

Hit Summary Sheet SW-846

SDG No.: Q2200

Client: JACOBS Engineering Group, Inc.

Sample ID	Client ID	Parameter	Concentration	C	MDL	RDL	Units
Client ID :	RMW-02B-66-060325						
Q2200-01	RMW-02B-66-060325	WATER	1,4-Dioxane	21.100	E 0.07	0.21	ug/L
			Total Svoc :	21.10			
			Total Concentration:	21.10			
Client ID :	RMW-02B-66-060325DL						
Q2200-01DL	RMW-02B-66-060325DL	WATER	1,4-Dioxane	25.100	D 0.68	2.1	ug/L
			Total Svoc :	25.10			
			Total Concentration:	25.10			
Client ID :	RMW-03B-90-060325						
Q2200-02	RMW-03B-90-060325	WATER	1,4-Dioxane	6.400	E 0.07	0.21	ug/L
			Total Svoc :	6.40			
			Total Concentration:	6.40			
Client ID :	RMW-03B-90-060325DL						
Q2200-02DL	RMW-03B-90-060325DL	WATER	1,4-Dioxane	5.400	D 0.14	0.42	ug/L
			Total Svoc :	5.40			
			Total Concentration:	5.40			
Client ID :	MW-11B-37.5-060325						
Q2200-05	MW-11B-37.5-060325	WATER	1,4-Dioxane	22.100	E 0.07	0.21	ug/L
			Total Svoc :	22.10			
			Total Concentration:	22.10			
Client ID :	MW-11B-37.5-060325DL						
Q2200-05DL	MW-11B-37.5-060325DI	WATER	1,4-Dioxane	25.100	D 0.68	2.1	ug/L
			Total Svoc :	25.10			
			Total Concentration:	25.10			



SAMPLE DATA

Report of Analysis

Client:	JACOBS Engineering Group, Inc.	Date Collected:	06/03/25
Project:	Former Schlumberger STC PTC Site D3868221	Date Received:	06/03/25
Client Sample ID:	RMW-02B-66-060325	SDG No.:	Q2200
Lab Sample ID:	Q2200-01	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
BN037177.D	1	06/04/25 11:46	06/05/25 12:44	PB168286

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
123-91-1	1,4-Dioxane	21.1	E	0.070	0.21	ug/L
SURROGATES						
7297-45-2	2-Methylnaphthalene-d10	0.31		30 (20) - 150 (139)	77%	SPK: 0.4
93951-69-0	Fluoranthene-d10	0.38		30 (54) - 150 (157)	95%	SPK: 0.4
4165-60-0	Nitrobenzene-d5	0.33		30 (27) - 130 (154)	83%	SPK: 0.4
321-60-8	2-Fluorobiphenyl	0.36		30 (30) - 130 (155)	90%	SPK: 0.4
1718-51-0	Terphenyl-d14	0.44		30 (54) - 130 (175)	110%	SPK: 0.4
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	2050	7.589			
1146-65-2	Naphthalene-d8	4890	10.372			
15067-26-2	Acenaphthene-d10	2460	14.234			
1517-22-2	Phenanthrene-d10	4390	16.984			
1719-03-5	Chrysene-d12	3310	21.188			
1520-96-3	Perylene-d12	3370	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:	06/03/25
Project:	Former Schlumberger STC PTC Site D3868221	Date Received:	06/03/25
Client Sample ID:	RMW-02B-66-060325DL	SDG No.:	Q2200
Lab Sample ID:	Q2200-01DL	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
BN037183.D	10	06/04/25 11:46	06/05/25 16:57	PB168286

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
123-91-1	1,4-Dioxane	25.1	D	0.68	2.10	ug/L
SURROGATES						
7297-45-2	2-Methylnaphthalene-d10	0.33		30 (20) - 150 (139)	83%	SPK: 0.4
93951-69-0	Fluoranthene-d10	0.42		30 (54) - 150 (157)	105%	SPK: 0.4
4165-60-0	Nitrobenzene-d5	0.30		30 (27) - 130 (154)	75%	SPK: 0.4
321-60-8	2-Fluorobiphenyl	0.37		30 (30) - 130 (155)	93%	SPK: 0.4
1718-51-0	Terphenyl-d14	0.52		30 (54) - 130 (175)	130%	SPK: 0.4
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	1560		7.597		
1146-65-2	Naphthalene-d8	4020		10.372		
15067-26-2	Acenaphthene-d10	2280		14.235		
1517-22-2	Phenanthrene-d10	4260		16.996		
1719-03-5	Chrysene-d12	2800		21.189		
1520-96-3	Perylene-d12	2510		23.38		

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Report of Analysis

Client:	JACOBS Engineering Group, Inc.	Date Collected:	06/03/25
Project:	Former Schlumberger STC PTC Site D3868221	Date Received:	06/03/25
Client Sample ID:	RMW-03B-90-060325	SDG No.:	Q2200
Lab Sample ID:	Q2200-02	Matrix:	Water
Analytical Method:	SW8270ESIM	% Solid:	0
Sample Wt/Vol:	960 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-SIMGroup1
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BN037178.D	1	06/04/25 11:46	06/05/25 13:20	PB168286

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
123-91-1	1,4-Dioxane	6.40	E	0.070	0.21	ug/L
SURROGATES						
7297-45-2	2-Methylnaphthalene-d10	0.30		30 (20) - 150 (139)	74%	SPK: 0.4
93951-69-0	Fluoranthene-d10	0.37		30 (54) - 150 (157)	91%	SPK: 0.4
4165-60-0	Nitrobenzene-d5	0.31		30 (27) - 130 (154)	78%	SPK: 0.4
321-60-8	2-Fluorobiphenyl	0.32		30 (30) - 130 (155)	81%	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	1900	7.589			
1146-65-2	Naphthalene-d8	4870	10.372			
15067-26-2	Acenaphthene-d10	2510	14.235			
1517-22-2	Phenanthrene-d10	4280	16.984			
1719-03-5	Chrysene-d12	2890	21.189			
1520-96-3	Perylene-d12	2730	23.377			

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Report of Analysis

Client:	JACOBS Engineering Group, Inc.	Date Collected:	06/03/25
Project:	Former Schlumberger STC PTC Site D3868221	Date Received:	06/03/25
Client Sample ID:	RMW-03B-90-060325DL	SDG No.:	Q2200
Lab Sample ID:	Q2200-02DL	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
BN037184.D	2	06/04/25 11:46	06/05/25 17:33	PB168286

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
123-91-1	1,4-Dioxane	5.40	D	0.14	0.42	ug/L
SURROGATES						
7297-45-2	2-Methylnaphthalene-d10	0.24		30 (20) - 150 (139)	60%	SPK: 0.4
93951-69-0	Fluoranthene-d10	0.29		30 (54) - 150 (157)	72%	SPK: 0.4
4165-60-0	Nitrobenzene-d5	0.24		30 (27) - 130 (154)	60%	SPK: 0.4
321-60-8	2-Fluorobiphenyl	0.26		30 (30) - 130 (155)	65%	SPK: 0.4
1718-51-0	Terphenyl-d14	0.39		30 (54) - 130 (175)	97%	SPK: 0.4
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	1830	7.59			
1146-65-2	Naphthalene-d8	4770	10.372			
15067-26-2	Acenaphthene-d10	2650	14.235			
1517-22-2	Phenanthrene-d10	4720	16.984			
1719-03-5	Chrysene-d12	2950	21.189			
1520-96-3	Perylene-d12	2770	23.377			

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J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

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D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

Report of Analysis

Client:	JACOBS Engineering Group, Inc.	Date Collected:	06/03/25
Project:	Former Schlumberger STC PTC Site D3868221	Date Received:	06/03/25
Client Sample ID:	EB01-060325	SDG No.:	Q2200
Lab Sample ID:	Q2200-03	Matrix:	Water
Analytical Method:	SW8270ESIM	% Solid:	0
Sample Wt/Vol:	910 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
BN037179.D	1	06/04/25 11:46	06/05/25 13:56	PB168286

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
123-91-1	1,4-Dioxane	0.070	U	0.070	0.22	ug/L
SURROGATES						
7297-45-2	2-Methylnaphthalene-d10	0.29		30 (20) - 150 (139)	73%	SPK: 0.4
93951-69-0	Fluoranthene-d10	0.36		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	0.31		30 (30) - 130 (155)	77%	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	1770	7.589			
1146-65-2	Naphthalene-d8	4600	10.372			
15067-26-2	Acenaphthene-d10	2430	14.234			
1517-22-2	Phenanthrene-d10	4340	16.984			
1719-03-5	Chrysene-d12	2780	21.188			
1520-96-3	Perylene-d12	2500	23.38			

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J = Estimated Value

B = Analyte Found in Associated Method Blank

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Report of Analysis

Client:	JACOBS Engineering Group, Inc.	Date Collected:	06/03/25
Project:	Former Schlumberger STC PTC Site D3868221	Date Received:	06/03/25
Client Sample ID:	MW-01-6.5-060325	SDG No.:	Q2200
Lab Sample ID:	Q2200-04	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
BN037180.D	1	06/04/25 11:46	06/05/25 14:32	PB168286

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	0.32		30 (20) - 150 (139)	80%	SPK: 0.4
93951-69-0	Fluoranthene-d10	0.35		30 (54) - 150 (157)	88%	SPK: 0.4
4165-60-0	Nitrobenzene-d5	0.33		30 (27) - 130 (154)	82%	SPK: 0.4
321-60-8	2-Fluorobiphenyl	0.34		30 (30) - 130 (155)	85%	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	1860	7.589			
1146-65-2	Naphthalene-d8	4770	10.372			
15067-26-2	Acenaphthene-d10	2550	14.234			
1517-22-2	Phenanthrene-d10	4650	16.984			
1719-03-5	Chrysene-d12	3040	21.189			
1520-96-3	Perylene-d12	2760	23.377			

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Report of Analysis

Client:	JACOBS Engineering Group, Inc.	Date Collected:	06/03/25
Project:	Former Schlumberger STC PTC Site D3868221	Date Received:	06/03/25
Client Sample ID:	MW-11B-37.5-060325	SDG No.:	Q2200
Lab Sample ID:	Q2200-05	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
BN037181.D	1	06/04/25 11:46	06/05/25 15:08	PB168286

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
123-91-1	1,4-Dioxane	22.1	E	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	0.36		30 (54) - 150 (157)	90%	SPK: 0.4
4165-60-0	Nitrobenzene-d5	0.33		30 (27) - 130 (154)	81%	SPK: 0.4
321-60-8	2-Fluorobiphenyl	0.32		30 (30) - 130 (155)	80%	SPK: 0.4
1718-51-0	Terphenyl-d14	0.44		30 (54) - 130 (175)	109%	SPK: 0.4
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	2010	7.589			
1146-65-2	Naphthalene-d8	5260	10.372			
15067-26-2	Acenaphthene-d10	2800	14.235			
1517-22-2	Phenanthrene-d10	4920	16.984			
1719-03-5	Chrysene-d12	3310	21.189			
1520-96-3	Perylene-d12	3150	23.377			

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Report of Analysis

Client:	JACOBS Engineering Group, Inc.	Date Collected:	06/03/25
Project:	Former Schlumberger STC PTC Site D3868221	Date Received:	06/03/25
Client Sample ID:	MW-11B-37.5-060325DL	SDG No.:	Q2200
Lab Sample ID:	Q2200-05DL	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
BN037185.D	10	06/04/25 11:46	06/05/25 18:10	PB168286

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
123-91-1	1,4-Dioxane	25.1	D	0.68	2.10	ug/L
SURROGATES						
7297-45-2	2-Methylnaphthalene-d10	0.31		30 (20) - 150 (139)	77%	SPK: 0.4
93951-69-0	Fluoranthene-d10	0.37		30 (54) - 150 (157)	93%	SPK: 0.4
4165-60-0	Nitrobenzene-d5	0.36		30 (27) - 130 (154)	90%	SPK: 0.4
321-60-8	2-Fluorobiphenyl	0.33		30 (30) - 130 (155)	83%	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	1670	7.589			
1146-65-2	Naphthalene-d8	4200	10.372			
15067-26-2	Acenaphthene-d10	2310	14.234			
1517-22-2	Phenanthrene-d10	4170	16.984			
1719-03-5	Chrysene-d12	2650	21.188			
1520-96-3	Perylene-d12	2590	23.377			

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QC SUMMARY

Surrogate Summary

SW-846

SDG No.: Q2200

Client: JACOBS Engineering Group, Inc.

Analytical Method: 8270-Modified

Lab Sample ID	Client ID	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%)	
							Low	High
PB168286BL	PB168286BL	2-Methylnaphthalene-d10	0.4	0.36	89		30 (20)	150 (139)
		Fluoranthene-d10	0.4	0.34	85		30 (54)	150 (157)
		Nitrobenzene-d5	0.4	0.34	84		30 (27)	130 (154)
		2-Fluorobiphenyl	0.4	0.37	91		30 (30)	130 (155)
		Terphenyl-d14	0.4	0.39	98		30 (54)	130 (175)
PB168286BS	PB168286BS	2-Methylnaphthalene-d10	0.4	0.39	97		30 (20)	150 (139)
		Fluoranthene-d10	0.4	0.30	76		30 (54)	150 (157)
		Nitrobenzene-d5	0.4	0.35	88		30 (27)	130 (154)
		2-Fluorobiphenyl	0.4	0.38	94		30 (30)	130 (155)
		Terphenyl-d14	0.4	0.37	91		30 (54)	130 (175)
PB168286BSD	PB168286BSD	2-Methylnaphthalene-d10	0.4	0.41	101		30 (20)	150 (139)
		Fluoranthene-d10	0.4	0.32	79		30 (54)	150 (157)
		Nitrobenzene-d5	0.4	0.36	89		30 (27)	130 (154)
		2-Fluorobiphenyl	0.4	0.38	96		30 (30)	130 (155)
		Terphenyl-d14	0.4	0.38	94		30 (54)	130 (175)
Q2200-01	RMW-02B-66-060325	2-Methylnaphthalene-d10	0.4	0.31	77		30 (20)	150 (139)
		Fluoranthene-d10	0.4	0.38	95		30 (54)	150 (157)
		Nitrobenzene-d5	0.4	0.33	83		30 (27)	130 (154)
		2-Fluorobiphenyl	0.4	0.36	90		30 (30)	130 (155)
		Terphenyl-d14	0.4	0.44	110		30 (54)	130 (175)
Q2200-01DL	RMW-02B-66-060325DL	2-Methylnaphthalene-d10	0.4	0.33	83		30 (20)	150 (139)
		Fluoranthene-d10	0.4	0.42	105		30 (54)	150 (157)
		Nitrobenzene-d5	0.4	0.30	75		30 (27)	130 (154)
		2-Fluorobiphenyl	0.4	0.37	93		30 (30)	130 (155)
		Terphenyl-d14	0.4	0.52	130		30 (54)	130 (175)
Q2200-02	RMW-03B-90-060325	2-Methylnaphthalene-d10	0.4	0.30	74		30 (20)	150 (139)
		Fluoranthene-d10	0.4	0.37	91		30 (54)	150 (157)
		Nitrobenzene-d5	0.4	0.31	78		30 (27)	130 (154)
		2-Fluorobiphenyl	0.4	0.32	81		30 (30)	130 (155)
		Terphenyl-d14	0.4	0.45	113		30 (54)	130 (175)
Q2200-02DL	RMW-03B-90-060325DL	2-Methylnaphthalene-d10	0.4	0.24	60		30 (20)	150 (139)
		Fluoranthene-d10	0.4	0.29	72		30 (54)	150 (157)
		Nitrobenzene-d5	0.4	0.24	60		30 (27)	130 (154)
		2-Fluorobiphenyl	0.4	0.26	65		30 (30)	130 (155)
		Terphenyl-d14	0.4	0.39	97		30 (54)	130 (175)
Q2200-03	EB01-060325	2-Methylnaphthalene-d10	0.4	0.29	73		30 (20)	150 (139)
		Fluoranthene-d10	0.4	0.36	91		30 (54)	150 (157)
		Nitrobenzene-d5	0.4	0.32	79		30 (27)	130 (154)
		2-Fluorobiphenyl	0.4	0.31	77		30 (30)	130 (155)
		Terphenyl-d14	0.4	0.43	108		30 (54)	130 (175)
Q2200-04	MW-01-6.5-060325	2-Methylnaphthalene-d10	0.4	0.32	80		30 (20)	150 (139)
		Fluoranthene-d10	0.4	0.35	88		30 (54)	150 (157)
		Nitrobenzene-d5	0.4	0.33	82		30 (27)	130 (154)
		2-Fluorobiphenyl	0.4	0.34	85		30 (30)	130 (155)
		Terphenyl-d14	0.4	0.43	108		30 (54)	130 (175)
Q2200-05	MW-11B-37.5-060325	2-Methylnaphthalene-d10	0.4	0.30	75		30 (20)	150 (139)
		Fluoranthene-d10	0.4	0.36	90		30 (54)	150 (157)
		Nitrobenzene-d5	0.4	0.33	81		30 (27)	130 (154)
		2-Fluorobiphenyl	0.4	0.32	80		30 (30)	130 (155)
		Terphenyl-d14	0.4	0.44	109		30 (54)	130 (175)
Q2200-05DL	MW-11B-37.5-060325DL	2-Methylnaphthalene-d10	0.4	0.31	77		30 (20)	150 (139)

() = LABORATORY INHOUSE LIMIT

Surrogate Summary

SW-846

SDG No.: Q2200

Client: JACOBS Engineering Group, Inc.

Analytical Method: 8270-Modified

Lab Sample ID	Client ID	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%)	
							Low	High
Q2200-05DL	MW-11B-37.5-060325DL	Fluoranthene-d10	0.4	0.37	93		30 (54)	150 (157)
		Nitrobenzene-d5	0.4	0.36	90		30 (27)	130 (154)
		2-Fluorobiphenyl	0.4	0.33	83		30 (30)	130 (155)
		Terphenyl-d14	0.4	0.45	113		30 (54)	130 (175)

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q2200

Client: JACOBS Engineering Group, Inc.

Analytical Method: 8270-Modified DataFile: BN037182.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD	Limits		RPD
								Qual	Low	High	
PB168286BS	1,4-Dioxane	0.4	0.40	ug/L	100				20 (65)	160 (116)	

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q2200

Client: JACOBS Engineering Group, Inc.

Analytical Method: 8270-Modified DataFile: BN037186.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD	Limits		
								Qual	Low	High	RPD
PB168286BSD	1,4-Dioxane	0.4	0.40	ug/L	100	0			20 (65)	160 (116)	20 (27)

4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB168286BL

Lab Name: CHEMTECH

Contract: JAC005

Lab Code: CHEM Case No.: Q2200

SAS No.: Q2200 SDG NO.: Q2200

Lab File ID: BN037173.D

Lab Sample ID: PB168286BL

Instrument ID: BNA_N

Date Extracted: 06/04/2025

Matrix: (soil/water) Water

Date Analyzed: 06/05/2025

Level: (low/med) LOW

Time Analyzed: 10:19

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
PB168286BS	PB168286BS	BN037182.D	06/05/2025
RMW-02B-66-060325	Q2200-01	BN037177.D	06/05/2025
RMW-03B-90-060325	Q2200-02	BN037178.D	06/05/2025
EB01-060325	Q2200-03	BN037179.D	06/05/2025
PB168286BSD	PB168286BSD	BN037186.D	06/05/2025
MW-01-6.5-060325	Q2200-04	BN037180.D	06/05/2025
MW-11B-37.5-060325	Q2200-05	BN037181.D	06/05/2025

COMMENTS: _____

5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH

Contract: JAC005

Lab Code: CHEM

SAS No.: Q2200 SDG NO.: Q2200

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.: Q2200 SDG NO.: Q2200

Lab File ID: BN037171.D

DFTPP Injection Date: 06/05/2025

Instrument ID: BNA_N

DFTPP Injection Time: 09:03

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	74.9
68	Less than 2.0% of mass 69	0.4 (0.7) 1
69	Mass 69 relative abundance	60.7
70	Less than 2.0% of mass 69	0.3 (0.6) 1
127	10.0 - 80.0% of mass 198	54.1
197	Less than 2.0% of mass 198	0.0
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	6.8
275	10.0 - 60.0% of mass 198	24.4
365	Greater than 1% of mass 198	4.3
441	Present, but less than mass 443	8.7
442	Greater than 50% of mass 198	100
443	15.0 - 24.0% of mass 442	10.3 (19.6) 2

1-Value is % mass 69

2-Value is % mass 442

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
SSTDCCC0.4	SSTDCCC0.4	BN037172.D	06/05/2025	09:42
PB168286BL	PB168286BL	BN037173.D	06/05/2025	10:19
RMW-02B-66-060325	Q2200-01	BN037177.D	06/05/2025	12:44
RMW-03B-90-060325	Q2200-02	BN037178.D	06/05/2025	13:20
EB01-060325	Q2200-03	BN037179.D	06/05/2025	13:56
MW-01-6.5-060325	Q2200-04	BN037180.D	06/05/2025	14:32
MW-11B-37.5-060325	Q2200-05	BN037181.D	06/05/2025	15:08
PB168286BS	PB168286BS	BN037182.D	06/05/2025	16:21
RMW-02B-66-060325DL	Q2200-01DL	BN037183.D	06/05/2025	16:57
RMW-03B-90-060325DL	Q2200-02DL	BN037184.D	06/05/2025	17:33
MW-11B-37.5-060325DL	Q2200-05DL	BN037185.D	06/05/2025	18:10
PB168286BSD	PB168286BSD	BN037186.D	06/05/2025	18:46

8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: Q2200 SAS No.: Q2200 SDG NO.: Q2200

EPA Sample No.: SSTDCCC0.4 Date Analyzed: 06/05/2025

Lab File ID: BN037172.D Time Analyzed: 09:42

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	2188	7.589	5634	10.37	3073	14.23
UPPER LIMIT	4376	8.089	11268	10.872	6146	14.734
LOWER LIMIT	1094	7.089	2817	9.872	1536.5	13.734
EPA SAMPLE NO.						
01 PB168286BL	1976	7.59	4795	10.37	2582	14.25
02 PB168286BS	2072	7.59	5107	10.37	2443	14.24
03 PB168286BSD	1756	7.59	4279	10.37	2046	14.24
04 RMW-02B-66-060325	2048	7.59	4893	10.37	2464	14.23
05 RMW-02B-66-060325DL	1563	7.60	4019	10.37	2284	14.24
06 RMW-03B-90-060325	1903	7.59	4873	10.37	2514	14.24
07 RMW-03B-90-060325DL	1825	7.59	4774	10.37	2649	14.24
08 EB01-060325	1771	7.59	4597	10.37	2434	14.23
09 MW-01-6.5-060325	1856	7.59	4772	10.37	2549	14.23
10 MW-11B-37.5-060325	2014	7.59	5256	10.37	2798	14.24
11 MW-11B-37.5-060325DL	1668	7.59	4203	10.37	2312	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.: Q2200 SAS No.: Q2200 SDG NO.: Q2200

EPA Sample No.: SSTDCCC0.4 Date Analyzed: 06/05/2025

Lab File ID: BN037172.D Time Analyzed: 09:42

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	5620	16.984	3619	21.188	3205	23.374
UPPER LIMIT	11240	17.484	7238	21.688	6410	23.874
LOWER LIMIT	2810	16.484	1809.5	20.688	1602.5	22.874
EPA SAMPLE NO.						
01 PB168286BL	4632	17.00	2959	21.19	2743	23.38
02 PB168286BS	4074	16.98	2362	21.19	2229	23.38
03 PB168286BSD	3397	16.98	1984	21.18	1936	23.38
04 RMW-02B-66-060325	4393	16.98	3309	21.19	3372	23.37
05 RMW-02B-66-060325DL	4264	17.00	2795	21.19	2507	23.38
06 RMW-03B-90-060325	4282	16.98	2888	21.19	2734	23.38
07 RMW-03B-90-060325DL	4719	16.98	2954	21.19	2771	23.38
08 EB01-060325	4339	16.98	2778	21.19	2502	23.38
09 MW-01-6.5-060325	4645	16.98	3039	21.19	2764	23.38
10 MW-11B-37.5-060325	4922	16.98	3314	21.19	3148	23.38
11 MW-11B-37.5-060325DL	4171	16.98	2654	21.19	2589	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:	PB168286BL	SDG No.:	Q2200
Lab Sample ID:	PB168286BL	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
BN037173.D	1	06/04/25 11:46	06/05/25 10:19	PB168286

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)	89%	SPK: 0.4
93951-69-0	Fluoranthene-d10	0.34		30 (54) - 150 (157)	85%	SPK: 0.4
4165-60-0	Nitrobenzene-d5	0.34		30 (27) - 130 (154)	84%	SPK: 0.4
321-60-8	2-Fluorobiphenyl	0.37		30 (30) - 130 (155)	91%	SPK: 0.4
1718-51-0	Terphenyl-d14	0.39		30 (54) - 130 (175)	98%	SPK: 0.4
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	1980	7.589			
1146-65-2	Naphthalene-d8	4800	10.372			
15067-26-2	Acenaphthene-d10	2580	14.245			
1517-22-2	Phenanthrene-d10	4630	16.996			
1719-03-5	Chrysene-d12	2960	21.188			
1520-96-3	Perylene-d12	2740	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:	
Project:	Former Schlumberger STC PTC Site D3868221	Date Received:	
Client Sample ID:	PB168286BS	SDG No.:	Q2200
Lab Sample ID:	PB168286BS	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
BN037182.D	1	06/04/25 11:46	06/05/25 16:21	PB168286

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	0.39		30 (20) - 150 (139)	97%	SPK: 0.4
93951-69-0	Fluoranthene-d10	0.30		30 (54) - 150 (157)	76%	SPK: 0.4
4165-60-0	Nitrobenzene-d5	0.35		30 (27) - 130 (154)	88%	SPK: 0.4
321-60-8	2-Fluorobiphenyl	0.38		30 (30) - 130 (155)	94%	SPK: 0.4
1718-51-0	Terphenyl-d14	0.37		30 (54) - 130 (175)	91%	SPK: 0.4
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	2070	7.589			
1146-65-2	Naphthalene-d8	5110	10.372			
15067-26-2	Acenaphthene-d10	2440	14.235			
1517-22-2	Phenanthrene-d10	4070	16.984			
1719-03-5	Chrysene-d12	2360	21.189			
1520-96-3	Perylene-d12	2230	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:	
Project:	Former Schlumberger STC PTC Site D3868221	Date Received:	
Client Sample ID:	PB168286BSD	SDG No.:	Q2200
Lab Sample ID:	PB168286BSD	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
BN037186.D	1	06/04/25 11:46	06/05/25 18:46	PB168286

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	0.41		30 (20) - 150 (139)	101%	SPK: 0.4
93951-69-0	Fluoranthene-d10	0.32		30 (54) - 150 (157)	79%	SPK: 0.4
4165-60-0	Nitrobenzene-d5	0.36		30 (27) - 130 (154)	89%	SPK: 0.4
321-60-8	2-Fluorobiphenyl	0.38		30 (30) - 130 (155)	96%	SPK: 0.4
1718-51-0	Terphenyl-d14	0.38		30 (54) - 130 (175)	94%	SPK: 0.4
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	1760	7.589			
1146-65-2	Naphthalene-d8	4280	10.372			
15067-26-2	Acenaphthene-d10	2050	14.235			
1517-22-2	Phenanthrene-d10	3400	16.984			
1719-03-5	Chrysene-d12	1980	21.18			
1520-96-3	Perylene-d12	1940	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



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.: Q2200 SAS No.: Q2200 SDG No.: Q2200

Instrument ID: BNA_N Calibration Date/Time: 06/05/2025 09:42

Lab File ID: BN037172.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	0.553		-0.7	20.0
Fluoranthene-d10	1.016	0.921		-9.4	20.0
2-Fluorophenol	0.989	0.924		-6.6	20.0
Phenol-d6	1.199	1.117		-6.8	20.0
Nitrobenzene-d5	0.422	0.422		0.0	20.0
2-Fluorobiphenyl	1.705	1.677		-1.6	20.0
2,4,6-Tribromophenol	0.161	0.143		-11.2	20.0
Terphenyl-d14	0.942	0.898		-4.7	20.0
1,4-Dioxane	0.533	0.502		-5.8	20.0

All other compounds must meet a minimum RRF of 0.010.



