



284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
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Hit Summary Sheet
SW-846

SDG No.: Q1870
Client: Alliance Technical Group, LLC - Newark

Sample ID	Client ID	Parameter	Concentration	C	MDL	RDL	Units
Client ID : 38073-100124							
Q1870-03	38073-100124	WATER	2,4-Dimethylphenol	38.600	1.9	5	ug/L
Total Svoc :				38.60			
Total Concentration:				38.60			



SAMPLE DATA

Report of Analysis

Client:	Alliance Technical Group, LLC - Newark		Date Collected:	04/22/25
Project:	NJ Waste Water PT		Date Received:	04/24/25
Client Sample ID:	38073-100124		SDG No.:	Q1870
Lab Sample ID:	Q1870-03		Matrix:	Water
Analytical Method:	SW8270		% Solid:	0
Sample Wt/Vol:	1000	Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:		uL	Test:	SVOCMS Group2
Extraction Type :		Decanted : N	Level :	LOW
Injection Volume :		GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3510C			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM050038.D	1	04/24/25 12:05	04/29/25 11:39	PB167729

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
105-67-9	2,4-Dimethylphenol	38.6		1.90	5.00	ug/L
SURROGATES						
367-12-4	2-Fluorophenol	145		10 - 139	96%	SPK: 150
13127-88-3	Phenol-d6	149		10 - 134	100%	SPK: 150
118-79-6	2,4,6-Tribromophenol	154		44 - 137	103%	SPK: 150
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	245000	7.763			
1146-65-2	Naphthalene-d8	915000	10.557			
15067-26-2	Acenaphthene-d10	618000	14.41			
1517-22-2	Phenanthrene-d10	1210000	17.157			
1719-03-5	Chrysene-d12	1060000	21.403			
1520-96-3	Perylene-d12	1120000	24.403			

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



QC SUMMARY

Surrogate Summary

SW-846

SDG No.: Q1870

Client: Alliance Technical Group, LLC - Newark

Analytical Method: 8270E

Lab Sample ID	Client ID	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%)	
							Low	High
PB167729BL	PB167729BL	2-Fluorophenol	150	134	89		10	139
		Phenol-d6	150	129	86		10	134
		2,4,6-Tribromophenol	150	126	84		44	137
PB167729BS	PB167729BS	2-Fluorophenol	150	133	89		10	139
		Phenol-d6	150	131	87		10	134
		2,4,6-Tribromophenol	150	133	89		44	137
Q1870-03	38073-100124	2-Fluorophenol	150	145	96		10	139
		Phenol-d6	150	149	100		10	134
		2,4,6-Tribromophenol	150	154	103		44	137

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q1870

Client: Alliance Technical Group, LLC - Newark

Analytical Method: 8270E DataFile: BM050040.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD	Limits		RPD
								Qual	Low	High	
PB167729BS	2,4-Dimethylphenol	50	43.5	ug/L	87				42	142	

4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB167729BL

Lab Name: CHEMTECH

Contract: ALLI03

Lab Code: CHEM Case No.: Q1870

SAS No.: Q1870 SDG NO.: Q1870

Lab File ID: BM050036.D

Lab Sample ID: PB167729BL

Instrument ID: BNA_M

Date Extracted: 04/24/2025

Matrix: (soil/water) Water

Date Analyzed: 04/29/2025

Level: (low/med) LOW

Time Analyzed: 09:52

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
PB167729BS	PB167729BS	BM050040.D	04/29/2025
38073-100124	Q1870-03	BM050038.D	04/29/2025

COMMENTS: _____

5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH

Contract: ALLI03

Lab Code: CHEM

SAS No.: Q1870

SDG NO.: Q1870

Lab File ID: BM050023.D

DFTPP Injection Date: 04/28/2025

Instrument ID: BNA_M

DFTPP Injection Time: 11:46

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	23.8
68	Less than 2.0% of mass 69	0.4 (1.3) 1
69	Mass 69 relative abundance	28.5
70	Less than 2.0% of mass 69	0.1 (0.4) 1
127	10.0 - 80.0% of mass 198	35.7
197	Less than 2.0% of mass 198	0.4
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	7
275	10.0 - 60.0% of mass 198	26.2
365	Greater than 1% of mass 198	3.5
441	Present, but less than mass 443	11.6
442	Greater than 50% of mass 198	100
443	15.0 - 24.0% of mass 442	14.4 (19.3) 2

1-Value is % mass 69

2-Value is % mass 442

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
SSTDICC2.5	SSTDICC2.5	BM050024.D	04/28/2025	12:30
SSTDICC005	SSTDICC005	BM050025.D	04/28/2025	13:09
SSTDICC010	SSTDICC010	BM050026.D	04/28/2025	13:48
SSTDICC020	SSTDICC020	BM050027.D	04/28/2025	14:27
SSTDICCC040	SSTDICCC040	BM050028.D	04/28/2025	15:06
SSTDICC050	SSTDICC050	BM050029.D	04/28/2025	15:45
SSTDICC060	SSTDICC060	BM050030.D	04/28/2025	16:24
SSTDICC080	SSTDICC080	BM050031.D	04/28/2025	17:04

5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH

Contract: ALLI03

Lab Code: CHEM

SAS No.: Q1870 SDG NO.: Q1870

Lab File ID: BM050034.D

DFTPP Injection Date: 04/29/2025

Instrument ID: BNA_M

DFTPP Injection Time: 08:34

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	23.3
68	Less than 2.0% of mass 69	0.4 (1.4) 1
69	Mass 69 relative abundance	28.2
70	Less than 2.0% of mass 69	0.1 (0.5) 1
127	10.0 - 80.0% of mass 198	35
197	Less than 2.0% of mass 198	0.2
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	6.8
275	10.0 - 60.0% of mass 198	26.2
365	Greater than 1% of mass 198	3.5
441	Present, but less than mass 443	11.6
442	Greater than 50% of mass 198	100
443	15.0 - 24.0% of mass 442	14.5 (19.6) 2

1-Value is % mass 69

2-Value is % mass 442

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
SSTDCCC040	SSTDCCC040	BM050035.D	04/29/2025	09:13
PB167729BL	PB167729BL	BM050036.D	04/29/2025	09:52
38073-100124	Q1870-03	BM050038.D	04/29/2025	11:39
PB167729BS	PB167729BS	BM050040.D	04/29/2025	12:58

8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: Q1870 SAS No.: Q1870 SDG NO.: Q1870

EPA Sample No.: SSTDCCC040 Date Analyzed: 04/29/2025

Lab File ID: BM050035.D Time Analyzed: 09:13

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

	IS1 (DCB) AREA #	RT #	IS2 (NPT) AREA #	RT #	IS3 (ANT) AREA #	RT #
12 HOUR STD	251798	7.769	911122	10.56	601329	14.41
UPPER LIMIT	503596	8.269	1822240	11.057	1202660	14.91
LOWER LIMIT	125899	7.269	455561	10.057	300665	13.91
EPA SAMPLE NO.						
01 PB167729BL	267473	7.77	926574	10.56	611197	14.41
02 38073-100124	245413	7.76	914618	10.56	618114	14.41
03 PB167729BS	269893	7.76	961152	10.56	608153	14.41

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.: Q1870 SAS No.: Q1870 SDG NO.: Q1870

EPA Sample No.: SSTDCCC040 Date Analyzed: 04/29/2025

Lab File ID: BM050035.D Time Analyzed: 09:13

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

	IS4 (PHN) AREA #	RT #	IS5 (CRY) AREA #	RT #	IS6 (PRY) AREA #	RT #
12 HOUR STD	1168790	17.156	1131300	21.397	1083540	24.397
UPPER LIMIT	2337580	17.656	2262600	21.897	2167080	24.897
LOWER LIMIT	584395	16.656	565650	20.897	541770	23.897
EPA SAMPLE NO.						
01 PB167729BL	1171850	17.16	971539	21.40	1012330	24.40
02 38073-100124	1211510	17.16	1057120	21.40	1117520	24.40
03 PB167729BS	1141690	17.16	1074280	21.40	1054030	24.40

IS4 (PHN) = Phenanthrene-d10

IS5 (CRY) = Chrysene-d12

IS6 (PRY) = Perylene-d12

AREA UPPER LIMIT = +100% of internal standard area

AREA LOWER LIMIT = -50% of internal standard area

RT UPPER LIMIT = +0.50 minutes of internal standard RT

RT UPPER LIMIT = -0.50 minutes of internal standard RT

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

* Values outside of QC limits.



QC SAMPLE DATA

Report of Analysis

Client:	Alliance Technical Group, LLC - Newark	Date Collected:	
Project:	NJ Waste Water PT	Date Received:	
Client Sample ID:	PB167729BL	SDG No.:	Q1870
Lab Sample ID:	PB167729BL	Matrix:	Water
Analytical Method:	SW8270	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOCMS Group2
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM050036.D	1	04/24/25 12:05	04/29/25 09:52	PB167729

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
105-67-9	2,4-Dimethylphenol	1.90	U	1.90	5.00	ug/L
SURROGATES						
367-12-4	2-Fluorophenol	134		10 - 139	89%	SPK: 150
13127-88-3	Phenol-d6	129		10 - 134	86%	SPK: 150
118-79-6	2,4,6-Tribromophenol	126		44 - 137	84%	SPK: 150
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	267000	7.769			
1146-65-2	Naphthalene-d8	927000	10.563			
15067-26-2	Acenaphthene-d10	611000	14.41			
1517-22-2	Phenanthrene-d10	1170000	17.162			
1719-03-5	Chrysene-d12	972000	21.403			
1520-96-3	Perylene-d12	1010000	24.403			

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

Report of Analysis

Client:	Alliance Technical Group, LLC - Newark	Date Collected:	
Project:	NJ Waste Water PT	Date Received:	
Client Sample ID:	PB167729BS	SDG No.:	Q1870
Lab Sample ID:	PB167729BS	Matrix:	Water
Analytical Method:	SW8270	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOCMS Group2
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM050040.D	1	04/24/25 12:05	04/29/25 12:58	PB167729

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
105-67-9	2,4-Dimethylphenol	43.5		1.90	5.00	ug/L
SURROGATES						
367-12-4	2-Fluorophenol	133		10 - 139	89%	SPK: 150
13127-88-3	Phenol-d6	131		10 - 134	87%	SPK: 150
118-79-6	2,4,6-Tribromophenol	133		44 - 137	89%	SPK: 150
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	270000	7.763			
1146-65-2	Naphthalene-d8	961000	10.557			
15067-26-2	Acenaphthene-d10	608000	14.41			
1517-22-2	Phenanthrene-d10	1140000	17.156			
1719-03-5	Chrysene-d12	1070000	21.397			
1520-96-3	Perylene-d12	1050000	24.397			

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

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() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products



CALIBRATION SUMMARY

Method Path : Z:\svoasrv\HPCHEM1\BNA_M\Methods\
 Method File : 8270-BM042825.M
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 Last Update : Mon Apr 28 18:09:16 2025
 Response Via : Initial Calibration

Calibration Files

2.5 =BM050024.D 5 =BM050025.D 10 =BM050026.D 20 =BM050027.D 40 =BM050028.D 50 =BM050029.D 60 =BM050030.D 80 =BM050031.D

Compound	2.5	5	10	20	40	50	60	80	Avg	%RSD

1) I 1,4-Dichlorobenzen...	-----ISTD-----									
2) 1,4-Dioxane	0.506	0.464	0.478	0.511	0.504	0.491	0.473	0.490		3.75
3) Pyridine	1.201	1.166	1.229	1.331	1.328	1.292	1.261	1.258		5.03
4) n-Nitrosodimet...	0.487	0.459	0.475	0.522	0.518	0.504	0.490	0.493		4.62
5) S 2-Fluorophenol	1.074	1.079	1.107	1.208	1.211	1.173	1.142	1.142		5.04
6) Aniline	1.657	1.689	1.768	1.942	1.922	1.875	1.835	1.813		6.16
7) S Phenol-d6	1.290	1.318	1.398	1.543	1.537	1.494	1.469	1.436		7.13
8) 2-Chlorophenol	1.169	1.161	1.198	1.312	1.301	1.268	1.235	1.235		4.96
9) Benzaldehyde	0.940	0.920	0.971	1.031	1.013	0.956	0.894	0.961		5.08
10) C Phenol	1.349	1.344	1.420	1.539	1.537	1.501	1.483	1.453		5.73
11) bis(2-Chloroet...	1.213	1.105	1.176	1.279	1.271	1.233	1.218	1.213		4.90
12) 1,3-Dichlorobe...	1.483	1.428	1.453	1.566	1.552	1.508	1.453	1.492		3.51
13) C 1,4-Dichlorobe...	1.518	1.418	1.463	1.561	1.557	1.516	1.458	1.499		3.60
14) 1,2-Dichlorobe...	1.420	1.393	1.423	1.522	1.506	1.464	1.405	1.448		3.50
15) Benzyl Alcohol	0.866	0.881	0.966	1.080	1.074	1.050	1.050	0.996		9.16
16) 2,2'-oxybis(1-...	1.487	1.422	1.445	1.552	1.513	1.473	1.433	1.475		3.17
17) 2-Methylphenol	0.857	0.893	0.931	1.033	1.026	0.988	0.975	0.957		6.96
18) Hexachloroethane	0.552	0.508	0.521	0.556	0.548	0.533	0.510	0.533		3.79
19) P n-Nitroso-di-n...	0.802	0.889	0.885	0.921	1.003	0.988	0.949	0.928	0.921	6.95
20) 3+4-Methylphenols	1.137	1.170	1.267	1.393	1.392	1.349	1.341	1.293		8.09

21) I Naphthalene-d8	-----ISTD-----									
22) Acetophenone	0.483	0.464	0.485	0.531	0.525	0.506	0.487	0.497		4.94
23) S Nitrobenzene-d5	0.386	0.374	0.397	0.434	0.433	0.417	0.400	0.406		5.68
24) Nitrobenzene	0.337	0.325	0.345	0.374	0.372	0.358	0.346	0.351		5.16
25) Isophorone	0.666	0.648	0.680	0.729	0.729	0.704	0.687	0.692		4.44
26) C 2-Nitrophenol	0.148	0.157	0.172	0.196	0.198	0.192	0.191	0.179		11.33
27) 2,4-Dimethylph...	0.263	0.266	0.289	0.324	0.322	0.312	0.305	0.297		8.42
28) bis(2-Chloroet...	0.407	0.399	0.422	0.455	0.452	0.434	0.425	0.428		4.92
29) C 2,4-Dichloroph...	0.294	0.298	0.326	0.362	0.359	0.351	0.342	0.333		8.47
30) 1,2,4-Trichlor...	0.400	0.384	0.394	0.427	0.426	0.412	0.399	0.406		4.02
31) Naphthalene	1.001	0.959	0.993	1.066	1.057	1.023	0.989	1.013		3.80
32) Benzoic acid		0.138	0.172	0.197	0.206	0.212	0.215	0.190		15.67
33) 4-Chloroaniline	0.361	0.393	0.404	0.441	0.448	0.437	0.423	0.415		7.51
34) C Hexachlorobuta...	0.253	0.240	0.249	0.270	0.270	0.263	0.258	0.258		4.34
35) Caprolactam	0.090	0.085	0.095	0.104	0.104	0.102	0.100	0.097		7.73
36) C 4-Chloro-3-met...	0.289	0.283	0.302	0.325	0.329	0.317	0.309	0.308		5.72
37) 2-Methylnaphth...	0.656	0.639	0.662	0.713	0.714	0.692	0.678	0.679		4.22
38) 1-Methylnaphth...	0.703	0.675	0.708	0.753	0.751	0.731	0.710	0.719		3.92

Method Path : Z:\svoasrv\HPCHEM1\BNA_M\Methods\
 Method File : 8270-BM042825.M

39) I	Acenaphthene-d10	-----ISTD-----									
40)	1,2,4,5-Tetrac...	0.624	0.622	0.655	0.742	0.745	0.725	0.733	0.692	8.17	
41) P	Hexachlorocycl...		0.303	0.362	0.455	0.468	0.467	0.483	0.423	17.30	
42) S	2,4,6-Tribromo...	0.253	0.249	0.281	0.318	0.329	0.318	0.323	0.296	11.61	
43) C	2,4,6-Trichlor...	0.372	0.381	0.423	0.476	0.485	0.467	0.469	0.439	10.76	
44)	2,4,5-Trichlor...	0.410	0.417	0.453	0.517	0.519	0.501	0.497	0.474	9.83	
45) S	2-Fluorobiphenyl	1.588	1.555	1.632	1.807	1.822	1.744	1.688	1.691	6.21	
46)	1,1'-Biphenyl	1.427	1.395	1.452	1.573	1.581	1.507	1.473	1.487	4.77	
47)	2-Chloronaphth...	1.126	1.112	1.155	1.250	1.248	1.192	1.158	1.177	4.69	
48)	2-Nitroaniline	0.238	0.242	0.269	0.302	0.304	0.294	0.286	0.276	9.96	
49)	Acenaphthylene	1.794	1.715	1.810	1.972	1.971	1.889	1.845	1.857	5.10	
50)	Dimethylphthalate	1.444	1.377	1.437	1.532	1.543	1.470	1.429	1.462	4.02	
51)	2,6-Dinitrotol...	0.266	0.271	0.299	0.327	0.331	0.316	0.309	0.303	8.50	
52) C	Acenaphthene	1.038	0.998	1.046	1.133	1.145	1.094	1.067	1.075	4.93	
53)	3-Nitroaniline	0.233	0.247	0.284	0.321	0.325	0.311	0.302	0.289	12.47	
54) P	2,4-Dinitrophenol		0.100	0.132	0.178	0.194	0.188	0.191	0.164	23.65	
55)	Dibenzofuran	1.749	1.681	1.749	1.876	1.888	1.810	1.763	1.788	4.17	
56) P	4-Nitrophenol		0.128	0.180	0.224	0.237	0.231	0.231	0.205	20.96	
57)	2,4-Dinitrotol...	0.338	0.366	0.412	0.456	0.468	0.447	0.440	0.418	11.72	
58)	Fluorene	1.387	1.343	1.431	1.558	1.573	1.500	1.453	1.463	5.84	
59)	2,3,4,6-Tetrac...	0.366	0.362	0.398	0.435	0.445	0.432	0.431	0.410	8.44	
60)	Diethylphthalate	1.372	1.301	1.380	1.433	1.451	1.376	1.328	1.377	3.86	
61)	4-Chlorophenyl...	0.741	0.716	0.770	0.857	0.871	0.836	0.836	0.804	7.58	
62)	4-Nitroaniline	0.208	0.234	0.277	0.313	0.321	0.301	0.295	0.279	15.17	
63)	Azobenzene	1.118	1.091	1.150	1.216	1.229	1.165	1.110	1.154	4.59	
64) I	Phenanthrene-d10	-----ISTD-----									
65)	4,6-Dinitro-2-...		0.088	0.110	0.135	0.142	0.138	0.137	0.125	17.16	
66) c	n-Nitrosodiphe...	0.580	0.572	0.596	0.655	0.657	0.629	0.610	0.614	5.56	
67)	4-Bromophenyl-...	0.223	0.216	0.229	0.258	0.258	0.256	0.253	0.242	7.60	
68)	Hexachlorobenzene	0.265	0.251	0.264	0.294	0.295	0.291	0.291	0.279	6.49	
69)	Atrazine	0.196	0.198	0.214	0.236	0.242	0.234	0.230	0.222	8.47	
70) C	Pentachlorophenol		0.117	0.141	0.167	0.172	0.170	0.174	0.157	14.52	
71)	Phenanthrene	1.075	1.035	1.083	1.187	1.212	1.173	1.132	1.128	5.84	
72)	Anthracene	1.062	1.038	1.096	1.214	1.236	1.191	1.154	1.142	6.78	
73)	Carbazole	0.909	0.900	0.960	1.054	1.075	1.038	0.999	0.991	7.05	
74)	Di-n-butylphth...	1.106	1.082	1.151	1.246	1.277	1.231	1.165	1.180	6.25	
75) C	Fluoranthene	1.178	1.142	1.250	1.410	1.455	1.425	1.411	1.324	9.86	
76) I	Chrysene-d12	-----ISTD-----									
77)	Benzidine		0.560	0.646	0.772	0.769	0.765	0.751	0.710	12.36	
78)	Pyrene	1.290	1.255	1.332	1.518	1.520	1.465	1.453	1.404	7.83	
79) S	Terphenyl-d14	1.176	1.189	1.332	1.524	1.541	1.458	1.239	1.352	11.58	
80)	Butylbenzylpht...	0.489	0.479	0.515	0.562	0.568	0.545	0.524	0.526	6.53	
81)	Benzo(a)anthra...	1.280	1.231	1.321	1.478	1.479	1.442	1.408	1.377	7.24	
82)	3,3'-Dichlorob...	0.434	0.432	0.483	0.580	0.597	0.583	0.581	0.527	14.14	
83)	Chrysene	1.208	1.170	1.214	1.342	1.369	1.325	1.296	1.275	6.03	
84)	Bis(2-ethylhex...	0.726	0.725	0.775	0.843	0.852	0.814	0.765	0.786	6.61	
85) c	Di-n-octyl pht...	1.221	1.197	1.267	1.366	1.404	1.341	1.275	1.296	5.92	

Method Path : Z:\svoasrv\HPCHEM1\BNA_M\Methods\
Method File : 8270-BM042825.M

86) I	Perylene-d12	-----ISTD-----								
87)	Indeno(1,2,3-c...	1.301	1.293	1.404	1.602	1.646	1.591	1.595	1.490	10.27
88)	Benzo(b)fluora...	1.128	1.149	1.209	1.406	1.415	1.408	1.390	1.301	10.16
89)	Benzo(k)fluora...	1.219	1.150	1.251	1.387	1.449	1.383	1.372	1.316	8.29
90) C	Benzo(a)pyrene	1.094	1.066	1.147	1.295	1.330	1.298	1.297	1.218	9.15
91)	Dibenzo(a,h)an...	1.056	1.044	1.142	1.300	1.347	1.305	1.310	1.215	10.72
92)	Benzo(g,h,i)pe...	1.066	1.030	1.105	1.236	1.268	1.224	1.212	1.163	8.07

(#) = Out of Range

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: ALLI03

Lab Code: CHEM Case No.: Q1870 SAS No.: Q1870 SDG No.: Q1870

Instrument ID: BNA_M Calibration Date/Time: 04/29/2025 09:13

Lab File ID: BM050035.D Init. Calib. Date(s): 04/28/2025 04/28/2025

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 12:30 17:04

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

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
2-Fluorophenol	1.142	1.236		8.2	
Phenol-d6	1.436	1.548		7.8	
Nitrobenzene-d5	0.406	0.443		9.1	
2,4-Dimethylphenol	0.297	0.320		7.7	
2-Fluorobiphenyl	1.691	1.844		9.0	
2,4,6-Tribromophenol	0.296	0.317		7.1	
Terphenyl-d14	1.352	1.558		15.2	

All other compounds must meet a minimum RRF of 0.010.



SAMPLE RAW DATA

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM042925\
 Data File : BM050038.D
 Acq On : 29 Apr 2025 11:39
 Operator : RC/JU
 Sample : Q1870-03
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 38073-100124

Quant Time: Apr 29 12:23:19 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM042825.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Apr 28 18:09:16 2025
 Response via : Initial Calibration

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

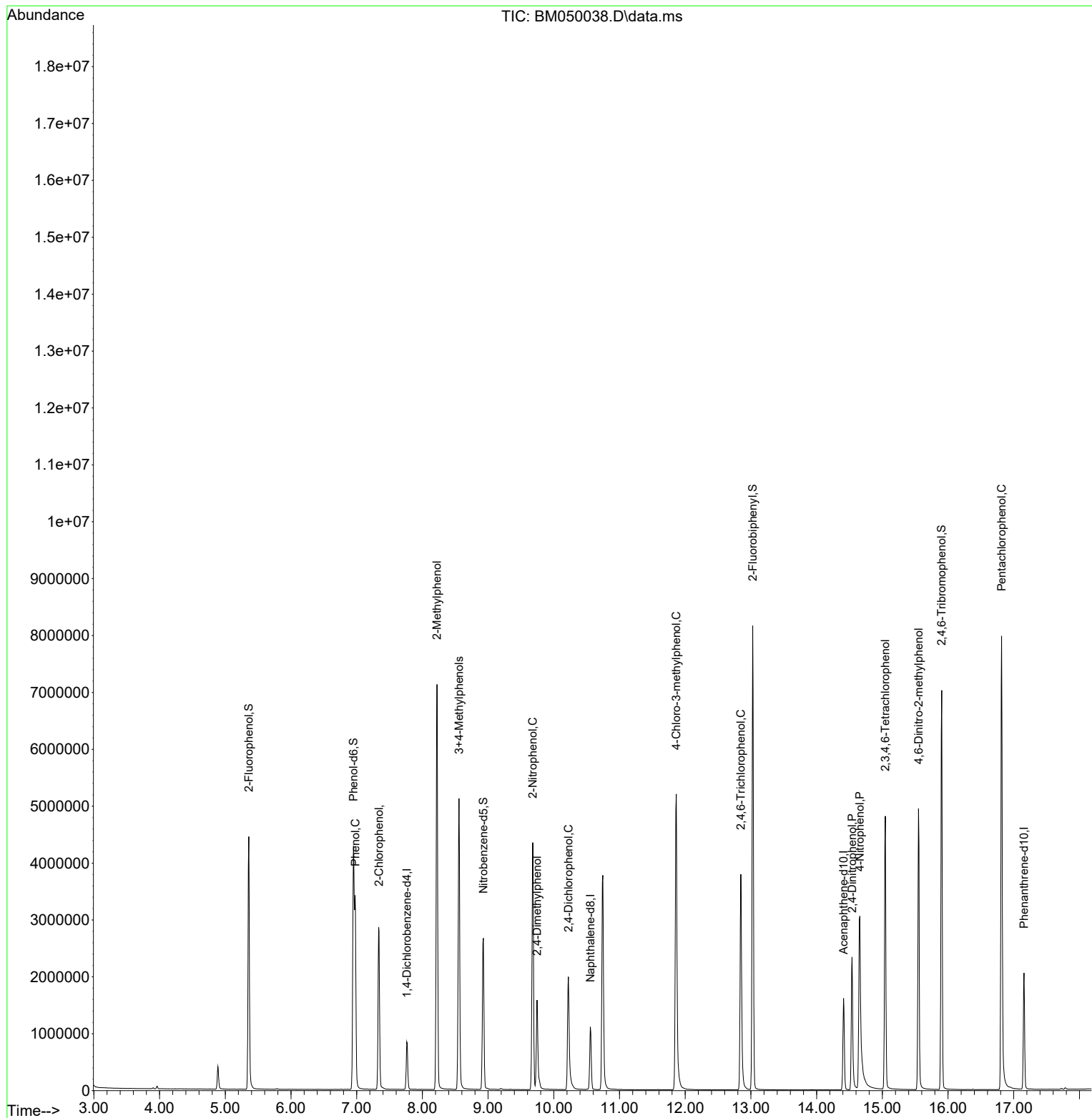
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.763	152	245413	20.000	ng	0.00
21) Naphthalene-d8	10.557	136	914618	20.000	ng	0.00
39) Acenaphthene-d10	14.410	164	618114	20.000	ng	0.00
64) Phenanthrene-d10	17.157	188	1211511	20.000	ng	0.00
76) Chrysene-d12	21.403	240	1057120	20.000	ng	0.00
86) Perylene-d12	24.403	264	1117523	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.357	112	2025635	144.533	ng	0.00
7) Phenol-d6	6.951	99	2630309	149.322	ng	0.00
23) Nitrobenzene-d5	8.928	82	1551763	83.604	ng	0.00
42) 2,4,6-Tribromophenol	15.904	330	1407153	153.962	ng	0.00
45) 2-Fluorobiphenyl	13.027	172	4363352	83.509	ng	0.00
79) Terphenyl-d14	19.780	244	7391887	103.471	ng	0.00
Target Compounds						
						Qvalue
8) 2-Chlorophenol	7.340	128	1351687	89.201	ng	100
10) Phenol	6.981	94	1764956	98.975	ng	97
17) 2-Methylphenol	8.222	107	2184055	185.916	ng	98
20) 3+4-Methylphenols	8.557	107	1923303	121.233	ng	91
26) 2-Nitrophenol	9.681	139	1546833	188.661	ng	99
27) 2,4-Dimethylphenol	9.745	122	524727	38.592	ng	98
29) 2,4-Dichlorophenol	10.222	162	933870	61.308	ng	99
36) 4-Chloro-3-methylphenol	11.863	107	2073107	147.310	ng	99
43) 2,4,6-Trichlorophenol	12.845	196	1151938	84.878	ng	97
54) 2,4-Dinitrophenol	14.539	184	658465	107.856	ng	99
56) 4-Nitrophenol	14.657	139	1345989	179.320	ng	99
59) 2,3,4,6-Tetrachlorophenol	15.045	232	1063736	83.970	ng	98
65) 4,6-Dinitro-2-methylph...	15.551	198	1381151	182.123	ng	97
70) Pentachlorophenol	16.815	266	1687241	177.494	ng	99

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

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM042925\
Data File : BM050038.D
Acq On : 29 Apr 2025 11:39
Operator : RC/JU
Sample : Q1870-03
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
38073-100124

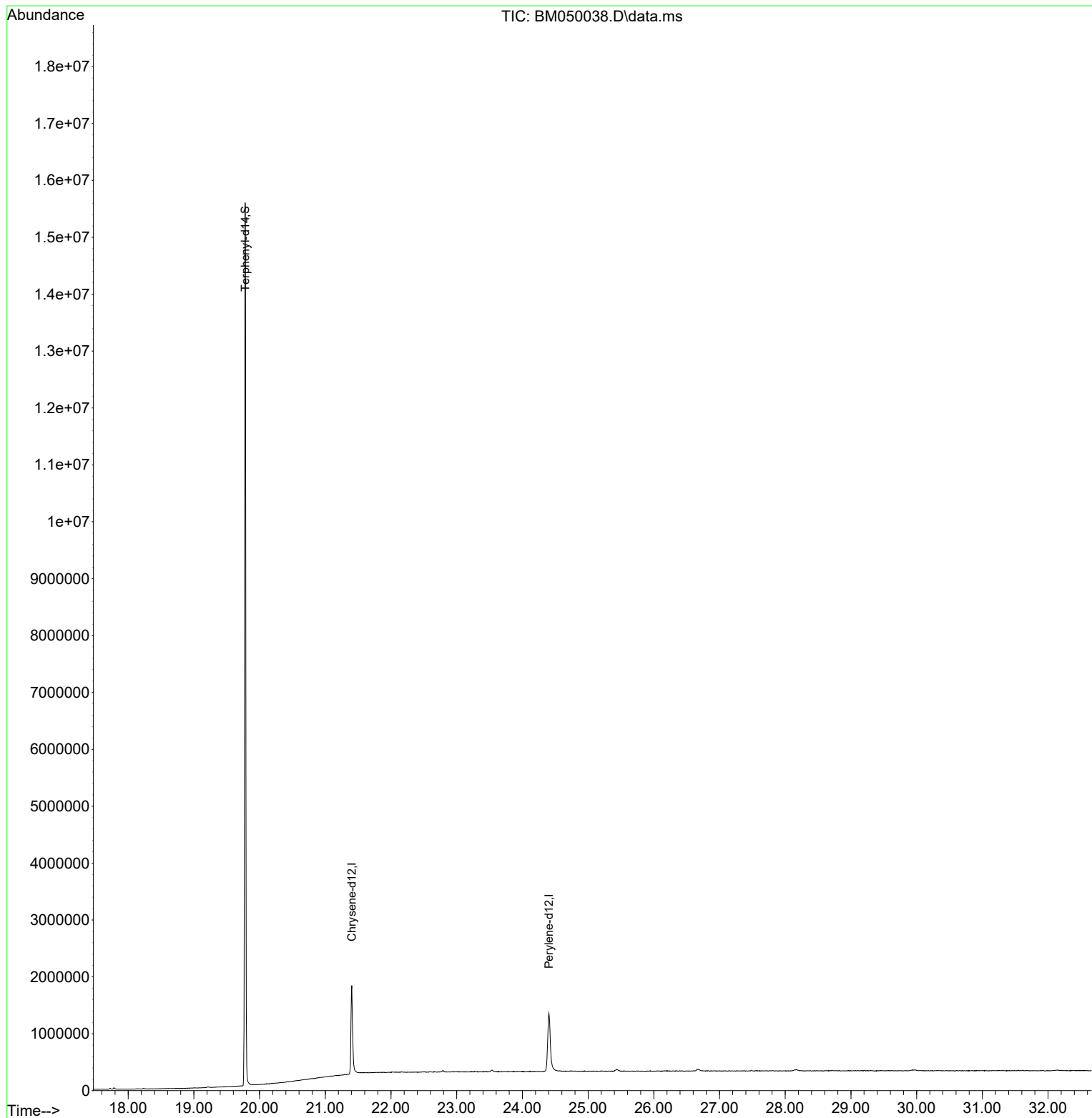
Quant Time: Apr 29 12:23:19 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM042825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Apr 28 18:09:16 2025
Response via : Initial Calibration

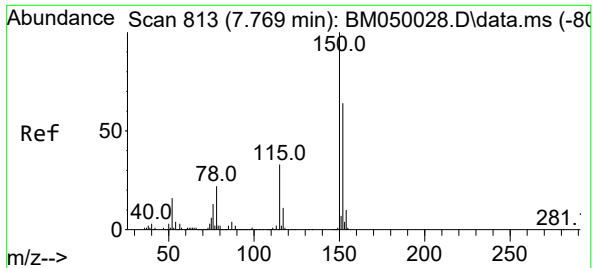


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Data File : BM050038.D
Acq On : 29 Apr 2025 11:39
Operator : RC/JU
Sample : Q1870-03
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
38073-100124

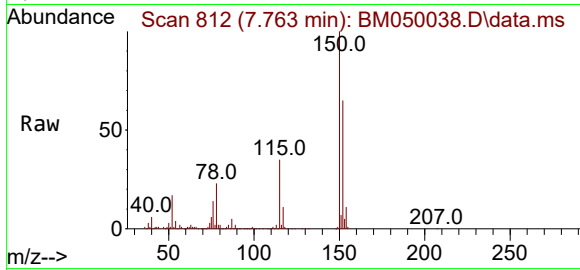
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Apr 28 18:09:16 2025
Response via : Initial Calibration



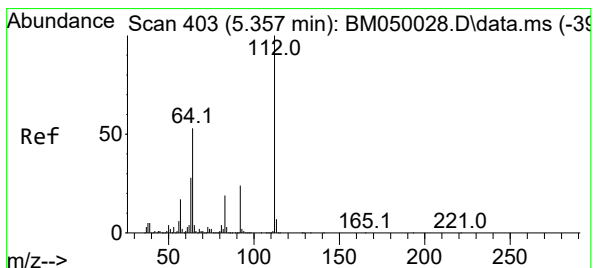
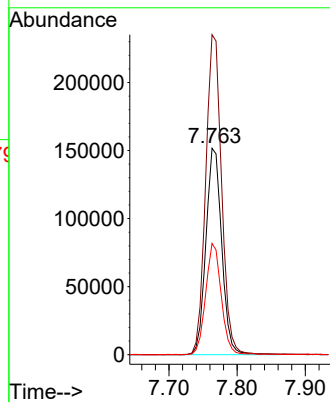
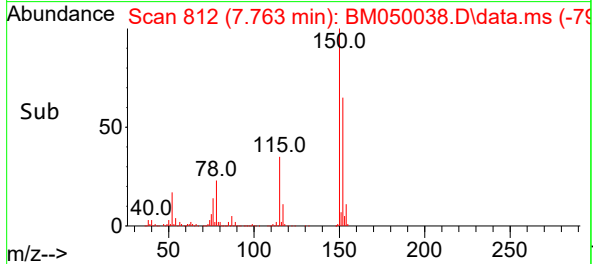


#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.763 min Scan# 813
Delta R.T. -0.006 min
Lab File: BM050038.D
Acq: 29 Apr 2025 11:39

Instrument :
BNA_M
ClientSampleId :
38073-100124

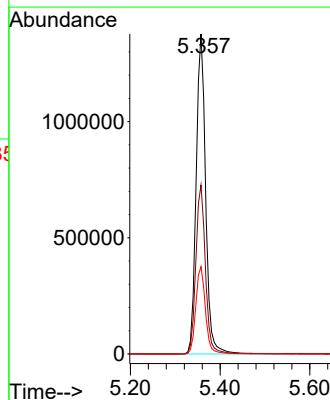
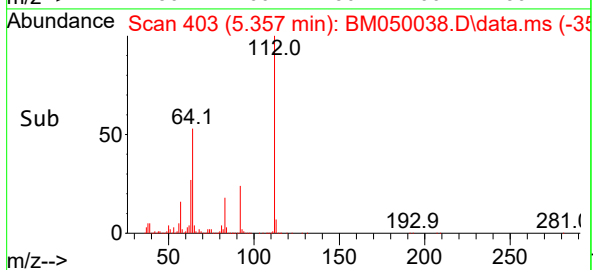
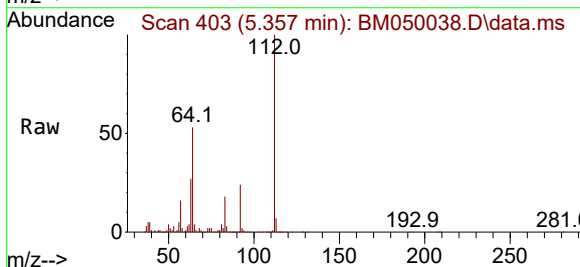


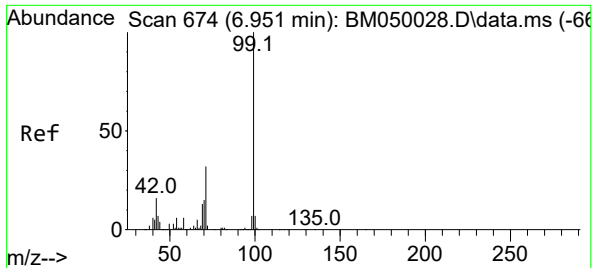
Tgt Ion:152 Resp: 245413
Ion Ratio Lower Upper
152 100
150 155.0 124.1 186.1
115 53.9 41.2 61.8



#5
2-Fluorophenol
Concen: 144.533 ng
RT: 5.357 min Scan# 403
Delta R.T. -0.000 min
Lab File: BM050038.D
Acq: 29 Apr 2025 11:39

Tgt Ion:112 Resp: 2025635
Ion Ratio Lower Upper
112 100
64 52.8 42.6 64.0
63 27.3 22.2 33.4

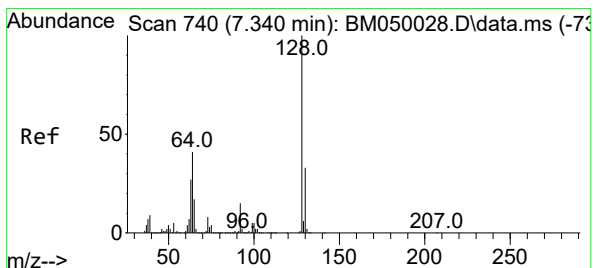
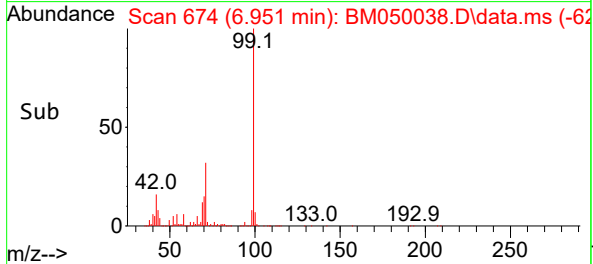
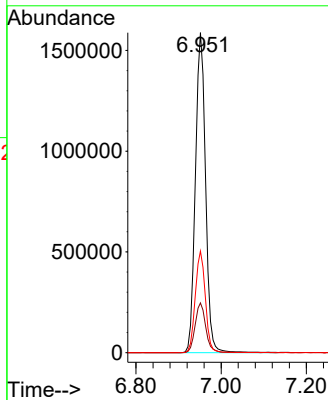
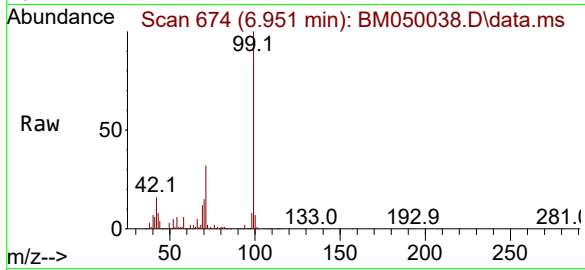




#7
Phenol-d6
Concen: 149.322 ng
RT: 6.951 min Scan# 61
Delta R.T. -0.000 min
Lab File: BM050038.D
Acq: 29 Apr 2025 11:39

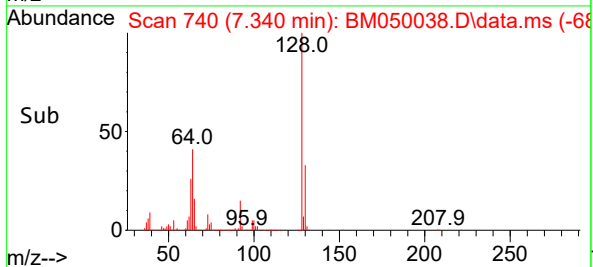
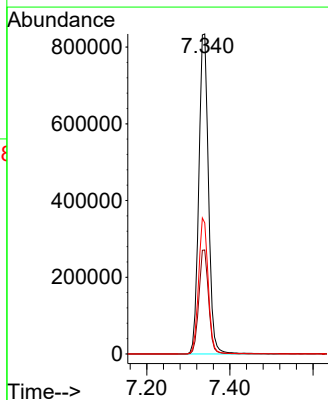
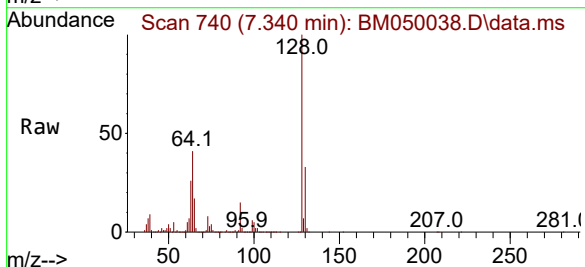
Instrument :
BNA_M
ClientSampleId :
38073-100124

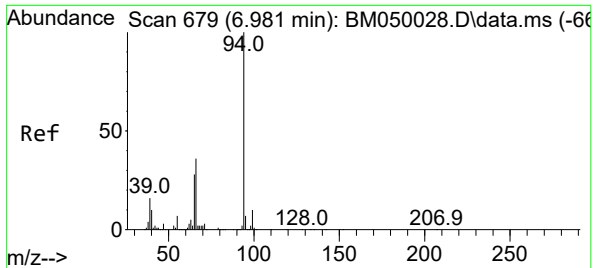
Tgt Ion: 99 Resp: 2630309
Ion Ratio Lower Upper
99 100
42 15.5 13.0 19.4
71 31.8 25.6 38.4



#8
2-Chlorophenol
Concen: 89.201 ng
RT: 7.340 min Scan# 740
Delta R.T. -0.000 min
Lab File: BM050038.D
Acq: 29 Apr 2025 11:39

Tgt Ion: 128 Resp: 1351687
Ion Ratio Lower Upper
128 100
130 32.5 12.8 52.8
64 40.9 21.2 61.2

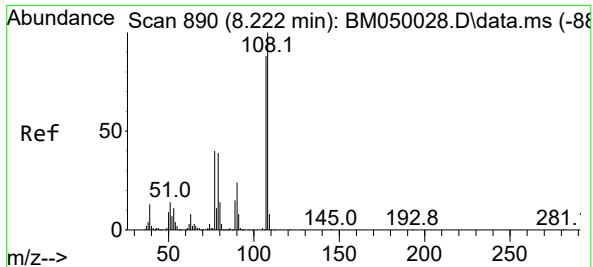
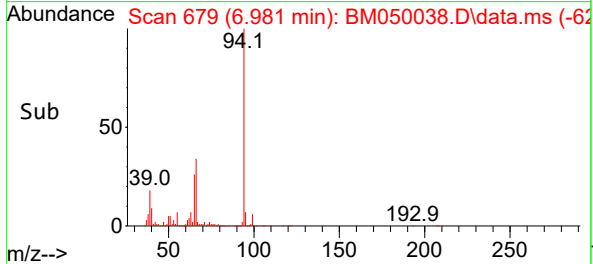
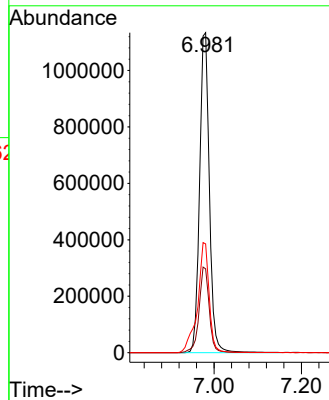
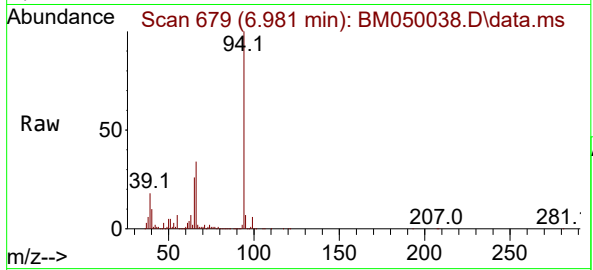




#10
Phenol
Concen: 98.975 ng
RT: 6.981 min Scan# 61
Delta R.T. -0.000 min
Lab File: BM050038.D
Acq: 29 Apr 2025 11:39

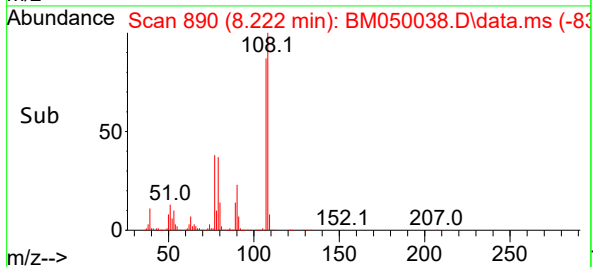
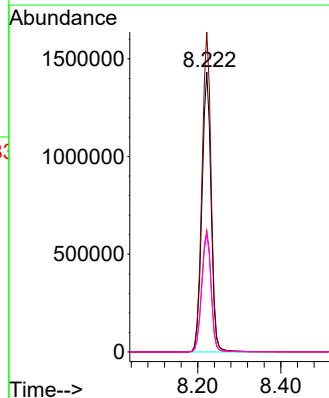
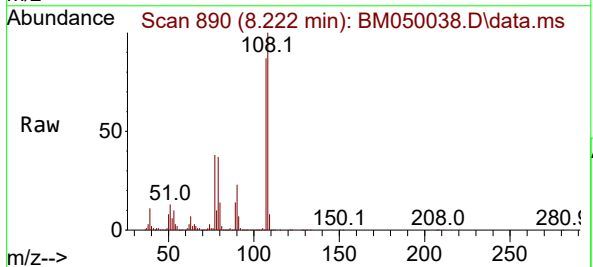
Instrument :
BNA_M
ClientSampleId :
38073-100124

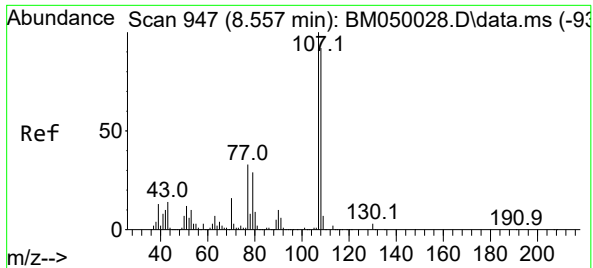
Tgt Ion: 94 Resp: 1764956
Ion Ratio Lower Upper
94 100
65 26.2 7.6 47.6
66 34.0 15.8 55.8



#17
2-Methylphenol
Concen: 185.916 ng
RT: 8.222 min Scan# 890
Delta R.T. -0.000 min
Lab File: BM050038.D
Acq: 29 Apr 2025 11:39

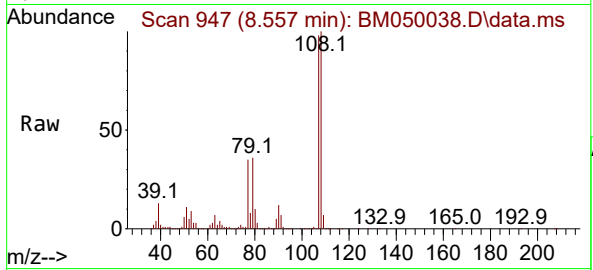
Tgt Ion: 107 Resp: 2184055
Ion Ratio Lower Upper
107 100
108 114.3 91.1 136.7
77 43.4 36.2 54.4
79 42.1 35.8 53.8





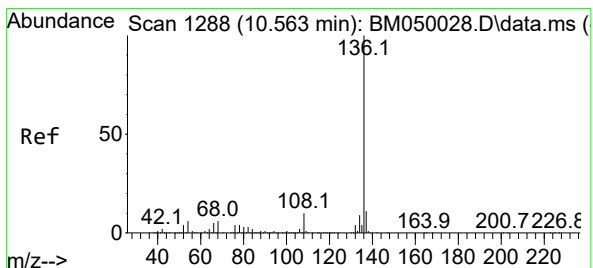
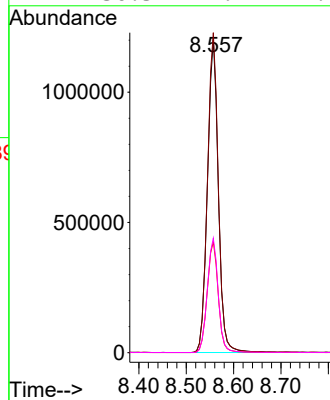
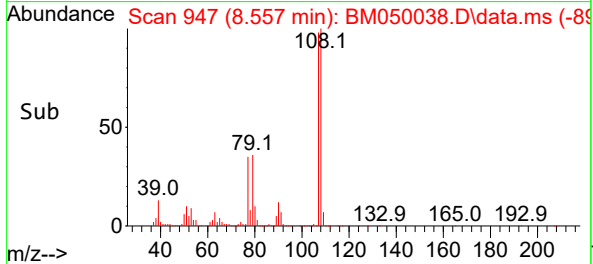
#20
3+4-Methylphenols
Concen: 121.233 ng
RT: 8.557 min Scan# 947
Delta R.T. -0.000 min
Lab File: BM050038.D
Acq: 29 Apr 2025 11:39

Instrument :
BNA_M
ClientSampleId :
38073-100124

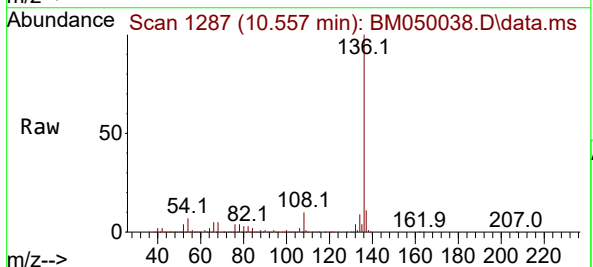


Tgt Ion:107 Resp: 1923303

Ion	Ratio	Lower	Upper
107	100		
108	102.1	72.4	112.4
77	35.4	13.6	53.6
79	36.5	9.2	49.2

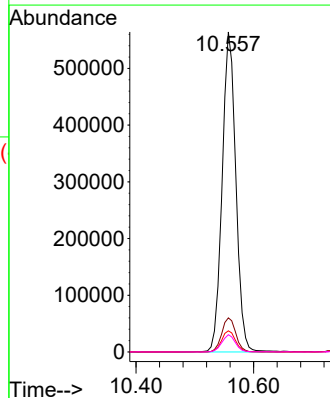
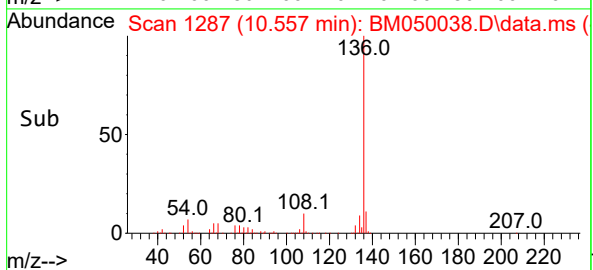


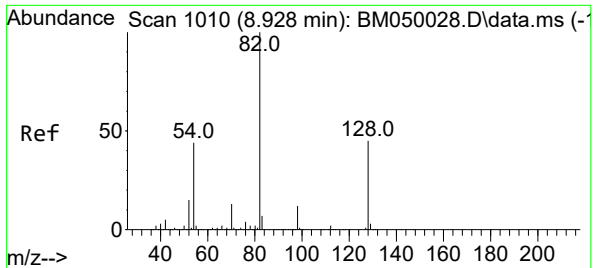
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.557 min Scan# 1287
Delta R.T. -0.006 min
Lab File: BM050038.D
Acq: 29 Apr 2025 11:39



Tgt Ion:136 Resp: 914618

Ion	Ratio	Lower	Upper
136	100		
137	10.6	8.9	13.3
54	6.6	5.1	7.7
68	5.4	4.4	6.6





#23

Nitrobenzene-d5

Concen: 83.604 ng

RT: 8.928 min Scan# 1010

Delta R.T. -0.000 min

Lab File: BM050038.D

Acq: 29 Apr 2025 11:39

Instrument :

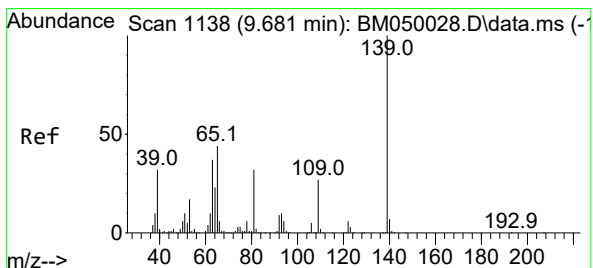
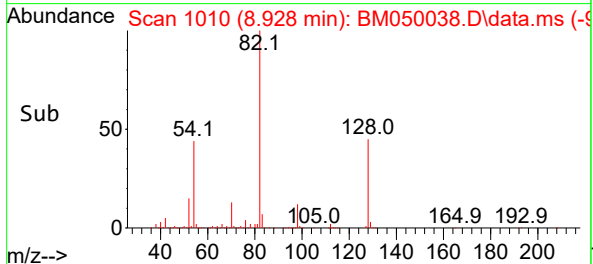
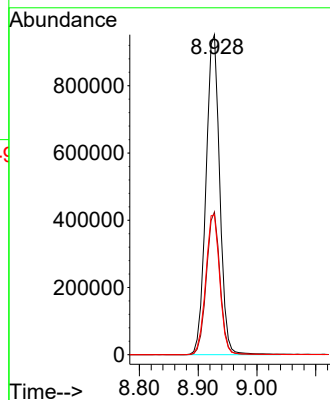
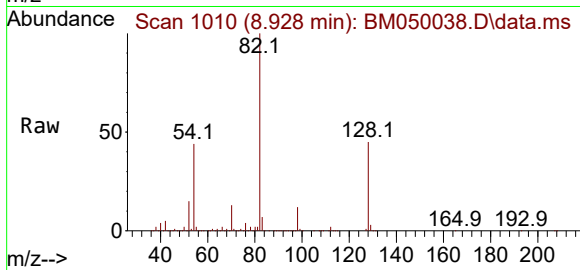
BNA_M

ClientSampleId :

38073-100124

Tgt Ion: 82 Resp: 1551763

Ion	Ratio	Lower	Upper
82	100		
128	44.6	35.7	53.5
54	43.7	35.4	53.2



#26

2-Nitrophenol

Concen: 188.661 ng

RT: 9.681 min Scan# 1138

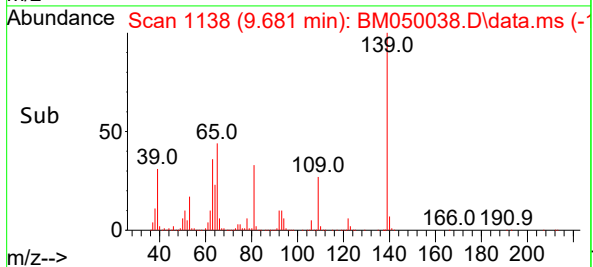
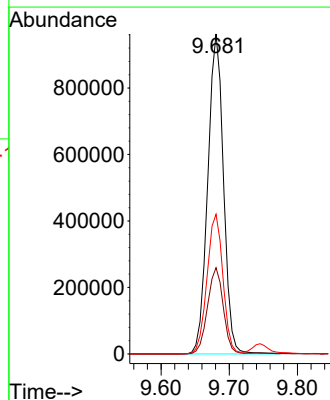
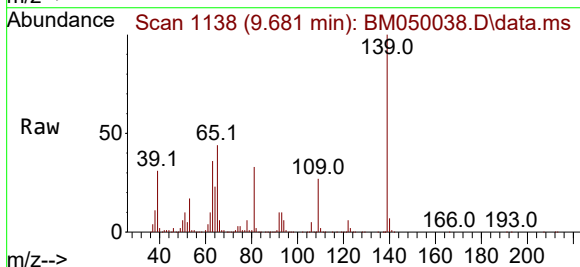
Delta R.T. -0.000 min

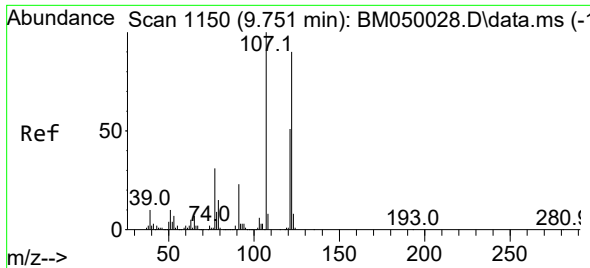
Lab File: BM050038.D

Acq: 29 Apr 2025 11:39

Tgt Ion: 139 Resp: 1546833

Ion	Ratio	Lower	Upper
139	100		
109	27.0	21.9	32.9
65	43.7	35.4	53.2

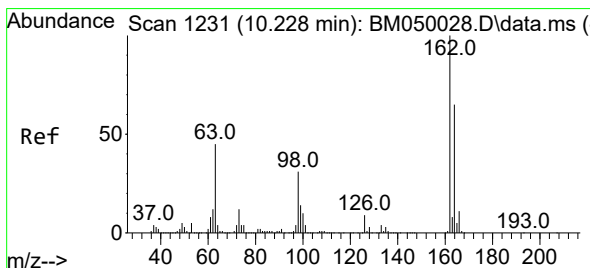
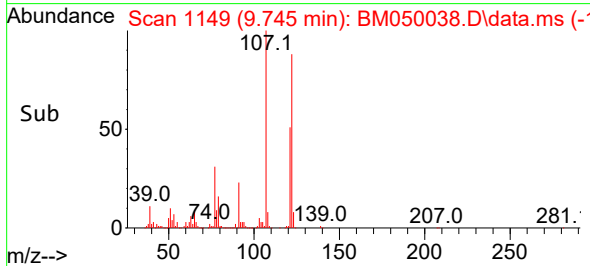
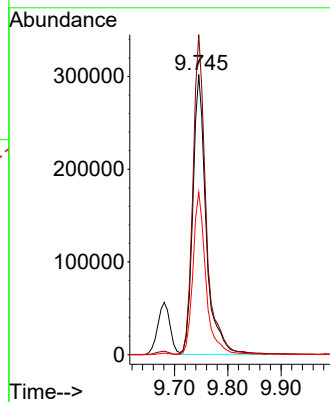
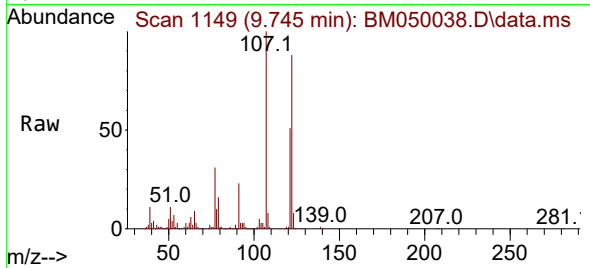




