



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

SDG No.: Q1939
Client: G Environmental

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



SAMPLE DATA

Report of Analysis

Client:	G Environmental	Date Collected:	05/01/25
Project:	Amsterdam	Date Received:	05/01/25
Client Sample ID:	GB1B	SDG No.:	Q1939
Lab Sample ID:	Q1939-02	Matrix:	SOIL
Analytical Method:	SW8270ESIM	% Solid:	82.3
Sample Wt/Vol:	30.05 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-SIMGroup1
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	sw3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BN036977.D	1	05/08/25 10:03	05/08/25 17:29	PB167915

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

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

Report of Analysis

Client:	G Environmental	Date Collected:	05/01/25
Project:	Amsterdam	Date Received:	05/01/25
Client Sample ID:	GB2B	SDG No.:	Q1939
Lab Sample ID:	Q1939-04	Matrix:	SOIL
Analytical Method:	SW8270ESIM	% Solid:	85.4
Sample Wt/Vol:	30.08 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-SIMGroup1
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	sw3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BN036974.D	1	05/08/25 10:03	05/08/25 15:40	PB167915

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

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

Report of Analysis

Client:	G Environmental	Date Collected:	05/01/25
Project:	Amsterdam	Date Received:	05/01/25
Client Sample ID:	GB3B	SDG No.:	Q1939
Lab Sample ID:	Q1939-06	Matrix:	SOIL
Analytical Method:	SW8270ESIM	% Solid:	88.5
Sample Wt/Vol:	30.07 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-SIMGroup1
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	sw3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BN036978.D	1	05/08/25 10:03	05/08/25 18:05	PB167915

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

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LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

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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.: Q1939

Client: G Environmental

Analytical Method: 8270-Modified

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

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q1939

Client: G Environmental

Analytical Method: SW8270-Modified

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Low	Limits High	RPD
Lab Sample ID:	Q1939-04MS	Client Sample ID:	GB2BMS					DataFile:	BN036975.D		
1,4-Dioxane	15.6	0	13.2	ug/Kg	85				20 (70)	160 (130)	

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q1939

Client: G Environmental

Analytical Method: SW8270-Modified

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Low	Limits High	RPD
Lab Sample ID:	Q1939-04MSD	Client Sample ID:	GB2BMSD					DataFile:	BN036976.D		
1,4-Dioxane	15.6	0	13.4	ug/Kg	86		1		20 (70)	160 (130)	30 (20)

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q1939

Client: G Environmental

Analytical Method: 8270-Modified DataFile: BN036979.D

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

4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB167915BL

Lab Name: CHEMTECH

Contract: GENV01

Lab Code: CHEM Case No.: Q1939

SAS No.: Q1939 SDG NO.: Q1939

Lab File ID: BN036973.D

Lab Sample ID: PB167915BL

Instrument ID: BNA_N

Date Extracted: 05/08/2025

Matrix: (soil/water) SOIL

Date Analyzed: 05/08/2025

Level: (low/med) LOW

Time Analyzed: 15:04

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

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

COMMENTS: _____

5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH

Contract: GENV01

Lab Code: CHEM

SAS No.: Q1939

SDG NO.: Q1939

Lab File ID: BN036922.D

DFTPP Injection Date: 04/28/2025

Instrument ID: BNA_N

DFTPP Injection Time: 10:56

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

1-Value is % mass 69

2-Value is % mass 442

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

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

5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH

Contract: GENV01

Lab Code: CHEM

SAS No.: Q1939

SDG NO.: Q1939

Lab File ID: BN036971.D

DFTPP Injection Date: 05/08/2025

Instrument ID: BNA_N

DFTPP Injection Time: 13:49

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

1-Value is % mass 69

2-Value is % mass 442

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

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

8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

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

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

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

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

	IS1 (DCB) AREA #	RT #	IS2 (NPT) AREA #	RT #	IS3 (ANT) AREA #	RT #
12 HOUR STD	1755	7.626	4397	10.40	2406	14.28
UPPER LIMIT	3510	8.126	8794	10.904	4812	14.777
LOWER LIMIT	877.5	7.126	2198.5	9.904	1203	13.777
EPA SAMPLE NO.						
01 PB167915BL	1580	7.63	3771	10.42	2026	14.28
02 GB2B	1602	7.63	4100	10.40	2293	14.28
03 PB167915BS	2493	7.63	6667	10.40	3772	14.28
04 GB2BMS	1704	7.63	4360	10.40	2385	14.28
05 GB1B	1746	7.63	4604	10.40	2550	14.28
06 GB2BMSD	1746	7.63	4442	10.40	2456	14.28
07 GB3B	3567 *	7.63	9662 *	10.40	26498 *	14.27

IS1 (DCB) = 1,4-Dichlorobenzene-d4

IS2 (NPT) = Naphthalene-d8

IS3 (ANT) = Acenaphthene-d10

AREA UPPER LIMIT = +100% of internal standard area

AREA LOWER LIMIT = -50% of internal standard area

RT UPPER LIMIT = +0.50 minutes of internal standard RT

RT UPPER LIMIT = -0.50 minutes of internal standard RT

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

* Values outside of QC limits.

8C

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

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

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

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

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

	IS4 (PHN) AREA #	RT #	IS5 (CRY) AREA #	RT #	IS6 (PRY) AREA #	RT #
12 HOUR STD	4760	17.021	4148	21.215	3956	23.424
UPPER LIMIT	9520	17.521	8296	21.715	7912	23.924
LOWER LIMIT	2380	16.521	2074	20.715	1978	22.924
EPA SAMPLE NO.						
01 PB167915BL	4065	17.02	3603	21.22	3531	23.42
02 GB2B	4908	17.02	4614	21.22	4836	23.42
03 PB167915BS	7644	17.02	6261	21.22	5504	23.42
04 GB2BMS	5063	17.02	4471	21.22	4298	23.42
05 GB1B	5231	17.02	4605	21.22	4646	23.42
06 GB2BMSD	5135	17.02	4532	21.22	4358	23.42
07 GB3B	7588	17.03	6896	21.22	7149	23.42

IS4 (PHN) = Phenanthrene-d10

IS5 (CRY) = Chrysene-d12

IS6 (PRY) = Perylene-d12

AREA UPPER LIMIT = +100% of internal standard area

AREA LOWER LIMIT = -50% of internal standard area

RT UPPER LIMIT = +0.50 minutes of internal standard RT

RT UPPER LIMIT = -0.50 minutes of internal standard RT

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

* Values outside of QC limits.



QC SAMPLE DATA

Report of Analysis

Client:	G Environmental	Date Collected:	
Project:	Amsterdam	Date Received:	
Client Sample ID:	PB167915BL	SDG No.:	Q1939
Lab Sample ID:	PB167915BL	Matrix:	SOIL
Analytical Method:	SW8270ESIM	% Solid:	100
Sample Wt/Vol:	30.02 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-SIMGroup1
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	sw3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BN036973.D	1	05/08/25 10:03	05/08/25 15:04	PB167915

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
123-91-1	1,4-Dioxane	1.60	U	1.60	6.60	ug/Kg
SURROGATES						
7297-45-2	2-Methylnaphthalene-d10	0.32		30 (17) - 150 (161)	79%	SPK: 0.4
93951-69-0	Fluoranthene-d10	0.37		30 (23) - 150 (138)	91%	SPK: 0.4
4165-60-0	Nitrobenzene-d5	0.32		30 (33) - 130 (121)	79%	SPK: 0.4
321-60-8	2-Fluorobiphenyl	0.31		30 (32) - 130 (121)	78%	SPK: 0.4
1718-51-0	Terphenyl-d14	0.32		30 (21) - 130 (130)	80%	SPK: 0.4
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	1580	7.625			
1146-65-2	Naphthalene-d8	3770	10.415			
15067-26-2	Acenaphthene-d10	2030	14.277			
1517-22-2	Phenanthrene-d10	4070	17.021			
1719-03-5	Chrysene-d12	3600	21.215			
1520-96-3	Perylene-d12	3530	23.421			

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

Report of Analysis

Client:	G Environmental	Date Collected:	
Project:	Amsterdam	Date Received:	
Client Sample ID:	PB167915BS	SDG No.:	Q1939
Lab Sample ID:	PB167915BS	Matrix:	SOIL
Analytical Method:	SW8270ESIM	% Solid:	100
Sample Wt/Vol:	30.01 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-SIMGroup1
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	sw3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BN036979.D	1	05/08/25 10:03	05/08/25 18:41	PB167915

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
123-91-1	1,4-Dioxane	10.0		1.60	6.60	ug/Kg
SURROGATES						
7297-45-2	2-Methylnaphthalene-d10	0.51		30 (17) - 150 (161)	127%	SPK: 0.4
93951-69-0	Fluoranthene-d10	0.36		30 (23) - 150 (138)	90%	SPK: 0.4
4165-60-0	Nitrobenzene-d5	0.35		30 (33) - 130 (121)	88%	SPK: 0.4
321-60-8	2-Fluorobiphenyl	0.35		30 (32) - 130 (121)	88%	SPK: 0.4
1718-51-0	Terphenyl-d14	0.36		30 (21) - 130 (130)	90%	SPK: 0.4
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	2490	7.626			
1146-65-2	Naphthalene-d8	6670	10.404			
15067-26-2	Acenaphthene-d10	3770	14.277			
1517-22-2	Phenanthrene-d10	7640	17.021			
1719-03-5	Chrysene-d12	6260	21.216			
1520-96-3	Perylene-d12	5500	23.421			

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

Report of Analysis

Client:	G Environmental	Date Collected:	05/01/25
Project:	Amsterdam	Date Received:	05/01/25
Client Sample ID:	GB2BMS	SDG No.:	Q1939
Lab Sample ID:	Q1939-04MS	Matrix:	SOIL
Analytical Method:	SW8270ESIM	% Solid:	85.4
Sample Wt/Vol:	30.02 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-SIMGroup1
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	sw3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BN036975.D	1	05/08/25 10:03	05/08/25 16:16	PB167915

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
123-91-1	1,4-Dioxane	13.2		1.80	7.70	ug/Kg
SURROGATES						
7297-45-2	2-Methylnaphthalene-d10	0.22		30 (17) - 150 (161)	55%	SPK: 0.4
93951-69-0	Fluoranthene-d10	0.23		30 (23) - 150 (138)	57%	SPK: 0.4
4165-60-0	Nitrobenzene-d5	0.22		30 (33) - 130 (121)	55%	SPK: 0.4
321-60-8	2-Fluorobiphenyl	0.19		30 (32) - 130 (121)	49%	SPK: 0.4
1718-51-0	Terphenyl-d14	0.20		30 (21) - 130 (130)	50%	SPK: 0.4
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	1700	7.625			
1146-65-2	Naphthalene-d8	4360	10.404			
15067-26-2	Acenaphthene-d10	2390	14.277			
1517-22-2	Phenanthrene-d10	5060	17.021			
1719-03-5	Chrysene-d12	4470	21.215			
1520-96-3	Perylene-d12	4300	23.424			

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

Report of Analysis

Client:	G Environmental	Date Collected:	05/01/25
Project:	Amsterdam	Date Received:	05/01/25
Client Sample ID:	GB2BMSD	SDG No.:	Q1939
Lab Sample ID:	Q1939-04MSD	Matrix:	SOIL
Analytical Method:	SW8270ESIM	% Solid:	85.4
Sample Wt/Vol:	30.04 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-SIMGroup1
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	sw3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BN036976.D	1	05/08/25 10:03	05/08/25 16:53	PB167915

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
123-91-1	1,4-Dioxane	13.4		1.80	7.70	ug/Kg
SURROGATES						
7297-45-2	2-Methylnaphthalene-d10	0.23		30 (17) - 150 (161)	56%	SPK: 0.4
93951-69-0	Fluoranthene-d10	0.23		30 (23) - 150 (138)	58%	SPK: 0.4
4165-60-0	Nitrobenzene-d5	0.22		30 (33) - 130 (121)	55%	SPK: 0.4
321-60-8	2-Fluorobiphenyl	0.19		30 (32) - 130 (121)	49%	SPK: 0.4
1718-51-0	Terphenyl-d14	0.20		30 (21) - 130 (130)	50%	SPK: 0.4
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	1750	7.625			
1146-65-2	Naphthalene-d8	4440	10.404			
15067-26-2	Acenaphthene-d10	2460	14.277			
1517-22-2	Phenanthrene-d10	5140	17.021			
1719-03-5	Chrysene-d12	4530	21.215			
1520-96-3	Perylene-d12	4360	23.421			

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products



CALIBRATION SUMMARY

Method Path : Z:\svoasrv\HPCHEM1\BNA_N\Methods\
 Method File : 8270-SIM-BN042825.M
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 Last Update : Mon Apr 28 15:35:03 2025
 Response Via : Initial Calibration

Calibration Files

0.1 =BN036923.D 0.2 =BN036924.D 0.4 =BN036925.D 0.8 =BN036926.D 1.6 =BN036927.D 3.2 =BN036928.D 5.0 =BN036929.D

	Compound	0.1	0.2	0.4	0.8	1.6	3.2	5.0	Avg	%RSD

1) I	1,4-Dichlorobenzen...	-----ISTD-----								
2)	1,4-Dioxane	0.452	0.489	0.551	0.506	0.537	0.489	0.465	0.498	7.23
3)	n-Nitrosodimet...	0.903	0.998	1.010	0.957	1.034	0.952	0.918	0.967	5.01
4) S	2-Fluorophenol	1.050	1.056	1.118	0.946	1.040	0.982	0.970	1.023	5.86
5) S	Phenol-d6	1.270	1.237	1.337	1.151	1.294	1.255	1.272	1.259	4.57
6)	bis(2-Chloroet...	1.174	1.123	1.170	1.139	1.240	1.162	1.162	1.167	3.17
7) I	Naphthalene-d8	-----ISTD-----								
8) S	Nitrobenzene-d5	0.400	0.401	0.411	0.404	0.446	0.432	0.436	0.418	4.52
9)	Naphthalene	1.155	1.147	1.155	1.132	1.225	1.170	1.165	1.164	2.56
10)	Hexachlorobuta...	0.260	0.250	0.253	0.249	0.262	0.248	0.240	0.252	2.99
11) SURR2	Methylnaphth...	0.540	0.532	0.541	0.543	0.596	0.575	0.589	0.559	4.75
12)	2-Methylnaphth...	0.716	0.713	0.719	0.735	0.804	0.782	0.798	0.753	5.41
13) I	Acenaphthene-d10	-----ISTD-----								
14) S	2,4,6-Tribromo...	0.156	0.173	0.177	0.175	0.187	0.184	0.196	0.178	7.18
15) S	2-Fluorobiphenyl	1.877	1.975	2.055	1.690	2.023	1.986	1.928	1.933	6.32
16)	Acenaphthylene	1.876	1.850	1.907	1.884	2.067	2.035	2.066	1.955	4.93
17)	Acenaphthene	1.264	1.270	1.275	1.248	1.333	1.295	1.305	1.284	2.22
18)	Fluorene	1.604	1.612	1.624	1.658	1.788	1.720	1.752	1.680	4.39
19) I	Phenanthrene-d10	-----ISTD-----								
20)	4,6-Dinitro-2-...	0.083	0.090	0.096	0.113	0.120	0.134	0.106		18.55
21)	4-Bromophenyl-...	0.260	0.263	0.262	0.260	0.282	0.272	0.270	0.267	3.11
22)	Hexachlorobenzene	0.301	0.289	0.300	0.280	0.303	0.293	0.282	0.293	3.18
23)	Atrazine	0.193	0.198	0.199	0.217	0.227	0.226	0.248	0.215	9.20
24)	Pentachlorophenol	0.160	0.136	0.144	0.145	0.163	0.168	0.181	0.157	10.06
25)	Phenanthrene	1.309	1.274	1.299	1.280	1.387	1.346	1.347	1.320	3.13
26)	Anthracene	1.131	1.108	1.147	1.138	1.275	1.261	1.299	1.194	6.74
27) SURR	Fluoranthene-d10	0.993	1.004	0.991	1.016	1.087	1.053	1.115	1.037	4.74
28)	Fluoranthene	1.387	1.380	1.399	1.471	1.578	1.530	1.613	1.480	6.46
29) I	Chrysene-d12	-----ISTD-----								
30)	Pyrene	1.919	1.942	1.958	1.802	2.073	1.969	1.823	1.927	4.77
31) S	Terphenyl-d14	0.974	0.942	0.946	0.893	1.005	0.952	0.897	0.944	4.22
32)	Benzo(a)anthra...	1.402	1.407	1.429	1.422	1.583	1.509	1.561	1.473	5.19
33)	Chrysene	1.517	1.576	1.637	1.582	1.700	1.572	1.536	1.589	3.91
34)	Bis(2-ethylhex...	0.949	0.847	0.834	0.784	0.804	0.782	0.866	0.838	6.96
35) I	Perylene-d12	-----ISTD-----								

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

Method File : 8270-SIM-BN042825.M

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

(#) = Out of Range

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: GENV01

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

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

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

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

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

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

All other compounds must meet a minimum RRF of 0.010.



SAMPLE RAW DATA

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

Instrument :
 BNA_N
 ClientSampleId :
 GB1B

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

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

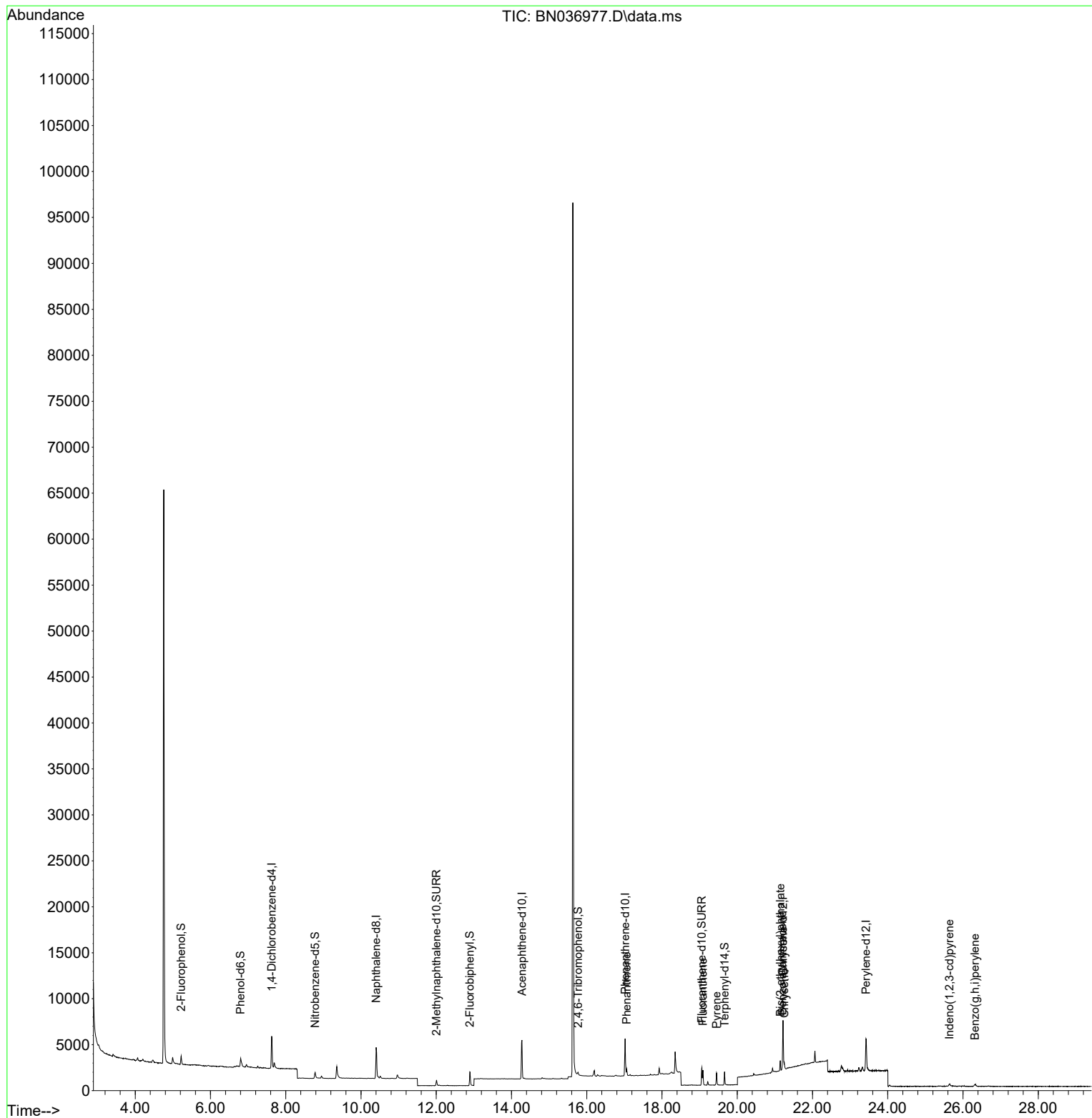
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.625	152	1746	0.400	ng	0.00
7) Naphthalene-d8	10.404	136	4604	0.400	ng	#-0.01
13) Acenaphthene-d10	14.277	164	2550	0.400	ng	0.00
19) Phenanthrene-d10	17.021	188	5231	0.400	ng	0.00
29) Chrysene-d12	21.215	240	4605	0.400	ng	0.00
35) Perylene-d12	23.424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

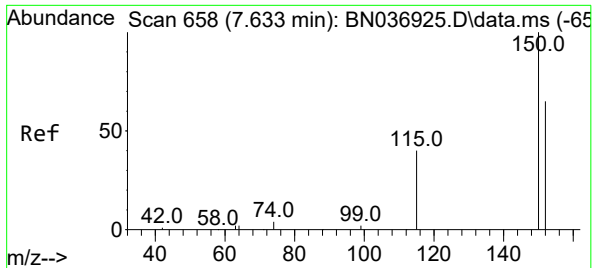
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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

Instrument :
BNA_N
ClientSampleId :
GB1B

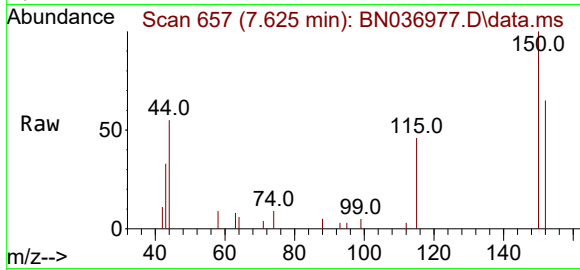
Quant Time: May 08 18:28:13 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN042825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Apr 28 15:35:03 2025
Response via : Initial Calibration



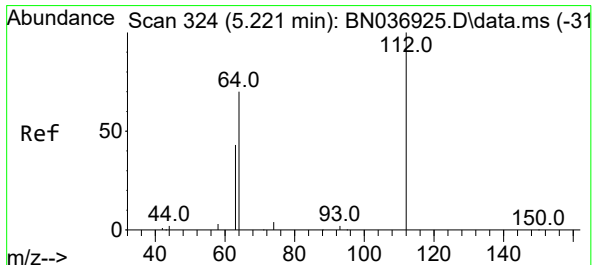
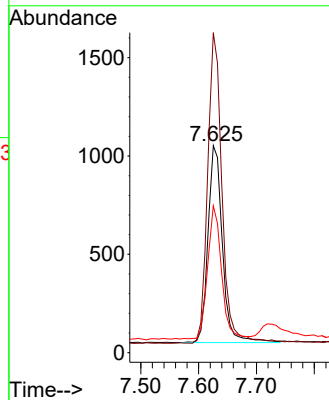
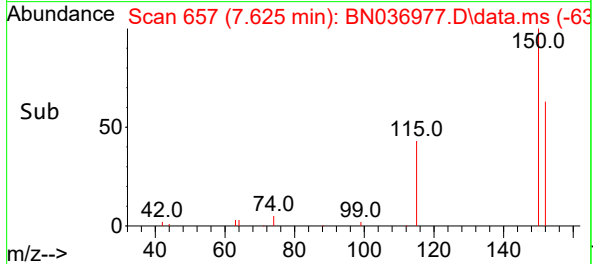


#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.625 min Scan# 658
Delta R.T. -0.008 min
Lab File: BN036977.D
Acq: 08 May 2025 17:29

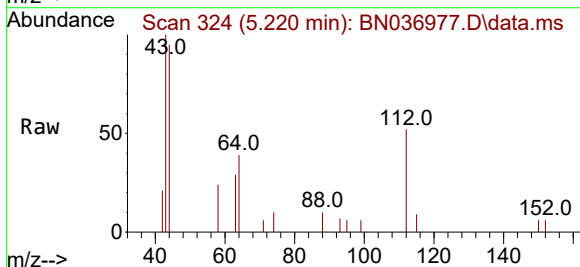
Instrument :
BNA_N
ClientSampleId :
GB1B



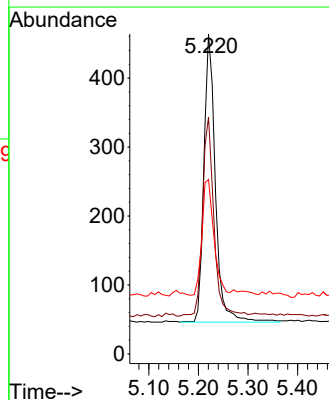
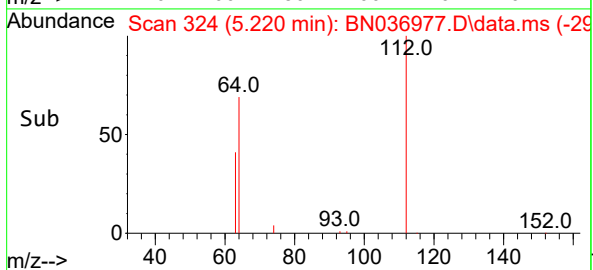
Tgt Ion:152 Resp: 1746
Ion Ratio Lower Upper
152 100
150 154.5 121.1 181.7
115 70.9 51.8 77.6

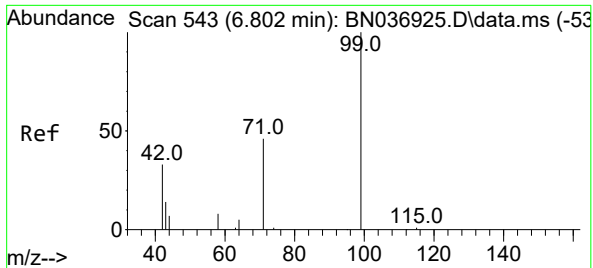


#4
2-Fluorophenol
Concen: 0.151 ng
RT: 5.220 min Scan# 324
Delta R.T. -0.000 min
Lab File: BN036977.D
Acq: 08 May 2025 17:29



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

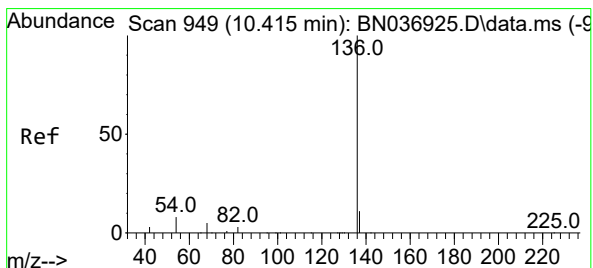
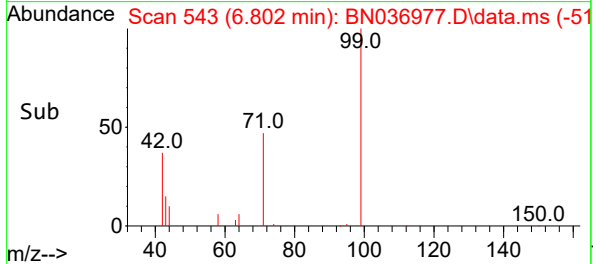
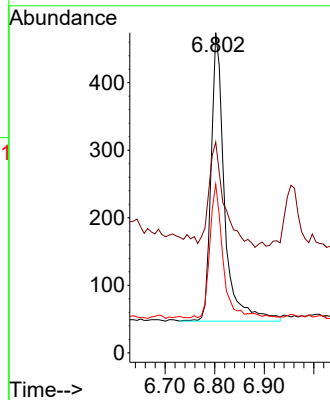
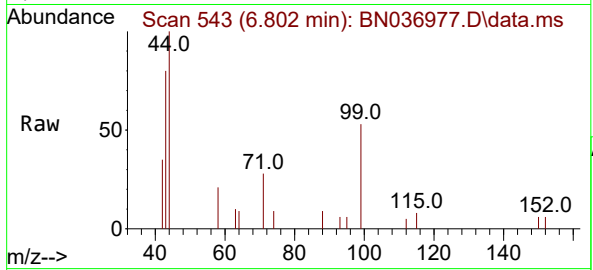




#5
Phenol-d6
Concen: 0.147 ng
RT: 6.802 min Scan# 543
Delta R.T. -0.000 min
Lab File: BN036977.D
Acq: 08 May 2025 17:29

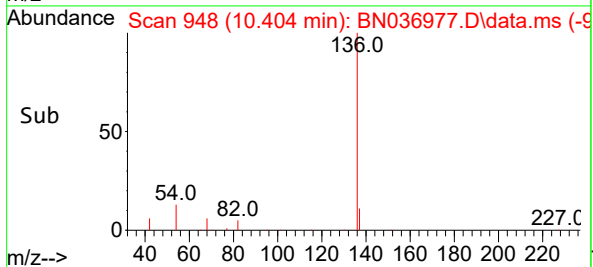
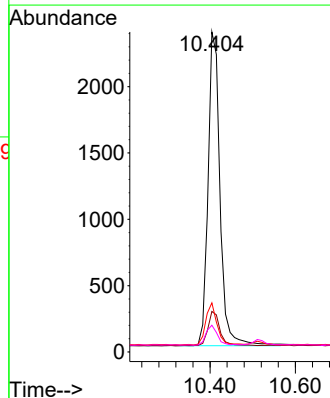
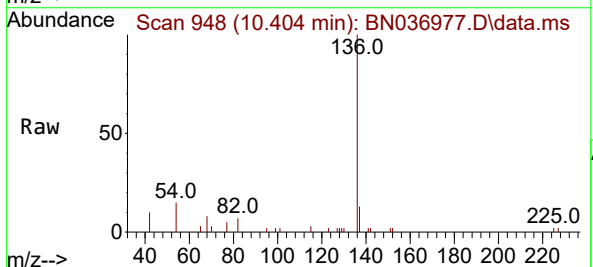
Instrument :
BNA_N
ClientSampleId :
GB1B

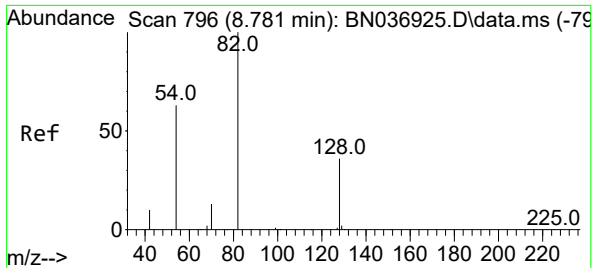
Tgt Ion	Ratio	Lower	Upper
99	100		
42	42.1	29.6	44.4
71	45.9	36.0	54.0



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

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

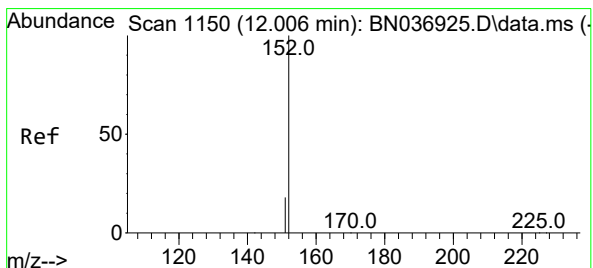
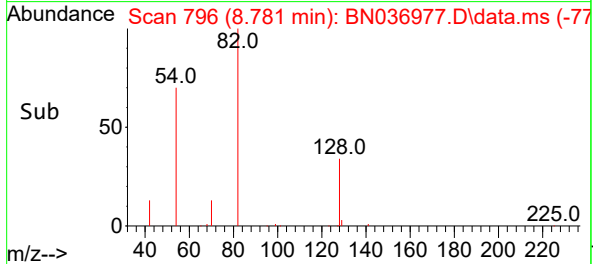
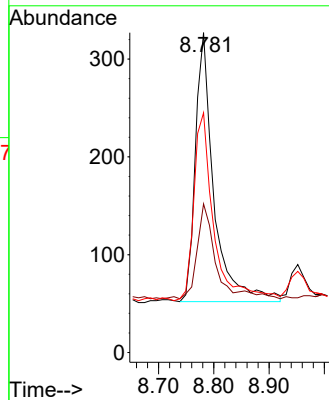
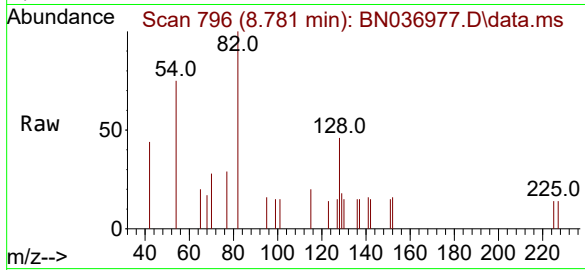




#8
Nitrobenzene-d5
Concen: 0.133 ng
RT: 8.781 min Scan# 796
Delta R.T. -0.000 min
Lab File: BN036977.D
Acq: 08 May 2025 17:29

