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Hit Summary Sheet
SW-846

SDG No.: Q2073
Client: G Environmental

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



SAMPLE DATA

Report of Analysis

Client:	G Environmental	Date Collected:	05/16/25
Project:	Nelson	Date Received:	05/16/25
Client Sample ID:	GDW1	SDG No.:	Q2073
Lab Sample ID:	Q2073-01	Matrix:	Water
Analytical Method:	SW8270ESIM	% Solid:	0
Sample Wt/Vol:	980 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-SIMGroup1
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BN037086.D	1	05/21/25 08:41	05/27/25 14:35	PB168100

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
56-55-3	Benzo(a)anthracene	0.040	U	0.040	0.10	ug/L
205-99-2	Benzo(b)fluoranthene	0.040	U	0.040	0.10	ug/L
207-08-9	Benzo(k)fluoranthene	0.050	U	0.050	0.10	ug/L
50-32-8	Benzo(a)pyrene	0.040	U	0.040	0.10	ug/L
191-24-2	Benzo(g,h,i)perylene	0.040	U	0.040	0.10	ug/L
SURROGATES						
7297-45-2	2-Methylnaphthalene-d10	0.29		30 (20) - 150 (139)	73%	SPK: 0.4
93951-69-0	Fluoranthene-d10	0.34		30 (30) - 150 (150)	84%	SPK: 0.4
4165-60-0	Nitrobenzene-d5	0.30		30 (27) - 130 (154)	74%	SPK: 0.4
321-60-8	2-Fluorobiphenyl	0.44		30 (25) - 130 (149)	111%	SPK: 0.4
1718-51-0	Terphenyl-d14	0.72	*	30 (54) - 130 (175)	179%	SPK: 0.4
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	1860		7.611		
1146-65-2	Naphthalene-d8	4730		10.394		
15067-26-2	Acenaphthene-d10	2640		14.256		
1517-22-2	Phenanthrene-d10	4980		17.009		
1719-03-5	Chrysene-d12	3200		21.198		
1520-96-3	Perylene-d12	2830		23.401		

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:	G Environmental	Date Collected:	05/16/25
Project:	Nelson	Date Received:	05/16/25
Client Sample ID:	GDW2	SDG No.:	Q2073
Lab Sample ID:	Q2073-02	Matrix:	Water
Analytical Method:	SW8270ESIM	% Solid:	0
Sample Wt/Vol:	960 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-SIMGroup1
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BN037087.D	1	05/21/25 08:41	05/27/25 15:11	PB168100

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
56-55-3	Benzo(a)anthracene	0.040	U	0.040	0.10	ug/L
205-99-2	Benzo(b)fluoranthene	0.040	U	0.040	0.10	ug/L
207-08-9	Benzo(k)fluoranthene	0.050	U	0.050	0.10	ug/L
50-32-8	Benzo(a)pyrene	0.040	U	0.040	0.10	ug/L
191-24-2	Benzo(g,h,i)perylene	0.040	U	0.040	0.10	ug/L
SURROGATES						
7297-45-2	2-Methylnaphthalene-d10	0.27		30 (20) - 150 (139)	67%	SPK: 0.4
93951-69-0	Fluoranthene-d10	0.34		30 (30) - 150 (150)	86%	SPK: 0.4
4165-60-0	Nitrobenzene-d5	0.27		30 (27) - 130 (154)	68%	SPK: 0.4
321-60-8	2-Fluorobiphenyl	0.36		30 (25) - 130 (149)	89%	SPK: 0.4
1718-51-0	Terphenyl-d14	0.55	*	30 (54) - 130 (175)	137%	SPK: 0.4
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	1830		7.611		
1146-65-2	Naphthalene-d8	4850		10.394		
15067-26-2	Acenaphthene-d10	2750		14.256		
1517-22-2	Phenanthrene-d10	5540		17.009		
1719-03-5	Chrysene-d12	3940		21.198		
1520-96-3	Perylene-d12	3310		23.401		

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.: Q2073

Client: G Environmental

Analytical Method: 8270-Modified

Lab Sample ID	Client ID	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%)	
							Low	High
PB168100BL	PB168100BL	2-Methylnaphthalene-d10	0.4	0.36	90		30 (20)	150 (139)
		Fluoranthene-d10	0.4	0.33	83		30 (30)	150 (150)
		Nitrobenzene-d5	0.4	0.34	86		30 (27)	130 (154)
		2-Fluorobiphenyl	0.4	0.35	88		30 (25)	130 (149)
		Terphenyl-d14	0.4	0.46	115		30 (54)	130 (175)
PB168100BS	PB168100BS	2-Methylnaphthalene-d10	0.4	0.38	94		30 (20)	150 (139)
		Fluoranthene-d10	0.4	0.28	69		30 (30)	150 (150)
		Nitrobenzene-d5	0.4	0.33	83		30 (27)	130 (154)
		2-Fluorobiphenyl	0.4	0.35	86		30 (25)	130 (149)
		Terphenyl-d14	0.4	0.37	92		30 (54)	130 (175)
PB168100BSD	PB168100BSD	2-Methylnaphthalene-d10	0.4	0.36	90		30 (20)	150 (139)
		Fluoranthene-d10	0.4	0.29	73		30 (30)	150 (150)
		Nitrobenzene-d5	0.4	0.35	86		30 (27)	130 (154)
		2-Fluorobiphenyl	0.4	0.39	98		30 (25)	130 (149)
		Terphenyl-d14	0.4	0.38	95		30 (54)	130 (175)
Q2073-01	GDW1	2-Methylnaphthalene-d10	0.4	0.29	73		30 (20)	150 (139)
		Fluoranthene-d10	0.4	0.34	84		30 (30)	150 (150)
		Nitrobenzene-d5	0.4	0.30	74		30 (27)	130 (154)
		2-Fluorobiphenyl	0.4	0.44	111		30 (25)	130 (149)
		Terphenyl-d14	0.4	0.72	179	*	30 (54)	130 (175)
Q2073-02	GDW2	2-Methylnaphthalene-d10	0.4	0.27	67		30 (20)	150 (139)
		Fluoranthene-d10	0.4	0.34	86		30 (30)	150 (150)
		Nitrobenzene-d5	0.4	0.27	68		30 (27)	130 (154)
		2-Fluorobiphenyl	0.4	0.36	89		30 (25)	130 (149)
		Terphenyl-d14	0.4	0.55	137	*	30 (54)	130 (175)

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q2073

Client: G Environmental

Analytical Method: 8270-Modified DataFile: BN037124.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD		Limits		RPD
								Qual	Low	High		
PB168100BS	Benzo(a)anthracene	0.4	0.34	ug/L	85				70 (54)	130 (130)		
	Benzo(b)fluoranthene	0.4	0.32	ug/L	80				70 (65)	130 (121)		
	Benzo(k)fluoranthene	0.4	0.34	ug/L	85				70 (72)	130 (119)		
	Benzo(a)pyrene	0.4	0.36	ug/L	90				70 (68)	130 (120)		
	Benzo(g,h,i)perylene	0.4	0.40	ug/L	100				70 (76)	130 (117)		

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q2073

Client: G Environmental

Analytical Method: 8270-Modified DataFile: BN037125.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	RPD		Limits		
							Qual	Qual	Low	High	RPD
PB168100BSD	Benzo(a)anthracene	0.4	0.35	ug/L	88	3			70 (54)	130 (130)	20 (20)
	Benzo(b)fluoranthene	0.4	0.33	ug/L	83	3			70 (65)	130 (121)	20 (20)
	Benzo(k)fluoranthene	0.4	0.36	ug/L	90	6			70 (72)	130 (119)	20 (20)
	Benzo(a)pyrene	0.4	0.37	ug/L	93	3			70 (68)	130 (120)	20 (20)
	Benzo(g,h,i)perylene	0.4	0.43	ug/L	108	7			70 (76)	130 (117)	20 (20)

4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB168100BL

Lab Name: CHEMTECH

Contract: GENV01

Lab Code: CHEM Case No.: Q2073

SAS No.: Q2073 SDG NO.: Q2073

Lab File ID: BN037113.D

Lab Sample ID: PB168100BL

Instrument ID: BNA_N

Date Extracted: 05/21/2025

Matrix: (soil/water) Water

Date Analyzed: 05/28/2025

Level: (low/med) LOW

Time Analyzed: 17:47

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
PB168100BS	PB168100BS	BN037124.D	05/29/2025
PB168100BSD	PB168100BSD	BN037125.D	05/29/2025
GDW1	Q2073-01	BN037086.D	05/27/2025
GDW2	Q2073-02	BN037087.D	05/27/2025

COMMENTS: _____

5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH

Contract: GENV01

Lab Code: CHEM

SAS No.: Q2073

SDG NO.: Q2073

Lab File ID: BN036998.D

DFTPP Injection Date: 05/13/2025

Instrument ID: BNA_N

DFTPP Injection Time: 17:02

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	62.8
68	Less than 2.0% of mass 69	0.8 (1.4) 1
69	Mass 69 relative abundance	55.6
70	Less than 2.0% of mass 69	0.3 (0.6) 1
127	10.0 - 80.0% of mass 198	52.7
197	Less than 2.0% of mass 198	0.0
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	6.9
275	10.0 - 60.0% of mass 198	23.8
365	Greater than 1% of mass 198	3.9
441	Present, but less than mass 443	8.7
442	Greater than 50% of mass 198	100
443	15.0 - 24.0% of mass 442	10.4 (19) 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	BN036999.D	05/13/2025	17:41
SSTDICC0.2	SSTDICC0.2	BN037000.D	05/13/2025	18:17
SSTDICCC0.4	SSTDICCC0.4	BN037001.D	05/13/2025	18:53
SSTDICC0.8	SSTDICC0.8	BN037002.D	05/13/2025	19:29
SSTDICC1.6	SSTDICC1.6	BN037003.D	05/13/2025	20:05
SSTDICC3.2	SSTDICC3.2	BN037004.D	05/13/2025	20:41
SSTDICC5.0	SSTDICC5.0	BN037005.D	05/13/2025	21:17

5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH

Contract: GENV01

Lab Code: CHEM

SAS No.: Q2073

SDG NO.: Q2073

Lab File ID: BN037083.D

DFTPP Injection Date: 05/27/2025

Instrument ID: BNA_N

DFTPP Injection Time: 12:38

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	74.2
68	Less than 2.0% of mass 69	0.0 (0.0) 1
69	Mass 69 relative abundance	61.8
70	Less than 2.0% of mass 69	0.3 (0.5) 1
127	10.0 - 80.0% of mass 198	55.8
197	Less than 2.0% of mass 198	0.0
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	6.7
275	10.0 - 60.0% of mass 198	24
365	Greater than 1% of mass 198	4
441	Present, but less than mass 443	8.6
442	Greater than 50% of mass 198	100
443	15.0 - 24.0% of mass 442	10.7 (20.4) 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
SSTDCCC0.4	SSTDCCC0.4	BN037084.D	05/27/2025	13:23
GDW1	Q2073-01	BN037086.D	05/27/2025	14:35
GDW2	Q2073-02	BN037087.D	05/27/2025	15:11

5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH

Contract: GENV01

Lab Code: CHEM

SAS No.: Q2073

SDG NO.: Q2073

Lab File ID: BN037111.D

DFTPP Injection Date: 05/28/2025

Instrument ID: BNA_N

DFTPP Injection Time: 16:31

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	75.5
68	Less than 2.0% of mass 69	0.9 (1.4) 1
69	Mass 69 relative abundance	62.5
70	Less than 2.0% of mass 69	0.4 (0.6) 1
127	10.0 - 80.0% of mass 198	56.1
197	Less than 2.0% of mass 198	0.0
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	6.8
275	10.0 - 60.0% of mass 198	25.1
365	Greater than 1% of mass 198	4.6
441	Present, but less than mass 443	9.9
442	Greater than 50% of mass 198	100
443	15.0 - 24.0% of mass 442	11.5 (19.5) 2

1-Value is % mass 69

2-Value is % mass 442

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
SSTDCCC0.4	SSTDCCC0.4	BN037112.D	05/28/2025	17:11
PB168100BL	PB168100BL	BN037113.D	05/28/2025	17:47
PB168100BS	PB168100BS	BN037124.D	05/29/2025	00:23
PB168100BSD	PB168100BSD	BN037125.D	05/29/2025	00:59

8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: Q2073 SAS No.: Q2073 SDG NO.: Q2073

EPA Sample No.: SSTDCCC0.4 Date Analyzed: 05/27/2025

Lab File ID: BN037084.D Time Analyzed: 13:23

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	2081	7.611	5420	10.39	2883	14.26
UPPER LIMIT	4162	8.111	10840	10.894	5766	14.756
LOWER LIMIT	1040.5	7.111	2710	9.894	1441.5	13.756
EPA SAMPLE NO.						
01 GDW1	1858	7.61	4733	10.39	2639	14.26
02 GDW2	1828	7.61	4851	10.39	2747	14.26

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.: Q2073 SAS No.: Q2073 SDG NO.: Q2073

EPA Sample No.: SSTDCCC0.4 Date Analyzed: 05/27/2025

Lab File ID: BN037084.D Time Analyzed: 13:23

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	4953	17.009	3193	21.198	2872	23.404
UPPER LIMIT	9906	17.509	6386	21.698	5744	23.904
LOWER LIMIT	2476.5	16.509	1596.5	20.698	1436	22.904
EPA SAMPLE NO.						
01 GDW1	4979	17.01	3199	21.20	2828	23.40
02 GDW2	5537	17.01	3938	21.20	3305	23.40

IS4 (PHN) = Phenanthrene-d10

IS5 (CRY) = Chrysene-d12

IS6 (PRY) = Perylene-d12

AREA UPPER LIMIT = +100% of internal standard area

AREA LOWER LIMIT = -50% of internal standard area

RT UPPER LIMIT = +0.50 minutes of internal standard RT

RT UPPER LIMIT = -0.50 minutes of internal standard RT

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

* Values outside of QC limits.

8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: Q2073 SAS No.: Q2073 SDG NO.: Q2073

EPA Sample No.: SSTDCCC0.4 Date Analyzed: 05/28/2025

Lab File ID: BN037112.D Time Analyzed: 17:11

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	2022	7.611	5050	10.38	2480	14.26
UPPER LIMIT	4044	8.111	10100	10.883	4960	14.756
LOWER LIMIT	1011	7.111	2525	9.883	1240	13.756
EPA SAMPLE NO.						
01 PB168100BL	1765	7.61	4396	10.39	2346	14.26
02 PB168100BS	2482	7.61	6249	10.38	2970	14.26
03 PB168100BSD	2246	7.61	5562	10.38	2593	14.26

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.: Q2073 SAS No.: Q2073 SDG NO.: Q2073

EPA Sample No.: SSTDCCC0.4 Date Analyzed: 05/28/2025

Lab File ID: BN037112.D Time Analyzed: 17:11

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	4231	17.009	3037	21.198	3091	23.395
UPPER LIMIT	8462	17.509	6074	21.698	6182	23.895
LOWER LIMIT	2115.5	16.509	1518.5	20.698	1545.5	22.895
EPA SAMPLE NO.						
01 PB168100BL	4153	17.01	2590	21.20	2358	23.40
02 PB168100BS	4819	17.01	3074	21.20	3112	23.40
03 PB168100BSD	4050	17.01	2689	21.20	2817	23.39

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:	G Environmental	Date Collected:	
Project:	Nelson	Date Received:	
Client Sample ID:	PB168100BL	SDG No.:	Q2073
Lab Sample ID:	PB168100BL	Matrix:	Water
Analytical Method:	SW8270ESIM	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-SIMGroup1
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BN037113.D	1	05/21/25 08:41	05/28/25 17:47	PB168100

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
56-55-3	Benzo(a)anthracene	0.040	U	0.040	0.10	ug/L
205-99-2	Benzo(b)fluoranthene	0.040	U	0.040	0.10	ug/L
207-08-9	Benzo(k)fluoranthene	0.050	U	0.050	0.10	ug/L
50-32-8	Benzo(a)pyrene	0.040	U	0.040	0.10	ug/L
191-24-2	Benzo(g,h,i)perylene	0.040	U	0.040	0.10	ug/L
SURROGATES						
7297-45-2	2-Methylnaphthalene-d10	0.36		30 (20) - 150 (139)	90%	SPK: 0.4
93951-69-0	Fluoranthene-d10	0.33		30 (30) - 150 (150)	83%	SPK: 0.4
4165-60-0	Nitrobenzene-d5	0.34		30 (27) - 130 (154)	86%	SPK: 0.4
321-60-8	2-Fluorobiphenyl	0.35		30 (25) - 130 (149)	88%	SPK: 0.4
1718-51-0	Terphenyl-d14	0.46		30 (54) - 130 (175)	115%	SPK: 0.4
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	1770		7.611		
1146-65-2	Naphthalene-d8	4400		10.394		
15067-26-2	Acenaphthene-d10	2350		14.256		
1517-22-2	Phenanthrene-d10	4150		17.009		
1719-03-5	Chrysene-d12	2590		21.198		
1520-96-3	Perylene-d12	2360		23.401		

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:	G Environmental	Date Collected:	
Project:	Nelson	Date Received:	
Client Sample ID:	PB168100BS	SDG No.:	Q2073
Lab Sample ID:	PB168100BS	Matrix:	Water
Analytical Method:	SW8270ESIM	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-SIMGroup1
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BN037124.D	1	05/21/25 08:41	05/29/25 00:23	PB168100

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
56-55-3	Benzo(a)anthracene	0.34		0.040	0.10	ug/L
205-99-2	Benzo(b)fluoranthene	0.32		0.040	0.10	ug/L
207-08-9	Benzo(k)fluoranthene	0.34		0.050	0.10	ug/L
50-32-8	Benzo(a)pyrene	0.36		0.040	0.10	ug/L
191-24-2	Benzo(g,h,i)perylene	0.40		0.040	0.10	ug/L
SURROGATES						
7297-45-2	2-Methylnaphthalene-d10	0.38		30 (20) - 150 (139)	94%	SPK: 0.4
93951-69-0	Fluoranthene-d10	0.28		30 (30) - 150 (150)	69%	SPK: 0.4
4165-60-0	Nitrobenzene-d5	0.33		30 (27) - 130 (154)	83%	SPK: 0.4
321-60-8	2-Fluorobiphenyl	0.35		30 (25) - 130 (149)	86%	SPK: 0.4
1718-51-0	Terphenyl-d14	0.37		30 (54) - 130 (175)	92%	SPK: 0.4
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	2480	7.611			
1146-65-2	Naphthalene-d8	6250	10.383			
15067-26-2	Acenaphthene-d10	2970	14.256			
1517-22-2	Phenanthrene-d10	4820	17.009			
1719-03-5	Chrysene-d12	3070	21.198			
1520-96-3	Perylene-d12	3110	23.395			

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:	G Environmental	Date Collected:	
Project:	Nelson	Date Received:	
Client Sample ID:	PB168100BSD	SDG No.:	Q2073
Lab Sample ID:	PB168100BSD	Matrix:	Water
Analytical Method:	SW8270ESIM	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-SIMGroup1
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BN037125.D	1	05/21/25 08:41	05/29/25 00:59	PB168100

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
56-55-3	Benzo(a)anthracene	0.35		0.040	0.10	ug/L
205-99-2	Benzo(b)fluoranthene	0.33		0.040	0.10	ug/L
207-08-9	Benzo(k)fluoranthene	0.36		0.050	0.10	ug/L
50-32-8	Benzo(a)pyrene	0.37		0.040	0.10	ug/L
191-24-2	Benzo(g,h,i)perylene	0.43		0.040	0.10	ug/L
SURROGATES						
7297-45-2	2-Methylnaphthalene-d10	0.36		30 (20) - 150 (139)	90%	SPK: 0.4
93951-69-0	Fluoranthene-d10	0.29		30 (30) - 150 (150)	73%	SPK: 0.4
4165-60-0	Nitrobenzene-d5	0.35		30 (27) - 130 (154)	86%	SPK: 0.4
321-60-8	2-Fluorobiphenyl	0.39		30 (25) - 130 (149)	98%	SPK: 0.4
1718-51-0	Terphenyl-d14	0.38		30 (54) - 130 (175)	95%	SPK: 0.4
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	2250	7.611			
1146-65-2	Naphthalene-d8	5560	10.383			
15067-26-2	Acenaphthene-d10	2590	14.256			
1517-22-2	Phenanthrene-d10	4050	17.009			
1719-03-5	Chrysene-d12	2690	21.197			
1520-96-3	Perylene-d12	2820	23.392			

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-BN051425.M
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 Last Update : Wed May 14 11:26:32 2025
 Response Via : Initial Calibration

Calibration Files

0.1 =BN036999.D 0.2 =BN037000.D 0.4 =BN037001.D 0.8 =BN037002.D 1.6 =BN037003.D 3.2 =BN037004.D 5.0 =BN037005.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	0.510	0.512	0.487	0.514	0.467	0.454	0.491	5.25	
3)	n-Nitrosodimet...	1.465	0.974	0.980	0.971	1.075	0.967	0.950	1.054	17.59
4) S	2-Fluorophenol	1.101	1.134	1.024	1.093	0.964	0.971	1.048	6.87	
5) S	Phenol-d6	1.304	1.385	1.236	1.392	1.259	1.292	1.311	4.91	
6)	bis(2-Chloroet...	1.441	1.163	1.153	1.135	1.240	1.168	1.148	1.207	9.02
7) I	Naphthalene-d8	-----ISTD-----								
8) S	Nitrobenzene-d5	0.546	0.383	0.398	0.400	0.452	0.426	0.442	0.436	12.60
9)	Naphthalene	1.326	1.140	1.144	1.122	1.226	1.152	1.165	1.182	6.05
10)	Hexachlorobuta...	0.286	0.248	0.244	0.235	0.256	0.236	0.233	0.248	7.47
11) SURR2	Methylnaphth...	0.529	0.547	0.552	0.548	0.603	0.574	0.588	0.563	4.65
12)	2-Methylnaphth...	0.754	0.724	0.736	0.733	0.814	0.770	0.790	0.760	4.34
13) I	Acenaphthene-d10	-----ISTD-----								
14) S	2,4,6-Tribromo...	0.174	0.168	0.178	0.160	0.186	0.175	0.189	0.176	5.77
15) S	2-Fluorobiphenyl	1.912	1.801	1.901	1.802	1.927	1.672	1.807	1.832	4.90
16)	Acenaphthylene	1.906	1.838	1.894	1.849	2.071	1.997	2.075	1.947	5.14
17)	Acenaphthene	1.255	1.229	1.243	1.217	1.350	1.298	1.315	1.272	3.89
18)	Fluorene	1.602	1.581	1.635	1.611	1.779	1.721	1.752	1.669	4.80
19) I	Phenanthrene-d10	-----ISTD-----								
20)	4,6-Dinitro-2-...	0.060	0.073	0.079	0.102	0.103	0.124	0.090	26.02	
21)	4-Bromophenyl-...	0.243	0.246	0.250	0.247	0.262	0.261	0.259	0.253	3.13
22)	Hexachlorobenzene	0.267	0.269	0.281	0.259	0.281	0.270	0.267	0.270	3.03
23)	Atrazine	0.199	0.207	0.211	0.213	0.237	0.234	0.242	0.220	7.64
24)	Pentachlorophenol	0.133	0.134	0.141	0.137	0.159	0.162	0.177	0.149	11.45
25)	Phenanthrene	1.259	1.272	1.292	1.263	1.367	1.337	1.361	1.307	3.56
26)	Anthracene	1.099	1.104	1.166	1.130	1.269	1.259	1.300	1.190	7.13
27) SURR	Fluoranthene-d10	1.033	1.033	1.078	1.042	1.153	1.161	1.178	1.097	5.95
28)	Fluoranthene	1.461	1.439	1.500	1.496	1.670	1.672	1.693	1.562	7.13
29) I	Chrysene-d12	-----ISTD-----								
30)	Pyrene	1.744	1.708	1.727	1.656	1.790	1.641	1.711	1.711	2.96
31) S	Terphenyl-d14	0.897	0.844	0.871	0.822	0.891	0.816	0.848	0.856	3.73
32)	Benzo(a)anthra...	1.463	1.432	1.485	1.438	1.594	1.521	1.609	1.506	4.77
33)	Chrysene	1.655	1.559	1.616	1.532	1.653	1.560	1.576	1.593	3.05
34)	Bis(2-ethylhex...	0.955	0.919	0.906	0.855	0.941	0.903	1.011	0.927	5.27
35) I	Perylene-d12	-----ISTD-----								

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

Method File : 8270-SIM-BN051425.M

36)	Indeno(1,2,3-c...	1.511	1.613	1.645	1.568	1.687	1.732	1.680	1.634	4.65
37)	Benzo(b)fluora...	1.631	1.570	1.602	1.599	1.749	1.698	1.765	1.659	4.71
38)	Benzo(k)fluora...	1.539	1.538	1.642	1.601	1.770	1.661	1.719	1.639	5.34
39) C	Benzo(a)pyrene	1.380	1.343	1.381	1.331	1.486	1.444	1.486	1.407	4.59
40)	Dibenzo(a,h)an...	1.116	1.232	1.273	1.237	1.340	1.376	1.334	1.272	6.90
41)	Benzo(g,h,i)pe...	1.299	1.407	1.424	1.330	1.403	1.439	1.376	1.383	3.72

(#) = Out of Range

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: GENV01
Lab Code: CHEM Case No.: Q2073 SAS No.: Q2073 SDG No.: Q2073
Instrument ID: BNA_N Calibration Date/Time: 05/27/2025 13:23
Lab File ID: BN037084.D Init. Calib. Date(s): 05/13/2025 05/13/2025
EPA Sample No.: SSTDCCC0.4 Init. Calib. Time(s): 17:41 21:17
GC Column: ZB-GR ID: 0.25 (mm)

COMPOUND	RRF	RRF0.4	MIN RRF	%D	MAX%D
2-Methylnaphthalene-d10	0.563	0.572		1.6	20.0
Fluoranthene-d10	1.097	0.950		-13.4	20.0
2-Fluorophenol	1.048	0.899		-14.2	20.0
Phenol-d6	1.311	1.073		-18.2	20.0
Nitrobenzene-d5	0.436	0.414		-5.0	20.0
2-Fluorobiphenyl	1.832	1.874		2.3	20.0
2,4,6-Tribromophenol	0.176	0.142		-19.3	20.0
Terphenyl-d14	0.856	0.951		11.1	20.0
Benzo(a)anthracene	1.506	1.369		-9.1	20.0
Benzo(b)fluoranthene	1.659	1.488		-10.3	20.0
Benzo(k)fluoranthene	1.639	1.527		-6.8	20.0
Benzo(a)pyrene	1.407	1.256		-10.7	20.0
Benzo(g,h,i)perylene	1.383	1.455		5.2	20.0

All other compounds must meet a minimum RRF of 0.010.