#27
2,4-Dimethylphenol
Concen: 38.592 ng
RT: 9.745 min Scan# 1149
Delta R.T. -0.006 min
Lab File: BM050038.D
Acq: 29 Apr 2025 11:39

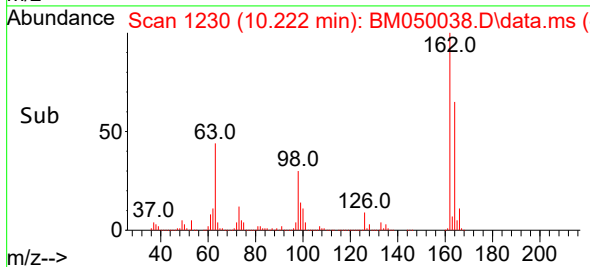
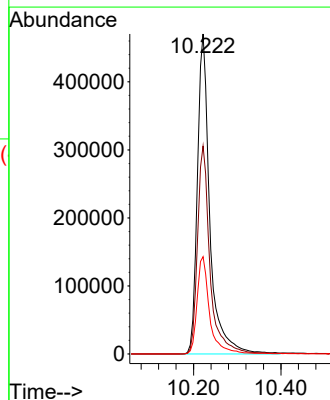
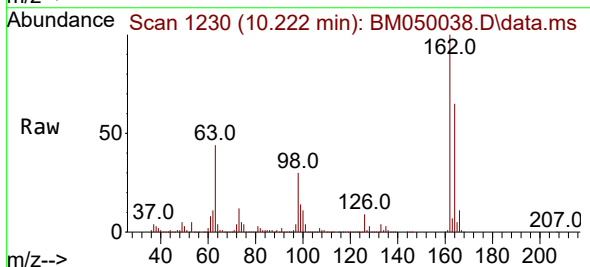
Instrument :
BNA_M
ClientSampleId :
38073-100124

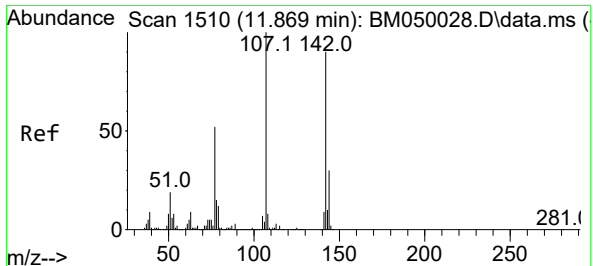
Tgt Ion:122 Resp: 524727
Ion Ratio Lower Upper
122 100
107 114.2 89.0 133.6
121 58.0 45.6 68.4



#29
2,4-Dichlorophenol
Concen: 61.308 ng
RT: 10.222 min Scan# 1230
Delta R.T. -0.006 min
Lab File: BM050038.D
Acq: 29 Apr 2025 11:39

Tgt Ion:162 Resp: 933870
Ion Ratio Lower Upper
162 100
164 65.0 45.4 85.4
98 30.4 11.3 51.3

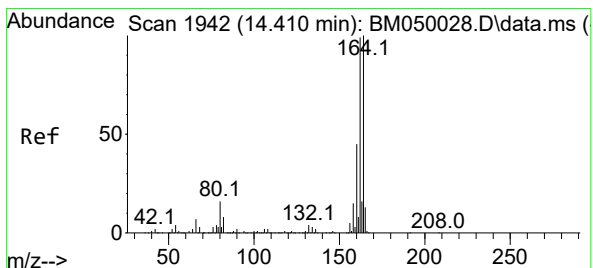
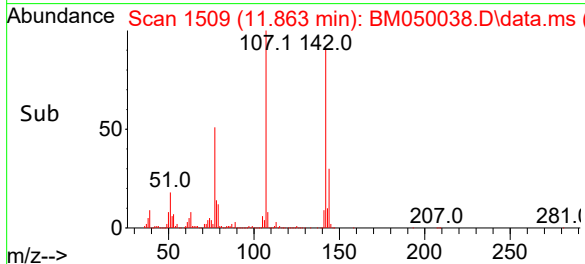
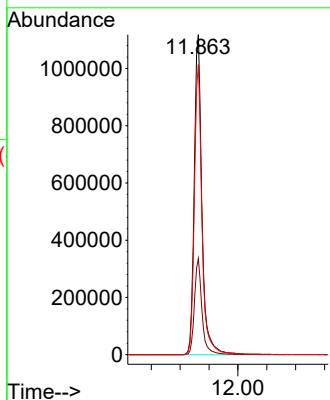
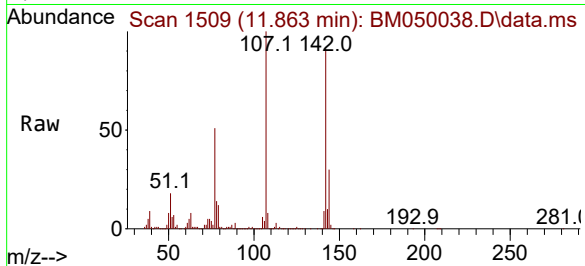




#36
4-Chloro-3-methylphenol
Concen: 147.310 ng
RT: 11.863 min Scan# 1510
Delta R.T. -0.006 min
Lab File: BM050038.D
Acq: 29 Apr 2025 11:39

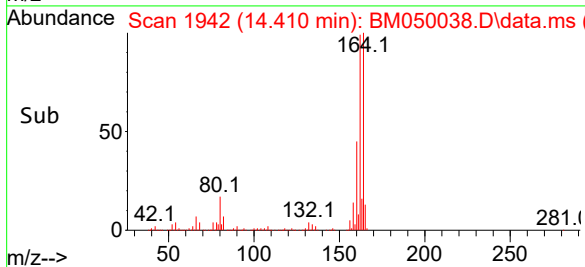
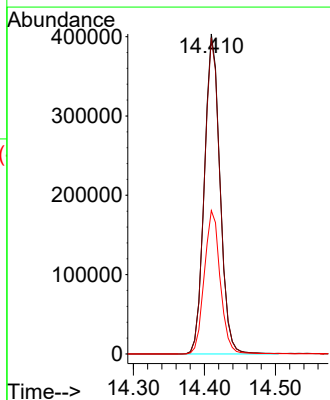
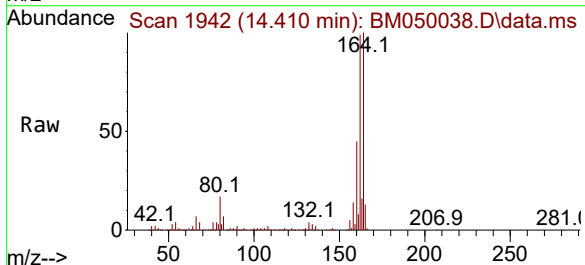
Instrument :
BNA_M
ClientSampleId :
38073-100124

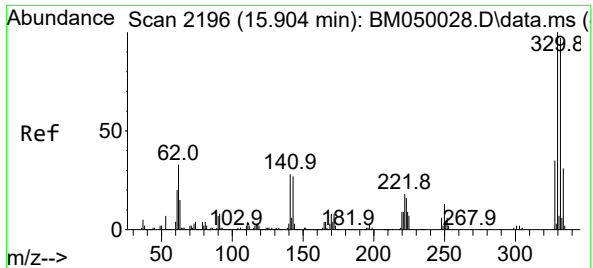
Tgt Ion:107 Resp: 2073107
Ion Ratio Lower Upper
107 100
144 30.1 23.8 35.6
142 90.7 71.9 107.9



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.410 min Scan# 1942
Delta R.T. -0.000 min
Lab File: BM050038.D
Acq: 29 Apr 2025 11:39

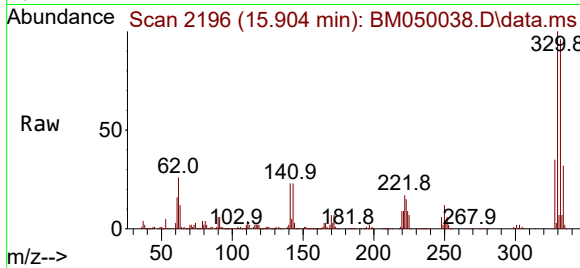
Tgt Ion:164 Resp: 618114
Ion Ratio Lower Upper
164 100
162 98.8 79.4 119.0
160 44.8 36.2 54.4



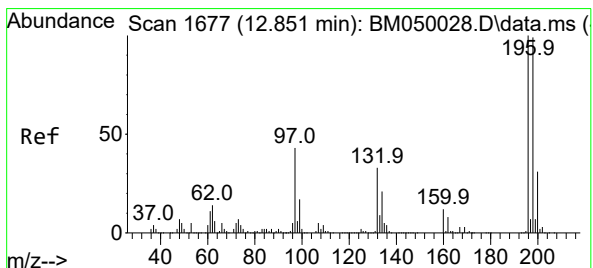
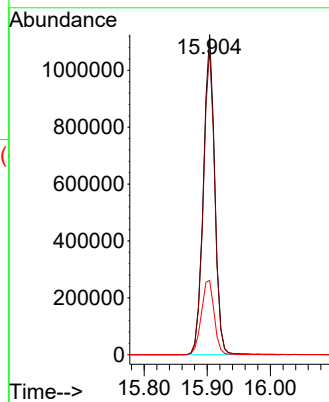
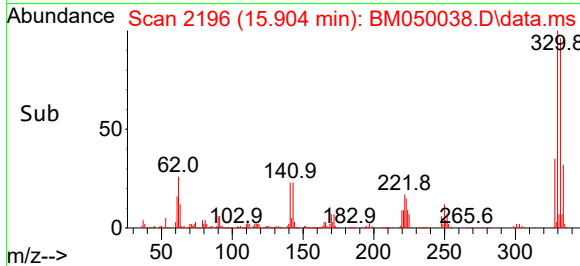


#42
2,4,6-Tribromophenol
Concen: 153.962 ng
RT: 15.904 min Scan# 2196
Delta R.T. -0.000 min
Lab File: BM050038.D
Acq: 29 Apr 2025 11:39

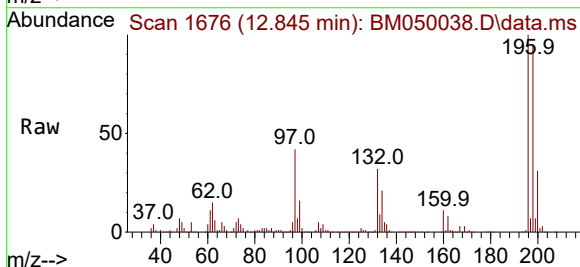
Instrument :
BNA_M
ClientSampleId :
38073-100124



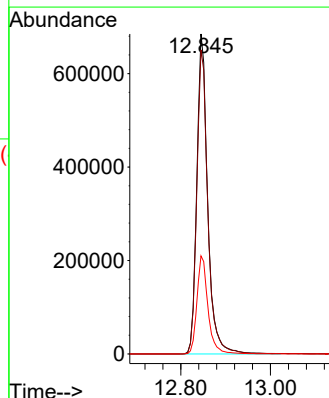
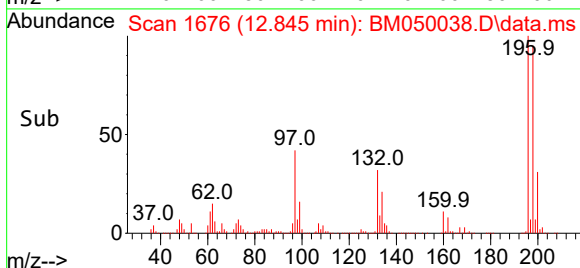
Tgt Ion:330 Resp: 1407153
Ion Ratio Lower Upper
330 100
332 96.3 77.3 115.9
141 26.3 22.5 33.7

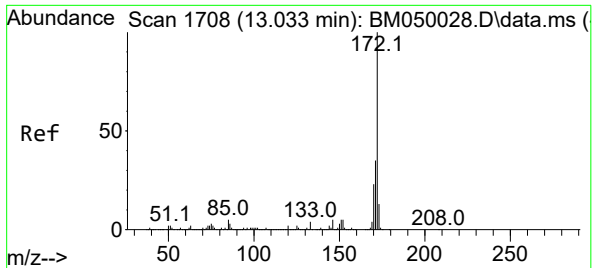


#43
2,4,6-Trichlorophenol
Concen: 84.878 ng
RT: 12.845 min Scan# 1676
Delta R.T. -0.006 min
Lab File: BM050038.D
Acq: 29 Apr 2025 11:39



Tgt Ion:196 Resp: 1151938
Ion Ratio Lower Upper
196 100
198 95.1 79.0 118.6
200 30.6 25.1 37.7

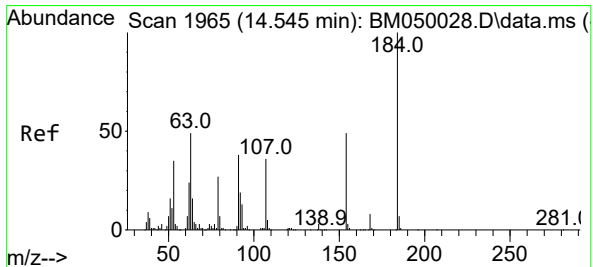
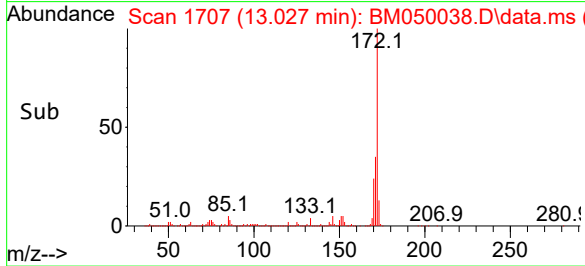
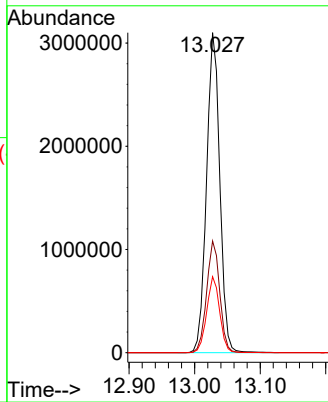
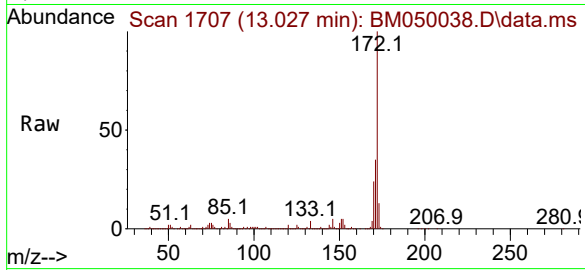




#45
2-Fluorobiphenyl
Concen: 83.509 ng
RT: 13.027 min Scan# 1707
Delta R.T. -0.006 min
Lab File: BM050038.D
Acq: 29 Apr 2025 11:39

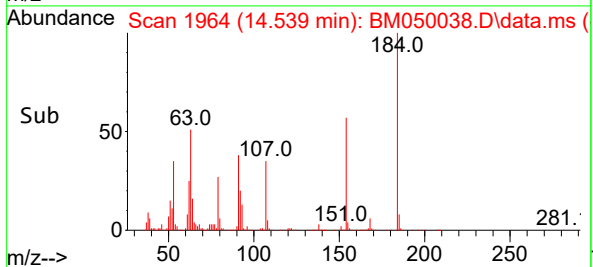
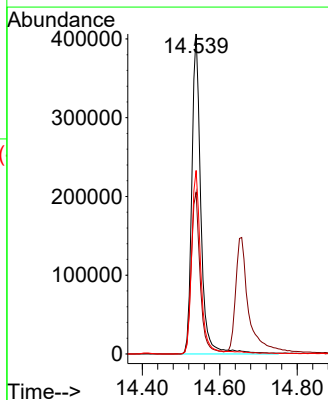
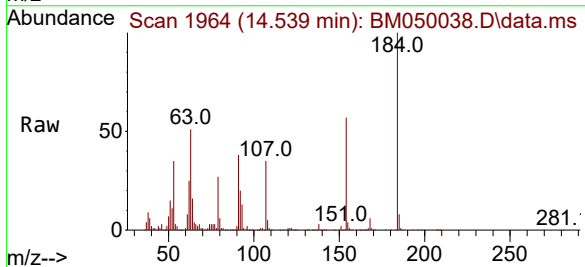
Instrument :
BNA_M
ClientSampleId :
38073-100124

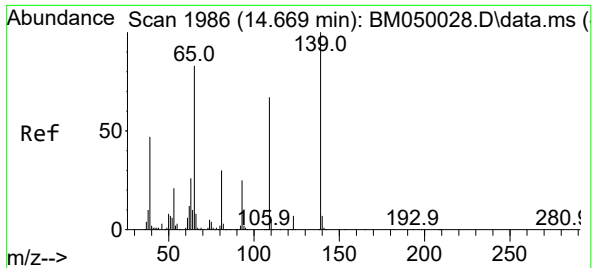
Tgt Ion:172 Resp: 4363352
Ion Ratio Lower Upper
172 100
171 34.9 27.8 41.6
170 23.7 18.6 28.0



#54
2,4-Dinitrophenol
Concen: 107.856 ng
RT: 14.539 min Scan# 1964
Delta R.T. -0.006 min
Lab File: BM050038.D
Acq: 29 Apr 2025 11:39

Tgt Ion:184 Resp: 658465
Ion Ratio Lower Upper
184 100
63 50.5 39.8 59.6
154 57.4 46.1 69.1

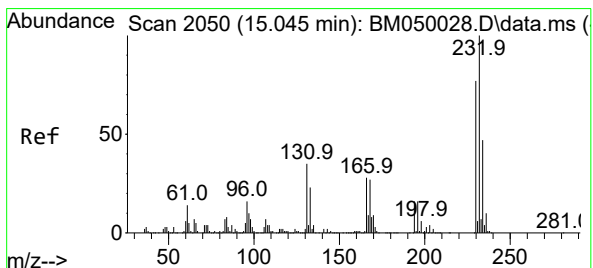
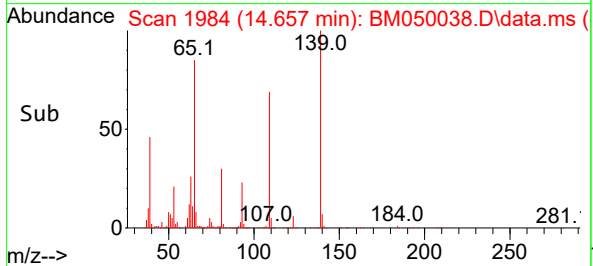
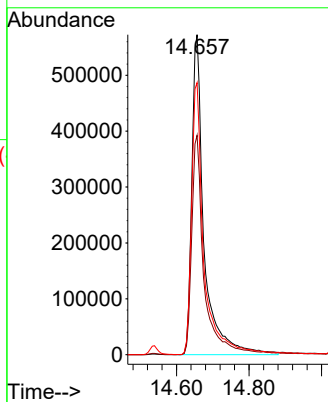
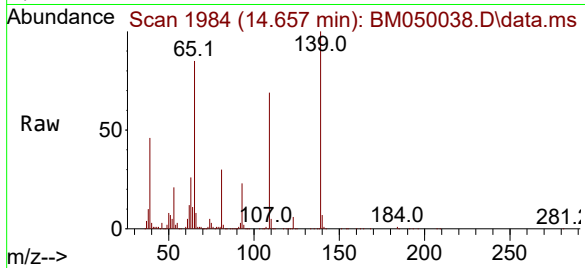




#56
4-Nitrophenol
Concen: 179.320 ng
RT: 14.657 min Scan# 1984
Delta R.T. -0.012 min
Lab File: BM050038.D
Acq: 29 Apr 2025 11:39

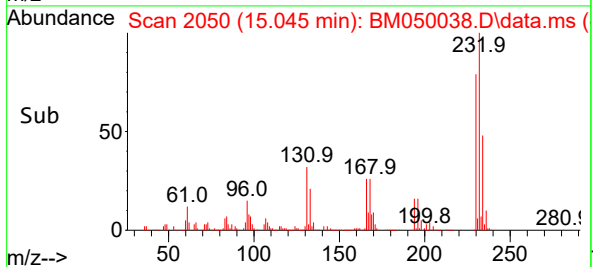
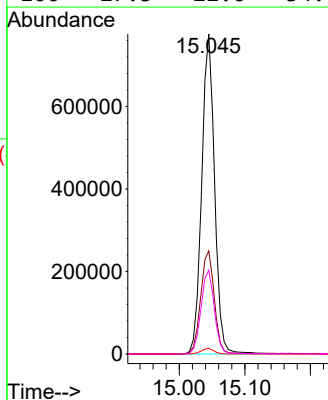
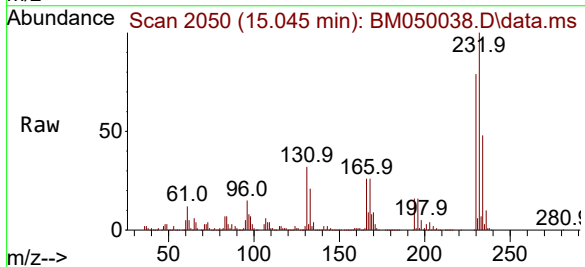
Instrument :
BNA_M
ClientSampleId :
38073-100124

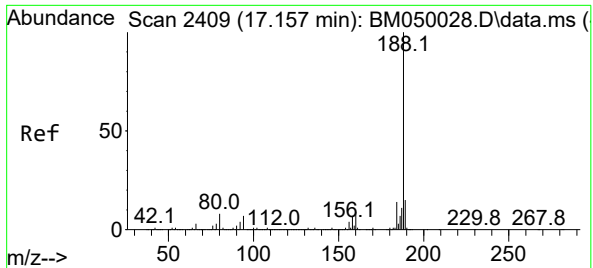
Tgt Ion:139 Resp: 1345989
Ion Ratio Lower Upper
139 100
109 68.6 47.0 87.0
65 85.0 64.3 104.3



#59
2,3,4,6-Tetrachlorophenol
Concen: 83.970 ng
RT: 15.045 min Scan# 2050
Delta R.T. -0.000 min
Lab File: BM050038.D
Acq: 29 Apr 2025 11:39

Tgt Ion:232 Resp: 1063736
Ion Ratio Lower Upper
232 100
131 34.1 28.2 42.4
130 1.7 1.5 2.3
166 27.3 22.6 34.0

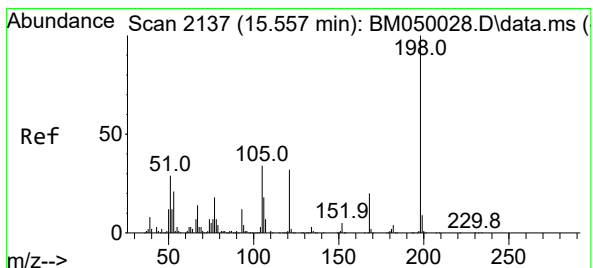
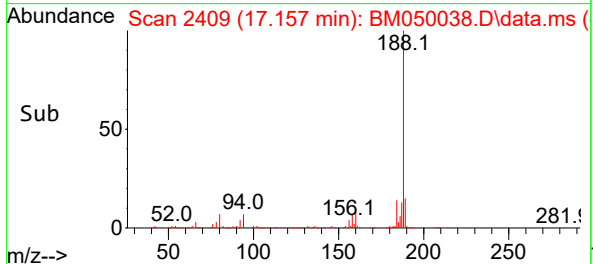
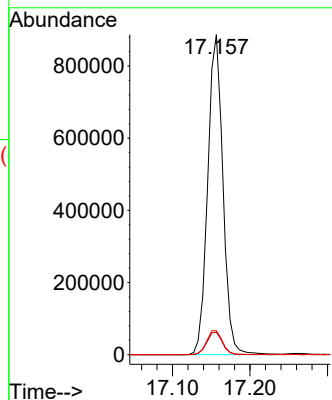
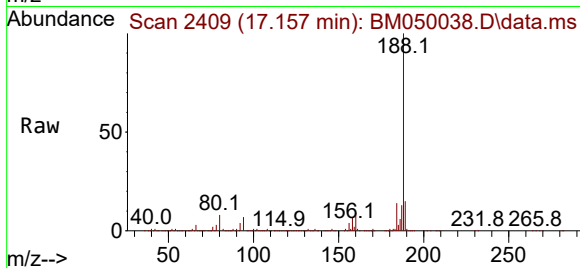




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.157 min Scan# 2409
Delta R.T. -0.000 min
Lab File: BM050038.D
Acq: 29 Apr 2025 11:39

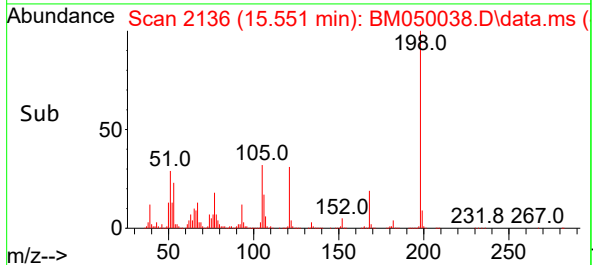
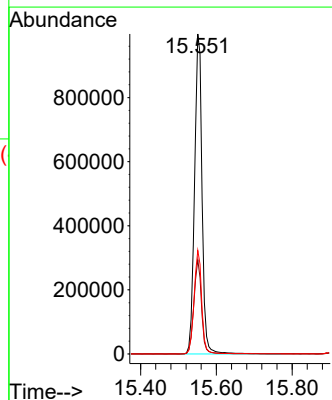
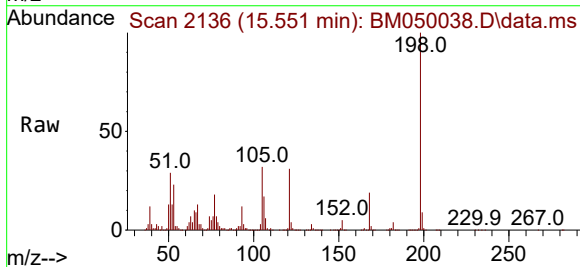
Instrument :
BNA_M
ClientSampleId :
38073-100124

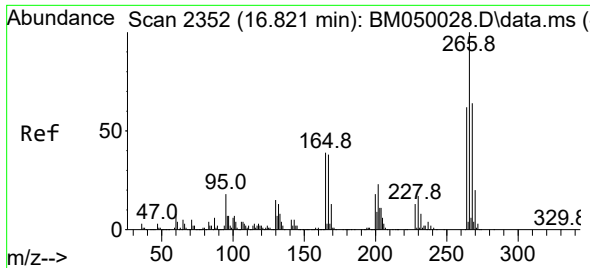
Tgt Ion:188 Resp: 1211511
Ion Ratio Lower Upper
188 100
94 7.0 5.7 8.5
80 7.5 6.2 9.4



#65
4,6-Dinitro-2-methylphenol
Concen: 182.123 ng
RT: 15.551 min Scan# 2136
Delta R.T. -0.006 min
Lab File: BM050038.D
Acq: 29 Apr 2025 11:39

Tgt Ion:198 Resp: 1381151
Ion Ratio Lower Upper
198 100
51 29.4 10.4 50.4
105 32.4 14.6 54.6

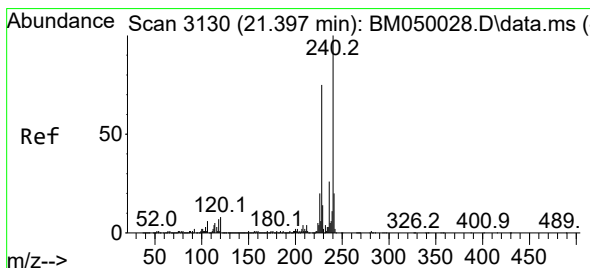
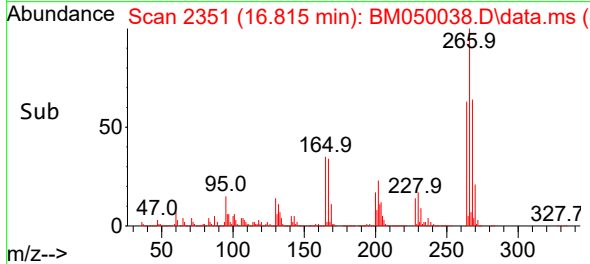
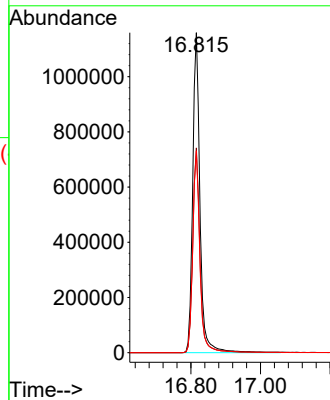
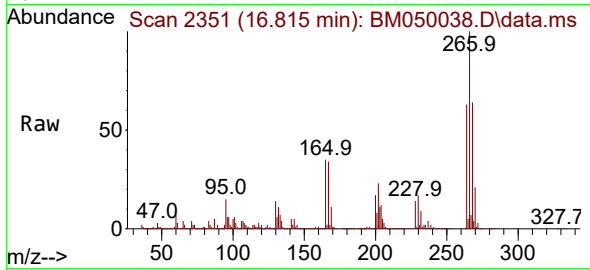




#70
Pentachlorophenol
Concen: 177.494 ng
RT: 16.815 min Scan# 21
Delta R.T. -0.006 min
Lab File: BM050038.D
Acq: 29 Apr 2025 11:39

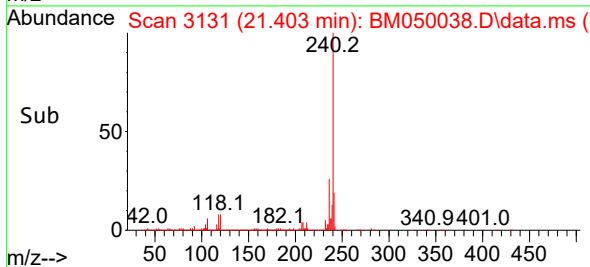
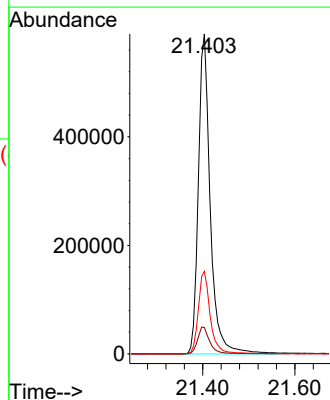
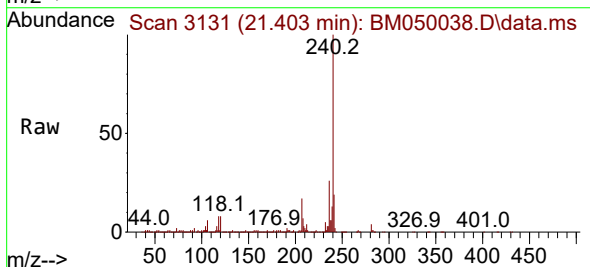
Instrument :
BNA_M
ClientSampleId :
38073-100124

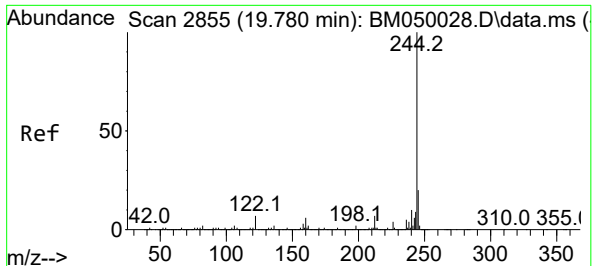
Tgt Ion:266 Resp: 1687241
Ion Ratio Lower Upper
266 100
268 64.0 51.2 76.8
264 63.1 49.6 74.4



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.403 min Scan# 3131
Delta R.T. 0.006 min
Lab File: BM050038.D
Acq: 29 Apr 2025 11:39

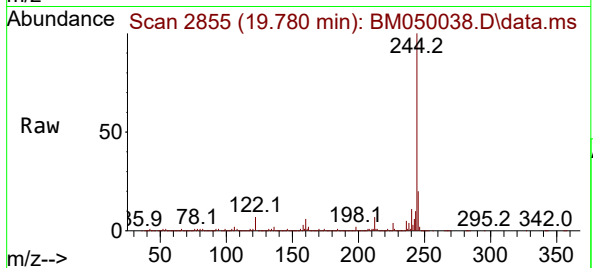
Tgt Ion:240 Resp: 1057120
Ion Ratio Lower Upper
240 100
120 8.3 6.5 9.7
236 25.8 20.9 31.3



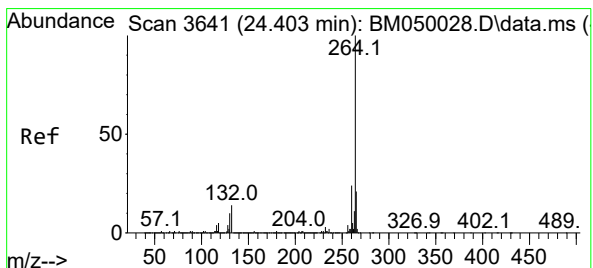
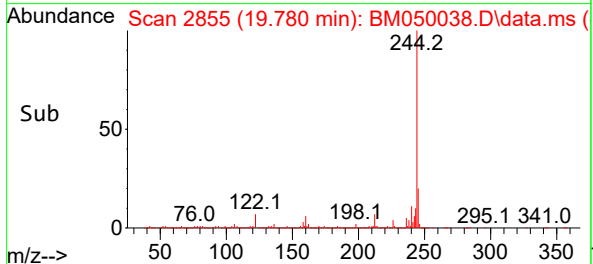
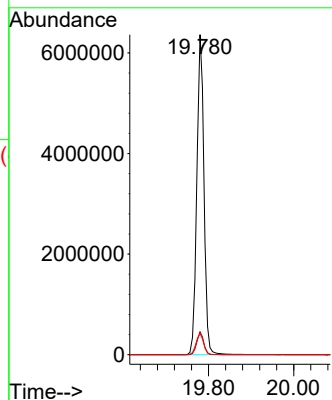


#79
Terphenyl-d14
Concen: 103.471 ng
RT: 19.780 min Scan# 2855
Delta R.T. -0.000 min
Lab File: BM050038.D
Acq: 29 Apr 2025 11:39

Instrument :
BNA_M
ClientSampleId :
38073-100124

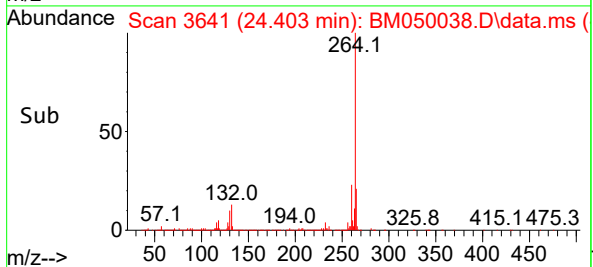
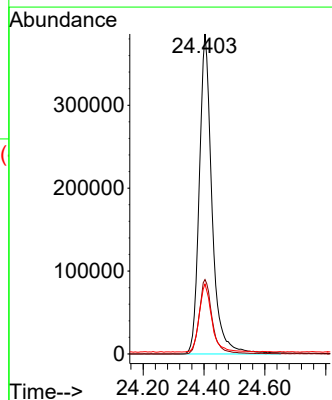
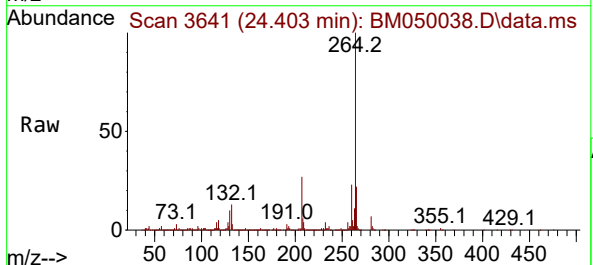


Tgt Ion:244 Resp: 7391887
Ion Ratio Lower Upper
244 100
212 7.1 5.6 8.4
122 6.7 5.6 8.4



#86
Perylene-d12
Concen: 20.000 ng
RT: 24.403 min Scan# 3641
Delta R.T. -0.000 min
Lab File: BM050038.D
Acq: 29 Apr 2025 11:39

Tgt Ion:264 Resp: 1117523
Ion Ratio Lower Upper
264 100
260 23.3 18.8 28.2
265 21.9 17.0 25.4



Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM042925\
Data File : BM050036.D
Acq On : 29 Apr 2025 09:52
Operator : RC/JU
Sample : PB167729BL
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
PB167729BL

Quant Time: Apr 29 10:40:42 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM042825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Apr 28 18:09:16 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.769	152	267473	20.000	ng	0.00
21) Naphthalene-d8	10.563	136	926574	20.000	ng	0.00
39) Acenaphthene-d10	14.410	164	611197	20.000	ng	0.00
64) Phenanthrene-d10	17.162	188	1171848	20.000	ng	0.00
76) Chrysene-d12	21.403	240	971539	20.000	ng	0.00
86) Perylene-d12	24.403	264	1012325	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.357	112	2048277	134.095	ng	0.00
7) Phenol-d6	6.951	99	2468999	128.604	ng	0.00
23) Nitrobenzene-d5	8.928	82	1461498	77.724	ng	0.00
42) 2,4,6-Tribromophenol	15.904	330	1138683	125.997	ng	0.00
45) 2-Fluorobiphenyl	13.027	172	4002903	77.477	ng	0.00
79) Terphenyl-d14	19.780	244	6115548	93.145	ng	0.00

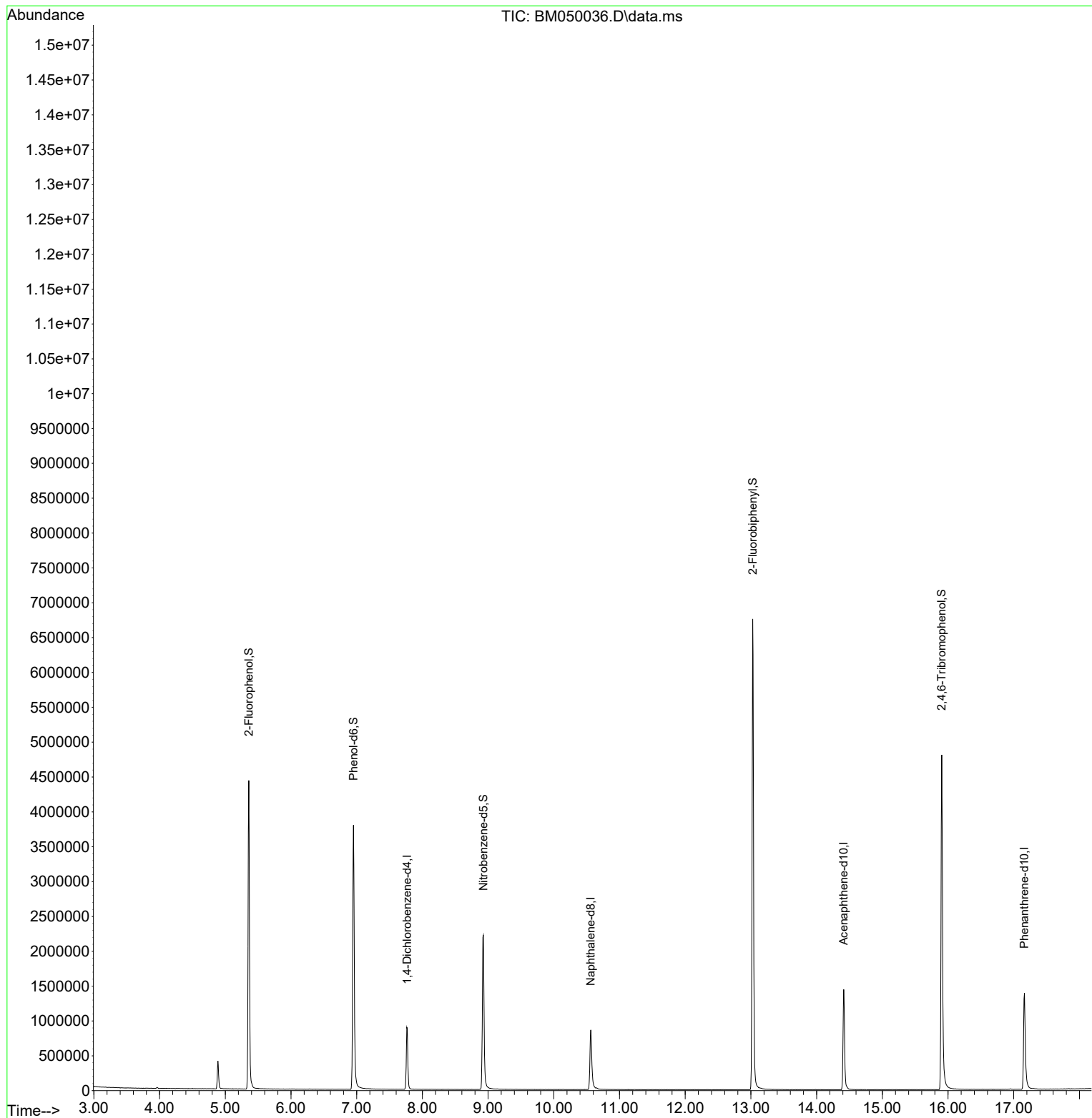
Target Compounds	Qvalue

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

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Data File : BM050036.D
Acq On : 29 Apr 2025 09:52
Operator : RC/JU
Sample : PB167729BL
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
PB167729BL

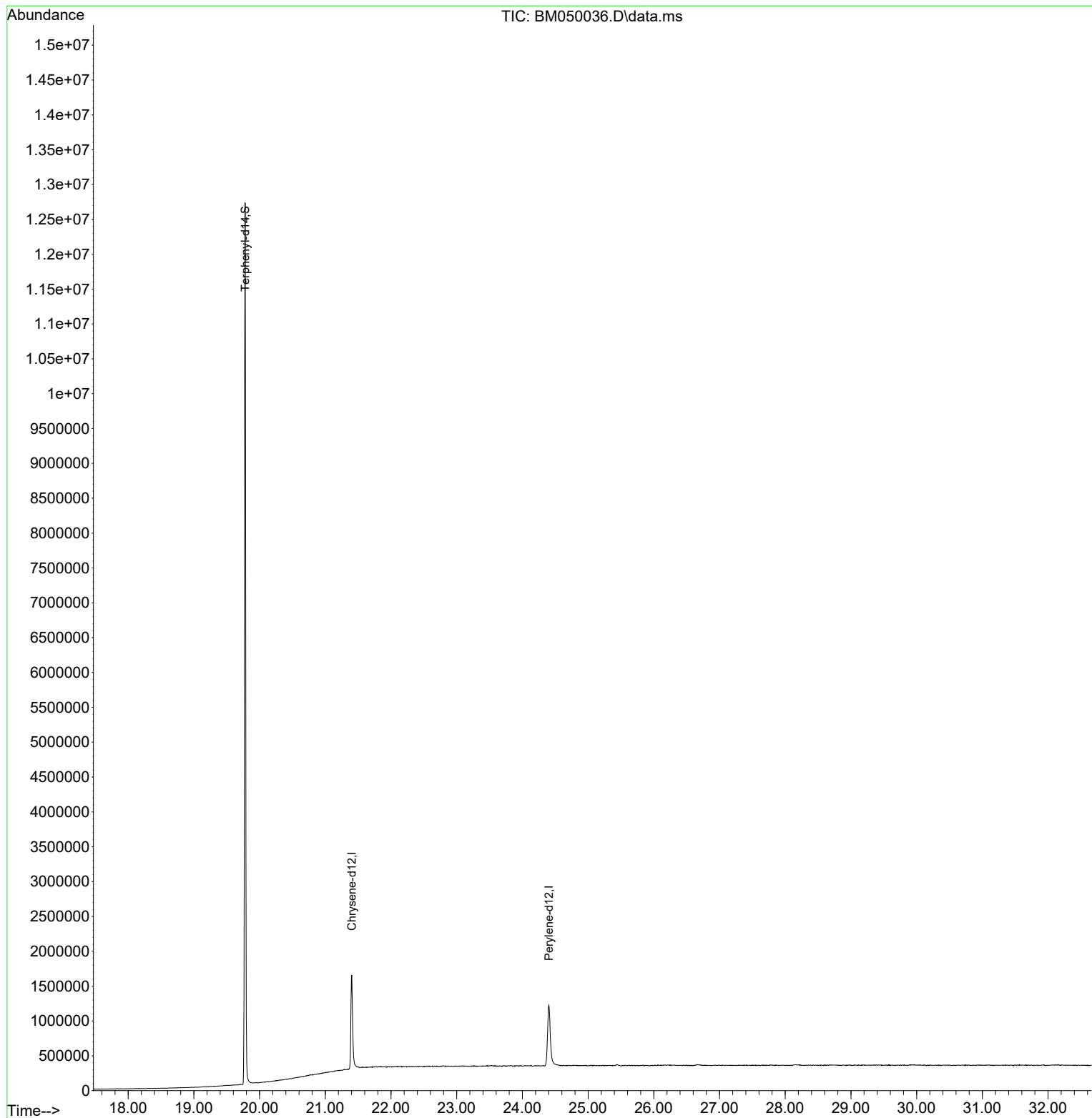
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Apr 28 18:09:16 2025
Response via : Initial Calibration

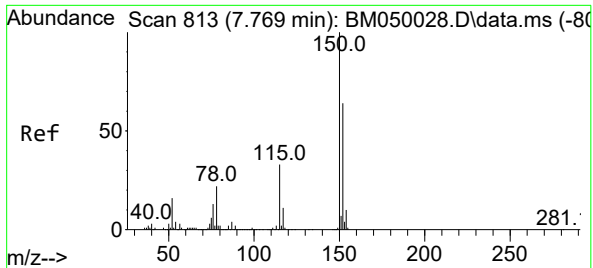


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Data File : BM050036.D
Acq On : 29 Apr 2025 09:52
Operator : RC/JU
Sample : PB167729BL
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
PB167729BL

Quant Time: Apr 29 10:40:42 2025
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Apr 28 18:09:16 2025
Response via : Initial Calibration

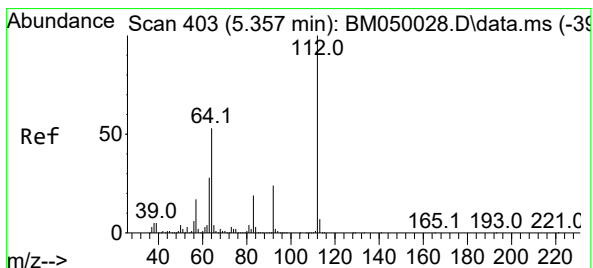
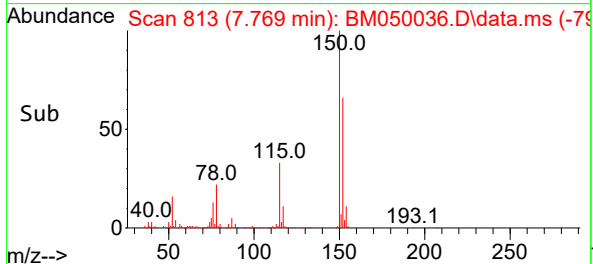
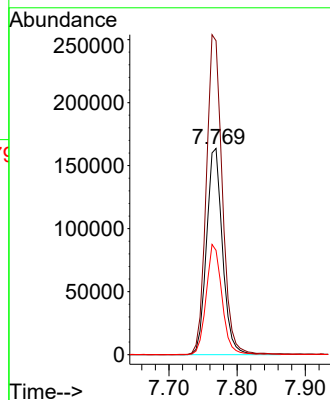
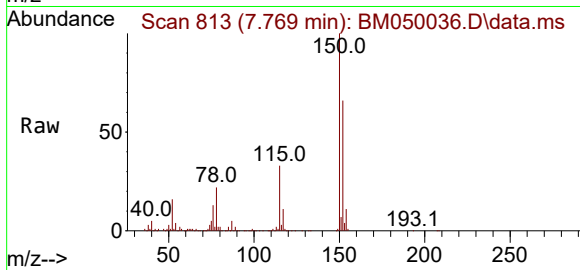




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.769 min Scan# 813
Delta R.T. -0.000 min
Lab File: BM050036.D
Acq: 29 Apr 2025 09:52

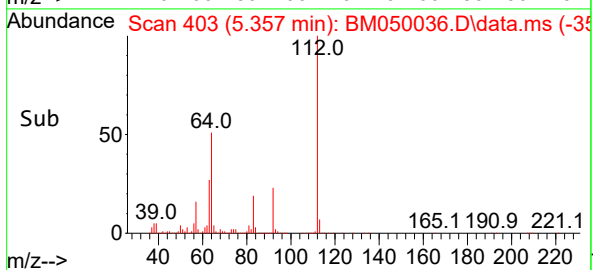
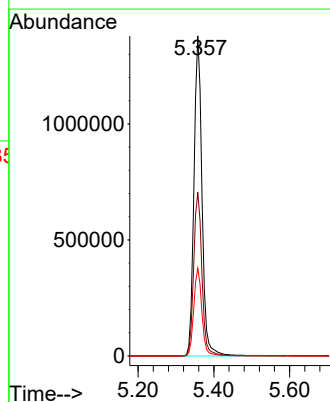
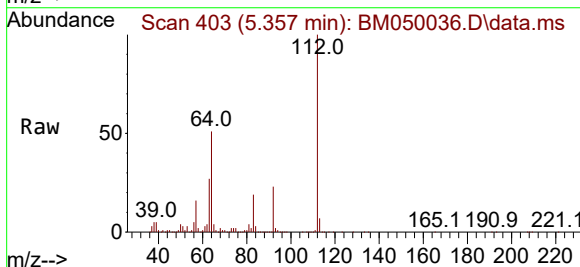
Instrument :
BNA_M
ClientSampleId :
PB167729BL

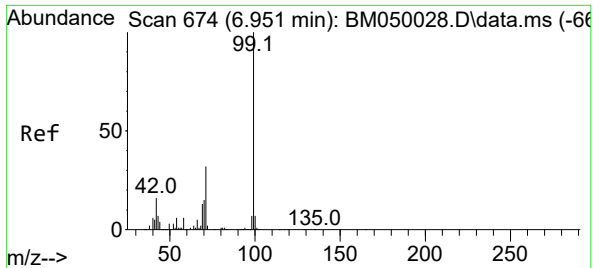
Tgt Ion:152 Resp: 267473
Ion Ratio Lower Upper
152 100
150 152.2 124.1 186.1
115 50.6 41.2 61.8



#5
2-Fluorophenol
Concen: 134.095 ng
RT: 5.357 min Scan# 403
Delta R.T. -0.000 min
Lab File: BM050036.D
Acq: 29 Apr 2025 09:52

Tgt Ion:112 Resp: 2048277
Ion Ratio Lower Upper
112 100
64 51.1 42.6 64.0
63 27.4 22.2 33.4

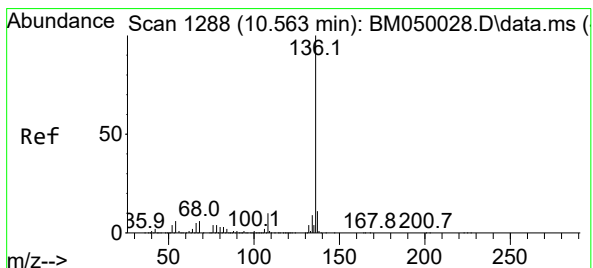
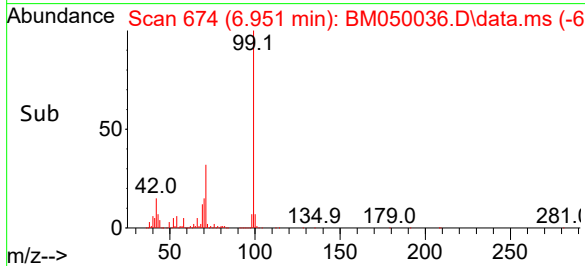
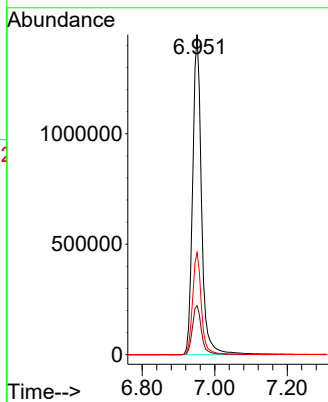
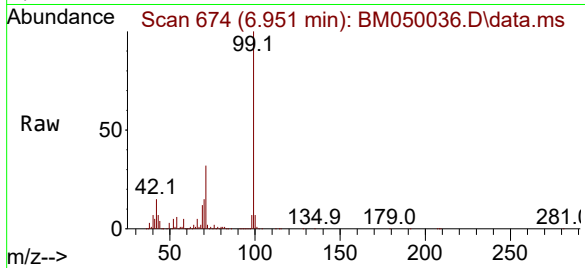




#7
Phenol-d6
Concen: 128.604 ng
RT: 6.951 min Scan# 61
Delta R.T. -0.000 min
Lab File: BM050036.D
Acq: 29 Apr 2025 09:52

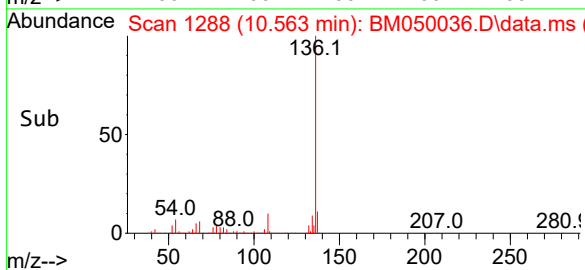
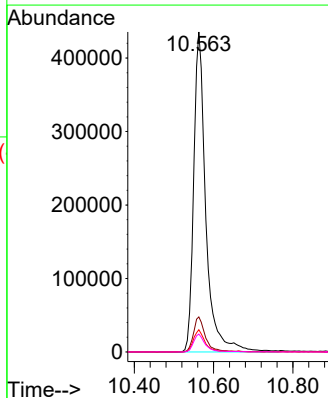
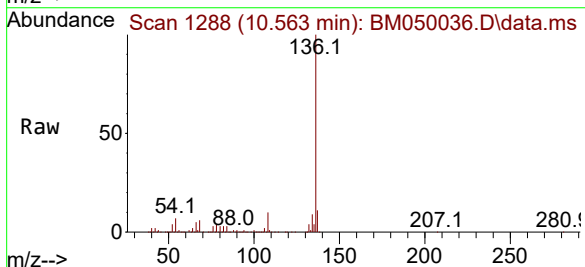
Instrument :
BNA_M
ClientSampleId :
PB167729BL

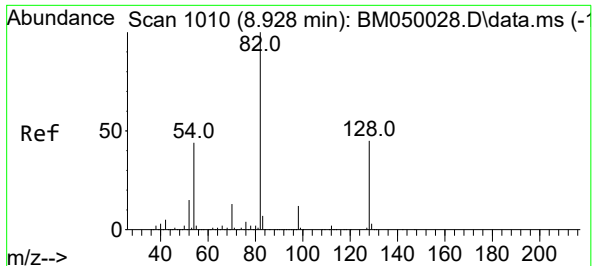
Tgt Ion: 99 Resp: 2468999
Ion Ratio Lower Upper
99 100
42 15.3 13.0 19.4
71 31.9 25.6 38.4



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.563 min Scan# 1288
Delta R.T. -0.000 min
Lab File: BM050036.D
Acq: 29 Apr 2025 09:52

Tgt Ion: 136 Resp: 926574
Ion Ratio Lower Upper
136 100
137 10.9 8.9 13.3
54 6.9 5.1 7.7
68 5.6 4.4 6.6





#23

Nitrobenzene-d5

Concen: 77.724 ng

RT: 8.928 min Scan# 1010

Delta R.T. -0.000 min

Lab File: BM050036.D

Acq: 29 Apr 2025 09:52

Instrument :

BNA_M

ClientSampleId :

PB167729BL

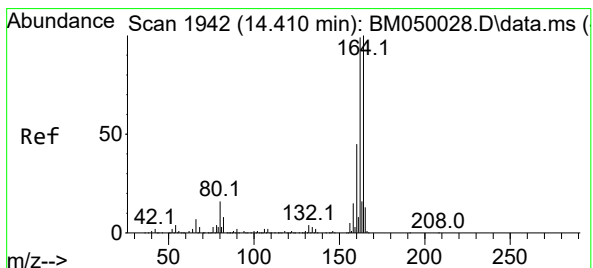
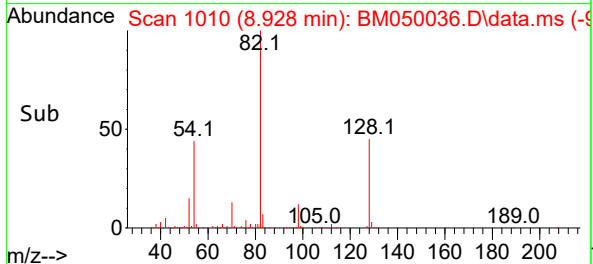
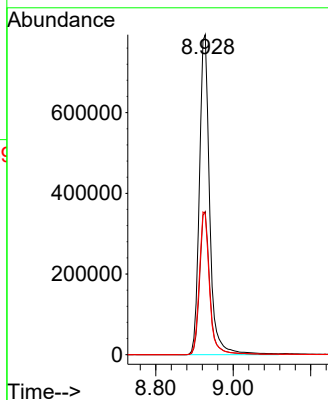
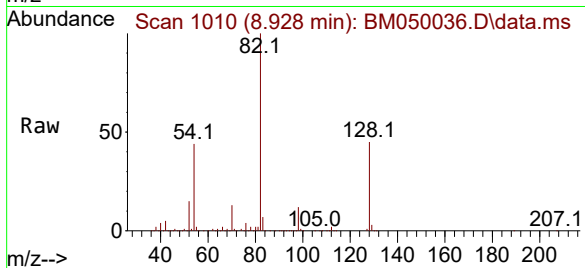
Tgt Ion: 82 Resp: 1461498

