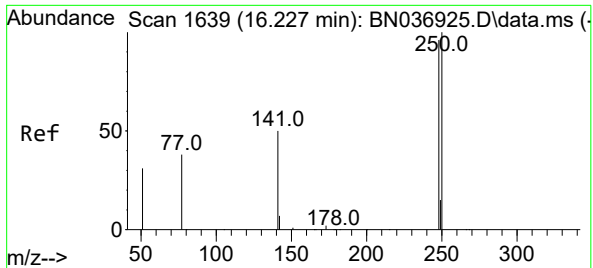
Tgt Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	11.0	10.7	16.1



#20
4,6-Dinitro-2-methylphenol
Concen: 0.303 ng
RT: 15.410 min Scan# 1572
Delta R.T. -0.001 min
Lab File: BN036976.D
Acq: 08 May 2025 16:53

Tgt Ion	Ratio	Lower	Upper
198	100		
51	81.6	97.9	146.9#
105	54.5	50.0	75.0

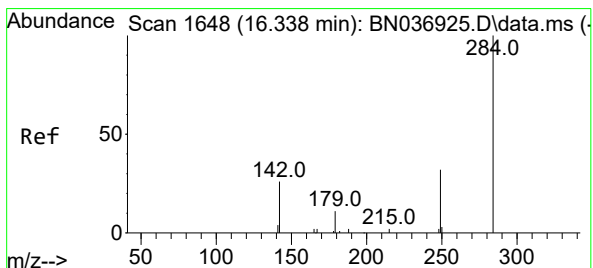
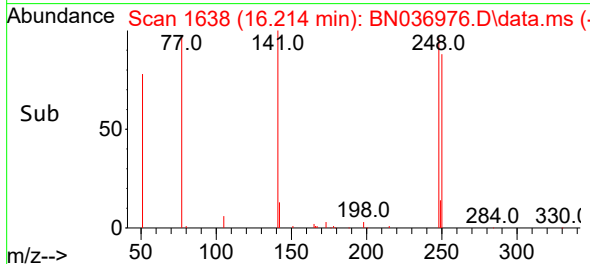
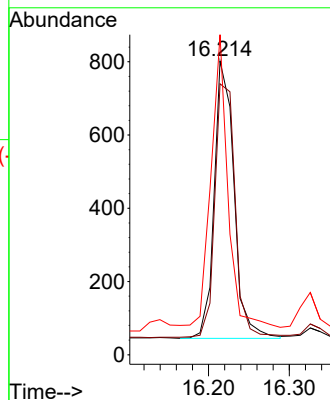
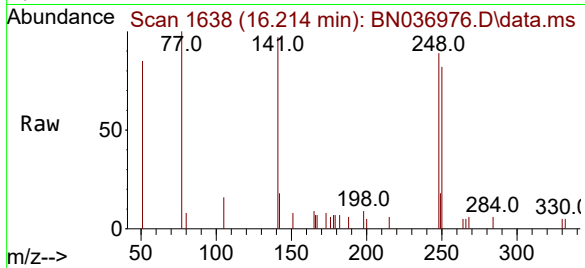




#21
4-Bromophenyl-phenylether
Concen: 0.375 ng
RT: 16.214 min Scan# 1638
Delta R.T. -0.013 min
Lab File: BN036976.D
Acq: 08 May 2025 16:53

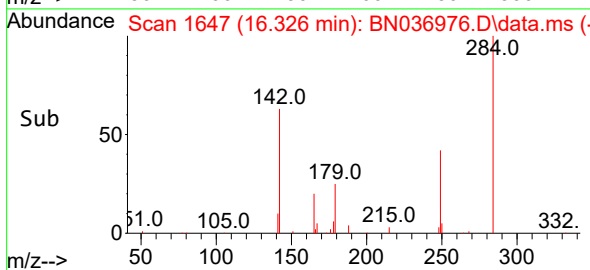
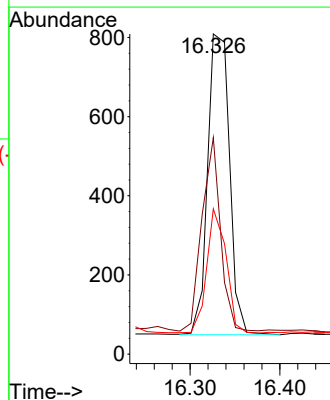
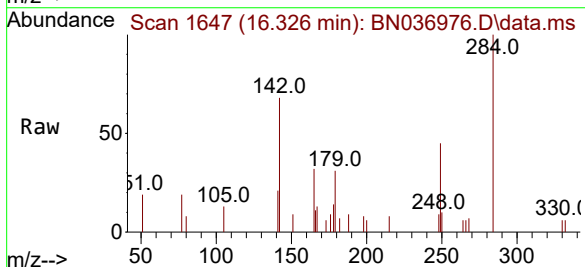
Instrument :
BNA_N
ClientSampleId :
GB2BMDS

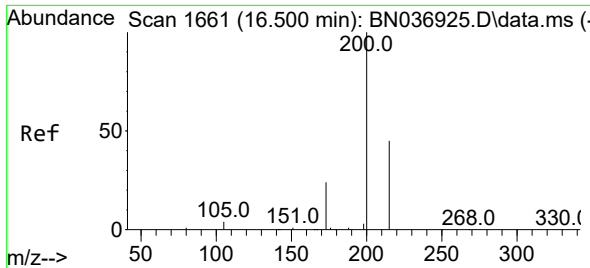
Tgt Ion:248 Resp: 1285
Ion Ratio Lower Upper
248 100
250 92.3 83.7 125.5
141 109.0 43.8 65.8#



#22
Hexachlorobenzene
Concen: 0.344 ng
RT: 16.326 min Scan# 1647
Delta R.T. -0.013 min
Lab File: BN036976.D
Acq: 08 May 2025 16:53

Tgt Ion:284 Resp: 1291
Ion Ratio Lower Upper
284 100
142 54.8 40.0 60.0
249 36.9 28.2 42.2

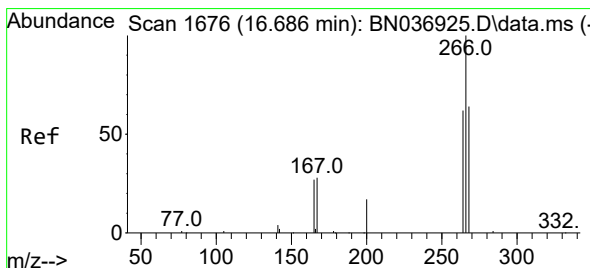
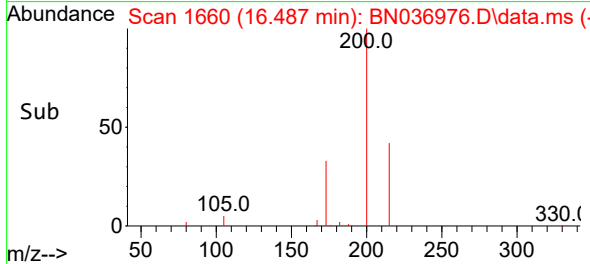
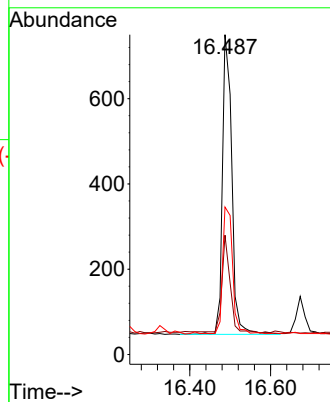
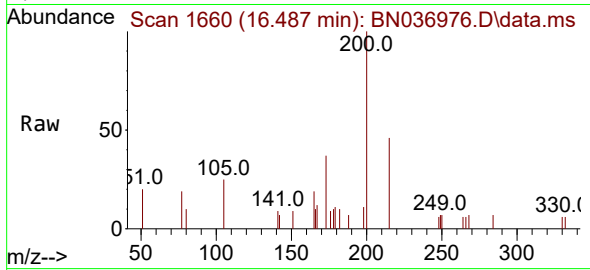




#23
Atrazine
Concen: 0.409 ng
RT: 16.487 min Scan# 1660
Delta R.T. -0.013 min
Lab File: BN036976.D
Acq: 08 May 2025 16:53

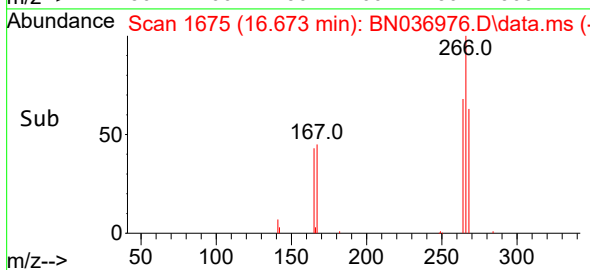
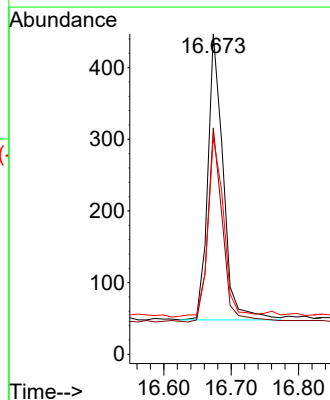
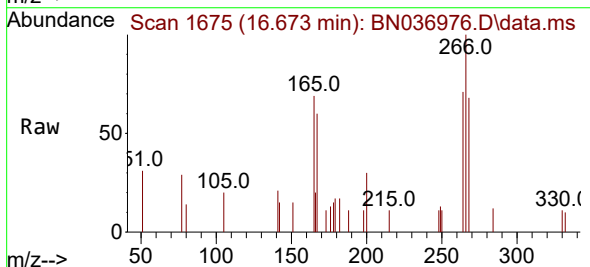
Instrument :
BNA_N
ClientSampleId :
GB2BMSD