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: GENV01
Lab Code: CHEM Case No.: Q2073 SAS No.: Q2073 SDG No.: Q2073
Instrument ID: BNA_N Calibration Date/Time: 05/28/2025 17:11
Lab File ID: BN037112.D Init. Calib. Date(s): 05/13/2025 05/13/2025
EPA Sample No.: SSTDCCC0.4 Init. Calib. Time(s): 17:41 21:17
GC Column: ZB-GR ID: 0.25 (mm)

COMPOUND	RRF	RRF0.4	MIN RRF	%D	MAX%D
2-Methylnaphthalene-d10	0.563	0.552		-2.0	20.0
Fluoranthene-d10	1.097	0.986		-10.1	20.0
2-Fluorophenol	1.048	0.938		-10.5	20.0
Phenol-d6	1.311	1.123		-14.3	20.0
Nitrobenzene-d5	0.436	0.426		-2.3	20.0
2-Fluorobiphenyl	1.832	1.889		3.1	20.0
2,4,6-Tribromophenol	0.176	0.145		-17.6	20.0
Terphenyl-d14	0.856	0.888		3.7	20.0
Benzo(a)anthracene	1.506	1.376		-8.6	20.0
Benzo(b)fluoranthene	1.659	1.484		-10.5	20.0
Benzo(k)fluoranthene	1.639	1.523		-7.1	20.0
Benzo(a)pyrene	1.407	1.292		-8.2	20.0
Benzo(g,h,i)perylene	1.383	1.468		6.1	20.0

All other compounds must meet a minimum RRF of 0.010.



SAMPLE RAW DATA

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN052725\
 Data File : BN037086.D
 Acq On : 27 May 2025 14:35
 Operator : RC/JU
 Sample : Q2073-01
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 GDW1

A
B
C
D
E
F
G
H
I
J
K

Quant Time: May 27 15:02:21 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN051425.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed May 14 11:26:32 2025
 Response via : Initial Calibration

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

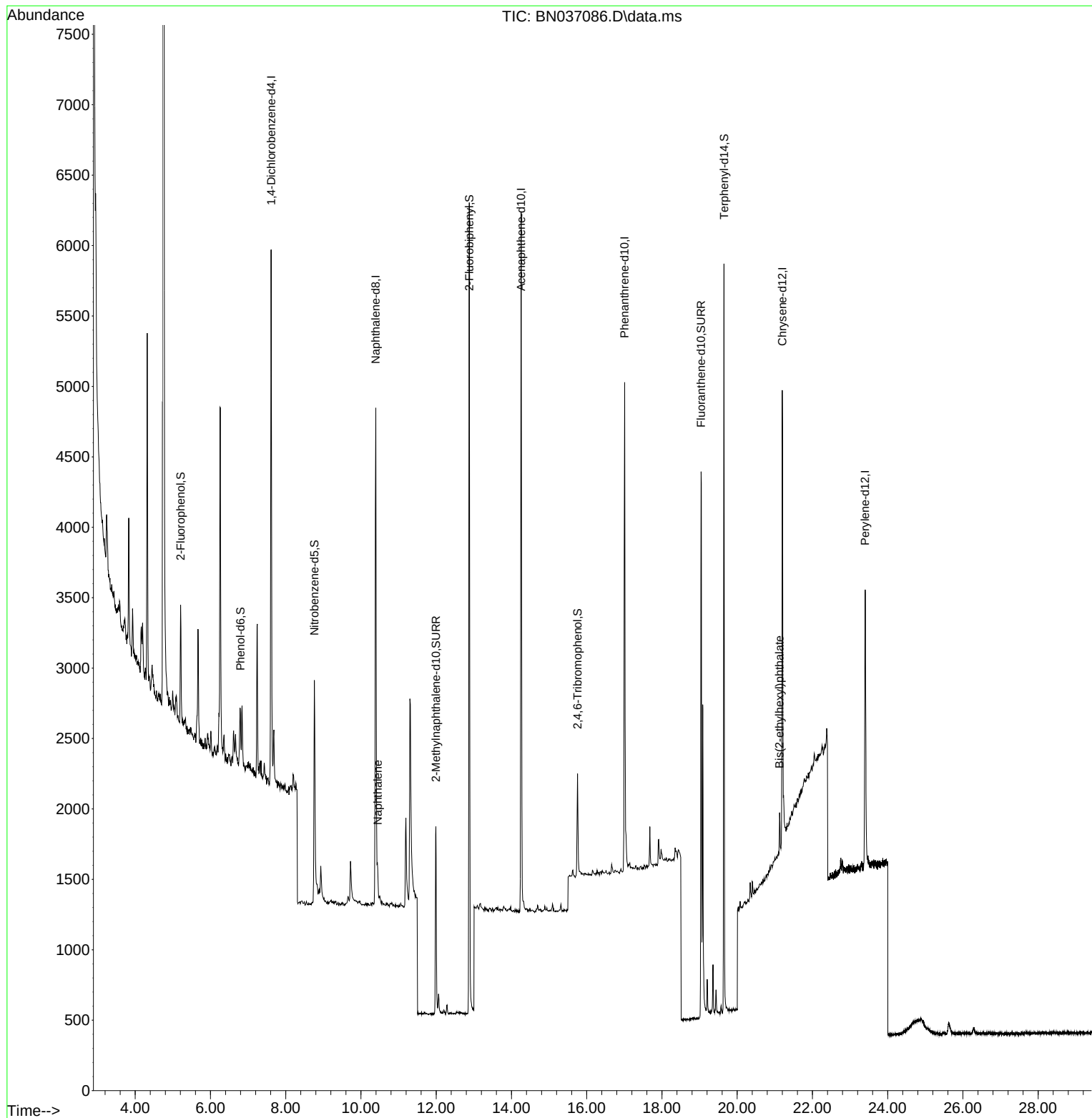
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.611	152	1858	0.400	ng	0.00
7) Naphthalene-d8	10.394	136	4733	0.400	ng	-0.01
13) Acenaphthene-d10	14.256	164	2639	0.400	ng	-0.01
19) Phenanthrene-d10	17.009	188	4979	0.400	ng	# 0.00
29) Chrysene-d12	21.198	240	3199	0.400	ng	0.00
35) Perylene-d12	23.401	264	2828	0.400	ng	#-0.01
System Monitoring Compounds						
4) 2-Fluorophenol	5.206	112	580	0.119	ng	0.00
5) Phenol-d6	6.795	99	393	0.065	ng	0.00
8) Nitrobenzene-d5	8.760	82	1532	0.297	ng	-0.01
11) 2-Methylnaphthalene-d10	11.991	152	1949	0.293	ng	0.00
14) 2,4,6-Tribromophenol	15.755	330	422	0.364	ng	-0.01
15) 2-Fluorobiphenyl	12.878	172	5347	0.442	ng	-0.01
27) Fluoranthene-d10	19.040	212	4591	0.336	ng	0.00
31) Terphenyl-d14	19.649	244	4896	0.716	ng	0.00
Target Compounds						Qvalue
9) Naphthalene	10.447	128	311	0.022	ng	# 49
34) Bis(2-ethylhexyl)phtha...	21.126	149	287	0.039	ng	# 97

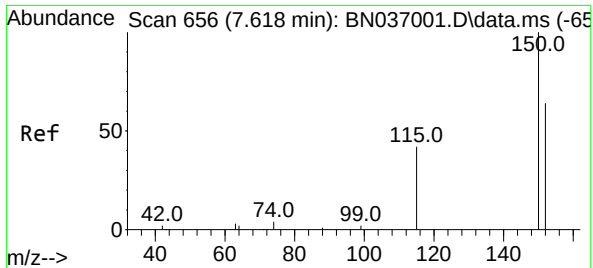
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN052725\
Data File : BN037086.D
Acq On : 27 May 2025 14:35
Operator : RC/JU
Sample : Q2073-01
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
GDW1

Quant Time: May 27 15:02:21 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN051425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed May 14 11:26:32 2025
Response via : Initial Calibration

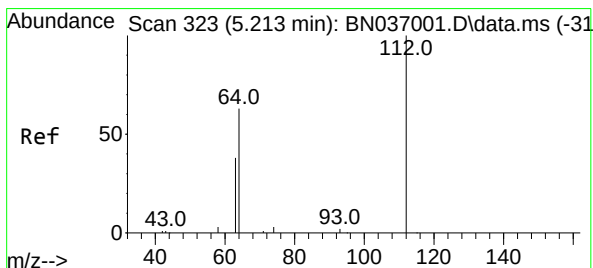
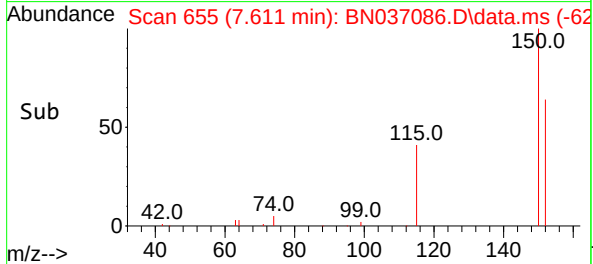
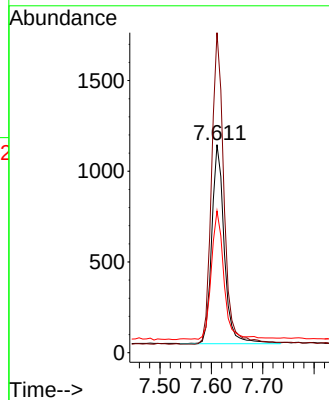
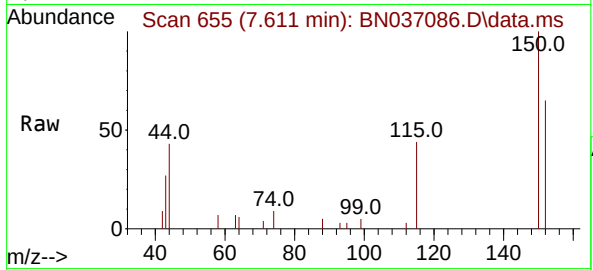




#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.611 min Scan# 61
Delta R.T. -0.007 min
Lab File: BN037086.D
Acq: 27 May 2025 14:35

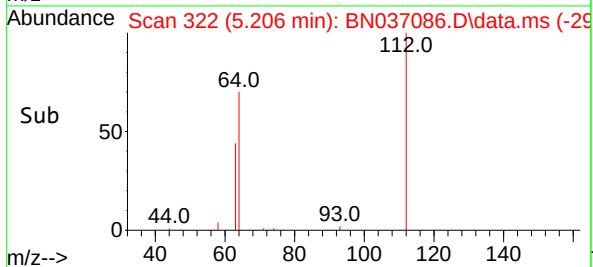
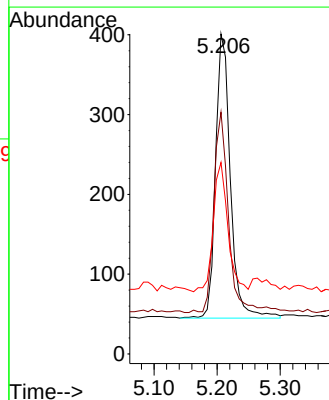
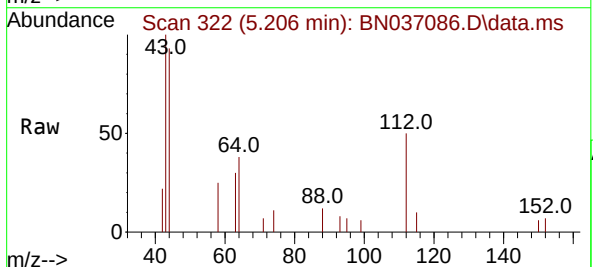
Instrument :
BNA_N
ClientSampleId :
GDW1

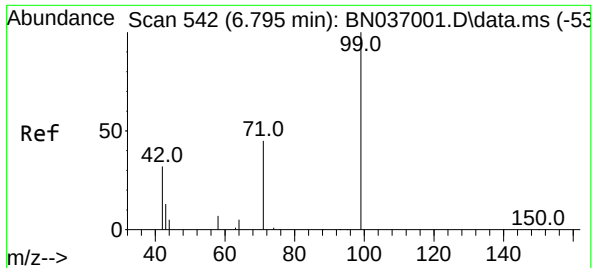
Tgt Ion:152 Resp: 1858
Ion Ratio Lower Upper
152 100
150 153.8 123.9 185.9
115 68.1 55.8 83.8



#4
2-Fluorophenol
Concen: 0.119 ng
RT: 5.206 min Scan# 322
Delta R.T. -0.007 min
Lab File: BN037086.D
Acq: 27 May 2025 14:35

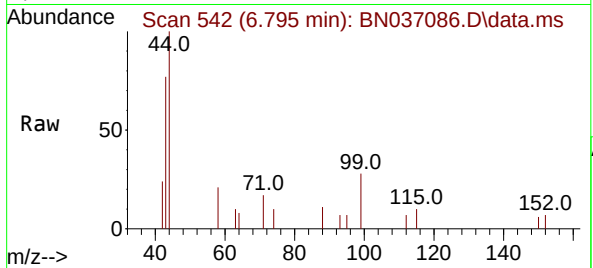
Tgt Ion:112 Resp: 580
Ion Ratio Lower Upper
112 100
64 71.2 55.7 83.5
63 44.7 34.6 51.8



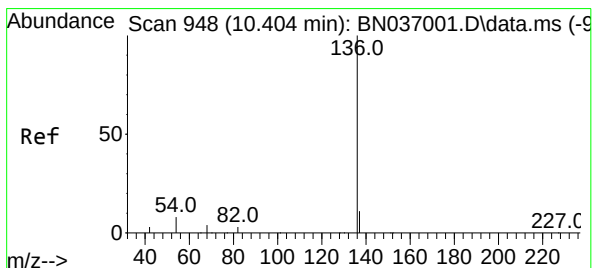
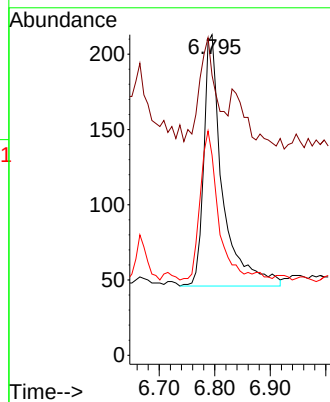
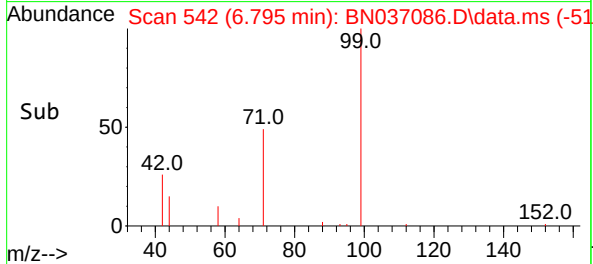


#5
Phenol-d6
Concen: 0.065 ng
RT: 6.795 min Scan# 541
Delta R.T. -0.000 min
Lab File: BN037086.D
Acq: 27 May 2025 14:35

Instrument :
BNA_N
ClientSampleId :
GDW1

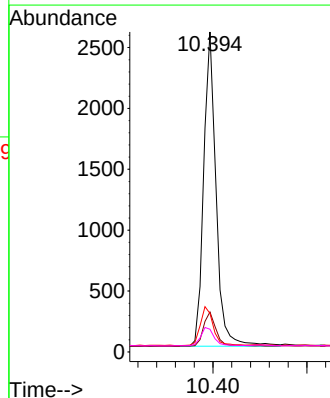
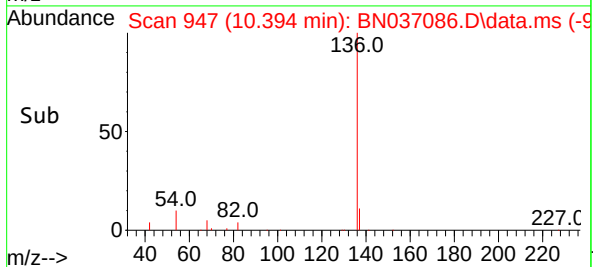
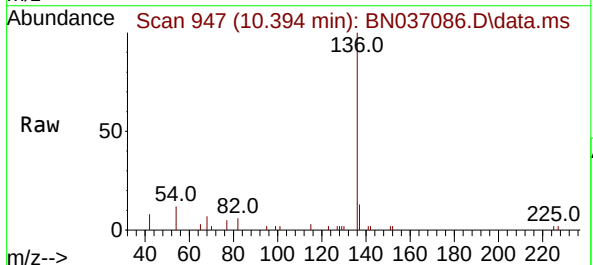


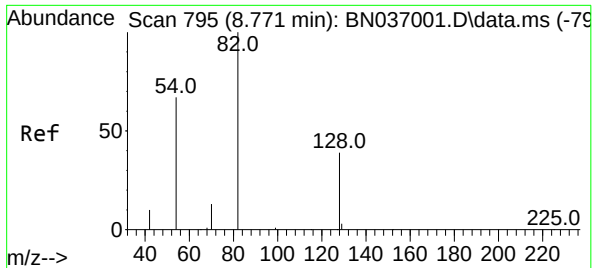
Tgt Ion: 99 Resp: 393
Ion Ratio Lower Upper
99 100
42 36.6 29.3 43.9
71 56.5 35.7 53.5#



#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.394 min Scan# 947
Delta R.T. -0.011 min
Lab File: BN037086.D
Acq: 27 May 2025 14:35

Tgt Ion: 136 Resp: 4733
Ion Ratio Lower Upper
136 100
137 12.5 10.4 15.6
54 12.0 8.5 12.7
68 7.1 5.1 7.7

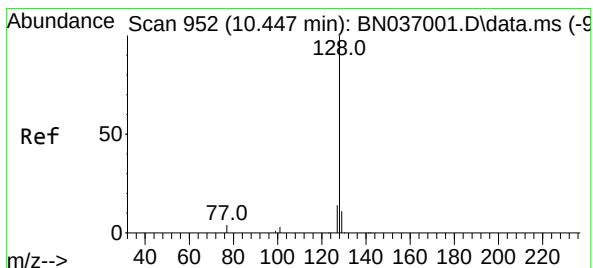
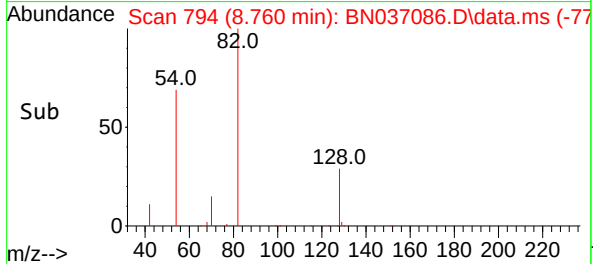
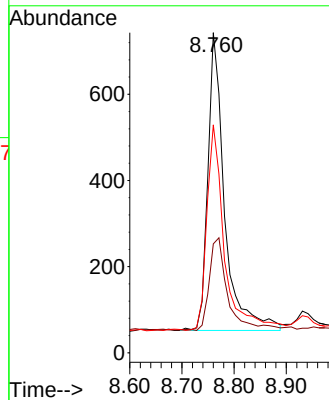
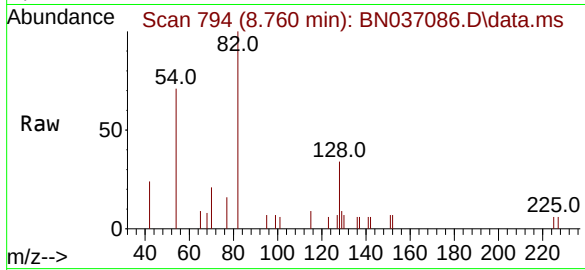




#8
Nitrobenzene-d5
Concen: 0.297 ng
RT: 8.760 min Scan# 795
Delta R.T. -0.011 min
Lab File: BN037086.D
Acq: 27 May 2025 14:35

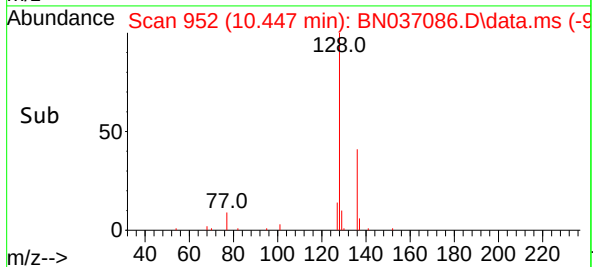
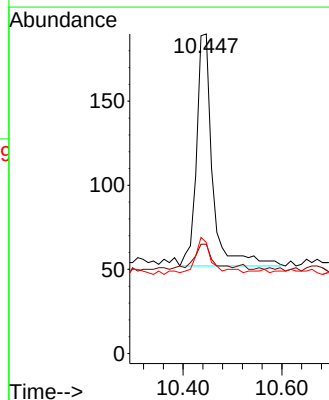
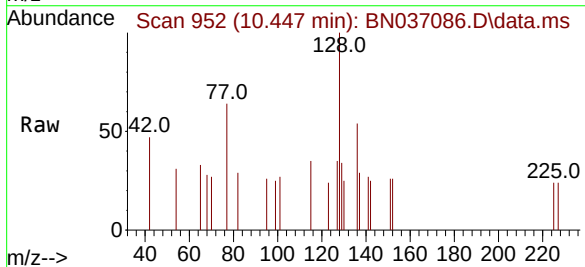
Instrument :
BNA_N
ClientSampleId :
GDW1

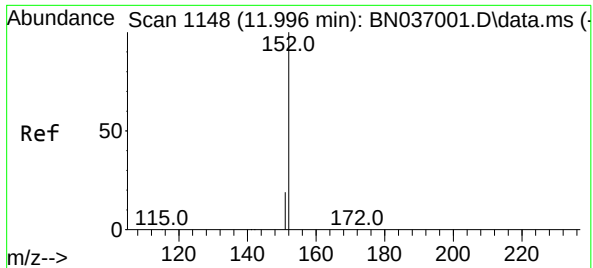
Tgt Ion: 82 Resp: 1532
Ion Ratio Lower Upper
82 100
128 34.1 34.0 51.0
54 71.2 55.0 82.4



#9
Naphthalene
Concen: 0.022 ng
RT: 10.447 min Scan# 952
Delta R.T. 0.000 min
Lab File: BN037086.D
Acq: 27 May 2025 14:35

Tgt Ion: 128 Resp: 311
Ion Ratio Lower Upper
128 100
129 34.2 9.7 14.5#
127 34.7 12.4 18.6#

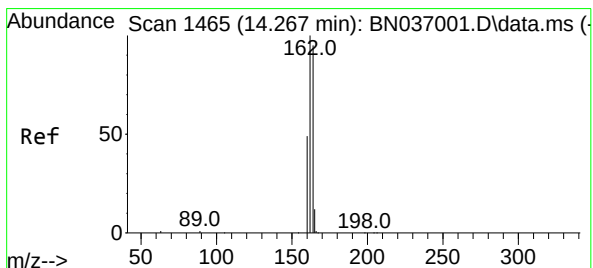
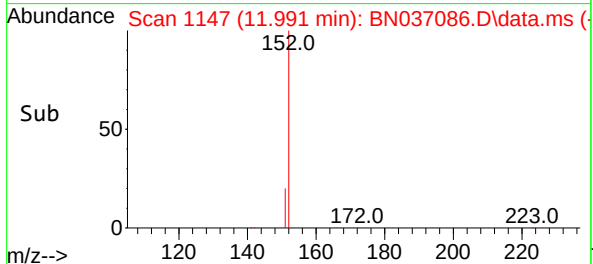
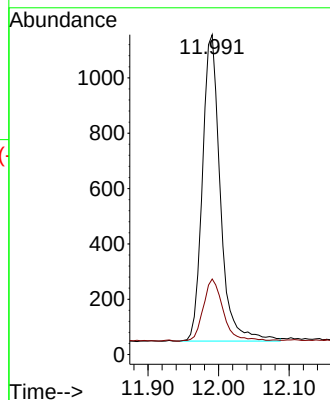
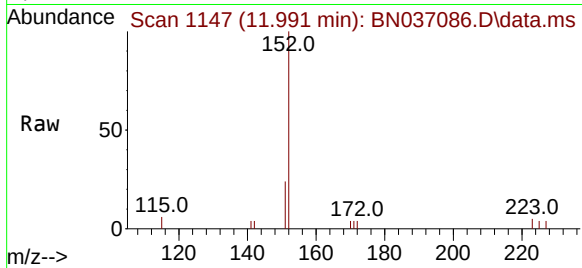