SAMPLE RAW DATA

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN060525\
 Data File : BN037177.D
 Acq On : 05 Jun 2025 12:44
 Operator : RC/JU
 Sample : Q2200-01
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 RMW-02B-66-060325

A
B
C
D
E
F
G
H
I
J
K

Quant Time: Jun 05 14:08:55 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)

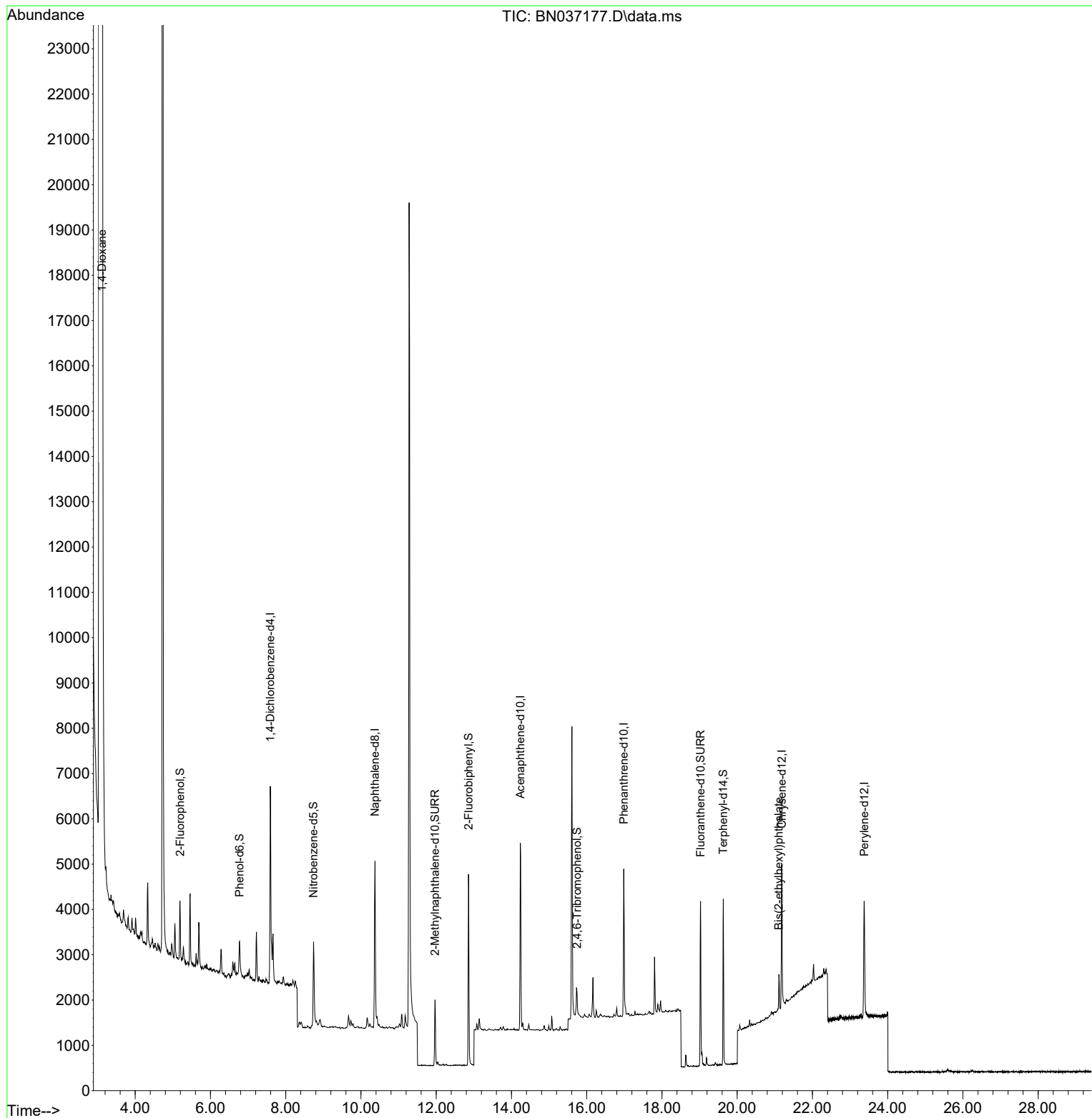
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.589	152	2048	0.400	ng	0.00
7) Naphthalene-d8	10.372	136	4893	0.400	ng	0.00
13) Acenaphthene-d10	14.234	164	2464	0.400	ng	0.00
19) Phenanthrene-d10	16.984	188	4393	0.400	ng	0.00
29) Chrysene-d12	21.188	240	3309	0.400	ng	0.00
35) Perylene-d12	23.374	264	3372	0.400	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.191	112	898	0.177	ng	0.00
5) Phenol-d6	6.773	99	666	0.108	ng	0.00
8) Nitrobenzene-d5	8.738	82	1702	0.330	ng	0.00
11) 2-Methylnaphthalene-d10	11.965	152	2102	0.309	ng	0.00
14) 2,4,6-Tribromophenol	15.742	330	363	0.366	ng	0.00
15) 2-Fluorobiphenyl	12.858	172	3785	0.360	ng	0.00
27) Fluoranthene-d10	19.026	212	4262	0.382	ng	0.00
31) Terphenyl-d14	19.630	244	3420	0.439	ng	0.00
Target Compounds						
2) 1,4-Dioxane	3.119	88	55921	20.484	ng	98
34) Bis(2-ethylhexyl)phtha...	21.108	149	778	0.103	ng	# 94

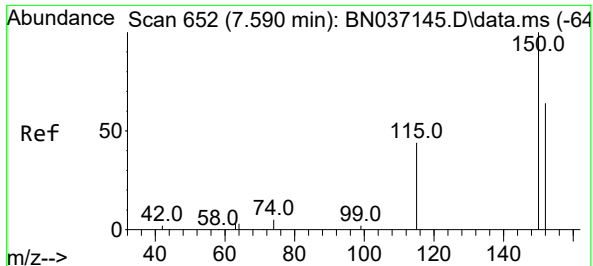
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN060525\
Data File : BN037177.D
Acq On : 05 Jun 2025 12:44
Operator : RC/JU
Sample : Q2200-01
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
RMW-02B-66-060325

Quant Time: Jun 05 14:08:55 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

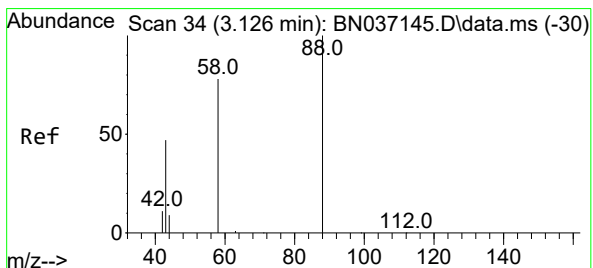
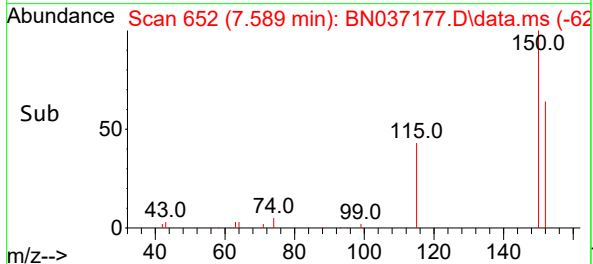
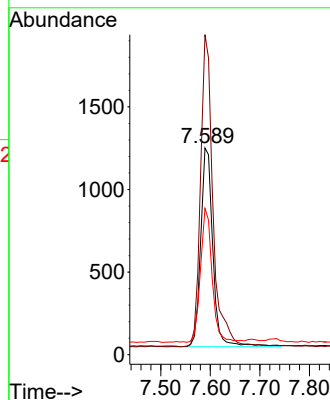
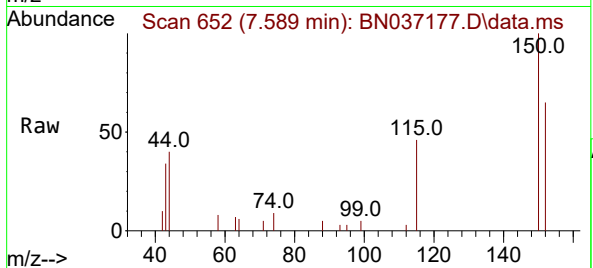




#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.589 min Scan# 61
Delta R.T. -0.001 min
Lab File: BN037177.D
Acq: 05 Jun 2025 12:44

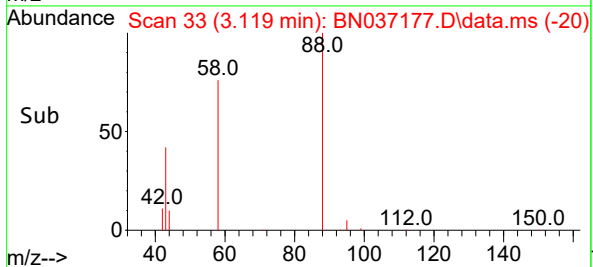
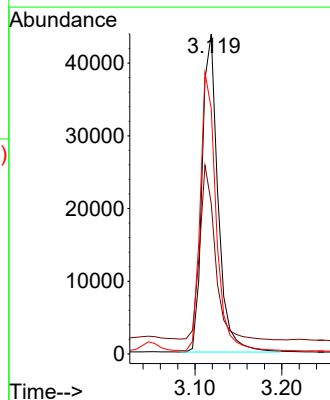
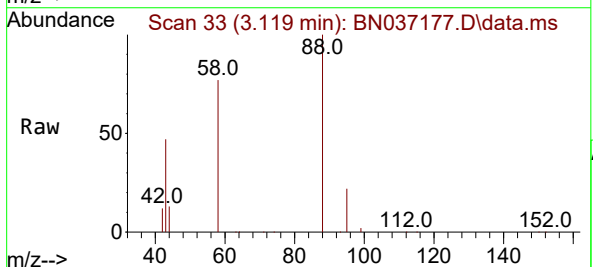
Instrument :
BNA_N
ClientSampleId :
RMW-02B-66-060325

Tgt Ion:152 Resp: 2048
Ion Ratio Lower Upper
152 100
150 154.8 123.2 184.8
115 70.7 56.6 85.0

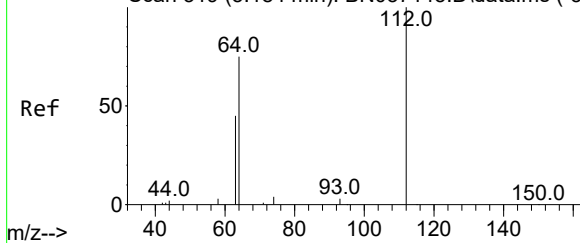


#2
1,4-Dioxane
Concen: 20.484 ng
RT: 3.119 min Scan# 33
Delta R.T. -0.008 min
Lab File: BN037177.D
Acq: 05 Jun 2025 12:44

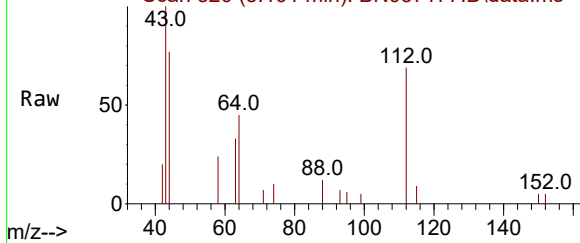
Tgt Ion: 88 Resp: 55921
Ion Ratio Lower Upper
88 100
43 53.0 43.5 65.3
58 86.6 67.7 101.5



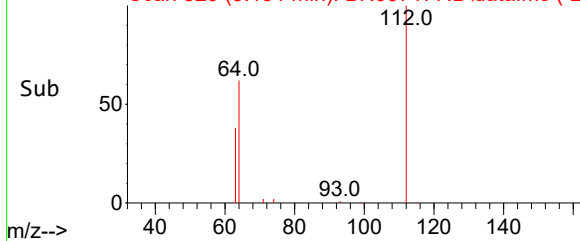
Abundance Scan 319 (5.184 min): BN037145.D\data.ms (-31



Abundance Scan 320 (5.191 min): BN037177.D\data.ms



Abundance Scan 320 (5.191 min): BN037177.D\data.ms (-29



#4

2-Fluorophenol

Concen: 0.177 ng

RT: 5.191 min Scan# 319

Delta R.T. 0.007 min

Lab File: BN037177.D

Acq: 05 Jun 2025 12:44

Instrument :

BNA_N

ClientSampleId :

RMW-02B-66-060325

Tgt Ion:112 Resp: 898

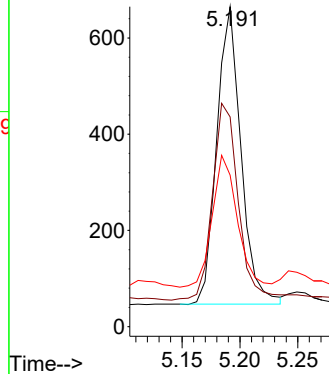
Ion Ratio Lower Upper

112 100

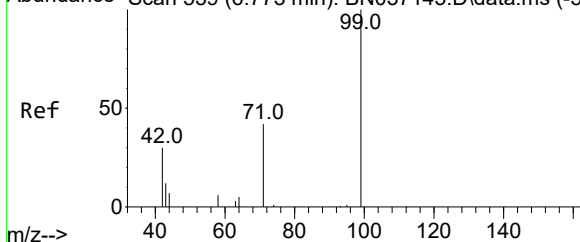
64 72.7 56.3 84.5

63 46.4 36.2 54.4

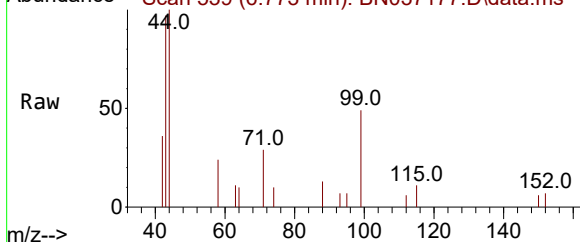
Abundance



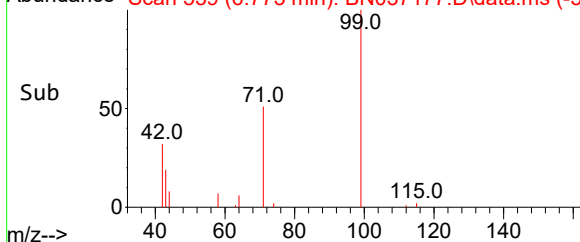
Abundance Scan 539 (6.773 min): BN037145.D\data.ms (-53



Abundance Scan 539 (6.773 min): BN037177.D\data.ms



Abundance Scan 539 (6.773 min): BN037177.D\data.ms (-51



#5

Phenol-d6

Concen: 0.108 ng

RT: 6.773 min Scan# 539

Delta R.T. -0.000 min

Lab File: BN037177.D

Acq: 05 Jun 2025 12:44

Tgt Ion: 99 Resp: 666

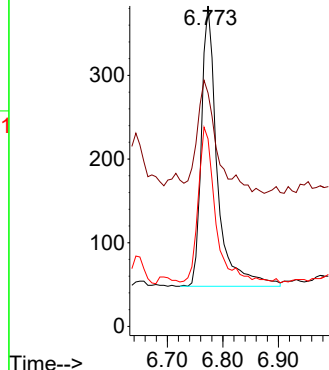
Ion Ratio Lower Upper

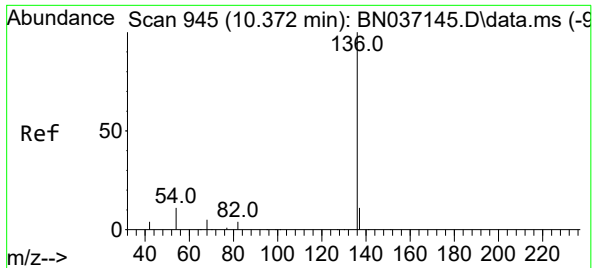
99 100

42 50.5 31.3 46.9#

71 59.8 38.2 57.2#

Abundance

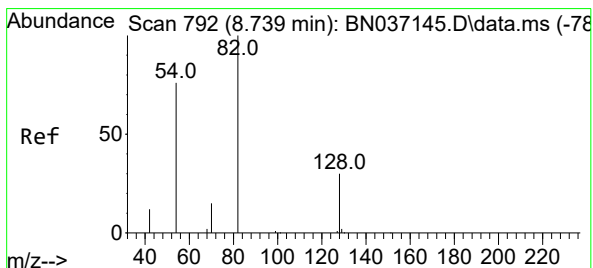
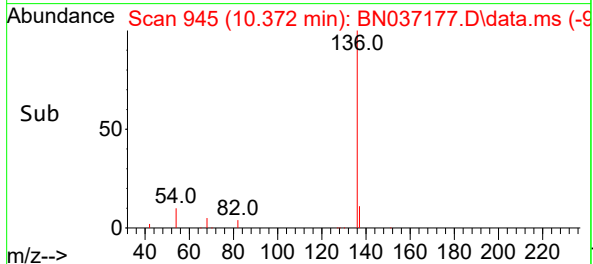
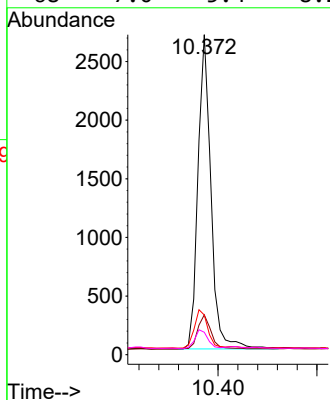
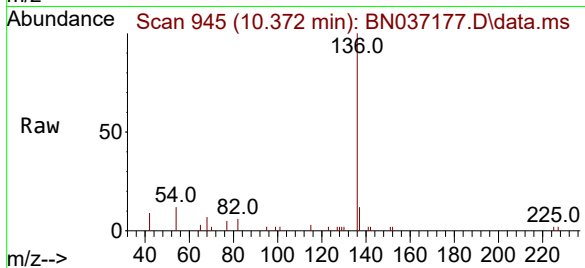




#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.372 min Scan# 945
Delta R.T. -0.000 min
Lab File: BN037177.D
Acq: 05 Jun 2025 12:44

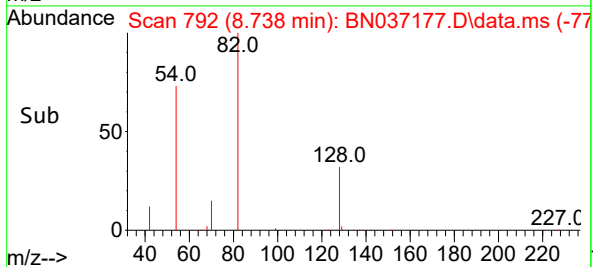
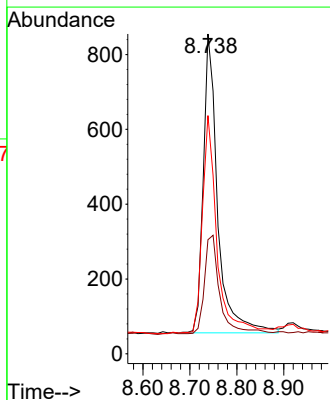
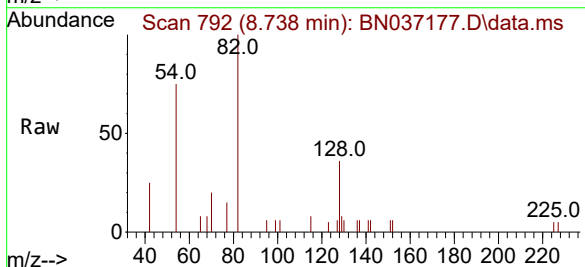
Instrument :
BNA_N
ClientSampleId :
RMW-02B-66-060325

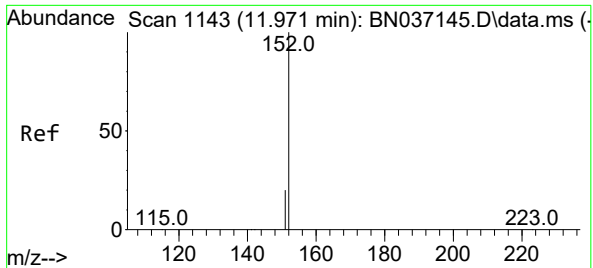
Tgt Ion:	136	Resp:	4893
Ion	Ratio	Lower	Upper
136	100		
137	12.5	9.7	14.5
54	12.4	9.7	14.5
68	7.0	5.4	8.2



#8
Nitrobenzene-d5
Concen: 0.330 ng
RT: 8.738 min Scan# 792
Delta R.T. -0.000 min
Lab File: BN037177.D
Acq: 05 Jun 2025 12:44

Tgt Ion:	82	Resp:	1702
Ion	Ratio	Lower	Upper
82	100		
128	35.7	26.9	40.3
54	74.5	61.4	92.2

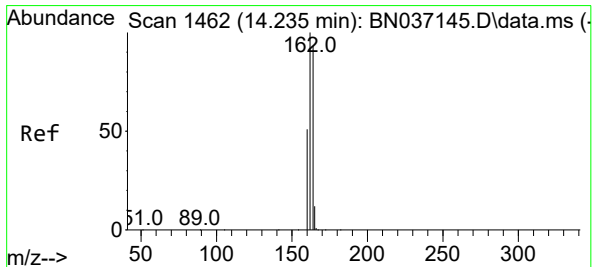
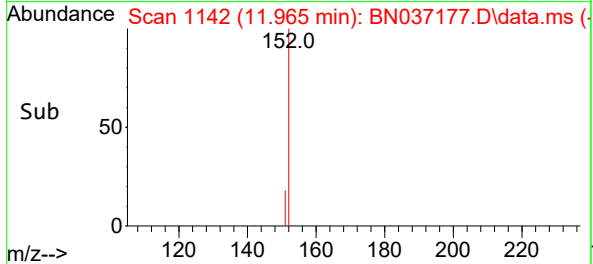
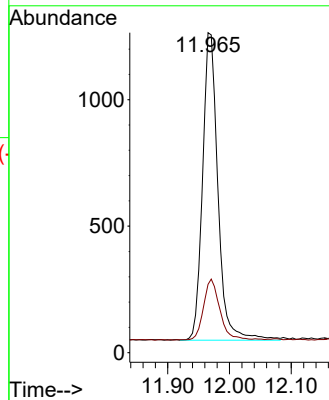
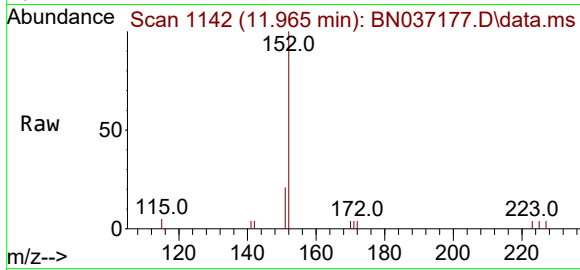




#11
2-Methylnaphthalene-d10
Concen: 0.309 ng
RT: 11.965 min Scan# 1143
Delta R.T. -0.005 min
Lab File: BN037177.D
Acq: 05 Jun 2025 12:44

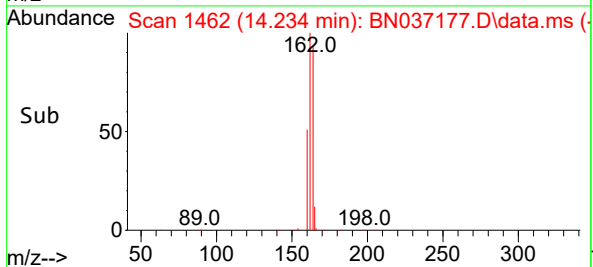
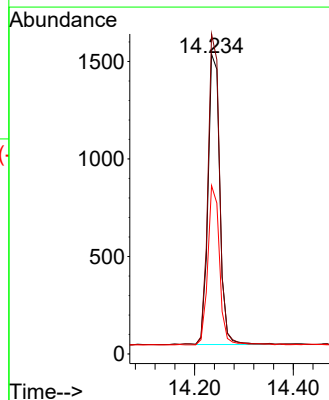
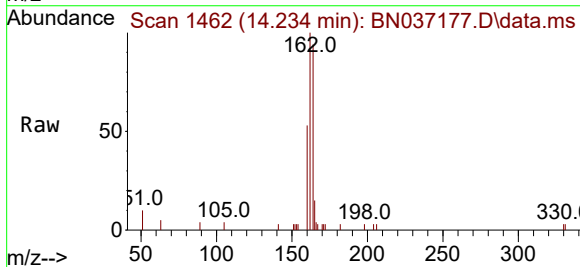
Instrument :
BNA_N
ClientSampleId :
RMW-02B-66-060325

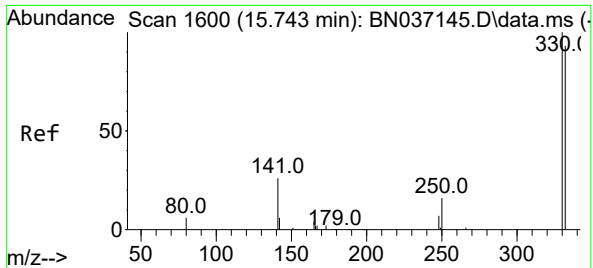
Tgt Ion:152 Resp: 2102
Ion Ratio Lower Upper
152 100
151 21.0 17.1 25.7



#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.234 min Scan# 1462
Delta R.T. -0.000 min
Lab File: BN037177.D
Acq: 05 Jun 2025 12:44

Tgt Ion:164 Resp: 2464
Ion Ratio Lower Upper
164 100
162 106.8 85.5 128.3
160 56.1 44.6 67.0

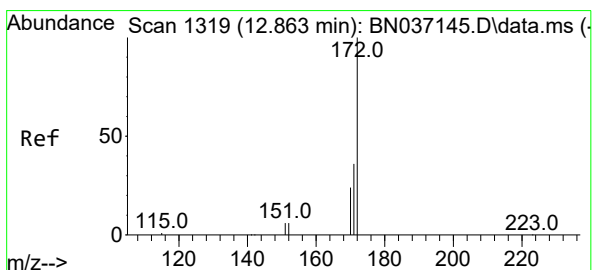
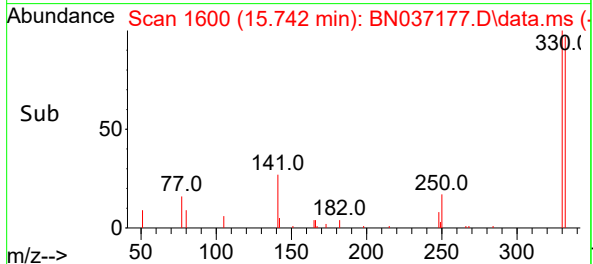
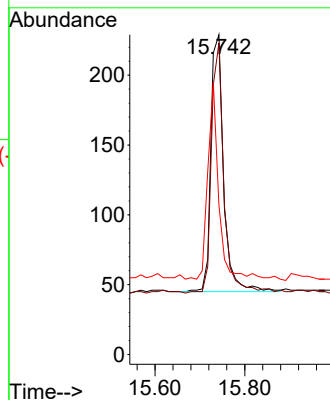
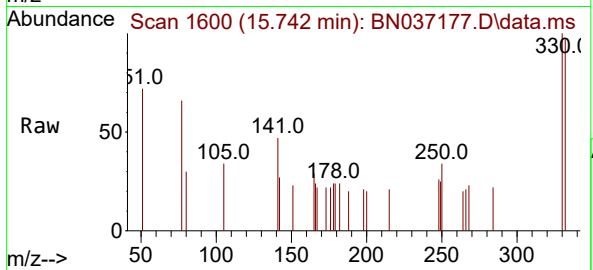




#14
2,4,6-Tribromophenol
Concen: 0.366 ng
RT: 15.742 min Scan# 1
Delta R.T. -0.000 min
Lab File: BN037177.D
Acq: 05 Jun 2025 12:44

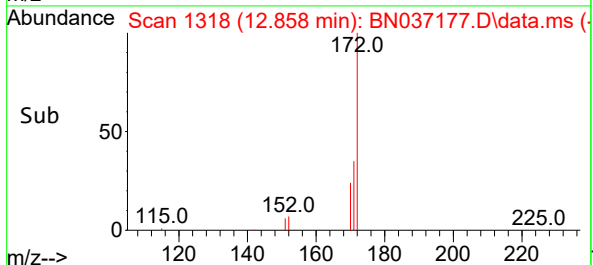
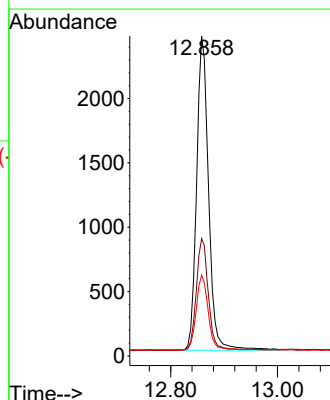
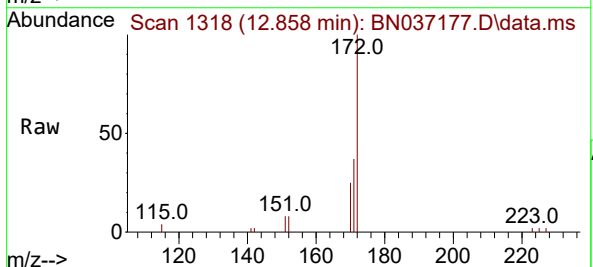
Instrument :
BNA_N
ClientSampleId :
RMW-02B-66-060325

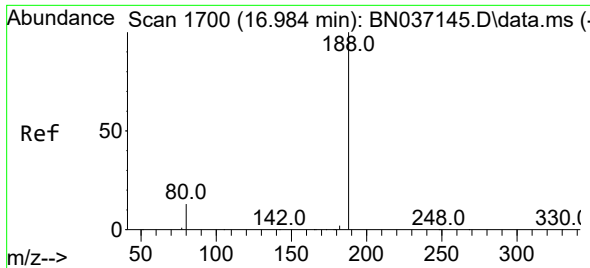
Tgt Ion:330 Resp: 363
Ion Ratio Lower Upper
330 100
332 95.3 77.1 115.7
141 68.6 46.4 69.6



#15
2-Fluorobiphenyl
Concen: 0.360 ng
RT: 12.858 min Scan# 1318
Delta R.T. -0.005 min
Lab File: BN037177.D
Acq: 05 Jun 2025 12:44

Tgt Ion:172 Resp: 3785
Ion Ratio Lower Upper
172 100
171 36.7 29.6 44.4
170 25.2 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: BN037177.D

Acq: 05 Jun 2025 12:44

Instrument :

BNA_N

ClientSampleId :

RMW-02B-66-060325

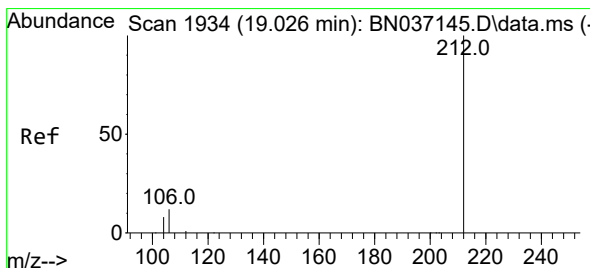
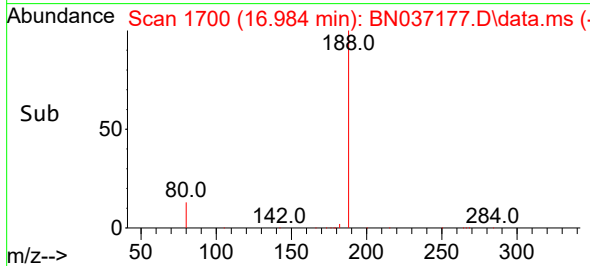
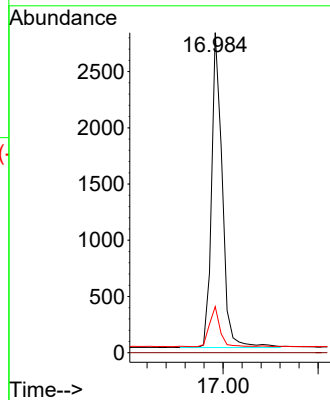
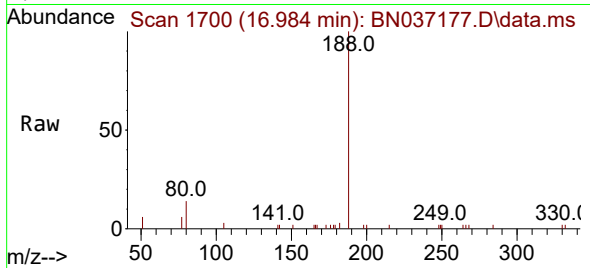
Tgt Ion:188 Resp: 4393