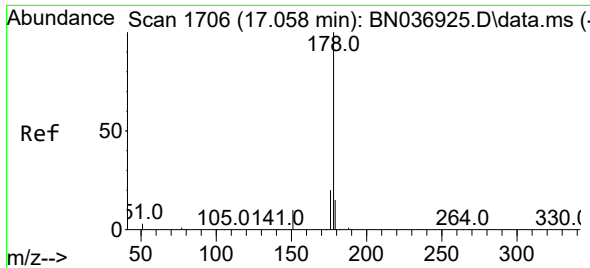
Tgt Ion:200 Resp: 1132
Ion Ratio Lower Upper
200 100
173 37.3 22.4 33.6#
215 46.1 38.6 57.8



#24
Pentachlorophenol
Concen: 0.315 ng
RT: 16.673 min Scan# 1675
Delta R.T. -0.013 min
Lab File: BN036976.D
Acq: 08 May 2025 16:53

Tgt Ion:266 Resp: 635
Ion Ratio Lower Upper
266 100
264 64.4 49.9 74.9
268 63.6 52.2 78.4

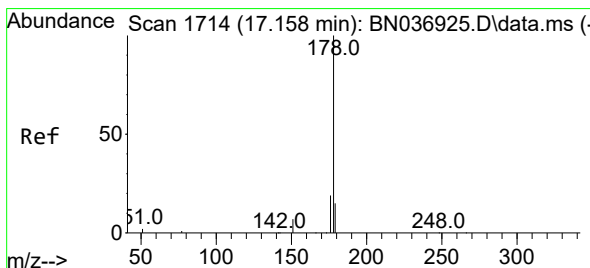
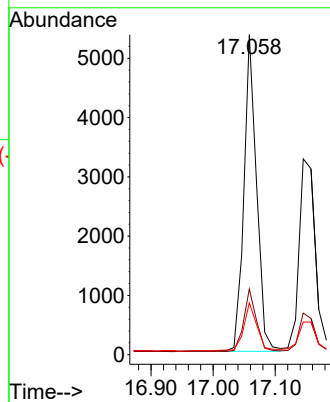
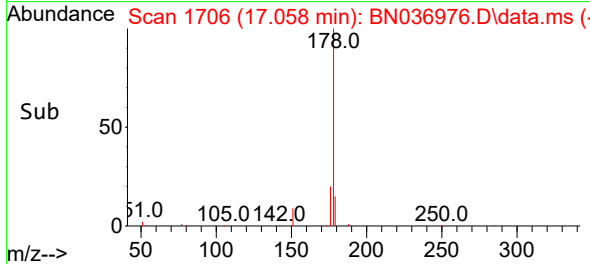
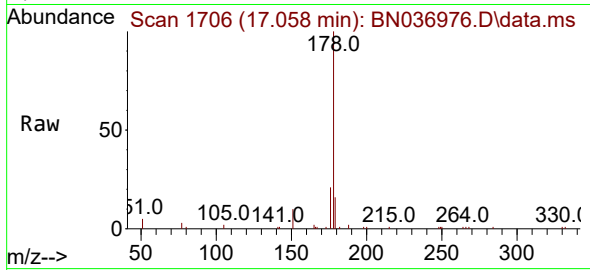




#25
Phenanthrene
Concen: 0.448 ng
RT: 17.058 min Scan# 1712
Delta R.T. -0.000 min
Lab File: BN036976.D
Acq: 08 May 2025 16:53

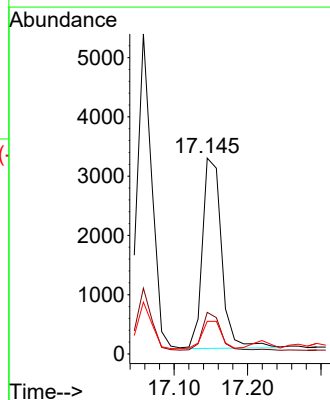
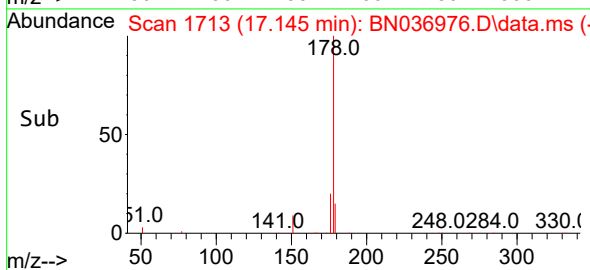
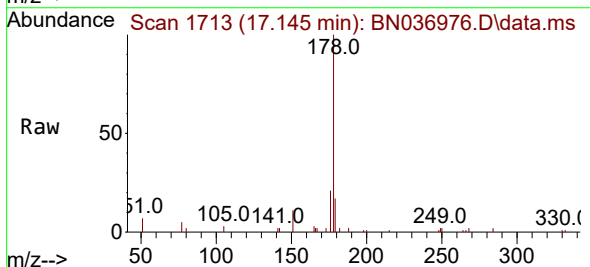
Instrument :
BNA_N
ClientSampleId :
GB2BMDS

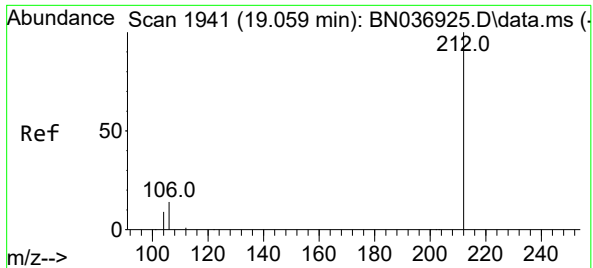
Tgt Ion:178 Resp: 7596
Ion Ratio Lower Upper
178 100
176 19.5 15.7 23.5
179 16.6 12.4 18.6



#26
Anthracene
Concen: 0.381 ng
RT: 17.145 min Scan# 1713
Delta R.T. -0.013 min
Lab File: BN036976.D
Acq: 08 May 2025 16:53

Tgt Ion:178 Resp: 5847
Ion Ratio Lower Upper
178 100
176 19.7 15.3 22.9
179 14.5 12.1 18.1

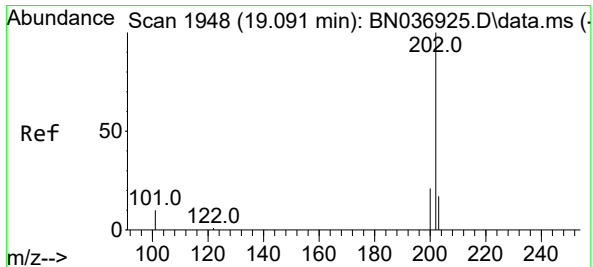
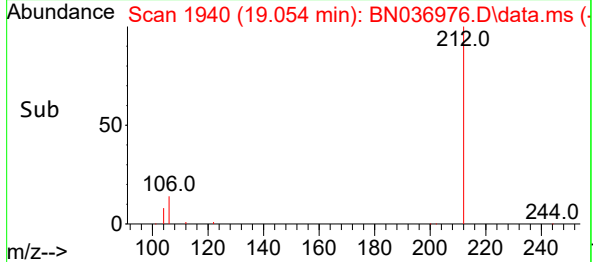
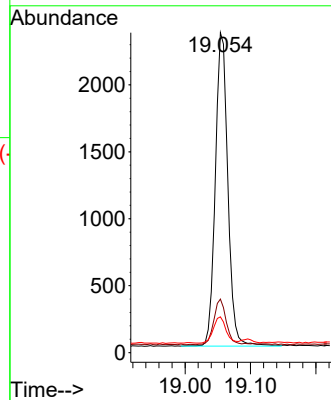
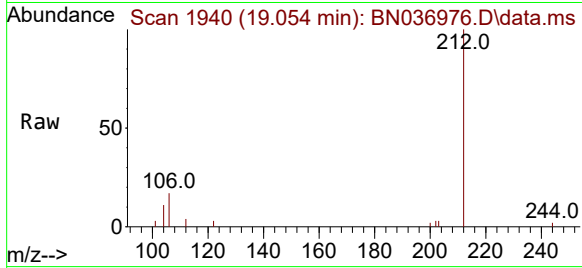




#27
Fluoranthene-d10
Concen: 0.234 ng
RT: 19.054 min Scan# 1940
Delta R.T. -0.005 min
Lab File: BN036976.D
Acq: 08 May 2025 16:53

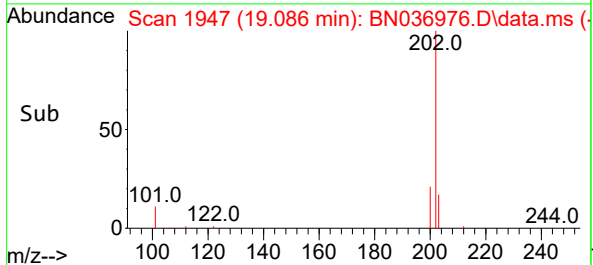
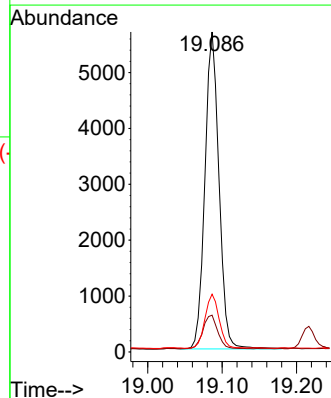
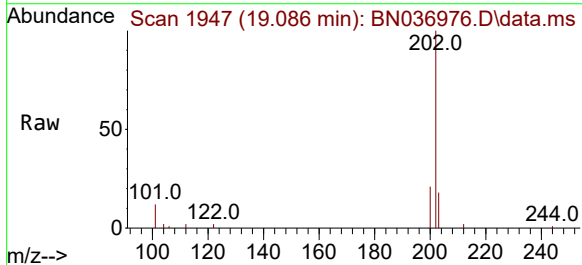
Instrument :
BNA_N
ClientSampleId :
GB2BMSD

