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Hit Summary Sheet SW-846

SDG No.: Q2234
Client: JACOBS Engineering Group, Inc.

Sample ID	Client ID	Parameter	Concentration	C	MDL	RDL	Units
Client ID :	MW-17B-55-060425						
Q2234-01	MW-17B-55-060425	WATER	1,4-Dioxane	2.700	0.07	0.2	ug/L
			Total Svoc :	2.70			
			Total Concentration:	2.70			
Client ID :	MW-18B-56-060425						
Q2234-05	MW-18B-56-060425	WATER	1,4-Dioxane	3.100	0.07	0.21	ug/L
			Total Svoc :	3.10			
			Total Concentration:	3.10			
Client ID :	MW-18B-56-060425-FD						
Q2234-06	MW-18B-56-060425-FD	WATER	1,4-Dioxane	3.300	0.07	0.2	ug/L
			Total Svoc :	3.30			
			Total Concentration:	3.30			
Client ID :	MW-19B-72-060425						
Q2234-07	MW-19B-72-060425	WATER	1,4-Dioxane	5.600	E 0.07	0.2	ug/L
			Total Svoc :	5.60			
			Total Concentration:	5.60			
Client ID :	MW-19B-72-060425DL						
Q2234-07DL	MW-19B-72-060425DL	WATER	1,4-Dioxane	6.200	D 0.13	0.41	ug/L
			Total Svoc :	6.20			
			Total Concentration:	6.20			



SAMPLE DATA

Report of Analysis

Client:	JACOBS Engineering Group, Inc.	Date Collected:	06/04/25
Project:	Former Schlumberger STC PTC Site D3868221	Date Received:	06/05/25
Client Sample ID:	MW-17B-55-060425	SDG No.:	Q2234
Lab Sample ID:	Q2234-01	Matrix:	Water
Analytical Method:	SW8270ESIM	% Solid:	0
Sample Wt/Vol:	980 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-SIMGroup1
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BN037206.D	1	06/06/25 11:54	06/10/25 00:24	PB168336

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
123-91-1	1,4-Dioxane	2.70		0.070	0.20	ug/L
SURROGATES						
7297-45-2	2-Methylnaphthalene-d10	0.39		30 (20) - 150 (139)	97%	SPK: 0.4
93951-69-0	Fluoranthene-d10	0.42		30 (54) - 150 (157)	104%	SPK: 0.4
4165-60-0	Nitrobenzene-d5	0.41		30 (27) - 130 (154)	101%	SPK: 0.4
321-60-8	2-Fluorobiphenyl	0.42		30 (30) - 130 (155)	105%	SPK: 0.4
1718-51-0	Terphenyl-d14	0.55	*	30 (54) - 130 (175)	137%	SPK: 0.4
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	1410	7.589			
1146-65-2	Naphthalene-d8	3750	10.372			
15067-26-2	Acenaphthene-d10	2040	14.235			
1517-22-2	Phenanthrene-d10	3650	16.984			
1719-03-5	Chrysene-d12	2310	21.189			
1520-96-3	Perylene-d12	2200	23.377			

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:	JACOBS Engineering Group, Inc.	Date Collected:	06/04/25
Project:	Former Schlumberger STC PTC Site D3868221	Date Received:	06/05/25
Client Sample ID:	MW-18B-56-060425	SDG No.:	Q2234
Lab Sample ID:	Q2234-05	Matrix:	Water
Analytical Method:	SW8270ESIM	% Solid:	0
Sample Wt/Vol:	970 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-SIMGroup1
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BN037207.D	1	06/06/25 11:54	06/10/25 01:00	PB168336

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
123-91-1	1,4-Dioxane	3.10		0.070	0.21	ug/L
SURROGATES						
7297-45-2	2-Methylnaphthalene-d10	0.37		30 (20) - 150 (139)	93%	SPK: 0.4
93951-69-0	Fluoranthene-d10	0.46		30 (54) - 150 (157)	115%	SPK: 0.4
4165-60-0	Nitrobenzene-d5	0.42		30 (27) - 130 (154)	104%	SPK: 0.4
321-60-8	2-Fluorobiphenyl	0.43		30 (30) - 130 (155)	106%	SPK: 0.4
1718-51-0	Terphenyl-d14	0.43		30 (54) - 130 (175)	108%	SPK: 0.4
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	1610	7.589			
1146-65-2	Naphthalene-d8	4080	10.362			
15067-26-2	Acenaphthene-d10	2070	14.235			
1517-22-2	Phenanthrene-d10	4040	16.984			
1719-03-5	Chrysene-d12	3510	21.18			
1520-96-3	Perylene-d12	3580	23.377			

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

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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:	JACOBS Engineering Group, Inc.	Date Collected:	06/04/25
Project:	Former Schlumberger STC PTC Site D3868221	Date Received:	06/05/25
Client Sample ID:	MW-18B-56-060425-FD	SDG No.:	Q2234
Lab Sample ID:	Q2234-06	Matrix:	Water
Analytical Method:	SW8270ESIM	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-SIMGroup1
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BN037208.D	1	06/06/25 11:54	06/10/25 01:36	PB168336

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
123-91-1	1,4-Dioxane	3.30		0.070	0.20	ug/L
SURROGATES						
7297-45-2	2-Methylnaphthalene-d10	0.38		30 (20) - 150 (139)	95%	SPK: 0.4
93951-69-0	Fluoranthene-d10	0.43		30 (54) - 150 (157)	108%	SPK: 0.4
4165-60-0	Nitrobenzene-d5	0.42		30 (27) - 130 (154)	105%	SPK: 0.4
321-60-8	2-Fluorobiphenyl	0.46		30 (30) - 130 (155)	114%	SPK: 0.4
1718-51-0	Terphenyl-d14	0.49		30 (54) - 130 (175)	122%	SPK: 0.4
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	1780	7.589			
1146-65-2	Naphthalene-d8	4600	10.362			
15067-26-2	Acenaphthene-d10	2270	14.234			
1517-22-2	Phenanthrene-d10	4130	16.984			
1719-03-5	Chrysene-d12	3300	21.18			
1520-96-3	Perylene-d12	3380	23.377			

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:	JACOBS Engineering Group, Inc.	Date Collected:	06/04/25
Project:	Former Schlumberger STC PTC Site D3868221	Date Received:	06/05/25
Client Sample ID:	MW-19B-72-060425	SDG No.:	Q2234
Lab Sample ID:	Q2234-07	Matrix:	Water
Analytical Method:	SW8270ESIM	% Solid:	0
Sample Wt/Vol:	980 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-SIMGroup1
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BN037209.D	1	06/06/25 11:54	06/10/25 02:12	PB168336

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
123-91-1	1,4-Dioxane	5.60	E	0.070	0.20	ug/L
SURROGATES						
7297-45-2	2-Methylnaphthalene-d10	0.39		30 (20) - 150 (139)	97%	SPK: 0.4
93951-69-0	Fluoranthene-d10	0.42		30 (54) - 150 (157)	105%	SPK: 0.4
4165-60-0	Nitrobenzene-d5	0.41		30 (27) - 130 (154)	103%	SPK: 0.4
321-60-8	2-Fluorobiphenyl	0.41		30 (30) - 130 (155)	103%	SPK: 0.4
1718-51-0	Terphenyl-d14	0.63	*	30 (54) - 130 (175)	156%	SPK: 0.4
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	2080		7.589		
1146-65-2	Naphthalene-d8	5380		10.361		
15067-26-2	Acenaphthene-d10	3060		14.234		
1517-22-2	Phenanthrene-d10	5760		16.984		
1719-03-5	Chrysene-d12	3590		21.18		
1520-96-3	Perylene-d12	3060		23.374		

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:	JACOBS Engineering Group, Inc.	Date Collected:	06/04/25
Project:	Former Schlumberger STC PTC Site D3868221	Date Received:	06/05/25
Client Sample ID:	MW-19B-72-060425DL	SDG No.:	Q2234
Lab Sample ID:	Q2234-07DL	Matrix:	Water
Analytical Method:	SW8270ESIM	% Solid:	0
Sample Wt/Vol:	980 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-SIMGroup1
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BN037213.D	2	06/06/25 11:54	06/10/25 09:49	PB168336

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
123-91-1	1,4-Dioxane	6.20	D	0.13	0.41	ug/L
SURROGATES						
7297-45-2	2-Methylnaphthalene-d10	0.41		30 (20) - 150 (139)	101%	SPK: 0.4
93951-69-0	Fluoranthene-d10	0.43		30 (54) - 150 (157)	108%	SPK: 0.4
4165-60-0	Nitrobenzene-d5	0.42		30 (27) - 130 (154)	104%	SPK: 0.4
321-60-8	2-Fluorobiphenyl	0.44		30 (30) - 130 (155)	110%	SPK: 0.4
1718-51-0	Terphenyl-d14	0.62	*	30 (54) - 130 (175)	154%	SPK: 0.4
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	1880		7.582		
1146-65-2	Naphthalene-d8	4810		10.362		
15067-26-2	Acenaphthene-d10	2600		14.235		
1517-22-2	Phenanthrene-d10	4390		16.984		
1719-03-5	Chrysene-d12	2810		21.189		
1520-96-3	Perylene-d12	2750		23.38		

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products



QC SUMMARY

Surrogate Summary

SW-846

SDG No.: Q2234

Client: JACOBS Engineering Group, Inc.

Analytical Method: 8270-Modified

Lab Sample ID	Client ID	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%)	
							Low	High
PB168336BL	PB168336BL	2-Methylnaphthalene-d10	0.4	0.36	91		30 (20)	150 (139)
		Fluoranthene-d10	0.4	0.40	99		30 (54)	150 (157)
		Nitrobenzene-d5	0.4	0.37	92		30 (27)	130 (154)
		2-Fluorobiphenyl	0.4	0.40	101		30 (30)	130 (155)
		Terphenyl-d14	0.4	0.42	105		30 (54)	130 (175)
PB168336BS	PB168336BS	2-Methylnaphthalene-d10	0.4	0.36	90		30 (20)	150 (139)
		Fluoranthene-d10	0.4	0.30	76		30 (54)	150 (157)
		Nitrobenzene-d5	0.4	0.36	90		30 (27)	130 (154)
		2-Fluorobiphenyl	0.4	0.38	95		30 (30)	130 (155)
		Terphenyl-d14	0.4	0.38	95		30 (54)	130 (175)
Q2234-01	MW-17B-55-060425	2-Methylnaphthalene-d10	0.4	0.39	97		30 (20)	150 (139)
		Fluoranthene-d10	0.4	0.42	104		30 (54)	150 (157)
		Nitrobenzene-d5	0.4	0.41	101		30 (27)	130 (154)
		2-Fluorobiphenyl	0.4	0.42	105		30 (30)	130 (155)
		Terphenyl-d14	0.4	0.55	137	*	30 (54)	130 (175)
Q2234-05	MW-18B-56-060425	2-Methylnaphthalene-d10	0.4	0.37	93		30 (20)	150 (139)
		Fluoranthene-d10	0.4	0.46	115		30 (54)	150 (157)
		Nitrobenzene-d5	0.4	0.42	104		30 (27)	130 (154)
		2-Fluorobiphenyl	0.4	0.43	106		30 (30)	130 (155)
		Terphenyl-d14	0.4	0.43	108		30 (54)	130 (175)
Q2234-06	MW-18B-56-060425-FD	2-Methylnaphthalene-d10	0.4	0.38	95		30 (20)	150 (139)
		Fluoranthene-d10	0.4	0.43	108		30 (54)	150 (157)
		Nitrobenzene-d5	0.4	0.42	105		30 (27)	130 (154)
		2-Fluorobiphenyl	0.4	0.46	114		30 (30)	130 (155)
		Terphenyl-d14	0.4	0.49	122		30 (54)	130 (175)
Q2234-07	MW-19B-72-060425	2-Methylnaphthalene-d10	0.4	0.39	97		30 (20)	150 (139)
		Fluoranthene-d10	0.4	0.42	105		30 (54)	150 (157)
		Nitrobenzene-d5	0.4	0.41	103		30 (27)	130 (154)
		2-Fluorobiphenyl	0.4	0.41	103		30 (30)	130 (155)
		Terphenyl-d14	0.4	0.63	156	*	30 (54)	130 (175)
Q2234-07DL	MW-19B-72-060425DL	2-Methylnaphthalene-d10	0.4	0.41	101		30 (20)	150 (139)
		Fluoranthene-d10	0.4	0.43	108		30 (54)	150 (157)
		Nitrobenzene-d5	0.4	0.42	104		30 (27)	130 (154)
		2-Fluorobiphenyl	0.4	0.44	110		30 (30)	130 (155)
		Terphenyl-d14	0.4	0.62	154	*	30 (54)	130 (175)
Q2250-02MS	MW-11A-13.5-060525MS	2-Methylnaphthalene-d10	0.4	0.30	75		30 (20)	150 (139)
		Fluoranthene-d10	0.4	0.37	92		30 (54)	150 (157)
		Nitrobenzene-d5	0.4	0.32	79		30 (27)	130 (154)
		2-Fluorobiphenyl	0.4	0.34	86		30 (30)	130 (155)
		Terphenyl-d14	0.4	0.47	118		30 (54)	130 (175)
Q2250-03MSD	MW-11A-13.5-060525MSD	2-Methylnaphthalene-d10	0.4	0.30	75		30 (20)	150 (139)
		Fluoranthene-d10	0.4	0.37	91		30 (54)	150 (157)
		Nitrobenzene-d5	0.4	0.32	79		30 (27)	130 (154)
		2-Fluorobiphenyl	0.4	0.35	86		30 (30)	130 (155)
		Terphenyl-d14	0.4	0.45	113		30 (54)	130 (175)

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q2234

Client: JACOBS Engineering Group, Inc.

Analytical Method: SW8270-Modified

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Low	Limits High	RPD
Lab Sample ID:	Q2250-02MS	Client Sample ID:	MW-11A-13.5-060525MS					DataFile:	BN037192.D		
1,4-Dioxane	0.42	2.50	3.20	ug/L	167	*			20 (10)	160 (175)	

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q2234

Client: JACOBS Engineering Group, Inc.

Analytical Method: SW8270-Modified

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Low	Limits High	RPD
Lab Sample ID:	Q2250-03MSD	Client Sample ID:	MW-11A-13.5-060525MSD					DataFile:	BN037193.D		
1,4-Dioxane	0.4	2.50	3.30	ug/L	200	*	18		20 (10)	160 (175)	20 (20)

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q2234

Client: JACOBS Engineering Group, Inc.

Analytical Method: 8270-Modified DataFile: BN037201.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD	Limits		RPD
								Qual	Low	High	
PB168336BS	1,4-Dioxane	0.4	0.40	ug/L	100				20 (65)	160 (116)	

4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB168336BL

Lab Name: CHEMTECH

Contract: JAC005

Lab Code: CHEM Case No.: Q2234

SAS No.: Q2234 SDG NO.: Q2234

Lab File ID: BN037190.D

Lab Sample ID: PB168336BL

Instrument ID: BNA_N

Date Extracted: 06/06/2025

Matrix: (soil/water) Water

Date Analyzed: 06/09/2025

Level: (low/med) LOW

Time Analyzed: 11:30

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
PB168336BS	PB168336BS	BN037201.D	06/09/2025
MW-17B-55-060425	Q2234-01	BN037206.D	06/10/2025
MW-18B-56-060425	Q2234-05	BN037207.D	06/10/2025
MW-18B-56-060425-FD	Q2234-06	BN037208.D	06/10/2025
MW-19B-72-060425	Q2234-07	BN037209.D	06/10/2025
MW-11A-13.5-060525MS	Q2250-02MS	BN037192.D	06/09/2025
MW-11A-13.5-060525MSD	Q2250-03MSD	BN037193.D	06/09/2025

COMMENTS: _____

5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH

Contract: JAC005

Lab Code: CHEM

SAS No.: Q2234 SDG NO.: Q2234

Lab File ID: BN037142.D

DFTPP Injection Date: 06/03/2025

Instrument ID: BNA_N

DFTPP Injection Time: 10:21

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	69.8
68	Less than 2.0% of mass 69	0.0 (0.0) 1
69	Mass 69 relative abundance	58.7
70	Less than 2.0% of mass 69	0.3 (0.5) 1
127	10.0 - 80.0% of mass 198	53.9
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	24.4
365	Greater than 1% of mass 198	4.5
441	Present, but less than mass 443	10.3
442	Greater than 50% of mass 198	100
443	15.0 - 24.0% of mass 442	12.1 (19.8) 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	BN037143.D	06/03/2025	11:39
SSTDICC0.2	SSTDICC0.2	BN037144.D	06/03/2025	12:15
SSTDICCC0.4	SSTDICCC0.4	BN037145.D	06/03/2025	12:51
SSTDICC0.8	SSTDICC0.8	BN037146.D	06/03/2025	13:26
SSTDICC1.6	SSTDICC1.6	BN037147.D	06/03/2025	14:02
SSTDICC3.2	SSTDICC3.2	BN037148.D	06/03/2025	14:38
SSTDICC5.0	SSTDICC5.0	BN037149.D	06/03/2025	15:14

5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH

Contract: JAC005

Lab Code: CHEM

SAS No.: Q2234 SDG NO.: Q2234

Lab File ID: BN037188.D

DFTPP Injection Date: 06/09/2025

Instrument ID: BNA_N

DFTPP Injection Time: 10:15

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	74
68	Less than 2.0% of mass 69	0.4 (0.7) 1
69	Mass 69 relative abundance	59.6
70	Less than 2.0% of mass 69	0.4 (0.6) 1
127	10.0 - 80.0% of mass 198	53
197	Less than 2.0% of mass 198	0.0
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	6.9
275	10.0 - 60.0% of mass 198	24.1
365	Greater than 1% of mass 198	4.4
441	Present, but less than mass 443	8.6
442	Greater than 50% of mass 198	100
443	15.0 - 24.0% of mass 442	10.5 (18.5) 2

1-Value is % mass 69

2-Value is % mass 442

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
SSTDCCC0.4	SSTDCCC0.4	BN037189.D	06/09/2025	10:54
PB168336BL	PB168336BL	BN037190.D	06/09/2025	11:30
MW-11A-13.5-060525MS	Q2250-02MS	BN037192.D	06/09/2025	14:33
MW-11A-13.5-060525MSD	Q2250-03MSD	BN037193.D	06/09/2025	15:47
PB168336BS	PB168336BS	BN037201.D	06/09/2025	20:40

5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH

Contract: JAC005

Lab Code: CHEM

SAS No.: Q2234 SDG NO.: Q2234

Lab File ID: BN037203.D

DFTPP Injection Date: 06/09/2025

Instrument ID: BNA_N

DFTPP Injection Time: 22:32

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	79.8
68	Less than 2.0% of mass 69	1 (1.5) 1
69	Mass 69 relative abundance	65.5
70	Less than 2.0% of mass 69	0.4 (0.6) 1
127	10.0 - 80.0% of mass 198	56.9
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	24.4
365	Greater than 1% of mass 198	4.3
441	Present, but less than mass 443	8.8
442	Greater than 50% of mass 198	100
443	15.0 - 24.0% of mass 442	10.6 (20.4) 2

1-Value is % mass 69

2-Value is % mass 442

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
SSTDCCC0.4	SSTDCCC0.4	BN037204.D	06/09/2025	23:11
MW-17B-55-060425	Q2234-01	BN037206.D	06/10/2025	00:24
MW-18B-56-060425	Q2234-05	BN037207.D	06/10/2025	01:00
MW-18B-56-060425-FD	Q2234-06	BN037208.D	06/10/2025	01:36
MW-19B-72-060425	Q2234-07	BN037209.D	06/10/2025	02:12
MW-19B-72-060425DL	Q2234-07DL	BN037213.D	06/10/2025	09:49

8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: Q2234 SAS No.: Q2234 SDG NO.: Q2234

EPA Sample No.: SSTDCCC0.4 Date Analyzed: 06/09/2025

Lab File ID: BN037189.D Time Analyzed: 10:54

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	2093	7.589	5342	10.36	2894	14.24
UPPER LIMIT	4186	8.089	10684	10.862	5788	14.735
LOWER LIMIT	1046.5	7.089	2671	9.862	1447	13.735
EPA SAMPLE NO.						
01 PB168336BL	1816	7.59	4227	10.37	2101	14.25
02 MW-11A-13.5-060525MS	2144	7.59	5670	10.36	2991	14.23
03 MW-11A-13.5-060525MSD	2169	7.59	5646	10.36	2926	14.24
04 PB168336BS	2227	7.59	5466	10.36	2607	14.23

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.: Q2234 SAS No.: Q2234 SDG NO.: Q2234

EPA Sample No.: SSTDCCC0.4 Date Analyzed: 06/09/2025

Lab File ID: BN037189.D Time Analyzed: 10:54

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	5308	16.984	3516	21.18	3185	23.377
UPPER LIMIT	10616	17.484	7032	21.68	6370	23.877
LOWER LIMIT	2654	16.484	1758	20.68	1592.5	22.877
EPA SAMPLE NO.						
01 PB168336BL	3500	17.00	2446	21.19	2291	23.39
02 MW-11A-13.5-060525MS	5389	16.98	3448	21.19	3177	23.38
03 MW-11A-13.5-060525MSD	5139	16.98	3419	21.18	3336	23.37
04 PB168336BS	4253	16.98	2468	21.19	2373	23.38

IS4 (PHN) = Phenanthrene-d10

IS5 (CRY) = Chrysene-d12

IS6 (PRY) = Perylene-d12

AREA UPPER LIMIT = +100% of internal standard area

AREA LOWER LIMIT = -50% of internal standard area

RT UPPER LIMIT = +0.50 minutes of internal standard RT

RT UPPER LIMIT = -0.50 minutes of internal standard RT

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

* Values outside of QC limits.

8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: Q2234 SAS No.: Q2234 SDG NO.: Q2234

EPA Sample No.: SSTDCCC0.4 Date Analyzed: 06/09/2025

Lab File ID: BN037204.D Time Analyzed: 23:11

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

	IS1 (DCB) AREA #	RT #	IS2 (NPT) AREA #	RT #	IS3 (ANT) AREA #	RT #
12 HOUR STD	1688	7.589	4447	10.37	2457	14.23
UPPER LIMIT	3376	8.089	8894	10.872	4914	14.734
LOWER LIMIT	844	7.089	2223.5	9.872	1228.5	13.734
EPA SAMPLE NO.						
01 MW-18B-56-060425	1612	7.59	4076	10.36	2065	14.24
02 MW-18B-56-060425-FD	1777	7.59	4601	10.36	2273	14.23
03 MW-19B-72-060425	2075	7.59	5375	10.36	3061	14.23
04 MW-19B-72-060425DL	1883	7.58	4807	10.36	2597	14.24
05 MW-17B-55-060425	1414	7.59	3747	10.37	2035	14.24

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.: Q2234 SAS No.: Q2234 SDG NO.: Q2234

EPA Sample No.: SSTDCCC0.4 Date Analyzed: 06/09/2025

Lab File ID: BN037204.D Time Analyzed: 23:11

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

	IS4 (PHN) AREA #	RT #	IS5 (CRY) AREA #	RT #	IS6 (PRY) AREA #	RT #
12 HOUR STD	4471	16.984	2829	21.18	2684	23.377
UPPER LIMIT	8942	17.484	5658	21.68	5368	23.877
LOWER LIMIT	2235.5	16.484	1414.5	20.68	1342	22.877
EPA SAMPLE NO.						
01 MW-18B-56-060425	4042	16.98	3508	21.18	3584	23.38
02 MW-18B-56-060425-FD	4128	16.98	3296	21.18	3376	23.38
03 MW-19B-72-060425	5755	16.98	3593	21.18	3061	23.37
04 MW-19B-72-060425DL	4389	16.98	2810	21.19	2751	23.38
05 MW-17B-55-060425	3650	16.98	2308	21.19	2201	23.38

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:	JACOBS Engineering Group, Inc.	Date Collected:	
Project:	Former Schlumberger STC PTC Site D3868221	Date Received:	
Client Sample ID:	PB168336BL	SDG No.:	Q2234
Lab Sample ID:	PB168336BL	Matrix:	Water
Analytical Method:	SW8270ESIM	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-SIMGroup1
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BN037190.D	1	06/06/25 11:54	06/09/25 11:30	PB168336

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
123-91-1	1,4-Dioxane	0.070	U	0.070	0.20	ug/L
SURROGATES						
7297-45-2	2-Methylnaphthalene-d10	0.36		30 (20) - 150 (139)	91%	SPK: 0.4
93951-69-0	Fluoranthene-d10	0.40		30 (54) - 150 (157)	99%	SPK: 0.4
4165-60-0	Nitrobenzene-d5	0.37		30 (27) - 130 (154)	92%	SPK: 0.4
321-60-8	2-Fluorobiphenyl	0.40		30 (30) - 130 (155)	101%	SPK: 0.4
1718-51-0	Terphenyl-d14	0.42		30 (54) - 130 (175)	105%	SPK: 0.4
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	1820	7.589			
1146-65-2	Naphthalene-d8	4230	10.372			
15067-26-2	Acenaphthene-d10	2100	14.245			
1517-22-2	Phenanthrene-d10	3500	16.996			
1719-03-5	Chrysene-d12	2450	21.189			
1520-96-3	Perylene-d12	2290	23.386			

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:	JACOBS Engineering Group, Inc.	Date Collected:	
Project:	Former Schlumberger STC PTC Site D3868221	Date Received:	
Client Sample ID:	PB168336BS	SDG No.:	Q2234
Lab Sample ID:	PB168336BS	Matrix:	Water
Analytical Method:	SW8270ESIM	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-SIMGroup1
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BN037201.D	1	06/06/25 11:54	06/09/25 20:40	PB168336

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
123-91-1	1,4-Dioxane	0.40		0.070	0.20	ug/L
SURROGATES						
7297-45-2	2-Methylnaphthalene-d10	0.36		30 (20) - 150 (139)	90%	SPK: 0.4
93951-69-0	Fluoranthene-d10	0.30		30 (54) - 150 (157)	76%	SPK: 0.4
4165-60-0	Nitrobenzene-d5	0.36		30 (27) - 130 (154)	90%	SPK: 0.4
321-60-8	2-Fluorobiphenyl	0.38		30 (30) - 130 (155)	95%	SPK: 0.4
1718-51-0	Terphenyl-d14	0.38		30 (54) - 130 (175)	95%	SPK: 0.4
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	2230	7.589			
1146-65-2	Naphthalene-d8	5470	10.361			
15067-26-2	Acenaphthene-d10	2610	14.234			
1517-22-2	Phenanthrene-d10	4250	16.984			
1719-03-5	Chrysene-d12	2470	21.188			
1520-96-3	Perylene-d12	2370	23.377			

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:	JACOBS Engineering Group, Inc.	Date Collected:	06/05/25
Project:	Former Schlumberger STC PTC Site D3868221	Date Received:	06/05/25
Client Sample ID:	MW-11A-13.5-060525MS	SDG No.:	Q2234
Lab Sample ID:	Q2250-02MS	Matrix:	Water
Analytical Method:	SW8270ESIM	% Solid:	0
Sample Wt/Vol:	960 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-SIMGroup1
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BN037192.D	1	06/06/25 11:54	06/09/25 14:33	PB168336

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
123-91-1	1,4-Dioxane	3.20		0.070	0.21	ug/L
SURROGATES						
7297-45-2	2-Methylnaphthalene-d10	0.30		30 (20) - 150 (139)	75%	SPK: 0.4
93951-69-0	Fluoranthene-d10	0.37		30 (54) - 150 (157)	92%	SPK: 0.4
4165-60-0	Nitrobenzene-d5	0.32		30 (27) - 130 (154)	79%	SPK: 0.4
321-60-8	2-Fluorobiphenyl	0.34		30 (30) - 130 (155)	86%	SPK: 0.4
1718-51-0	Terphenyl-d14	0.47		30 (54) - 130 (175)	118%	SPK: 0.4
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	2140	7.589			
1146-65-2	Naphthalene-d8	5670	10.361			
15067-26-2	Acenaphthene-d10	2990	14.234			
1517-22-2	Phenanthrene-d10	5390	16.984			
1719-03-5	Chrysene-d12	3450	21.188			
1520-96-3	Perylene-d12	3180	23.38			

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:	JACOBS Engineering Group, Inc.	Date Collected:	06/05/25
Project:	Former Schlumberger STC PTC Site D3868221	Date Received:	06/05/25
Client Sample ID:	MW-11A-13.5-060525MSD	SDG No.:	Q2234
Lab Sample ID:	Q2250-03MSD	Matrix:	Water
Analytical Method:	SW8270ESIM	% Solid:	0
Sample Wt/Vol:	990 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-SIMGroup1
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BN037193.D	1	06/06/25 11:54	06/09/25 15:47	PB168336

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
123-91-1	1,4-Dioxane	3.30		0.070	0.20	ug/L
SURROGATES						
7297-45-2	2-Methylnaphthalene-d10	0.30		30 (20) - 150 (139)	75%	SPK: 0.4
93951-69-0	Fluoranthene-d10	0.37		30 (54) - 150 (157)	91%	SPK: 0.4
4165-60-0	Nitrobenzene-d5	0.32		30 (27) - 130 (154)	79%	SPK: 0.4
321-60-8	2-Fluorobiphenyl	0.35		30 (30) - 130 (155)	86%	SPK: 0.4
1718-51-0	Terphenyl-d14	0.45		30 (54) - 130 (175)	113%	SPK: 0.4
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	2170	7.59			
1146-65-2	Naphthalene-d8	5650	10.362			
15067-26-2	Acenaphthene-d10	2930	14.235			
1517-22-2	Phenanthrene-d10	5140	16.984			
1719-03-5	Chrysene-d12	3420	21.18			
1520-96-3	Perylene-d12	3340	23.374			

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-BN060325.M
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 Last Update : Wed Jun 04 01:52:03 2025
 Response Via : Initial Calibration

Calibration Files

0.1 =BN037143.D 0.2 =BN037144.D 0.4 =BN037145.D 0.8 =BN037146.D 1.6 =BN037147.D 3.2 =BN037148.D 5.0 =BN037149.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	0.598	0.657	0.510	0.506	0.526	0.477	0.458	0.533	13.16
3)	n-Nitrosodimet...	1.098	1.031	1.061	1.067	1.163	1.061	1.012	1.071	4.60
4) S	2-Fluorophenol	1.027	1.017	0.940	0.945	1.036	0.984	0.975	0.989	3.91
5) S	Phenol-d6	1.156	1.144	1.127	1.126	1.293	1.261	1.285	1.199	6.42
6)	bis(2-Chloroet...	1.138	1.139	1.128	1.089	1.223	1.146	1.146	1.144	3.51
7) I	Naphthalene-d8	-----ISTD-----								
8) S	Nitrobenzene-d5	0.393	0.383	0.421	0.407	0.455	0.450	0.446	0.422	6.86
9)	Naphthalene	1.183	1.125	1.119	1.111	1.215	1.165	1.160	1.154	3.31
10)	Hexachlorobuta...	0.253	0.249	0.261	0.247	0.266	0.246	0.238	0.251	3.81
11) SURR2	Methylnaphth...	0.520	0.515	0.562	0.536	0.598	0.577	0.588	0.557	5.97
12)	2-Methylnaphth...	0.704	0.680	0.691	0.719	0.809	0.783	0.793	0.740	7.22
13) I	Acenaphthene-d10	-----ISTD-----								
14) S	2,4,6-Tribromo...	0.124	0.147	0.146	0.157	0.185	0.182	0.186	0.161	15.03
15) S	2-Fluorobiphenyl	1.722	1.691	1.626	1.654	1.814	1.706	1.725	1.705	3.52
16)	Acenaphthylene	1.946	1.905	1.768	1.871	2.112	2.050	2.075	1.961	6.32
17)	Acenaphthene	1.290	1.253	1.159	1.212	1.370	1.309	1.320	1.273	5.59
18)	Fluorene	1.701	1.577	1.518	1.611	1.823	1.736	1.752	1.674	6.48
19) I	Phenanthrene-d10	-----ISTD-----								
20)	4,6-Dinitro-2-...	0.039	0.050	0.067	0.090	0.102	0.114	0.077		38.58
21)	4-Bromophenyl-...	0.256	0.253	0.244	0.254	0.281	0.276	0.271	0.262	5.32
22)	Hexachlorobenzene	0.289	0.284	0.269	0.279	0.301	0.284	0.274	0.283	3.72
23)	Atrazine	0.194	0.200	0.187	0.209	0.241	0.238	0.247	0.216	11.42
24)	Pentachlorophenol	0.086	0.086	0.092	0.107	0.140	0.153	0.165	0.124	26.72
25)	Phenanthrene	1.285	1.242	1.193	1.248	1.386	1.357	1.361	1.296	5.64
26)	Anthracene	1.098	1.099	1.036	1.143	1.294	1.290	1.317	1.183	9.71
27) SURR	Fluoranthene-d10	0.969	0.937	0.975	0.956	1.092	1.071	1.114	1.016	7.22
28)	Fluoranthene	1.339	1.294	1.277	1.365	1.579	1.563	1.605	1.432	10.09
29) I	Chrysene-d12	-----ISTD-----								
30)	Pyrene	2.051	1.974	1.827	1.928	2.048	1.955	1.885	1.953	4.20
31) S	Terphenyl-d14	0.964	0.909	0.896	0.941	1.006	0.952	0.923	0.942	3.96
32)	Benzo(a)anthra...	1.369	1.367	1.291	1.404	1.582	1.553	1.570	1.448	8.15
33)	Chrysene	1.755	1.636	1.473	1.582	1.698	1.584	1.556	1.612	5.81
34)	Bis(2-ethylhex...	1.032	0.859	0.774	0.858	0.956	0.914	1.002	0.914	9.90
35) I	Perylene-d12	-----ISTD-----								

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

Method File : 8270-SIM-BN060325.M

36)	Indeno(1,2,3-c...	1.443	1.605	1.501	1.526	1.695	1.673	1.697	1.591	6.44
37)	Benzo(b)fluora...	1.529	1.520	1.421	1.575	1.763	1.713	1.781	1.615	8.58
38)	Benzo(k)fluora...	1.576	1.565	1.461	1.612	1.777	1.743	1.805	1.648	7.79
39) C	Benzo(a)pyrene	1.310	1.287	1.219	1.294	1.451	1.426	1.481	1.352	7.32
40)	Dibenzo(a,h)an...	1.074	1.167	1.160	1.196	1.333	1.332	1.328	1.227	8.48
41)	Benzo(g,h,i)pe...	1.368	1.450	1.351	1.372	1.477	1.424	1.425	1.410	3.33

(#) = Out of Range

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: JAC005

Lab Code: CHEM Case No.: Q2234 SAS No.: Q2234 SDG No.: Q2234

Instrument ID: BNA_N Calibration Date/Time: 06/09/2025 10:54

Lab File ID: BN037189.D Init. Calib. Date(s): 06/03/2025 06/03/2025

EPA Sample No.: SSTDCCC0.4 Init. Calib. Time(s): 11:39 15:14

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

COMPOUND	RRF	RRF0.4	MIN RRF	%D	MAX%D
2-Methylnaphthalene-d10	0.557	0.558		0.2	20.0
Fluoranthene-d10	1.016	0.960		-5.5	20.0
2-Fluorophenol	0.989	0.924		-6.6	20.0
Phenol-d6	1.199	1.124		-6.3	20.0
Nitrobenzene-d5	0.422	0.422		0.0	20.0
2-Fluorobiphenyl	1.705	1.691		-0.8	20.0
2,4,6-Tribromophenol	0.161	0.142		-11.8	20.0
Terphenyl-d14	0.942	0.909		-3.5	20.0
1,4-Dioxane	0.533	0.519		-2.6	20.0

All other compounds must meet a minimum RRF of 0.010.

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: JAC005

Lab Code: CHEM Case No.: Q2234 SAS No.: Q2234 SDG No.: Q2234

Instrument ID: BNA_N Calibration Date/Time: 06/09/2025 23:11

Lab File ID: BN037204.D Init. Calib. Date(s): 06/03/2025 06/03/2025

EPA Sample No.: SSTDCCC0.4 Init. Calib. Time(s): 11:39 15:14

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

COMPOUND	RRF	RRF0.4	MIN RRF	%D	MAX%D
2-Methylnaphthalene-d10	0.557	0.554		-0.5	20.0
Fluoranthene-d10	1.016	0.919		-9.5	20.0
2-Fluorophenol	0.989	0.935		-5.5	20.0
Phenol-d6	1.199	1.161		-3.2	20.0
Nitrobenzene-d5	0.422	0.423		0.2	20.0
2-Fluorobiphenyl	1.705	1.685		-1.2	20.0
2,4,6-Tribromophenol	0.161	0.151		-6.2	20.0
Terphenyl-d14	0.942	0.919		-2.4	20.0
1,4-Dioxane	0.533	0.495		-7.1	20.0

All other compounds must meet a minimum RRF of 0.010.



SAMPLE RAW DATA

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN060925\
 Data File : BN037206.D
 Acq On : 10 Jun 2025 00:24
 Operator : RC/JU
 Sample : Q2234-01
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 MW-17B-55-060425

A
B
C
D
E
F
G
H
I
J
K

Quant Time: Jun 10 04:05:00 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN060325.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jun 04 01:52:03 2025
 Response via : Initial Calibration

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

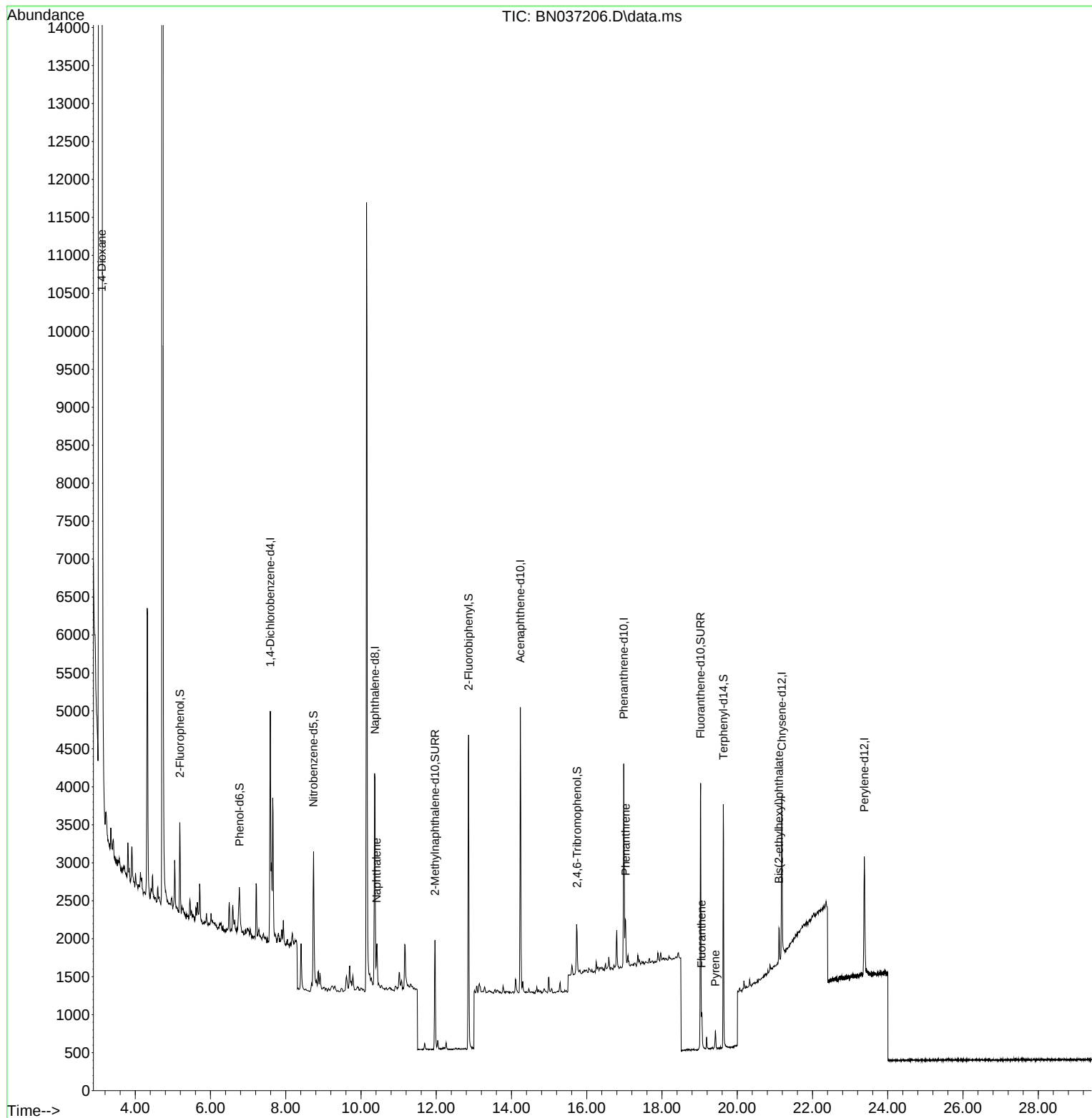
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.589	152	1414	0.400	ng	0.00
7) Naphthalene-d8	10.372	136	3747	0.400	ng	0.00
13) Acenaphthene-d10	14.235	164	2035	0.400	ng	0.00
19) Phenanthrene-d10	16.984	188	3650	0.400	ng	0.00
29) Chrysene-d12	21.189	240	2308	0.400	ng	0.00
35) Perylene-d12	23.377	264	2201	0.400	ng	# 0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.184	112	726	0.208	ng	0.00
5) Phenol-d6	6.773	99	507	0.120	ng	0.00
8) Nitrobenzene-d5	8.739	82	1600	0.405	ng	0.00
11) 2-Methylnaphthalene-d10	11.966	152	2023	0.388	ng	0.00
14) 2,4,6-Tribromophenol	15.743	330	390	0.476	ng	0.00
15) 2-Fluorobiphenyl	12.858	172	3663	0.422	ng	0.00
27) Fluoranthene-d10	19.026	212	3879	0.418	ng	0.00
31) Terphenyl-d14	19.630	244	2970	0.547	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	3.112	88	4959	2.631	ng	92
9) Naphthalene	10.415	128	389	0.036	ng	# 65
25) Phenanthrene	17.033	178	719	0.061	ng	96
28) Fluoranthene	19.054	202	305	0.023	ng	# 71
30) Pyrene	19.421	202	241	0.021	ng	# 90
34) Bis(2-ethylhexyl)phtha...	21.108	149	484	0.092	ng	# 96

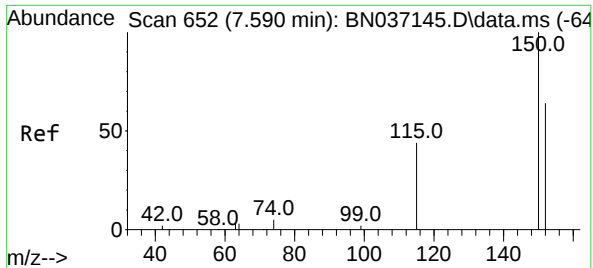
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN060925\
Data File : BN037206.D
Acq On : 10 Jun 2025 00:24
Operator : RC/JU
Sample : Q2234-01
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
MW-17B-55-060425

Quant Time: Jun 10 04:05:00 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN060325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jun 04 01:52:03 2025
Response via : Initial Calibration

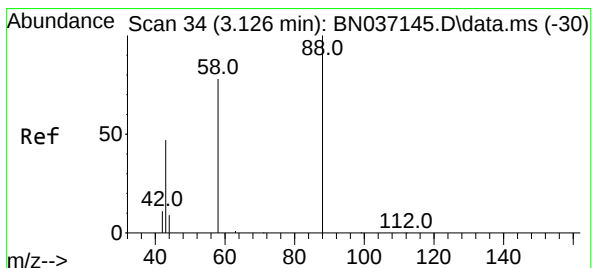
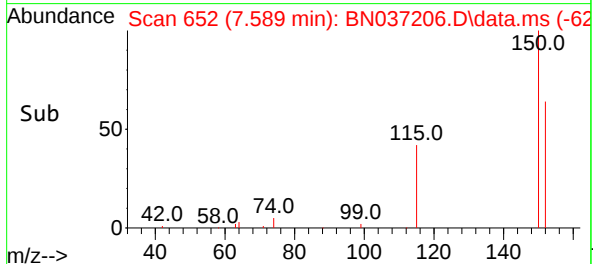
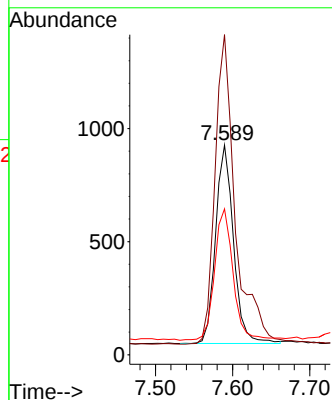
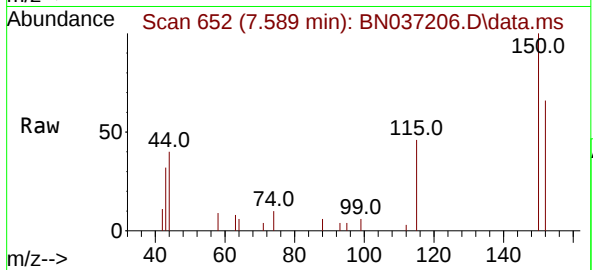




#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.589 min Scan# 61
Delta R.T. -0.001 min
Lab File: BN037206.D
Acq: 10 Jun 2025 00:24

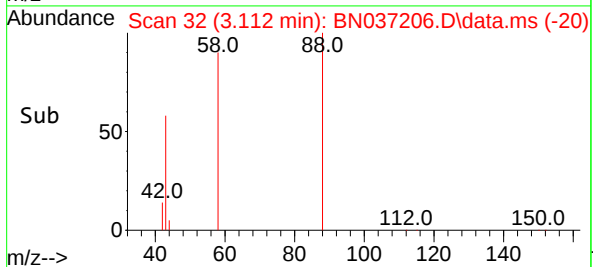
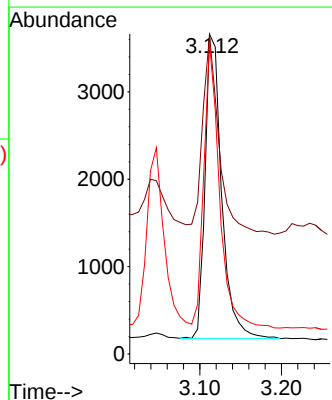
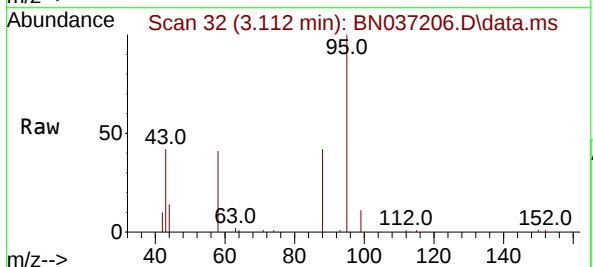
Instrument :
BNA_N
ClientSampleId :
MW-17B-55-060425

Tgt Ion:152 Resp: 1414
Ion Ratio Lower Upper
152 100
150 152.6 123.2 184.8
115 69.6 56.6 85.0

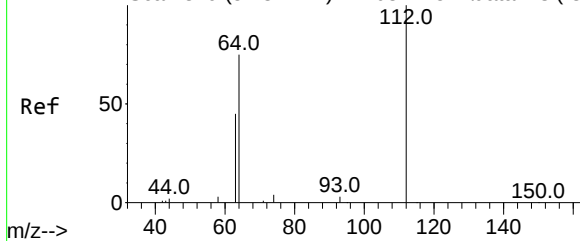


#2
1,4-Dioxane
Concen: 2.631 ng
RT: 3.112 min Scan# 32
Delta R.T. -0.015 min
Lab File: BN037206.D
Acq: 10 Jun 2025 00:24

Tgt Ion: 88 Resp: 4959
Ion Ratio Lower Upper
88 100
43 64.9 43.5 65.3
58 88.1 67.7 101.5



Abundance Scan 319 (5.184 min): BN037145.D\data.ms (-31



#4

2-Fluorophenol

Concen: 0.208 ng

RT: 5.184 min Scan# 319

Delta R.T. -0.000 min

Lab File: BN037206.D

Acq: 10 Jun 2025 00:24

Instrument :

BNA_N

ClientSampleId :

MW-17B-55-060425

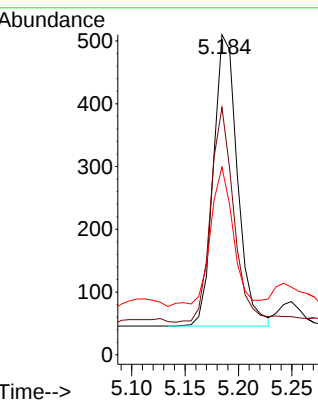
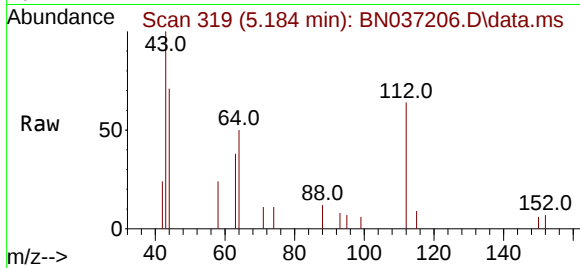
Tgt Ion:112 Resp: 726

Ion Ratio Lower Upper

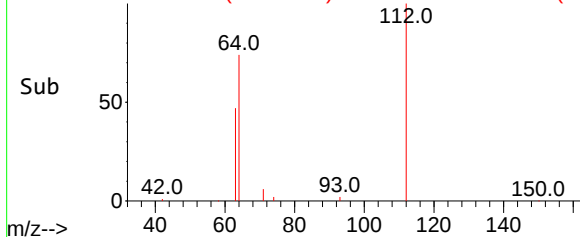
112 100

64 73.7 56.3 84.5

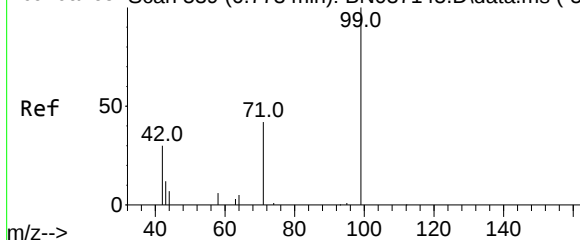
63 45.6 36.2 54.4



Abundance Scan 319 (5.184 min): BN037206.D\data.ms (-29



Abundance Scan 539 (6.773 min): BN037145.D\data.ms (-53



#5

Phenol-d6

Concen: 0.120 ng

RT: 6.773 min Scan# 539

Delta R.T. -0.000 min

Lab File: BN037206.D

Acq: 10 Jun 2025 00:24

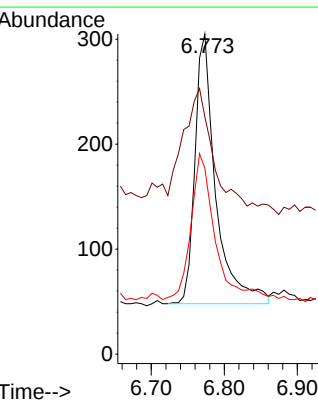
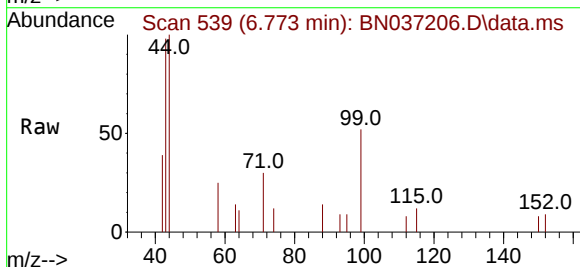
Tgt Ion: 99 Resp: 507