Ion Ratio Lower Upper

82 100

128 44.7 35.7 53.5

54 43.9 35.4 53.2



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.410 min Scan# 1942

Delta R.T. -0.000 min

Lab File: BM050036.D

Acq: 29 Apr 2025 09:52

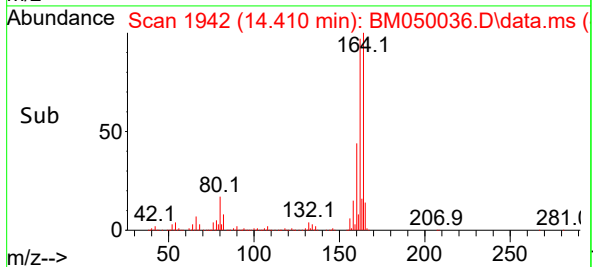
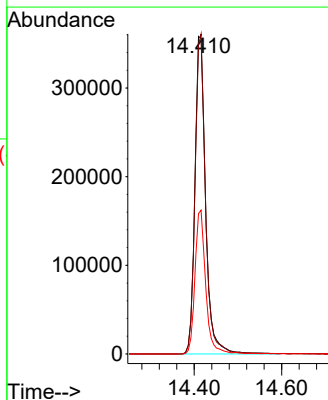
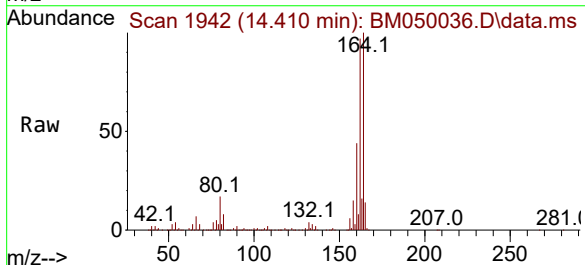
Tgt Ion: 164 Resp: 611197

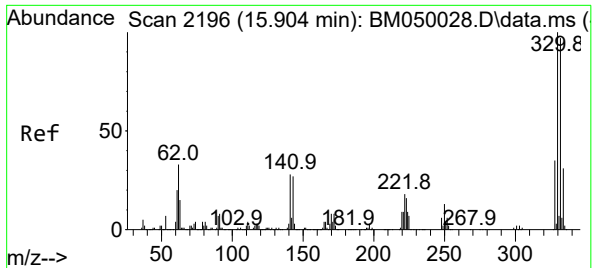
Ion Ratio Lower Upper

164 100

162 97.2 79.4 119.0

160 44.2 36.2 54.4

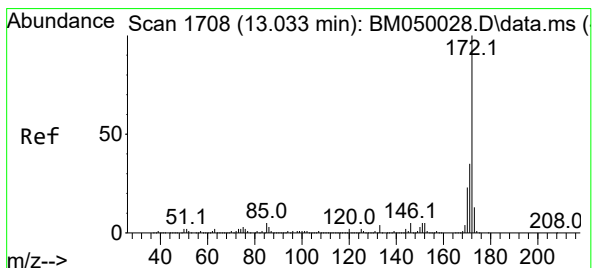
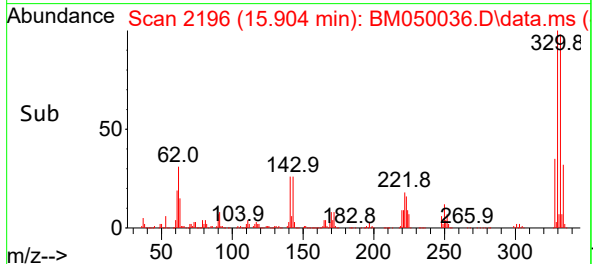
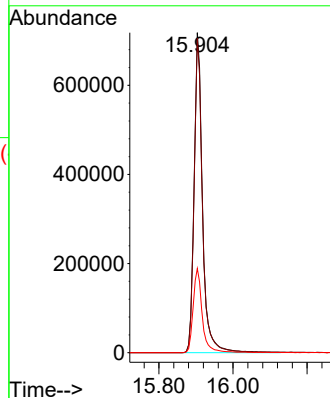
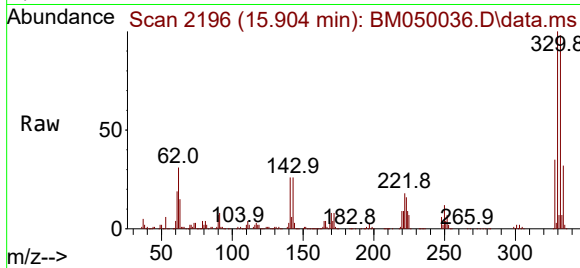




#42
2,4,6-Tribromophenol
Concen: 125.997 ng
RT: 15.904 min Scan# 2196
Delta R.T. -0.000 min
Lab File: BM050036.D
Acq: 29 Apr 2025 09:52

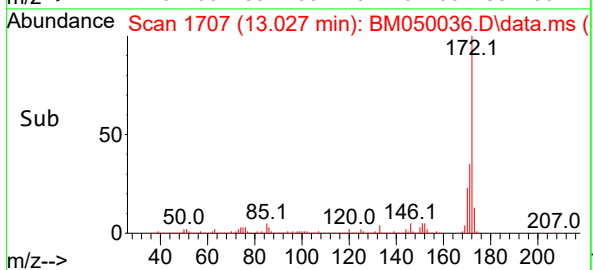
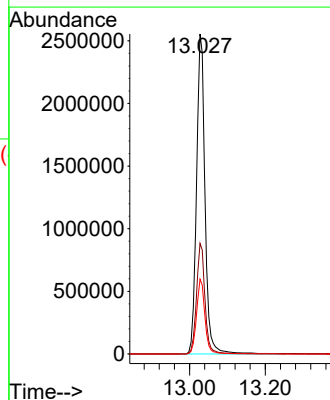
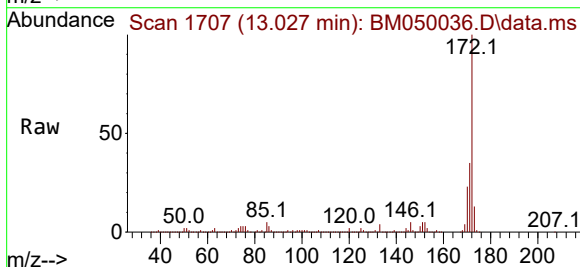
Instrument :
BNA_M
ClientSampleId :
PB167729BL

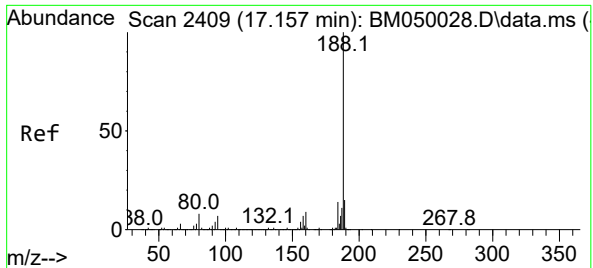
Tgt Ion:330 Resp: 1138683
Ion Ratio Lower Upper
330 100
332 97.1 77.3 115.9
141 28.3 22.5 33.7



#45
2-Fluorobiphenyl
Concen: 77.477 ng
RT: 13.027 min Scan# 1707
Delta R.T. -0.006 min
Lab File: BM050036.D
Acq: 29 Apr 2025 09:52

Tgt Ion:172 Resp: 4002903
Ion Ratio Lower Upper
172 100
171 34.5 27.8 41.6
170 23.4 18.6 28.0

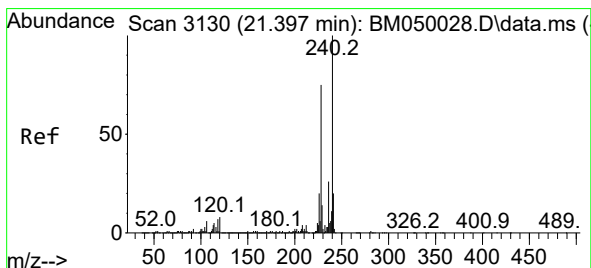
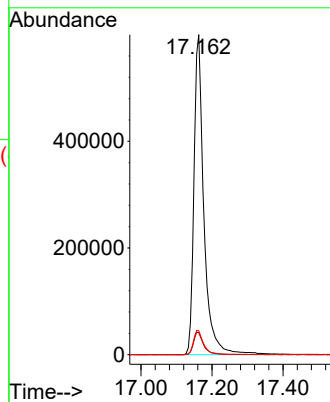
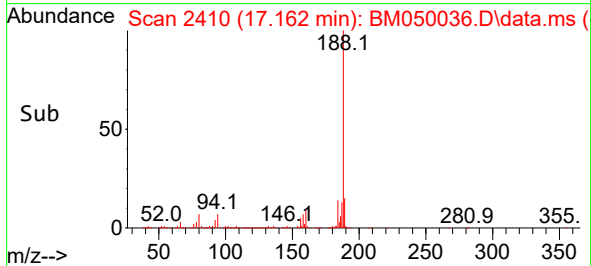
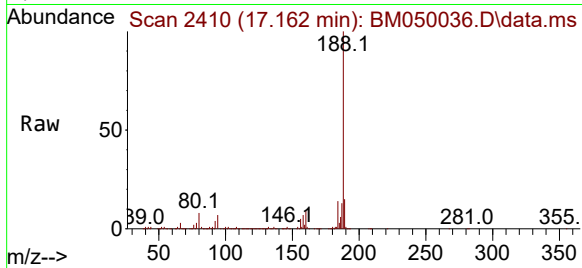




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.162 min Scan# 2409
Delta R.T. 0.005 min
Lab File: BM050036.D
Acq: 29 Apr 2025 09:52

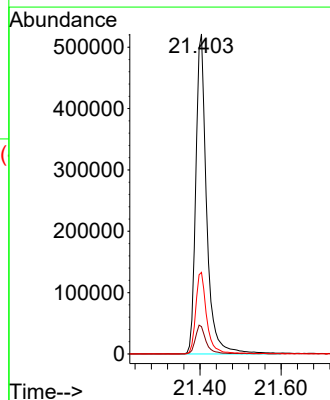
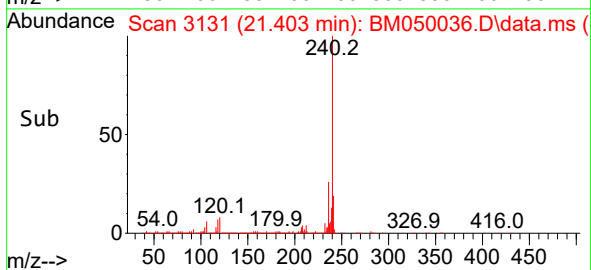
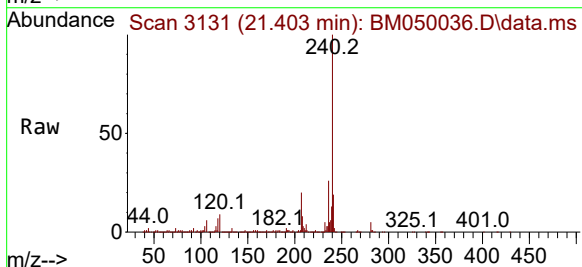
Instrument :
BNA_M
ClientSampleId :
PB167729BL

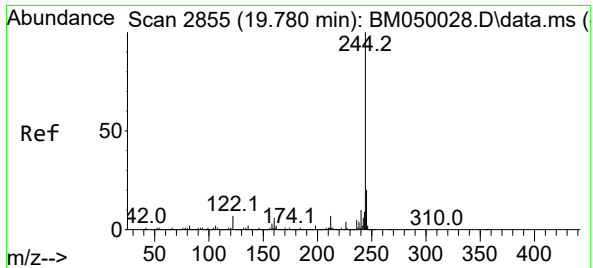
Tgt Ion:188 Resp: 1171848
Ion Ratio Lower Upper
188 100
94 6.8 5.7 8.5
80 7.5 6.2 9.4



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.403 min Scan# 3131
Delta R.T. 0.006 min
Lab File: BM050036.D
Acq: 29 Apr 2025 09:52

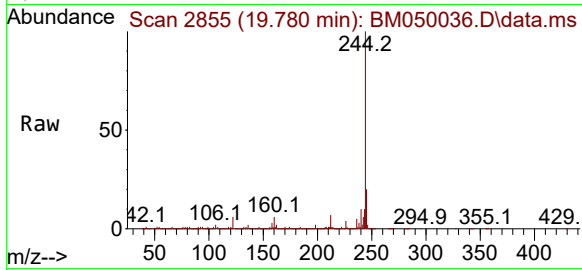
Tgt Ion:240 Resp: 971539
Ion Ratio Lower Upper
240 100
120 8.5 6.5 9.7
236 25.5 20.9 31.3



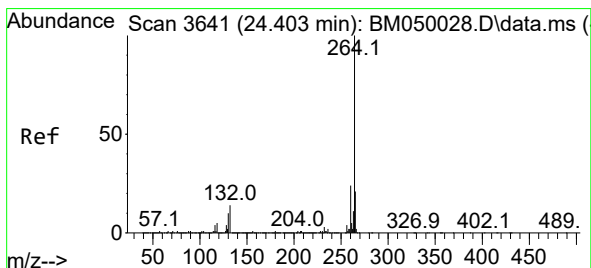
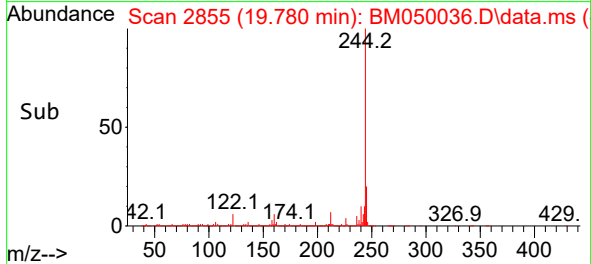
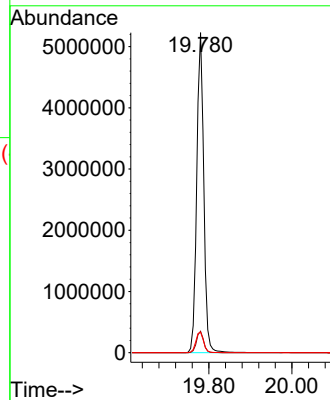


#79
 Terphenyl-d14
 Concen: 93.145 ng
 RT: 19.780 min Scan# 2855
 Delta R.T. -0.000 min
 Lab File: BM050036.D
 Acq: 29 Apr 2025 09:52

Instrument :
 BNA_M
 ClientSampleId :
 PB167729BL

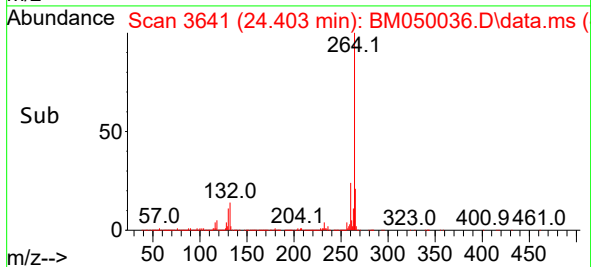
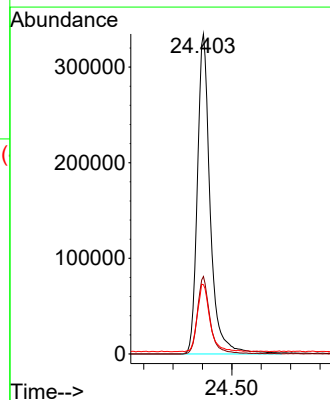
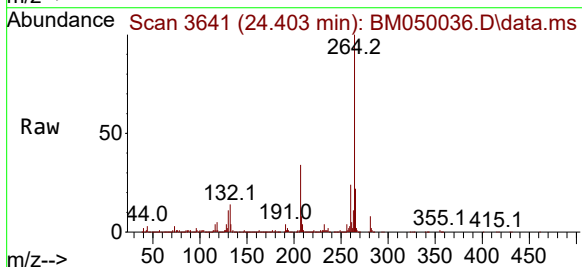


Tgt Ion:244 Resp: 6115548
 Ion Ratio Lower Upper
 244 100
 212 6.7 5.6 8.4
 122 6.4 5.6 8.4



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 24.403 min Scan# 3641
 Delta R.T. -0.000 min
 Lab File: BM050036.D
 Acq: 29 Apr 2025 09:52

Tgt Ion:264 Resp: 1012325
 Ion Ratio Lower Upper
 264 100
 260 24.2 18.8 28.2
 265 21.7 17.0 25.4



Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM042925\
 Data File : BM050040.D
 Acq On : 29 Apr 2025 12:58
 Operator : RC/JU
 Sample : PB167729BS
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 PB167729BS

Quant Time: Apr 29 13:33:48 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM042825.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Apr 28 18:09:16 2025
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.763	152	269893	20.000	ng	0.00
21) Naphthalene-d8	10.557	136	961152	20.000	ng	0.00
39) Acenaphthene-d10	14.410	164	608153	20.000	ng	0.00
64) Phenanthrene-d10	17.156	188	1141685	20.000	ng	0.00
76) Chrysene-d12	21.397	240	1074284	20.000	ng	0.00
86) Perylene-d12	24.397	264	1054033	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.357	112	2054378	133.289	ng	0.00
7) Phenol-d6	6.951	99	2536788	130.950	ng	0.00
23) Nitrobenzene-d5	8.928	82	1466426	75.181	ng	0.00
42) 2,4,6-Tribromophenol	15.904	330	1195862	132.987	ng	0.00
45) 2-Fluorobiphenyl	13.027	172	3957723	76.986	ng	0.00
79) Terphenyl-d14	19.780	244	6028843	83.043	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	3.251	88	222621	33.686	ng	99
3) Pyridine	3.651	79	622472	36.660	ng	97
4) n-Nitrosodimethylamine	3.563	42	268473	40.314	ng	99
6) Aniline	7.098	93	587160	24.003	ng	99
8) 2-Chlorophenol	7.339	128	712440	42.751	ng	99
9) Benzaldehyde	6.910	77	325538	25.111	ng	100
10) Phenol	6.975	94	873613	44.547	ng	99
11) bis(2-Chloroethyl)ether	7.192	93	664141	40.556	ng	100
12) 1,3-Dichlorobenzene	7.657	146	799721	39.727	ng	99
13) 1,4-Dichlorobenzene	7.798	146	809360	40.021	ng	99
14) 1,2-Dichlorobenzene	8.116	146	781982	40.029	ng	99
15) Benzyl Alcohol	8.010	79	568432	42.311	ng	98
16) 2,2'-oxybis(1-Chloropr...	8.286	45	805029	40.442	ng	99
17) 2-Methylphenol	8.222	107	557394	43.144	ng	99
18) Hexachloroethane	8.839	117	286959	39.916	ng	97
19) n-Nitroso-di-n-propyla...	8.575	70	498325	40.108	ng	100
20) 3+4-Methylphenols	8.551	107	746935	42.812	ng	96
22) Acetophenone	8.586	105	980431	41.029	ng	# 98
24) Nitrobenzene	8.969	77	707532	41.951	ng	98
25) Isophorone	9.492	82	1319623	39.689	ng	98
26) 2-Nitrophenol	9.680	139	367607	42.665	ng	99
27) 2,4-Dimethylphenol	9.745	122	621972	43.529	ng	98
28) bis(2-Chloroethoxy)met...	9.969	93	846555	41.194	ng	100
29) 2,4-Dichlorophenol	10.227	162	709498	44.323	ng	100
30) 1,2,4-Trichlorobenzene	10.422	180	792629	40.642	ng	100
31) Naphthalene	10.610	128	1999582	41.080	ng	99
32) Benzoic acid	9.916	122	386427	42.285	ng	99
33) 4-Chloroaniline	10.733	127	268271	13.446	ng	98
34) Hexachlorobutadiene	10.892	225	502242	40.569	ng	100
35) Caprolactam	11.521	113	182413	39.083	ng	92
36) 4-Chloro-3-methylphenol	11.869	107	624003	42.193	ng	100
37) 2-Methylnaphthalene	12.221	142	1320802	40.473	ng	99
38) 1-Methylnaphthalene	12.445	142	1387555	40.177	ng	99
40) 1,2,4,5-Tetrachloroben...	12.598	216	916829	43.549	ng	99
41) Hexachlorocyclopentadiene	12.574	237	1281695	99.621	ng	100
43) 2,4,6-Trichlorophenol	12.845	196	598998	44.859	ng	97

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM042925\
 Data File : BM050040.D
 Acq On : 29 Apr 2025 12:58
 Operator : RC/JU
 Sample : PB167729BS
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 PB167729BS

Quant Time: Apr 29 13:33:48 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM042825.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Apr 28 18:09:16 2025
 Response via : Initial Calibration

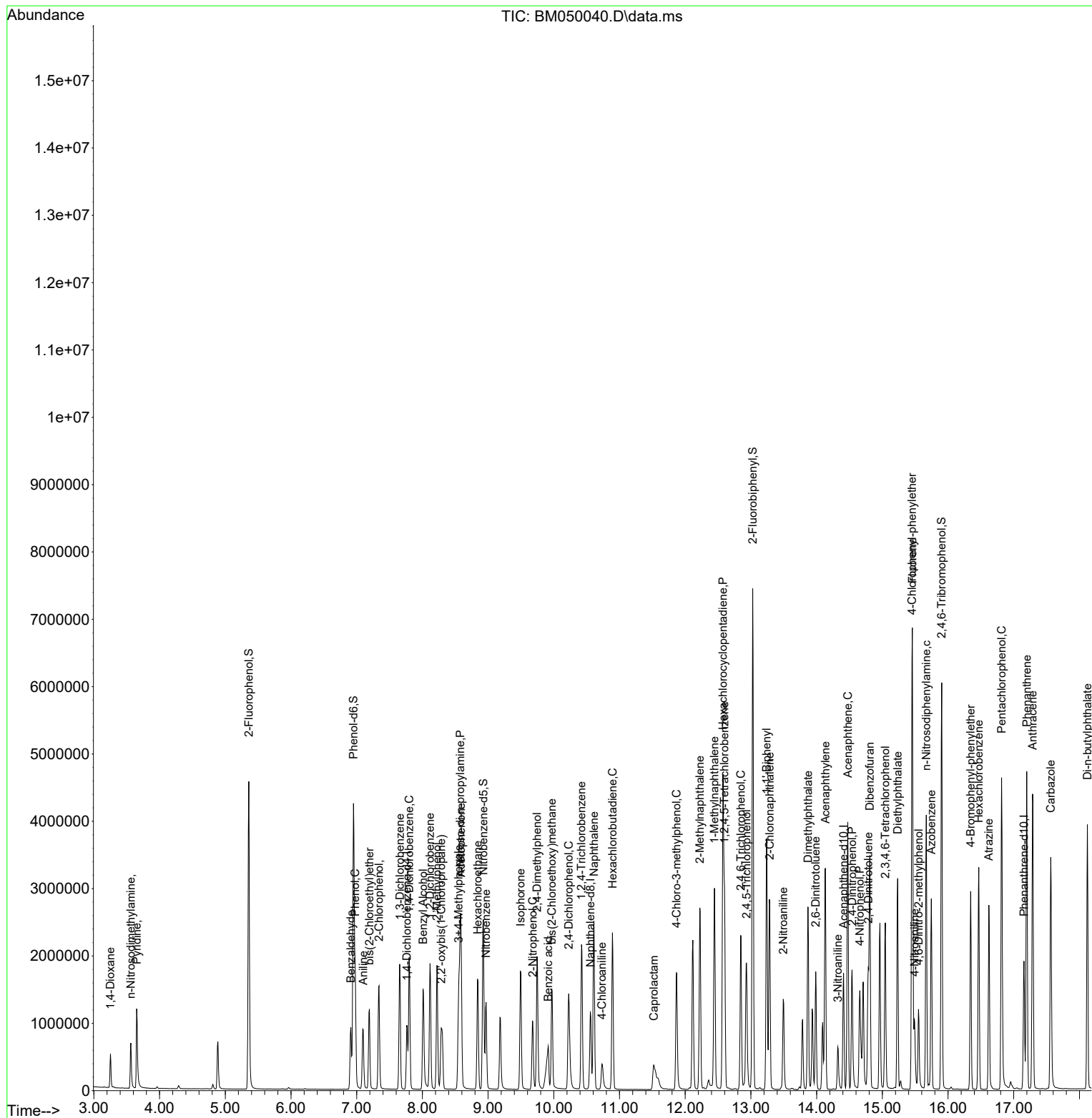
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	12.933	196	639370	44.403	ng	100
46) 1,1'-Biphenyl	13.239	154	1938887	42.889	ng	99
47) 2-Chloronaphthalene	13.286	162	1526561	42.637	ng	99
48) 2-Nitroaniline	13.492	65	365838	43.535	ng	96
49) Acenaphthylene	14.133	152	2392982	42.390	ng	100
50) Dimethylphthalate	13.868	163	1850111	41.627	ng	100
51) 2,6-Dinitrotoluene	13.986	165	395898	43.023	ng	96
52) Acenaphthene	14.474	154	1386169	42.421	ng	100
53) 3-Nitroaniline	14.321	138	188101	21.411	ng	100
54) 2,4-Dinitrophenol	14.539	184	500295	84.598	ng	98
55) Dibenzofuran	14.810	168	2269999	41.754	ng	100
56) 4-Nitrophenol	14.657	139	606531	84.586	ng	98
57) 2,4-Dinitrotoluene	14.786	165	548846	43.164	ng	98
58) Fluorene	15.457	166	1912078	42.968	ng	99
59) 2,3,4,6-Tetrachlorophenol	15.045	232	536088	43.011	ng	99
60) Diethylphthalate	15.233	149	1717203	41.004	ng	100
61) 4-Chlorophenyl-phenyle...	15.451	204	1058040	43.287	ng	99
62) 4-Nitroaniline	15.492	138	346266	40.852	ng	100
63) Azobenzene	15.745	77	1488108	42.399	ng	99
65) 4,6-Dinitro-2-methylph...	15.551	198	319286	44.677	ng	97
66) n-Nitrosodiphenylamine	15.668	169	1567999	44.726	ng	100
67) 4-Bromophenyl-phenylether	16.345	248	604278	43.769	ng	98
68) Hexachlorobenzene	16.468	284	697068	43.801	ng	97
69) Atrazine	16.621	200	544460	43.054	ng	99
70) Pentachlorophenol	16.815	266	902632	100.762	ng	98
71) Phenanthrene	17.198	178	2807497	43.600	ng	99
72) Anthracene	17.286	178	2880577	44.205	ng	99
73) Carbazole	17.562	167	2435722	43.075	ng	100
74) Di-n-butylphthalate	18.121	149	2832214	42.058	ng	100
75) Fluoranthene	19.215	202	3226174	42.674	ng	100
77) Benzidine	19.409	184	1094565	28.684	ng	100
78) Pyrene	19.580	202	3318333	43.987	ng	100
80) Butylbenzylphthalate	20.474	149	1200717	42.496	ng	94
81) Benzo(a)anthracene	21.380	228	3270859	44.214	ng	99
82) 3,3'-Dichlorobenzidine	21.303	252	582534	20.570	ng	99
83) Chrysene	21.444	228	2987144	43.628	ng	100
84) Bis(2-ethylhexyl)phtha...	21.297	149	1812796	42.954	ng	99
85) Di-n-octyl phthalate	22.427	149	2993996	43.017	ng	100
87) Indeno(1,2,3-cd)pyrene	27.791	276	3671724	46.751	ng	100
88) Benzo(b)fluoranthene	23.450	252	3051800	44.521	ng	99
89) Benzo(k)fluoranthene	23.515	252	3072007	44.305	ng	100
90) Benzo(a)pyrene	24.256	252	2860922	44.562	ng	99
91) Dibenzo(a,h)anthracene	27.832	278	3013923	47.076	ng	99
92) Benzo(g,h,i)perylene	28.844	276	2852758	46.543	ng	99

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

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM042925\
Data File : BM050040.D
Acq On : 29 Apr 2025 12:58
Operator : RC/JU
Sample : PB167729BS
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
PB167729BS

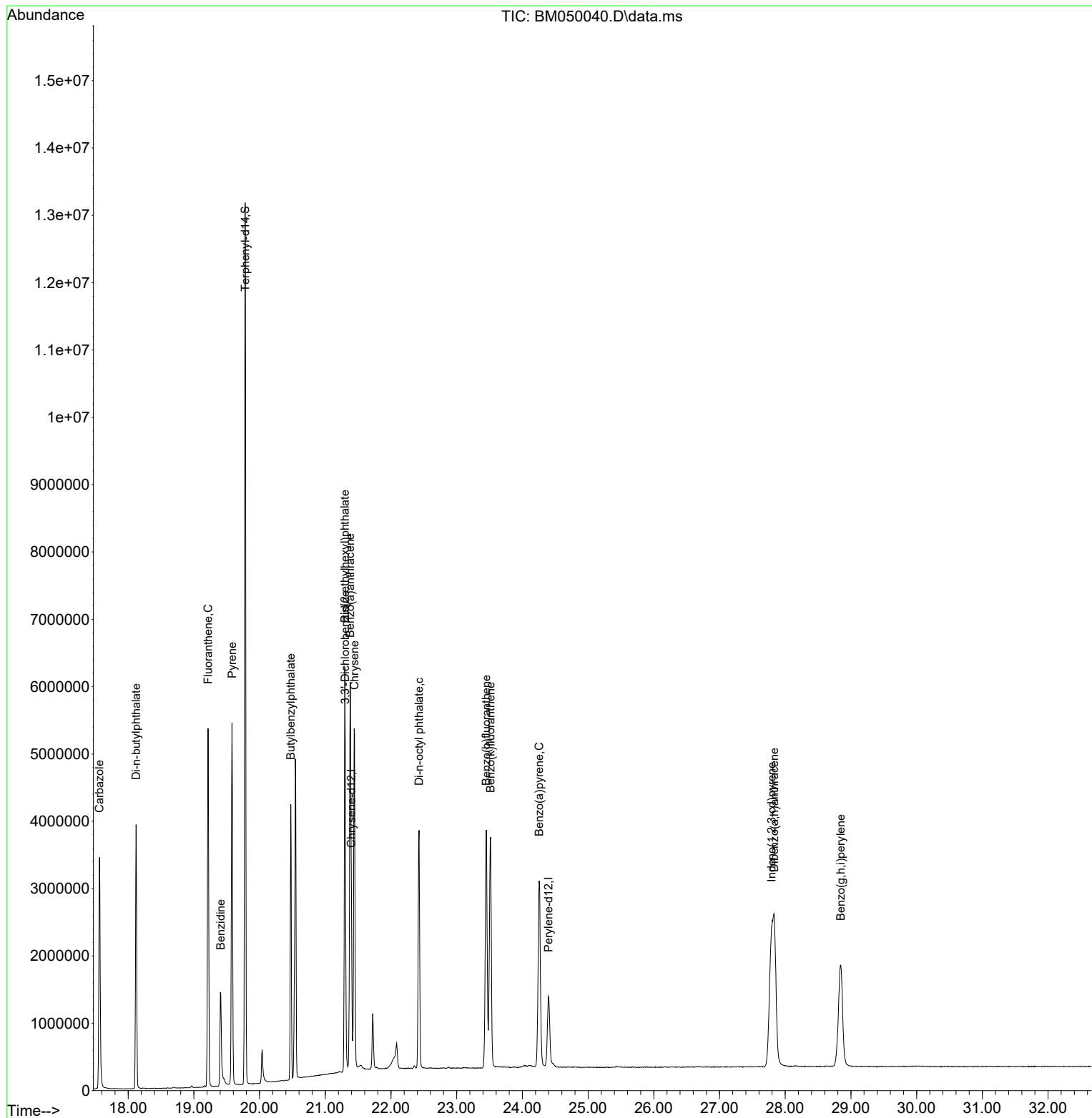
Quant Time: Apr 29 13:33:48 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM042825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Apr 28 18:09:16 2025
Response via : Initial Calibration



Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM042925\
Data File : BM050040.D
Acq On : 29 Apr 2025 12:58
Operator : RC/JU
Sample : PB167729BS
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
PB167729BS

Quant Time: Apr 29 13:33:48 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM042825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Apr 28 18:09:16 2025
Response via : Initial Calibration



Manual Integration Report

Sequence:	BM042825	Instrument	BNA_m
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Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
SSTDICC005	BM050025.D	4-Nitroaniline	Rahul	4/29/2025 8:55:04 AM	Jagrut	4/29/2025 11:57:10 AM	Peak Integrated by Software
SSTDICC005	BM050025.D	Benzaldehyde	Rahul	4/29/2025 8:55:04 AM	Jagrut	4/29/2025 11:57:10 AM	Peak Integrated by Software
SSTDICC005	BM050025.D	Benzo(k)fluoranthene	Rahul	4/29/2025 8:55:04 AM	Jagrut	4/29/2025 11:57:10 AM	Peak Integrated by Software
SSTDICC005	BM050025.D	Caprolactam	Rahul	4/29/2025 8:55:04 AM	Jagrut	4/29/2025 11:57:10 AM	Peak Integrated by Software
SSTDICC010	BM050026.D	4-Nitroaniline	Rahul	4/29/2025 8:55:07 AM	Jagrut	4/29/2025 11:57:13 AM	Peak Integrated by Software
SSTDICC010	BM050026.D	Benzaldehyde	Rahul	4/29/2025 8:55:07 AM	Jagrut	4/29/2025 11:57:13 AM	Peak Integrated by Software
SSTDICC010	BM050026.D	Benzoic acid	Rahul	4/29/2025 8:55:07 AM	Jagrut	4/29/2025 11:57:13 AM	Peak Integrated by Software
SSTDICC020	BM050027.D	Benzoic acid	Rahul	4/29/2025 8:55:10 AM	Jagrut	4/29/2025 11:57:15 AM	Peak Integrated by Software
SSTDICV040	BM050032.D	Benzaldehyde	Rahul	4/29/2025 8:55:13 AM	Jagrut	4/29/2025 11:57:18 AM	Peak Integrated by Software



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

Manual Integration Report

Sequence:

BM042925

Instrument

BNA_m

Sample ID

File ID

Parameter

Review By

Review On

Supervised
By

Supervised On

Reason

Instrument ID: BNA_M

Daily Analysis Runlog For Sequence/QC Batch ID # BM042825

Review By	Rahul	Review On	4/29/2025 8:56:26 AM		
Supervise By	Jagrut	Supervise On	4/29/2025 11:57:30 AM		
SubDirectory	BM042825	HP Acquire Method	BNA_M	HP Processing Method	BM042825
STD. NAME		STD REF.#			
Tune/Reschk		SP6757			
Initial Calibration Stds		SP6722,SP6723,SP6724,SP6725,SP6726,SP6727,SP6728,SP6729			
CCC		SP6725			
Internal Standard/PEM		S12661,10ul/1000ul sample			
ICV/I.BLK		SP6770			
Surrogate Standard					
MS/MSD Standard					
LCS Standard					

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	DFTPP	BM050023.D	28 Apr 2025 11:46	RC/JU	Ok
2	SSTDICC2.5	BM050024.D	28 Apr 2025 12:30	RC/JU	Ok
3	SSTDICC005	BM050025.D	28 Apr 2025 13:09	RC/JU	Ok,M
4	SSTDICC010	BM050026.D	28 Apr 2025 13:48	RC/JU	Ok,M
5	SSTDICC020	BM050027.D	28 Apr 2025 14:27	RC/JU	Ok,M
6	SSTDICCC040	BM050028.D	28 Apr 2025 15:06	RC/JU	Ok
7	SSTDICC050	BM050029.D	28 Apr 2025 15:45	RC/JU	Ok
8	SSTDICC060	BM050030.D	28 Apr 2025 16:24	RC/JU	Ok
9	SSTDICC080	BM050031.D	28 Apr 2025 17:04	RC/JU	Ok
10	SSTDICV040	BM050032.D	28 Apr 2025 17:43	RC/JU	Ok,M
11	PB167739BL	BM050033.D	28 Apr 2025 19:40	RC/JU	Not Ok

M : Manual Integration

Instrument ID: **BNA_M**

Daily Analysis Runlog For Sequence/QC Batch ID # BM042925

Review By	Rahul	Review On	4/30/2025 11:38:15 AM		
Supervise By	Jagrut	Supervise On	4/30/2025 12:40:09 PM		
SubDirectory	BM042925	HP Acquire Method	BNA_M	HP Processing Method	BM042825
STD. NAME		STD REF.#			
Tune/Reschk		SP6757			
Initial Calibration Stds		SP6722,SP6723,SP6724,SP6725,SP6726,SP6727,SP6728,SP6729			
CCC		SP6725			
Internal Standard/PEM		S12661,10ul/1000ul sample			
ICV/I.BLK		SP6770			
Surrogate Standard					
MS/MSD Standard					
LCS Standard					

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	DFTPP	BM050034.D	29 Apr 2025 08:34	RC/JU	Ok
2	SSTDCCC040	BM050035.D	29 Apr 2025 09:13	RC/JU	Ok
3	PB167729BL	BM050036.D	29 Apr 2025 09:52	RC/JU	Ok
4	Q1502-06DL	BM050037.D	29 Apr 2025 11:00	RC/JU	Ok
5	Q1870-03	BM050038.D	29 Apr 2025 11:39	RC/JU	Ok
6	Q1870-03DL	BM050039.D	29 Apr 2025 12:19	RC/JU	Not Ok
7	PB167729BS	BM050040.D	29 Apr 2025 12:58	RC/JU	Ok

M : Manual Integration

Instrument ID: BNA_M

Daily Analysis Runlog For Sequence/QC Batch ID # BM042825

Review By	Rahul	Review On	4/29/2025 8:56:26 AM
Supervise By	Jagrut	Supervise On	4/29/2025 11:57:30 AM
SubDirectory	BM042825	HP Acquire Method	BNA_M
		HP Processing Method	BM042825

STD. NAME	STD REF.#
Tune/Reschk	SP6757
Initial Calibration Stds	SP6722,SP6723,SP6724,SP6725,SP6726,SP6727,SP6728,SP6729
CCC	SP6725
Internal Standard/PEM	S12661,10ul/1000ul sample
ICV/I.BLK	SP6770
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleID	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	DFTPP	DFTPP	BM050023.D	28 Apr 2025 11:46		RC/JU	Ok
2	SSTDICC2.5	SSTDICC2.5	BM050024.D	28 Apr 2025 12:30		RC/JU	Ok
3	SSTDICC005	SSTDICC005	BM050025.D	28 Apr 2025 13:09	Compound#32-41-54-56-65-70-7 7 removed from 5 ppm	RC/JU	Ok,M
4	SSTDICC010	SSTDICC010	BM050026.D	28 Apr 2025 13:48		RC/JU	Ok,M
5	SSTDICC020	SSTDICC020	BM050027.D	28 Apr 2025 14:27		RC/JU	Ok,M
6	SSTDICCC040	SSTDICCC040	BM050028.D	28 Apr 2025 15:06	Compound#54 & 56 Kept on LR	RC/JU	Ok
7	SSTDICC050	SSTDICC050	BM050029.D	28 Apr 2025 15:45		RC/JU	Ok
8	SSTDICC060	SSTDICC060	BM050030.D	28 Apr 2025 16:24		RC/JU	Ok
9	SSTDICC080	SSTDICC080	BM050031.D	28 Apr 2025 17:04		RC/JU	Ok
10	SSTDICV040	ICVBM042825	BM050032.D	28 Apr 2025 17:43		RC/JU	Ok,M
11	PB167739BL	PB167739BL	BM050033.D	28 Apr 2025 19:40	Analyzed for contamination check	RC/JU	Not Ok

M : Manual Integration

Instrument ID: BNA_M

Daily Analysis Runlog For Sequence/QC Batch ID # BM042925

Review By	Rahul	Review On	4/30/2025 11:38:15 AM		
Supervise By	Jagrut	Supervise On	4/30/2025 12:40:09 PM		
SubDirectory	BM042925	HP Acquire Method	BNA_M	HP Processing Method	BM042825
STD. NAME		STD REF.#			
Tune/Reschk		SP6757			
Initial Calibration Stds		SP6722,SP6723,SP6724,SP6725,SP6726,SP6727,SP6728,SP6729			
CCC		SP6725			
Internal Standard/PEM		S12661,10ul/1000ul sample			
ICV/I.BLK		SP6770			
Surrogate Standard					
MS/MSD Standard					
LCS Standard					

Sr#	SampleID	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	DFTPP	DFTPP	BM050034.D	29 Apr 2025 08:34		RC/JU	Ok
2	SSTDCCC040	SSTDCCC040	BM050035.D	29 Apr 2025 09:13		RC/JU	Ok
3	PB167729BL	PB167729BL	BM050036.D	29 Apr 2025 09:52		RC/JU	Ok
4	Q1502-06DL	PT-ACIDS-WPDL	BM050037.D	29 Apr 2025 11:00		RC/JU	Ok
5	Q1870-03	38073-100124	BM050038.D	29 Apr 2025 11:39	PT Sample	RC/JU	Ok
6	Q1870-03DL	38073-100124DL	BM050039.D	29 Apr 2025 12:19	Not Required (As 2,4-Dimethylphenol only is to be reported)	RC/JU	Not Ok
7	PB167729BS	PB167729BS	BM050040.D	29 Apr 2025 12:58		RC/JU	Ok

M : Manual Integration

SOP ID: M3510C,3580A-Extraction SVOC-20

Clean Up SOP #: N/A **Extraction Start Date :** 04/24/2025

Matrix : Water **Extraction Start Time :** 12:05

Weigh By: N/A **Extraction By:** RS **Extraction End Date :** 04/24/2025

Balance check: N/A **Filter By:** RJ **Extraction End Time :** 17:00

Balance ID: N/A **pH Meter ID:** N/A **Concentration By:** EH

pH Strip Lot#: E3880 **Hood ID:** 4,6,7 **Supervisor By :** RUPESH

Extraction Method: ☒ Separatory Funnel ☐ Continuous Liquid/Liquid ☐ Sonication ☐ Waste Dilution ☐ Soxhlet

Standard Name	MLS USED	Concentration ug/mL	STD REF. # FROM LOG
Spike Sol 1	1.0ML	50/100 PPM	SP6752
Surrogate	1.0ML	100/150 PPM	SP6754
N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A

Chemical Used	ML/SAMPLE USED	Lot Number
Methylene Chloride	N/A	E3926
Baked Na2SO4	N/A	EP2604
10N NaOH	N/A	EP2559
H2SO4 1:1	N/A	EP2865
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# 2210443. pH Adjusted <2 with 1:1 H2SO4 & >11 with 10 N NaOH.

KD Bath ID: WATER BATH-1,2 **Envap ID:** NEVAP-02

KD Bath Temperature: 60 °C **Envap Temperature:** 40 °C

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
4/24/25	RS (EX-Lab)	JY SVOC
17:05	Preparation Group	Analysis Group

Analytical Method: M3510C,3580A-Extraction SVOC-20

Concentration Date: 04/24/2025

Sample ID	Client Sample ID	Test	g / mL	PH	Surr/Spike By:		Final Vol. (mL)	JarID	Comments	Prep Pos
					AddedBy	VerifiedBy				
PB167729BL	SBLK729	SVOCMS Group2	1000	6	RUPESH	ritesh	1			SEP-4
PB167729BS	SLCS729	SVOCMS Group2	1000	6	RUPESH	ritesh	1			5
Q1870-03	38073-100124	SVOCMS Group2	1000	6	RUPESH	ritesh	1			6

[Large handwritten signature]

RS
4/24

169825 62
12:05

WORKLIST(Hardcopy Internal Chain)

WorkList Name : Q1870 WorkList ID : 189128 Department : Extraction Date : 04-24-2025 12:02:25

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q1870-01	38072-010925	Water	SVOCMS Group5	Cool 4 deg C	ALLI03	QA OI	04/21/2025	8270-Modified
Q1870-03	38073-100124	Water	SVOCMS Group2	Cool 4 deg C	ALLI03	QA OI	04/22/2025	8270E

Date/Time 4/24/25 12:03
Raw Sample Received by: RJ (Ext Lab)
Raw Sample Relinquished by: SJ (QA)

Date/Time NA
Raw Sample Received by: N/A
Raw Sample Relinquished by: N/A



LAB CHRONICLE

OrderID:	Q1870	OrderDate:	4/24/2025 11:31:00 AM
Client:	Alliance Technical Group, LLC - Newark	Project:	NJ Waste Water PT
Contact:	Mohammad Ahmed	Location:	QA Office

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q1870-03	38073-100124	Water	SVOCMS Group2	8270E	04/22/25	04/24/25	04/29/25	04/24/25



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

Hit Summary Sheet SW-846

SDG No.: Q1870
Client: Alliance Technical Group, LLC - Newark

Sample ID	Client ID	Parameter	Concentration	C	MDL	RDL	Units
Client ID : 38072-010925							
Q1870-01	38072-010925	WATER	Acenaphthylene	240.000	E 0.04	0.1	ug/L
			Total Svoc :	240.00			
			Total Concentration:	240.00			
Client ID : 38072-010925DL							
Q1870-01DL	38072-010925DL	WATER	Acenaphthylene	240.000	ED 0.19	0.5	ug/L
			Total Svoc :	240.00			
			Total Concentration:	240.00			
Client ID : 38072-010925DL2							
Q1870-01DL2	38072-010925DL2	WATER	Acenaphthylene	230.000	D 1.9	5	ug/L
			Total Svoc :	230.00			
			Total Concentration:	230.00			



SAMPLE DATA

Report of Analysis

Client:	Alliance Technical Group, LLC - Newark	Date Collected:	04/21/25
Project:	NJ Waste Water PT	Date Received:	04/23/25
Client Sample ID:	38072-010925	SDG No.:	Q1870
Lab Sample ID:	Q1870-01	Matrix:	Water
Analytical Method:	SW8270ESIM	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOCMS Group5
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BN036936.D	1	04/24/25 12:05	04/29/25 13:05	PB167728

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
208-96-8	Acenaphthylene	240	E	0.040	0.10	ug/L
SURROGATES						
7297-45-2	2-Methylnaphthalene-d10	0.42		20 - 139	105%	SPK: 0.4
93951-69-0	Fluoranthene-d10	0.46		30 - 150	115%	SPK: 0.4
4165-60-0	Nitrobenzene-d5	0.42		27 - 154	104%	SPK: 0.4
321-60-8	2-Fluorobiphenyl	0.41		25 - 149	103%	SPK: 0.4
1718-51-0	Terphenyl-d14	0.37		54 - 175	93%	SPK: 0.4
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	1930		7.633		
1146-65-2	Naphthalene-d8	5450		10.415		
15067-26-2	Acenaphthene-d10	3190		14.277		
1517-22-2	Phenanthrene-d10	6290		17.021		
1719-03-5	Chrysene-d12	6090		21.225		
1520-96-3	Perylene-d12	4540		23.427		

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

Report of Analysis

Client:	Alliance Technical Group, LLC - Newark	Date Collected:	04/21/25
Project:	NJ Waste Water PT	Date Received:	04/23/25
Client Sample ID:	38072-010925DL	SDG No.:	Q1870
Lab Sample ID:	Q1870-01DL	Matrix:	Water
Analytical Method:	SW8270ESIM	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOCMS Group5
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BN036937.D	5	04/24/25 12:05	04/29/25 13:41	PB167728

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
208-96-8	Acenaphthylene	240	ED	0.19	0.50	ug/L
SURROGATES						
7297-45-2	2-Methylnaphthalene-d10	0.42		20 - 139	104%	SPK: 0.4
93951-69-0	Fluoranthene-d10	0.44		30 - 150	110%	SPK: 0.4
4165-60-0	Nitrobenzene-d5	0.42		27 - 154	105%	SPK: 0.4
321-60-8	2-Fluorobiphenyl	0.41		25 - 149	101%	SPK: 0.4
1718-51-0	Terphenyl-d14	0.35		54 - 175	88%	SPK: 0.4
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	2660	7.633			
1146-65-2	Naphthalene-d8	7270	10.404			
15067-26-2	Acenaphthene-d10	4170	14.277			
1517-22-2	Phenanthrene-d10	8000	17.021			
1719-03-5	Chrysene-d12	7790	21.216			
1520-96-3	Perylene-d12	5960	23.427			

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

Report of Analysis

Client:	Alliance Technical Group, LLC - Newark	Date Collected:	04/21/25
Project:	NJ Waste Water PT	Date Received:	04/23/25
Client Sample ID:	38072-010925DL2	SDG No.:	Q1870
Lab Sample ID:	Q1870-01DL2	Matrix:	Water
Analytical Method:	SW8270ESIM	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOCMS Group5
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BN036938.D	50	04/24/25 12:05	04/29/25 14:17	PB167728

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
208-96-8	Acenaphthylene	230	D	1.90	5.00	ug/L
SURROGATES						
7297-45-2	2-Methylnaphthalene-d10	0	*	20 - 139	0%	SPK: 0.4
93951-69-0	Fluoranthene-d10	0	*	30 - 150	0%	SPK: 0.4
4165-60-0	Nitrobenzene-d5	0	*	27 - 154	0%	SPK: 0.4
321-60-8	2-Fluorobiphenyl	0	*	25 - 149	0%	SPK: 0.4
1718-51-0	Terphenyl-d14	0	*	54 - 175	0%	SPK: 0.4
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	2430		7.633		
1146-65-2	Naphthalene-d8	6300		10.415		
15067-26-2	Acenaphthene-d10	3590		14.277		
1517-22-2	Phenanthrene-d10	7140		17.021		
1719-03-5	Chrysene-d12	6700		21.215		
1520-96-3	Perylene-d12	5500		23.43		

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



QC SUMMARY

Surrogate Summary

SW-846

SDG No.: Q1870

Client: Alliance Technical Group, LLC - Newark

Analytical Method: 8270-Modified

Lab Sample ID	Client ID	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%)	
							Low	High
PB167728BL	PB167728BL	2-Methylnaphthalene-d10	0.4	0.32	81		20	139
		Fluoranthene-d10	0.4	0.36	90		30	150
		Nitrobenzene-d5	0.4	0.33	82		27	154
		2-Fluorobiphenyl	0.4	0.35	88		25	149
		Terphenyl-d14	0.4	0.37	91		54	175
PB167728BS	PB167728BS	2-Methylnaphthalene-d10	0.4	0.37	93		20	139
		Fluoranthene-d10	0.4	0.33	82		30	150
		Nitrobenzene-d5	0.4	0.35	87		27	154
		2-Fluorobiphenyl	0.4	0.37	92		25	149
		Terphenyl-d14	0.4	0.36	89		54	175
Q1870-01	38072-010925	2-Methylnaphthalene-d10	0.4	0.42	105		20	139
		Fluoranthene-d10	0.4	0.46	115		30	150
		Nitrobenzene-d5	0.4	0.42	104		27	154
		2-Fluorobiphenyl	0.4	0.41	103		25	149
		Terphenyl-d14	0.4	0.37	93		54	175
Q1870-01DL	38072-010925DL	2-Methylnaphthalene-d10	0.4	0.42	104		20	139
		Fluoranthene-d10	0.4	0.44	110		30	150
		Nitrobenzene-d5	0.4	0.42	105		27	154
		2-Fluorobiphenyl	0.4	0.41	101		25	149
		Terphenyl-d14	0.4	0.35	88		54	175
Q1870-01DL2	38072-010925DL2	2-Methylnaphthalene-d10	0.4	0	0	*	20	139
		Fluoranthene-d10	0.4	0	0	*	30	150
		Nitrobenzene-d5	0.4	0	0	*	27	154
		2-Fluorobiphenyl	0.4	0	0	*	25	149
		Terphenyl-d14	0.4	0	0	*	54	175

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q1870

Client: Alliance Technical Group, LLC - Newark

Analytical Method: 8270-Modified DataFile: BN036939.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD	Limits		RPD
								Qual	Low	High	
PB167728BS	Acenaphthylene	0.4	0.37	ug/L	93				60	119	

4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB167728BL

Lab Name: CHEMTECH

Contract: ALLI03

Lab Code: CHEM Case No.: Q1870

SAS No.: Q1870 SDG NO.: Q1870

Lab File ID: BN036934.D

Lab Sample ID: PB167728BL

Instrument ID: BNA_N

Date Extracted: 04/24/2025

Matrix: (soil/water) Water

Date Analyzed: 04/29/2025

Level: (low/med) LOW

Time Analyzed: 09:53

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
PB167728BS	PB167728BS	BN036939.D	04/29/2025
38072-010925	Q1870-01	BN036936.D	04/29/2025

COMMENTS: _____

5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH

Contract: ALLI03

Lab Code: CHEM

SAS No.: Q1870 SDG NO.: Q1870

Lab File ID: BN036922.D

DFTPP Injection Date: 04/28/2025

Instrument ID: BNA_N

DFTPP 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	100
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

5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH

Contract: ALLI03

Lab Code: CHEM

SAS No.: Q1870 SDG NO.: Q1870

Lab File ID: BN036932.D

DFTPP Injection Date: 04/29/2025

Instrument ID: BNA_N

DFTPP Injection Time: 08:38

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	70.2
68	Less than 2.0% of mass 69	0.8 (1.3) 1
69	Mass 69 relative abundance	59.7
70	Less than 2.0% of mass 69	0.3 (0.6) 1
127	10.0 - 80.0% of mass 198	54.5
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	7
275	10.0 - 60.0% of mass 198	23.1
365	Greater than 1% of mass 198	3.7
441	Present, but less than mass 443	7.7
442	Greater than 50% of mass 198	100
443	15.0 - 24.0% of mass 442	9.9 (21.2) 2

1-Value is % mass 69

2-Value is % mass 442

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
SSTDCCC0.4	SSTDCCC0.4	BN036933.D	04/29/2025	09:17
PB167728BL	PB167728BL	BN036934.D	04/29/2025	09:53
38072-010925	Q1870-01	BN036936.D	04/29/2025	13:05
38072-010925DL	Q1870-01DL	BN036937.D	04/29/2025	13:41
38072-010925DL2	Q1870-01DL2	BN036938.D	04/29/2025	14:17
PB167728BS	PB167728BS	BN036939.D	04/29/2025	14:54

8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: Q1870 SAS No.: Q1870 SDG NO.: Q1870

EPA Sample No.: SSTDCCC0.4 Date Analyzed: 04/29/2025

Lab File ID: BN036933.D Time Analyzed: 09:17

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	2604	7.633	6625	10.40	3573	14.28
UPPER LIMIT	5208	8.133	13250	10.904	7146	14.777
LOWER LIMIT	1302	7.133	3312.5	9.904	1786.5	13.777
EPA SAMPLE NO.						
01 PB167728BL	2379	7.63	5573	10.42	2873	14.28
02 38072-010925	1925	7.63	5445	10.42	3190	14.28
03 38072-010925DL	2660	7.63	7273	10.40	4170	14.28
04 PB167728BS	2630	7.63	6464	10.42	3313	14.28
05 38072-010925DL2	2432	7.63	6295	10.42	3589	14.28

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.: Q1870 SAS No.: Q1870 SDG NO.: Q1870

EPA Sample No.: SSTDCCC0.4 Date Analyzed: 04/29/2025

Lab File ID: BN036933.D Time Analyzed: 09:17

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	6894	17.021	5083	21.216	4284	23.427
UPPER LIMIT	13788	17.521	10166	21.716	8568	23.927
LOWER LIMIT	3447	16.521	2541.5	20.716	2142	22.927
EPA SAMPLE NO.						
01 PB167728BL	5718	17.02	4280	21.22	3789	23.42
02 38072-010925	6294	17.02	6093	21.23	4542	23.43
03 38072-010925DL	7996	17.02	7787	21.22	5957	23.43
04 PB167728BS	6630	17.02	4615	21.22	3648	23.43
05 38072-010925DL2	7137	17.02	6695	21.22	5501	23.43

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.



QC SAMPLE DATA

Report of Analysis

Client:	Alliance Technical Group, LLC - Newark		Date Collected:	
Project:	NJ Waste Water PT		Date Received:	
Client Sample ID:	PB167728BL		SDG No.:	Q1870
Lab Sample ID:	PB167728BL		Matrix:	Water
Analytical Method:	SW8270ESIM		% Solid:	0
Sample Wt/Vol:	1000	Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:		uL	Test:	SVOCMS Group5
Extraction Type :		Decanted : N	Level :	LOW
Injection Volume :		GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BN036934.D	1	04/24/25 12:05	04/29/25 09:53	PB167728

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
208-96-8	Acenaphthylene	0.040	U	0.040	0.10	ug/L
SURROGATES						
7297-45-2	2-Methylnaphthalene-d10	0.32		20 - 139	81%	SPK: 0.4
93951-69-0	Fluoranthene-d10	0.36		30 - 150	90%	SPK: 0.4
4165-60-0	Nitrobenzene-d5	0.33		27 - 154	82%	SPK: 0.4
321-60-8	2-Fluorobiphenyl	0.35		25 - 149	88%	SPK: 0.4
1718-51-0	Terphenyl-d14	0.37		54 - 175	91%	SPK: 0.4
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	2380	7.633			
1146-65-2	Naphthalene-d8	5570	10.415			
15067-26-2	Acenaphthene-d10	2870	14.277			
1517-22-2	Phenanthrene-d10	5720	17.021			
1719-03-5	Chrysene-d12	4280	21.215			
1520-96-3	Perylene-d12	3790	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

Report of Analysis

Client:	Alliance Technical Group, LLC - Newark	Date Collected:	
Project:	NJ Waste Water PT	Date Received:	
Client Sample ID:	PB167728BS	SDG No.:	Q1870
Lab Sample ID:	PB167728BS	Matrix:	Water
Analytical Method:	SW8270ESIM	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOCMS Group5
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BN036939.D	1	04/24/25 12:05	04/29/25 14:54	PB167728

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
208-96-8	Acenaphthylene	0.37		0.040	0.10	ug/L
SURROGATES						
7297-45-2	2-Methylnaphthalene-d10	0.37		20 - 139	93%	SPK: 0.4
93951-69-0	Fluoranthene-d10	0.33		30 - 150	82%	SPK: 0.4
4165-60-0	Nitrobenzene-d5	0.35		27 - 154	87%	SPK: 0.4
321-60-8	2-Fluorobiphenyl	0.37		25 - 149	92%	SPK: 0.4
1718-51-0	Terphenyl-d14	0.36		54 - 175	89%	SPK: 0.4
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	2630	7.633			
1146-65-2	Naphthalene-d8	6460	10.415			
15067-26-2	Acenaphthene-d10	3310	14.277			
1517-22-2	Phenanthrene-d10	6630	17.021			
1719-03-5	Chrysene-d12	4620	21.215			
1520-96-3	Perylene-d12	3650	23.427			

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



CALIBRATION SUMMARY

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) SURR2	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

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: ALLI03

Lab Code: CHEM Case No.: Q1870 SAS No.: Q1870 SDG No.: Q1870

Instrument ID: BNA_N Calibration Date/Time: 04/29/2025 09:17

Lab File ID: BN036933.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	0.542		-3.0	20.0
Fluoranthene-d10	1.037	0.998		-3.8	20.0
2-Fluorophenol	1.023	1.058		3.4	20.0
Phenol-d6	1.259	1.302		3.4	20.0
Nitrobenzene-d5	0.418	0.407		-2.6	20.0
2-Fluorobiphenyl	1.933	1.953		1.0	20.0
Acenaphthylene	1.955	1.903		-2.7	20.0
2,4,6-Tribromophenol	0.178	0.172		-3.4	20.0
Terphenyl-d14	0.944	0.951		0.7	20.0

All other compounds must meet a minimum RRF of 0.010.