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

80 14.4 11.3 16.9



#27

Fluoranthene-d10

Concen: 0.382 ng

RT: 19.026 min Scan# 1934

Delta R.T. -0.000 min

Lab File: BN037177.D

Acq: 05 Jun 2025 12:44

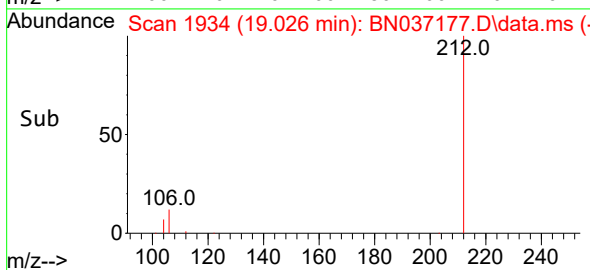
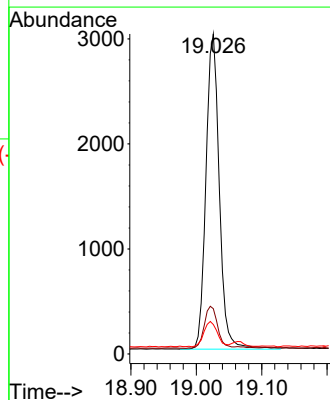
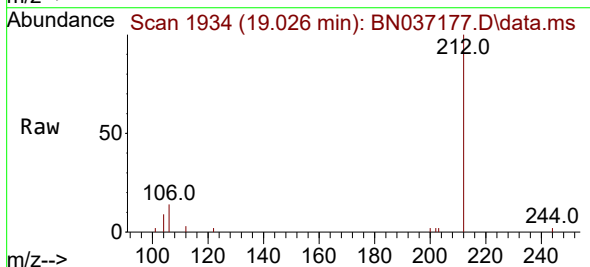
Tgt Ion:212 Resp: 4262

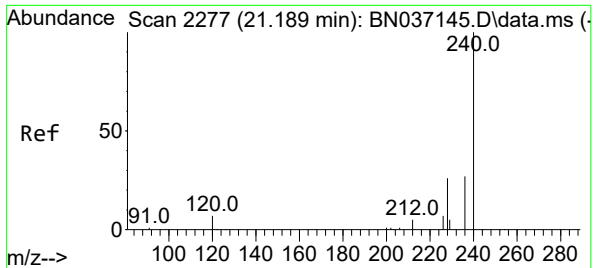
Ion Ratio Lower Upper

212 100

106 13.4 10.6 15.8

104 7.9 6.6 9.8





#29

Chrysene-d12

Concen: 0.400 ng

RT: 21.188 min Scan# 21

Delta R.T. -0.000 min

Lab File: BN037177.D

Acq: 05 Jun 2025 12:44

Instrument :

BNA_N

ClientSampleId :

RMW-02B-66-060325

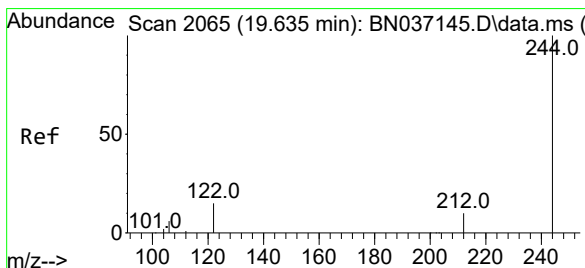
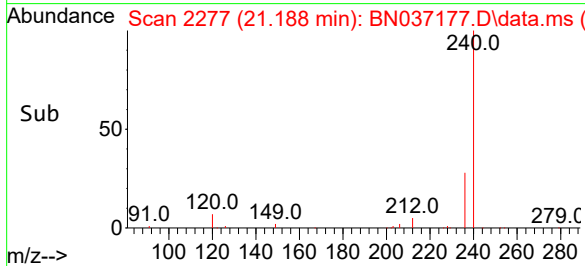
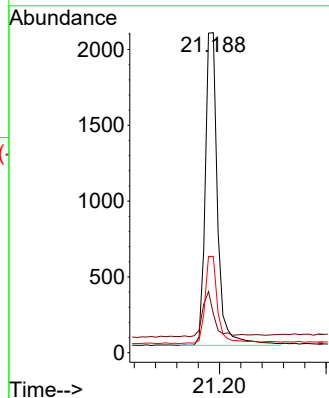
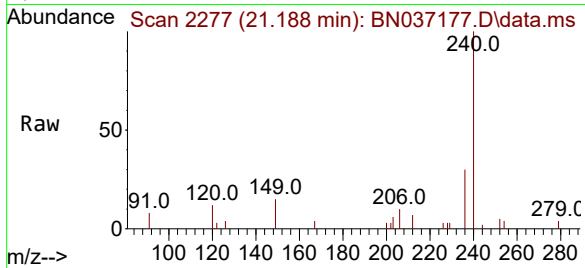
Tgt Ion:240 Resp: 3309

Ion Ratio Lower Upper

240 100

120 12.2 9.0 13.4

236 30.1 23.0 34.4



#31

Terphenyl-d14

Concen: 0.439 ng

RT: 19.630 min Scan# 2064

Delta R.T. -0.005 min

Lab File: BN037177.D

Acq: 05 Jun 2025 12:44

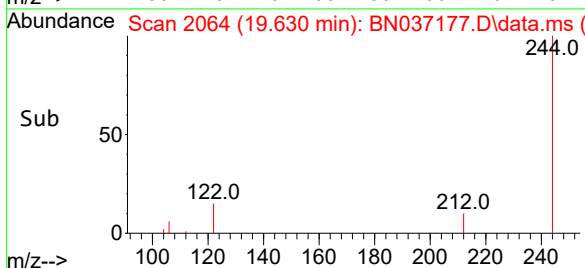
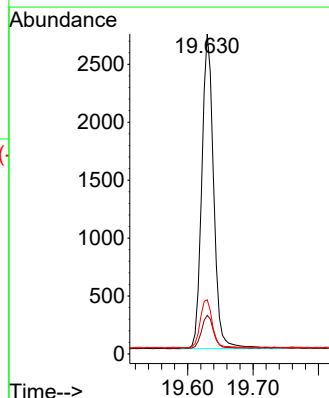
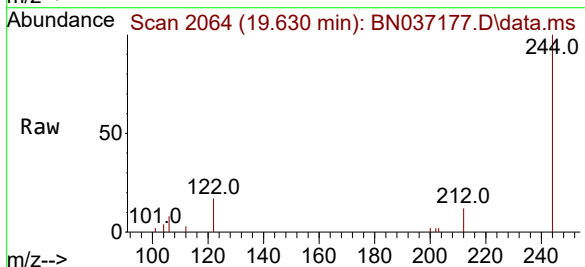
Tgt Ion:244 Resp: 3420

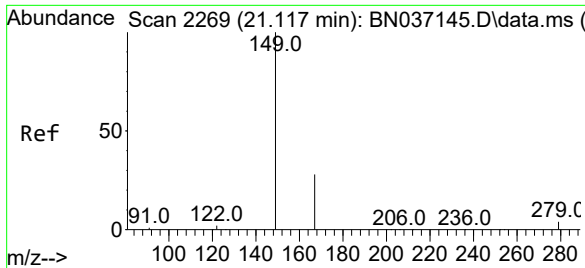
Ion Ratio Lower Upper

244 100

212 12.1 10.0 15.0

122 16.9 13.2 19.8

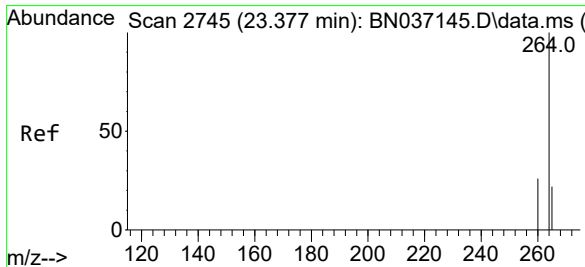
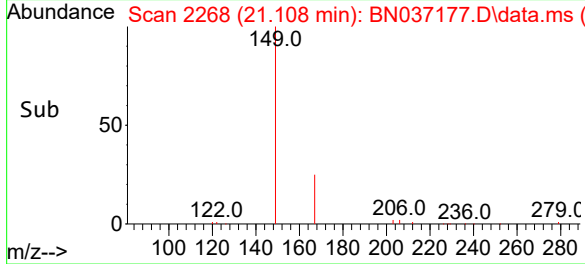
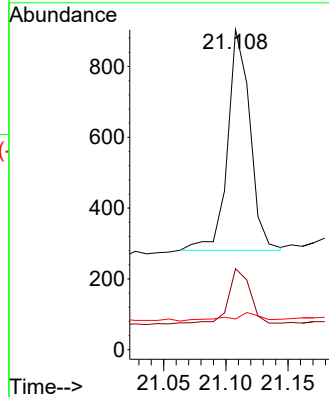
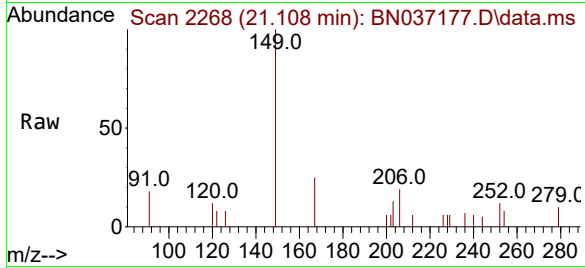




#34
Bis(2-ethylhexyl)phthalate
Concen: 0.103 ng
RT: 21.108 min Scan# 21108
Delta R.T. -0.009 min
Lab File: BN037177.D
Acq: 05 Jun 2025 12:44

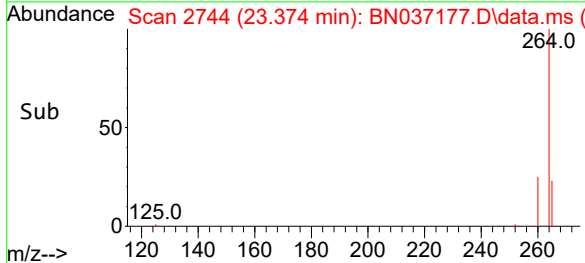
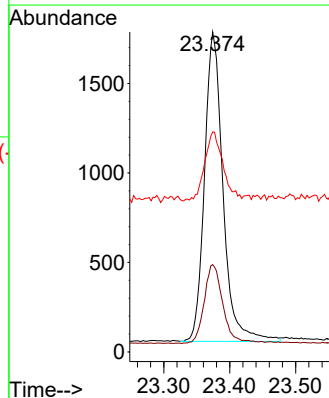
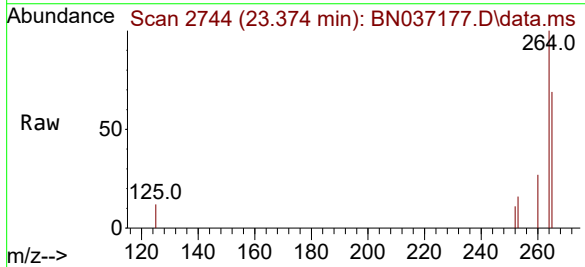
Instrument :
BNA_N
ClientSampleId :
RMW-02B-66-060325

Tgt Ion:149 Resp: 778
Ion Ratio Lower Upper
149 100
167 23.0 21.0 31.4
279 5.5 2.9 4.3#



#35
Perylene-d12
Concen: 0.400 ng
RT: 23.374 min Scan# 2744
Delta R.T. -0.003 min
Lab File: BN037177.D
Acq: 05 Jun 2025 12:44

Tgt Ion:264 Resp: 3372
Ion Ratio Lower Upper
264 100
260 27.3 22.1 33.1
265 68.7 55.8 83.8



Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN060525\
 Data File : BN037183.D
 Acq On : 05 Jun 2025 16:57
 Operator : RC/JU
 Sample : Q2200-01DL 10X
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 RMW-02B-66-060325DL

A
B
C
D
E
F
G
H
I
J
K

Quant Time: Jun 05 17:32:56 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)

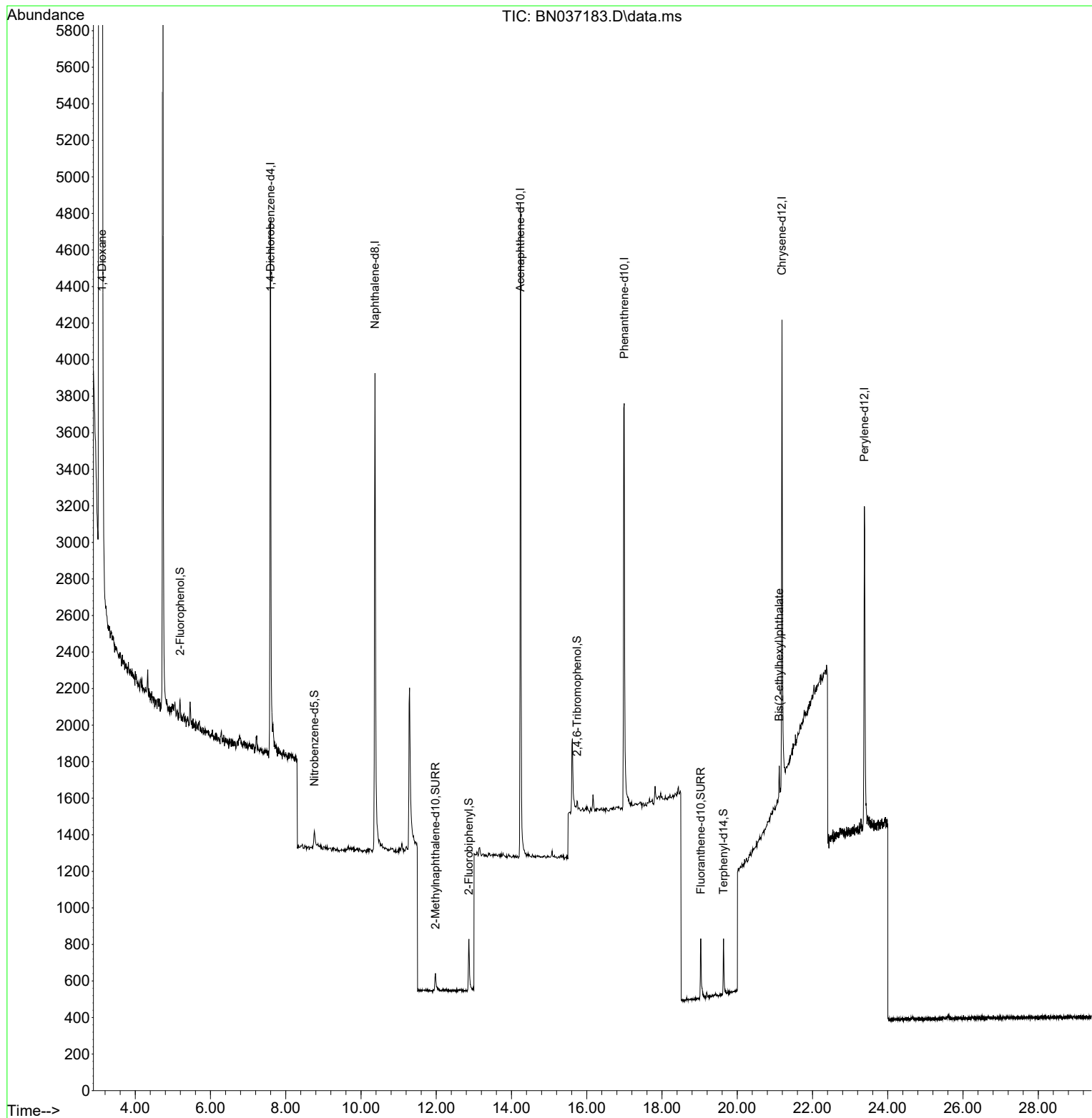
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.597	152	1563	0.400	ng	0.00
7) Naphthalene-d8	10.372	136	4019	0.400	ng	0.00
13) Acenaphthene-d10	14.235	164	2284	0.400	ng	0.00
19) Phenanthrene-d10	16.996	188	4264	0.400	ng	# 0.01
29) Chrysene-d12	21.189	240	2795	0.400	ng	# 0.00
35) Perylene-d12	23.380	264	2507	0.400	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.192	112	82	0.021	ng	0.00
5) Phenol-d6	6.781	99	60	0.013	ng	0.00
8) Nitrobenzene-d5	8.760	82	127	0.030	ng	0.02
11) 2-Methylnaphthalene-d10	11.981	152	186	0.033	ng	0.01
14) 2,4,6-Tribromophenol	15.743	330	45	0.049	ng	0.00
15) 2-Fluorobiphenyl	12.868	172	364	0.037	ng	0.00
27) Fluoranthene-d10	19.031	212	456	0.042	ng	0.00
31) Terphenyl-d14	19.635	244	341	0.052	ng	0.00
Target Compounds						
2) 1,4-Dioxane	3.119	88	5066	2.432	ng	97
34) Bis(2-ethylhexyl)phtha...	21.117	149	247	0.039	ng	# 75

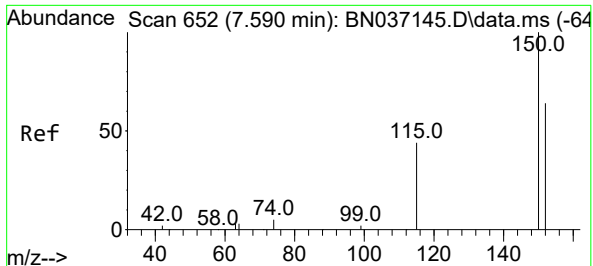
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN060525\
Data File : BN037183.D
Acq On : 05 Jun 2025 16:57
Operator : RC/JU
Sample : Q2200-01DL 10X
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
RMW-02B-66-060325DL

Quant Time: Jun 05 17:32:56 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

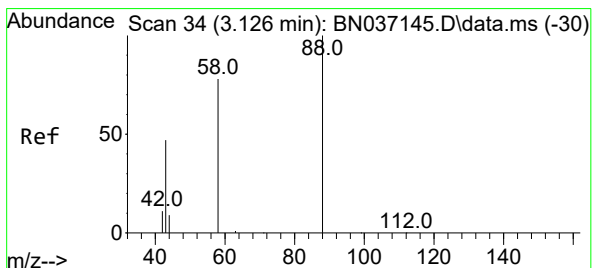
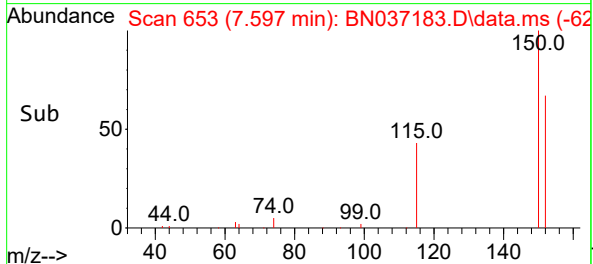
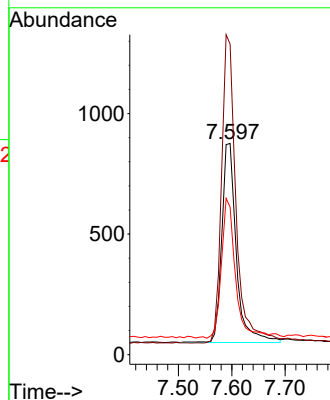
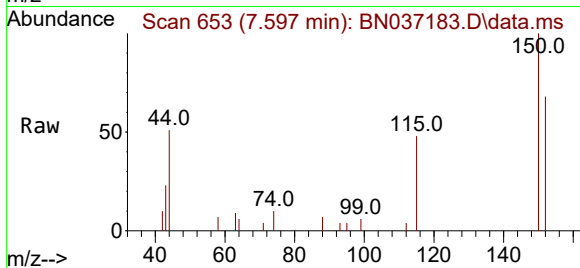




#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.597 min Scan# 61
Delta R.T. 0.007 min
Lab File: BN037183.D
Acq: 05 Jun 2025 16:57

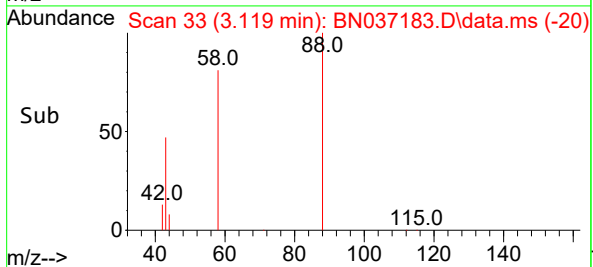
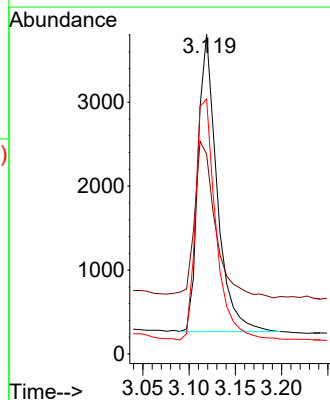
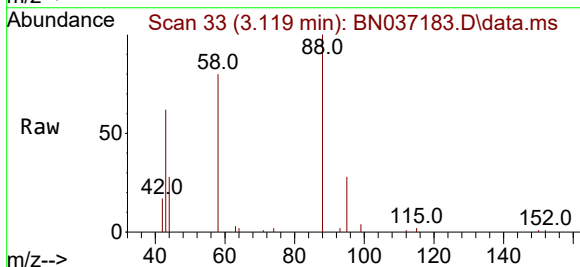
Instrument :
BNA_N
ClientSampleId :
RMW-02B-66-060325DL

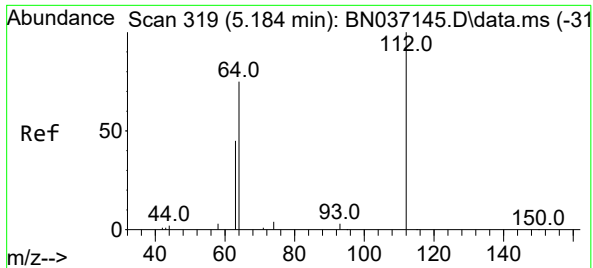
Tgt Ion:152 Resp: 1563
Ion Ratio Lower Upper
152 100
150 147.0 123.2 184.8
115 69.9 56.6 85.0



#2
1,4-Dioxane
Concen: 2.432 ng
RT: 3.119 min Scan# 33
Delta R.T. -0.007 min
Lab File: BN037183.D
Acq: 05 Jun 2025 16:57

Tgt Ion: 88 Resp: 5066
Ion Ratio Lower Upper
88 100
43 58.4 43.5 65.3
58 85.8 67.7 101.5

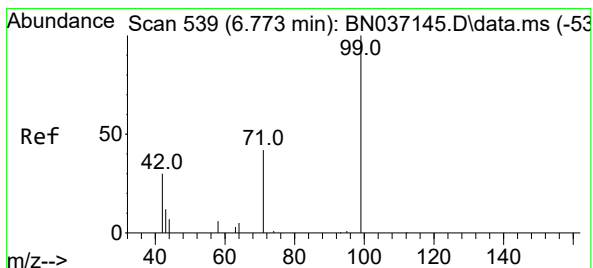
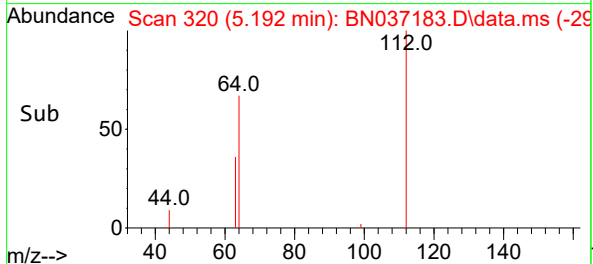
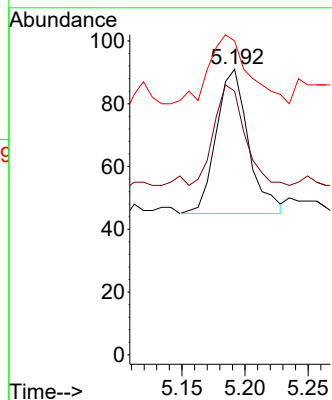
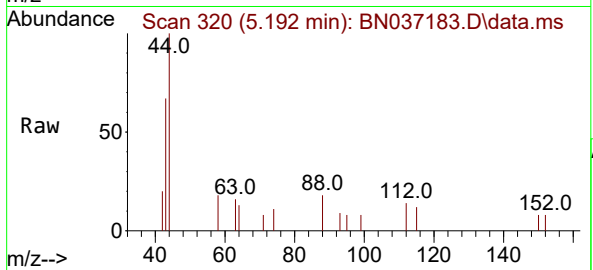




#4
2-Fluorophenol
Concen: 0.021 ng
RT: 5.192 min Scan# 319
Delta R.T. 0.007 min
Lab File: BN037183.D
Acq: 05 Jun 2025 16:57

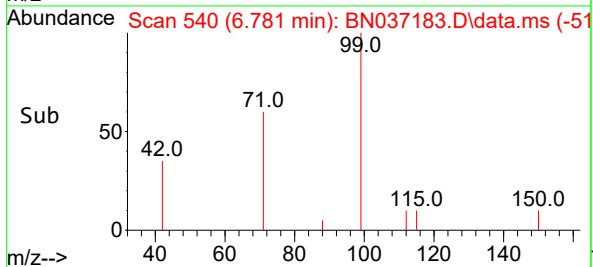
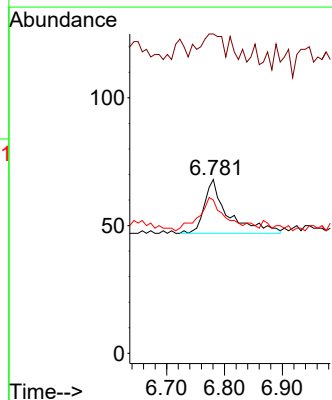
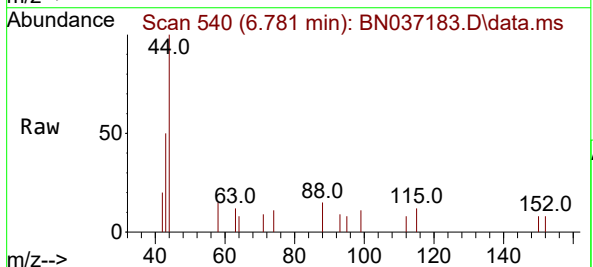
Instrument :
BNA_N
ClientSampleId :
RMW-02B-66-060325DL

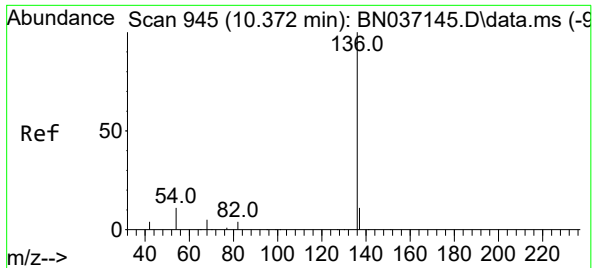
Tgt Ion:112 Resp: 82
Ion Ratio Lower Upper
112 100
64 72.0 56.3 84.5
63 57.3 36.2 54.4#



#5
Phenol-d6
Concen: 0.013 ng
RT: 6.781 min Scan# 540
Delta R.T. 0.007 min
Lab File: BN037183.D
Acq: 05 Jun 2025 16:57

Tgt Ion: 99 Resp: 60
Ion Ratio Lower Upper
99 100
42 41.7 31.3 46.9
71 63.3 38.2 57.2#

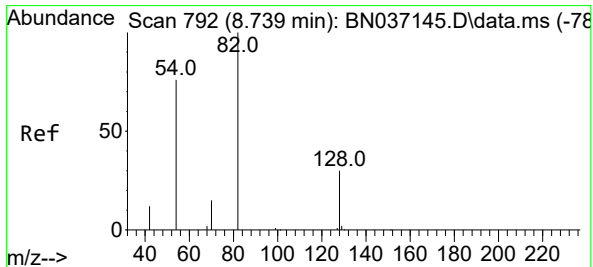
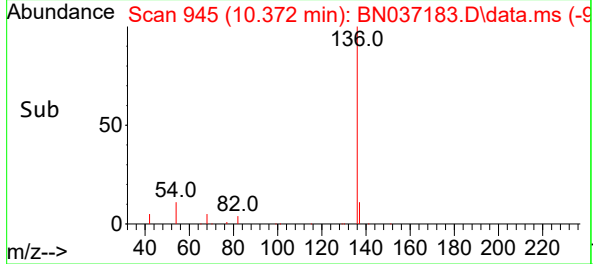
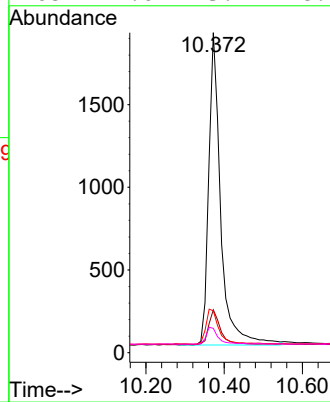
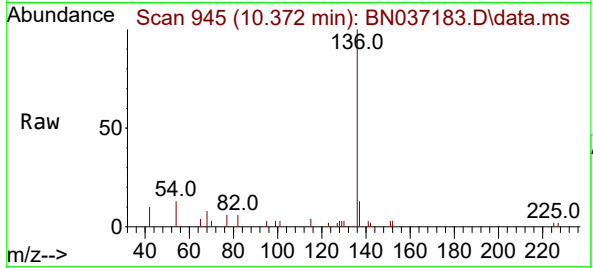




#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.372 min Scan# 945
Delta R.T. -0.000 min
Lab File: BN037183.D
Acq: 05 Jun 2025 16:57

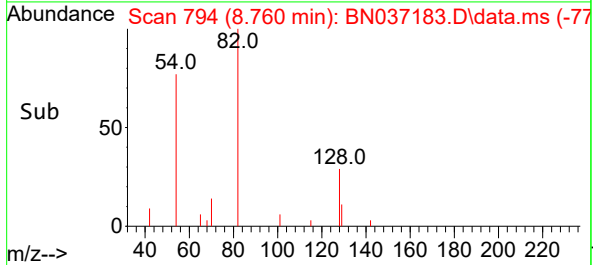
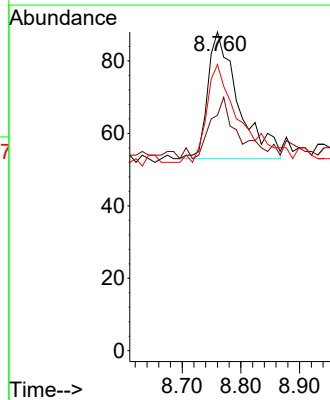
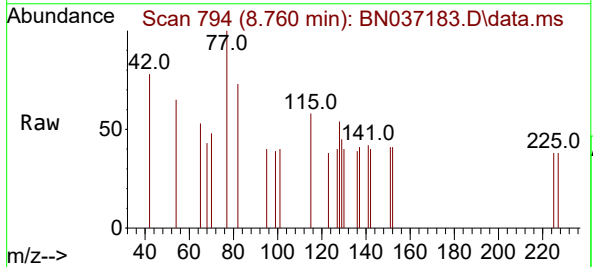
Instrument :
BNA_N
ClientSampleId :
RMW-02B-66-060325DL