Ion Ratio Lower Upper

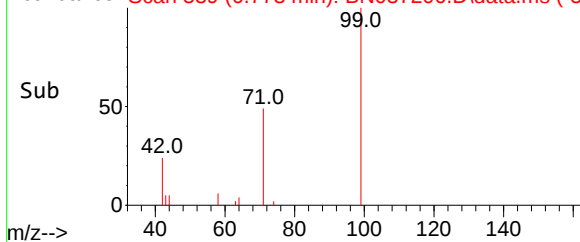
99 100

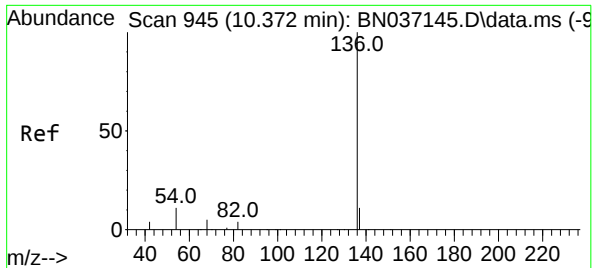
42 83.4 31.3 46.9#

71 62.5 38.2 57.2#



Abundance Scan 539 (6.773 min): BN037206.D\data.ms (-51

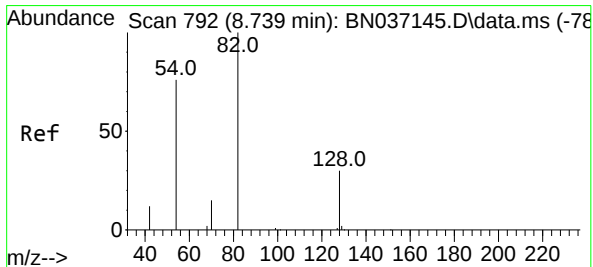
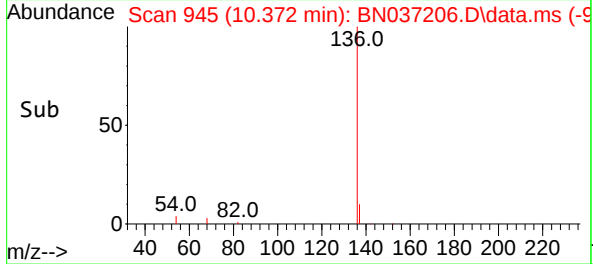
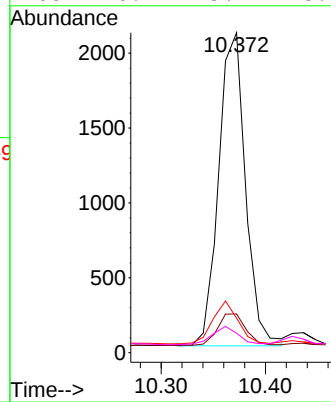
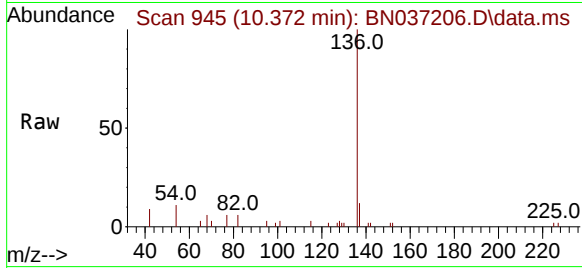




#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.372 min Scan# 945
Delta R.T. -0.000 min
Lab File: BN037206.D
Acq: 10 Jun 2025 00:24

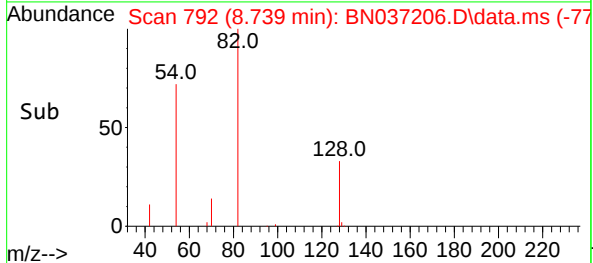
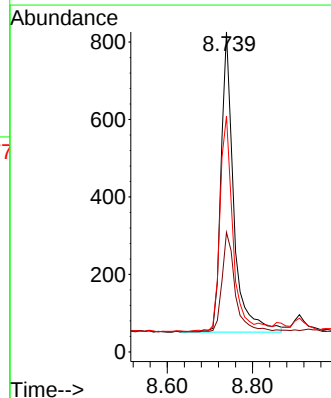
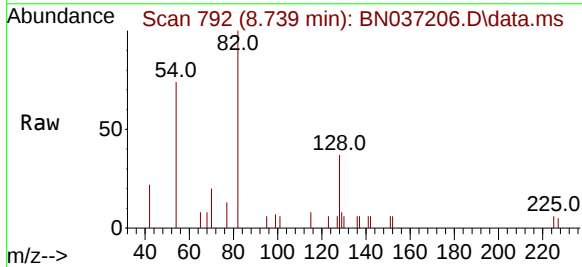
Instrument :
BNA_N
ClientSampleId :
MW-17B-55-060425

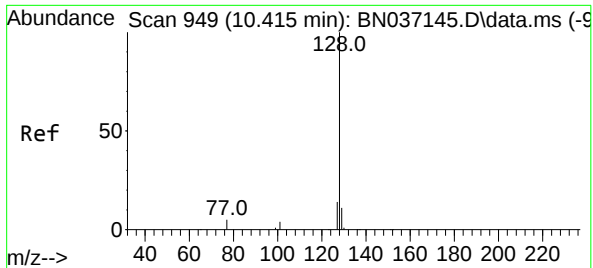
Tgt Ion:	136	Resp:	3747
Ion	Ratio	Lower	Upper
136	100		
137	12.1	9.7	14.5
54	10.8	9.7	14.5
68	6.1	5.4	8.2



#8
Nitrobenzene-d5
Concen: 0.405 ng
RT: 8.739 min Scan# 792
Delta R.T. -0.000 min
Lab File: BN037206.D
Acq: 10 Jun 2025 00:24

Tgt Ion:	82	Resp:	1600
Ion	Ratio	Lower	Upper
82	100		
128	37.4	26.9	40.3
54	73.7	61.4	92.2

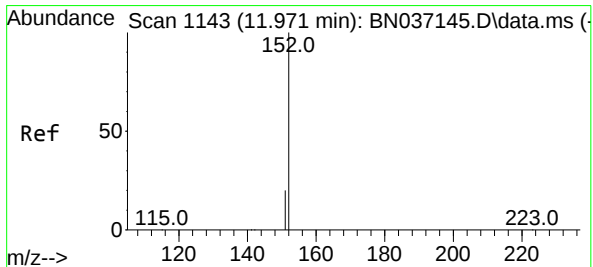
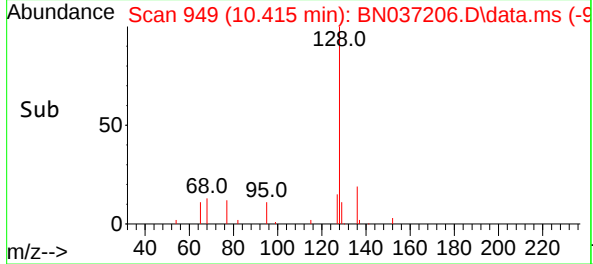
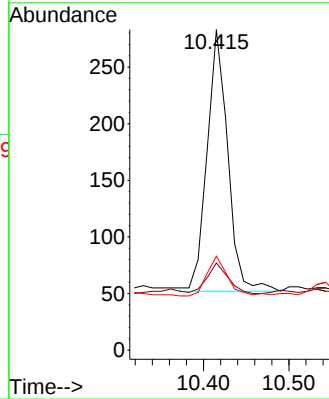
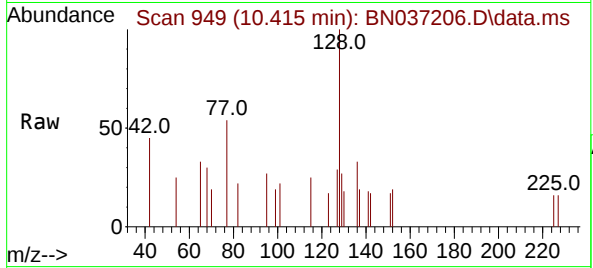




#9
Naphthalene
Concen: 0.036 ng
RT: 10.415 min Scan# 949
Delta R.T. -0.000 min
Lab File: BN037206.D
Acq: 10 Jun 2025 00:24

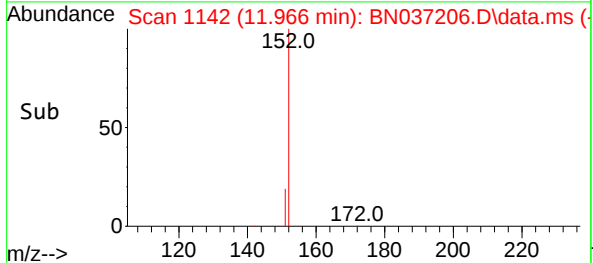
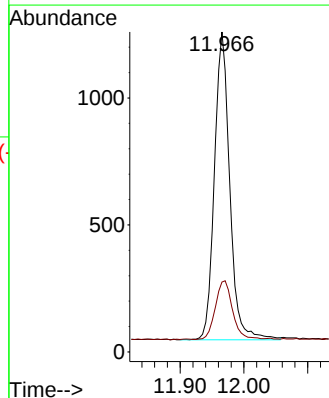
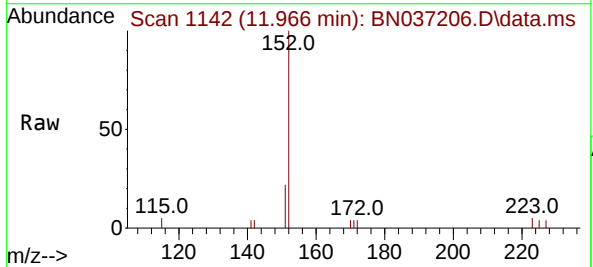
Instrument :
BNA_N
ClientSampleId :
MW-17B-55-060425

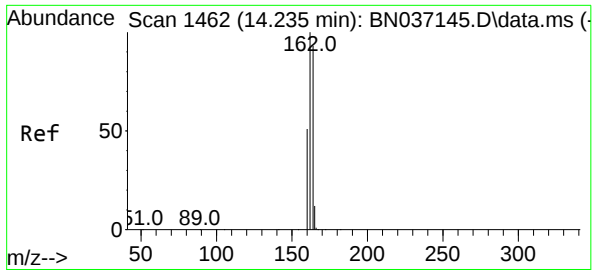
Tgt Ion:	128	Resp:	389
Ion	Ratio	Lower	Upper
128	100		
129	27.2	9.8	14.8#
127	29.3	12.3	18.5#



#11
2-Methylnaphthalene-d10
Concen: 0.388 ng
RT: 11.966 min Scan# 1142
Delta R.T. -0.005 min
Lab File: BN037206.D
Acq: 10 Jun 2025 00:24

Tgt Ion:	152	Resp:	2023
Ion	Ratio	Lower	Upper
152	100		
151	21.4	17.1	25.7

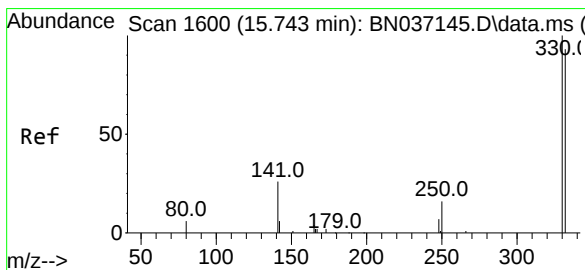
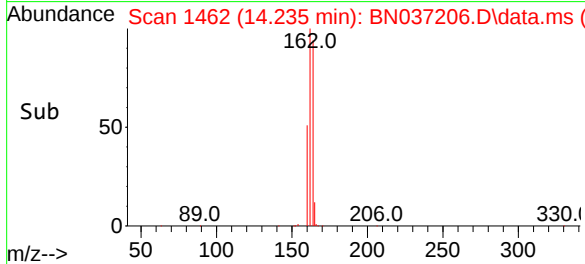
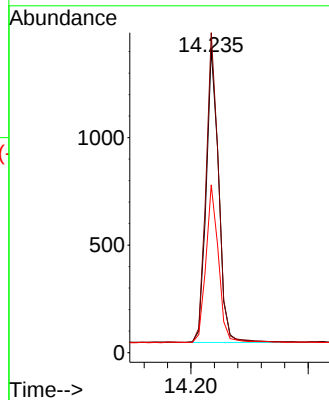
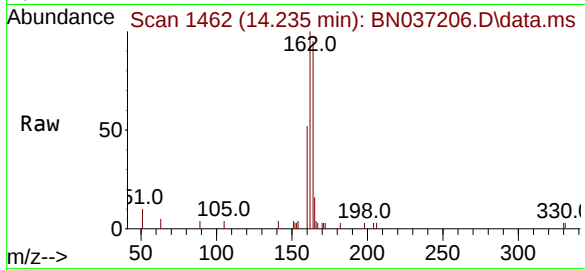




#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.235 min Scan# 1462
Delta R.T. -0.000 min
Lab File: BN037206.D
Acq: 10 Jun 2025 00:24

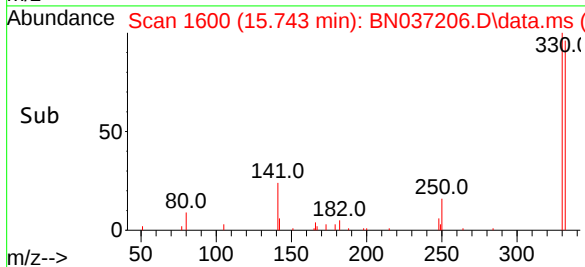
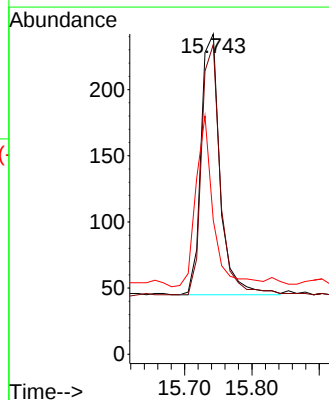
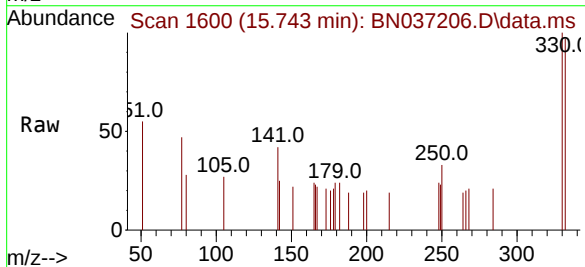
Instrument :
BNA_N
ClientSampleId :
MW-17B-55-060425

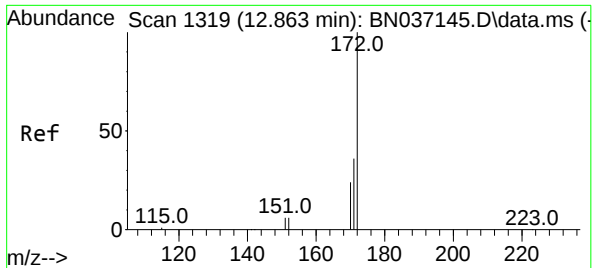
Tgt Ion:	164	Resp:	2035
Ion Ratio	Lower	Upper	
164	100		
162	105.5	85.5	128.3
160	55.3	44.6	67.0



#14
2,4,6-Tribromophenol
Concen: 0.476 ng
RT: 15.743 min Scan# 1600
Delta R.T. -0.000 min
Lab File: BN037206.D
Acq: 10 Jun 2025 00:24

Tgt Ion:	330	Resp:	390
Ion Ratio	Lower	Upper	
330	100		
332	94.4	77.1	115.7
141	60.5	46.4	69.6

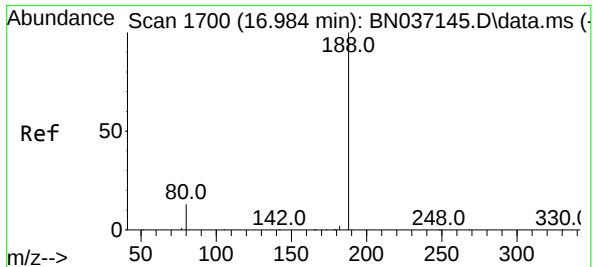
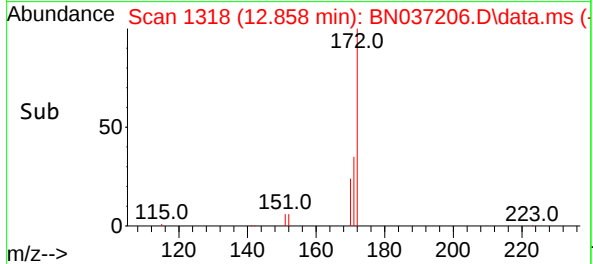
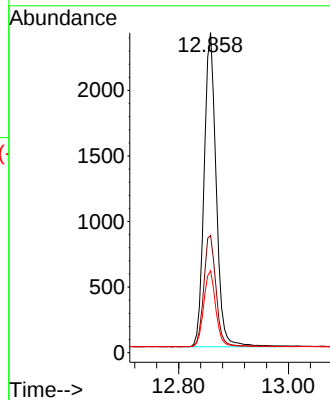
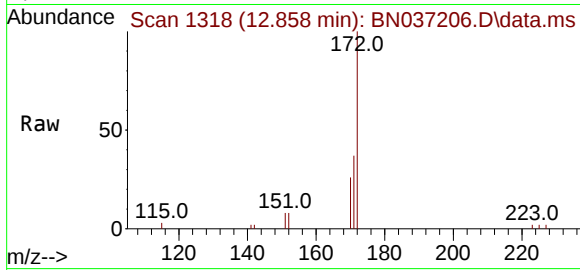




#15
2-Fluorobiphenyl
Concen: 0.422 ng
RT: 12.858 min Scan# 11
Delta R.T. -0.005 min
Lab File: BN037206.D
Acq: 10 Jun 2025 00:24

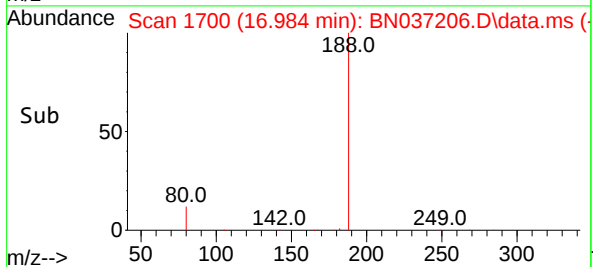
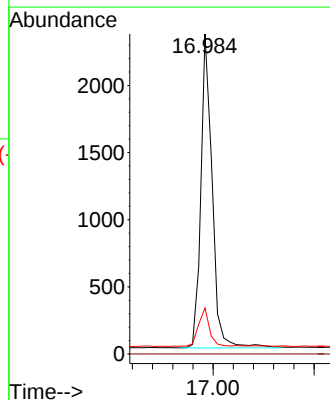
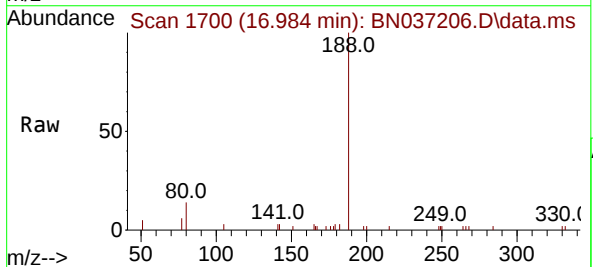
Instrument :
BNA_N
ClientSampleId :
MW-17B-55-060425

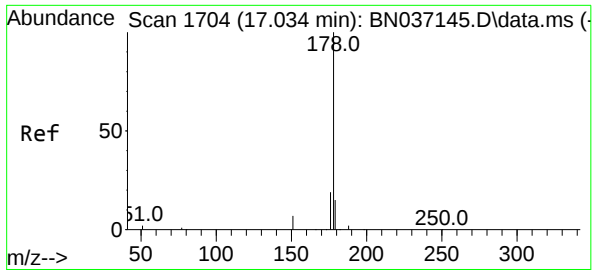
Tgt Ion:	172	Resp:	3663
Ion	Ratio	Lower	Upper
172	100		
171	36.7	29.6	44.4
170	25.6	20.3	30.5



#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 16.984 min Scan# 1700
Delta R.T. -0.000 min
Lab File: BN037206.D
Acq: 10 Jun 2025 00:24

Tgt Ion:	188	Resp:	3650
Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	14.4	11.3	16.9

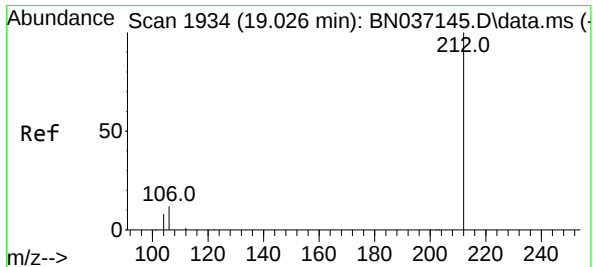
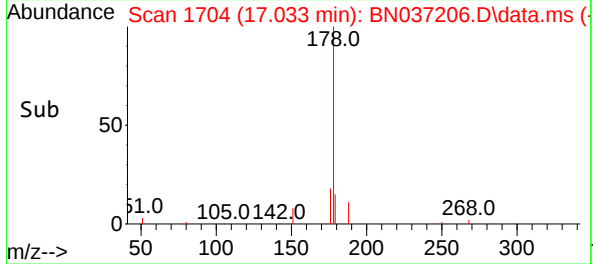
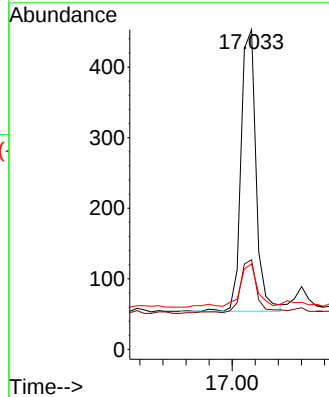
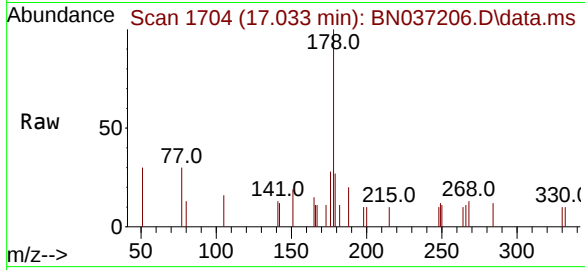




#25
Phenanthrene
Concen: 0.061 ng
RT: 17.033 min Scan# 1704
Delta R.T. -0.000 min
Lab File: BN037206.D
Acq: 10 Jun 2025 00:24

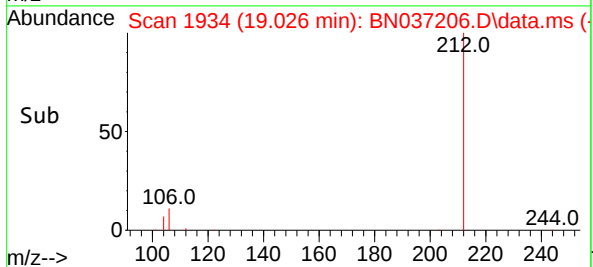
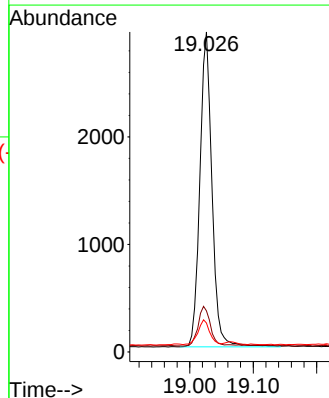
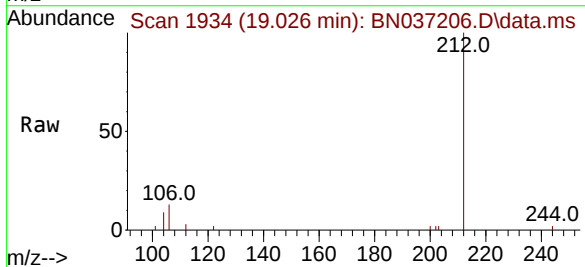
Instrument :
BNA_N
ClientSampleId :
MW-17B-55-060425

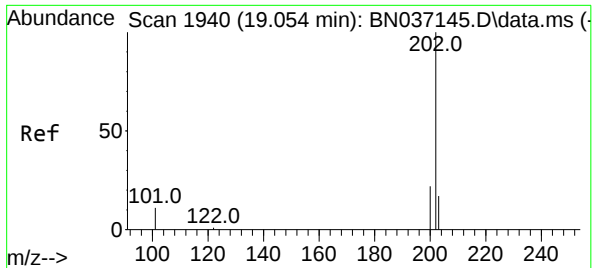
Tgt Ion:	178	Resp:	719
Ion	Ratio	Lower	Upper
178	100		
176	22.1	15.7	23.5
179	16.6	12.3	18.5



#27
Fluoranthene-d10
Concen: 0.418 ng
RT: 19.026 min Scan# 1934
Delta R.T. -0.000 min
Lab File: BN037206.D
Acq: 10 Jun 2025 00:24

Tgt Ion:	212	Resp:	3879
Ion	Ratio	Lower	Upper
212	100		
106	13.1	10.6	15.8
104	7.7	6.6	9.8





#28

Fluoranthene

Concen: 0.023 ng

RT: 19.054 min Scan# 1940

Delta R.T. -0.000 min

Lab File: BN037206.D

Acq: 10 Jun 2025 00:24

Instrument :

BNA_N

ClientSampleId :

MW-17B-55-060425

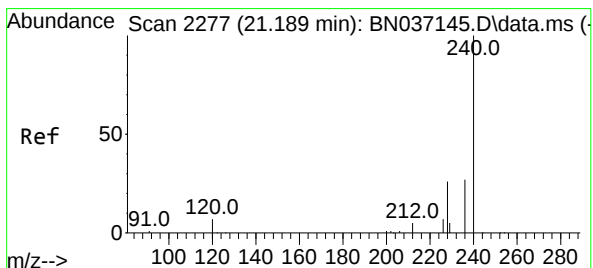
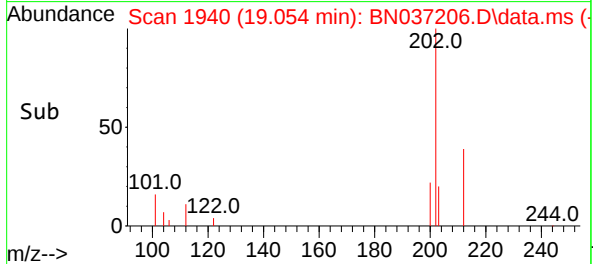
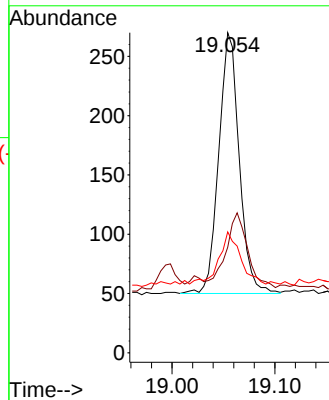
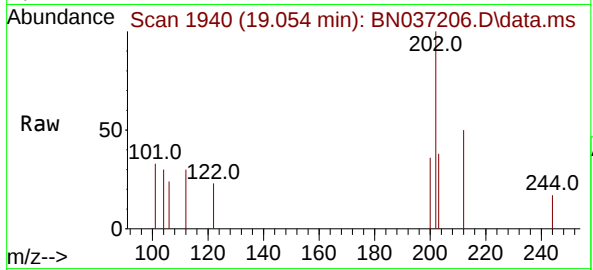
Tgt Ion:202 Resp: 305

Ion Ratio Lower Upper

202 100

101 31.8 8.7 13.1#

203 22.0 13.5 20.3#



#29

Chrysene-d12

Concen: 0.400 ng

RT: 21.189 min Scan# 2277

Delta R.T. -0.000 min

Lab File: BN037206.D

Acq: 10 Jun 2025 00:24

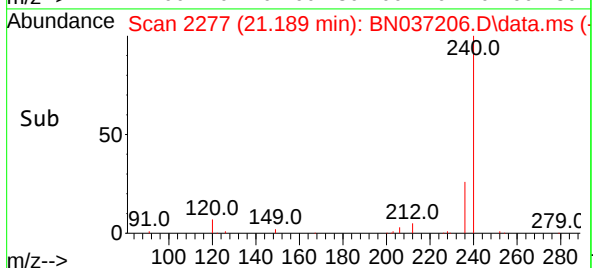
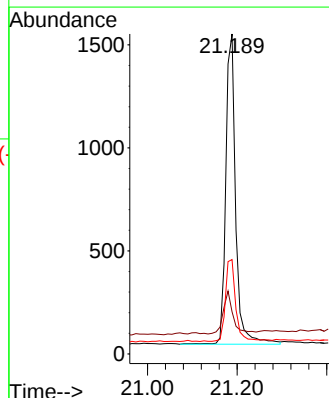
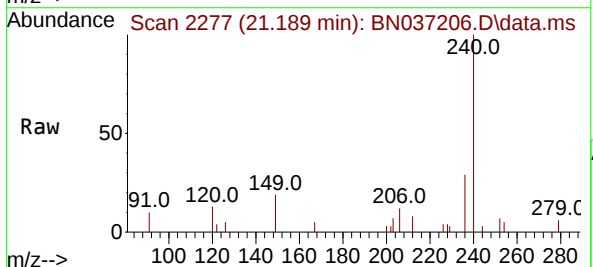
Tgt Ion:240 Resp: 2308

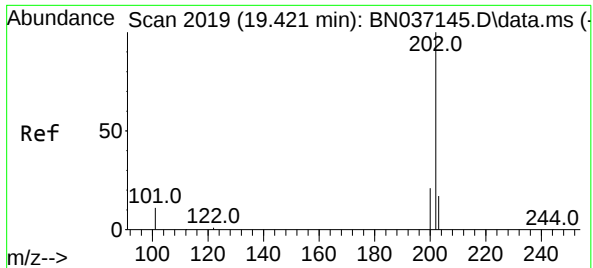
Ion Ratio Lower Upper

240 100

120 13.2 9.0 13.4

236 29.5 23.0 34.4

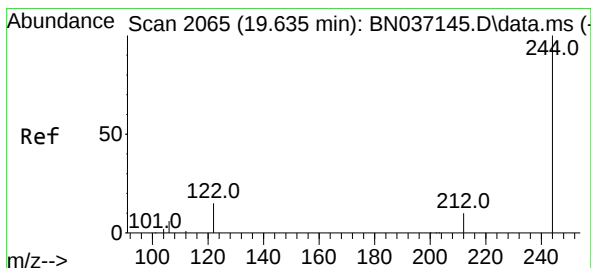
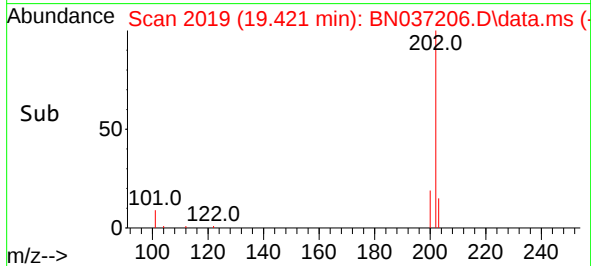
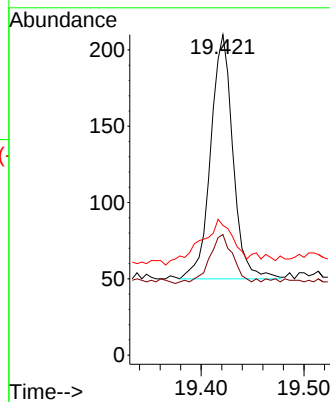
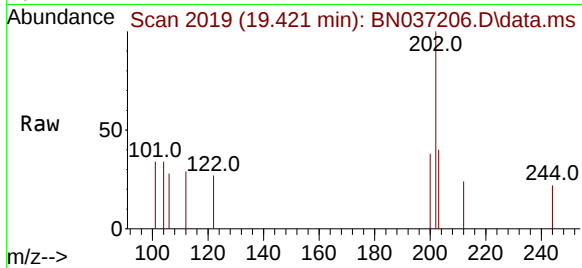




#30
Pyrene
Concen: 0.021 ng
RT: 19.421 min Scan# 2019
Delta R.T. -0.000 min
Lab File: BN037206.D
Acq: 10 Jun 2025 00:24

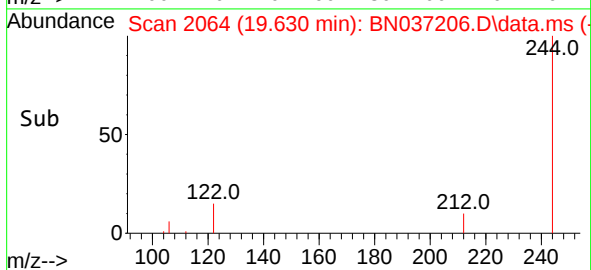
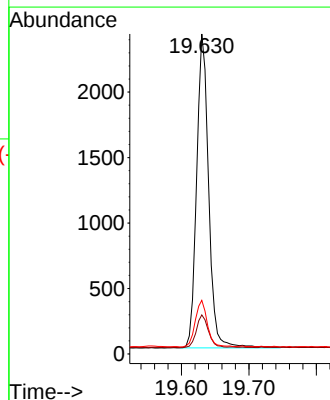
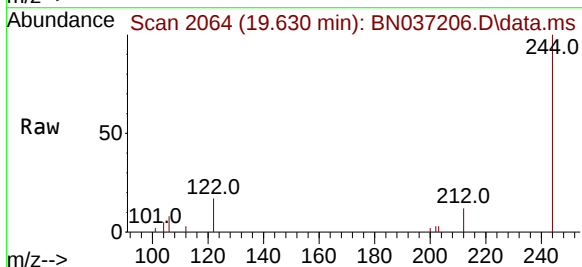
Instrument :
BNA_N
ClientSampleId :
MW-17B-55-060425

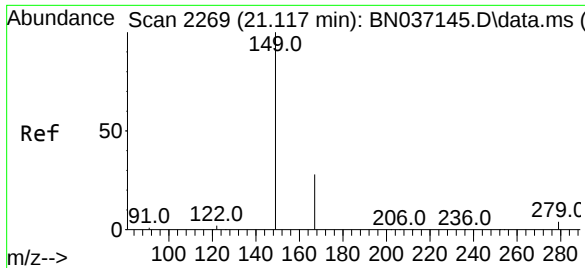
Tgt Ion:202	Resp:	241
Ion	Ratio	Lower Upper
202	100	
200	21.2	17.0 25.6
203	27.4	14.2 21.4



#31
Terphenyl-d14
Concen: 0.547 ng
RT: 19.630 min Scan# 2064
Delta R.T. -0.005 min
Lab File: BN037206.D
Acq: 10 Jun 2025 00:24

Tgt Ion:244	Resp:	2970
Ion	Ratio	Lower Upper
244	100	
212	12.2	10.0 15.0
122	16.8	13.2 19.8

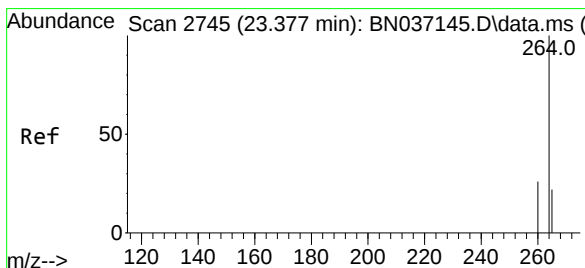
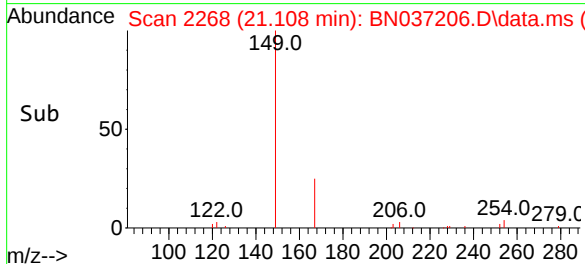
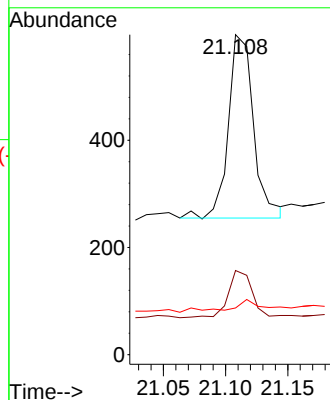
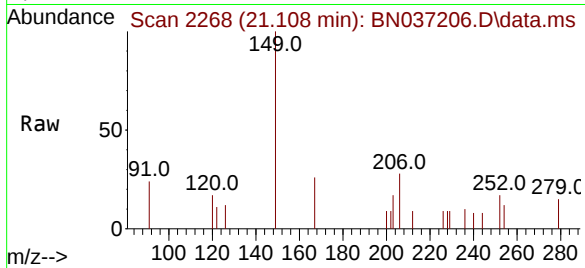




#34
Bis(2-ethylhexyl)phthalate
Concen: 0.092 ng
RT: 21.108 min Scan# 21108
Delta R.T. -0.009 min
Lab File: BN037206.D
Acq: 10 Jun 2025 00:24

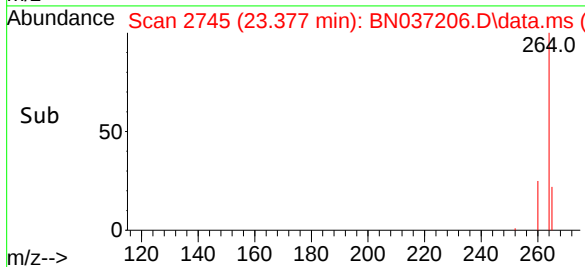
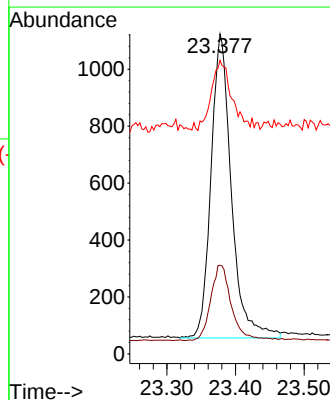
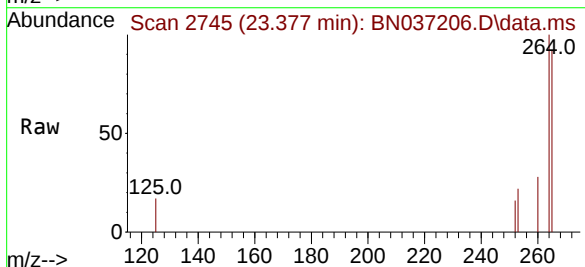
Instrument :
BNA_N
ClientSampleId :
MW-17B-55-060425

Tgt Ion:149 Resp: 484
Ion Ratio Lower Upper
149 100
167 24.4 21.0 31.4
279 5.4 2.9 4.3#



#35
Perylene-d12
Concen: 0.400 ng
RT: 23.377 min Scan# 2745
Delta R.T. -0.000 min
Lab File: BN037206.D
Acq: 10 Jun 2025 00:24

Tgt Ion:264 Resp: 2201
Ion Ratio Lower Upper
264 100
260 27.7 22.1 33.1
265 91.7 55.8 83.8#



Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN060925\
 Data File : BN037207.D
 Acq On : 10 Jun 2025 01:00
 Operator : RC/JU
 Sample : Q2234-05
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 MW-18B-56-060425

A
B
C
D
E
F
G
H
I
J
K

Quant Time: Jun 10 04:05:16 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN060325.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jun 04 01:52:03 2025
 Response via : Initial Calibration

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

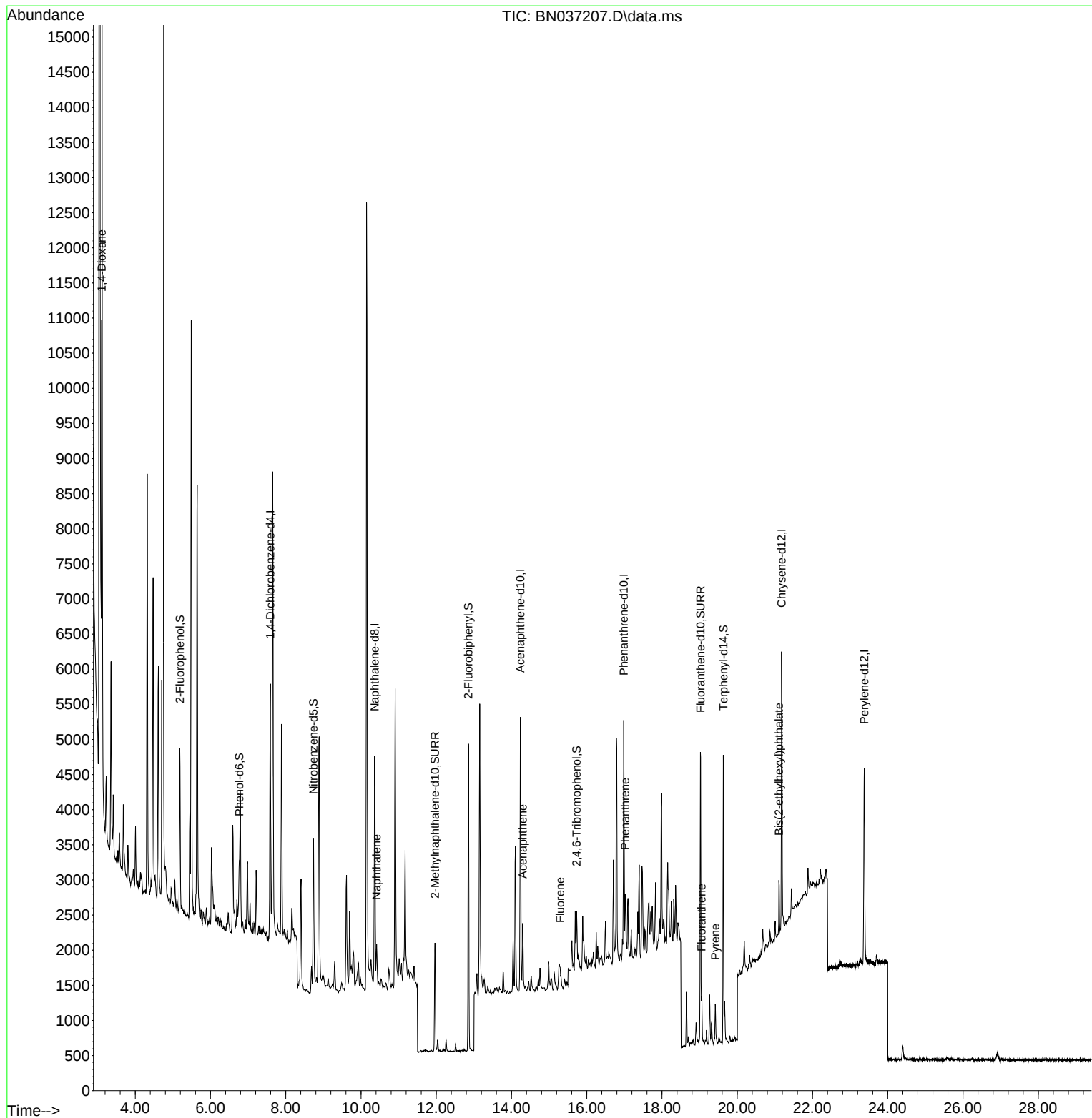
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.589	152	1612	0.400	ng	0.00
7) Naphthalene-d8	10.362	136	4076	0.400	ng	#-0.01
13) Acenaphthene-d10	14.235	164	2065	0.400	ng	0.00
19) Phenanthrene-d10	16.984	188	4042	0.400	ng	0.00
29) Chrysene-d12	21.180	240	3508	0.400	ng	# 0.00
35) Perylene-d12	23.377	264	3584	0.400	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.184	112	859	0.215	ng	0.00
5) Phenol-d6	6.766	99	670	0.139	ng	0.00
8) Nitrobenzene-d5	8.739	82	1794	0.417	ng	0.00
11) 2-Methylnaphthalene-d10	11.965	152	2119	0.373	ng	0.00
14) 2,4,6-Tribromophenol	15.730	330	407	0.490	ng	-0.01
15) 2-Fluorobiphenyl	12.853	172	3753	0.426	ng	-0.01
27) Fluoranthene-d10	19.026	212	4719	0.459	ng	0.00
31) Terphenyl-d14	19.630	244	3566	0.432	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	3.112	88	6378	2.968	ng	# 78
9) Naphthalene	10.415	128	623	0.053	ng	# 76
17) Acenaphthene	14.299	154	244	0.037	ng	98
18) Fluorene	15.293	166	176	0.020	ng	90
25) Phenanthrene	17.021	178	963	0.074	ng	96
28) Fluoranthene	19.054	202	509	0.035	ng	96
30) Pyrene	19.416	202	483	0.028	ng	# 93
34) Bis(2-ethylhexyl)phtha...	21.108	149	831	0.104	ng	# 99

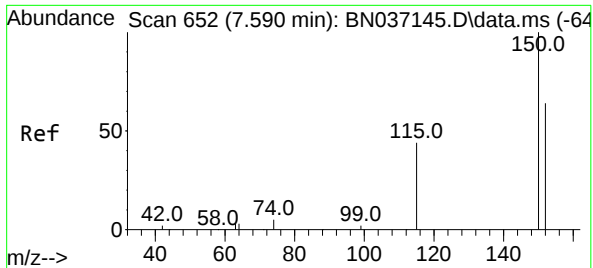
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN060925\
Data File : BN037207.D
Acq On : 10 Jun 2025 01:00
Operator : RC/JU
Sample : Q2234-05
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
MW-18B-56-060425

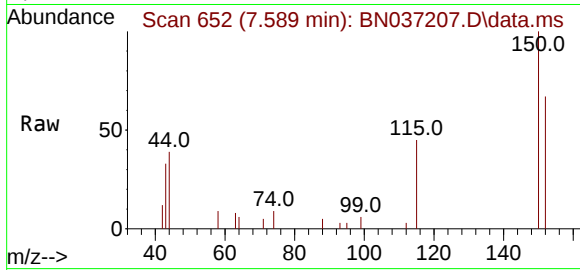
Quant Time: Jun 10 04:05:16 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN060325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jun 04 01:52:03 2025
Response via : Initial Calibration



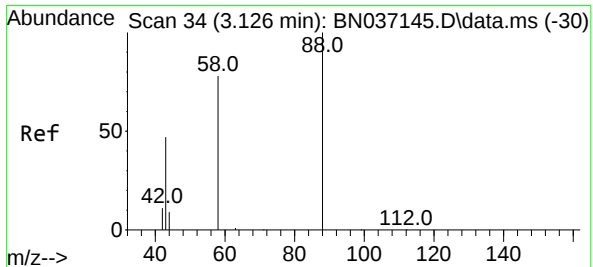
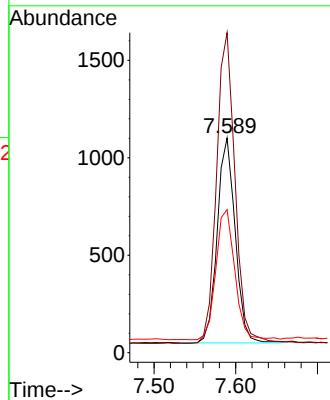
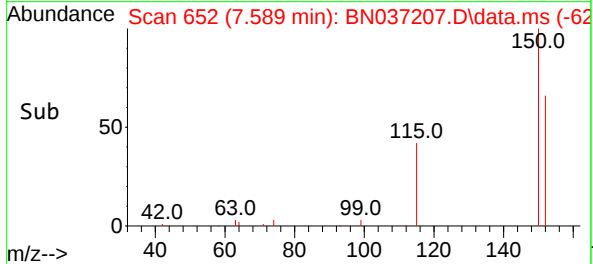


#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.589 min Scan# 61
Delta R.T. -0.001 min
Lab File: BN037207.D
Acq: 10 Jun 2025 01:00

Instrument :
BNA_N
ClientSampleId :
MW-18B-56-060425

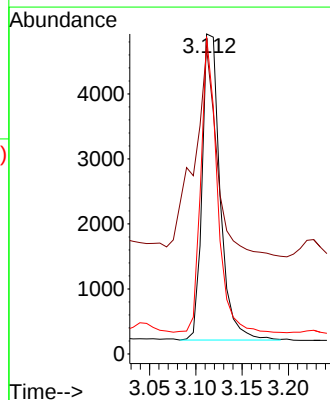
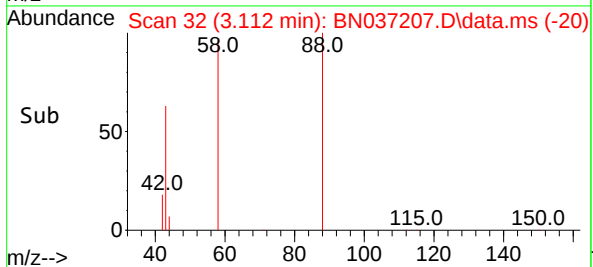
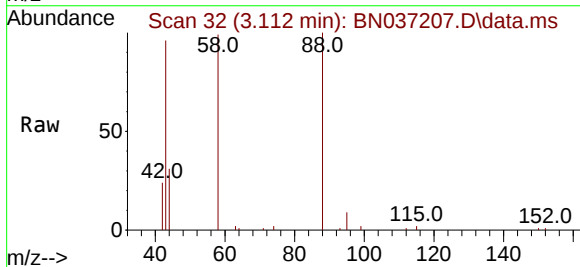


Tgt Ion: 152 Resp: 1612
Ion Ratio Lower Upper
152 100
150 149.0 123.2 184.8
115 66.6 56.6 85.0

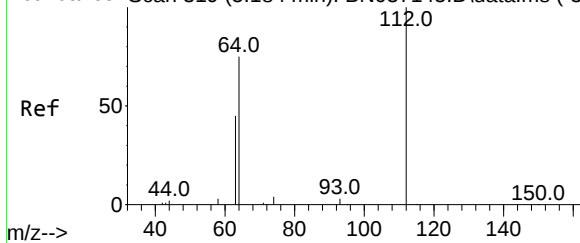


#2
1,4-Dioxane
Concen: 2.968 ng
RT: 3.112 min Scan# 32
Delta R.T. -0.015 min
Lab File: BN037207.D
Acq: 10 Jun 2025 01:00

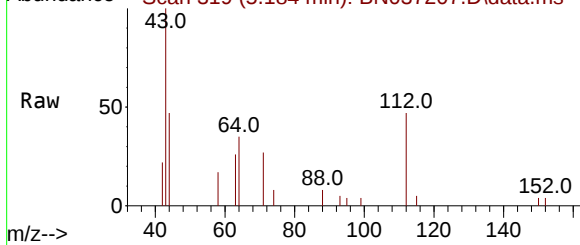
Tgt Ion: 88 Resp: 6378
Ion Ratio Lower Upper
88 100
43 90.2 43.5 65.3#
58 87.7 67.7 101.5



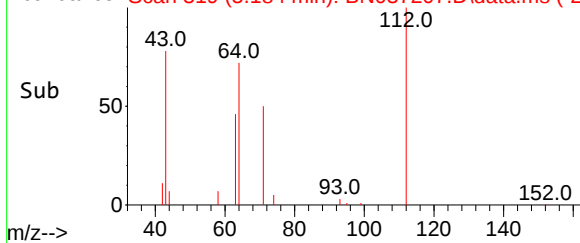
Abundance Scan 319 (5.184 min): BN037145.D\data.ms (-31



Abundance Scan 319 (5.184 min): BN037207.D\data.ms



Abundance Scan 319 (5.184 min): BN037207.D\data.ms (-29



#4

2-Fluorophenol

Concen: 0.215 ng

RT: 5.184 min Scan# 31

Delta R.T. -0.000 min

Lab File: BN037207.D

Acq: 10 Jun 2025 01:00

Instrument :

BNA_N

ClientSampleId :

MW-18B-56-060425

Tgt Ion:112 Resp: 859

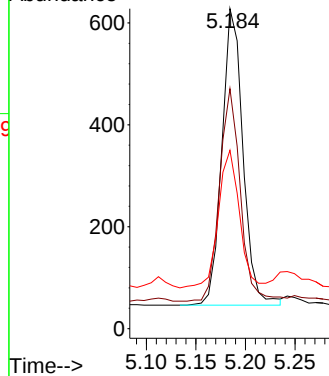
Ion Ratio Lower Upper

112 100

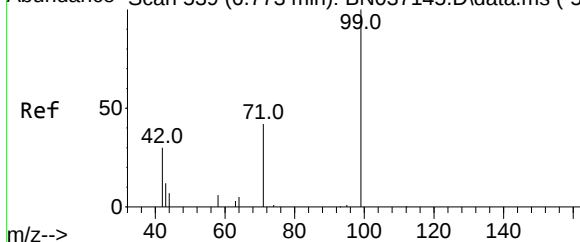
64 70.7 56.3 84.5

63 46.2 36.2 54.4

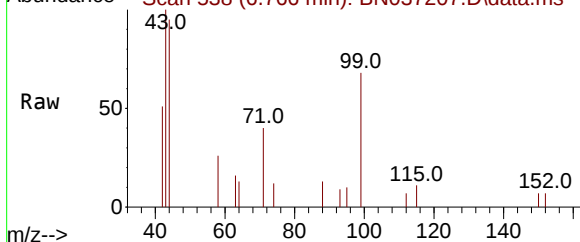
Abundance



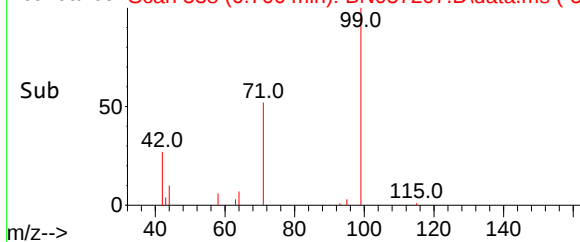
Abundance Scan 539 (6.773 min): BN037145.D\data.ms (-53