SAMPLE RAW DATA

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN042925\
 Data File : BN036936.D
 Acq On : 29 Apr 2025 13:05
 Operator : RC/JU
 Sample : Q1870-01
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 38072-010925

Quant Time: Apr 29 13:29:18 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

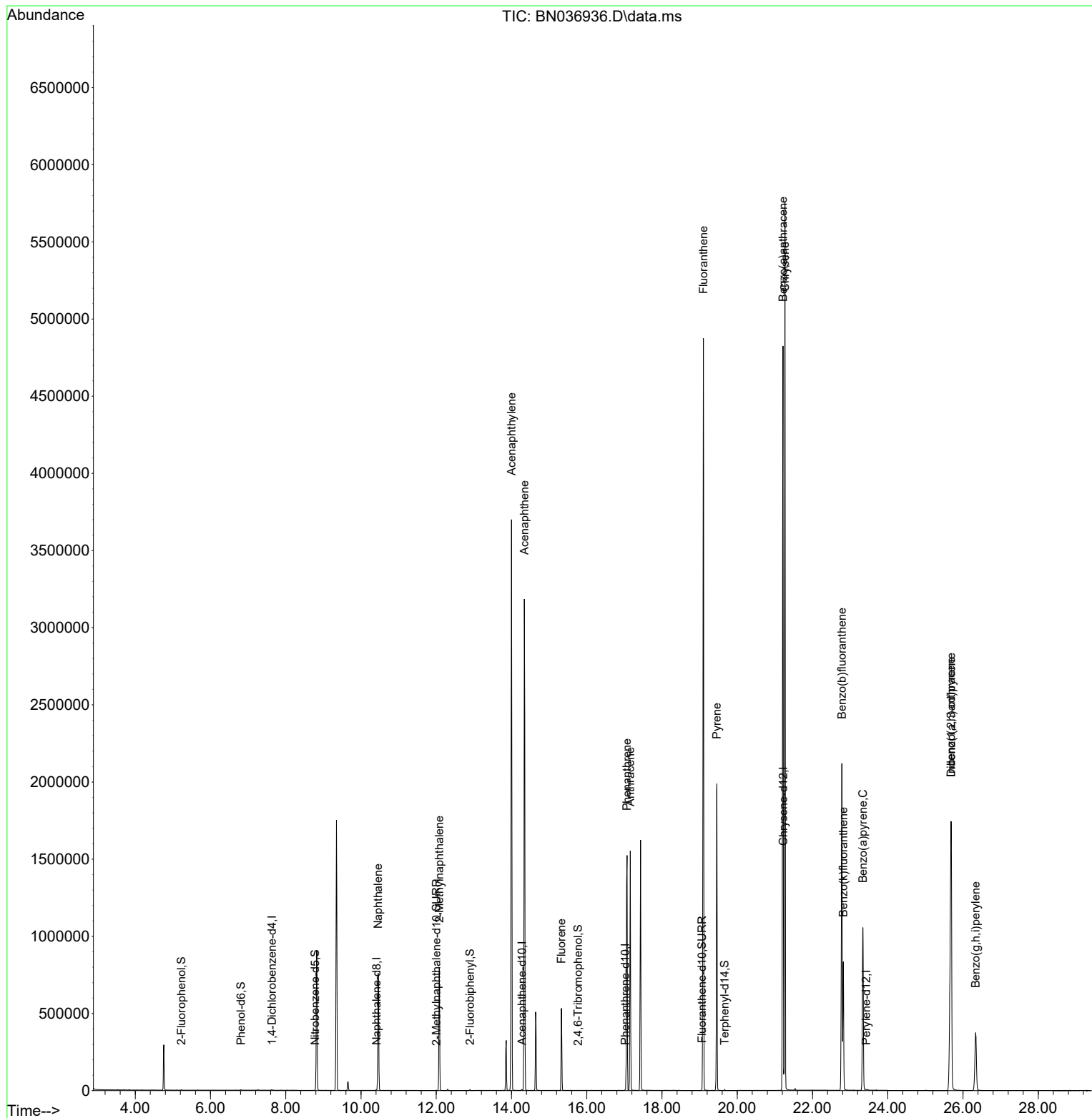
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.633	152	1925	0.400	ng	0.00
7) Naphthalene-d8	10.415	136	5445	0.400	ng	0.00
13) Acenaphthene-d10	14.277	164	3190	0.400	ng	0.00
19) Phenanthrene-d10	17.021	188	6294	0.400	ng	0.00
29) Chrysene-d12	21.225	240	6093	0.400	ng	0.00
35) Perylene-d12	23.427	264	4542	0.400	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.228	112	1734	0.352	ng	0.00
5) Phenol-d6	6.810	99	2400	0.396	ng	0.00
8) Nitrobenzene-d5	8.782	82	2370	0.416	ng	0.00
11) 2-Methylnaphthalene-d10	12.006	152	3196	0.420	ng	0.00
14) 2,4,6-Tribromophenol	15.768	330	303	0.213	ng	0.00
15) 2-Fluorobiphenyl	12.899	172	6365	0.413	ng	0.00
27) Fluoranthene-d10	19.063	212	7536	0.462	ng	0.00
31) Terphenyl-d14	19.663	244	5329	0.371	ng	0.00
Target Compounds						
9) Naphthalene	10.458	128	916595	57.839	ng	98
12) 2-Methylnaphthalene	12.082	142	515219	50.291	ng	99
16) Acenaphthylene	13.999	152	3723039	238.798	ng	99
17) Acenaphthene	14.342	154	1522189	148.602	ng	95
18) Fluorene	15.325	166	299838	22.381	ng	99
25) Phenanthrene	17.071	178	1651033	79.476	ng	100
26) Anthracene	17.158	178	1384185	73.661	ng	100
28) Fluoranthene	19.101	202	4394407	188.748	ng	98
30) Pyrene	19.458	202	1714365	58.420	ng	98
32) Benzo(a)anthracene	21.216	228	4066087	181.199	ng	99
33) Chrysene	21.269	228	4265016	176.238	ng	98
36) Indeno(1,2,3-cd)pyrene	25.684	276	2815525	151.786	ng	95
37) Benzo(b)fluoranthene	22.781	252	2651471	138.833	ng	# 88
38) Benzo(k)fluoranthene	22.819	252	864365	45.004	ng	# 87
39) Benzo(a)pyrene	23.339	252	1407542	89.656	ng	# 81
40) Dibenzo(a,h)anthracene	25.684	278	699662	47.928	ng	# 88
41) Benzo(g,h,i)perylene	26.336	276	724777	44.737	ng	98

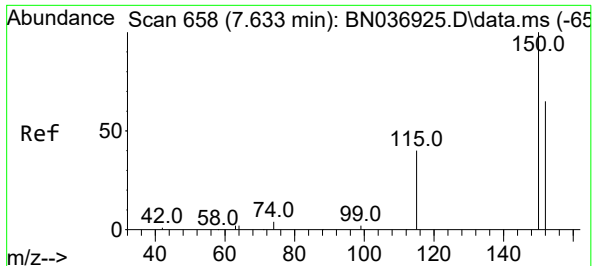
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Acq On : 29 Apr 2025 13:05
Operator : RC/JU
Sample : Q1870-01
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
38072-010925

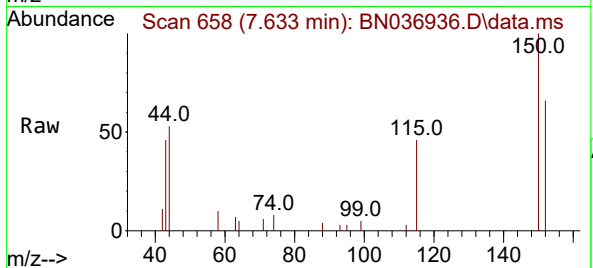
Quant Time: Apr 29 13:29:18 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN042825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Apr 28 15:35:03 2025
Response via : Initial Calibration



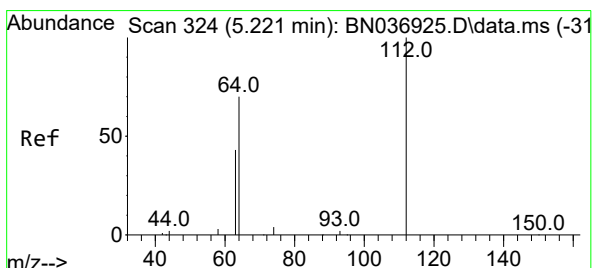
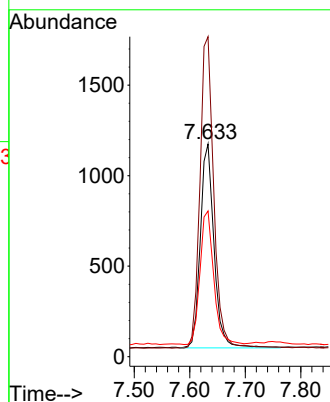
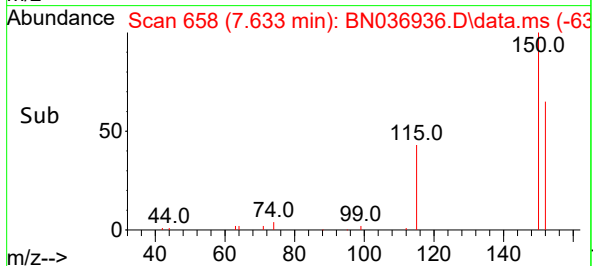


#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.633 min Scan# 61
Delta R.T. -0.000 min
Lab File: BN036936.D
Acq: 29 Apr 2025 13:05

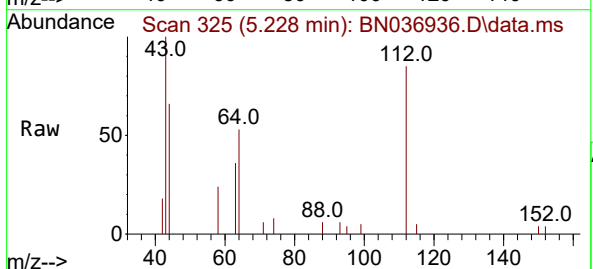
Instrument :
BNA_N
ClientSampleId :
38072-010925



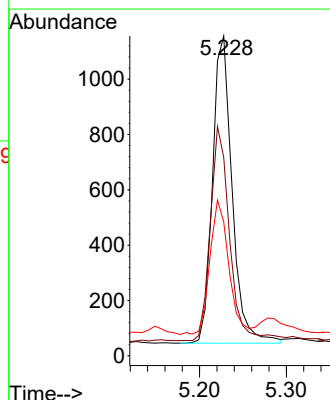
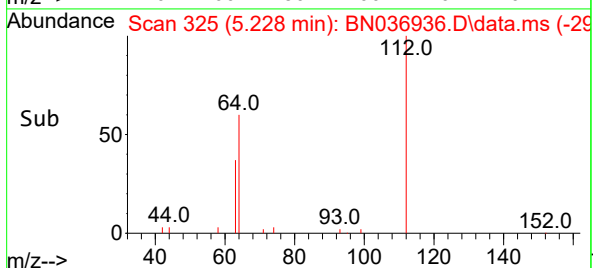
Tgt Ion:152 Resp: 1925
Ion Ratio Lower Upper
152 100
150 150.5 121.1 181.7
115 68.5 51.8 77.6

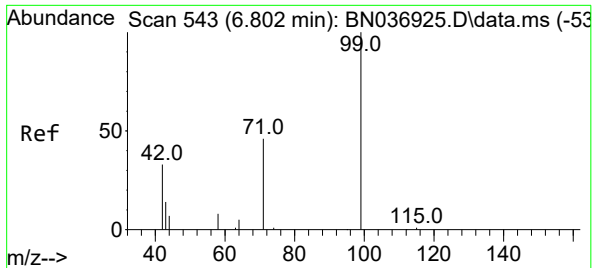


#4
2-Fluorophenol
Concen: 0.352 ng
RT: 5.228 min Scan# 325
Delta R.T. 0.007 min
Lab File: BN036936.D
Acq: 29 Apr 2025 13:05



Tgt Ion:112 Resp: 1734
Ion Ratio Lower Upper
112 100
64 70.9 55.7 83.5
63 42.2 33.9 50.9

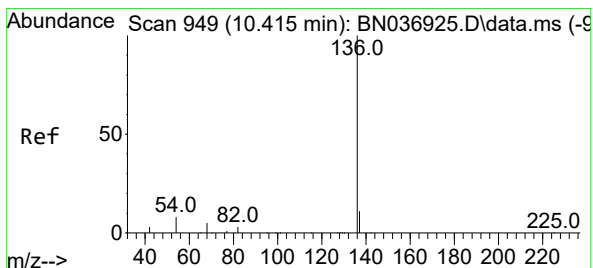
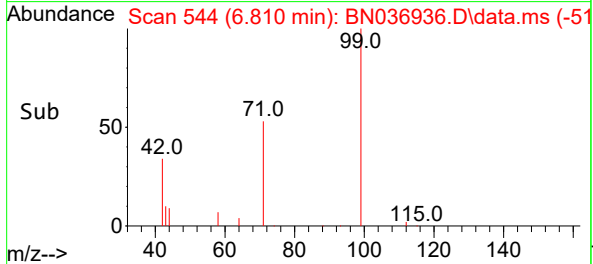
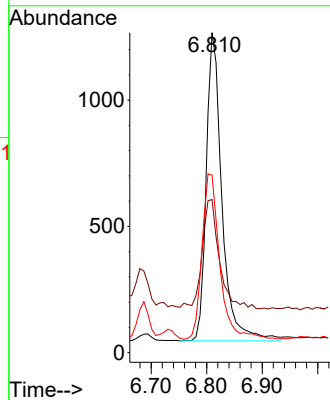
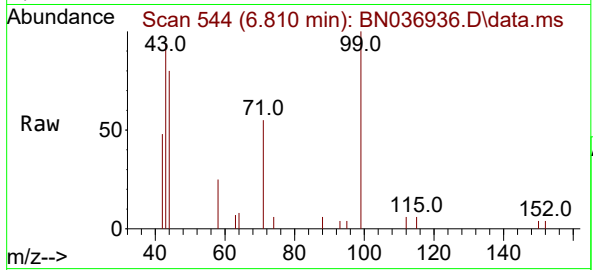




#5
Phenol-d6
Concen: 0.396 ng
RT: 6.810 min Scan# 543
Delta R.T. 0.007 min
Lab File: BN036936.D
Acq: 29 Apr 2025 13:05

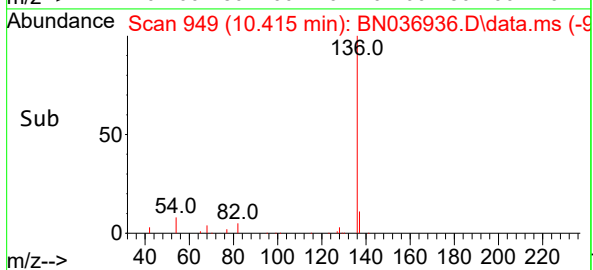
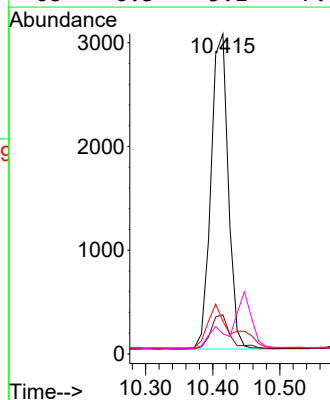
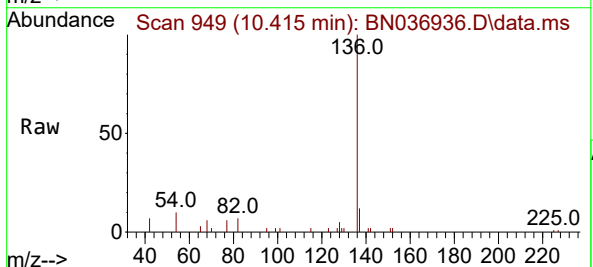
Instrument :
BNA_N
ClientSampleId :
38072-010925

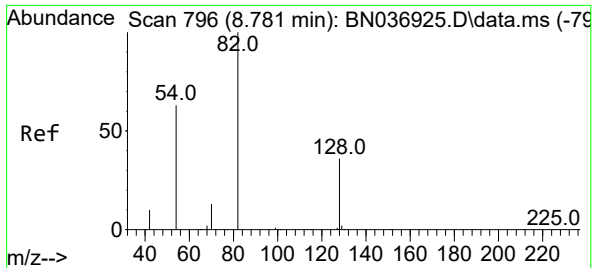
Tgt Ion: 99 Resp: 2400
Ion Ratio Lower Upper
99 100
42 38.9 29.6 44.4
71 61.0 36.0 54.0#



#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.415 min Scan# 949
Delta R.T. 0.000 min
Lab File: BN036936.D
Acq: 29 Apr 2025 13:05

Tgt Ion: 136 Resp: 5445
Ion Ratio Lower Upper
136 100
137 12.2 9.7 14.5
54 10.2 8.0 12.0
68 6.3 5.1 7.7

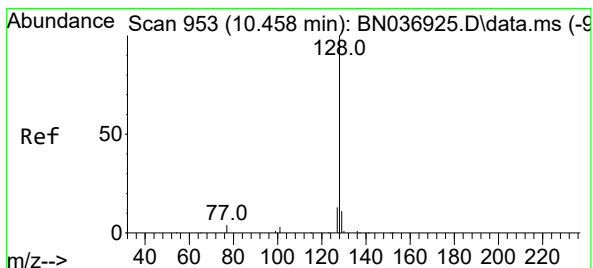
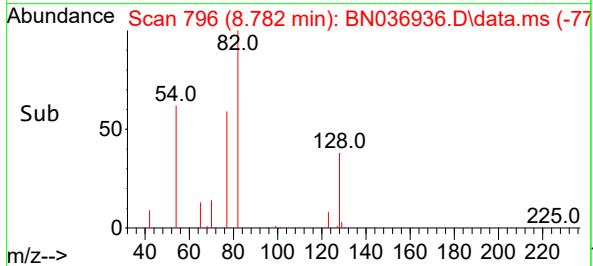
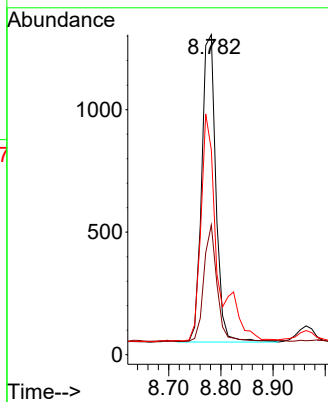
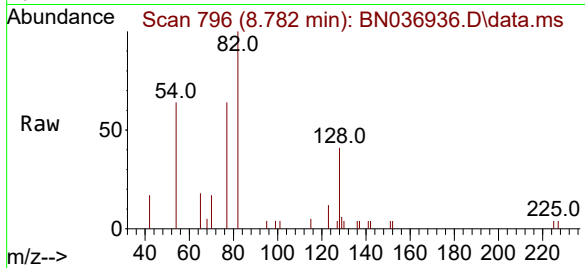




#8
Nitrobenzene-d5
Concen: 0.416 ng
RT: 8.782 min Scan# 796
Delta R.T. 0.000 min
Lab File: BN036936.D
Acq: 29 Apr 2025 13:05

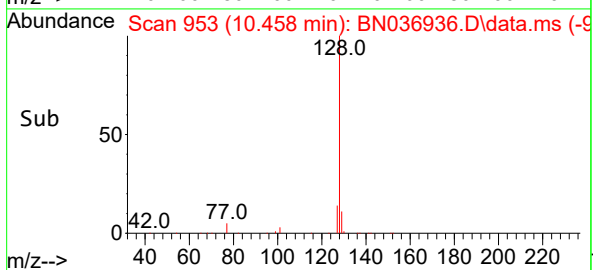
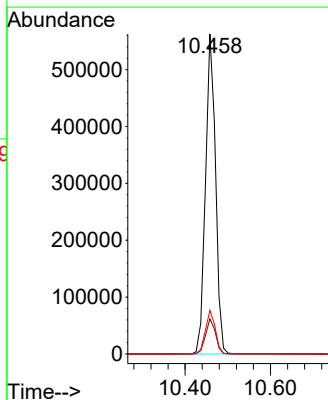
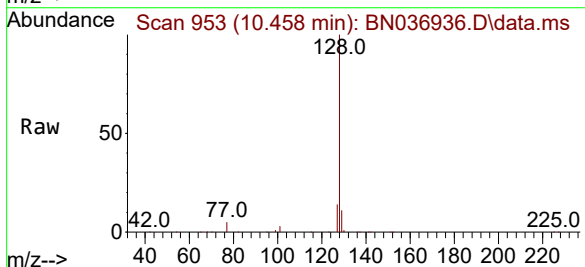
Instrument :
BNA_N
ClientSampleId :
38072-010925

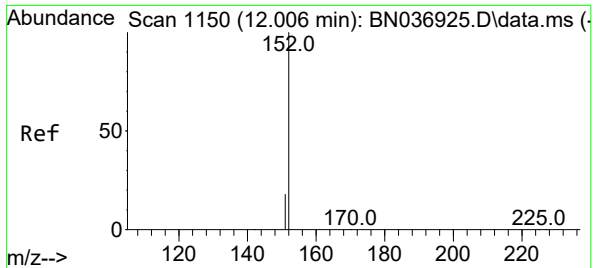
Tgt Ion: 82 Resp: 2370
Ion Ratio Lower Upper
82 100
128 40.6 30.7 46.1
54 64.0 52.1 78.1



#9
Naphthalene
Concen: 57.839 ng
RT: 10.458 min Scan# 953
Delta R.T. 0.000 min
Lab File: BN036936.D
Acq: 29 Apr 2025 13:05

Tgt Ion: 128 Resp: 916595
Ion Ratio Lower Upper
128 100
129 11.0 9.8 14.6
127 13.6 11.4 17.2

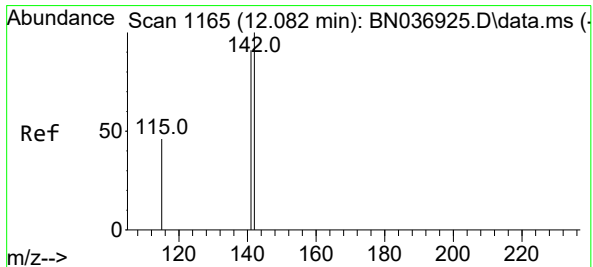
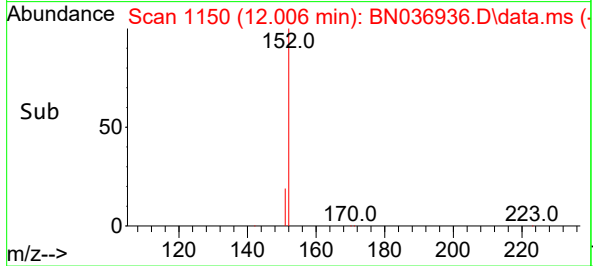
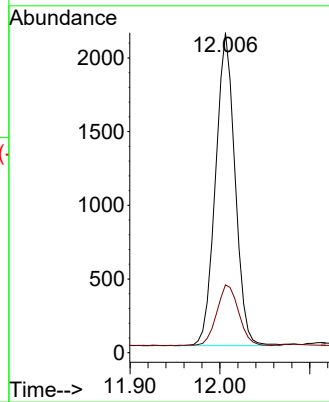
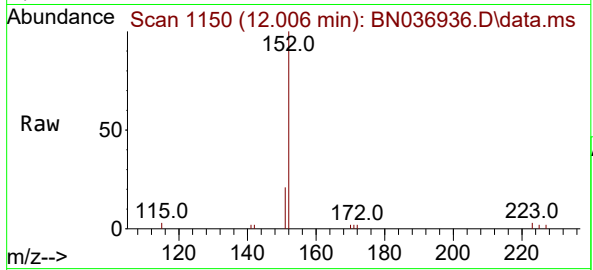




#11
2-Methylnaphthalene-d10
Concen: 0.420 ng
RT: 12.006 min Scan# 1150
Delta R.T. 0.000 min
Lab File: BN036936.D
Acq: 29 Apr 2025 13:05

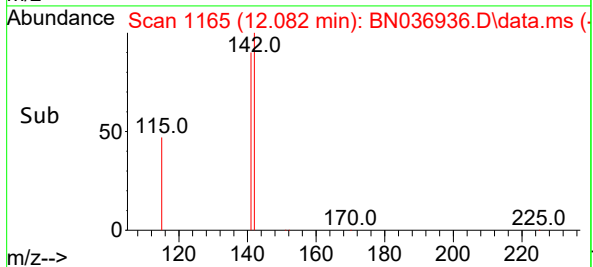
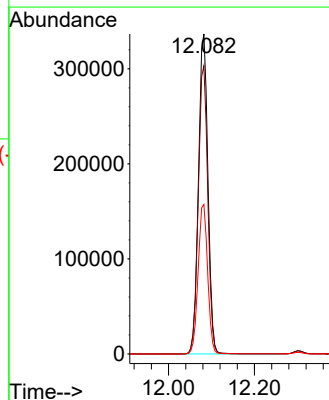
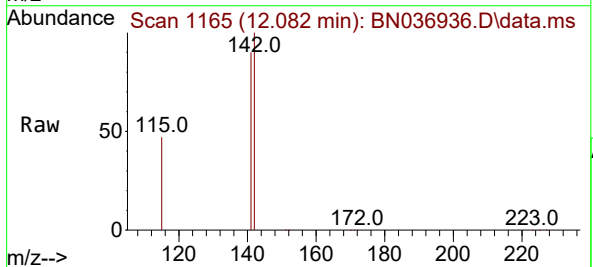
Instrument :
BNA_N
ClientSampleId :
38072-010925

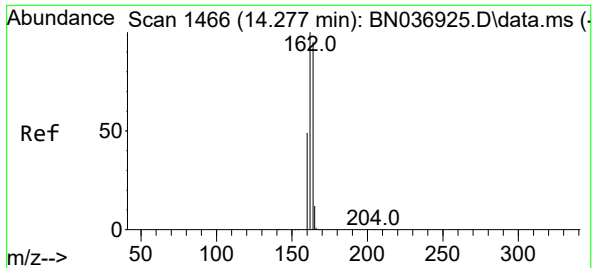
Tgt Ion:152 Resp: 3196
Ion Ratio Lower Upper
152 100
151 21.9 16.9 25.3



#12
2-Methylnaphthalene
Concen: 50.291 ng
RT: 12.082 min Scan# 1165
Delta R.T. 0.000 min
Lab File: BN036936.D
Acq: 29 Apr 2025 13:05

Tgt Ion:142 Resp: 515219
Ion Ratio Lower Upper
142 100
141 90.0 72.8 109.2
115 46.7 38.2 57.4

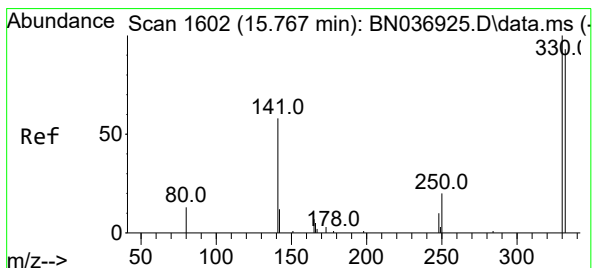
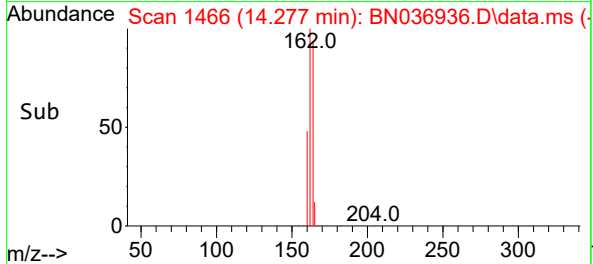
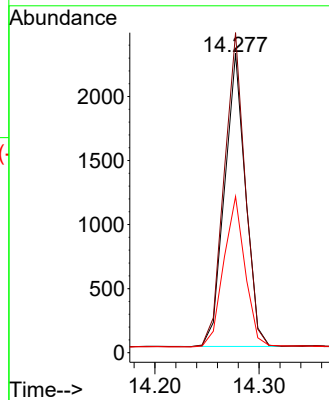
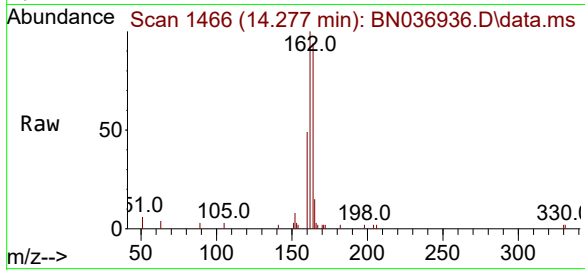




#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.277 min Scan# 1466
Delta R.T. 0.000 min
Lab File: BN036936.D
Acq: 29 Apr 2025 13:05

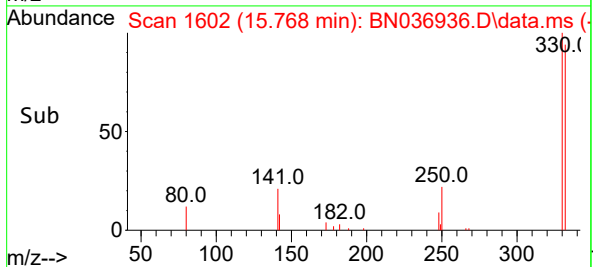
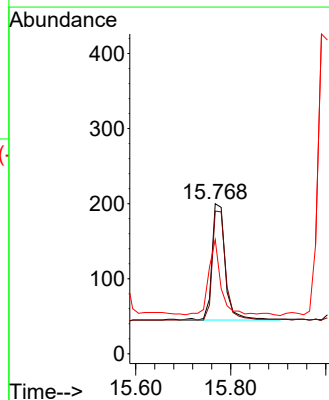
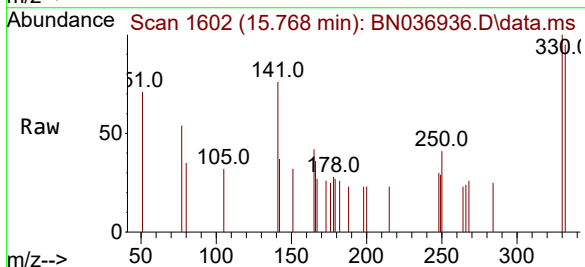
Instrument :
BNA_N
ClientSampleId :
38072-010925

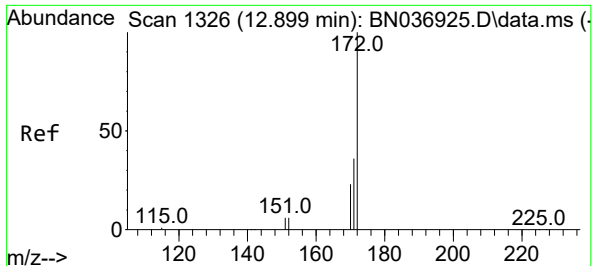
Tgt Ion:	164	Resp:	3190
Ion	Ratio	Lower	Upper
164	100		
162	106.8	83.8	125.8
160	52.1	42.0	63.0



#14
2,4,6-Tribromophenol
Concen: 0.213 ng
RT: 15.768 min Scan# 1602
Delta R.T. 0.000 min
Lab File: BN036936.D
Acq: 29 Apr 2025 13:05

Tgt Ion:	330	Resp:	303
Ion	Ratio	Lower	Upper
330	100		
332	93.1	76.3	114.5
141	57.8	45.4	68.2





#15

2-Fluorobiphenyl

Concen: 0.413 ng

RT: 12.899 min Scan# 11

Delta R.T. 0.000 min

Lab File: BN036936.D

Acq: 29 Apr 2025 13:05

Instrument :

BNA_N

ClientSampleId :

38072-010925

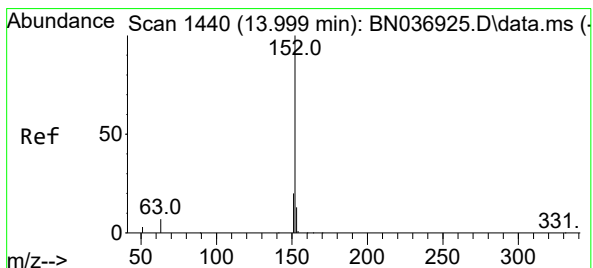
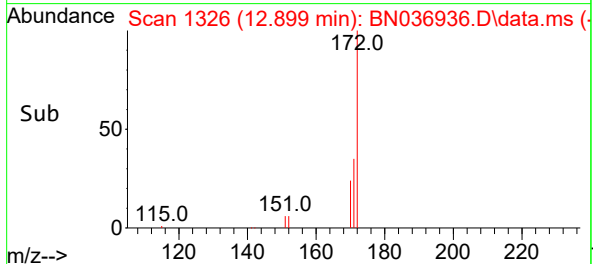
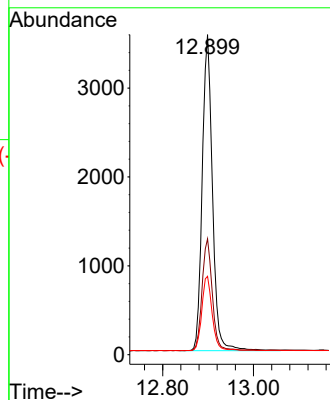
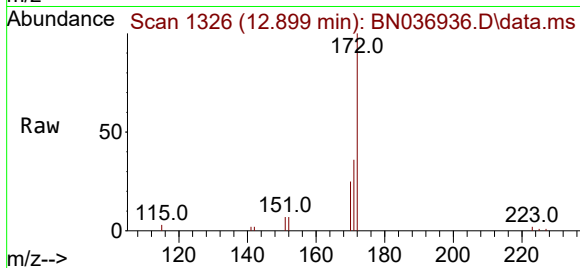
Tgt Ion:172 Resp: 6365

Ion Ratio Lower Upper

172 100

171 36.2 29.4 44.0

170 24.5 19.4 29.0



#16

Acenaphthylene

Concen: 238.798 ng

RT: 13.999 min Scan# 1440

Delta R.T. 0.000 min

Lab File: BN036936.D

Acq: 29 Apr 2025 13:05

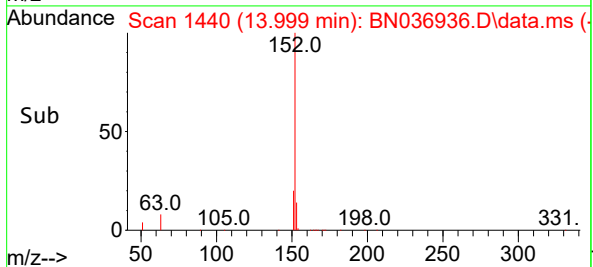
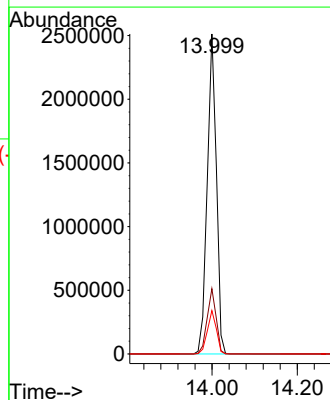
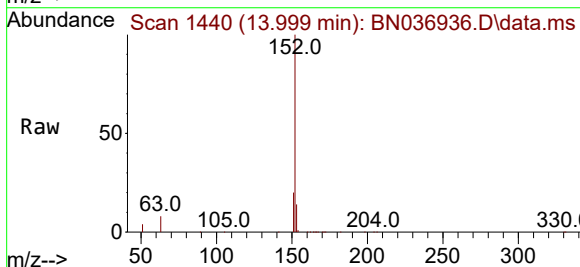
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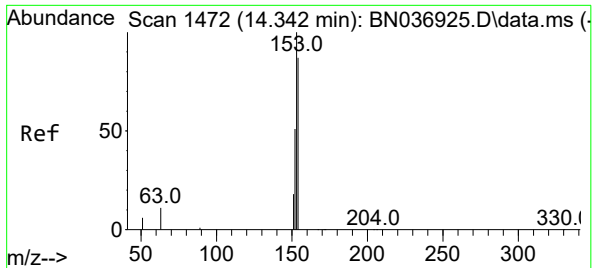
Ion Ratio Lower Upper

152 100

151 20.2 16.0 24.0

153 13.5 10.2 15.2

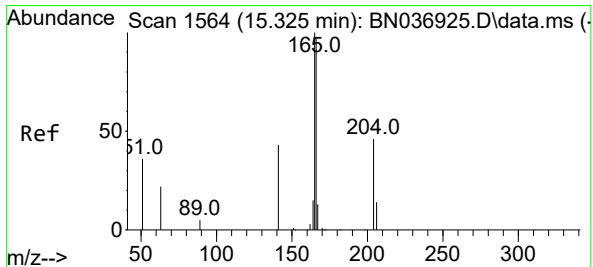
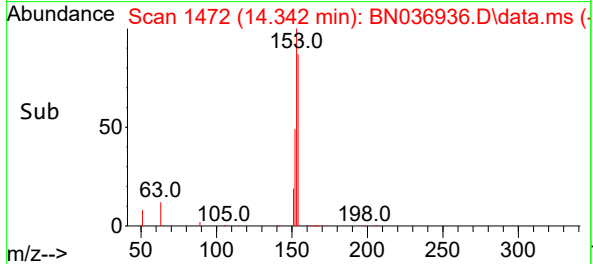
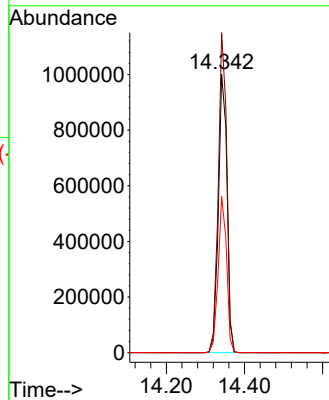
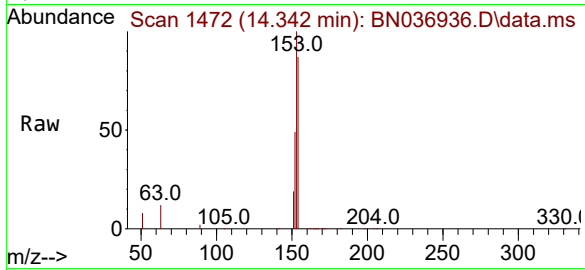




#17
Acenaphthene
Concen: 148.602 ng
RT: 14.342 min Scan# 1472
Delta R.T. 0.000 min
Lab File: BN036936.D
Acq: 29 Apr 2025 13:05

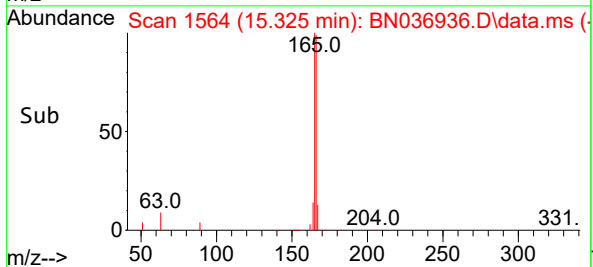
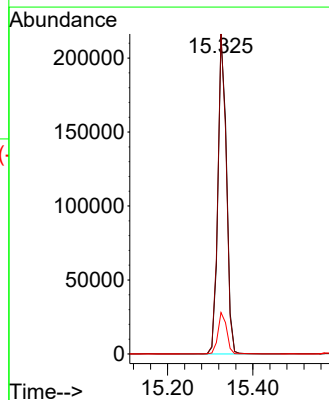
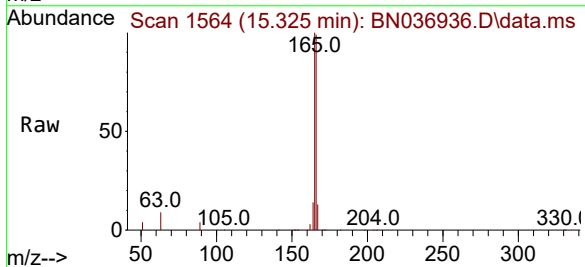
Instrument :
BNA_N
ClientSampleId :
38072-010925

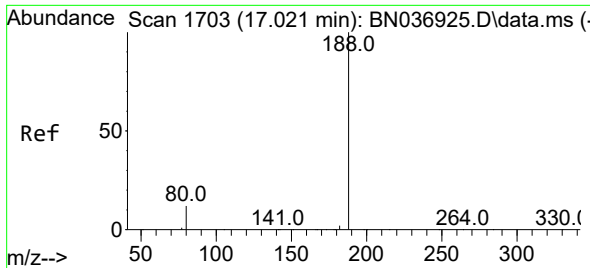
Tgt Ion:154 Resp: 1522189
Ion Ratio Lower Upper
154 100
153 113.7 93.4 140.2
152 55.1 49.5 74.3



#18
Fluorene
Concen: 22.381 ng
RT: 15.325 min Scan# 1564
Delta R.T. 0.000 min
Lab File: BN036936.D
Acq: 29 Apr 2025 13:05

Tgt Ion:166 Resp: 299838
Ion Ratio Lower Upper
166 100
165 99.7 80.8 121.2
167 13.2 10.8 16.2

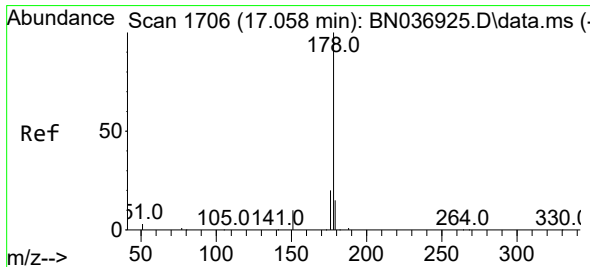
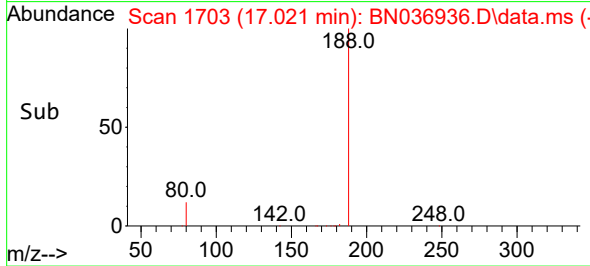
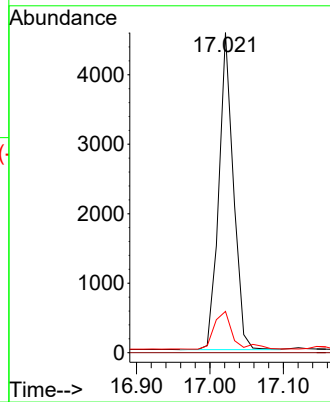
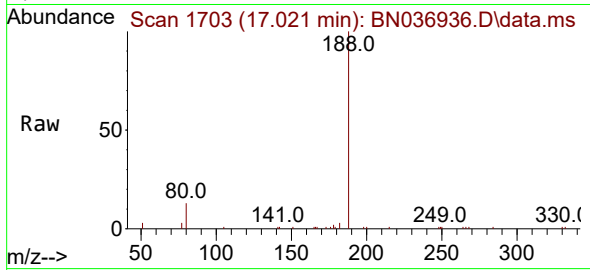




#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.021 min Scan# 11
Delta R.T. 0.000 min
Lab File: BN036936.D
Acq: 29 Apr 2025 13:05

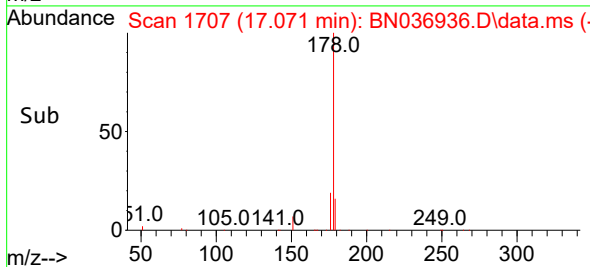
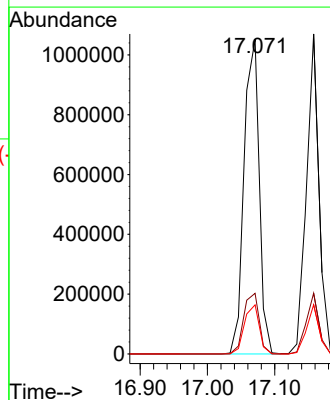
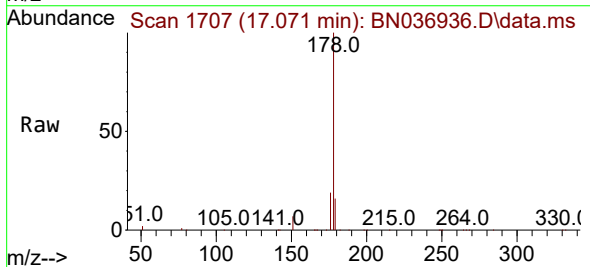
Instrument :
BNA_N
ClientSampleId :
38072-010925

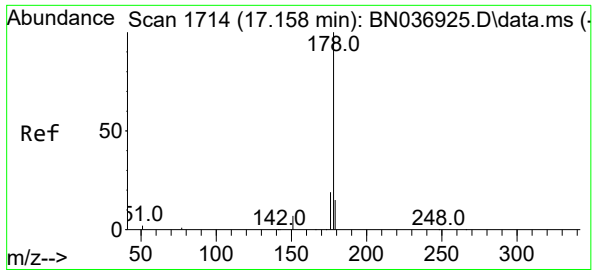
Tgt Ion:188 Resp: 6294
Ion Ratio Lower Upper
188 100
94 0.0 0.0 0.0
80 12.9 10.7 16.1



#25
Phenanthrene
Concen: 79.476 ng
RT: 17.071 min Scan# 1707
Delta R.T. 0.012 min
Lab File: BN036936.D
Acq: 29 Apr 2025 13:05

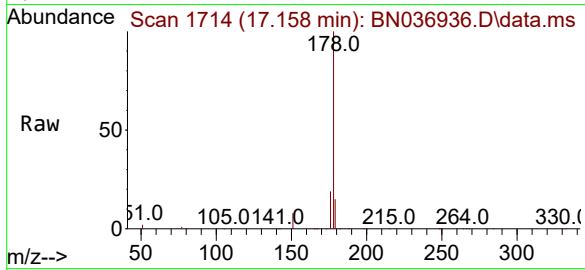
Tgt Ion:178 Resp: 1651033
Ion Ratio Lower Upper
178 100
176 19.7 15.7 23.5
179 15.4 12.4 18.6



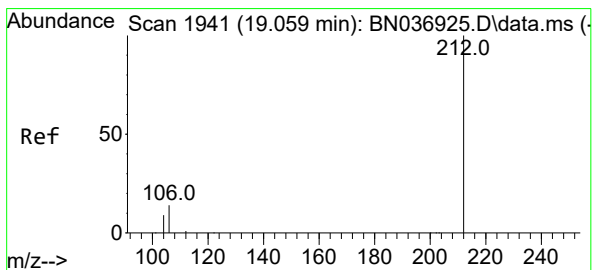
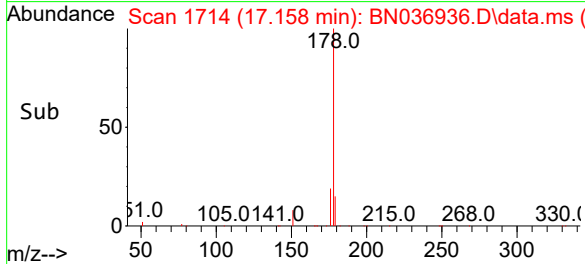
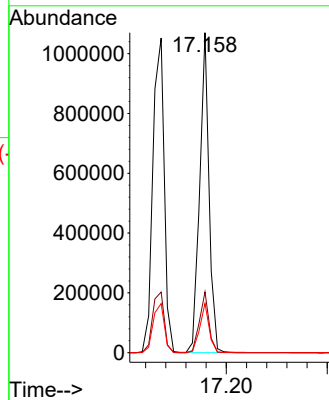


#26
 Anthracene
 Concen: 73.661 ng
 RT: 17.158 min Scan# 1714
 Delta R.T. 0.000 min
 Lab File: BN036936.D
 Acq: 29 Apr 2025 13:05

Instrument :
 BNA_N
 ClientSampleId :
 38072-010925

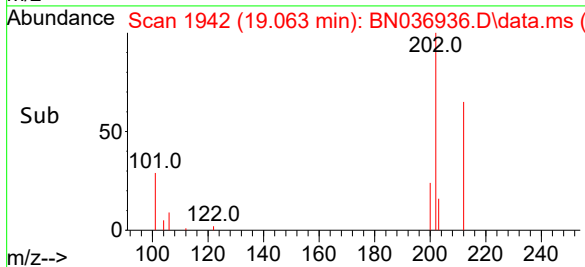
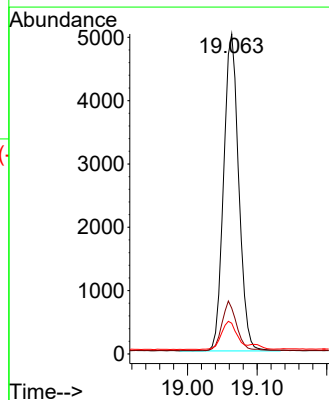
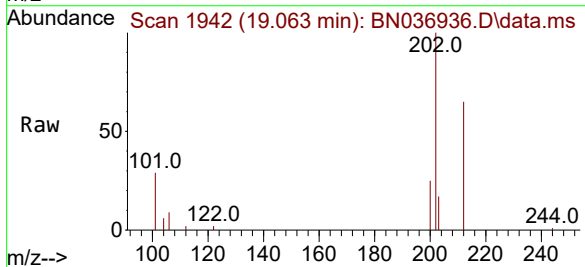


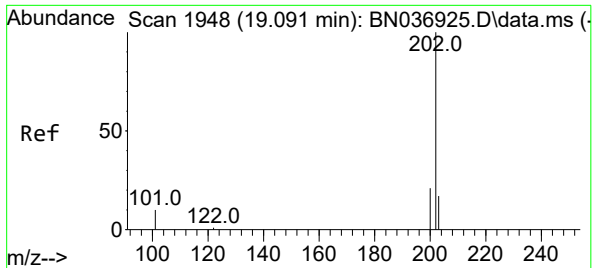
Tgt Ion:178 Resp: 1384185
 Ion Ratio Lower Upper
 178 100
 176 19.2 15.3 22.9
 179 15.3 12.1 18.1



#27
 Fluoranthene-d10
 Concen: 0.462 ng
 RT: 19.063 min Scan# 1942
 Delta R.T. 0.005 min
 Lab File: BN036936.D
 Acq: 29 Apr 2025 13:05

Tgt Ion:212 Resp: 7536
 Ion Ratio Lower Upper
 212 100
 106 15.2 11.6 17.4
 104 9.2 7.0 10.4

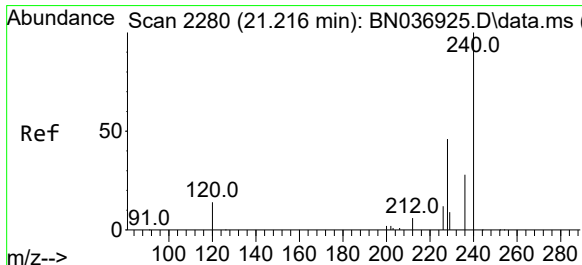
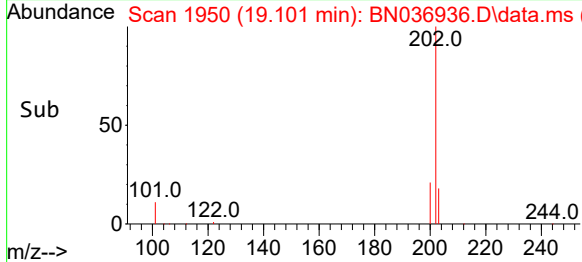
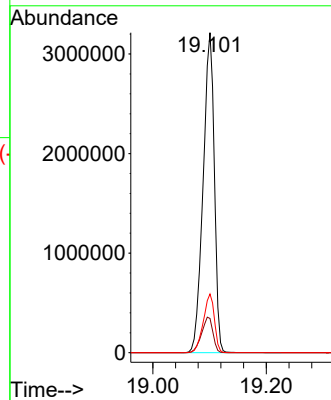
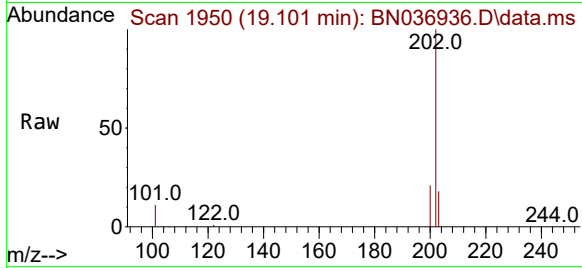




#28
Fluoranthene
Concen: 188.748 ng
RT: 19.101 min Scan# 1948
Delta R.T. 0.009 min
Lab File: BN036936.D
Acq: 29 Apr 2025 13:05

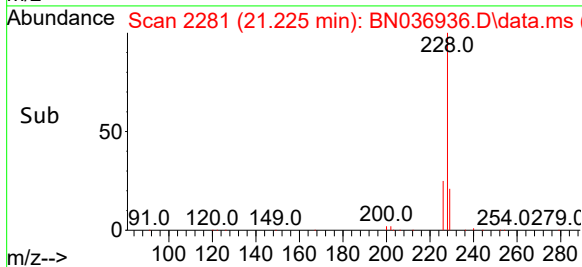
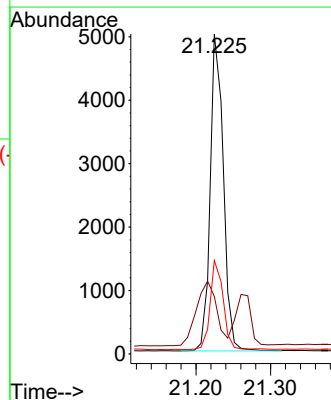
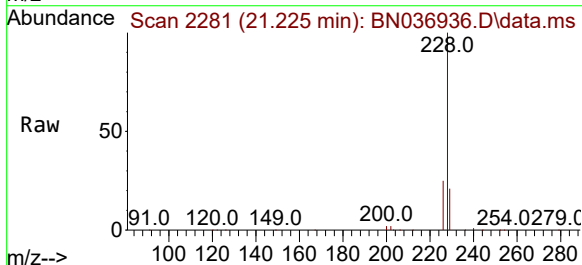
Instrument :
BNA_N
ClientSampleId :
38072-010925

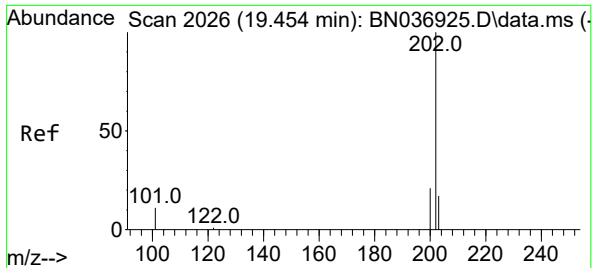
Tgt Ion:202 Resp: 4394407
Ion Ratio Lower Upper
202 100
101 11.3 8.5 12.7
203 18.2 13.7 20.5



#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.225 min Scan# 2281
Delta R.T. 0.009 min
Lab File: BN036936.D
Acq: 29 Apr 2025 13:05

Tgt Ion:240 Resp: 6093
Ion Ratio Lower Upper
240 100
120 18.0 14.1 21.1
236 29.2 23.8 35.8

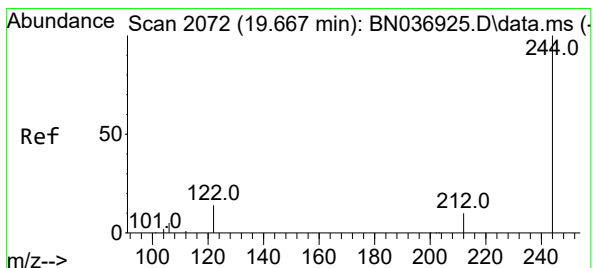
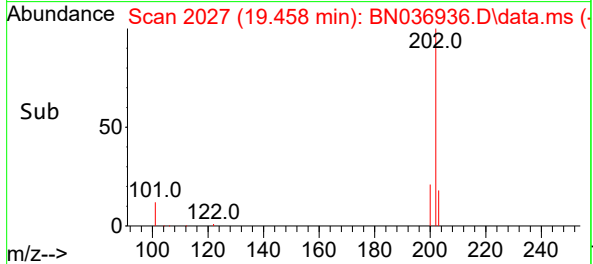
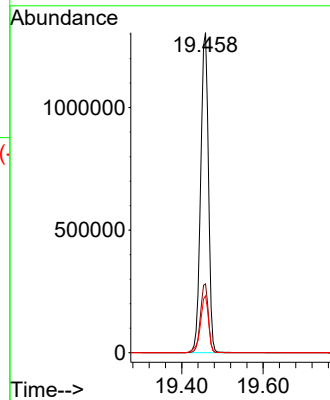
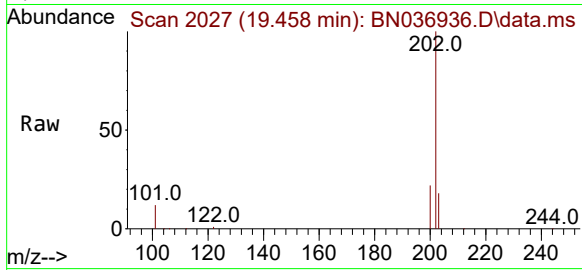




#30
Pyrene
Concen: 58.420 ng
RT: 19.458 min Scan# 2026
Delta R.T. 0.005 min
Lab File: BN036936.D
Acq: 29 Apr 2025 13:05

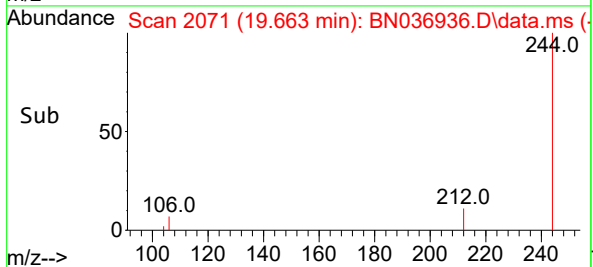
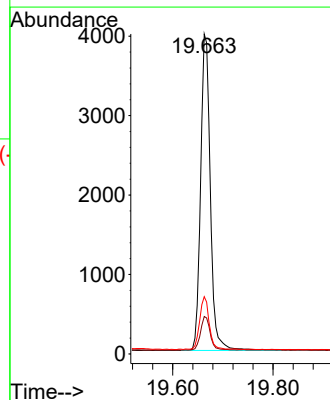
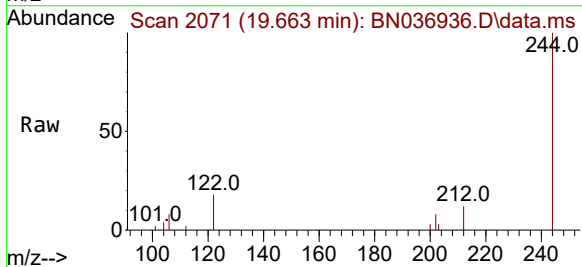
Instrument :
BNA_N
ClientSampleId :
38072-010925

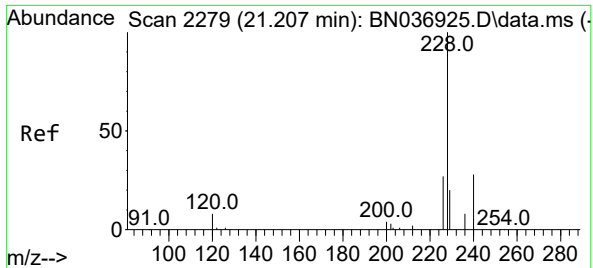
Tgt Ion:202 Resp: 1714365
Ion Ratio Lower Upper
202 100
200 21.7 17.0 25.6
203 18.6 14.0 21.0



#31
Terphenyl-d14
Concen: 0.371 ng
RT: 19.663 min Scan# 2071
Delta R.T. -0.005 min
Lab File: BN036936.D
Acq: 29 Apr 2025 13:05