#11
2-Methylnaphthalene-d10
Concen: 0.293 ng
RT: 11.991 min Scan# 1147
Delta R.T. -0.005 min
Lab File: BN037086.D
Acq: 27 May 2025 14:35

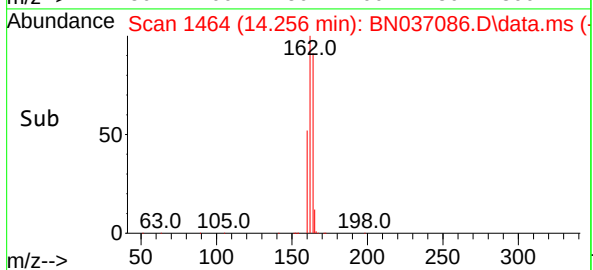
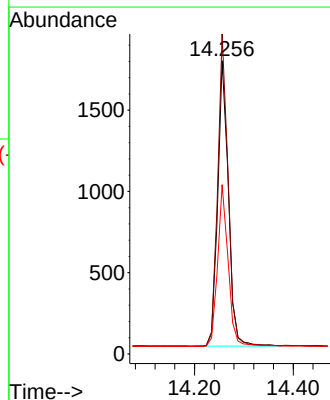
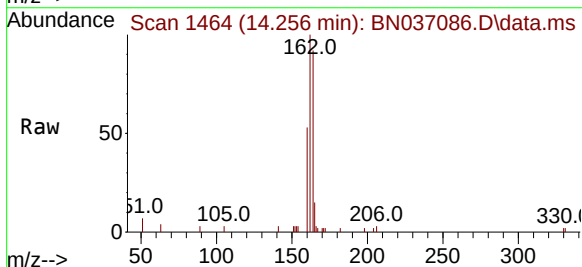
Instrument :
BNA_N
ClientSampleId :
GDW1

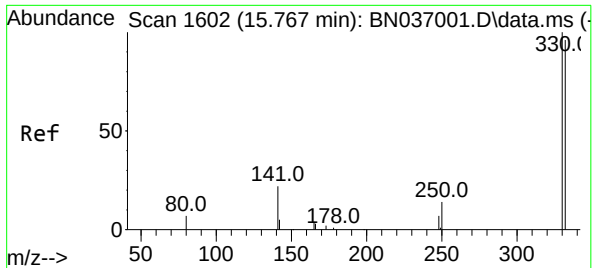
Tgt Ion:152 Resp: 1949
Ion Ratio Lower Upper
152 100
151 22.5 17.5 26.3



#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.256 min Scan# 1464
Delta R.T. -0.011 min
Lab File: BN037086.D
Acq: 27 May 2025 14:35

Tgt Ion:164 Resp: 2639
Ion Ratio Lower Upper
164 100
162 109.1 84.2 126.4
160 57.7 42.6 63.8

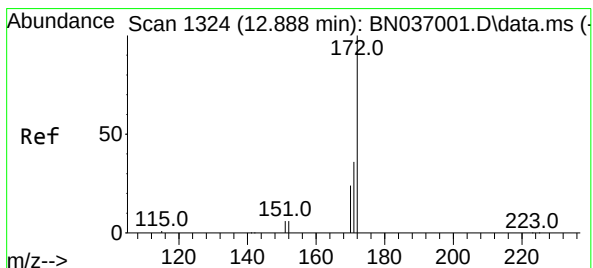
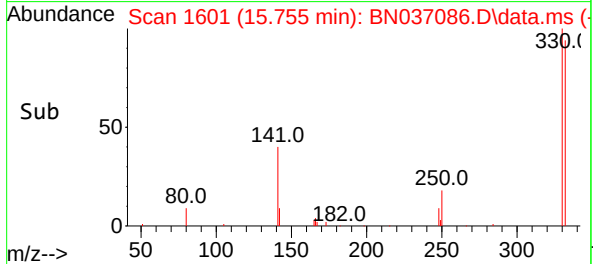
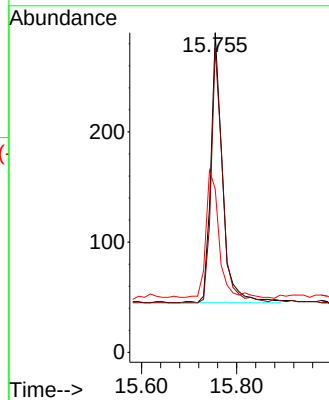
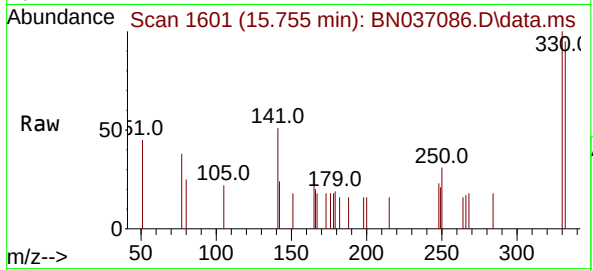




#14
2,4,6-Tribromophenol
Concen: 0.364 ng
RT: 15.755 min Scan# 1
Delta R.T. -0.012 min
Lab File: BN037086.D
Acq: 27 May 2025 14:35

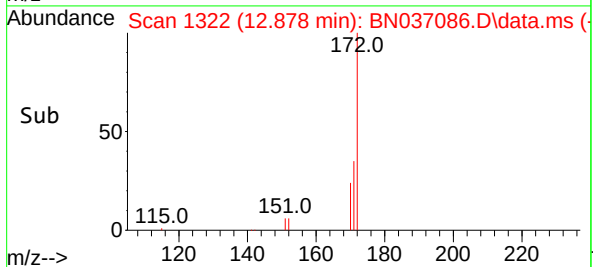
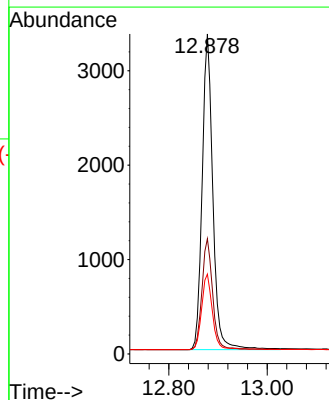
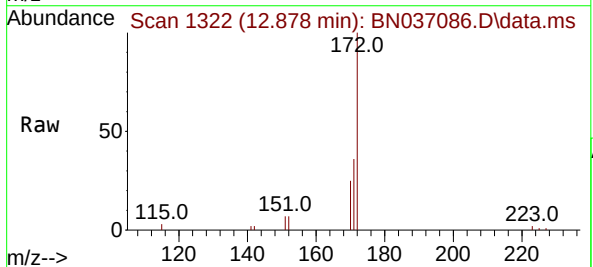
Instrument :
BNA_N
ClientSampleId :
GDW1

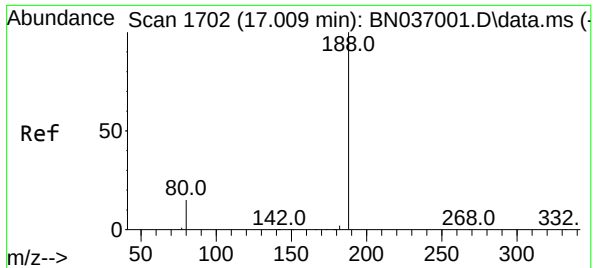
Tgt Ion:330 Resp: 422
Ion Ratio Lower Upper
330 100
332 91.7 73.8 110.8
141 55.2 43.9 65.9



#15
2-Fluorobiphenyl
Concen: 0.442 ng
RT: 12.878 min Scan# 1322
Delta R.T. -0.010 min
Lab File: BN037086.D
Acq: 27 May 2025 14:35

Tgt Ion:172 Resp: 5347
Ion Ratio Lower Upper
172 100
171 36.0 29.2 43.8
170 25.0 20.5 30.7

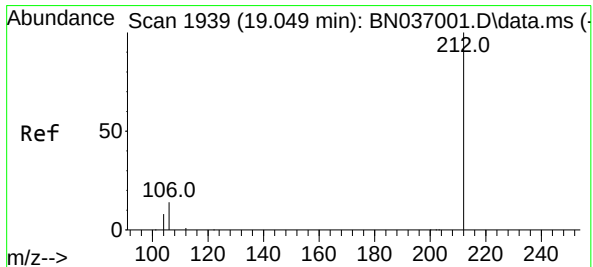
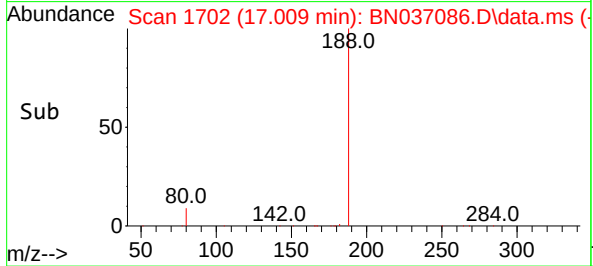
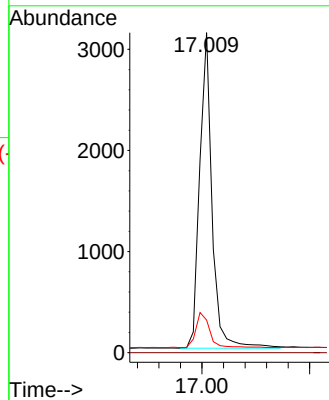
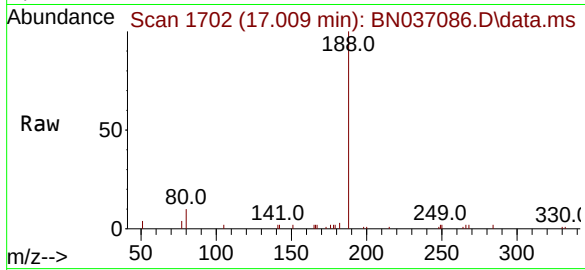




#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.009 min Scan# 11
Delta R.T. 0.000 min
Lab File: BN037086.D
Acq: 27 May 2025 14:35

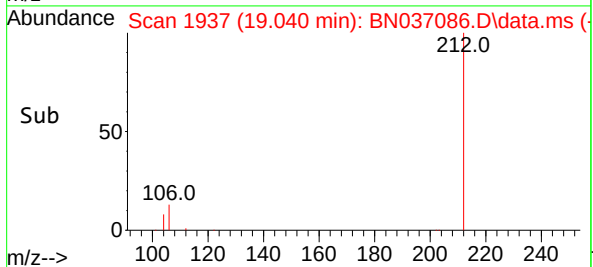
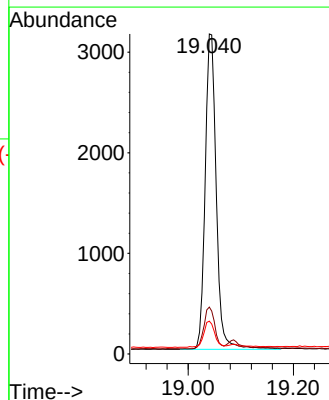
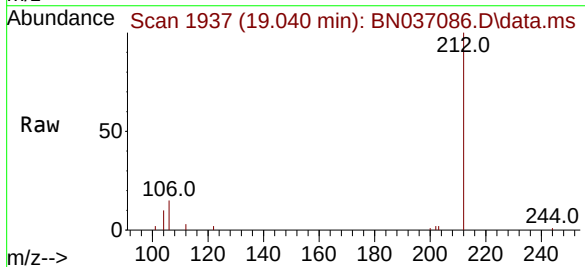
Instrument :
BNA_N
ClientSampleId :
GDW1

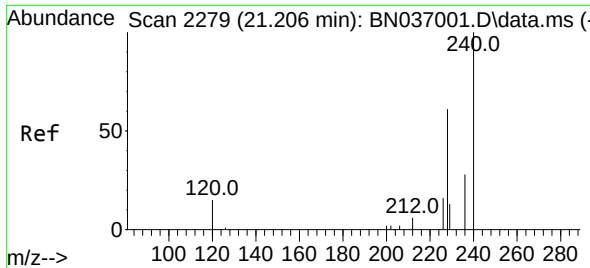
Tgt Ion	188	94	80
Ratio	100	0.0	10.2
Lower		0.0	13.4
Upper		0.0	20.0
Resp:	4979		



#27
Fluoranthene-d10
Concen: 0.336 ng
RT: 19.040 min Scan# 1937
Delta R.T. -0.009 min
Lab File: BN037086.D
Acq: 27 May 2025 14:35

Tgt Ion	212	106	104
Ratio	100	13.1	8.1
Lower		11.3	6.7
Upper		16.9	10.1
Resp:	4591		





#29

Chrysene-d12

Concen: 0.400 ng

RT: 21.198 min Scan# 21

Delta R.T. -0.009 min

Lab File: BN037086.D

Acq: 27 May 2025 14:35

Instrument :

BNA_N

ClientSampleId :

GDW1

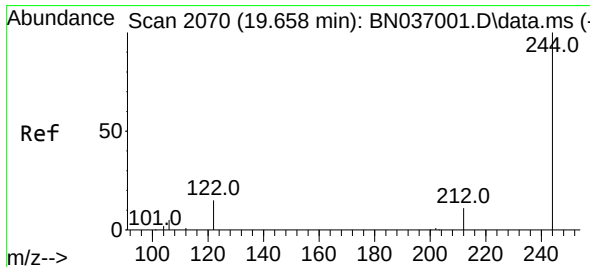
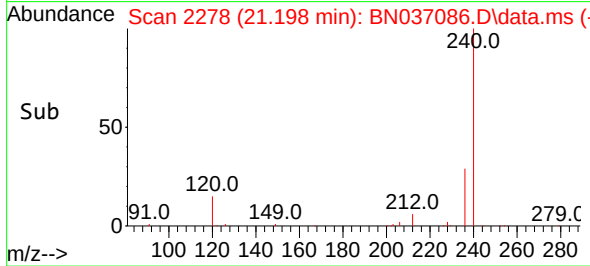
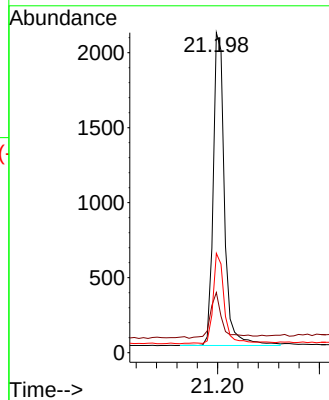
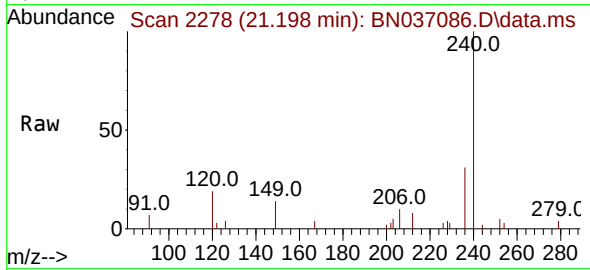
Tgt Ion:240 Resp: 3199

Ion Ratio Lower Upper

240 100

120 18.8 15.1 22.7

236 31.0 24.0 36.0



#31

Terphenyl-d14

Concen: 0.716 ng

RT: 19.649 min Scan# 2068

Delta R.T. -0.009 min

Lab File: BN037086.D

Acq: 27 May 2025 14:35

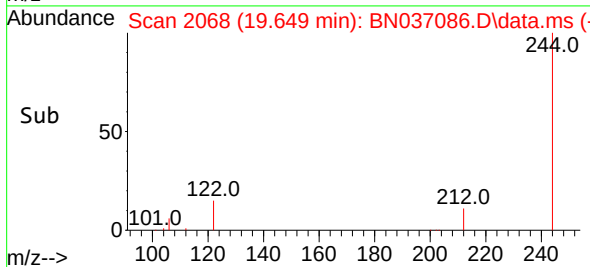
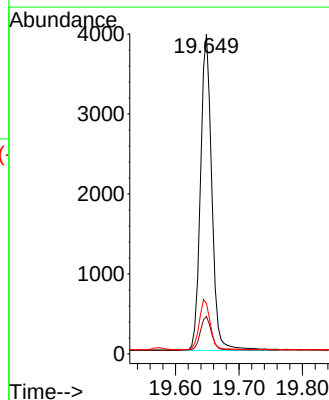
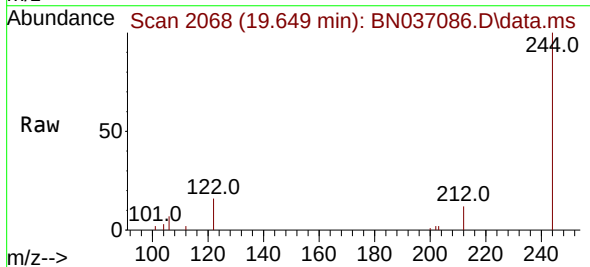
Tgt Ion:244 Resp: 4896

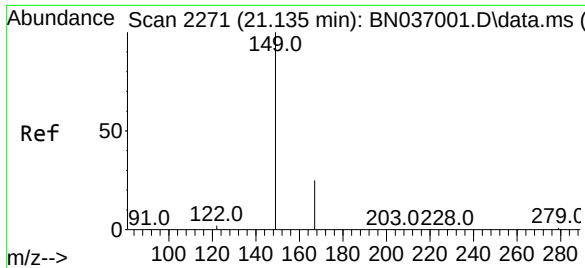
Ion Ratio Lower Upper

244 100

212 11.7 9.7 14.5

122 15.8 13.4 20.0

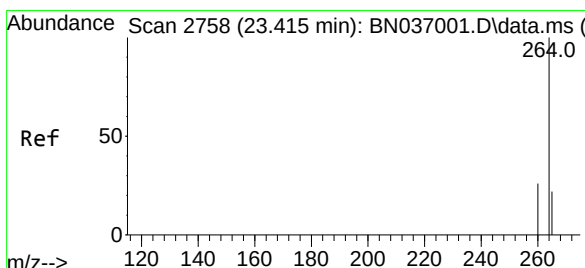
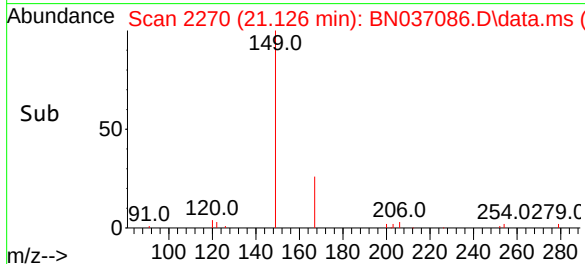
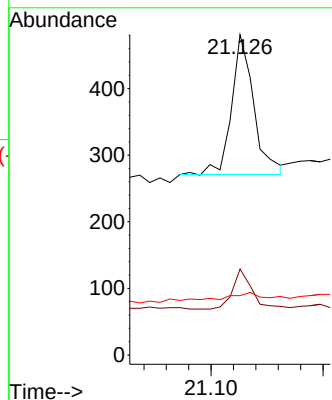
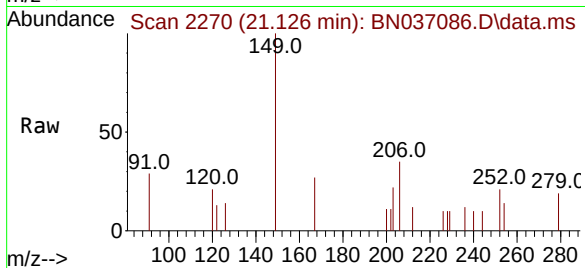




#34
Bis(2-ethylhexyl)phthalate
Concen: 0.039 ng
RT: 21.126 min Scan# 211
Delta R.T. -0.009 min
Lab File: BN037086.D
Acq: 27 May 2025 14:35

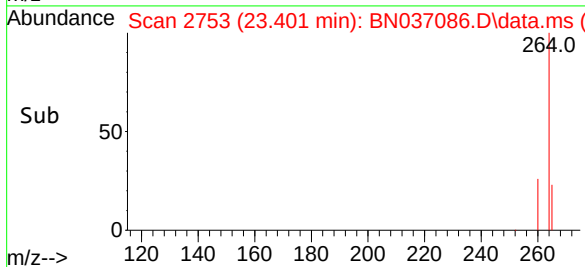
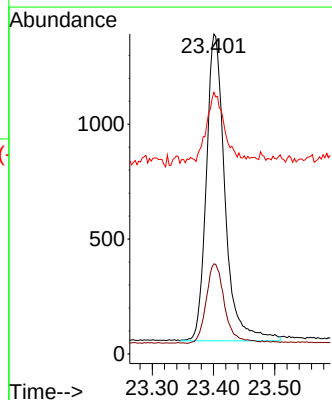
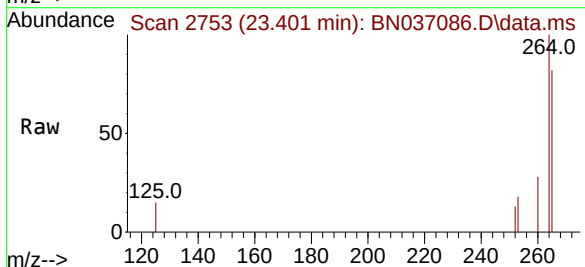
Instrument :
BNA_N
ClientSampleId :
GDW1

Tgt Ion:149 Resp: 287
Ion Ratio Lower Upper
149 100
167 25.1 20.6 30.8
279 8.0 2.6 3.8#



#35
Perylene-d12
Concen: 0.400 ng
RT: 23.401 min Scan# 2753
Delta R.T. -0.015 min
Lab File: BN037086.D
Acq: 27 May 2025 14:35

Tgt Ion:264 Resp: 2828
Ion Ratio Lower Upper
264 100
260 28.1 21.9 32.9
265 81.8 51.6 77.4#



Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN052725\
Data File : BN037087.D
Acq On : 27 May 2025 15:11
Operator : RC/JU
Sample : Q2073-02
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
GDW2

A
B
C
D
E
F
G
H
I
J
K

Quant Time: May 27 15:36:26 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN051425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed May 14 11:26:32 2025
Response via : Initial Calibration

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

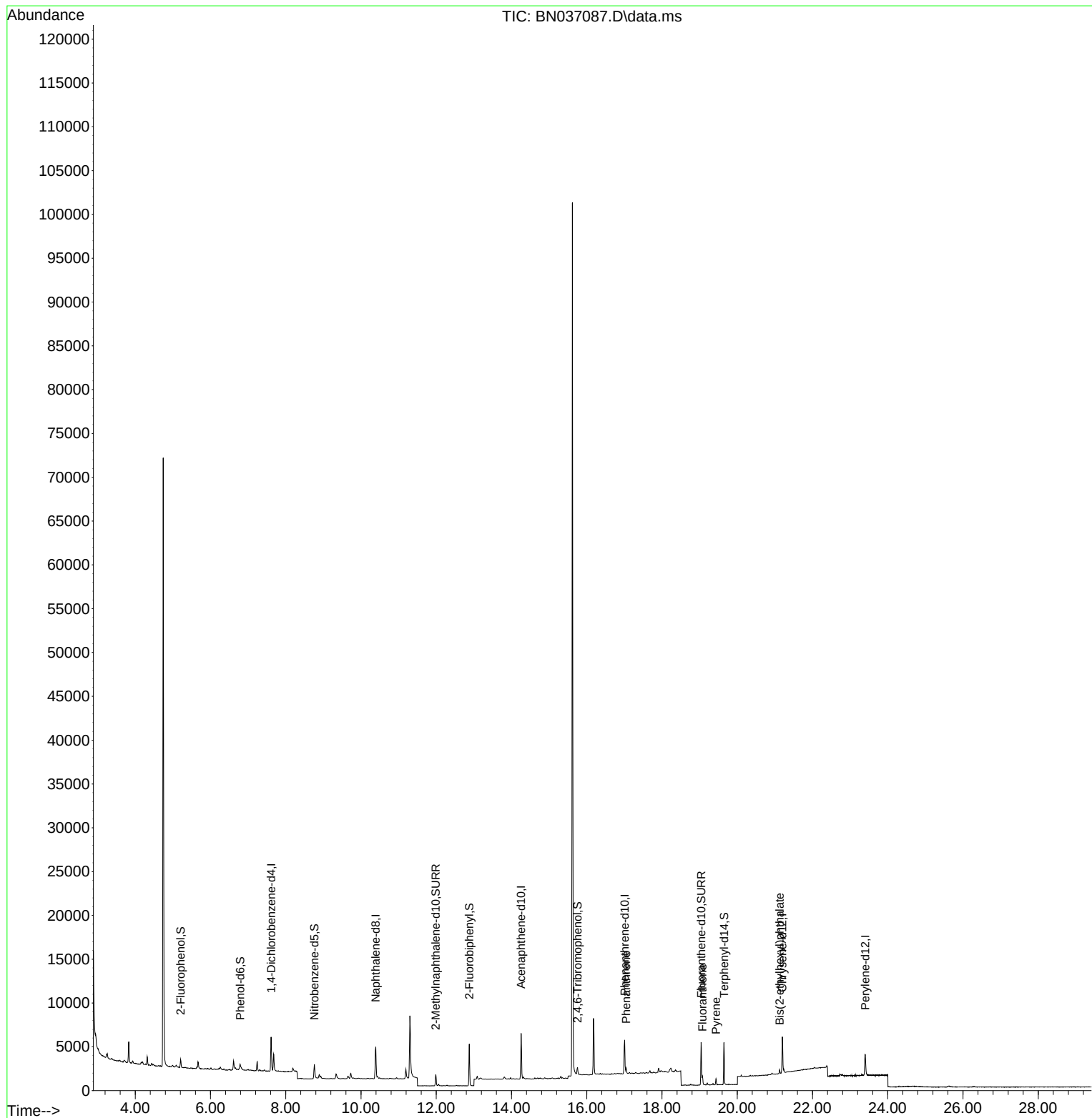
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.611	152	1828	0.400	ng	0.00
7) Naphthalene-d8	10.394	136	4851	0.400	ng	-0.01
13) Acenaphthene-d10	14.256	164	2747	0.400	ng	-0.01
19) Phenanthrene-d10	17.009	188	5537	0.400	ng	# 0.00
29) Chrysene-d12	21.198	240	3938	0.400	ng	0.00
35) Perylene-d12	23.401	264	3305	0.400	ng	-0.01
System Monitoring Compounds						
4) 2-Fluorophenol	5.206	112	612	0.128	ng	0.00
5) Phenol-d6	6.788	99	462	0.077	ng	0.00
8) Nitrobenzene-d5	8.760	82	1429	0.271	ng	-0.01
11) 2-Methylnaphthalene-d10	11.986	152	1833	0.268	ng	-0.01
14) 2,4,6-Tribromophenol	15.755	330	428	0.355	ng	-0.01
15) 2-Fluorobiphenyl	12.878	172	4464	0.355	ng	-0.01
27) Fluoranthene-d10	19.040	212	5196	0.342	ng	0.00
31) Terphenyl-d14	19.649	244	4607	0.547	ng	0.00
Target Compounds						Qvalue
25) Phenanthrene	17.046	178	622	0.034	ng	# 96
28) Fluoranthene	19.073	202	713	0.033	ng	# 68
30) Pyrene	19.435	202	637	0.038	ng	96
34) Bis(2-ethylhexyl)phtha...	21.126	149	515	0.056	ng	93