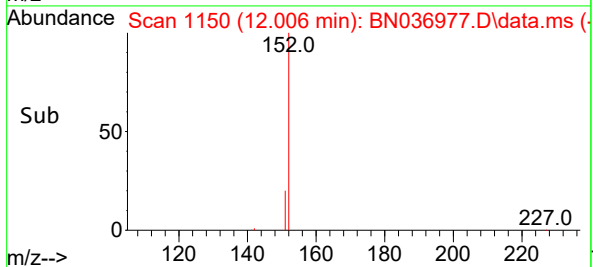
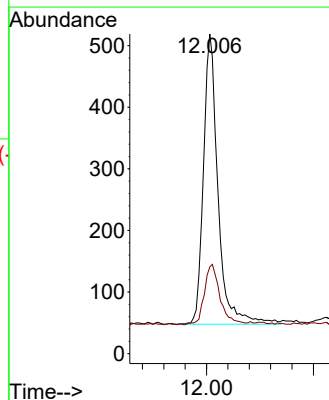
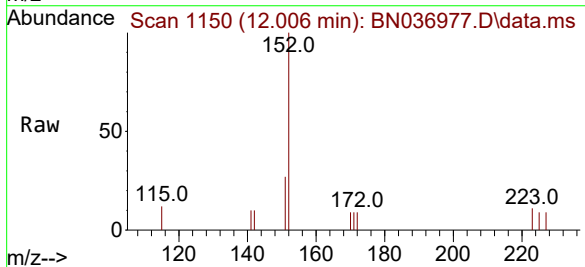
Instrument :
BNA_N
ClientSampleId :
GB1B

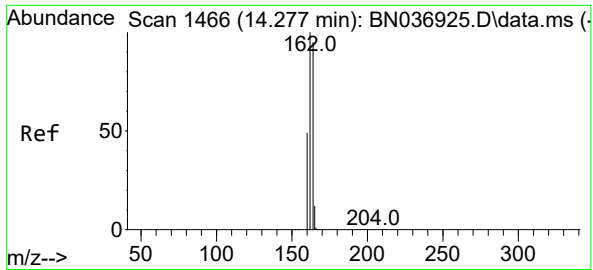
Tgt Ion: 82 Resp: 639
Ion Ratio Lower Upper
82 100
128 46.5 30.7 46.1#
54 74.9 52.1 78.1



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

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

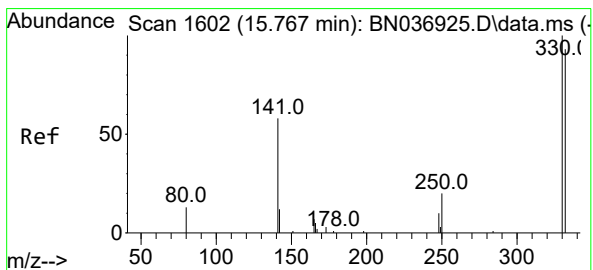
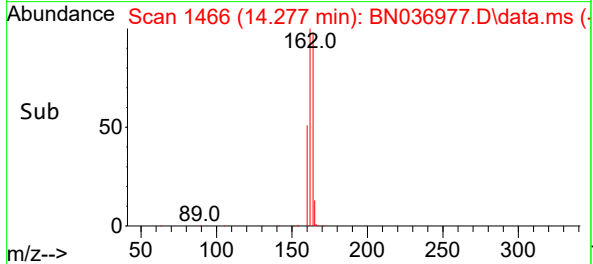
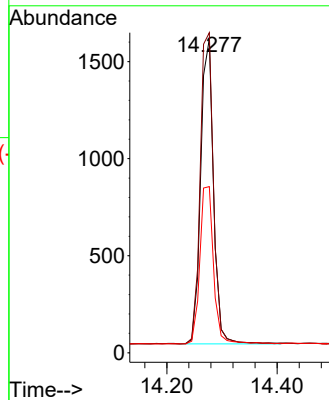
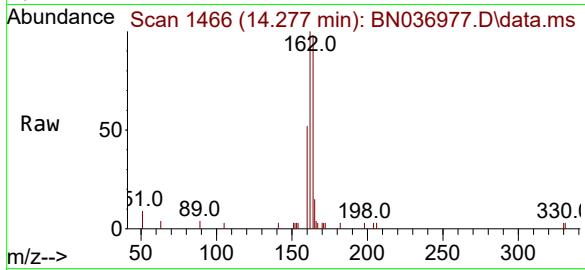




#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.277 min Scan# 1466
Delta R.T. -0.000 min
Lab File: BN036977.D
Acq: 08 May 2025 17:29

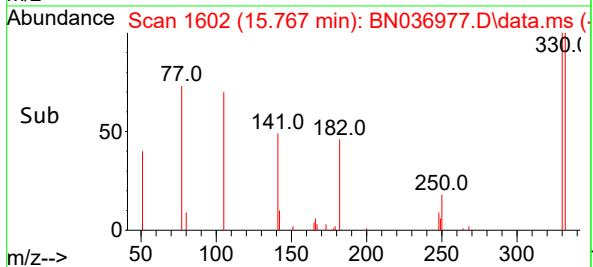
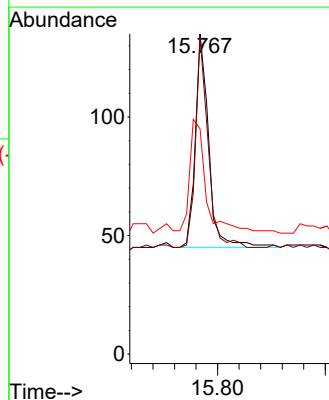
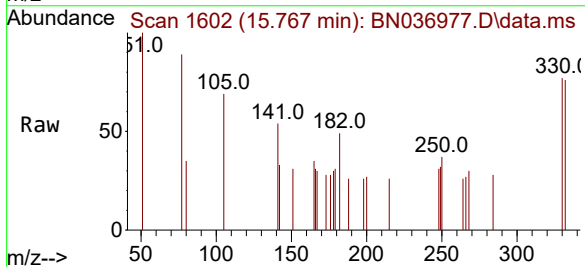
Instrument :
BNA_N
ClientSampleId :
GB1B

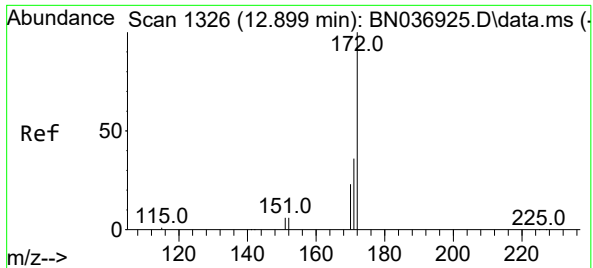
Tgt Ion:164 Resp: 2550
Ion Ratio Lower Upper
164 100
162 102.0 83.8 125.8
160 52.9 42.0 63.0



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

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

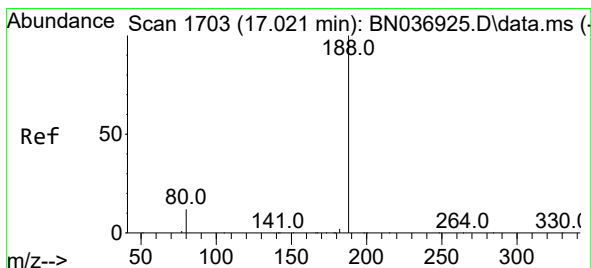
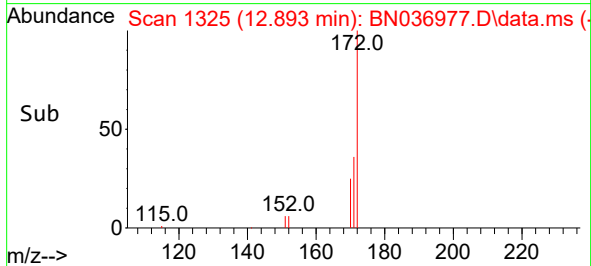
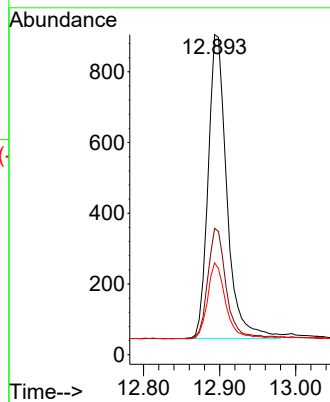
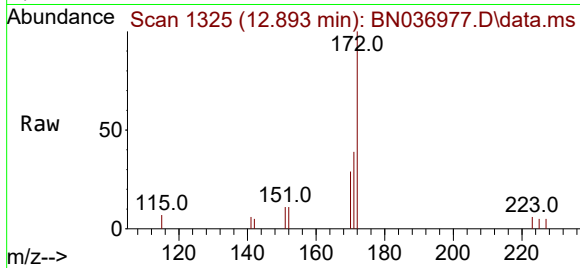




#15
2-Fluorobiphenyl
Concen: 0.120 ng
RT: 12.893 min Scan# 11
Delta R.T. -0.005 min
Lab File: BN036977.D
Acq: 08 May 2025 17:29

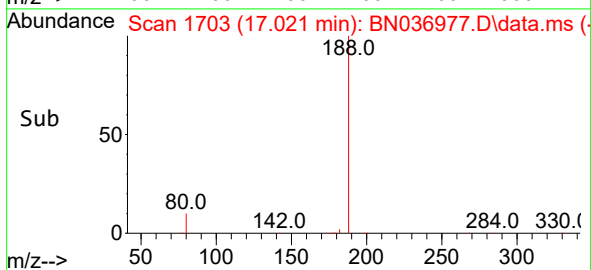
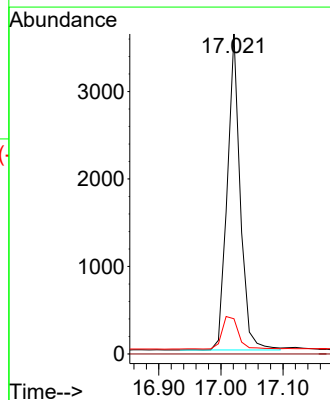
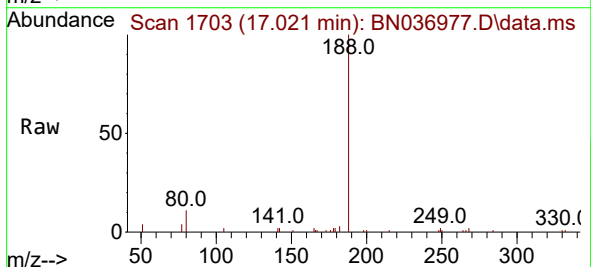
Instrument :
BNA_N
ClientSampleId :
GB1B

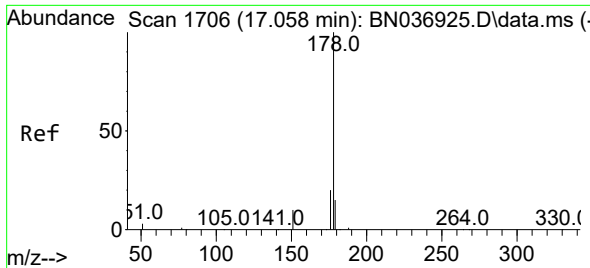
Tgt Ion:	172	Resp:	1475
Ion	Ratio	Lower	Upper
172	100		
171	39.4	29.4	44.0
170	28.7	19.4	29.0



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

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

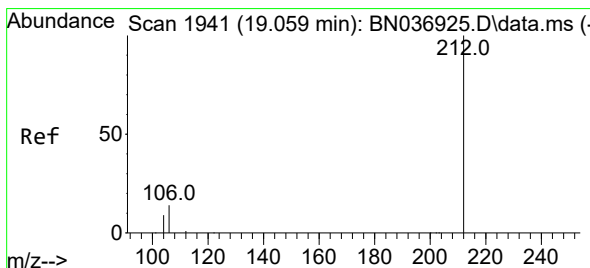
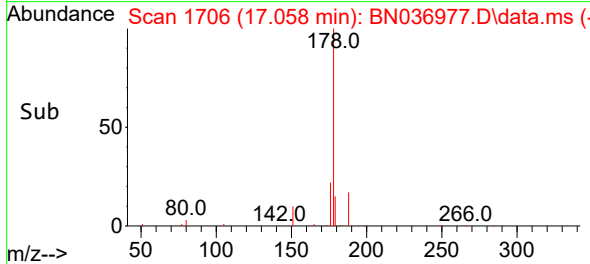
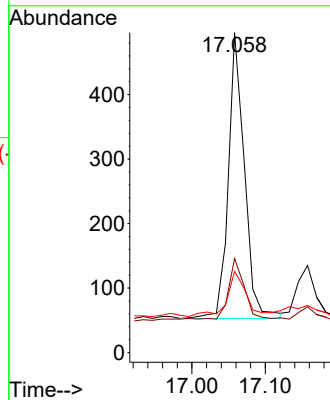
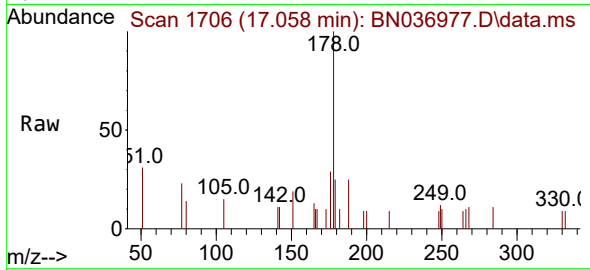




#25
Phenanthrene
Concen: 0.039 ng
RT: 17.058 min Scan# 1706
Delta R.T. -0.000 min
Lab File: BN036977.D
Acq: 08 May 2025 17:29

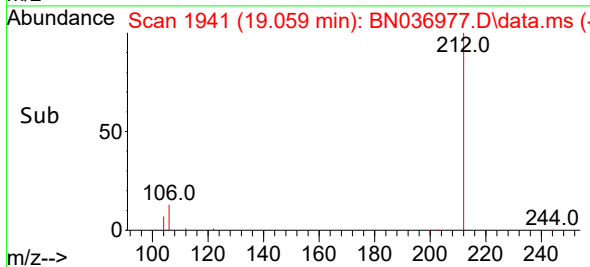
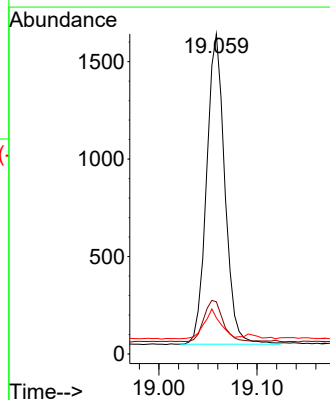
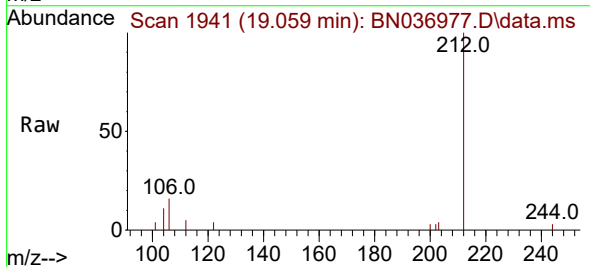
Instrument :
BNA_N
ClientSampleId :
GB1B

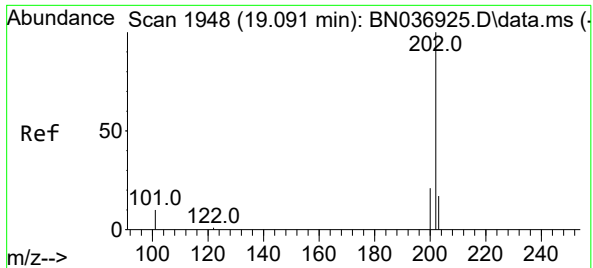
Tgt Ion:	178	Resp:	675
Ion	Ratio	Lower	Upper
178	100		
176	20.9	15.7	23.5
179	18.2	12.4	18.6



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

Tgt Ion:	212	Resp:	2053
Ion	Ratio	Lower	Upper
212	100		
106	14.0	11.6	17.4
104	8.7	7.0	10.4

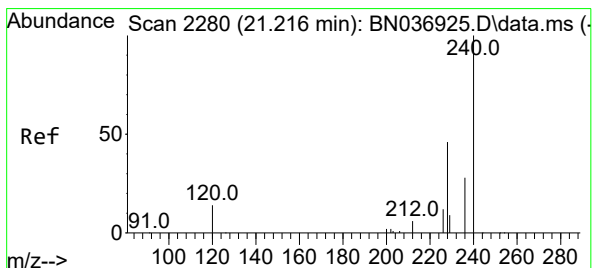
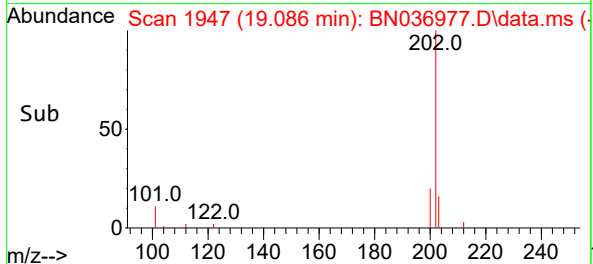
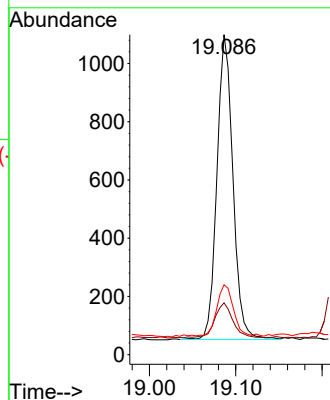
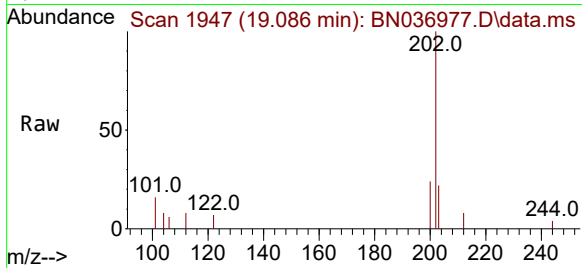




#28
Fluoranthene
Concen: 0.070 ng
RT: 19.086 min Scan# 1948
Delta R.T. -0.005 min
Lab File: BN036977.D
Acq: 08 May 2025 17:29

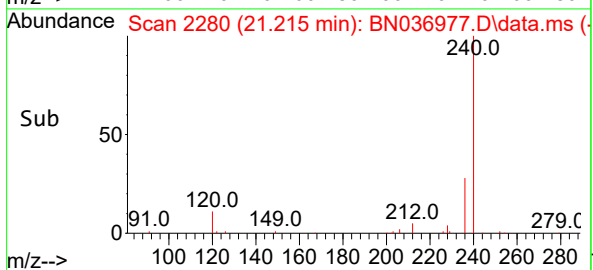
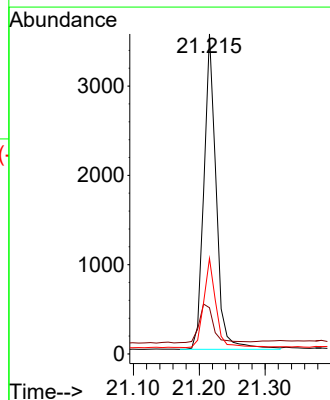
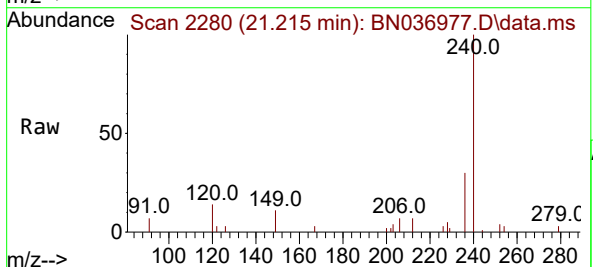
Instrument :
BNA_N
ClientSampleId :
GB1B

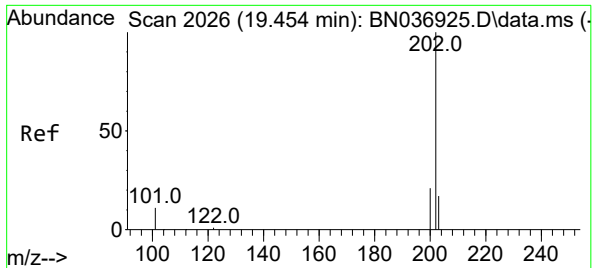
Tgt Ion:202 Resp: 1351
Ion Ratio Lower Upper
202 100
101 12.9 8.5 12.7#
203 17.9 13.7 20.5



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

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

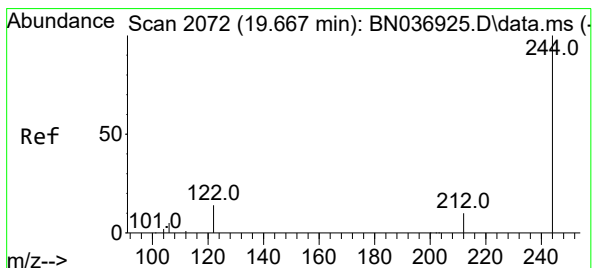
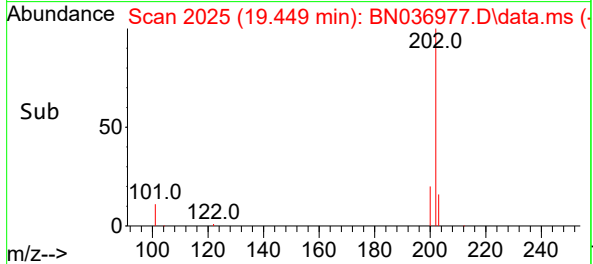
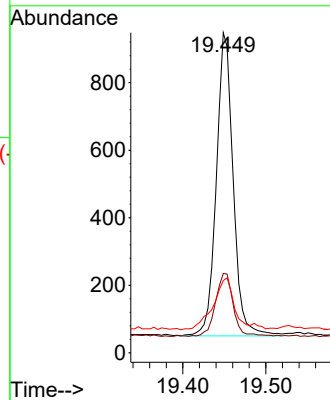
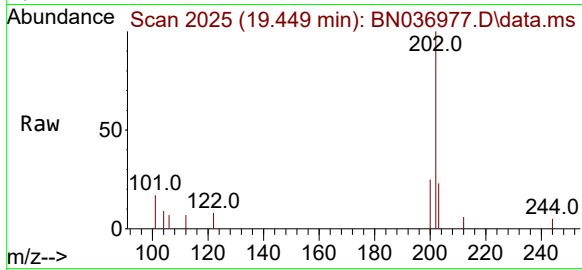




#30
Pyrene
Concen: 0.057 ng
RT: 19.449 min Scan# 2025
Delta R.T. -0.005 min
Lab File: BN036977.D
Acq: 08 May 2025 17:29

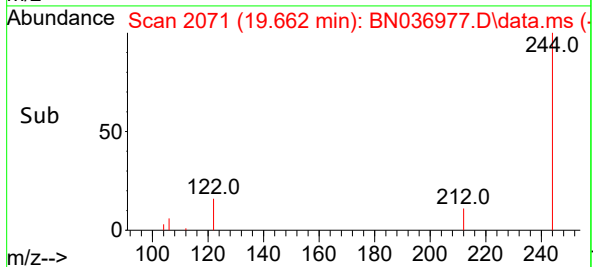
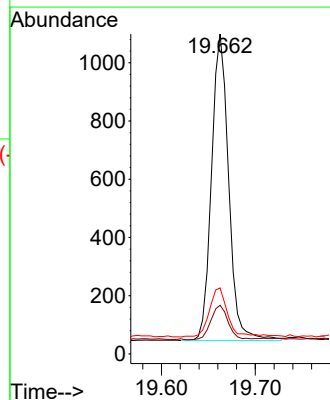
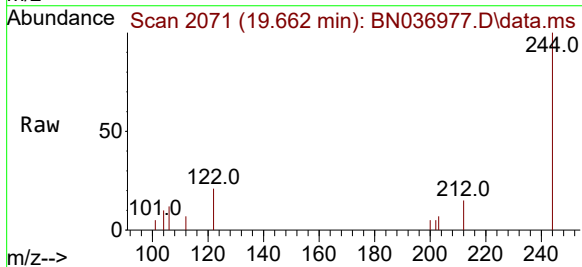
Instrument :
BNA_N
ClientSampleId :
GB1B

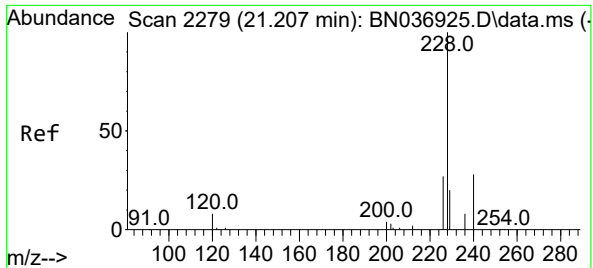
Tgt Ion:	202	Resp:	1267
Ion	Ratio	Lower	Upper
202	100		
200	21.7	17.0	25.6
203	21.2	14.0	21.0#



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

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

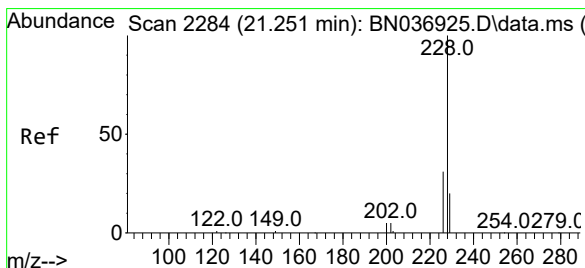
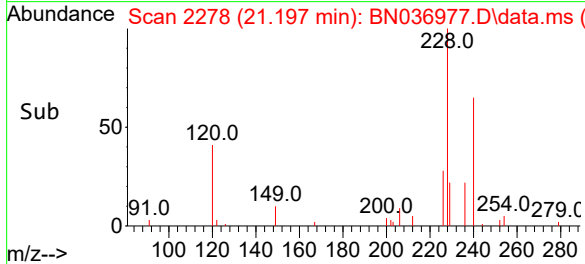
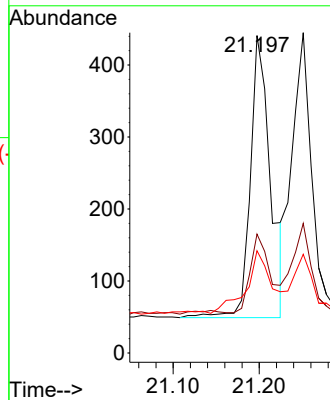
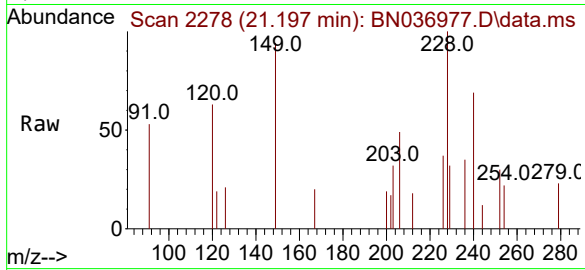




#32
Benzo(a)anthracene
Concen: 0.038 ng
RT: 21.197 min Scan# 2119
Delta R.T. -0.009 min
Lab File: BN036977.D
Acq: 08 May 2025 17:29

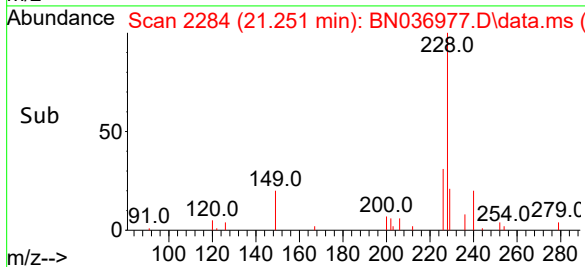
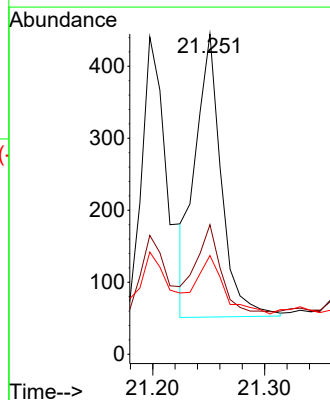
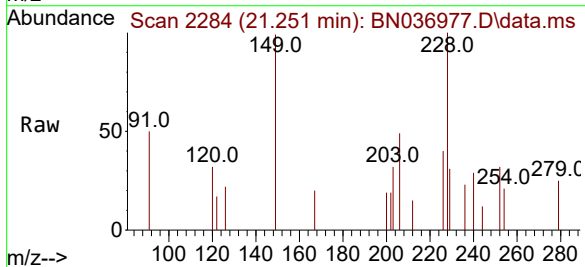
Instrument :
BNA_N
ClientSampleId :
GB1B

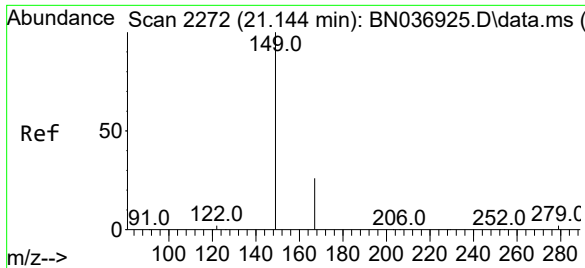
Tgt Ion:228 Resp: 639
Ion Ratio Lower Upper
228 100
226 37.4 22.2 33.4#
229 32.2 16.4 24.6#



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

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

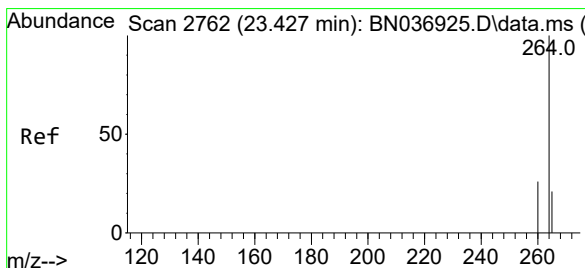
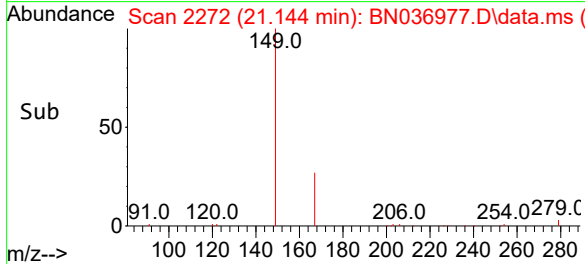
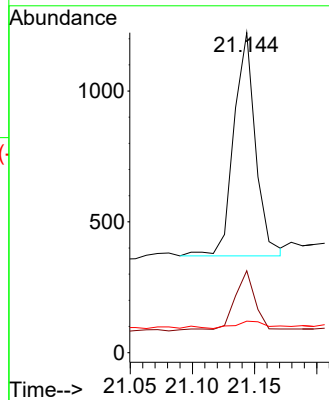
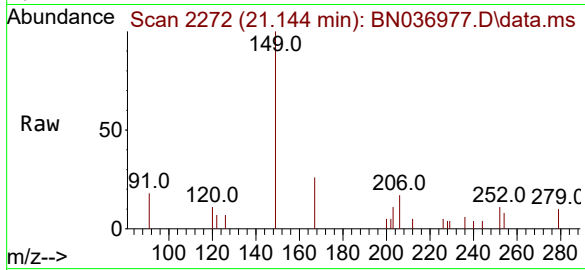




#34
Bis(2-ethylhexyl)phthalate
Concen: 0.107 ng
RT: 21.144 min Scan# 2114
Delta R.T. -0.000 min
Lab File: BN036977.D
Acq: 08 May 2025 17:29

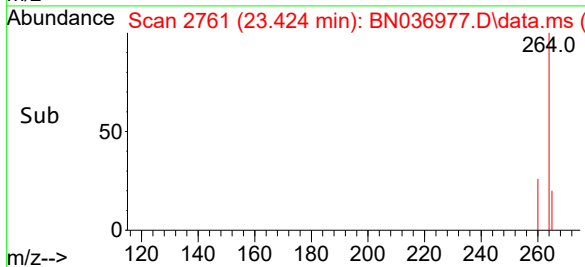
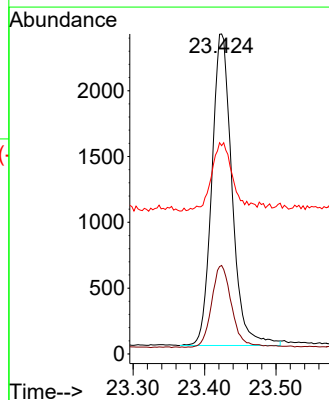
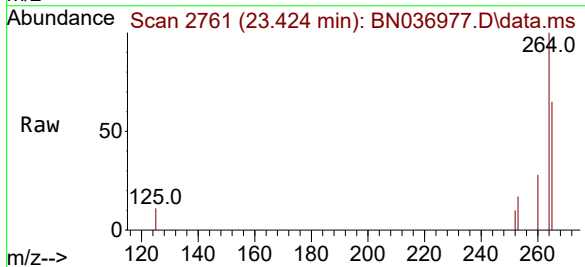
Instrument :
BNA_N
ClientSampleId :
GB1B

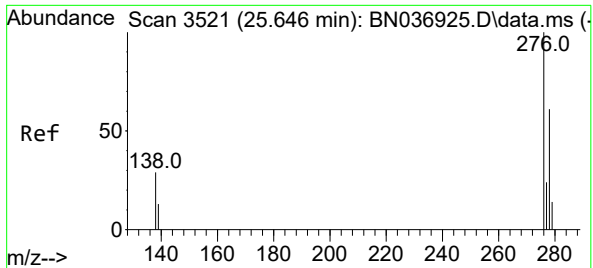
Tgt Ion:149 Resp: 1033
Ion Ratio Lower Upper
149 100
167 24.4 21.0 31.6
279 5.2 2.7 4.1#