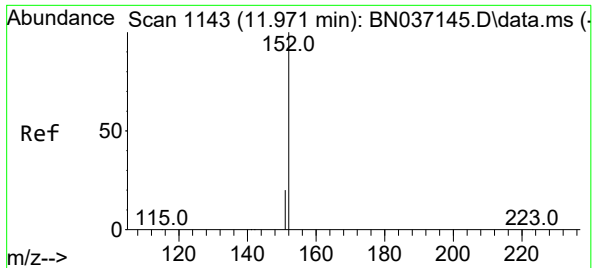
Tgt Ion:	136	Resp:	4019
Ion	Ratio	Lower	Upper
136	100		
137	13.4	9.7	14.5
54	13.1	9.7	14.5
68	7.6	5.4	8.2



#8
Nitrobenzene-d5
Concen: 0.030 ng
RT: 8.760 min Scan# 794
Delta R.T. 0.021 min
Lab File: BN037183.D
Acq: 05 Jun 2025 16:57

Tgt Ion:	82	Resp:	127
Ion	Ratio	Lower	Upper
82	100		
128	73.9	26.9	40.3#
54	89.8	61.4	92.2

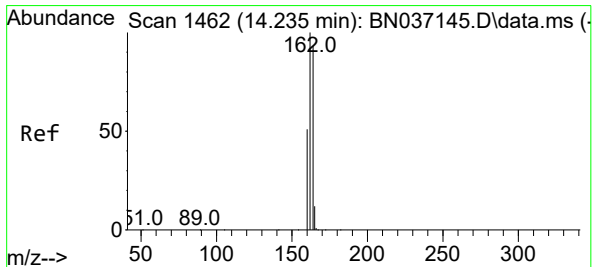
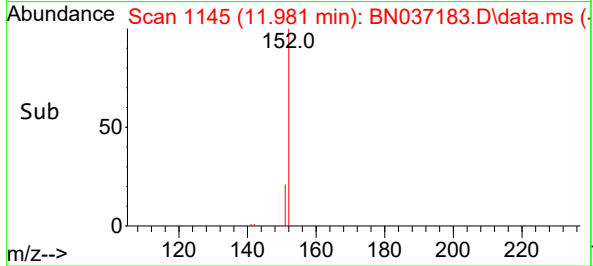
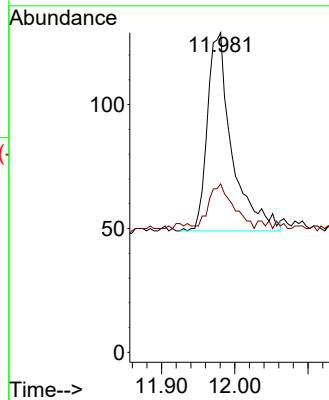
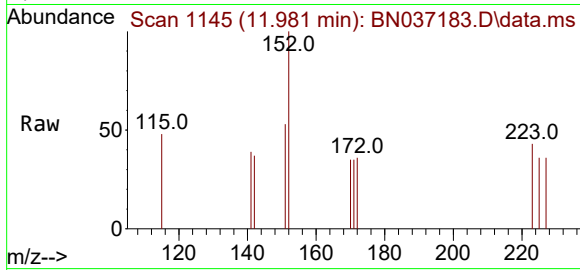




#11
2-Methylnaphthalene-d10
Concen: 0.033 ng
RT: 11.981 min Scan# 1145
Delta R.T. 0.010 min
Lab File: BN037183.D
Acq: 05 Jun 2025 16:57

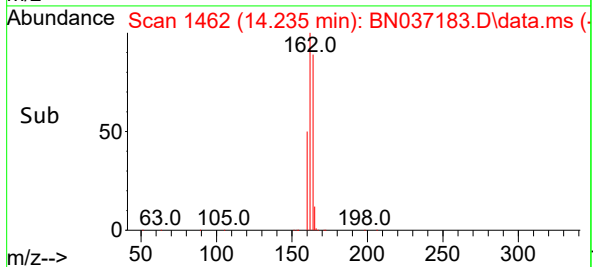
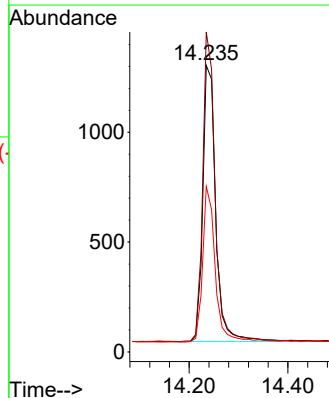
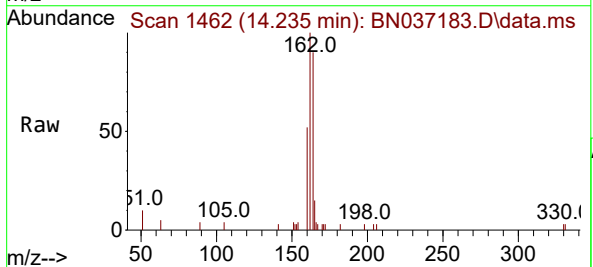
Instrument :
BNA_N
ClientSampleId :
RMW-02B-66-060325DL

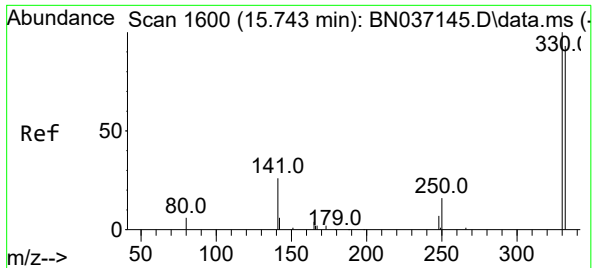
Tgt Ion:152 Resp: 186
Ion Ratio Lower Upper
152 100
151 23.1 17.1 25.7



#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.235 min Scan# 1462
Delta R.T. -0.000 min
Lab File: BN037183.D
Acq: 05 Jun 2025 16:57

Tgt Ion:164 Resp: 2284
Ion Ratio Lower Upper
164 100
162 111.6 85.5 128.3
160 57.8 44.6 67.0

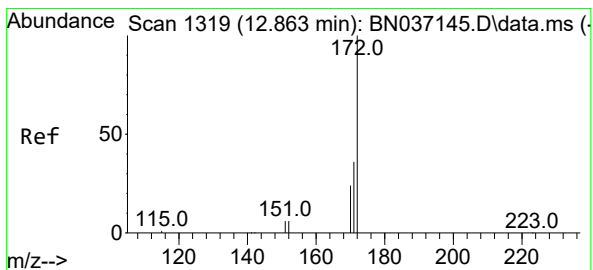
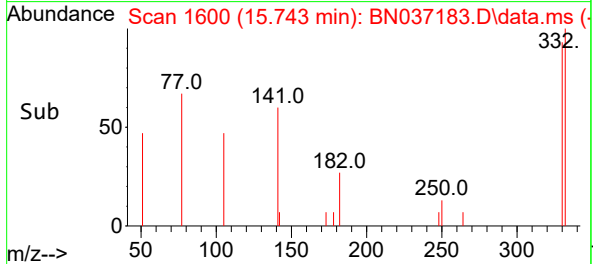
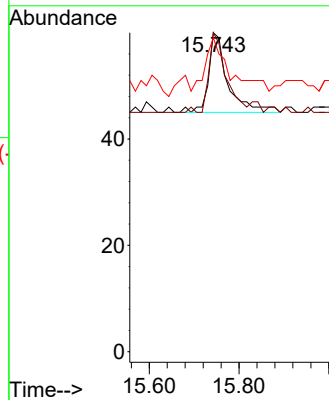
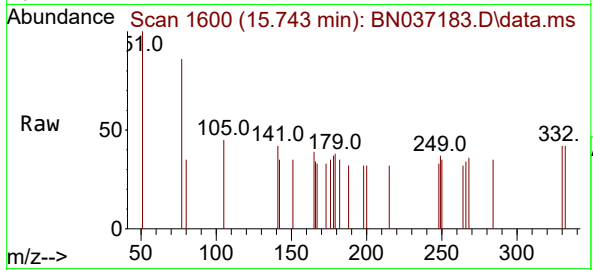




#14
2,4,6-Tribromophenol
Concen: 0.049 ng
RT: 15.743 min Scan# 1
Delta R.T. -0.000 min
Lab File: BN037183.D
Acq: 05 Jun 2025 16:57

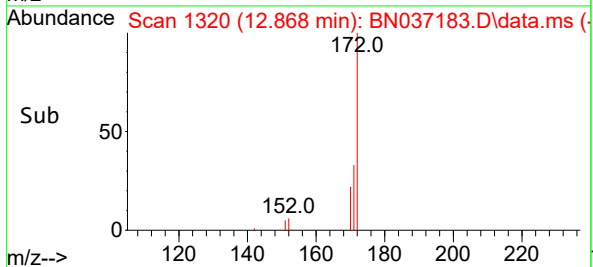
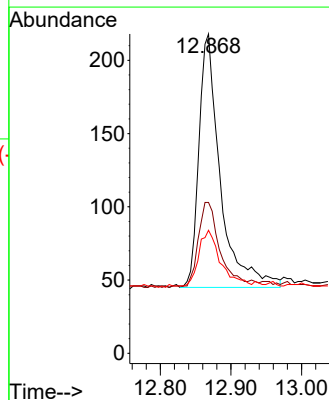
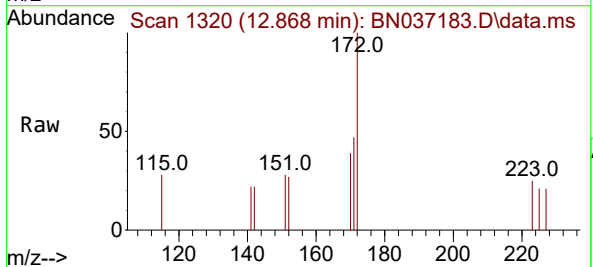
Instrument :
BNA_N
ClientSampleId :
RMW-02B-66-060325DL

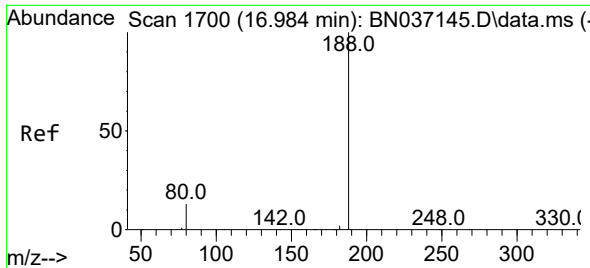
Tgt Ion:330 Resp: 45
Ion Ratio Lower Upper
330 100
332 86.7 77.1 115.7
141 71.1 46.4 69.6#



#15
2-Fluorobiphenyl
Concen: 0.037 ng
RT: 12.868 min Scan# 1320
Delta R.T. 0.005 min
Lab File: BN037183.D
Acq: 05 Jun 2025 16:57

Tgt Ion:172 Resp: 364
Ion Ratio Lower Upper
172 100
171 47.2 29.6 44.4#
170 38.5 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: BN037183.D

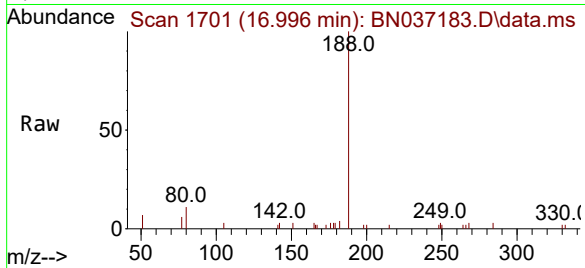
Acq: 05 Jun 2025 16:57

Instrument :

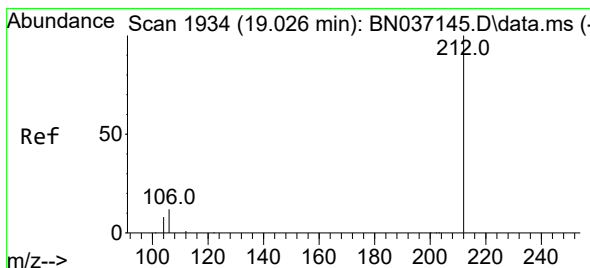
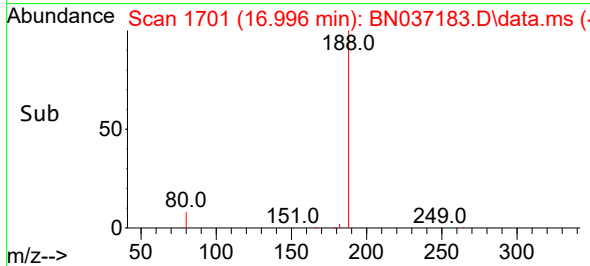
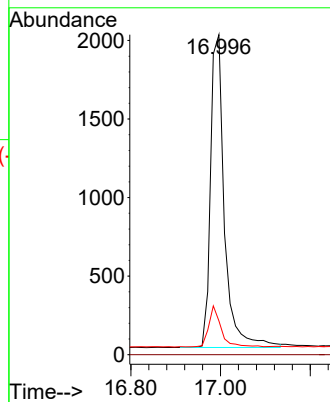
BNA_N

ClientSampleId :

RMW-02B-66-060325DL



Tgt Ion:	188	Resp:	4264
Ion Ratio	Lower	Upper	
188	100		
94	0.0	0.0	0.0
80	10.6	11.3	16.9#



#27

Fluoranthene-d10

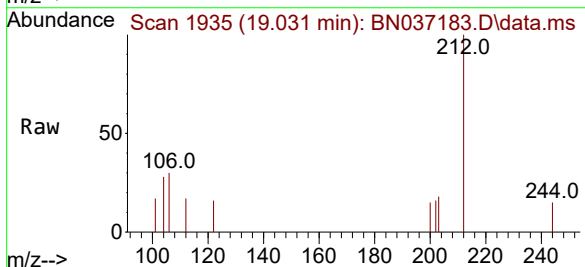
Concen: 0.042 ng

RT: 19.031 min Scan# 1935

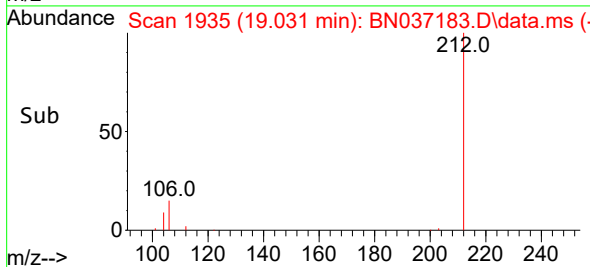
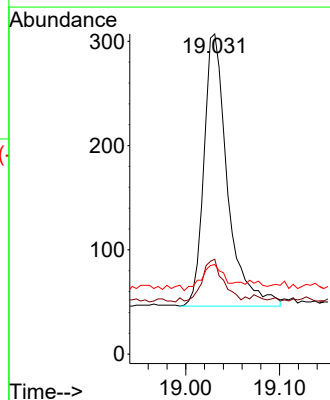
Delta R.T. 0.005 min

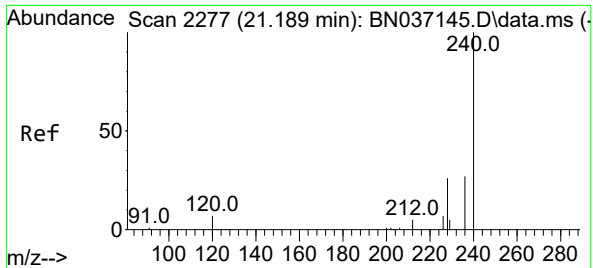
Lab File: BN037183.D

Acq: 05 Jun 2025 16:57



Tgt Ion:	212	Resp:	456
Ion Ratio	Lower	Upper	
212	100		
106	14.3	10.6	15.8
104	9.0	6.6	9.8





#29

Chrysene-d12

Concen: 0.400 ng

RT: 21.189 min Scan# 21

Delta R.T. -0.000 min

Lab File: BN037183.D

Acq: 05 Jun 2025 16:57

Instrument :

BNA_N

ClientSampleId :

RMW-02B-66-060325DL

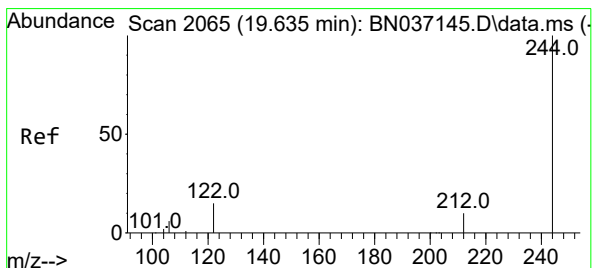
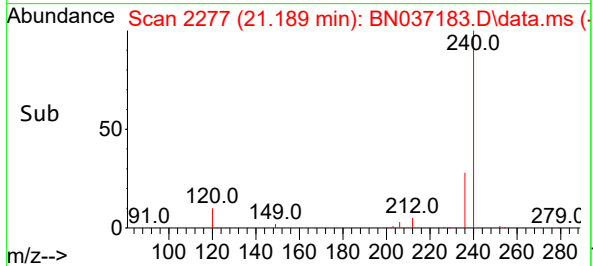
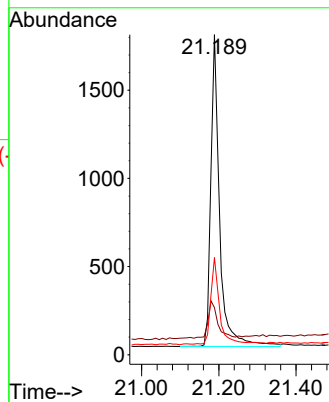
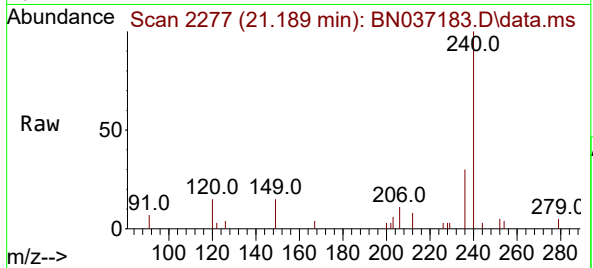
Tgt Ion:240 Resp: 2795

Ion Ratio Lower Upper

240 100

120 14.7 9.0 13.4#

236 30.4 23.0 34.4



#31

Terphenyl-d14

Concen: 0.052 ng

RT: 19.635 min Scan# 2065

Delta R.T. -0.000 min

Lab File: BN037183.D

Acq: 05 Jun 2025 16:57

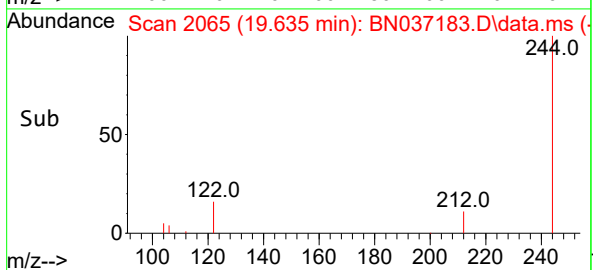
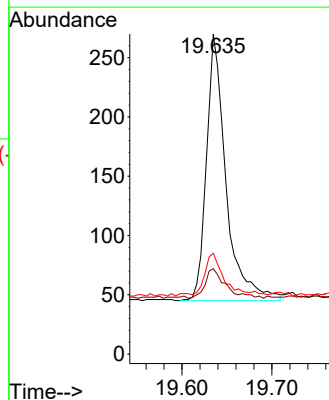
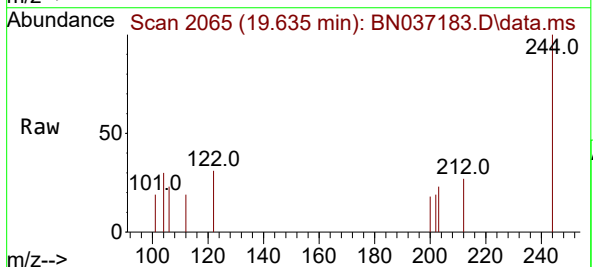
Tgt Ion:244 Resp: 341

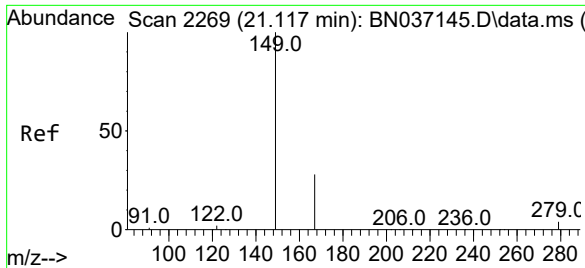
Ion Ratio Lower Upper

244 100

212 26.7 10.0 15.0#

122 31.5 13.2 19.8#

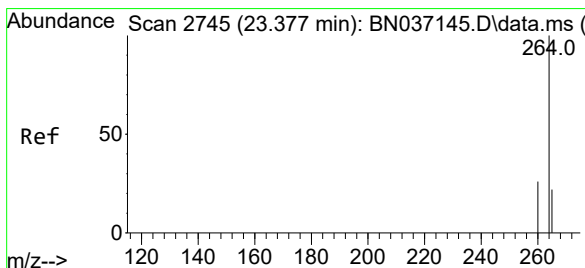
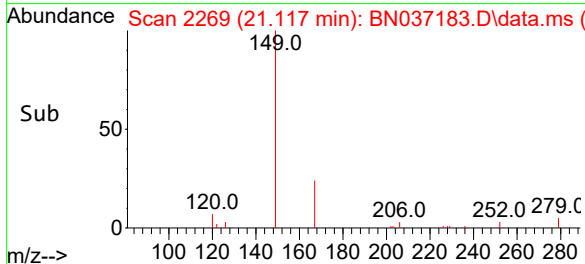
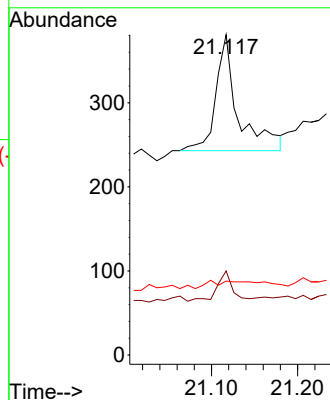
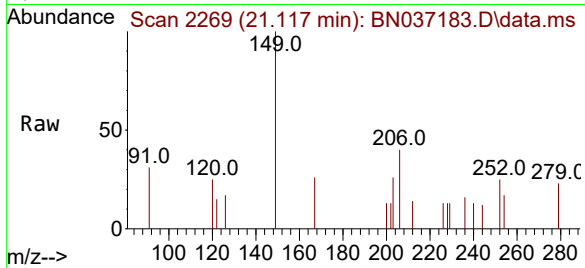




#34
Bis(2-ethylhexyl)phthalate
Concen: 0.039 ng
RT: 21.117 min Scan# 2117
Delta R.T. -0.000 min
Lab File: BN037183.D
Acq: 05 Jun 2025 16:57

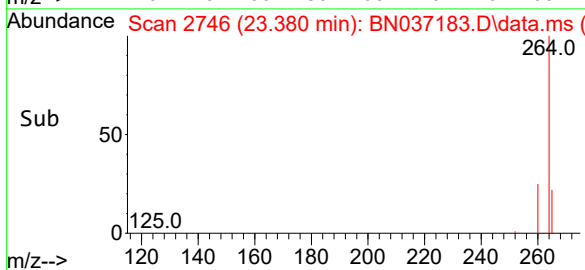
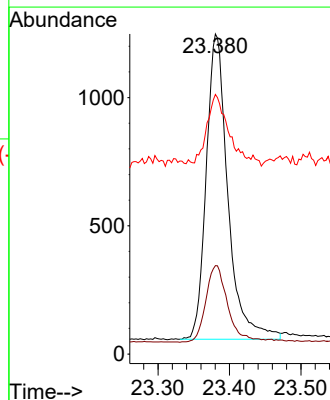
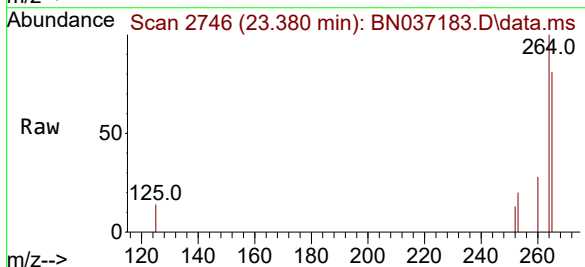
Instrument :
BNA_N
ClientSampleId :
RMW-02B-66-060325DL

Tgt Ion:149 Resp: 247
Ion Ratio Lower Upper
149 100
167 12.6 21.0 31.4#
279 7.7 2.9 4.3#



#35
Perylene-d12
Concen: 0.400 ng
RT: 23.380 min Scan# 2746
Delta R.T. 0.003 min
Lab File: BN037183.D
Acq: 05 Jun 2025 16:57

Tgt Ion:264 Resp: 2507
Ion Ratio Lower Upper
264 100
260 27.6 22.1 33.1
265 81.1 55.8 83.8



Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN060525\
 Data File : BN037178.D
 Acq On : 05 Jun 2025 13:20
 Operator : RC/JU
 Sample : Q2200-02
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 RMW-03B-90-060325

A
B
C
D
E
F
G
H
I
J
K

Quant Time: Jun 05 14:09:12 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)

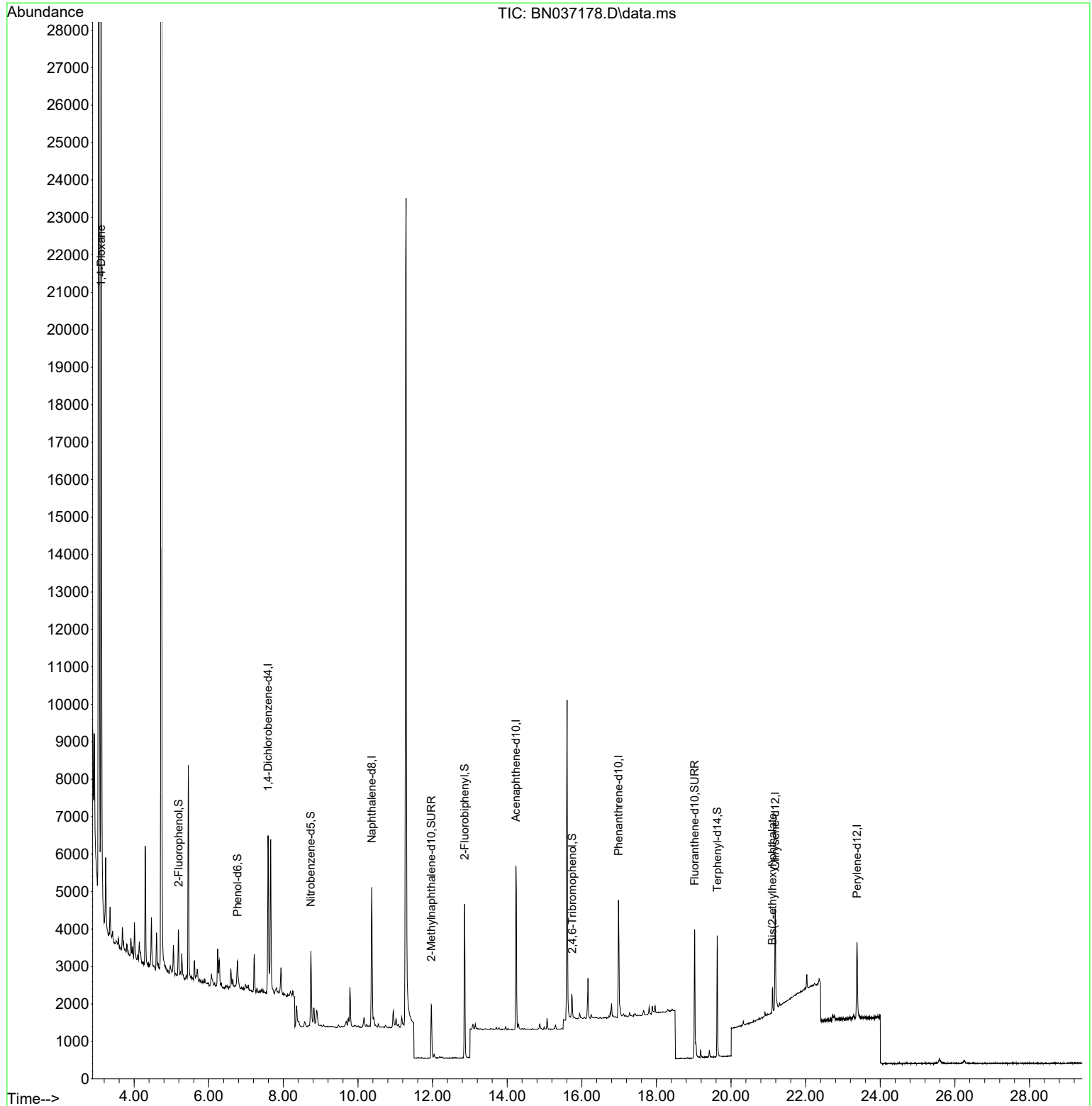
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.589	152	1903	0.400	ng	0.00
7) Naphthalene-d8	10.372	136	4873	0.400	ng	0.00
13) Acenaphthene-d10	14.235	164	2514	0.400	ng	0.00
19) Phenanthrene-d10	16.984	188	4282	0.400	ng	0.00
29) Chrysene-d12	21.189	240	2888	0.400	ng	0.00
35) Perylene-d12	23.377	264	2734	0.400	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.192	112	806	0.171	ng	0.00
5) Phenol-d6	6.773	99	603	0.106	ng	0.00
8) Nitrobenzene-d5	8.739	82	1605	0.312	ng	0.00
11) 2-Methylnaphthalene-d10	11.966	152	1998	0.295	ng	0.00
14) 2,4,6-Tribromophenol	15.743	330	377	0.372	ng	0.00
15) 2-Fluorobiphenyl	12.858	172	3476	0.324	ng	0.00
27) Fluoranthene-d10	19.026	212	3980	0.366	ng	0.00
31) Terphenyl-d14	19.630	244	3083	0.454	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.119	88	15673	6.179	ng	96
34) Bis(2-ethylhexyl)phtha...	21.108	149	683	0.104	ng	# 98

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

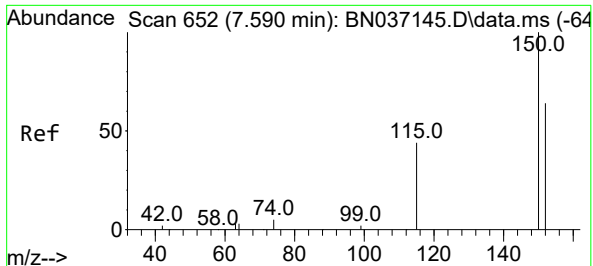
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN060525\
Data File : BN037178.D
Acq On : 05 Jun 2025 13:20
Operator : RC/JU
Sample : Q2200-02
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
RMW-03B-90-060325

Quant Time: Jun 05 14:09:12 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