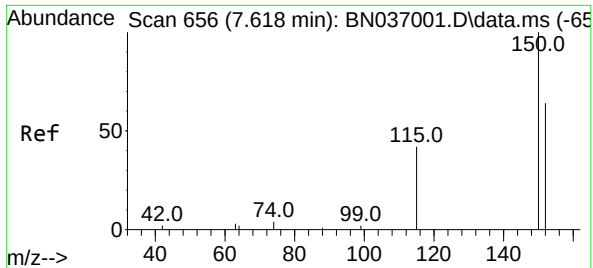
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN052725\
Data File : BN037087.D
Acq On : 27 May 2025 15:11
Operator : RC/JU
Sample : Q2073-02
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
GDW2

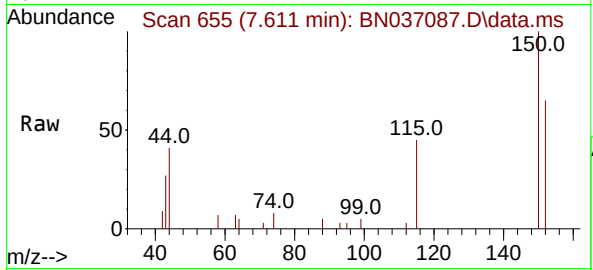
Quant Time: May 27 15:36:26 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN051425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed May 14 11:26:32 2025
Response via : Initial Calibration



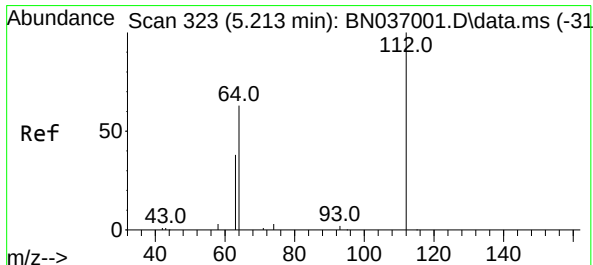
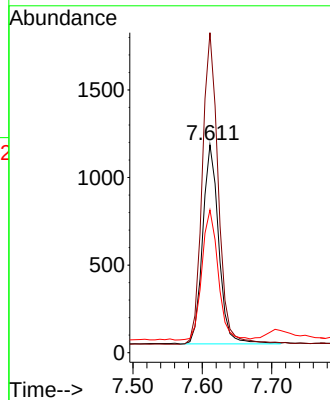
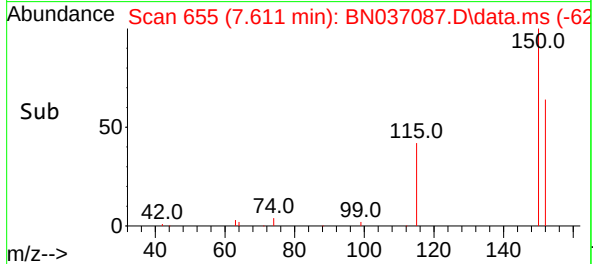


#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.611 min Scan# 61
Delta R.T. -0.007 min
Lab File: BN037087.D
Acq: 27 May 2025 15:11

Instrument :
BNA_N
ClientSampleId :
GDW2

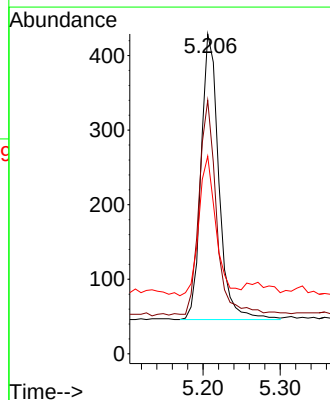
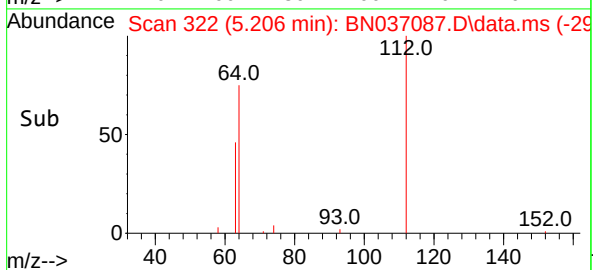
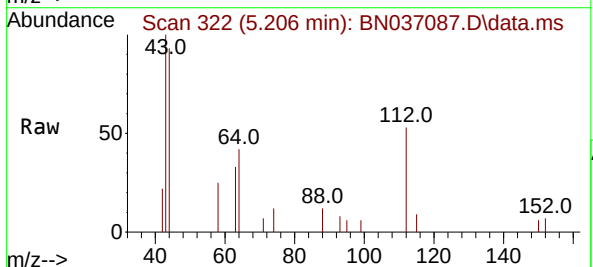


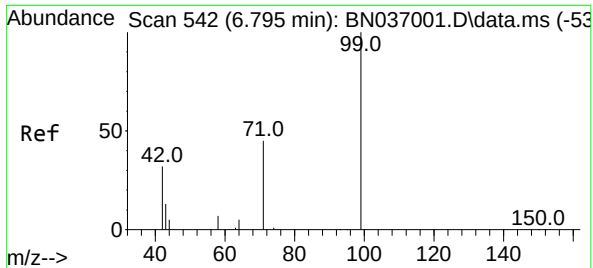
Tgt Ion:152 Resp: 1828
Ion Ratio Lower Upper
152 100
150 153.9 123.9 185.9
115 68.7 55.8 83.8



#4
2-Fluorophenol
Concen: 0.128 ng
RT: 5.206 min Scan# 322
Delta R.T. -0.007 min
Lab File: BN037087.D
Acq: 27 May 2025 15:11

Tgt Ion:112 Resp: 612
Ion Ratio Lower Upper
112 100
64 75.0 55.7 83.5
63 47.2 34.6 51.8

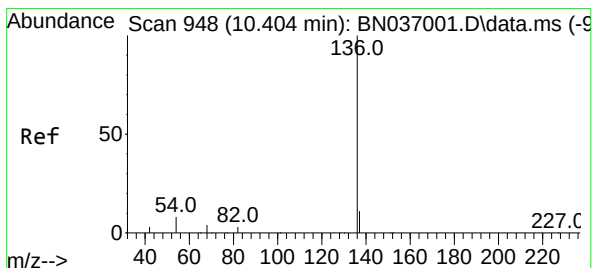
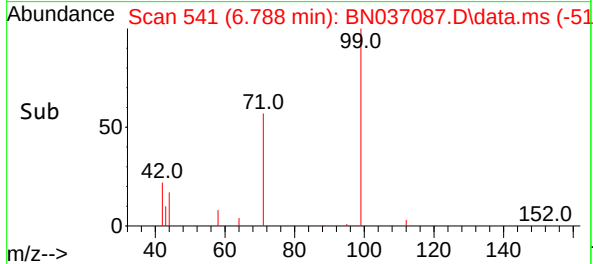
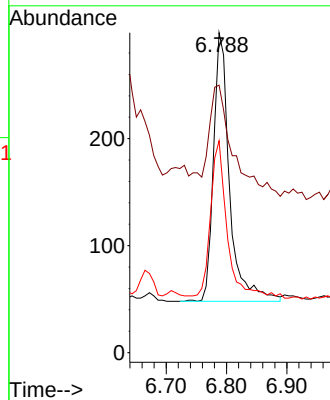
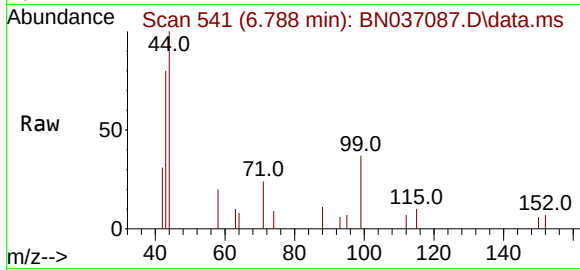




#5
Phenol-d6
Concen: 0.077 ng
RT: 6.788 min Scan# 541
Delta R.T. -0.007 min
Lab File: BN037087.D
Acq: 27 May 2025 15:11

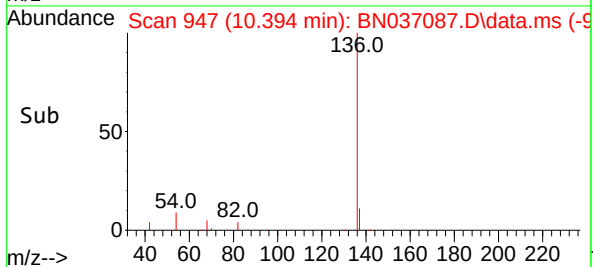
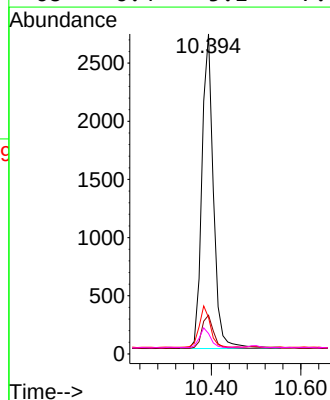
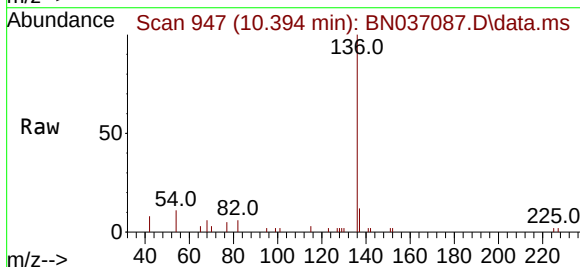
Instrument :
BNA_N
ClientSampleId :
GDW2

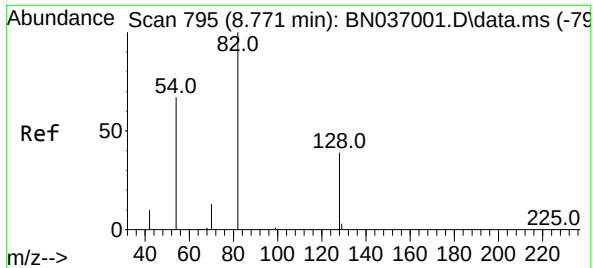
Tgt Ion: 99 Resp: 462
Ion Ratio Lower Upper
99 100
42 60.8 29.3 43.9#
71 61.3 35.7 53.5#



#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.394 min Scan# 947
Delta R.T. -0.011 min
Lab File: BN037087.D
Acq: 27 May 2025 15:11

Tgt Ion: 136 Resp: 4851
Ion Ratio Lower Upper
136 100
137 12.1 10.4 15.6
54 11.4 8.5 12.7
68 6.4 5.1 7.7

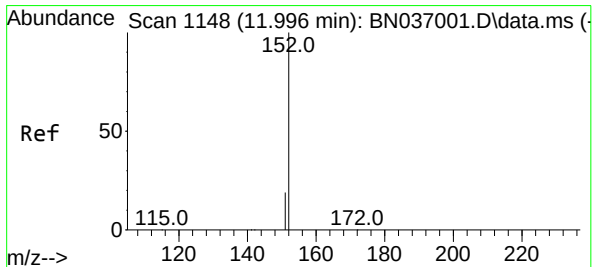
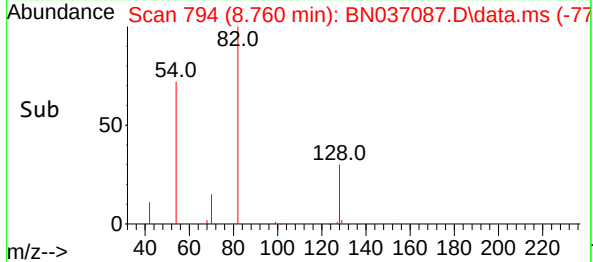
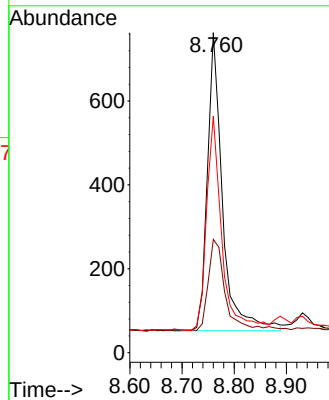
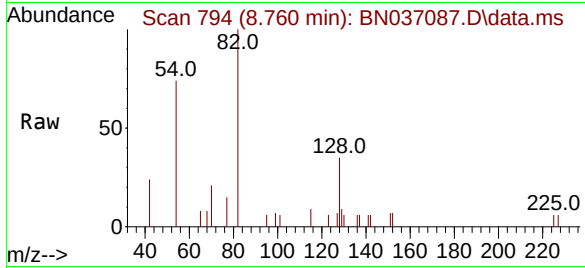




#8
Nitrobenzene-d5
Concen: 0.271 ng
RT: 8.760 min Scan# 795
Delta R.T. -0.011 min
Lab File: BN037087.D
Acq: 27 May 2025 15:11

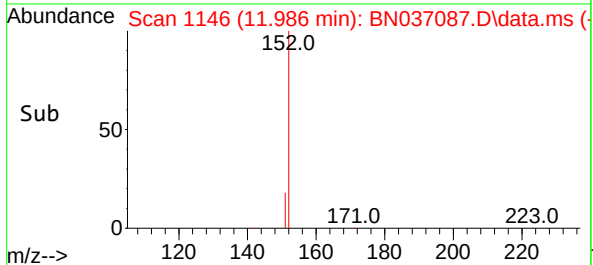
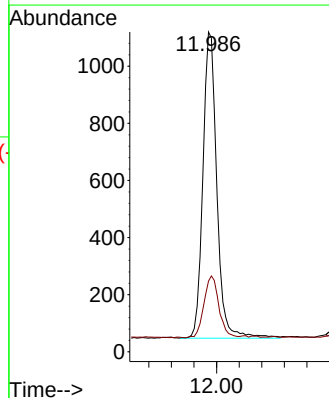
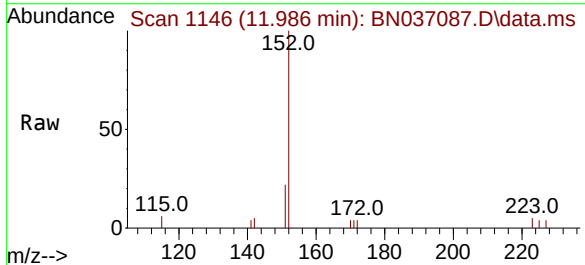
Instrument :
BNA_N
ClientSampleId :
GDW2

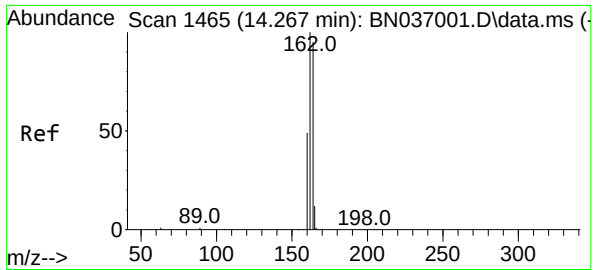
Tgt Ion:	82	Resp:	1429
Ion Ratio	Lower	Upper	
82	100		
128	35.4	34.0	51.0
54	73.9	55.0	82.4



#11
2-Methylnaphthalene-d10
Concen: 0.268 ng
RT: 11.986 min Scan# 1146
Delta R.T. -0.010 min
Lab File: BN037087.D
Acq: 27 May 2025 15:11

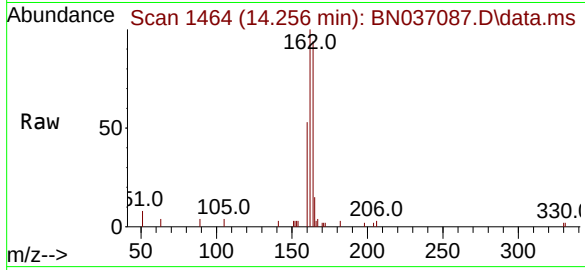
Tgt Ion:	152	Resp:	1833
Ion Ratio	Lower	Upper	
152	100		
151	21.7	17.5	26.3



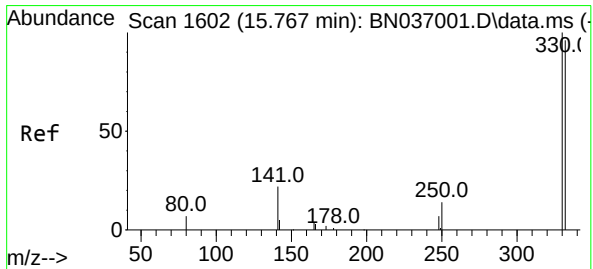
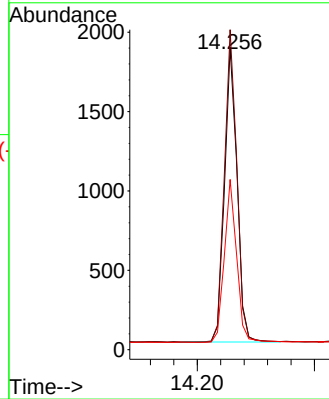
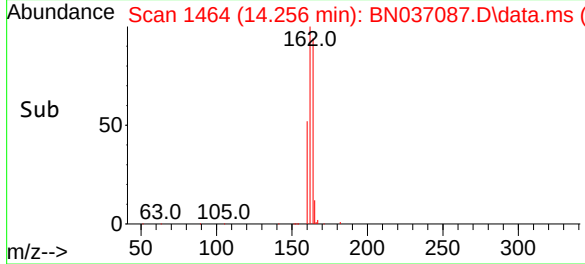


#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.256 min Scan# 1464
Delta R.T. -0.011 min
Lab File: BN037087.D
Acq: 27 May 2025 15:11

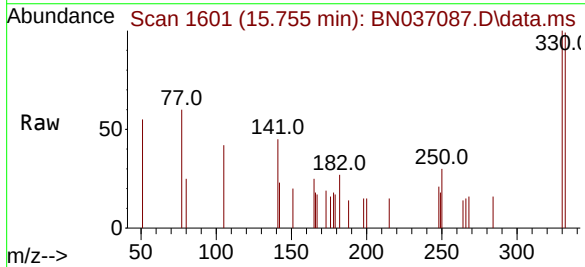
Instrument :
BNA_N
ClientSampleId :
GDW2



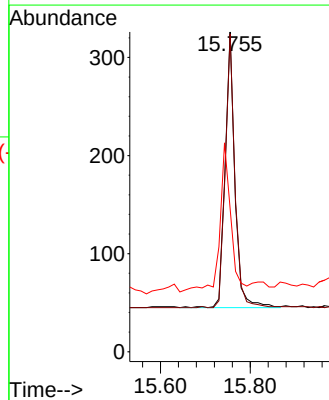
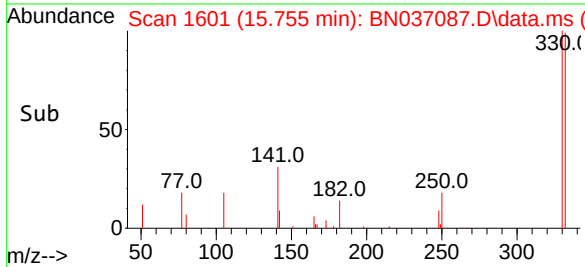
Tgt Ion:164 Resp: 2747
Ion Ratio Lower Upper
164 100
162 105.9 84.2 126.4
160 56.4 42.6 63.8

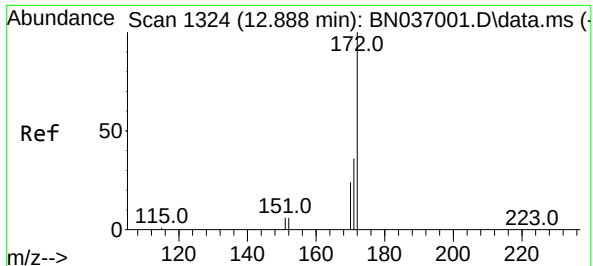


#14
2,4,6-Tribromophenol
Concen: 0.355 ng
RT: 15.755 min Scan# 1601
Delta R.T. -0.012 min
Lab File: BN037087.D
Acq: 27 May 2025 15:11



Tgt Ion:330 Resp: 428
Ion Ratio Lower Upper
330 100
332 97.9 73.8 110.8
141 57.0 43.9 65.9





#15

2-Fluorobiphenyl

Concen: 0.355 ng

RT: 12.878 min Scan# 11

Delta R.T. -0.010 min

Lab File: BN037087.D

Acq: 27 May 2025 15:11

Instrument :

BNA_N

ClientSampleId :

GDW2

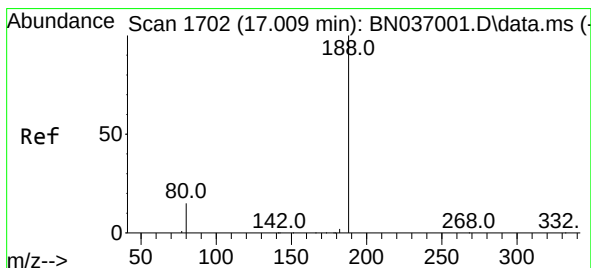
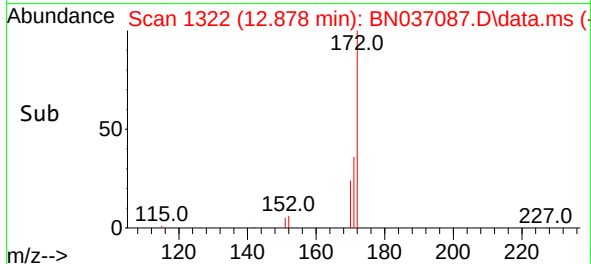
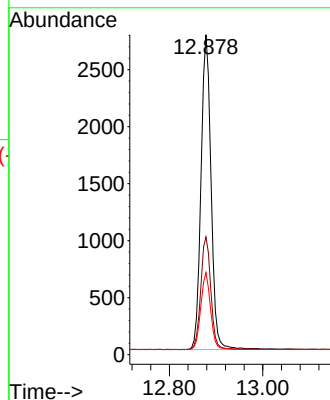
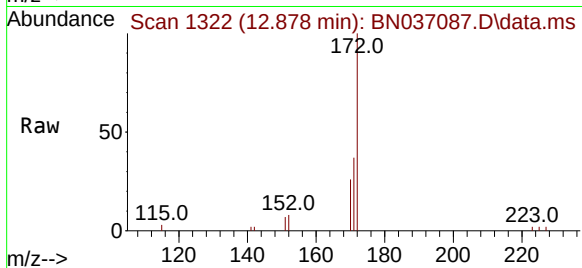
Tgt Ion:172 Resp: 4464

Ion Ratio Lower Upper

172 100

171 36.8 29.2 43.8

170 25.7 20.5 30.7



#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 17.009 min Scan# 1702

Delta R.T. 0.000 min

Lab File: BN037087.D

Acq: 27 May 2025 15:11

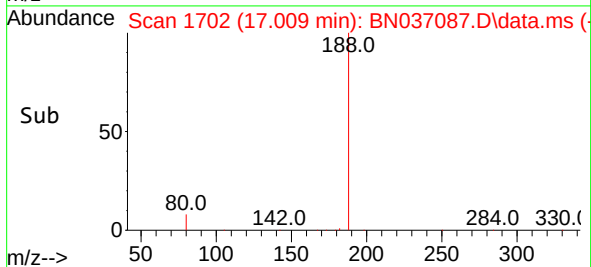
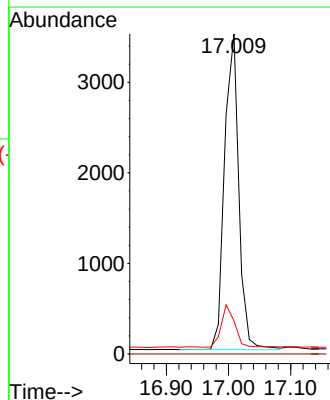
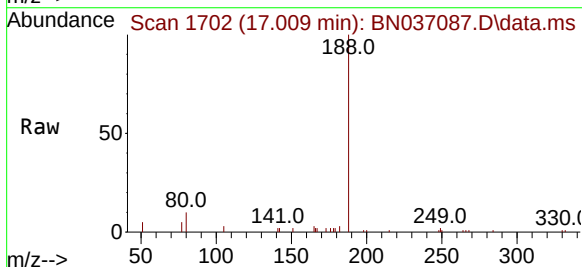
Tgt Ion:188 Resp: 5537