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

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

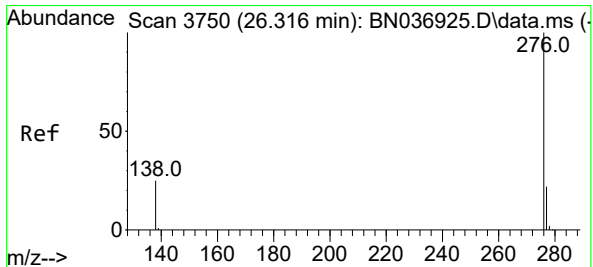
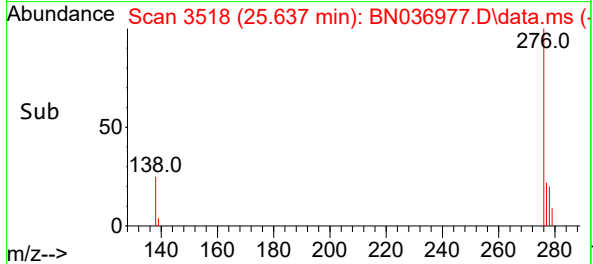
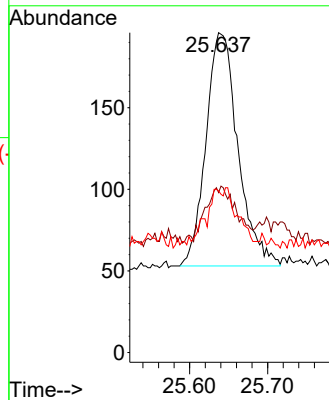
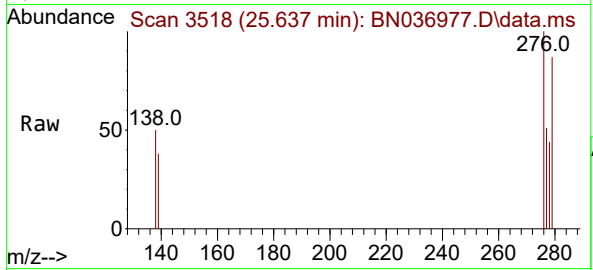




#36
Indeno(1,2,3-cd)pyrene
Concen: 0.022 ng
RT: 25.637 min Scan# 3518
Delta R.T. -0.009 min
Lab File: BN036977.D
Acq: 08 May 2025 17:29

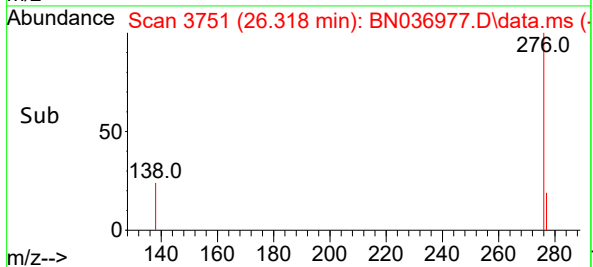
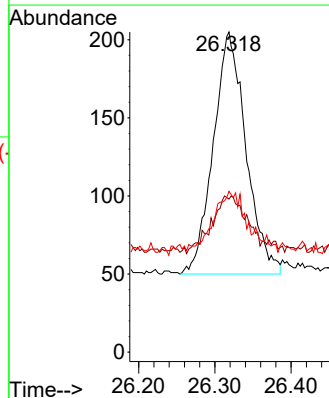
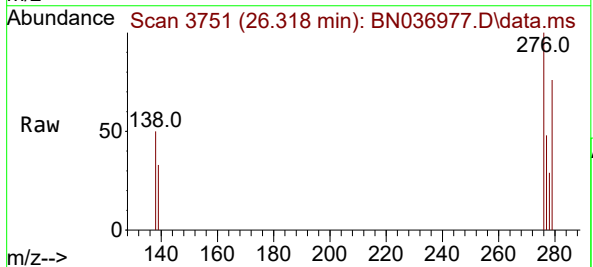
Instrument :
BNA_N
ClientSampleId :
GB1B

Tgt Ion:276 Resp: 409
Ion Ratio Lower Upper
276 100
138 22.2 23.0 34.6#
277 5.6 20.0 30.0#



#41
Benzo(g,h,i)perylene
Concen: 0.028 ng
RT: 26.318 min Scan# 3751
Delta R.T. 0.003 min
Lab File: BN036977.D
Acq: 08 May 2025 17:29

Tgt Ion:276 Resp: 462
Ion Ratio Lower Upper
276 100
277 47.8 20.2 30.2#
138 50.2 21.9 32.9#



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

Instrument :
 BNA_N
 ClientSampleId :
 GB2B

A
B
C
D
E
F
G
H
I
J
K

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

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

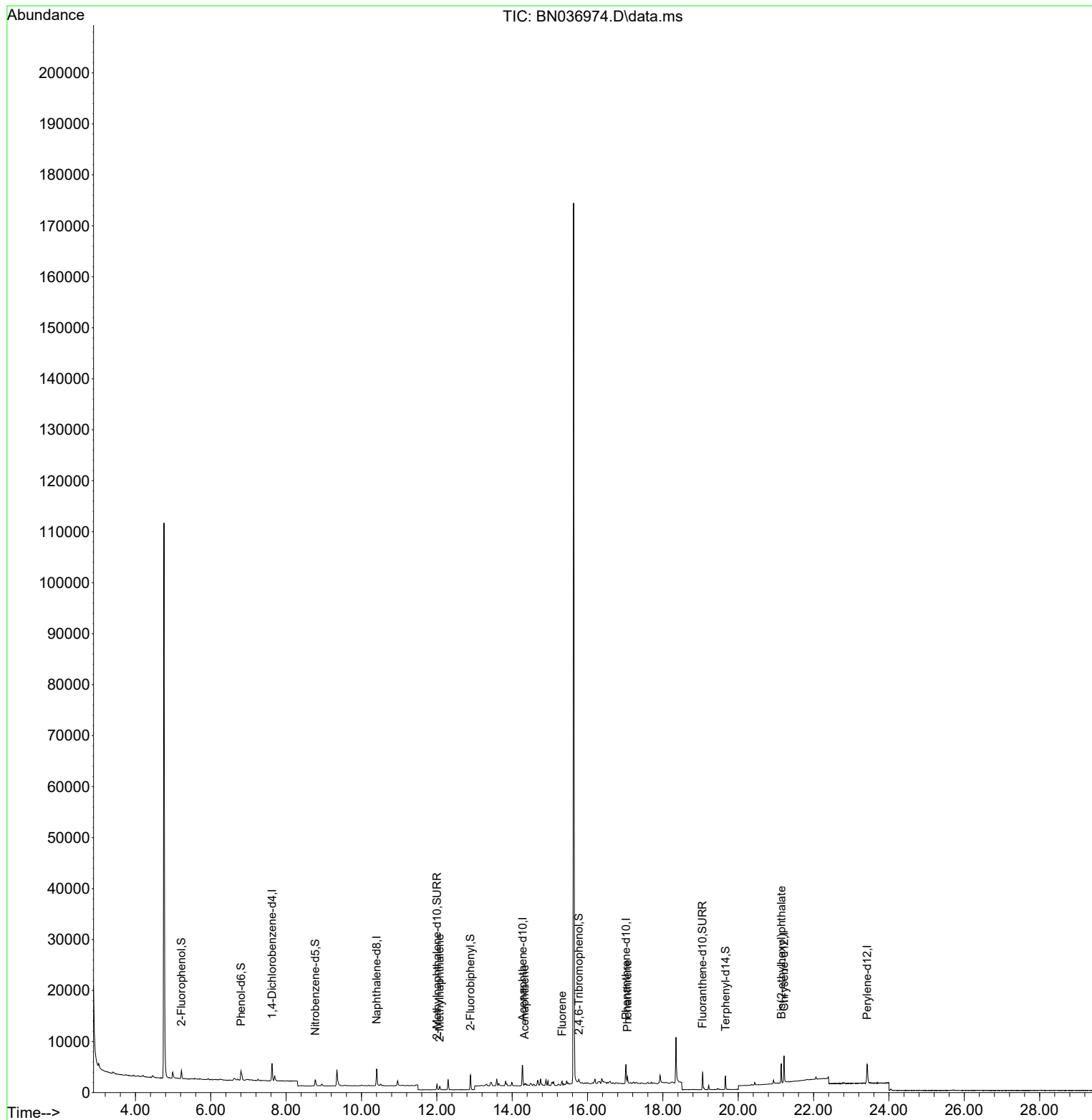
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.626	152	1602	0.400	ng	0.00
7) Naphthalene-d8	10.404	136	4100	0.400	ng	#-0.01
13) Acenaphthene-d10	14.277	164	2293	0.400	ng	0.00
19) Phenanthrene-d10	17.021	188	4908	0.400	ng	# 0.00
29) Chrysene-d12	21.216	240	4614	0.400	ng	# 0.00
35) Perylene-d12	23.421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

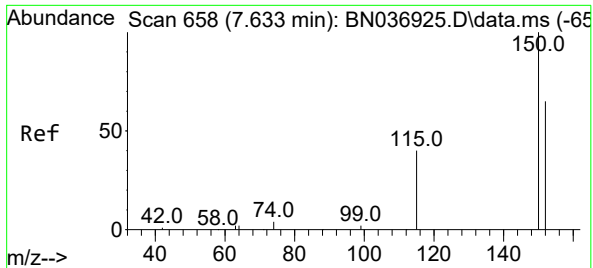
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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

Instrument :
BNA_N
ClientSampleId :
GB2B

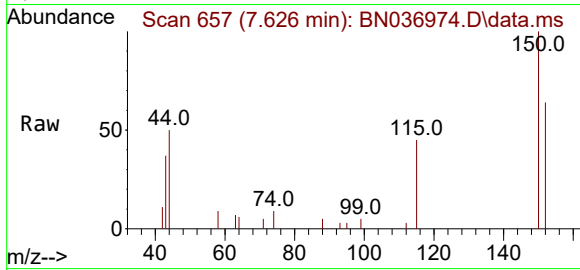
Quant Time: May 08 16:42:33 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN042825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Apr 28 15:35:03 2025
Response via : Initial Calibration



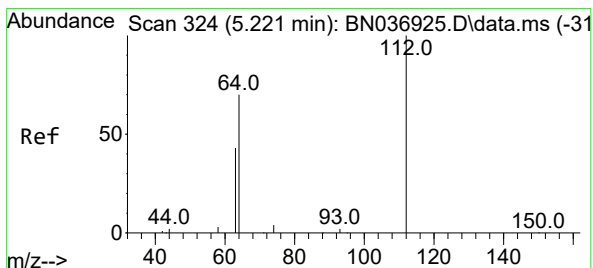
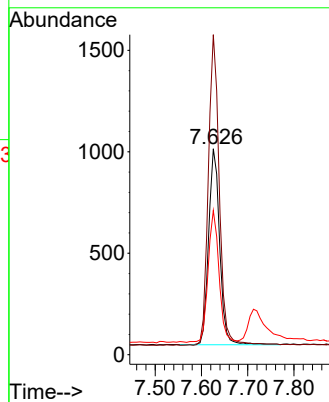
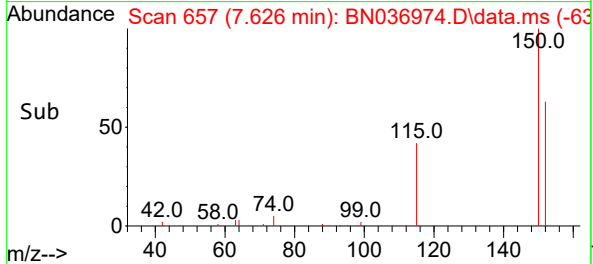


#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.626 min Scan# 61
Delta R.T. -0.007 min
Lab File: BN036974.D
Acq: 08 May 2025 15:40

Instrument :
BNA_N
ClientSampleId :
GB2B

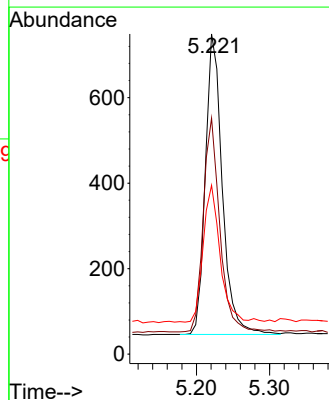
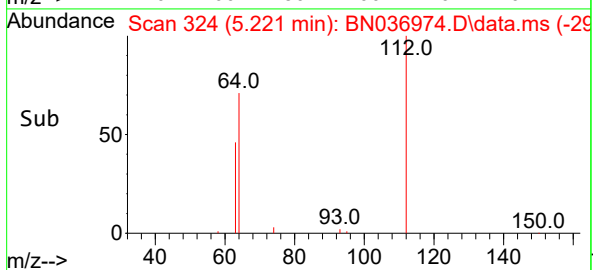
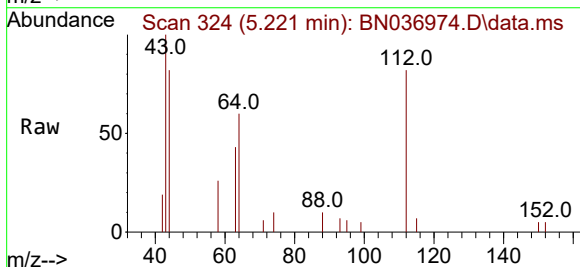


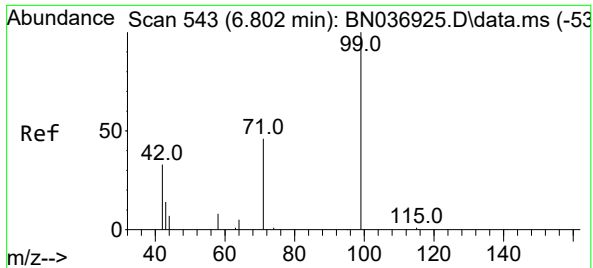
Tgt Ion:152 Resp: 1602
Ion Ratio Lower Upper
152 100
150 155.4 121.1 181.7
115 70.0 51.8 77.6



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

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

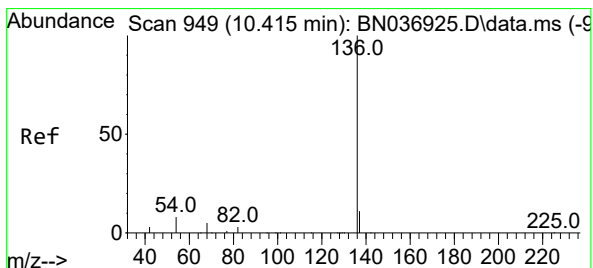
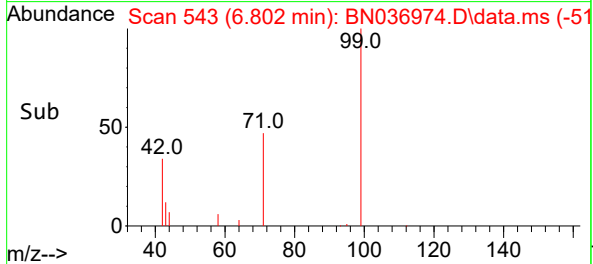
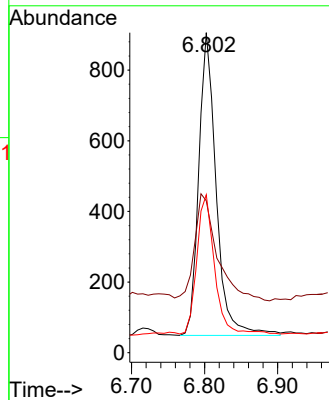
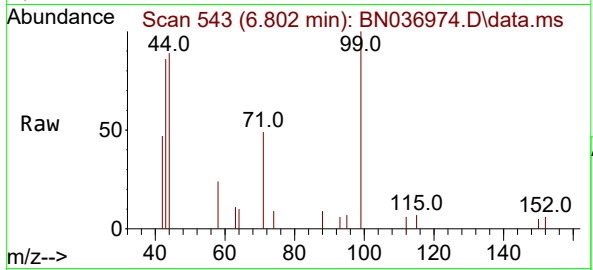




#5
Phenol-d6
Concen: 0.281 ng
RT: 6.802 min Scan# 543
Delta R.T. 0.000 min
Lab File: BN036974.D
Acq: 08 May 2025 15:40

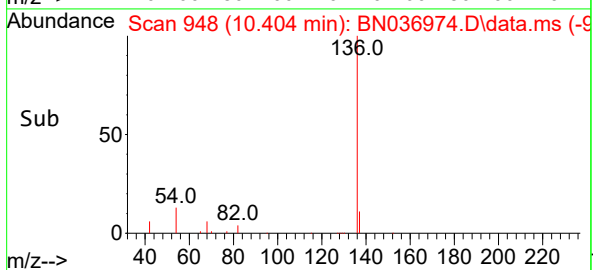
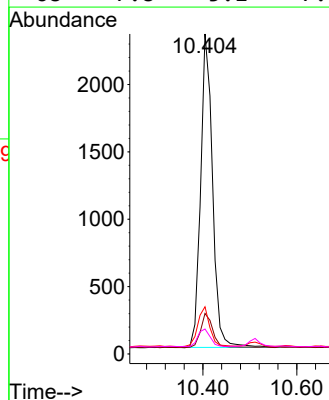
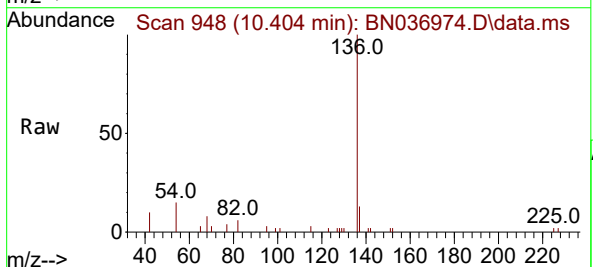
Instrument :
BNA_N
ClientSampleId :
GB2B

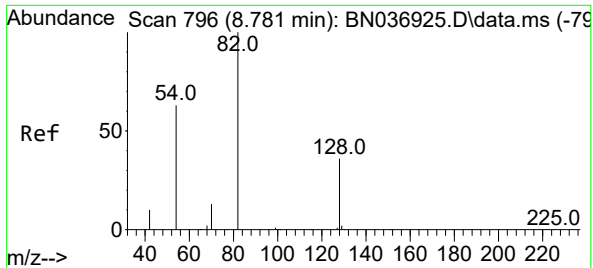
Tgt Ion	Ratio	Lower	Upper
99	100		
42	46.0	29.6	44.4#
71	46.9	36.0	54.0



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

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

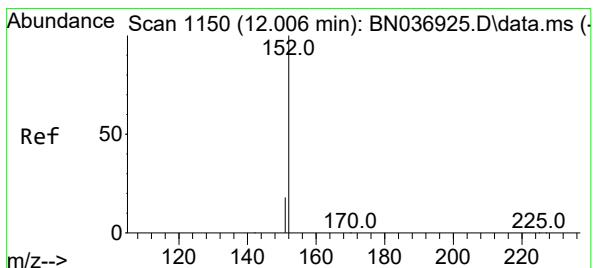
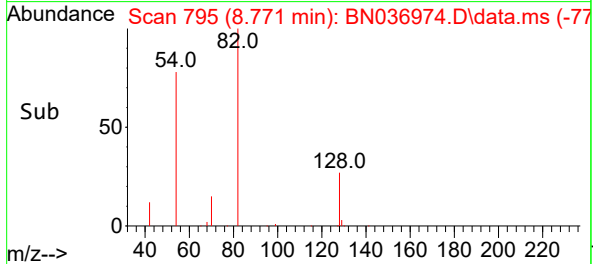
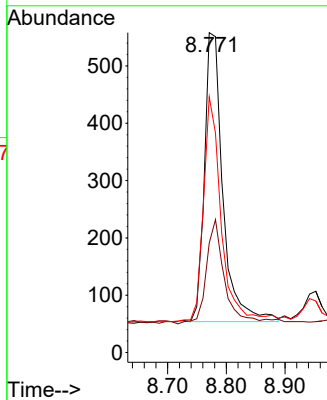
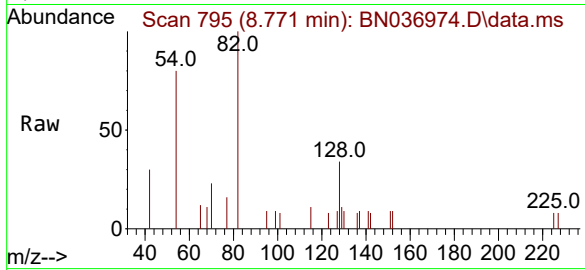




#8
Nitrobenzene-d5
Concen: 0.257 ng
RT: 8.771 min Scan# 796
Delta R.T. -0.011 min
Lab File: BN036974.D
Acq: 08 May 2025 15:40

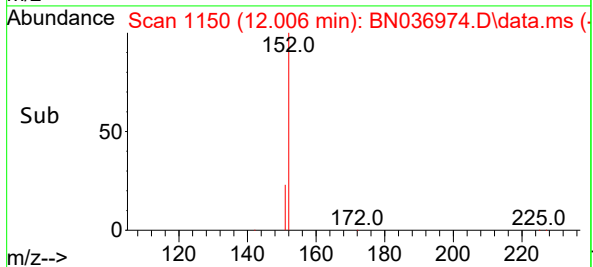
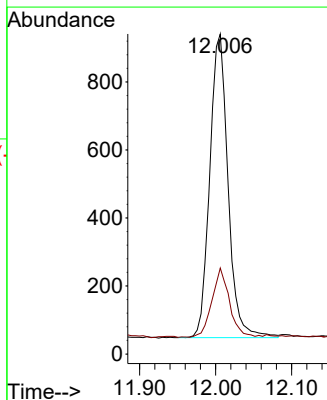
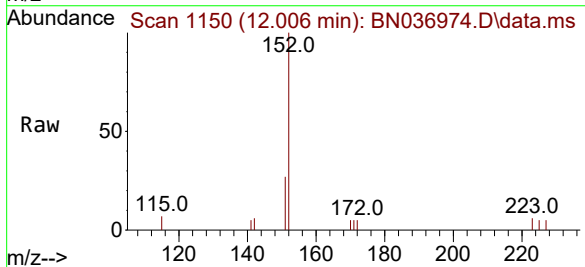
Instrument :
BNA_N
ClientSampleId :
GB2B

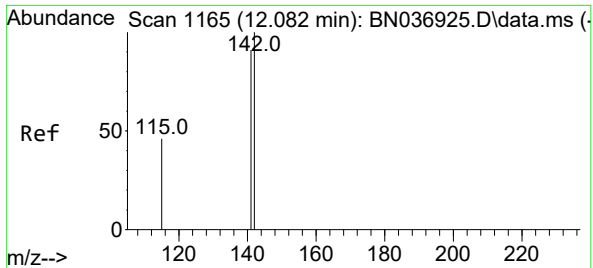
Tgt Ion: 82 Resp: 1102
Ion Ratio Lower Upper
82 100
128 34.2 30.7 46.1
54 79.9 52.1 78.1#



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

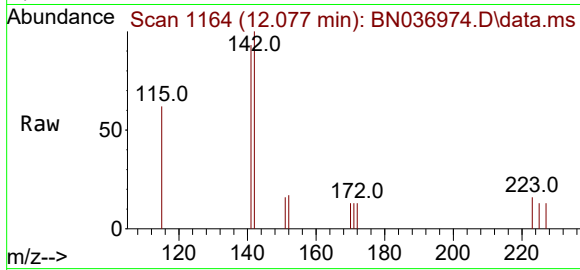
Tgt Ion:152 Resp: 1490
Ion Ratio Lower Upper
152 100
151 21.5 16.9 25.3



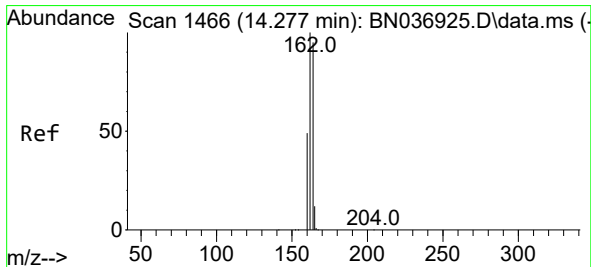
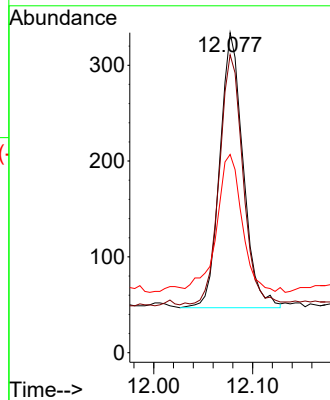
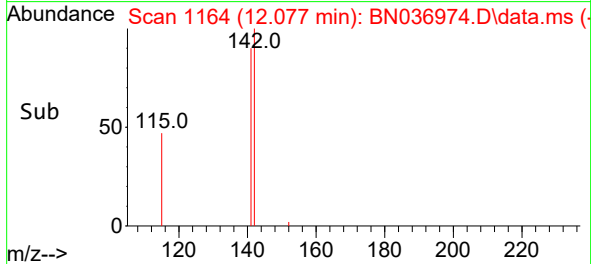


#12
2-Methylnaphthalene
Concen: 0.061 ng
RT: 12.077 min Scan# 1164
Delta R.T. -0.005 min
Lab File: BN036974.D
Acq: 08 May 2025 15:40

Instrument :
BNA_N
ClientSampleId :
GB2B

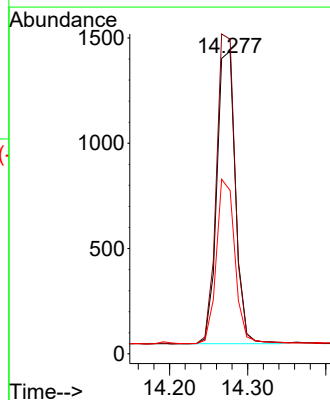
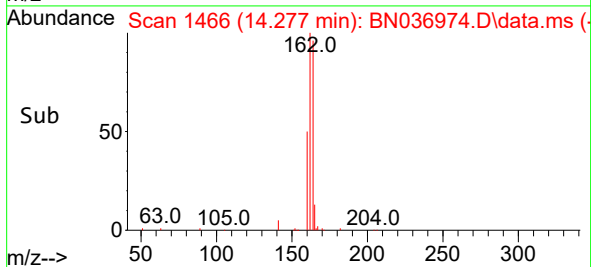
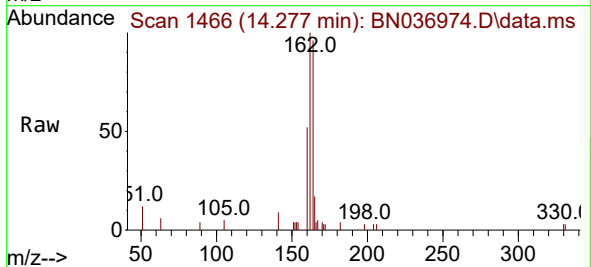


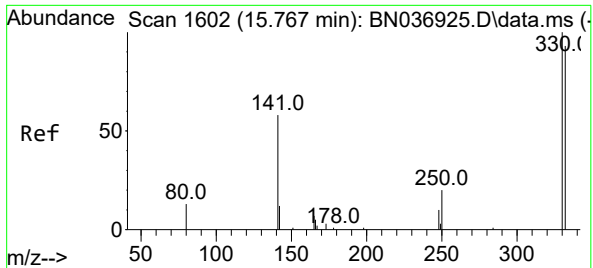
Tgt Ion:142 Resp: 470
Ion Ratio Lower Upper
142 100
141 93.1 72.8 109.2
115 62.0 38.2 57.4#



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

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

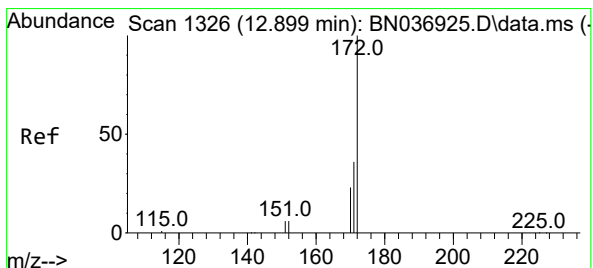
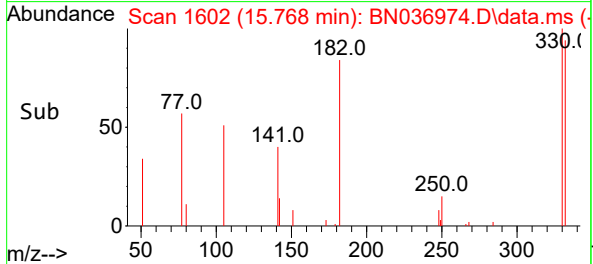
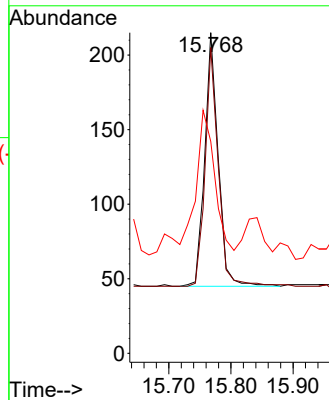
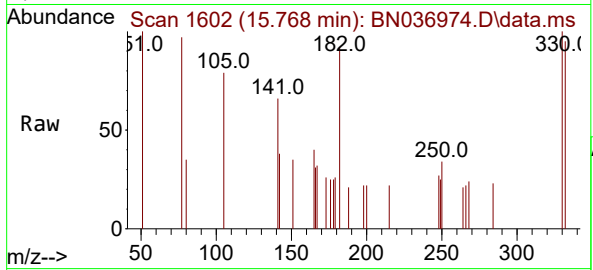




#14
2,4,6-Tribromophenol
Concen: 0.251 ng
RT: 15.768 min Scan# 1602
Delta R.T. 0.000 min
Lab File: BN036974.D
Acq: 08 May 2025 15:40

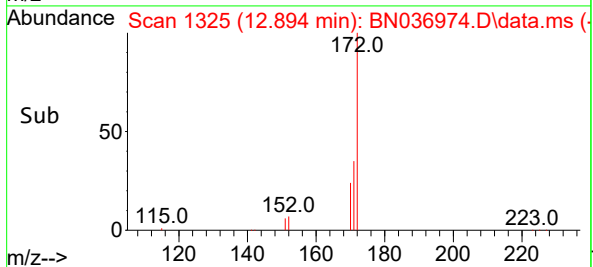
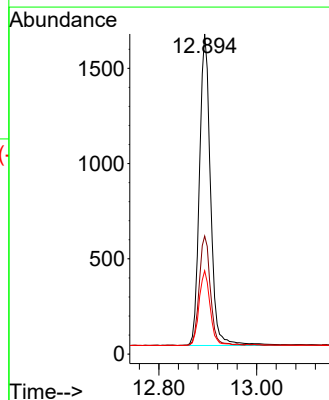
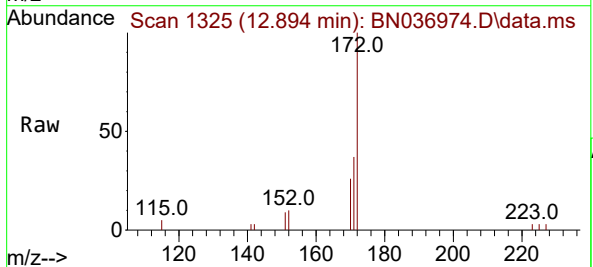
Instrument :
BNA_N
ClientSampleId :
GB2B

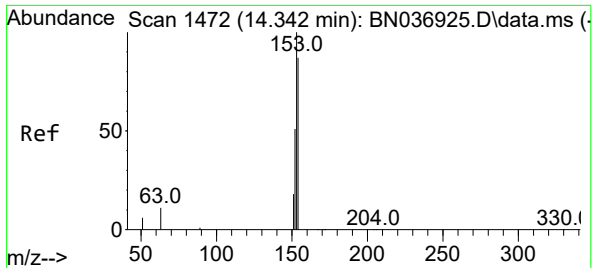
Tgt Ion:330 Resp: 257
Ion Ratio Lower Upper
330 100
332 92.6 76.3 114.5
141 93.8 45.4 68.2#



#15
2-Fluorobiphenyl
Concen: 0.259 ng
RT: 12.894 min Scan# 1325
Delta R.T. -0.005 min
Lab File: BN036974.D
Acq: 08 May 2025 15:40

Tgt Ion:172 Resp: 2873
Ion Ratio Lower Upper
172 100
171 36.9 29.4 44.0
170 26.0 19.4 29.0

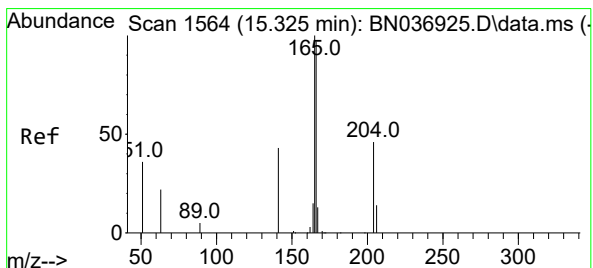
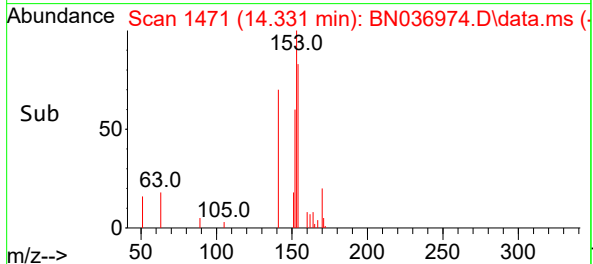
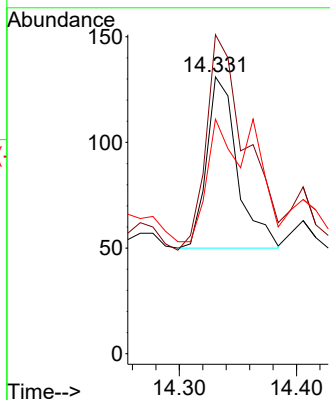
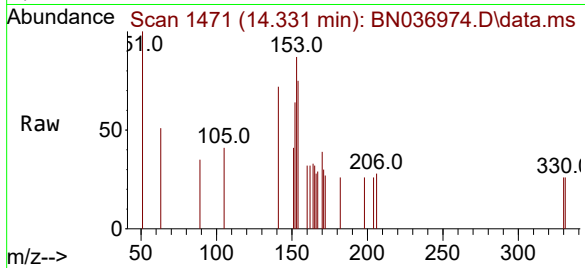