Abundance Scan 538 (6.766 min): BN037207.D\data.ms



Abundance Scan 538 (6.766 min): BN037207.D\data.ms (-51



#5

Phenol-d6

Concen: 0.139 ng

RT: 6.766 min Scan# 538

Delta R.T. -0.007 min

Lab File: BN037207.D

Acq: 10 Jun 2025 01:00

Tgt Ion: 99 Resp: 670

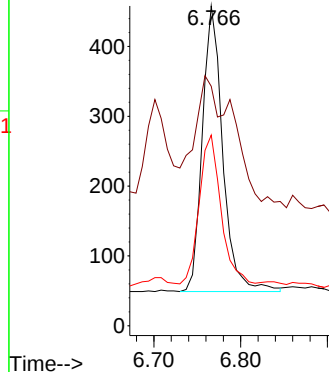
Ion Ratio Lower Upper

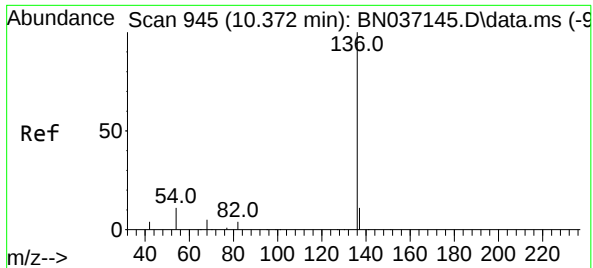
99 100

42 89.0 31.3 46.9#

71 55.5 38.2 57.2

Abundance

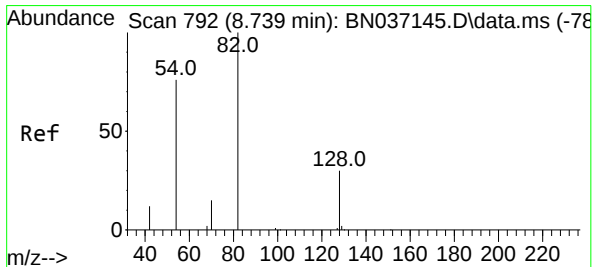
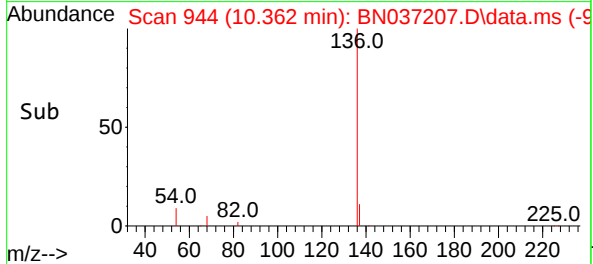
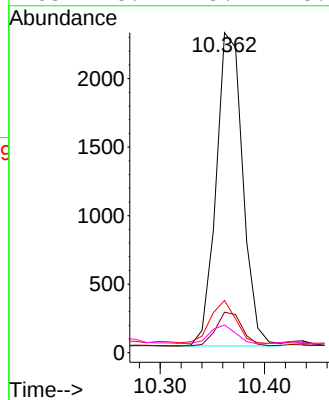
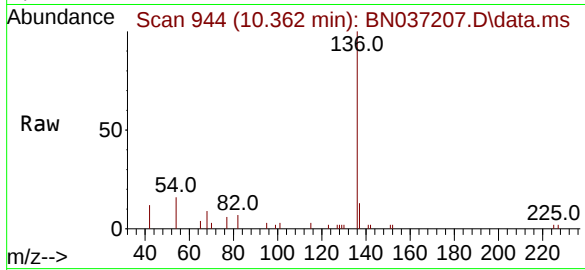




#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.362 min Scan# 945
Delta R.T. -0.011 min
Lab File: BN037207.D
Acq: 10 Jun 2025 01:00

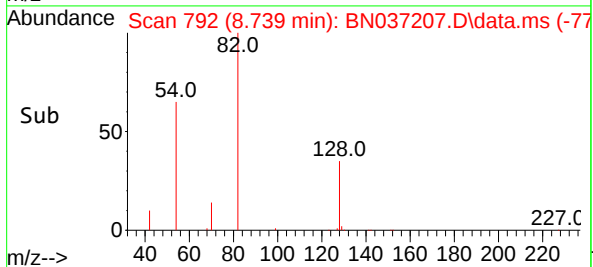
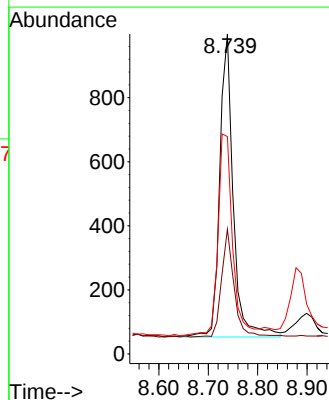
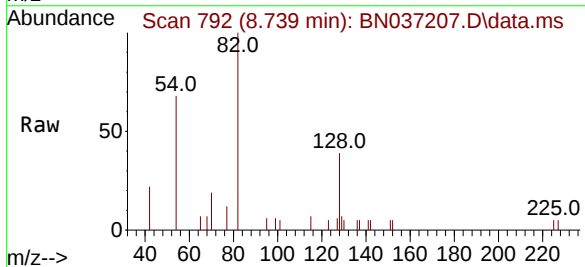
Instrument :
BNA_N
ClientSampleId :
MW-18B-56-060425

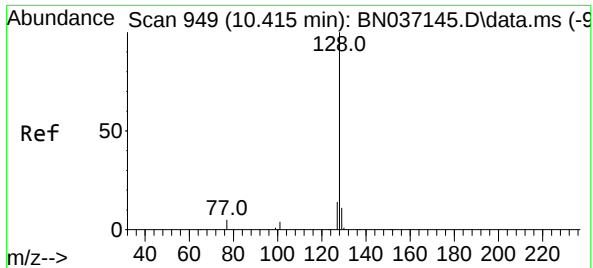
Tgt Ion:	136	Resp:	4076
Ion	Ratio	Lower	Upper
136	100		
137	12.7	9.7	14.5
54	16.3	9.7	14.5#
68	8.7	5.4	8.2#



#8
Nitrobenzene-d5
Concen: 0.417 ng
RT: 8.739 min Scan# 792
Delta R.T. -0.000 min
Lab File: BN037207.D
Acq: 10 Jun 2025 01:00

Tgt Ion:	82	Resp:	1794
Ion	Ratio	Lower	Upper
82	100		
128	38.9	26.9	40.3
54	68.0	61.4	92.2

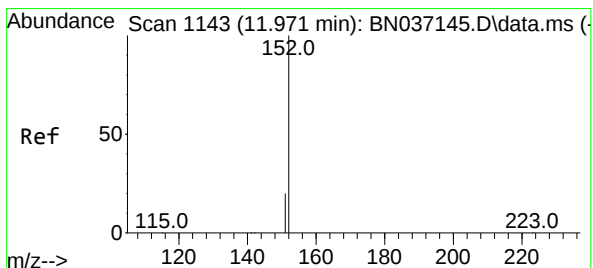
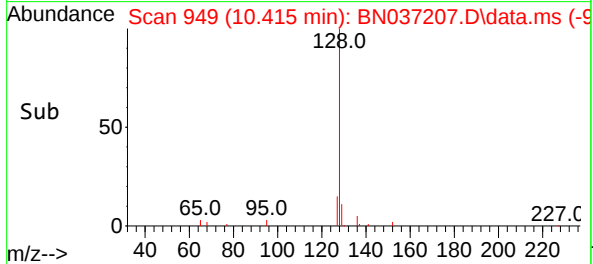
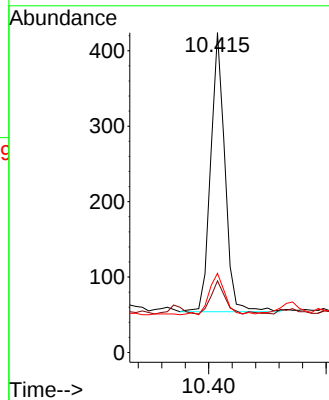
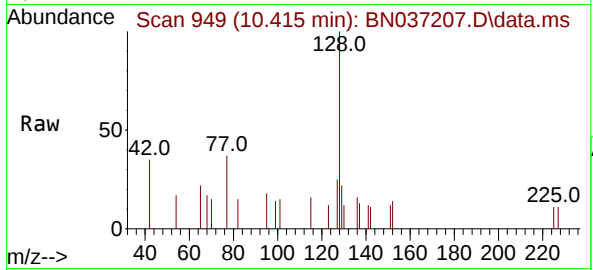




#9
Naphthalene
Concen: 0.053 ng
RT: 10.415 min Scan# 949
Delta R.T. -0.000 min
Lab File: BN037207.D
Acq: 10 Jun 2025 01:00

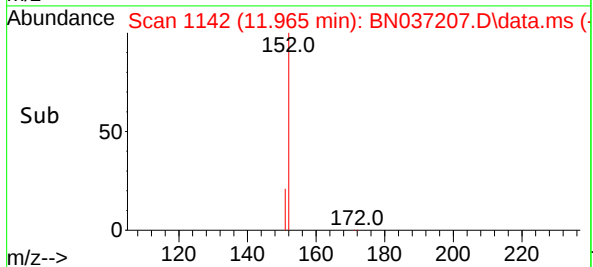
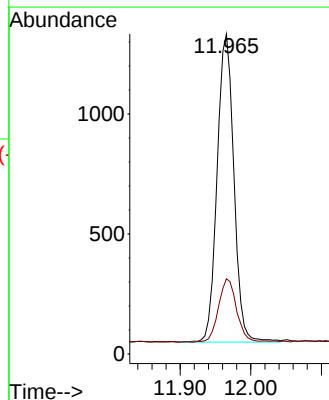
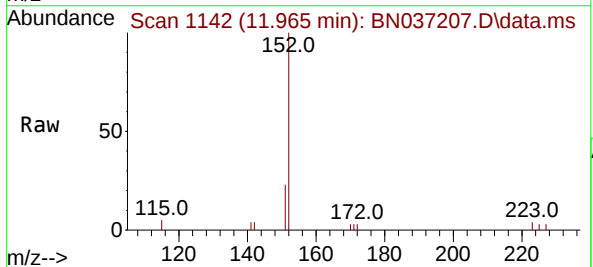
Instrument :
BNA_N
ClientSampleId :
MW-18B-56-060425

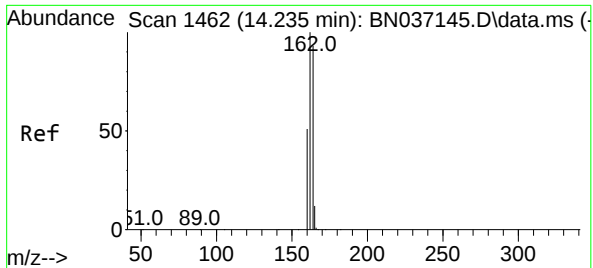
Tgt Ion:	128	Resp:	623
Ion	Ratio	Lower	Upper
128	100		
129	22.4	9.8	14.8#
127	24.8	12.3	18.5#



#11
2-Methylnaphthalene-d10
Concen: 0.373 ng
RT: 11.965 min Scan# 1142
Delta R.T. -0.005 min
Lab File: BN037207.D
Acq: 10 Jun 2025 01:00

Tgt Ion:	152	Resp:	2119
Ion	Ratio	Lower	Upper
152	100		
151	22.1	17.1	25.7

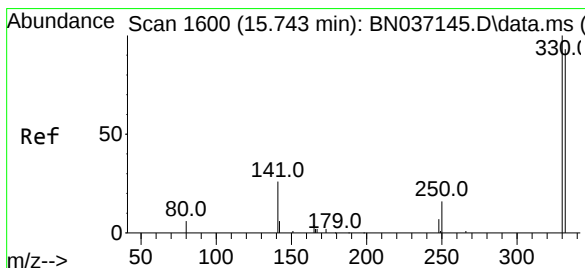
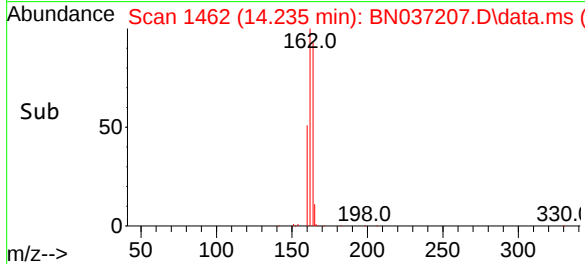
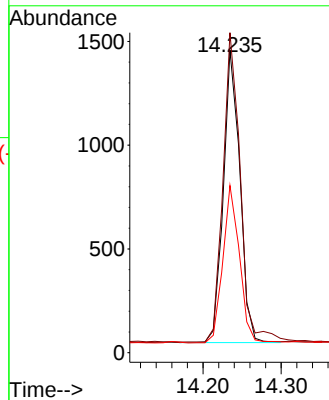
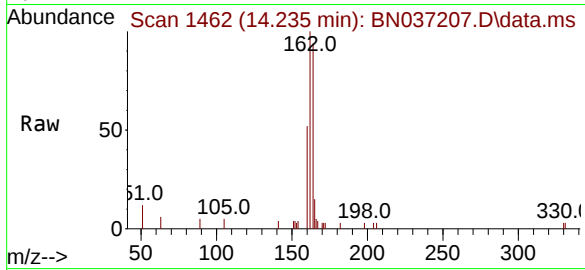




#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.235 min Scan# 1462
Delta R.T. -0.000 min
Lab File: BN037207.D
Acq: 10 Jun 2025 01:00

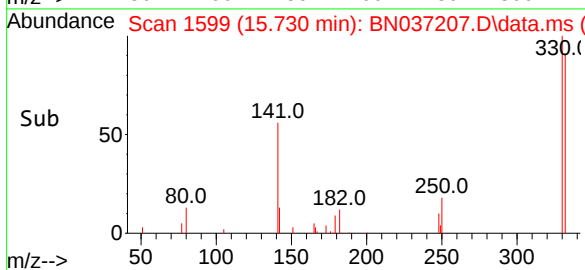
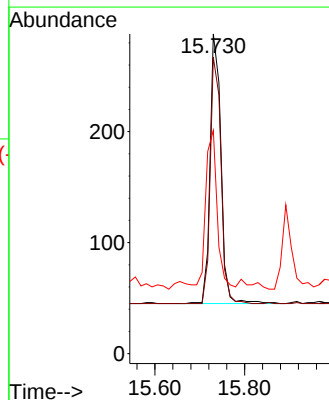
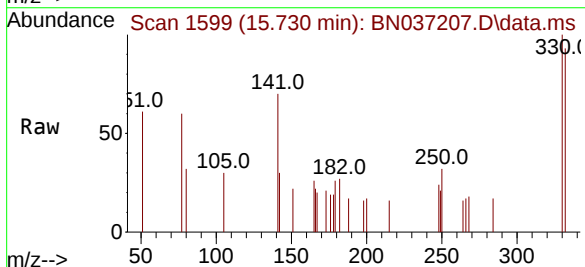
Instrument :
BNA_N
ClientSampleId :
MW-18B-56-060425

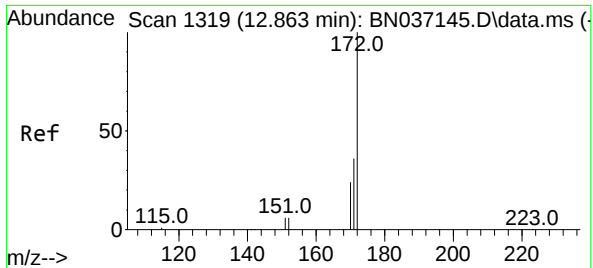
Tgt Ion:	164	Resp:	2065
Ion Ratio	Lower	Upper	
164	100		
162	105.8	85.5	128.3
160	55.3	44.6	67.0



#14
2,4,6-Tribromophenol
Concen: 0.490 ng
RT: 15.730 min Scan# 1599
Delta R.T. -0.013 min
Lab File: BN037207.D
Acq: 10 Jun 2025 01:00

Tgt Ion:	330	Resp:	407
Ion Ratio	Lower	Upper	
330	100		
332	89.9	77.1	115.7
141	62.2	46.4	69.6





#15

2-Fluorobiphenyl

Concen: 0.426 ng

RT: 12.853 min Scan# 1317

Delta R.T. -0.010 min

Lab File: BN037207.D

Acq: 10 Jun 2025 01:00

Instrument :

BNA_N

ClientSampleId :

MW-18B-56-060425

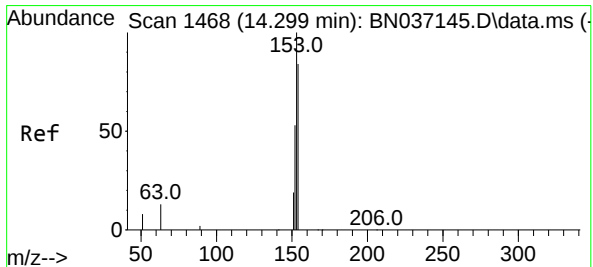
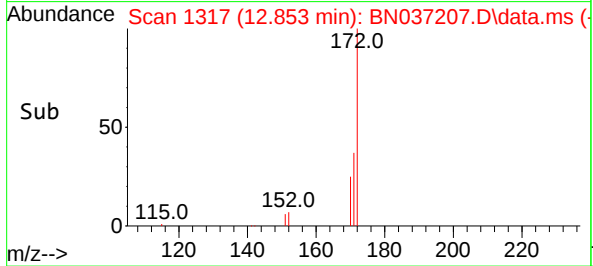
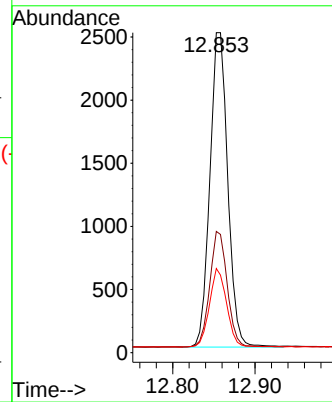
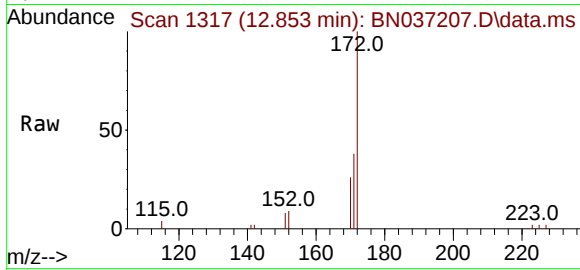
Tgt Ion:172 Resp: 3753

Ion Ratio Lower Upper

172 100

171 37.9 29.6 44.4

170 26.3 20.3 30.5



#17

Acenaphthene

Concen: 0.037 ng

RT: 14.299 min Scan# 1468

Delta R.T. -0.000 min

Lab File: BN037207.D

Acq: 10 Jun 2025 01:00

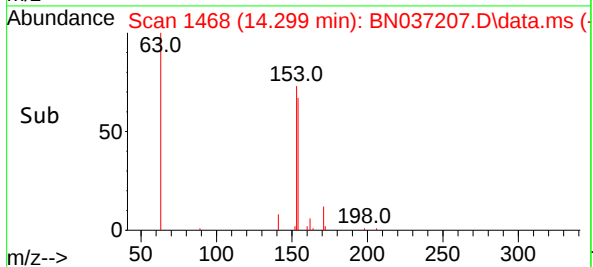
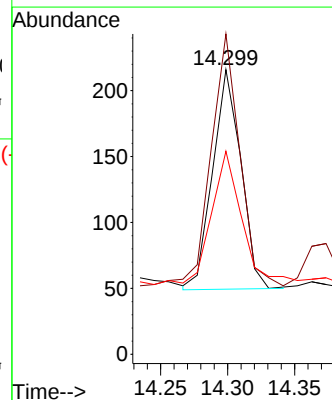
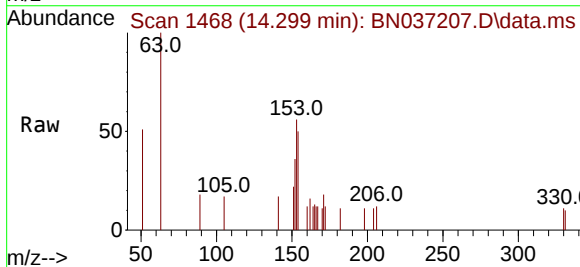
Tgt Ion:154 Resp: 244

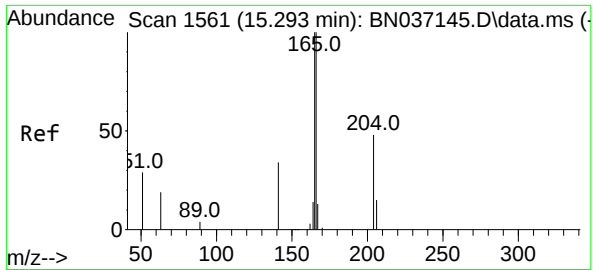
Ion Ratio Lower Upper

154 100

153 116.4 93.8 140.8

152 66.0 50.5 75.7

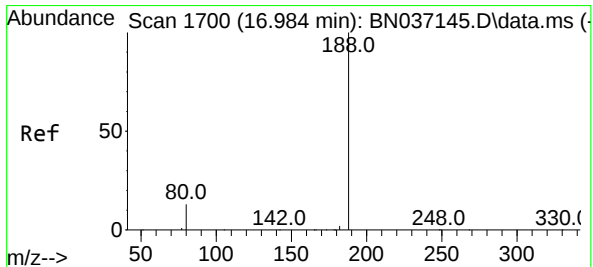
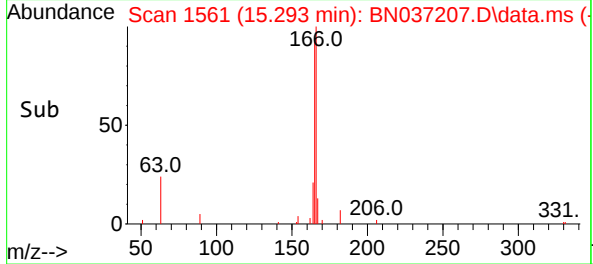
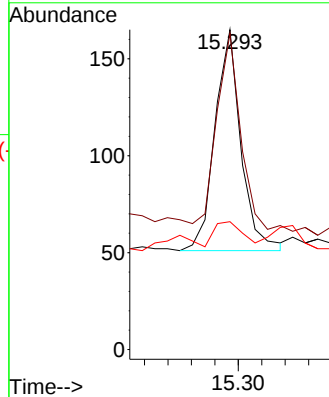
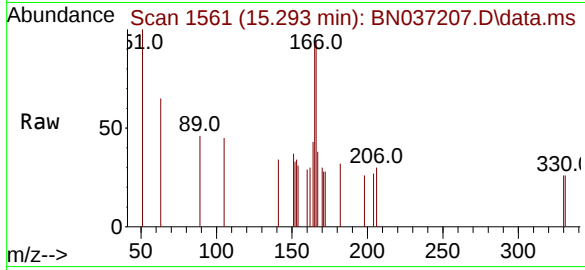




#18
Fluorene
Concen: 0.020 ng
RT: 15.293 min Scan# 1561
Delta R.T. -0.000 min
Lab File: BN037207.D
Acq: 10 Jun 2025 01:00

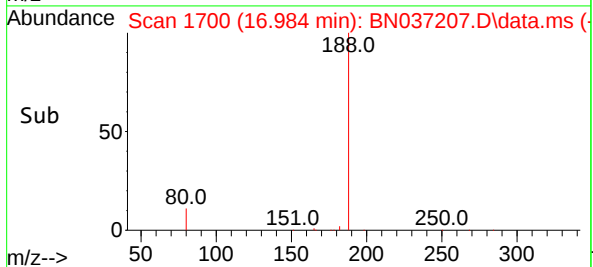
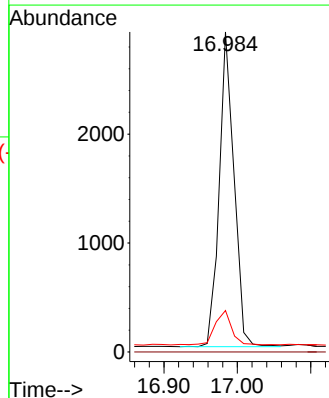
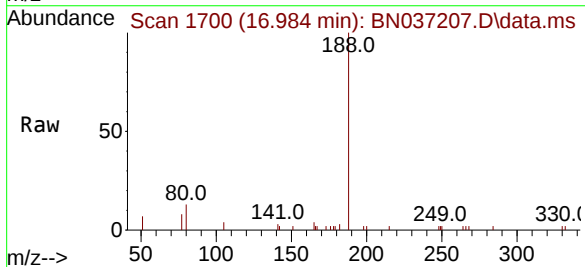
Instrument :
BNA_N
ClientSampleId :
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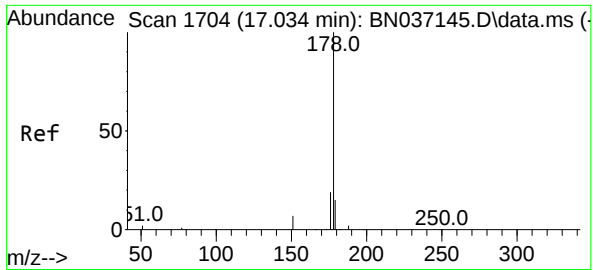
Tgt Ion:	166	Resp:	176
Ion Ratio	Lower	Upper	
166	100		
165	90.3	81.1	121.7
167	13.1	10.8	16.2



#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 16.984 min Scan# 1700
Delta R.T. -0.000 min
Lab File: BN037207.D
Acq: 10 Jun 2025 01:00

Tgt Ion:	188	Resp:	4042
Ion Ratio	Lower	Upper	
188	100		
94	0.0	0.0	0.0
80	12.9	11.3	16.9

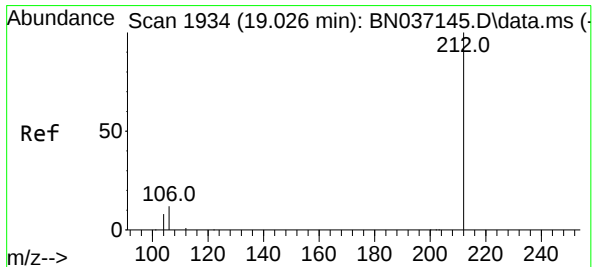
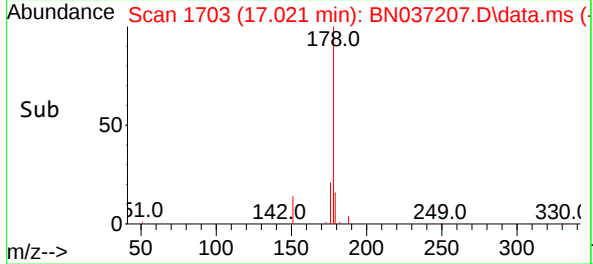
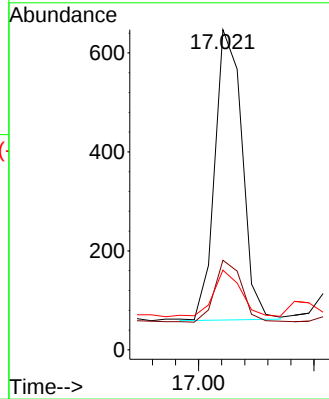
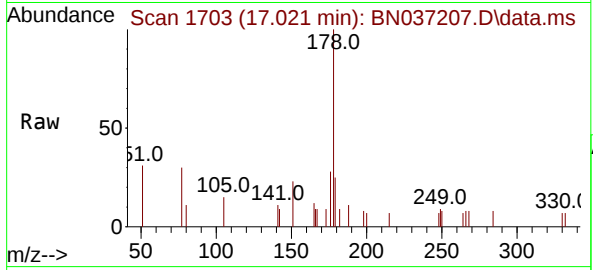




#25
Phenanthrene
Concen: 0.074 ng
RT: 17.021 min Scan# 1703
Delta R.T. -0.013 min
Lab File: BN037207.D
Acq: 10 Jun 2025 01:00

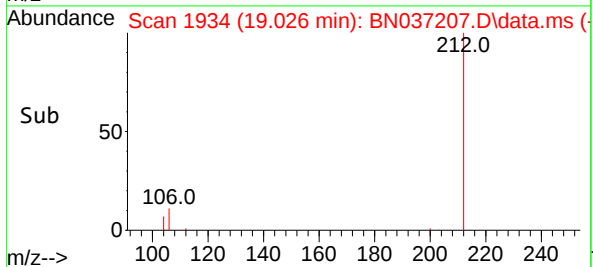
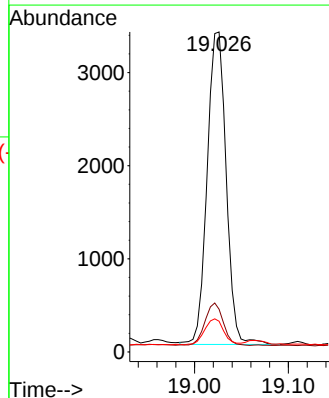
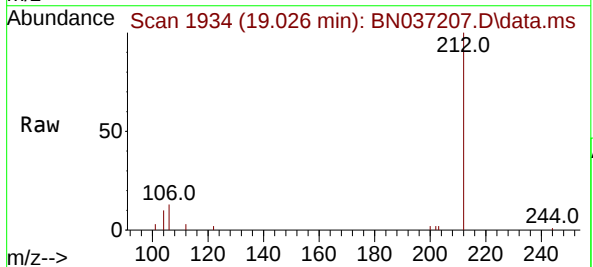
Instrument :
BNA_N
ClientSampleId :
MW-18B-56-060425

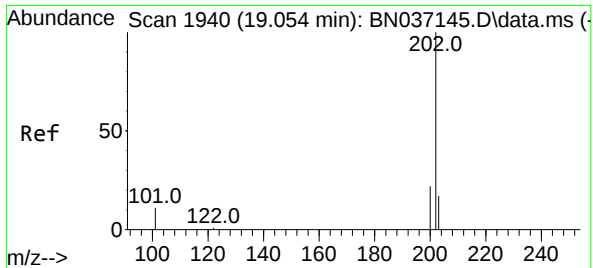
Tgt Ion:	178	Resp:	963
Ion	Ratio	Lower	Upper
178	100		
176	21.3	15.7	23.5
179	16.8	12.3	18.5



#27
Fluoranthene-d10
Concen: 0.459 ng
RT: 19.026 min Scan# 1934
Delta R.T. -0.000 min
Lab File: BN037207.D
Acq: 10 Jun 2025 01:00

Tgt Ion:	212	Resp:	4719
Ion	Ratio	Lower	Upper
212	100		
106	13.0	10.6	15.8
104	8.3	6.6	9.8





#28

Fluoranthene

Concen: 0.035 ng

RT: 19.054 min Scan# 1940

Delta R.T. -0.000 min

Lab File: BN037207.D

Acq: 10 Jun 2025 01:00

Instrument :

BNA_N

ClientSampleId :

MW-18B-56-060425

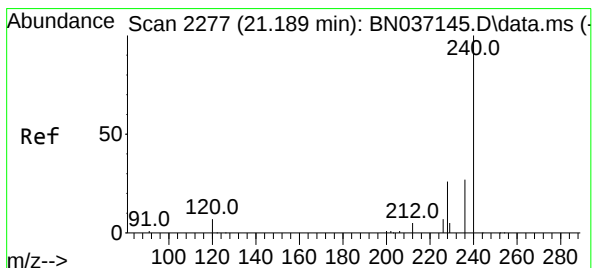
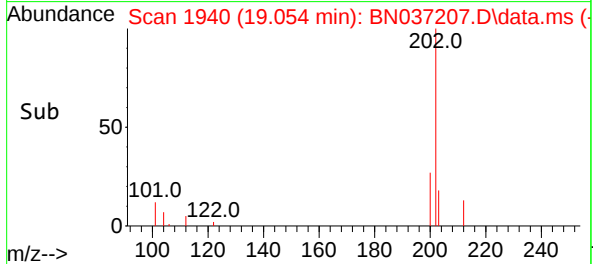
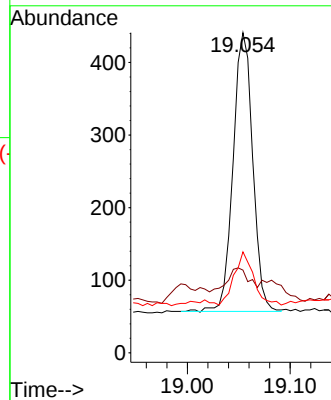
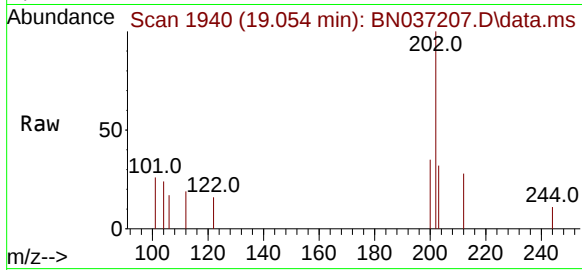
Tgt Ion:202 Resp: 509

Ion Ratio Lower Upper

202 100

101 9.0 8.7 13.1

203 18.7 13.5 20.3



#29

Chrysene-d12

Concen: 0.400 ng

RT: 21.180 min Scan# 2276

Delta R.T. -0.009 min

Lab File: BN037207.D

Acq: 10 Jun 2025 01:00

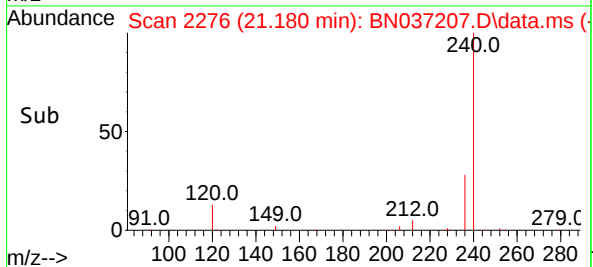
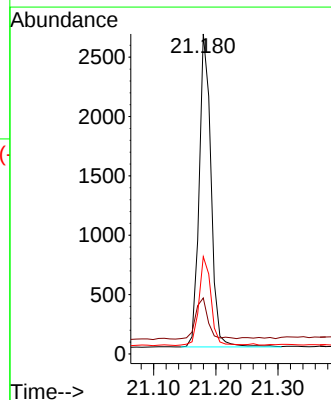
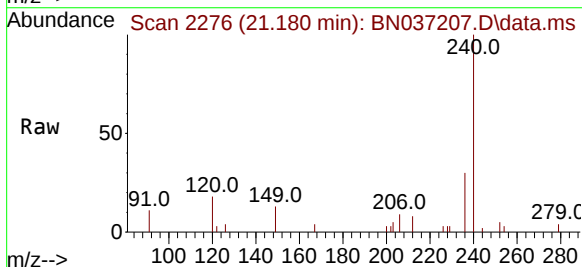
Tgt Ion:240 Resp: 3508

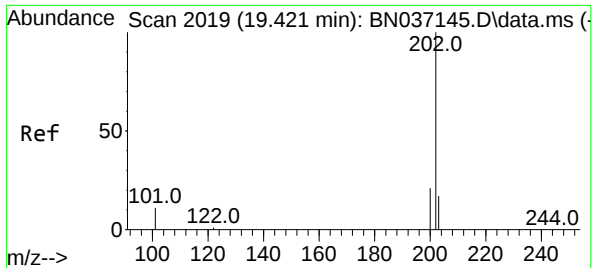
Ion Ratio Lower Upper

240 100

120 17.5 9.0 13.4#

236 30.4 23.0 34.4

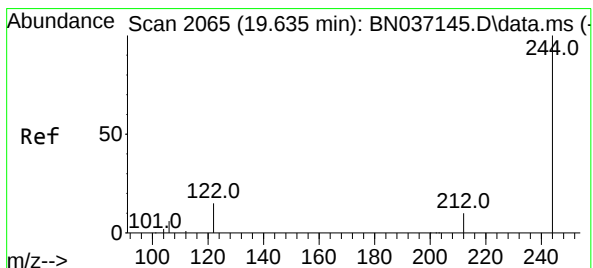
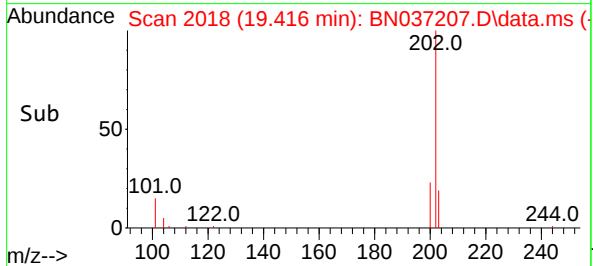
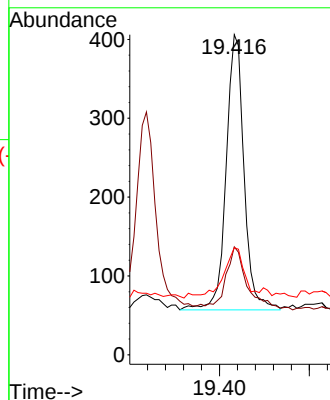
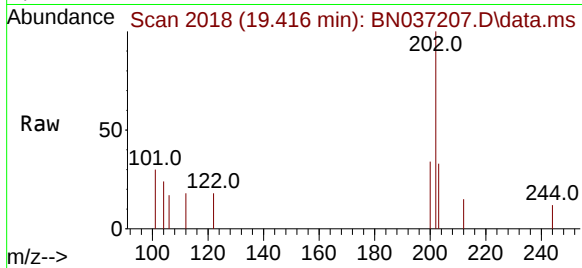




#30
Pyrene
Concen: 0.028 ng
RT: 19.416 min Scan# 2019
Delta R.T. -0.005 min
Lab File: BN037207.D
Acq: 10 Jun 2025 01:00

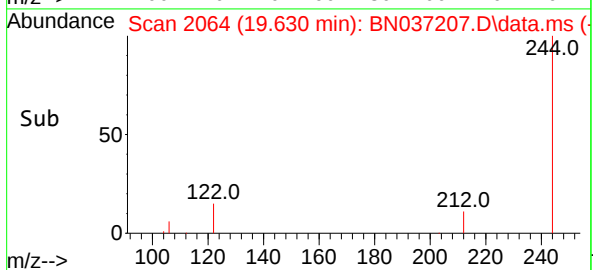
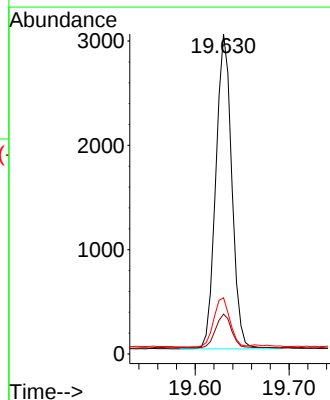
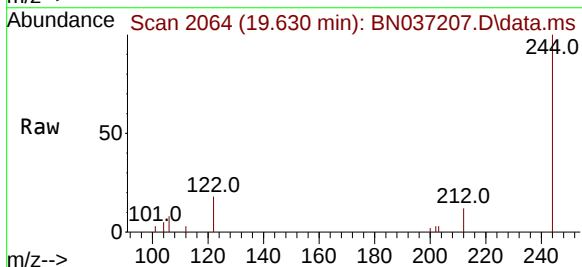
Instrument :
BNA_N
ClientSampleId :
MW-18B-56-060425

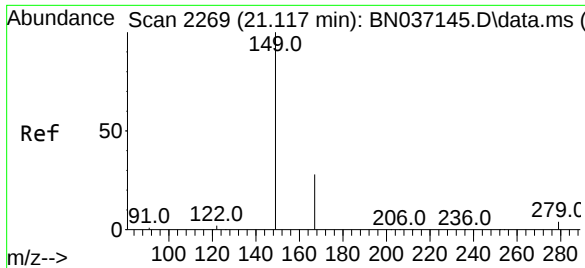
Tgt Ion:202 Resp: 483
Ion Ratio Lower Upper
202 100
200 27.3 17.0 25.6#
203 17.6 14.2 21.4



#31
Terphenyl-d14
Concen: 0.432 ng
RT: 19.630 min Scan# 2064
Delta R.T. -0.005 min
Lab File: BN037207.D
Acq: 10 Jun 2025 01:00

Tgt Ion:244 Resp: 3566
Ion Ratio Lower Upper
244 100
212 12.5 10.0 15.0
122 17.5 13.2 19.8

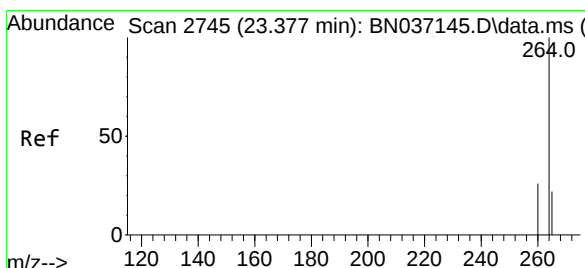
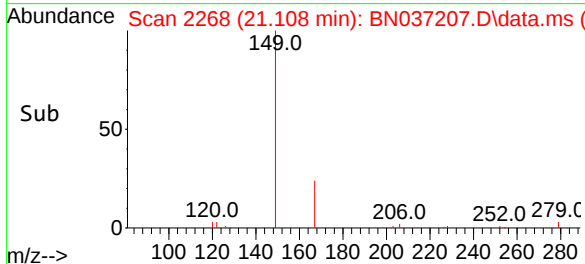
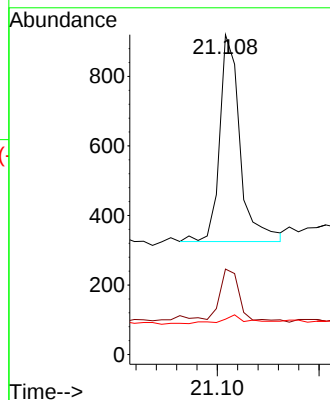
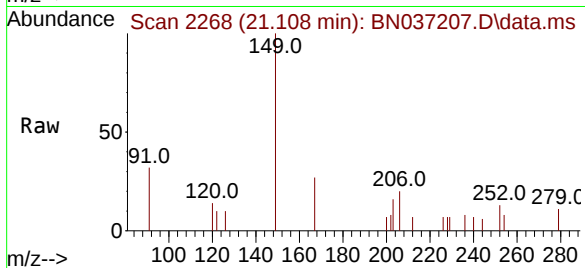




#34
 Bis(2-ethylhexyl)phthalate
 Concen: 0.104 ng
 RT: 21.108 min Scan# 21
 Delta R.T. -0.009 min
 Lab File: BN037207.D
 Acq: 10 Jun 2025 01:00

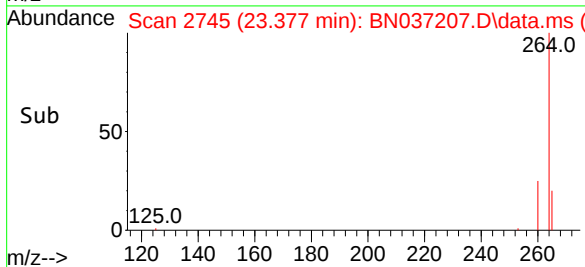
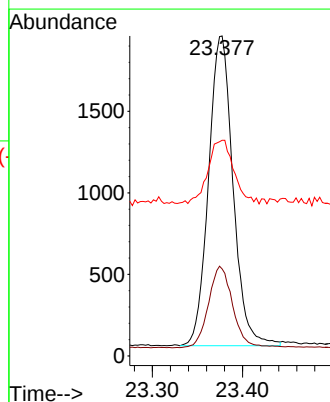
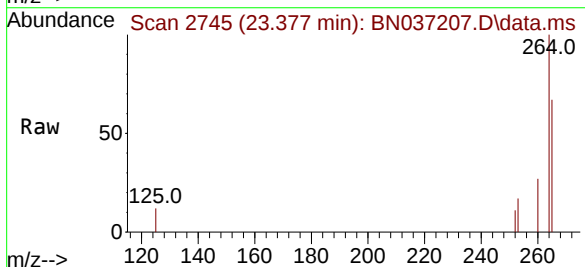
Instrument :
 BNA_N
 ClientSampleId :
 MW-18B-56-060425

Tgt Ion:149 Resp: 831
 Ion Ratio Lower Upper
 149 100
 167 26.4 21.0 31.4
 279 4.6 2.9 4.3#



#35
 Perylene-d12
 Concen: 0.400 ng
 RT: 23.377 min Scan# 2745
 Delta R.T. -0.000 min
 Lab File: BN037207.D
 Acq: 10 Jun 2025 01:00

Tgt Ion:264 Resp: 3584
 Ion Ratio Lower Upper
 264 100
 260 27.2 22.1 33.1
 265 67.4 55.8 83.8



Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN060925\
 Data File : BN037208.D
 Acq On : 10 Jun 2025 01:36
 Operator : RC/JU
 Sample : Q2234-06
 Misc :
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 MW-18B-56-060425-FD

Quant Time: Jun 10 04:05:32 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN060325.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jun 04 01:52:03 2025
 Response via : Initial Calibration

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

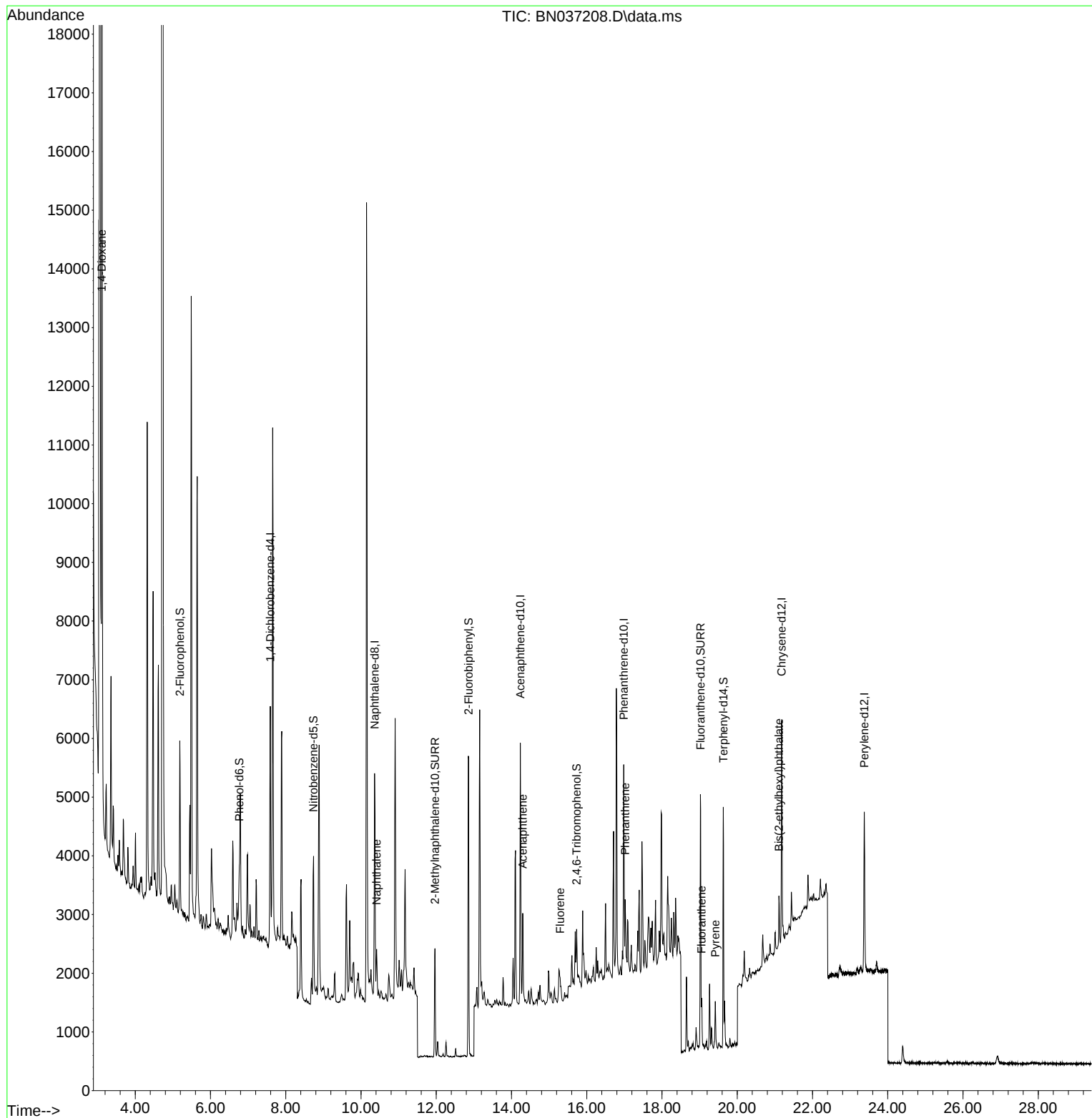
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.589	152	1777	0.400	ng	0.00
7) Naphthalene-d8	10.362	136	4601	0.400	ng	#-0.01
13) Acenaphthene-d10	14.234	164	2273	0.400	ng	0.00
19) Phenanthrene-d10	16.984	188	4128	0.400	ng	0.00
29) Chrysene-d12	21.180	240	3296	0.400	ng	# 0.00
35) Perylene-d12	23.377	264	3376	0.400	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.184	112	1009	0.230	ng	0.00
5) Phenol-d6	6.766	99	793	0.149	ng	0.00
8) Nitrobenzene-d5	8.739	82	2046	0.421	ng	0.00
11) 2-Methylnaphthalene-d10	11.965	152	2446	0.382	ng	0.00
14) 2,4,6-Tribromophenol	15.730	330	428	0.468	ng	-0.01
15) 2-Fluorobiphenyl	12.858	172	4427	0.457	ng	0.00
27) Fluoranthene-d10	19.021	212	4536	0.432	ng	0.00
31) Terphenyl-d14	19.630	244	3776	0.487	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	3.112	88	7925	3.346	ng	# 82
9) Naphthalene	10.415	128	853	0.064	ng	# 84
17) Acenaphthene	14.299	154	359	0.050	ng	96
18) Fluorene	15.293	166	233	0.024	ng	# 87
25) Phenanthrene	17.021	178	1280	0.096	ng	100
28) Fluoranthene	19.054	202	693	0.047	ng	# 94
30) Pyrene	19.416	202	647	0.040	ng	# 88
34) Bis(2-ethylhexyl)phtha...	21.108	149	864	0.115	ng	# 97

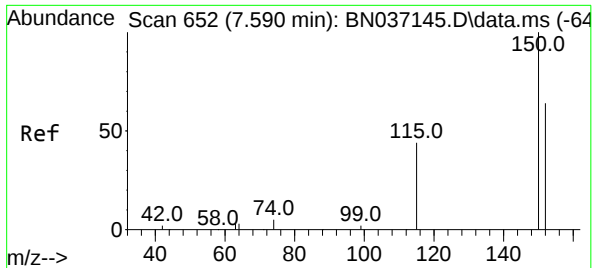
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN060925\
Data File : BN037208.D
Acq On : 10 Jun 2025 01:36
Operator : RC/JU
Sample : Q2234-06
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
MW-18B-56-060425-FD

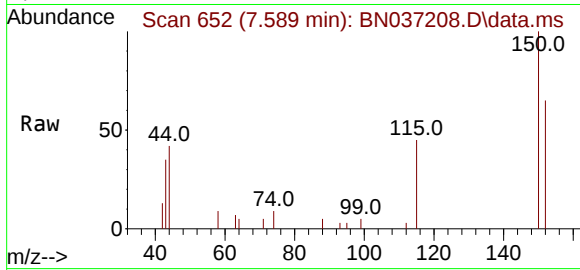
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Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN060325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jun 04 01:52:03 2025
Response via : Initial Calibration



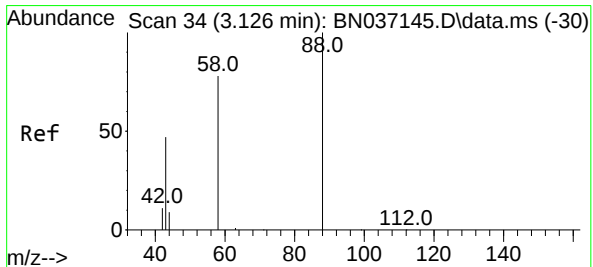
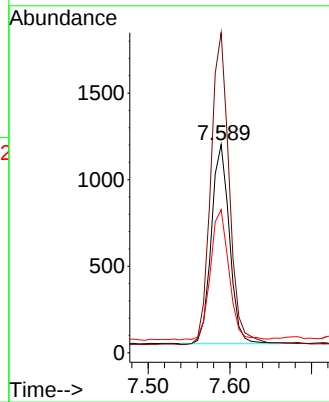
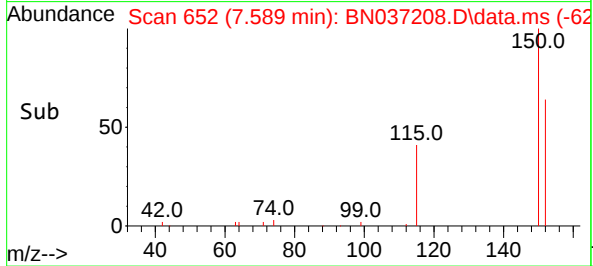


#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.589 min Scan# 61
Delta R.T. -0.001 min
Lab File: BN037208.D
Acq: 10 Jun 2025 01:36