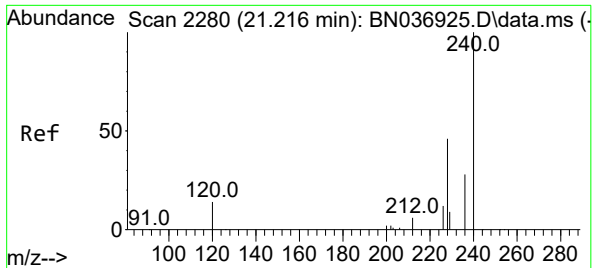
Tgt Ion	Ratio	Lower	Upper
212	100		
106	14.5	11.6	17.4
104	8.5	7.0	10.4



#28
Fluoranthene
Concen: 0.391 ng
RT: 19.086 min Scan# 1947
Delta R.T. -0.005 min
Lab File: BN036976.D
Acq: 08 May 2025 16:53

Tgt Ion	Ratio	Lower	Upper
202	100		
101	11.1	8.5	12.7
203	17.1	13.7	20.5





#29

Chrysene-d12

Concen: 0.400 ng

RT: 21.215 min Scan# 21

Delta R.T. -0.000 min

Lab File: BN036976.D

Acq: 08 May 2025 16:53

Instrument :

BNA_N

ClientSampleId :

GB2BMDS

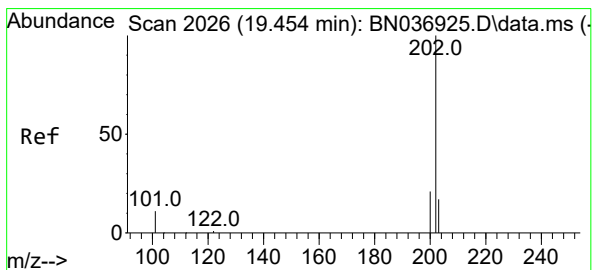
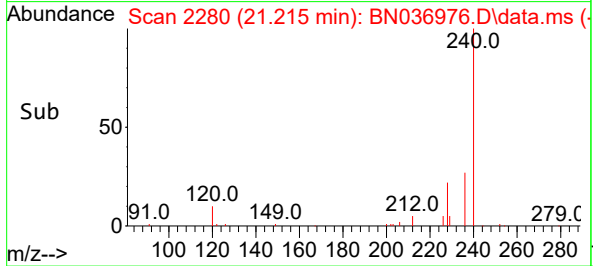
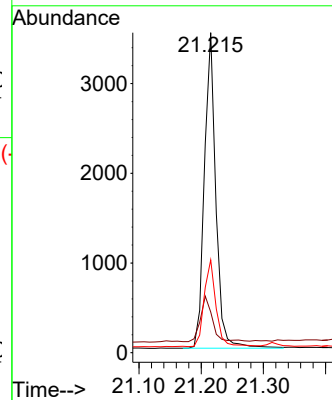
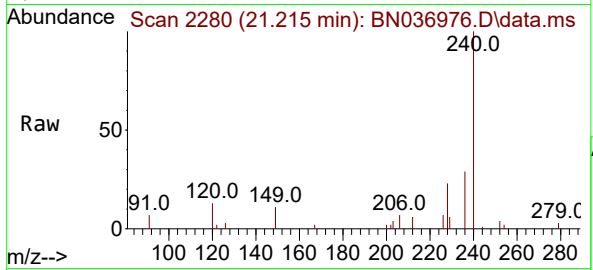
Tgt Ion:240 Resp: 4532

Ion Ratio Lower Upper

240 100

120 12.7 14.1 21.1#

236 29.0 23.8 35.8



#30

Pyrene

Concen: 0.358 ng

RT: 19.449 min Scan# 2025

Delta R.T. -0.005 min

Lab File: BN036976.D

Acq: 08 May 2025 16:53

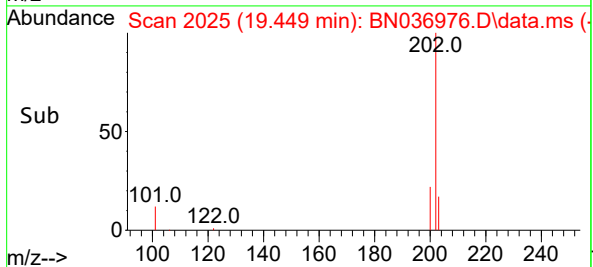
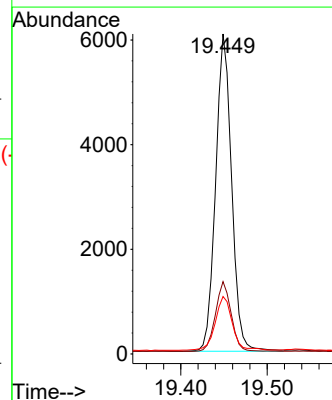
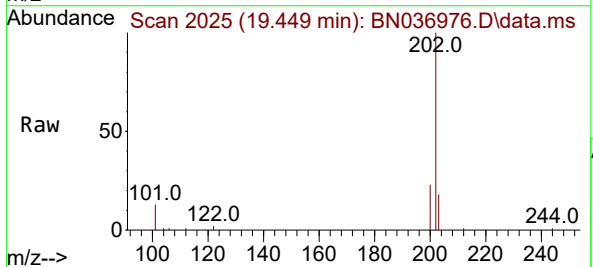
Tgt Ion:202 Resp: 7811

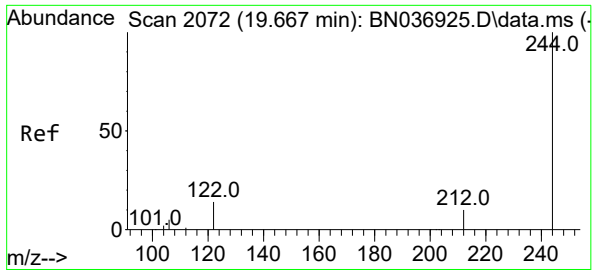
Ion Ratio Lower Upper

202 100

200 21.7 17.0 25.6

203 18.1 14.0 21.0

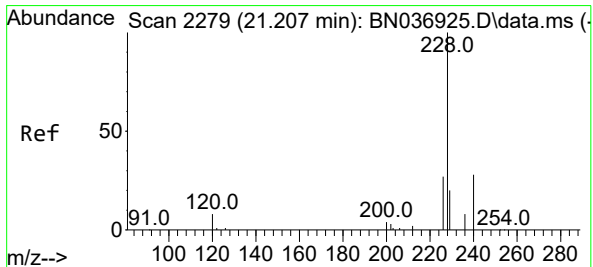
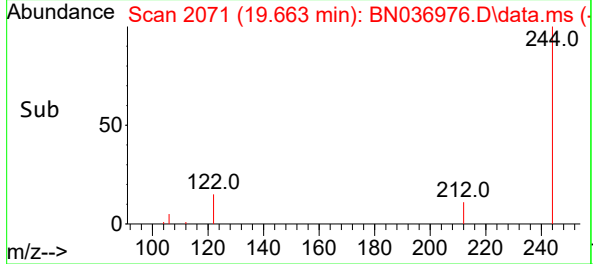
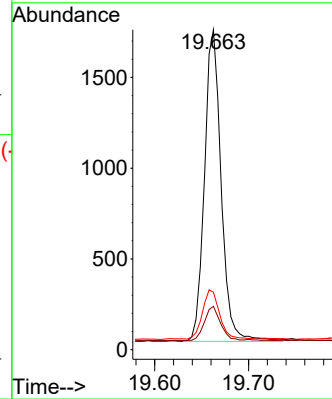
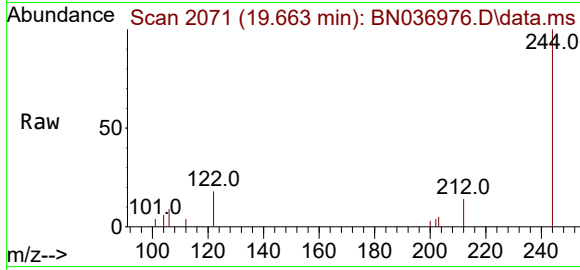




#31
Terphenyl-d14
Concen: 0.199 ng
RT: 19.663 min Scan# 2071
Delta R.T. -0.005 min
Lab File: BN036976.D
Acq: 08 May 2025 16:53