#17
Acenaphthene
Concen: 0.020 ng
RT: 14.331 min Scan# 1471
Delta R.T. -0.011 min
Lab File: BN036974.D
Acq: 08 May 2025 15:40

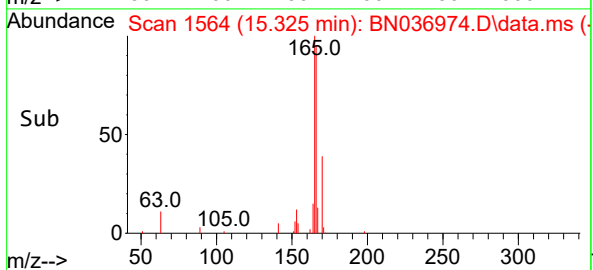
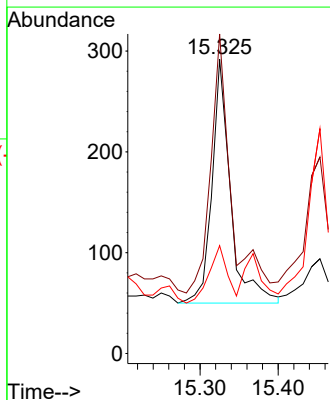
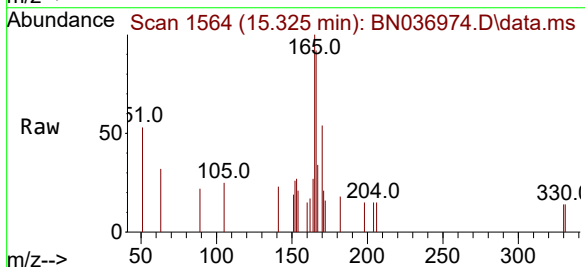
Instrument :
BNA_N
ClientSampleId :
GB2B

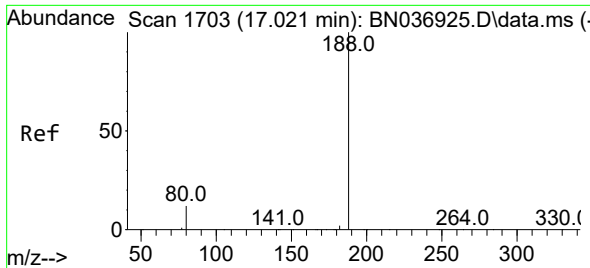
Tgt Ion:154 Resp: 148
Ion Ratio Lower Upper
154 100
153 173.0 93.4 140.2#
152 108.8 49.5 74.3#



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

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





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 17.021 min Scan# 11

Delta R.T. 0.000 min

Lab File: BN036974.D

Acq: 08 May 2025 15:40

Instrument :

BNA_N

ClientSampleId :

GB2B

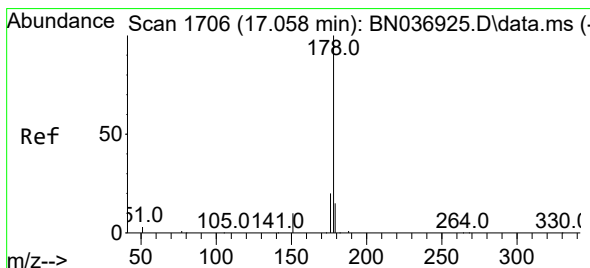
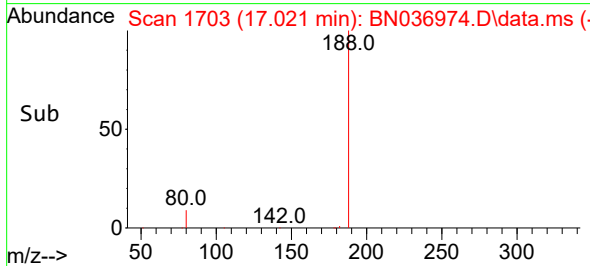
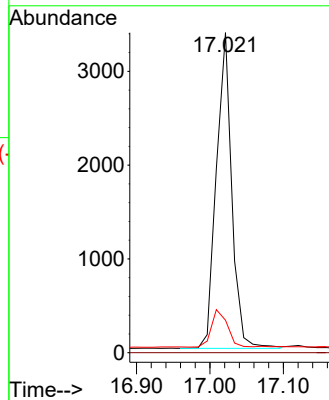
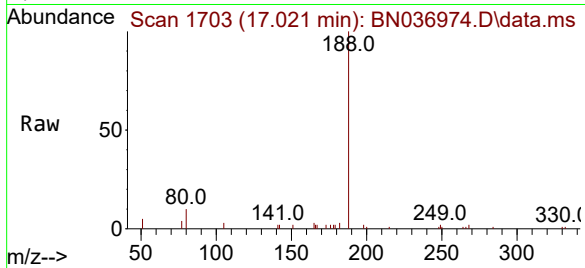
Tgt Ion:188 Resp: 4908

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

80 10.1 10.7 16.1#



#25

Phenanthrene

Concen: 0.083 ng

RT: 17.058 min Scan# 1706

Delta R.T. 0.000 min

Lab File: BN036974.D

Acq: 08 May 2025 15:40

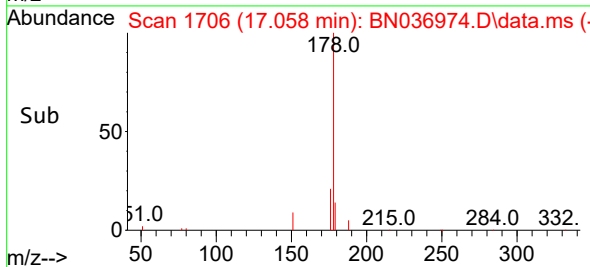
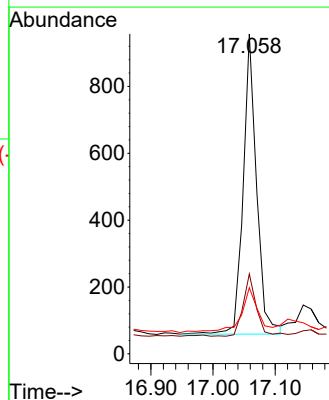
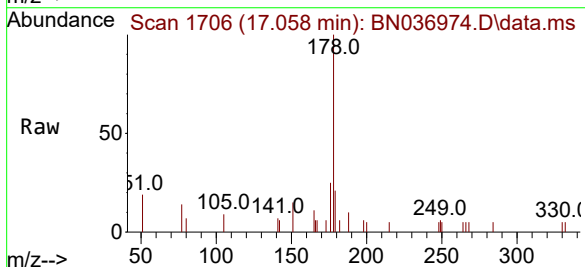
Tgt Ion:178 Resp: 1352

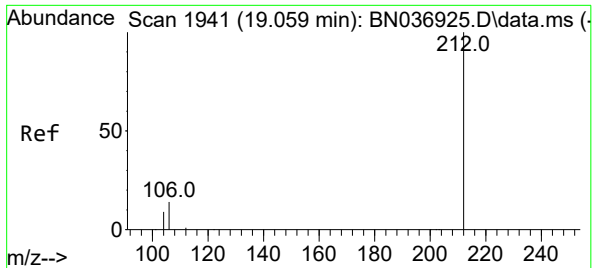
Ion Ratio Lower Upper

178 100

176 20.6 15.7 23.5

179 19.1 12.4 18.6#





#27

Fluoranthene-d10

Concen: 0.287 ng

RT: 19.054 min Scan# 1941

Delta R.T. -0.005 min

Lab File: BN036974.D

Acq: 08 May 2025 15:40

Instrument :

BNA_N

ClientSampleId :

GB2B

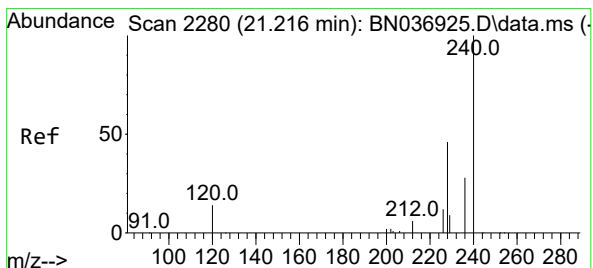
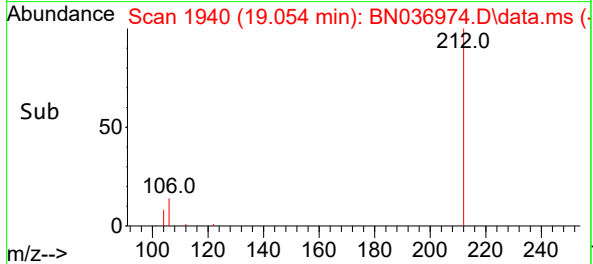
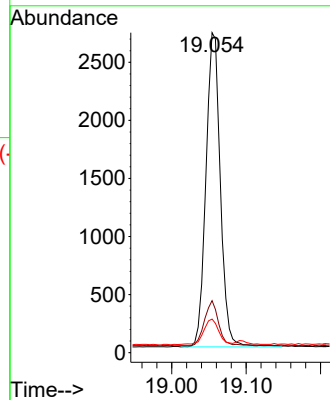
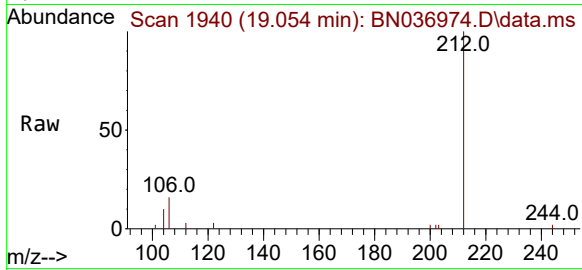
Tgt Ion:212 Resp: 3646

Ion Ratio Lower Upper

212 100

106 14.1 11.6 17.4

104 8.7 7.0 10.4



#29

Chrysene-d12

Concen: 0.400 ng

RT: 21.216 min Scan# 2280

Delta R.T. 0.000 min

Lab File: BN036974.D

Acq: 08 May 2025 15:40

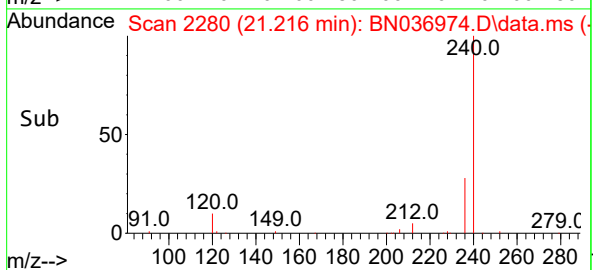
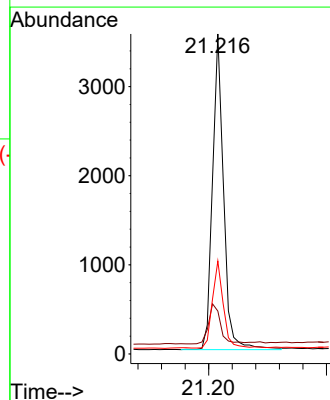
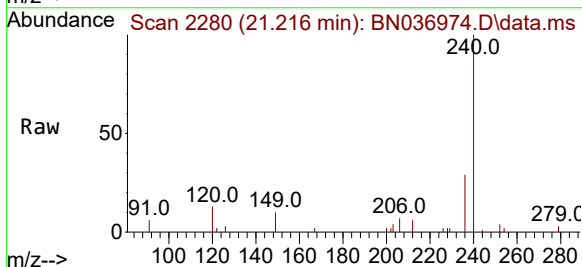
Tgt Ion:240 Resp: 4614

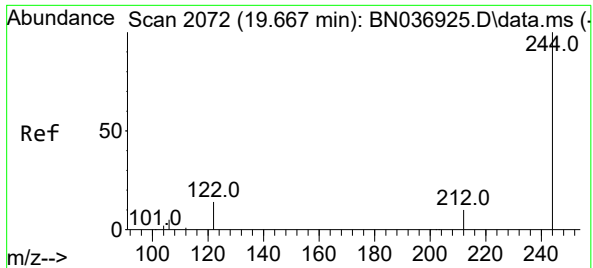
Ion Ratio Lower Upper

240 100

120 13.4 14.1 21.1#

236 29.0 23.8 35.8

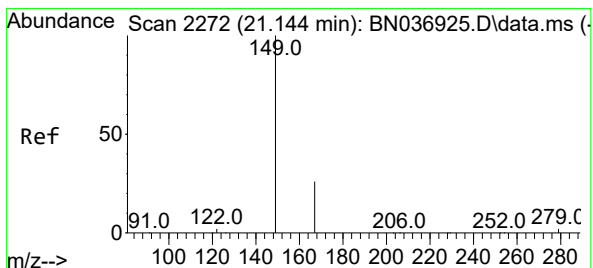
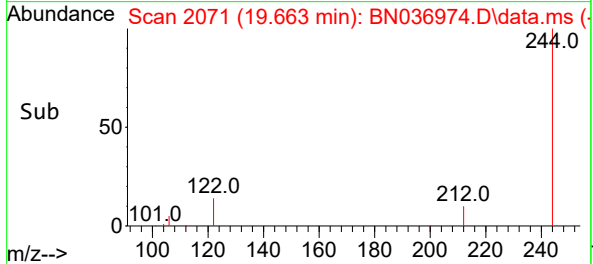
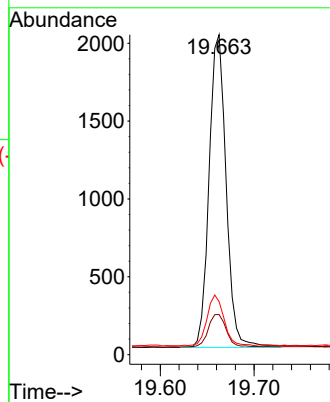
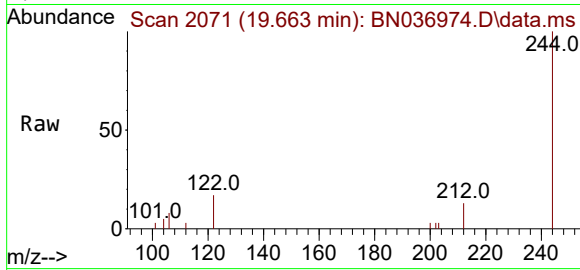




#31
 Terphenyl-d14
 Concen: 0.233 ng
 RT: 19.663 min Scan# 2072
 Delta R.T. -0.005 min
 Lab File: BN036974.D
 Acq: 08 May 2025 15:40

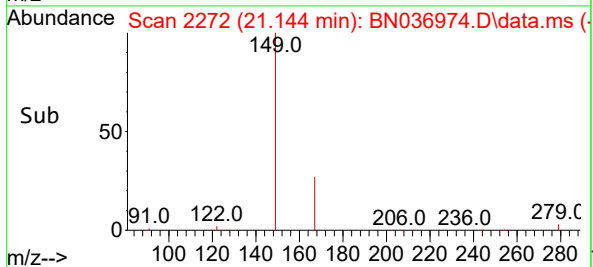
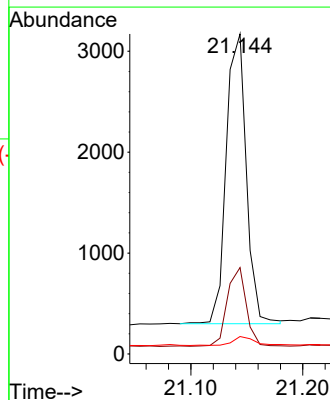
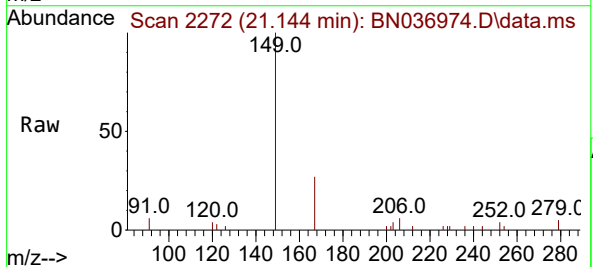
Instrument :
 BNA_N
 ClientSampleId :
 GB2B

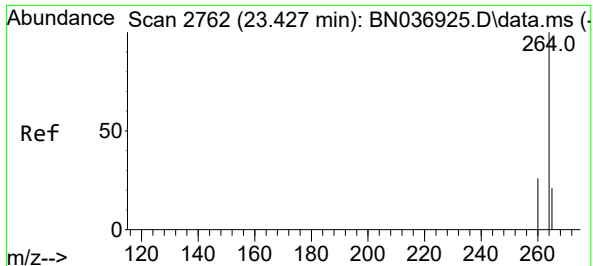
Tgt Ion:244 Resp: 2536
 Ion Ratio Lower Upper
 244 100
 212 12.6 9.6 14.4
 122 16.6 12.7 19.1



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

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





#35

Perylene-d12

Concen: 0.400 ng

RT: 23.421 min Scan# 21

Delta R.T. -0.006 min

Lab File: BN036974.D

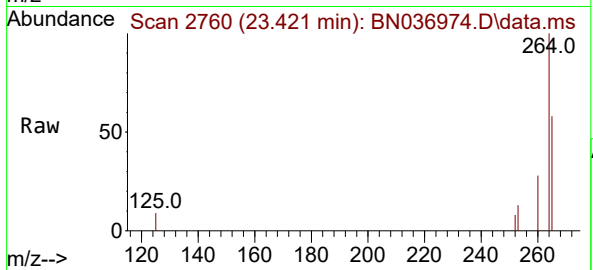
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Instrument :

BNA_N

ClientSampleId :

GB2B



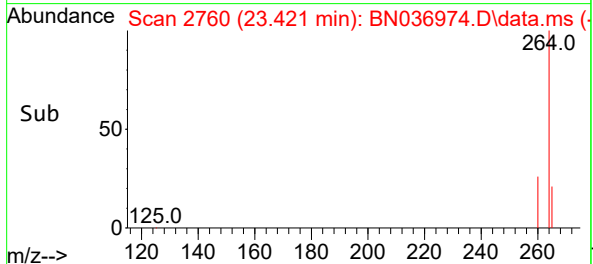
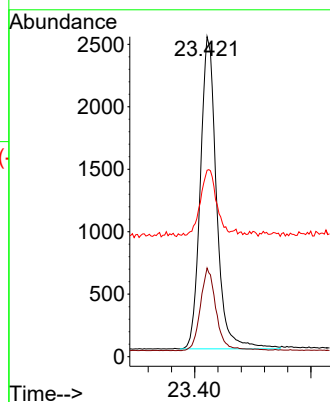
Tgt Ion:264 Resp: 4836

Ion Ratio Lower Upper

264 100

260 27.7 22.2 33.2

265 58.3 65.8 98.6#



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

Instrument :

BNA_N

ClientSampleId :

GB3B

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 05/09/2025

Supervised By :Jagrut Upadhyay 05/09/2025

Quant Time: May 08 18:28:38 2025

Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN042825.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Mon Apr 28 15:35:03 2025

Response via : Initial Calibration

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

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

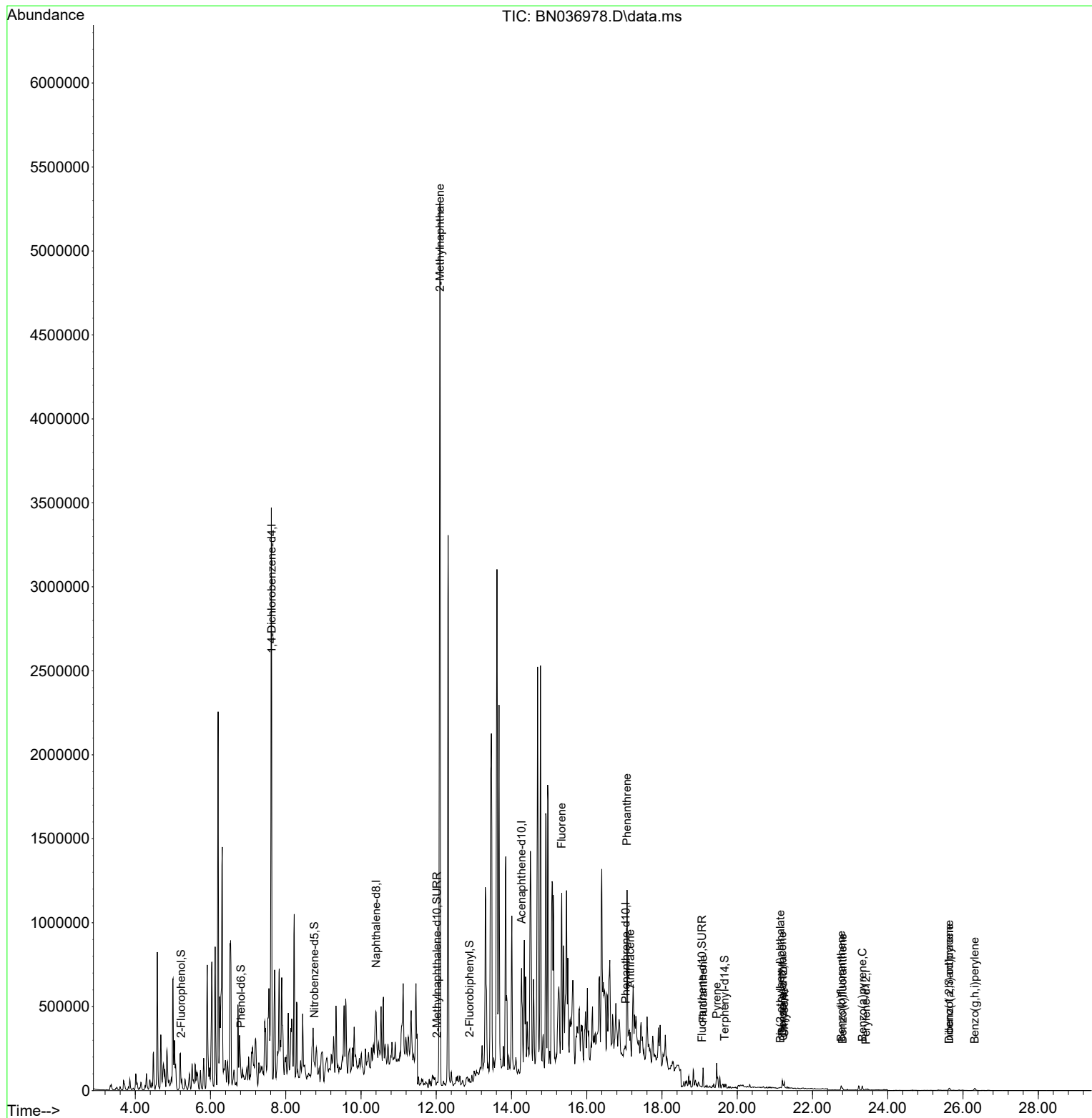
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Data File : BN036978.D
Acq On : 08 May 2025 18:05
Operator : RC/JU
Sample : Q1939-06
Misc :
ALS Vial : 8 Sample Multiplier: 1

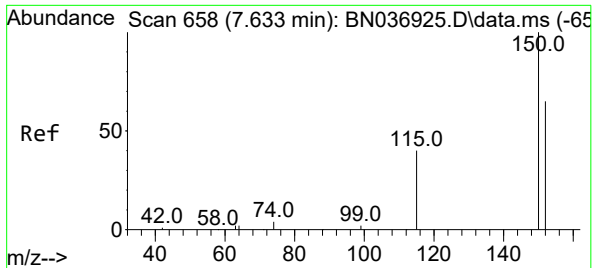
Instrument :
BNA_N
ClientSampleId :
GB3B

Manual Integrations
APPROVED

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

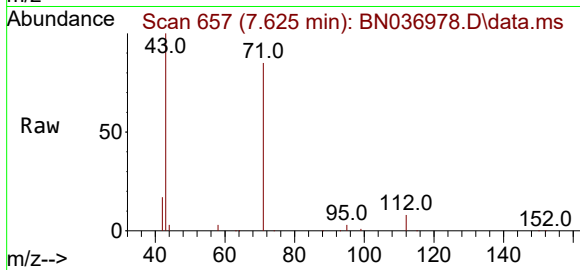
Quant Time: May 08 18:28:38 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN042825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Apr 28 15:35:03 2025
Response via : Initial Calibration





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

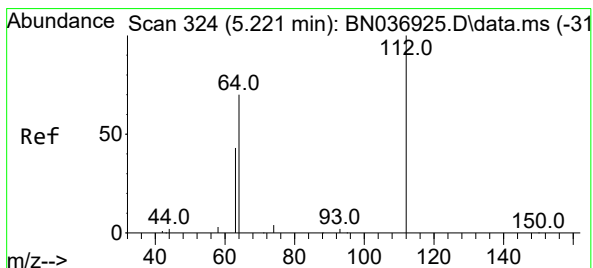
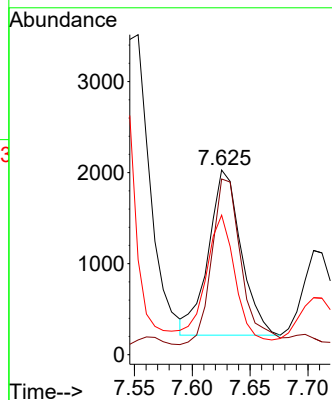
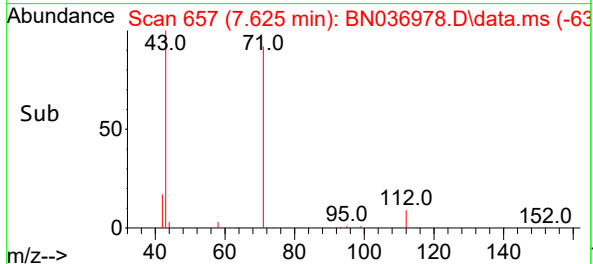
Instrument :
BNA_N
ClientSampleId :
GB3B



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

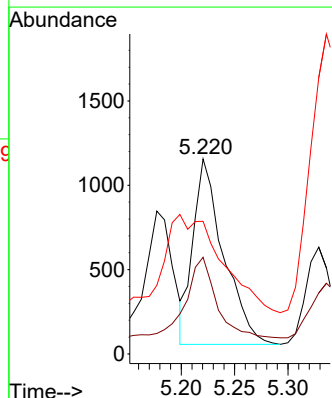
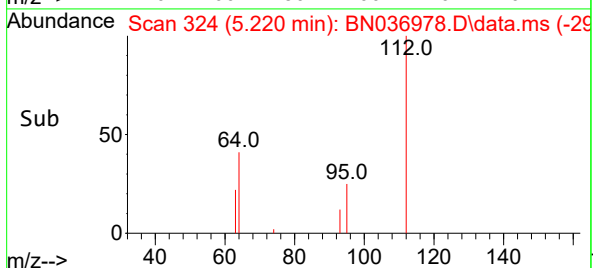
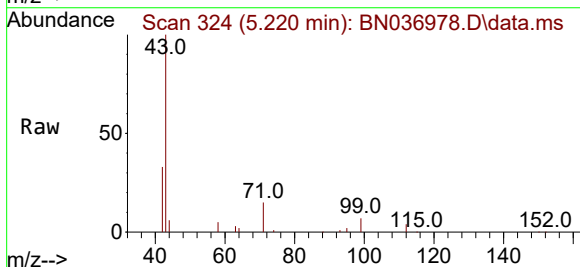
Manual Integrations
APPROVED

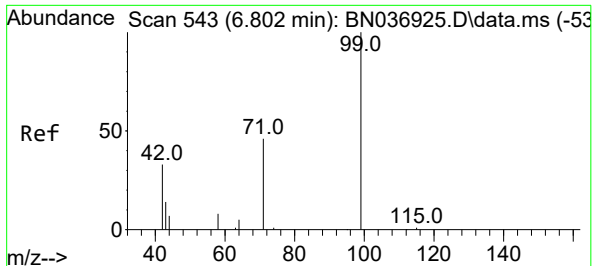
Reviewed By :Rahul Chavli 05/09/2025
Supervised By :Jagrut Upadhyay 05/09/2025



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

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





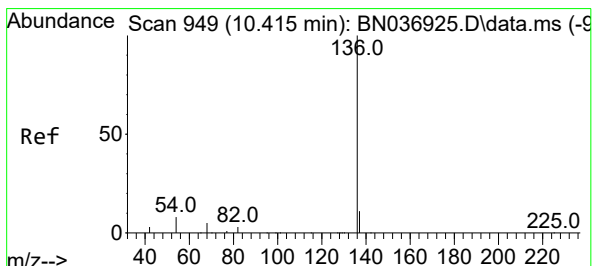
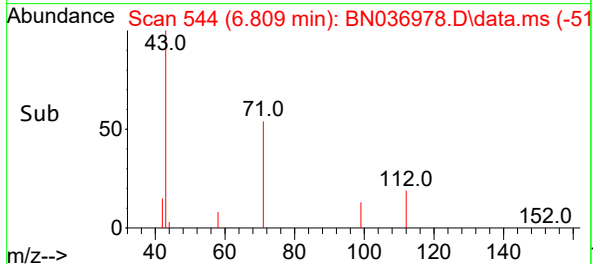
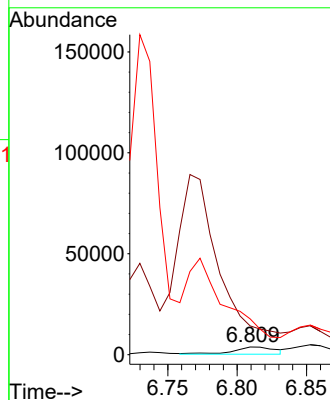
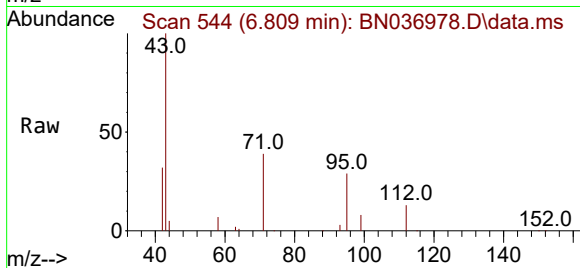
#5
Phenol-d6
Concen: 0.662 ng
RT: 6.809 min Scan# 543
Delta R.T. 0.007 min
Lab File: BN036978.D
Acq: 08 May 2025 18:05

Instrument :
BNA_N
ClientSampleId :
GB3B

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

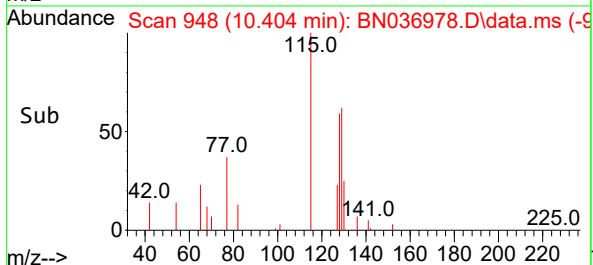
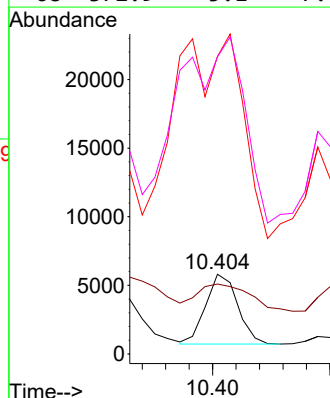
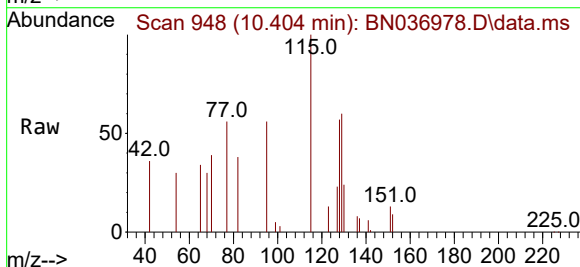
Manual Integrations
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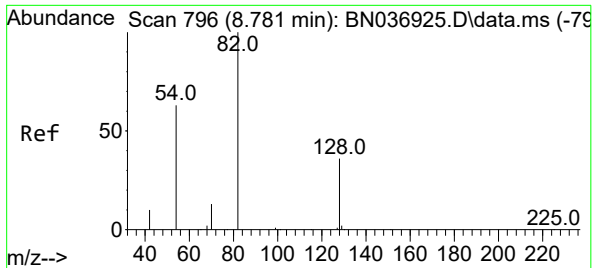
Reviewed By :Rahul Chavli 05/09/2025
Supervised By :Jagrut Upadhyay 05/09/2025