Instrument :
BNA_N
ClientSampleId :
MW-18B-56-060425-FD

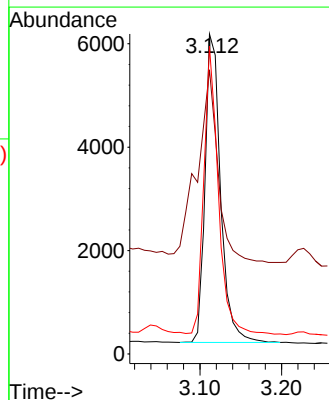
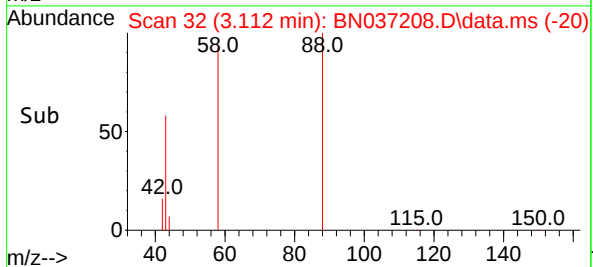
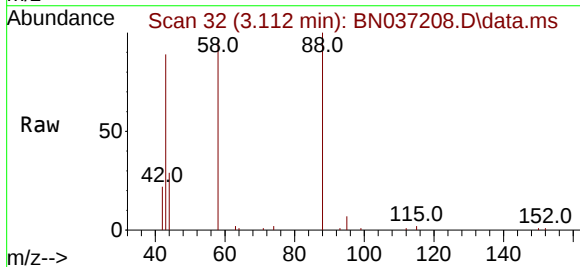


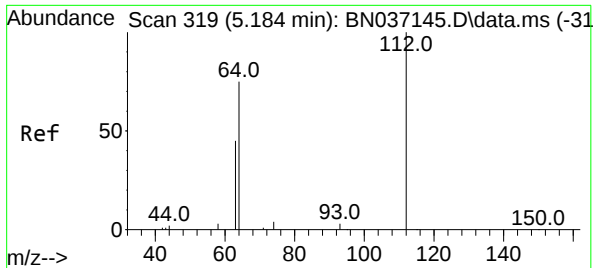
Tgt Ion:152 Resp: 1777
Ion Ratio Lower Upper
152 100
150 153.7 123.2 184.8
115 68.7 56.6 85.0



#2
1,4-Dioxane
Concen: 3.346 ng
RT: 3.112 min Scan# 32
Delta R.T. -0.015 min
Lab File: BN037208.D
Acq: 10 Jun 2025 01:36

Tgt Ion: 88 Resp: 7925
Ion Ratio Lower Upper
88 100
43 85.6 43.5 65.3#
58 86.5 67.7 101.5





#4

2-Fluorophenol

Concen: 0.230 ng

RT: 5.184 min Scan# 319

Delta R.T. -0.000 min

Lab File: BN037208.D

Acq: 10 Jun 2025 01:36

Instrument :

BNA_N

ClientSampleId :

MW-18B-56-060425-FD

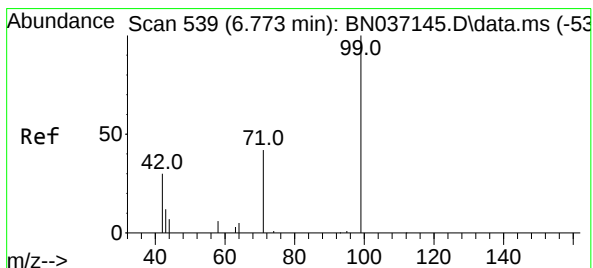
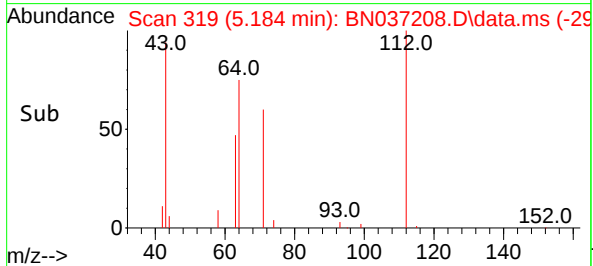
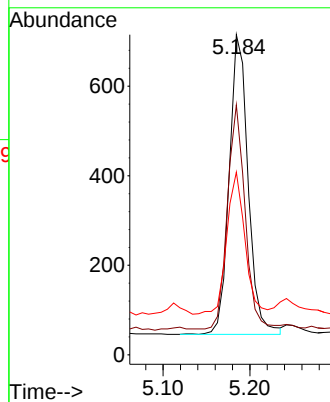
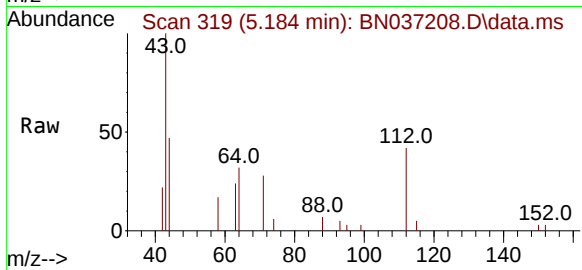
Tgt Ion:112 Resp: 1009

Ion Ratio Lower Upper

112 100

64 69.6 56.3 84.5

63 45.6 36.2 54.4



#5

Phenol-d6

Concen: 0.149 ng

RT: 6.766 min Scan# 538

Delta R.T. -0.007 min

Lab File: BN037208.D

Acq: 10 Jun 2025 01:36

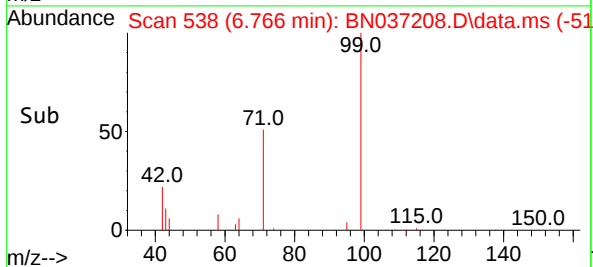
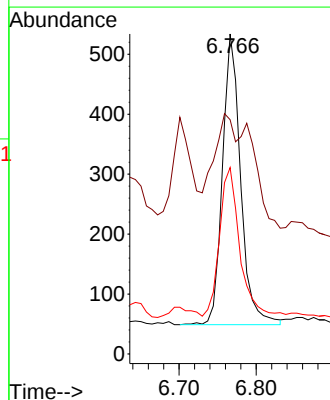
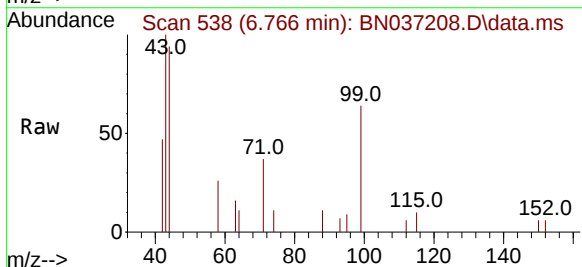
Tgt Ion: 99 Resp: 793

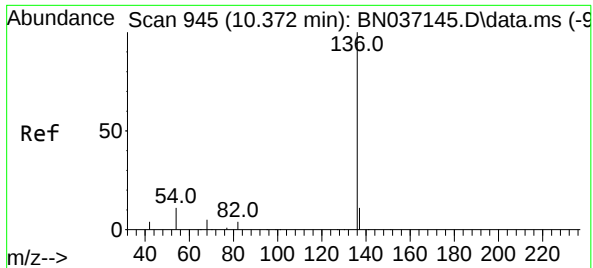
Ion Ratio Lower Upper

99 100

42 84.4 31.3 46.9#

71 56.6 38.2 57.2

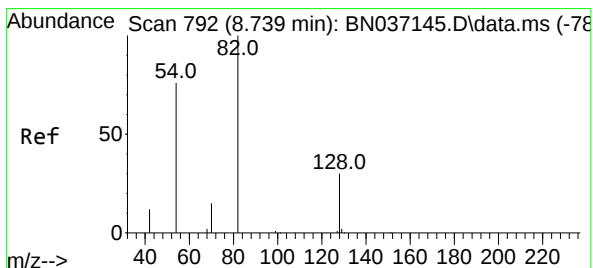
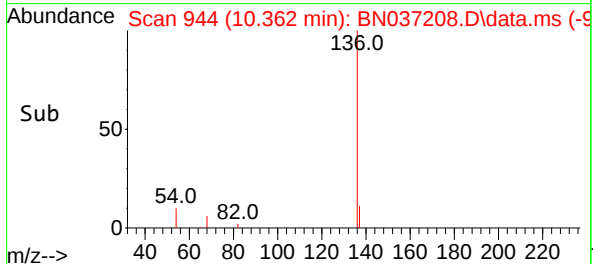
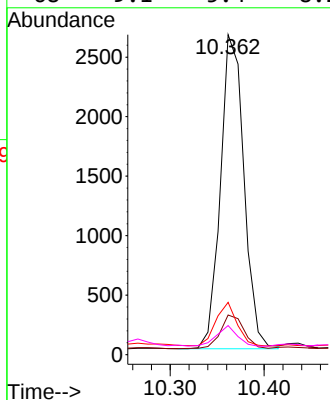
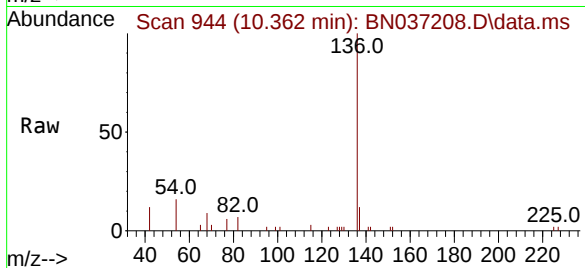




#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.362 min Scan# 945
Delta R.T. -0.011 min
Lab File: BN037208.D
Acq: 10 Jun 2025 01:36

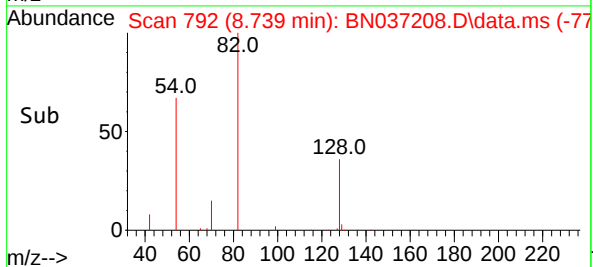
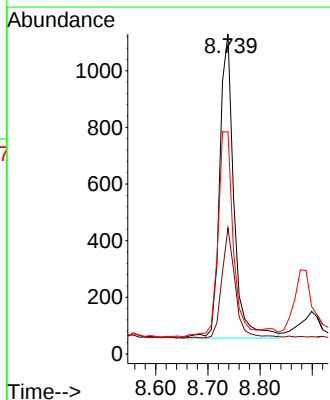
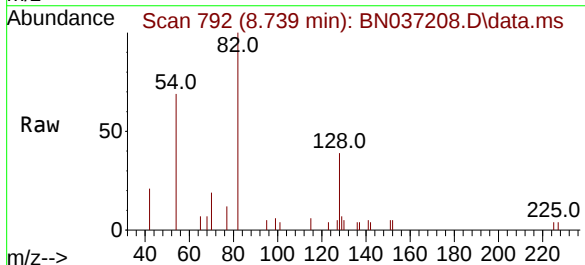
Instrument :
BNA_N
ClientSampleId :
MW-18B-56-060425-FD

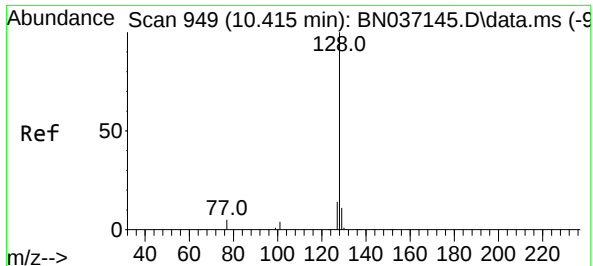
Tgt Ion:	136	Resp:	4601
Ion	Ratio	Lower	Upper
136	100		
137	12.4	9.7	14.5
54	16.3	9.7	14.5#
68	9.1	5.4	8.2#



#8
Nitrobenzene-d5
Concen: 0.421 ng
RT: 8.739 min Scan# 792
Delta R.T. -0.000 min
Lab File: BN037208.D
Acq: 10 Jun 2025 01:36

Tgt Ion:	82	Resp:	2046
Ion	Ratio	Lower	Upper
82	100		
128	39.4	26.9	40.3
54	69.4	61.4	92.2

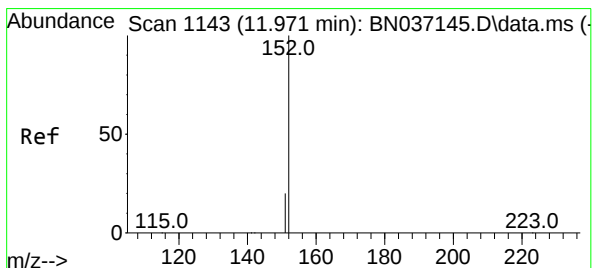
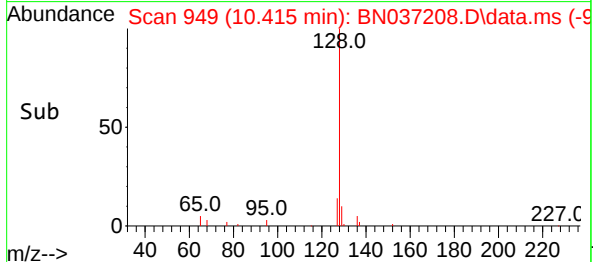
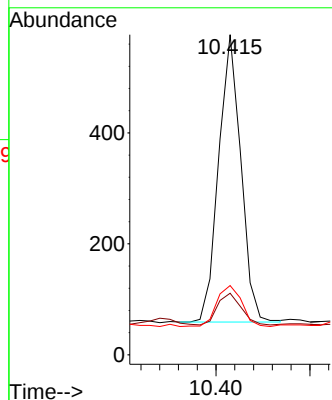
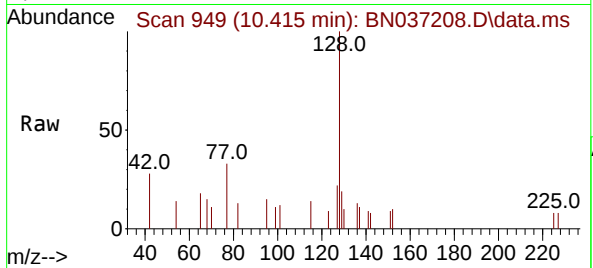




#9
Naphthalene
Concen: 0.064 ng
RT: 10.415 min Scan# 949
Delta R.T. -0.000 min
Lab File: BN037208.D
Acq: 10 Jun 2025 01:36

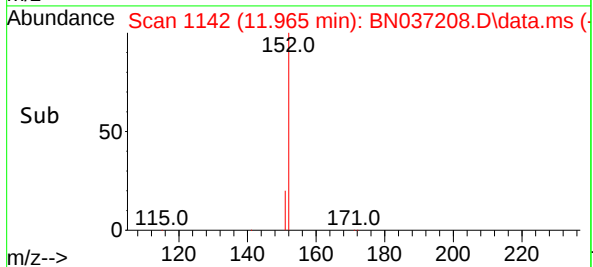
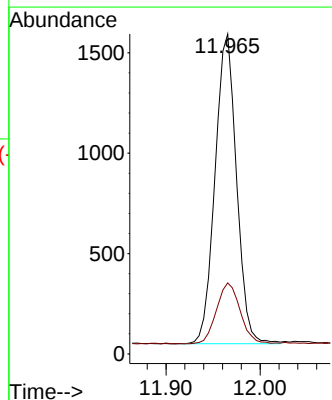
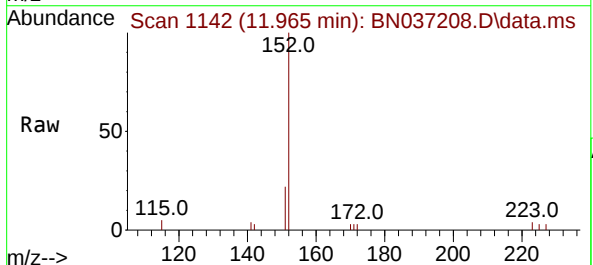
Instrument :
BNA_N
ClientSampleId :
MW-18B-56-060425-FD

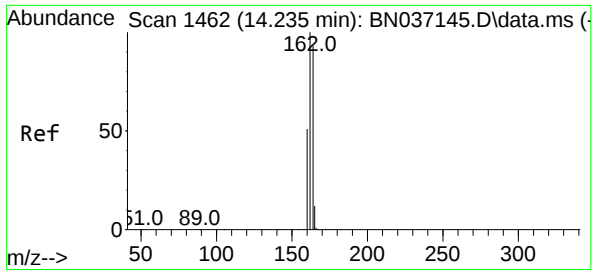
Tgt Ion:128 Resp: 853
Ion Ratio Lower Upper
128 100
129 19.2 9.8 14.8#
127 21.7 12.3 18.5#



#11
2-Methylnaphthalene-d10
Concen: 0.382 ng
RT: 11.965 min Scan# 1142
Delta R.T. -0.005 min
Lab File: BN037208.D
Acq: 10 Jun 2025 01:36

Tgt Ion:152 Resp: 2446
Ion Ratio Lower Upper
152 100
151 21.9 17.1 25.7

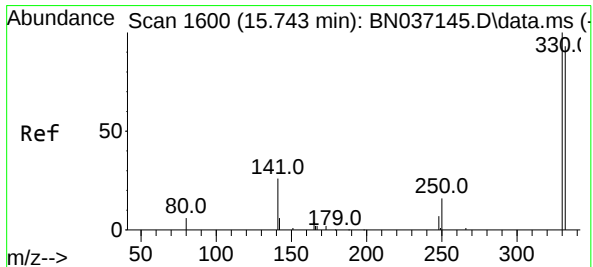
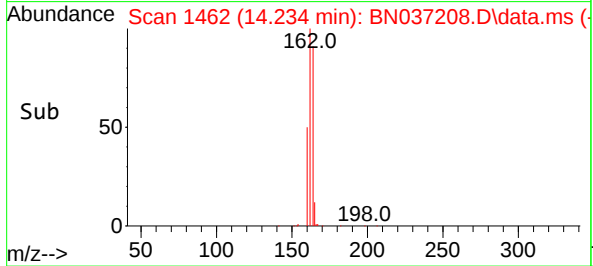
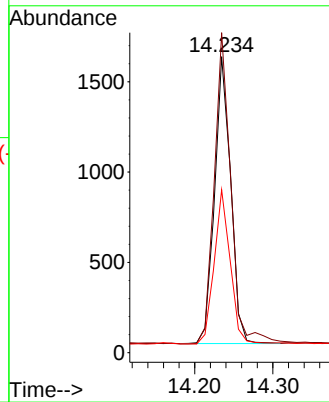
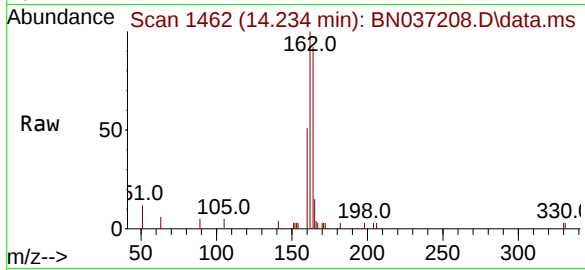




#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.234 min Scan# 1462
Delta R.T. -0.000 min
Lab File: BN037208.D
Acq: 10 Jun 2025 01:36

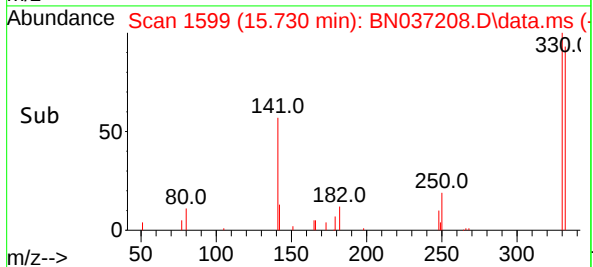
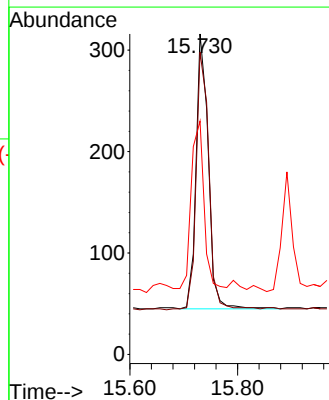
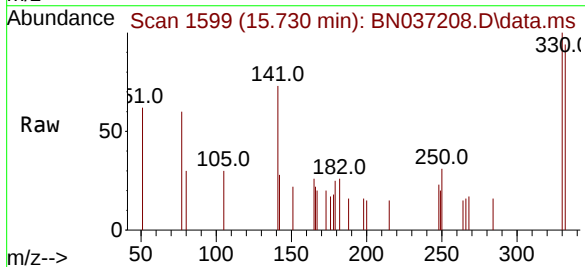
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ClientSampleId :
MW-18B-56-060425-FD

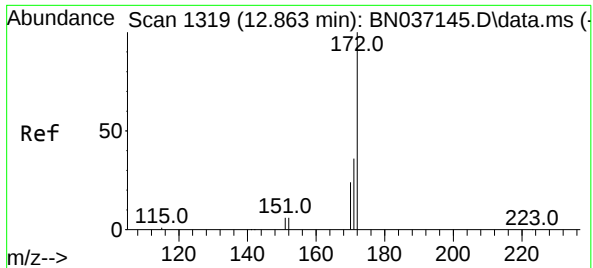
Tgt Ion:164 Resp: 2273
Ion Ratio Lower Upper
164 100
162 108.1 85.5 128.3
160 55.0 44.6 67.0



#14
2,4,6-Tribromophenol
Concen: 0.468 ng
RT: 15.730 min Scan# 1599
Delta R.T. -0.013 min
Lab File: BN037208.D
Acq: 10 Jun 2025 01:36

Tgt Ion:330 Resp: 428
Ion Ratio Lower Upper
330 100
332 98.1 77.1 115.7
141 65.7 46.4 69.6

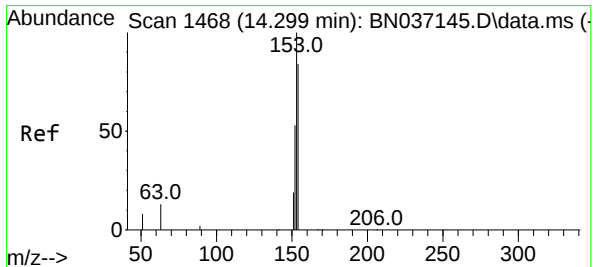
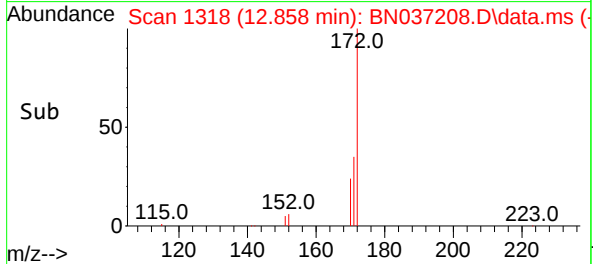
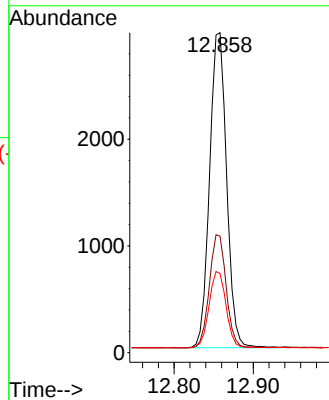
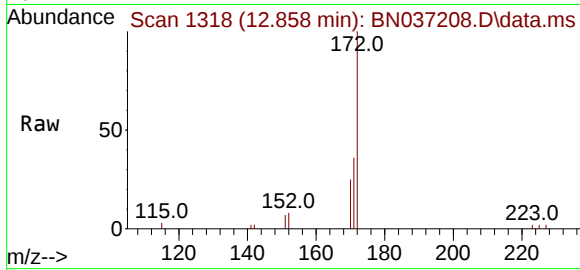




#15
2-Fluorobiphenyl
Concen: 0.457 ng
RT: 12.858 min Scan# 1318
Delta R.T. -0.005 min
Lab File: BN037208.D
Acq: 10 Jun 2025 01:36

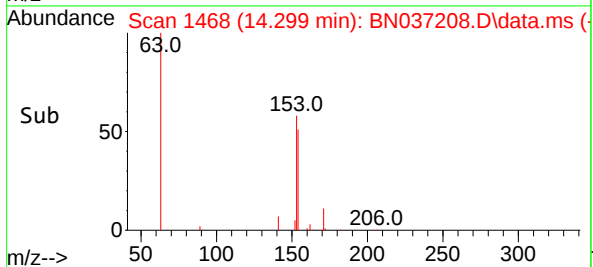
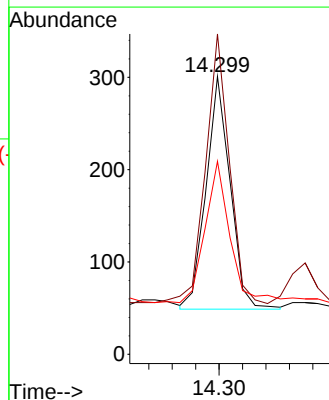
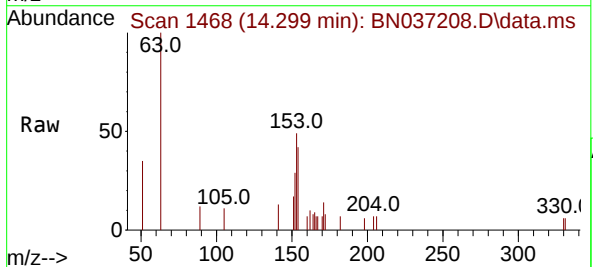
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BNA_N
ClientSampleId :
MW-18B-56-060425-FD

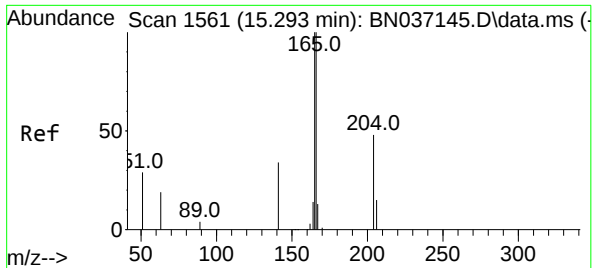
Tgt Ion:	172	Resp:	4427
Ion	Ratio	Lower	Upper
172	100		
171	36.4	29.6	44.4
170	24.7	20.3	30.5



#17
Acenaphthene
Concen: 0.050 ng
RT: 14.299 min Scan# 1468
Delta R.T. -0.000 min
Lab File: BN037208.D
Acq: 10 Jun 2025 01:36

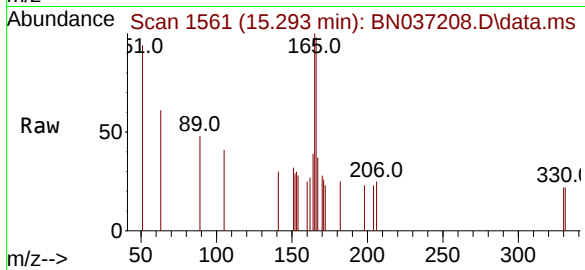
Tgt Ion:	154	Resp:	359
Ion	Ratio	Lower	Upper
154	100		
153	123.7	93.8	140.8
152	64.6	50.5	75.7



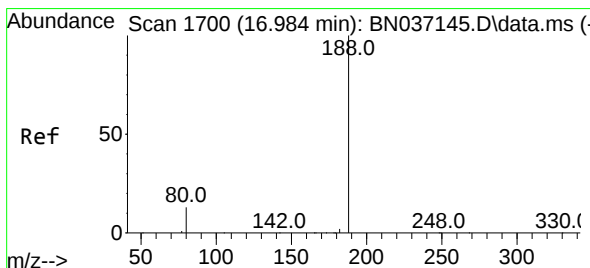
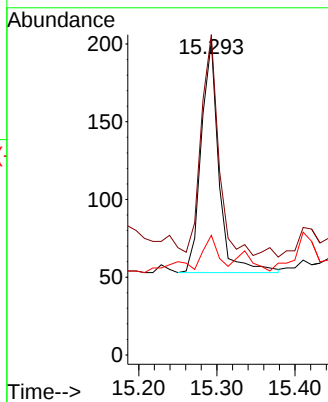
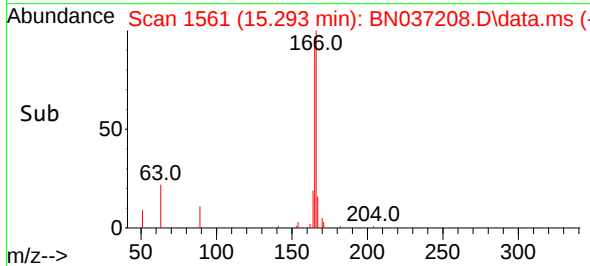


#18
Fluorene
Concen: 0.024 ng
RT: 15.293 min Scan# 1561
Delta R.T. -0.000 min
Lab File: BN037208.D
Acq: 10 Jun 2025 01:36

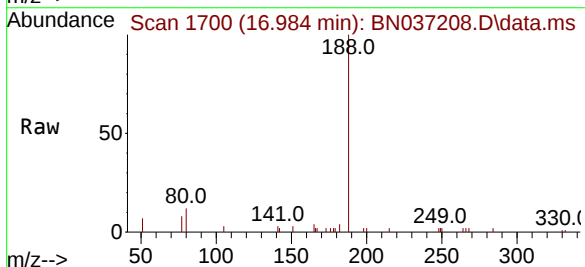
Instrument :
BNA_N
ClientSampleId :
MW-18B-56-060425-FD



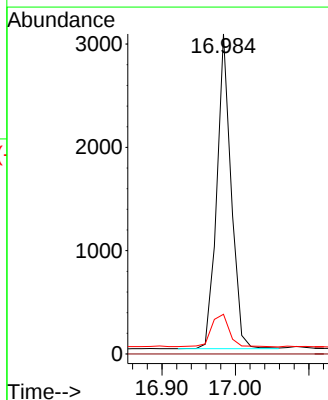
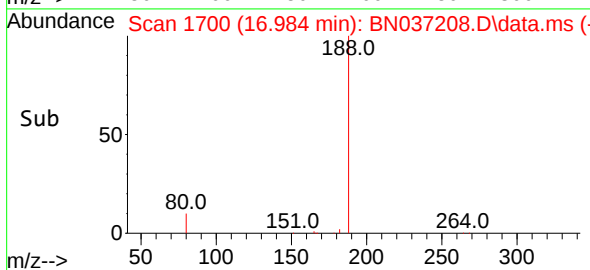
Tgt Ion:166 Resp: 233
Ion Ratio Lower Upper
166 100
165 88.8 81.1 121.7
167 21.0 10.8 16.2#

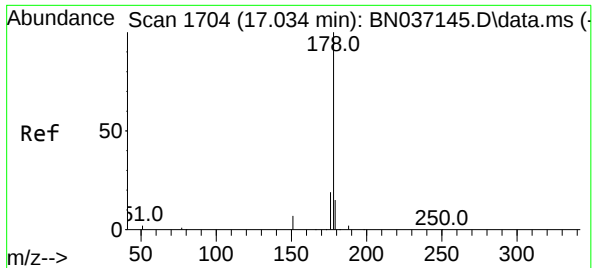


#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 16.984 min Scan# 1700
Delta R.T. -0.000 min
Lab File: BN037208.D
Acq: 10 Jun 2025 01:36



Tgt Ion:188 Resp: 4128
Ion Ratio Lower Upper
188 100
94 0.0 0.0 0.0
80 12.4 11.3 16.9

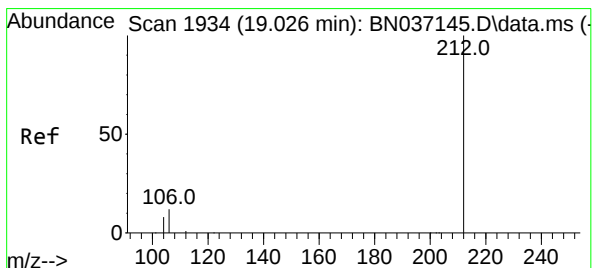
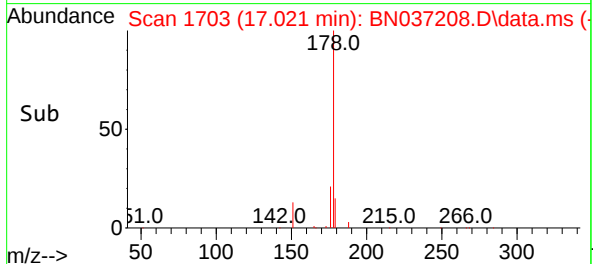
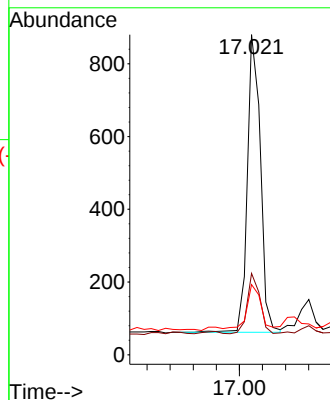
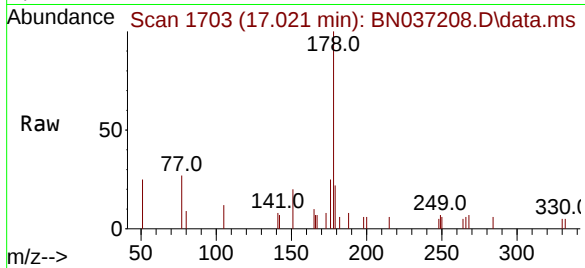




#25
Phenanthrene
Concen: 0.096 ng
RT: 17.021 min Scan# 1703
Delta R.T. -0.013 min
Lab File: BN037208.D
Acq: 10 Jun 2025 01:36

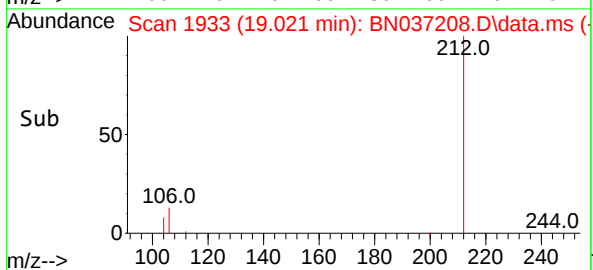
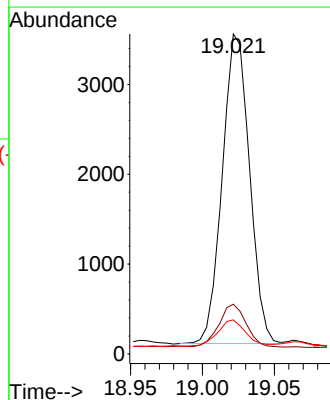
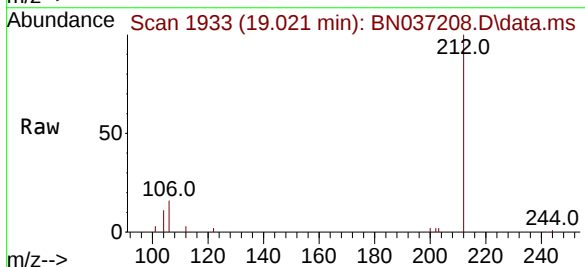
Instrument :
BNA_N
ClientSampleId :
MW-18B-56-060425-FD

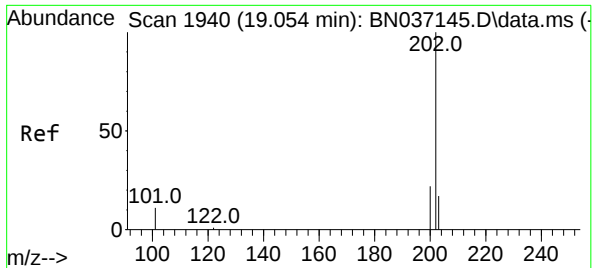
Tgt Ion:	178	Resp:	1280
Ion	Ratio	Lower	Upper
178	100		
176	19.7	15.7	23.5
179	15.3	12.3	18.5



#27
Fluoranthene-d10
Concen: 0.432 ng
RT: 19.021 min Scan# 1933
Delta R.T. -0.005 min
Lab File: BN037208.D
Acq: 10 Jun 2025 01:36

Tgt Ion:	212	Resp:	4536
Ion	Ratio	Lower	Upper
212	100		
106	14.2	10.6	15.8
104	8.8	6.6	9.8

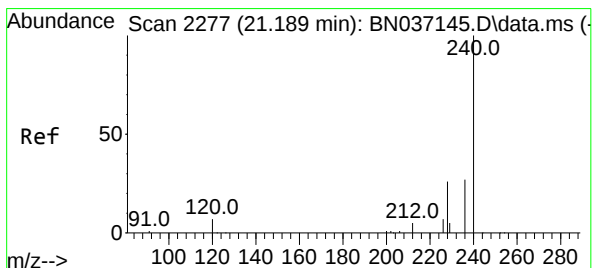
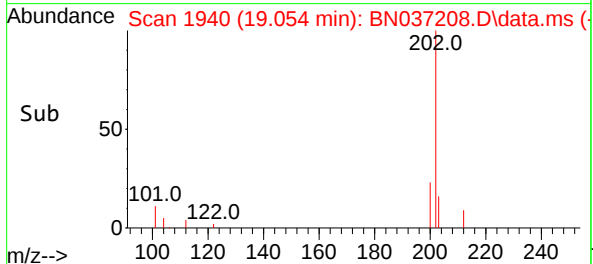
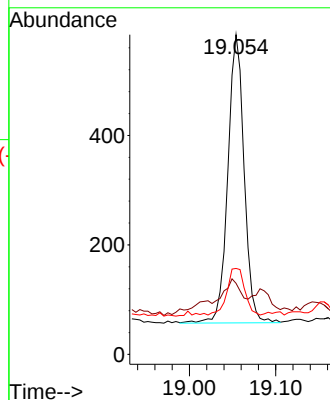
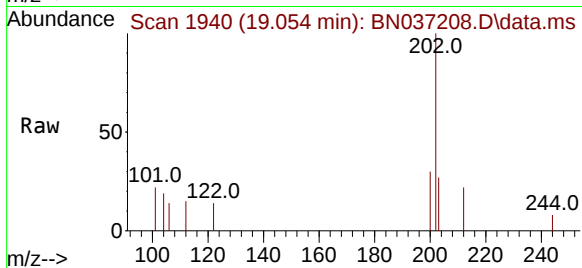




#28
Fluoranthene
Concen: 0.047 ng
RT: 19.054 min Scan# 1940
Delta R.T. -0.000 min
Lab File: BN037208.D
Acq: 10 Jun 2025 01:36

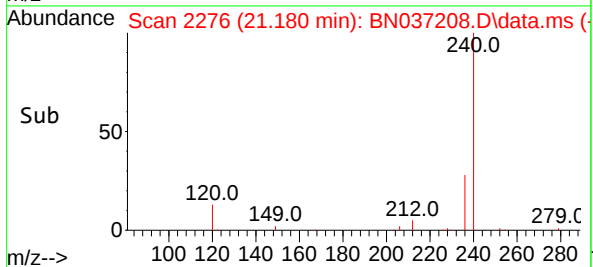
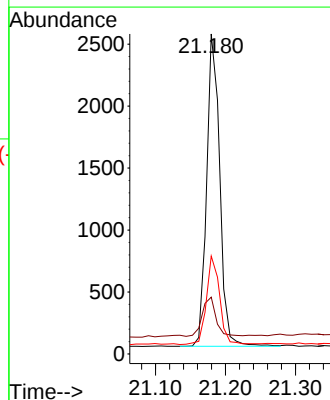
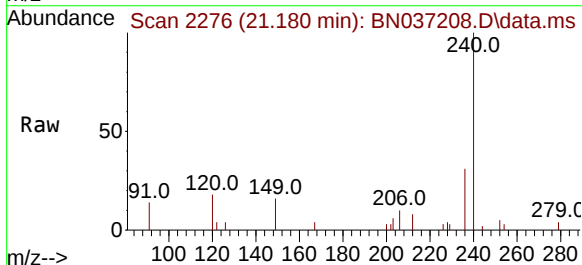
Instrument :
BNA_N
ClientSampleId :
MW-18B-56-060425-FD

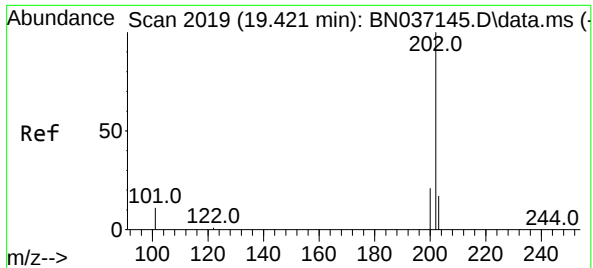
Tgt Ion	Ratio	Lower	Upper
202	100		
101	15.6	8.7	13.1#
203	17.6	13.5	20.3



#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.180 min Scan# 2276
Delta R.T. -0.009 min
Lab File: BN037208.D
Acq: 10 Jun 2025 01:36

Tgt Ion	Ratio	Lower	Upper
240	100		
120	17.8	9.0	13.4#
236	30.6	23.0	34.4

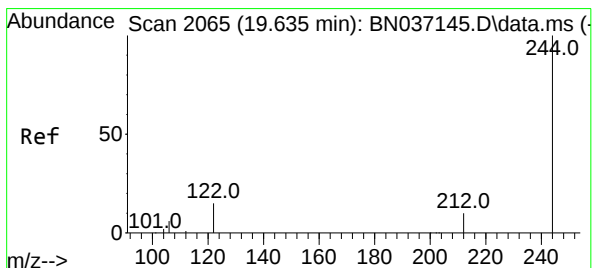
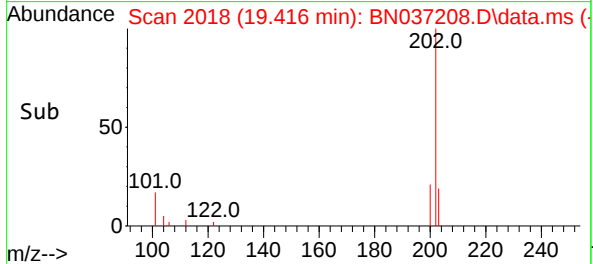
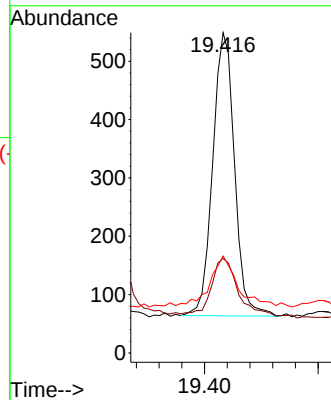
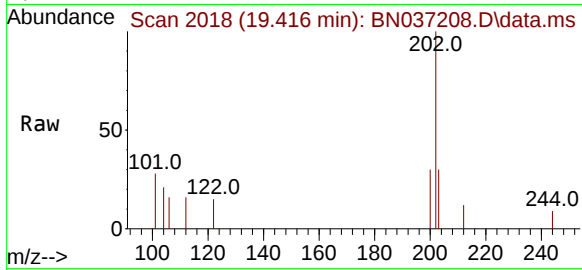




#30
Pyrene
Concen: 0.040 ng
RT: 19.416 min Scan# 2019
Delta R.T. -0.005 min
Lab File: BN037208.D
Acq: 10 Jun 2025 01:36

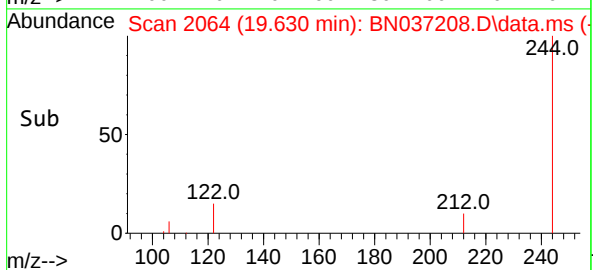
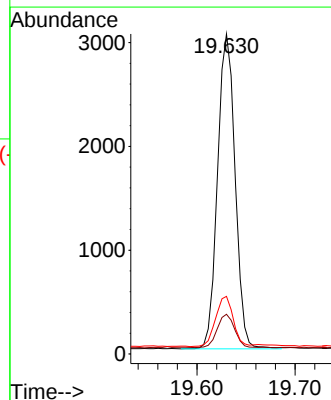
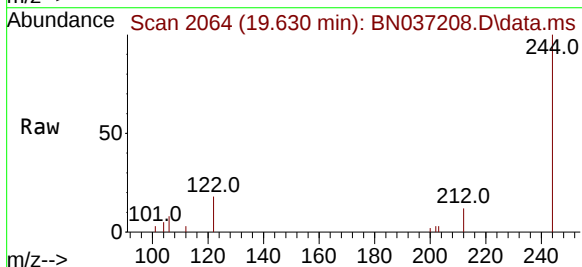
Instrument :
BNA_N
ClientSampleId :
MW-18B-56-060425-FD

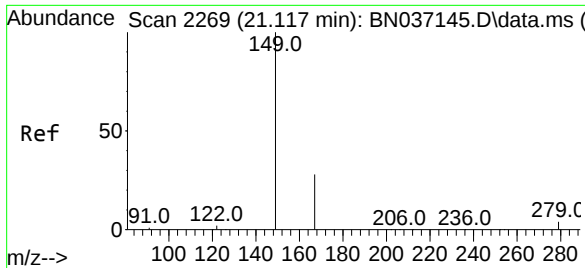
Tgt Ion:	202	Resp:	647
Ion	Ratio	Lower	Upper
202	100		
200	26.9	17.0	25.6#
203	23.0	14.2	21.4#



#31
Terphenyl-d14
Concen: 0.487 ng
RT: 19.630 min Scan# 2064
Delta R.T. -0.005 min
Lab File: BN037208.D
Acq: 10 Jun 2025 01:36

Tgt Ion:	244	Resp:	3776
Ion	Ratio	Lower	Upper
244	100		
212	12.4	10.0	15.0
122	18.0	13.2	19.8

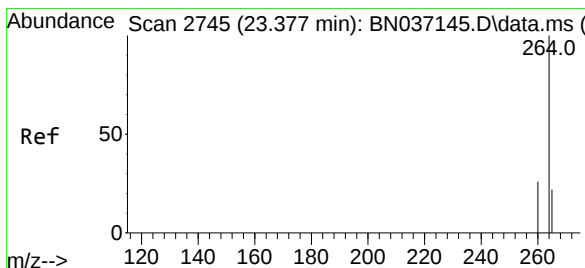
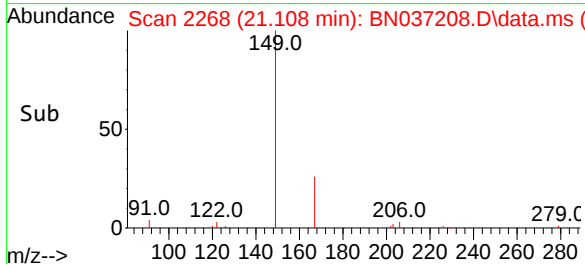
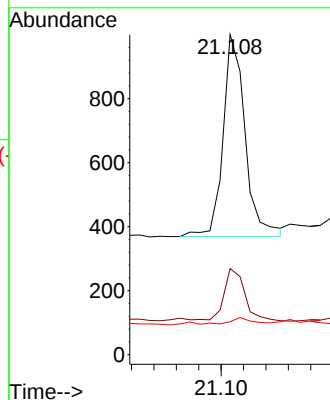
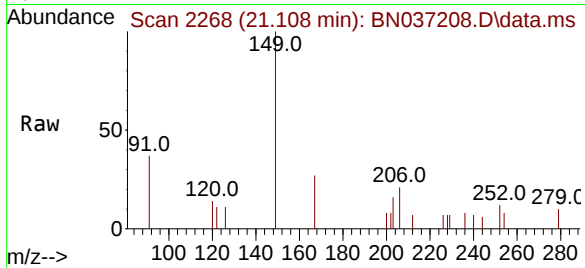




#34
Bis(2-ethylhexyl)phthalate
Concen: 0.115 ng
RT: 21.108 min Scan# 21108
Delta R.T. -0.009 min
Lab File: BN037208.D
Acq: 10 Jun 2025 01:36

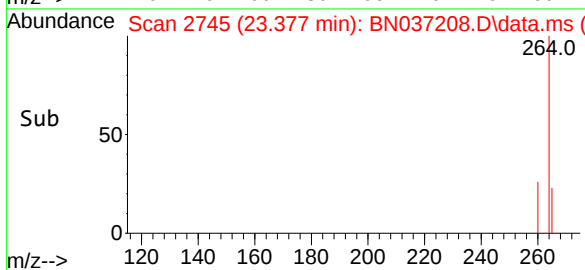
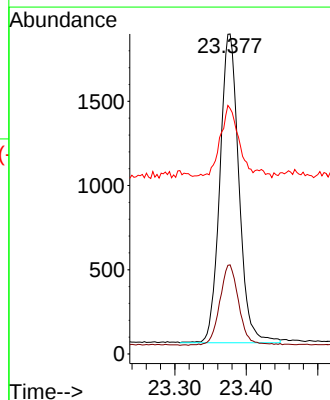
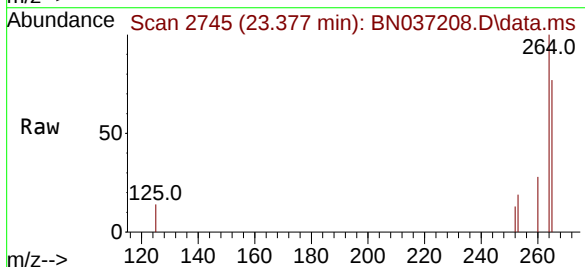
Instrument :
BNA_N
ClientSampleId :
MW-18B-56-060425-FD

Tgt Ion:149 Resp: 864
Ion Ratio Lower Upper
149 100
167 24.7 21.0 31.4
279 2.8 2.9 4.3#



#35
Perylene-d12
Concen: 0.400 ng
RT: 23.377 min Scan# 2745
Delta R.T. -0.000 min
Lab File: BN037208.D
Acq: 10 Jun 2025 01:36

Tgt Ion:264 Resp: 3376
Ion Ratio Lower Upper
264 100
260 27.8 22.1 33.1
265 76.7 55.8 83.8



Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN060925\
 Data File : BN037209.D
 Acq On : 10 Jun 2025 02:12
 Operator : RC/JU
 Sample : Q2234-07
 Misc :
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 MW-19B-72-060425

A
B
C
D
E
F
G
H
I
J
K

Quant Time: Jun 10 04:05:48 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN060325.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jun 04 01:52:03 2025
 Response via : Initial Calibration

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

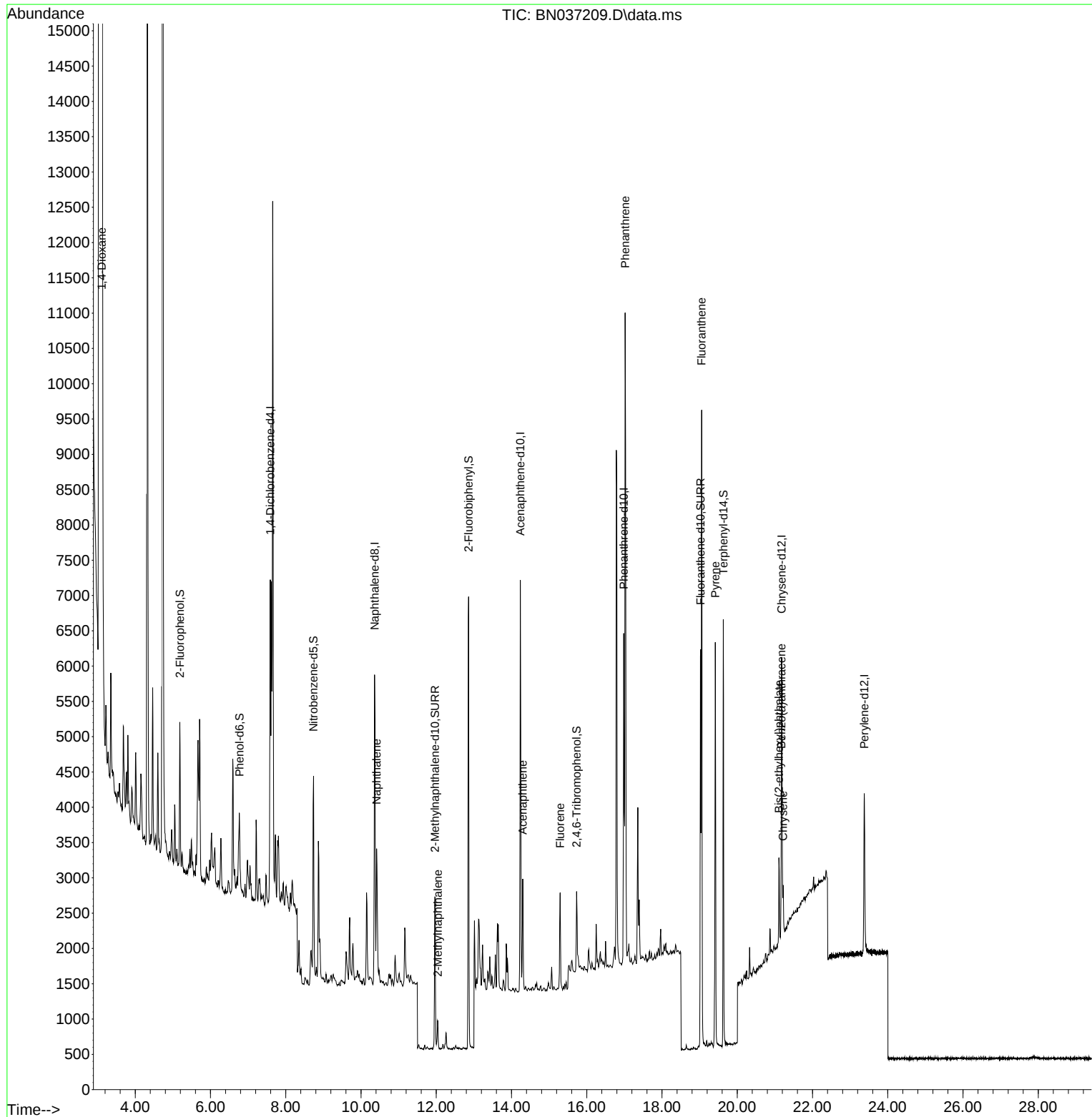
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.589	152	2075	0.400	ng	0.00
7) Naphthalene-d8	10.361	136	5375	0.400	ng	#-0.01
13) Acenaphthene-d10	14.234	164	3061	0.400	ng	0.00
19) Phenanthrene-d10	16.984	188	5755	0.400	ng	0.00
29) Chrysene-d12	21.180	240	3593	0.400	ng	# 0.00
35) Perylene-d12	23.374	264	3061	0.400	ng	# 0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.184	112	1124	0.219	ng	0.00
5) Phenol-d6	6.773	99	919	0.148	ng	0.00
8) Nitrobenzene-d5	8.739	82	2331	0.411	ng	0.00
11) 2-Methylnaphthalene-d10	11.965	152	2886	0.386	ng	0.00
14) 2,4,6-Tribromophenol	15.730	330	560	0.454	ng	-0.01
15) 2-Fluorobiphenyl	12.858	172	5407	0.414	ng	0.00
27) Fluoranthene-d10	19.026	212	6173	0.422	ng	0.00
31) Terphenyl-d14	19.630	244	5287	0.625	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.111	88	15105	5.461	ng	96
9) Naphthalene	10.415	128	1782	0.115	ng	# 92
12) 2-Methylnaphthalene	12.041	142	277	0.028	ng	# 90
17) Acenaphthene	14.299	154	706	0.072	ng	99
18) Fluorene	15.293	166	795	0.062	ng	93
25) Phenanthrene	17.021	178	10041	0.539	ng	100
28) Fluoranthene	19.054	202	7738	0.376	ng	99
30) Pyrene	19.416	202	5158	0.294	ng	# 93
32) Benzo(a)anthracene	21.171	228	470	0.036	ng	# 76
33) Chrysene	21.215	228	659	0.046	ng	# 85
34) Bis(2-ethylhexyl)phtha...	21.108	149	1263	0.154	ng	100