Tgt Ion:244 Resp: 5329
Ion Ratio Lower Upper
244 100
212 11.7 9.6 14.4
122 17.9 12.7 19.1

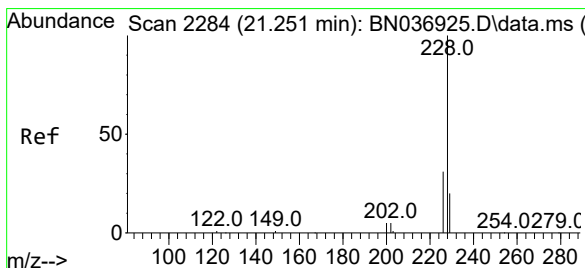
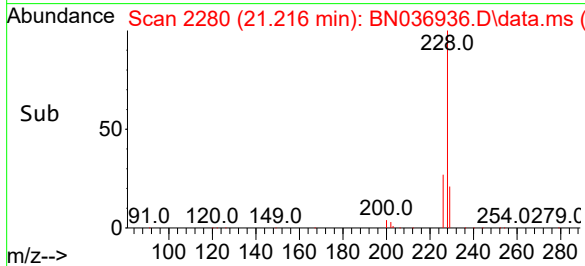
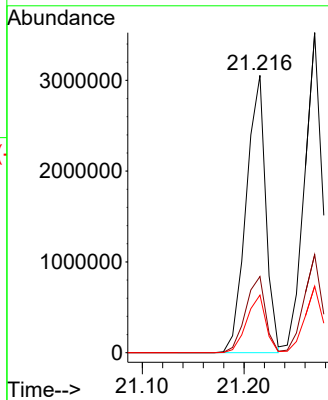
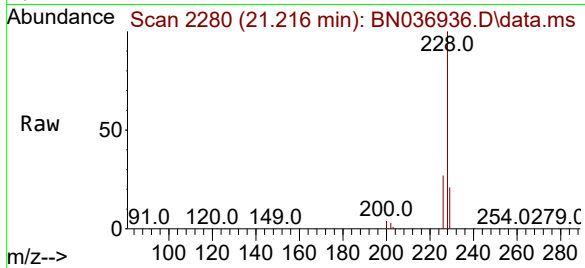




#32
Benzo(a)anthracene
Concen: 181.199 ng
RT: 21.216 min Scan# 2116
Delta R.T. 0.009 min
Lab File: BN036936.D
Acq: 29 Apr 2025 13:05

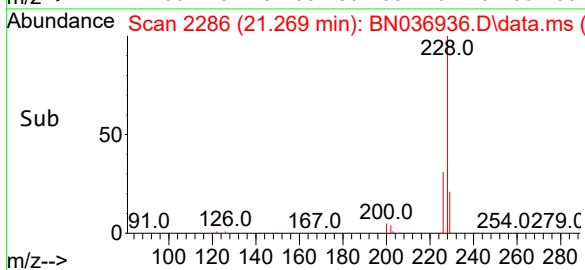
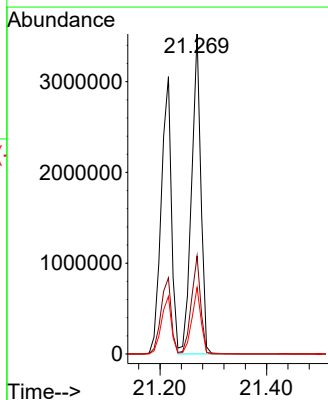
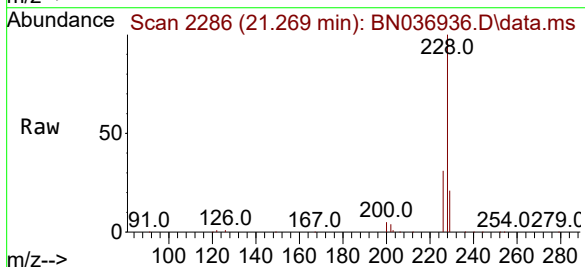
Instrument :
BNA_N
ClientSampleId :
38072-010925

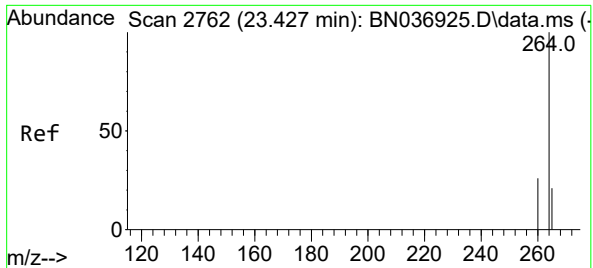
Tgt Ion:228 Resp: 4066087
Ion Ratio Lower Upper
228 100
226 27.5 22.2 33.4
229 20.8 16.4 24.6



#33
Chrysene
Concen: 176.238 ng
RT: 21.269 min Scan# 2286
Delta R.T. 0.018 min
Lab File: BN036936.D
Acq: 29 Apr 2025 13:05

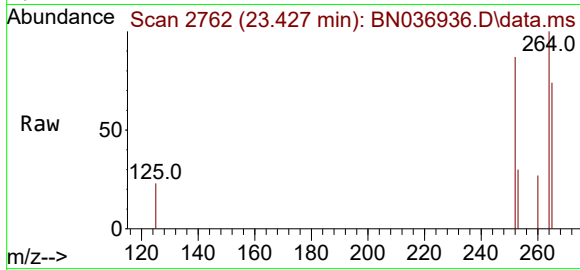
Tgt Ion:228 Resp: 4265016
Ion Ratio Lower Upper
228 100
226 30.7 25.5 38.3
229 20.8 16.5 24.7



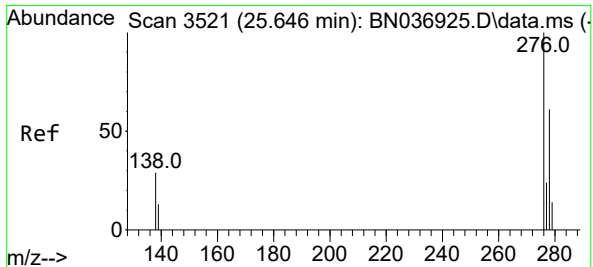
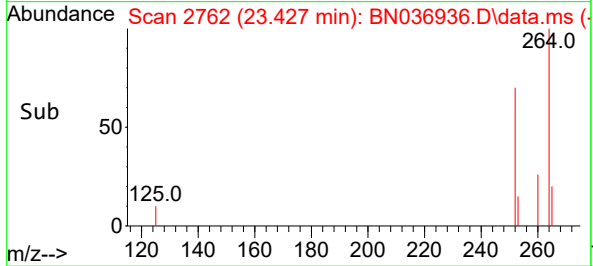
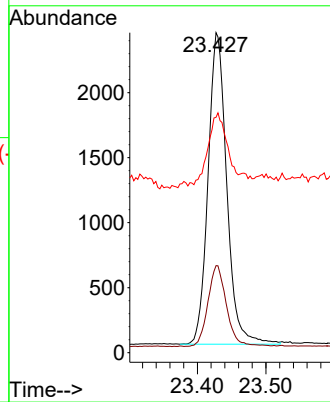


#35
 Perylene-d12
 Concen: 0.400 ng
 RT: 23.427 min Scan# 21
 Delta R.T. 0.000 min
 Lab File: BN036936.D
 Acq: 29 Apr 2025 13:05

Instrument :
 BNA_N
 ClientSampleId :
 38072-010925

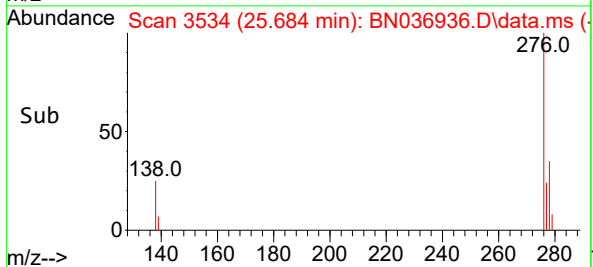
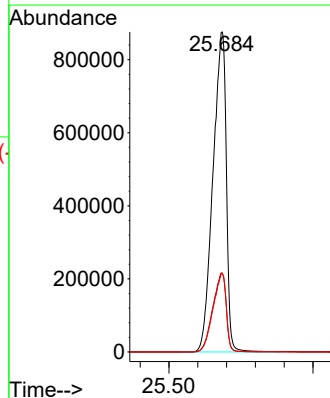
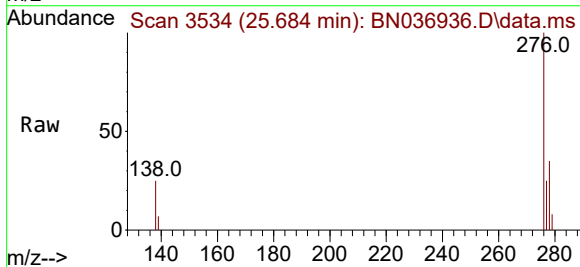


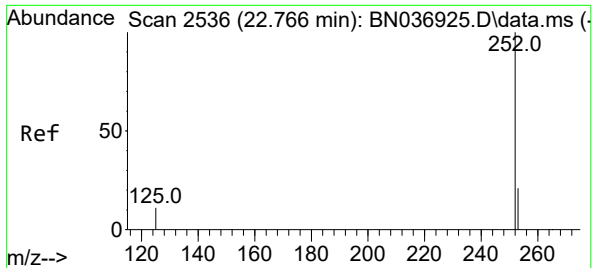
Tgt Ion:264 Resp: 4542
 Ion Ratio Lower Upper
 264 100
 260 27.2 22.2 33.2
 265 73.5 65.8 98.6



#36
 Indeno(1,2,3-cd)pyrene
 Concen: 151.786 ng
 RT: 25.684 min Scan# 3534
 Delta R.T. 0.038 min
 Lab File: BN036936.D
 Acq: 29 Apr 2025 13:05

Tgt Ion:276 Resp: 2815525
 Ion Ratio Lower Upper
 276 100
 138 24.9 23.0 34.6
 277 24.3 20.0 30.0





#37

Benzo(b)fluoranthene

Concen: 138.833 ng

RT: 22.781 min Scan# 2541

Delta R.T. 0.015 min

Lab File: BN036936.D

Acq: 29 Apr 2025 13:05

Instrument :

BNA_N

ClientSampleId :

38072-010925

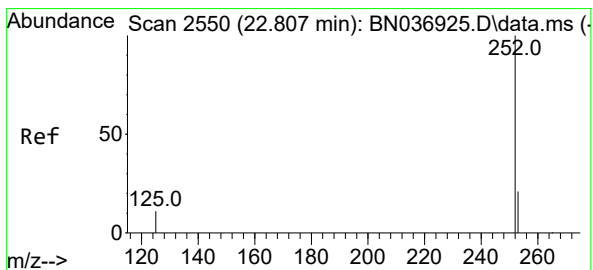
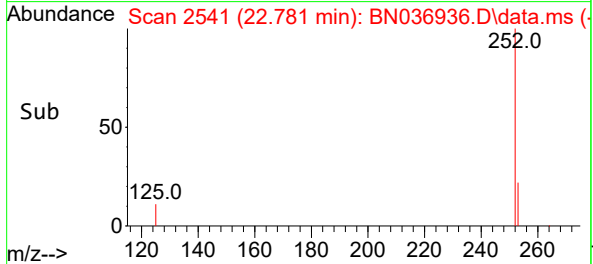
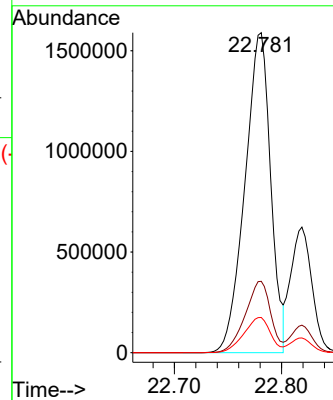
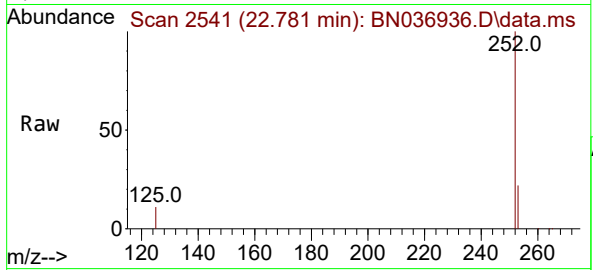
Tgt Ion:252 Resp: 2651471

Ion Ratio Lower Upper

252 100

253 22.3 22.1 33.1

125 11.0 14.2 21.2#



#38

Benzo(k)fluoranthene

Concen: 45.004 ng

RT: 22.819 min Scan# 2554

Delta R.T. 0.012 min

Lab File: BN036936.D

Acq: 29 Apr 2025 13:05

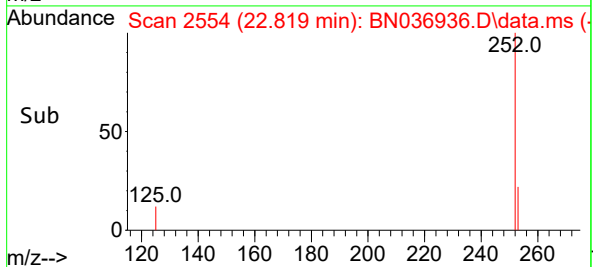
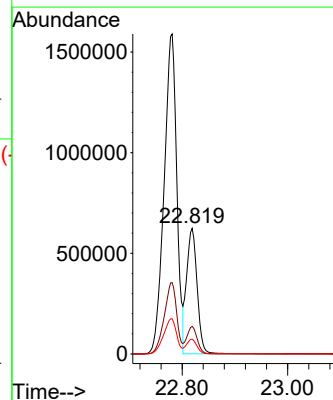
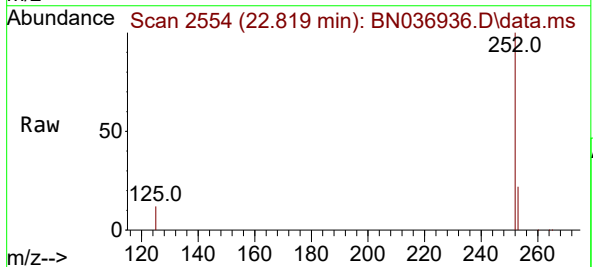
Tgt Ion:252 Resp: 864365

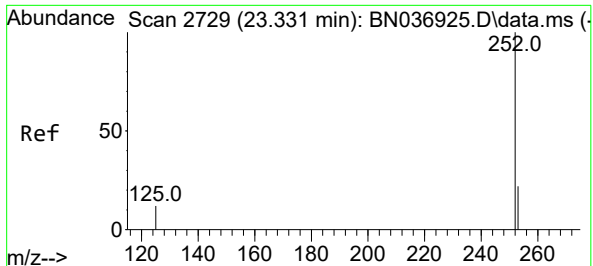
Ion Ratio Lower Upper

252 100

253 21.9 22.8 34.2#

125 11.7 14.2 21.2#





#39

Benzo(a)pyrene

Concen: 89.656 ng

RT: 23.339 min Scan# 21

Delta R.T. 0.009 min

Lab File: BN036936.D

Acq: 29 Apr 2025 13:05

Instrument :

BNA_N

ClientSampleId :

38072-010925

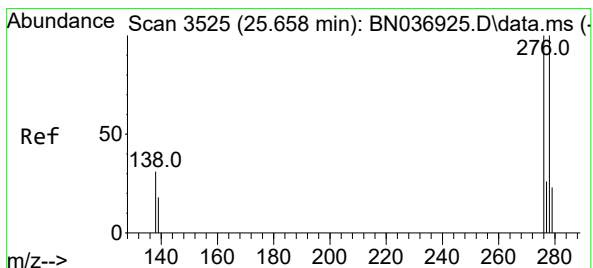
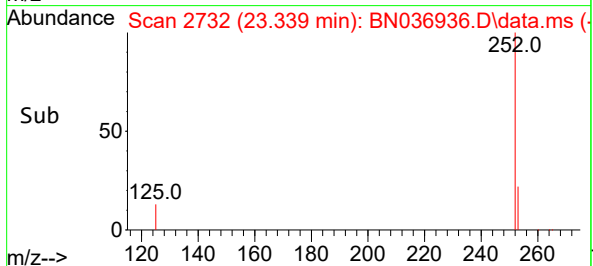
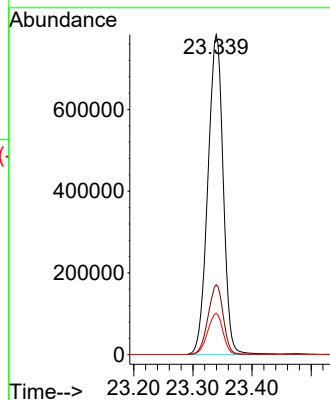
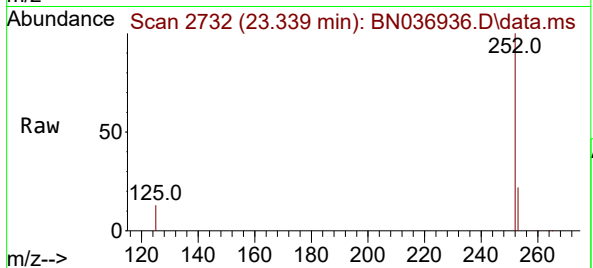
Tgt Ion:252 Resp: 1407542

Ion Ratio Lower Upper

252 100

253 21.9 25.9 38.9#

125 12.9 17.4 26.0#



#40

Dibenzo(a,h)anthracene

Concen: 47.928 ng

RT: 25.684 min Scan# 3534

Delta R.T. 0.026 min

Lab File: BN036936.D

Acq: 29 Apr 2025 13:05

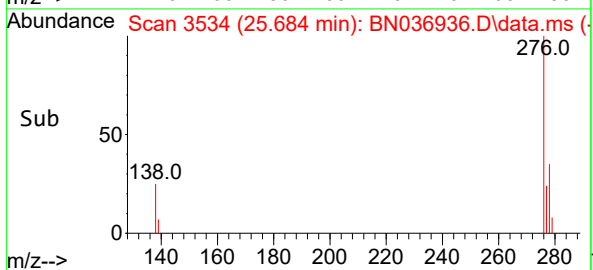
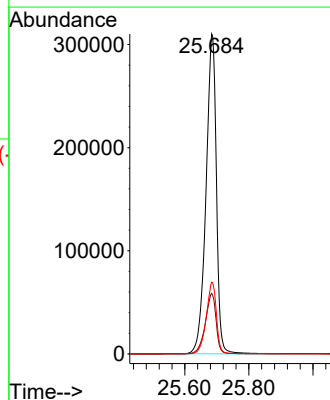
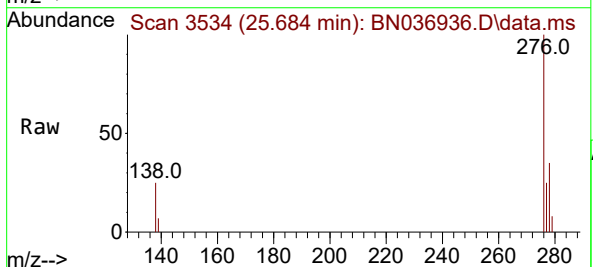
Tgt Ion:278 Resp: 699662

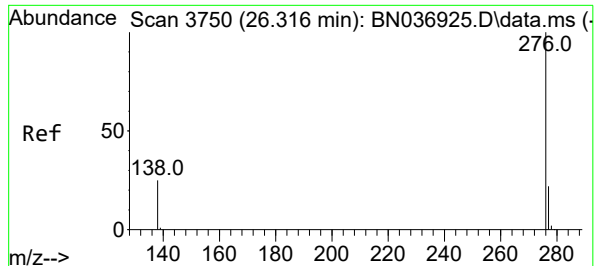
Ion Ratio Lower Upper

278 100

139 19.0 17.4 26.2

279 22.4 24.9 37.3#





#41

Benzo(g,h,i)perylene

Concen: 44.737 ng

RT: 26.336 min Scan# 31

Delta R.T. 0.020 min

Lab File: BN036936.D

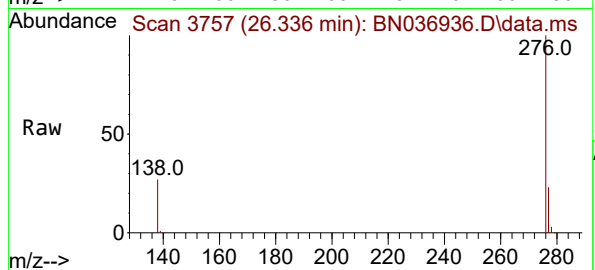
Acq: 29 Apr 2025 13:05

Instrument :

BNA_N

ClientSampleId :

38072-010925



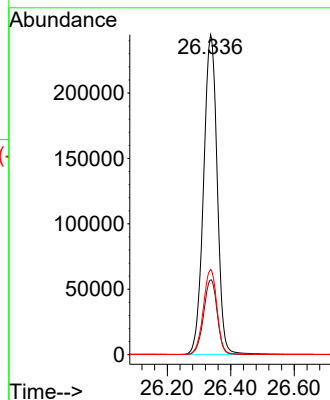
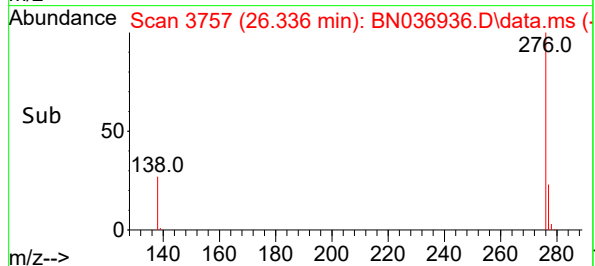
Tgt Ion:276 Resp: 724777

Ion Ratio Lower Upper

276 100

277 23.4 20.2 30.2

138 26.7 21.9 32.9



Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN042925\
 Data File : BN036937.D
 Acq On : 29 Apr 2025 13:41
 Operator : RC/JU
 Sample : Q1870-01DL 5X
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 38072-010925DL

Quant Time: Apr 29 14:14:18 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

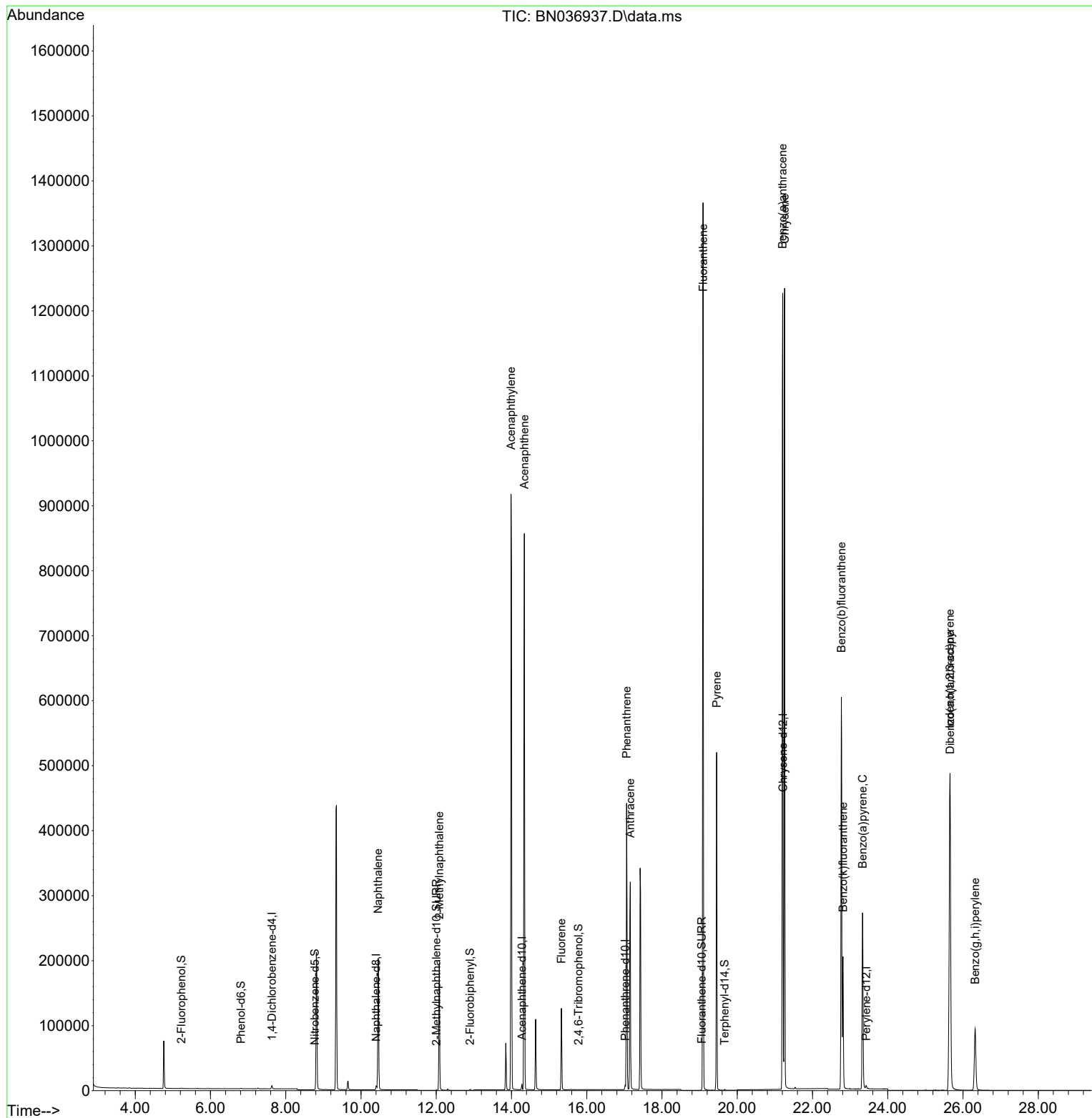
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.633	152	2660	0.400	ng	0.00
7) Naphthalene-d8	10.404	136	7273	0.400	ng	#-0.01
13) Acenaphthene-d10	14.277	164	4170	0.400	ng	0.00
19) Phenanthrene-d10	17.021	188	7996	0.400	ng	0.00
29) Chrysene-d12	21.216	240	7787	0.400	ng	0.00
35) Perylene-d12	23.427	264	5957	0.400	ng	# 0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.228	112	484	0.071	ng	0.00
5) Phenol-d6	6.809	99	596	0.071	ng	0.00
8) Nitrobenzene-d5	8.771	82	638	0.084	ng	-0.01
11) 2-Methylnaphthalene-d10	12.006	152	840	0.083	ng	0.00
14) 2,4,6-Tribromophenol	15.780	330	80	0.043	ng	0.01
15) 2-Fluorobiphenyl	12.899	172	1634	0.081	ng	0.00
27) Fluoranthene-d10	19.059	212	1819	0.088	ng	0.00
31) Terphenyl-d14	19.667	244	1294	0.070	ng	0.00
Target Compounds						
9) Naphthalene	10.458	128	245146	11.581	ng	97
12) 2-Methylnaphthalene	12.082	142	135057	9.870	ng	97
16) Acenaphthylene	13.989	152	983461	48.255	ng	99
17) Acenaphthene	14.342	154	392189	29.289	ng	97
18) Fluorene	15.325	166	71886	4.105	ng	99
25) Phenanthrene	17.058	178	419564	15.898	ng	100
26) Anthracene	17.158	178	344832	14.445	ng	100
28) Fluoranthene	19.091	202	1164278	39.363	ng	99
30) Pyrene	19.454	202	435369	11.609	ng	99
32) Benzo(a)anthracene	21.207	228	1030872	35.945	ng	99
33) Chrysene	21.260	228	1043139	33.727	ng	97
36) Indeno(1,2,3-cd)pyrene	25.652	276	739011	30.377	ng	97
37) Benzo(b)fluoranthene	22.766	252	710014	28.346	ng	# 88
38) Benzo(k)fluoranthene	22.810	252	229443	9.109	ng	# 87
39) Benzo(a)pyrene	23.331	252	364004	17.678	ng	# 81
40) Dibenzo(a,h)anthracene	25.661	278	178329	9.314	ng	# 90
41) Benzo(g,h,i)perylene	26.322	276	179719	8.458	ng	98

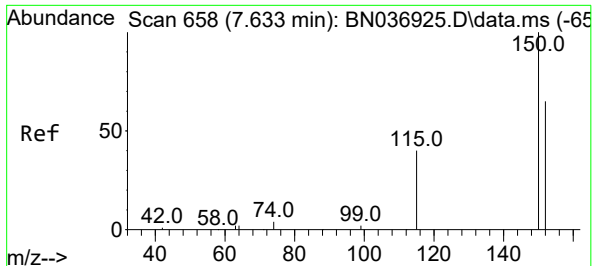
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN042925\
Data File : BN036937.D
Acq On : 29 Apr 2025 13:41
Operator : RC/JU
Sample : Q1870-01DL 5X
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
38072-010925DL

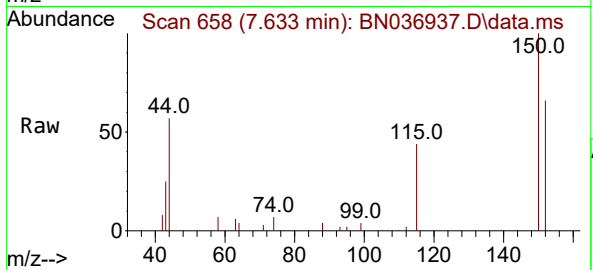
Quant Time: Apr 29 14:14:18 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN042825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Apr 28 15:35:03 2025
Response via : Initial Calibration



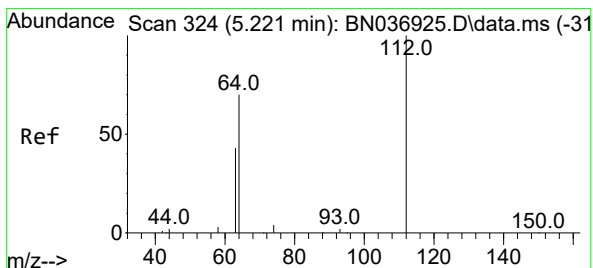
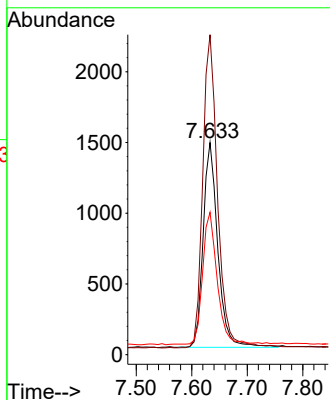
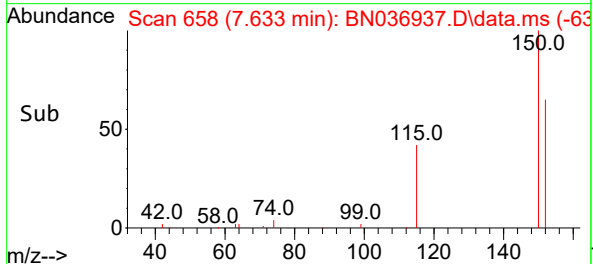


#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.633 min Scan# 61
Delta R.T. -0.000 min
Lab File: BN036937.D
Acq: 29 Apr 2025 13:41

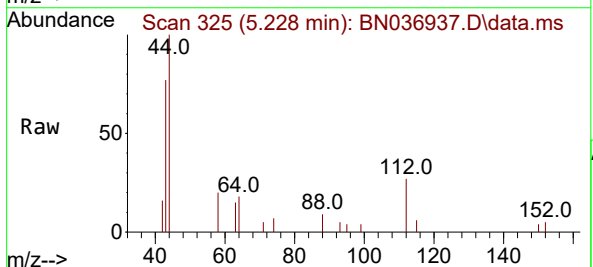
Instrument :
BNA_N
ClientSampleId :
38072-010925DL



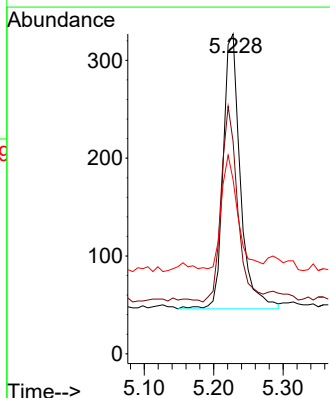
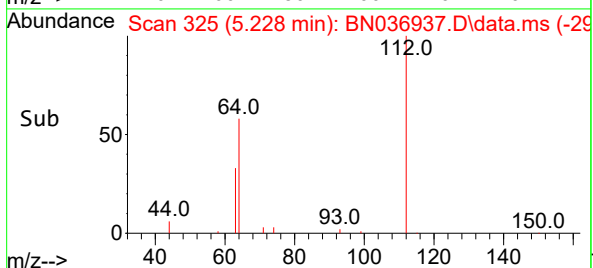
Tgt Ion:152 Resp: 2660
Ion Ratio Lower Upper
152 100
150 150.8 121.1 181.7
115 67.1 51.8 77.6

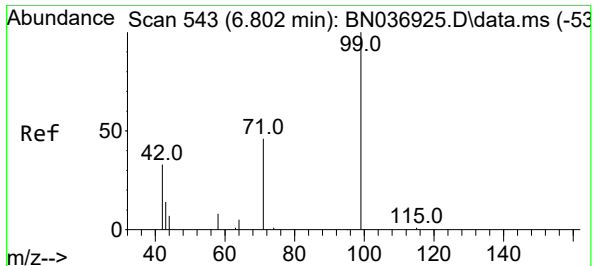


#4
2-Fluorophenol
Concen: 0.071 ng
RT: 5.228 min Scan# 325
Delta R.T. 0.007 min
Lab File: BN036937.D
Acq: 29 Apr 2025 13:41



Tgt Ion:112 Resp: 484
Ion Ratio Lower Upper
112 100
64 68.4 55.7 83.5
63 42.4 33.9 50.9

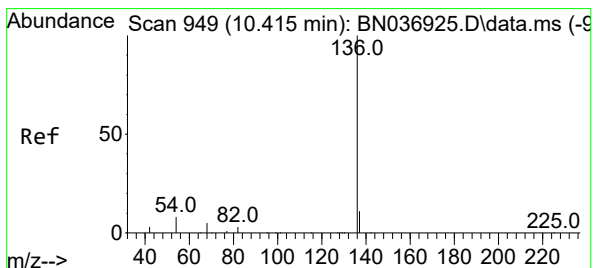
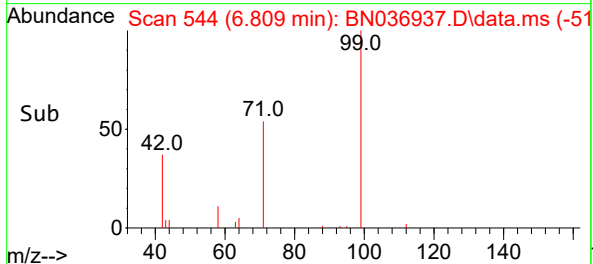
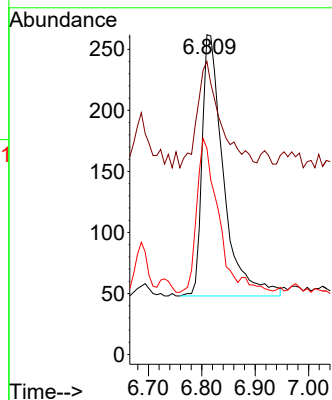
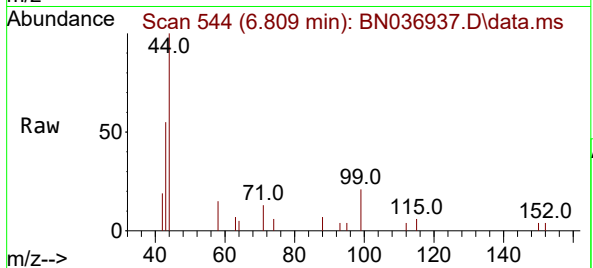




#5
Phenol-d6
Concen: 0.071 ng
RT: 6.809 min Scan# 543
Delta R.T. 0.007 min
Lab File: BN036937.D
Acq: 29 Apr 2025 13:41

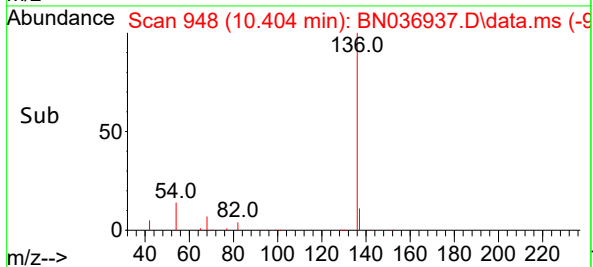
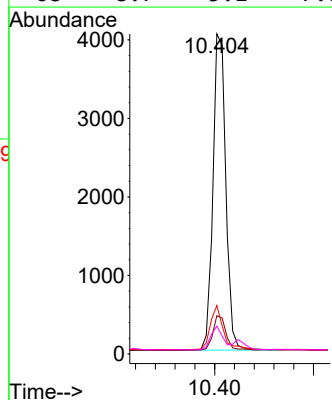
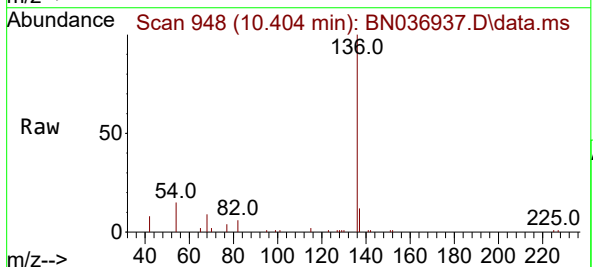
Instrument :
BNA_N
ClientSampleId :
38072-010925DL

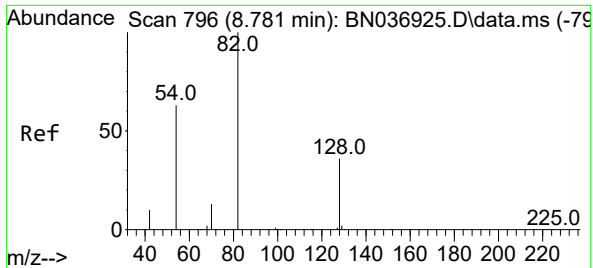
Tgt Ion	Ratio	Lower	Upper
99	100		
42	44.6	29.6	44.4#
71	56.0	36.0	54.0#



#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.404 min Scan# 948
Delta R.T. -0.011 min
Lab File: BN036937.D
Acq: 29 Apr 2025 13:41

Tgt Ion	Ratio	Lower	Upper
136	100		
137	11.9	9.7	14.5
54	15.1	8.0	12.0#
68	8.7	5.1	7.7#

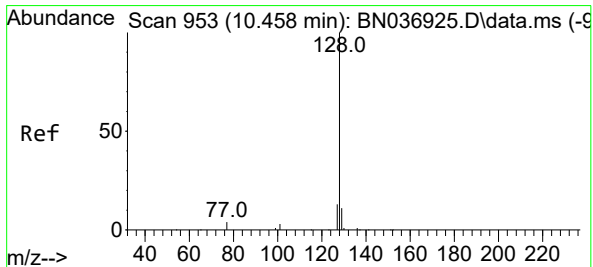
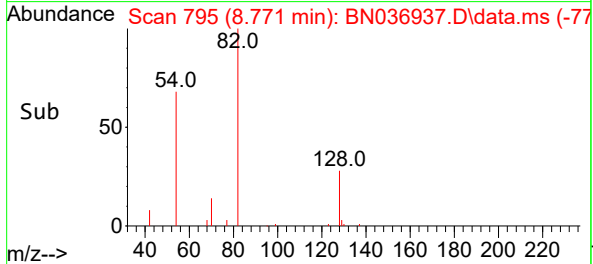
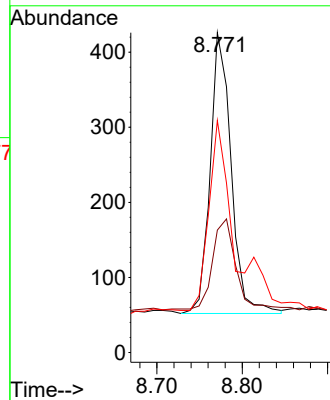
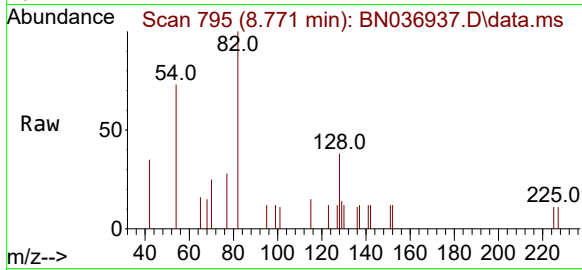




#8
Nitrobenzene-d5
Concen: 0.084 ng
RT: 8.771 min Scan# 796
Delta R.T. -0.011 min
Lab File: BN036937.D
Acq: 29 Apr 2025 13:41

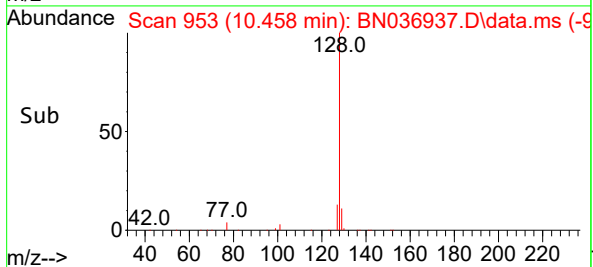
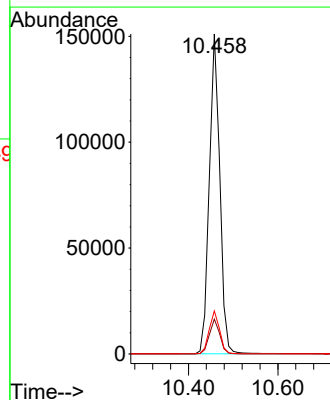
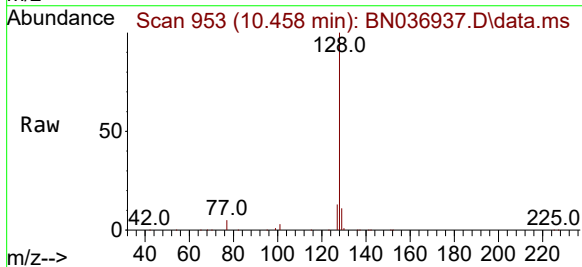
Instrument :
BNA_N
ClientSampleId :
38072-010925DL

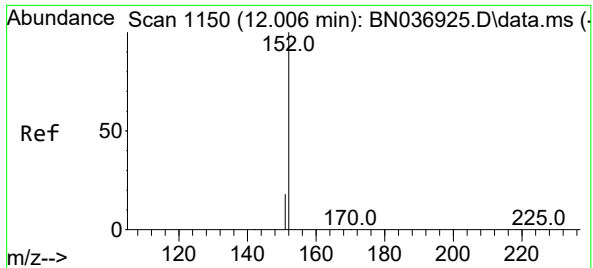
Tgt Ion:	82	Resp:	638
Ion	Ratio	Lower	Upper
82	100		
128	38.3	30.7	46.1
54	72.5	52.1	78.1



#9
Naphthalene
Concen: 11.581 ng
RT: 10.458 min Scan# 953
Delta R.T. 0.000 min
Lab File: BN036937.D
Acq: 29 Apr 2025 13:41

Tgt Ion:	128	Resp:	245146
Ion	Ratio	Lower	Upper
128	100		
129	10.9	9.8	14.6
127	13.5	11.4	17.2

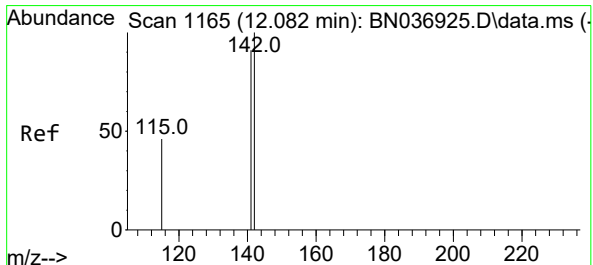
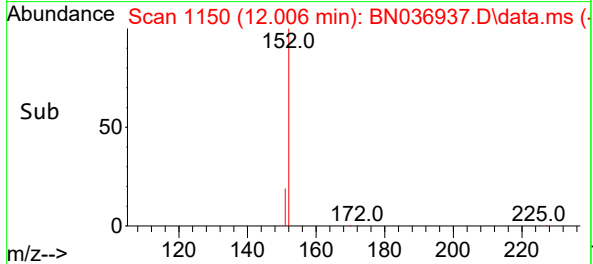
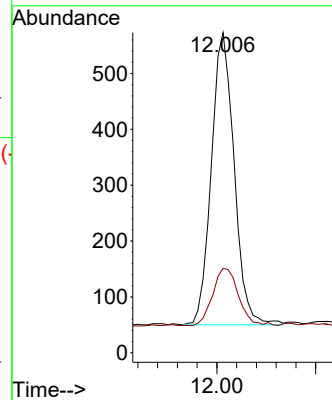
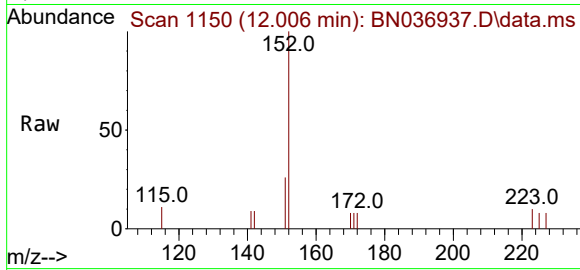




#11
2-Methylnaphthalene-d10
Concen: 0.083 ng
RT: 12.006 min Scan# 1150
Delta R.T. 0.000 min
Lab File: BN036937.D
Acq: 29 Apr 2025 13:41

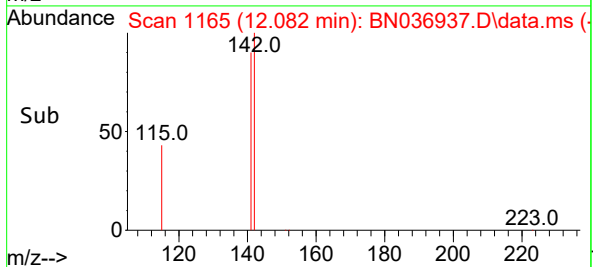
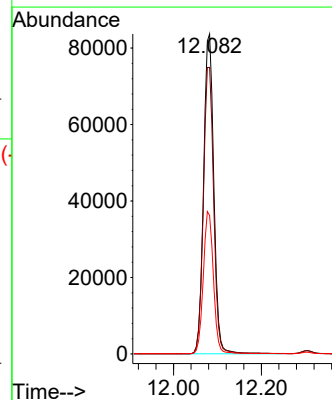
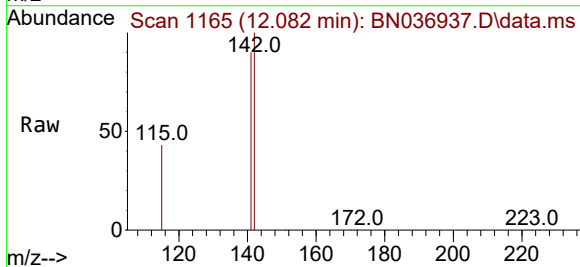
Instrument :
BNA_N
ClientSampleId :
38072-010925DL

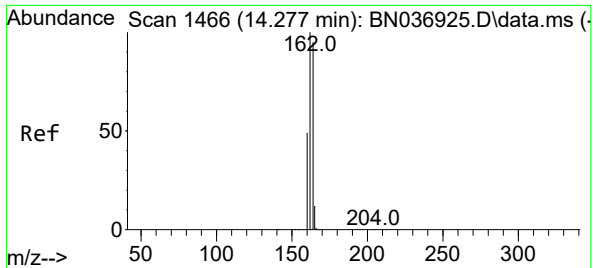
Tgt Ion:152 Resp: 840
Ion Ratio Lower Upper
152 100
151 21.9 16.9 25.3



#12
2-Methylnaphthalene
Concen: 9.870 ng
RT: 12.082 min Scan# 1165
Delta R.T. 0.000 min
Lab File: BN036937.D
Acq: 29 Apr 2025 13:41

Tgt Ion:142 Resp: 135057
Ion Ratio Lower Upper
142 100
141 89.5 72.8 109.2
115 43.3 38.2 57.4

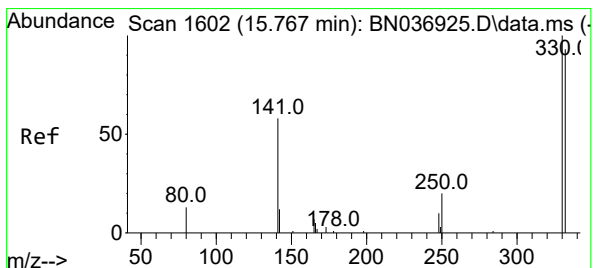
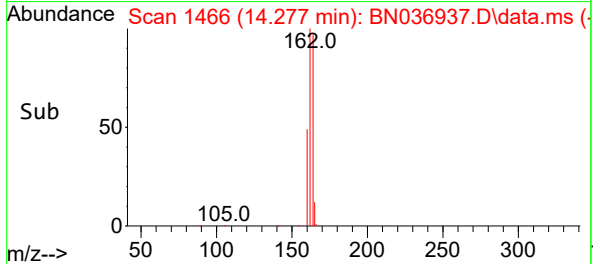
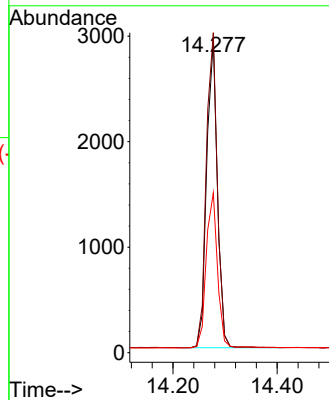
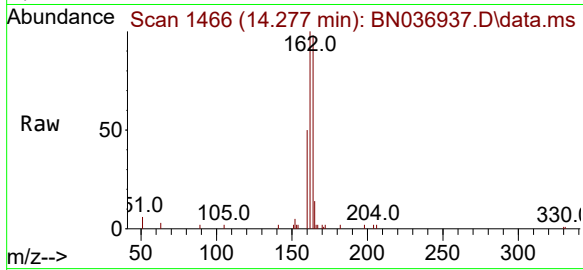




#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.277 min Scan# 1466
Delta R.T. 0.000 min
Lab File: BN036937.D
Acq: 29 Apr 2025 13:41

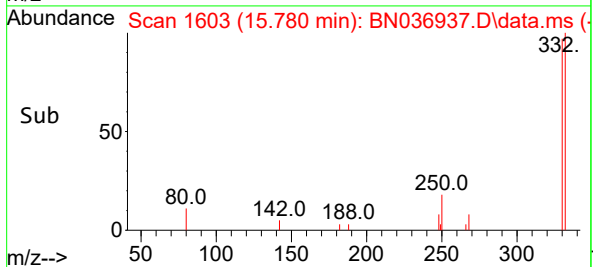
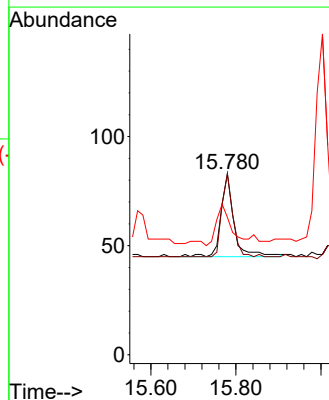
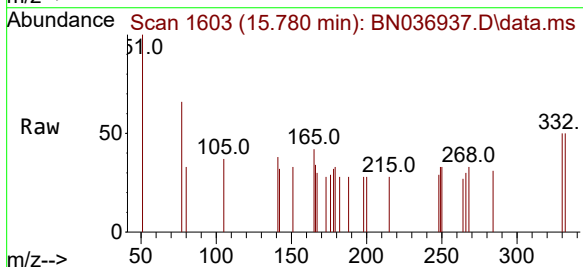
Instrument :
BNA_N
ClientSampleId :
38072-010925DL

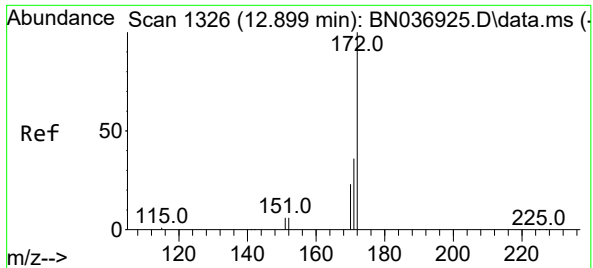
Tgt Ion:164 Resp: 4170
Ion Ratio Lower Upper
164 100
162 102.5 83.8 125.8
160 51.2 42.0 63.0



#14
2,4,6-Tribromophenol
Concen: 0.043 ng
RT: 15.780 min Scan# 1603
Delta R.T. 0.012 min
Lab File: BN036937.D
Acq: 29 Apr 2025 13:41

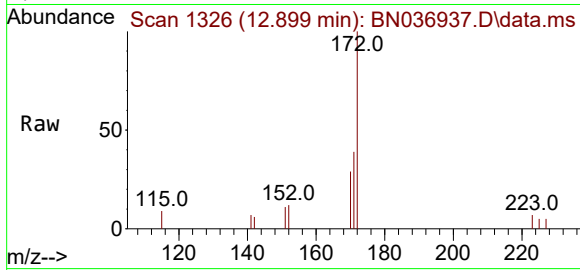
Tgt Ion:330 Resp: 80
Ion Ratio Lower Upper
330 100
332 86.3 76.3 114.5
141 55.0 45.4 68.2



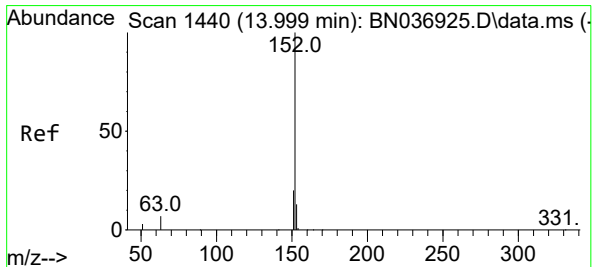
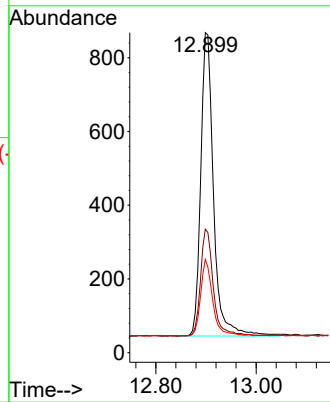
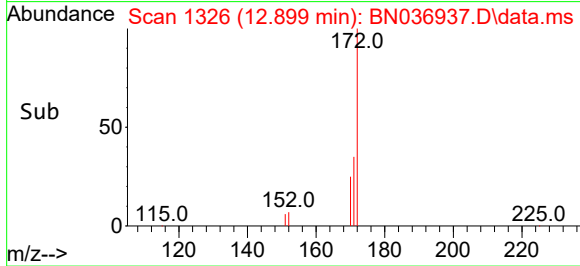


#15
2-Fluorobiphenyl
Concen: 0.081 ng
RT: 12.899 min Scan# 1439
Delta R.T. 0.000 min
Lab File: BN036937.D
Acq: 29 Apr 2025 13:41

Instrument :
BNA_N
ClientSampleId :
38072-010925DL

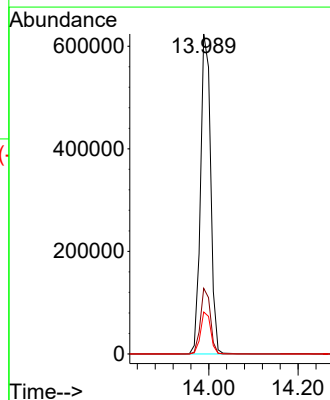
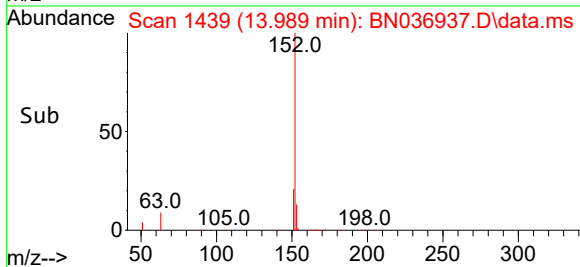
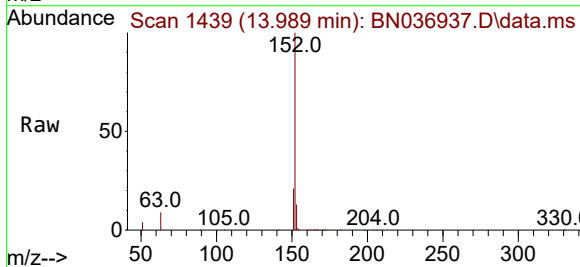


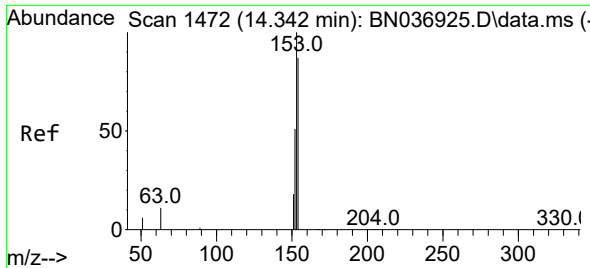
Tgt Ion:172 Resp: 1634
Ion Ratio Lower Upper
172 100
171 38.6 29.4 44.0
170 29.1 19.4 29.0#



#16
Acenaphthylene
Concen: 48.255 ng
RT: 13.989 min Scan# 1439
Delta R.T. -0.011 min
Lab File: BN036937.D
Acq: 29 Apr 2025 13:41

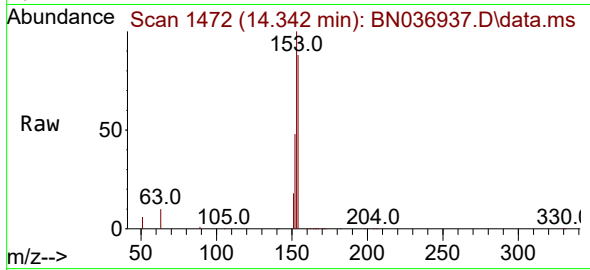
Tgt Ion:152 Resp: 983461
Ion Ratio Lower Upper
152 100
151 20.2 16.0 24.0
153 13.1 10.2 15.2



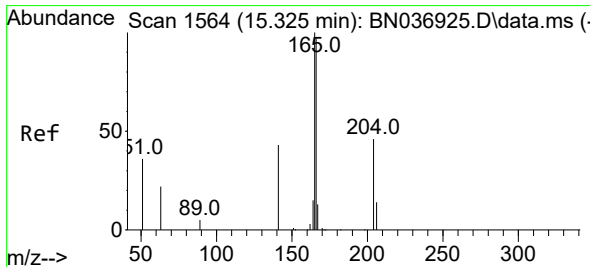
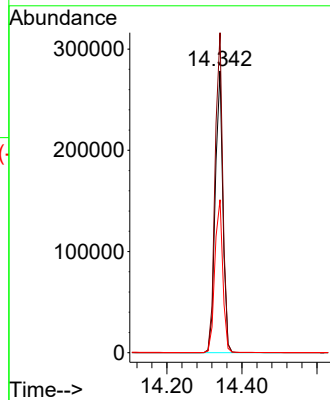
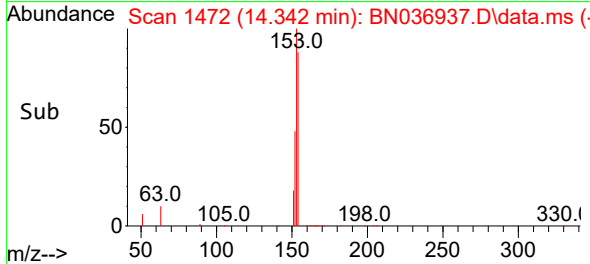