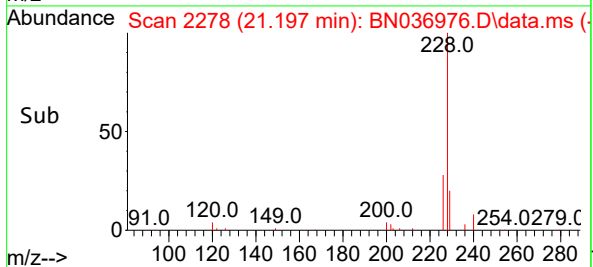
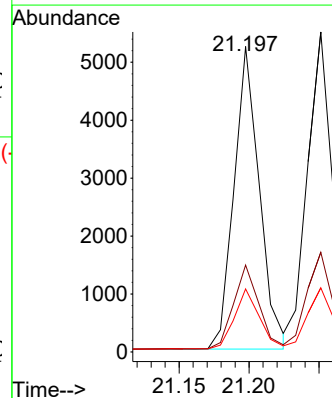
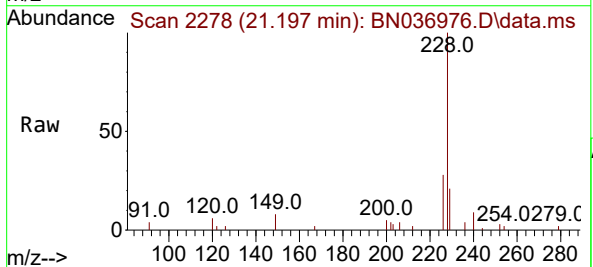
Instrument :
BNA_N
ClientSampleId :
GB2BMSD

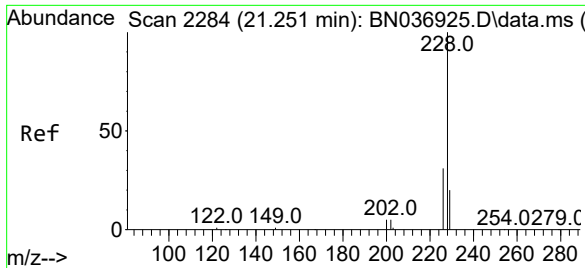
Tgt Ion	Ratio	Lower	Upper
244	100		
212	13.6	9.6	14.4
122	17.9	12.7	19.1



#32
Benzo(a)anthracene
Concen: 0.394 ng
RT: 21.197 min Scan# 2278
Delta R.T. -0.009 min
Lab File: BN036976.D
Acq: 08 May 2025 16:53

Tgt Ion	Ratio	Lower	Upper
228	100		
226	28.4	22.2	33.4
229	20.6	16.4	24.6





#33

Chrysene

Concen: 0.397 ng

RT: 21.251 min Scan# 21

Delta R.T. -0.000 min

Lab File: BN036976.D

Acq: 08 May 2025 16:53

Instrument :

BNA_N

ClientSampleId :

GB2BMDS

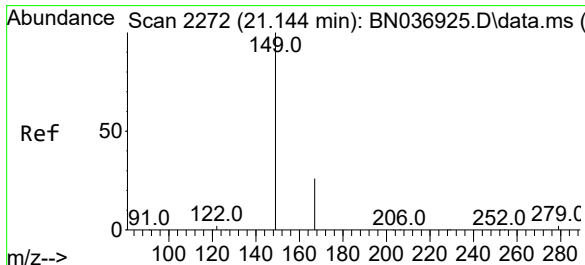
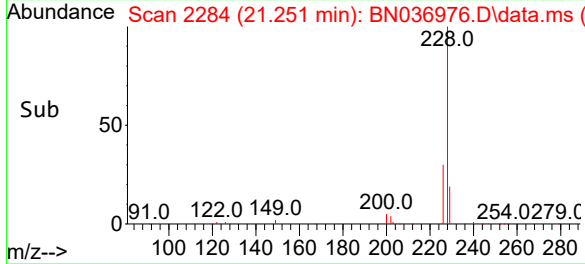
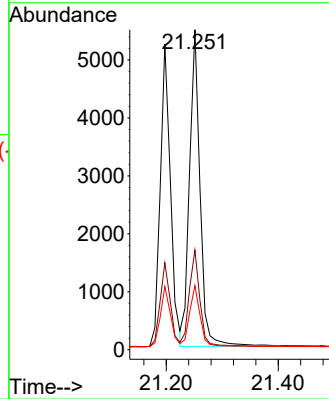
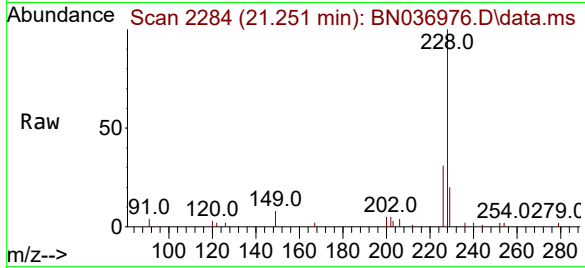
Tgt Ion:228 Resp: 7149

Ion Ratio Lower Upper

228 100

226 31.1 25.5 38.3

229 20.0 16.5 24.7



#34

Bis(2-ethylhexyl)phthalate

Concen: 0.742 ng

RT: 21.144 min Scan# 2272

Delta R.T. -0.000 min

Lab File: BN036976.D

Acq: 08 May 2025 16:53

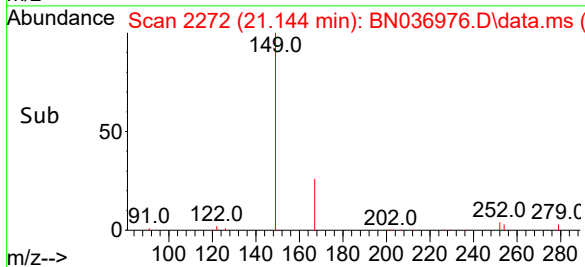
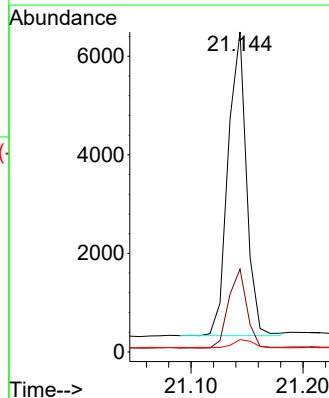
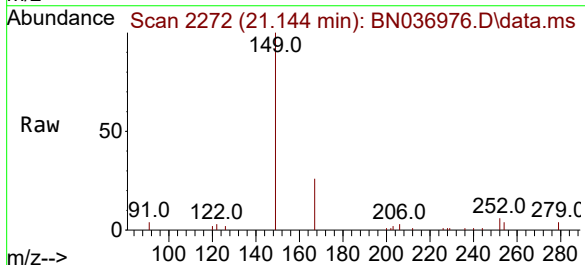
Tgt Ion:149 Resp: 7041

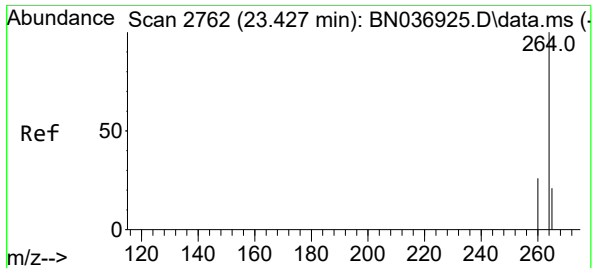
Ion Ratio Lower Upper

149 100

167 25.9 21.0 31.6

279 2.8 2.7 4.1

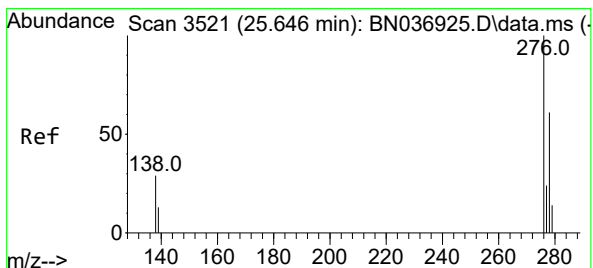
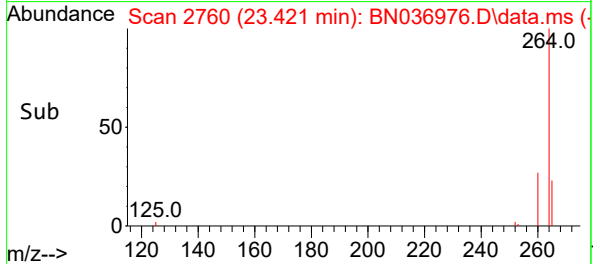
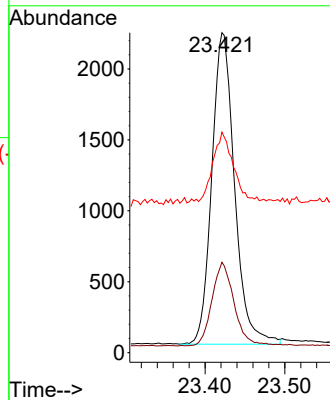
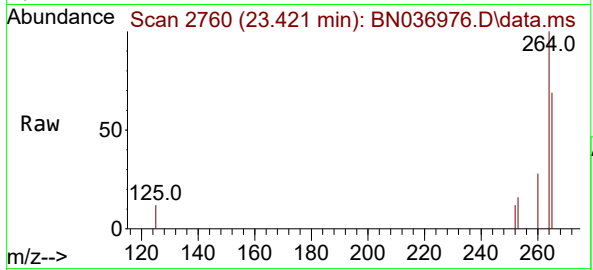




#35
Perylene-d12
Concen: 0.400 ng
RT: 23.421 min Scan# 21
Delta R.T. -0.006 min
Lab File: BN036976.D
Acq: 08 May 2025 16:53