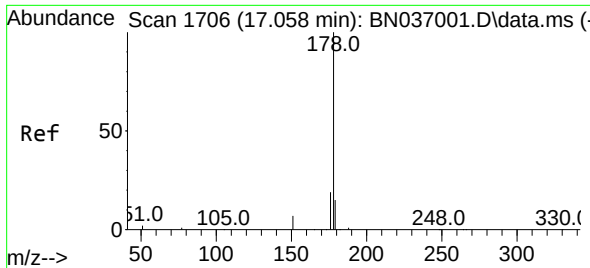
Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

80 10.4 13.4 20.0#

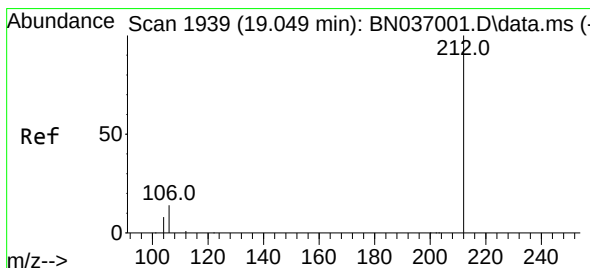
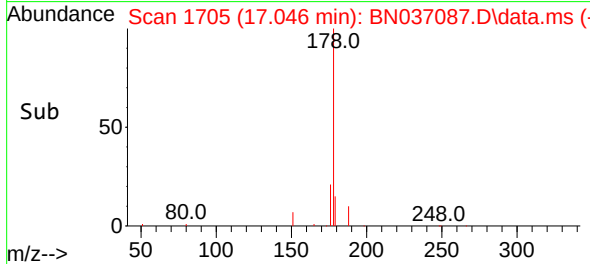
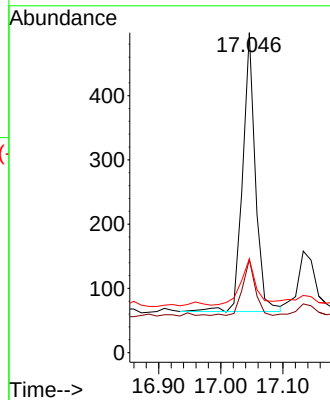
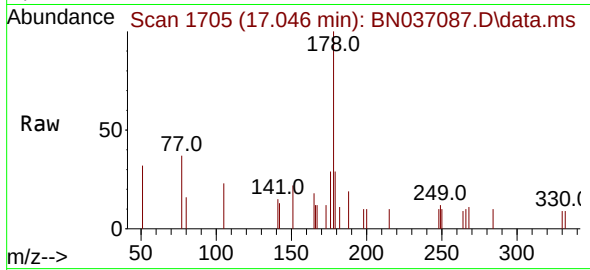




#25
Phenanthrene
Concen: 0.034 ng
RT: 17.046 min Scan# 1705
Delta R.T. -0.012 min
Lab File: BN037087.D
Acq: 27 May 2025 15:11

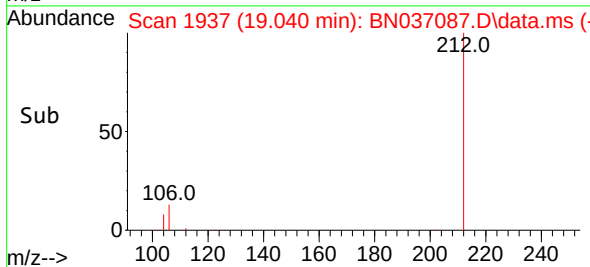
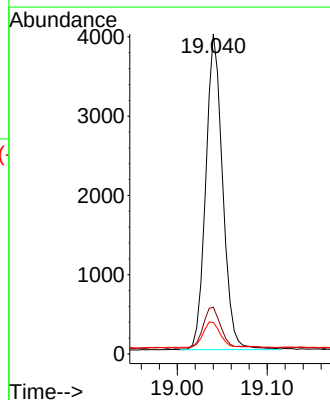
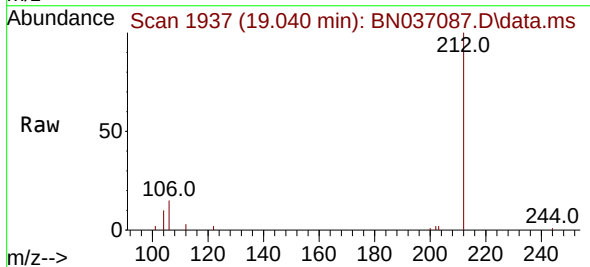
Instrument :
BNA_N
ClientSampleId :
GDW2

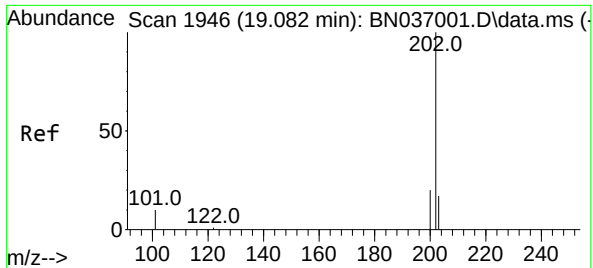
Tgt Ion:178 Resp: 622
Ion Ratio Lower Upper
178 100
176 19.6 15.7 23.5
179 19.5 12.2 18.2#



#27
Fluoranthene-d10
Concen: 0.342 ng
RT: 19.040 min Scan# 1937
Delta R.T. -0.009 min
Lab File: BN037087.D
Acq: 27 May 2025 15:11

Tgt Ion:212 Resp: 5196
Ion Ratio Lower Upper
212 100
106 13.8 11.3 16.9
104 8.2 6.7 10.1

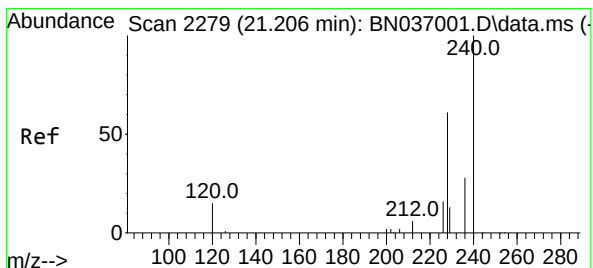
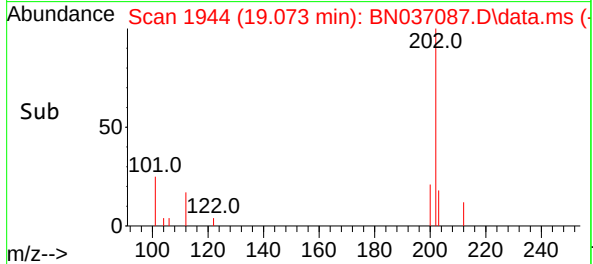
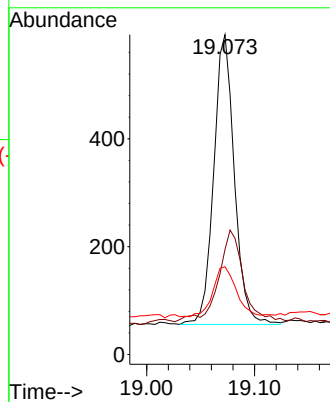
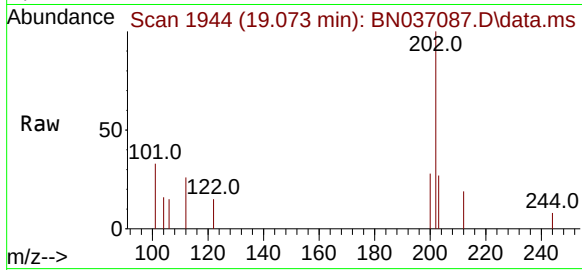




#28
Fluoranthene
Concen: 0.033 ng
RT: 19.073 min Scan# 1944
Delta R.T. -0.009 min
Lab File: BN037087.D
Acq: 27 May 2025 15:11

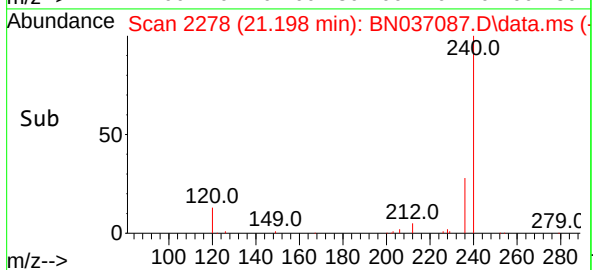
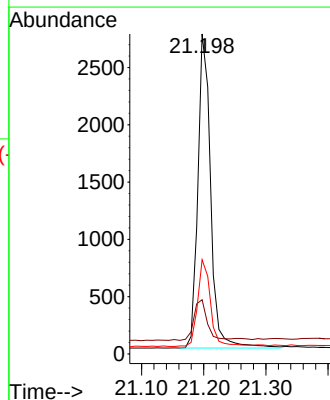
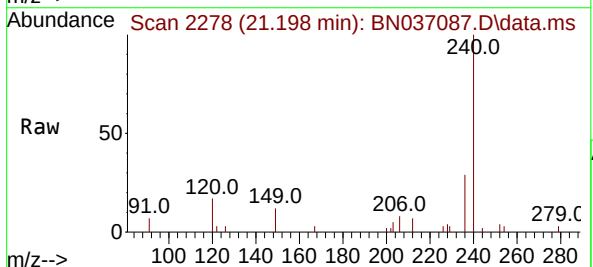
Instrument :
BNA_N
ClientSampleId :
GDW2

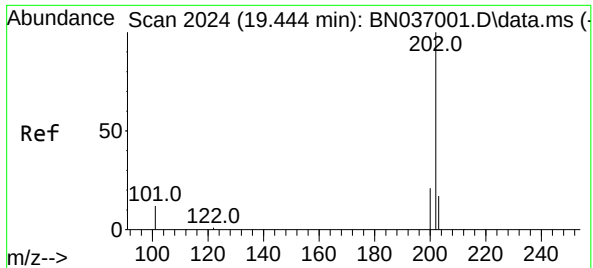
Tgt Ion	Ratio	Lower	Upper
202	100		
101	39.0	8.9	13.3#
203	19.8	13.8	20.8



#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.198 min Scan# 2278
Delta R.T. -0.009 min
Lab File: BN037087.D
Acq: 27 May 2025 15:11

Tgt Ion	Ratio	Lower	Upper
240	100		
120	16.9	15.1	22.7
236	29.4	24.0	36.0





#30

Pyrene

Concen: 0.038 ng

RT: 19.435 min Scan# 20

Delta R.T. -0.009 min

Lab File: BN037087.D

Acq: 27 May 2025 15:11

Instrument :

BNA_N

ClientSampleId :

GDW2

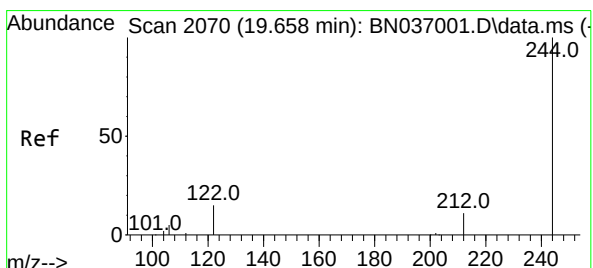
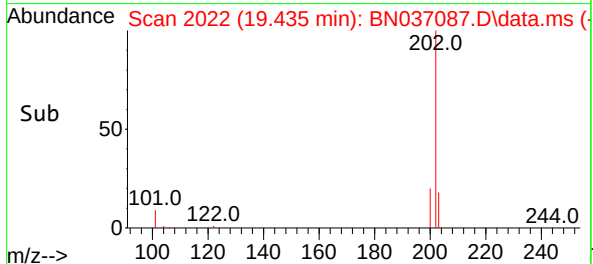
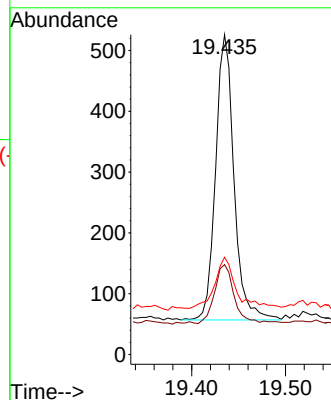
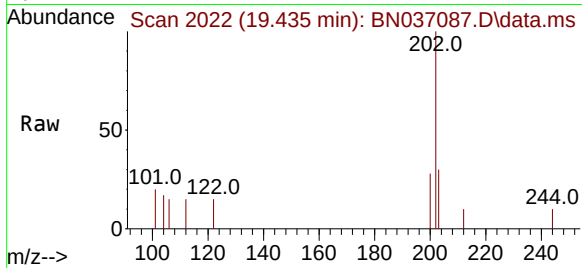
Tgt Ion:202 Resp: 637

Ion Ratio Lower Upper

202 100

200 22.3 17.1 25.7

203 20.6 14.2 21.4



#31

Terphenyl-d14

Concen: 0.547 ng

RT: 19.649 min Scan# 2068

Delta R.T. -0.009 min

Lab File: BN037087.D

Acq: 27 May 2025 15:11

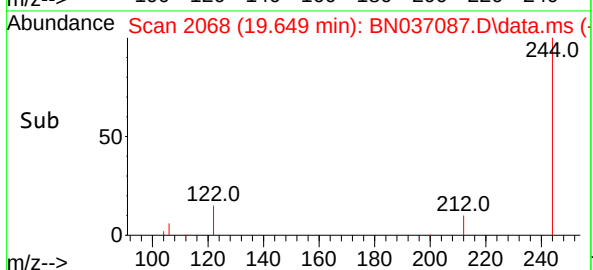
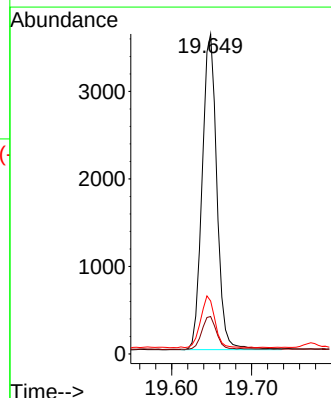
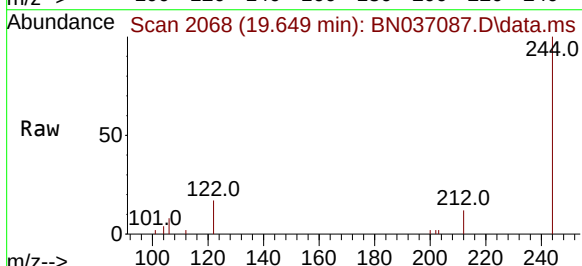
Tgt Ion:244 Resp: 4607

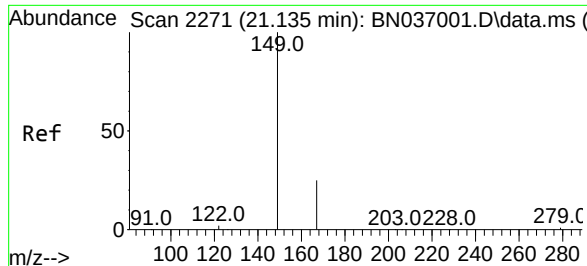
Ion Ratio Lower Upper

244 100

212 11.7 9.7 14.5

122 16.5 13.4 20.0





#34

Bis(2-ethylhexyl)phthalate

Concen: 0.056 ng

RT: 21.126 min Scan# 2110

Delta R.T. -0.009 min

Lab File: BN037087.D

Acq: 27 May 2025 15:11

Instrument :

BNA_N

ClientSampleId :

GDW2

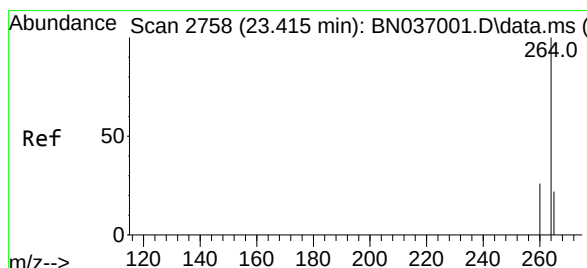
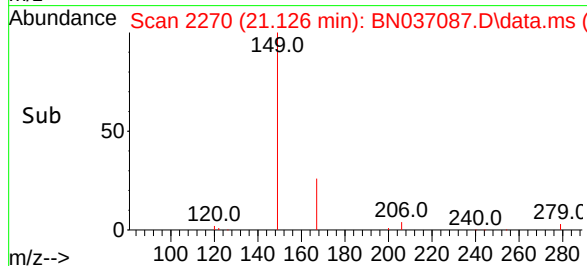
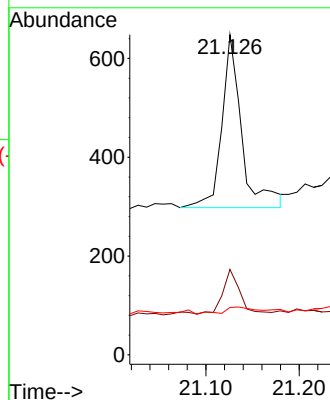
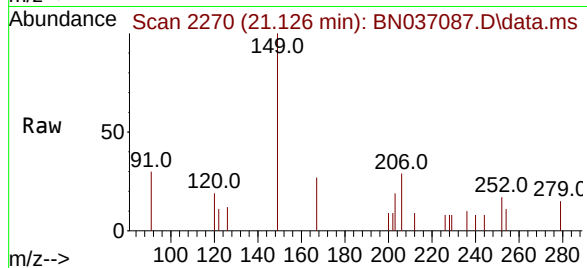
Tgt Ion:149 Resp: 515

Ion Ratio Lower Upper

149 100

167 21.7 20.6 30.8

279 3.7 2.6 3.8



#35

Perylene-d12

Concen: 0.400 ng

RT: 23.401 min Scan# 2753

Delta R.T. -0.015 min

Lab File: BN037087.D

Acq: 27 May 2025 15:11

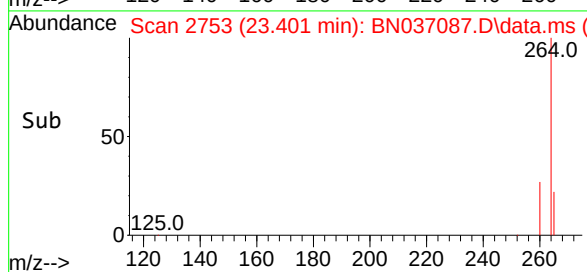
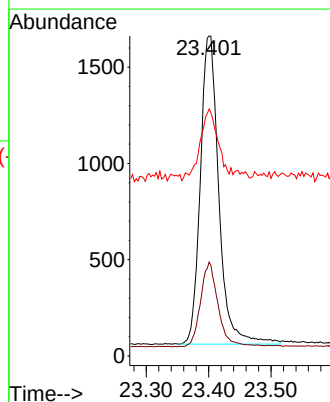
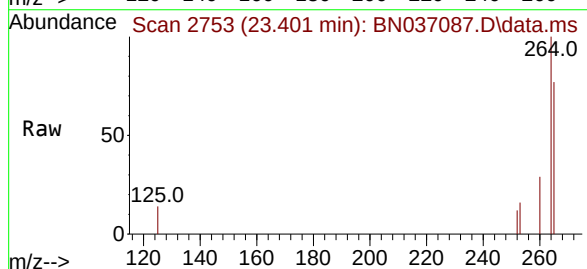
Tgt Ion:264 Resp: 3305

Ion Ratio Lower Upper

264 100

260 29.4 21.9 32.9

265 77.1 51.6 77.4



Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN052825\
Data File : BN037113.D
Acq On : 28 May 2025 17:47
Operator : RC/JU
Sample : PB168100BL
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
PB168100BL

A
B
C
D
E
F
G
H
I
J
K

Quant Time: May 28 18:13:39 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN051425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed May 14 11:26:32 2025
Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.611	152	1765	0.400	ng	0.00
7) Naphthalene-d8	10.394	136	4396	0.400	ng	#-0.01
13) Acenaphthene-d10	14.256	164	2346	0.400	ng	-0.01
19) Phenanthrene-d10	17.009	188	4153	0.400	ng	# 0.00
29) Chrysene-d12	21.198	240	2590	0.400	ng	0.00
35) Perylene-d12	23.401	264	2358	0.400	ng	#-0.01
System Monitoring Compounds						
4) 2-Fluorophenol	5.206	112	1668	0.361	ng	0.00
5) Phenol-d6	6.788	99	1904	0.329	ng	0.00
8) Nitrobenzene-d5	8.760	82	1646	0.344	ng	-0.01
11) 2-Methylnaphthalene-d10	11.991	152	2217	0.358	ng	0.00
14) 2,4,6-Tribromophenol	15.767	330	104	0.101	ng	0.00
15) 2-Fluorobiphenyl	12.883	172	3806	0.354	ng	0.00
27) Fluoranthene-d10	19.045	212	3791	0.333	ng	0.00
31) Terphenyl-d14	19.649	244	2552	0.461	ng	0.00

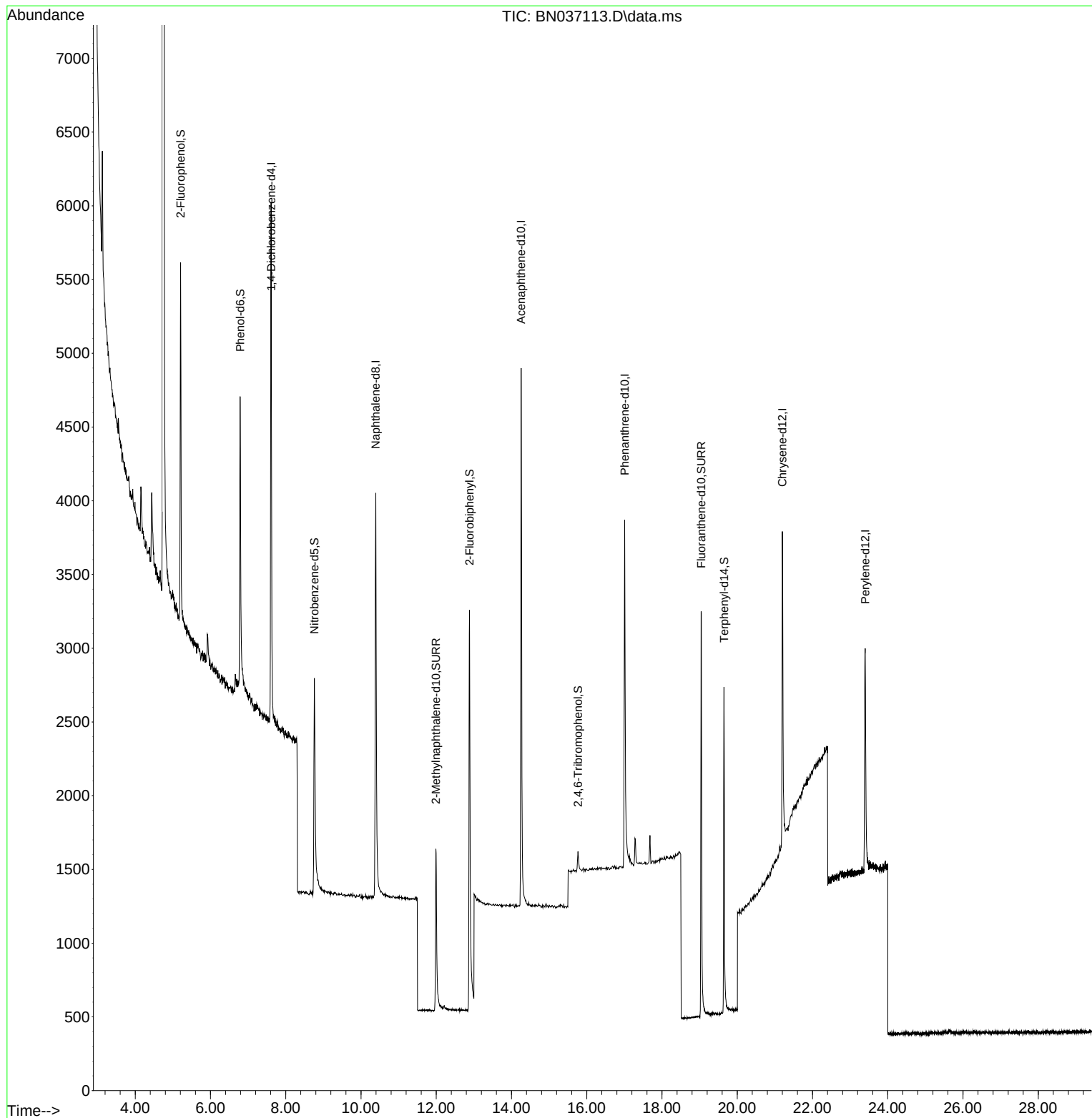
Target Compounds	Qvalue

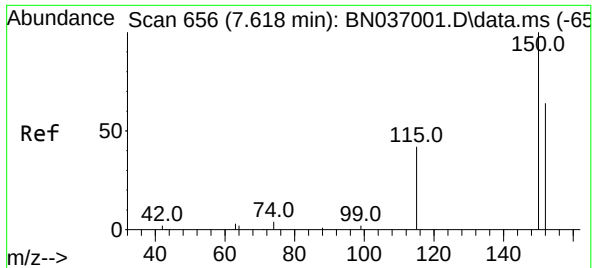
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN052825\
Data File : BN037113.D
Acq On : 28 May 2025 17:47
Operator : RC/JU
Sample : PB168100BL
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
PB168100BL