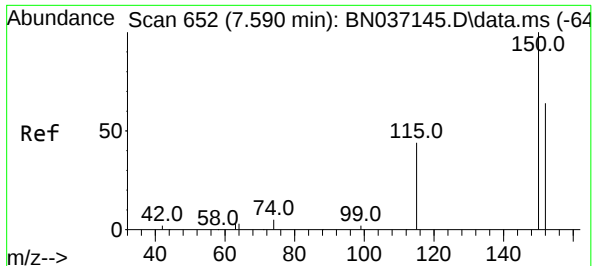
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN060925\
Data File : BN037209.D
Acq On : 10 Jun 2025 02:12
Operator : RC/JU
Sample : Q2234-07
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
MW-19B-72-060425

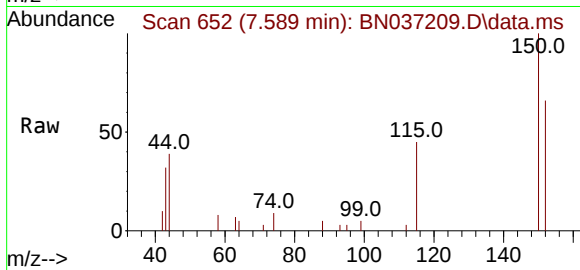
Quant Time: Jun 10 04:05:48 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN060325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jun 04 01:52:03 2025
Response via : Initial Calibration



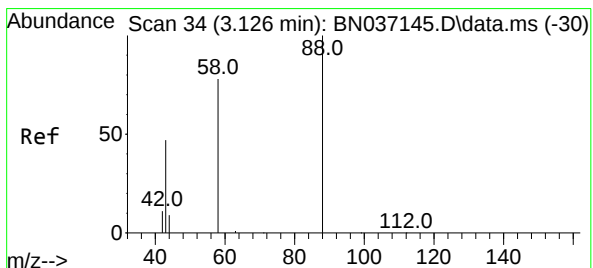
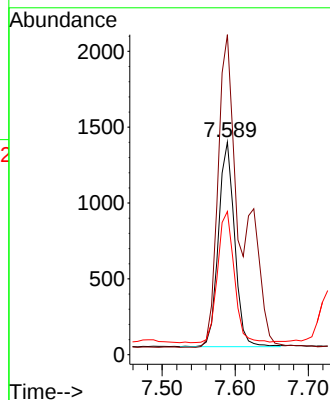
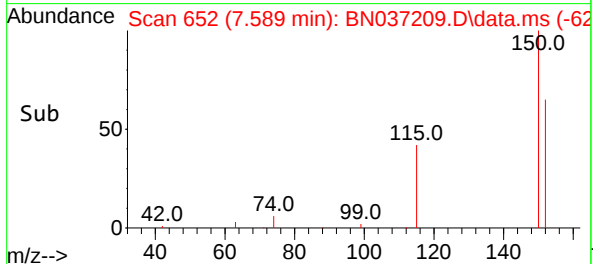


#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.589 min Scan# 61
Delta R.T. -0.001 min
Lab File: BN037209.D
Acq: 10 Jun 2025 02:12

Instrument :
BNA_N
ClientSampleId :
MW-19B-72-060425

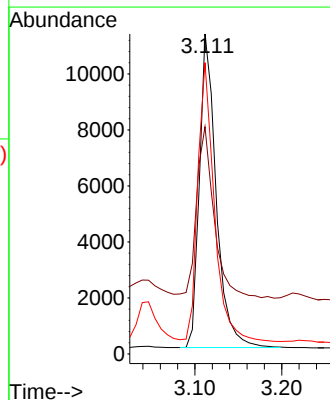
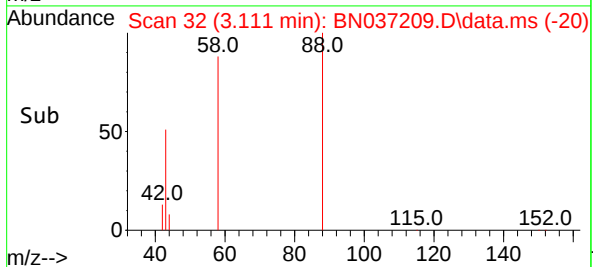
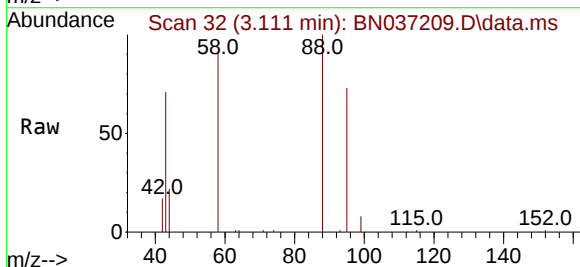


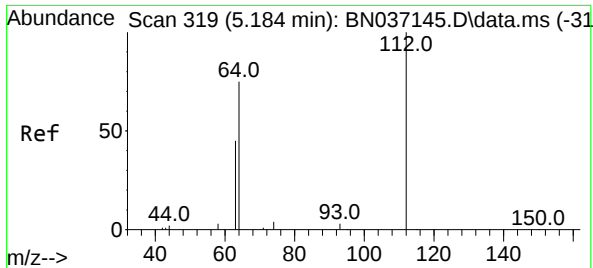
Tgt Ion: 152 Resp: 2075
Ion Ratio Lower Upper
152 100
150 150.5 123.2 184.8
115 67.3 56.6 85.0



#2
1,4-Dioxane
Concen: 5.461 ng
RT: 3.111 min Scan# 32
Delta R.T. -0.015 min
Lab File: BN037209.D
Acq: 10 Jun 2025 02:12

Tgt Ion: 88 Resp: 15105
Ion Ratio Lower Upper
88 100
43 57.6 43.5 65.3
58 87.7 67.7 101.5



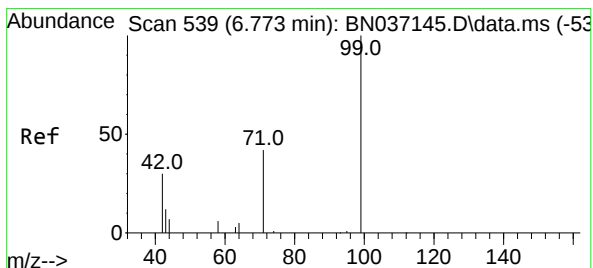
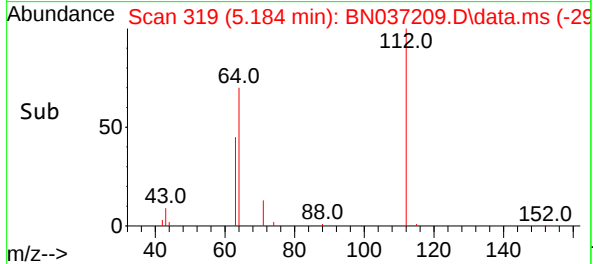
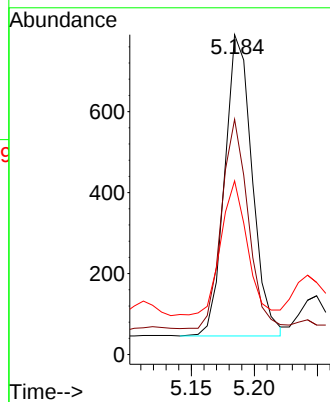
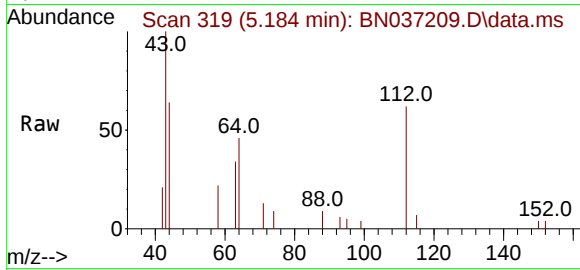


#4
2-Fluorophenol
Concen: 0.219 ng
RT: 5.184 min Scan# 319
Delta R.T. -0.000 min
Lab File: BN037209.D
Acq: 10 Jun 2025 02:12

Instrument :
BNA_N
ClientSampleId :
MW-19B-72-060425

Tgt Ion: 112 Resp: 1124

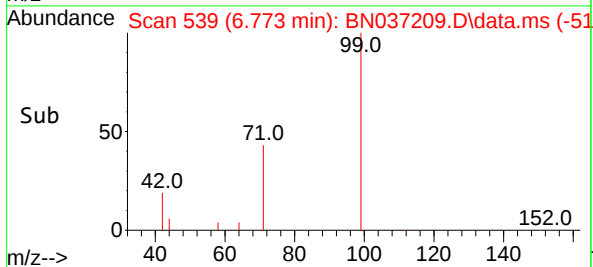
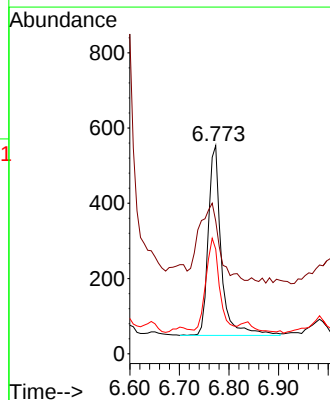
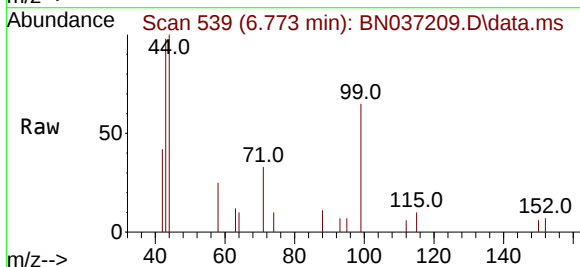
Ion	Ratio	Lower	Upper
112	100		
64	67.5	56.3	84.5
63	42.9	36.2	54.4

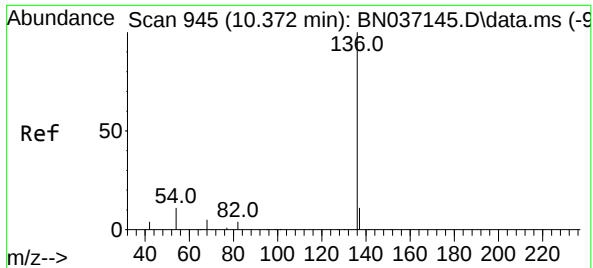


#5
Phenol-d6
Concen: 0.148 ng
RT: 6.773 min Scan# 539
Delta R.T. -0.000 min
Lab File: BN037209.D
Acq: 10 Jun 2025 02:12

Tgt Ion: 99 Resp: 919

Ion	Ratio	Lower	Upper
99	100		
42	62.8	31.3	46.9
71	50.4	38.2	57.2

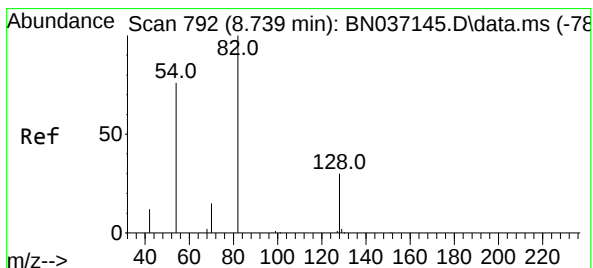
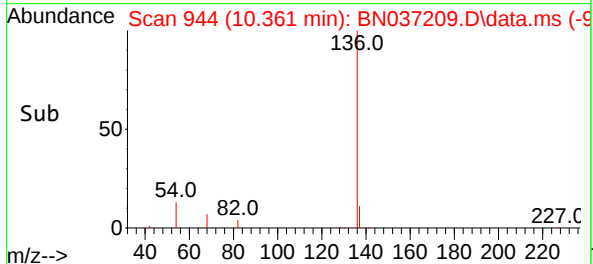
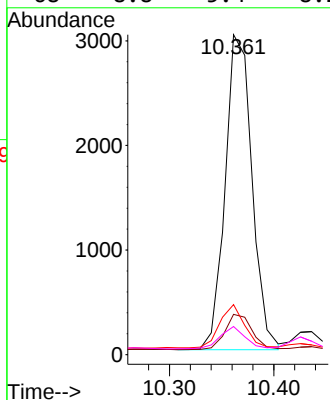
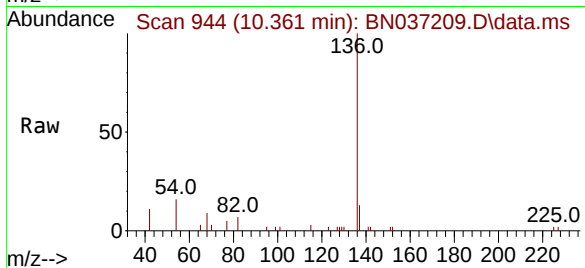




#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.361 min Scan# 945
Delta R.T. -0.011 min
Lab File: BN037209.D
Acq: 10 Jun 2025 02:12

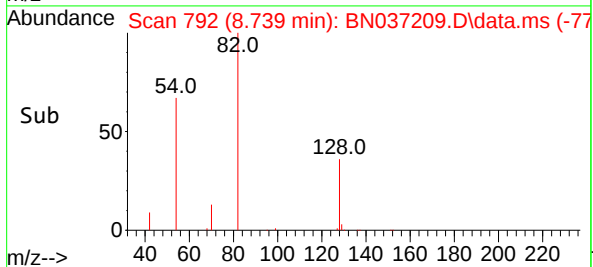
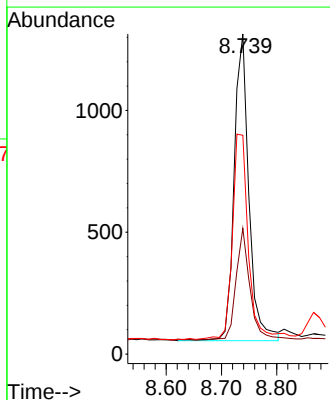
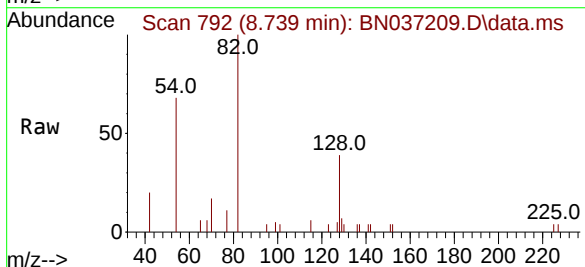
Instrument :
BNA_N
ClientSampleId :
MW-19B-72-060425

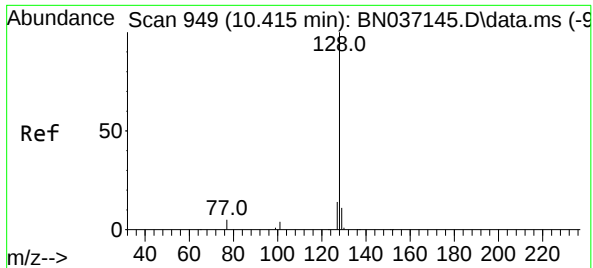
Tgt Ion:136	Resp:	5375	
Ion	Ratio	Lower	Upper
136	100		
137	12.6	9.7	14.5
54	15.6	9.7	14.5#
68	8.8	5.4	8.2#



#8
Nitrobenzene-d5
Concen: 0.411 ng
RT: 8.739 min Scan# 792
Delta R.T. -0.000 min
Lab File: BN037209.D
Acq: 10 Jun 2025 02:12

Tgt Ion: 82	Resp:	2331	
Ion Ratio	Lower	Upper	
82 100			
128 39.3	26.9	40.3	
54 68.3	61.4	92.2	





#9
Naphthalene

Concen: 0.115 ng

RT: 10.415 min Scan# 949

Delta R.T. -0.000 min

Lab File: BN037209.D

Acq: 10 Jun 2025 02:12

Instrument :

BNA_N

ClientSampleId :

MW-19B-72-060425

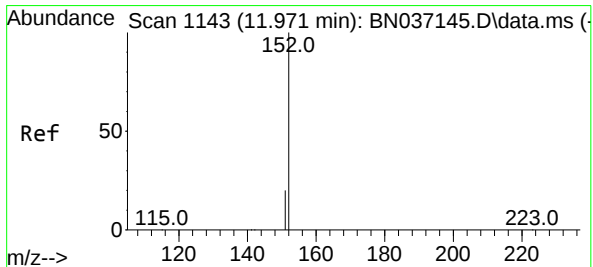
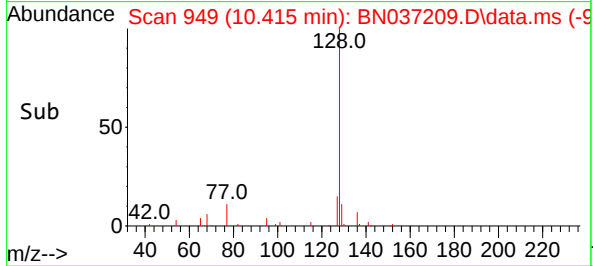
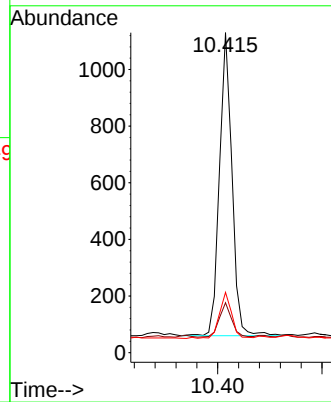
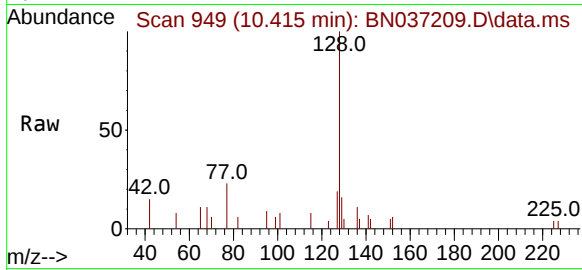
Tgt Ion:128 Resp: 1782

Ion Ratio Lower Upper

128 100

129 15.6 9.8 14.8#

127 18.8 12.3 18.5#



#11

2-Methylnaphthalene-d10

Concen: 0.386 ng

RT: 11.965 min Scan# 1142

Delta R.T. -0.005 min

Lab File: BN037209.D

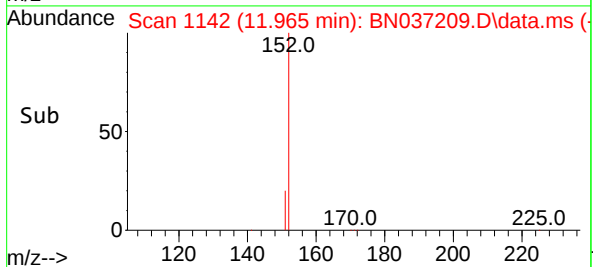
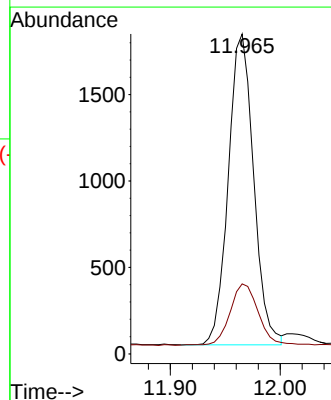
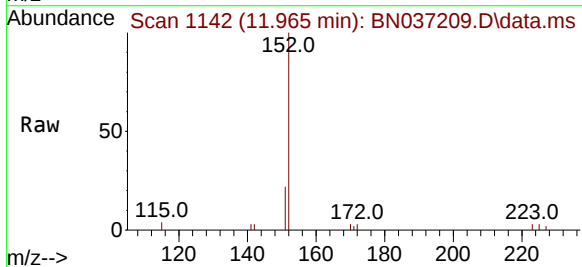
Acq: 10 Jun 2025 02:12

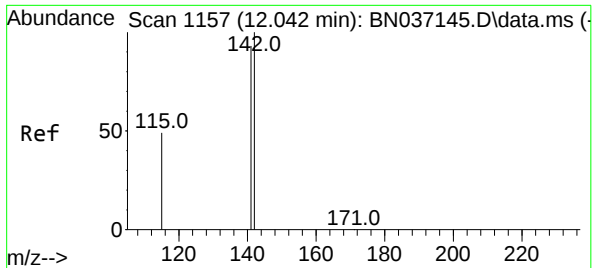
Tgt Ion:152 Resp: 2886

Ion Ratio Lower Upper

152 100

151 22.1 17.1 25.7

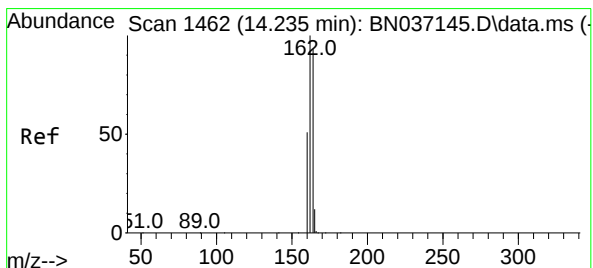
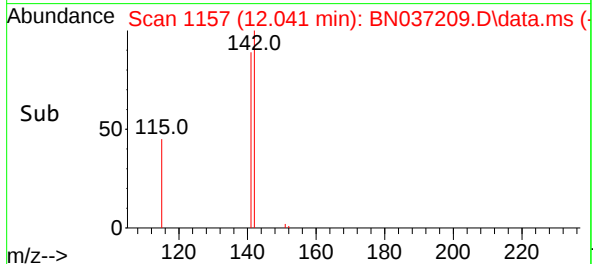
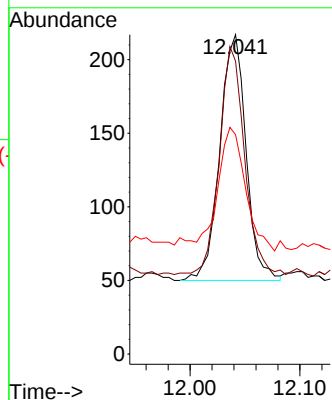
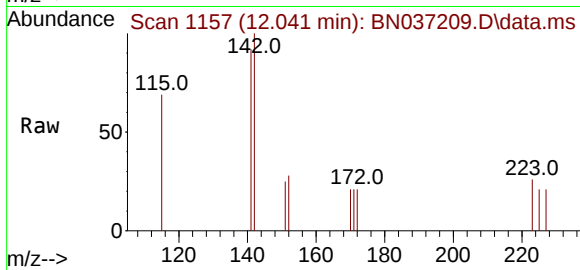




#12
2-Methylnaphthalene
Concen: 0.028 ng
RT: 12.041 min Scan# 1157
Delta R.T. -0.000 min
Lab File: BN037209.D
Acq: 10 Jun 2025 02:12

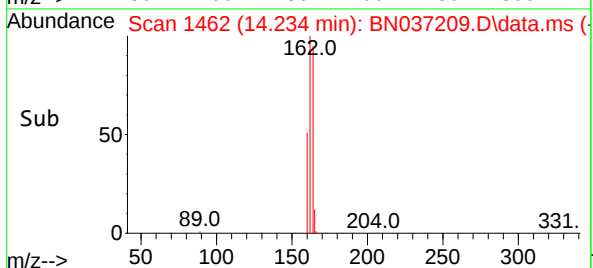
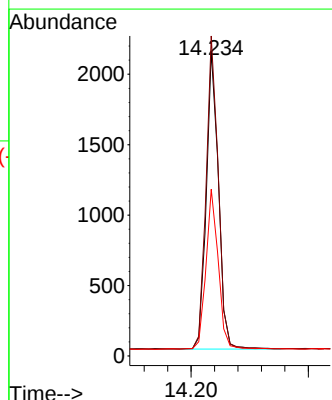
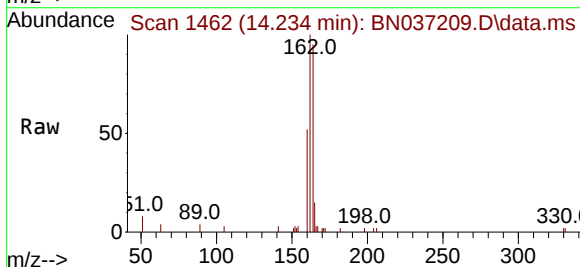
Instrument :
BNA_N
ClientSampleId :
MW-19B-72-060425

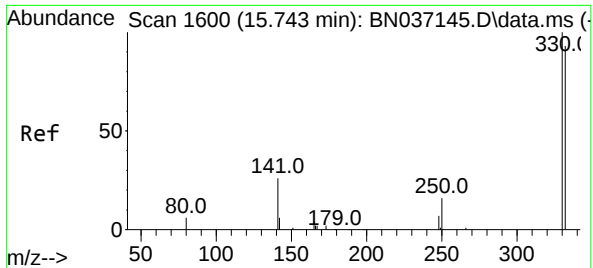
Tgt Ion:142 Resp: 277
Ion Ratio Lower Upper
142 100
141 91.7 74.6 111.8
115 68.7 41.0 61.4#



#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.234 min Scan# 1462
Delta R.T. -0.000 min
Lab File: BN037209.D
Acq: 10 Jun 2025 02:12

Tgt Ion:164 Resp: 3061
Ion Ratio Lower Upper
164 100
162 105.0 85.5 128.3
160 54.7 44.6 67.0

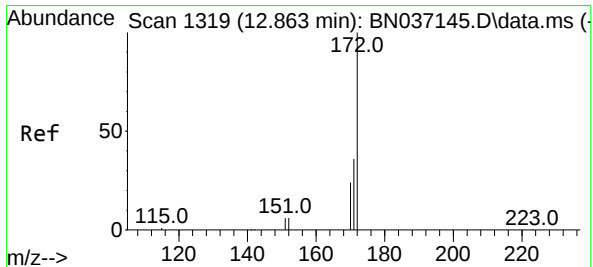
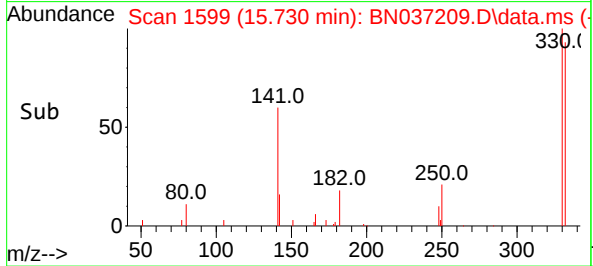
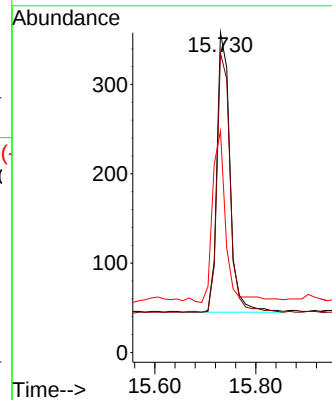
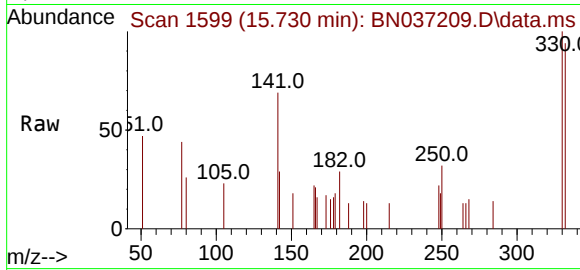




#14
2,4,6-Tribromophenol
Concen: 0.454 ng
RT: 15.730 min Scan# 1599
Delta R.T. -0.013 min
Lab File: BN037209.D
Acq: 10 Jun 2025 02:12

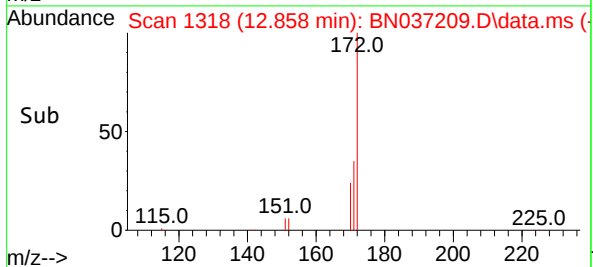
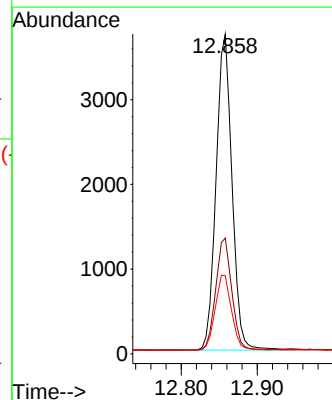
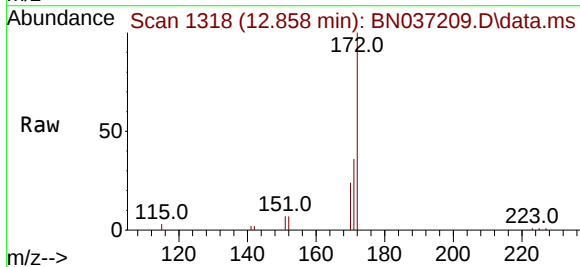
Instrument :
BNA_N
ClientSampleId :
MW-19B-72-060425

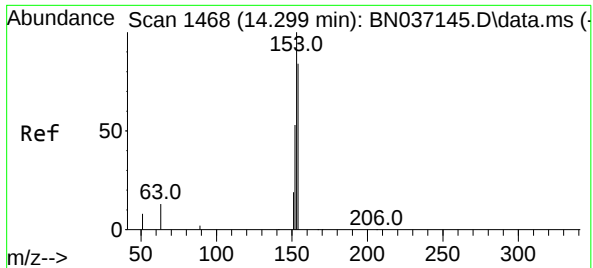
Tgt Ion:	330	Resp:	560
Ion Ratio	Lower	Upper	
330	100		
332	93.0	77.1	115.7
141	62.0	46.4	69.6



#15
2-Fluorobiphenyl
Concen: 0.414 ng
RT: 12.858 min Scan# 1318
Delta R.T. -0.005 min
Lab File: BN037209.D
Acq: 10 Jun 2025 02:12

Tgt Ion:	172	Resp:	5407
Ion Ratio	Lower	Upper	
172	100		
171	36.2	29.6	44.4
170	24.5	20.3	30.5

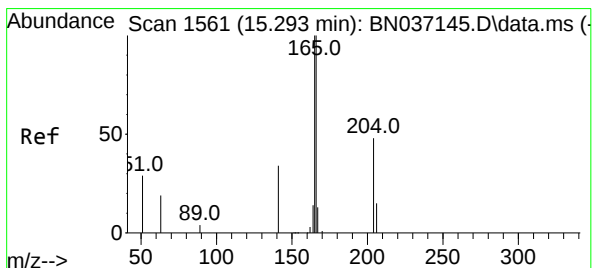
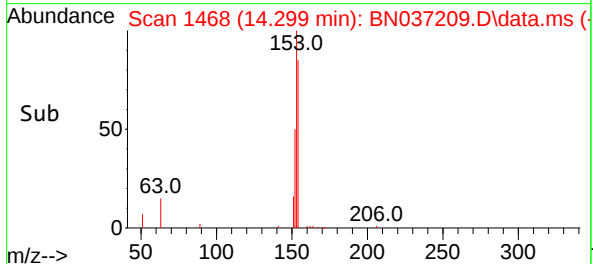
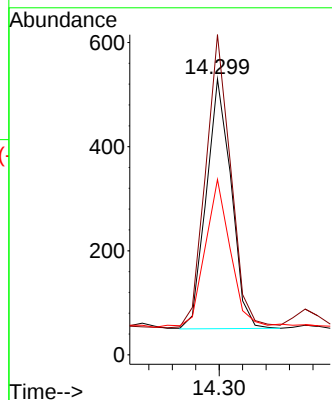
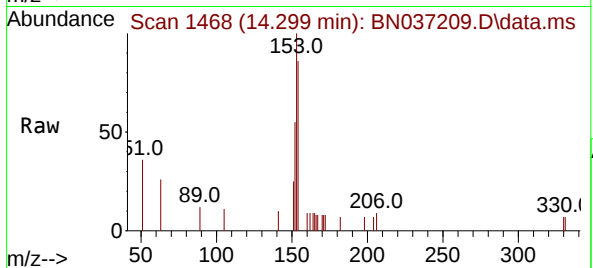




#17
Acenaphthene
Concen: 0.072 ng
RT: 14.299 min Scan# 1468
Delta R.T. -0.000 min
Lab File: BN037209.D
Acq: 10 Jun 2025 02:12

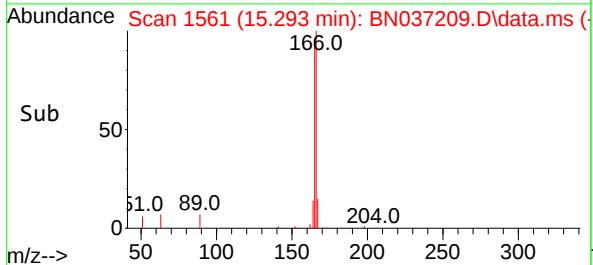
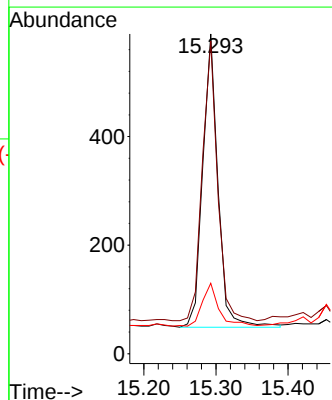
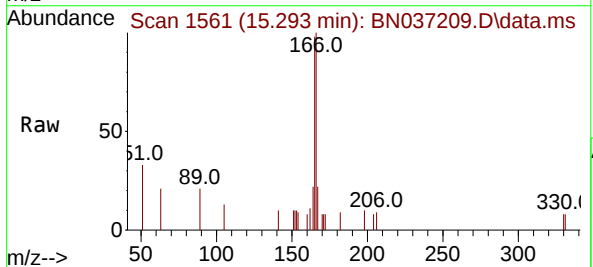
Instrument :
BNA_N
ClientSampleId :
MW-19B-72-060425

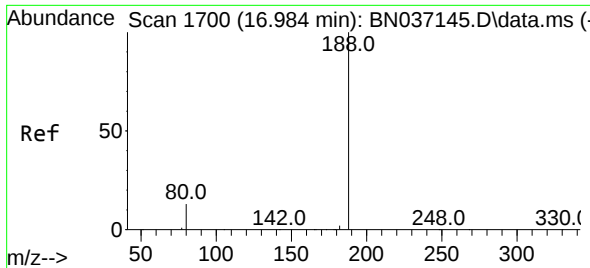
Tgt Ion	Ratio	Lower	Upper
154	100		
153	118.3	93.8	140.8
152	62.7	50.5	75.7



#18
Fluorene
Concen: 0.062 ng
RT: 15.293 min Scan# 1561
Delta R.T. -0.000 min
Lab File: BN037209.D
Acq: 10 Jun 2025 02:12

Tgt Ion	Ratio	Lower	Upper
166	100		
165	94.6	81.1	121.7
167	15.8	10.8	16.2





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 16.984 min Scan# 11

Delta R.T. -0.000 min

Lab File: BN037209.D

Acq: 10 Jun 2025 02:12

Instrument :

BNA_N

ClientSampleId :

MW-19B-72-060425

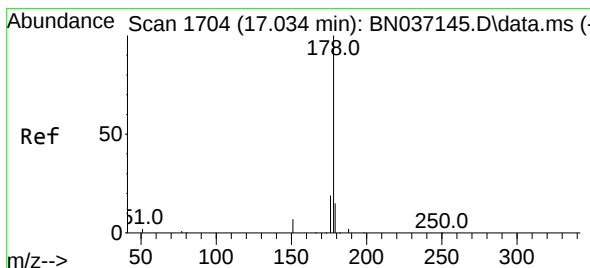
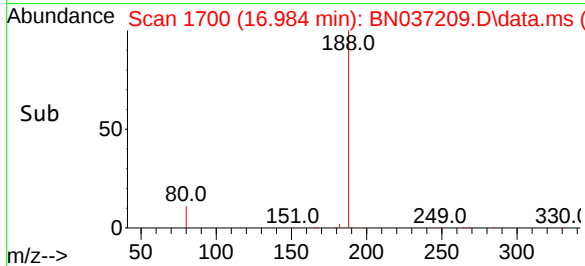
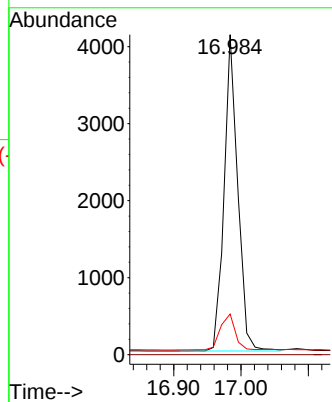
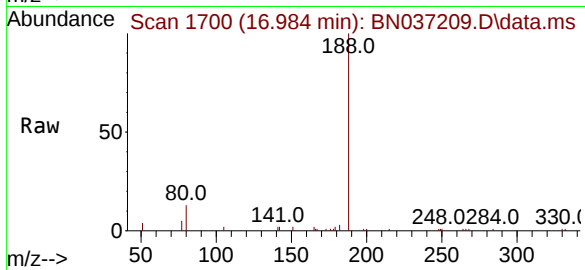
Tgt Ion:188 Resp: 5755

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

80 12.7 11.3 16.9



#25

Phenanthrene

Concen: 0.539 ng

RT: 17.021 min Scan# 1703

Delta R.T. -0.013 min

Lab File: BN037209.D

Acq: 10 Jun 2025 02:12

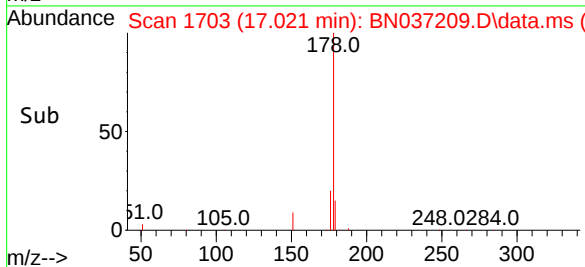
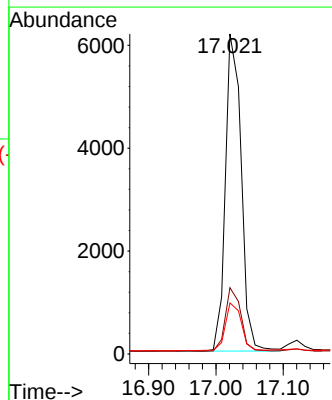
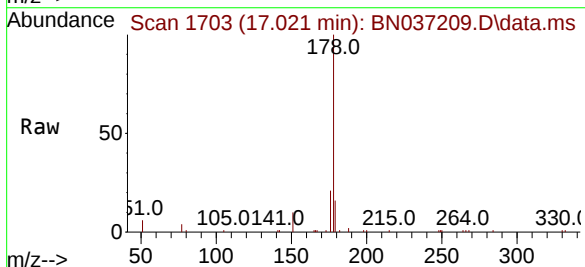
Tgt Ion:178 Resp: 10041

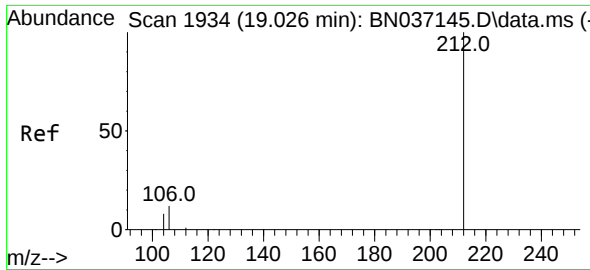
Ion Ratio Lower Upper

178 100

176 19.5 15.7 23.5

179 15.2 12.3 18.5





#27

Fluoranthene-d10

Concen: 0.422 ng

RT: 19.026 min Scan# 1934

Delta R.T. -0.000 min

Lab File: BN037209.D

Acq: 10 Jun 2025 02:12

Instrument :

BNA_N

ClientSampleId :

MW-19B-72-060425

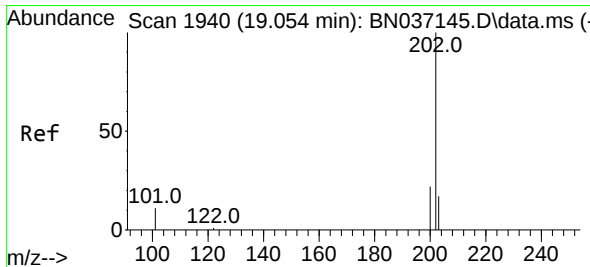
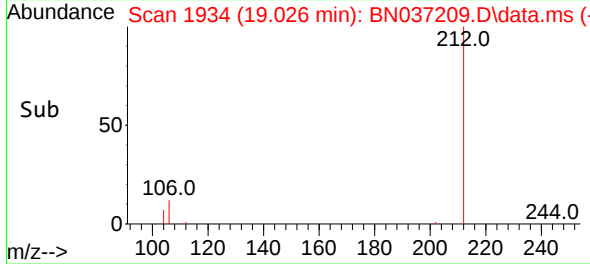
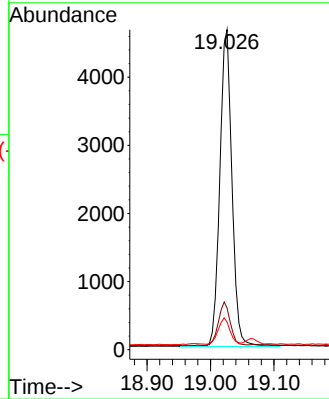
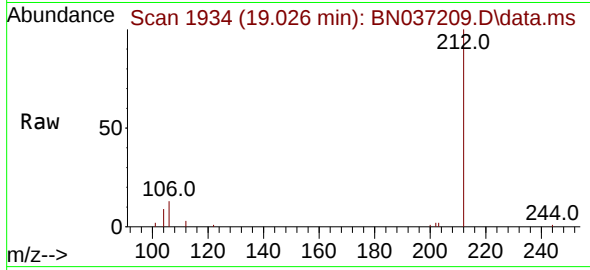
Tgt Ion:212 Resp: 6173

Ion Ratio Lower Upper

212 100

106 13.3 10.6 15.8

104 8.2 6.6 9.8



#28

Fluoranthene

Concen: 0.376 ng

RT: 19.054 min Scan# 1940

Delta R.T. -0.000 min

Lab File: BN037209.D

Acq: 10 Jun 2025 02:12

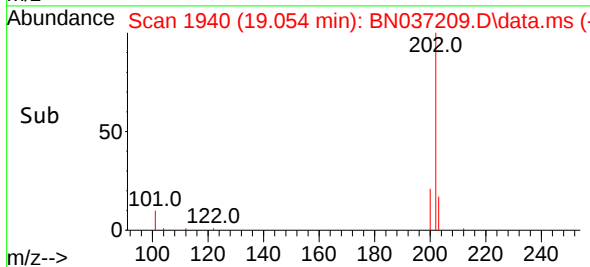
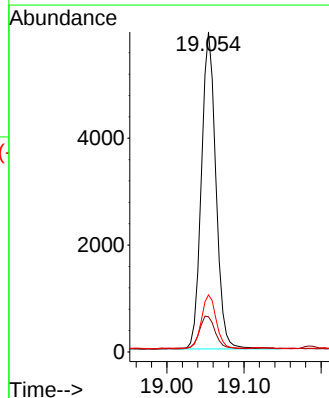
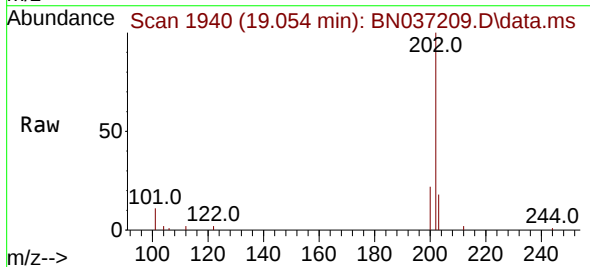
Tgt Ion:202 Resp: 7738

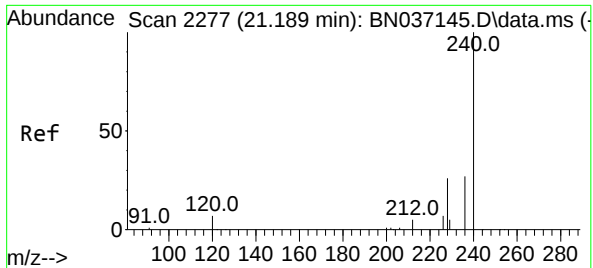
Ion Ratio Lower Upper

202 100

101 11.3 8.7 13.1

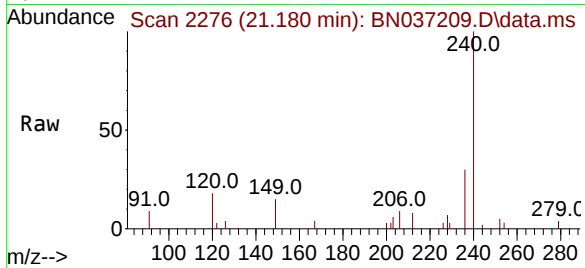
203 17.1 13.5 20.3



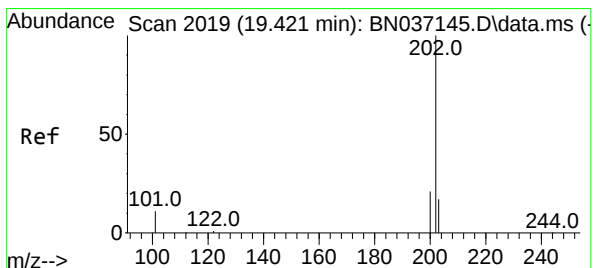
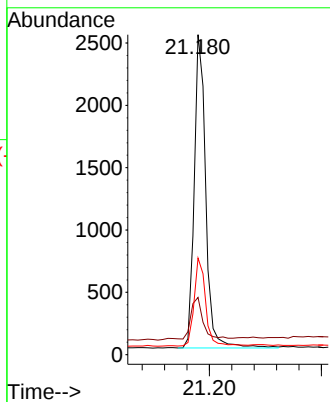
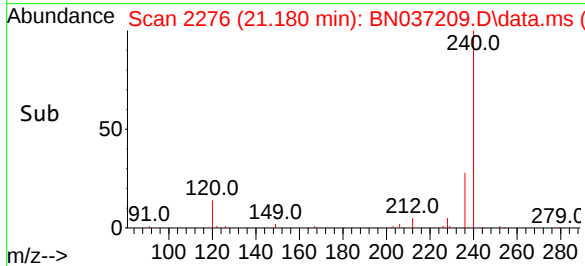


#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.180 min Scan# 21180
Delta R.T. -0.009 min
Lab File: BN037209.D
Acq: 10 Jun 2025 02:12

Instrument :
BNA_N
ClientSampleId :
MW-19B-72-060425

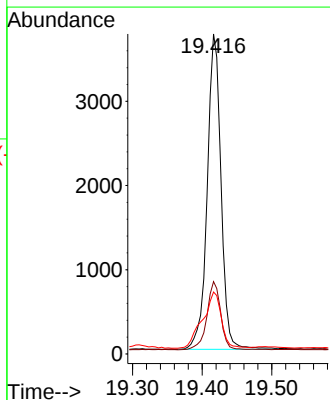
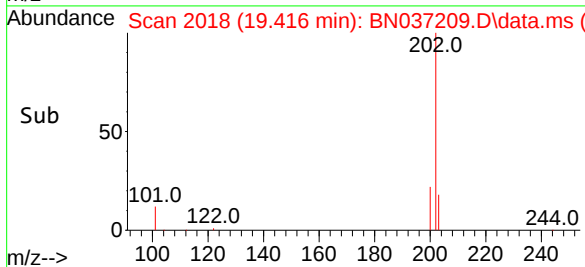
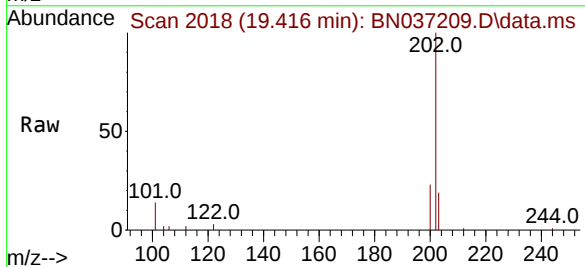


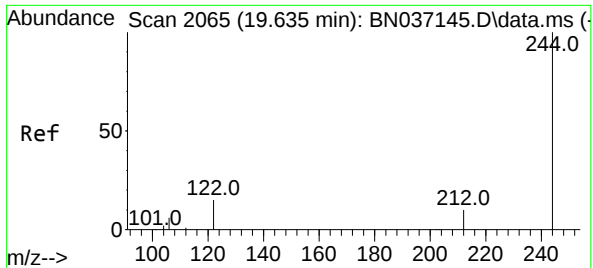
Tgt Ion:240 Resp: 3593
Ion Ratio Lower Upper
240 100
120 17.9 9.0 13.4#
236 30.2 23.0 34.4



#30
Pyrene
Concen: 0.294 ng
RT: 19.416 min Scan# 2018
Delta R.T. -0.005 min
Lab File: BN037209.D
Acq: 10 Jun 2025 02:12

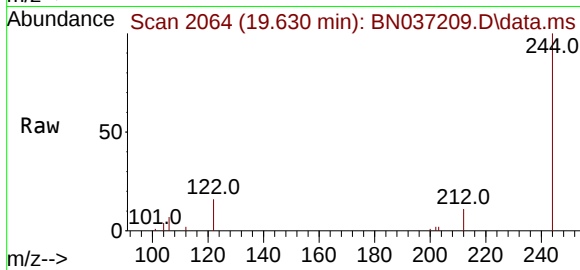
Tgt Ion:202 Resp: 5158
Ion Ratio Lower Upper
202 100
200 21.6 17.0 25.6
203 24.1 14.2 21.4#



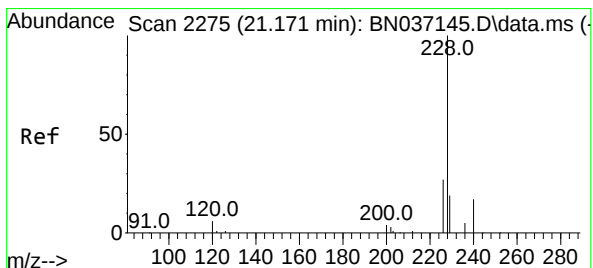
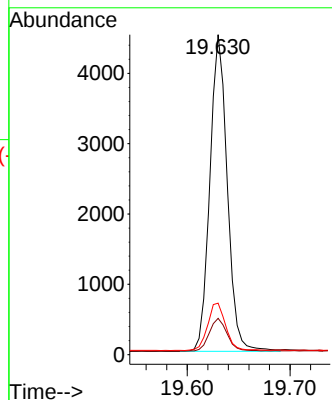