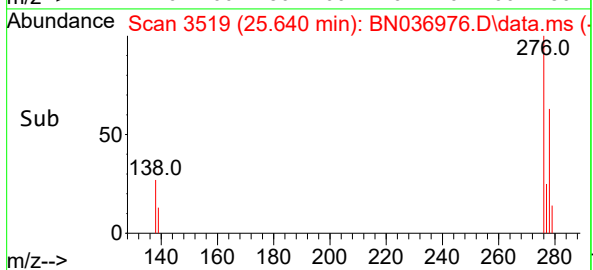
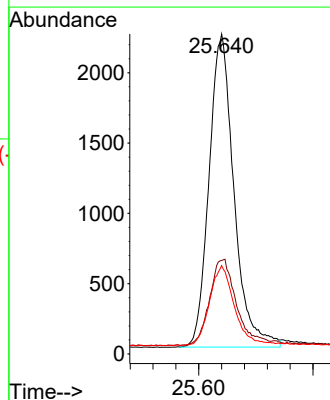
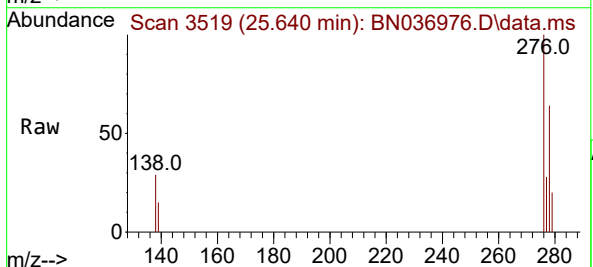
Instrument :
BNA_N
ClientSampleId :
GB2BMDS

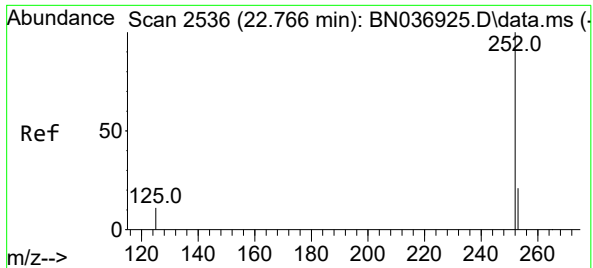
Tgt Ion:264 Resp: 4358
Ion Ratio Lower Upper
264 100
260 28.2 22.2 33.2
265 68.9 65.8 98.6



#36
Indeno(1,2,3-cd)pyrene
Concen: 0.379 ng
RT: 25.640 min Scan# 3519
Delta R.T. -0.006 min
Lab File: BN036976.D
Acq: 08 May 2025 16:53

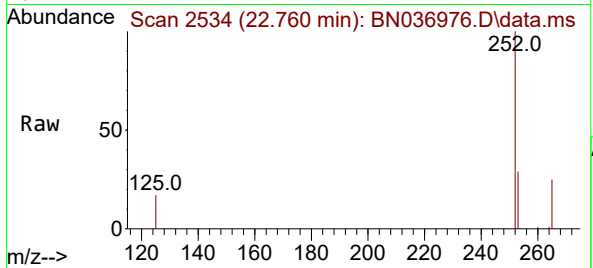
Tgt Ion:276 Resp: 6746
Ion Ratio Lower Upper
276 100
138 29.4 23.0 34.6
277 25.2 20.0 30.0



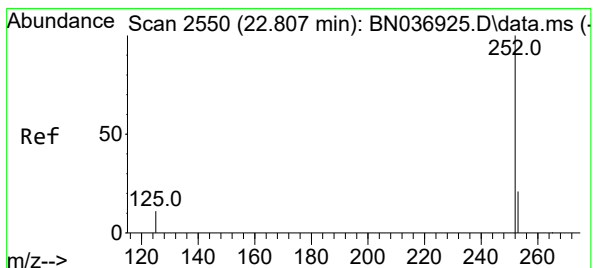
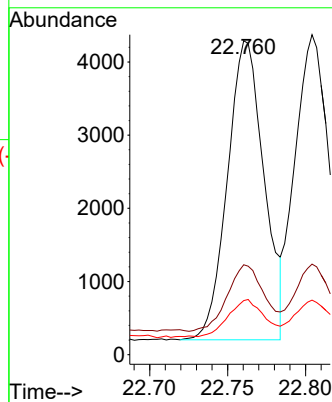


#37
Benzo(b)fluoranthene
Concen: 0.365 ng
RT: 22.760 min Scan# 2549
Delta R.T. -0.006 min
Lab File: BN036976.D
Acq: 08 May 2025 16:53

Instrument :
BNA_N
ClientSampleId :
GB2BM5D

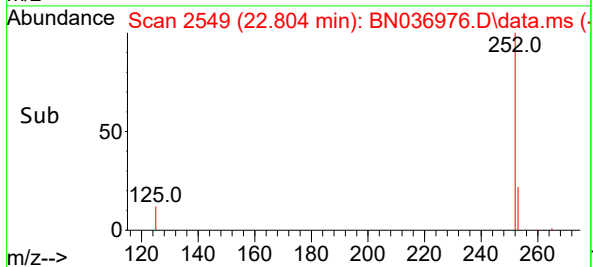
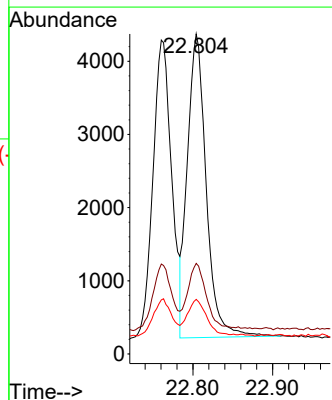
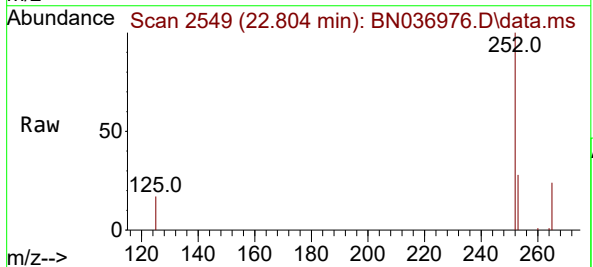


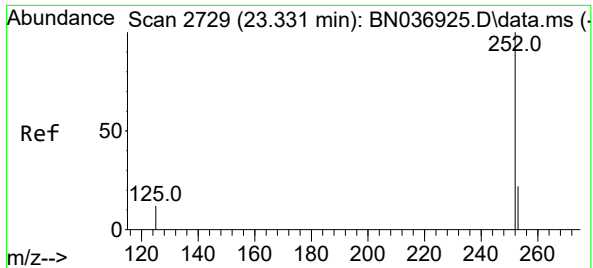
Tgt Ion:252 Resp: 6681
Ion Ratio Lower Upper
252 100
253 28.6 22.1 33.1
125 17.2 14.2 21.2



#38
Benzo(k)fluoranthene
Concen: 0.370 ng
RT: 22.804 min Scan# 2549
Delta R.T. -0.003 min
Lab File: BN036976.D
Acq: 08 May 2025 16:53

Tgt Ion:252 Resp: 6822
Ion Ratio Lower Upper
252 100
253 28.3 22.8 34.2
125 17.0 14.2 21.2





#39

Benzo(a)pyrene

Concen: 0.392 ng

RT: 23.328 min Scan# 21

Delta R.T. -0.003 min

Lab File: BN036976.D

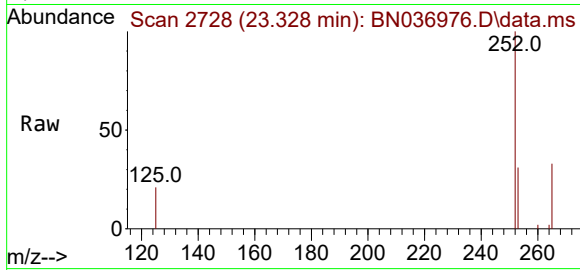
Acq: 08 May 2025 16:53

Instrument :

BNA_N

ClientSampleId :

GB2BMDS



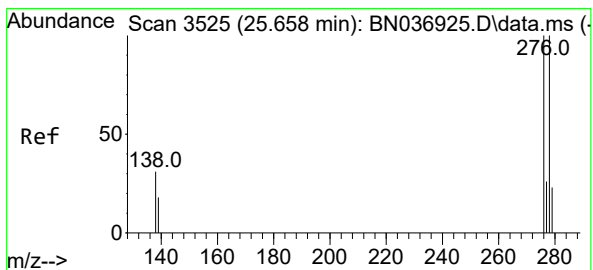
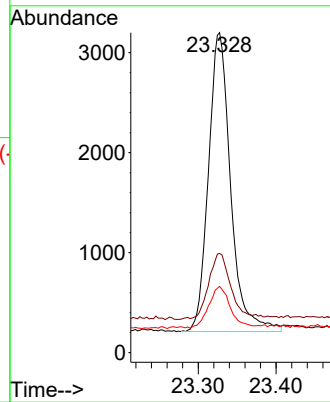
Tgt Ion:252 Resp: 5908