Quant Time: May 28 18:13:39 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN051425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed May 14 11:26:32 2025
Response via : Initial Calibration

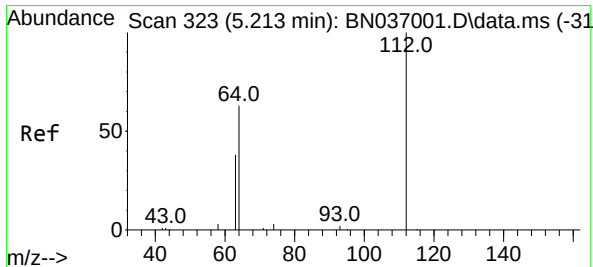
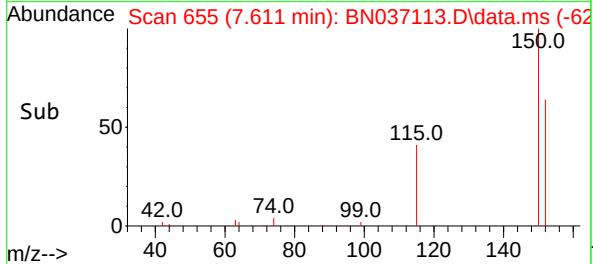
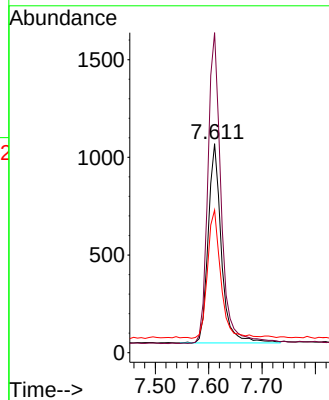
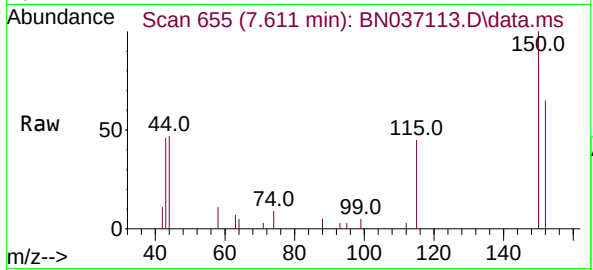




#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.611 min Scan# 61
Delta R.T. -0.007 min
Lab File: BN037113.D
Acq: 28 May 2025 17:47

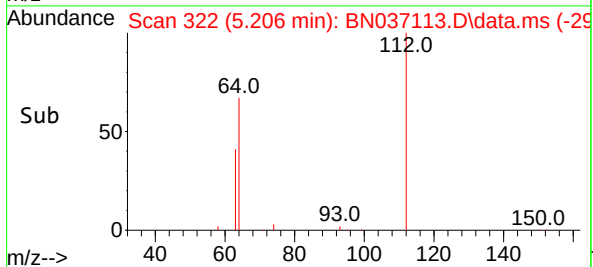
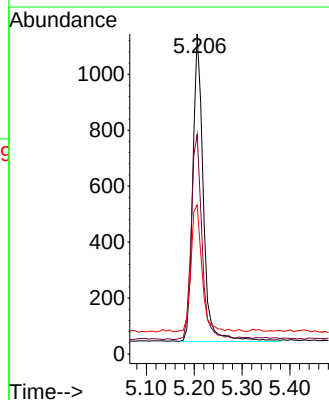
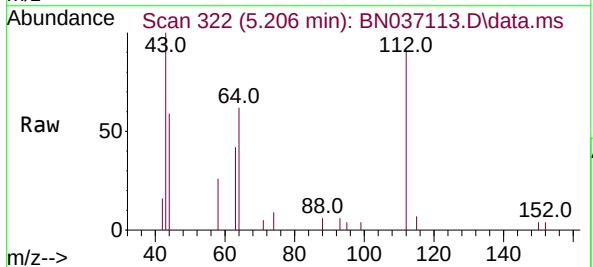
Instrument :
BNA_N
ClientSampleId :
PB168100BL

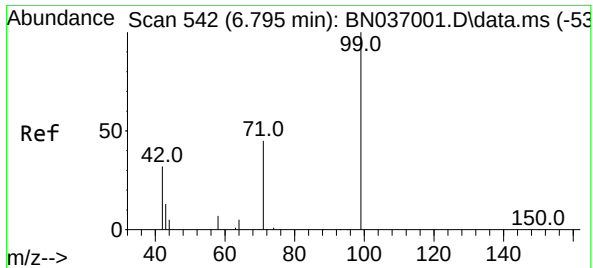
Tgt Ion:152 Resp: 1765
Ion Ratio Lower Upper
152 100
150 153.1 123.9 185.9
115 68.2 55.8 83.8



#4
2-Fluorophenol
Concen: 0.361 ng
RT: 5.206 min Scan# 322
Delta R.T. -0.007 min
Lab File: BN037113.D
Acq: 28 May 2025 17:47

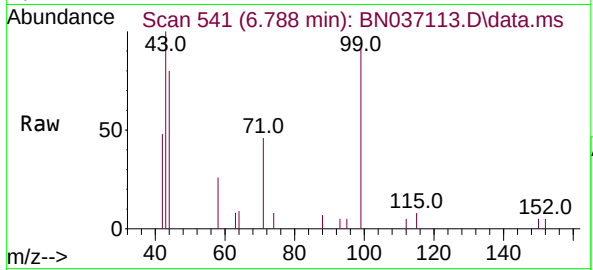
Tgt Ion:112 Resp: 1668
Ion Ratio Lower Upper
112 100
64 68.6 55.7 83.5
63 42.6 34.6 51.8



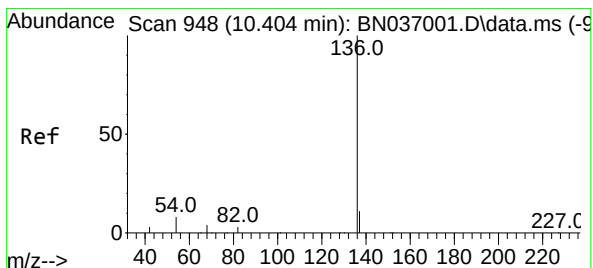
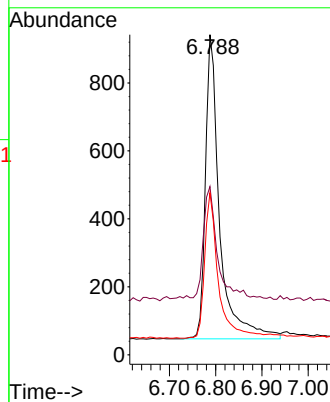
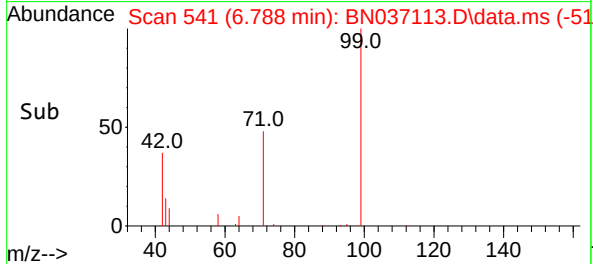


#5
Phenol-d6
Concen: 0.329 ng
RT: 6.788 min Scan# 541
Delta R.T. -0.007 min
Lab File: BN037113.D
Acq: 28 May 2025 17:47

Instrument :
BNA_N
ClientSampleId :
PB168100BL

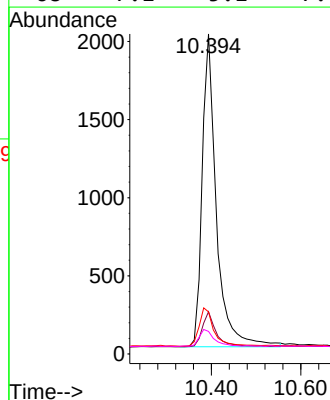
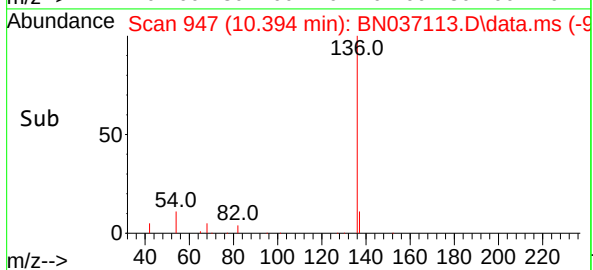
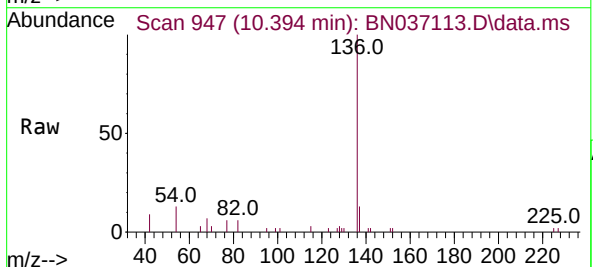


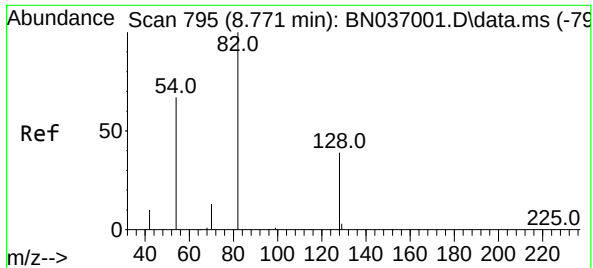
Tgt Ion: 99 Resp: 1904
Ion Ratio Lower Upper
99 100
42 37.3 29.3 43.9
71 46.2 35.7 53.5



#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.394 min Scan# 947
Delta R.T. -0.011 min
Lab File: BN037113.D
Acq: 28 May 2025 17:47

Tgt Ion: 136 Resp: 4396
Ion Ratio Lower Upper
136 100
137 13.2 10.4 15.6
54 13.2 8.5 12.7#
68 7.1 5.1 7.7

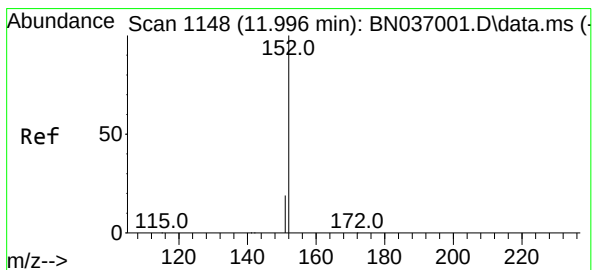
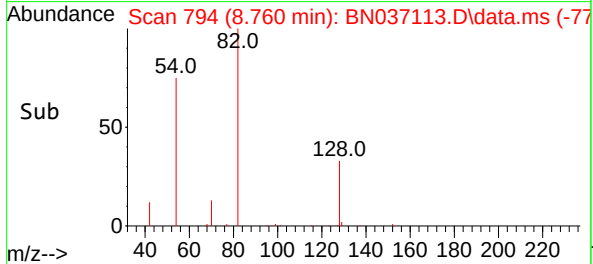
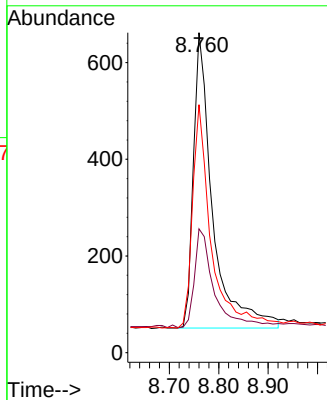
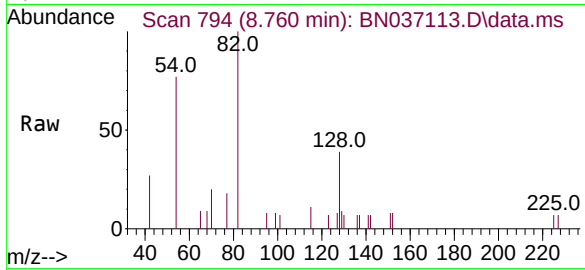




#8
Nitrobenzene-d5
Concen: 0.344 ng
RT: 8.760 min Scan# 795
Delta R.T. -0.011 min
Lab File: BN037113.D
Acq: 28 May 2025 17:47

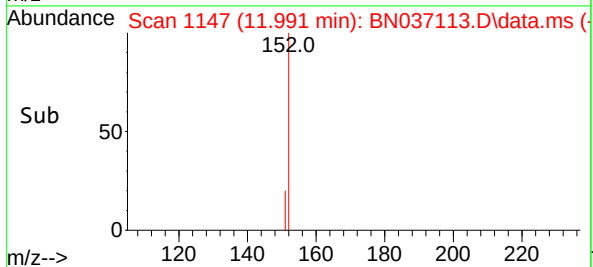
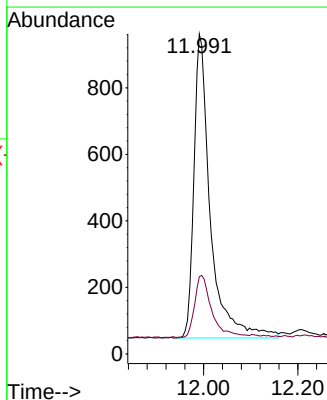
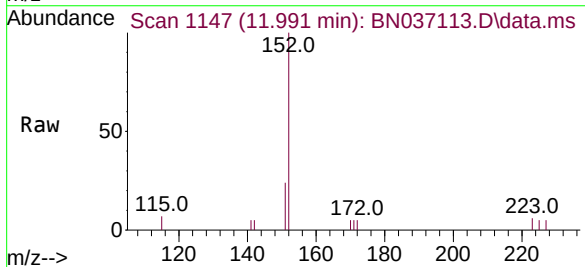
Instrument :
BNA_N
ClientSampleId :
PB168100BL

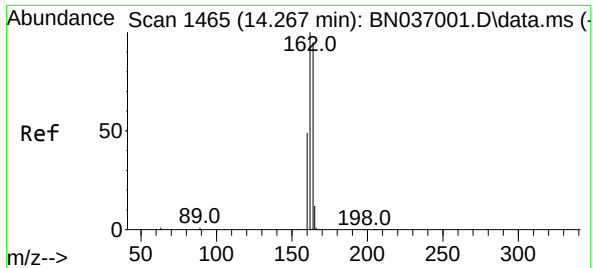
Tgt Ion:	82	Resp:	1646
Ion Ratio	Lower	Upper	
82	100		
128	38.7	34.0	51.0
54	77.5	55.0	82.4



#11
2-Methylnaphthalene-d10
Concen: 0.358 ng
RT: 11.991 min Scan# 1147
Delta R.T. -0.005 min
Lab File: BN037113.D
Acq: 28 May 2025 17:47

Tgt Ion:	152	Resp:	2217
Ion Ratio	Lower	Upper	
152	100		
151	21.1	17.5	26.3

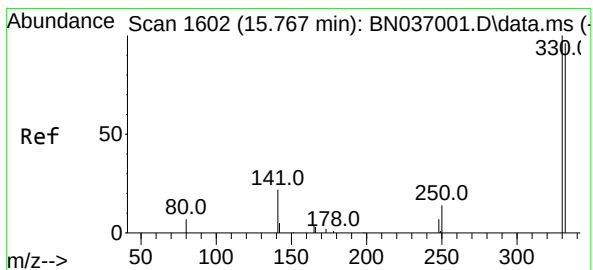
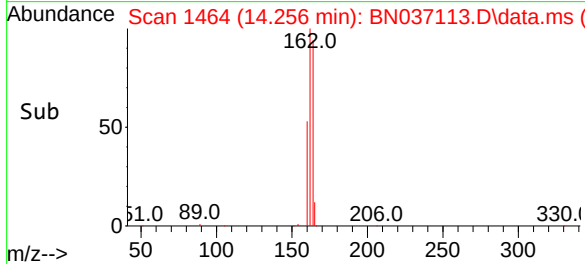
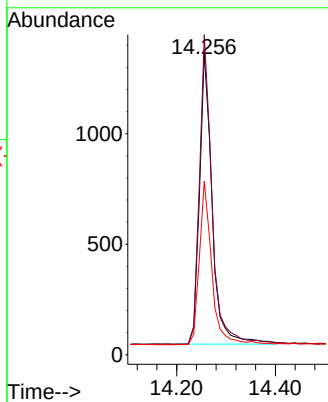
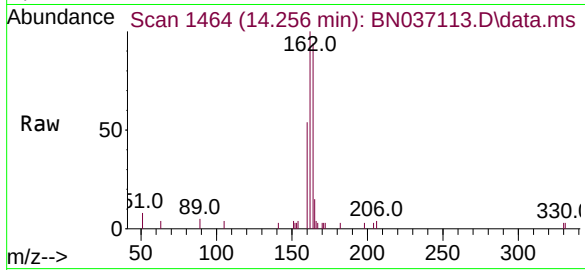




#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.256 min Scan# 1464
Delta R.T. -0.011 min
Lab File: BN037113.D
Acq: 28 May 2025 17:47

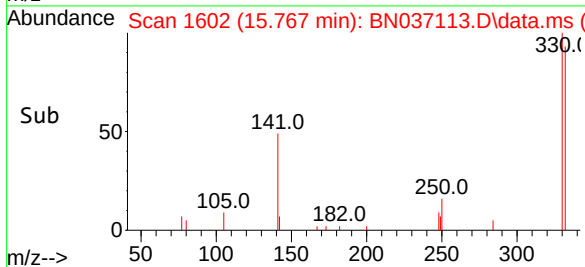
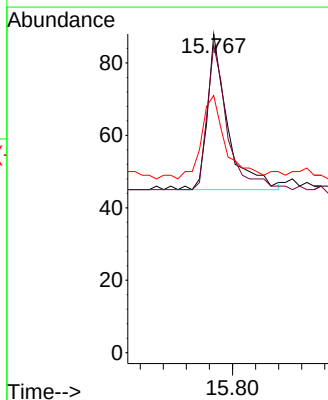
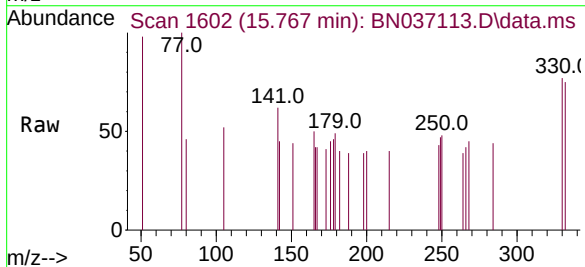
Instrument :
BNA_N
ClientSampleId :
PB168100BL

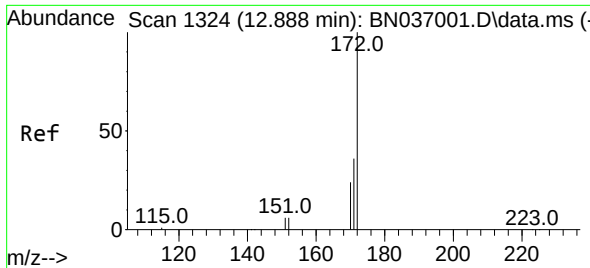
Tgt Ion:164 Resp: 2346
Ion Ratio Lower Upper
164 100
162 106.2 84.2 126.4
160 57.6 42.6 63.8



#14
2,4,6-Tribromophenol
Concen: 0.101 ng
RT: 15.767 min Scan# 1602
Delta R.T. 0.000 min
Lab File: BN037113.D
Acq: 28 May 2025 17:47

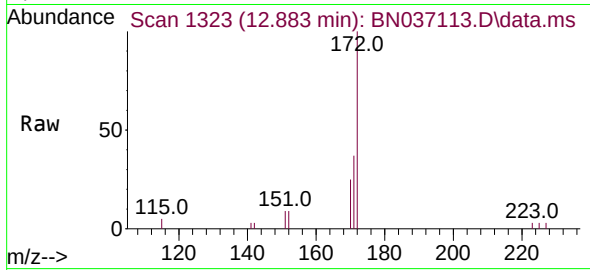
Tgt Ion:330 Resp: 104
Ion Ratio Lower Upper
330 100
332 93.3 73.8 110.8
141 65.4 43.9 65.9



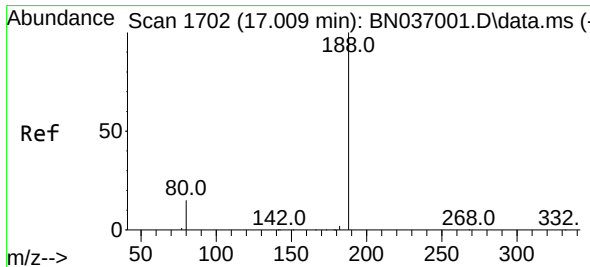
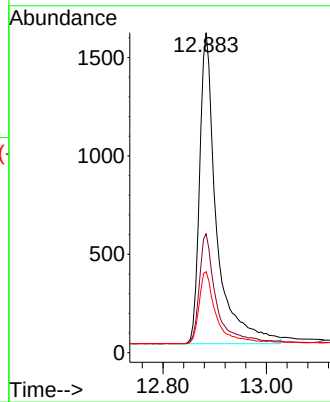
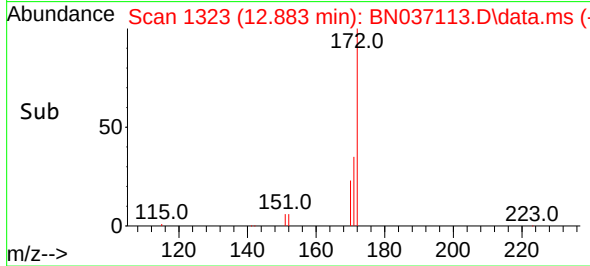


#15
2-Fluorobiphenyl
Concen: 0.354 ng
RT: 12.883 min Scan# 11
Delta R.T. -0.005 min
Lab File: BN037113.D
Acq: 28 May 2025 17:47

Instrument :
BNA_N
ClientSampleId :
PB168100BL

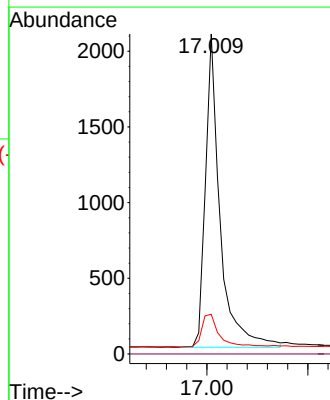
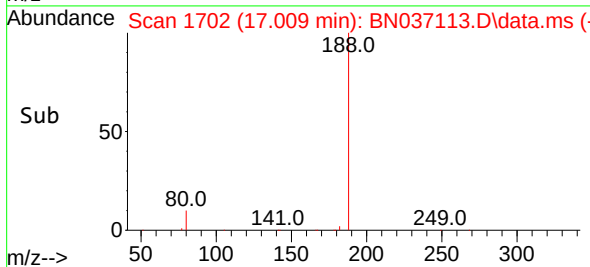
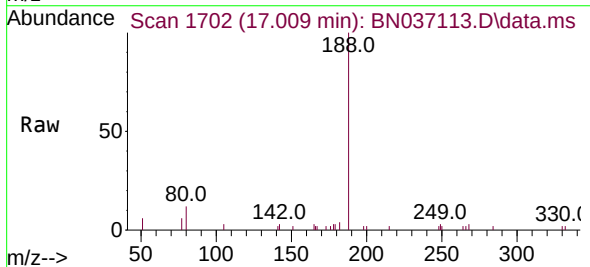


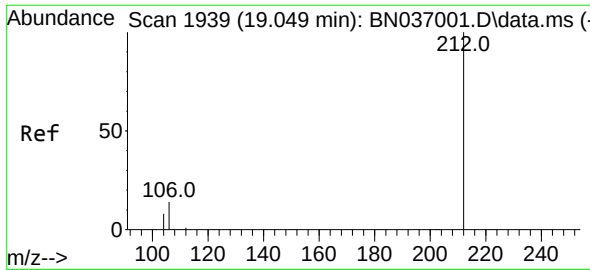
Tgt Ion:172 Resp: 3806
Ion Ratio Lower Upper
172 100
171 37.1 29.2 43.8
170 25.3 20.5 30.7



#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.009 min Scan# 1702
Delta R.T. 0.000 min
Lab File: BN037113.D
Acq: 28 May 2025 17:47

Tgt Ion:188 Resp: 4153
Ion Ratio Lower Upper
188 100
94 0.0 0.0 0.0
80 12.4 13.4 20.0#





#27

Fluoranthene-d10

Concen: 0.333 ng

RT: 19.045 min Scan# 1938

Delta R.T. -0.005 min

Lab File: BN037113.D

Acq: 28 May 2025 17:47

Instrument :

BNA_N

ClientSampleId :

PB168100BL

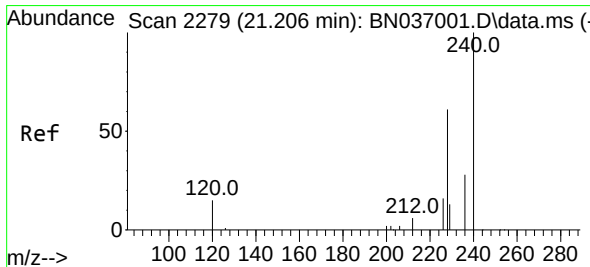
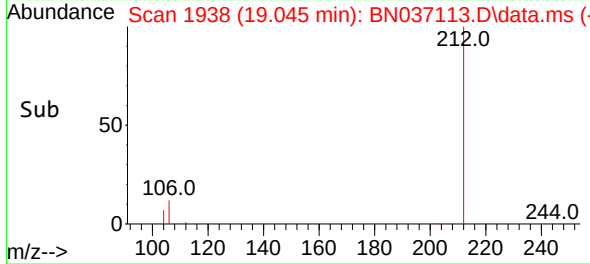
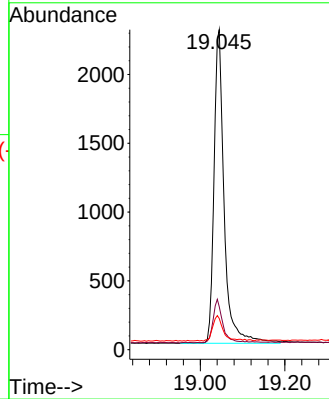
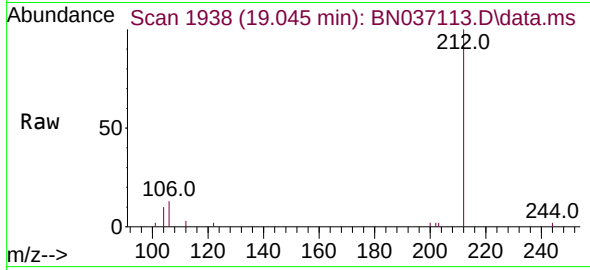
Tgt Ion:212 Resp: 3791