#31
Terphenyl-d14
Concen: 0.625 ng
RT: 19.630 min Scan# 2064
Delta R.T. -0.005 min
Lab File: BN037209.D
Acq: 10 Jun 2025 02:12

Instrument :
BNA_N
ClientSampleId :
MW-19B-72-060425

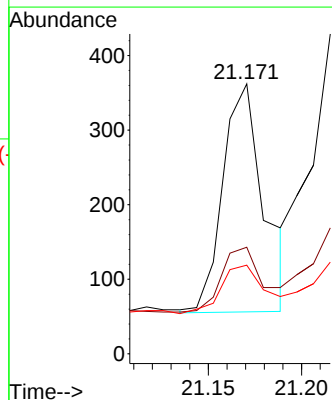
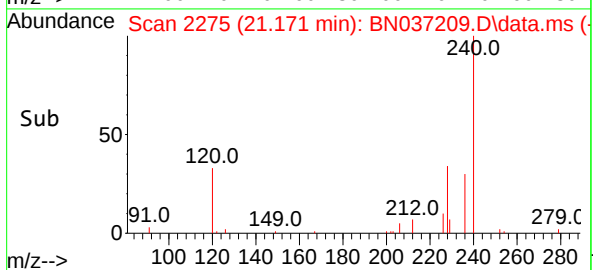
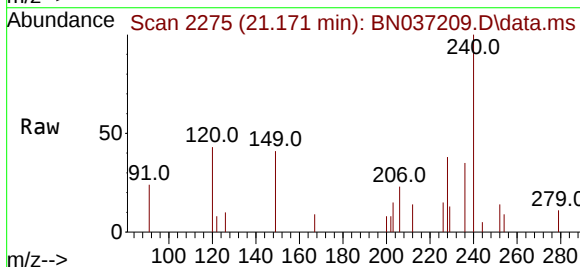


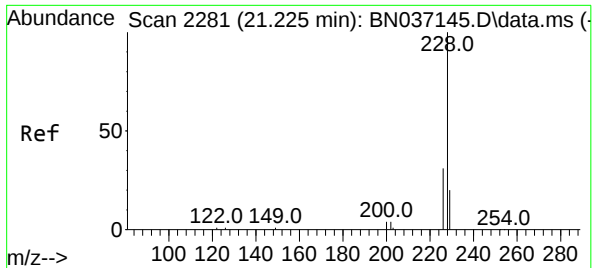
Tgt Ion	Ratio	Lower	Upper
244	100		
212	11.3	10.0	15.0
122	16.1	13.2	19.8



#32
Benzo(a)anthracene
Concen: 0.036 ng
RT: 21.171 min Scan# 2275
Delta R.T. -0.000 min
Lab File: BN037209.D
Acq: 10 Jun 2025 02:12

Tgt Ion	Ratio	Lower	Upper
228	100		
226	39.5	22.6	33.8#
229	32.9	16.2	24.2#





#33

Chrysene

Concen: 0.046 ng

RT: 21.215 min Scan# 21

Delta R.T. -0.009 min

Lab File: BN037209.D

Acq: 10 Jun 2025 02:12

Instrument :

BNA_N

ClientSampleId :

MW-19B-72-060425

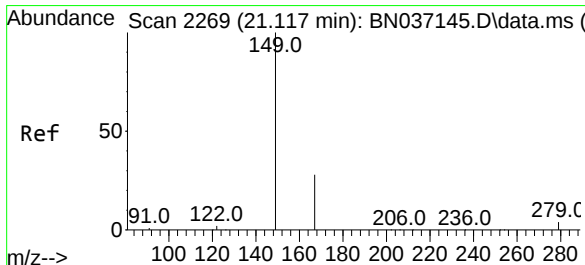
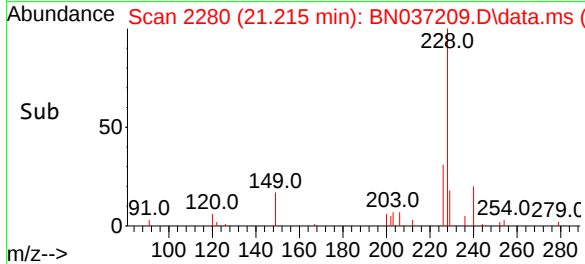
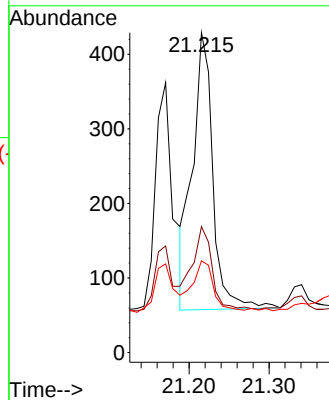
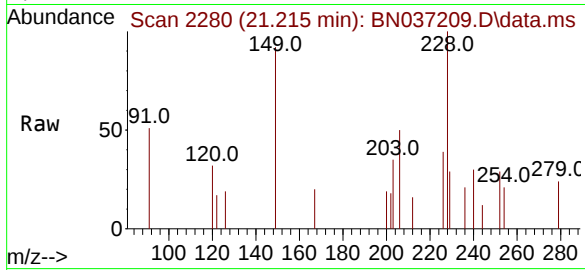
Tgt Ion:228 Resp: 659

Ion Ratio Lower Upper

228 100

226 39.4 25.2 37.8#

229 28.7 16.8 25.2#



#34

Bis(2-ethylhexyl)phthalate

Concen: 0.154 ng

RT: 21.108 min Scan# 2268

Delta R.T. -0.009 min

Lab File: BN037209.D

Acq: 10 Jun 2025 02:12

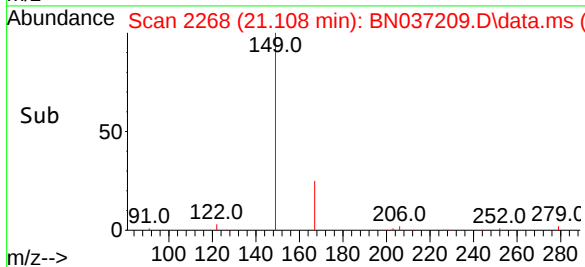
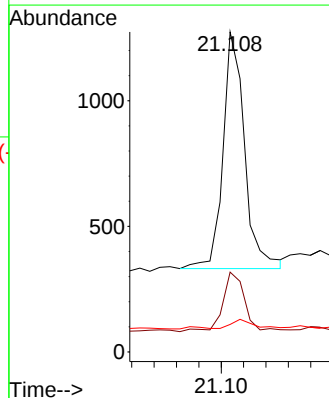
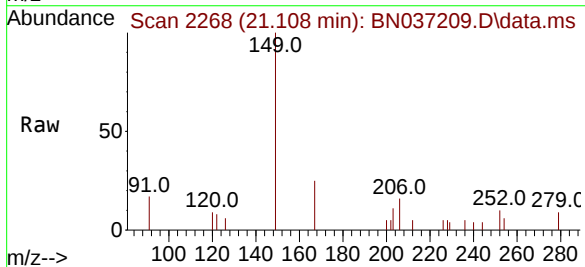
Tgt Ion:149 Resp: 1263

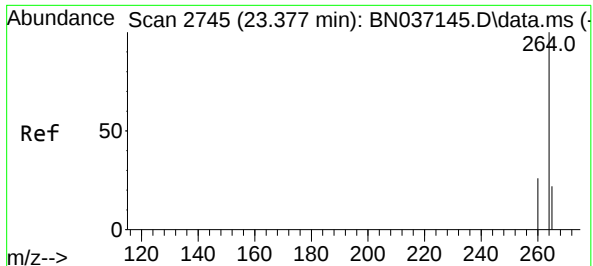
Ion Ratio Lower Upper

149 100

167 26.0 21.0 31.4

279 3.7 2.9 4.3





#35

Perylene-d12

Concen: 0.400 ng

RT: 23.374 min Scan# 21

Delta R.T. -0.003 min

Lab File: BN037209.D

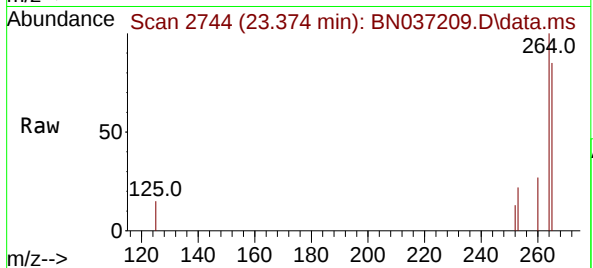
Acq: 10 Jun 2025 02:12

Instrument :

BNA_N

ClientSampleId :

MW-19B-72-060425



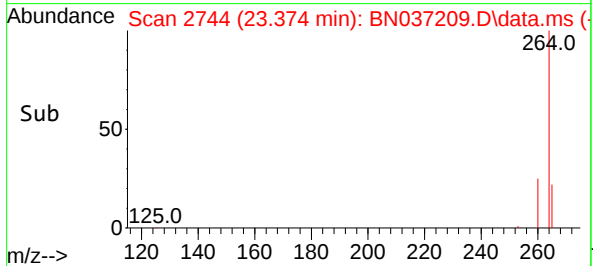
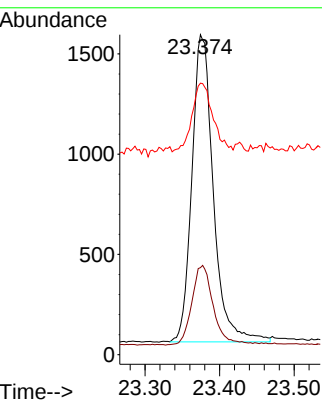
Tgt Ion:264 Resp: 3061

Ion Ratio Lower Upper

264 100

260 27.2 22.1 33.1

265 84.8 55.8 83.8#



Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN060925\
 Data File : BN037213.D
 Acq On : 10 Jun 2025 09:49
 Operator : RC/JU
 Sample : Q2234-07DL 2X
 Misc :
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 MW-19B-72-060425DL

A
B
C
D
E
F
G
H
I
J
K

Quant Time: Jun 10 10:51:19 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN060325.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jun 04 01:52:03 2025
 Response via : Initial Calibration

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

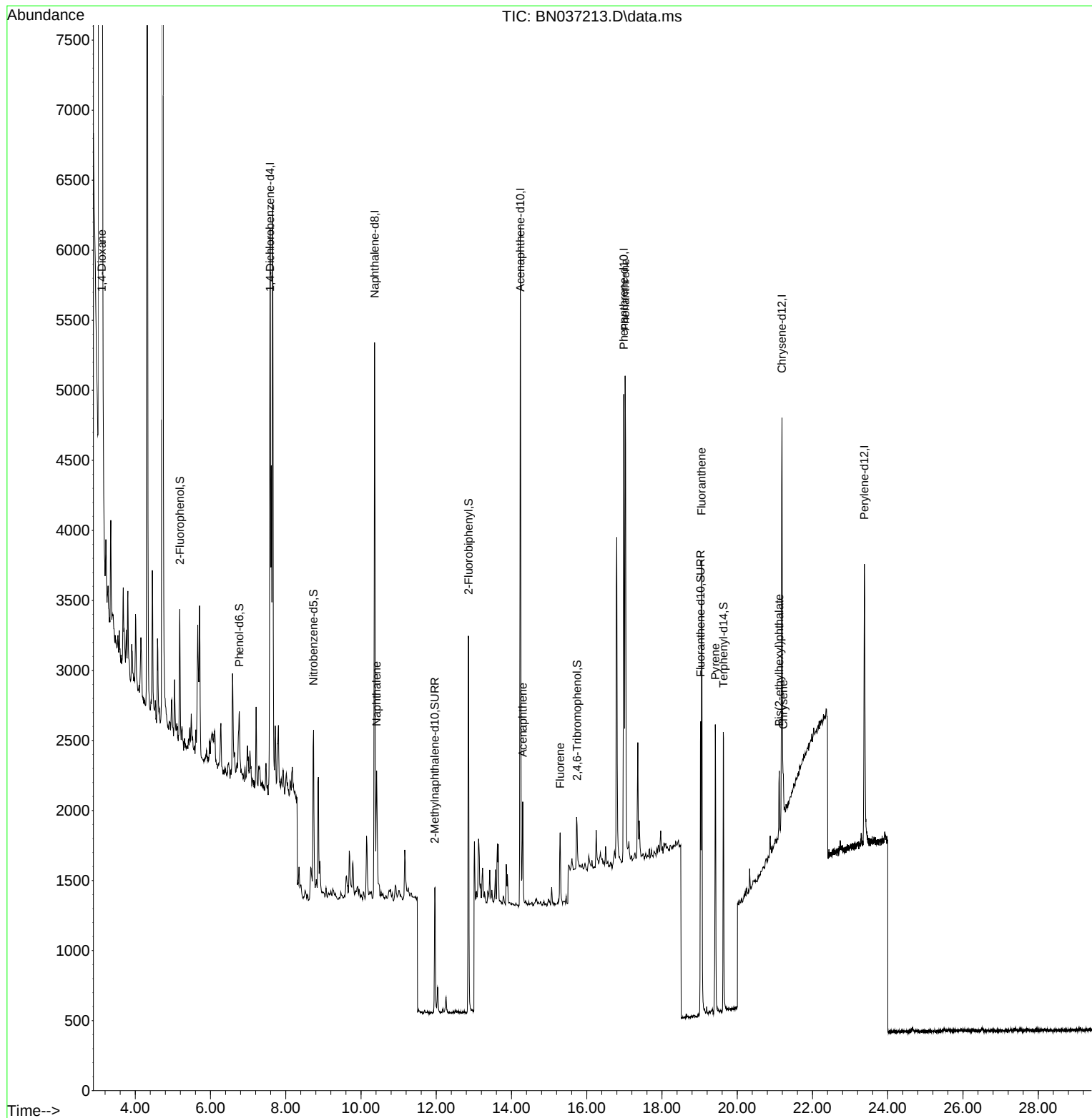
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.582	152	1883	0.400	ng	0.00
7) Naphthalene-d8	10.362	136	4807	0.400	ng	-0.01
13) Acenaphthene-d10	14.235	164	2597	0.400	ng	0.00
19) Phenanthrene-d10	16.984	188	4389	0.400	ng	0.00
29) Chrysene-d12	21.189	240	2810	0.400	ng	# 0.00
35) Perylene-d12	23.380	264	2751	0.400	ng	# 0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.184	112	530	0.114	ng	0.00
5) Phenol-d6	6.766	99	394	0.070	ng	0.00
8) Nitrobenzene-d5	8.739	82	1062	0.209	ng	0.00
11) 2-Methylnaphthalene-d10	11.961	152	1359	0.203	ng	-0.01
14) 2,4,6-Tribromophenol	15.743	330	218	0.208	ng	0.00
15) 2-Fluorobiphenyl	12.858	172	2439	0.220	ng	0.00
27) Fluoranthene-d10	19.026	212	2415	0.217	ng	0.00
31) Terphenyl-d14	19.630	244	2038	0.308	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	3.112	88	7647	3.047	ng	98
9) Naphthalene	10.415	128	829	0.060	ng	# 83
17) Acenaphthene	14.299	154	316	0.038	ng	98
18) Fluorene	15.293	166	334	0.031	ng	# 91
25) Phenanthrene	17.021	178	3983	0.280	ng	99
28) Fluoranthene	19.054	202	2915	0.186	ng	99
30) Pyrene	19.416	202	1996	0.146	ng	# 94
33) Chrysene	21.225	228	295	0.026	ng	# 64
34) Bis(2-ethylhexyl)phtha...	21.117	149	620	0.097	ng	# 88

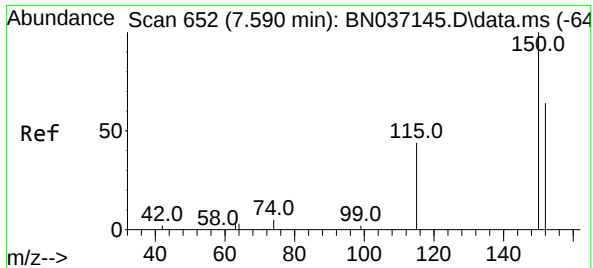
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN060925\
Data File : BN037213.D
Acq On : 10 Jun 2025 09:49
Operator : RC/JU
Sample : Q2234-07DL 2X
Misc :
ALS Vial : 31 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
MW-19B-72-060425DL

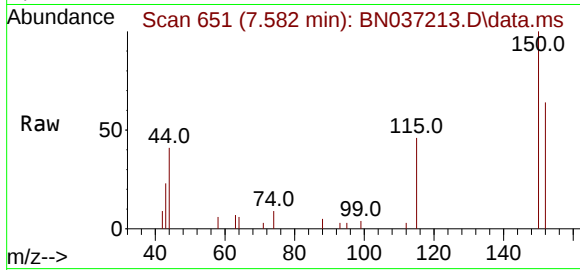
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jun 04 01:52:03 2025
Response via : Initial Calibration



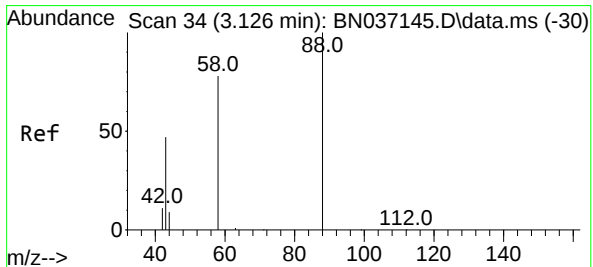
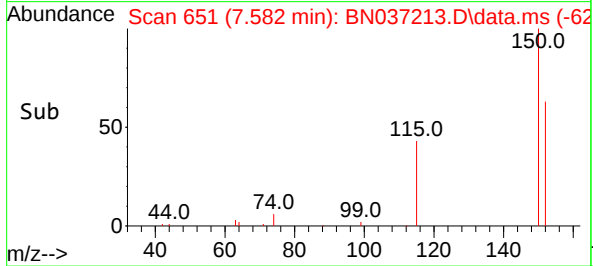
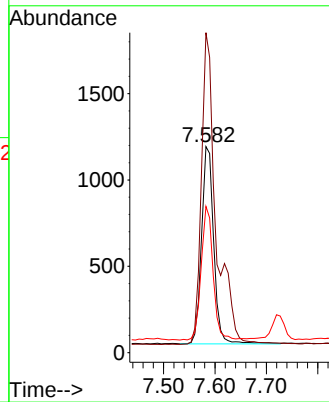


#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.582 min Scan# 61
Delta R.T. -0.008 min
Lab File: BN037213.D
Acq: 10 Jun 2025 09:49

Instrument :
BNA_N
ClientSampleId :
MW-19B-72-060425DL

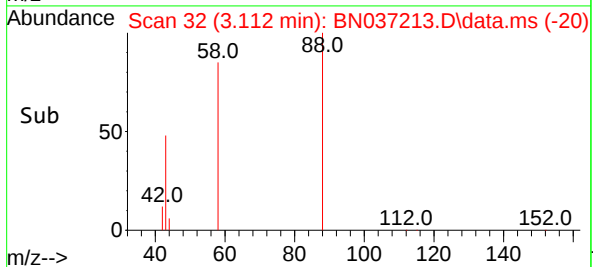
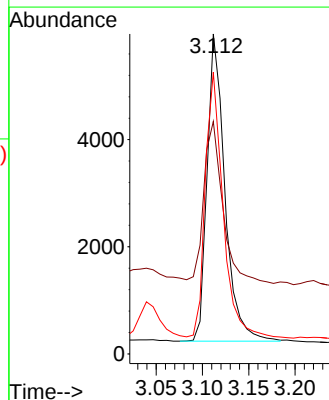
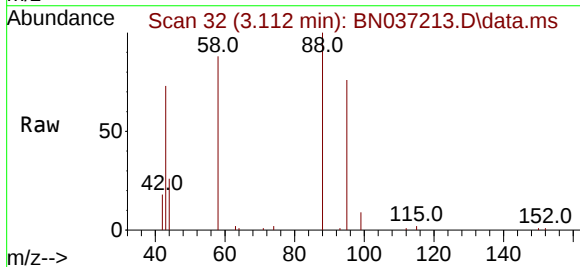


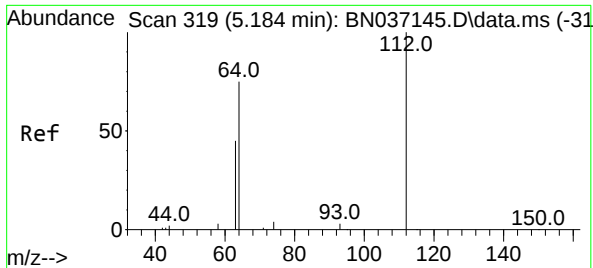
Tgt Ion:152 Resp: 1883
Ion Ratio Lower Upper
152 100
150 155.3 123.2 184.8
115 71.0 56.6 85.0



#2
1,4-Dioxane
Concen: 3.047 ng
RT: 3.112 min Scan# 32
Delta R.T. -0.014 min
Lab File: BN037213.D
Acq: 10 Jun 2025 09:49

Tgt Ion: 88 Resp: 7647
Ion Ratio Lower Upper
88 100
43 55.1 43.5 65.3
58 86.8 67.7 101.5



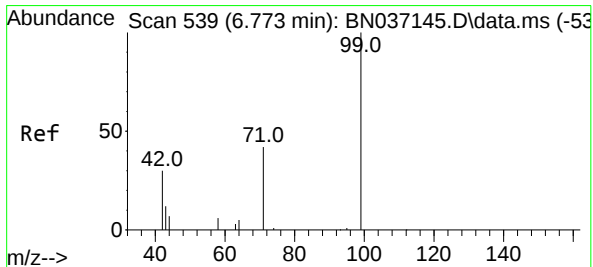
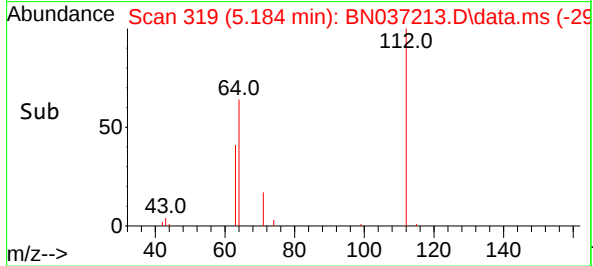
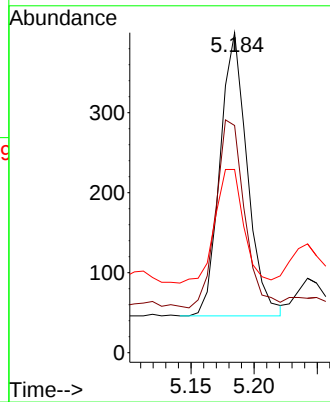
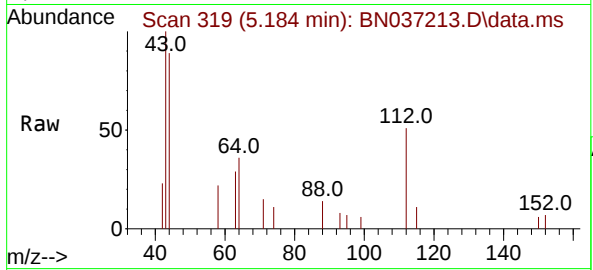


#4
2-Fluorophenol
Concen: 0.114 ng
RT: 5.184 min Scan# 319
Delta R.T. -0.000 min
Lab File: BN037213.D
Acq: 10 Jun 2025 09:49

Instrument :
BNA_N
ClientSampleId :
MW-19B-72-060425DL

Tgt Ion: 112 Resp: 530

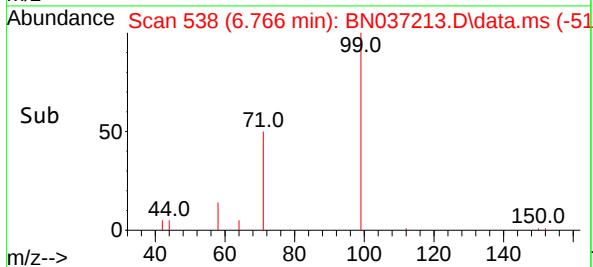
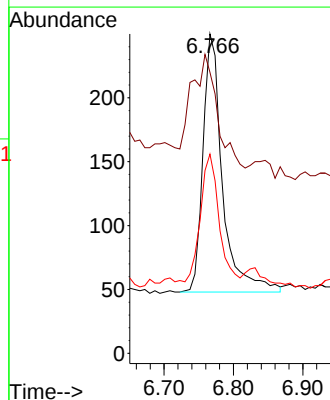
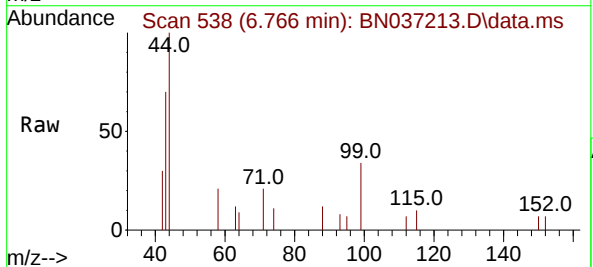
Ion	Ratio	Lower	Upper
112	100		
64	69.8	56.3	84.5
63	42.8	36.2	54.4

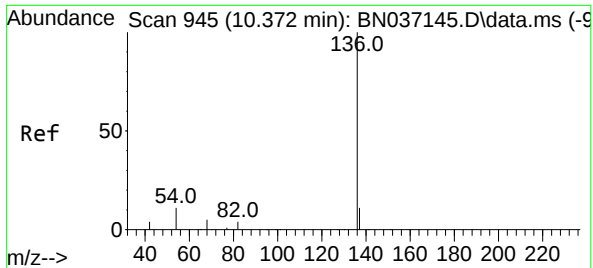


#5
Phenol-d6
Concen: 0.070 ng
RT: 6.766 min Scan# 538
Delta R.T. -0.007 min
Lab File: BN037213.D
Acq: 10 Jun 2025 09:49

Tgt Ion: 99 Resp: 394

Ion	Ratio	Lower	Upper
99	100		
42	58.4	31.3	46.9#
71	48.7	38.2	57.2

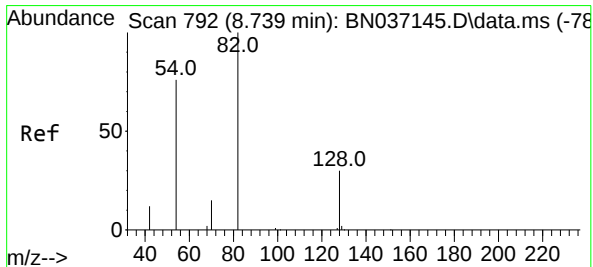
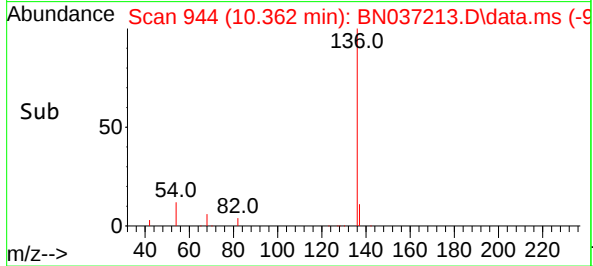
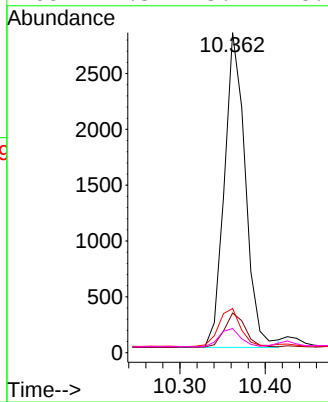
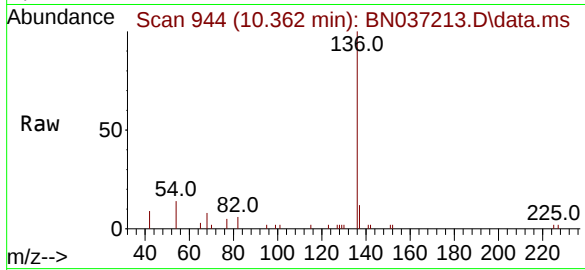




#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.362 min Scan# 945
Delta R.T. -0.011 min
Lab File: BN037213.D
Acq: 10 Jun 2025 09:49

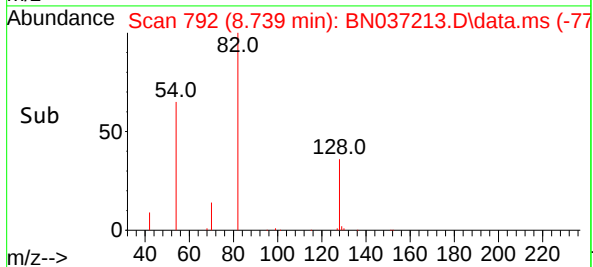
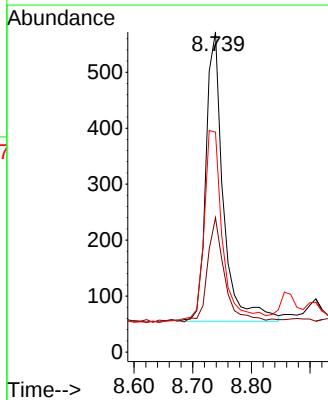
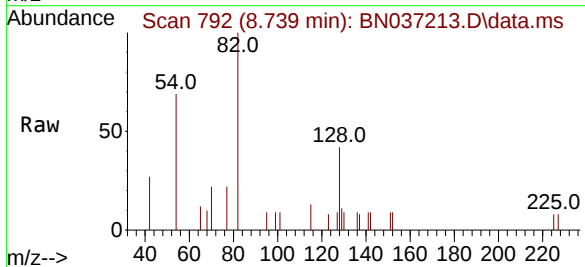
Instrument :
BNA_N
ClientSampleId :
MW-19B-72-060425DL

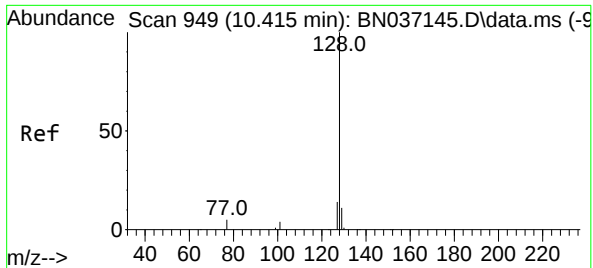
Tgt Ion:	136	Resp:	4807
Ion	Ratio	Lower	Upper
136	100		
137	12.4	9.7	14.5
54	13.8	9.7	14.5
68	7.5	5.4	8.2



#8
Nitrobenzene-d5
Concen: 0.209 ng
RT: 8.739 min Scan# 792
Delta R.T. -0.000 min
Lab File: BN037213.D
Acq: 10 Jun 2025 09:49

Tgt Ion:	82	Resp:	1062
Ion	Ratio	Lower	Upper
82	100		
128	42.0	26.9	40.3
54	68.7	61.4	92.2

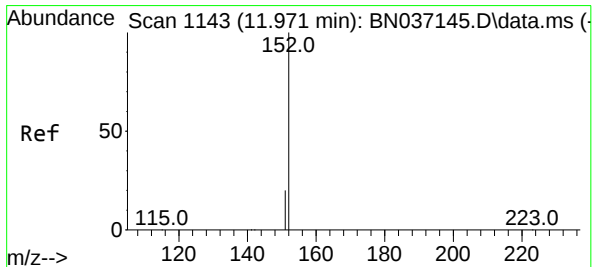
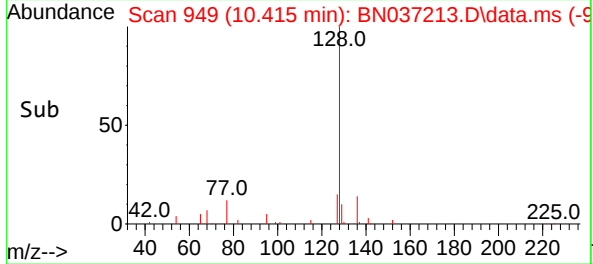
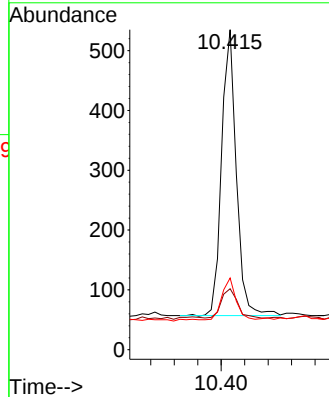
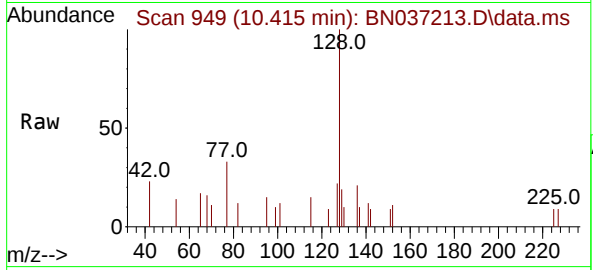




#9
Naphthalene
Concen: 0.060 ng
RT: 10.415 min Scan# 949
Delta R.T. 0.000 min
Lab File: BN037213.D
Acq: 10 Jun 2025 09:49

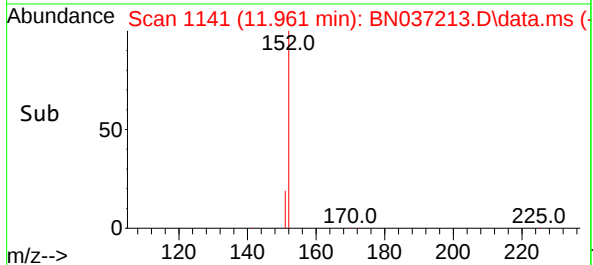
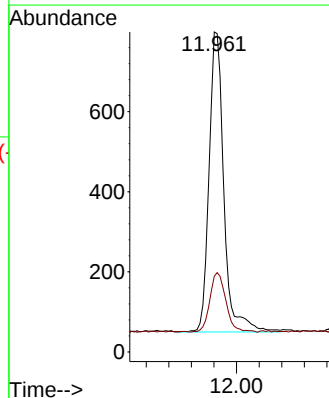
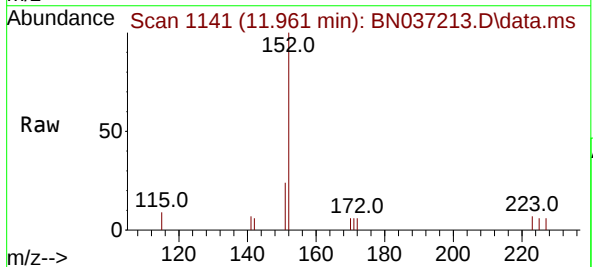
Instrument :
BNA_N
ClientSampleId :
MW-19B-72-060425DL

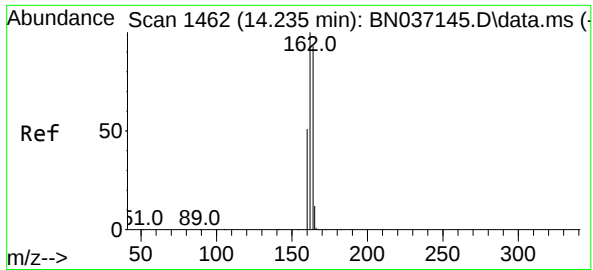
Tgt Ion:	128	Resp:	829
Ion	Ratio	Lower	Upper
128	100		
129	19.1	9.8	14.8#
127	22.4	12.3	18.5#



#11
2-Methylnaphthalene-d10
Concen: 0.203 ng
RT: 11.961 min Scan# 1141
Delta R.T. -0.010 min
Lab File: BN037213.D
Acq: 10 Jun 2025 09:49

Tgt Ion:	152	Resp:	1359
Ion	Ratio	Lower	Upper
152	100		
151	21.7	17.1	25.7

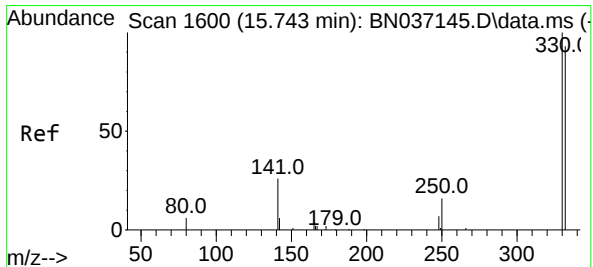
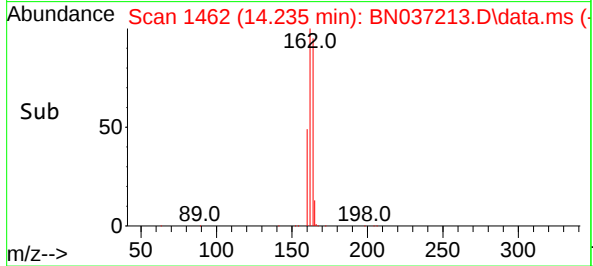
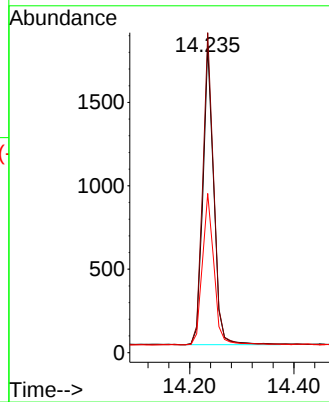
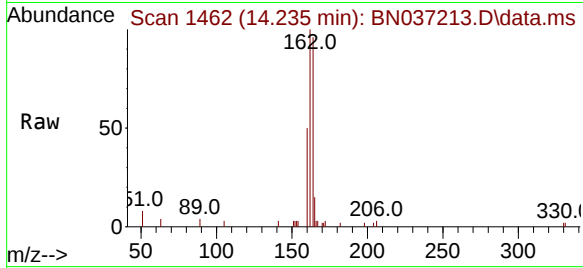




#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.235 min Scan# 1462
Delta R.T. -0.000 min
Lab File: BN037213.D
Acq: 10 Jun 2025 09:49

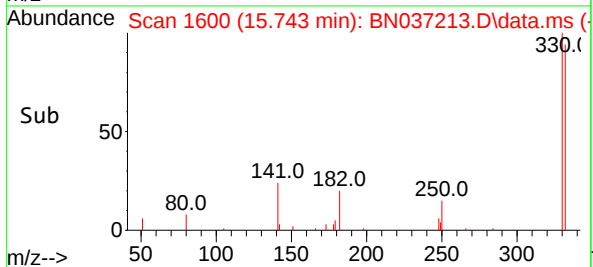
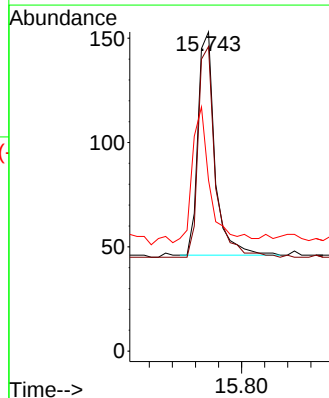
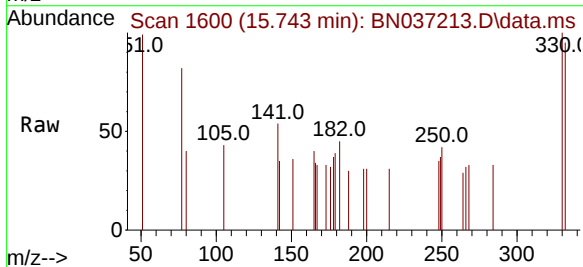
Instrument :
BNA_N
ClientSampleId :
MW-19B-72-060425DL

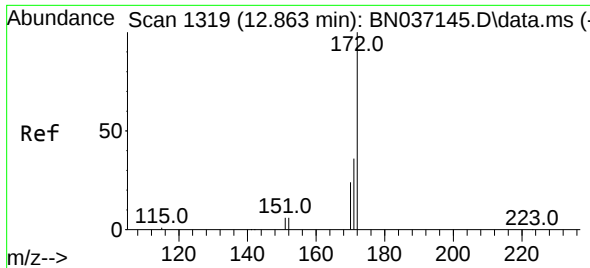
Tgt Ion:	164	Resp:	2597
Ion	Ratio	Lower	Upper
164	100		
162	104.4	85.5	128.3
160	51.9	44.6	67.0



#14
2,4,6-Tribromophenol
Concen: 0.208 ng
RT: 15.743 min Scan# 1600
Delta R.T. -0.000 min
Lab File: BN037213.D
Acq: 10 Jun 2025 09:49

Tgt Ion:	330	Resp:	218
Ion	Ratio	Lower	Upper
330	100		
332	95.9	77.1	115.7
141	63.8	46.4	69.6

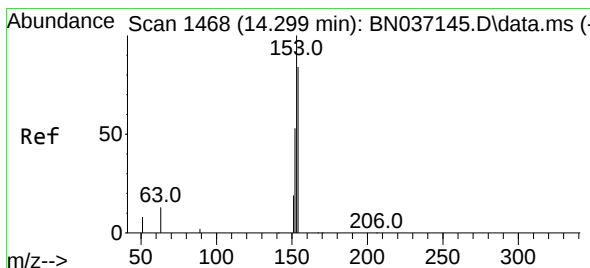
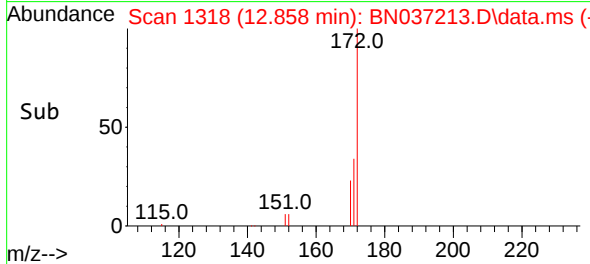
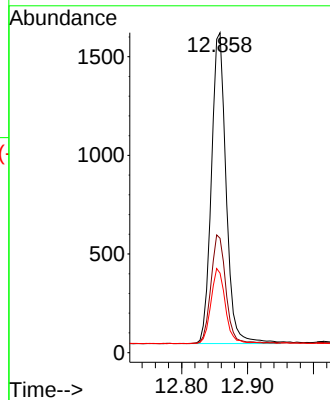
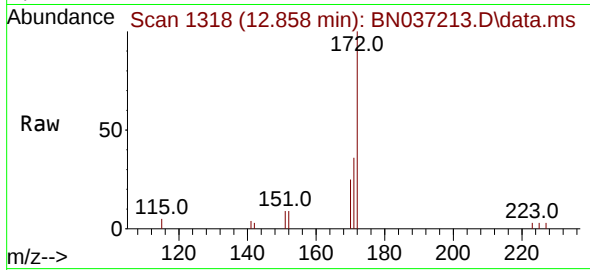




#15
2-Fluorobiphenyl
Concen: 0.220 ng
RT: 12.858 min Scan# 1318
Delta R.T. -0.005 min
Lab File: BN037213.D
Acq: 10 Jun 2025 09:49

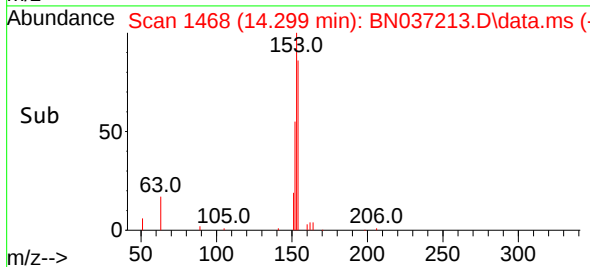
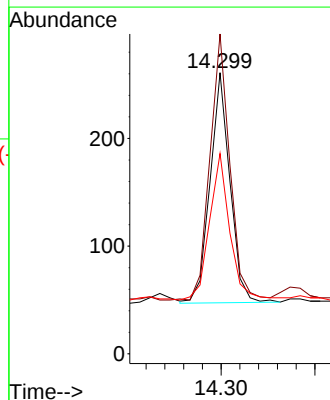
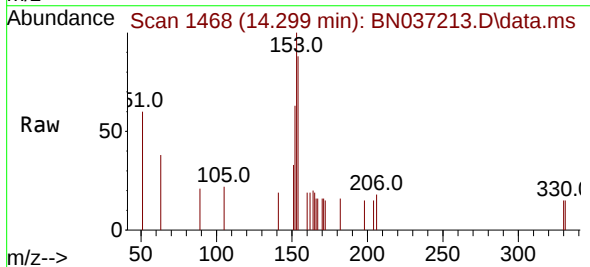
Instrument :
BNA_N
ClientSampleId :
MW-19B-72-060425DL

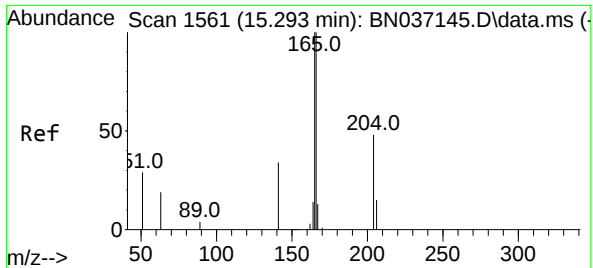
Tgt Ion:	172	Resp:	2439
Ion	Ratio	Lower	Upper
172	100		
171	35.8	29.6	44.4
170	24.8	20.3	30.5



#17
Acenaphthene
Concen: 0.038 ng
RT: 14.299 min Scan# 1468
Delta R.T. -0.000 min
Lab File: BN037213.D
Acq: 10 Jun 2025 09:49

Tgt Ion:	154	Resp:	316
Ion	Ratio	Lower	Upper
154	100		
153	115.2	93.8	140.8
152	65.2	50.5	75.7

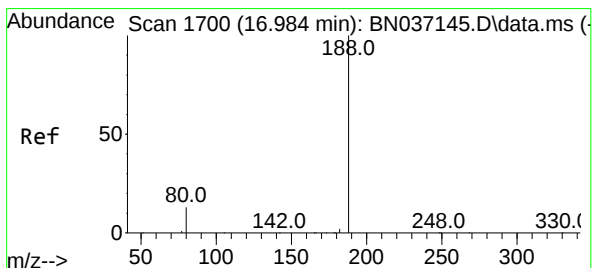
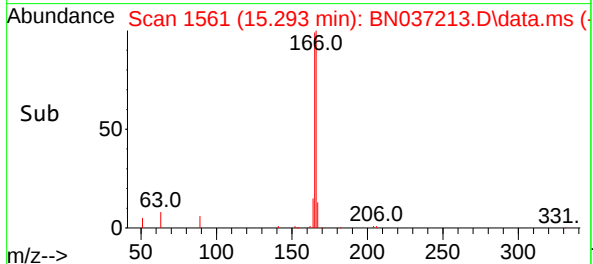
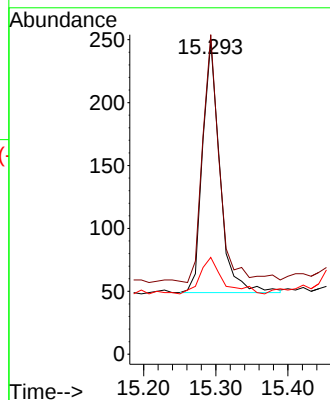
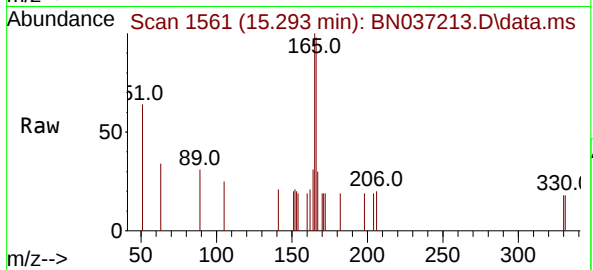




#18
Fluorene
Concen: 0.031 ng
RT: 15.293 min Scan# 1561
Delta R.T. -0.000 min
Lab File: BN037213.D
Acq: 10 Jun 2025 09:49

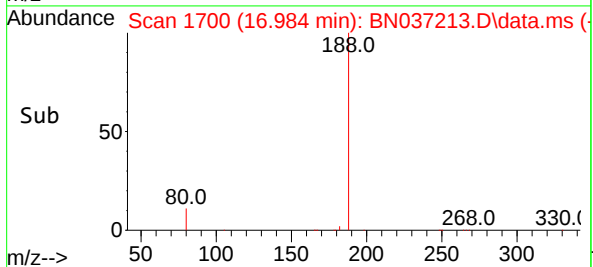
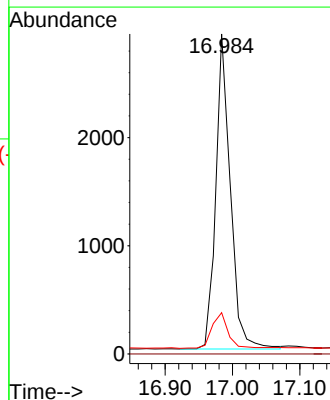
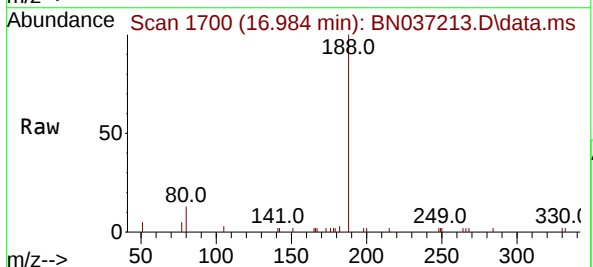
Instrument :
BNA_N
ClientSampleId :
MW-19B-72-060425DL

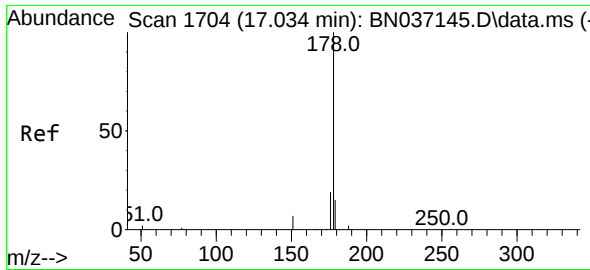
Tgt Ion:166 Resp: 334
Ion Ratio Lower Upper
166 100
165 92.5 81.1 121.7
167 18.9 10.8 16.2#



#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 16.984 min Scan# 1700
Delta R.T. 0.000 min
Lab File: BN037213.D
Acq: 10 Jun 2025 09:49

Tgt Ion:188 Resp: 4389
Ion Ratio Lower Upper
188 100
94 0.0 0.0 0.0
80 12.9 11.3 16.9

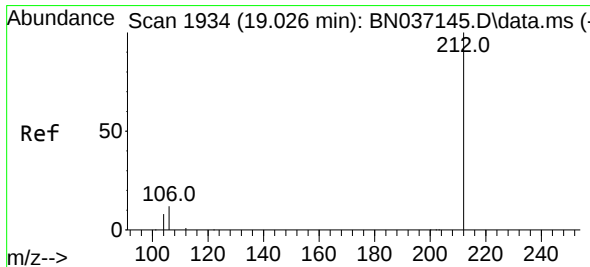
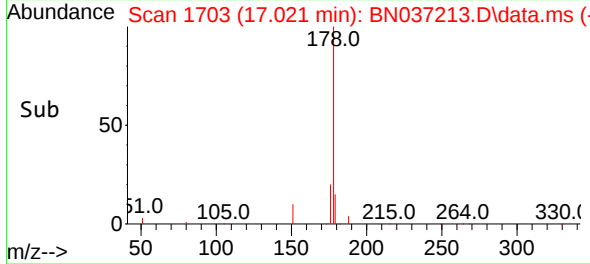
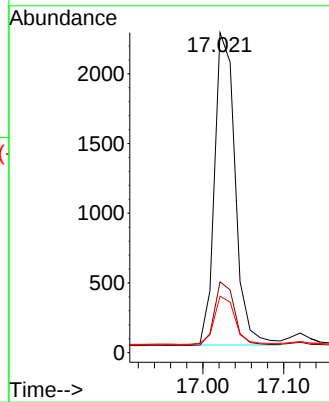
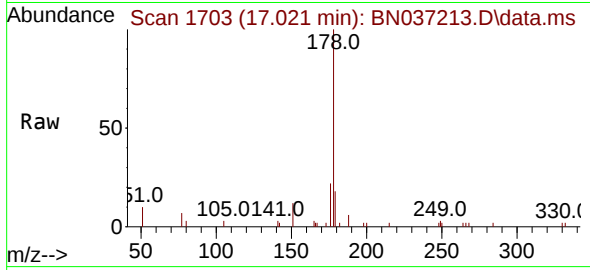




#25
Phenanthrene
Concen: 0.280 ng
RT: 17.021 min Scan# 1703
Delta R.T. -0.012 min
Lab File: BN037213.D
Acq: 10 Jun 2025 09:49