Ion Ratio Lower Upper

252 100

253 31.0 25.9 38.9

125 20.7 17.4 26.0



#40

Dibenzo(a,h)anthracene

Concen: 0.380 ng

RT: 25.655 min Scan# 3524

Delta R.T. -0.003 min

Lab File: BN036976.D

Acq: 08 May 2025 16:53

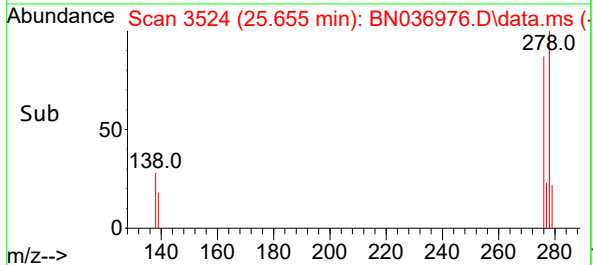
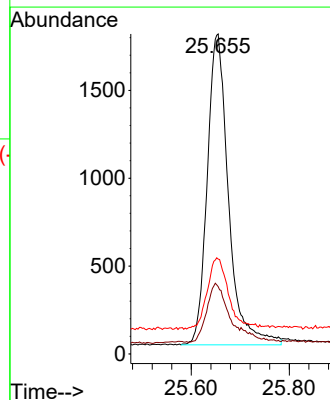
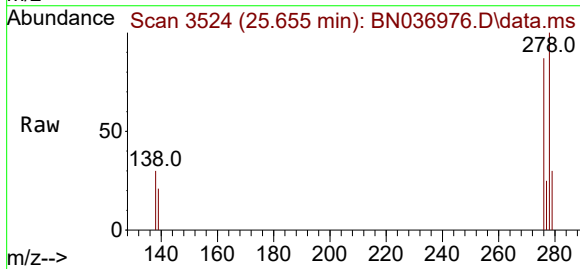
Tgt Ion:278 Resp: 5327

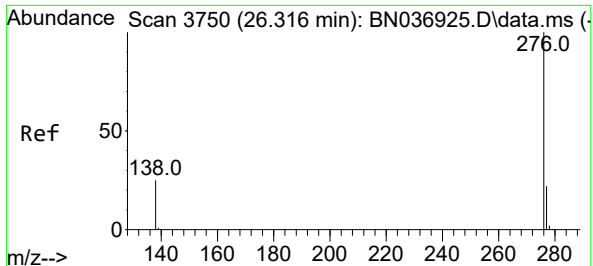
Ion Ratio Lower Upper

278 100

139 21.0 17.4 26.2

279 29.7 24.9 37.3





#41

Benzo(g,h,i)perylene

Concen: 0.347 ng

RT: 26.313 min Scan# 31

Delta R.T. -0.003 min

Lab File: BN036976.D

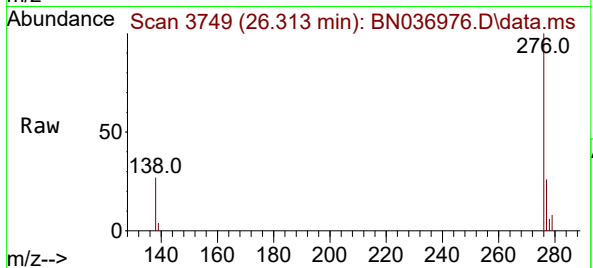
Acq: 08 May 2025 16:53

Instrument :

BNA_N

ClientSampleId :

GB2BMDS



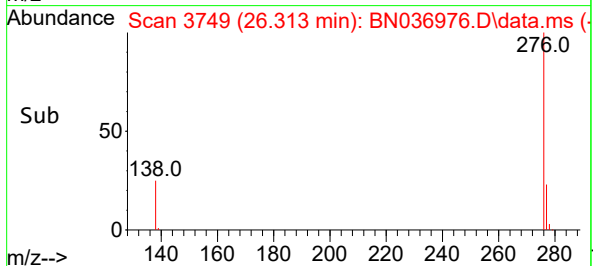
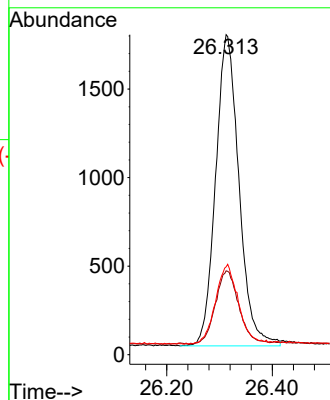
Tgt Ion:276 Resp: 5396

Ion Ratio Lower Upper

276 100

277 26.2 20.2 30.2

138 27.4 21.9 32.9



Manual Integration Report

Sequence:

BN042825

Instrument

BNA_n

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
SSTDICC0.1	BN036923.D	1,4-Dioxane	Rahul	4/29/2025 8:53:49 AM	Jagrut	4/29/2025 11:57:36 AM	Peak Integrated by Software
SSTDICC0.2	BN036924.D	1,4-Dioxane	Rahul	4/29/2025 8:53:52 AM	Jagrut	4/29/2025 11:57:39 AM	Peak Integrated by Software

Manual Integration Report

Sequence:

BN050825

Instrument

BNA_n

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
Q1939-06	BN036978.D	2-Fluorobiphenyl	Rahul	5/9/2025 9:44:03 AM	Jagrut	5/9/2025 3:44:58 PM	Peak Integrated by Software
Q1939-06	BN036978.D	Benzo(a)pyrene	Rahul	5/9/2025 9:44:03 AM	Jagrut	5/9/2025 3:44:58 PM	Peak Integrated by Software
Q1939-06	BN036978.D	Benzo(k)fluoranthene	Rahul	5/9/2025 9:44:03 AM	Jagrut	5/9/2025 3:44:58 PM	Peak Integrated by Software

Instrument ID: **BNA_N**

Daily Analysis Runlog For Sequence/QC Batch ID # BN042825

Review By	Rahul	Review On	4/29/2025 8:54:47 AM
Supervise By	Jagrut	Supervise On	4/29/2025 11:57:54 AM
SubDirectory	BN042825	HP Acquire Method	BNA_N, 8270_SiM HP Processing Method BN042825
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	SP6768		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	DFTPP	BN036922.D	28 Apr 2025 10:56	RC/JU	Ok
2	SSTDICC0.1	BN036923.D	28 Apr 2025 11:35	RC/JU	Ok,M
3	SSTDICC0.2	BN036924.D	28 Apr 2025 12:11	RC/JU	Ok,M
4	SSTDICCC0.4	BN036925.D	28 Apr 2025 12:47	RC/JU	Ok
5	SSTDICC0.8	BN036926.D	28 Apr 2025 13:24	RC/JU	Ok
6	SSTDICC1.6	BN036927.D	28 Apr 2025 14:00	RC/JU	Ok
7	SSTDICC3.2	BN036928.D	28 Apr 2025 14:36	RC/JU	Ok
8	SSTDICC5.0	BN036929.D	28 Apr 2025 15:12	RC/JU	Ok
9	SSTDICV0.4	BN036930.D	28 Apr 2025 15:51	RC/JU	Ok
10	PB167430BL	BN036931.D	28 Apr 2025 17:39	RC/JU	Not Ok

M : Manual Integration

Instrument ID: **BNA_N**

Daily Analysis Runlog For Sequence/QC Batch ID # BN050825

Review By	Rahul	Review On	5/9/2025 9:44:58 AM
Supervise By	Jagrut	Supervise On	5/9/2025 3:46:05 PM
SubDirectory	BN050825	HP Acquire Method	BNA_N, 8270_SiM HP Processing Method BN042825
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	SP6768		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	DFTPP	BN036971.D	08 May 2025 13:49	RC/JU	Ok
2	SSTDCCC0.4	BN036972.D	08 May 2025 14:28	RC/JU	Ok
3	PB167915BL	BN036973.D	08 May 2025 15:04	RC/JU	Ok
4	Q1939-04	BN036974.D	08 May 2025 15:40	RC/JU	Ok
5	Q1939-04MS	BN036975.D	08 May 2025 16:16	RC/JU	Ok
6	Q1939-04MSD	BN036976.D	08 May 2025 16:53	RC/JU	Ok
7	Q1939-02	BN036977.D	08 May 2025 17:29	RC/JU	Ok
8	Q1939-06	BN036978.D	08 May 2025 18:05	RC/JU	Ok,M
9	PB167915BS	BN036979.D	08 May 2025 18:41	RC/JU	Ok
10	SSTDCCC0.4	BN036980.D	08 May 2025 19:18	RC/JU	Ok

M : Manual Integration

Instrument ID: BNA_N

Daily Analysis Runlog For Sequence/QC Batch ID # BN042825

Review By	Rahul	Review On	4/29/2025 8:54:47 AM
Supervise By	Jagrut	Supervise On	4/29/2025 11:57:54 AM
SubDirectory	BN042825	HP Acquire Method	BNA_N, 8270_HP Processing Method BN042825

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	SP6768
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleID	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	DFTPP	DFTPP	BN036922.D	28 Apr 2025 10:56		RC/JU	Ok
2	SSTDICC0.1	SSTDICC0.1	BN036923.D	28 Apr 2025 11:35	Compound#20 removed from 0.1 ppm	RC/JU	Ok,M
3	SSTDICC0.2	SSTDICC0.2	BN036924.D	28 Apr 2025 12:11		RC/JU	Ok,M
4	SSTDICCC0.4	SSTDICCC0.4	BN036925.D	28 Apr 2025 12:47		RC/JU	Ok
5	SSTDICC0.8	SSTDICC0.8	BN036926.D	28 Apr 2025 13:24		RC/JU	Ok
6	SSTDICC1.6	SSTDICC1.6	BN036927.D	28 Apr 2025 14:00		RC/JU	Ok
7	SSTDICC3.2	SSTDICC3.2	BN036928.D	28 Apr 2025 14:36		RC/JU	Ok
8	SSTDICC5.0	SSTDICC5.0	BN036929.D	28 Apr 2025 15:12		RC/JU	Ok
9	SSTDICV0.4	ICVBN042825	BN036930.D	28 Apr 2025 15:51		RC/JU	Ok
10	PB167430BL	PB167430BL	BN036931.D	28 Apr 2025 17:39	Internal Standard Fail, Analyzed for contamination check	RC/JU	Not Ok