#17
Acenaphthene
Concen: 29.289 ng
RT: 14.342 min Scan# 1472
Delta R.T. 0.000 min
Lab File: BN036937.D
Acq: 29 Apr 2025 13:41

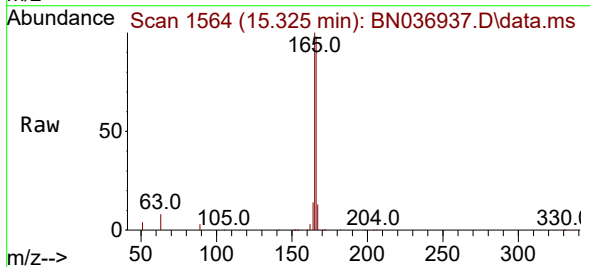
Instrument :
BNA_N
ClientSampleId :
38072-010925DL



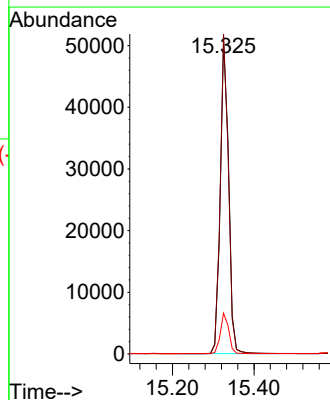
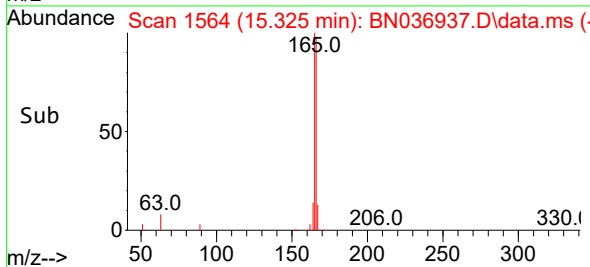
Tgt Ion:154 Resp: 392189
Ion Ratio Lower Upper
154 100
153 115.3 93.4 140.2
152 56.6 49.5 74.3

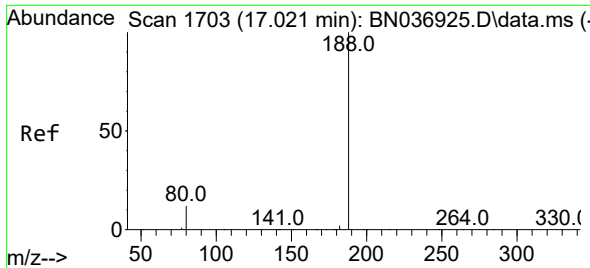


#18
Fluorene
Concen: 4.105 ng
RT: 15.325 min Scan# 1564
Delta R.T. 0.000 min
Lab File: BN036937.D
Acq: 29 Apr 2025 13:41



Tgt Ion:166 Resp: 71886
Ion Ratio Lower Upper
166 100
165 100.5 80.8 121.2
167 13.1 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: BN036937.D

Acq: 29 Apr 2025 13:41

Instrument :

BNA_N

ClientSampleId :

38072-010925DL

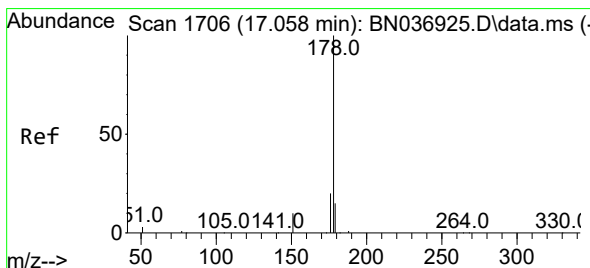
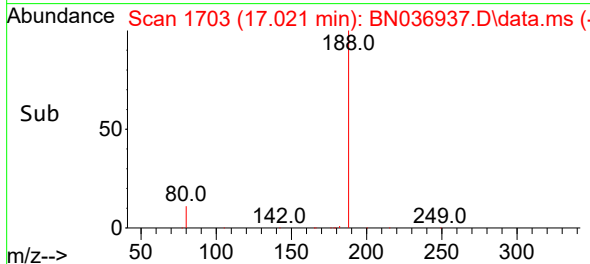
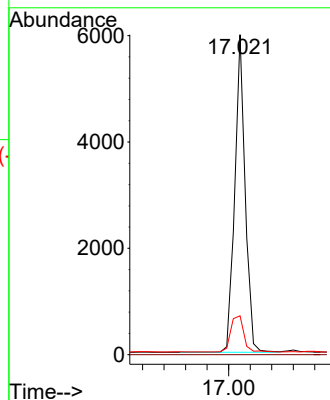
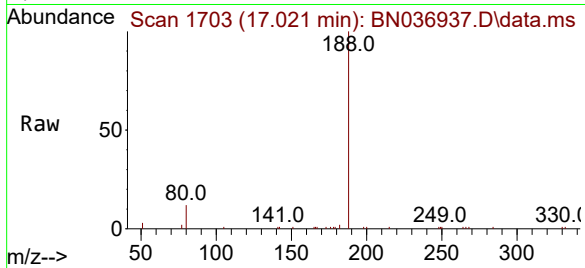
Tgt Ion:188 Resp: 7996

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

80 12.2 10.7 16.1



#25

Phenanthrene

Concen: 15.898 ng

RT: 17.058 min Scan# 1706

Delta R.T. 0.000 min

Lab File: BN036937.D

Acq: 29 Apr 2025 13:41

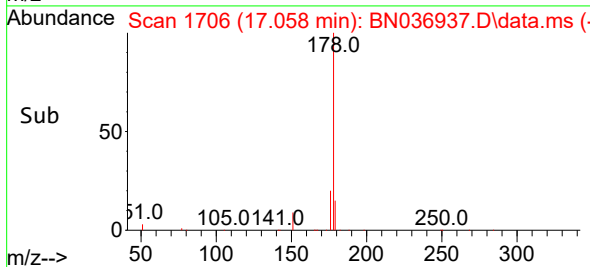
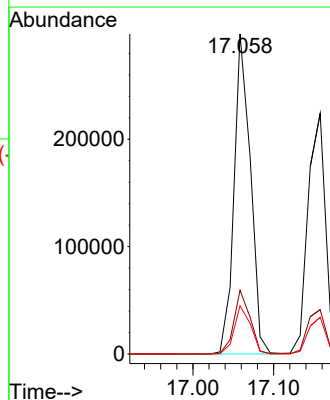
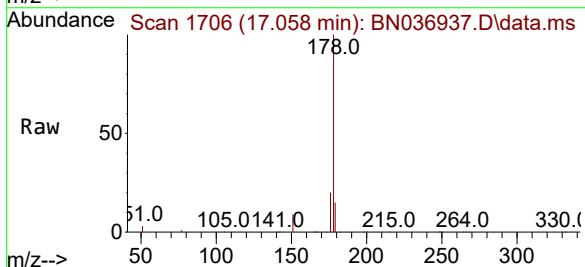
Tgt Ion:178 Resp: 419564

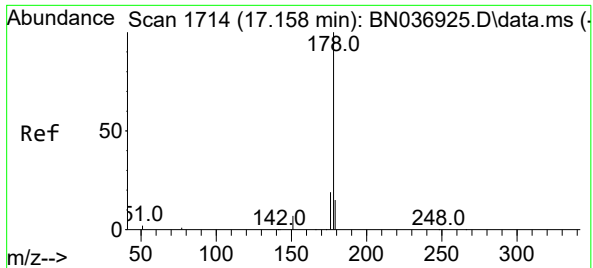
Ion Ratio Lower Upper

178 100

176 19.6 15.7 23.5

179 15.2 12.4 18.6

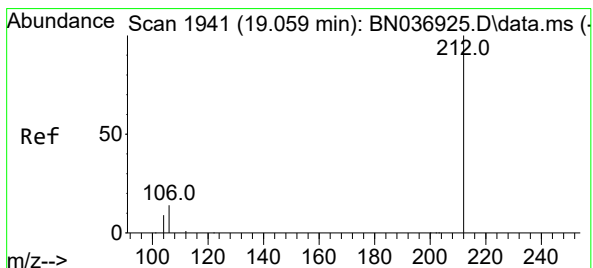
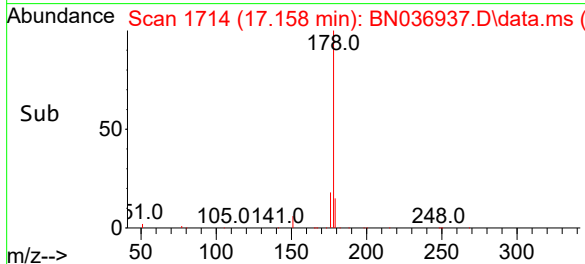
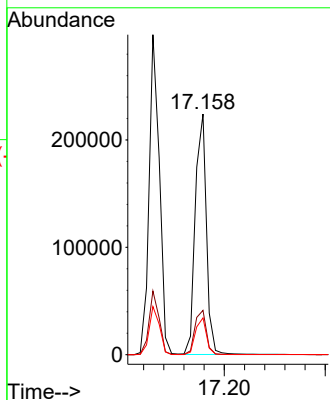
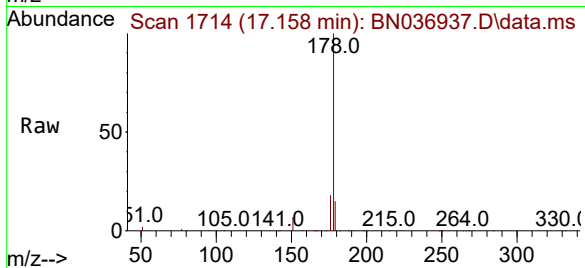




#26
Anthracene
Concen: 14.445 ng
RT: 17.158 min Scan# 1714
Delta R.T. 0.000 min
Lab File: BN036937.D
Acq: 29 Apr 2025 13:41

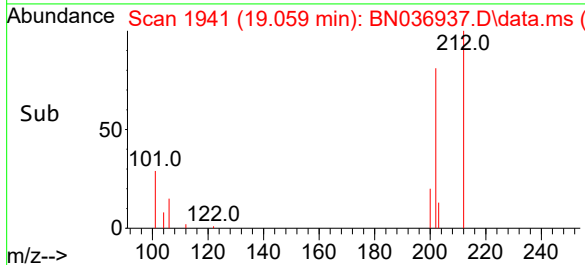
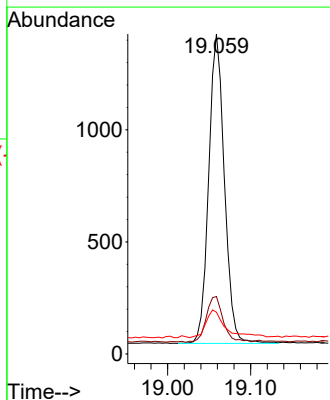
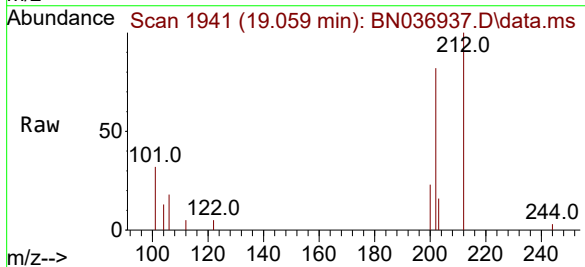
Instrument :
BNA_N
ClientSampleId :
38072-010925DL

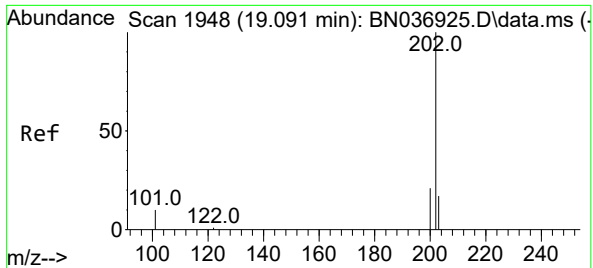
Tgt Ion:178 Resp: 344832
Ion Ratio Lower Upper
178 100
176 19.0 15.3 22.9
179 15.1 12.1 18.1



#27
Fluoranthene-d10
Concen: 0.088 ng
RT: 19.059 min Scan# 1941
Delta R.T. 0.000 min
Lab File: BN036937.D
Acq: 29 Apr 2025 13:41

Tgt Ion:212 Resp: 1819
Ion Ratio Lower Upper
212 100
106 15.9 11.6 17.4
104 11.4 7.0 10.4#

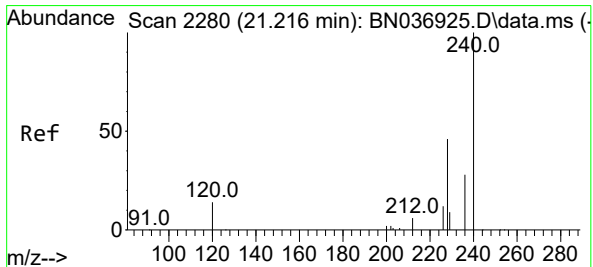
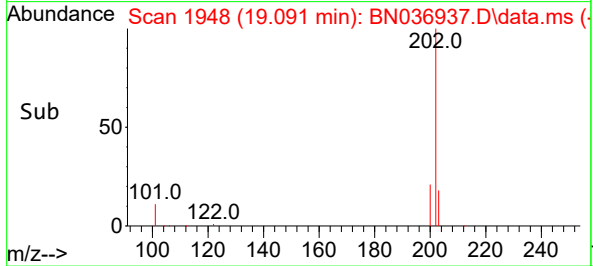
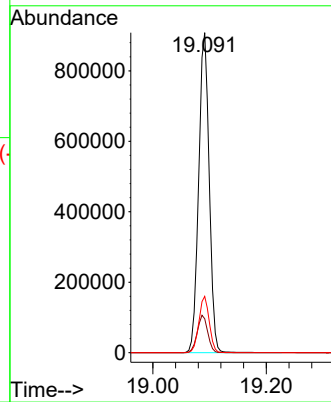
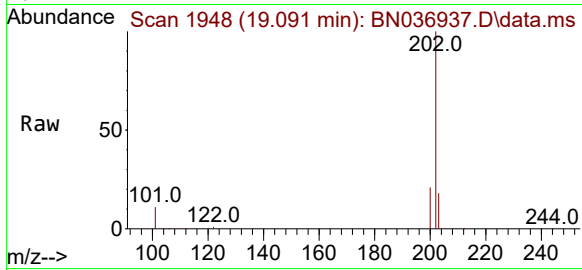




#28
Fluoranthene
Concen: 39.363 ng
RT: 19.091 min Scan# 1948
Delta R.T. 0.000 min
Lab File: BN036937.D
Acq: 29 Apr 2025 13:41

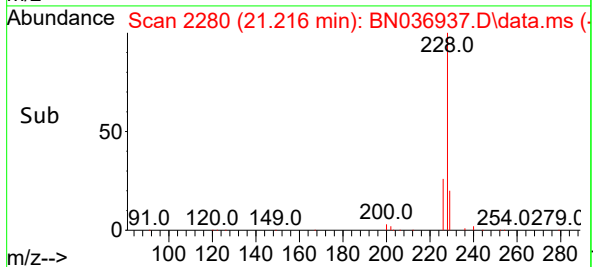
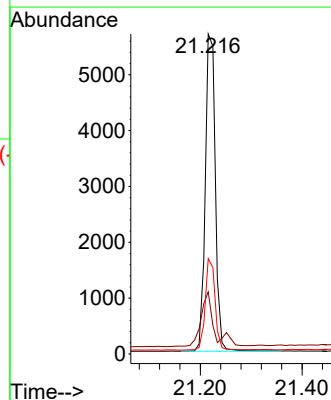
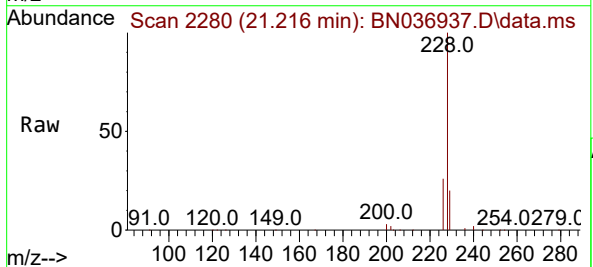
Instrument :
BNA_N
ClientSampleId :
38072-010925DL

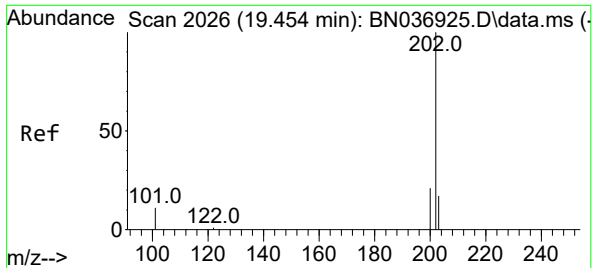
Tgt Ion:202 Resp: 1164278
Ion Ratio Lower Upper
202 100
101 11.6 8.5 12.7
203 17.4 13.7 20.5



#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.216 min Scan# 2280
Delta R.T. 0.000 min
Lab File: BN036937.D
Acq: 29 Apr 2025 13:41

Tgt Ion:240 Resp: 7787
Ion Ratio Lower Upper
240 100
120 19.4 14.1 21.1
236 29.8 23.8 35.8

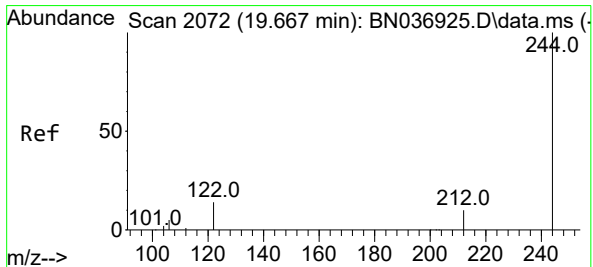
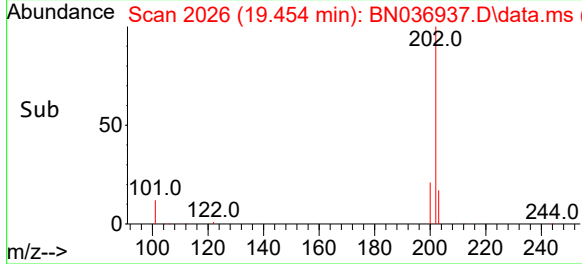
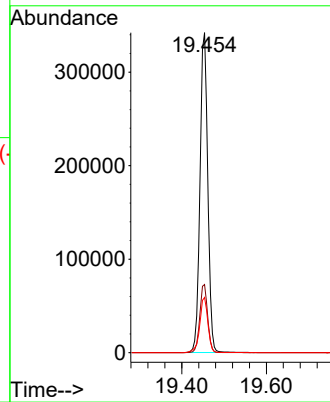
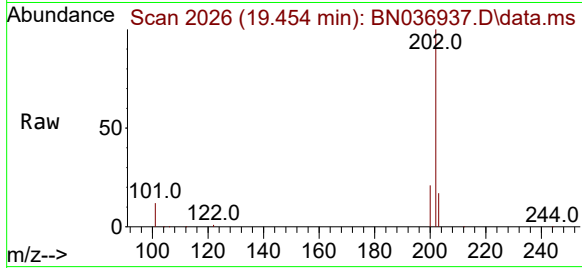




#30
Pyrene
Concen: 11.609 ng
RT: 19.454 min Scan# 2026
Delta R.T. 0.000 min
Lab File: BN036937.D
Acq: 29 Apr 2025 13:41

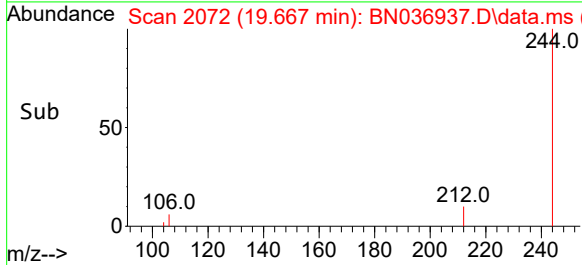
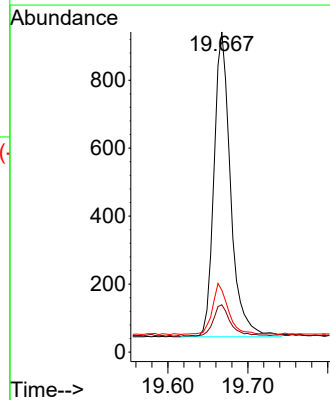
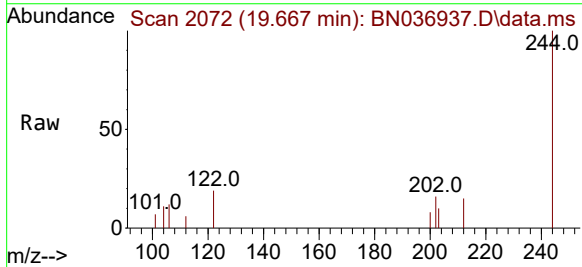
Instrument :
BNA_N
ClientSampleId :
38072-010925DL

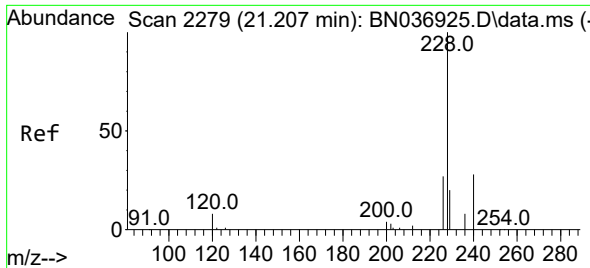
Tgt Ion:202 Resp: 435369
Ion Ratio Lower Upper
202 100
200 21.5 17.0 25.6
203 18.1 14.0 21.0



#31
Terphenyl-d14
Concen: 0.070 ng
RT: 19.667 min Scan# 2072
Delta R.T. 0.000 min
Lab File: BN036937.D
Acq: 29 Apr 2025 13:41

Tgt Ion:244 Resp: 1294
Ion Ratio Lower Upper
244 100
212 14.8 9.6 14.4#
122 19.3 12.7 19.1#

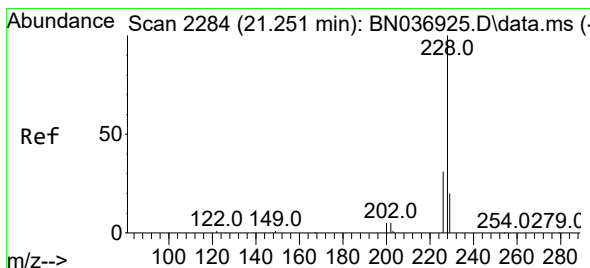
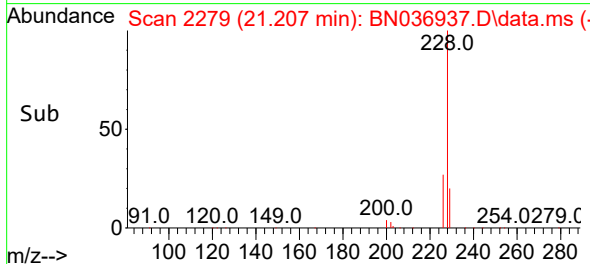
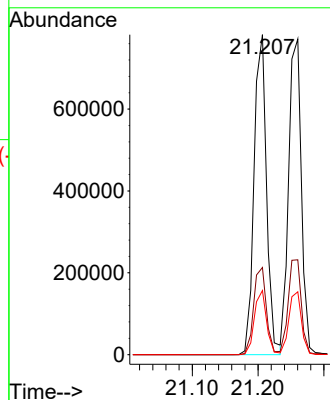
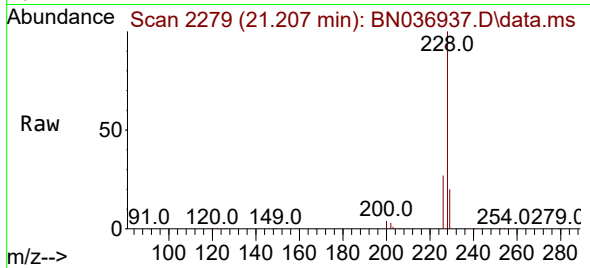




#32
Benzo(a)anthracene
Concen: 35.945 ng
RT: 21.207 min Scan# 2128
Delta R.T. 0.000 min
Lab File: BN036937.D
Acq: 29 Apr 2025 13:41

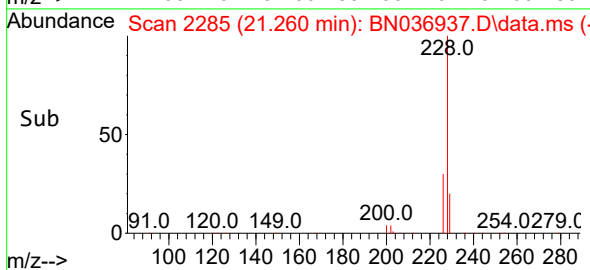
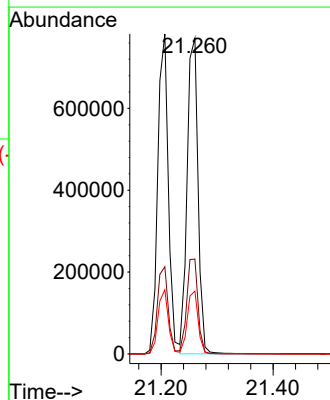
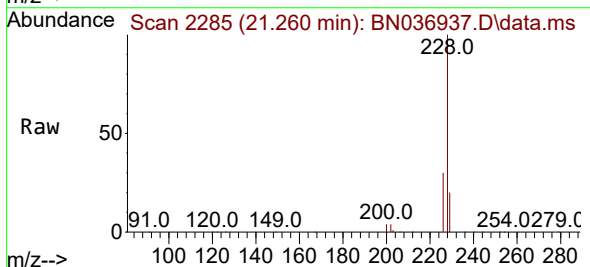
Instrument :
BNA_N
ClientSampleId :
38072-010925DL

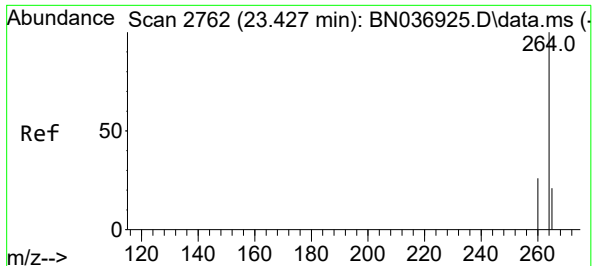
Tgt Ion:228 Resp: 1030872
Ion Ratio Lower Upper
228 100
226 27.3 22.2 33.4
229 20.0 16.4 24.6



#33
Chrysene
Concen: 33.727 ng
RT: 21.260 min Scan# 2285
Delta R.T. 0.009 min
Lab File: BN036937.D
Acq: 29 Apr 2025 13:41

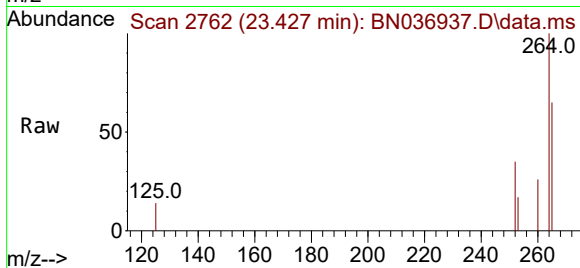
Tgt Ion:228 Resp: 1043139
Ion Ratio Lower Upper
228 100
226 30.1 25.5 38.3
229 19.9 16.5 24.7



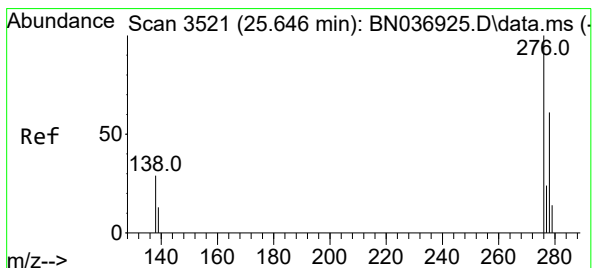
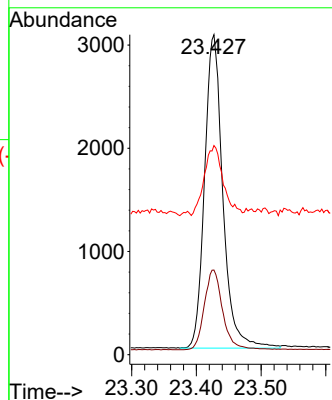
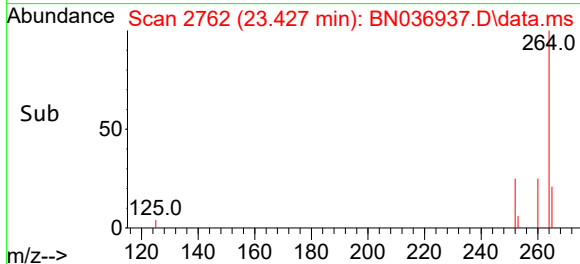


#35
Perylene-d12
Concen: 0.400 ng
RT: 23.427 min Scan# 21
Delta R.T. 0.000 min
Lab File: BN036937.D
Acq: 29 Apr 2025 13:41

Instrument :
BNA_N
ClientSampleId :
38072-010925DL

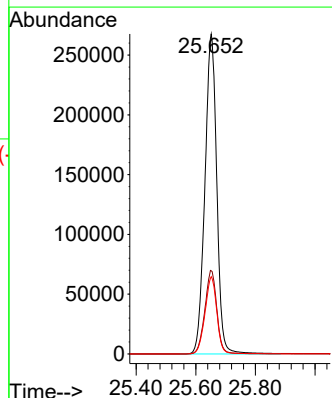
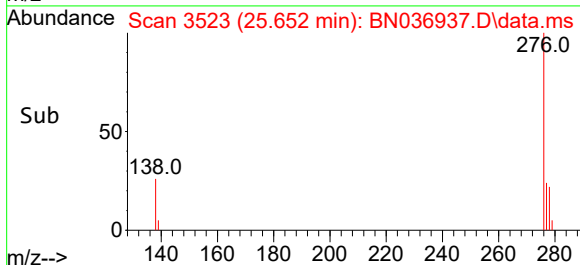
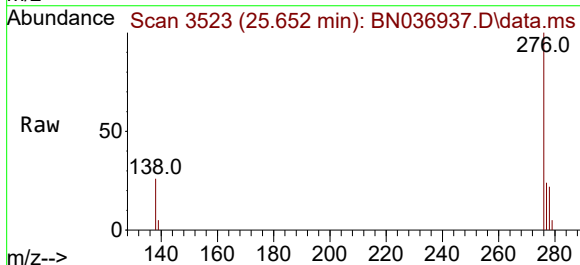


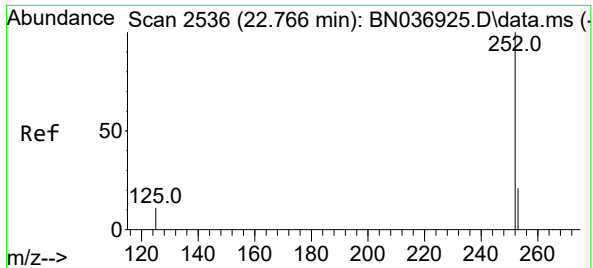
Tgt Ion:264 Resp: 5957
Ion Ratio Lower Upper
264 100
260 26.5 22.2 33.2
265 65.4 65.8 98.6#



#36
Indeno(1,2,3-cd)pyrene
Concen: 30.377 ng
RT: 25.652 min Scan# 3523
Delta R.T. 0.006 min
Lab File: BN036937.D
Acq: 29 Apr 2025 13:41

Tgt Ion:276 Resp: 739011
Ion Ratio Lower Upper
276 100
138 26.4 23.0 34.6
277 24.0 20.0 30.0





#37

Benzo(b)fluoranthene

Concen: 28.346 ng

RT: 22.766 min Scan# 2536

Delta R.T. 0.000 min

Lab File: BN036937.D

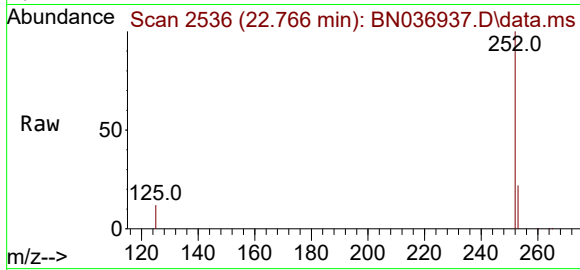
Acq: 29 Apr 2025 13:41

Instrument :

BNA_N

ClientSampleId :

38072-010925DL



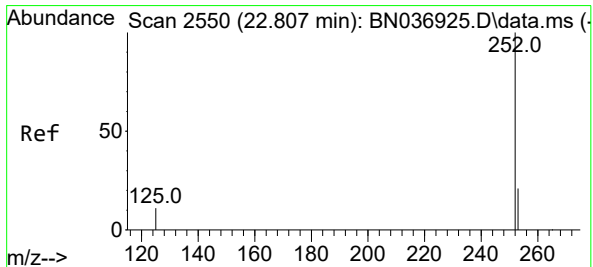
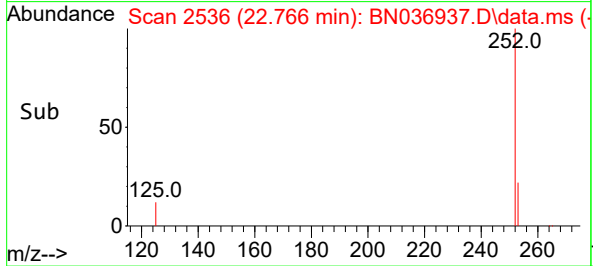
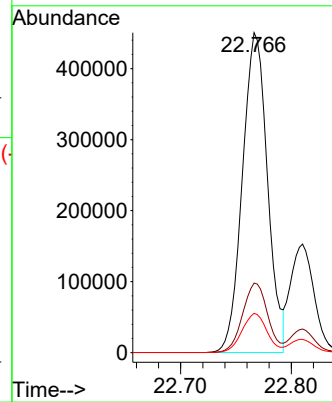
Tgt Ion:252 Resp: 710014

Ion Ratio Lower Upper

252 100

253 21.8 22.1 33.1#

125 12.3 14.2 21.2#



#38

Benzo(k)fluoranthene

Concen: 9.109 ng

RT: 22.810 min Scan# 2551

Delta R.T. 0.003 min

Lab File: BN036937.D

Acq: 29 Apr 2025 13:41

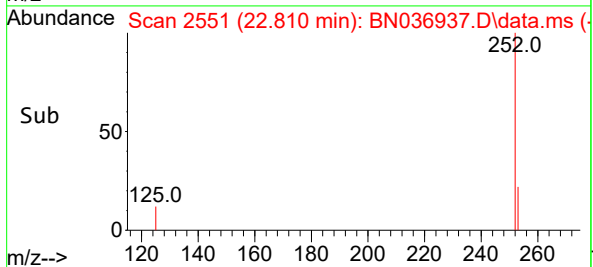
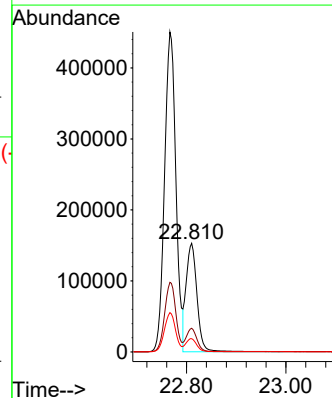
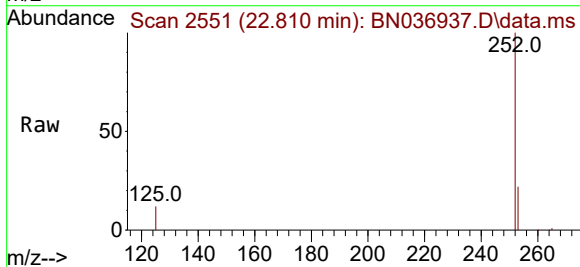
Tgt Ion:252 Resp: 229443

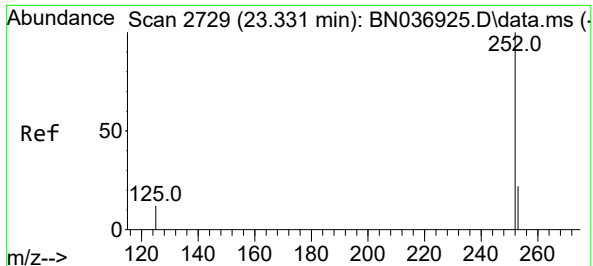
Ion Ratio Lower Upper

252 100

253 21.8 22.8 34.2#

125 12.3 14.2 21.2#





#39

Benzo(a)pyrene

Concen: 17.678 ng

RT: 23.331 min Scan# 21

Delta R.T. 0.000 min

Lab File: BN036937.D

Acq: 29 Apr 2025 13:41

Instrument :

BNA_N

ClientSampleId :

38072-010925DL

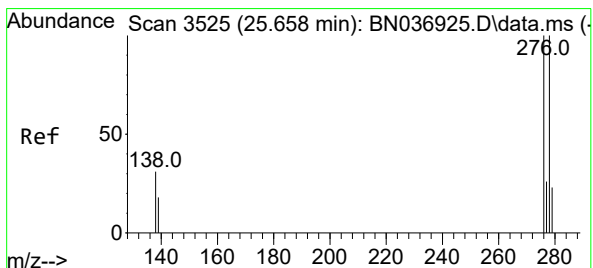
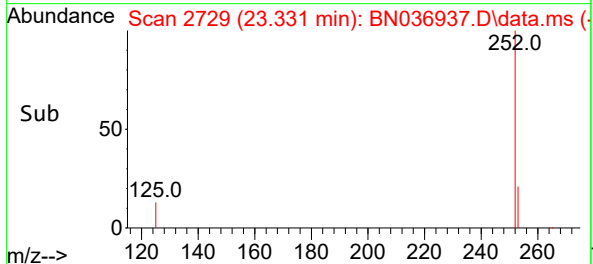
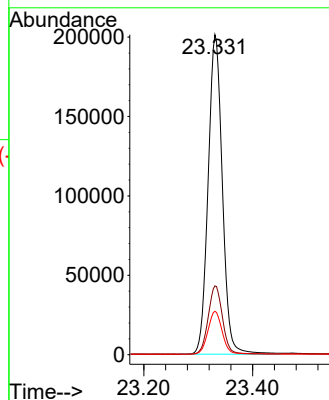
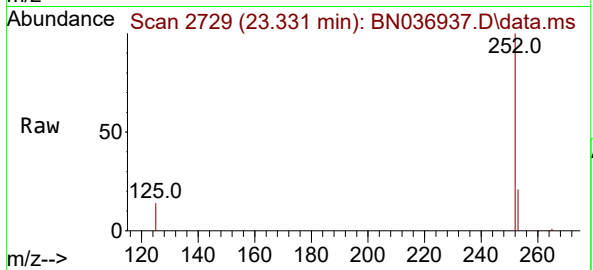
Tgt Ion:252 Resp: 364004

Ion Ratio Lower Upper

252 100

253 21.5 25.9 38.9#

125 13.5 17.4 26.0#



#40

Dibenzo(a,h)anthracene

Concen: 9.314 ng

RT: 25.661 min Scan# 3526

Delta R.T. 0.003 min

Lab File: BN036937.D

Acq: 29 Apr 2025 13:41

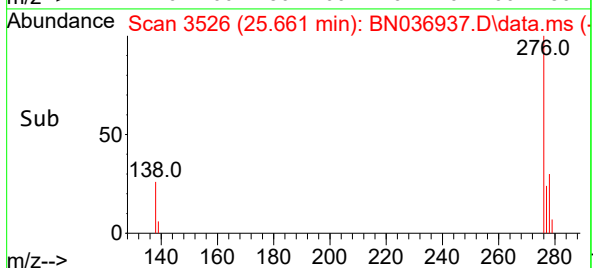
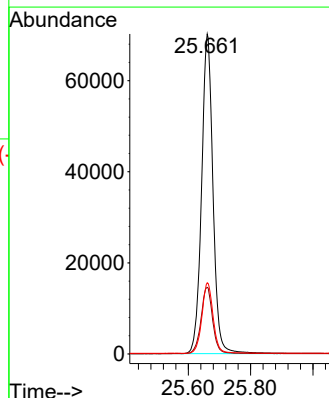
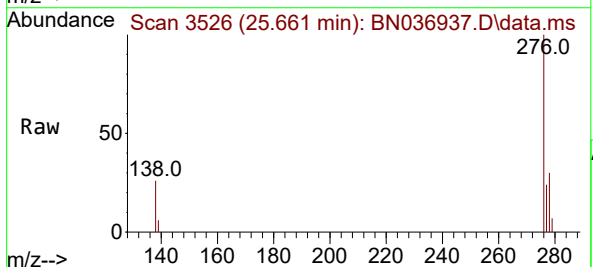
Tgt Ion:278 Resp: 178329

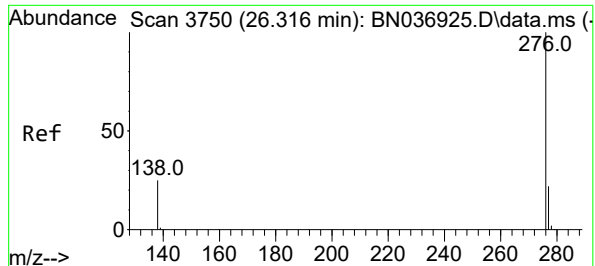
Ion Ratio Lower Upper

278 100

139 20.8 17.4 26.2

279 22.3 24.9 37.3#





#41

Benzo(g,h,i)perylene

Concen: 8.458 ng

RT: 26.322 min Scan# 31

Delta R.T. 0.006 min

Lab File: BN036937.D

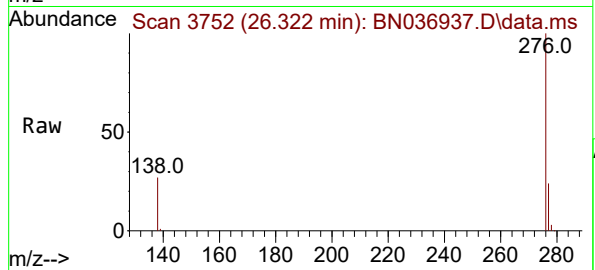
Acq: 29 Apr 2025 13:41

Instrument :

BNA_N

ClientSampleId :

38072-010925DL



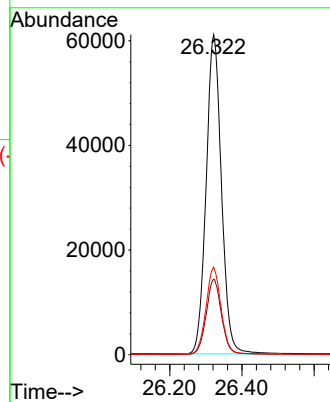
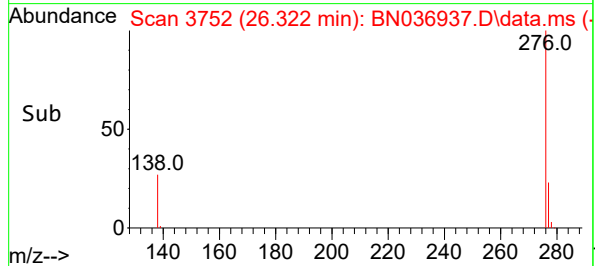
Tgt Ion:276 Resp: 179719

Ion Ratio Lower Upper

276 100

277 23.6 20.2 30.2

138 27.3 21.9 32.9



Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN042925\
 Data File : BN036938.D
 Acq On : 29 Apr 2025 14:17
 Operator : RC/JU
 Sample : Q1870-01DL2 50X
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 38072-010925DL2

A
B
C
D
E
F
G
H
I
J
K

Quant Time: Apr 29 14:40:26 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)

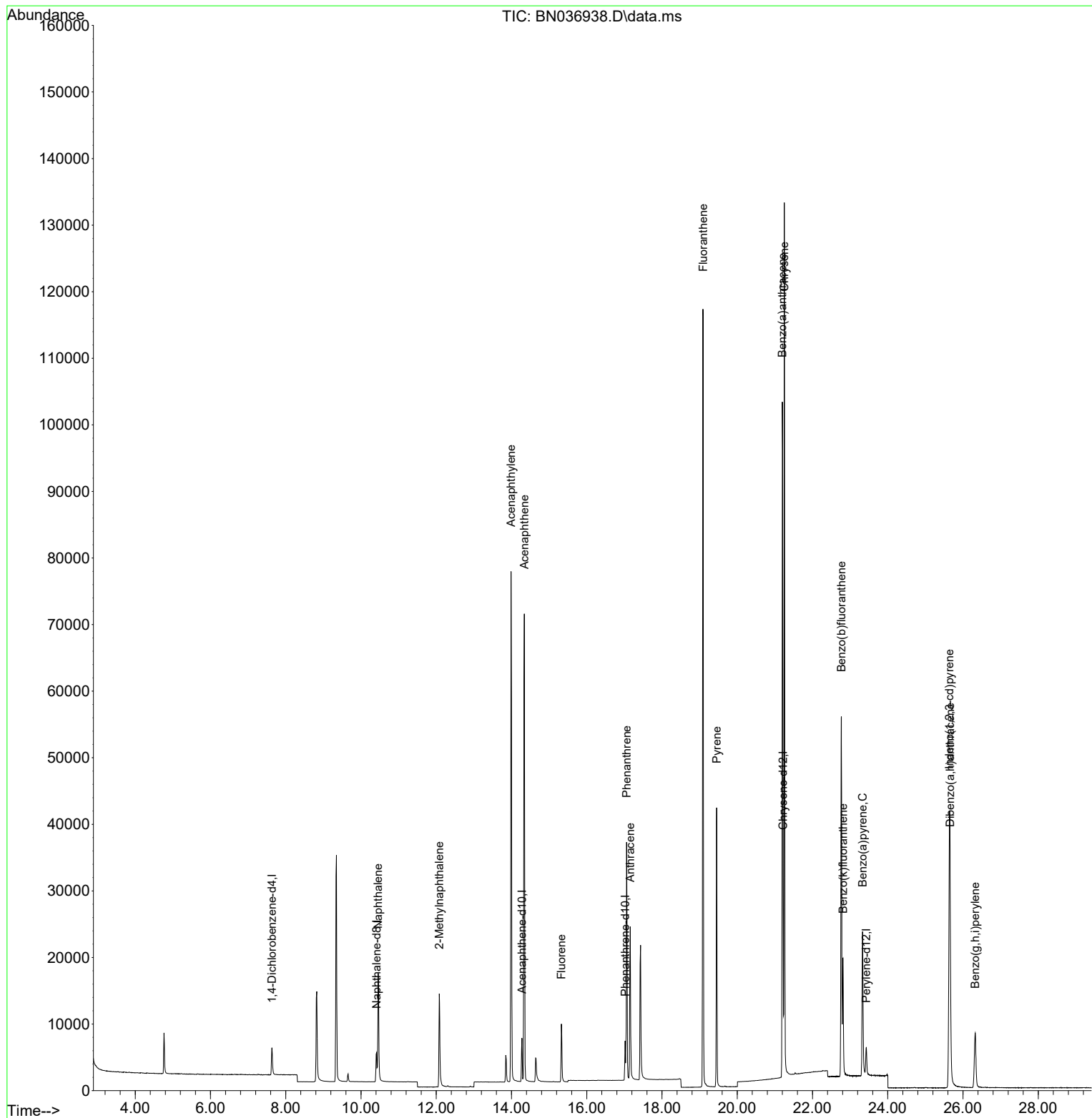
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.633	152	2432	0.400	ng	0.00
7) Naphthalene-d8	10.415	136	6295	0.400	ng	0.00
13) Acenaphthene-d10	14.277	164	3589	0.400	ng	0.00
19) Phenanthrene-d10	17.021	188	7137	0.400	ng	0.00
29) Chrysene-d12	21.215	240	6695	0.400	ng	# 0.00
35) Perylene-d12	23.430	264	5501	0.400	ng	# 0.00
System Monitoring Compounds						
4) 2-Fluorophenol	0.000	112	0d	0.000	ng	
5) Phenol-d6	0.000	99	0d	0.000	ng	
8) Nitrobenzene-d5	0.000	82	0d	0.000	ng	
11) 2-Methylnaphthalene-d10	0.000	152	0d	0.000	ng	
14) 2,4,6-Tribromophenol	0.000	330	0d	0.000	ng	
15) 2-Fluorobiphenyl	0.000	172	0d	0.000	ng	
27) Fluoranthene-d10	0.000	212	0d	0.000	ng	
31) Terphenyl-d14	0.000	244	0d	0.000	ng	
Target Compounds						Qvalue
9) Naphthalene	10.458	128	22192	1.211	ng	98
12) 2-Methylnaphthalene	12.082	142	11450	0.967	ng	99
16) Acenaphthylene	13.989	152	79777	4.548	ng	99
17) Acenaphthene	14.341	154	34081	2.957	ng	99
18) Fluorene	15.325	166	6026	0.400	ng	98
25) Phenanthrene	17.058	178	35341	1.500	ng	99
26) Anthracene	17.158	178	26761	1.256	ng	100
28) Fluoranthene	19.091	202	103493	3.920	ng	99
30) Pyrene	19.453	202	36010	1.117	ng	99
32) Benzo(a)anthracene	21.197	228	84662	3.434	ng	97
33) Chrysene	21.251	228	101268	3.808	ng	98
36) Indeno(1,2,3-cd)pyrene	25.640	276	68690	3.058	ng	96
37) Benzo(b)fluoranthene	22.766	252	63619	2.750	ng	# 89
38) Benzo(k)fluoranthene	22.810	252	21335	0.917	ng	# 91
39) Benzo(a)pyrene	23.330	252	31475	1.655	ng	# 85
40) Dibenzo(a,h)anthracene	25.658	278	16267	0.920	ng	93
41) Benzo(g,h,i)perylene	26.324	276	16655	0.849	ng	99

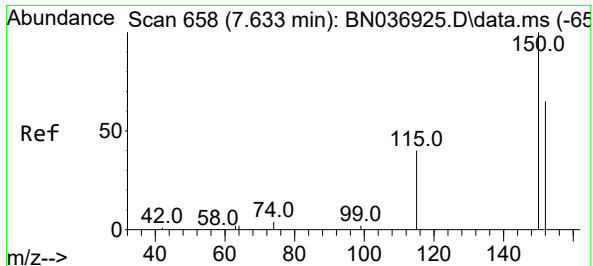
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN042925\
Data File : BN036938.D
Acq On : 29 Apr 2025 14:17
Operator : RC/JU
Sample : Q1870-01DL2 50X
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
38072-010925DL2

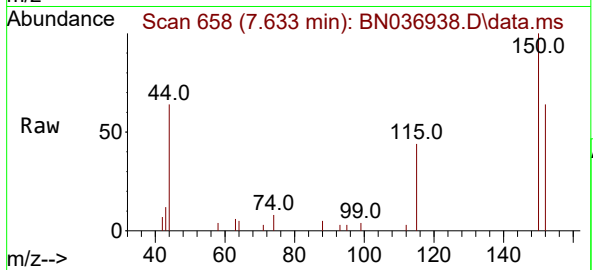
Quant Time: Apr 29 14:40:26 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN042825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Apr 28 15:35:03 2025
Response via : Initial Calibration



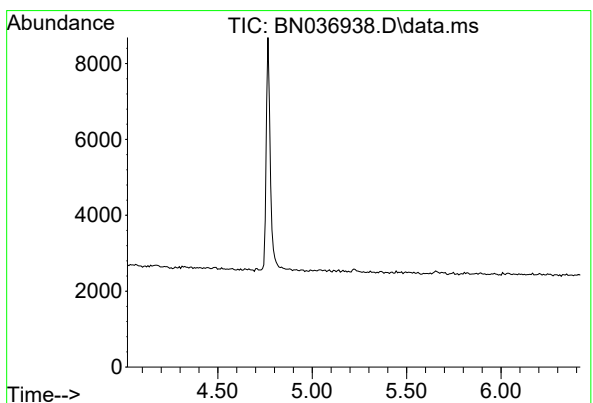
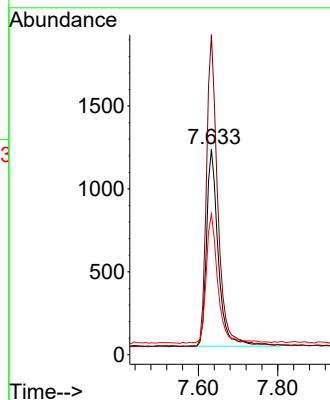
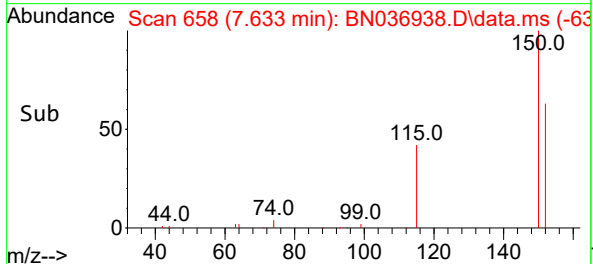


#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.633 min Scan# 61
Delta R.T. -0.000 min
Lab File: BN036938.D
Acq: 29 Apr 2025 14:17

Instrument :
BNA_N
ClientSampleId :
38072-010925DL2



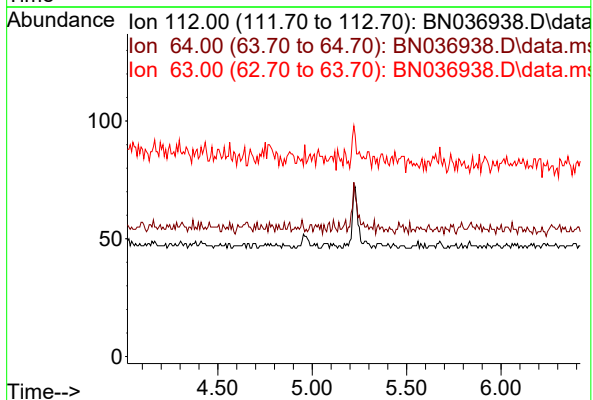
Tgt Ion:152 Resp: 2432
Ion Ratio Lower Upper
152 100
150 155.6 121.1 181.7
115 68.5 51.8 77.6

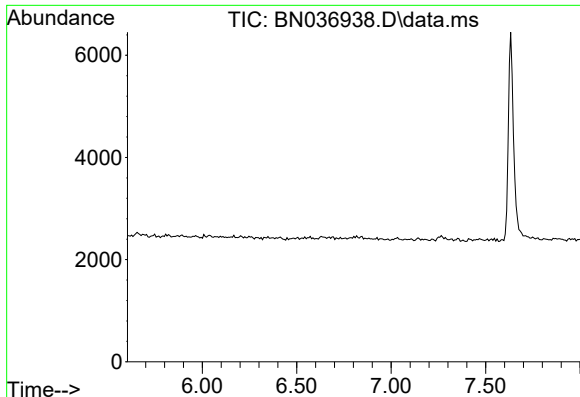


#4
2-Fluorophenol
Concen: 0.000 ng
Expected RT: 5.22 min

Lab File: BN036938.D
Acq: 29 Apr 2025 14:17

Tgt Ion: 112
Sig Exp Ratio
112 100
64 69.6
63 42.4



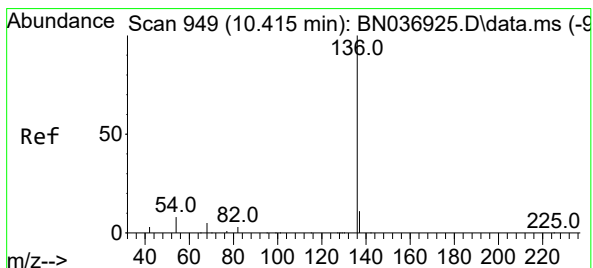
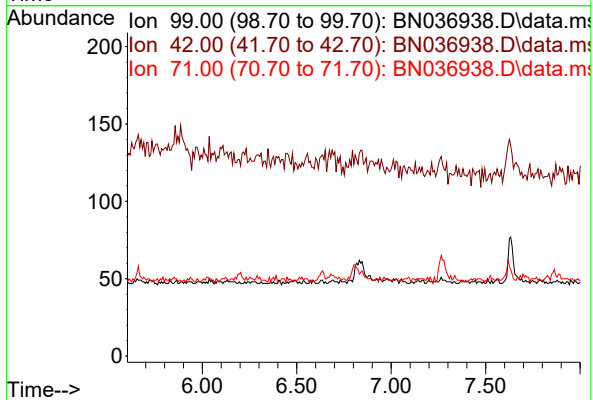


#5
Phenol-d6
Concen: 0.000 ng
Expected RT: 6.80 min

Lab File: BN036938.D
Acq: 29 Apr 2025 14:17

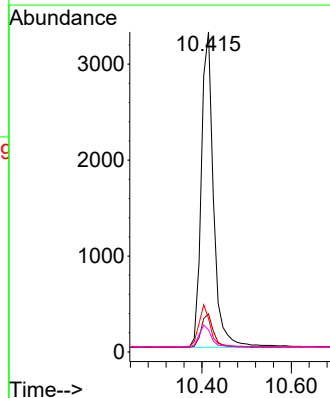
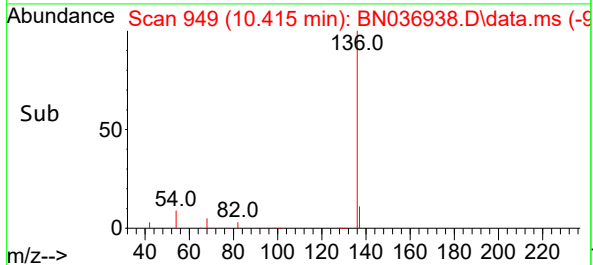
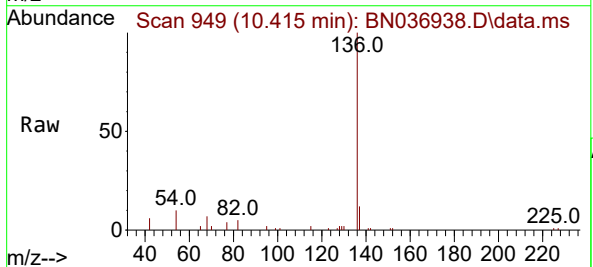
Instrument :
BNA_N
ClientSampleId :
38072-010925DL2

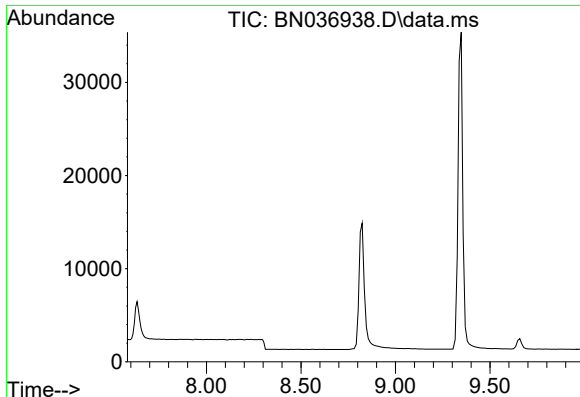
Tgt Ion: 99
Sig Exp Ratio
99 100
42 37.0
71 45.0