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

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





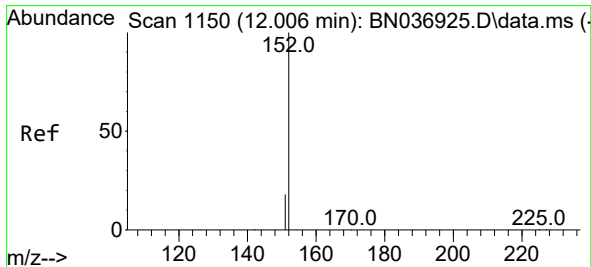
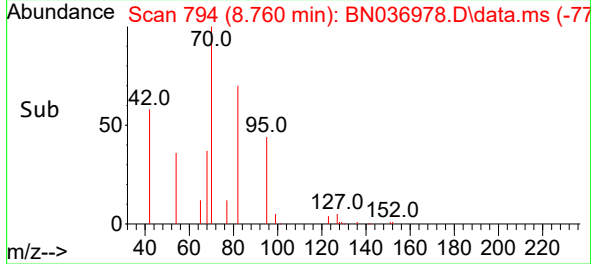
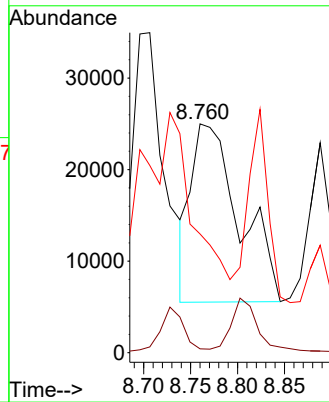
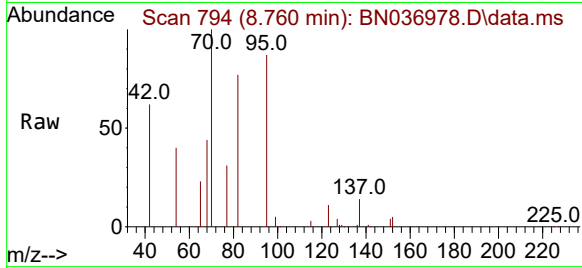
#8
Nitrobenzene-d5
Concen: 6.930 ng
RT: 8.760 min Scan# 796
Delta R.T. -0.022 min
Lab File: BN036978.D
Acq: 08 May 2025 18:05

Instrument :
BNA_N
ClientSampleId :
GB3B

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

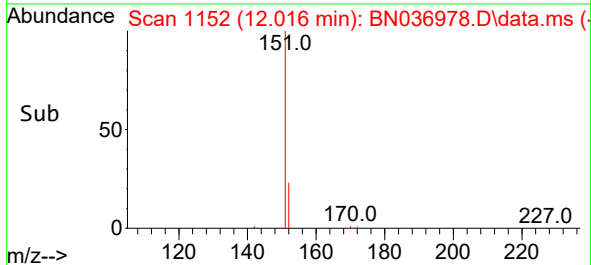
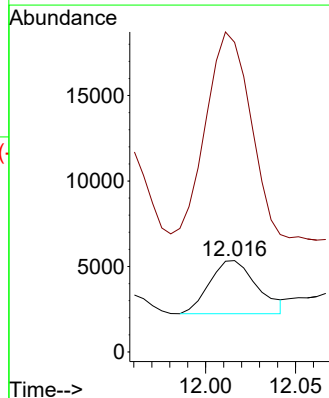
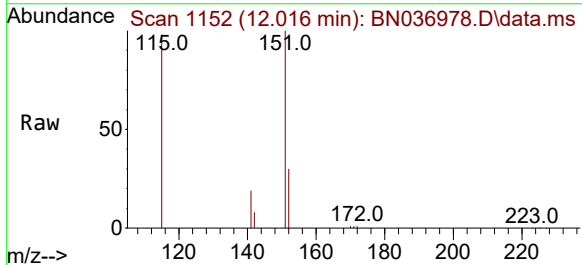
Manual Integrations
APPROVED

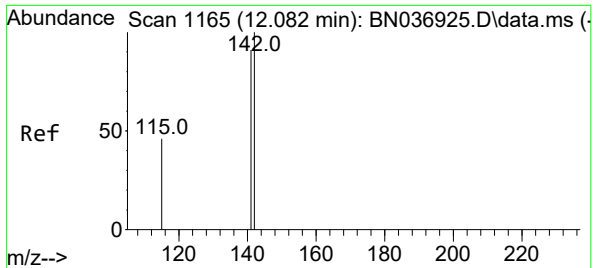
Reviewed By :Rahul Chavli 05/09/2025
Supervised By :Jagrut Upadhyay 05/09/2025



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

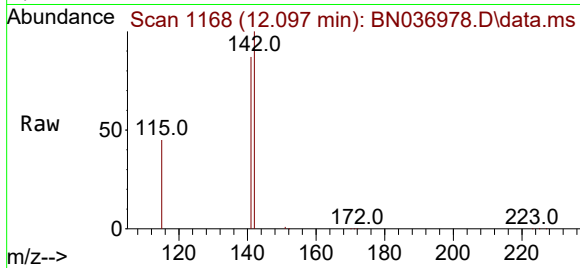
Tgt Ion:152 Resp: 5724
Ion Ratio Lower Upper
152 100
151 413.9 16.9 25.3





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

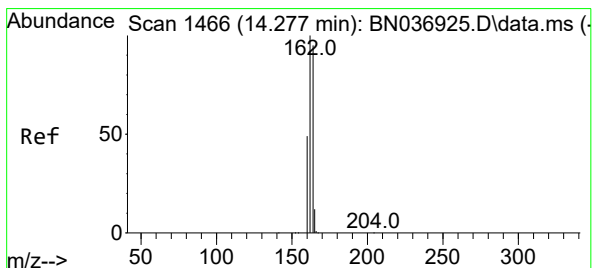
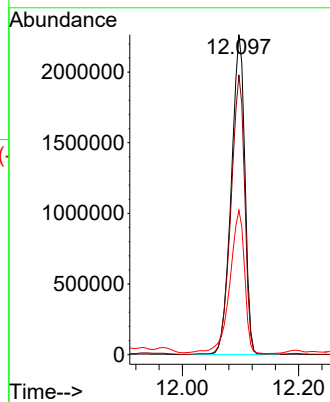
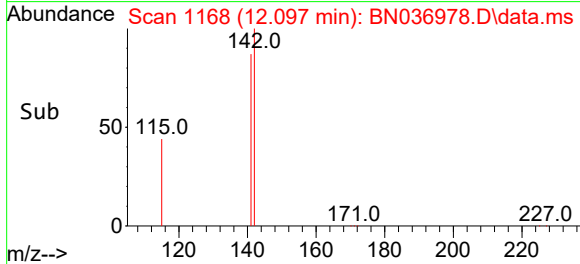
Instrument :
BNA_N
ClientSampleId :
GB3B



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

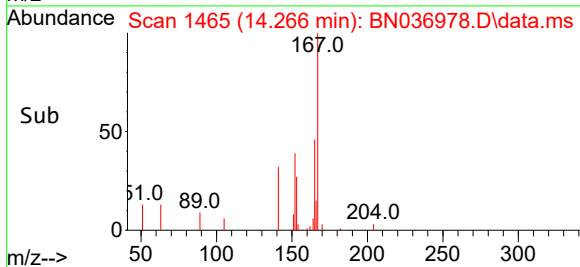
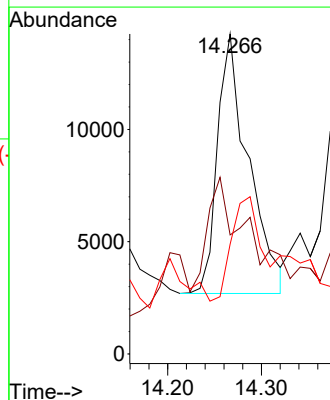
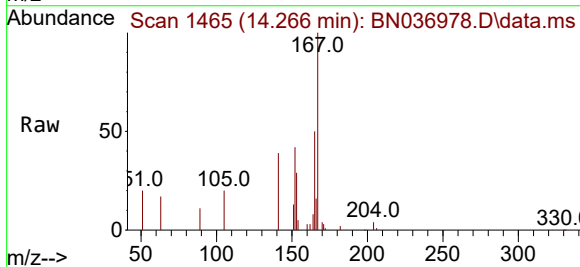
Manual Integrations
APPROVED

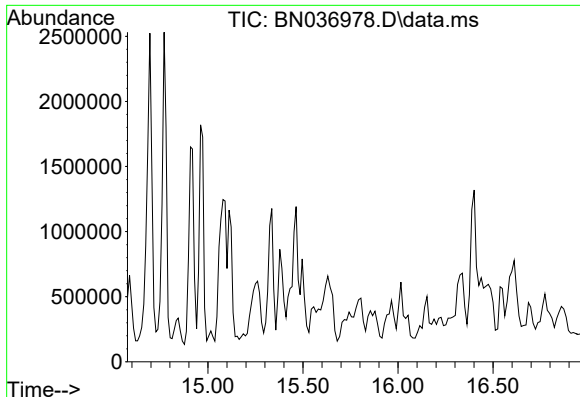
Reviewed By :Rahul Chavli 05/09/2025
Supervised By :Jagrut Upadhyay 05/09/2025



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

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





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

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

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

Instrument :

BNA_N

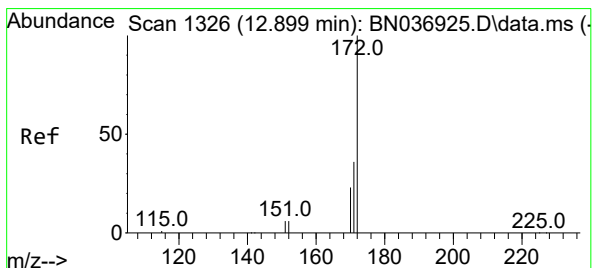
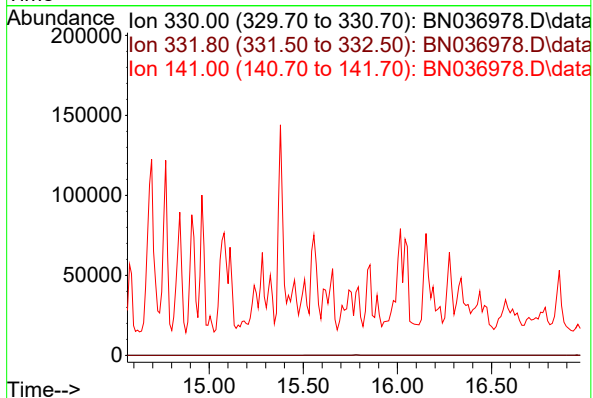
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GB3B

Manual Integrations

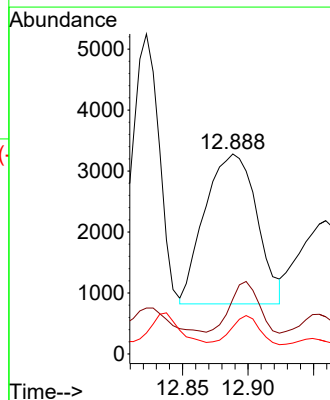
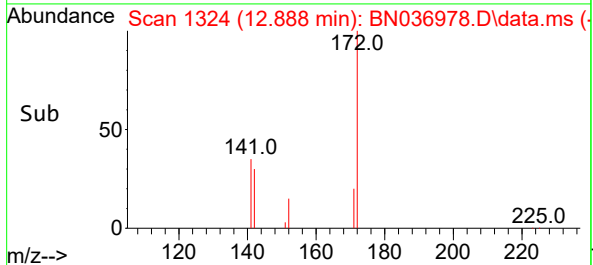
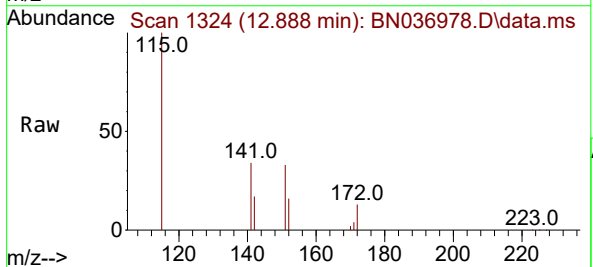
APPROVED

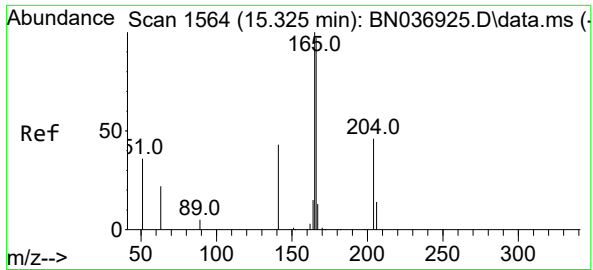
Reviewed By :Rahul Chavli 05/09/2025
Supervised By :Jagrut Upadhyay 05/09/2025



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

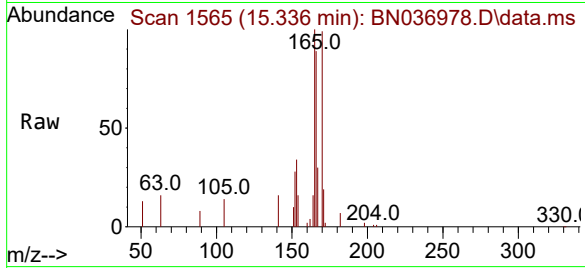
Tgt Ion:172 Resp: 6785
Ion Ratio Lower Upper
172 100
171 27.5 29.4 44.0#
170 13.5 19.4 29.0#





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

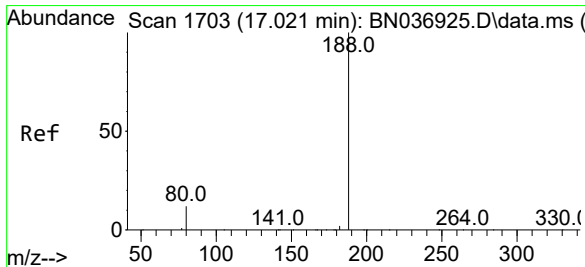
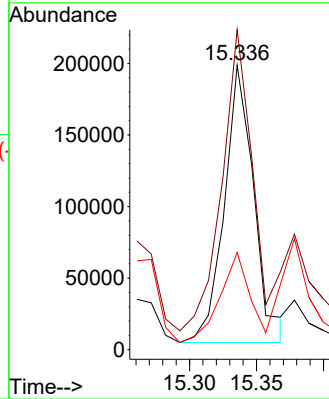
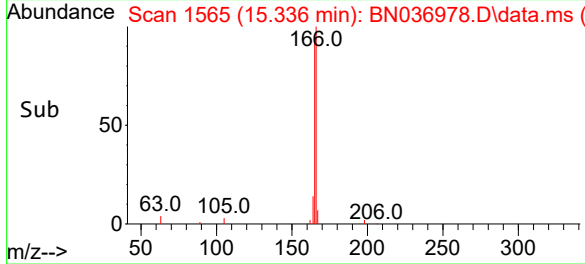
Instrument :
BNA_N
ClientSampleId :
GB3B



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

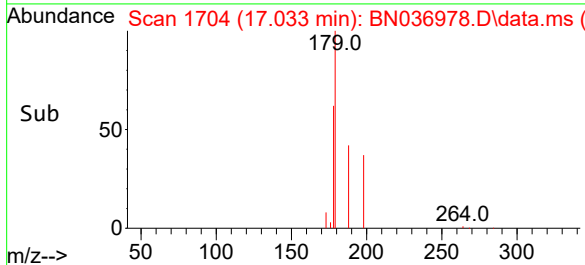
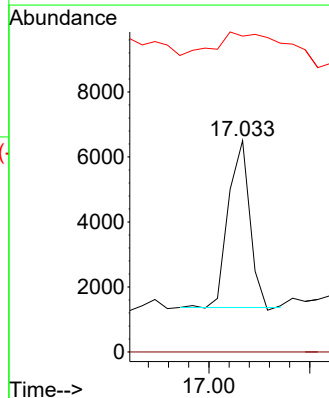
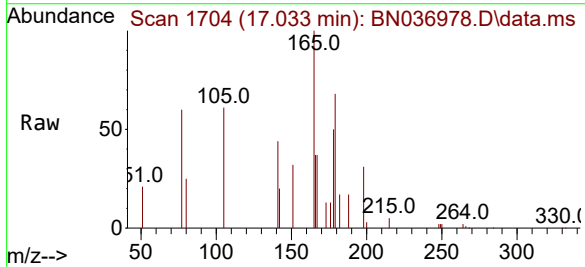
Manual Integrations
APPROVED

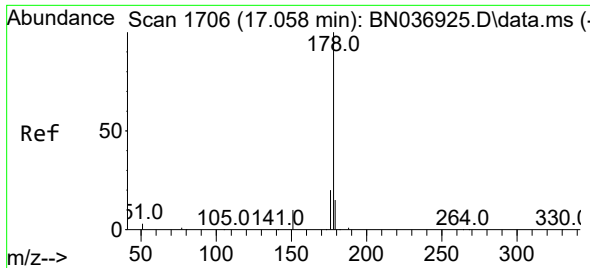
Reviewed By :Rahul Chavli 05/09/2025
Supervised By :Jagrut Upadhyay 05/09/2025



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

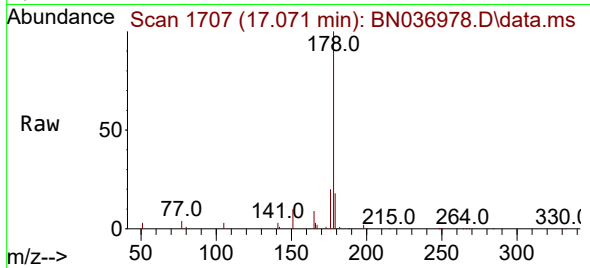
Tgt Ion:188 Resp: 7588
Ion Ratio Lower Upper
188 100
94 0.0 0.0 0.0
80 149.4 10.7 16.1





#25
Phenanthrene
Concen: 35.912 ng
RT: 17.071 min Scan# 1707
Delta R.T. 0.012 min
Lab File: BN036978.D
Acq: 08 May 2025 18:05

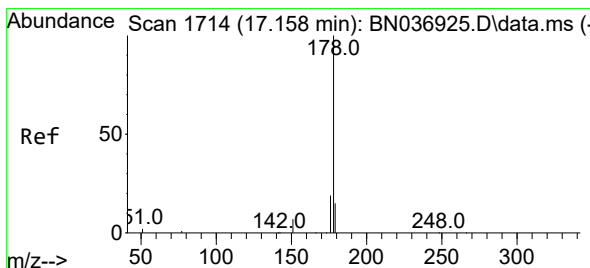
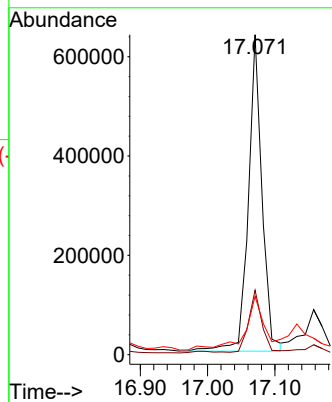
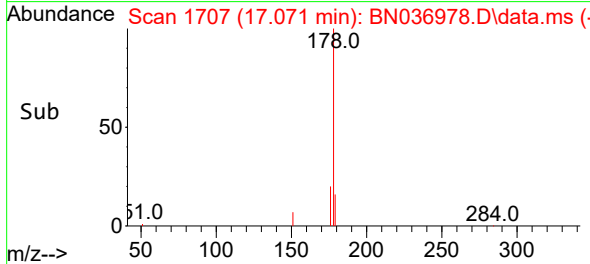
Instrument :
BNA_N
ClientSampleId :
GB3B



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

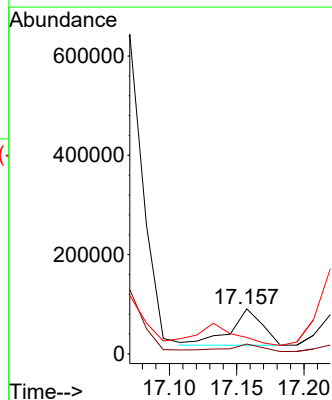
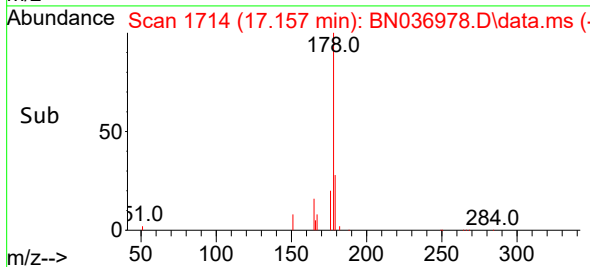
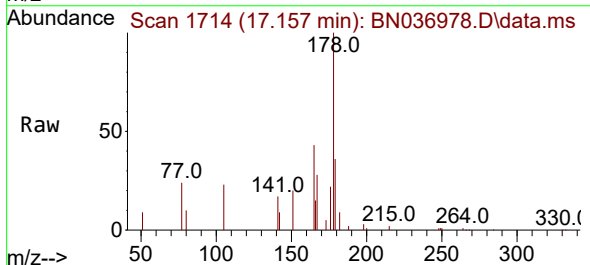
Manual Integrations
APPROVED

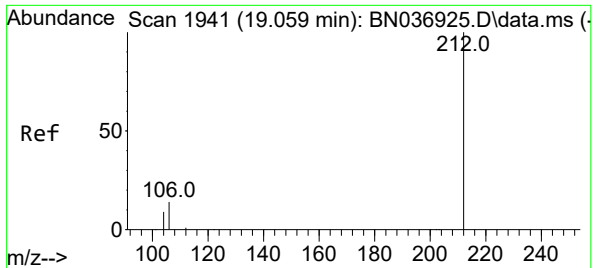
Reviewed By :Rahul Chavli 05/09/2025
Supervised By :Jagrut Upadhyay 05/09/2025



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

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





#27

Fluoranthene-d10

Concen: 0.244 ng

RT: 19.063 min Scan# 1941

Delta R.T. 0.004 min

Lab File: BN036978.D

Acq: 08 May 2025 18:05

Instrument :

BNA_N

ClientSampleId :

GB3B

Tgt Ion:212 Resp: 480

Ion Ratio Lower Upper

212 100

106 0.0 11.6 17.4

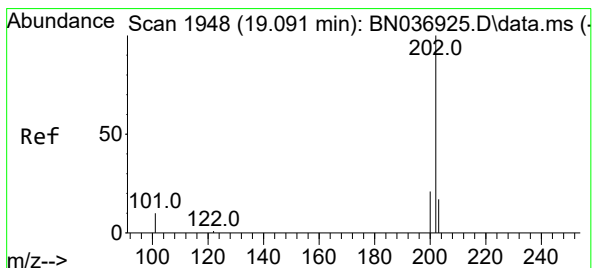
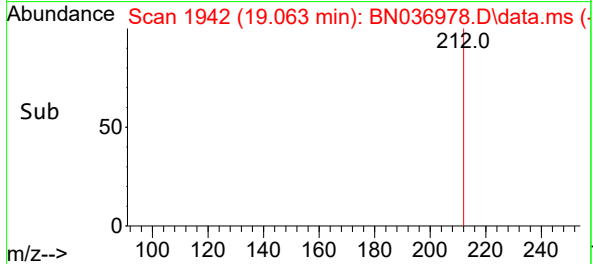
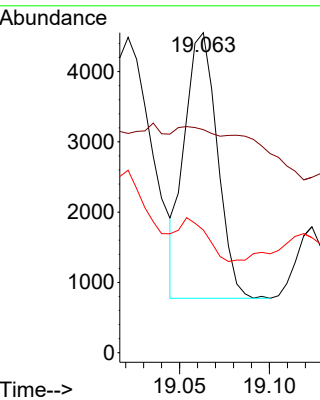
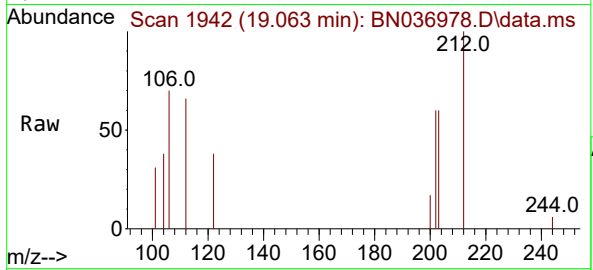
104 14.0 7.0 10.4

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 05/09/2025

Supervised By :Jagrut Upadhyay 05/09/2025



#28

Fluoranthene

Concen: 3.497 ng

RT: 19.091 min Scan# 1948

Delta R.T. -0.000 min

Lab File: BN036978.D

Acq: 08 May 2025 18:05

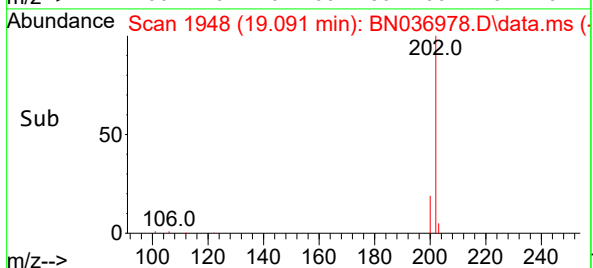
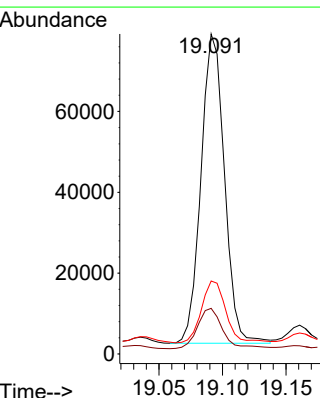
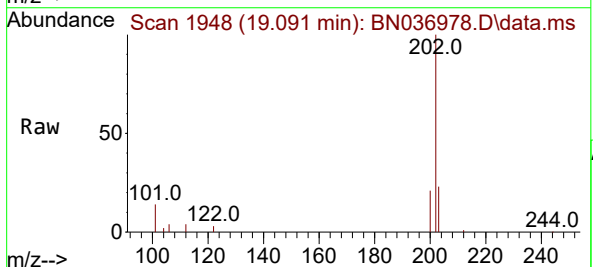
Tgt Ion:202 Resp: 98144

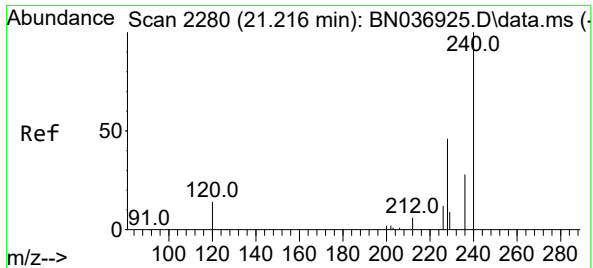
Ion Ratio Lower Upper

202 100

101 14.0 8.5 12.7#

203 21.1 13.7 20.5#





#29

Chrysene-d12

Concen: 0.400 ng

RT: 21.215 min Scan# 21

Delta R.T. -0.000 min

Lab File: BN036978.D

Acq: 08 May 2025 18:05

Instrument :

BNA_N

ClientSampleId :

GB3B

Tgt Ion:240 Resp: 6890

Ion Ratio Lower Upper

240 100

120 21.4 14.1 21.1

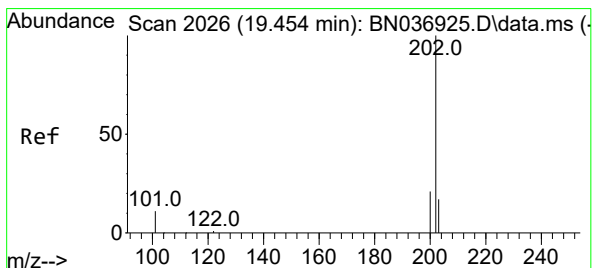
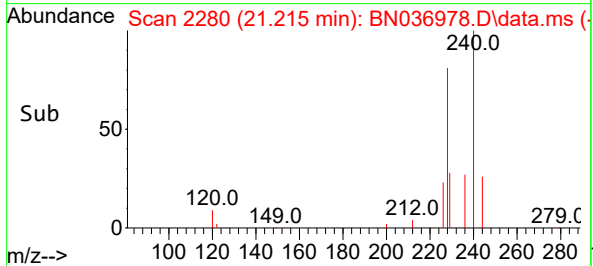
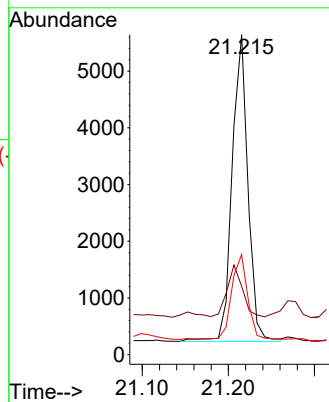
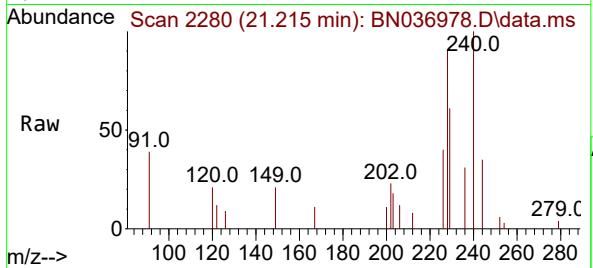
236 31.2 23.8 35.8

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 05/09/2025

Supervised By :Jagrut Upadhyay 05/09/2025



#30

Pyrene

Concen: 4.839 ng

RT: 19.453 min Scan# 2026

Delta R.T. -0.000 min

Lab File: BN036978.D

Acq: 08 May 2025 18:05

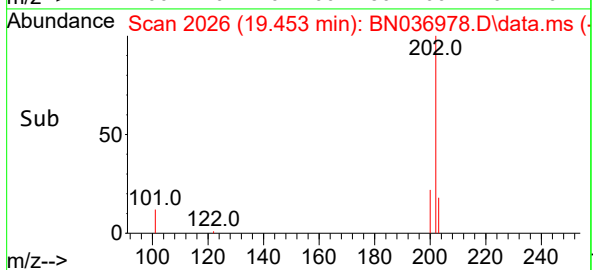
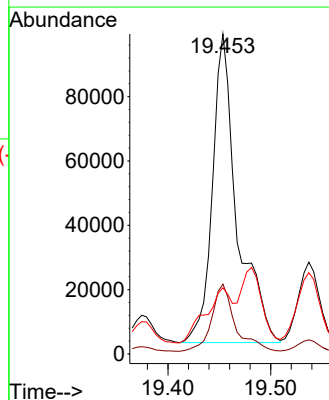
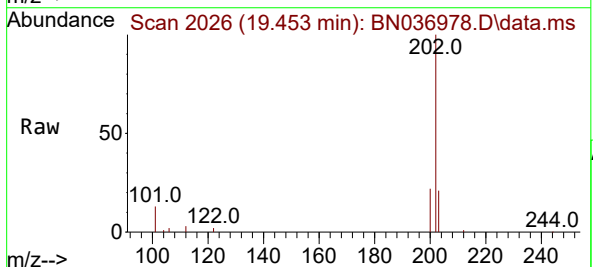
Tgt Ion:202 Resp: 160708

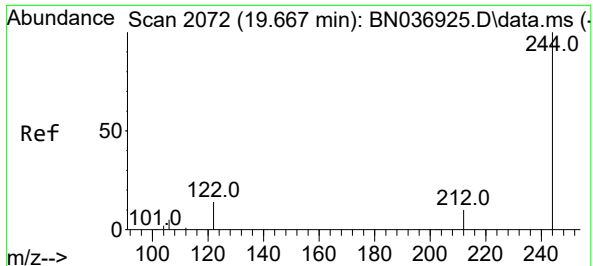
Ion Ratio Lower Upper

202 100

200 20.5 17.0 25.6

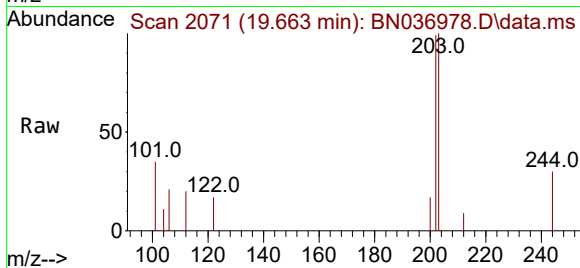
203 18.8 14.0 21.0





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

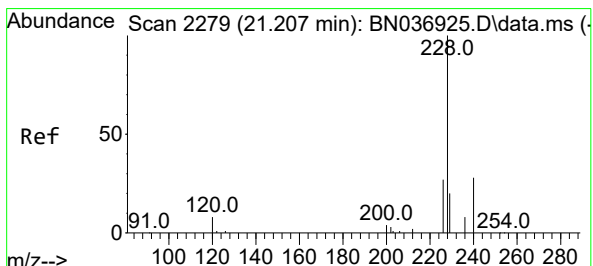
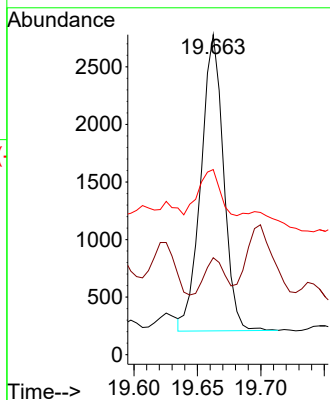
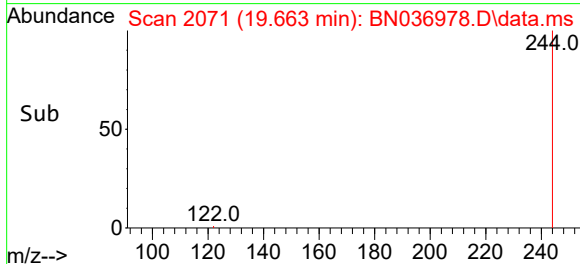
Instrument :
BNA_N
ClientSampleId :
GB3B