M : Manual Integration

Instrument ID: BNA_N

Daily Analysis Runlog For Sequence/QC Batch ID # BN050825

Review By	Rahul	Review On	5/9/2025 9:44:58 AM
Supervise By	Jagrut	Supervise On	5/9/2025 3:46:05 PM
SubDirectory	BN050825	HP Acquire Method	BNA_N, 8270_HP Processing Method BN042825

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	SP6768
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleID	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	DFTPP	DFTPP	BN036971.D	08 May 2025 13:49		RC/JU	Ok
2	SSTDCCC0.4	SSTDCCC0.4	BN036972.D	08 May 2025 14:28		RC/JU	Ok
3	PB167915BL	PB167915BL	BN036973.D	08 May 2025 15:04		RC/JU	Ok
4	Q1939-04	GB2B	BN036974.D	08 May 2025 15:40		RC/JU	Ok
5	Q1939-04MS	GB2BMS	BN036975.D	08 May 2025 16:16		RC/JU	Ok
6	Q1939-04MSD	GB2BMSD	BN036976.D	08 May 2025 16:53		RC/JU	Ok
7	Q1939-02	GB1B	BN036977.D	08 May 2025 17:29		RC/JU	Ok
8	Q1939-06	GB3B	BN036978.D	08 May 2025 18:05	Internal Standard Fail	RC/JU	Ok,M
9	PB167915BS	PB167915BS	BN036979.D	08 May 2025 18:41		RC/JU	Ok
10	SSTDCCC0.4	SSTDCCC0.4EC	BN036980.D	08 May 2025 19:18		RC/JU	Ok

M : Manual Integration

PERCENT SOLID

Supervisor: rubina
Analyst: jignesh
Date: 5/2/2025

OVENTEMP IN Celsius(°C): 107
Time IN: 17:00
In Date: 05/01/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
OvenID: M OVEN#1

OVENTEMP OUT Celsius(°C): 103
Time OUT: 08:22
Out Date: 05/02/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
BalanceID: M SC-4
Thermometer ID: % SOLID- OVEN

QC:LB135626

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
Q1928-01	MH-Q	1	1.15	10.00	11.15	9.86	87.1	
Q1928-02	MH-Q-EPH	2	1.18	10.41	11.59	10.18	86.5	
Q1928-03	MH-Q-VOC	3	1.13	10.00	11.13	9.56	84.3	
Q1929-02	WC-AA-02-C	4	1.15	10.65	11.8	10.38	86.7	
Q1929-06	WC-AA-03-C	5	1.18	10.06	11.24	9.00	77.7	
Q1929-10	WC-AA-04-C	6	1.17	10.24	11.41	9.52	81.5	
Q1932-01	COMP-4	7	1.18	10.22	11.4	10.71	93.2	
Q1932-03	COMP-5	8	1.18	10.24	11.42	10.68	92.8	
Q1932-05	COMP-6	9	1.17	10.20	11.37	10.69	93.3	
Q1932-07	COMP-7	10	1.14	10.31	11.45	10.89	94.6	
Q1933-01	OK-01-050125	11	1.18	10.05	11.23	10.41	91.8	
Q1933-02	OK-01-050125-E2	12	1.19	10.54	11.73	10.88	91.9	
Q1935-01	MH-NN	13	1.19	10.45	11.64	10.41	88.2	
Q1935-02	MH-NN-EPH	14	1.12	10.35	11.47	10.2	87.7	
Q1935-03	MH-NN-VOC	15	1.19	10.56	11.75	10.45	87.7	
Q1935-05	MH-MM	16	1.17	10.40	11.57	10.38	88.6	
Q1935-06	MH-MM-EPH	17	1.11	10.65	11.76	10.55	88.6	
Q1935-07	MH-MM-VOC	18	1.14	10.21	11.35	10.12	88.0	
Q1939-01	GB1	19	1.18	11.07	12.25	10.57	84.8	
Q1939-02	GB1B	20	1.16	10.55	11.71	9.84	82.3	
Q1939-03	GB2	21	1.19	10.57	11.76	9.43	78.0	
Q1939-04	GB2B	22	1.18	10.46	11.64	10.11	85.4	
Q1939-05	GB3	23	1.15	10.29	11.44	10.06	86.6	
Q1939-06	GB3B	24	1.13	10.07	11.2	10.04	88.5	

$$\% \text{ Solid} = \frac{(C-A) * 100}{(B-A)}$$

WORKLIST(Hardcopy Internal Chain)

135626

WorkList Name : %1-050125

WorkList ID : 189260

Department : Wet-Chemistry

Date : 05-01-2025 13:23:05

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q1928-01	MH-Q	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	05/01/2025	Chemtech -SO
Q1928-02	MH-Q-EPH	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	05/01/2025	Chemtech -SO
Q1928-03	MH-Q-VOC	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	05/01/2025	Chemtech -SO
Q1929-02	WC-AA-02-C	Solid	Percent Solids	Cool 4 deg C	ENTA05	L41	05/01/2025	Chemtech -SO
Q1929-06	WC-AA-03-C	Solid	Percent Solids	Cool 4 deg C	ENTA05	L41	05/29/2025	Chemtech -SO
Q1929-10	WC-AA-04-C	Solid	Percent Solids	Cool 4 deg C	ENTA05	L41	05/30/2025	Chemtech -SO
Q1932-01	COMP-4	Solid	Percent Solids	Cool 4 deg C	ENTA05	L41	05/30/2025	Chemtech -SO
Q1932-03	COMP-5	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	05/01/2025	Chemtech -SO
Q1932-05	COMP-6	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	05/01/2025	Chemtech -SO
Q1932-07	COMP-7	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	05/01/2025	Chemtech -SO
Q1933-01	OK-01-050125	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	05/01/2025	Chemtech -SO
Q1933-02	OK-01-050125-E2	Solid	Percent Solids	Cool 4 deg C	PSEG05	L31	05/01/2025	Chemtech -SO
Q1935-01	MH-NN	Solid	Percent Solids	Cool 4 deg C	PSEG05	L31	05/01/2025	Chemtech -SO
Q1935-02	MH-NN-EPH	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	05/01/2025	Chemtech -SO
Q1935-03	MH-NN-VOC	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	05/01/2025	Chemtech -SO
Q1935-05	MH-MM	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	05/01/2025	Chemtech -SO
Q1935-06	MH-MM-EPH	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	05/01/2025	Chemtech -SO
Q1935-07	MH-MM-VOC	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	05/01/2025	Chemtech -SO
Q1939-01	GB1	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	05/01/2025	Chemtech -SO
Q1939-02	GB1B	Solid	Percent Solids	Cool 4 deg C	GENV01	L51	05/01/2025	Chemtech -SO
Q1939-03	GB2	Solid	Percent Solids	Cool 4 deg C	GENV01	L51	05/01/2025	Chemtech -SO

Date/Time 05/01/25 15:20

Raw Sample Received by: SPWBC

Raw Sample Relinquished by: CPER

Date/Time

05/01/25

Raw Sample Received by:

SPWBC

Raw Sample Relinquished by:

SPWBC

WORKLIST(Hardcopy Internal Chain)

13526

WorkList Name : %1-050125

WorkList ID : 189260

Department : Wet-Chemistry

Date : 05-01-2025 13:23:05

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q1939-04	GB2B	Solid	Percent Solids	Cool 4 deg C	GENV01	L51	05/01/2025	Chemtech -SO
Q1939-05	GB3	Solid	Percent Solids	Cool 4 deg C	GENV01	L51	05/01/2025	Chemtech -SO
Q1939-06	GB3B	Solid	Percent Solids	Cool 4 deg C	GENV01	L51	05/01/2025	Chemtech -SO

Date/Time 05/01/25 15:20
 Raw Sample Received by: JB WDC
 Raw Sample Relinquished by: J an

Date/Time 05/01/25 17:30
 Raw Sample Received by: JB WDC
 Raw Sample Relinquished by: JB WDC

SOP ID:	M3541-ASE Extraction-14		
Clean Up SOP #:	N/A	Extraction Start Date :	05/08/2025
Matrix :	Solid	Extraction Start Time :	10:03
Welgh By:	EH	Extraction By:	RJ
Balance check:	RJ	Filter By:	RJ
Balance ID:	EX-SC-2	pH Meter ID:	N/A
pH Strip Lot#:	N/A	Hood ID:	3,7
		Concentration By:	EH
		Supervisor By :	RUPESH

Extraction Method:
☐ Seperatory Funnel
 ☐ Continious 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	EP2600
Baked Na2SO4	N/A	EP2607
Sand	N/A	E2865
Methylene Chloride	N/A	E3930
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.