#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.415 min Scan# 949
Delta R.T. -0.000 min
Lab File: BN036938.D
Acq: 29 Apr 2025 14:17

Tgt Ion:136 Resp: 6295
Ion Ratio Lower Upper
136 100
137 11.9 9.7 14.5
54 10.4 8.0 12.0
68 6.8 5.1 7.7



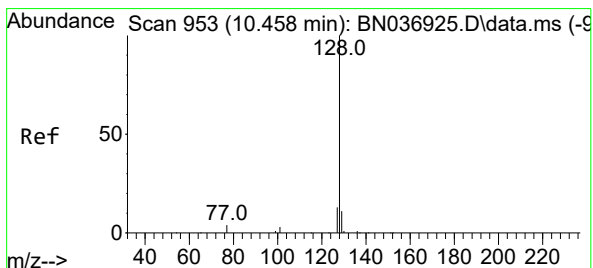
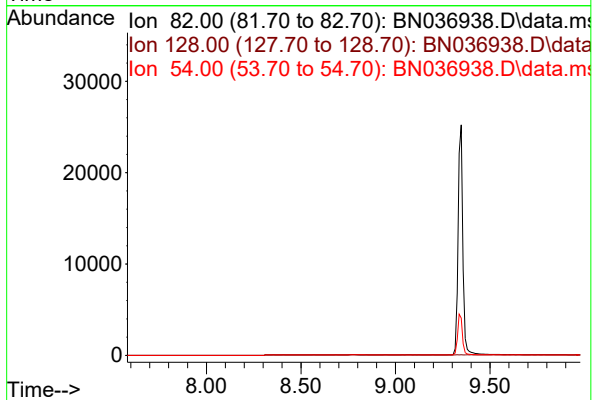


#8
Nitrobenzene-d5
Concen: 0.000 ng
Expected RT: 8.78 min

Lab File: BN036938.D
Acq: 29 Apr 2025 14:17

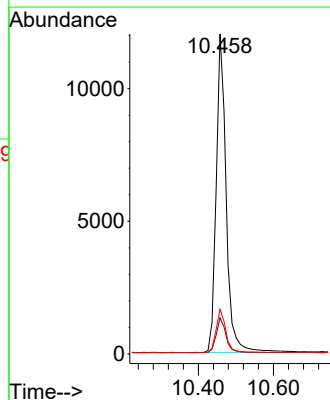
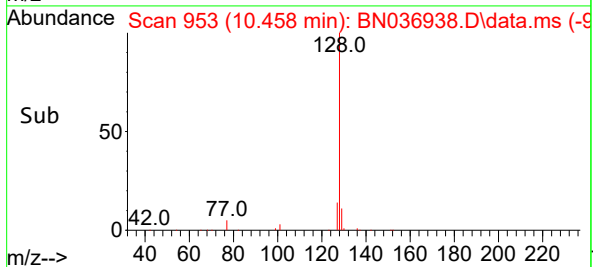
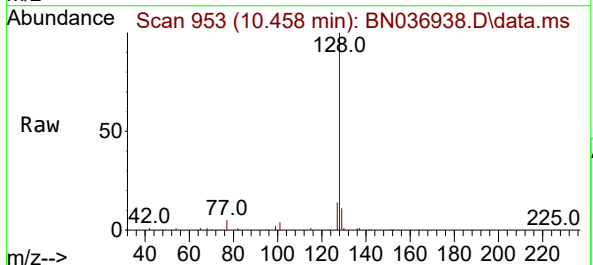
Instrument :
BNA_N
ClientSampleId :
38072-010925DL2

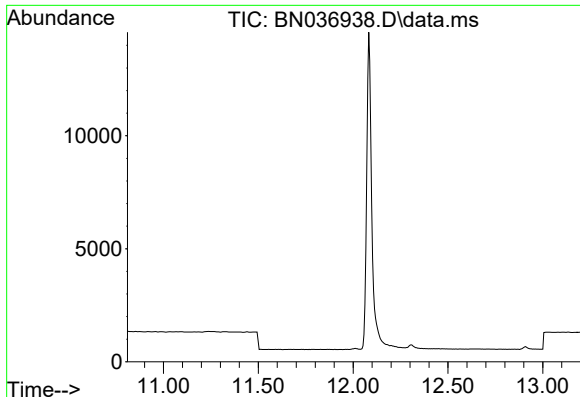
Sig	Exp Ratio
82	100
128	38.4
54	65.1



#9
Naphthalene
Concen: 1.211 ng
RT: 10.458 min Scan# 953
Delta R.T. -0.000 min
Lab File: BN036938.D
Acq: 29 Apr 2025 14:17

Tgt Ion	Ratio	Lower	Upper
128	100		
129	11.2	9.8	14.6
127	13.9	11.4	17.2

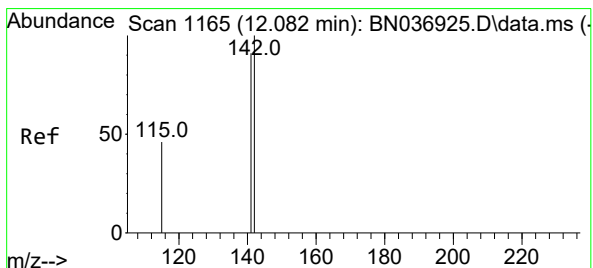
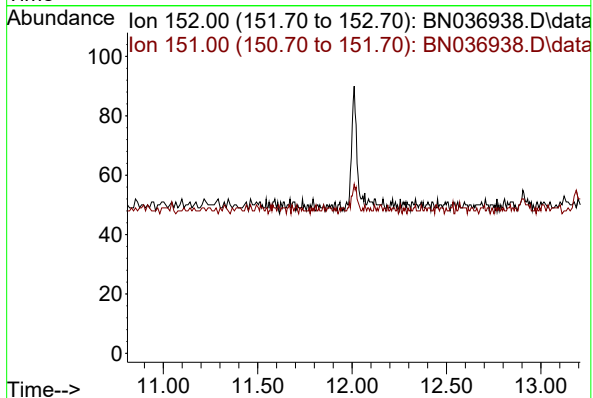




#11
2-Methylnaphthalene-d10
Concen: 0.000 ng
Expected RT: 12.01 min
Lab File: BN036938.D
Acq: 29 Apr 2025 14:17

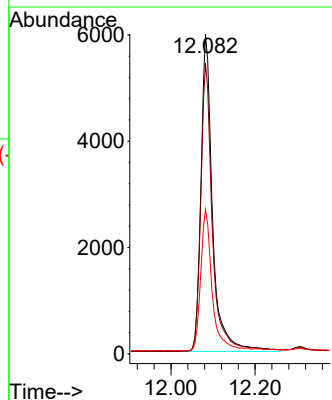
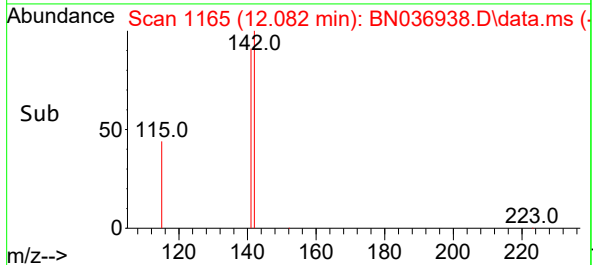
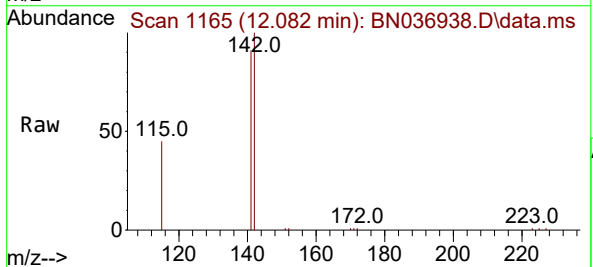
Instrument :
BNA_N
ClientSampleId :
38072-010925DL2

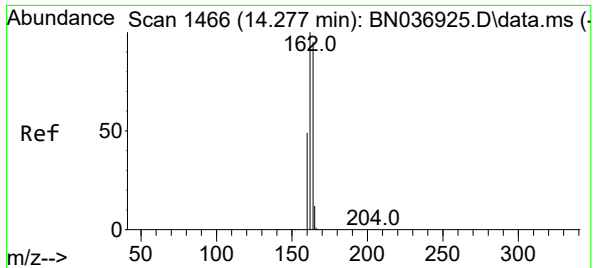
Tgt Ion: 152
Sig Exp Ratio
152 100
151 21.1



#12
2-Methylnaphthalene
Concen: 0.967 ng
RT: 12.082 min Scan# 1165
Delta R.T. -0.000 min
Lab File: BN036938.D
Acq: 29 Apr 2025 14:17

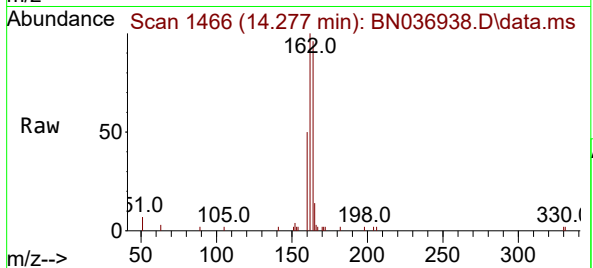
Tgt Ion: 142 Resp: 11450
Ion Ratio Lower Upper
142 100
141 90.8 72.8 109.2
115 45.2 38.2 57.4





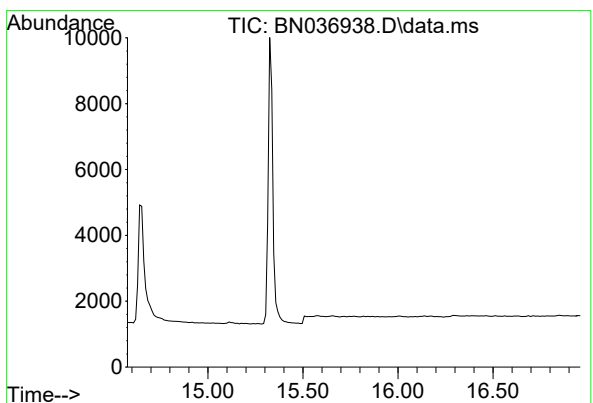
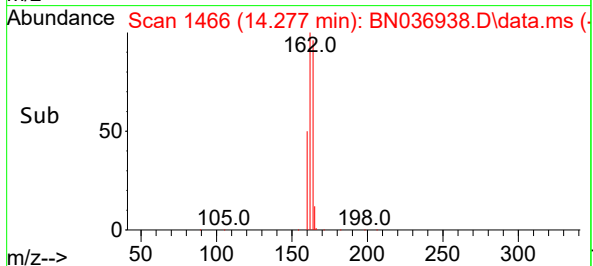
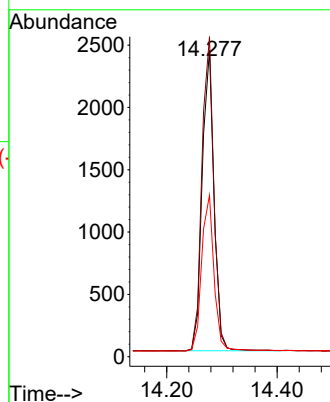
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.277 min Scan# 14
Delta R.T. -0.000 min
Lab File: BN036938.D
Acq: 29 Apr 2025 14:17

Instrument :
BNA_N
ClientSampleId :
38072-010925DL2



Tgt Ion:164 Resp: 3589

Ion	Ratio	Lower	Upper
164	100		
162	104.3	83.8	125.8
160	52.6	42.0	63.0

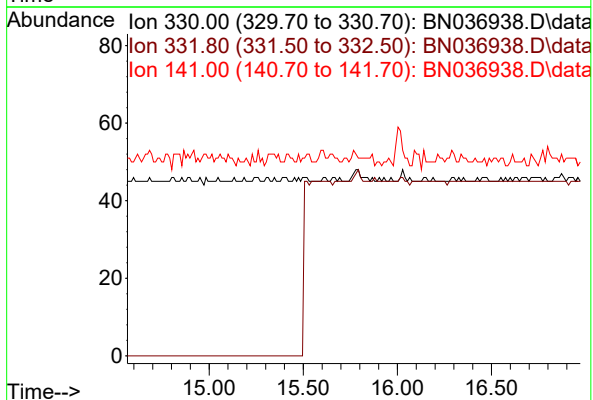


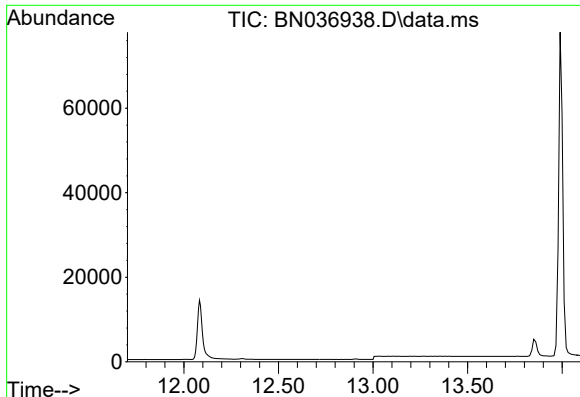
#14
2,4,6-Tribromophenol
Concen: 0.000 ng
Expected RT: 15.77 min

Lab File: BN036938.D
Acq: 29 Apr 2025 14:17

Tgt Ion: 330

Sig	Exp Ratio
330	100
332	95.4
141	56.8

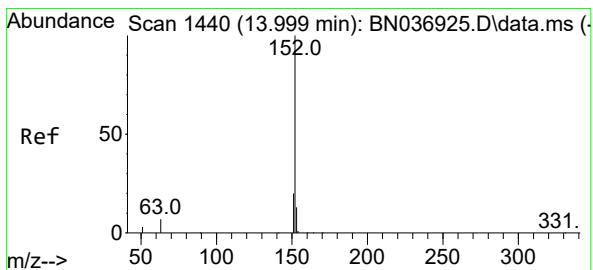
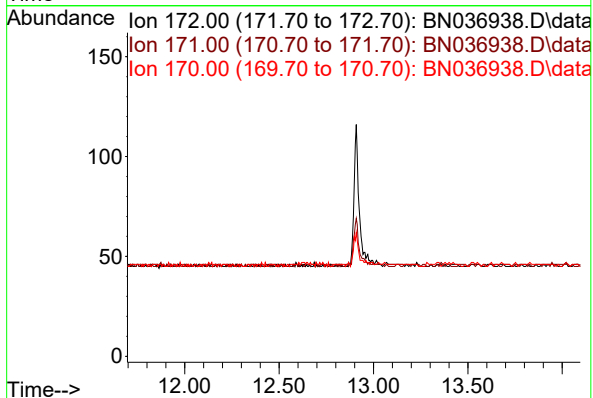




#15
2-Fluorobiphenyl
Concen: 0.000 ng
Expected RT: 12.90 min
Lab File: BN036938.D
Acq: 29 Apr 2025 14:17

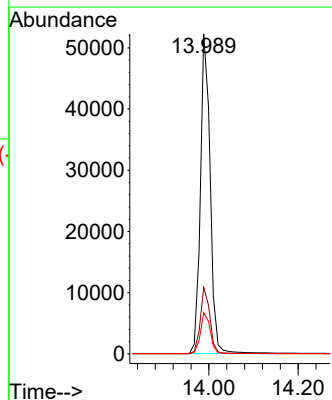
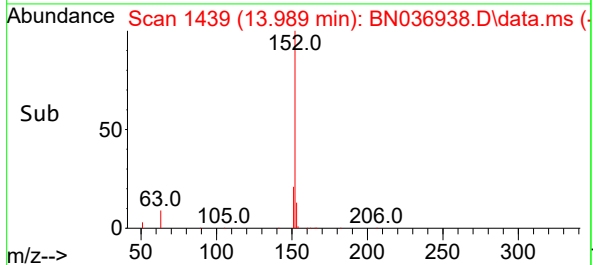
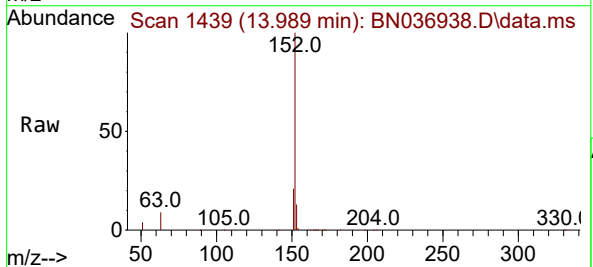
Instrument :
BNA_N
ClientSampleId :
38072-010925DL2

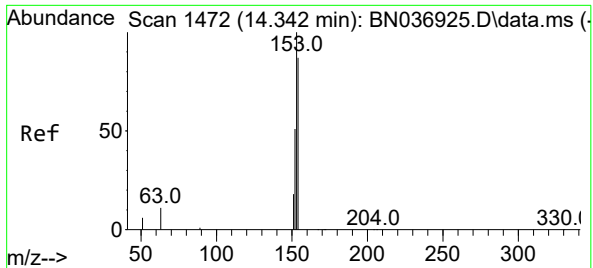
Tgt Ion: 172
Sig Exp Ratio
172 100
171 36.7
170 24.2



#16
Acenaphthylene
Concen: 4.548 ng
RT: 13.989 min Scan# 1439
Delta R.T. -0.011 min
Lab File: BN036938.D
Acq: 29 Apr 2025 14:17

Tgt Ion: 152 Resp: 79777
Ion Ratio Lower Upper
152 100
151 20.3 16.0 24.0
153 13.0 10.2 15.2

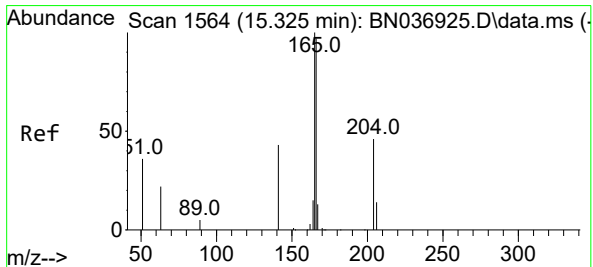
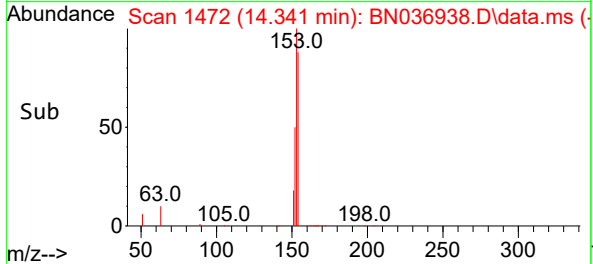
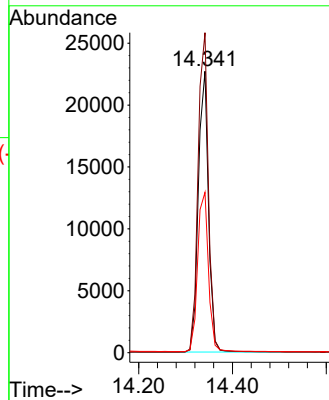
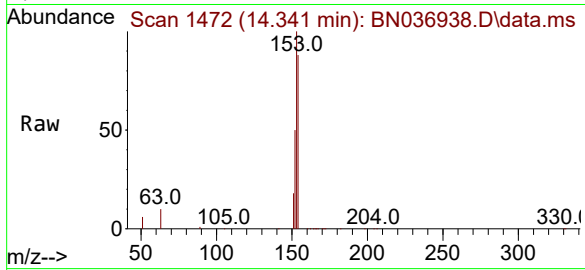




#17
Acenaphthene
Concen: 2.957 ng
RT: 14.341 min Scan# 1472
Delta R.T. -0.000 min
Lab File: BN036938.D
Acq: 29 Apr 2025 14:17

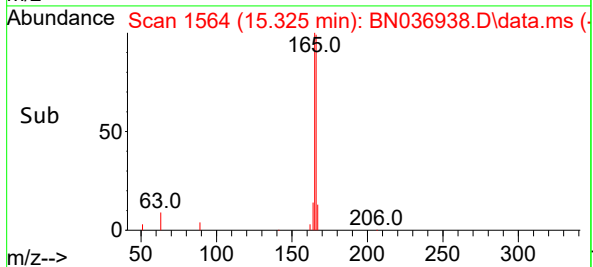
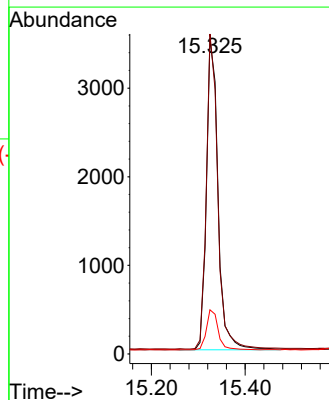
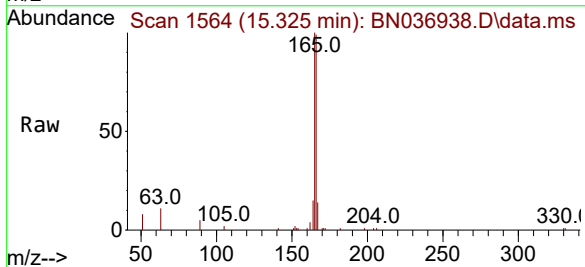
Instrument :
BNA_N
ClientSampleId :
38072-010925DL2

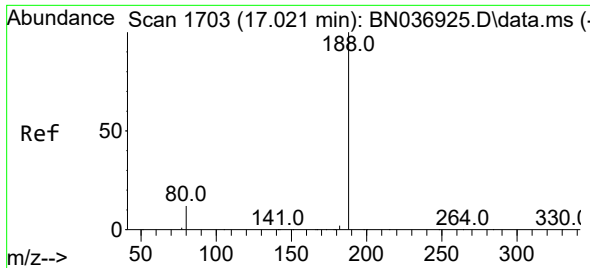
Tgt Ion:154 Resp: 34081
Ion Ratio Lower Upper
154 100
153 116.2 93.4 140.2
152 60.5 49.5 74.3



#18
Fluorene
Concen: 0.400 ng
RT: 15.325 min Scan# 1564
Delta R.T. -0.000 min
Lab File: BN036938.D
Acq: 29 Apr 2025 14:17

Tgt Ion:166 Resp: 6026
Ion Ratio Lower Upper
166 100
165 99.4 80.8 121.2
167 13.1 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: BN036938.D

Acq: 29 Apr 2025 14:17

Instrument :

BNA_N

ClientSampleId :

38072-010925DL2

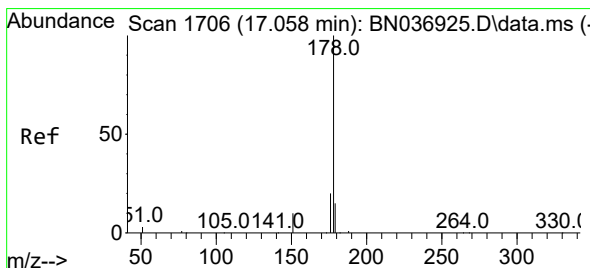
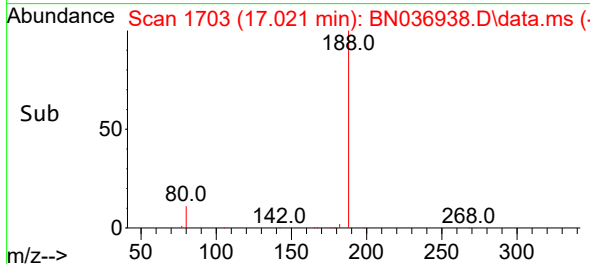
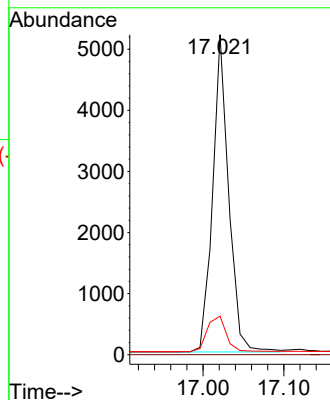
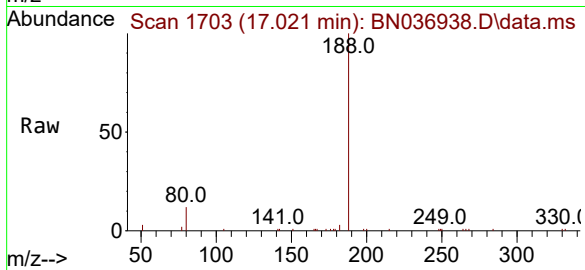
Tgt Ion:188 Resp: 7137

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

80 12.0 10.7 16.1



#25

Phenanthrene

Concen: 1.500 ng

RT: 17.058 min Scan# 1706

Delta R.T. -0.000 min

Lab File: BN036938.D

Acq: 29 Apr 2025 14:17

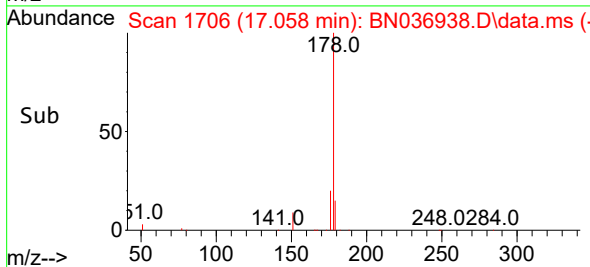
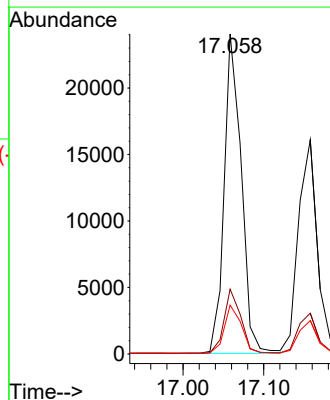
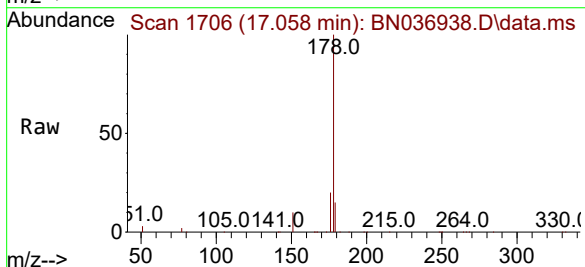
Tgt Ion:178 Resp: 35341

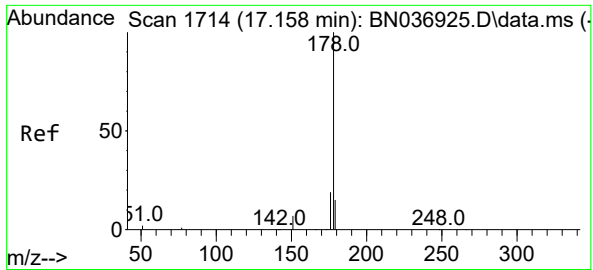
Ion Ratio Lower Upper

178 100

176 19.7 15.7 23.5

179 15.1 12.4 18.6

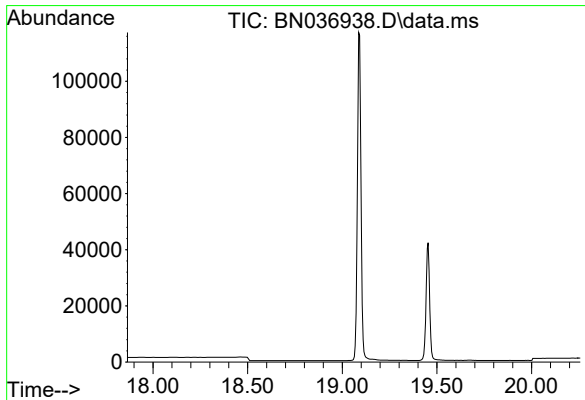
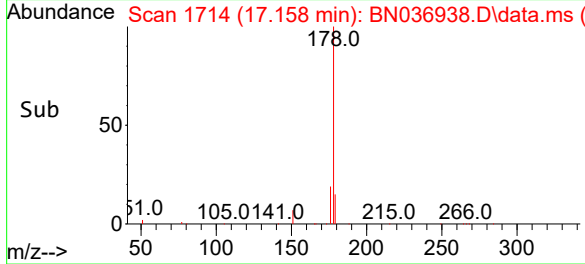
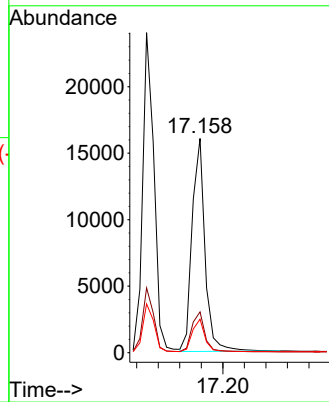
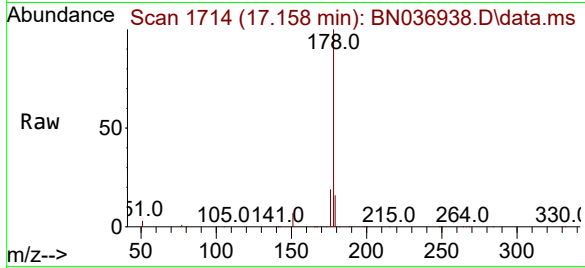




#26
Anthracene
Concen: 1.256 ng
RT: 17.158 min Scan# 1
Delta R.T. -0.000 min
Lab File: BN036938.D
Acq: 29 Apr 2025 14:17

Instrument :
BNA_N
ClientSampleId :
38072-010925DL2

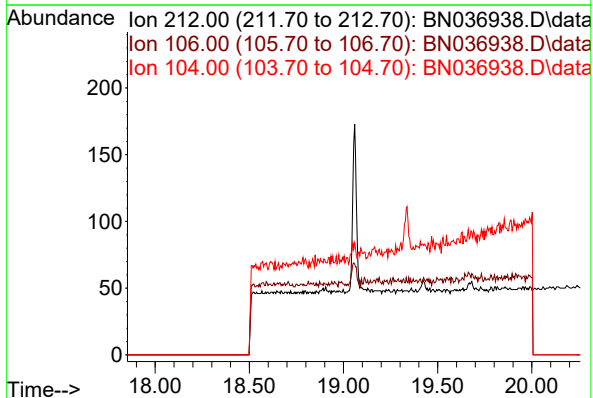
Tgt Ion	Resp	Lower	Upper
178	100		
176	19.0	15.3	22.9
179	15.3	12.1	18.1



#27
Fluoranthene-d10
Concen: 0.000 ng
Expected RT: 19.06 min

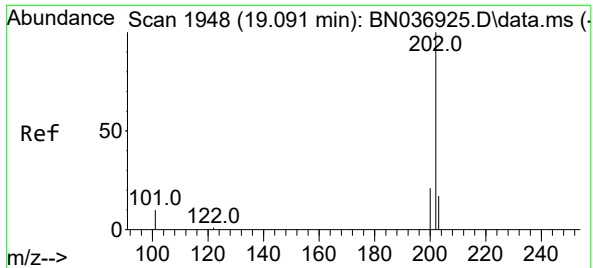
Lab File: BN036938.D
Acq: 29 Apr 2025 14:17

Tgt Ion	Sig	Exp Ratio
212	100	
106	14.5	
104	8.7	



Ion 106.00 (105.70 to 106.70): BN036938.D\data.ms

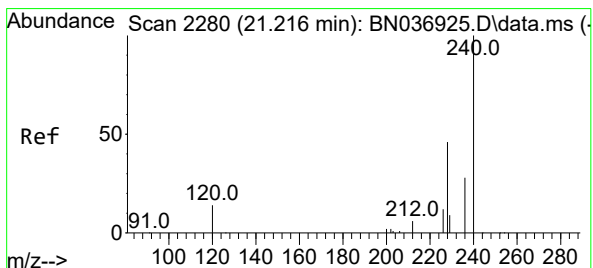
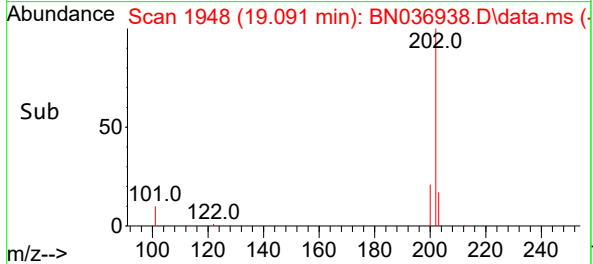
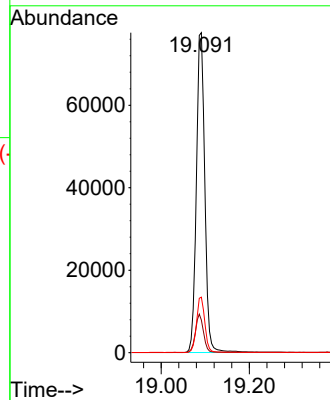
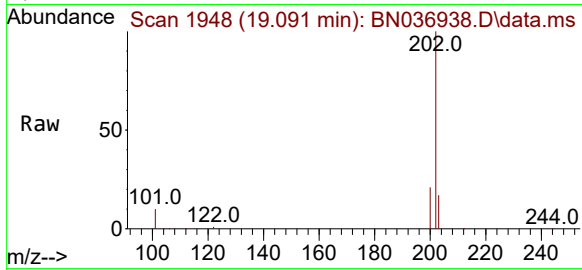
Ion 104.00 (103.70 to 104.70): BN036938.D\data.ms



#28
Fluoranthene
Concen: 3.920 ng
RT: 19.091 min Scan# 1948
Delta R.T. -0.000 min
Lab File: BN036938.D
Acq: 29 Apr 2025 14:17

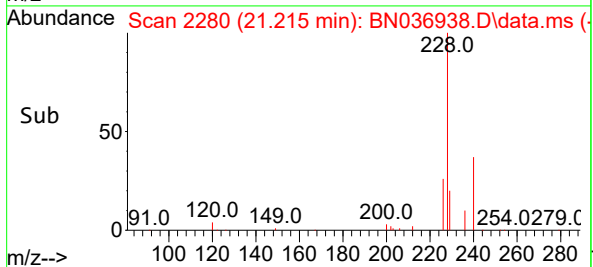
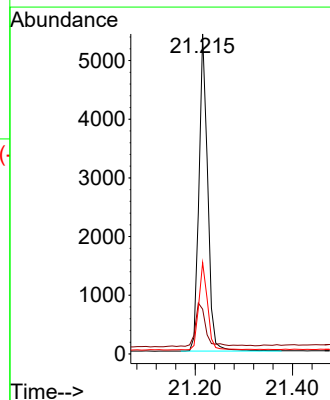
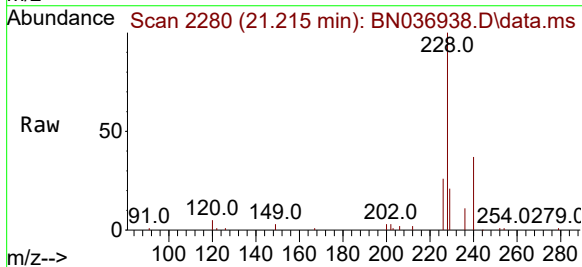
Instrument :
BNA_N
ClientSampleId :
38072-010925DL2

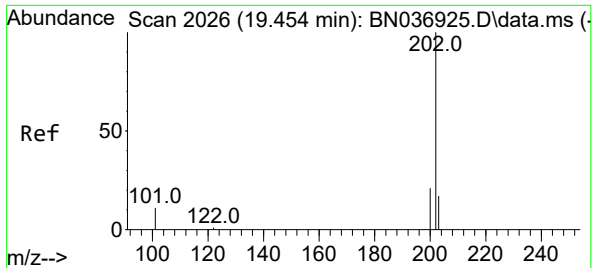
Tgt Ion:202 Resp: 103493
Ion Ratio Lower Upper
202 100
101 11.4 8.5 12.7
203 17.2 13.7 20.5



#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.215 min Scan# 2280
Delta R.T. -0.000 min
Lab File: BN036938.D
Acq: 29 Apr 2025 14:17

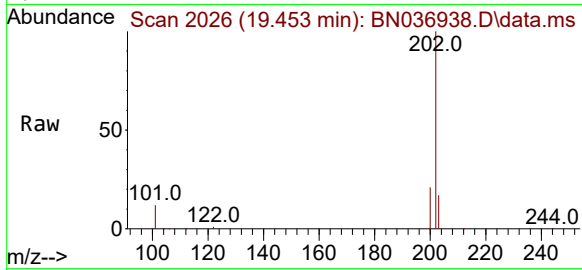
Tgt Ion:240 Resp: 6695
Ion Ratio Lower Upper
240 100
120 14.0 14.1 21.1#
236 28.5 23.8 35.8



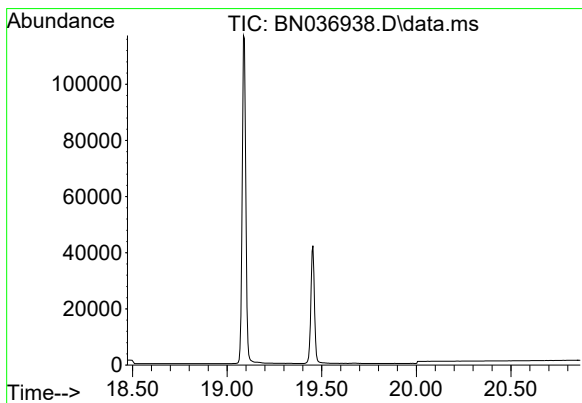
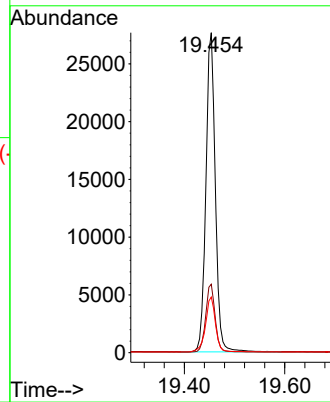
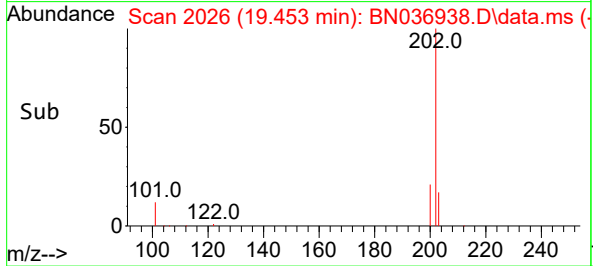


#30
Pyrene
Concen: 1.117 ng
RT: 19.453 min Scan# 20
Delta R.T. -0.000 min
Lab File: BN036938.D
Acq: 29 Apr 2025 14:17

Instrument :
BNA_N
ClientSampleId :
38072-010925DL2



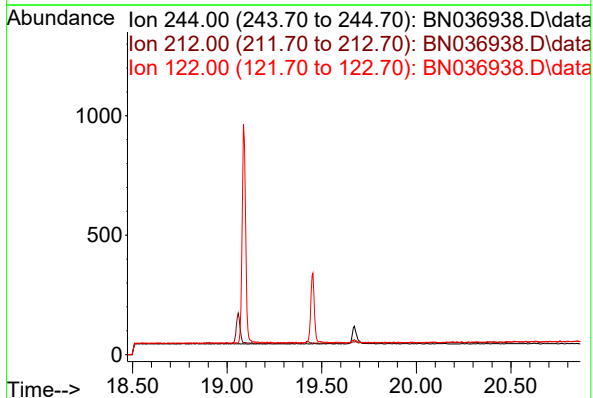
Tgt Ion:202 Resp: 36010
Ion Ratio Lower Upper
202 100
200 21.5 17.0 25.6
203 18.2 14.0 21.0

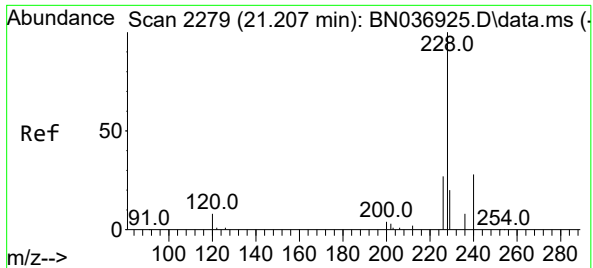


#31
Terphenyl-d14
Concen: 0.000 ng
Expected RT: 19.67 min

Lab File: BN036938.D
Acq: 29 Apr 2025 14:17

Tgt Ion: 244
Sig Exp Ratio
244 100
212 12.0
122 15.9

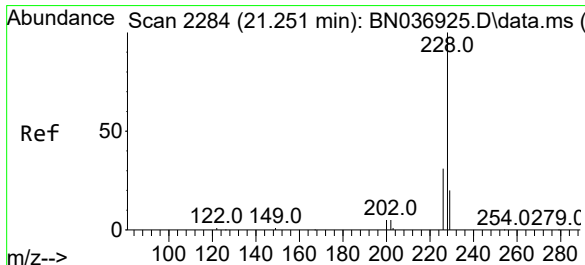
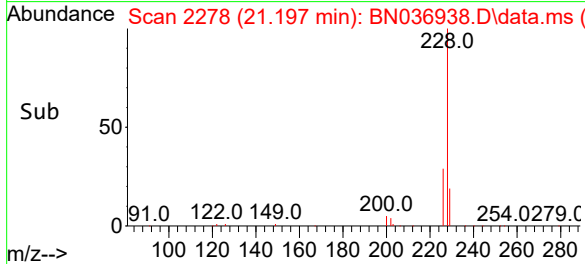
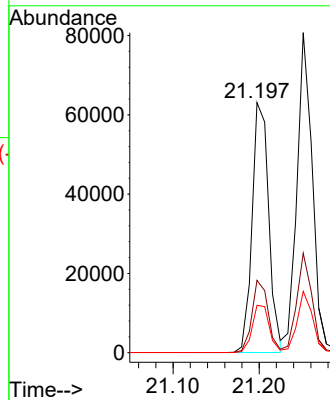
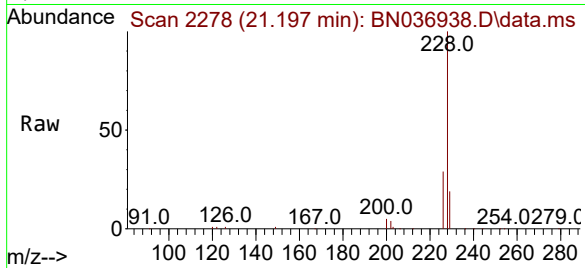




#32
Benzo(a)anthracene
Concen: 3.434 ng
RT: 21.197 min Scan# 2119
Delta R.T. -0.009 min
Lab File: BN036938.D
Acq: 29 Apr 2025 14:17

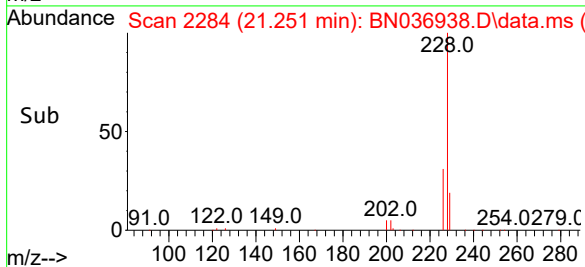
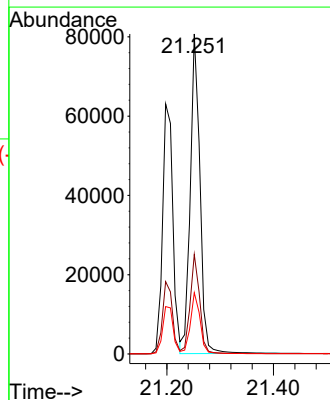
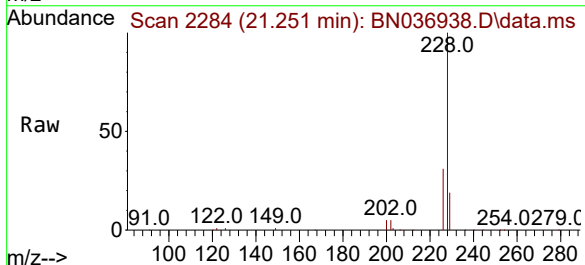
Instrument :
BNA_N
ClientSampleId :
38072-010925DL2

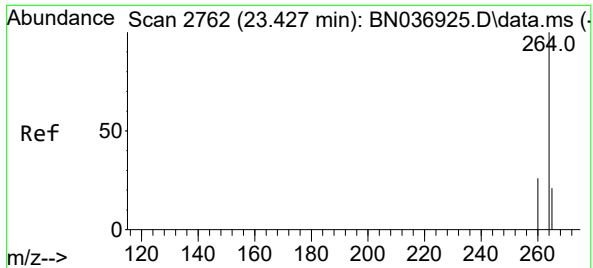
Tgt Ion:228 Resp: 84662
Ion Ratio Lower Upper
228 100
226 28.9 22.2 33.4
229 18.9 16.4 24.6



#33
Chrysene
Concen: 3.808 ng
RT: 21.251 min Scan# 2284
Delta R.T. -0.000 min
Lab File: BN036938.D
Acq: 29 Apr 2025 14:17

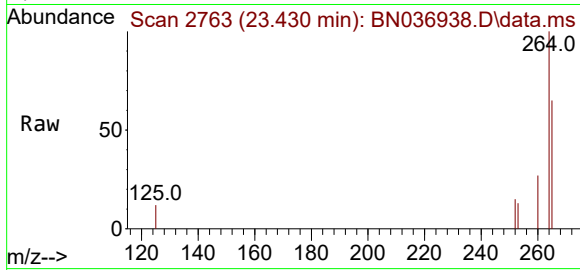
Tgt Ion:228 Resp: 101268
Ion Ratio Lower Upper
228 100
226 31.1 25.5 38.3
229 19.2 16.5 24.7



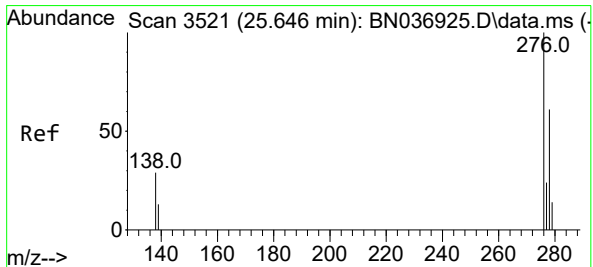
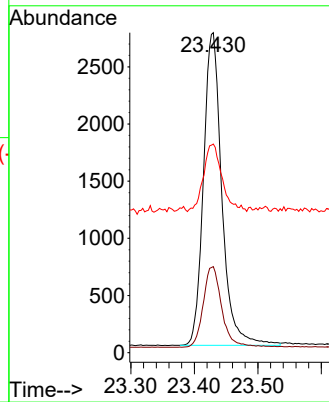
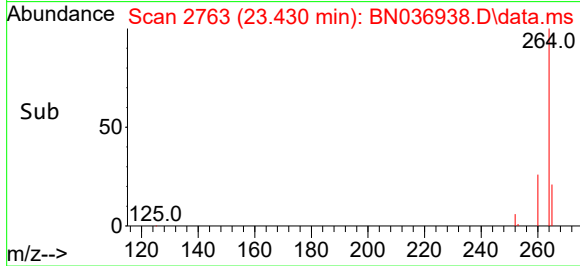


#35
Perylene-d12
Concen: 0.400 ng
RT: 23.430 min Scan# 21
Delta R.T. 0.003 min
Lab File: BN036938.D
Acq: 29 Apr 2025 14:17

Instrument :
BNA_N
ClientSampleId :
38072-010925DL2

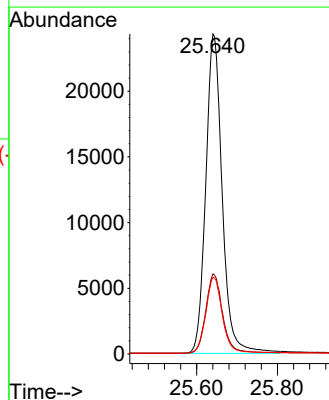
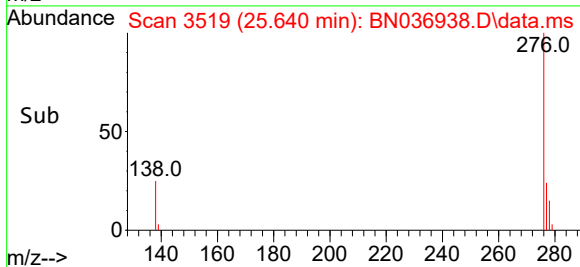
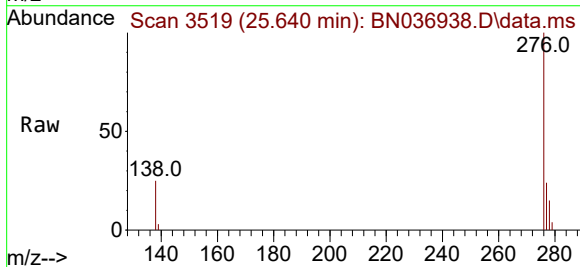


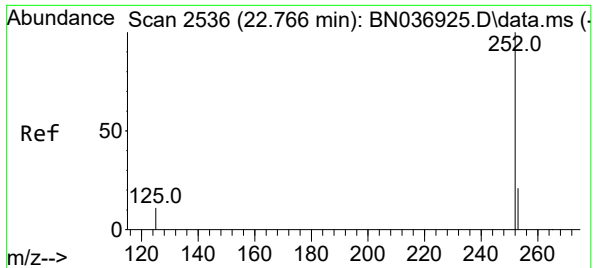
Tgt Ion:264 Resp: 5501
Ion Ratio Lower Upper
264 100
260 26.9 22.2 33.2
265 65.2 65.8 98.6#



#36
Indeno(1,2,3-cd)pyrene
Concen: 3.058 ng
RT: 25.640 min Scan# 3519
Delta R.T. -0.006 min
Lab File: BN036938.D
Acq: 29 Apr 2025 14:17

Tgt Ion:276 Resp: 68690
Ion Ratio Lower Upper
276 100
138 25.6 23.0 34.6
277 24.0 20.0 30.0





#37

Benzo(b)fluoranthene

Concen: 2.750 ng

RT: 22.766 min Scan# 2536

Delta R.T. -0.000 min

Lab File: BN036938.D

Acq: 29 Apr 2025 14:17

Instrument :

BNA_N

ClientSampleId :

38072-010925DL2

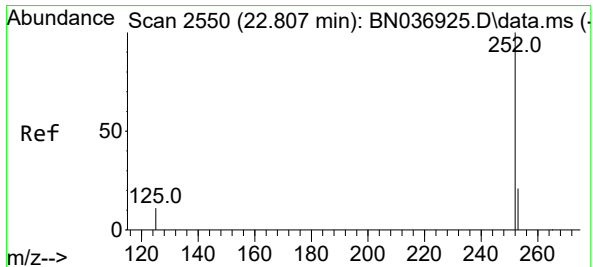
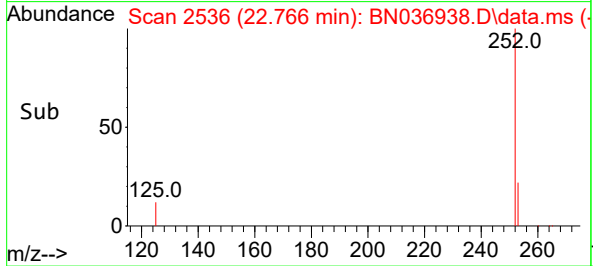
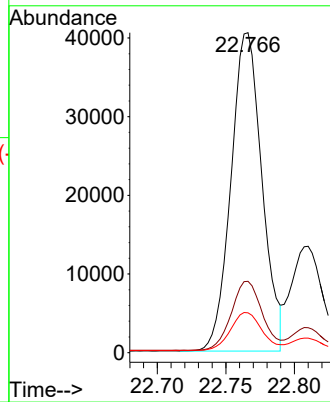
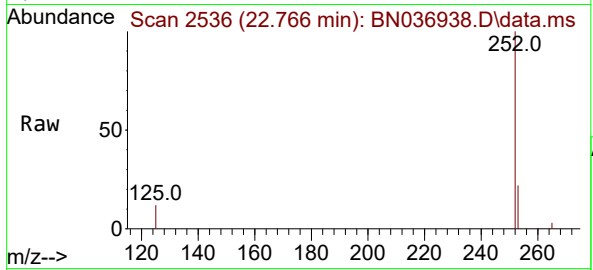
Tgt Ion:252 Resp: 63619

Ion Ratio Lower Upper

252 100

253 22.3 22.1 33.1

125 12.5 14.2 21.2#



#38

Benzo(k)fluoranthene

Concen: 0.917 ng

RT: 22.810 min Scan# 2551

Delta R.T. 0.003 min

Lab File: BN036938.D

Acq: 29 Apr 2025 14:17

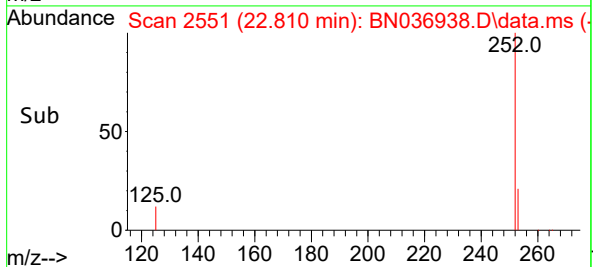
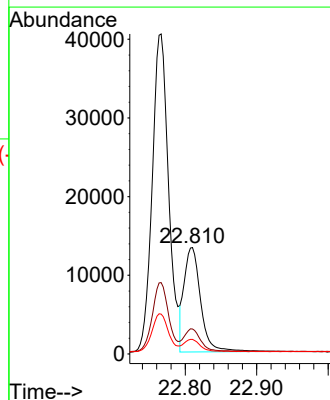
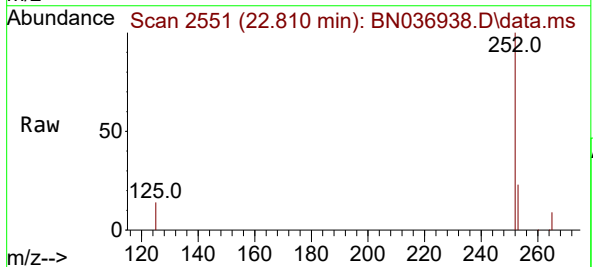
Tgt Ion:252 Resp: 21335

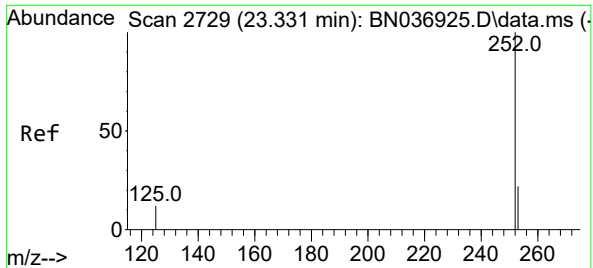
Ion Ratio Lower Upper

252 100

253 23.4 22.8 34.2

125 13.7 14.2 21.2#





#39

Benzo(a)pyrene

Concen: 1.655 ng

RT: 23.330 min Scan# 21

Delta R.T. -0.000 min

Lab File: BN036938.D

Acq: 29 Apr 2025 14:17

Instrument :

BNA_N

ClientSampleId :

38072-010925DL2

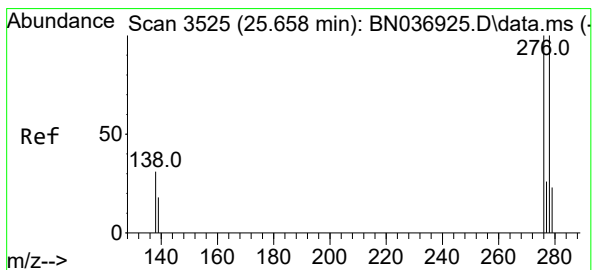
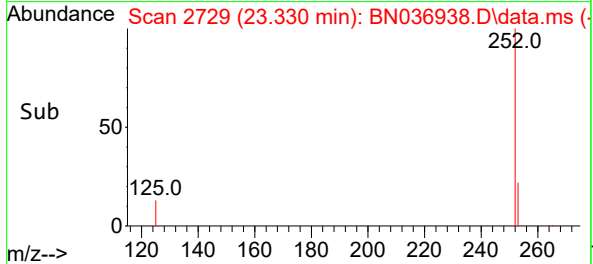
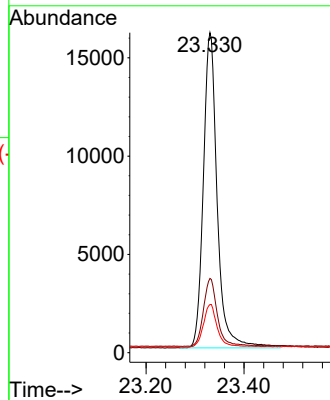
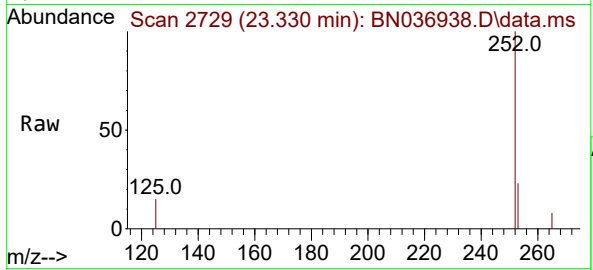
Tgt Ion:252 Resp: 31475

Ion Ratio Lower Upper

252 100

253 23.2 25.9 38.9#

125 15.1 17.4 26.0#



#40

Dibenzo(a,h)anthracene

Concen: 0.920 ng

RT: 25.658 min Scan# 3525

Delta R.T. -0.000 min

Lab File: BN036938.D

Acq: 29 Apr 2025 14:17

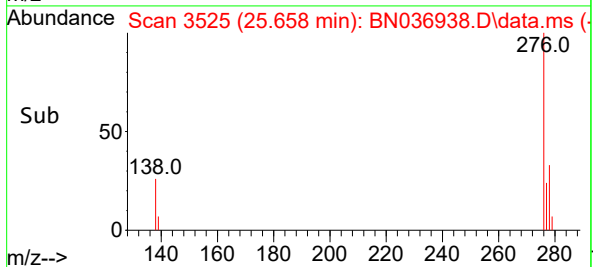
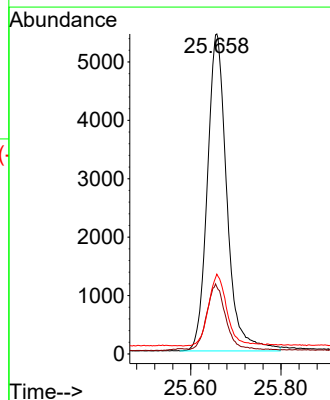
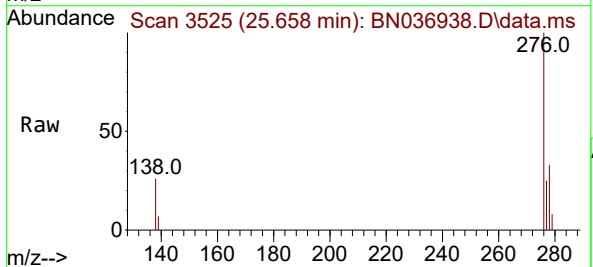
Tgt Ion:278 Resp: 16267