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

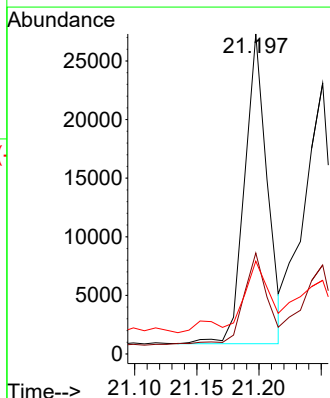
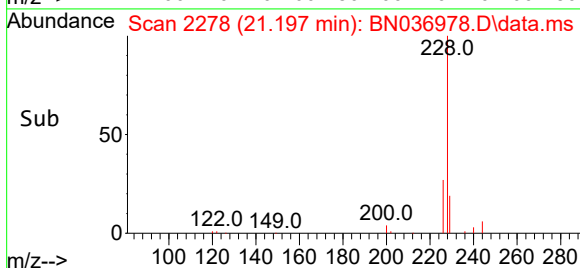
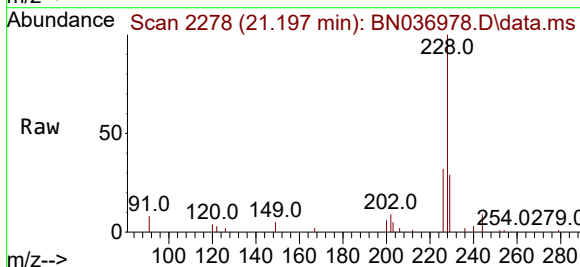
Manual Integrations
APPROVED

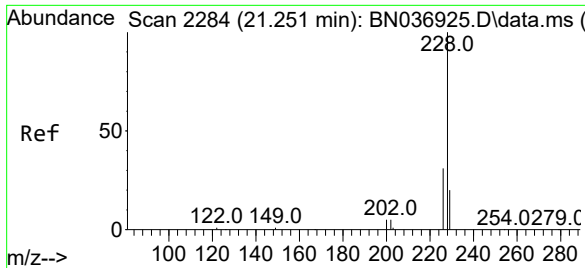
Reviewed By :Rahul Chavli 05/09/2025
Supervised By :Jagrut Upadhyay 05/09/2025



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

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





#33

Chrysene

Concen: 1.286 ng

RT: 21.251 min Scan# 21

Delta R.T. -0.000 min

Lab File: BN036978.D

Acq: 08 May 2025 18:05

Instrument :

BNA_N

ClientSampleId :

GB3B

Tgt Ion:228 Resp: 3522

Ion Ratio Lower Upper

228 100

226 32.8 25.5 38.3

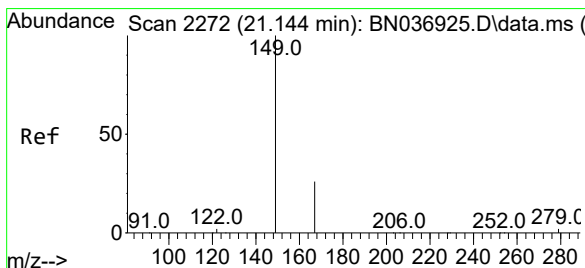
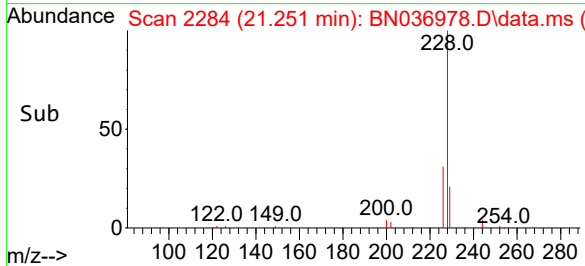
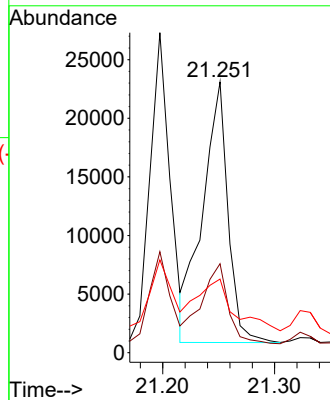
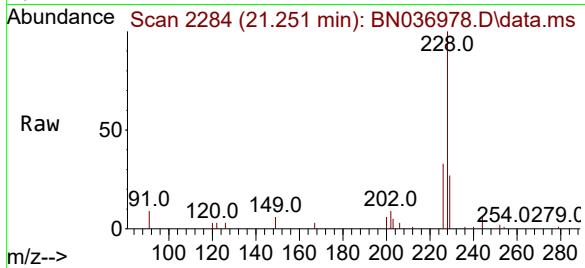
229 27.2 16.5 24.7

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 05/09/2025

Supervised By :Jagrut Upadhyay 05/09/2025



#34

Bis(2-ethylhexyl)phthalate

Concen: 0.234 ng

RT: 21.144 min Scan# 2272

Delta R.T. -0.000 min

Lab File: BN036978.D

Acq: 08 May 2025 18:05

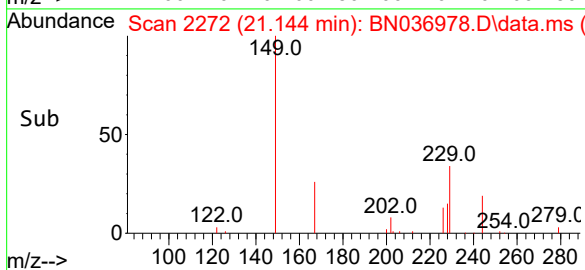
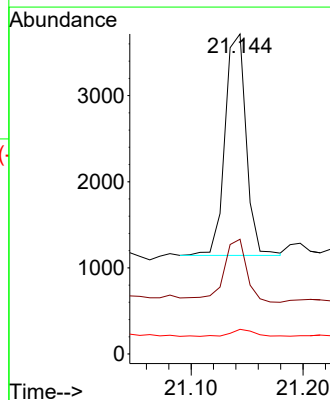
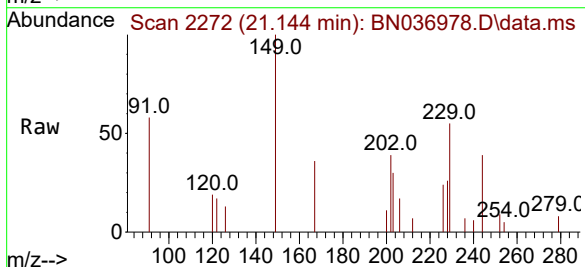
Tgt Ion:149 Resp: 3374

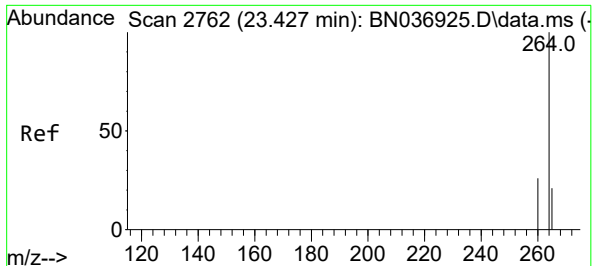
Ion Ratio Lower Upper

149 100

167 31.2 21.0 31.6

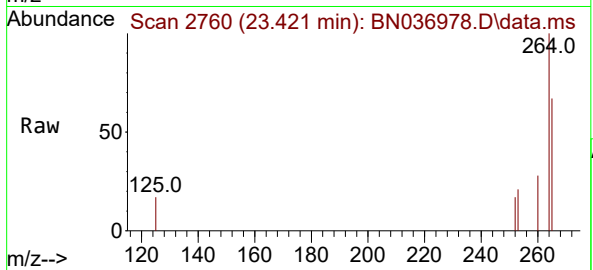
279 3.5 2.7 4.1





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

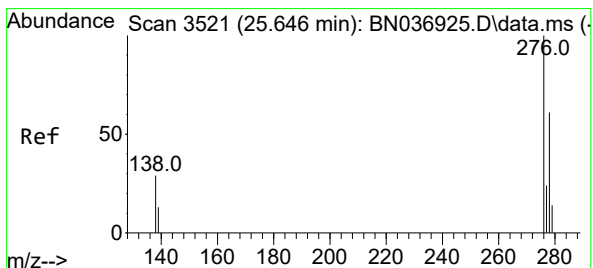
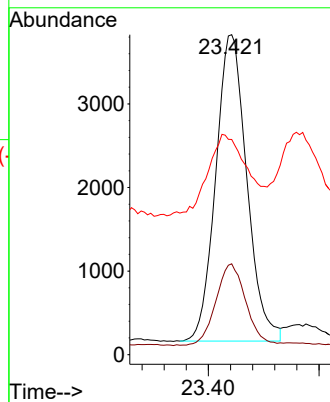
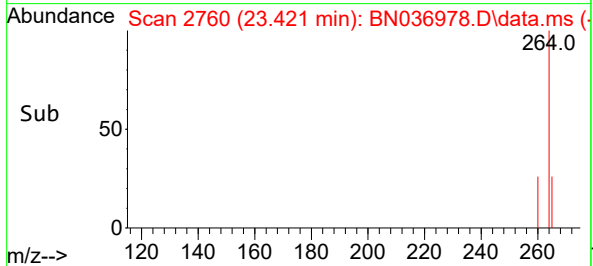
Instrument :
BNA_N
ClientSampleId :
GB3B



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

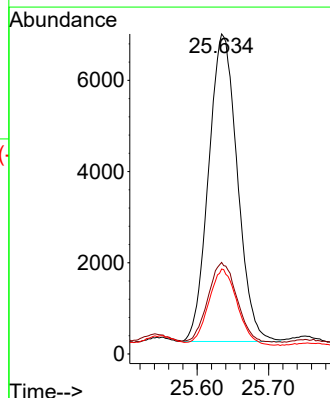
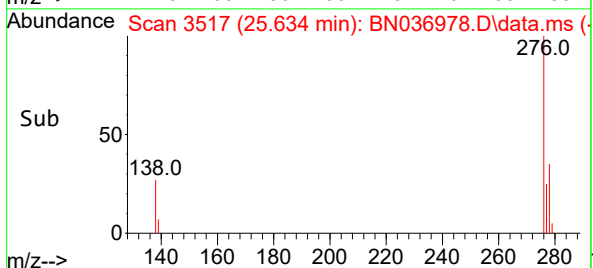
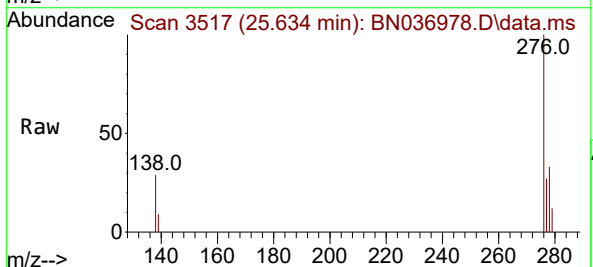
Manual Integrations
APPROVED

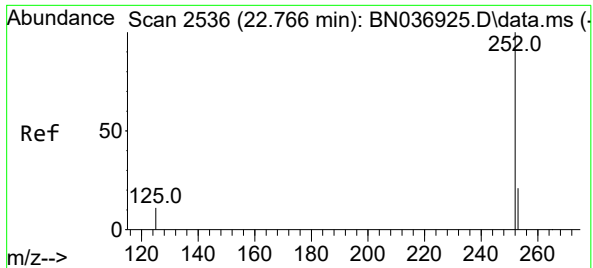
Reviewed By :Rahul Chavli 05/09/2025
Supervised By :Jagrut Upadhyay 05/09/2025



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

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





#37

Benzo(b)fluoranthene

Concen: 1.234 ng

RT: 22.760 min Scan# 2536

Delta R.T. -0.006 min

Lab File: BN036978.D

Acq: 08 May 2025 18:05

Instrument :

BNA_N

ClientSampleId :

GB3B

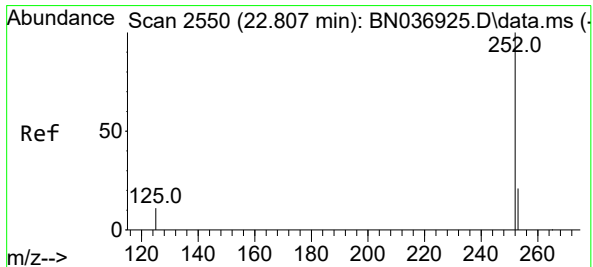
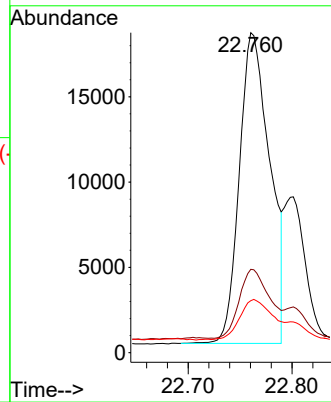
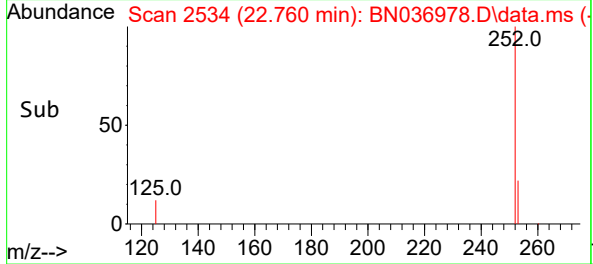
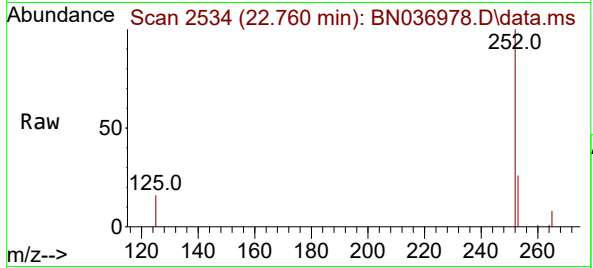
Tgt Ion:	252	Resp:	3710
Ion Ratio	Lower	Upper	
252	100		
253	26.0	22.1	33.1
125	16.3	14.2	21.2

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 05/09/2025

Supervised By :Jagrut Upadhyay 05/09/2025



#38

Benzo(k)fluoranthene

Concen: 0.398 ng m

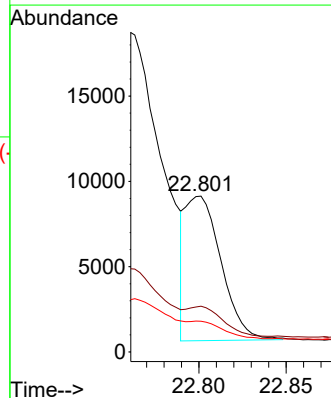
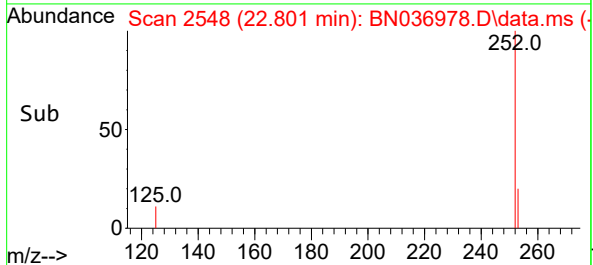
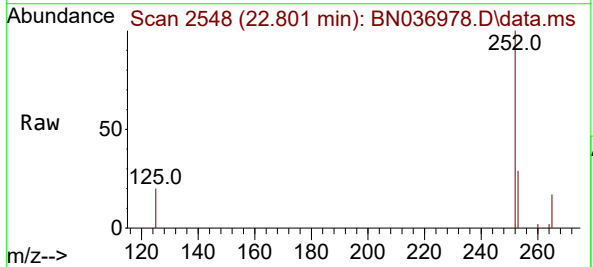
RT: 22.801 min Scan# 2548

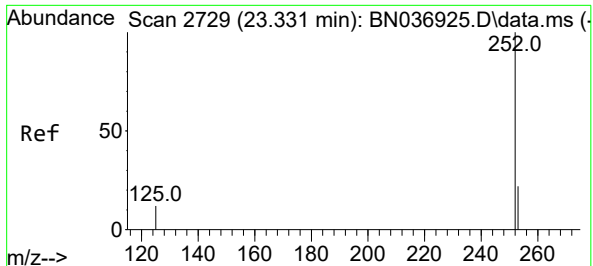
Delta R.T. -0.006 min

Lab File: BN036978.D

Acq: 08 May 2025 18:05

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





#39

Benzo(a)pyrene

Concen: 1.304 ng m

RT: 23.325 min Scan# 21

Delta R.T. -0.006 min

Lab File: BN036978.D

Acq: 08 May 2025 18:05

Instrument :

BNA_N

ClientSampleId :

GB3B

Tgt Ion:252 Resp: 3223

Ion Ratio Lower Upper

252 100

253 25.3 25.9 38.9

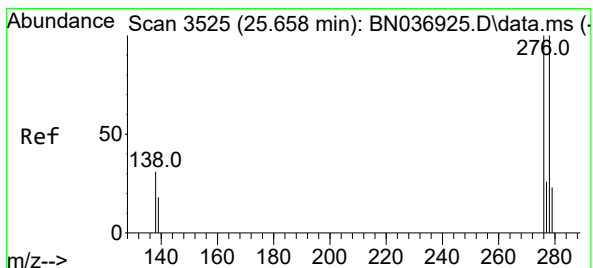
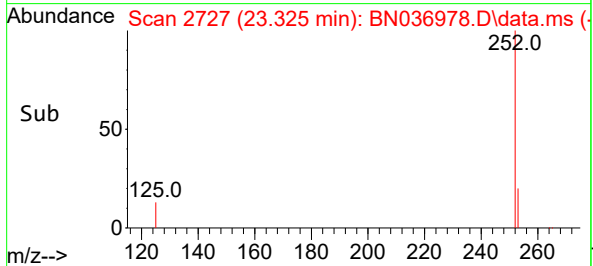
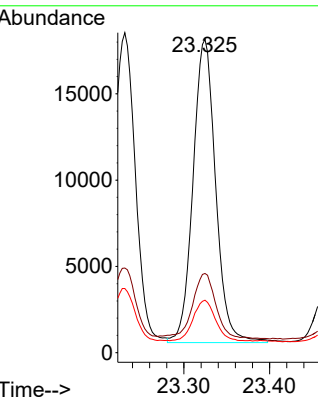
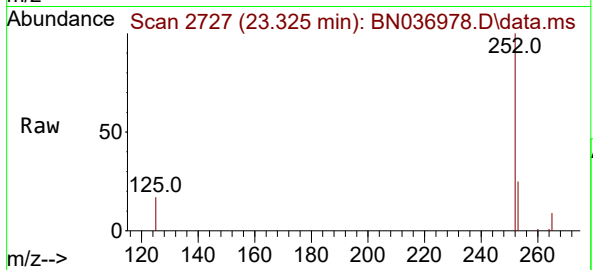
125 16.8 17.4 26.0

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 05/09/2025

Supervised By :Jagrut Upadhyay 05/09/2025



#40

Dibenzo(a,h)anthracene

Concen: 0.314 ng

RT: 25.634 min Scan# 3517

Delta R.T. -0.024 min

Lab File: BN036978.D

Acq: 08 May 2025 18:05

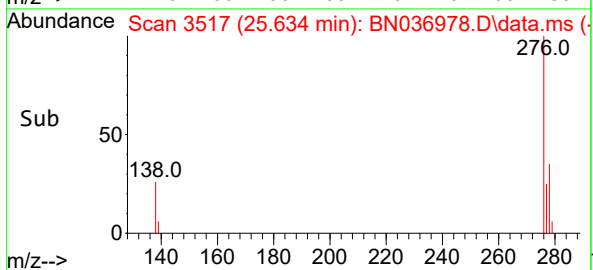
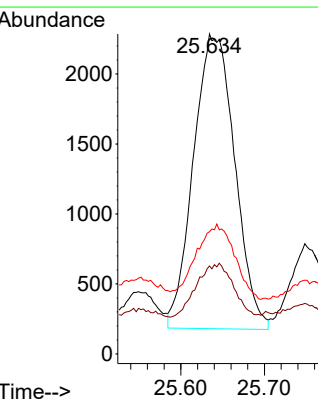
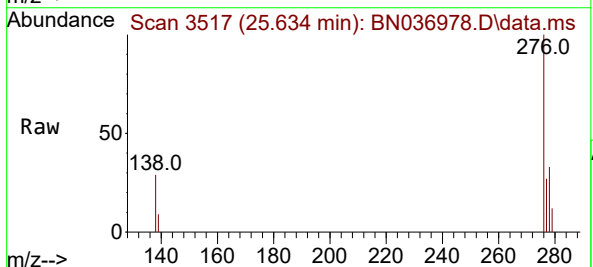
Tgt Ion:278 Resp: 7215

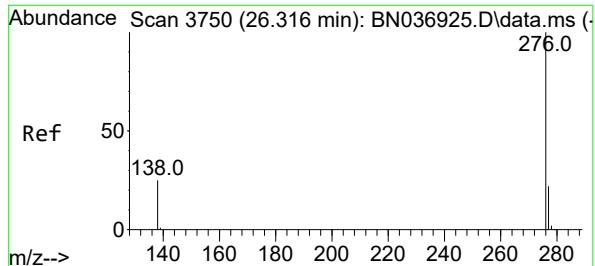
Ion Ratio Lower Upper

278 100

139 27.5 17.4 26.2#

279 38.2 24.9 37.3#





#41

Benzo(g,h,i)perylene

Concen: 0.955 ng

RT: 26.313 min Scan# 31

Delta R.T. -0.003 min

Lab File: BN036978.D

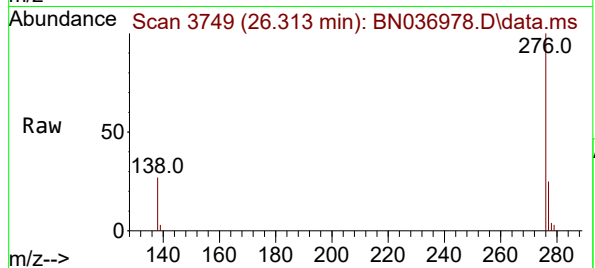
Acq: 08 May 2025 18:05

Instrument :

BNA_N

ClientSampleId :

GB3B



Tgt Ion:276 Resp: 24364

Ion Ratio Lower Upper

276 100

277 24.9 20.2 30.2

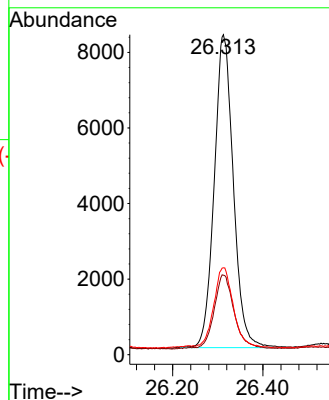
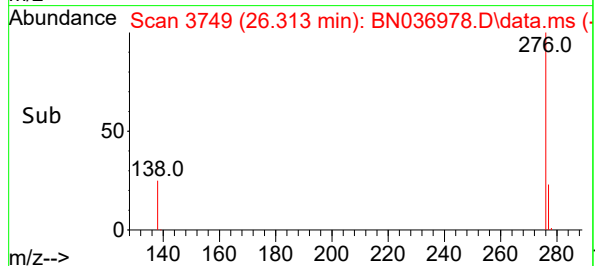
138 27.2 21.9 32.9

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 05/09/2025

Supervised By :Jagrut Upadhyay 05/09/2025



Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN050825\
Data File : BN036973.D
Acq On : 08 May 2025 15:04
Operator : RC/JU
Sample : PB167915BL
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
PB167915BL

Quant Time: May 08 15:33:27 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN042825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Apr 28 15:35:03 2025
Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.625	152	1580	0.400	ng	0.00
7) Naphthalene-d8	10.415	136	3771	0.400	ng	# 0.00
13) Acenaphthene-d10	14.277	164	2026	0.400	ng	0.00
19) Phenanthrene-d10	17.021	188	4065	0.400	ng	0.00
29) Chrysene-d12	21.215	240	3603	0.400	ng	0.00
35) Perylene-d12	23.421	264	3531	0.400	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.220	112	1378	0.341	ng	0.00
5) Phenol-d6	6.809	99	1504	0.302	ng	0.00
8) Nitrobenzene-d5	8.781	82	1245	0.316	ng	0.00
11) 2-Methylnaphthalene-d10	12.016	152	1668	0.316	ng	0.00
14) 2,4,6-Tribromophenol	15.780	330	206	0.228	ng	0.01
15) 2-Fluorobiphenyl	12.904	172	3042	0.311	ng	0.00
27) Fluoranthene-d10	19.059	212	3843	0.365	ng	0.00
31) Terphenyl-d14	19.663	244	2733	0.321	ng	0.00

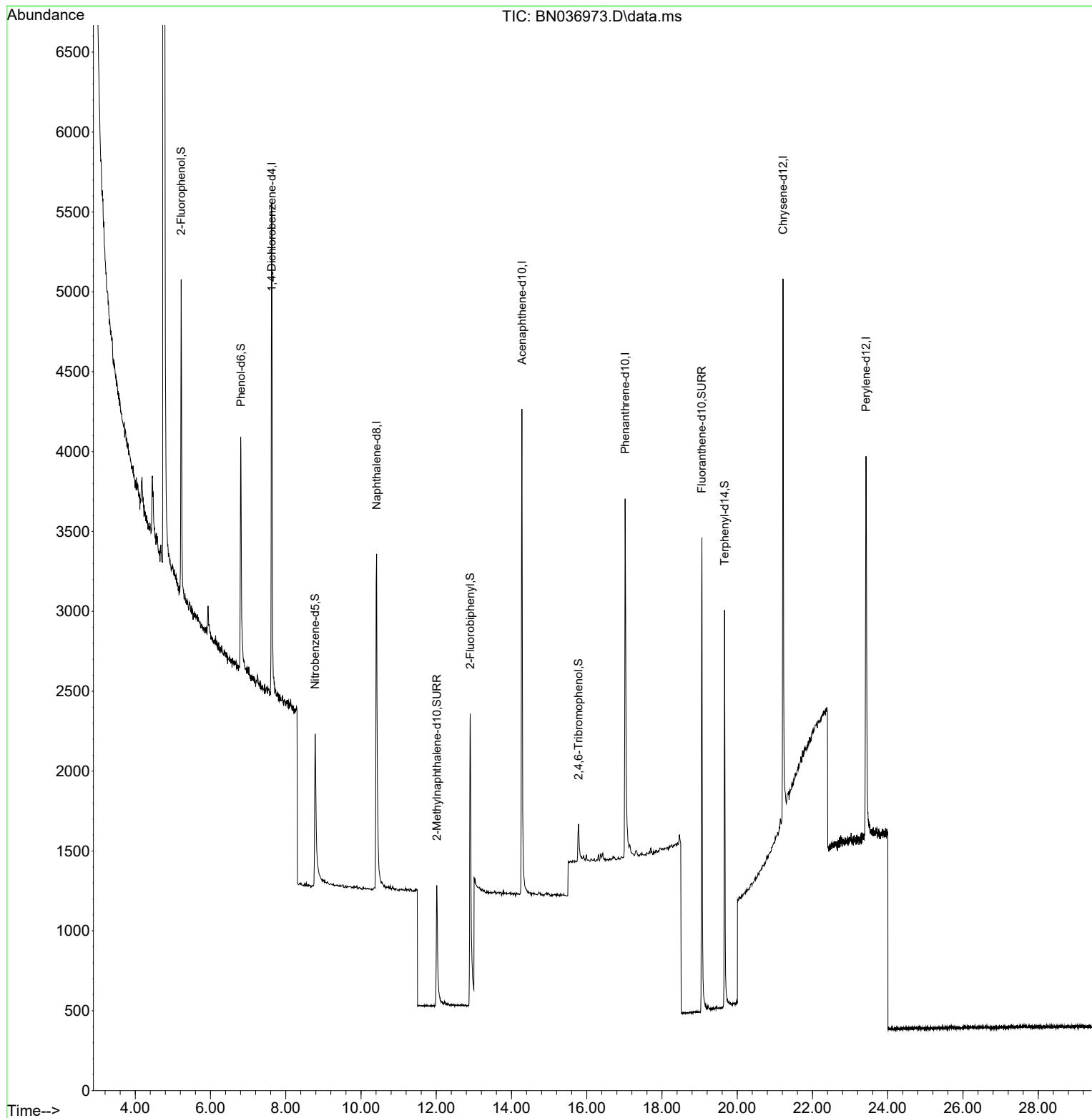
Target Compounds	Qvalue
-----	-----

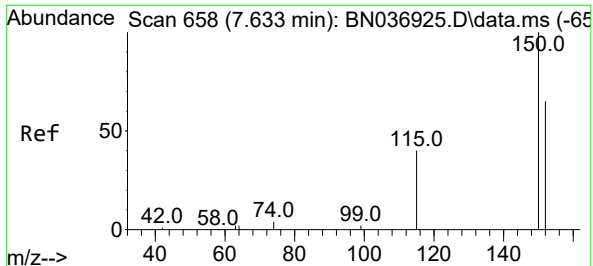
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN050825\
Data File : BN036973.D
Acq On : 08 May 2025 15:04
Operator : RC/JU
Sample : PB167915BL
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
PB167915BL

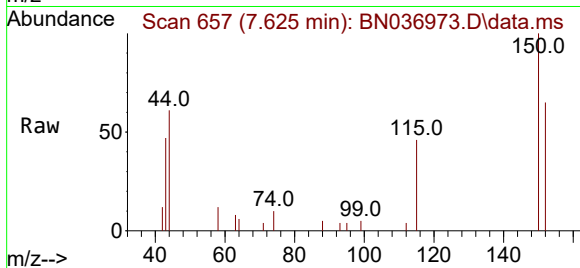
Quant Time: May 08 15:33:27 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN042825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Apr 28 15:35:03 2025
Response via : Initial Calibration



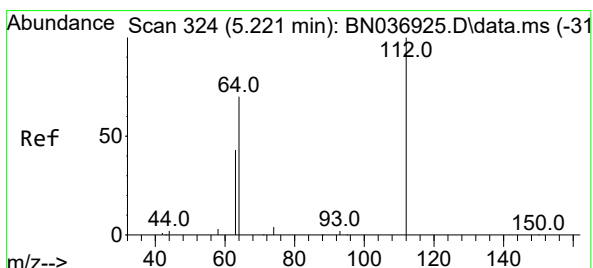
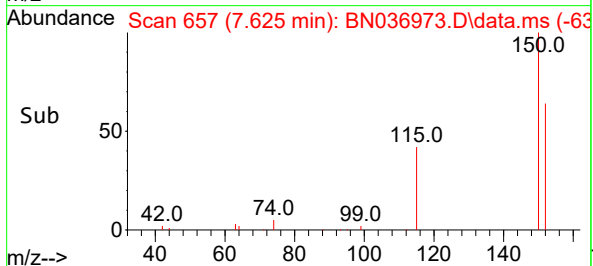
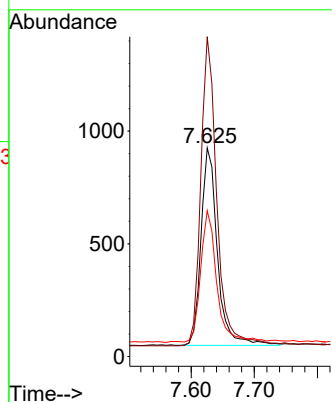


#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.625 min Scan# 61
Delta R.T. -0.008 min
Lab File: BN036973.D
Acq: 08 May 2025 15:04

Instrument :
BNA_N
ClientSampleId :
PB167915BL

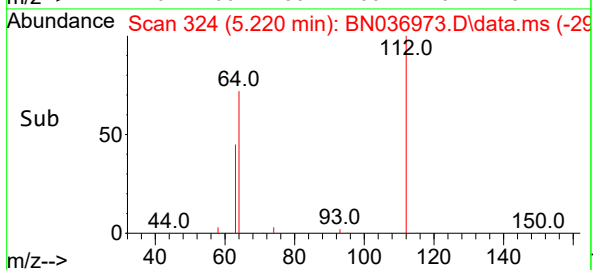
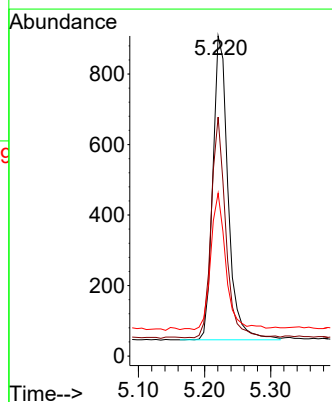
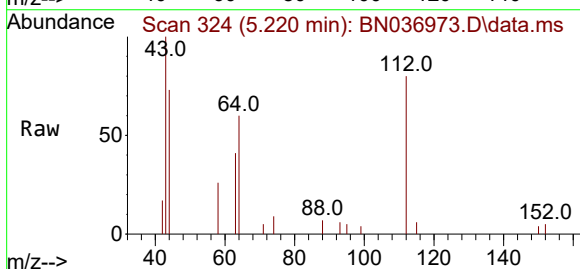


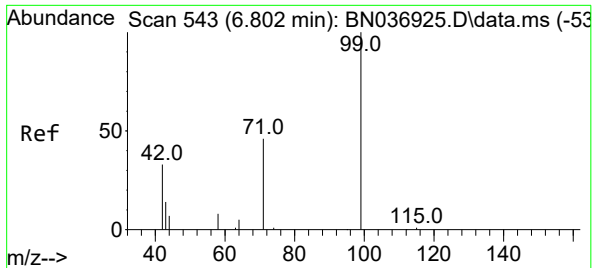
Tgt Ion:152 Resp: 1580
Ion Ratio Lower Upper
152 100
150 153.2 121.1 181.7
115 69.9 51.8 77.6