Ion Ratio Lower Upper

212 100

106 13.0 11.3 16.9

104 8.3 6.7 10.1



#29

Chrysene-d12

Concen: 0.400 ng

RT: 21.198 min Scan# 2278

Delta R.T. -0.009 min

Lab File: BN037113.D

Acq: 28 May 2025 17:47

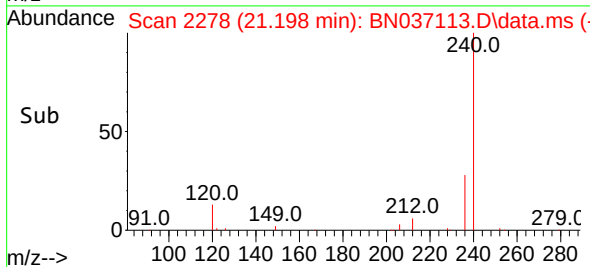
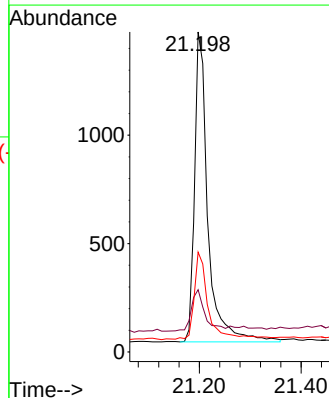
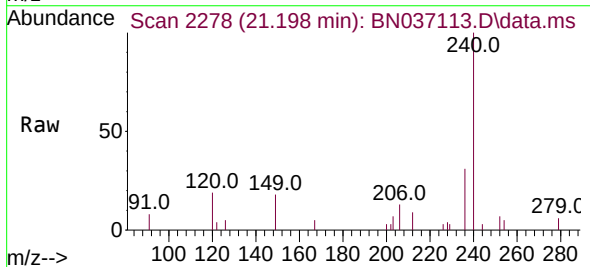
Tgt Ion:240 Resp: 2590

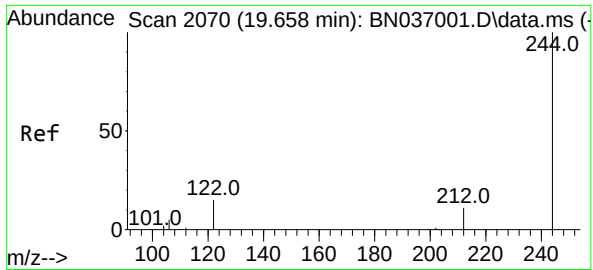
Ion Ratio Lower Upper

240 100

120 19.4 15.1 22.7

236 31.2 24.0 36.0

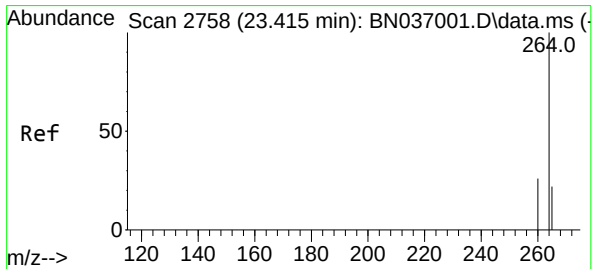
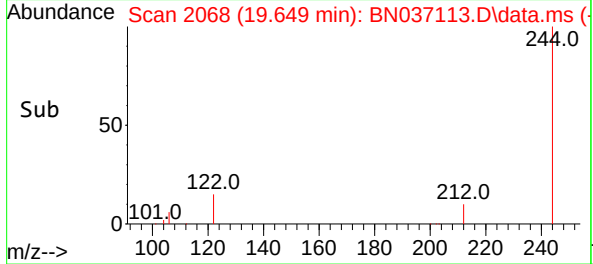
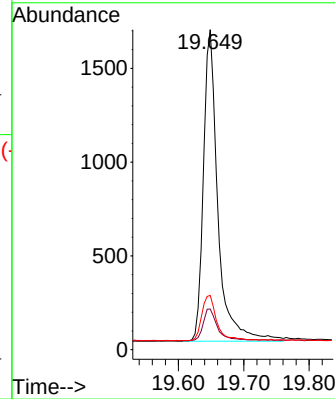
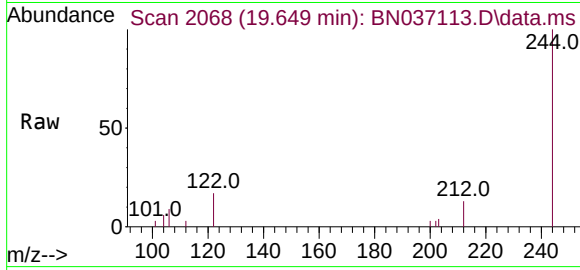




#31
 Terphenyl-d14
 Concen: 0.461 ng
 RT: 19.649 min Scan# 2070
 Delta R.T. -0.009 min
 Lab File: BN037113.D
 Acq: 28 May 2025 17:47

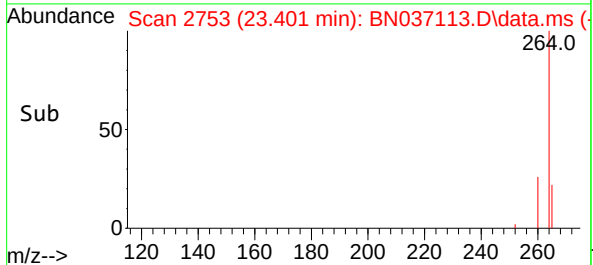
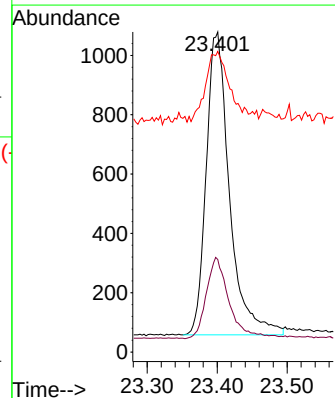
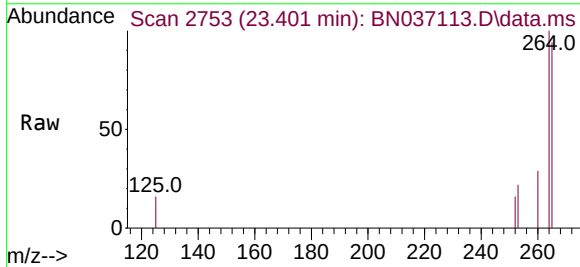
Instrument :
 BNA_N
 ClientSampleId :
 PB168100BL

Tgt Ion:244 Resp: 2552
 Ion Ratio Lower Upper
 244 100
 212 12.7 9.7 14.5
 122 16.9 13.4 20.0



#35
 Perylene-d12
 Concen: 0.400 ng
 RT: 23.401 min Scan# 2753
 Delta R.T. -0.015 min
 Lab File: BN037113.D
 Acq: 28 May 2025 17:47

Tgt Ion:264 Resp: 2358
 Ion Ratio Lower Upper
 264 100
 260 28.9 21.9 32.9
 265 93.9 51.6 77.4#



Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN052825\
 Data File : BN037124.D
 Acq On : 29 May 2025 00:23
 Operator : RC/JU
 Sample : PB168100BS
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 PB168100BS

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 05/29/2025
 Supervised By :Jagrut Upadhyay 05/29/2025

Quant Time: May 29 01:34:24 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN051425.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed May 14 11:26:32 2025
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.611	152	2482	0.400	ng	0.00
7) Naphthalene-d8	10.383	136	6249	0.400	ng	#-0.02
13) Acenaphthene-d10	14.256	164	2970	0.400	ng	-0.01
19) Phenanthrene-d10	17.009	188	4819	0.400	ng	# 0.00
29) Chrysene-d12	21.198	240	3074	0.400	ng	0.00
35) Perylene-d12	23.395	264	3112	0.400	ng	#-0.02
System Monitoring Compounds						
4) 2-Fluorophenol	5.206	112	2242	0.345	ng	0.00
5) Phenol-d6	6.788	99	2593	0.319	ng	0.00
8) Nitrobenzene-d5	8.760	82	2259	0.332	ng	-0.01
11) 2-Methylnaphthalene-d10	11.986	152	3317m	0.377	ng	-0.01
14) 2,4,6-Tribromophenol	15.755	330	326	0.250	ng	-0.01
15) 2-Fluorobiphenyl	12.873	172	4707	0.346	ng	-0.02
27) Fluoranthene-d10	19.040	212	3641	0.276	ng	0.00
31) Terphenyl-d14	19.649	244	2422	0.368	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.133	88	861	0.283	ng	# 36
3) n-Nitrosodimethylamine	3.444	42	2136	0.326	ng	# 90
6) bis(2-Chloroethyl)ether	7.041	93	2451	0.327	ng	99
9) Naphthalene	10.436	128	6160	0.334	ng	98
10) Hexachlorobutadiene	10.725	225	1373	0.354	ng	# 99
12) 2-Methylnaphthalene	12.062	142	3449	0.290	ng	98
16) Acenaphthylene	13.967	152	5388	0.373	ng	100
17) Acenaphthene	14.320	154	3199	0.339	ng	100
18) Fluorene	15.304	166	3917	0.316	ng	100
20) 4,6-Dinitro-2-methylph...	15.400	198	334	0.363	ng	91
21) 4-Bromophenyl-phenylether	16.202	248	1107	0.364	ng	96
22) Hexachlorobenzene	16.314	284	1238	0.380	ng	99
23) Atrazine	16.475	200	861	0.324	ng	95
24) Pentachlorophenol	16.661	266	517	0.288	ng	97
25) Phenanthrene	17.046	178	5320	0.338	ng	99
26) Anthracene	17.133	178	4823	0.337	ng	99
28) Fluoranthene	19.068	202	4934	0.262	ng	98
30) Pyrene	19.430	202	4842	0.368	ng	99
32) Benzo(a)anthracene	21.180	228	3881	0.335	ng	98
33) Chrysene	21.233	228	4404	0.360	ng	98
34) Bis(2-ethylhexyl)phtha...	21.126	149	2227	0.313	ng	99
36) Indeno(1,2,3-cd)pyrene	25.599	276	4982	0.392	ng	99
37) Benzo(b)fluoranthene	22.737	252	4085	0.316	ng	95
38) Benzo(k)fluoranthene	22.781	252	4383m	0.344	ng	
39) Benzo(a)pyrene	23.298	252	3942	0.360	ng	93
40) Dibenzo(a,h)anthracene	25.614	278	3842	0.388	ng	97
41) Benzo(g,h,i)perylene	26.272	276	4293	0.399	ng	98

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

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN052825\
 Data File : BN037124.D
 Acq On : 29 May 2025 00:23
 Operator : RC/JU
 Sample : PB168100BS
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :

BNA_N

ClientSampleId :

PB168100BS

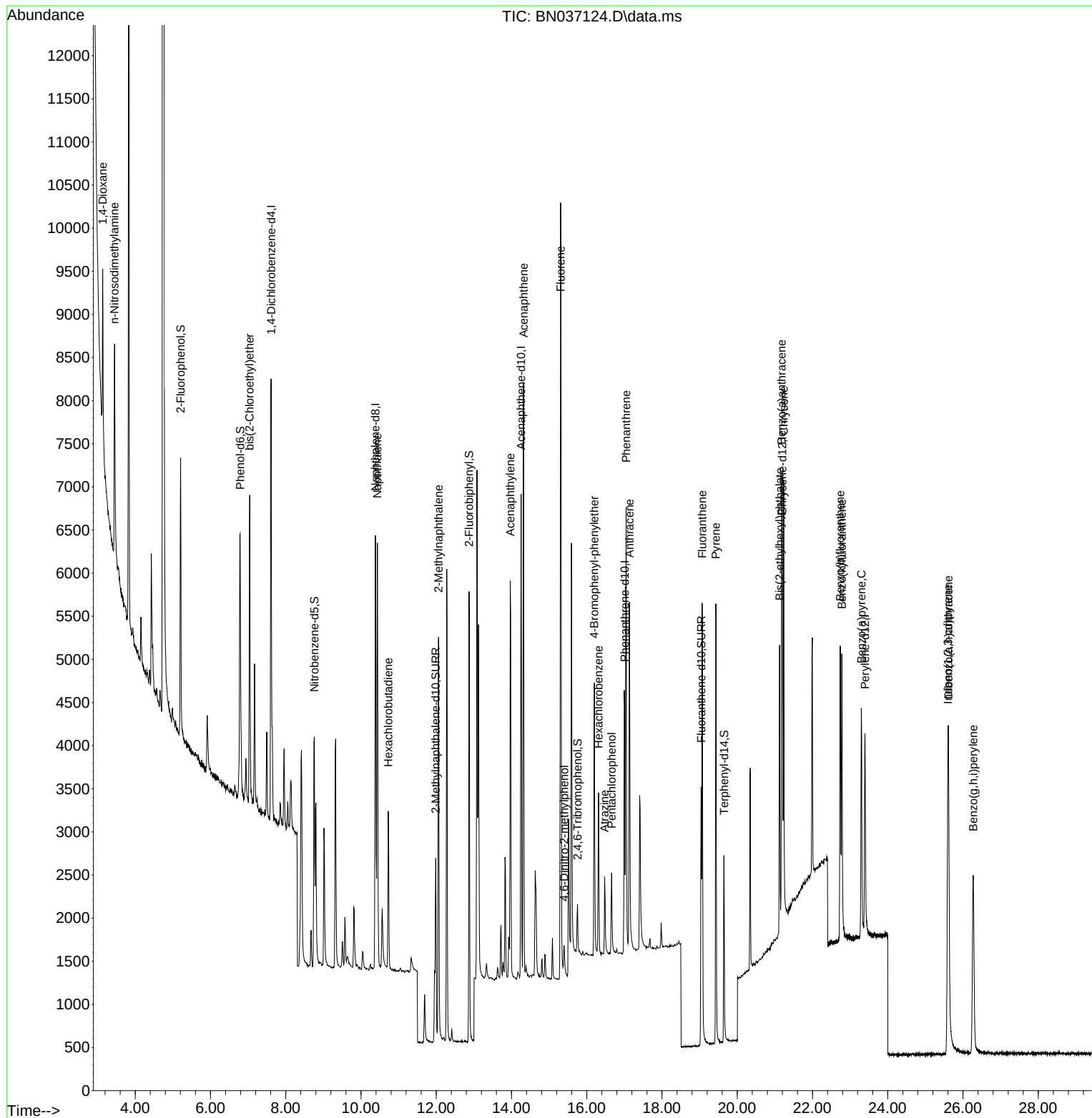
Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 05/29/2025

Supervised By :Jagrut Upadhyay 05/29/2025

Quant Time: May 29 01:34:24 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN051425.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed May 14 11:26:32 2025
 Response via : Initial Calibration



Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN052825\
 Data File : BN037125.D
 Acq On : 29 May 2025 00:59
 Operator : RC/JU
 Sample : PB168100BSD
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 PB168100BSD

Manual Integrations
 APPROVED

Reviewed By :Rahul Chavli 05/29/2025
 Supervised By :Jagrut Upadhyay 05/29/2025

Quant Time: May 29 01:34:45 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN051425.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed May 14 11:26:32 2025
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.611	152	2246	0.400	ng	0.00
7) Naphthalene-d8	10.383	136	5562	0.400	ng	#-0.02
13) Acenaphthene-d10	14.256	164	2593	0.400	ng	-0.01
19) Phenanthrene-d10	17.009	188	4050	0.400	ng	# 0.00
29) Chrysene-d12	21.197	240	2689	0.400	ng	# 0.00
35) Perylene-d12	23.392	264	2817	0.400	ng	#-0.02
System Monitoring Compounds						
4) 2-Fluorophenol	5.206	112	2079	0.353	ng	0.00
5) Phenol-d6	6.788	99	2359	0.320	ng	0.00
8) Nitrobenzene-d5	8.760	82	2096	0.346	ng	-0.01
11) 2-Methylnaphthalene-d10	11.986	152	2821m	0.360	ng	-0.01
14) 2,4,6-Tribromophenol	15.755	330	282	0.248	ng	-0.01
15) 2-Fluorobiphenyl	12.873	172	4652	0.392	ng	-0.02
27) Fluoranthene-d10	19.040	212	3234	0.291	ng	0.00
31) Terphenyl-d14	19.644	244	2197	0.382	ng	-0.01
Target Compounds						Qvalue
2) 1,4-Dioxane	3.140	88	793	0.288	ng	# 35
3) n-Nitrosodimethylamine	3.451	42	2060	0.348	ng	# 92
6) bis(2-Chloroethyl)ether	7.040	93	2273	0.335	ng	98
9) Naphthalene	10.436	128	5672	0.345	ng	98
10) Hexachlorobutadiene	10.725	225	1281	0.371	ng	# 99
12) 2-Methylnaphthalene	12.062	142	3173	0.300	ng	98
16) Acenaphthylene	13.967	152	4902	0.388	ng	99
17) Acenaphthene	14.320	154	2903	0.352	ng	99
18) Fluorene	15.314	166	3562	0.329	ng	100
20) 4,6-Dinitro-2-methylph...	15.400	198	295	0.379	ng	94
21) 4-Bromophenyl-phenylether	16.202	248	1007	0.394	ng	94
22) Hexachlorobenzene	16.313	284	1097	0.401	ng	98
23) Atrazine	16.475	200	770	0.345	ng	94
24) Pentachlorophenol	16.661	266	431	0.286	ng	# 85
25) Phenanthrene	17.046	178	4747	0.359	ng	99
26) Anthracene	17.133	178	4404	0.366	ng	100
28) Fluoranthene	19.068	202	4429	0.280	ng	100
30) Pyrene	19.430	202	4405	0.383	ng	100
32) Benzo(a)anthracene	21.180	228	3556	0.351	ng	98
33) Chrysene	21.233	228	4044	0.378	ng	98
34) Bis(2-ethylhexyl)phtha...	21.126	149	2055	0.330	ng	# 99
36) Indeno(1,2,3-cd)pyrene	25.593	276	4915	0.427	ng	97
37) Benzo(b)fluoranthene	22.734	252	3833	0.328	ng	96
38) Benzo(k)fluoranthene	22.778	252	4110	0.356	ng	95
39) Benzo(a)pyrene	23.298	252	3660	0.369	ng	# 91
40) Dibenzo(a,h)anthracene	25.608	278	3782	0.422	ng	95
41) Benzo(g,h,i)perylene	26.272	276	4218	0.433	ng	98

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

Instrument :
BNA_N
ClientSampleId :
PB168100BSD

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 05/29/2025
Supervised By :Jagrut Upadhyay 05/29/2025



Manual Integration Report

Sequence:

bn051425

Instrument

BNA_n

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
SSTDICC0.2	BN037000.D	Benzo(b)fluoranthene	Rahul	5/15/2025 9:23:24 AM	Jagrut	5/15/2025 3:49:25 PM	Peak Integrated by Software
SSTDCCC0.4	BN037009.D	1,4-Dioxane	Rahul	5/15/2025 9:23:28 AM	Jagrut	5/15/2025 3:49:28 PM	Peak Integrated by Software



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

Manual Integration Report

Sequence:	BN052725	Instrument	BNA_n
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Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
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Manual Integration Report

Sequence:	BN052825	Instrument	BNA_n
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Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
PB168100BS	BN037124.D	2-Methylnaphthalene-d10	Rahul	5/29/2025 1:10:16 PM	Jagrut	5/29/2025 1:23:23 PM	Peak Integrated by Software
PB168100BS	BN037124.D	Benzo(k)fluoranthene	Rahul	5/29/2025 1:10:16 PM	Jagrut	5/29/2025 1:23:23 PM	Peak Integrated by Software
PB168100BSD	BN037125.D	2-Methylnaphthalene-d10	Rahul	5/29/2025 1:10:18 PM	Jagrut	5/29/2025 1:23:26 PM	Peak Integrated by Software

Instrument ID: **BNA_N**

Daily Analysis Runlog For Sequence/QC Batch ID # BN051425

Review By	Rahul	Review On	5/15/2025 9:39:49 AM
Supervise By	Jagrut	Supervise On	5/15/2025 3:50:12 PM
SubDirectory	BN051425	HP Acquire Method	BNA_N, 8270_SiM HP Processing Method bn051425
STD. NAME	STD REF.#		
Tune/Reschk	SP6757		
Initial Calibration Stds	SP6781,SP6780,SP6779,SP6778,SP6777,SP6776,SP6775		
CCC	SP6779		
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	BN036998.D	13 May 2025 17:02	RC/JU	Ok
2	SSTDIC0.1	BN036999.D	13 May 2025 17:41	RC/JU	Ok
3	SSTDIC0.2	BN037000.D	13 May 2025 18:17	RC/JU	Ok,M
4	SSTDIC0.4	BN037001.D	13 May 2025 18:53	RC/JU	Ok
5	SSTDIC0.8	BN037002.D	13 May 2025 19:29	RC/JU	Ok
6	SSTDIC1.6	BN037003.D	13 May 2025 20:05	RC/JU	Ok
7	SSTDIC3.2	BN037004.D	13 May 2025 20:41	RC/JU	Ok
8	SSTDIC5.0	BN037005.D	13 May 2025 21:17	RC/JU	Ok
9	SSTDICV0.4	BN037006.D	13 May 2025 22:29	RC/JU	Ok
10	PB167888BL	BN037007.D	13 May 2025 23:42	RC/JU	Not Ok
11	DFTPP	BN037008.D	14 May 2025 09:37	RC/JU	Ok
12	SSTDIC0.4	BN037009.D	14 May 2025 10:31	RC/JU	Ok,M
13	PB167952BL	BN037010.D	14 May 2025 11:20	RC/JU	Ok
14	Q2000-01	BN037011.D	14 May 2025 12:03	RC/JU	Dilution
15	Q2000-01DL	BN037012.D	14 May 2025 13:29	RC/JU	Ok
16	Q1872-13	BN037013.D	14 May 2025 14:46	RC/JU	Dilution
17	Q1872-13DL	BN037014.D	14 May 2025 15:48	RC/JU	Ok,M
18	Q1985-01	BN037015.D	14 May 2025 16:48	RC/JU	Ok
19	Q2012-01	BN037016.D	14 May 2025 17:24	RC/JU	Dilution
20	Q2012-02	BN037017.D	14 May 2025 18:00	RC/JU	Ok
21	Q2012-03	BN037018.D	14 May 2025 18:36	RC/JU	Ok,M

Instrument ID: **BNA_N**

Daily Analysis Runlog For Sequence/QC Batch ID # BN051425

Review By	Rahul	Review On	5/15/2025 9:39:49 AM
Supervise By	Jagrut	Supervise On	5/15/2025 3:50:12 PM
SubDirectory	BN051425	HP Acquire Method	BNA_N, 8270_SiM HP Processing Method bn051425
STD. NAME	STD REF.#		
Tune/Reschk	SP6757		
Initial Calibration Stds	SP6781,SP6780,SP6779,SP6778,SP6777,SP6776,SP6775		
CCC	SP6779		
Internal Standard/PEM	SP6740,1ul/100ul sample		
ICV/I.BLK	SP6768		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

22	Q2013-02	BN037019.D	14 May 2025 19:12	RC/JU	Ok
23	Q2013-03	BN037020.D	14 May 2025 19:48	RC/JU	Ok
24	PB167952BS	BN037021.D	14 May 2025 20:24	RC/JU	Ok,M
25	PB167952BSD	BN037022.D	14 May 2025 21:00	RC/JU	Ok,M
26	SSTDCCC0.4	BN037023.D	14 May 2025 21:36	RC/JU	Ok

M : Manual Integration

A
B
C
D
E
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G
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I
J
K