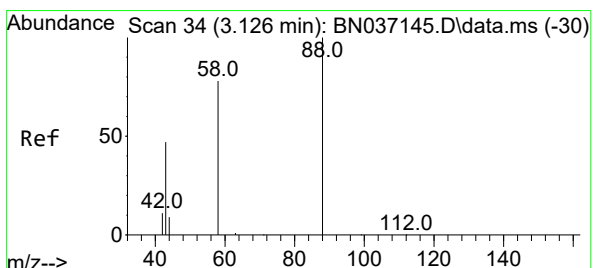
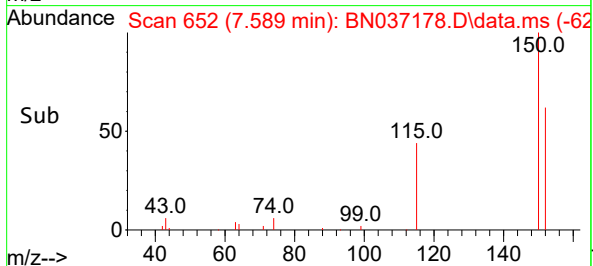
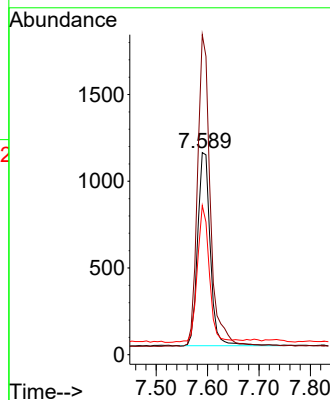
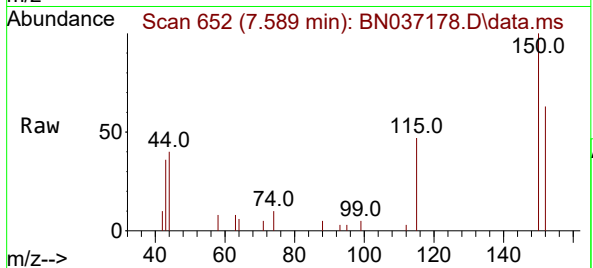
A
B
C
D
E
F
G
H
I
J
K



#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.589 min Scan# 61
Delta R.T. -0.001 min
Lab File: BN037178.D
Acq: 05 Jun 2025 13:20

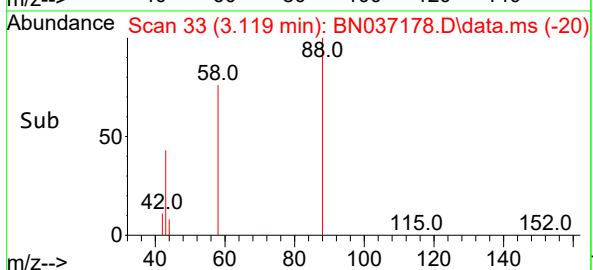
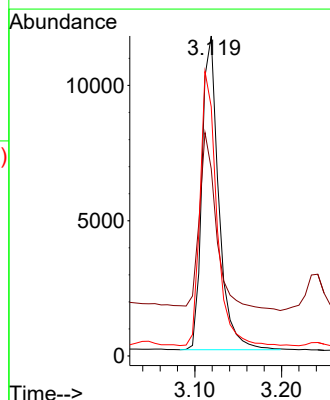
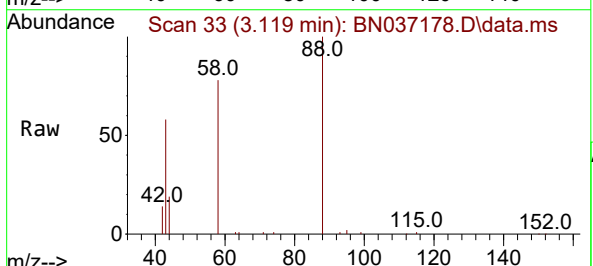
Instrument :
BNA_N
ClientSampleId :
RMW-03B-90-060325

Tgt Ion:152 Resp: 1903
Ion Ratio Lower Upper
152 100
150 158.4 123.2 184.8
115 73.8 56.6 85.0

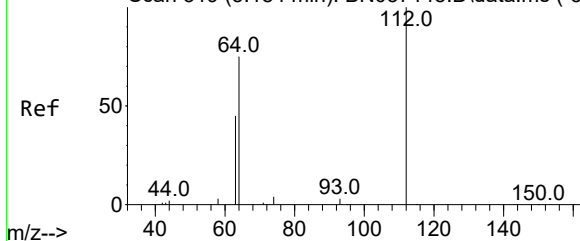


#2
1,4-Dioxane
Concen: 6.179 ng
RT: 3.119 min Scan# 33
Delta R.T. -0.007 min
Lab File: BN037178.D
Acq: 05 Jun 2025 13:20

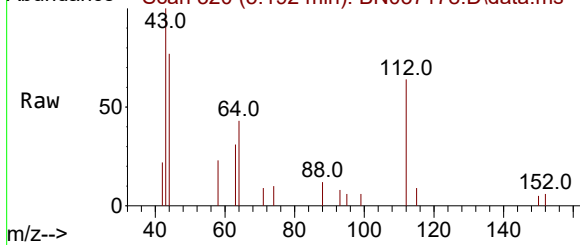
Tgt Ion: 88 Resp: 15673
Ion Ratio Lower Upper
88 100
43 58.2 43.5 65.3
58 86.8 67.7 101.5



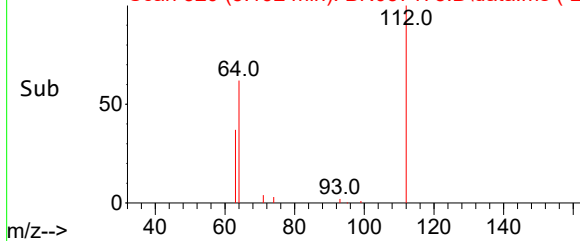
Abundance Scan 319 (5.184 min): BN037145.D\data.ms (-31



Abundance Scan 320 (5.192 min): BN037178.D\data.ms



Abundance Scan 320 (5.192 min): BN037178.D\data.ms (-29



#4

2-Fluorophenol

Concen: 0.171 ng

RT: 5.192 min Scan# 319

Delta R.T. 0.007 min

Lab File: BN037178.D

Acq: 05 Jun 2025 13:20

Instrument :

BNA_N

ClientSampleId :

RMW-03B-90-060325

Tgt Ion:112 Resp: 806

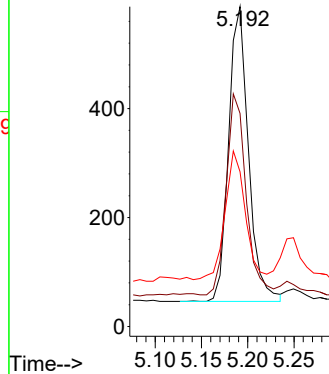
Ion Ratio Lower Upper

112 100

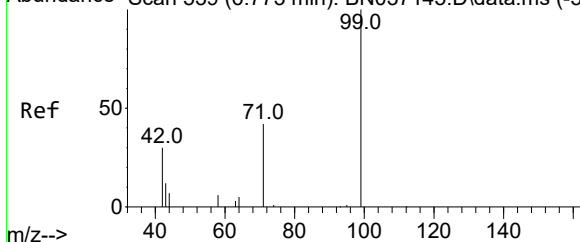
64 69.1 56.3 84.5

63 45.2 36.2 54.4

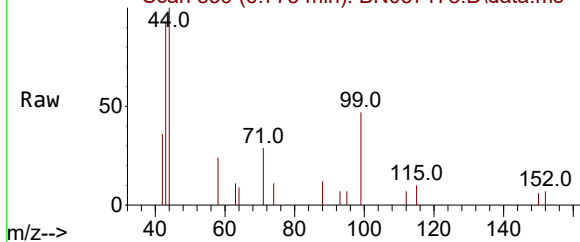
Abundance



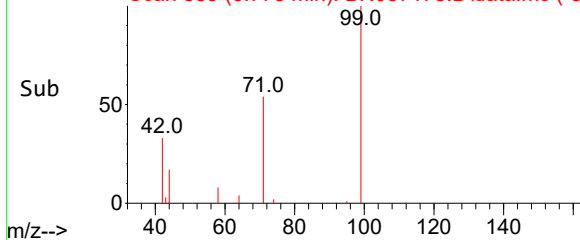
Abundance Scan 539 (6.773 min): BN037145.D\data.ms (-53



Abundance Scan 539 (6.773 min): BN037178.D\data.ms



Abundance Scan 539 (6.773 min): BN037178.D\data.ms (-51



#5

Phenol-d6

Concen: 0.106 ng

RT: 6.773 min Scan# 539

Delta R.T. -0.000 min

Lab File: BN037178.D

Acq: 05 Jun 2025 13:20

Tgt Ion: 99 Resp: 603

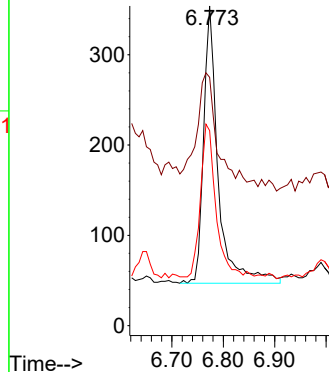
Ion Ratio Lower Upper

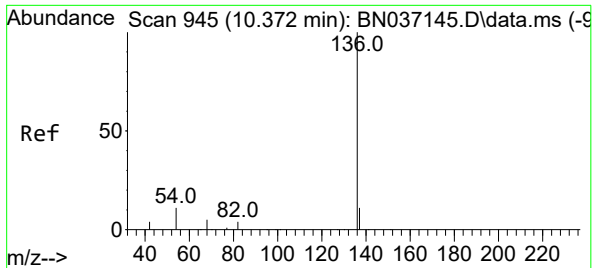
99 100

42 59.4 31.3 46.9#

71 58.2 38.2 57.2#

Abundance

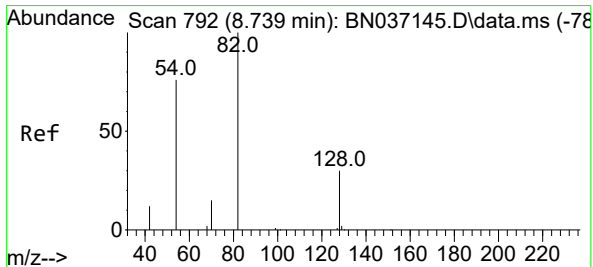
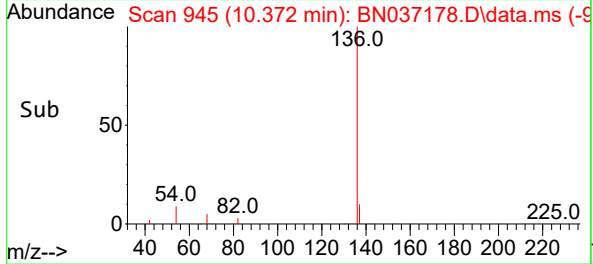
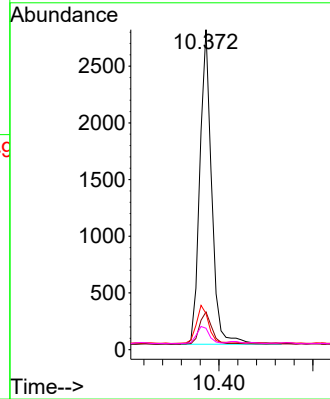
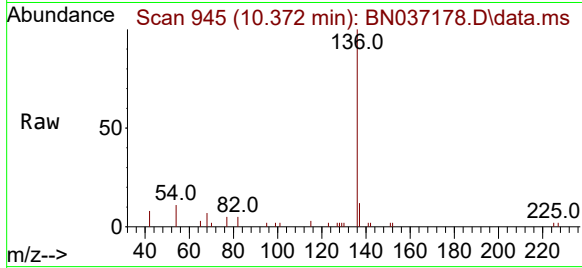




#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.372 min Scan# 945
Delta R.T. -0.000 min
Lab File: BN037178.D
Acq: 05 Jun 2025 13:20

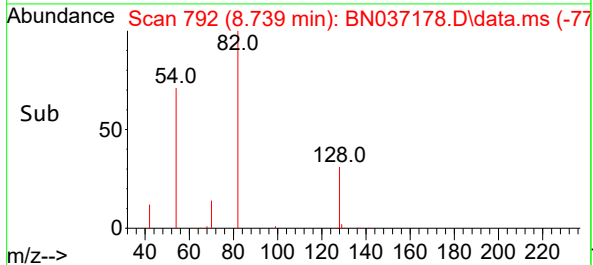
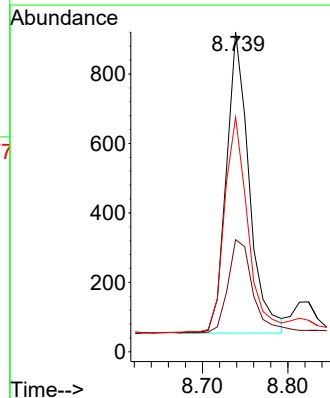
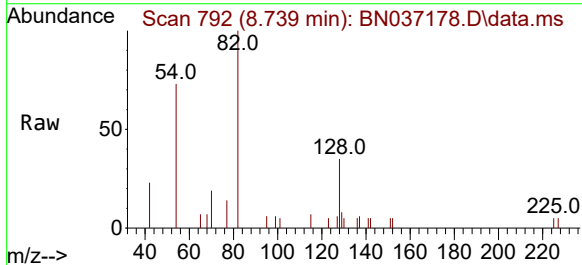
Instrument :
BNA_N
ClientSampleId :
RMW-03B-90-060325

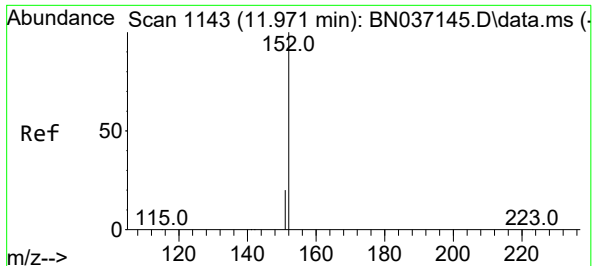
Tgt Ion:	136	Resp:	4873
Ion	Ratio	Lower	Upper
136	100		
137	11.8	9.7	14.5
54	11.3	9.7	14.5
68	6.7	5.4	8.2



#8
Nitrobenzene-d5
Concen: 0.312 ng
RT: 8.739 min Scan# 792
Delta R.T. -0.000 min
Lab File: BN037178.D
Acq: 05 Jun 2025 13:20

Tgt Ion:	82	Resp:	1605
Ion	Ratio	Lower	Upper
82	100		
128	35.1	26.9	40.3
54	73.4	61.4	92.2

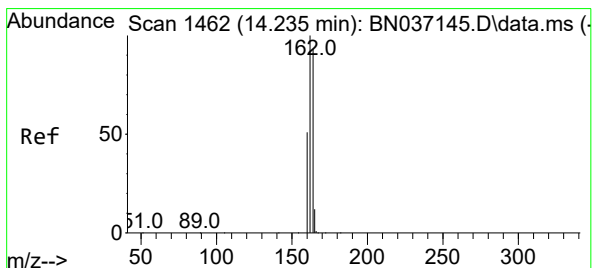
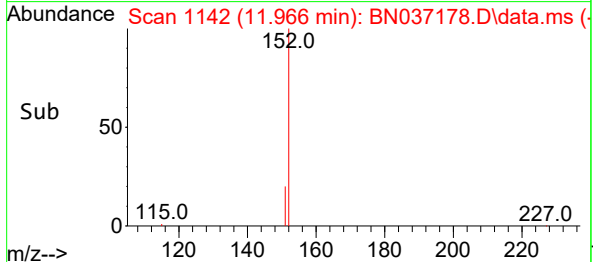
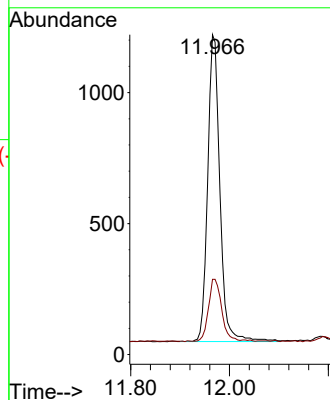
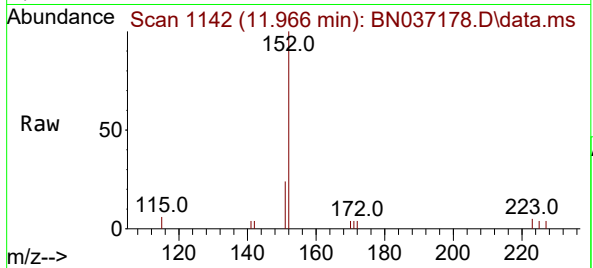




#11
2-Methylnaphthalene-d10
Concen: 0.295 ng
RT: 11.966 min Scan# 1142
Delta R.T. -0.005 min
Lab File: BN037178.D
Acq: 05 Jun 2025 13:20

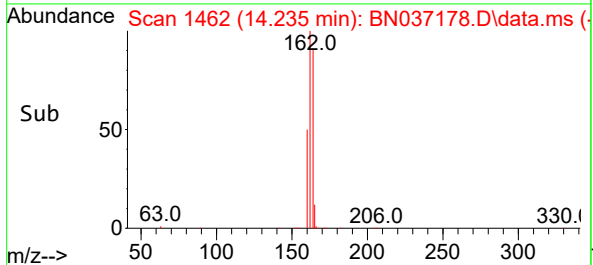
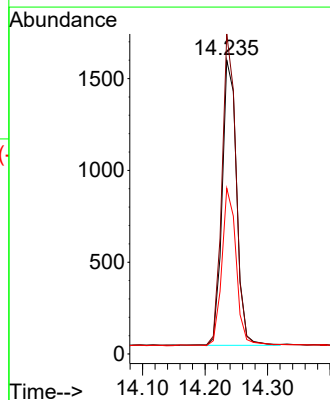
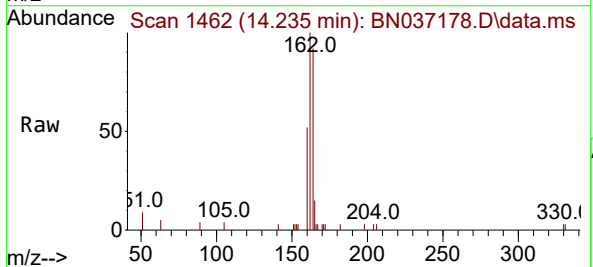
Instrument :
BNA_N
ClientSampleId :
RMW-03B-90-060325

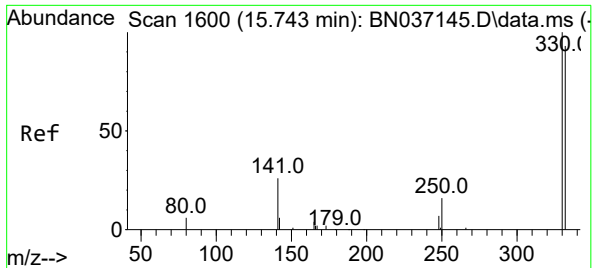
Tgt Ion:152 Resp: 1998
Ion Ratio Lower Upper
152 100
151 21.7 17.1 25.7



#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.235 min Scan# 1462
Delta R.T. -0.000 min
Lab File: BN037178.D
Acq: 05 Jun 2025 13:20

Tgt Ion:164 Resp: 2514
Ion Ratio Lower Upper
164 100
162 108.9 85.5 128.3
160 56.4 44.6 67.0

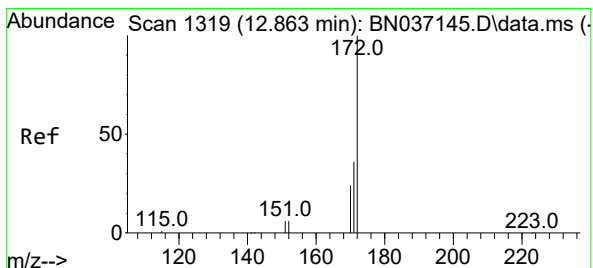
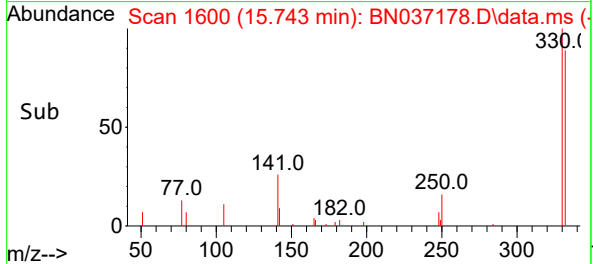
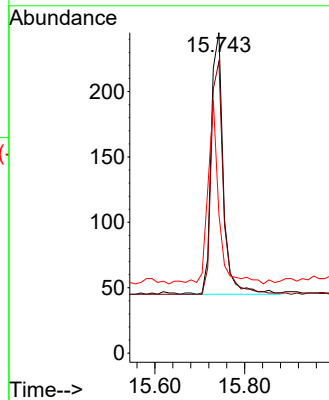
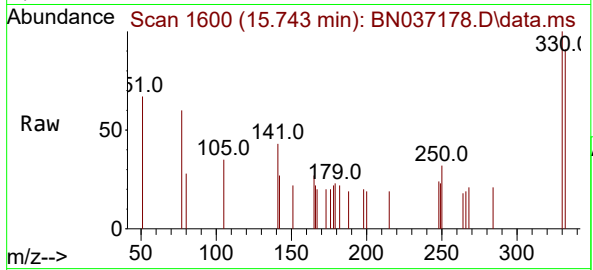




#14
2,4,6-Tribromophenol
Concen: 0.372 ng
RT: 15.743 min Scan# 1
Delta R.T. -0.000 min
Lab File: BN037178.D
Acq: 05 Jun 2025 13:20

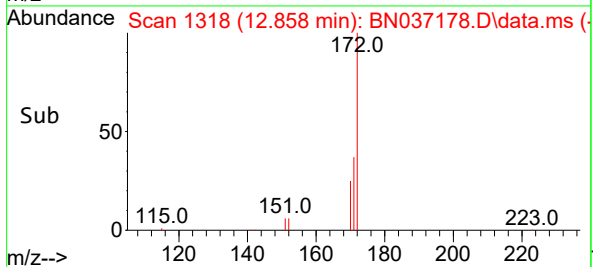
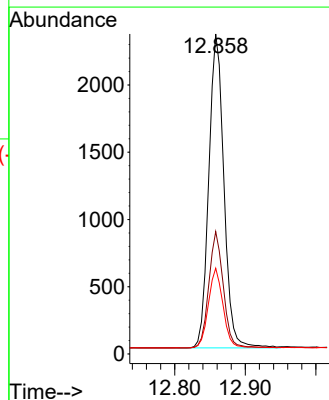
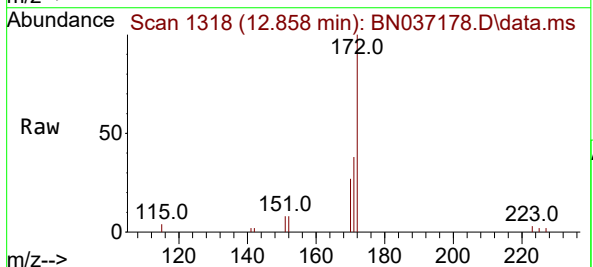
Instrument :
BNA_N
ClientSampleId :
RMW-03B-90-060325

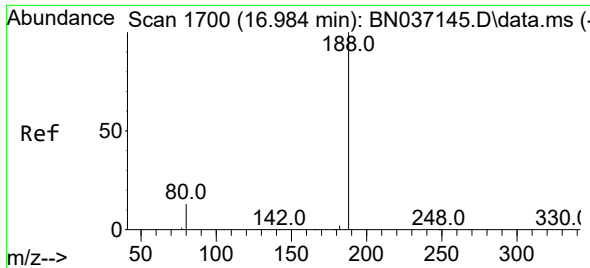
Tgt Ion:330 Resp: 377
Ion Ratio Lower Upper
330 100
332 89.4 77.1 115.7
141 62.6 46.4 69.6



#15
2-Fluorobiphenyl
Concen: 0.324 ng
RT: 12.858 min Scan# 1318
Delta R.T. -0.005 min
Lab File: BN037178.D
Acq: 05 Jun 2025 13:20

Tgt Ion:172 Resp: 3476
Ion Ratio Lower Upper
172 100
171 38.3 29.6 44.4
170 26.8 20.3 30.5

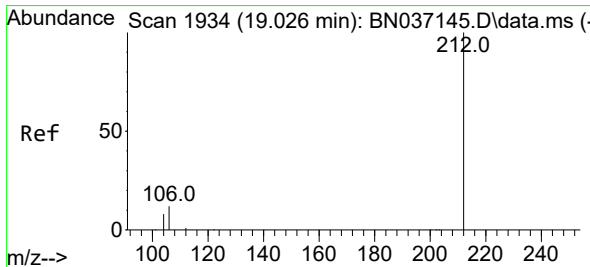
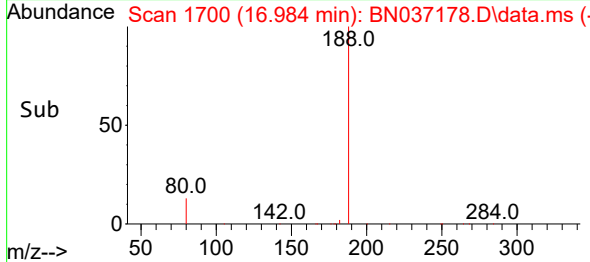
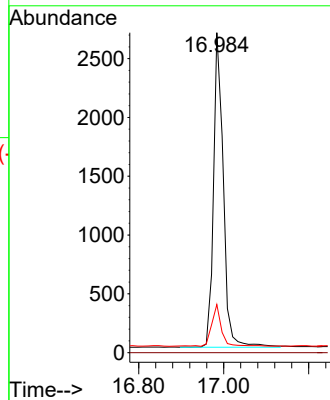
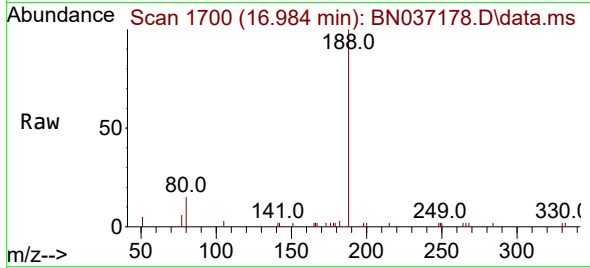




#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 16.984 min Scan# 1700
Delta R.T. -0.000 min
Lab File: BN037178.D
Acq: 05 Jun 2025 13:20

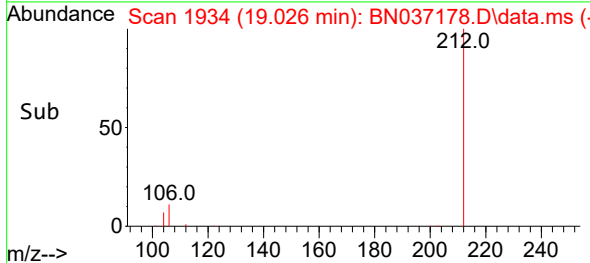
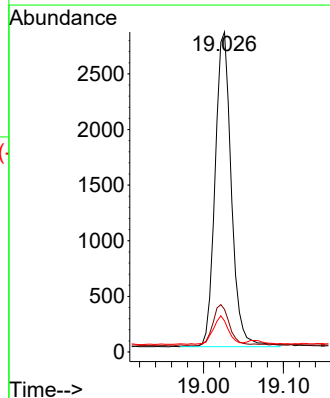
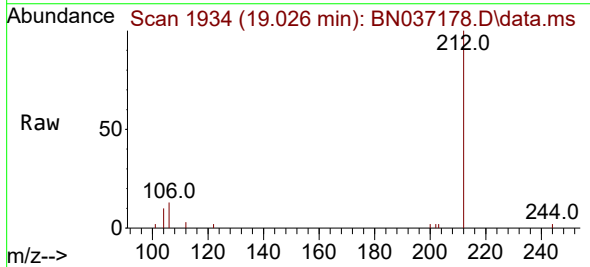
Instrument :
BNA_N
ClientSampleId :
RMW-03B-90-060325

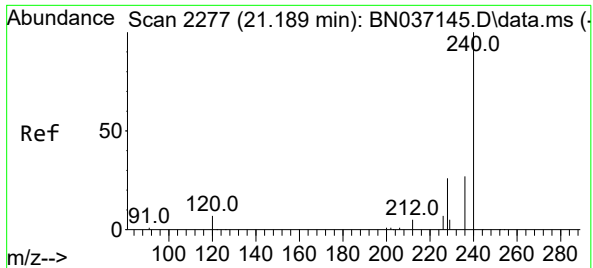
Tgt Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	15.0	11.3	16.9



#27
Fluoranthene-d10
Concen: 0.366 ng
RT: 19.026 min Scan# 1934
Delta R.T. -0.000 min
Lab File: BN037178.D
Acq: 05 Jun 2025 13:20

Tgt Ion	Ratio	Lower	Upper
212	100		
106	13.2	10.6	15.8
104	8.2	6.6	9.8





#29

Chrysene-d12

Concen: 0.400 ng

RT: 21.189 min Scan# 21

Delta R.T. -0.000 min

Lab File: BN037178.D

Acq: 05 Jun 2025 13:20

Instrument :

BNA_N

ClientSampleId :

RMW-03B-90-060325

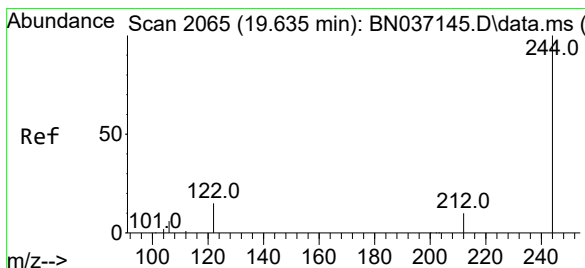
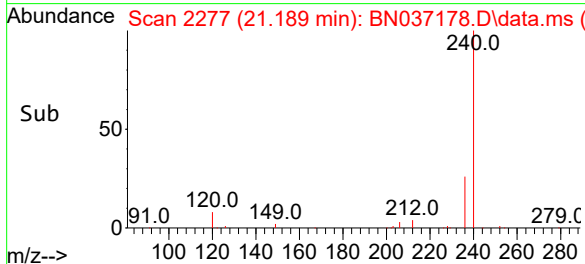
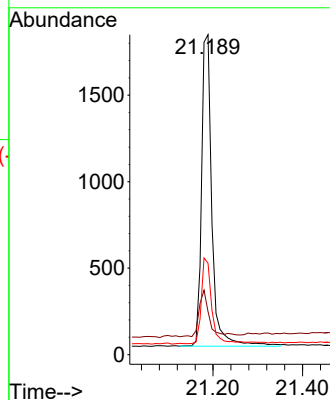
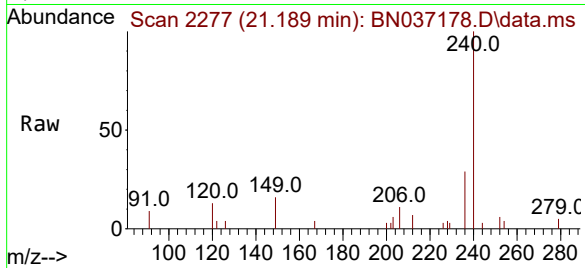
Tgt Ion:240 Resp: 2888