#4
2-Fluorophenol
Concen: 0.341 ng
RT: 5.220 min Scan# 324
Delta R.T. -0.000 min
Lab File: BN036973.D
Acq: 08 May 2025 15:04

Tgt Ion:112 Resp: 1378
Ion Ratio Lower Upper
112 100
64 69.4 55.7 83.5
63 43.0 33.9 50.9

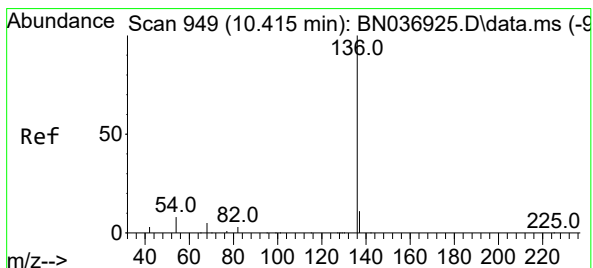
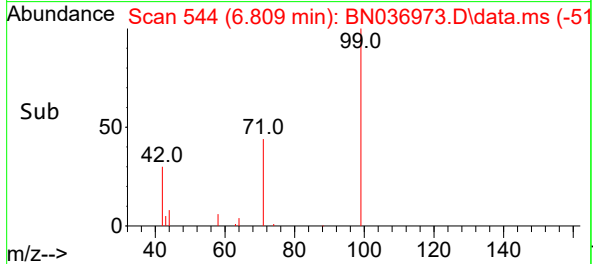
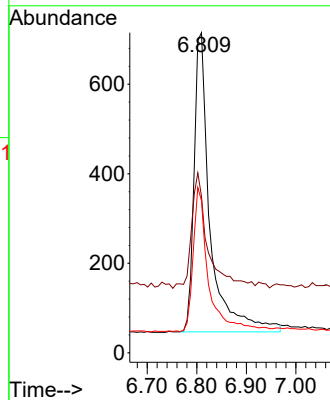
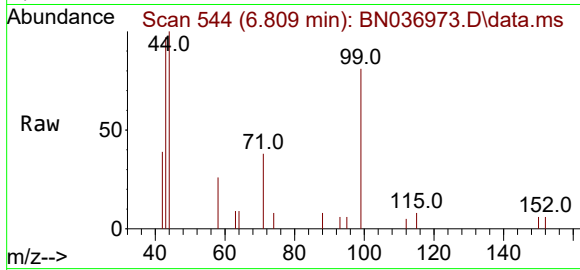




#5
Phenol-d6
Concen: 0.302 ng
RT: 6.809 min Scan# 543
Delta R.T. 0.007 min
Lab File: BN036973.D
Acq: 08 May 2025 15:04

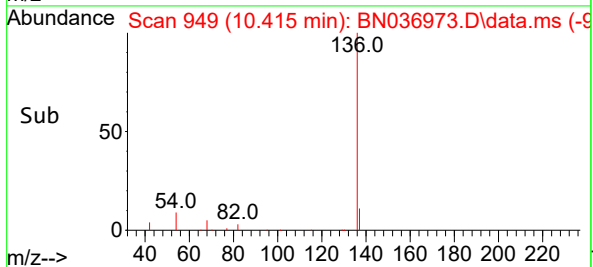
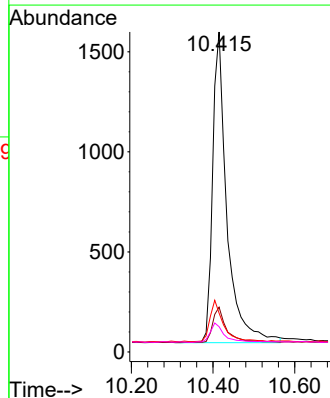
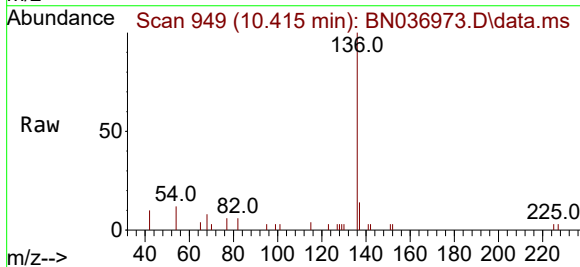
Instrument :
BNA_N
ClientSampleId :
PB167915BL

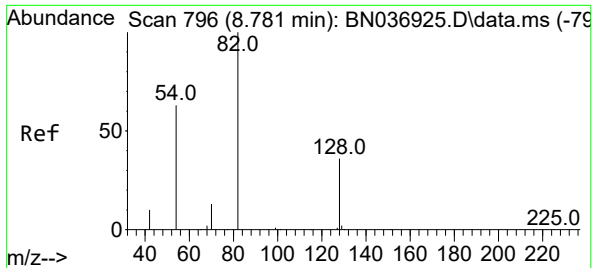
Tgt Ion:	99	Resp:	1504
Ion	Ratio	Lower	Upper
99	100		
42	39.2	29.6	44.4
71	45.9	36.0	54.0



#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.415 min Scan# 949
Delta R.T. -0.000 min
Lab File: BN036973.D
Acq: 08 May 2025 15:04

Tgt Ion:	136	Resp:	3771
Ion	Ratio	Lower	Upper
136	100		
137	14.0	9.7	14.5
54	12.1	8.0	12.0#
68	7.9	5.1	7.7#

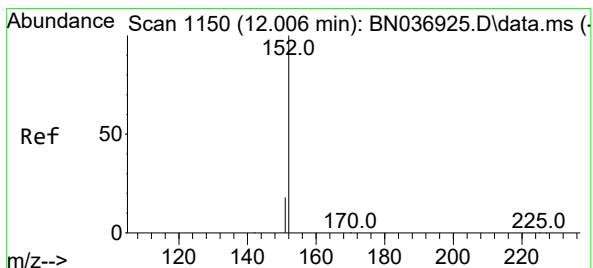
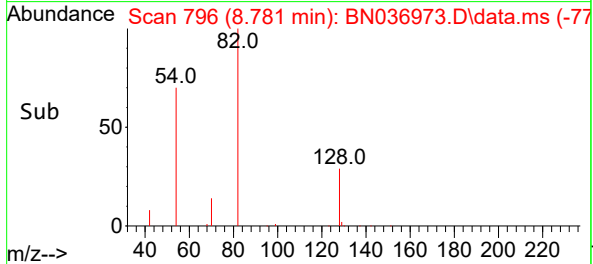
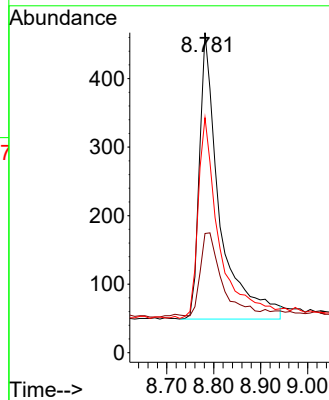
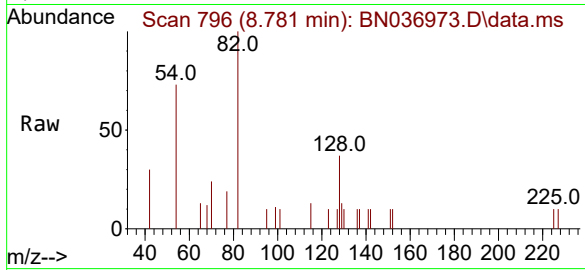




#8
Nitrobenzene-d5
Concen: 0.316 ng
RT: 8.781 min Scan# 796
Delta R.T. -0.000 min
Lab File: BN036973.D
Acq: 08 May 2025 15:04

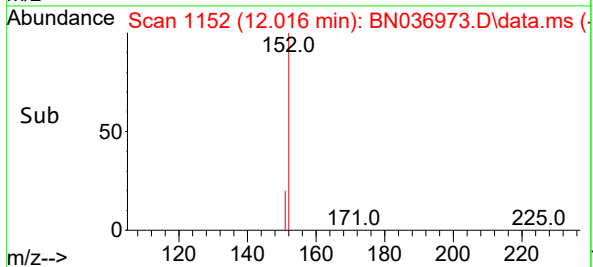
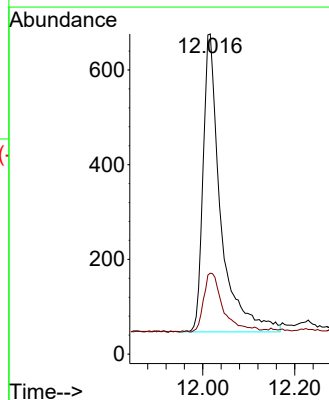
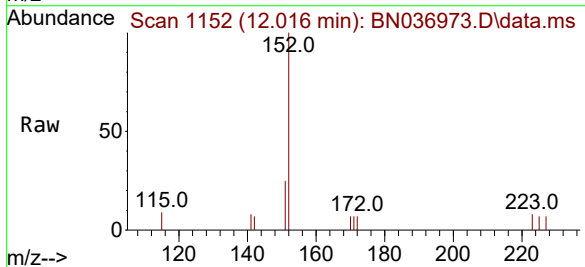
Instrument :
BNA_N
ClientSampleId :
PB167915BL

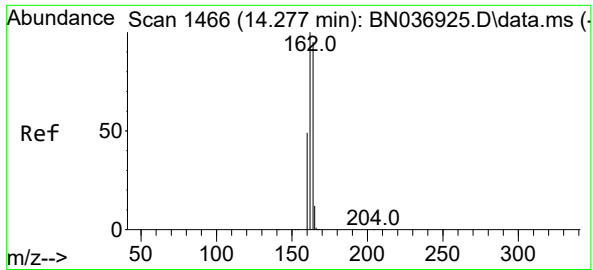
Tgt Ion: 82 Resp: 1245
Ion Ratio Lower Upper
82 100
128 37.3 30.7 46.1
54 73.4 52.1 78.1



#11
2-Methylnaphthalene-d10
Concen: 0.316 ng
RT: 12.016 min Scan# 1152
Delta R.T. 0.010 min
Lab File: BN036973.D
Acq: 08 May 2025 15:04

Tgt Ion: 152 Resp: 1668
Ion Ratio Lower Upper
152 100
151 21.8 16.9 25.3

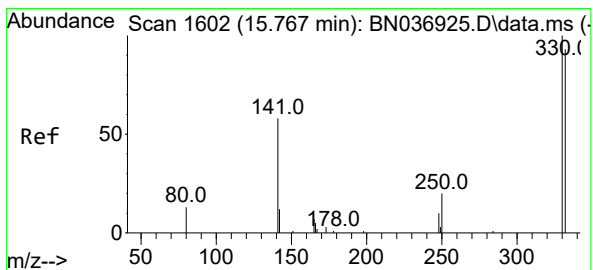
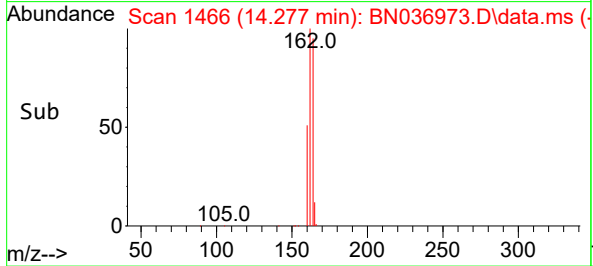
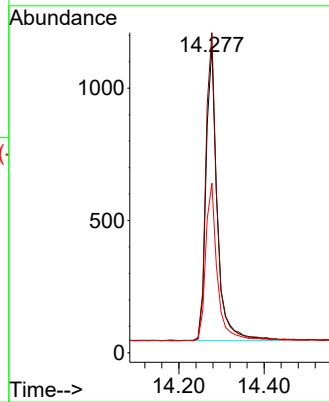
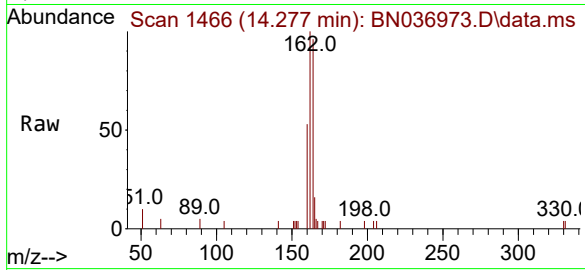




#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.277 min Scan# 1466
Delta R.T. -0.000 min
Lab File: BN036973.D
Acq: 08 May 2025 15:04

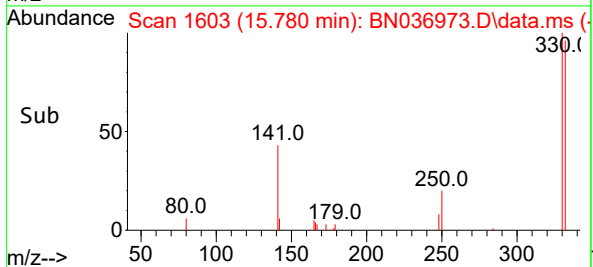
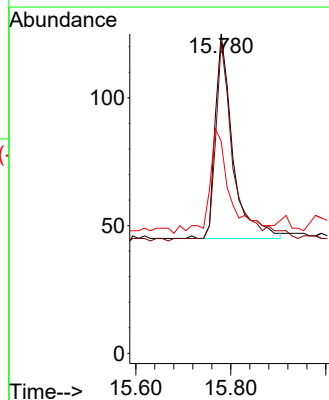
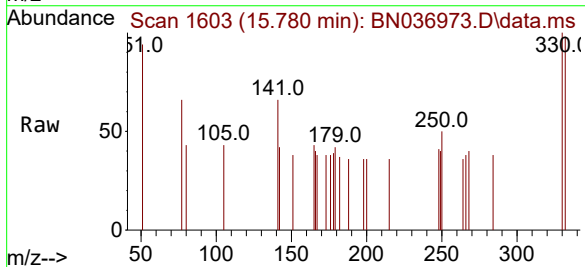
Instrument :
BNA_N
ClientSampleId :
PB167915BL

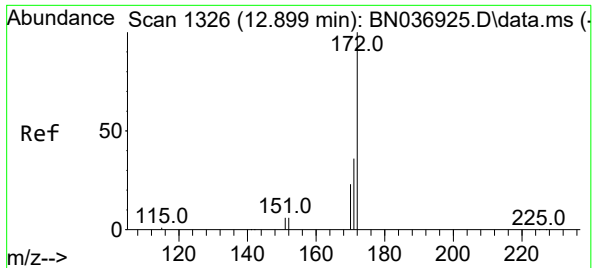
Tgt Ion:	164	Resp:	2026
Ion	Ratio	Lower	Upper
164	100		
162	104.5	83.8	125.8
160	55.4	42.0	63.0



#14
2,4,6-Tribromophenol
Concen: 0.228 ng
RT: 15.780 min Scan# 1603
Delta R.T. 0.012 min
Lab File: BN036973.D
Acq: 08 May 2025 15:04

Tgt Ion:	330	Resp:	206
Ion	Ratio	Lower	Upper
330	100		
332	92.2	76.3	114.5
141	59.2	45.4	68.2

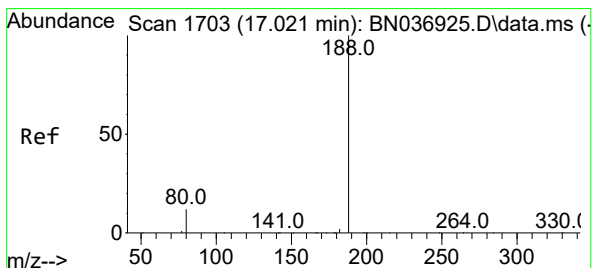
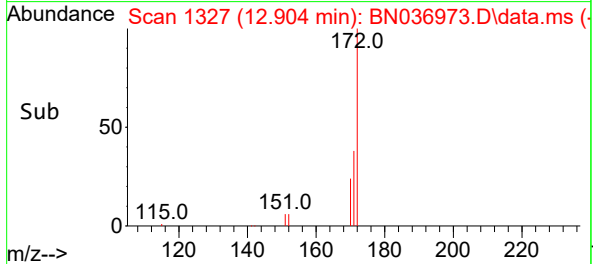
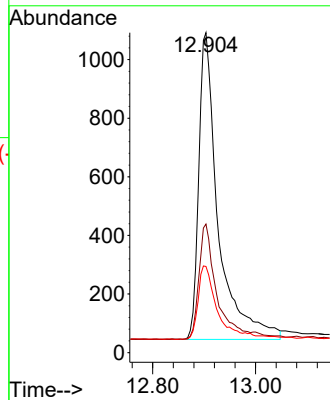
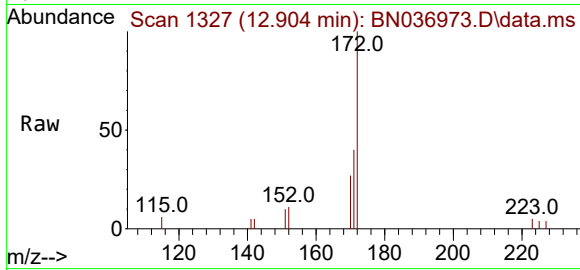




#15
2-Fluorobiphenyl
Concen: 0.311 ng
RT: 12.904 min Scan# 11
Delta R.T. 0.005 min
Lab File: BN036973.D
Acq: 08 May 2025 15:04

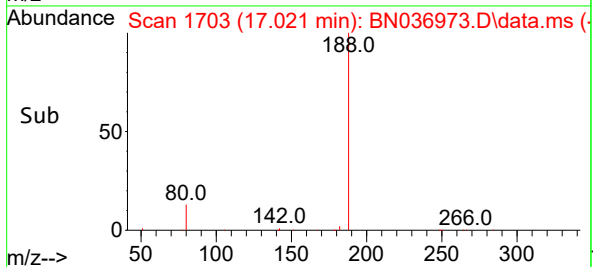
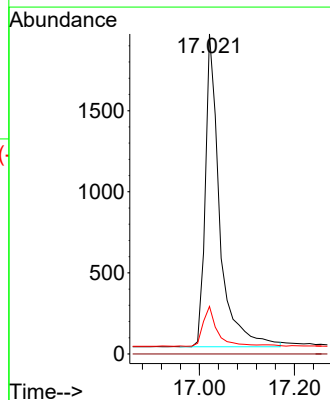
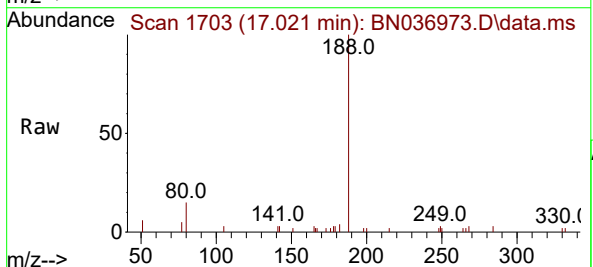
Instrument :
BNA_N
ClientSampleId :
PB167915BL

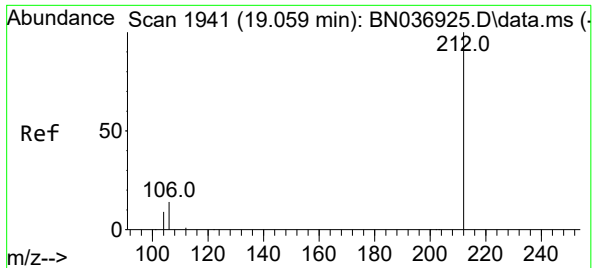
Tgt Ion:172 Resp: 3042
Ion Ratio Lower Upper
172 100
171 40.2 29.4 44.0
170 26.9 19.4 29.0



#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.021 min Scan# 1703
Delta R.T. -0.000 min
Lab File: BN036973.D
Acq: 08 May 2025 15:04

Tgt Ion:188 Resp: 4065
Ion Ratio Lower Upper
188 100
94 0.0 0.0 0.0
80 14.9 10.7 16.1





#27

Fluoranthene-d10

Concen: 0.365 ng

RT: 19.059 min Scan# 1941

Delta R.T. -0.000 min

Lab File: BN036973.D

Acq: 08 May 2025 15:04

Instrument :

BNA_N

ClientSampleId :

PB167915BL

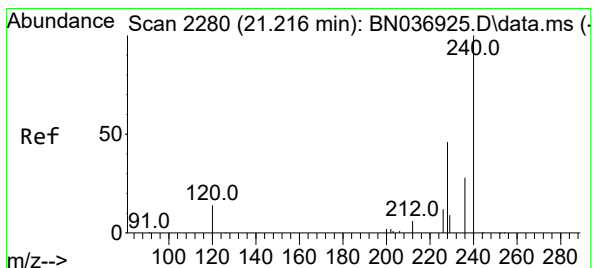
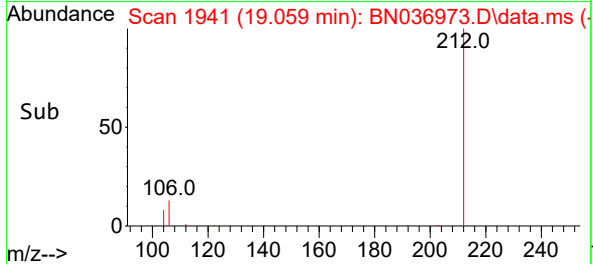
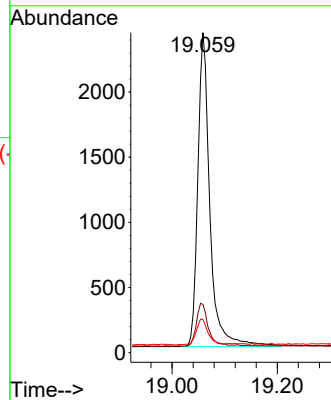
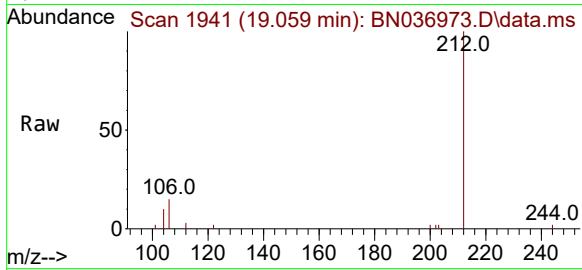
Tgt Ion:212 Resp: 3843

Ion Ratio Lower Upper

212 100

106 13.2 11.6 17.4

104 8.4 7.0 10.4



#29

Chrysene-d12

Concen: 0.400 ng

RT: 21.215 min Scan# 2280

Delta R.T. -0.000 min

Lab File: BN036973.D

Acq: 08 May 2025 15:04

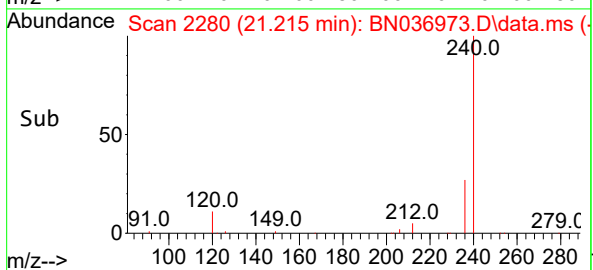
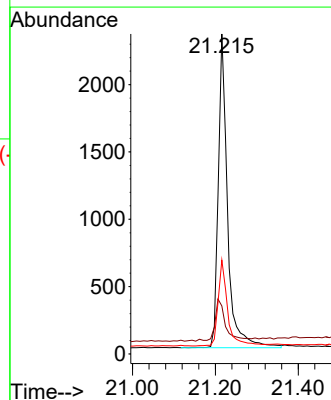
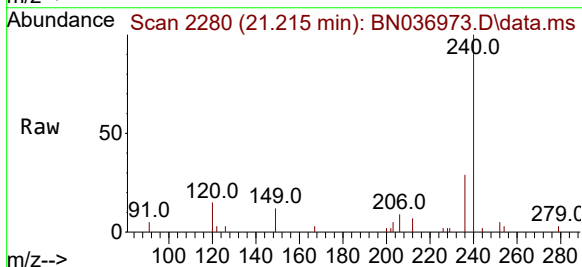
Tgt Ion:240 Resp: 3603

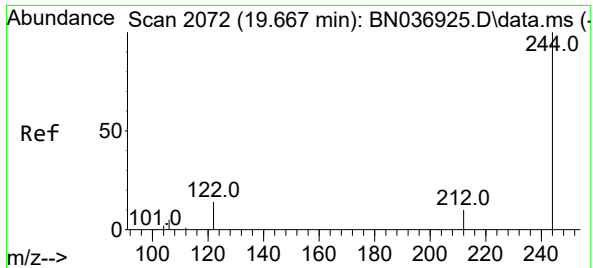
Ion Ratio Lower Upper

240 100

120 15.0 14.1 21.1

236 29.4 23.8 35.8

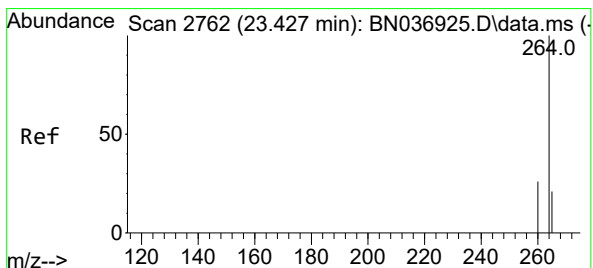
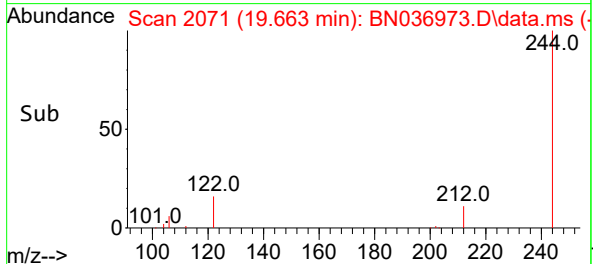
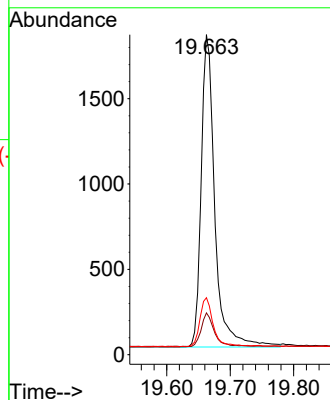
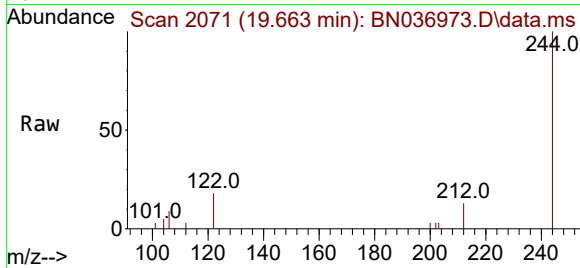




#31
Terphenyl-d14
Concen: 0.321 ng
RT: 19.663 min Scan# 2071
Delta R.T. -0.005 min
Lab File: BN036973.D
Acq: 08 May 2025 15:04

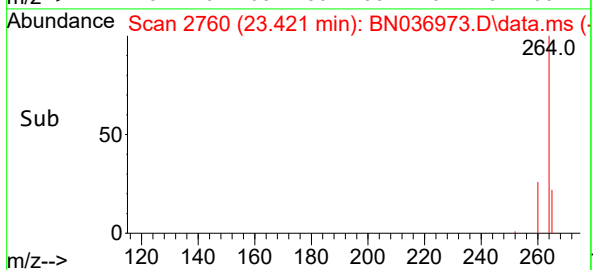
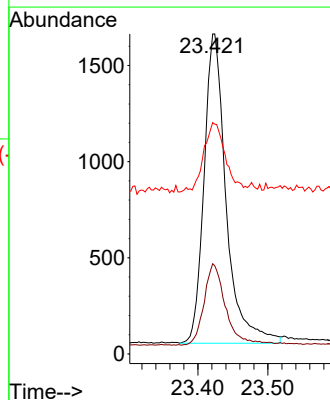
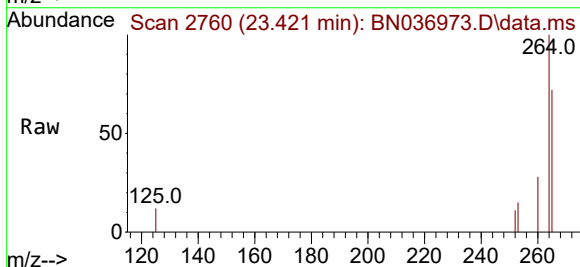
Instrument :
BNA_N
ClientSampleId :
PB167915BL

Tgt Ion:244 Resp: 2733
Ion Ratio Lower Upper
244 100
212 13.1 9.6 14.4
122 17.8 12.7 19.1



#35
Perylene-d12
Concen: 0.400 ng
RT: 23.421 min Scan# 2760
Delta R.T. -0.006 min
Lab File: BN036973.D
Acq: 08 May 2025 15:04

Tgt Ion:264 Resp: 3531
Ion Ratio Lower Upper
264 100
260 28.2 22.2 33.2
265 72.3 65.8 98.6



Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN050825\
 Data File : BN036979.D
 Acq On : 08 May 2025 18:41
 Operator : RC/JU
 Sample : PB167915BS
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 PB167915BS

Quant Time: May 09 09:34:43 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN042825.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Apr 28 15:35:03 2025
 Response via : Initial Calibration

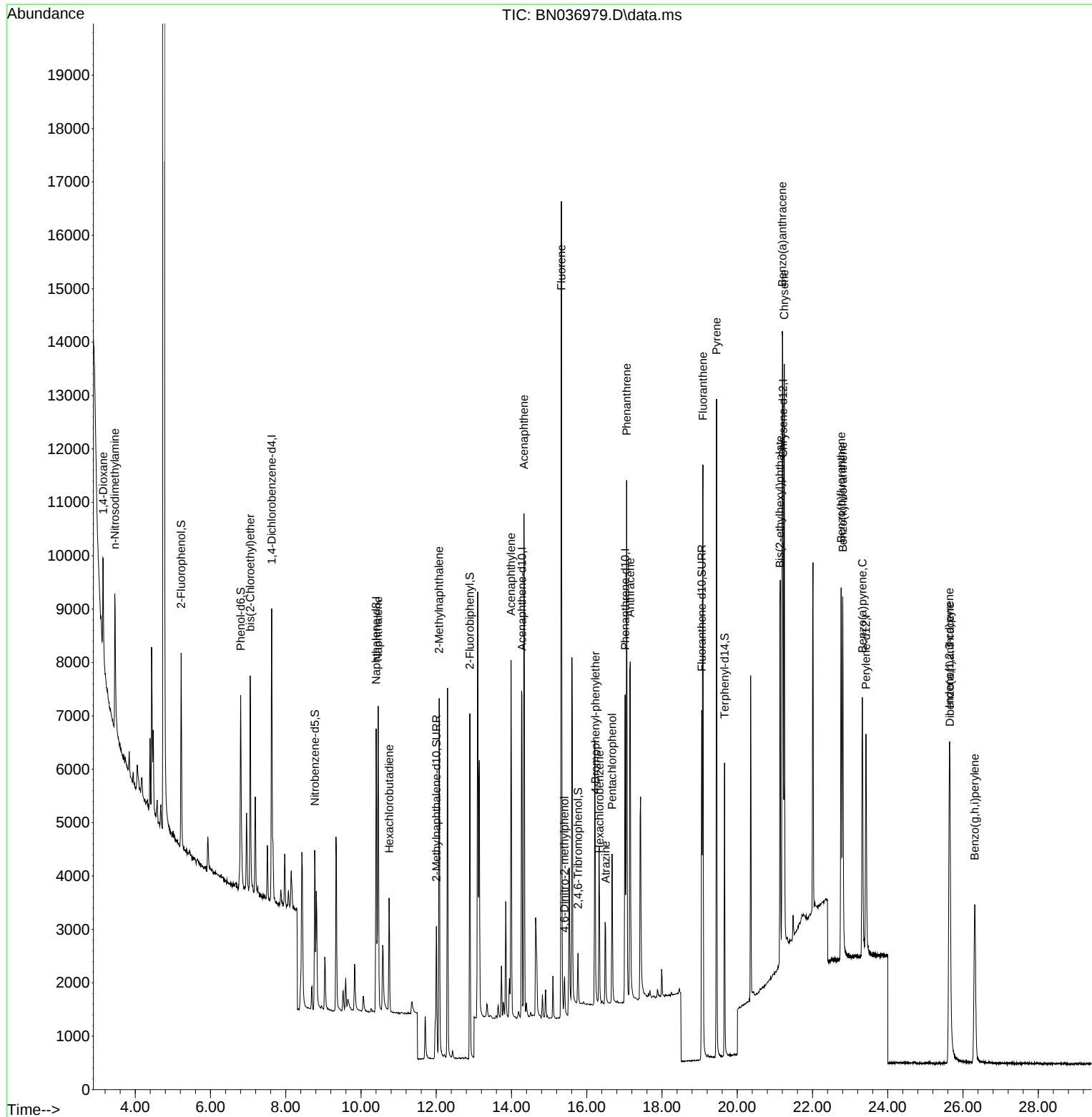
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.626	152	2493	0.400	ng	0.00
7) Naphthalene-d8	10.404	136	6667	0.400	ng	#-0.01
13) Acenaphthene-d10	14.277	164	3772	0.400	ng	0.00
19) Phenanthrene-d10	17.021	188	7644	0.400	ng	# 0.00
29) Chrysene-d12	21.216	240	6261	0.400	ng	# 0.00
35) Perylene-d12	23.421	264	5504	0.400	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.221	112	2481	0.389	ng	0.00
5) Phenol-d6	6.802	99	3035	0.387	ng	0.00
8) Nitrobenzene-d5	8.771	82	2475	0.355	ng	-0.01
11) 2-Methylnaphthalene-d10	12.006	152	4778	0.512	ng	0.00
14) 2,4,6-Tribromophenol	15.767	330	486	0.289	ng	0.00
15) 2-Fluorobiphenyl	12.894	172	6443	0.353	ng	0.00
27) Fluoranthene-d10	19.059	212	7228	0.365	ng	0.00
31) Terphenyl-d14	19.663	244	5366	0.363	ng	0.00
Target Compounds						
2) 1,4-Dioxane	3.148	88	930	0.299	ng	# 28
3) n-Nitrosodimethylamine	3.458	42	2150	0.357	ng	# 94
6) bis(2-Chloroethyl)ether	7.055	93	2923	0.402	ng	99
9) Naphthalene	10.458	128	7408	0.382	ng	100
10) Hexachlorobutadiene	10.746	225	1609	0.383	ng	# 99
12) 2-Methylnaphthalene	12.077	142	4900	0.391	ng	98
16) Acenaphthylene	13.989	152	7034	0.382	ng	100
17) Acenaphthene	14.331	154	4460	0.368	ng	98
18) Fluorene	15.325	166	5786	0.365	ng	100
20) 4,6-Dinitro-2-methylph...	15.411	198	543	0.268	ng	# 80
21) 4-Bromophenyl-phenylether	16.227	248	1776	0.348	ng	94
22) Hexachlorobenzene	16.338	284	2033	0.364	ng	96
23) Atrazine	16.500	200	1563	0.380	ng	98
24) Pentachlorophenol	16.674	266	1278	0.426	ng	98
25) Phenanthrene	17.058	178	9379	0.372	ng	100
26) Anthracene	17.158	178	8525	0.374	ng	99
28) Fluoranthene	19.087	202	10334	0.365	ng	99
30) Pyrene	19.449	202	10737	0.356	ng	100
32) Benzo(a)anthracene	21.198	228	8967	0.389	ng	99
33) Chrysene	21.251	228	9711	0.391	ng	98
34) Bis(2-ethylhexyl)phtha...	21.135	149	5348	0.408	ng	100
36) Indeno(1,2,3-cd)pyrene	25.637	276	7939	0.353	ng	100
37) Benzo(b)fluoranthene	22.760	252	8326	0.360	ng	99
38) Benzo(k)fluoranthene	22.804	252	8759	0.376	ng	99
39) Benzo(a)pyrene	23.325	252	7401	0.389	ng	97
40) Dibenzo(a,h)anthracene	25.652	278	6108	0.345	ng	99
41) Benzo(g,h,i)perylene	26.313	276	6141	0.313	ng	98