Instrument ID: **BNA_N**

Daily Analysis Runlog For Sequence/QC Batch ID # BN052725

Review By	Rahul	Review On	5/28/2025 3:57:55 PM
Supervise By	Jagrut	Supervise On	5/28/2025 5:55:22 PM
SubDirectory	BN052725	HP Acquire Method	BNA_N, 8270_SiM HP Processing Method bn051425
STD. NAME	STD REF.#		
Tune/Reschk	SP6757		
Initial Calibration Stds	SP6781,SP6780,SP6779,SP6778,SP6777,SP6776,SP6775		
CCC	SP6779		
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	BN037083.D	27 May 2025 12:38	RC/JU	Ok
2	SSTDCCC0.4	BN037084.D	27 May 2025 13:23	RC/JU	Ok
3	PB168100BL	BN037085.D	27 May 2025 13:59	RC/JU	Not Ok
4	Q2073-01	BN037086.D	27 May 2025 14:35	RC/JU	Ok
5	Q2073-02	BN037087.D	27 May 2025 15:11	RC/JU	Ok
6	Q2082-02	BN037088.D	27 May 2025 15:47	RC/JU	Not Ok
7	Q2082-04	BN037089.D	27 May 2025 16:24	RC/JU	Not Ok
8	Q2082-06	BN037090.D	27 May 2025 17:00	RC/JU	Not Ok
9	Q2082-08	BN037091.D	27 May 2025 17:36	RC/JU	Not Ok
10	Q2082-12	BN037092.D	27 May 2025 18:12	RC/JU	Not Ok
11	Q2118-02	BN037093.D	27 May 2025 18:48	RC/JU	Not Ok
12	Q2118-05	BN037094.D	27 May 2025 19:24	RC/JU	Not Ok
13	Q2118-07	BN037095.D	27 May 2025 20:00	RC/JU	Not Ok
14	Q2118-09	BN037096.D	27 May 2025 20:36	RC/JU	Not Ok
15	Q2119-01	BN037097.D	27 May 2025 21:12	RC/JU	Not Ok
16	PB168100BS	BN037098.D	27 May 2025 21:48	RC/JU	Not Ok
17	PB168100BSD	BN037099.D	27 May 2025 22:24	RC/JU	Not Ok
18	SSTDCCC0.4	BN037100.D	27 May 2025 23:00	RC/JU	Not Ok

M : Manual Integration

Instrument ID: **BNA_N**

Daily Analysis Runlog For Sequence/QC Batch ID # BN052825

Review By	Rahul	Review On	5/29/2025 1:10:50 PM
Supervise By	Jagrut	Supervise On	5/29/2025 1:23:51 PM
SubDirectory	BN052825	HP Acquire Method	BNA_N, 8270_SiM HP Processing Method bn051425
STD. NAME	STD REF.#		
Tune/Reschk	SP6757		
Initial Calibration Stds	SP6781,SP6780,SP6779,SP6778,SP6777,SP6776,SP6775		
CCC	SP6779		
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	BN037101.D	28 May 2025 10:02	RC/JU	Ok
2	SSTDCCC0.4	BN037102.D	28 May 2025 10:41	RC/JU	Ok
3	PB168155BL	BN037103.D	28 May 2025 11:17	RC/JU	Ok
4	Q2119-02	BN037104.D	28 May 2025 11:53	RC/JU	Ok
5	Q2119-03	BN037105.D	28 May 2025 12:29	RC/JU	Ok
6	Q2120-01	BN037106.D	28 May 2025 13:05	RC/JU	Ok
7	Q2120-02	BN037107.D	28 May 2025 13:41	RC/JU	Ok
8	PB168155BS	BN037108.D	28 May 2025 14:17	RC/JU	Ok,M
9	PB168155BSD	BN037109.D	28 May 2025 14:53	RC/JU	Ok,M
10	SSTDCCC0.4	BN037110.D	28 May 2025 15:54	RC/JU	Ok
11	DFTPP	BN037111.D	28 May 2025 16:31	RC/JU	Ok
12	SSTDCCC0.4	BN037112.D	28 May 2025 17:11	RC/JU	Ok
13	PB168100BL	BN037113.D	28 May 2025 17:47	RC/JU	Ok
14	Q2082-02	BN037114.D	28 May 2025 18:23	RC/JU	Ok
15	Q2082-04	BN037115.D	28 May 2025 18:59	RC/JU	Ok,M
16	Q2082-06	BN037116.D	28 May 2025 19:35	RC/JU	Ok
17	Q2082-08	BN037117.D	28 May 2025 20:11	RC/JU	Ok
18	Q2082-12	BN037118.D	28 May 2025 20:47	RC/JU	Ok
19	Q2118-02	BN037119.D	28 May 2025 21:23	RC/JU	Ok
20	Q2118-05	BN037120.D	28 May 2025 21:59	RC/JU	Ok
21	Q2118-07	BN037121.D	28 May 2025 22:35	RC/JU	Ok

Instrument ID: **BNA_N**

Daily Analysis Runlog For Sequence/QC Batch ID # BN052825

Review By	Rahul	Review On	5/29/2025 1:10:50 PM
Supervise By	Jagrut	Supervise On	5/29/2025 1:23:51 PM
SubDirectory	BN052825	HP Acquire Method	BNA_N, 8270_SiM HP Processing Method bn051425
STD. NAME	STD REF.#		
Tune/Reschk	SP6757		
Initial Calibration Stds	SP6781,SP6780,SP6779,SP6778,SP6777,SP6776,SP6775		
CCC	SP6779		
Internal Standard/PEM	SP6740,1ul/100ul sample		
ICV/I.BLK	SP6768		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

22	Q2118-09	BN037122.D	28 May 2025 23:11	RC/JU	ReRun
23	Q2119-01	BN037123.D	28 May 2025 23:47	RC/JU	Ok
24	PB168100BS	BN037124.D	29 May 2025 00:23	RC/JU	Ok,M
25	PB168100BSD	BN037125.D	29 May 2025 00:59	RC/JU	Ok,M
26	SSTDCCC0.4	BN037126.D	29 May 2025 01:35	RC/JU	Ok

M : Manual Integration

Instrument ID: BNA_N

Daily Analysis Runlog For Sequence/QC Batch ID # BN051425

Review By	Rahul	Review On	5/15/2025 9:39:49 AM
Supervise By	Jagrut	Supervise On	5/15/2025 3:50:12 PM
SubDirectory	BN051425	HP Acquire Method	BNA_N, 8270_HP Processing Method bn051425

STD. NAME	STD REF.#
Tune/Reschk	SP6757
Initial Calibration Stds	SP6781,SP6780,SP6779,SP6778,SP6777,SP6776,SP6775
CCC	SP6779
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	BN036998.D	13 May 2025 17:02		RC/JU	Ok
2	SSTDICC0.1	SSTDICC0.1	BN036999.D	13 May 2025 17:41	Compound #02,04,05,20 removed from 0.1ppm	RC/JU	Ok
3	SSTDICC0.2	SSTDICC0.2	BN037000.D	13 May 2025 18:17		RC/JU	Ok,M
4	SSTDICCC0.4	SSTDICCC0.4	BN037001.D	13 May 2025 18:53	Compound #20 kept on QR	RC/JU	Ok
5	SSTDICC0.8	SSTDICC0.8	BN037002.D	13 May 2025 19:29		RC/JU	Ok
6	SSTDICC1.6	SSTDICC1.6	BN037003.D	13 May 2025 20:05		RC/JU	Ok
7	SSTDICC3.2	SSTDICC3.2	BN037004.D	13 May 2025 20:41		RC/JU	Ok
8	SSTDICC5.0	SSTDICC5.0	BN037005.D	13 May 2025 21:17		RC/JU	Ok
9	SSTDICV0.4	ICVBN051424	BN037006.D	13 May 2025 22:29		RC/JU	Ok
10	PB167888BL	PB167888BL	BN037007.D	13 May 2025 23:42	Analyzed for contamination check	RC/JU	Not Ok
11	DFTPP	DFTPP	BN037008.D	14 May 2025 09:37		RC/JU	Ok
12	SSTDCCC0.4	SSTDCCC0.4	BN037009.D	14 May 2025 10:31		RC/JU	Ok,M
13	PB167952BL	PB167952BL	BN037010.D	14 May 2025 11:20		RC/JU	Ok
14	Q2000-01	38072-062223	BN037011.D	14 May 2025 12:03	PT Sample, Need 50X Dilution	RC/JU	Dilution
15	Q2000-01DL	38072-062223DL	BN037012.D	14 May 2025 13:29		RC/JU	Ok
16	Q1872-13	HW0425-PT-PAH-SOIL	BN037013.D	14 May 2025 14:46	PT Sample, Need 10X Dilution	RC/JU	Dilution
17	Q1872-13DL	HW0425-PT-PAH-SOIL	BN037014.D	14 May 2025 15:48		RC/JU	Ok,M

Instrument ID: BNA_N

Daily Analysis Runlog For Sequence/QC Batch ID # BN051425

Review By	Rahul	Review On	5/15/2025 9:39:49 AM
Supervise By	Jagrut	Supervise On	5/15/2025 3:50:12 PM
SubDirectory	BN051425	HP Acquire Method	BNA_N, 8270_HP Processing Method bn051425
STD. NAME	STD REF.#		
Tune/Reschk	SP6757		
Initial Calibration Stds	SP6781,SP6780,SP6779,SP6778,SP6777,SP6776,SP6775		
CCC	SP6779		
Internal Standard/PEM	SP6740,1ul/100ul sample		
ICV/I.BLK	SP6768		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

18	Q1985-01	RW8-BW-20250507	BN037015.D	14 May 2025 16:48		RC/JU	Ok
19	Q2012-01	RW5-SP100-20250509	BN037016.D	14 May 2025 17:24	Need 2X Dilution	RC/JU	Dilution
20	Q2012-02	RW5-SP201-20250509	BN037017.D	14 May 2025 18:00		RC/JU	Ok
21	Q2012-03	RW5-SP303-20250509	BN037018.D	14 May 2025 18:36		RC/JU	Ok,M
22	Q2013-02	BP-TT192D2-GW-2025	BN037019.D	14 May 2025 19:12		RC/JU	Ok
23	Q2013-03	BP-TT192D1-GW-2025	BN037020.D	14 May 2025 19:48		RC/JU	Ok
24	PB167952BS	PB167952BS	BN037021.D	14 May 2025 20:24		RC/JU	Ok,M
25	PB167952BSD	PB167952BSD	BN037022.D	14 May 2025 21:00		RC/JU	Ok,M
26	SSTDCCC0.4	SSTDCCC0.4EC	BN037023.D	14 May 2025 21:36		RC/JU	Ok

M : Manual Integration

Instrument ID: BNA_N

Daily Analysis Runlog For Sequence/QC Batch ID # BN052725

Review By	Rahul	Review On	5/28/2025 3:57:55 PM
Supervise By	Jagrut	Supervise On	5/28/2025 5:55:22 PM
SubDirectory	BN052725	HP Acquire Method	BNA_N, 8270_HP Processing Method bn051425

STD. NAME	STD REF.#
Tune/Reschk	SP6757
Initial Calibration Stds	SP6781,SP6780,SP6779,SP6778,SP6777,SP6776,SP6775
CCC	SP6779
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	BN037083.D	27 May 2025 12:38		RC/JU	Ok
2	SSTDCCC0.4	SSTDCCC0.4	BN037084.D	27 May 2025 13:23		RC/JU	Ok
3	PB168100BL	PB168100BL	BN037085.D	27 May 2025 13:59	END CCAL Fail, Analyzed for contamination check	RC/JU	Not Ok
4	Q2073-01	GDW1	BN037086.D	27 May 2025 14:35		RC/JU	Ok
5	Q2073-02	GDW2	BN037087.D	27 May 2025 15:11		RC/JU	Ok
6	Q2082-02	BP-VPB-182-GW-260-2	BN037088.D	27 May 2025 15:47	END CCAL Fail	RC/JU	Not Ok
7	Q2082-04	BP-VPB-182-GW-300-3	BN037089.D	27 May 2025 16:24	END CCAL Fail	RC/JU	Not Ok
8	Q2082-06	BP-VPB-182-GW-340-3	BN037090.D	27 May 2025 17:00	END CCAL Fail	RC/JU	Not Ok
9	Q2082-08	BP-VPB-182-GW-390-3	BN037091.D	27 May 2025 17:36	END CCAL Fail	RC/JU	Not Ok
10	Q2082-12	VPB182-HYD-2025051	BN037092.D	27 May 2025 18:12	END CCAL Fail, Surrogate Fail	RC/JU	Not Ok
11	Q2118-02	BP-VPB-182-GW-420-4	BN037093.D	27 May 2025 18:48	END CCAL Fail	RC/JU	Not Ok
12	Q2118-05	BP-VPB-182-GW-460-4	BN037094.D	27 May 2025 19:24	END CCAL Fail	RC/JU	Not Ok
13	Q2118-07	BP-VPB-182-GW-500-5	BN037095.D	27 May 2025 20:00	END CCAL Fail	RC/JU	Not Ok
14	Q2118-09	BP-VPB-182-GW-540-5	BN037096.D	27 May 2025 20:36	END CCAL Fail	RC/JU	Not Ok
15	Q2119-01	RW5-SP100-20250522	BN037097.D	27 May 2025 21:12	END CCAL Fail, Need 2X dilution	RC/JU	Not Ok
16	PB168100BS	PB168100BS	BN037098.D	27 May 2025 21:48	END CCAL Fail	RC/JU	Not Ok
17	PB168100BSD	PB168100BSD	BN037099.D	27 May 2025 22:24	END CCAL Fail	RC/JU	Not Ok

Instrument ID: BNA_N

Daily Analysis Runlog For Sequence/QC Batch ID # BN052725

Review By	Rahul	Review On	5/28/2025 3:57:55 PM
Supervise By	Jagrut	Supervise On	5/28/2025 5:55:22 PM
SubDirectory	BN052725	HP Acquire Method	BNA_N, 8270_HP Processing Method bn051425

STD. NAME	STD REF.#
Tune/Reschk	SP6757
Initial Calibration Stds	SP6781,SP6780,SP6779,SP6778,SP6777,SP6776,SP6775
CCC	SP6779
Internal Standard/PEM	SP6740,1ul/100ul sample
ICV/I.BLK	SP6768
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

18	SSTDCCC0.4	SSTDCCC0.4EC	BN037100.D	27 May 2025 23:00	1,4-Dioxane failing high	RC/JU	Not Ok
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M : Manual Integration

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Instrument ID: BNA_N

Daily Analysis Runlog For Sequence/QC Batch ID # BN052825

Review By	Rahul	Review On	5/29/2025 1:10:50 PM
Supervise By	Jagrut	Supervise On	5/29/2025 1:23:51 PM
SubDirectory	BN052825	HP Acquire Method	BNA_N, 8270_HP Processing Method bn051425
STD. NAME	STD REF.#		
Tune/Reschk	SP6757		
Initial Calibration Stds	SP6781,SP6780,SP6779,SP6778,SP6777,SP6776,SP6775		
CCC	SP6779		
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	BN037101.D	28 May 2025 10:02		RC/JU	Ok
2	SSTDCCC0.4	SSTDCCC0.4	BN037102.D	28 May 2025 10:41		RC/JU	Ok
3	PB168155BL	PB168155BL	BN037103.D	28 May 2025 11:17		RC/JU	Ok
4	Q2119-02	RW5-SP201-20250522	BN037104.D	28 May 2025 11:53		RC/JU	Ok
5	Q2119-03	RW5-SP303-20250522	BN037105.D	28 May 2025 12:29		RC/JU	Ok
6	Q2120-01	VPB182-HYD-2025052	BN037106.D	28 May 2025 13:05		RC/JU	Ok
7	Q2120-02	BP-VPB-182-EB-20250	BN037107.D	28 May 2025 13:41		RC/JU	Ok
8	PB168155BS	PB168155BS	BN037108.D	28 May 2025 14:17		RC/JU	Ok,M
9	PB168155BSD	PB168155BSD	BN037109.D	28 May 2025 14:53		RC/JU	Ok,M
10	SSTDCCC0.4	SSTDCCC0.4EC	BN037110.D	28 May 2025 15:54		RC/JU	Ok
11	DFTPP	DFTPP	BN037111.D	28 May 2025 16:31		RC/JU	Ok
12	SSTDCCC0.4	SSTDCCC0.4	BN037112.D	28 May 2025 17:11		RC/JU	Ok
13	PB168100BL	PB168100BL	BN037113.D	28 May 2025 17:47		RC/JU	Ok
14	Q2082-02	BP-VPB-182-GW-260-2	BN037114.D	28 May 2025 18:23		RC/JU	Ok
15	Q2082-04	BP-VPB-182-GW-300-3	BN037115.D	28 May 2025 18:59		RC/JU	Ok,M
16	Q2082-06	BP-VPB-182-GW-340-3	BN037116.D	28 May 2025 19:35		RC/JU	Ok
17	Q2082-08	BP-VPB-182-GW-390-3	BN037117.D	28 May 2025 20:11		RC/JU	Ok
18	Q2082-12	VPB182-HYD-2025051	BN037118.D	28 May 2025 20:47		RC/JU	Ok

Instrument ID: BNA_N

Daily Analysis Runlog For Sequence/QC Batch ID # BN052825

Review By	Rahul	Review On	5/29/2025 1:10:50 PM
Supervise By	Jagrut	Supervise On	5/29/2025 1:23:51 PM
SubDirectory	BN052825	HP Acquire Method	BNA_N, 8270_HP Processing Method bn051425
STD. NAME	STD REF.#		
Tune/Reschk	SP6757		
Initial Calibration Stds	SP6781,SP6780,SP6779,SP6778,SP6777,SP6776,SP6775		
CCC	SP6779		
Internal Standard/PEM	SP6740,1ul/100ul sample		
ICV/I.BLK	SP6768		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

19	Q2118-02	BP-VPB-182-GW-420-4	BN037119.D	28 May 2025 21:23		RC/JU	Ok
20	Q2118-05	BP-VPB-182-GW-460-4	BN037120.D	28 May 2025 21:59		RC/JU	Ok
21	Q2118-07	BP-VPB-182-GW-500-5	BN037121.D	28 May 2025 22:35		RC/JU	Ok
22	Q2118-09	BP-VPB-182-GW-540-5	BN037122.D	28 May 2025 23:11	Internal Standard Fail	RC/JU	ReRun
23	Q2119-01	RW5-SP100-20250522	BN037123.D	28 May 2025 23:47		RC/JU	Ok
24	PB168100BS	PB168100BS	BN037124.D	29 May 2025 00:23		RC/JU	Ok,M
25	PB168100BSD	PB168100BSD	BN037125.D	29 May 2025 00:59		RC/JU	Ok,M
26	SSTDCCC0.4	SSTDCCC0.4EC	BN037126.D	29 May 2025 01:35		RC/JU	Ok

M : Manual Integration

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SOP ID:	M3510C,3580A-Extraction SVOC-20		
Clean Up SOP #:	N/A	Extraction Start Date :	05/21/2025
Matrix :	Water	Extraction Start Time :	08:41
Weigh By:	N/A	Extraction By:	RS
Balance check:	N/A	Extraction End Date :	05/21/2025
Balance ID:	N/A	Filter By:	RJ
pH Strip Lot#:	E3880	Extraction End Time :	13:40
		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	SP6756
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	E3930
Baked Na2SO4	N/A	EP2614
10N NaOH	N/A	EP2609
H2SO4 1:1	N/A	EP2610
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, Q2082-02 Limited volume received.

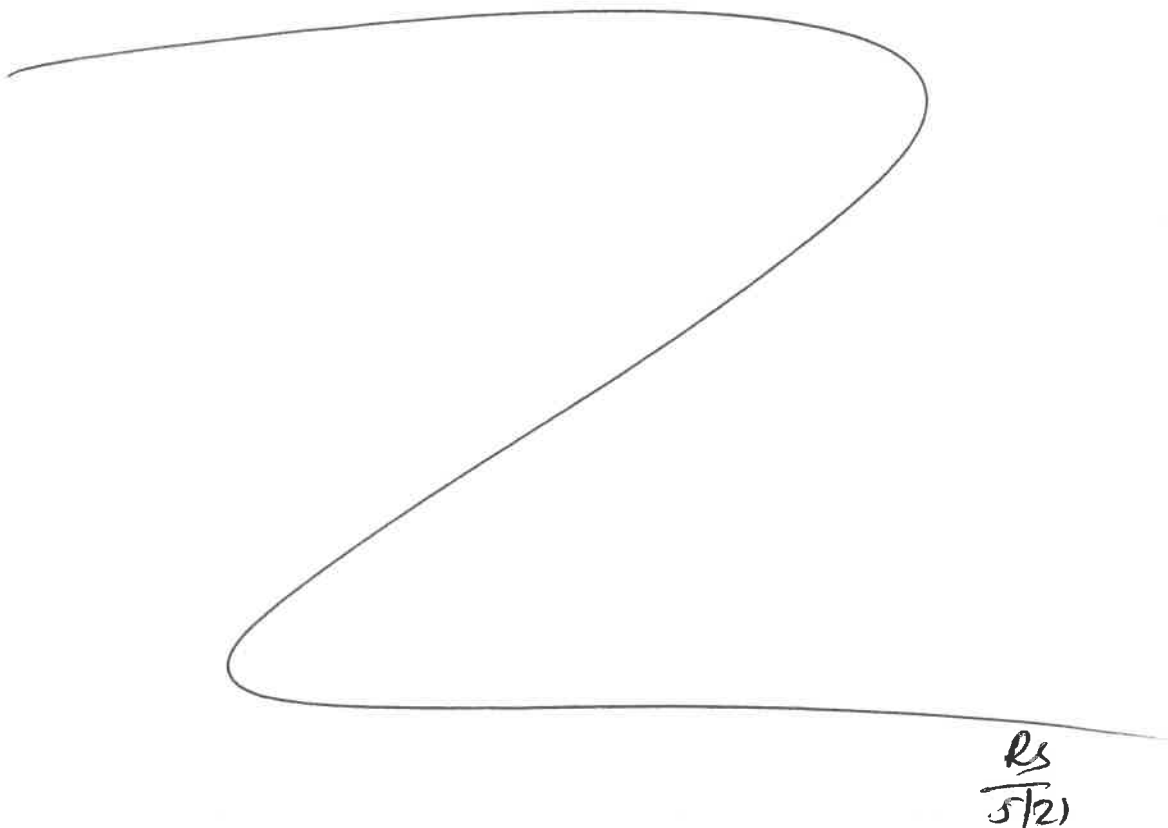
KD Bath ID:	WATER BATH-1,2	Envap ID:	NEVAP-02
KD Bath Temperature:	60 °C	Envap Temperature:	40 °C

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
5/21/25	RS (B-4-bb)	Rclsvac
12:45	Preparation Group	Analysis Group

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

Concentration Date: 05/21/2025

Sample ID	Client Sample ID	Test	g / mL	PH	Surr/Spike By:		Final Vol. (mL)	JarID	Comments	Prep Pos
					AddedBy	VerifiedBy				
PB168100BL	SBLK100	SVOC-SIMGrou p1	1000	6	RUPESH	ritesh	1			SEP-10
PB168100BS	SLCS100	SVOC-SIMGrou p1	1000	6	RUPESH	ritesh	1			11
PB168100BS D	SLCSD100	SVOC-SIMGrou p1	1000	6	RUPESH	ritesh	1			12
Q2073-01	GDW1	SVOC-SIMGrou p1	980	6	RUPESH	ritesh	1	D		13
Q2073-02	GDW2	SVOC-SIMGrou p1	960	6	RUPESH	ritesh	1	D		14
Q2082-02	BP-VPB-182-GW-260-262	SVOC-SIMGrou p1	520	6	RUPESH	ritesh	1	C		15
Q2082-04	BP-VPB-182-GW-300-302	SVOC-SIMGrou p1	990	6	RUPESH	ritesh	1	C		16
Q2082-06	BP-VPB-182-GW-340-342	SVOC-SIMGrou p1	850	6	RUPESH	ritesh	1	C		SEP-1
Q2082-08	BP-VPB-182-GW-390-392	SVOC-SIMGrou p1	890	6	RUPESH	ritesh	1	C		2
Q2082-12	VPB182-HYD-20250516	SVOC-SIMGrou p1	1000	6	RUPESH	ritesh	1	C		3



168100
8.41

WORKLIST(Hardcopy Internal Chain)

WorkList Name : Q2082

WorkList ID : 189665

Department : Extraction

Date : 05-21-2025 08:35:56

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q2073-01	GDW1	Water	SVOC-SIMGroup1	Cool 4 deg C	GENV01	L41	05/16/2025	8270-Modified
Q2073-02	GDW2	Water	SVOC-SIMGroup1	Cool 4 deg C	GENV01	L41	05/16/2025	8270-Modified
Q2082-02	BP-VPB-182-GW-260-262	Water	SVOC-SIMGroup1	Cool 4 deg C	TETR06	L31	05/15/2025	8270-Modified
Q2082-04	BP-VPB-182-GW-300-302	Water	SVOC-SIMGroup1	Cool 4 deg C	TETR06	L31	05/15/2025	8270-Modified
Q2082-06	BP-VPB-182-GW-340-342	Water	SVOC-SIMGroup1	Cool 4 deg C	TETR06	L31	05/16/2025	8270-Modified
Q2082-08	BP-VPB-182-GW-390-392	Water	SVOC-SIMGroup1	Cool 4 deg C	TETR06	L31	05/19/2025	8270-Modified
Q2082-12	VPB182-HYD-20250516	Water	SVOC-SIMGroup1	Cool 4 deg C	TETR06	L31	05/16/2025	8270-Modified

Date/Time

5/21/25 8:36

Raw Sample Received by:

RJ (Ext Lab)

Raw Sample Relinquished by:

CP SM

Date/Time

5/21/25 9:20

Raw Sample Received by:

CP SM

Raw Sample Relinquished by:

RJ (Ext Lab)

LAB CHRONICLE

OrderID:	Q2073	OrderDate:	5/16/2025 2:51:00 PM
Client:	G Environmental	Project:	Nelson
Contact:	Gary Landis	Location:	L41,VOA Ref. #3 Water

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q2073-01	GDW1	Water			05/16/25			05/16/25
			SVOCMS Group2	8270E		05/21/25	05/23/25	
			SVOC-SIMGroup1	8270-Modified		05/21/25	05/27/25	
Q2073-02	GDW2	Water			05/16/25			05/16/25
			SVOCMS Group2	8270E		05/21/25	05/23/25	
			SVOC-SIMGroup1	8270-Modified		05/21/25	05/27/25	