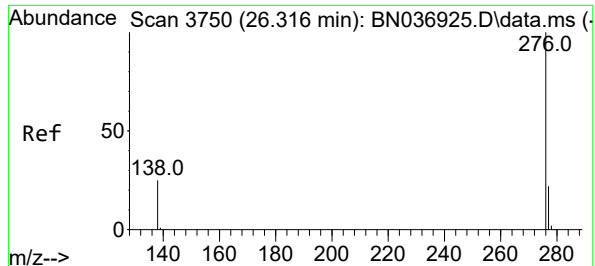
Ion Ratio Lower Upper

278 100

139 21.0 17.4 26.2

279 25.0 24.9 37.3





#41

Benzo(g,h,i)perylene

Concen: 0.849 ng

RT: 26.324 min Scan# 31

Delta R.T. 0.009 min

Lab File: BN036938.D

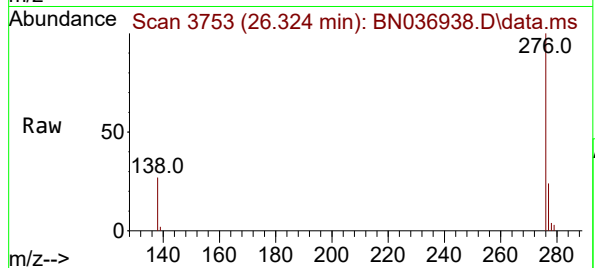
Acq: 29 Apr 2025 14:17

Instrument :

BNA_N

ClientSampleId :

38072-010925DL2



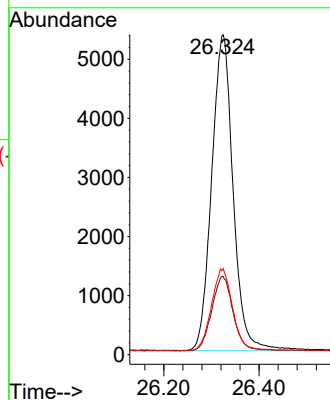
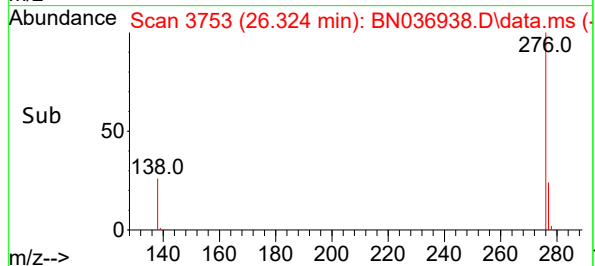
Tgt Ion:276 Resp: 16655

Ion Ratio Lower Upper

276 100

277 24.5 20.2 30.2

138 26.9 21.9 32.9



Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN042925\
 Data File : BN036934.D
 Acq On : 29 Apr 2025 09:53
 Operator : RC/JU
 Sample : PB167728BL
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 PB167728BL

A
B
C
D
E
F
G
H
I
J
K

Quant Time: Apr 29 10:49:30 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	2379	0.400	ng	0.00
7) Naphthalene-d8	10.415	136	5573	0.400	ng	# 0.00
13) Acenaphthene-d10	14.277	164	2873	0.400	ng	0.00
19) Phenanthrene-d10	17.021	188	5718	0.400	ng	0.00
29) Chrysene-d12	21.215	240	4280	0.400	ng	0.00
35) Perylene-d12	23.424	264	3789	0.400	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.228	112	2056	0.338	ng	0.00
5) Phenol-d6	6.809	99	2289	0.306	ng	0.00
8) Nitrobenzene-d5	8.781	82	1914	0.328	ng	0.00
11) 2-Methylnaphthalene-d10	12.016	152	2522	0.324	ng	0.01
14) 2,4,6-Tribromophenol	15.780	330	349	0.273	ng	0.01
15) 2-Fluorobiphenyl	12.904	172	4916	0.354	ng	0.00
27) Fluoranthene-d10	19.059	212	5308	0.358	ng	0.00
31) Terphenyl-d14	19.667	244	3694	0.366	ng	0.00

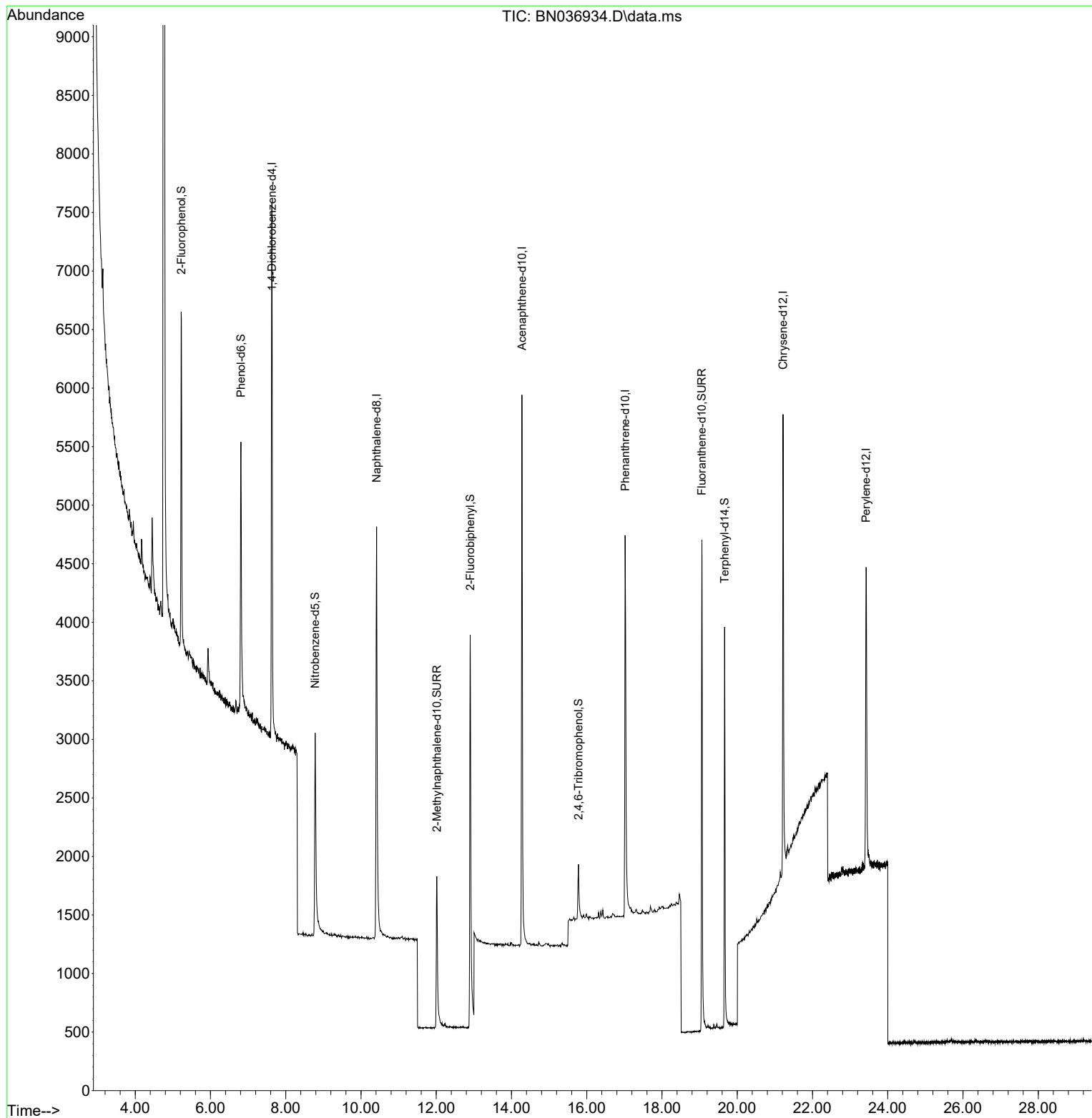
Target Compounds	Qvalue

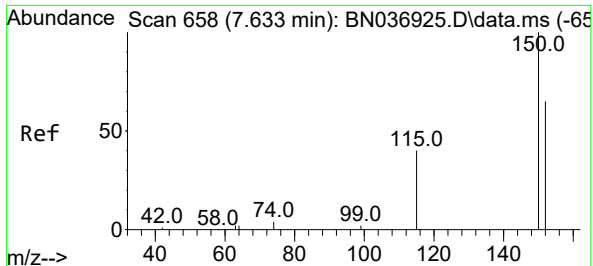
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN042925\
Data File : BN036934.D
Acq On : 29 Apr 2025 09:53
Operator : RC/JU
Sample : PB167728BL
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
PB167728BL

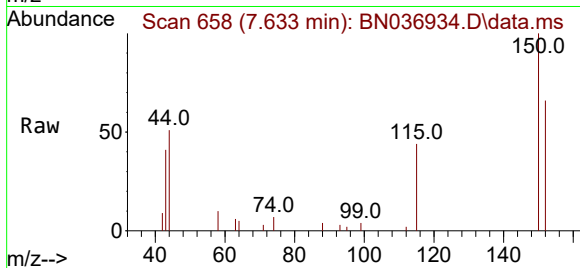
Quant Time: Apr 29 10:49:30 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN042825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Apr 28 15:35:03 2025
Response via : Initial Calibration



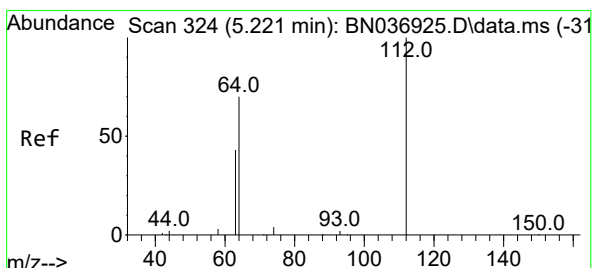
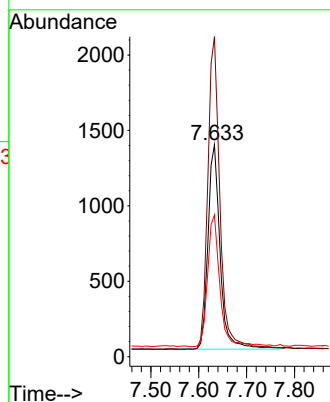
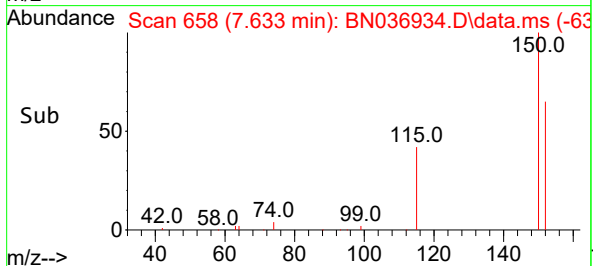


#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.633 min Scan# 61
Delta R.T. -0.000 min
Lab File: BN036934.D
Acq: 29 Apr 2025 09:53

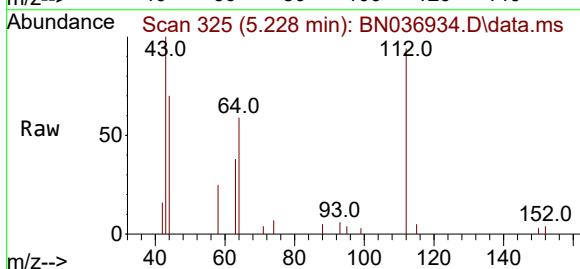
Instrument :
BNA_N
ClientSampleId :
PB167728BL



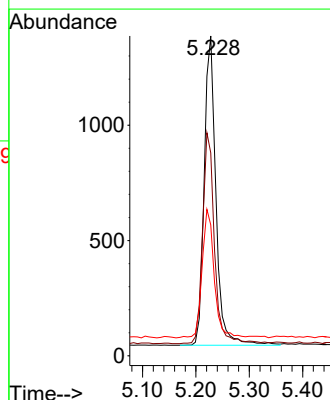
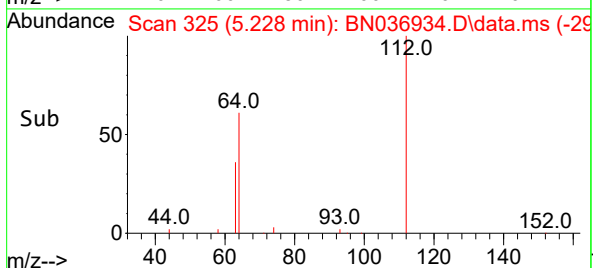
Tgt Ion:152 Resp: 2379
Ion Ratio Lower Upper
152 100
150 150.9 121.1 181.7
115 66.9 51.8 77.6

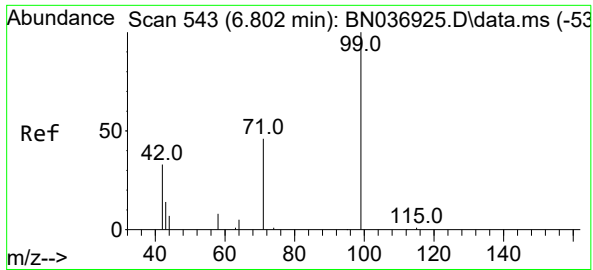


#4
2-Fluorophenol
Concen: 0.338 ng
RT: 5.228 min Scan# 325
Delta R.T. 0.007 min
Lab File: BN036934.D
Acq: 29 Apr 2025 09:53



Tgt Ion:112 Resp: 2056
Ion Ratio Lower Upper
112 100
64 68.1 55.7 83.5
63 42.8 33.9 50.9

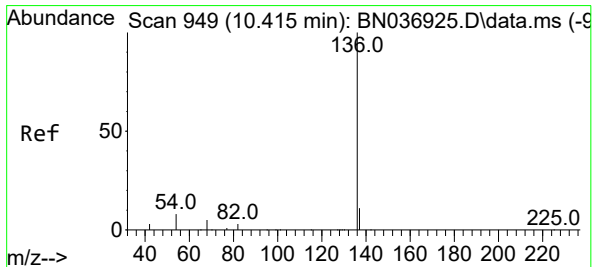
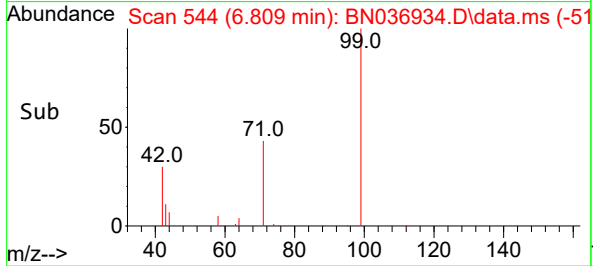
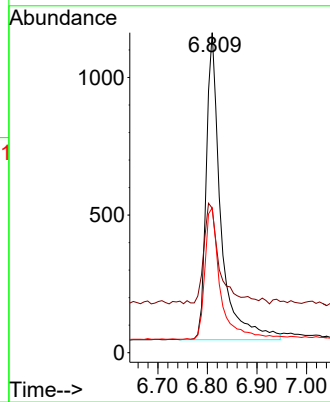
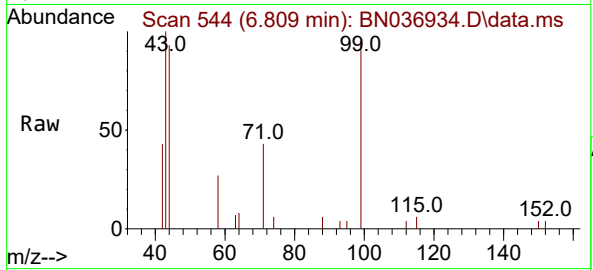




#5
Phenol-d6
Concen: 0.306 ng
RT: 6.809 min Scan# 543
Delta R.T. 0.007 min
Lab File: BN036934.D
Acq: 29 Apr 2025 09:53

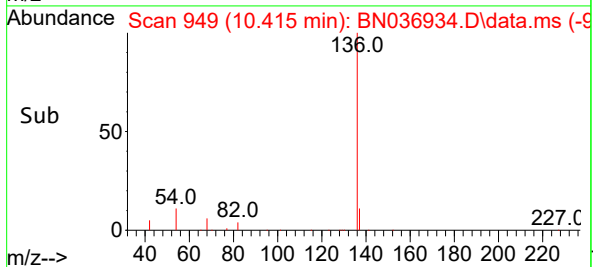
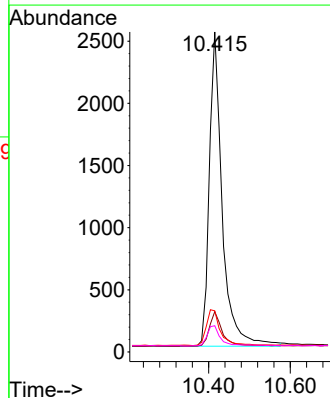
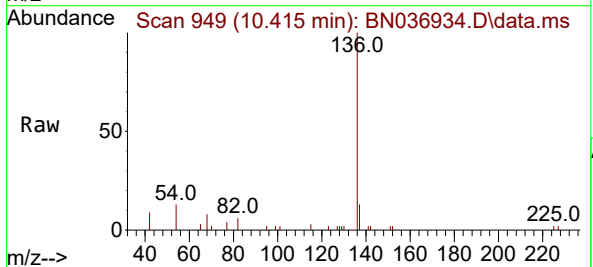
Instrument :
BNA_N
ClientSampleId :
PB167728BL

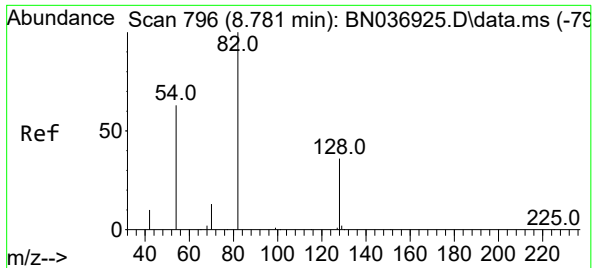
Tgt Ion: 99 Resp: 2289
Ion Ratio Lower Upper
99 100
42 36.1 29.6 44.4
71 45.8 36.0 54.0



#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.415 min Scan# 949
Delta R.T. -0.000 min
Lab File: BN036934.D
Acq: 29 Apr 2025 09:53

Tgt Ion: 136 Resp: 5573
Ion Ratio Lower Upper
136 100
137 12.6 9.7 14.5
54 12.9 8.0 12.0#
68 8.2 5.1 7.7#



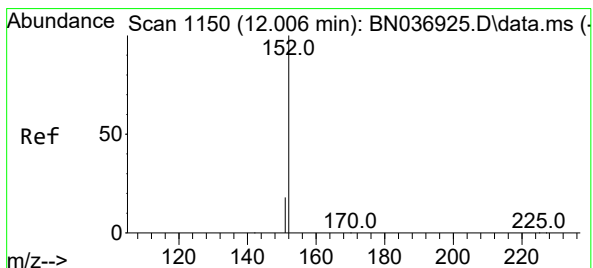
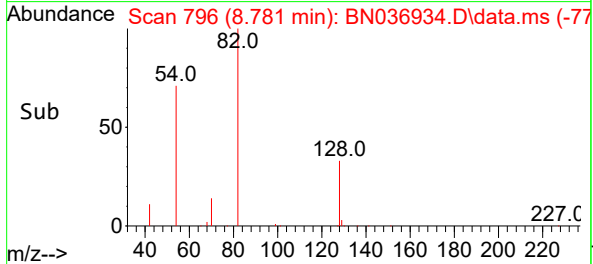
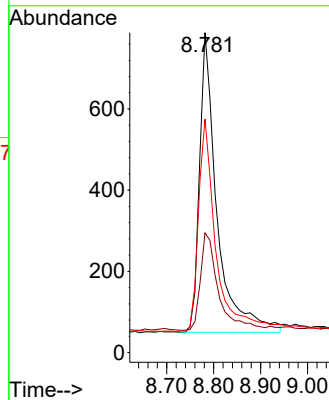
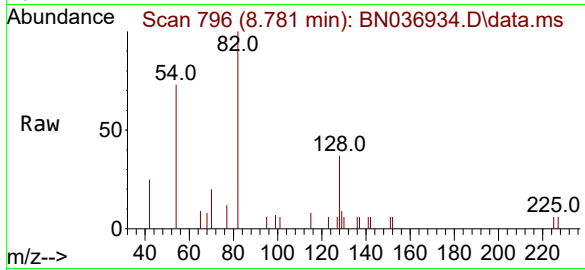


#8
Nitrobenzene-d5
Concen: 0.328 ng
RT: 8.781 min Scan# 796
Delta R.T. -0.000 min
Lab File: BN036934.D
Acq: 29 Apr 2025 09:53

Instrument :
BNA_N
ClientSampleId :
PB167728BL

Tgt Ion: 82 Resp: 1914

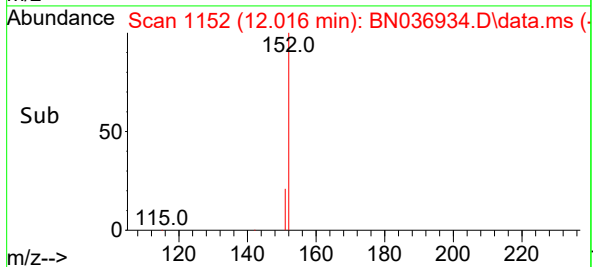
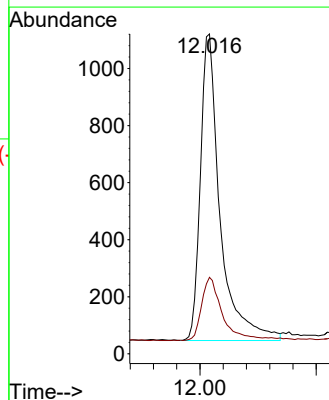
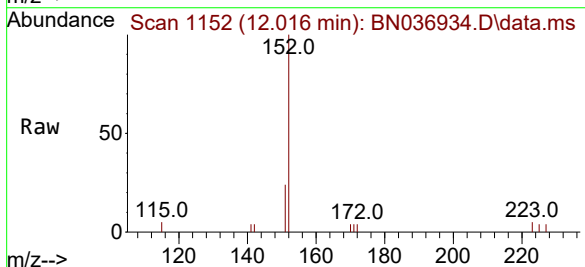
Ion	Ratio	Lower	Upper
82	100		
128	37.4	30.7	46.1
54	73.0	52.1	78.1

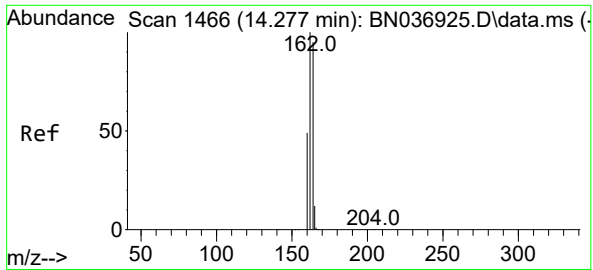


#11
2-Methylnaphthalene-d10
Concen: 0.324 ng
RT: 12.016 min Scan# 1152
Delta R.T. 0.010 min
Lab File: BN036934.D
Acq: 29 Apr 2025 09:53

Tgt Ion: 152 Resp: 2522

Ion	Ratio	Lower	Upper
152	100		
151	21.3	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: BN036934.D

Acq: 29 Apr 2025 09:53

Instrument :

BNA_N

ClientSampleId :

PB167728BL

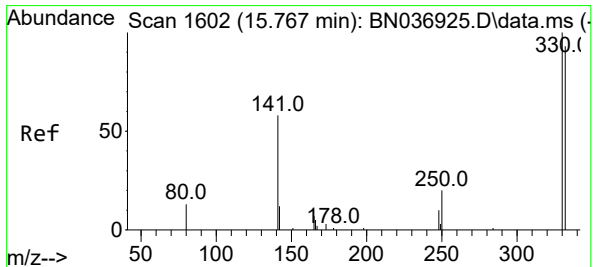
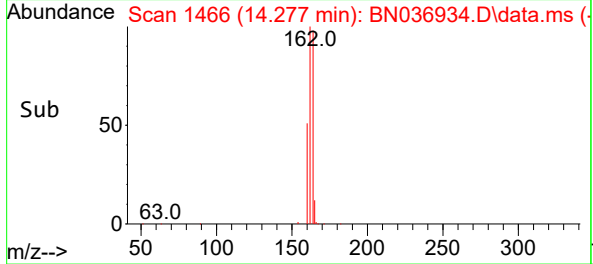
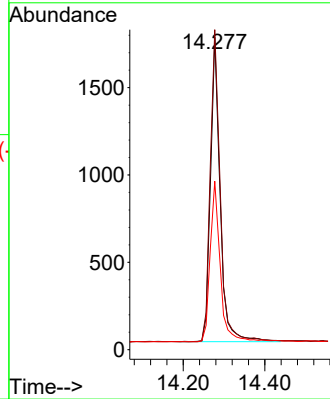
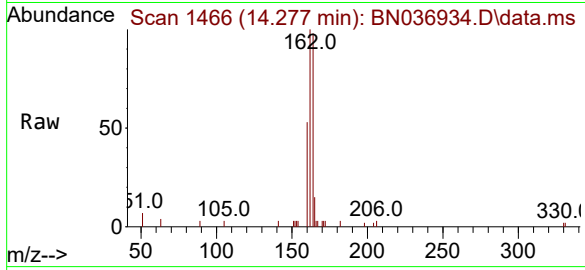
Tgt Ion:164 Resp: 2873

Ion Ratio Lower Upper

164 100

162 102.4 83.8 125.8

160 53.9 42.0 63.0



#14

2,4,6-Tribromophenol

Concen: 0.273 ng

RT: 15.780 min Scan# 1603

Delta R.T. 0.012 min

Lab File: BN036934.D

Acq: 29 Apr 2025 09:53

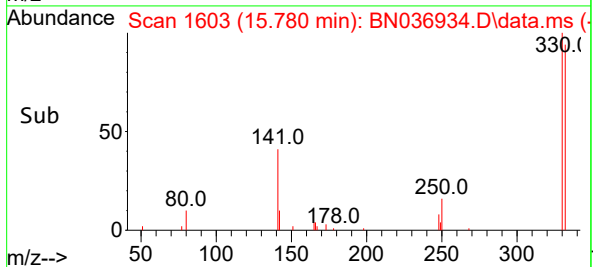
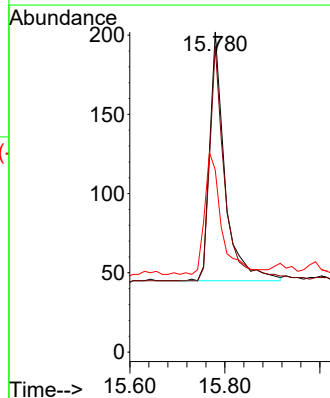
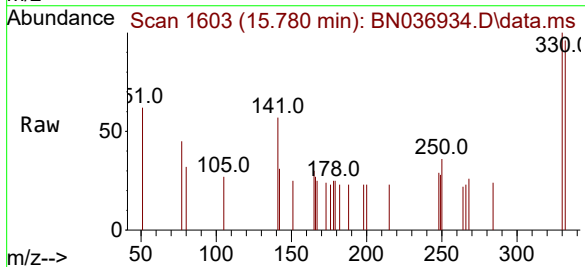
Tgt Ion:330 Resp: 349

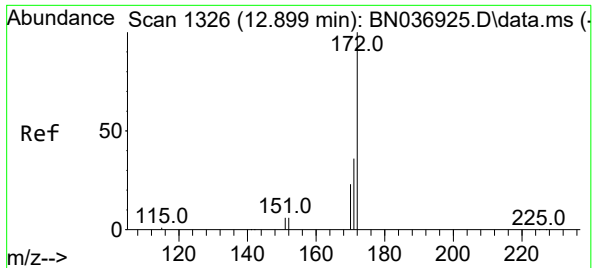
Ion Ratio Lower Upper

330 100

332 94.0 76.3 114.5

141 54.2 45.4 68.2

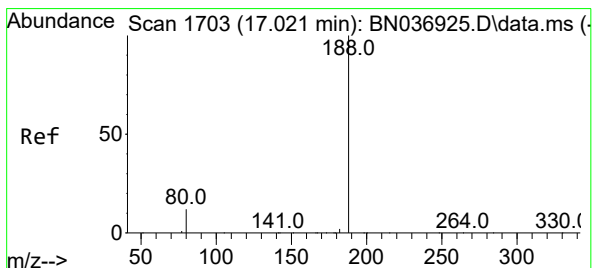
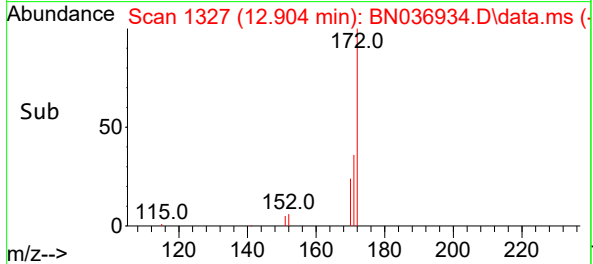
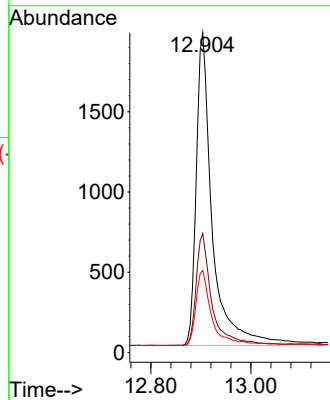
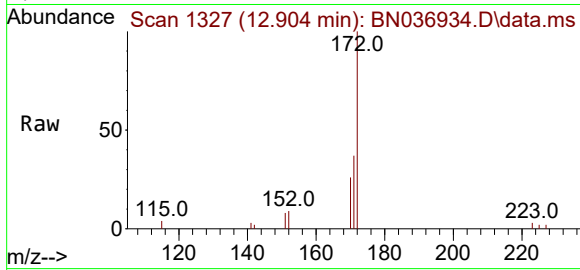




#15
2-Fluorobiphenyl
Concen: 0.354 ng
RT: 12.904 min Scan# 11
Delta R.T. 0.005 min
Lab File: BN036934.D
Acq: 29 Apr 2025 09:53

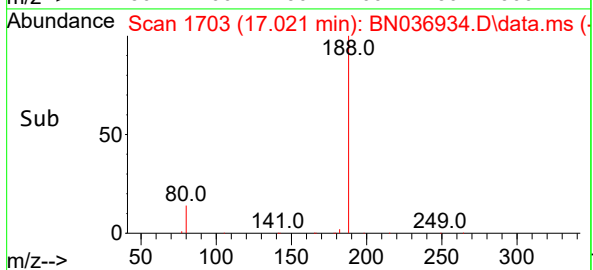
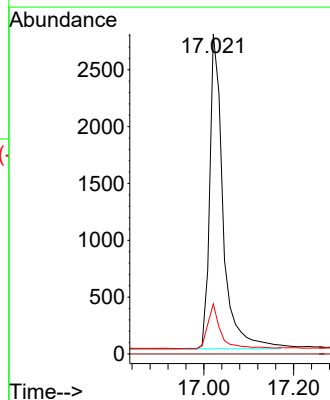
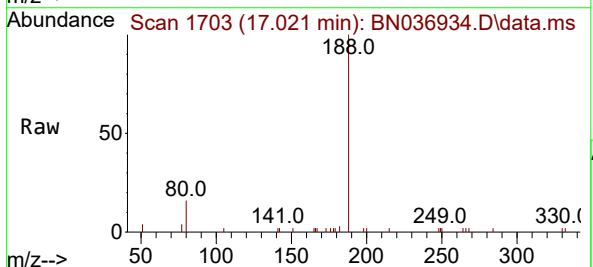
Instrument :
BNA_N
ClientSampleId :
PB167728BL

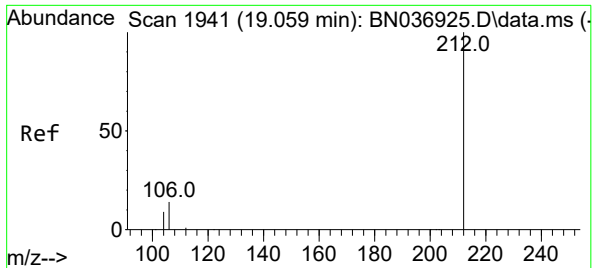
Tgt Ion:	172	Resp:	4916
Ion Ratio	Lower	Upper	
172	100		
171	37.2	29.4	44.0
170	25.7	19.4	29.0



#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.021 min Scan# 1703
Delta R.T. -0.000 min
Lab File: BN036934.D
Acq: 29 Apr 2025 09:53

Tgt Ion:	188	Resp:	5718
Ion Ratio	Lower	Upper	
188	100		
94	0.0	0.0	0.0
80	15.7	10.7	16.1





#27

Fluoranthene-d10

Concen: 0.358 ng

RT: 19.059 min Scan# 1941

Delta R.T. -0.000 min

Lab File: BN036934.D

Acq: 29 Apr 2025 09:53

Instrument :

BNA_N

ClientSampleId :

PB167728BL

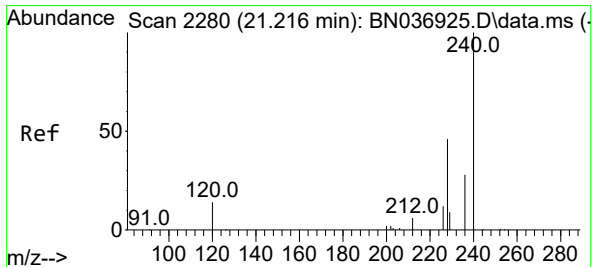
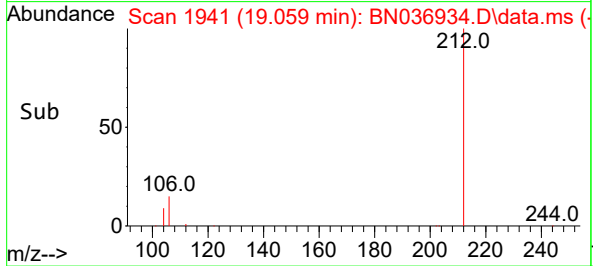
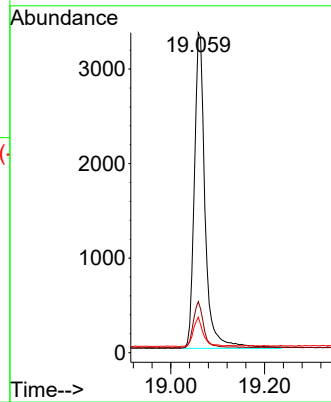
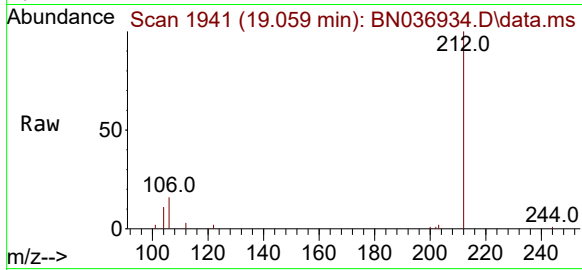
Tgt Ion:212 Resp: 5308

Ion Ratio Lower Upper

212 100

106 14.0 11.6 17.4

104 8.8 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: BN036934.D

Acq: 29 Apr 2025 09:53

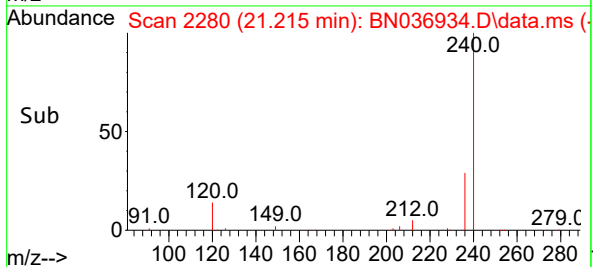
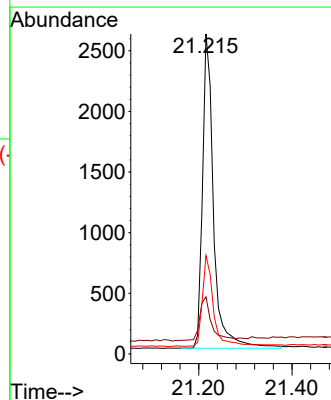
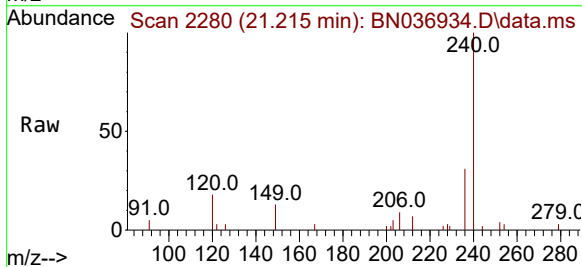
Tgt Ion:240 Resp: 4280

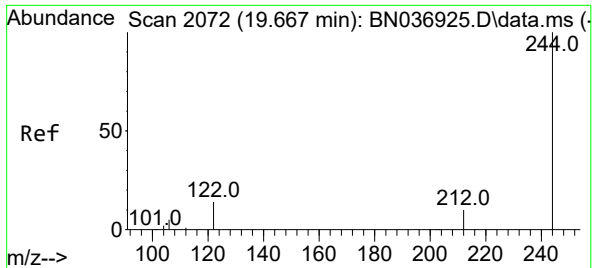
Ion Ratio Lower Upper

240 100

120 17.8 14.1 21.1

236 30.8 23.8 35.8

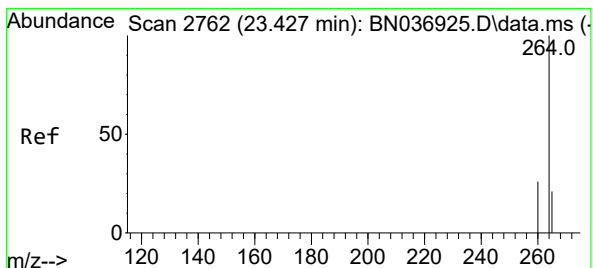
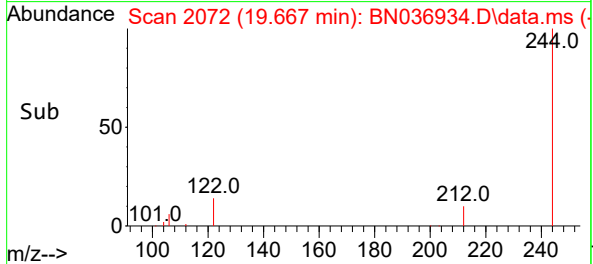
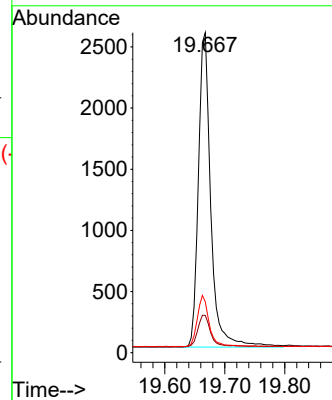
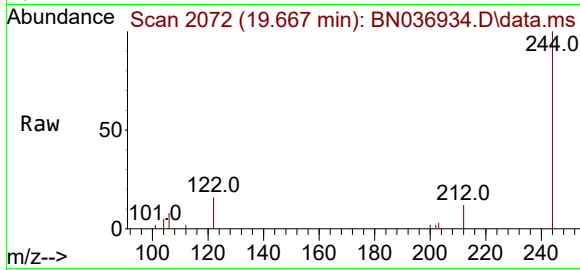




#31
Terphenyl-d14
Concen: 0.366 ng
RT: 19.667 min Scan# 2072
Delta R.T. -0.000 min
Lab File: BN036934.D
Acq: 29 Apr 2025 09:53

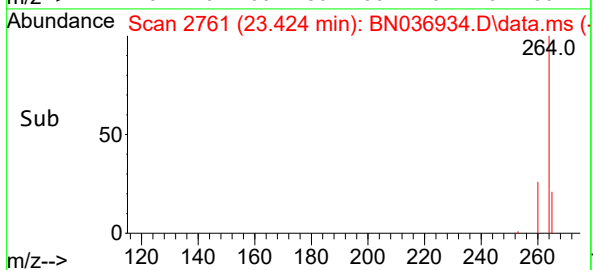
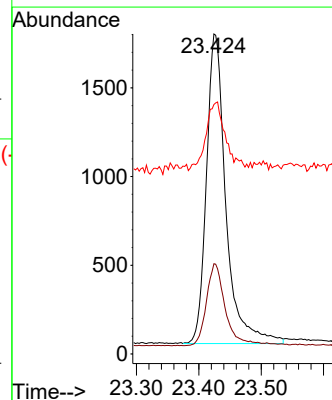
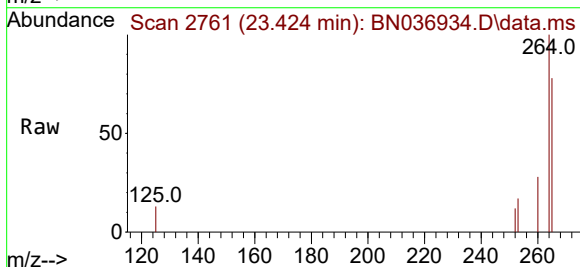
Instrument :
BNA_N
ClientSampleId :
PB167728BL

Tgt Ion	Ratio	Lower	Upper
244	100		
212	11.6	9.6	14.4
122	15.9	12.7	19.1



#35
Perylene-d12
Concen: 0.400 ng
RT: 23.424 min Scan# 2761
Delta R.T. -0.003 min
Lab File: BN036934.D
Acq: 29 Apr 2025 09:53

Tgt Ion	Ratio	Lower	Upper
264	100		
260	28.2	22.2	33.2
265	77.9	65.8	98.6



Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN042925\
 Data File : BN036939.D
 Acq On : 29 Apr 2025 14:54
 Operator : RC/JU
 Sample : PB167728BS
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 PB167728BS

Manual Integrations
 APPROVED

Reviewed By :Rahul Chavli 04/30/2025
 Supervised By :Jagrut Upadhyay 04/30/2025

Quant Time: Apr 29 17:05:30 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	2630	0.400	ng	0.00
7) Naphthalene-d8	10.415	136	6464	0.400	ng	0.00
13) Acenaphthene-d10	14.277	164	3313	0.400	ng	0.00
19) Phenanthrene-d10	17.021	188	6630	0.400	ng	0.00
29) Chrysene-d12	21.215	240	4615	0.400	ng	0.00
35) Perylene-d12	23.427	264	3648	0.400	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.228	112	2288	0.340	ng	0.00
5) Phenol-d6	6.802	99	2763	0.334	ng	0.00
8) Nitrobenzene-d5	8.781	82	2355	0.348	ng	0.00
11) 2-Methylnaphthalene-d10	12.006	152	3375m	0.373	ng	0.00
14) 2,4,6-Tribromophenol	15.767	330	425	0.288	ng	0.00
15) 2-Fluorobiphenyl	12.899	172	5876	0.367	ng	0.00
27) Fluoranthene-d10	19.059	212	5638	0.328	ng	0.00
31) Terphenyl-d14	19.667	244	3891	0.357	ng	0.00
Target Compounds						
2) 1,4-Dioxane	3.148	88	987	0.301	ng	# 29
3) n-Nitrosodimethylamine	3.458	42	2316	0.364	ng	# 96
6) bis(2-Chloroethyl)ether	7.062	93	2793	0.364	ng	100
9) Naphthalene	10.458	128	6723	0.357	ng	99
10) Hexachlorobutadiene	10.746	225	1495	0.367	ng	# 98
12) 2-Methylnaphthalene	12.082	142	4170	0.343	ng	99
16) Acenaphthylene	13.989	152	5922	0.366	ng	100
17) Acenaphthene	14.341	154	3799	0.357	ng	100
18) Fluorene	15.325	166	4845	0.348	ng	99
20) 4,6-Dinitro-2-methylph...	15.410	198	500	0.285	ng	# 84
21) 4-Bromophenyl-phenylether	16.227	248	1453	0.328	ng	97
22) Hexachlorobenzene	16.338	284	1684	0.347	ng	99
23) Atrazine	16.500	200	1212	0.339	ng	100
24) Pentachlorophenol	16.673	266	1129	0.434	ng	98
25) Phenanthrene	17.058	178	7651	0.350	ng	100
26) Anthracene	17.158	178	6917	0.349	ng	99
28) Fluoranthene	19.091	202	8047	0.328	ng	99
30) Pyrene	19.454	202	8127	0.366	ng	100
32) Benzo(a)anthracene	21.206	228	6248	0.368	ng	99
33) Chrysene	21.251	228	6782	0.370	ng	98
34) Bis(2-ethylhexyl)phtha...	21.144	149	3141	0.325	ng	100
36) Indeno(1,2,3-cd)pyrene	25.646	276	5275	0.354	ng	98
37) Benzo(b)fluoranthene	22.769	252	5467	0.356	ng	98
38) Benzo(k)fluoranthene	22.810	252	5750	0.373	ng	99
39) Benzo(a)pyrene	23.333	252	4786	0.380	ng	98
40) Dibenzo(a,h)anthracene	25.661	278	4085	0.348	ng	97
41) Benzo(g,h,i)perylene	26.324	276	4245	0.326	ng	99

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

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN042925\
 Data File : BN036939.D
 Acq On : 29 Apr 2025 14:54
 Operator : RC/JU
 Sample : PB167728BS
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :

BNA_N

ClientSampleId :

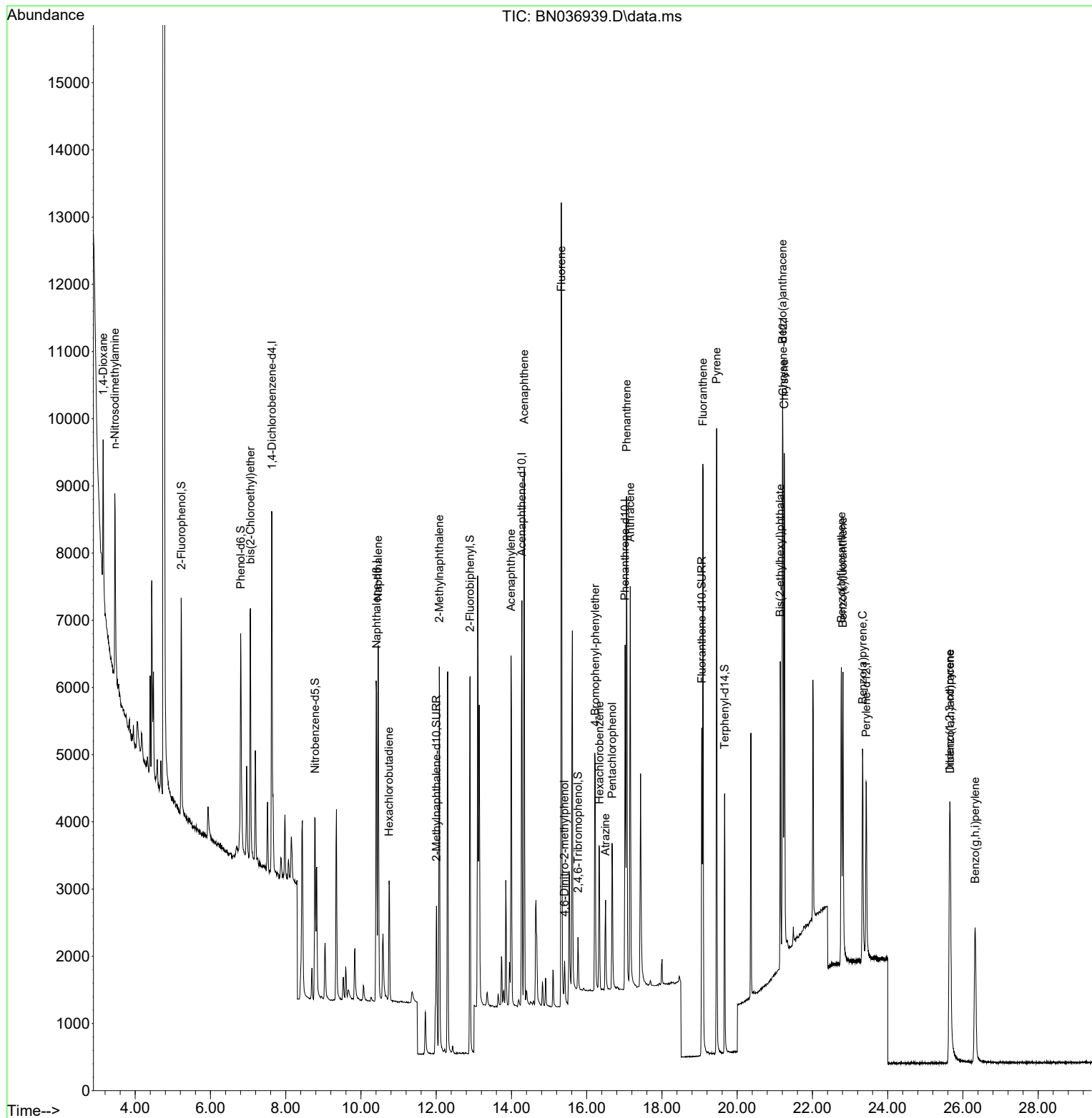
PB167728BS

Manual Integrations**APPROVED**

Reviewed By :Rahul Chavli 04/30/2025

Supervised By :Jagrut Upadhyay 04/30/2025

Quant Time: Apr 29 17:05:30 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



Manual Integration Report

Sequence:	BN042825	Instrument	BNA_n
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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



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

Manual Integration Report

Sequence:	BN042925	Instrument	BNA_n
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Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
PB167728BS	BN036939.D	2-Methylnaphthalene-d10	Rahul	4/30/2025 11:37:30 AM	Jagrut	4/30/2025 12:40:19 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	SSTDIC0.1	BN036923.D	28 Apr 2025 11:35	RC/JU	Ok,M
3	SSTDIC0.2	BN036924.D	28 Apr 2025 12:11	RC/JU	Ok,M
4	SSTDIC0.4	BN036925.D	28 Apr 2025 12:47	RC/JU	Ok
5	SSTDIC0.8	BN036926.D	28 Apr 2025 13:24	RC/JU	Ok
6	SSTDIC1.6	BN036927.D	28 Apr 2025 14:00	RC/JU	Ok
7	SSTDIC3.2	BN036928.D	28 Apr 2025 14:36	RC/JU	Ok
8	SSTDIC5.0	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 # BN042925

Review By	Rahul	Review On	4/30/2025 11:39:11 AM
Supervise By	Jagrut	Supervise On	5/7/2025 1:59:53 PM
SubDirectory	BN042925	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	BN036932.D	29 Apr 2025 08:38	RC/JU	Ok
2	SSTDCCC0.4	BN036933.D	29 Apr 2025 09:17	RC/JU	Ok
3	PB167728BL	BN036934.D	29 Apr 2025 09:53	RC/JU	Ok
4	Q1502-21DL	BN036935.D	29 Apr 2025 10:46	RC/JU	Ok
5	Q1870-01	BN036936.D	29 Apr 2025 13:05	RC/JU	Dilution
6	Q1870-01DL	BN036937.D	29 Apr 2025 13:41	RC/JU	Dilution
7	Q1870-01DL2	BN036938.D	29 Apr 2025 14:17	RC/JU	Ok
8	PB167728BS	BN036939.D	29 Apr 2025 14:54	RC/JU	Ok,M

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 # BN042925

Review By	Rahul	Review On	4/30/2025 11:39:11 AM
Supervise By	Jagrut	Supervise On	5/7/2025 1:59:53 PM
SubDirectory	BN042925	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	BN036932.D	29 Apr 2025 08:38		RC/JU	Ok
2	SSTDCCC0.4	SSTDCCC0.4	BN036933.D	29 Apr 2025 09:17		RC/JU	Ok
3	PB167728BL	PB167728BL	BN036934.D	29 Apr 2025 09:53		RC/JU	Ok
4	Q1502-21DL	RR-PAH-WPDL	BN036935.D	29 Apr 2025 10:46		RC/JU	Ok
5	Q1870-01	38072-010925	BN036936.D	29 Apr 2025 13:05	PT Sample, Need 50X Dilution	RC/JU	Dilution
6	Q1870-01DL	38072-010925DL	BN036937.D	29 Apr 2025 13:41	Need 500X dilution	RC/JU	Dilution
7	Q1870-01DL2	38072-010925DL2	BN036938.D	29 Apr 2025 14:17		RC/JU	Ok
8	PB167728BS	PB167728BS	BN036939.D	29 Apr 2025 14:54		RC/JU	Ok,M

M : Manual Integration

SOP ID: M3510C,3580A-Extraction SVOC-20

Clean Up SOP #: N/A

Matrix : Water

Weigh By: N/A

Balance check: N/A

Balance ID: N/A

pH Strip Lot#: E3880

Extraction By: RS

Filter By: RJ

pH Meter ID: N/A

Hood ID: 4,6,7

Extraction Start Date : 04/24/2025

Extraction Start Time : 12:05

Extraction End Date : 04/24/2025

Extraction End Time : 17:00

Concentration By: EH

Supervisor By : RUPESH

Extraction Method: ☒ Separatory Funnel ☐ Continuous Liquid/Liquid ☐ Sonication ☐ Waste Dilution ☐ Soxhlet

Standard Name	MLS USED	Concentration ug/mL	STD REF. # FROM LOG
Spike Sol 1	1.0ML	0.4 PPM	SP6739
Surrogate	1.0ML	0.4 PPM	SP6758
N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A

Chemical Used	ML/SAMPLE USED	Lot Number
Methylene Chloride	N/A	E3926
Baked Na2SO4	N/A	EP2604
10N NaoH	N/A	EP2559
H2SO4 1:1	N/A	EP2565
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A

Extraction Conformance/Non-Conformance Comments:

1.5 ML Vial lot# 2210673. pH Adjusted<2 with 1:1 H2SO4 &>11 with 10 N NaOH.

KD Bath ID: WATER BATH-1

KD Bath Temperature: 60 °C

Envap ID: NEVAP-02

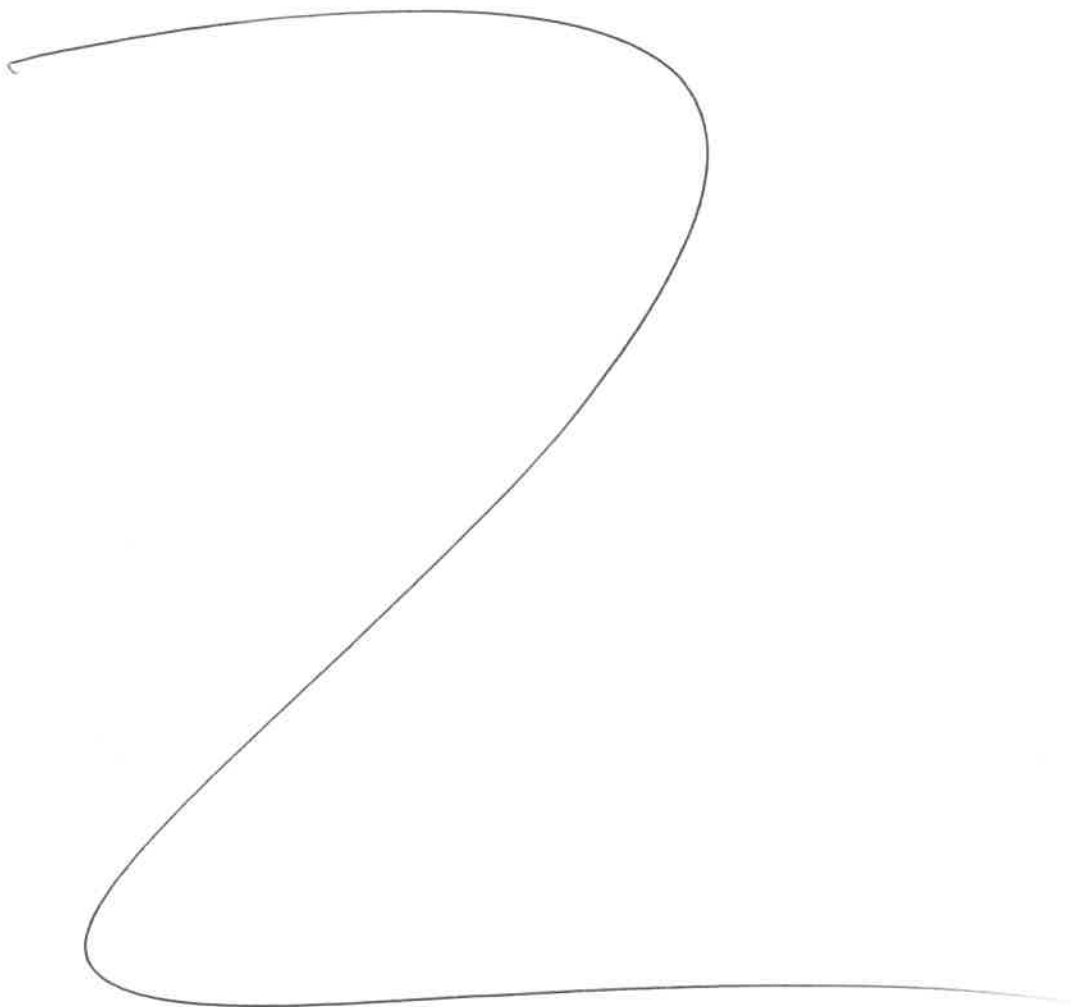
Envap Temperature: 40 °C

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
4/24/25	RS (Ext Lab)	JH / SVOC
17:05	Preparation Group	Analysis Group

Analytical Method: M3510C,3580A-Extraction SVOC-20

Concentration Date: 04/24/2025

Sample ID	Client Sample ID	Test	g / <u>mL</u>	PH	Surr/Spike By:		Final Vol. (mL)	JarID	Comments	Prep Pos
					AddedBy	VerifiedBy				
PB167728BL	SBLK728	SVOCMS Group5	1000	6	RUPESH	ritesh	1			SEP-1
PB167728BS	SLCS728	SVOCMS Group5	1000	6	RUPESH	ritesh	1			2
Q1870-01	38072-010925	SVOCMS Group5	1000	6	RUPESH	ritesh	1			3



RS
4/24

167708 NW
12:05

WORKLIST(Hardcopy Internal Chain)

WorkList Name : Q1870

WorkList ID : 189128

Department : Extraction

Date : 04-24-2025 12:02:25

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q1870-01	38072-010925	Water	SVOCMS Group5	Cool 4 deg C	ALLI03	QA Of	04/21/2025	8270-Modified
Q1870-03	38073-100124	Water	SVOCMS Group2	Cool 4 deg C	ALLI03	QA Of	04/22/2025	8270E

Date/Time 4/24/25 12:03
Raw Sample Received by: RS (Ext-Lab)
Raw Sample Relinquished by: SJ (QA)

Date/Time NA
Raw Sample Received by: N/A
Raw Sample Relinquished by: N/A

LAB CHRONICLE

OrderID:	Q1870	OrderDate:	4/24/2025 11:31:00 AM
Client:	Alliance Technical Group, LLC - Newark	Project:	NJ Waste Water PT
Contact:	Mohammad Ahmed	Location:	QA Office

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q1870-01	38072-010925	Water			04/21/25			04/23/25
			SVOCMS Group5	8270-Modified		04/24/25	04/29/25	
Q1870-01DL	38072-010925DL	Water			04/21/25			04/23/25
			SVOCMS Group5	8270-Modified		04/24/25	04/29/25	
Q1870-01DL 2	38072-010925DL2	Water			04/21/25			04/23/25
			SVOCMS Group5	8270-Modified		04/24/25	04/29/25	
Q1870-03	38073-100124	Water			04/22/25			04/24/25
			SVOCMS Group2	8270E		04/24/25	04/29/25	