Ion Ratio Lower Upper

240 100

120 13.4 9.0 13.4

236 28.5 23.0 34.4



#31

Terphenyl-d14

Concen: 0.454 ng

RT: 19.630 min Scan# 2064

Delta R.T. -0.005 min

Lab File: BN037178.D

Acq: 05 Jun 2025 13:20

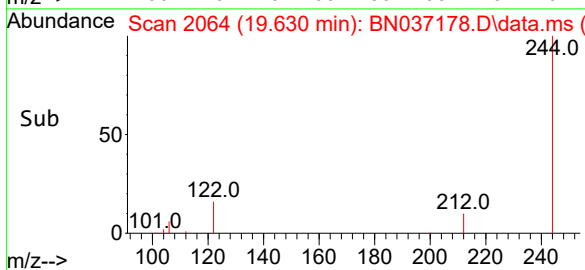
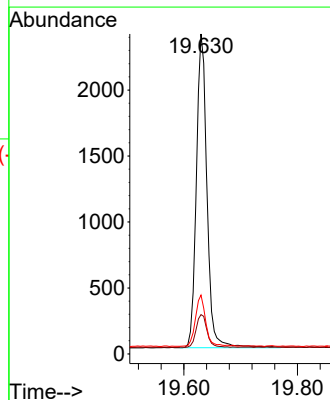
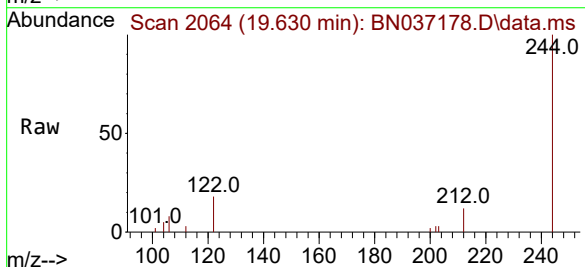
Tgt Ion:244 Resp: 3083

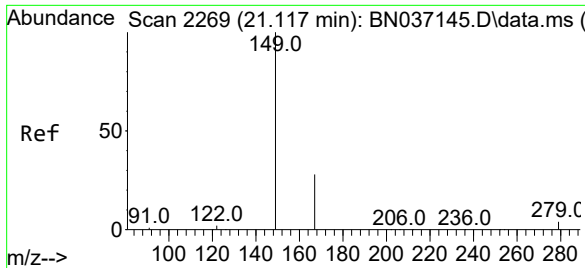
Ion Ratio Lower Upper

244 100

212 12.3 10.0 15.0

122 18.4 13.2 19.8

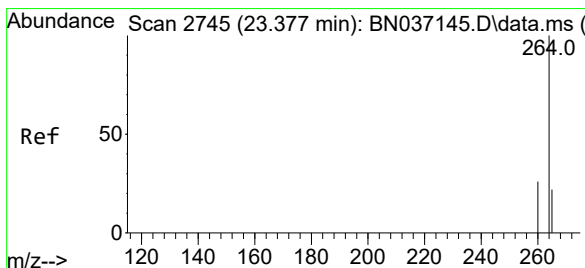
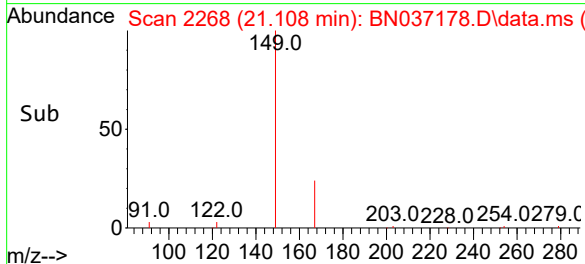
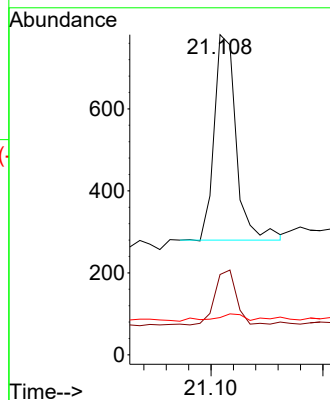
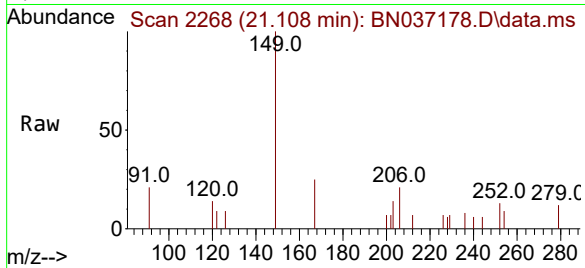




#34
Bis(2-ethylhexyl)phthalate
Concen: 0.104 ng
RT: 21.108 min Scan# 21108
Delta R.T. -0.009 min
Lab File: BN037178.D
Acq: 05 Jun 2025 13:20

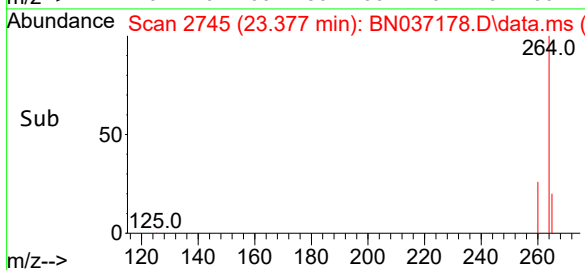
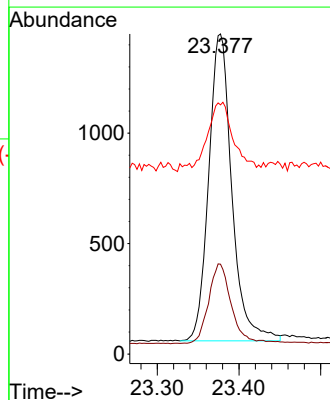
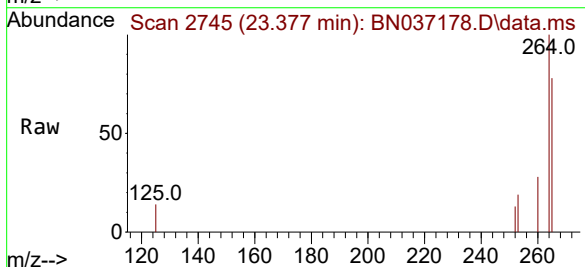
Instrument :
BNA_N
ClientSampleId :
RMW-03B-90-060325

Tgt Ion:149 Resp: 683
Ion Ratio Lower Upper
149 100
167 25.6 21.0 31.4
279 6.0 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: BN037178.D
Acq: 05 Jun 2025 13:20

Tgt Ion:264 Resp: 2734
Ion Ratio Lower Upper
264 100
260 28.1 22.1 33.1
265 77.8 55.8 83.8



Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN060525\
Data File : BN037184.D
Acq On : 05 Jun 2025 17:33
Operator : RC/JU
Sample : Q2200-02DL 2X
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
RMW-03B-90-060325DL

Quant Time: Jun 05 18:03:30 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

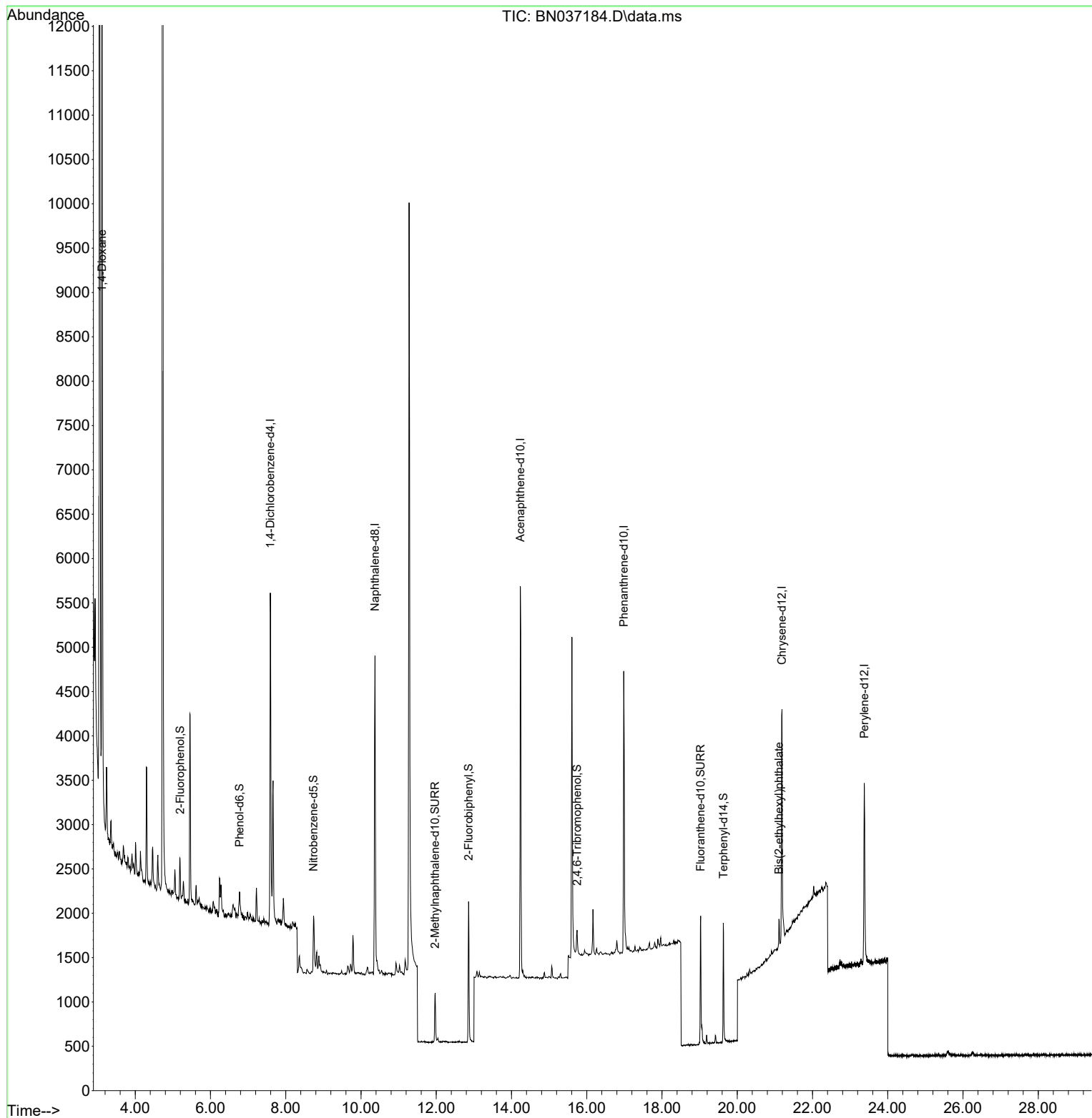
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.590	152	1825	0.400	ng	0.00
7) Naphthalene-d8	10.372	136	4774	0.400	ng	0.00
13) Acenaphthene-d10	14.235	164	2649	0.400	ng	0.00
19) Phenanthrene-d10	16.984	188	4719	0.400	ng	0.00
29) Chrysene-d12	21.189	240	2954	0.400	ng	0.00
35) Perylene-d12	23.377	264	2771	0.400	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.192	112	325	0.072	ng	0.00
5) Phenol-d6	6.773	99	225	0.041	ng	0.00
8) Nitrobenzene-d5	8.739	82	600	0.119	ng	0.00
11) 2-Methylnaphthalene-d10	11.971	152	804	0.121	ng	0.00
14) 2,4,6-Tribromophenol	15.743	330	171	0.160	ng	0.00
15) 2-Fluorobiphenyl	12.863	172	1483	0.131	ng	0.00
27) Fluoranthene-d10	19.026	212	1738	0.145	ng	0.00
31) Terphenyl-d14	19.630	244	1348	0.194	ng	0.00
Target Compounds						
2) 1,4-Dioxane	3.119	88	6264	2.575	ng	96
34) Bis(2-ethylhexyl)phtha...	21.108	149	386	0.057	ng	# 90

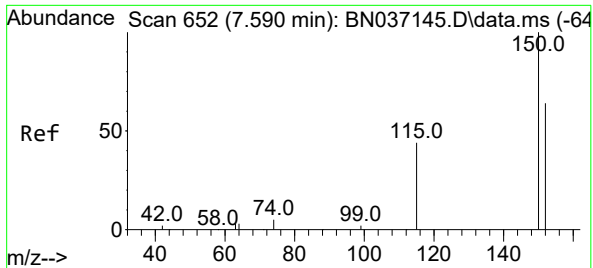
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN060525\
Data File : BN037184.D
Acq On : 05 Jun 2025 17:33
Operator : RC/JU
Sample : Q2200-02DL 2X
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
RMW-03B-90-060325DL

Quant Time: Jun 05 18:03:30 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

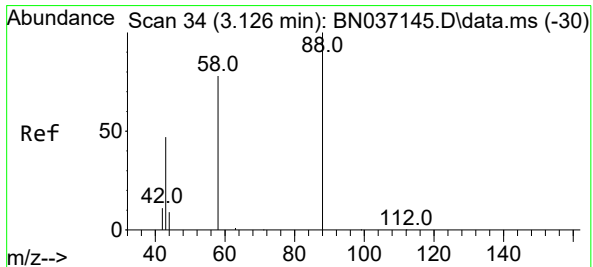
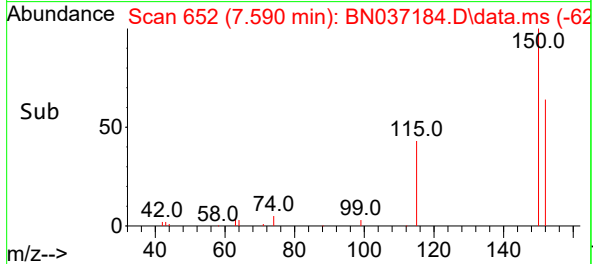
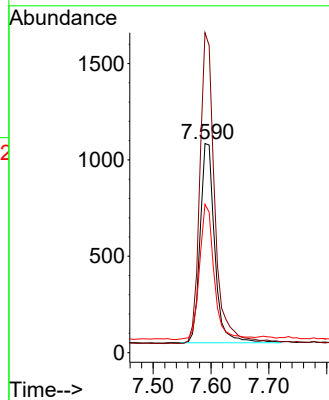
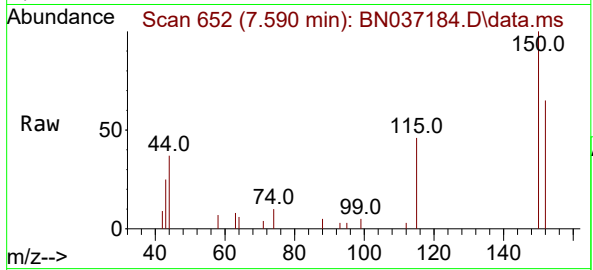




#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.590 min Scan# 61
Delta R.T. -0.000 min
Lab File: BN037184.D
Acq: 05 Jun 2025 17:33

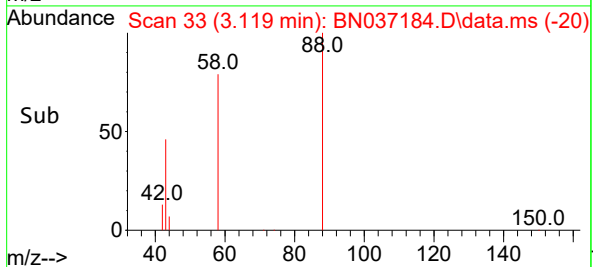
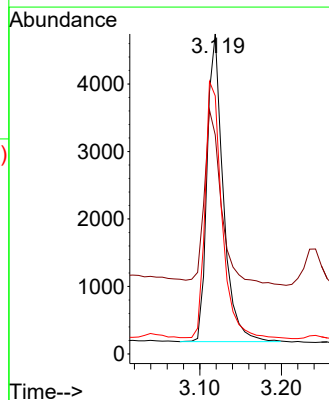
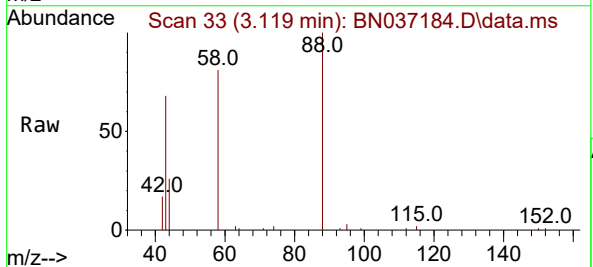
Instrument :
BNA_N
ClientSampleId :
RMW-03B-90-060325DL

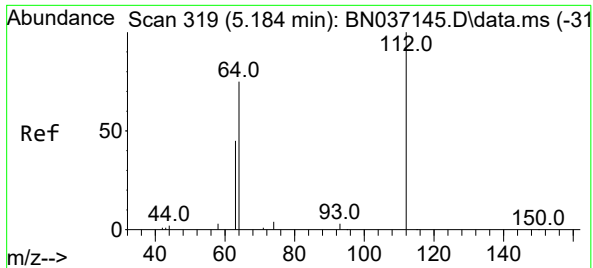
Tgt Ion:152 Resp: 1825
Ion Ratio Lower Upper
152 100
150 153.0 123.2 184.8
115 70.9 56.6 85.0



#2
1,4-Dioxane
Concen: 2.575 ng
RT: 3.119 min Scan# 33
Delta R.T. -0.007 min
Lab File: BN037184.D
Acq: 05 Jun 2025 17:33

Tgt Ion: 88 Resp: 6264
Ion Ratio Lower Upper
88 100
43 59.3 43.5 65.3
58 87.0 67.7 101.5

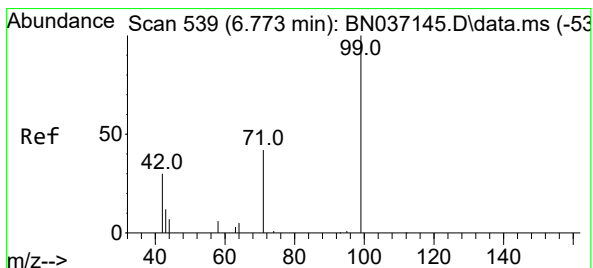
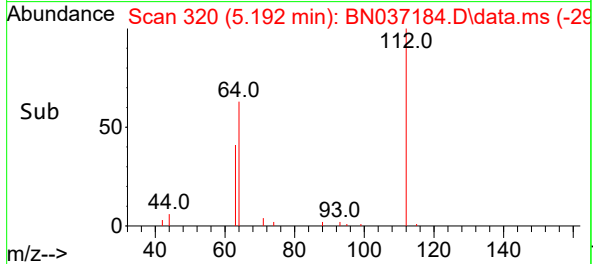
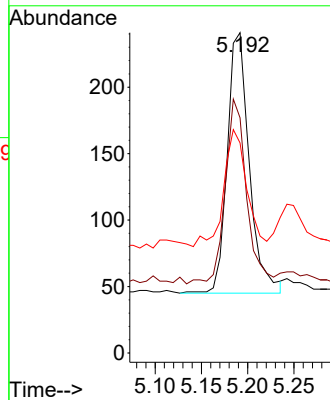
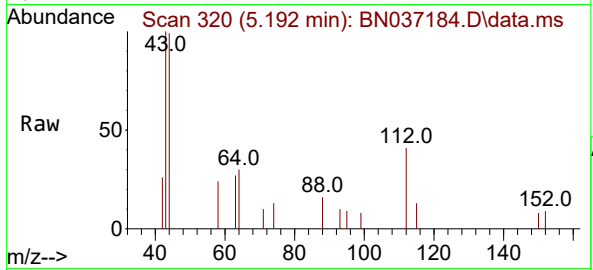




#4
2-Fluorophenol
Concen: 0.072 ng
RT: 5.192 min Scan# 319
Delta R.T. 0.007 min
Lab File: BN037184.D
Acq: 05 Jun 2025 17:33

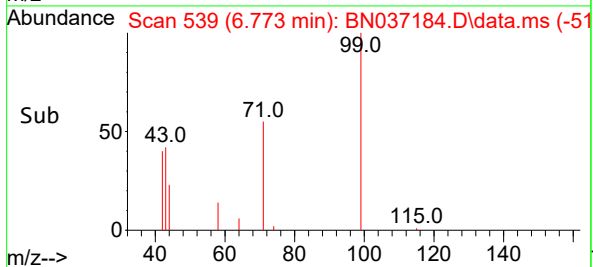
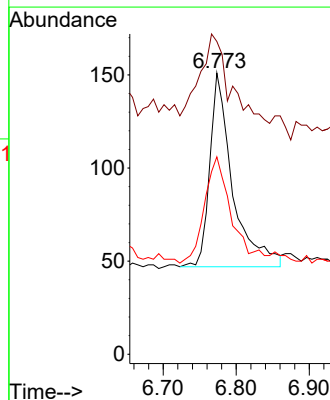
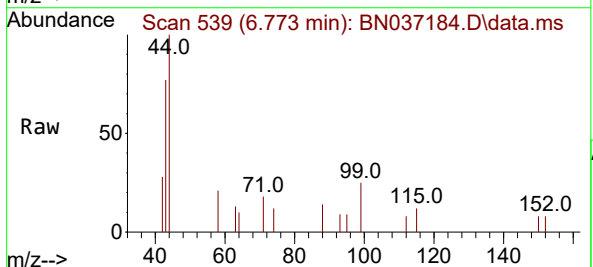
Instrument :
BNA_N
ClientSampleId :
RMW-03B-90-060325DL

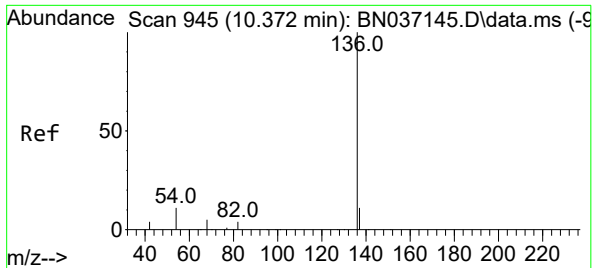
Tgt Ion: 112 Resp: 325
Ion Ratio Lower Upper
112 100
64 68.3 56.3 84.5
63 48.0 36.2 54.4



#5
Phenol-d6
Concen: 0.041 ng
RT: 6.773 min Scan# 539
Delta R.T. 0.000 min
Lab File: BN037184.D
Acq: 05 Jun 2025 17:33

Tgt Ion: 99 Resp: 225
Ion Ratio Lower Upper
99 100
42 63.1 31.3 46.9#
71 64.9 38.2 57.2#

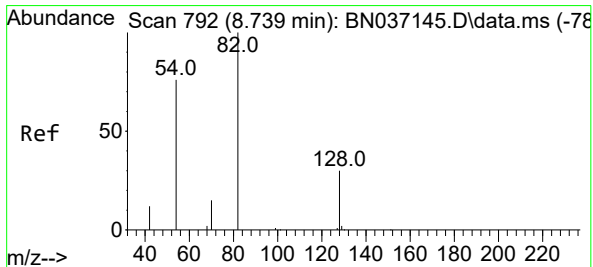
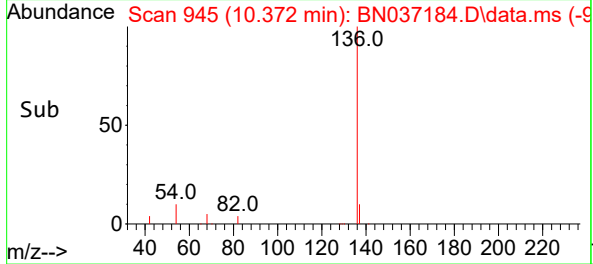
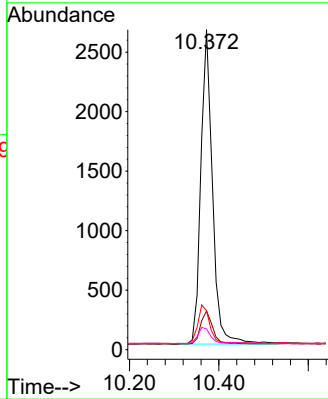
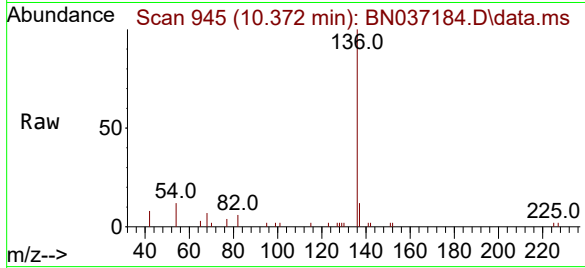




#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.372 min Scan# 945
Delta R.T. 0.000 min
Lab File: BN037184.D
Acq: 05 Jun 2025 17:33

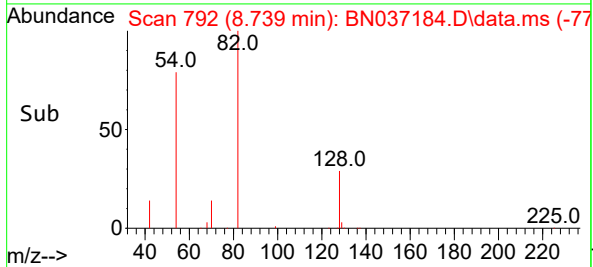
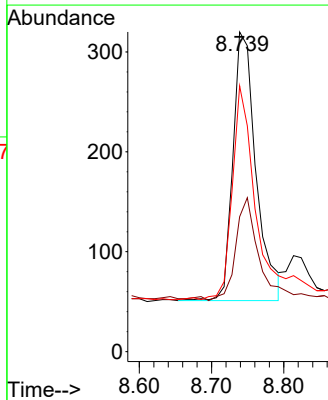
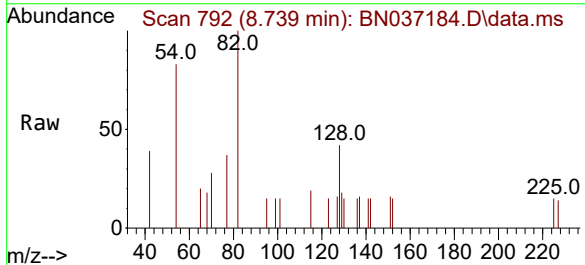
Instrument :
BNA_N
ClientSampleId :
RMW-03B-90-060325DL

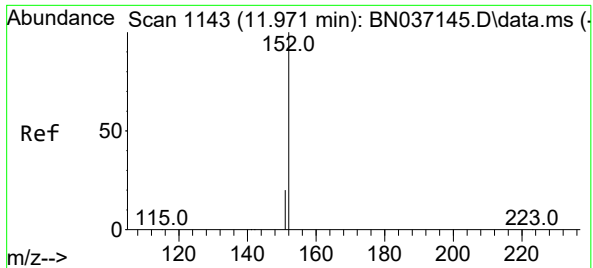
Tgt Ion:	136	Resp:	4774
Ion	Ratio	Lower	Upper
136	100		
137	12.1	9.7	14.5
54	12.2	9.7	14.5
68	6.5	5.4	8.2



#8
Nitrobenzene-d5
Concen: 0.119 ng
RT: 8.739 min Scan# 792
Delta R.T. 0.000 min
Lab File: BN037184.D
Acq: 05 Jun 2025 17:33

Tgt Ion:	82	Resp:	600
Ion	Ratio	Lower	Upper
82	100		
128	42.2	26.9	40.3#
54	83.1	61.4	92.2

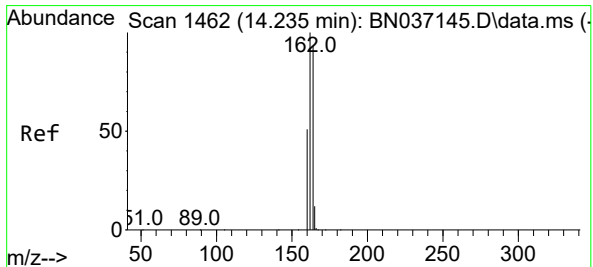
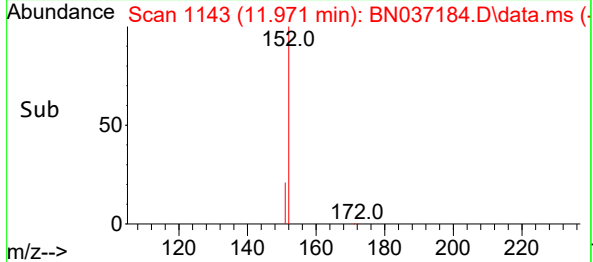
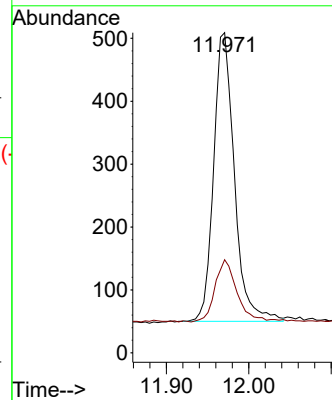
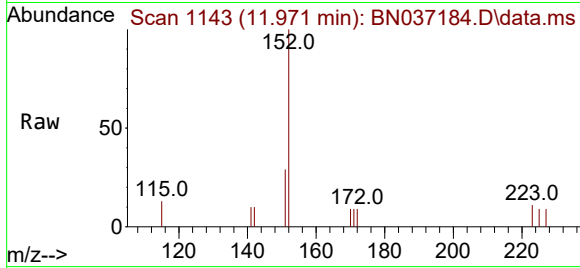




#11
2-Methylnaphthalene-d10
Concen: 0.121 ng
RT: 11.971 min Scan# 1143
Delta R.T. 0.000 min
Lab File: BN037184.D
Acq: 05 Jun 2025 17:33

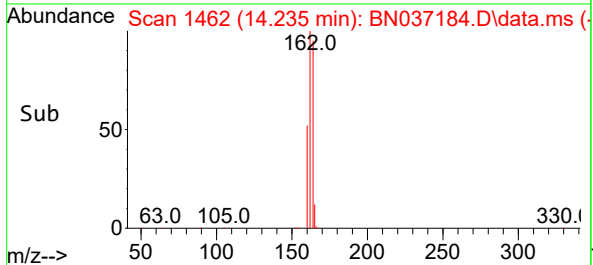
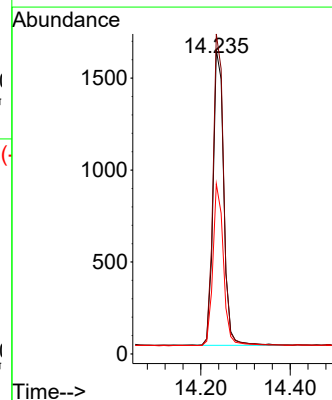
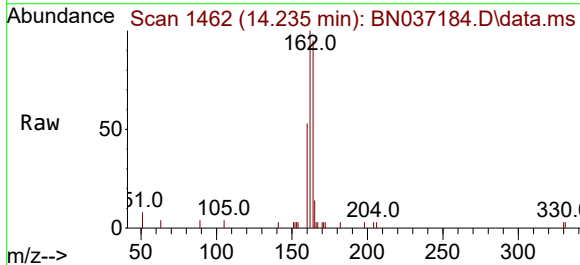
Instrument :
BNA_N
ClientSampleId :
RMW-03B-90-060325DL