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

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN050825\
Data File : BN036979.D
Acq On : 08 May 2025 18:41
Operator : RC/JU
Sample : PB167915BS
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
PB167915BS

Quant Time: May 09 09:34:43 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN042825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Apr 28 15:35:03 2025
Response via : Initial Calibration



Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN050825\
 Data File : BN036975.D
 Acq On : 08 May 2025 16:16
 Operator : RC/JU
 Sample : Q1939-04MS
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 GB2BMS

Quant Time: May 08 16:43:34 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN042825.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Apr 28 15:35:03 2025
 Response via : Initial Calibration

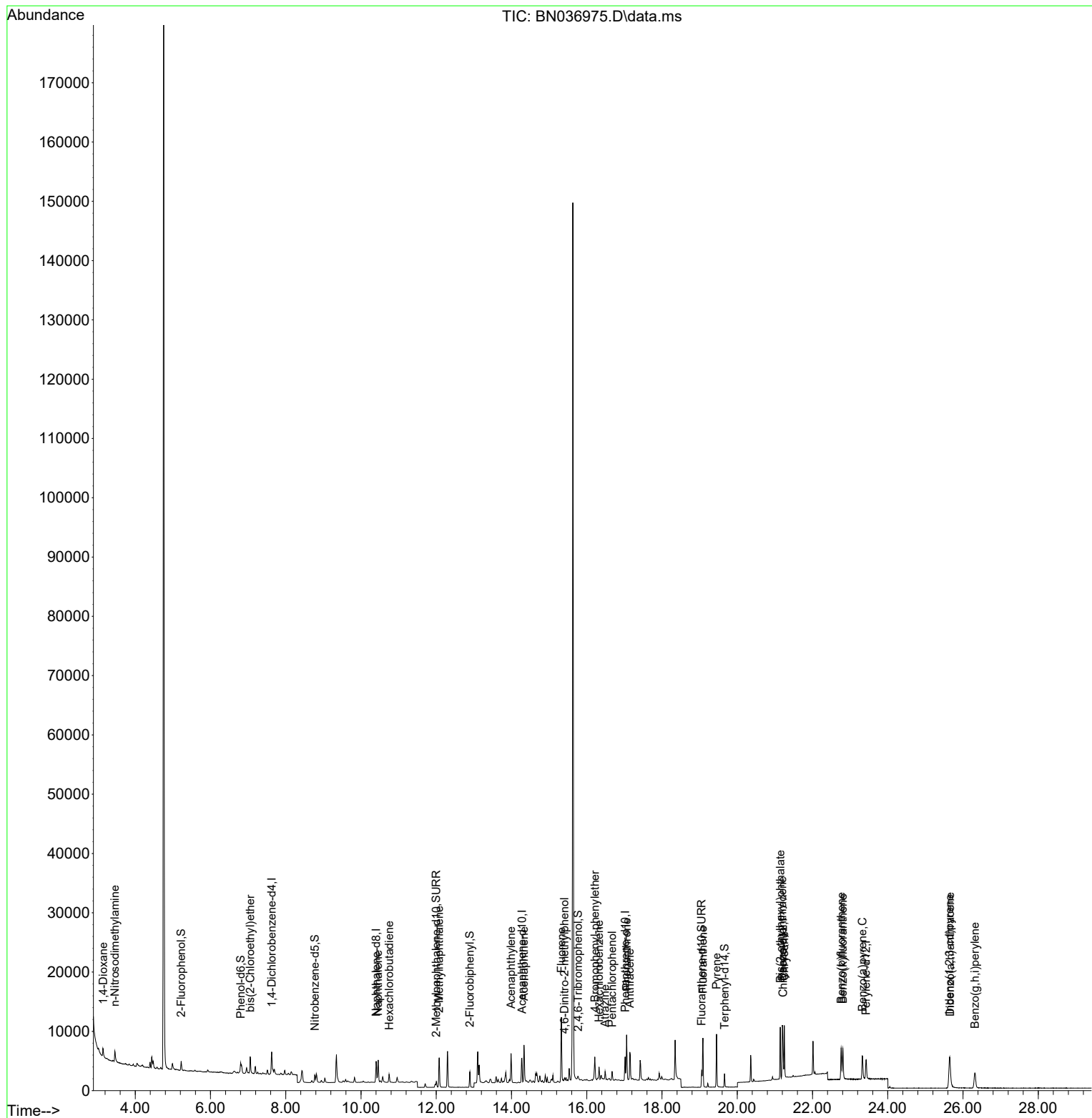
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.625	152	1704	0.400	ng	0.00
7) Naphthalene-d8	10.404	136	4360	0.400	ng	#-0.01
13) Acenaphthene-d10	14.277	164	2385	0.400	ng	0.00
19) Phenanthrene-d10	17.021	188	5063	0.400	ng	# 0.00
29) Chrysene-d12	21.215	240	4471	0.400	ng	# 0.00
35) Perylene-d12	23.424	264	4298	0.400	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.220	112	1017	0.233	ng	0.00
5) Phenol-d6	6.802	99	1298	0.242	ng	0.00
8) Nitrobenzene-d5	8.771	82	1005	0.220	ng	-0.01
11) 2-Methylnaphthalene-d10	12.001	152	1345	0.221	ng	0.00
14) 2,4,6-Tribromophenol	15.767	330	238	0.224	ng	0.00
15) 2-Fluorobiphenyl	12.893	172	2233	0.194	ng	0.00
27) Fluoranthene-d10	19.054	212	3006	0.229	ng	0.00
31) Terphenyl-d14	19.663	244	2092	0.198	ng	0.00
Target Compounds						
2) 1,4-Dioxane	3.148	88	719	0.339	ng	# 11
3) n-Nitrosodimethylamine	3.458	42	1767	0.429	ng	90
6) bis(2-Chloroethyl)ether	7.055	93	1918	0.386	ng	99
9) Naphthalene	10.458	128	4753	0.375	ng	100
10) Hexachlorobutadiene	10.746	225	1025	0.373	ng	# 98
12) 2-Methylnaphthalene	12.077	142	3444	0.420	ng	99
16) Acenaphthylene	13.989	152	4556	0.391	ng	97
17) Acenaphthene	14.331	154	2973	0.388	ng	98
18) Fluorene	15.325	166	4067	0.406	ng	99
20) 4,6-Dinitro-2-methylph...	15.410	198	432	0.322	ng	# 73
21) 4-Bromophenyl-phenylether	16.214	248	1264	0.374	ng	# 67
22) Hexachlorobenzene	16.326	284	1266	0.342	ng	96
23) Atrazine	16.487	200	1110	0.407	ng	# 92
24) Pentachlorophenol	16.673	266	623	0.314	ng	98
25) Phenanthrene	17.058	178	7313	0.438	ng	99
26) Anthracene	17.145	178	5839	0.386	ng	99
28) Fluoranthene	19.087	202	7262	0.388	ng	99
30) Pyrene	19.449	202	7672	0.356	ng	99
32) Benzo(a)anthracene	21.198	228	6467	0.393	ng	98
33) Chrysene	21.251	228	7045	0.397	ng	99
34) Bis(2-ethylhexyl)phtha...	21.144	149	6904	0.737	ng	99
36) Indeno(1,2,3-cd)pyrene	25.637	276	6779	0.386	ng	99
37) Benzo(b)fluoranthene	22.760	252	6538	0.362	ng	98
38) Benzo(k)fluoranthene	22.807	252	6781	0.373	ng	100
39) Benzo(a)pyrene	23.328	252	5810	0.391	ng	96
40) Dibenzo(a,h)anthracene	25.655	278	5158	0.373	ng	99
41) Benzo(g,h,i)perylene	26.318	276	5341	0.348	ng	98

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

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN050825\
Data File : BN036975.D
Acq On : 08 May 2025 16:16
Operator : RC/JU
Sample : Q1939-04MS
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
GB2BMS

Quant Time: May 08 16:43:34 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN042825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Apr 28 15:35:03 2025
Response via : Initial Calibration



Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN050825\
 Data File : BN036976.D
 Acq On : 08 May 2025 16:53
 Operator : RC/JU
 Sample : Q1939-04MSD
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 GB2BMSD

Quant Time: May 08 18:27:44 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN042825.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Apr 28 15:35:03 2025
 Response via : Initial Calibration

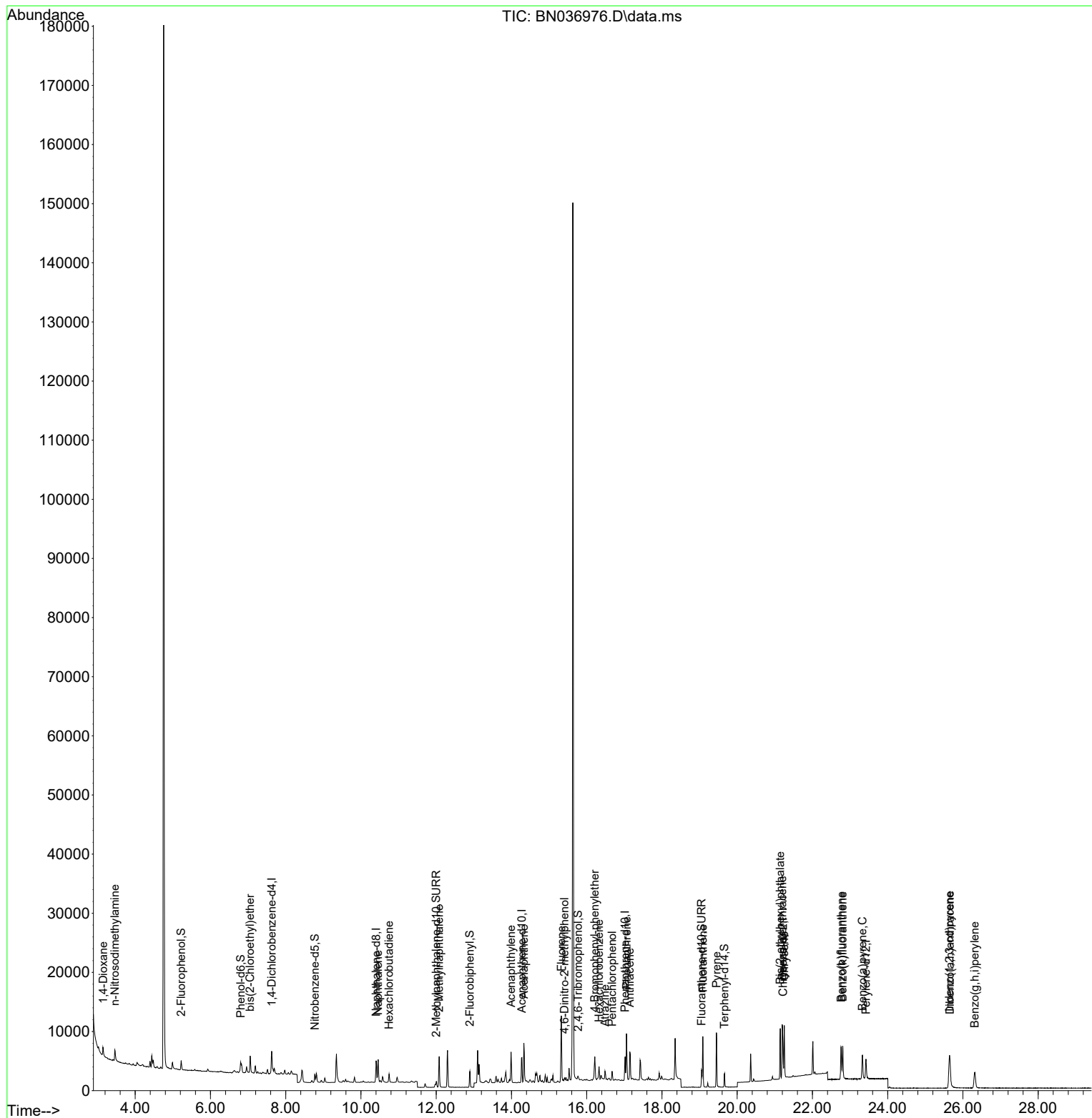
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.625	152	1746	0.400	ng	0.00
7) Naphthalene-d8	10.404	136	4442	0.400	ng	#-0.01
13) Acenaphthene-d10	14.277	164	2456	0.400	ng	0.00
19) Phenanthrene-d10	17.021	188	5135	0.400	ng	0.00
29) Chrysene-d12	21.215	240	4532	0.400	ng	# 0.00
35) Perylene-d12	23.421	264	4358	0.400	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.220	112	1050	0.235	ng	0.00
5) Phenol-d6	6.802	99	1326	0.241	ng	0.00
8) Nitrobenzene-d5	8.771	82	1026	0.221	ng	-0.01
11) 2-Methylnaphthalene-d10	12.001	152	1396	0.225	ng	0.00
14) 2,4,6-Tribromophenol	15.767	330	262	0.239	ng	0.00
15) 2-Fluorobiphenyl	12.893	172	2299	0.194	ng	0.00
27) Fluoranthene-d10	19.054	212	3110	0.234	ng	0.00
31) Terphenyl-d14	19.663	244	2125	0.199	ng	0.00
Target Compounds						
2) 1,4-Dioxane	3.148	88	751	0.345	ng	# 33
3) n-Nitrosodimethylamine	3.458	42	1657	0.392	ng	# 97
6) bis(2-Chloroethyl)ether	7.055	93	1962	0.385	ng	99
9) Naphthalene	10.458	128	4811	0.372	ng	98
10) Hexachlorobutadiene	10.746	225	1062	0.380	ng	# 97
12) 2-Methylnaphthalene	12.077	142	3488	0.417	ng	99
16) Acenaphthylene	13.989	152	4666	0.389	ng	98
17) Acenaphthene	14.331	154	3061	0.388	ng	99
18) Fluorene	15.325	166	4121	0.400	ng	# 98
20) 4,6-Dinitro-2-methylph...	15.410	198	412	0.303	ng	# 72
21) 4-Bromophenyl-phenylether	16.214	248	1285	0.375	ng	# 66
22) Hexachlorobenzene	16.326	284	1291	0.344	ng	95
23) Atrazine	16.487	200	1132	0.409	ng	# 92
24) Pentachlorophenol	16.673	266	635	0.315	ng	98
25) Phenanthrene	17.058	178	7596	0.448	ng	99
26) Anthracene	17.145	178	5847	0.381	ng	99
28) Fluoranthene	19.086	202	7425	0.391	ng	99
30) Pyrene	19.449	202	7811	0.358	ng	99
32) Benzo(a)anthracene	21.197	228	6578	0.394	ng	99
33) Chrysene	21.251	228	7149	0.397	ng	99
34) Bis(2-ethylhexyl)phtha...	21.144	149	7041	0.742	ng	99
36) Indeno(1,2,3-cd)pyrene	25.640	276	6746	0.379	ng	99
37) Benzo(b)fluoranthene	22.760	252	6681	0.365	ng	98
38) Benzo(k)fluoranthene	22.804	252	6822	0.370	ng	99
39) Benzo(a)pyrene	23.328	252	5908	0.392	ng	98
40) Dibenzo(a,h)anthracene	25.655	278	5327	0.380	ng	98
41) Benzo(g,h,i)perylene	26.313	276	5396	0.347	ng	99

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

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN050825\
Data File : BN036976.D
Acq On : 08 May 2025 16:53
Operator : RC/JU
Sample : Q1939-04MSD
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
GB2BMSD

Quant Time: May 08 18:27:44 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN042825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Apr 28 15:35:03 2025
Response via : Initial Calibration



Manual Integration Report

Sequence:	BN042825	Instrument	BNA_n
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Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
SSTDICC0.1	BN036923.D	1,4-Dioxane	Rahul	4/29/2025 8:53:49 AM	Jagrut	4/29/2025 11:57:36 AM	Peak Integrated by Software
SSTDICC0.2	BN036924.D	1,4-Dioxane	Rahul	4/29/2025 8:53:52 AM	Jagrut	4/29/2025 11:57:39 AM	Peak Integrated by Software

Manual Integration Report

Sequence:

BN050825

Instrument

BNA_n

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
Q1939-06	BN036978.D	2-Fluorobiphenyl	Rahul	5/9/2025 9:44:03 AM	Jagrut	5/9/2025 3:44:58 PM	Peak Integrated by Software
Q1939-06	BN036978.D	Benzo(a)pyrene	Rahul	5/9/2025 9:44:03 AM	Jagrut	5/9/2025 3:44:58 PM	Peak Integrated by Software
Q1939-06	BN036978.D	Benzo(k)fluoranthene	Rahul	5/9/2025 9:44:03 AM	Jagrut	5/9/2025 3:44:58 PM	Peak Integrated by Software

Instrument ID: **BNA_N**

Daily Analysis Runlog For Sequence/QC Batch ID # BN042825

Review By	Rahul	Review On	4/29/2025 8:54:47 AM
Supervise By	Jagrut	Supervise On	4/29/2025 11:57:54 AM
SubDirectory	BN042825	HP Acquire Method	BNA_N, 8270_SiM HP Processing Method BN042825
STD. NAME	STD REF.#		
Tune/Reschk	SP6757		
Initial Calibration Stds	SP6738,SP6736,SP6735,SP6734,SP6733,SP6732,SP6731		
CCC	SP6735		
Internal Standard/PEM	SP6740,1ul/100ul sample		
ICV/I.BLK	SP6768		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	DFTPP	BN036922.D	28 Apr 2025 10:56	RC/JU	Ok
2	SSTDIC0.1	BN036923.D	28 Apr 2025 11:35	RC/JU	Ok,M
3	SSTDIC0.2	BN036924.D	28 Apr 2025 12:11	RC/JU	Ok,M
4	SSTDIC0.4	BN036925.D	28 Apr 2025 12:47	RC/JU	Ok
5	SSTDIC0.8	BN036926.D	28 Apr 2025 13:24	RC/JU	Ok
6	SSTDIC1.6	BN036927.D	28 Apr 2025 14:00	RC/JU	Ok
7	SSTDIC3.2	BN036928.D	28 Apr 2025 14:36	RC/JU	Ok
8	SSTDIC5.0	BN036929.D	28 Apr 2025 15:12	RC/JU	Ok
9	SSTDICV0.4	BN036930.D	28 Apr 2025 15:51	RC/JU	Ok
10	PB167430BL	BN036931.D	28 Apr 2025 17:39	RC/JU	Not Ok

M : Manual Integration

Instrument ID: **BNA_N**

Daily Analysis Runlog For Sequence/QC Batch ID # BN050825

Review By	Rahul	Review On	5/9/2025 9:44:58 AM
Supervise By	Jagrut	Supervise On	5/9/2025 3:46:05 PM
SubDirectory	BN050825	HP Acquire Method	BNA_N, 8270_SiM HP Processing Method BN042825
STD. NAME	STD REF.#		
Tune/Reschk	SP6757		
Initial Calibration Stds	SP6738,SP6736,SP6735,SP6734,SP6733,SP6732,SP6731		
CCC	SP6735		
Internal Standard/PEM	SP6740,1ul/100ul sample		
ICV/I.BLK	SP6768		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	DFTPP	BN036971.D	08 May 2025 13:49	RC/JU	Ok
2	SSTDCCC0.4	BN036972.D	08 May 2025 14:28	RC/JU	Ok
3	PB167915BL	BN036973.D	08 May 2025 15:04	RC/JU	Ok
4	Q1939-04	BN036974.D	08 May 2025 15:40	RC/JU	Ok
5	Q1939-04MS	BN036975.D	08 May 2025 16:16	RC/JU	Ok
6	Q1939-04MSD	BN036976.D	08 May 2025 16:53	RC/JU	Ok
7	Q1939-02	BN036977.D	08 May 2025 17:29	RC/JU	Ok
8	Q1939-06	BN036978.D	08 May 2025 18:05	RC/JU	Ok,M
9	PB167915BS	BN036979.D	08 May 2025 18:41	RC/JU	Ok
10	SSTDCCC0.4	BN036980.D	08 May 2025 19:18	RC/JU	Ok

M : Manual Integration

Instrument ID: BNA_N

Daily Analysis Runlog For Sequence/QC Batch ID # BN042825

Review By	Rahul	Review On	4/29/2025 8:54:47 AM
Supervise By	Jagrut	Supervise On	4/29/2025 11:57:54 AM
SubDirectory	BN042825	HP Acquire Method	BNA_N, 8270_HP Processing Method BN042825

STD. NAME	STD REF.#
Tune/Reschk	SP6757
Initial Calibration Stds	SP6738,SP6736,SP6735,SP6734,SP6733,SP6732,SP6731
CCC	SP6735
Internal Standard/PEM	SP6740,1ul/100ul sample
ICV/I.BLK	SP6768
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	DFTPP	DFTPP	BN036922.D	28 Apr 2025 10:56		RC/JU	Ok
2	SSTDICC0.1	SSTDICC0.1	BN036923.D	28 Apr 2025 11:35	Compound#20 removed from 0.1 ppm	RC/JU	Ok,M
3	SSTDICC0.2	SSTDICC0.2	BN036924.D	28 Apr 2025 12:11		RC/JU	Ok,M
4	SSTDICCC0.4	SSTDICCC0.4	BN036925.D	28 Apr 2025 12:47		RC/JU	Ok
5	SSTDICC0.8	SSTDICC0.8	BN036926.D	28 Apr 2025 13:24		RC/JU	Ok
6	SSTDICC1.6	SSTDICC1.6	BN036927.D	28 Apr 2025 14:00		RC/JU	Ok
7	SSTDICC3.2	SSTDICC3.2	BN036928.D	28 Apr 2025 14:36		RC/JU	Ok
8	SSTDICC5.0	SSTDICC5.0	BN036929.D	28 Apr 2025 15:12		RC/JU	Ok
9	SSTDICV0.4	ICVBN042825	BN036930.D	28 Apr 2025 15:51		RC/JU	Ok
10	PB167430BL	PB167430BL	BN036931.D	28 Apr 2025 17:39	Internal Standard Fail, Analyzed for contamination check	RC/JU	Not Ok

M : Manual Integration

Instrument ID: BNA_N

Daily Analysis Runlog For Sequence/QC Batch ID # BN050825

Review By	Rahul	Review On	5/9/2025 9:44:58 AM
Supervise By	Jagrut	Supervise On	5/9/2025 3:46:05 PM
SubDirectory	BN050825	HP Acquire Method	BNA_N, 8270_HP Processing Method BN042825
STD. NAME	STD REF.#		
Tune/Reschk	SP6757		
Initial Calibration Stds	SP6738,SP6736,SP6735,SP6734,SP6733,SP6732,SP6731		
CCC	SP6735		
Internal Standard/PEM	SP6740,1ul/100ul sample		
ICV/I.BLK	SP6768		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

Sr#	SampleID	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	DFTPP	DFTPP	BN036971.D	08 May 2025 13:49		RC/JU	Ok
2	SSTDCCC0.4	SSTDCCC0.4	BN036972.D	08 May 2025 14:28		RC/JU	Ok
3	PB167915BL	PB167915BL	BN036973.D	08 May 2025 15:04		RC/JU	Ok
4	Q1939-04	GB2B	BN036974.D	08 May 2025 15:40		RC/JU	Ok
5	Q1939-04MS	GB2BMS	BN036975.D	08 May 2025 16:16		RC/JU	Ok
6	Q1939-04MSD	GB2BMSD	BN036976.D	08 May 2025 16:53		RC/JU	Ok
7	Q1939-02	GB1B	BN036977.D	08 May 2025 17:29		RC/JU	Ok
8	Q1939-06	GB3B	BN036978.D	08 May 2025 18:05	Internal Standard Fail	RC/JU	Ok,M
9	PB167915BS	PB167915BS	BN036979.D	08 May 2025 18:41		RC/JU	Ok
10	SSTDCCC0.4	SSTDCCC0.4EC	BN036980.D	08 May 2025 19:18		RC/JU	Ok

M : Manual Integration

SOP ID:	M3541-ASE Extraction-14		
Clean Up SOP #:	N/A	Extraction Start Date :	05/08/2025
Matrix :	Solid	Extraction Start Time :	10:03
Welgh By:	EH	Extraction By:	RJ
Balance check:	RJ	Filter By:	RJ
Balance ID:	EX-SC-2	pH Meter ID:	N/A
pH Strip Lot#:	N/A	Hood ID:	3,7
		Concentration By:	EH
		Supervisor By :	RUPESH

Extraction Method:
☐ Seperatory Funnel
 ☐ Continious Liquid/Liquid
 ☐ Sonication
 ☐ Waste Dilution
 ☒ Soxhlet

Standard Name	MLS USED	Concentration ug/mL	STD REF. # FROM LOG
Spike Sol 1	1.0ML	0.4 PPM	SP6739
Surrogate	1.0ML	0.4 PPM	SP6755
N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A

Chemical Used	ML/SAMPLE USED	Lot Number
MeCl2/Acetone/1:1	N/A	EP2600
Baked Na2SO4	N/A	EP2607
Sand	N/A	E2865
Methylene Chloride	N/A	E3930
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A

Extraction Conformance/Non-Conformance Comments:

1.5 ML Vial lot# 2210673.

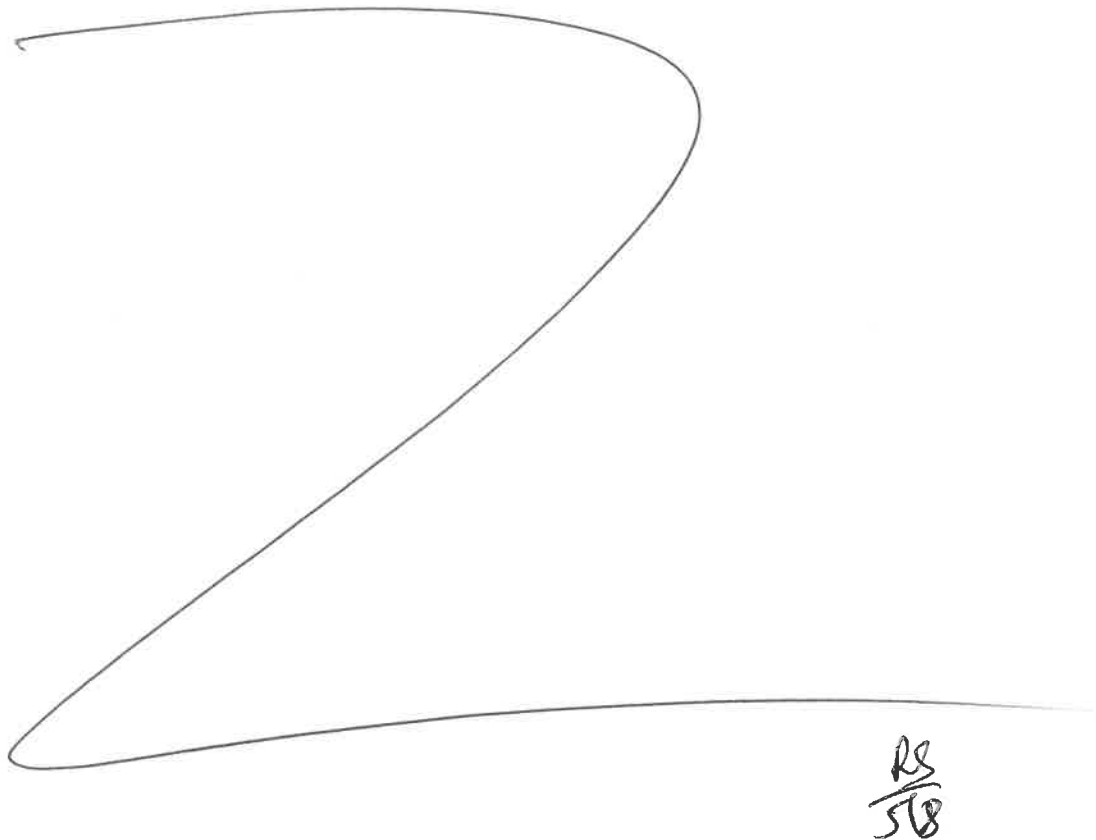
KD Bath ID:	N/A	Envap ID:	NEVAP-02
KD Bath Temperature:	N/A	Envap Temperature:	40 °C

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
5/8/25	RS (Ext Lab)	RC/SVOC
13:15	Preparation Group	Analysis Group

Analytical Method: M3541-ASE Extraction-14

Concentration Date: 05/08/2025

Sample ID	Client Sample ID	Test	g/mL	PH	Surr/Spike By:		Final Vol. (mL)	JarID	Comments	Prep Pos
					AddedBy	VerifiedBy				
PB167915BL	SBLK915	SVOC-SIMGrou p1	30.02	N/A	ritesh	Evelyn	1			U2-1
PB167915BS	SLCS915	SVOC-SIMGrou p1	30.01	N/A	ritesh	Evelyn	1			2
Q1872-11	HW0425-PT-BNA-SOIL	SVOCMS Group2	30.21	N/A	ritesh	Evelyn	1	A		3
Q1872-12	HW0425-PT-TRIAZINE-SO IL	SVOCMS Group5	30.37	N/A	ritesh	Evelyn	1	A		4
Q1872-13	HW0425-PT-PAH-SOIL	SVOCMS Group3	30.15	N/A	ritesh	Evelyn	1	A		5
Q1939-02	GB1B	SVOC-SIMGrou p1	30.05	N/A	ritesh	Evelyn	1	E		6
Q1939-04	GB2B	SVOC-SIMGrou p1	30.08	N/A	ritesh	Evelyn	1	E		U3-1
Q1939-04MS	GB2BMS	SVOC-SIMGrou p1	30.02	N/A	ritesh	Evelyn	1	E		2
Q1939-04MS D	GB2BMSD	SVOC-SIMGrou p1	30.04	N/A	ritesh	Evelyn	1	E		3
Q1939-06	GB3B	SVOC-SIMGrou p1	30.07	N/A	ritesh	Evelyn	1	E		4



167915
10/25/25

WORKLIST(Hardcopy Internal Chain)

WorkList Name : Q1939 WorkList ID : 189390 Department : Extraction Date : 05-08-2025 09:56:09

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q1872-11	HW0425-PT-BNA-SOIL	Solid	SVOCMS Group2	Cool 4 deg C	ALLI03	QA Of	04/21/2025	8270-Modified
Q1872-12	HW0425-PT-TRIAZINE-SOIL	Solid	SVOCMS Group5	Cool 4 deg C	ALLI03	QA Of	04/21/2025	8270-Modified
Q1872-13	HW0425-PT-PAH-SOIL	Solid	SVOCMS Group3	Cool 4 deg C	ALLI03	QA Of	04/21/2025	8270-Modified
Q1939-02	GB1B	Solid	SVOC-SIMGroup1	Cool 4 deg C	GENV01	L51	05/01/2025	8270-Modified
Q1939-04	GB2B	Solid	SVOC-SIMGroup1	Cool 4 deg C	GENV01	L51	05/01/2025	8270-Modified
Q1939-06	GB3B	Solid	SVOC-SIMGroup1	Cool 4 deg C	GENV01	L51	05/01/2025	8270-Modified

Date/Time 5/8/25 10:00
Raw Sample Received by: RJ (Ext-06)
Raw Sample Relinquished by: 208

Date/Time 5/8/25 10:20
Raw Sample Received by: [Signature]
Raw Sample Relinquished by: RJ (Ext-06)



LAB CHRONICLE

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

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