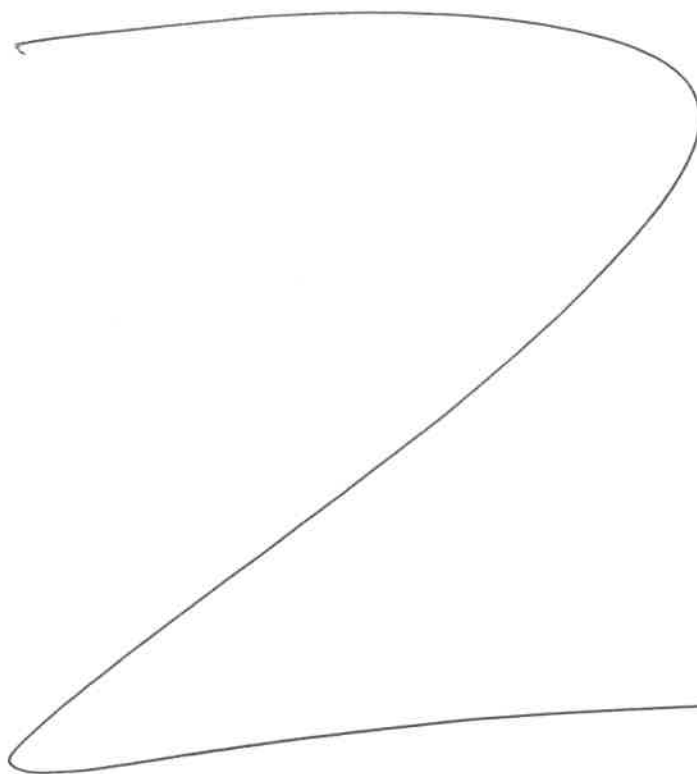
KD Bath ID:	N/A	Envap ID:	NEVAP-02
KD Bath Temperature:	N/A	Envap Temperature:	40 °C

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
5/8/25	RS (Ext Lab)	RC/SVOC
13:15	Preparation Group	Analysis Group

Analytical Method: M3541-ASE Extraction-14

Concentration Date: 05/08/2025

Sample ID	Client Sample ID	Test	g/mL	PH	Surr/Spike By:		Final Vol. (mL)	JarID	Comments	Prep Pos
					AddedBy	VerifiedBy				
PB167915BL	SBLK915	SVOC-SIMGrou p1	30.02	N/A	ritesh	Evelyn	1			U2-1
PB167915BS	SLCS915	SVOC-SIMGrou p1	30.01	N/A	ritesh	Evelyn	1			2
Q1872-11	HW0425-PT-BNA-SOIL	SVOCMS Group2	30.21	N/A	ritesh	Evelyn	1	A		3
Q1872-12	HW0425-PT-TRIAZINE-SO IL	SVOCMS Group5	30.37	N/A	ritesh	Evelyn	1	A		4
Q1872-13	HW0425-PT-PAH-SOIL	SVOCMS Group3	30.15	N/A	ritesh	Evelyn	1	A		5
Q1939-02	GB1B	SVOC-SIMGrou p1	30.05	N/A	ritesh	Evelyn	1	E		6
Q1939-04	GB2B	SVOC-SIMGrou p1	30.08	N/A	ritesh	Evelyn	1	E		U3-1
Q1939-04MS	GB2BMS	SVOC-SIMGrou p1	30.02	N/A	ritesh	Evelyn	1	E		2
Q1939-04MS D	GB2BMSD	SVOC-SIMGrou p1	30.04	N/A	ritesh	Evelyn	1	E		3
Q1939-06	GB3B	SVOC-SIMGrou p1	30.07	N/A	ritesh	Evelyn	1	E		4



RS
5/8

167915
10/25/25

WORKLIST(Hardcopy Internal Chain)

WorkList Name : Q1939 WorkList ID : 189390 Department : Extraction Date : 05-08-2025 09:56:09

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q1872-11	HW0425-PT-BNA-SOIL	Solid	SVOCMS Group2	Cool 4 deg C	ALLI03	QA Of	04/21/2025	8270-Modified
Q1872-12	HW0425-PT-TRIAZINE-SOIL	Solid	SVOCMS Group5	Cool 4 deg C	ALLI03	QA Of	04/21/2025	8270-Modified
Q1872-13	HW0425-PT-PAH-SOIL	Solid	SVOCMS Group3	Cool 4 deg C	ALLI03	QA Of	04/21/2025	8270-Modified
Q1939-02	GB1B	Solid	SVOC-SIMGroup1	Cool 4 deg C	GENV01	L51	05/01/2025	8270-Modified
Q1939-04	GB2B	Solid	SVOC-SIMGroup1	Cool 4 deg C	GENV01	L51	05/01/2025	8270-Modified
Q1939-06	GB3B	Solid	SVOC-SIMGroup1	Cool 4 deg C	GENV01	L51	05/01/2025	8270-Modified

Date/Time 5/8/25 10:00
Raw Sample Received by: RJ (Ext-06)
Raw Sample Relinquished by: [Signature]

Date/Time 5/8/25 10:20
Raw Sample Received by: [Signature]
Raw Sample Relinquished by: RJ (Ext-06)



SHIPPING DOCUMENTS

CLIENT INFORMATION

REPORT TO BE SENT TO:

COMPANY: G Environmental
ADDRESS: 8 CARRIAGE
CITY: Succasunna STATE: NJ ZIP:
ATTENTION:
PHONE: FAX:

CLIENT PROJECT INFORMATION

PROJECT NAME: Amsterdam
PROJECT NO.: LOCATION: NJ
PROJECT MANAGER: BL
e-mail:
PHONE: FAX:

CLIENT BILLING INFORMATION

BILL TO: G Environmental
ADDRESS: 8 CARRIAGE
CITY: Succasunna STATE: NJ ZIP:
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 ☐ Other Direct path
☒ EDD FORMAT has site NDA

1. TEL VOC + 15 SOL
2. EPH GAT 1
3. TAL METALS
4. 1,4 Dioxene
5.
6.
7.
8.
9.

PRESERVATIVES

COMMENTS

ALLIANCE SAMPLE ID	PROJECT SAMPLE IDENTIFICATION	SAMPLE MATRIX	SAMPLE TYPE		SAMPLE COLLECTION		# OF BOTTLES										← Specify Preservatives A-HCl D-NaOH B-HNO3 E-ICE C-H2SO4 F-OTHER
			COMP	GRAB	DATE	TIME		1	2	3	4	5	6	7	8	9	
1.	GB1	Soil		X	5/1/25	1121	5	X		X	X						
2.	GB1B					1128	1					X					
3.	GB2					1305	1			X	X						
4.	GB2B					1310	1					X					
5.	GB3					1315	1			X	X						
6.	GB3B	Soil		X	5/1/25	1325	5	X				X					
7.																	
8.																	
9.																	
10.																	

SAMPLE CUSTODY MUST BE DOCUMENTED BELOW EACH TIME SAMPLES CHANGE POSSESSION INCLUDING COURIER DELIVERY

RELINQUISHED BY SAMPLER: <u>MHC</u>	DATE/TIME: <u>5/1/25 1423</u>	RECEIVED BY: <u>[Signature]</u>	Conditions of bottles or coolers at receipt: ☐ COMPLIANT ☐ NON COMPLIANT ☐ COOLER TEMP: <u>2-3°C</u>
RELINQUISHED BY SAMPLER: <u></u>	DATE/TIME: <u></u>	RECEIVED BY: <u></u>	Comments: <u>Amsterdam</u> <u>Adjust Factor +1</u> <u>IL HW #1</u>
RELINQUISHED BY SAMPLER: <u></u>	DATE/TIME: <u></u>	RECEIVED BY: <u></u>	

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

LOGIN REPORT/SAMPLE TRANSFER

Order ID : Q1939 GENV01

Order Date : 5/1/2025 2:51:00 PM

Project Mgr :

Client Name : G Environmental

Project Name : Amsterdam

Report Type : Level 1 NJ reduce

Client Contact : Gary Landis

Receive DateTime : 5/1/2025 2:23:00 PM

EDD Type : Excel NJ

Invoice Name : G Environmental

Purchase Order :

Hard Copy Date :

Invoice Contact : Gary Landis

Date Signoff :

LAB ID	CLIENT ID	MATRIX	SAMPLE DATE	SAMPLE TIME	TEST	TEST GROUP	METHOD	FAX DATE	DUE DATES
Q1939-01	GB1	Solid	05/01/2025	11:21					
					VOCMS Group1		8260D		10 Bus. Days
Q1939-02	GB1B	Solid	05/01/2025	11:28					
					VOCMS Group1		8260D		10 Bus. Days
Q1939-03	GB2	Solid	05/01/2025	13:05					
					VOCMS Group1		8260D		10 Bus. Days
Q1939-04	GB2B	Solid	05/01/2025	13:10					
					VOCMS Group1		8260D		10 Bus. Days
Q1939-05	GB3	Solid	05/01/2025	13:15					
					VOCMS Group1		8260D		10 Bus. Days
Q1939-06	GB3B	Solid	05/01/2025	13:25					
					VOCMS Group1		8260D		10 Bus. Days

LOGIN REPORT/SAMPLE TRANSFER

Order ID : Q1939 GENV01

Order Date : 5/1/2025 2:51:00 PM

Project Mgr :

Client Name : G Environmental

Project Name : Amsterdam

Report Type : ~~Level~~ ^{NJ} Reduce

Client Contact : Gary Landis

Receive DateTime : 5/1/2025 2:23:00 PM

EDD Type : Excel NJ

Invoice Name : G Environmental

Purchase Order :

Hard Copy Date :

Invoice Contact : Gary Landis

Date Signoff :

LAB ID	CLIENT ID	MATRIX	SAMPLE DATE	SAMPLE TIME	TEST	TEST GROUP	METHOD	FAX DATE	DUE DATES
--------	-----------	--------	-------------	-------------	------	------------	--------	----------	-----------

7/24/2025

stored in roa
frz + 02 & Extract
in roa ref #06

Relinquished By :

Date / Time : 5/1/25 1520

Received By :

Date / Time : 5-1-25 15:30

Storage Area : VOA Refridgerator Room