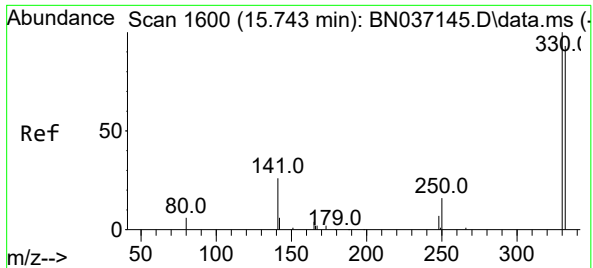
Tgt Ion:152 Resp: 804
Ion Ratio Lower Upper
152 100
151 22.8 17.1 25.7



#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.235 min Scan# 1462
Delta R.T. 0.000 min
Lab File: BN037184.D
Acq: 05 Jun 2025 17:33

Tgt Ion:164 Resp: 2649
Ion Ratio Lower Upper
164 100
162 105.3 85.5 128.3
160 56.0 44.6 67.0

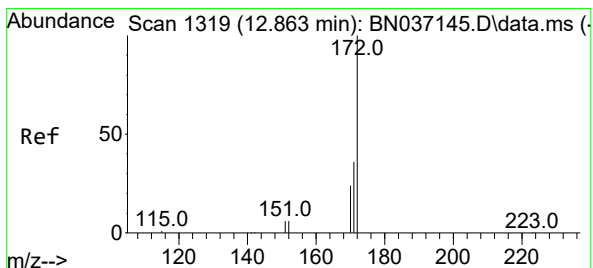
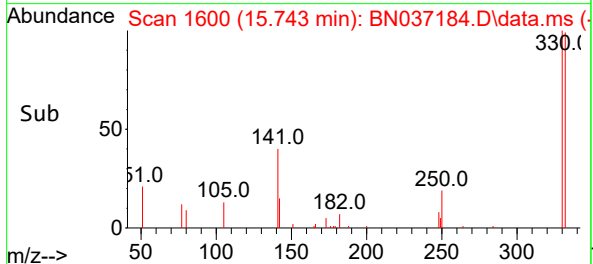
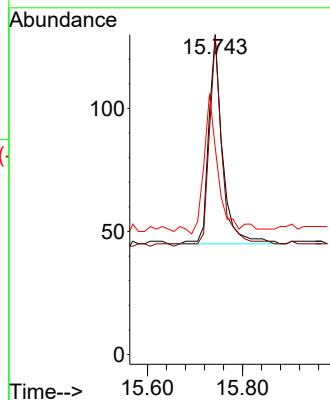
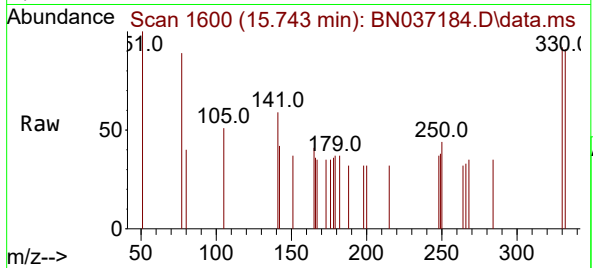




#14
2,4,6-Tribromophenol
Concen: 0.160 ng
RT: 15.743 min Scan# 1600
Delta R.T. 0.000 min
Lab File: BN037184.D
Acq: 05 Jun 2025 17:33

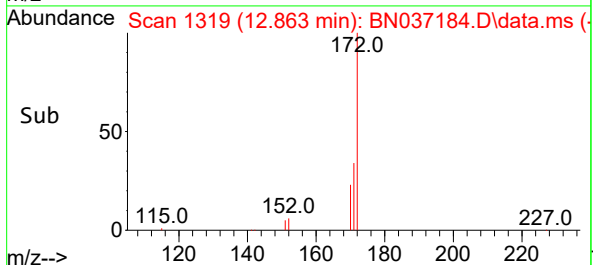
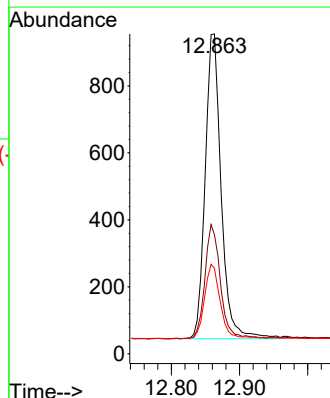
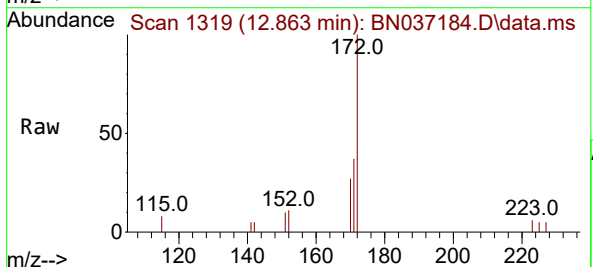
Instrument :
BNA_N
ClientSampleId :
RMW-03B-90-060325DL

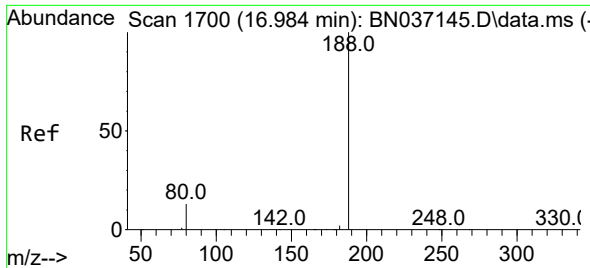
Tgt Ion:330 Resp: 171
Ion Ratio Lower Upper
330 100
332 96.5 77.1 115.7
141 71.9 46.4 69.6#



#15
2-Fluorobiphenyl
Concen: 0.131 ng
RT: 12.863 min Scan# 1319
Delta R.T. 0.000 min
Lab File: BN037184.D
Acq: 05 Jun 2025 17:33

Tgt Ion:172 Resp: 1483
Ion Ratio Lower Upper
172 100
171 37.3 29.6 44.4
170 26.7 20.3 30.5





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 16.984 min Scan# 11

Delta R.T. 0.000 min

Lab File: BN037184.D

Acq: 05 Jun 2025 17:33

Instrument :

BNA_N

ClientSampleId :

RMW-03B-90-060325DL

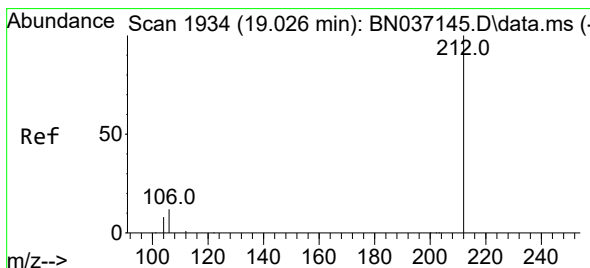
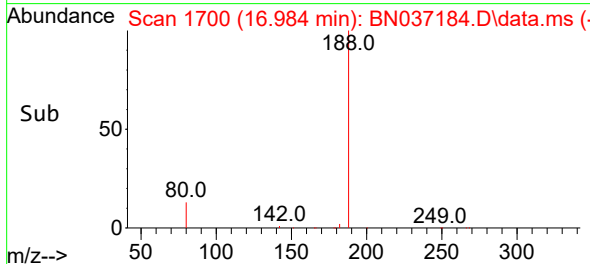
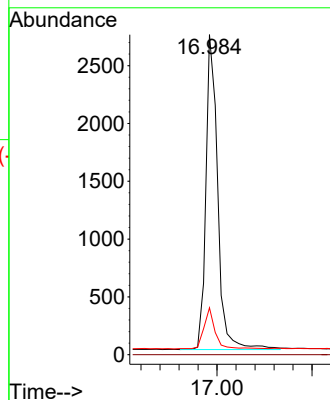
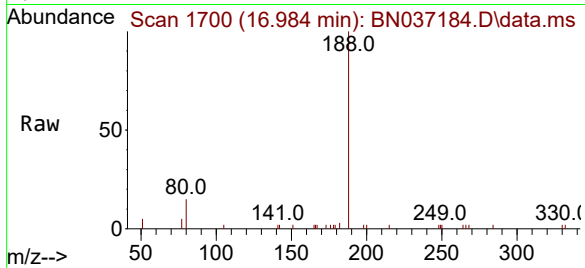
Tgt Ion:188 Resp: 4719

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

80 14.6 11.3 16.9



#27

Fluoranthene-d10

Concen: 0.145 ng

RT: 19.026 min Scan# 1934

Delta R.T. 0.000 min

Lab File: BN037184.D

Acq: 05 Jun 2025 17:33

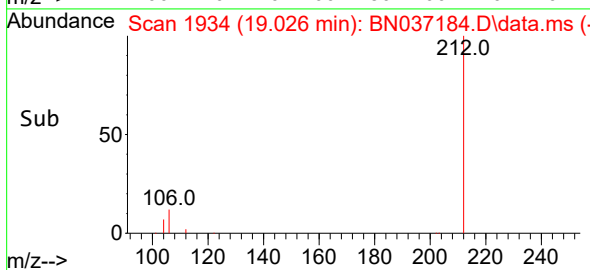
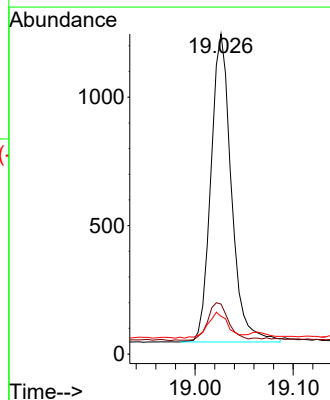
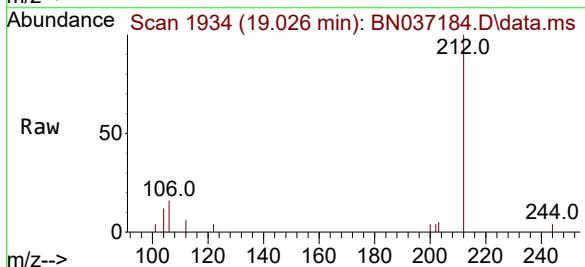
Tgt Ion:212 Resp: 1738

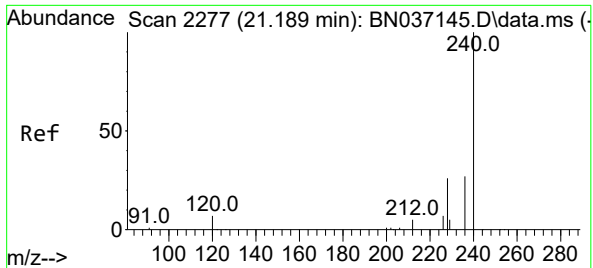
Ion Ratio Lower Upper

212 100

106 12.4 10.6 15.8

104 8.3 6.6 9.8





#29

Chrysene-d12

Concen: 0.400 ng

RT: 21.189 min Scan# 21

Delta R.T. 0.000 min

Lab File: BN037184.D

Acq: 05 Jun 2025 17:33

Instrument :

BNA_N

ClientSampleId :

RMW-03B-90-060325DL

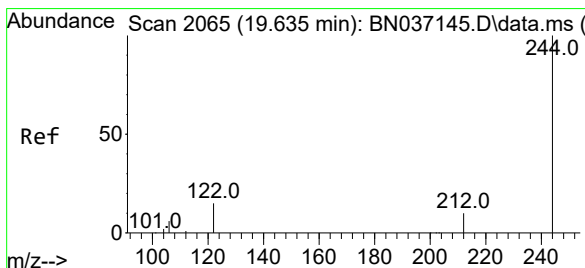
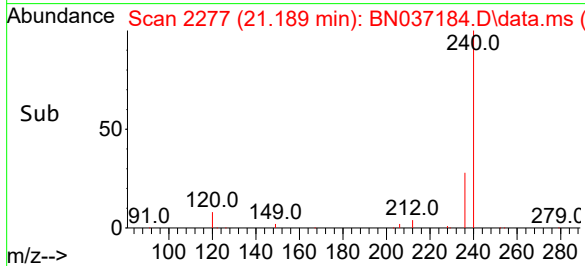
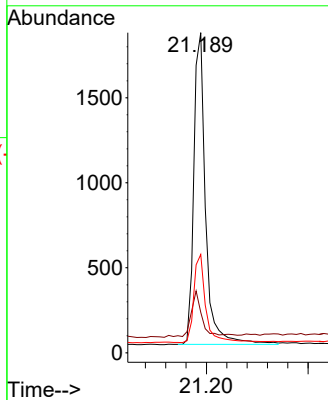
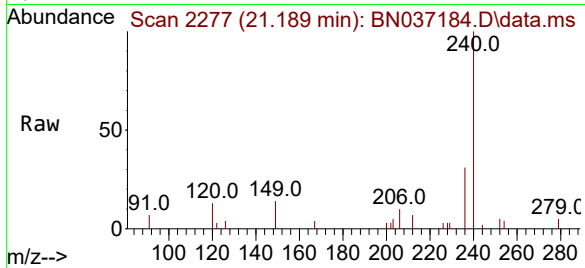
Tgt Ion:240 Resp: 2954

Ion Ratio Lower Upper

240 100

120 12.6 9.0 13.4

236 30.7 23.0 34.4



#31

Terphenyl-d14

Concen: 0.194 ng

RT: 19.630 min Scan# 2064

Delta R.T. -0.005 min

Lab File: BN037184.D

Acq: 05 Jun 2025 17:33

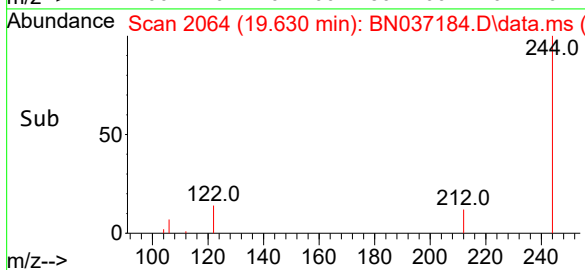
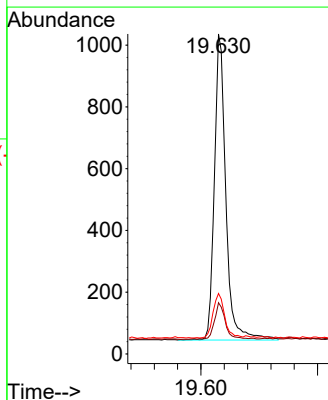
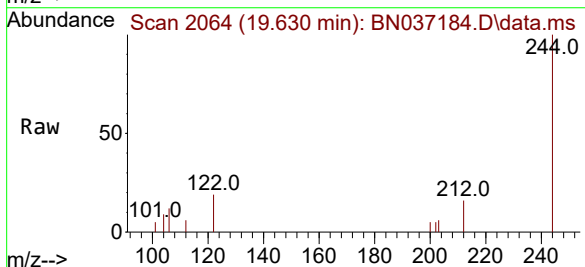
Tgt Ion:244 Resp: 1348

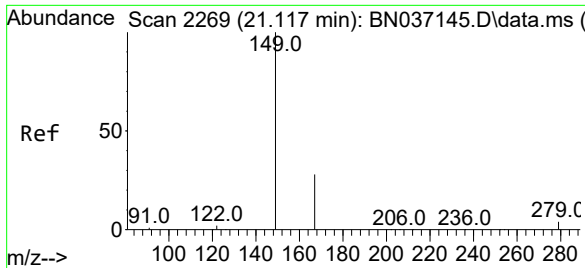
Ion Ratio Lower Upper

244 100

212 16.0 10.0 15.0#

122 18.9 13.2 19.8

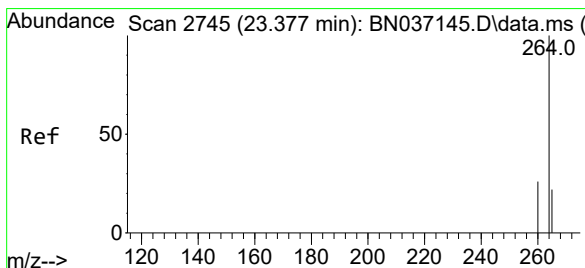
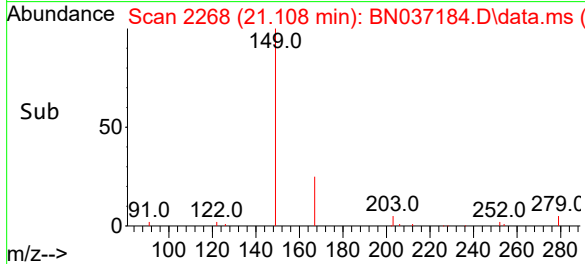
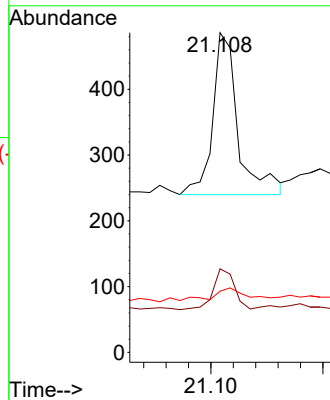
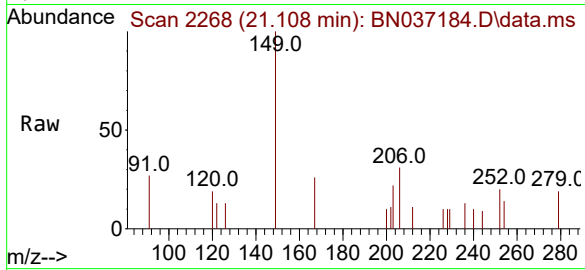




#34
Bis(2-ethylhexyl)phthalate
Concen: 0.057 ng
RT: 21.108 min Scan# 21108
Delta R.T. -0.009 min
Lab File: BN037184.D
Acq: 05 Jun 2025 17:33

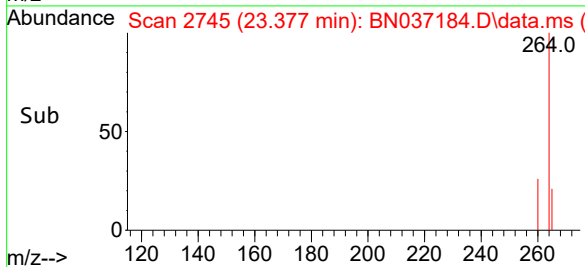
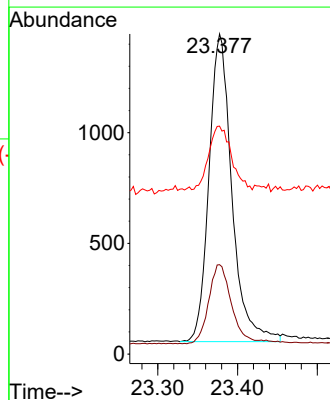
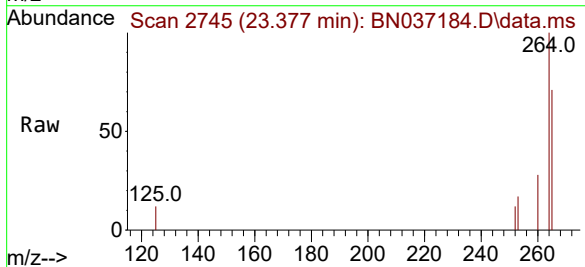
Instrument :
BNA_N
ClientSampleId :
RMW-03B-90-060325DL

Tgt Ion:149 Resp: 386
Ion Ratio Lower Upper
149 100
167 21.5 21.0 31.4
279 9.6 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: BN037184.D
Acq: 05 Jun 2025 17:33

Tgt Ion:264 Resp: 2771
Ion Ratio Lower Upper
264 100
260 27.9 22.1 33.1
265 71.2 55.8 83.8



Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN060525\
 Data File : BN037179.D
 Acq On : 05 Jun 2025 13:56
 Operator : RC/JU
 Sample : Q2200-03
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 EB01-060325

A
B
C
D
E
F
G
H
I
J
K

Quant Time: Jun 05 14:28:39 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)

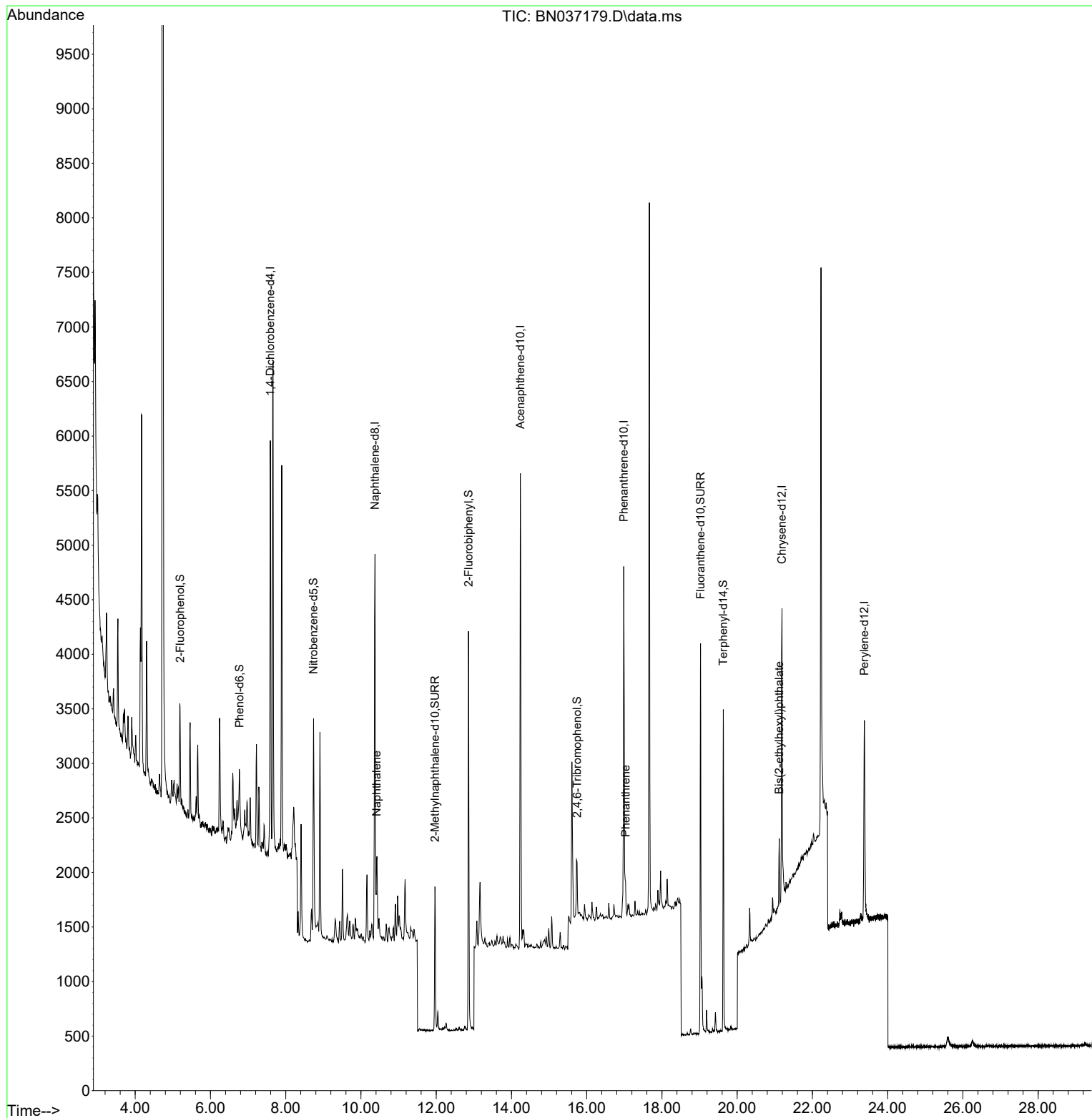
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.589	152	1771	0.400	ng	0.00
7) Naphthalene-d8	10.372	136	4597	0.400	ng	0.00
13) Acenaphthene-d10	14.234	164	2434	0.400	ng	0.00
19) Phenanthrene-d10	16.984	188	4339	0.400	ng	0.00
29) Chrysene-d12	21.188	240	2778	0.400	ng	0.00
35) Perylene-d12	23.380	264	2502	0.400	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.191	112	666	0.152	ng	0.00
5) Phenol-d6	6.773	99	474	0.089	ng	0.00
8) Nitrobenzene-d5	8.739	82	1529	0.315	ng	0.00
11) 2-Methylnaphthalene-d10	11.965	152	1866	0.292	ng	0.00
14) 2,4,6-Tribromophenol	15.742	330	337	0.344	ng	0.00
15) 2-Fluorobiphenyl	12.858	172	3182	0.307	ng	0.00
27) Fluoranthene-d10	19.026	212	4011	0.364	ng	0.00
31) Terphenyl-d14	19.630	244	2812	0.430	ng	0.00
Target Compounds						Qvalue
9) Naphthalene	10.415	128	413	0.031	ng	# 63
25) Phenanthrene	17.033	178	335	0.024	ng	# 87
34) Bis(2-ethylhexyl)phtha...	21.117	149	601	0.095	ng	98

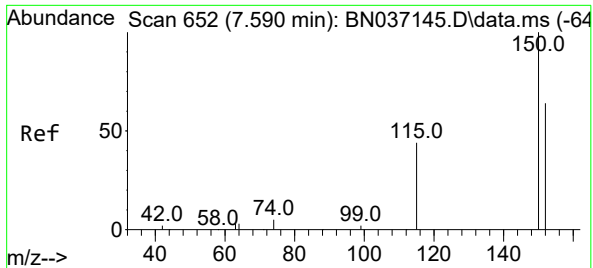
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN060525\
Data File : BN037179.D
Acq On : 05 Jun 2025 13:56
Operator : RC/JU
Sample : Q2200-03
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
EB01-060325

Quant Time: Jun 05 14:28:39 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

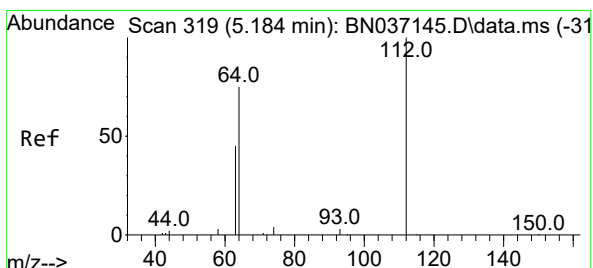
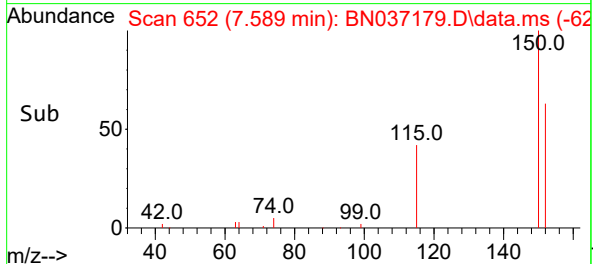
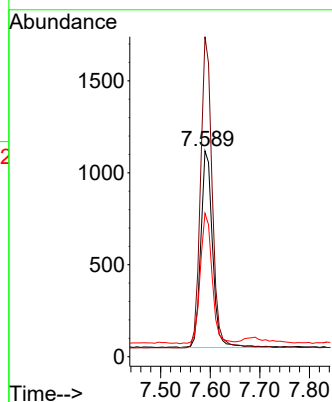
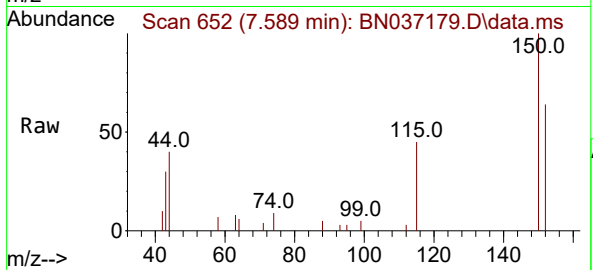




#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.589 min Scan# 61
Delta R.T. -0.001 min
Lab File: BN037179.D
Acq: 05 Jun 2025 13:56

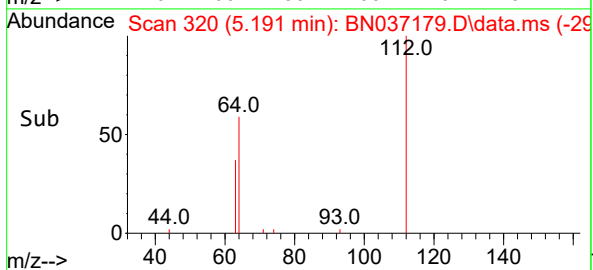
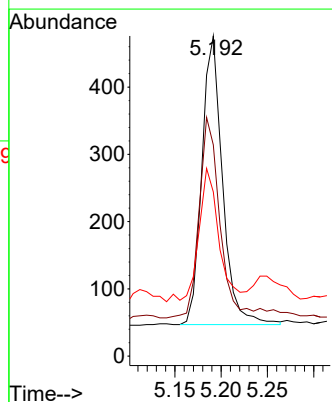
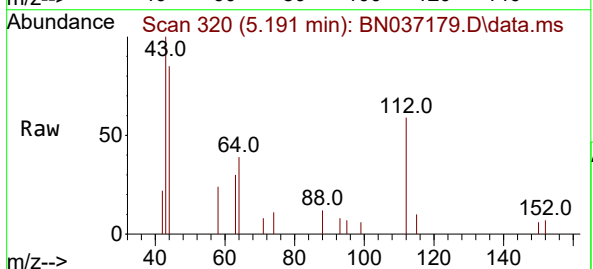
Instrument :
BNA_N
ClientSampleId :
EB01-060325

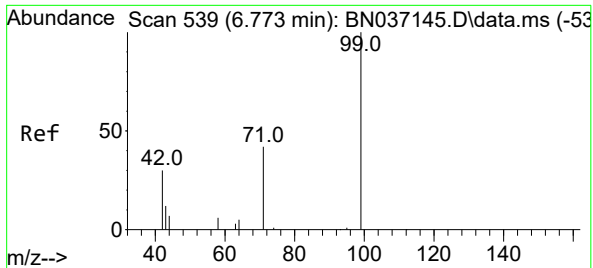
Tgt Ion:152 Resp: 1771
Ion Ratio Lower Upper
152 100
150 155.5 123.2 184.8
115 69.7 56.6 85.0