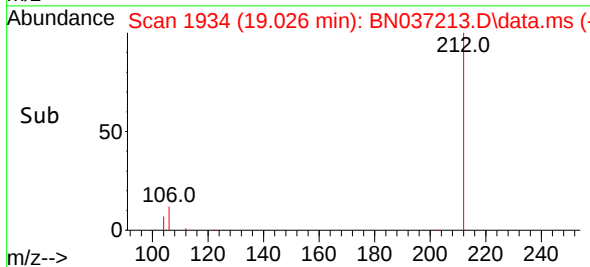
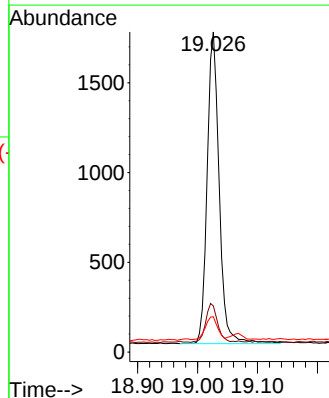
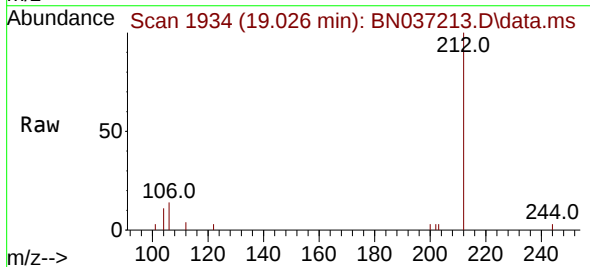
Instrument :
BNA_N
ClientSampleId :
MW-19B-72-060425DL

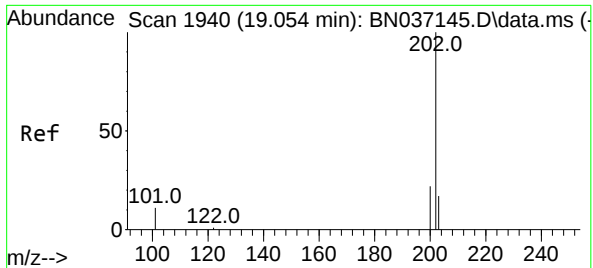
Tgt Ion:	178	Resp:	3983
Ion	Ratio	Lower	Upper
178	100		
176	19.9	15.7	23.5
179	15.6	12.3	18.5



#27
Fluoranthene-d10
Concen: 0.217 ng
RT: 19.026 min Scan# 1934
Delta R.T. -0.000 min
Lab File: BN037213.D
Acq: 10 Jun 2025 09:49

Tgt Ion:	212	Resp:	2415
Ion	Ratio	Lower	Upper
212	100		
106	12.3	10.6	15.8
104	7.5	6.6	9.8

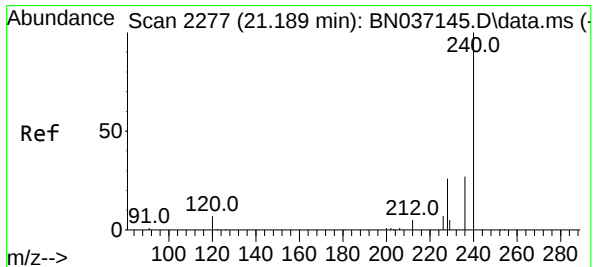
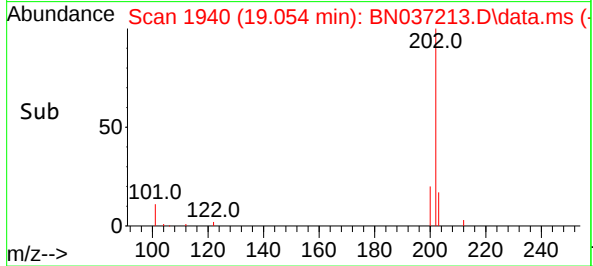
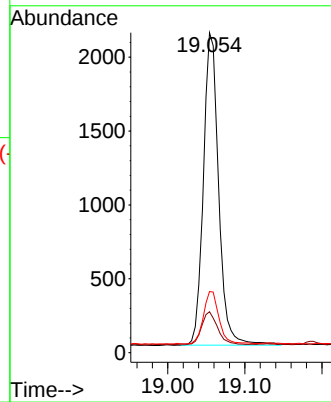
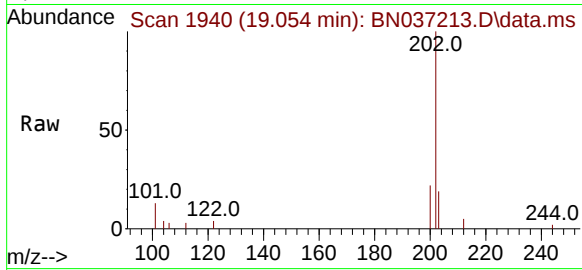




#28
Fluoranthene
Concen: 0.186 ng
RT: 19.054 min Scan# 1940
Delta R.T. 0.000 min
Lab File: BN037213.D
Acq: 10 Jun 2025 09:49

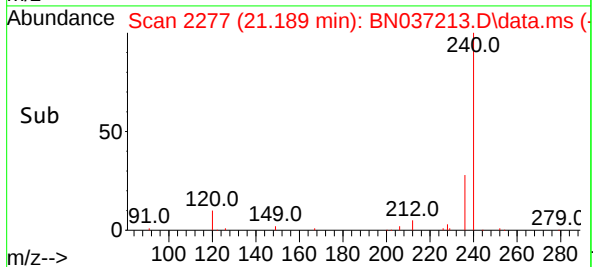
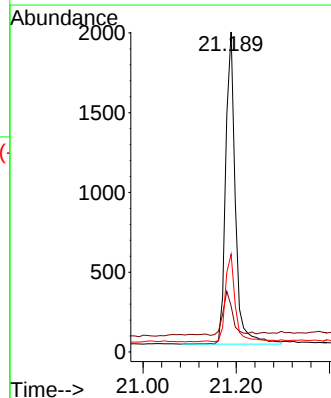
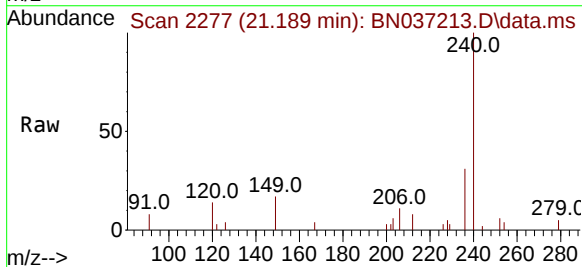
Instrument :
BNA_N
ClientSampleId :
MW-19B-72-060425DL

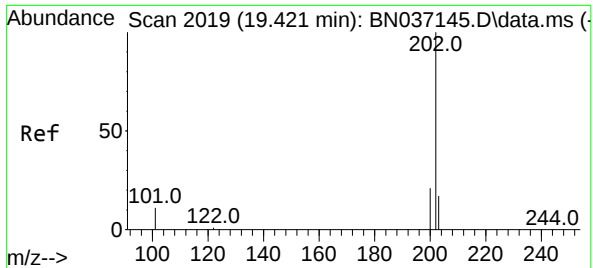
Tgt Ion:	202	Resp:	2915
Ion	Ratio	Lower	Upper
202	100		
101	10.9	8.7	13.1
203	17.3	13.5	20.3



#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.189 min Scan# 2277
Delta R.T. -0.000 min
Lab File: BN037213.D
Acq: 10 Jun 2025 09:49

Tgt Ion:	240	Resp:	2810
Ion	Ratio	Lower	Upper
240	100		
120	14.4	9.0	13.4#
236	30.6	23.0	34.4

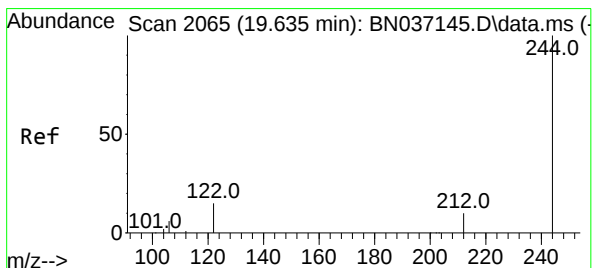
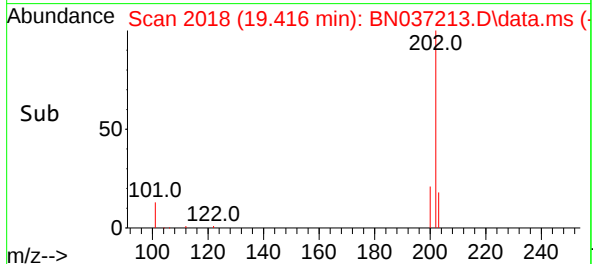
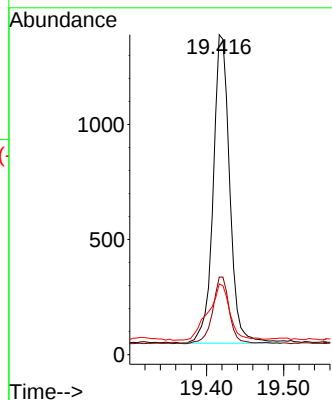
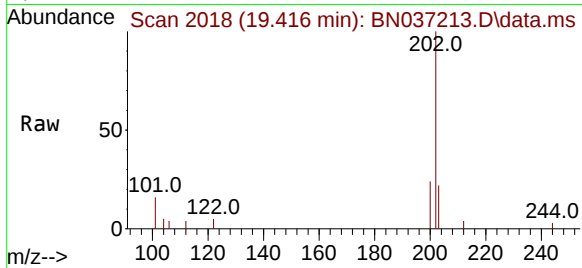




#30
Pyrene
Concen: 0.146 ng
RT: 19.416 min Scan# 2019
Delta R.T. -0.005 min
Lab File: BN037213.D
Acq: 10 Jun 2025 09:49

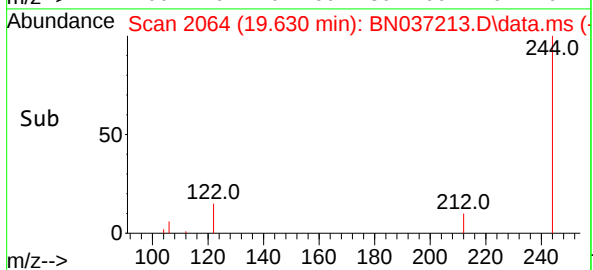
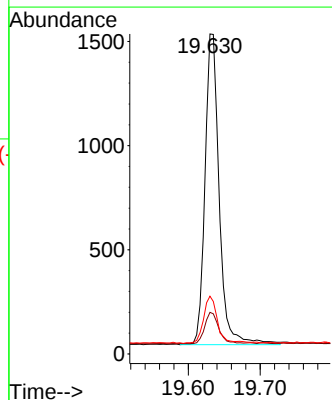
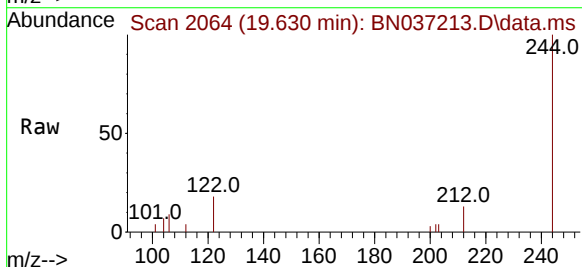
Instrument :
BNA_N
ClientSampleId :
MW-19B-72-060425DL

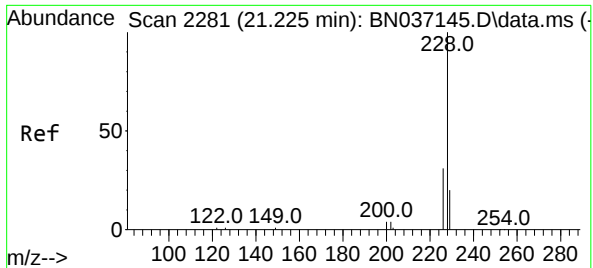
Tgt Ion	Ratio	Lower	Upper
202	100		
200	21.5	17.0	25.6
203	23.7	14.2	21.4



#31
Terphenyl-d14
Concen: 0.308 ng
RT: 19.630 min Scan# 2064
Delta R.T. -0.005 min
Lab File: BN037213.D
Acq: 10 Jun 2025 09:49

Tgt Ion	Ratio	Lower	Upper
244	100		
212	13.0	10.0	15.0
122	18.0	13.2	19.8

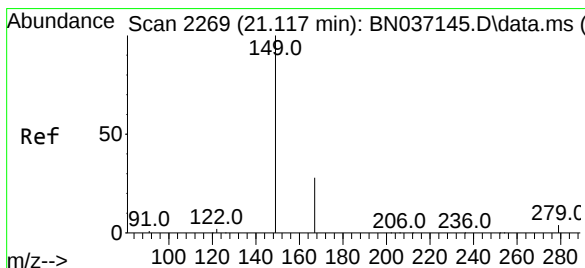
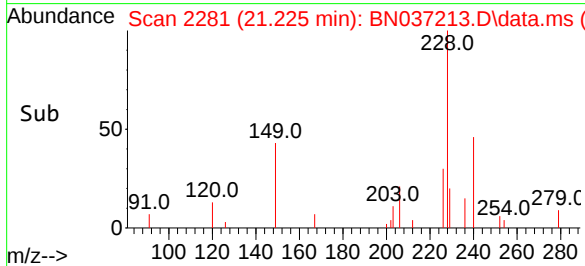
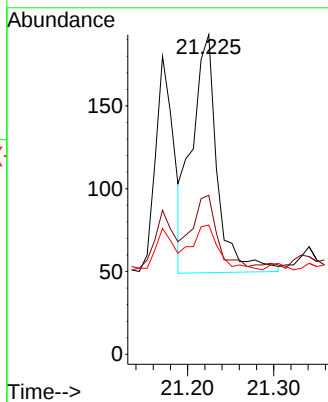
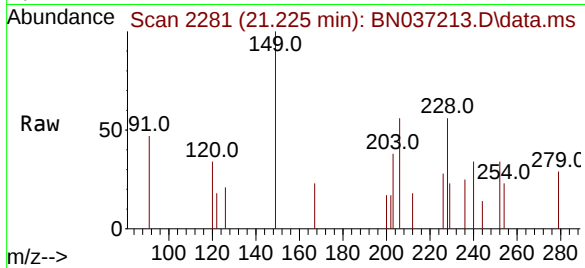




#33
Chrysene
Concen: 0.026 ng
RT: 21.225 min Scan# 211
Delta R.T. 0.000 min
Lab File: BN037213.D
Acq: 10 Jun 2025 09:49

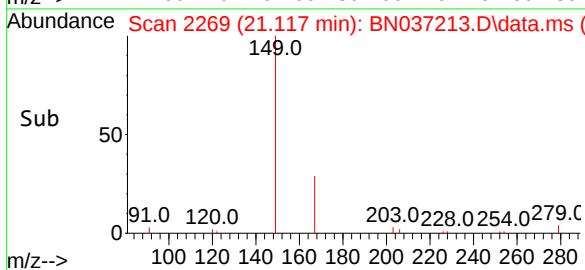
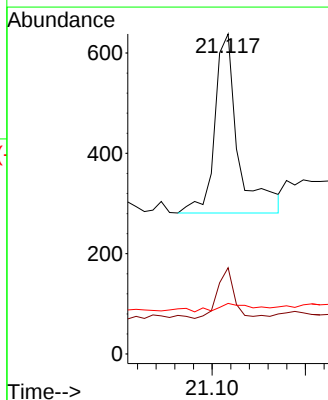
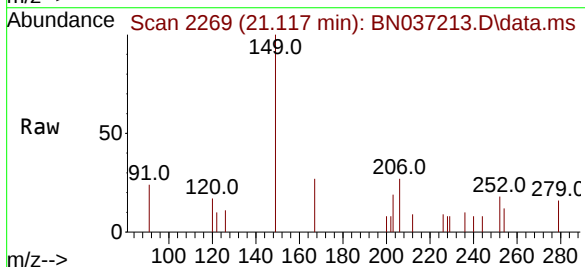
Instrument :
BNA_N
ClientSampleId :
MW-19B-72-060425DL

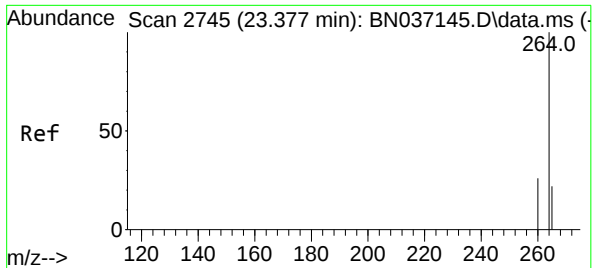
Tgt Ion	Ratio	Lower	Upper
228	100		
226	49.7	25.2	37.8#
229	40.4	16.8	25.2#



#34
Bis(2-ethylhexyl)phthalate
Concen: 0.097 ng
RT: 21.117 min Scan# 2269
Delta R.T. -0.000 min
Lab File: BN037213.D
Acq: 10 Jun 2025 09:49

Tgt Ion	Ratio	Lower	Upper
149	100		
167	20.0	21.0	31.4#
279	7.6	2.9	4.3#





#35

Perylene-d12

Concen: 0.400 ng

RT: 23.380 min Scan# 21

Delta R.T. 0.003 min

Lab File: BN037213.D

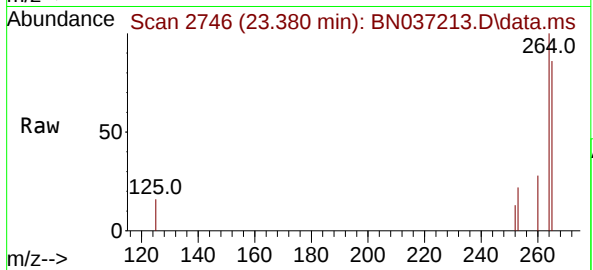
Acq: 10 Jun 2025 09:49

Instrument :

BNA_N

ClientSampleId :

MW-19B-72-060425DL



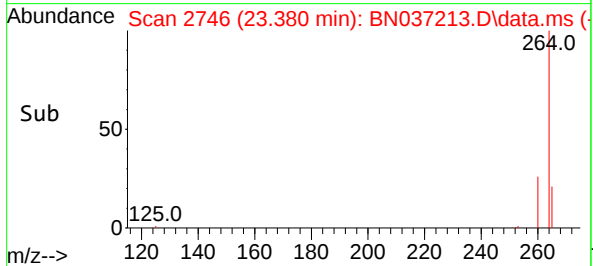
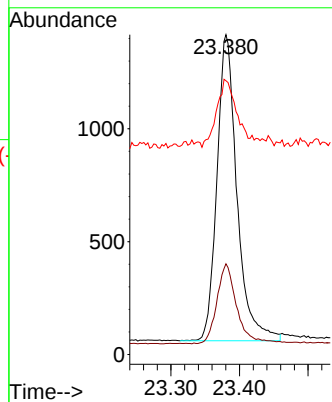
Tgt Ion:264 Resp: 2751

Ion Ratio Lower Upper

264 100

260 28.4 22.1 33.1

265 85.6 55.8 83.8#



Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN060925\
Data File : BN037190.D
Acq On : 09 Jun 2025 11:30
Operator : RC/JU
Sample : PB168336BL
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
PB168336BL

A
B
C
D
E
F
G
H
I
J
K

Quant Time: Jun 09 12:24:55 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN060325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jun 04 01:52:03 2025
Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.589	152	1816	0.400	ng	0.00
7) Naphthalene-d8	10.372	136	4227	0.400	ng	# 0.00
13) Acenaphthene-d10	14.245	164	2101	0.400	ng	0.01
19) Phenanthrene-d10	16.996	188	3500	0.400	ng	0.01
29) Chrysene-d12	21.189	240	2446	0.400	ng	# 0.00
35) Perylene-d12	23.386	264	2291	0.400	ng	# 0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.192	112	1866	0.416	ng	0.00
5) Phenol-d6	6.773	99	1994	0.366	ng	0.00
8) Nitrobenzene-d5	8.749	82	1646	0.369	ng	0.01
11) 2-Methylnaphthalene-d10	11.970	152	2143	0.364	ng	0.00
14) 2,4,6-Tribromophenol	15.755	330	207	0.245	ng	0.01
15) 2-Fluorobiphenyl	12.863	172	3619	0.404	ng	0.00
27) Fluoranthene-d10	19.026	212	3511	0.395	ng	0.00
31) Terphenyl-d14	19.635	244	2421	0.420	ng	0.00

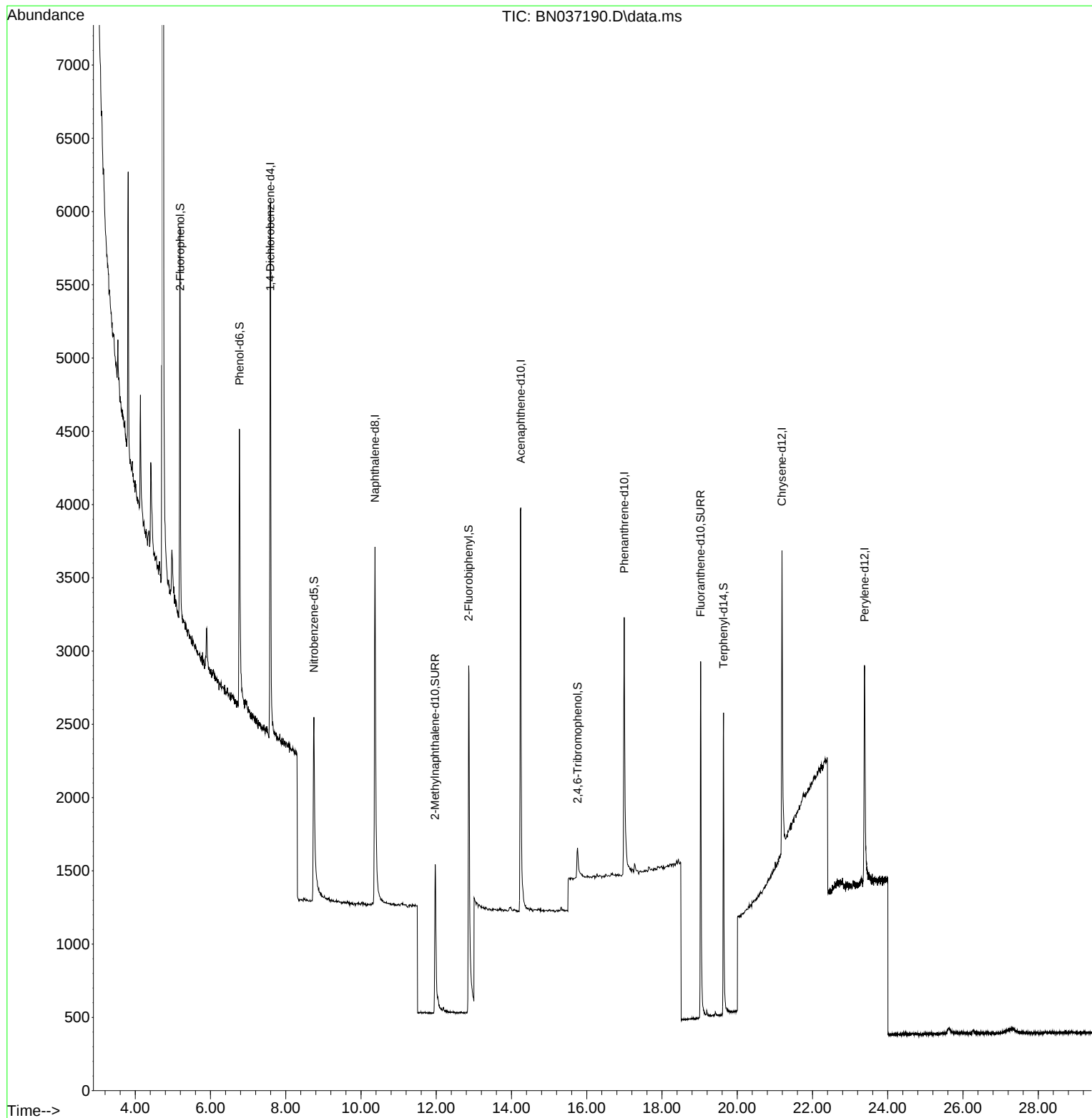
Target Compounds	Qvalue

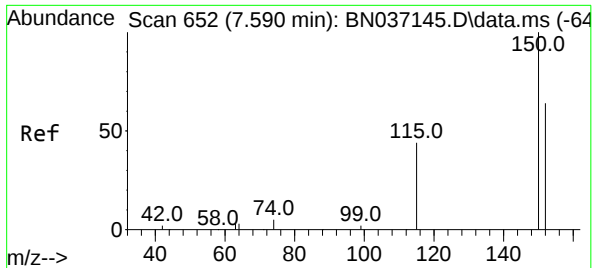
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN060925\
Data File : BN037190.D
Acq On : 09 Jun 2025 11:30
Operator : RC/JU
Sample : PB168336BL
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
PB168336BL

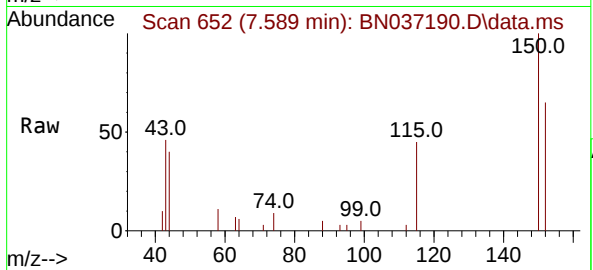
Quant Time: Jun 09 12:24:55 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN060325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jun 04 01:52:03 2025
Response via : Initial Calibration



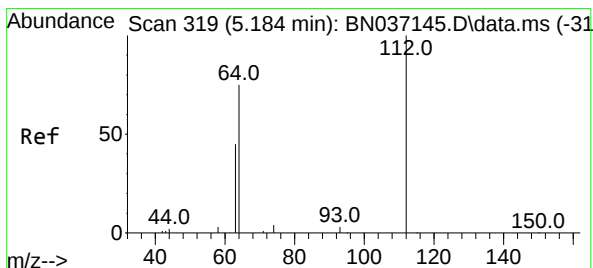
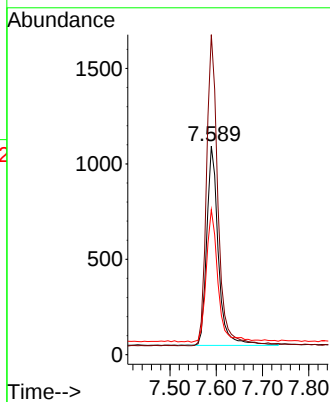
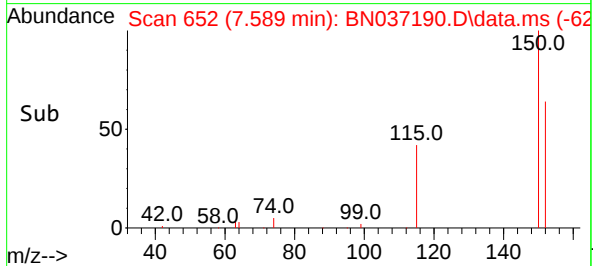


#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.589 min Scan# 61
Delta R.T. -0.001 min
Lab File: BN037190.D
Acq: 09 Jun 2025 11:30

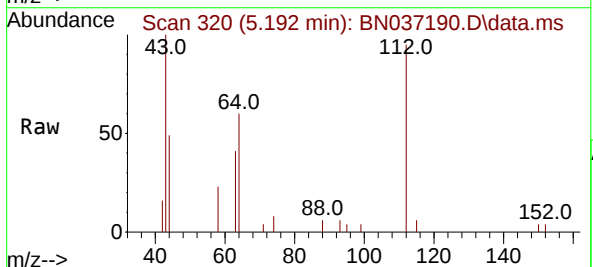
Instrument :
BNA_N
ClientSampleId :
PB168336BL



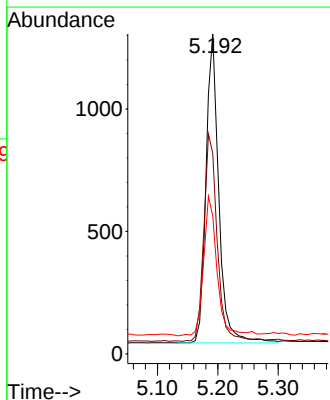
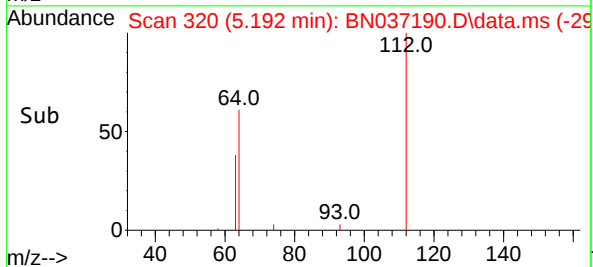
Tgt Ion:152 Resp: 1816
Ion Ratio Lower Upper
152 100
150 153.4 123.2 184.8
115 69.5 56.6 85.0

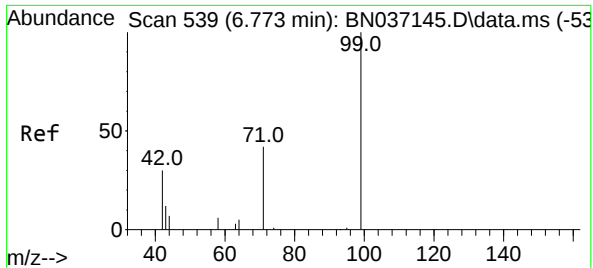


#4
2-Fluorophenol
Concen: 0.416 ng
RT: 5.192 min Scan# 320
Delta R.T. 0.007 min
Lab File: BN037190.D
Acq: 09 Jun 2025 11:30



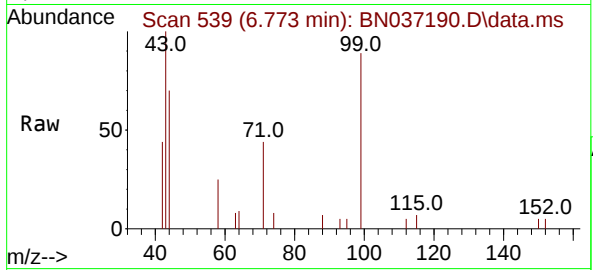
Tgt Ion:112 Resp: 1866
Ion Ratio Lower Upper
112 100
64 69.8 56.3 84.5
63 47.4 36.2 54.4



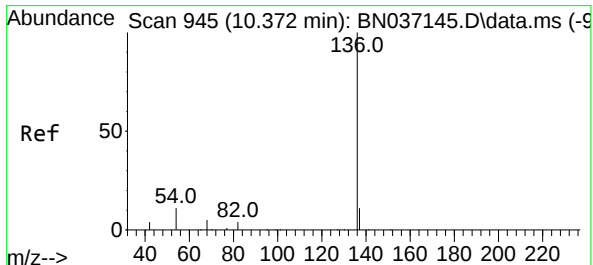
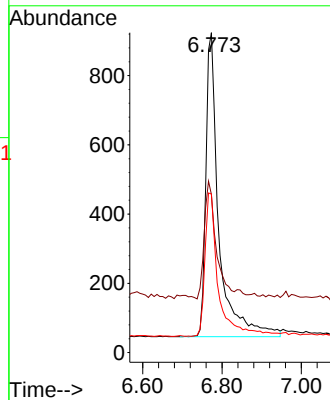
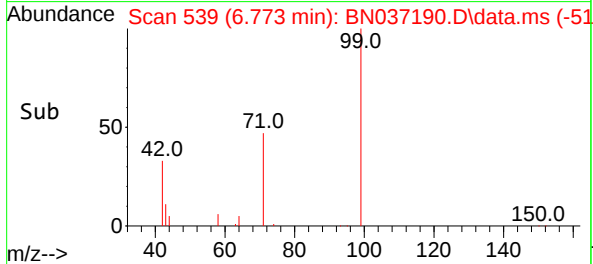


#5
Phenol-d6
Concen: 0.366 ng
RT: 6.773 min Scan# 51
Delta R.T. -0.000 min
Lab File: BN037190.D
Acq: 09 Jun 2025 11:30

Instrument :
BNA_N
ClientSampleId :
PB168336BL

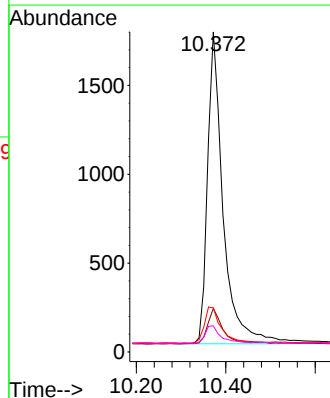
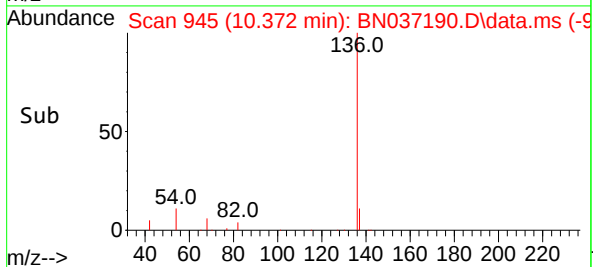
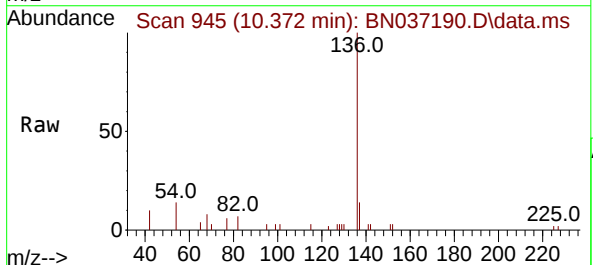


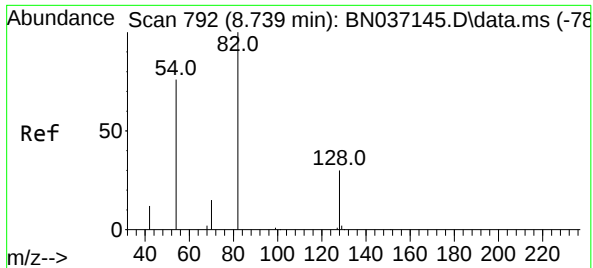
Tgt Ion:	99	Resp:	1994
Ion	Ratio	Lower	Upper
99	100		
42	34.5	31.3	46.9
71	48.8	38.2	57.2



#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.372 min Scan# 945
Delta R.T. -0.000 min
Lab File: BN037190.D
Acq: 09 Jun 2025 11:30

Tgt Ion:	136	Resp:	4227
Ion	Ratio	Lower	Upper
136	100		
137	13.6	9.7	14.5
54	13.8	9.7	14.5
68	8.2	5.4	8.2

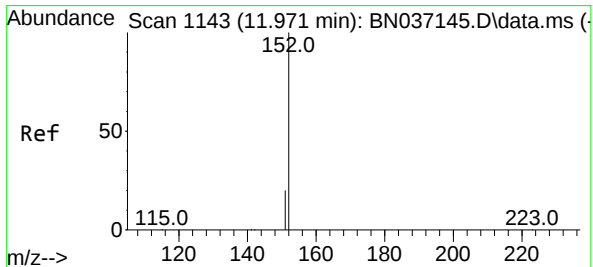
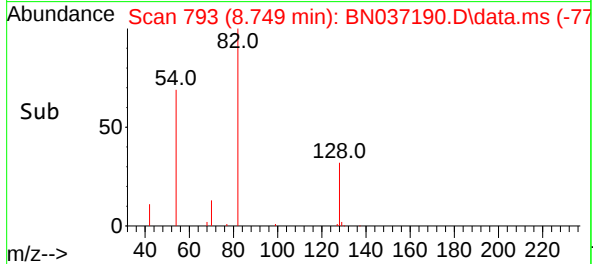
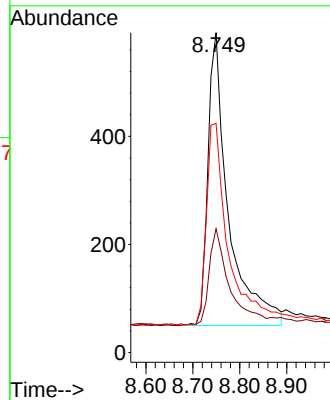
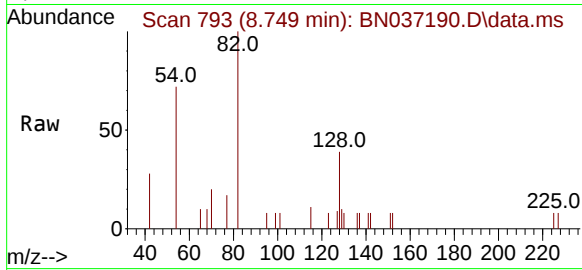




#8
Nitrobenzene-d5
Concen: 0.369 ng
RT: 8.749 min Scan# 792
Delta R.T. 0.011 min
Lab File: BN037190.D
Acq: 09 Jun 2025 11:30

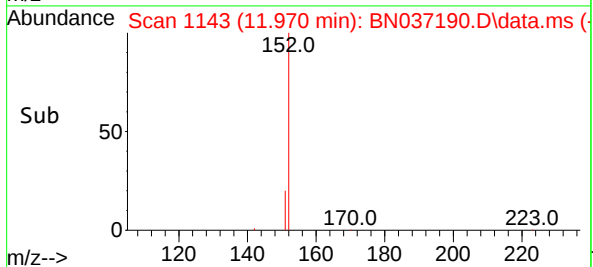
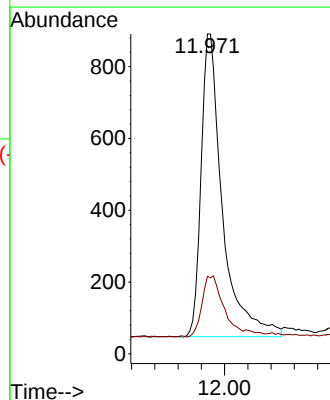
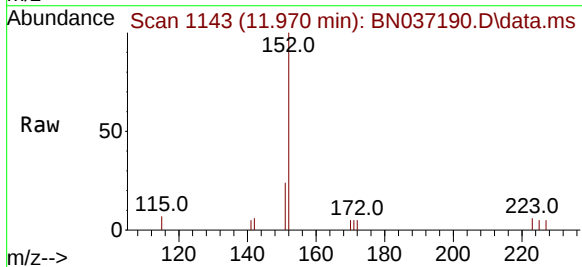
Instrument :
BNA_N
ClientSampleId :
PB168336BL

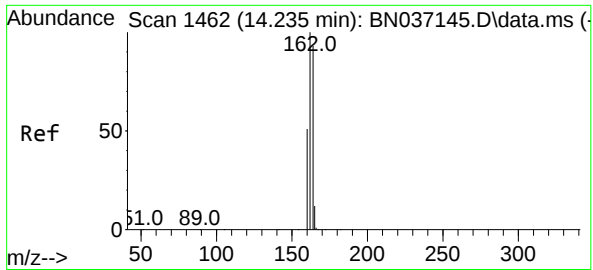
Tgt Ion: 82 Resp: 1646
Ion Ratio Lower Upper
82 100
128 38.7 26.9 40.3
54 71.6 61.4 92.2



#11
2-Methylnaphthalene-d10
Concen: 0.364 ng
RT: 11.970 min Scan# 1143
Delta R.T. -0.000 min
Lab File: BN037190.D
Acq: 09 Jun 2025 11:30

Tgt Ion: 152 Resp: 2143
Ion Ratio Lower Upper
152 100
151 21.8 17.1 25.7

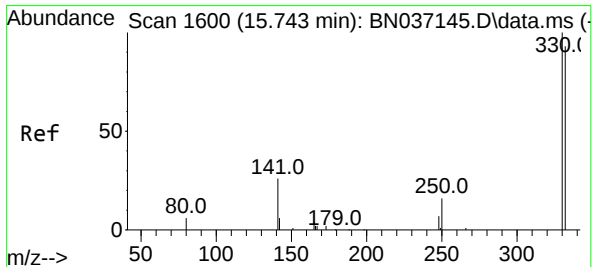
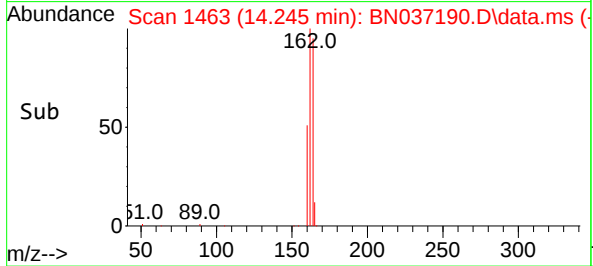
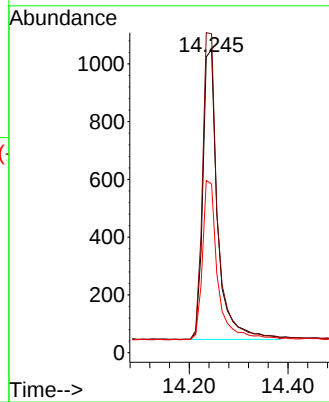
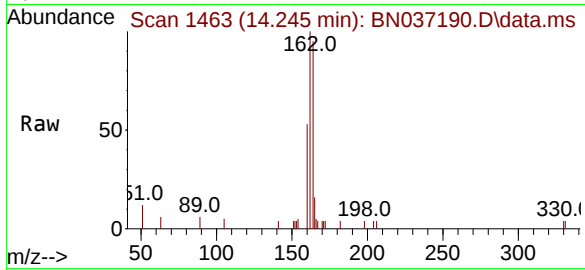




#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.245 min Scan# 1463
Delta R.T. 0.011 min
Lab File: BN037190.D
Acq: 09 Jun 2025 11:30

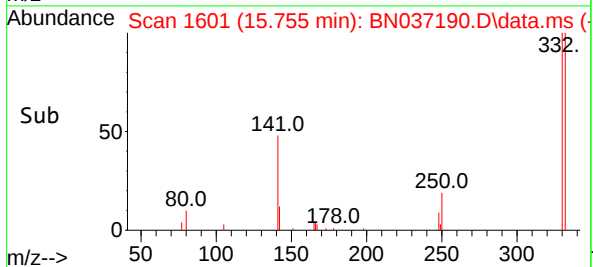
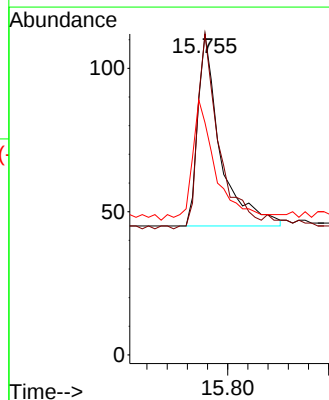
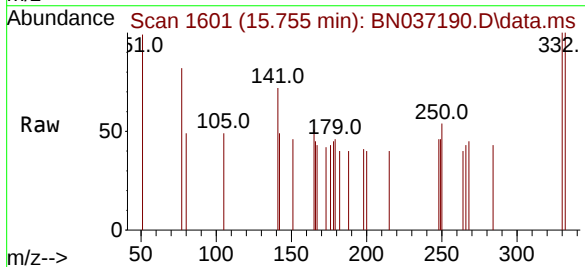
Instrument :
BNA_N
ClientSampleId :
PB168336BL

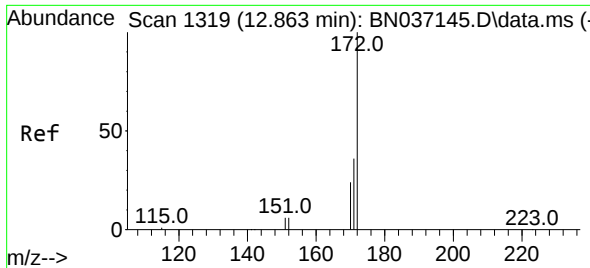
Tgt Ion:164 Resp: 2101
Ion Ratio Lower Upper
164 100
162 105.1 85.5 128.3
160 55.6 44.6 67.0



#14
2,4,6-Tribromophenol
Concen: 0.245 ng
RT: 15.755 min Scan# 1601
Delta R.T. 0.012 min
Lab File: BN037190.D
Acq: 09 Jun 2025 11:30

Tgt Ion:330 Resp: 207
Ion Ratio Lower Upper
330 100
332 98.1 77.1 115.7
141 66.7 46.4 69.6

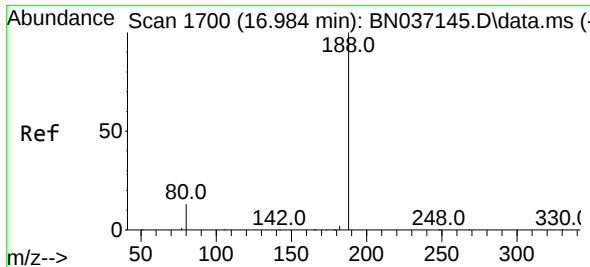
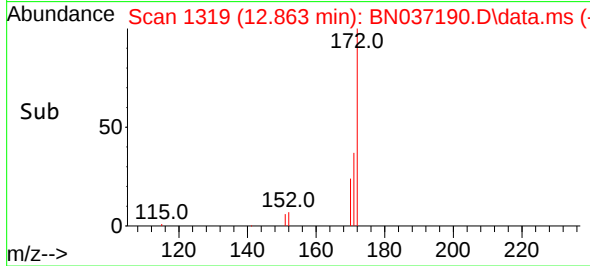
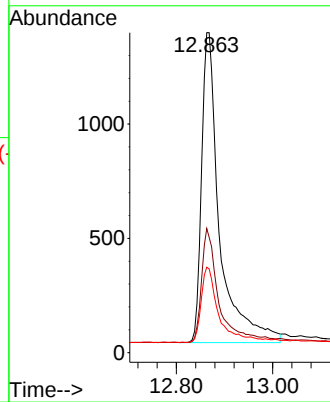
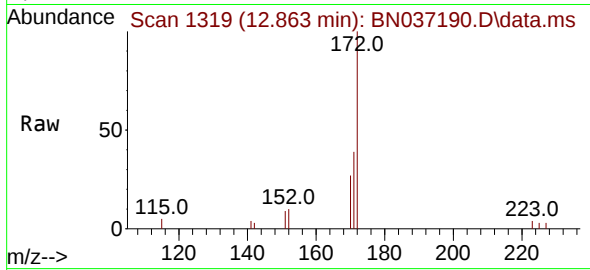




#15
2-Fluorobiphenyl
Concen: 0.404 ng
RT: 12.863 min Scan# 11
Delta R.T. -0.000 min
Lab File: BN037190.D
Acq: 09 Jun 2025 11:30

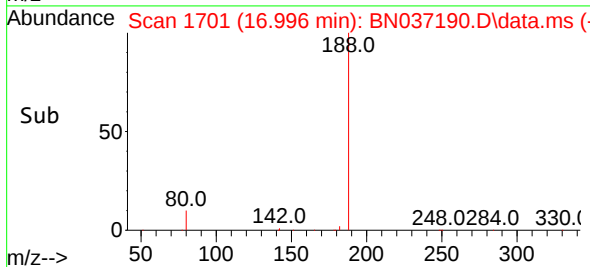
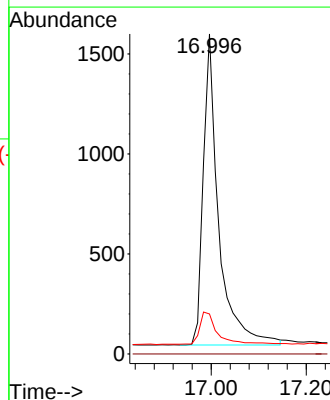
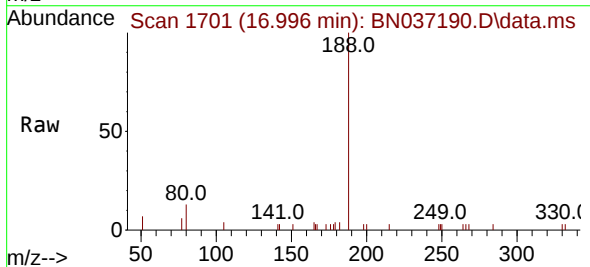
Instrument :
BNA_N
ClientSampleId :
PB168336BL

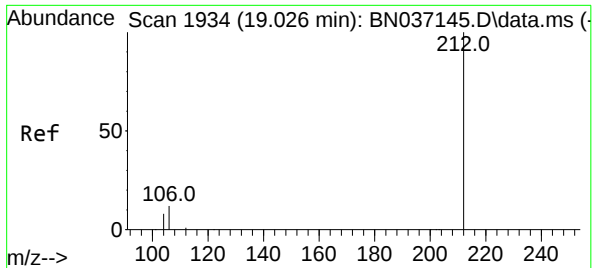
Tgt Ion:	172	Resp:	3619
Ion Ratio	Lower	Upper	
172	100		
171	38.8	29.6	44.4
170	26.7	20.3	30.5



#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 16.996 min Scan# 1701
Delta R.T. 0.012 min
Lab File: BN037190.D
Acq: 09 Jun 2025 11:30

Tgt Ion:	188	Resp:	3500
Ion Ratio	Lower	Upper	
188	100		
94	0.0	0.0	0.0
80	12.5	11.3	16.9





#27

Fluoranthene-d10

Concen: 0.395 ng

RT: 19.026 min Scan# 1934

Delta R.T. -0.000 min

Lab File: BN037190.D

Acq: 09 Jun 2025 11:30

Instrument :

BNA_N

ClientSampleId :

PB168336BL

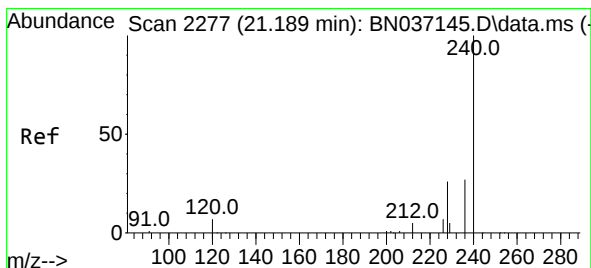
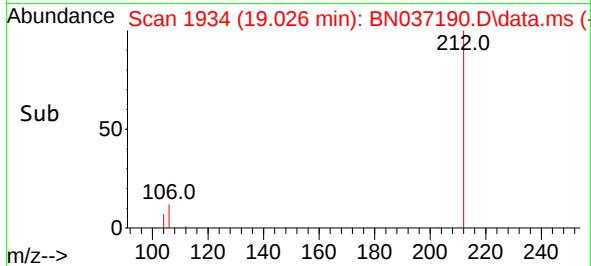
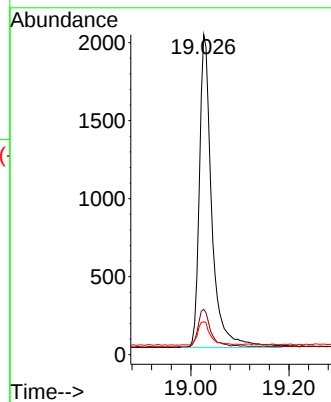
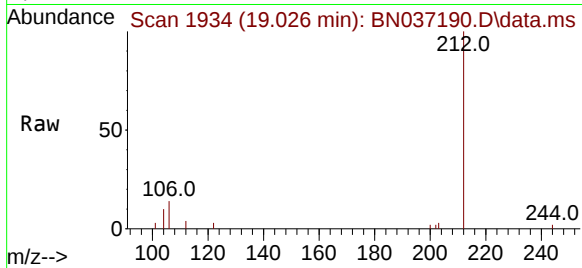
Tgt Ion:212 Resp: 3511

Ion Ratio Lower Upper

212 100

106 12.0 10.6 15.8

104 7.4 6.6 9.8



#29

Chrysene-d12

Concen: 0.400 ng

RT: 21.189 min Scan# 2277

Delta R.T. -0.000 min

Lab File: BN037190.D

Acq: 09 Jun 2025 11:30

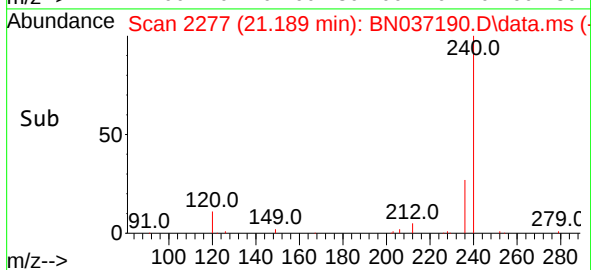
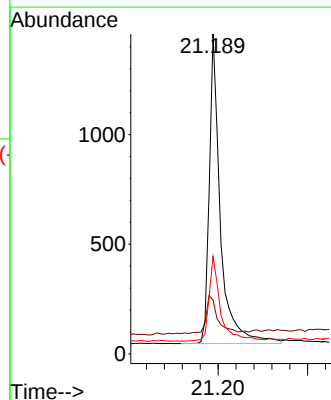
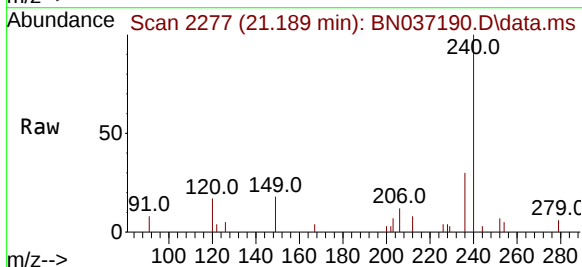
Tgt Ion:240 Resp: 2446

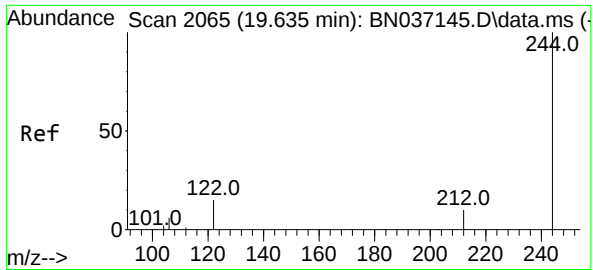
Ion Ratio Lower Upper

240 100

120 16.8 9.0 13.4

236 30.4 23.0 34.4

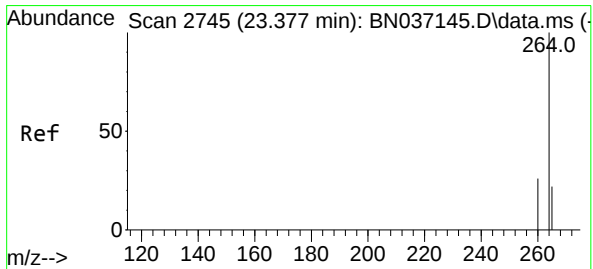
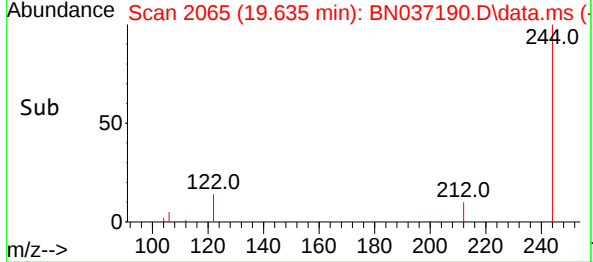
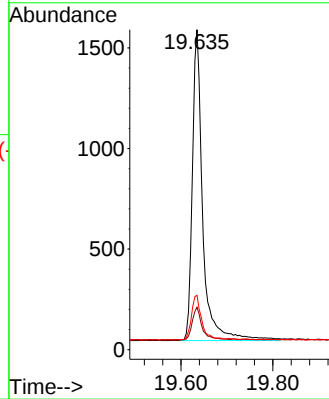
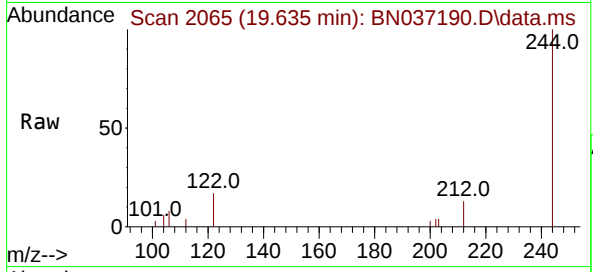




#31
Terphenyl-d14
Concen: 0.420 ng
RT: 19.635 min Scan# 2065
Delta R.T. -0.000 min
Lab File: BN037190.D
Acq: 09 Jun 2025 11:30

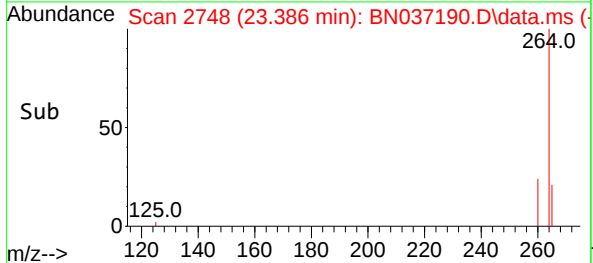
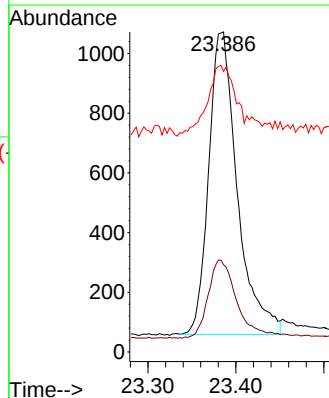
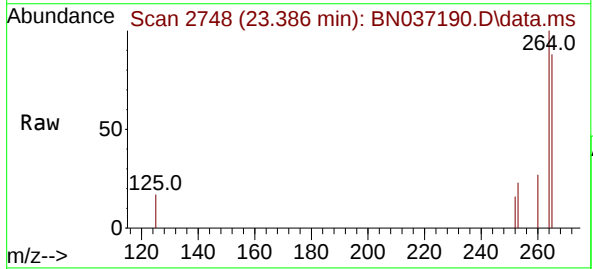
Instrument :
BNA_N
ClientSampleId :
PB168336BL

Tgt Ion:244 Resp: 2421
Ion Ratio Lower Upper
244 100
212 13.3 10.0 15.0
122 17.0 13.2 19.8



#35
Perylene-d12
Concen: 0.400 ng
RT: 23.386 min Scan# 2748
Delta R.T. 0.009 min
Lab File: BN037190.D
Acq: 09 Jun 2025 11:30

Tgt Ion:264 Resp: 2291
Ion Ratio Lower Upper
264 100
260 27.2 22.1 33.1
265 87.7 55.8 83.8#



Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN060925\
 Data File : BN037201.D
 Acq On : 09 Jun 2025 20:40
 Operator : RC/JU
 Sample : PB168336BS
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 PB168336BS

Quant Time: Jun 10 04:03:40 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN060325.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jun 04 01:52:03 2025
 Response via : Initial Calibration

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

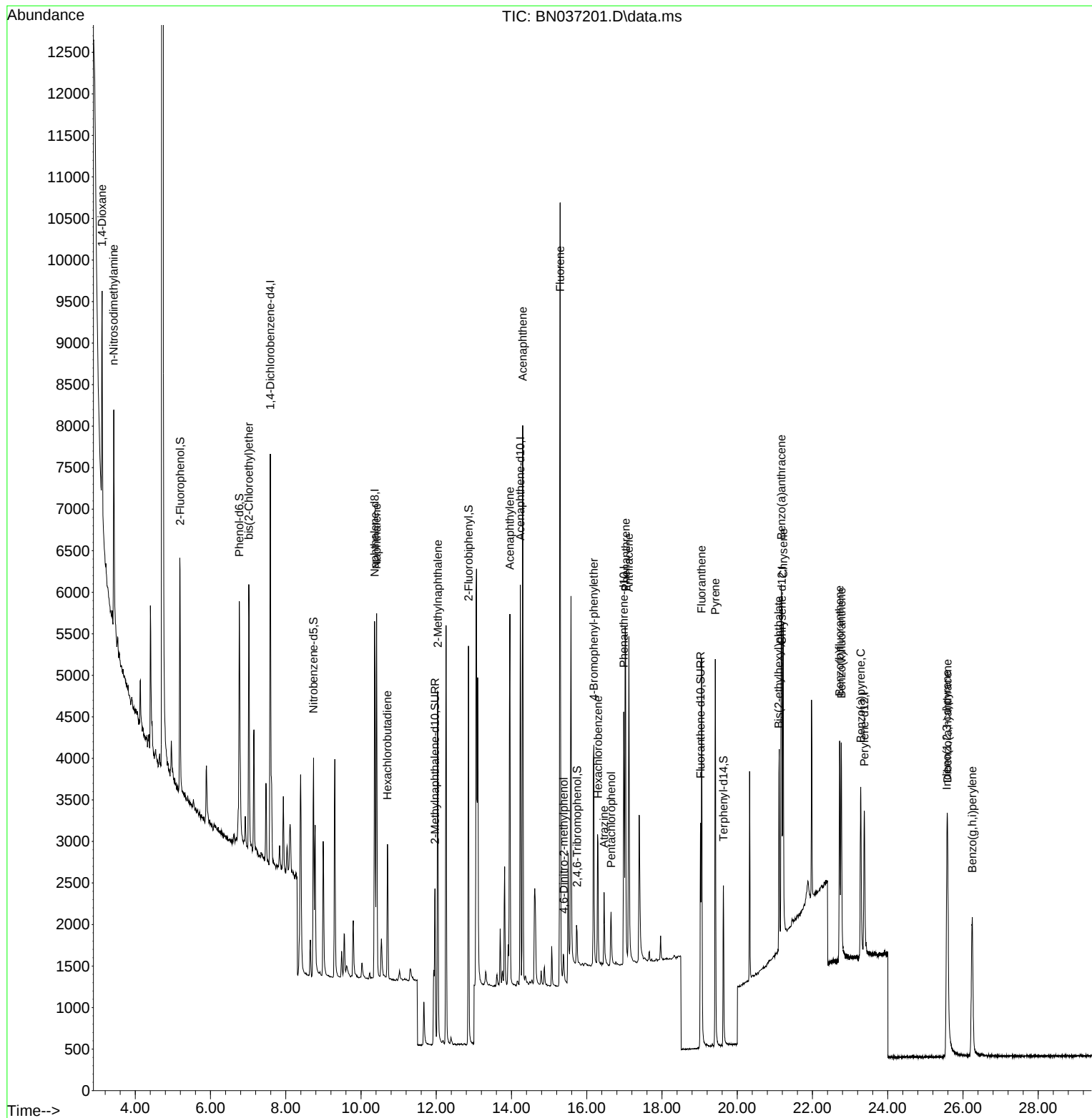
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.589	152	2227	0.400	ng	0.00
7) Naphthalene-d8	10.361	136	5466	0.400	ng	#-0.01
13) Acenaphthene-d10	14.234	164	2607	0.400	ng	0.00
19) Phenanthrene-d10	16.984	188	4253	0.400	ng	0.00
29) Chrysene-d12	21.188	240	2468	0.400	ng	# 0.00
35) Perylene-d12	23.377	264	2373	0.400	ng	# 0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.191	112	2001	0.363	ng	0.00
5) Phenol-d6	6.766	99	2345	0.351	ng	0.00
8) Nitrobenzene-d5	8.738	82	2065	0.358	ng	0.00
11) 2-Methylnaphthalene-d10	11.965	152	2755	0.362	ng	0.00
14) 2,4,6-Tribromophenol	15.742	330	307	0.292	ng	0.00
15) 2-Fluorobiphenyl	12.858	172	4234	0.381	ng	0.00
27) Fluoranthene-d10	19.026	212	3278	0.303	ng	0.00
31) Terphenyl-d14	19.634	244	2215	0.381	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.119	88	1196	0.403	ng	# 44
3) n-Nitrosodimethylamine	3.429	42	2277	0.382	ng	# 91
6) bis(2-Chloroethyl)ether	7.019	93	2167	0.340	ng	95
9) Naphthalene	10.415	128	5395	0.342	ng	100
10) Hexachlorobutadiene	10.703	225	1252	0.364	ng	# 97
12) 2-Methylnaphthalene	12.041	142	3113	0.308	ng	99
16) Acenaphthylene	13.956	152	4871	0.381	ng	100
17) Acenaphthene	14.298	154	2908	0.350	ng	100
18) Fluorene	15.293	166	3677	0.337	ng	100
20) 4,6-Dinitro-2-methylph...	15.389	198	337	0.545	ng	# 68
21) 4-Bromophenyl-phenylether	16.189	248	1073	0.385	ng	91
22) Hexachlorobenzene	16.301	284	1184	0.394	ng	98
23) Atrazine	16.462	200	810	0.352	ng	98
24) Pentachlorophenol	16.648	266	393	0.433	ng	98
25) Phenanthrene	17.033	178	4954	0.360	ng	100
26) Anthracene	17.120	178	4498	0.358	ng	98
28) Fluoranthene	19.054	202	4519	0.297	ng	100
30) Pyrene	19.416	202	4443	0.369	ng	99
32) Benzo(a)anthracene	21.170	228	3255	0.364	ng	98
33) Chrysene	21.224	228	3659	0.368	ng	99
34) Bis(2-ethylhexyl)phtha...	21.108	149	1974	0.350	ng	100
36) Indeno(1,2,3-cd)pyrene	25.573	276	4127	0.437	ng	98
37) Benzo(b)fluoranthene	22.722	252	3317	0.346	ng	92
38) Benzo(k)fluoranthene	22.766	252	3519	0.360	ng	94
39) Benzo(a)pyrene	23.283	252	3154	0.393	ng	94
40) Dibenzo(a,h)anthracene	25.590	278	3219	0.442	ng	96
41) Benzo(g,h,i)perylene	26.248	276	3529	0.422	ng	99

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

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN060925\
Data File : BN037201.D
Acq On : 09 Jun 2025 20:40
Operator : RC/JU
Sample : PB168336BS
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
PB168336BS

Quant Time: Jun 10 04:03:40 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN060325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jun 04 01:52:03 2025
Response via : Initial Calibration



Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN060925\
 Data File : BN037192.D
 Acq On : 09 Jun 2025 14:33
 Operator : RC/JU
 Sample : Q2250-02MS
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 MW-11A-13.5-060525MS

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 06/10/2025
 Supervised By :Jagrut Upadhyay 06/10/2025

Quant Time: Jun 09 15:40:46 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN060325.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jun 04 01:52:03 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.589	152	2144	0.400	ng	0.00
7) Naphthalene-d8	10.361	136	5670	0.400	ng	#-0.01
13) Acenaphthene-d10	14.234	164	2991	0.400	ng	0.00
19) Phenanthrene-d10	16.984	188	5389	0.400	ng	0.00
29) Chrysene-d12	21.188	240	3448	0.400	ng	0.00
35) Perylene-d12	23.380	264	3177	0.400	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.184	112	842	0.159	ng	0.00
5) Phenol-d6	6.766	99	649	0.101	ng	0.00
8) Nitrobenzene-d5	8.739	82	1888	0.316	ng	0.00
11) 2-Methylnaphthalene-d10	11.965	152	2380m	0.302	ng	0.00
14) 2,4,6-Tribromophenol	15.730	330	466	0.387	ng	-0.01
15) 2-Fluorobiphenyl	12.858	172	4371	0.343	ng	0.00
27) Fluoranthene-d10	19.026	212	5042	0.368	ng	0.00
31) Terphenyl-d14	19.630	244	3837	0.473	ng	0.00
Target Compounds						
2) 1,4-Dioxane	3.111	88	8692	3.041	ng	94
3) n-Nitrosodimethylamine	3.429	42	693	0.121	ng	# 80
6) bis(2-Chloroethyl)ether	7.019	93	2028	0.331	ng	96
9) Naphthalene	10.415	128	5151	0.315	ng	99
10) Hexachlorobutadiene	10.703	225	918	0.258	ng	# 100
12) 2-Methylnaphthalene	12.036	142	3206	0.306	ng	98
16) Acenaphthylene	13.956	152	5430	0.370	ng	100
17) Acenaphthene	14.299	154	3253	0.342	ng	99
18) Fluorene	15.293	166	4617	0.369	ng	98
20) 4,6-Dinitro-2-methylph...	15.378	198	513	0.599	ng	# 58
21) 4-Bromophenyl-phenylether	16.189	248	1414	0.400	ng	# 83
22) Hexachlorobenzene	16.301	284	1382	0.363	ng	99
23) Atrazine	16.462	200	1269	0.435	ng	# 91
24) Pentachlorophenol	16.636	266	1565	0.901	ng	98
25) Phenanthrene	17.021	178	7297	0.418	ng	99
26) Anthracene	17.120	178	6246	0.392	ng	98
28) Fluoranthene	19.054	202	7085	0.367	ng	# 97
30) Pyrene	19.416	202	7143	0.424	ng	99
32) Benzo(a)anthracene	21.171	228	5416	0.434	ng	99
33) Chrysene	21.224	228	5649	0.407	ng	100
34) Bis(2-ethylhexyl)phtha...	21.117	149	3531	0.448	ng	99
36) Indeno(1,2,3-cd)pyrene	25.576	276	5130	0.406	ng	99
37) Benzo(b)fluoranthene	22.725	252	4923m	0.384	ng	
38) Benzo(k)fluoranthene	22.766	252	4787	0.366	ng	94
39) Benzo(a)pyrene	23.284	252	4119	0.383	ng	93
40) Dibenzo(a,h)anthracene	25.590	278	4003	0.411	ng	100
41) Benzo(g,h,i)perylene	26.245	276	4218	0.377	ng	99

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

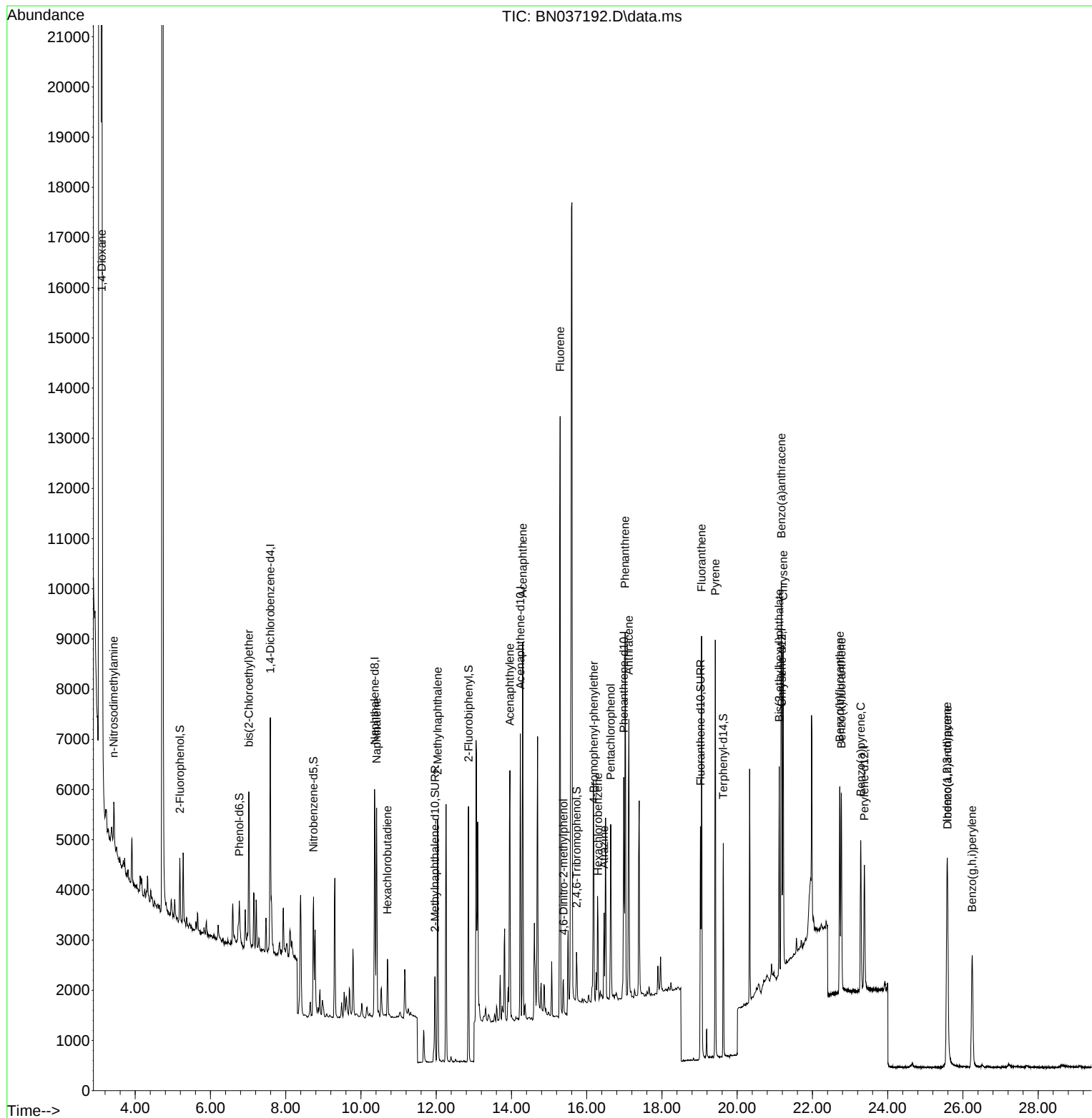
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN060925\
Data File : BN037192.D
Acq On : 09 Jun 2025 14:33
Operator : RC/JU
Sample : Q2250-02MS
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
MW-11A-13.5-060525MS

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 06/10/2025
Supervised By :Jagrut Upadhyay 06/10/2025

Quant Time: Jun 09 15:40:46 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN060325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jun 04 01:52:03 2025
Response via : Initial Calibration



Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN060925\
 Data File : BN037193.D
 Acq On : 09 Jun 2025 15:47
 Operator : RC/JU
 Sample : Q2250-03MSD
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 MW-11A-13.5-060525MSD

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 06/10/2025
 Supervised By :Jagrut Upadhyay 06/10/2025

Quant Time: Jun 09 16:53:21 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN060325.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jun 04 01:52:03 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.590	152	2169	0.400	ng	0.00
7) Naphthalene-d8	10.362	136	5646	0.400	ng	#-0.01
13) Acenaphthene-d10	14.235	164	2926	0.400	ng	0.00
19) Phenanthrene-d10	16.984	188	5139	0.400	ng	0.00
29) Chrysene-d12	21.180	240	3419	0.400	ng	# 0.00
35) Perylene-d12	23.374	264	3336	0.400	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.185	112	842	0.157	ng	0.00
5) Phenol-d6	6.773	99	692	0.106	ng	0.00
8) Nitrobenzene-d5	8.739	82	1894	0.318	ng	0.00
11) 2-Methylnaphthalene-d10	11.966	152	2373m	0.302	ng	0.00
14) 2,4,6-Tribromophenol	15.730	330	451	0.383	ng	-0.01
15) 2-Fluorobiphenyl	12.858	172	4311	0.346	ng	0.00
27) Fluoranthene-d10	19.022	212	4775	0.366	ng	0.00
31) Terphenyl-d14	19.630	244	3637	0.452	ng	0.00
Target Compounds						
2) 1,4-Dioxane	3.112	88	9354	3.235	ng	95
3) n-Nitrosodimethylamine	3.430	42	740	0.127	ng	# 83
6) bis(2-Chloroethyl)ether	7.019	93	2082	0.336	ng	97
9) Naphthalene	10.415	128	5110	0.314	ng	98
10) Hexachlorobutadiene	10.703	225	906	0.255	ng	# 98
12) 2-Methylnaphthalene	12.037	142	3210	0.307	ng	98
16) Acenaphthylene	13.957	152	5333	0.372	ng	100
17) Acenaphthene	14.299	154	3131	0.336	ng	99
18) Fluorene	15.293	166	4472	0.365	ng	98
20) 4,6-Dinitro-2-methylph...	15.379	198	471	0.587	ng	# 63
21) 4-Bromophenyl-phenylether	16.190	248	1330	0.395	ng	# 79
22) Hexachlorobenzene	16.301	284	1342	0.369	ng	98
23) Atrazine	16.463	200	1184	0.426	ng	# 93
24) Pentachlorophenol	16.636	266	1464	0.888	ng	98
25) Phenanthrene	17.021	178	6930	0.416	ng	99
26) Anthracene	17.120	178	5874	0.387	ng	98
28) Fluoranthene	19.054	202	6813	0.370	ng	# 97
30) Pyrene	19.417	202	6824	0.409	ng	100
32) Benzo(a)anthracene	21.171	228	5337	0.431	ng	100
33) Chrysene	21.216	228	5681	0.412	ng	98
34) Bis(2-ethylhexyl)phtha...	21.108	149	3448	0.442	ng	100
36) Indeno(1,2,3-cd)pyrene	25.573	276	5422	0.409	ng	99
37) Benzo(b)fluoranthene	22.720	252	5075m	0.377	ng	
38) Benzo(k)fluoranthene	22.761	252	5262	0.383	ng	95
39) Benzo(a)pyrene	23.281	252	4286	0.380	ng	# 88
40) Dibenzo(a,h)anthracene	25.585	278	4235	0.414	ng	99
41) Benzo(g,h,i)perylene	26.240	276	4499	0.383	ng	97

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

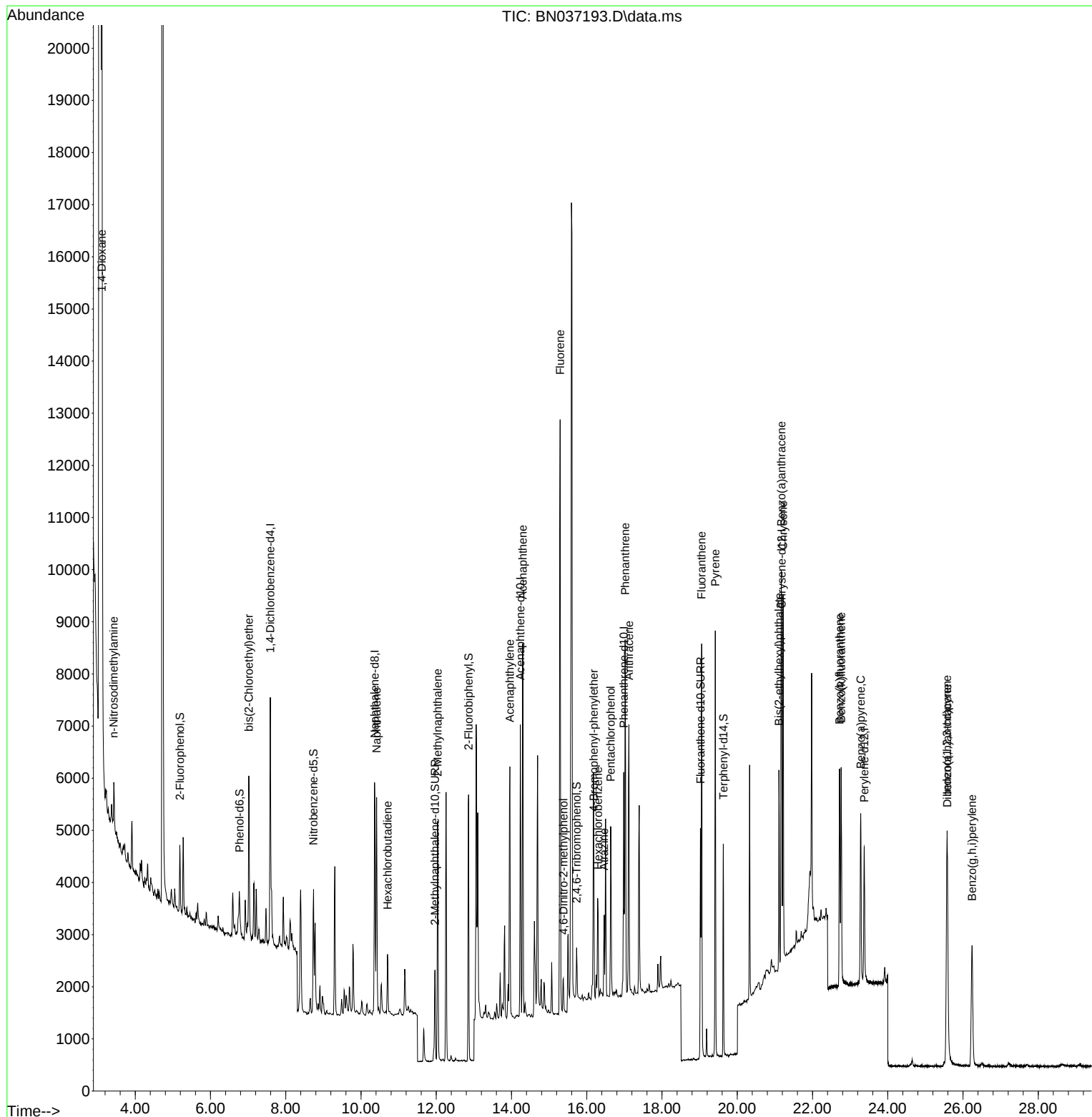
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN060925\
Data File : BN037193.D
Acq On : 09 Jun 2025 15:47
Operator : RC/JU
Sample : Q2250-03MSD
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
MW-11A-13.5-060525MSD

Quant Time: Jun 09 16:53:21 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN060325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jun 04 01:52:03 2025
Response via : Initial Calibration

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 06/10/2025
Supervised By :Jagrut Upadhyay 06/10/2025





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

Manual Integration Report

Sequence:

BN060325

Instrument

BNA_n

Sample ID

File ID

Parameter

Review By

Review On

Supervised
By

Supervised On

Reason

Manual Integration Report

Sequence:	BN060925	Instrument	BNA_n
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Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
Q2250-02MS	BN037192.D	2-Methylnaphthalene-d10	Rahul	6/10/2025 11:44:39 AM	Jagrut	6/10/2025 1:37:49 PM	Peak Integrated by Software
Q2250-02MS	BN037192.D	Benzo(b)fluoranthene	Rahul	6/10/2025 11:44:39 AM	Jagrut	6/10/2025 1:37:49 PM	Peak Integrated by Software
Q2250-03MSD	BN037193.D	2-Methylnaphthalene-d10	Rahul	6/10/2025 11:44:42 AM	Jagrut	6/10/2025 1:37:52 PM	Peak Integrated by Software
Q2250-03MSD	BN037193.D	Benzo(b)fluoranthene	Rahul	6/10/2025 11:44:42 AM	Jagrut	6/10/2025 1:37:52 PM	Peak Integrated by Software

Instrument ID: **BNA_N**

Daily Analysis Runlog For Sequence/QC Batch ID # BN060325

Review By	Rahul	Review On	6/4/2025 11:44:25 AM
Supervise By	Jagrut	Supervise On	6/5/2025 10:56:16 AM
SubDirectory	BN060325	HP Acquire Method	BNA_N, 8270_SiM HP Processing Method bn060325
STD. NAME	STD REF.#		
Tune/Reschk	SP6757		
Initial Calibration Stds	SP6781,SP6780,SP6779,SP6778,SP6777,SP6776,SP6775		
CCC	SP6779		
Internal Standard/PEM	SP6740,1ul/100ul sample		
ICV/I.BLK	SP6768		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	DFTPP	BN037142.D	03 Jun 2025 10:21	RC/JU	Ok
2	SSTDIC0.1	BN037143.D	03 Jun 2025 11:39	RC/JU	Ok
3	SSTDIC0.2	BN037144.D	03 Jun 2025 12:15	RC/JU	Ok
4	SSTDIC0.4	BN037145.D	03 Jun 2025 12:51	RC/JU	Ok
5	SSTDIC0.8	BN037146.D	03 Jun 2025 13:26	RC/JU	Ok
6	SSTDIC1.6	BN037147.D	03 Jun 2025 14:02	RC/JU	Ok
7	SSTDIC3.2	BN037148.D	03 Jun 2025 14:38	RC/JU	Ok
8	SSTDIC5.0	BN037149.D	03 Jun 2025 15:14	RC/JU	Ok
9	SSTDICV0.4	BN037150.D	03 Jun 2025 15:53	RC/JU	Ok
10	PB168238BL	BN037151.D	03 Jun 2025 17:05	RC/JU	Not Ok
11	Q2181-01	BN037152.D	03 Jun 2025 17:41	RC/JU	Dilution
12	Q2181-01DL	BN037153.D	03 Jun 2025 18:18	RC/JU	Ok
13	SSTDIC0.4	BN037154.D	03 Jun 2025 18:54	RC/JU	Ok
14	DFTPP	BN037155.D	03 Jun 2025 20:10	RC/JU	Ok
15	SSTDIC0.4	BN037156.D	03 Jun 2025 20:49	RC/JU	Ok
16	PB168238BL	BN037157.D	03 Jun 2025 21:25	RC/JU	Not Ok
17	Q2162-03	BN037158.D	03 Jun 2025 22:01	RC/JU	Ok
18	Q2162-07	BN037159.D	03 Jun 2025 22:37	RC/JU	Ok
19	Q2162-09	BN037160.D	03 Jun 2025 23:13	RC/JU	Ok
20	Q2162-10	BN037161.D	03 Jun 2025 23:49	RC/JU	Ok
21	PB168238BS	BN037162.D	04 Jun 2025 00:25	RC/JU	Not Ok

Instrument ID: **BNA_N**

Daily Analysis Runlog For Sequence/QC Batch ID # BN060325

Review By	Rahul	Review On	6/4/2025 11:44:25 AM
Supervise By	Jagrut	Supervise On	6/5/2025 10:56:16 AM
SubDirectory	BN060325	HP Acquire Method	BNA_N, 8270_SiM HP Processing Method bn060325
STD. NAME	STD REF.#		
Tune/Reschk	SP6757		
Initial Calibration Stds	SP6781,SP6780,SP6779,SP6778,SP6777,SP6776,SP6775		
CCC	SP6779		
Internal Standard/PEM	SP6740,1ul/100ul sample		
ICV/I.BLK	SP6768		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

22	PB168238BSD	BN037163.D	04 Jun 2025 01:01	RC/JU	Not Ok
23	SSTDCCC0.4	BN037164.D	04 Jun 2025 02:13	RC/JU	Ok

M : Manual Integration

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Instrument ID: **BNA_N**

Daily Analysis Runlog For Sequence/QC Batch ID # BN060925

Review By	Rahul	Review On	6/10/2025 11:45:37 AM
Supervise By	Jagrut	Supervise On	6/10/2025 1:38:10 PM
SubDirectory	BN060925	HP Acquire Method	BNA_N, 8270_SiM HP Processing Method bn060325
STD. NAME	STD REF.#		
Tune/Reschk	SP6757		
Initial Calibration Stds	SP6781,SP6780,SP6779,SP6778,SP6777,SP6776,SP6775		
CCC	SP6779		
Internal Standard/PEM	SP6740,1ul/100ul sample		
ICV/I.BLK	SP6768		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	DFTPP	BN037188.D	09 Jun 2025 10:15	RC/JU	Ok
2	SSTDCCC0.4	BN037189.D	09 Jun 2025 10:54	RC/JU	Ok
3	PB168336BL	BN037190.D	09 Jun 2025 11:30	RC/JU	Ok
4	Q2250-01	BN037191.D	09 Jun 2025 12:06	RC/JU	Ok
5	Q2250-02MS	BN037192.D	09 Jun 2025 14:33	RC/JU	Ok,M
6	Q2250-03MSD	BN037193.D	09 Jun 2025 15:47	RC/JU	Ok,M
7	Q2251-03	BN037194.D	09 Jun 2025 16:26	RC/JU	Ok
8	Q2251-05	BN037195.D	09 Jun 2025 17:02	RC/JU	Ok
9	Q2251-06	BN037196.D	09 Jun 2025 17:39	RC/JU	Ok
10	Q2253-01	BN037197.D	09 Jun 2025 18:15	RC/JU	Ok
11	Q2253-02	BN037198.D	09 Jun 2025 18:51	RC/JU	Ok
12	Q2250-05	BN037199.D	09 Jun 2025 19:27	RC/JU	Ok
13	Q2254-01	BN037200.D	09 Jun 2025 20:04	RC/JU	Ok
14	PB168336BS	BN037201.D	09 Jun 2025 20:40	RC/JU	Ok
15	SSTDCCC0.4	BN037202.D	09 Jun 2025 21:16	RC/JU	Ok
16	DFTPP	BN037203.D	09 Jun 2025 22:32	RC/JU	Ok
17	SSTDCCC0.4	BN037204.D	09 Jun 2025 23:11	RC/JU	Ok
18	PB168336BL	BN037205.D	09 Jun 2025 23:48	RC/JU	Not Ok
19	Q2234-01	BN037206.D	10 Jun 2025 00:24	RC/JU	Ok
20	Q2234-05	BN037207.D	10 Jun 2025 01:00	RC/JU	Ok
21	Q2234-06	BN037208.D	10 Jun 2025 01:36	RC/JU	Ok

Instrument ID: **BNA_N**

Daily Analysis Runlog For Sequence/QC Batch ID # BN060925

Review By	Rahul	Review On	6/10/2025 11:45:37 AM
Supervise By	Jagrut	Supervise On	6/10/2025 1:38:10 PM
SubDirectory	BN060925	HP Acquire Method	BNA_N, 8270_SiM HP Processing Method bn060325
STD. NAME	STD REF.#		
Tune/Reschk	SP6757		
Initial Calibration Stds	SP6781,SP6780,SP6779,SP6778,SP6777,SP6776,SP6775		
CCC	SP6779		
Internal Standard/PEM	SP6740,1ul/100ul sample		
ICV/I.BLK	SP6768		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

22	Q2234-07	BN037209.D	10 Jun 2025 02:12	RC/JU	Dilution
23	Q2250-04	BN037210.D	10 Jun 2025 02:49	RC/JU	Ok
24	Q2209-01	BN037211.D	10 Jun 2025 03:25	RC/JU	Ok
25	Q2210-01	BN037212.D	10 Jun 2025 04:01	RC/JU	Ok
26	Q2234-07DL	BN037213.D	10 Jun 2025 09:49	RC/JU	Ok
27	SSTDCCC0.4	BN037214.D	10 Jun 2025 10:25	RC/JU	Ok

M : Manual Integration

Instrument ID: BNA_N

Daily Analysis Runlog For Sequence/QC Batch ID # BN060325

Review By	Rahul	Review On	6/4/2025 11:44:25 AM
Supervise By	Jagrut	Supervise On	6/5/2025 10:56:16 AM
SubDirectory	BN060325	HP Acquire Method	BNA_N, 8270_HP Processing Method bn060325

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

Sr#	SampleID	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	DFTPP	DFTPP	BN037142.D	03 Jun 2025 10:21		RC/JU	Ok
2	SSTDICC0.1	SSTDICC0.1	BN037143.D	03 Jun 2025 11:39	Compound #20,24 removed from 0.1 PPM	RC/JU	Ok
3	SSTDICC0.2	SSTDICC0.2	BN037144.D	03 Jun 2025 12:15		RC/JU	Ok
4	SSTDICCC0.4	SSTDICCC0.4	BN037145.D	03 Jun 2025 12:51	Compound #20,24 kept on LR.	RC/JU	Ok
5	SSTDICC0.8	SSTDICC0.8	BN037146.D	03 Jun 2025 13:26		RC/JU	Ok
6	SSTDICC1.6	SSTDICC1.6	BN037147.D	03 Jun 2025 14:02		RC/JU	Ok
7	SSTDICC3.2	SSTDICC3.2	BN037148.D	03 Jun 2025 14:38	Method is good for DOD and NONDOD.	RC/JU	Ok
8	SSTDICC5.0	SSTDICC5.0	BN037149.D	03 Jun 2025 15:14		RC/JU	Ok
9	SSTDICV0.4	ICVBN060325	BN037150.D	03 Jun 2025 15:53		RC/JU	Ok
10	PB168238BL	PB168238BL	BN037151.D	03 Jun 2025 17:05	Not Used	RC/JU	Not Ok
11	Q2181-01	38072-062624	BN037152.D	03 Jun 2025 17:41	Need 50X Dilution	RC/JU	Dilution
12	Q2181-01DL	38072-062624DL	BN037153.D	03 Jun 2025 18:18		RC/JU	Ok
13	SSTDCCC0.4	SSTDCCC0.4EC	BN037154.D	03 Jun 2025 18:54		RC/JU	Ok
14	DFTPP	DFTPP	BN037155.D	03 Jun 2025 20:10		RC/JU	Ok
15	SSTDCCC0.4	SSTDCCC0.4	BN037156.D	03 Jun 2025 20:49		RC/JU	Ok
16	PB168238BL	PB168238BL	BN037157.D	03 Jun 2025 21:25	Not Used	RC/JU	Not Ok
17	Q2162-03	BP-VPB-182-GW-580-5	BN037158.D	03 Jun 2025 22:01		RC/JU	Ok

Instrument ID: BNA_N

Daily Analysis Runlog For Sequence/QC Batch ID # BN060325

Review By	Rahul	Review On	6/4/2025 11:44:25 AM
Supervise By	Jagrut	Supervise On	6/5/2025 10:56:16 AM
SubDirectory	BN060325	HP Acquire Method	BNA_N, 8270_HP Processing Method bn060325
STD. NAME	STD REF.#		
Tune/Reschk	SP6757		
Initial Calibration Stds	SP6781,SP6780,SP6779,SP6778,SP6777,SP6776,SP6775		
CCC	SP6779		
Internal Standard/PEM	SP6740,1ul/100ul sample		
ICV/I.BLK	SP6768		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

18	Q2162-07	BP-VPB-182-GW-620-6	BN037159.D	03 Jun 2025 22:37		RC/JU	Ok
19	Q2162-09	BP-VPB-182-DUP-2025	BN037160.D	03 Jun 2025 23:13		RC/JU	Ok
20	Q2162-10	BP-VPB-182-EB-20250	BN037161.D	03 Jun 2025 23:49		RC/JU	Ok
21	PB168238BS	PB168238BS	BN037162.D	04 Jun 2025 00:25	Recovery Fail for 1,4 Dioxane from low side	RC/JU	Not Ok
22	PB168238BSD	PB168238BSD	BN037163.D	04 Jun 2025 01:01	Recovery Fail for 1,4 Dioxane from low side	RC/JU	Not Ok
23	SSTDCCC0.4	SSTDCCC0.4EC	BN037164.D	04 Jun 2025 02:13		RC/JU	Ok

M : Manual Integration

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Instrument ID: BNA_N

Daily Analysis Runlog For Sequence/QC Batch ID # BN060925

Review By	Rahul	Review On	6/10/2025 11:45:37 AM
Supervise By	Jagrut	Supervise On	6/10/2025 1:38:10 PM
SubDirectory	BN060925	HP Acquire Method	BNA_N, 8270_HP Processing Method bn060325
STD. NAME	STD REF.#		
Tune/Reschk	SP6757		
Initial Calibration Stds	SP6781,SP6780,SP6779,SP6778,SP6777,SP6776,SP6775		
CCC	SP6779		
Internal Standard/PEM	SP6740,1ul/100ul sample		
ICV/I.BLK	SP6768		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	DFTPP	DFTPP	BN037188.D	09 Jun 2025 10:15		RC/JU	Ok
2	SSTDCCC0.4	SSTDCCC0.4	BN037189.D	09 Jun 2025 10:54		RC/JU	Ok
3	PB168336BL	PB168336BL	BN037190.D	09 Jun 2025 11:30		RC/JU	Ok
4	Q2250-01	MW-11A-13.5-060525	BN037191.D	09 Jun 2025 12:06		RC/JU	Ok
5	Q2250-02MS	MW-11A-13.5-060525M	BN037192.D	09 Jun 2025 14:33		RC/JU	Ok,M
6	Q2250-03MSD	MW-11A-13.5-060525M	BN037193.D	09 Jun 2025 15:47		RC/JU	Ok,M
7	Q2251-03	BP-VPB-182-GW-760-7	BN037194.D	09 Jun 2025 16:26		RC/JU	Ok
8	Q2251-05	BP-VPB-182-EB-20250	BN037195.D	09 Jun 2025 17:02		RC/JU	Ok
9	Q2251-06	VPB182-HYD-2025060	BN037196.D	09 Jun 2025 17:39		RC/JU	Ok
10	Q2253-01	RW8-SP100-20250605	BN037197.D	09 Jun 2025 18:15		RC/JU	Ok
11	Q2253-02	RW8-SP303-20250605	BN037198.D	09 Jun 2025 18:51		RC/JU	Ok
12	Q2250-05	EB02-060525	BN037199.D	09 Jun 2025 19:27		RC/JU	Ok
13	Q2254-01	BP-VPB-182-GW-810-8	BN037200.D	09 Jun 2025 20:04		RC/JU	Ok
14	PB168336BS	PB168336BS	BN037201.D	09 Jun 2025 20:40		RC/JU	Ok
15	SSTDCCC0.4	SSTDCCC0.4EC	BN037202.D	09 Jun 2025 21:16		RC/JU	Ok
16	DFTPP	DFTPP	BN037203.D	09 Jun 2025 22:32		RC/JU	Ok
17	SSTDCCC0.4	SSTDCCC0.4	BN037204.D	09 Jun 2025 23:11		RC/JU	Ok

Instrument ID: BNA_N

Daily Analysis Runlog For Sequence/QC Batch ID # BN060925

Review By	Rahul	Review On	6/10/2025 11:45:37 AM
Supervise By	Jagrut	Supervise On	6/10/2025 1:38:10 PM
SubDirectory	BN060925	HP Acquire Method	BNA_N, 8270_HP Processing Method bn060325
STD. NAME	STD REF.#		
Tune/Reschk	SP6757		
Initial Calibration Stds	SP6781,SP6780,SP6779,SP6778,SP6777,SP6776,SP6775		
CCC	SP6779		
Internal Standard/PEM	SP6740,1ul/100ul sample		
ICV/I.BLK	SP6768		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

18	PB168336BL	PB168336BL	BN037205.D	09 Jun 2025 23:48	analyzed to check contamination.	RC/JU	Not Ok
19	Q2234-01	MW-17B-55-060425	BN037206.D	10 Jun 2025 00:24		RC/JU	Ok
20	Q2234-05	MW-18B-56-060425	BN037207.D	10 Jun 2025 01:00		RC/JU	Ok
21	Q2234-06	MW-18B-56-060425-FD	BN037208.D	10 Jun 2025 01:36		RC/JU	Ok
22	Q2234-07	MW-19B-72-060425	BN037209.D	10 Jun 2025 02:12	Need 2X dilutiion	RC/JU	Dilution
23	Q2250-04	MW-06-6.5-060525	BN037210.D	10 Jun 2025 02:49		RC/JU	Ok
24	Q2209-01	P01W	BN037211.D	10 Jun 2025 03:25		RC/JU	Ok
25	Q2210-01	TW1	BN037212.D	10 Jun 2025 04:01		RC/JU	Ok
26	Q2234-07DL	MW-19B-72-060425DL	BN037213.D	10 Jun 2025 09:49		RC/JU	Ok
27	SSTDCCC0.4	SSTDCCC0.4EC	BN037214.D	10 Jun 2025 10:25		RC/JU	Ok

M : Manual Integration

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

Clean Up SOP #: N/A

Matrix : Water

Welgh By: N/A **Extraction By:** RS

Balance check: N/A **Filter By:** RJ

Balance ID: N/A **pH Meter ID:** N/A

pH Strip Lot#: E3880 **Hood ID:** 4,5,6,7

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

Extraction Start Date : 06/06/2025

Extraction Start Time : 11:54

Extraction End Date : 06/06/2025

Extraction End Time : 17:10

Concentration By: EH

Supervisor By : RUPESH

Standard Name	MLS USED	Concentration ug/mL	STD REF. # FROM LOG
Spike Sol 1	1.0ML	0.4 PPM	SP6756
Surrogate	1.0ML	0.4 PPM	SP6758
N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A

Chemical Used	ML/SAMPLE USED	Lot Number
Methylene Chloride	N/A	E3939
Baked Na2SO4	N/A	EP2620
10N NaoH	N/A	EP2609
H2SO4 1:1	N/A	EP2610
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A

Extraction Conformance/Non-Conformance Comments:

1.5 ML Vial lot# 2210443. pH Adjusted<2 with 1:1 H2SO4 &>11 with 10 N NaOH.

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

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

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
6/6/25	RS (EXT-Lab)	JH / SVOC
17:15	Preparation Group	Analysis Group

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

Concentration Date: 06/06/2025

Sample ID	Client Sample ID	Test	g / mL	PH	Surr/Spike By:		Final Vol. (mL)	JarID	Comments	Prep Pos
					AddedBy	VerifiedBy				
PB168336BL	SBLK336	SVOC-SIMGrou p1	1000	6	RUPESH	ritesh	1			SEP-1
PB168336BS	SLCS336	SVOC-SIMGrou p1	1000	6	RUPESH	ritesh	1			2
Q2209-01	P01W	SVOC-SIMGrou p1	990	6	RUPESH	ritesh	1	C		3
Q2210-01	TW1	SVOCMS Group2	1000	6	RUPESH	ritesh	1	E		4
Q2234-01	MW-17B-55-060425	SVOC-SIMGrou p1	980	6	RUPESH	ritesh	1	H		5
Q2234-05	MW-18B-56-060425	SVOC-SIMGrou p1	970	11	RUPESH	ritesh	1	E		6
Q2234-06	MW-18B-56-060425-FD	SVOC-SIMGrou p1	1000	11	RUPESH	ritesh	1	E		7
Q2234-07	MW-19B-72-060425	SVOC-SIMGrou p1	980	6	RUPESH	ritesh	1	E		8
Q2250-01	MW-11A-13.5-060525	SVOC-SIMGrou p1	930	6	RUPESH	ritesh	1	E		9
Q2250-02	Q2250-01MS	SVOC-SIMGrou p1	960	6	RUPESH	ritesh	1	E		10
Q2250-03	Q2250-01MSD	SVOC-SIMGrou p1	990	6	RUPESH	ritesh	1	E		11
Q2250-04	MW-06-6.5-060525	SVOC-SIMGrou p1	970	6	RUPESH	ritesh	1	A		12
Q2250-05	EB02-060525	SVOC-SIMGrou p1	990	6	RUPESH	ritesh	1	J		13
Q2251-03	BP-VPB-182-GW-760-762	SVOC-SIMGrou p1	850	6	RUPESH	ritesh	1	C		14
Q2251-05	BP-VPB-182-EB-20250604	SVOC-SIMGrou p1	870	6	RUPESH	ritesh	1	C		15
Q2251-06	VPB182-HYD-20250605	SVOC-SIMGrou p1	890	6	RUPESH	ritesh	1	C		16
Q2253-01	RW8-SP100-20250605	SVOC-SIMGrou p1	1000	6	RUPESH	ritesh	1	B		SEP-1
Q2253-02	RW8-SP100-20250605 RW8-SP103-20250605	SVOC-SIMGrou p1	1000	6	RUPESH	ritesh	1	D		2
Q2254-01	BP-VPB-182-GW-810-812	SVOC-SIMGrou p1	890	6	RUPESH	ritesh	1			3

* Extracts relinquished on the same date as received.

RS
6/6

1682389
11:57

WORKLIST(Hardcopy Internal Chain)

WorkList Name : Q2250 WorkList ID : 190013 Department : Extraction Date : 06-06-2025 11:47:44

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q2209-01	P01W	Water	SVOC-SIMGroup1	Cool 4 deg C	GENV01	N31	06/04/2025	8270-Modified
Q2210-01	TW1	Water	SVOCMS Group2	Cool 4 deg C	GENV01	L31	06/03/2025	8270-Modified
Q2234-01	MW-17B-55-060425	Water	SVOC-SIMGroup1	Cool 4 deg C	JACO05	N31	06/04/2025	8270-Modified
Q2234-05	MW-18B-56-060425	Water	SVOC-SIMGroup1	Cool 4 deg C	JACO05	N31	06/04/2025	8270-Modified
Q2234-06	MW-18B-56-060425-FD	Water	SVOC-SIMGroup1	Cool 4 deg C	JACO05	N31	06/04/2025	8270-Modified
Q2234-07	MW-19B-72-060425	Water	SVOC-SIMGroup1	Cool 4 deg C	JACO05	N31	06/04/2025	8270-Modified
Q2250-01	MW-11A-13.5-060525	Water	SVOC-SIMGroup1	Cool 4 deg C	JACO05	D22	06/05/2025	8270-Modified
Q2250-02	Q2250-01MS	Water	SVOC-SIMGroup1	Cool 4 deg C	JACO05	D22	06/05/2025	8270-Modified
Q2250-03	Q2250-01MSD	Water	SVOC-SIMGroup1	Cool 4 deg C	JACO05	D22	06/05/2025	8270-Modified
Q2250-04	MW-06-6.5-060525	Water	SVOC-SIMGroup1	Cool 4 deg C	JACO05	D22	06/05/2025	8270-Modified
Q2250-05	EB02-060525	Water	SVOC-SIMGroup1	Cool 4 deg C	JACO05	D22	06/05/2025	8270-Modified
Q2251-03	BP-VPB-182-GW-760-762	Water	SVOC-SIMGroup1	Cool 4 deg C	TETRO6	L31	06/03/2025	8270-Modified
Q2251-05	BP-VPB-182-EB-20250604	Water	SVOC-SIMGroup1	Cool 4 deg C	TETRO6	L31	06/04/2025	8270-Modified
Q2251-06	VPB 182-HYD-20250605	Water	SVOC-SIMGroup1	Cool 4 deg C	TETRO6	L31	06/05/2025	8270-Modified
Q2253-01	RW8-SP100-20250605	Water	SVOC-SIMGroup1	Cool 4 deg C	TETRO6	D21	06/05/2025	8270-Modified
Q2253-02	RW8-SP100-20250605 RW8-SP100-20250605	Water	SVOC-SIMGroup1	Cool 4 deg C	TETRO6	D21	06/05/2025	8270-Modified
Q2254-01	BP-VPB-182-GW-810-812	Water	SVOC-SIMGroup1	Cool 4 deg C	TETRO6	D21	06/05/2025	8270-Modified

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Date/Time 6/6/25 12:45
Raw Sample Received by: RS (Ext-606) JDCSM
Raw Sample Relinquished by: RS (Ext-606)

LAB CHRONICLE

OrderID:	Q2234	OrderDate:	6/5/2025 10:52:00 AM
Client:	JACOBS Engineering Group, Inc.	Project:	Former Schlumberger STC PTC Site D3868221
Contact:	John Ynfante	Location:	N31,VOA Ref. #3 Water

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q2234-01	MW-17B-55-060425	Water			06/04/25			06/05/25
			SVOC-SIMGroup1	8270-Modified		06/06/25	06/10/25	
Q2234-05	MW-18B-56-060425	Water			06/04/25			06/05/25
			SVOC-SIMGroup1	8270-Modified		06/06/25	06/10/25	
Q2234-06	MW-18B-56-060425-F D	Water			06/04/25			06/05/25
			SVOC-SIMGroup1	8270-Modified		06/06/25	06/10/25	
Q2234-07	MW-19B-72-060425	Water			06/04/25			06/05/25
			SVOC-SIMGroup1	8270-Modified		06/06/25	06/10/25	
Q2234-07DL	MW-19B-72-060425D L	Water			06/04/25			06/05/25
			SVOC-SIMGroup1	8270-Modified		06/06/25	06/10/25	