#4
2-Fluorophenol
Concen: 0.152 ng
RT: 5.191 min Scan# 320
Delta R.T. 0.007 min
Lab File: BN037179.D
Acq: 05 Jun 2025 13:56

Tgt Ion:112 Resp: 666
Ion Ratio Lower Upper
112 100
64 68.8 56.3 84.5
63 44.6 36.2 54.4

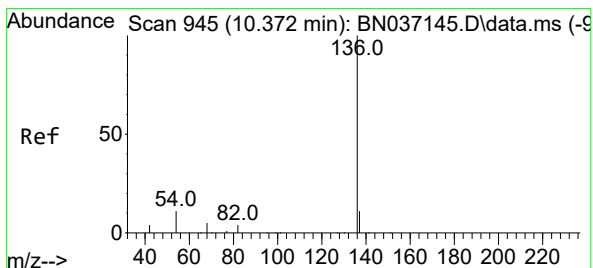
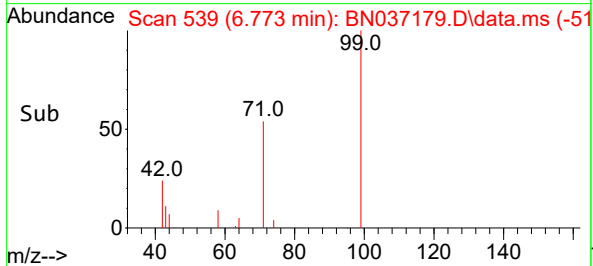
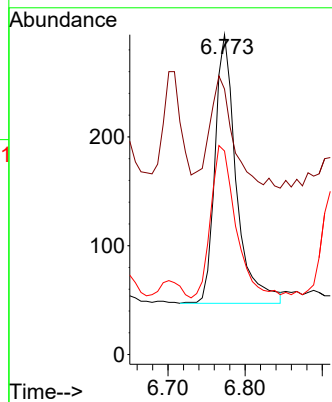
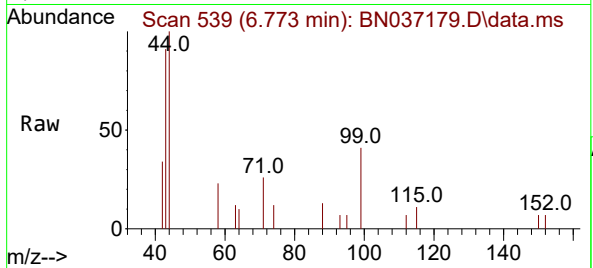




#5
Phenol-d6
Concen: 0.089 ng
RT: 6.773 min Scan# 511
Delta R.T. -0.000 min
Lab File: BN037179.D
Acq: 05 Jun 2025 13:56

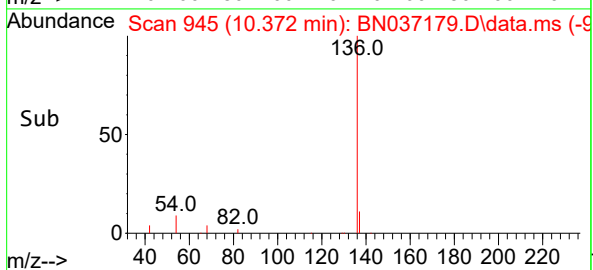
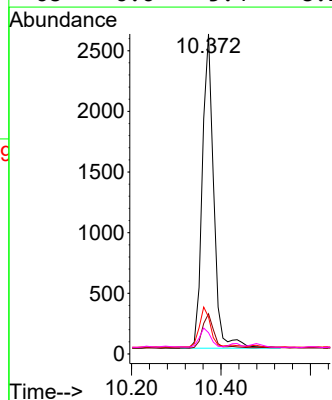
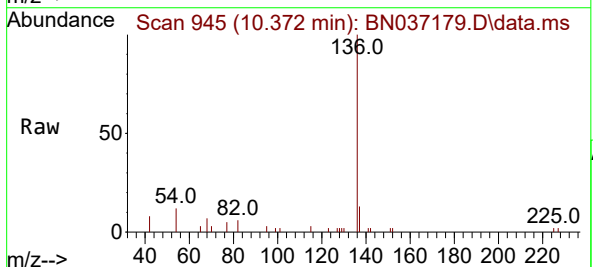
Instrument :
BNA_N
ClientSampleId :
EB01-060325

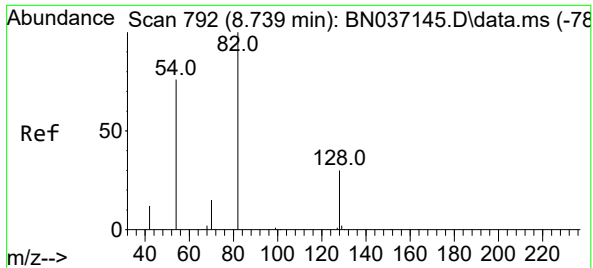
Tgt Ion: 99 Resp: 474
Ion Ratio Lower Upper
99 100
42 46.6 31.3 46.9
71 67.7 38.2 57.2#



#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.372 min Scan# 945
Delta R.T. -0.000 min
Lab File: BN037179.D
Acq: 05 Jun 2025 13:56

Tgt Ion: 136 Resp: 4597
Ion Ratio Lower Upper
136 100
137 12.5 9.7 14.5
54 11.6 9.7 14.5
68 6.6 5.4 8.2

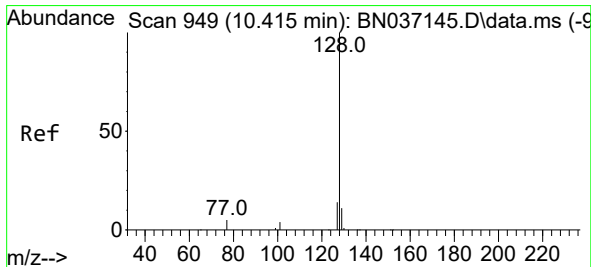
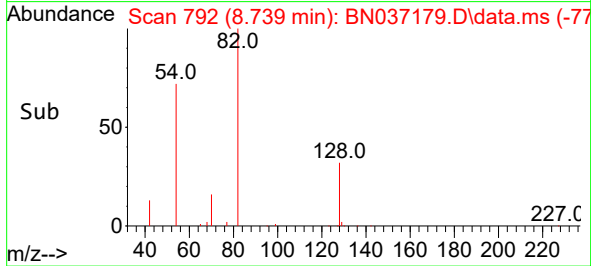
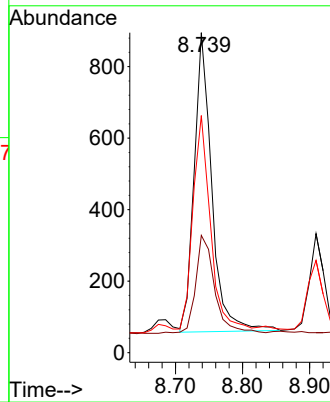
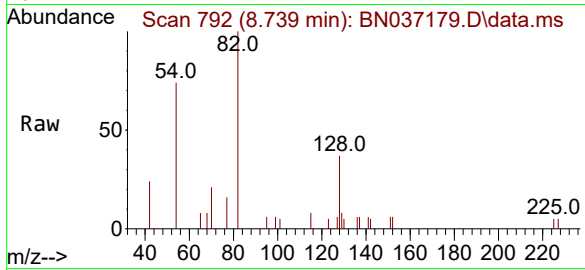




#8
Nitrobenzene-d5
Concen: 0.315 ng
RT: 8.739 min Scan# 792
Delta R.T. -0.000 min
Lab File: BN037179.D
Acq: 05 Jun 2025 13:56

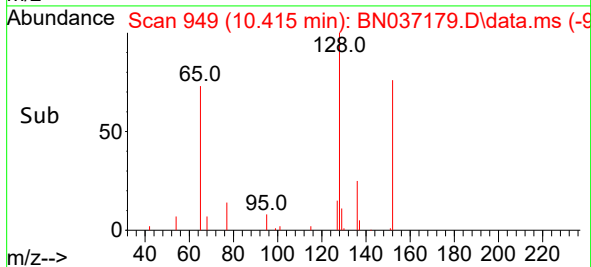
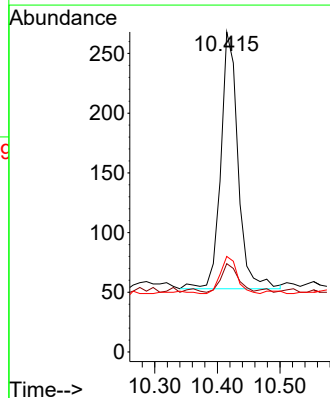
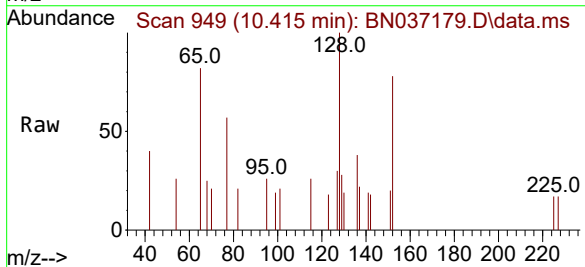
Instrument :
BNA_N
ClientSampleId :
EB01-060325

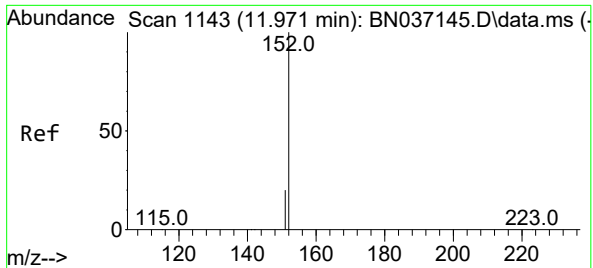
Tgt Ion: 82 Resp: 1529
Ion Ratio Lower Upper
82 100
128 36.6 26.9 40.3
54 74.1 61.4 92.2



#9
Naphthalene
Concen: 0.031 ng
RT: 10.415 min Scan# 949
Delta R.T. -0.000 min
Lab File: BN037179.D
Acq: 05 Jun 2025 13:56

Tgt Ion: 128 Resp: 413
Ion Ratio Lower Upper
128 100
129 27.6 9.8 14.8#
127 29.9 12.3 18.5#

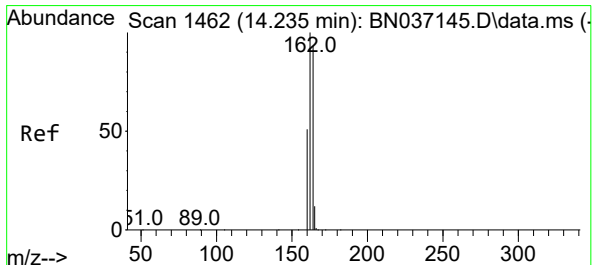
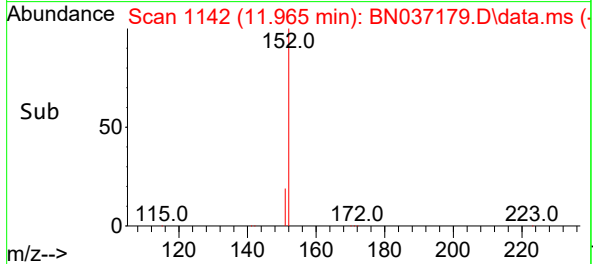
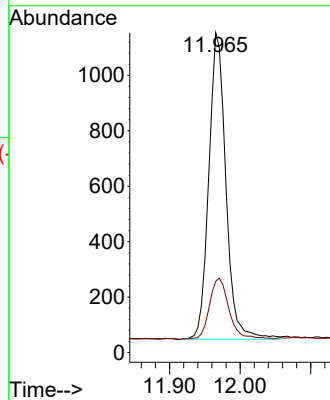
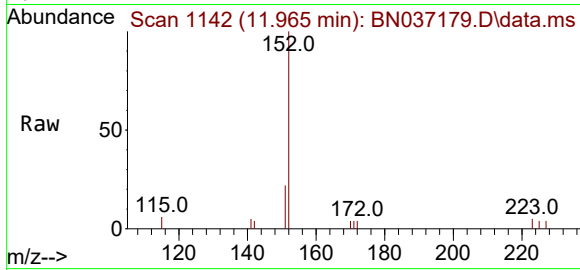




#11
2-Methylnaphthalene-d10
Concen: 0.292 ng
RT: 11.965 min Scan# 1142
Delta R.T. -0.005 min
Lab File: BN037179.D
Acq: 05 Jun 2025 13:56

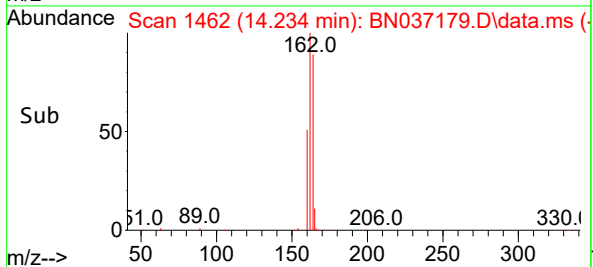
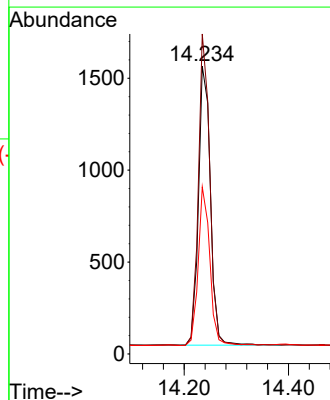
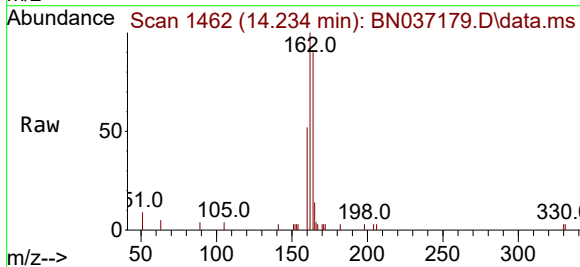
Instrument :
BNA_N
ClientSampleId :
EB01-060325

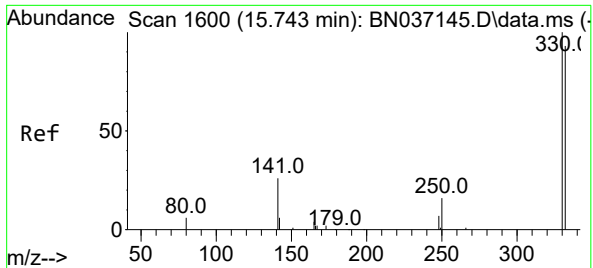
Tgt Ion:152 Resp: 1866
Ion Ratio Lower Upper
152 100
151 23.3 17.1 25.7



#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.234 min Scan# 1462
Delta R.T. -0.000 min
Lab File: BN037179.D
Acq: 05 Jun 2025 13:56

Tgt Ion:164 Resp: 2434
Ion Ratio Lower Upper
164 100
162 111.2 85.5 128.3
160 58.1 44.6 67.0

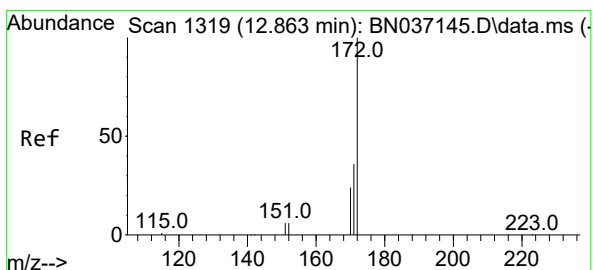
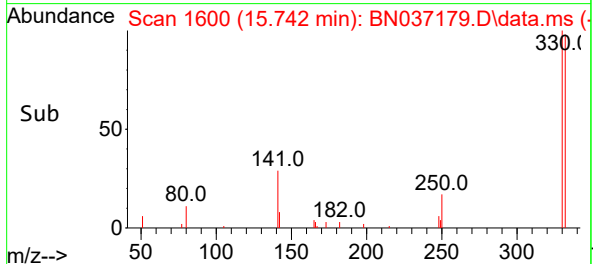
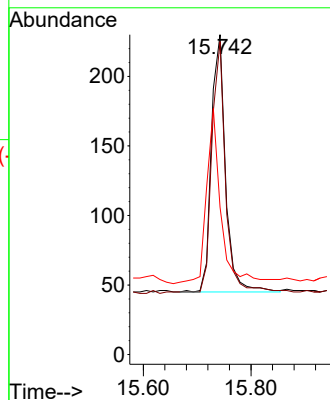
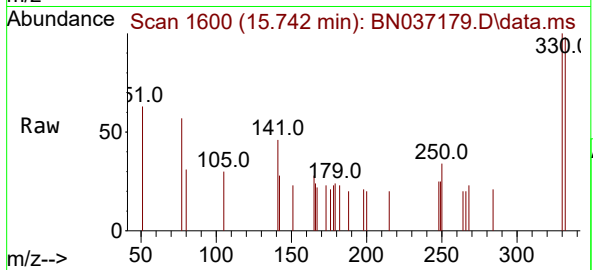




#14
2,4,6-Tribromophenol
Concen: 0.344 ng
RT: 15.742 min Scan# 1
Delta R.T. -0.000 min
Lab File: BN037179.D
Acq: 05 Jun 2025 13:56

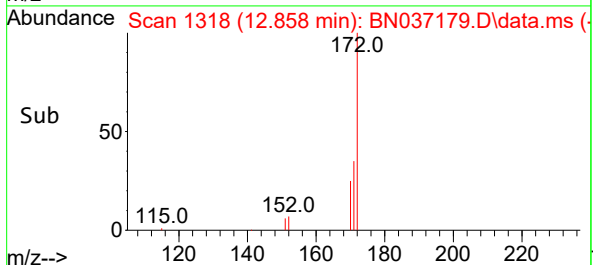
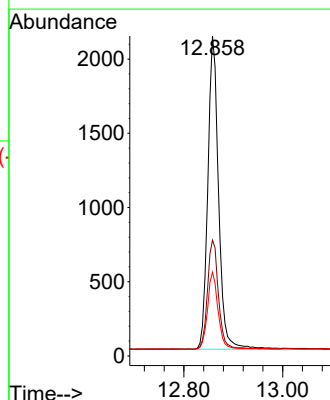
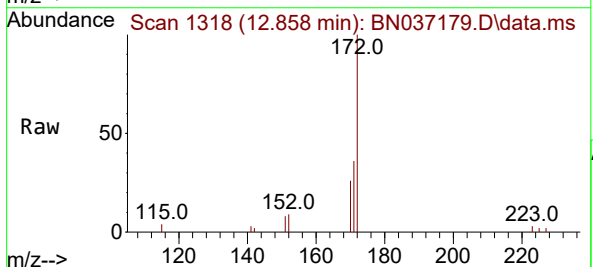
Instrument :
BNA_N
ClientSampleId :
EB01-060325

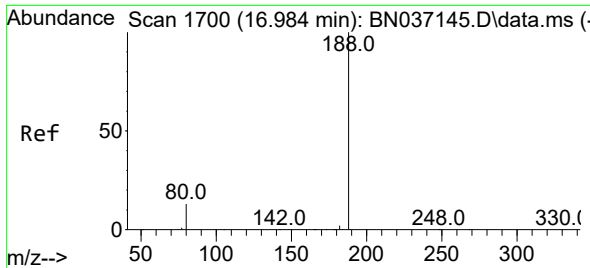
Tgt Ion:330 Resp: 337
Ion Ratio Lower Upper
330 100
332 92.9 77.1 115.7
141 68.2 46.4 69.6



#15
2-Fluorobiphenyl
Concen: 0.307 ng
RT: 12.858 min Scan# 1318
Delta R.T. -0.005 min
Lab File: BN037179.D
Acq: 05 Jun 2025 13:56

Tgt Ion:172 Resp: 3182
Ion Ratio Lower Upper
172 100
171 36.2 29.6 44.4
170 26.2 20.3 30.5





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 16.984 min Scan# 11

Delta R.T. -0.000 min

Lab File: BN037179.D

Acq: 05 Jun 2025 13:56

Instrument :

BNA_N

ClientSampleId :

EB01-060325

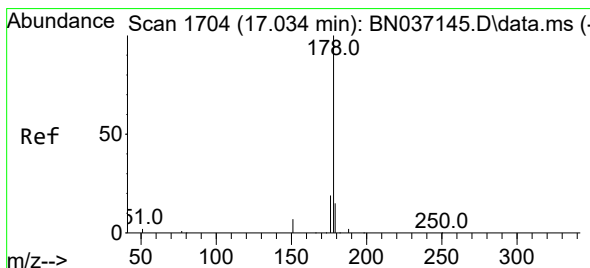
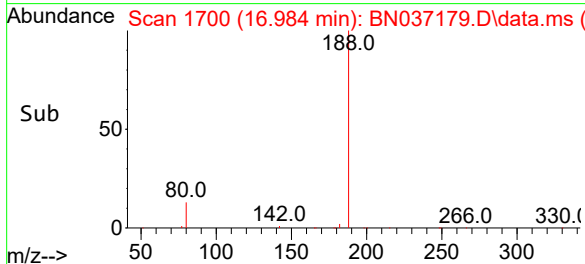
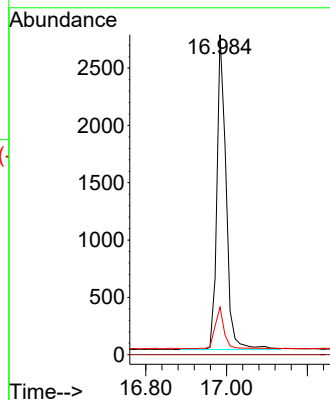
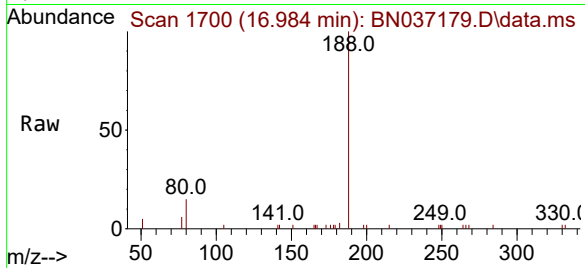
Tgt Ion:188 Resp: 4339

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

80 14.9 11.3 16.9



#25

Phenanthrene

Concen: 0.024 ng

RT: 17.033 min Scan# 1704

Delta R.T. -0.000 min

Lab File: BN037179.D

Acq: 05 Jun 2025 13:56

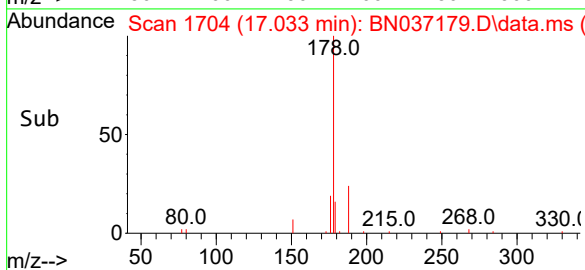
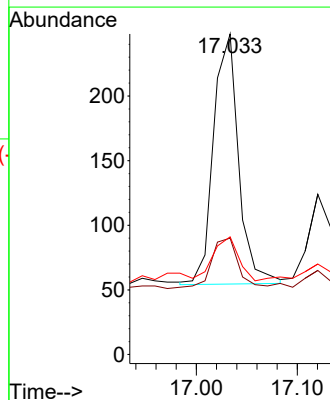
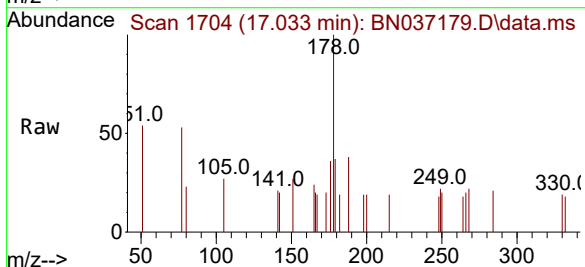
Tgt Ion:178 Resp: 335

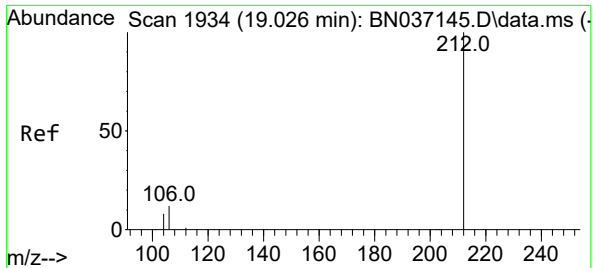
Ion Ratio Lower Upper

178 100

176 21.8 15.7 23.5

179 25.4 12.3 18.5#

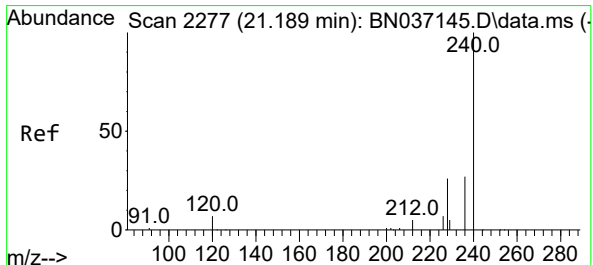
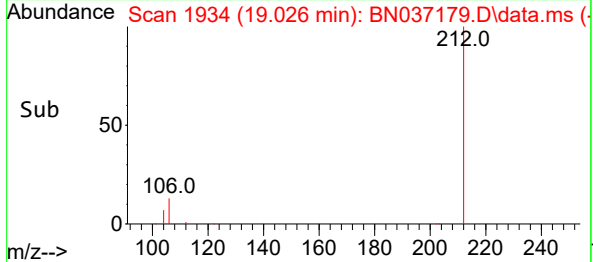
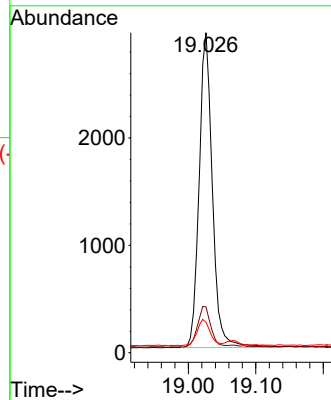
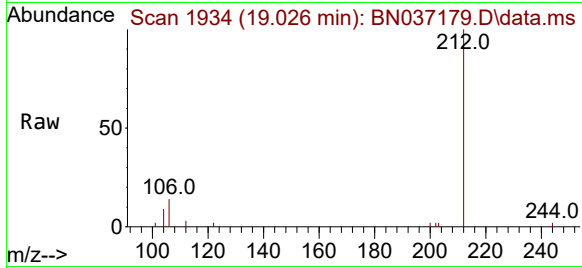




#27
Fluoranthene-d10
Concen: 0.364 ng
RT: 19.026 min Scan# 1934
Delta R.T. -0.000 min
Lab File: BN037179.D
Acq: 05 Jun 2025 13:56

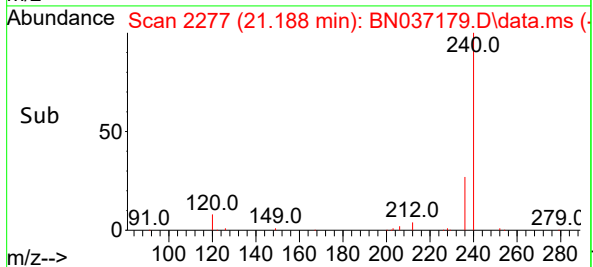
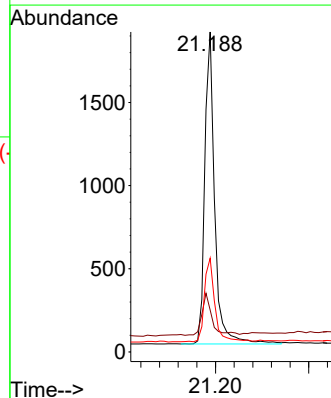
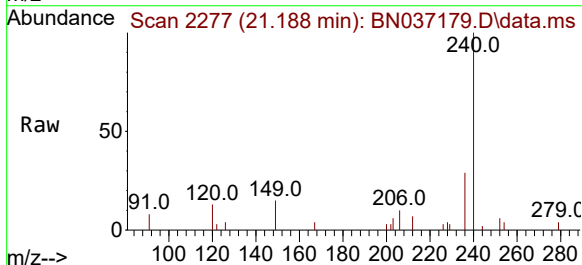
Instrument :
BNA_N
ClientSampleId :
EB01-060325

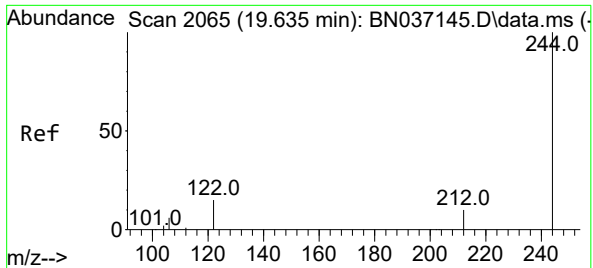
Tgt Ion	Ratio	Lower	Upper
212	100		
106	12.8	10.6	15.8
104	8.5	6.6	9.8



#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.188 min Scan# 2277
Delta R.T. -0.000 min
Lab File: BN037179.D
Acq: 05 Jun 2025 13:56

Tgt Ion	Ratio	Lower	Upper
240	100		
120	13.1	9.0	13.4
236	29.3	23.0	34.4

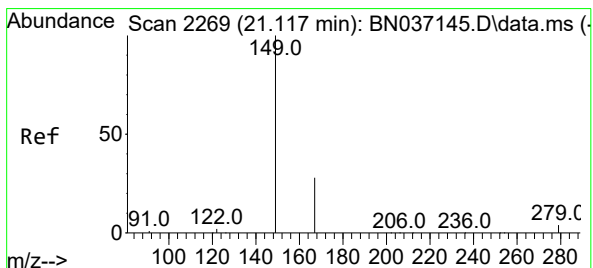
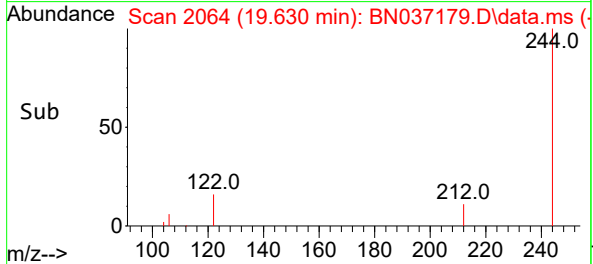
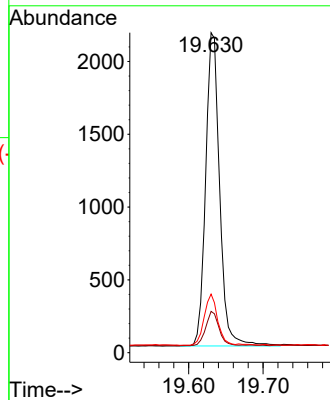
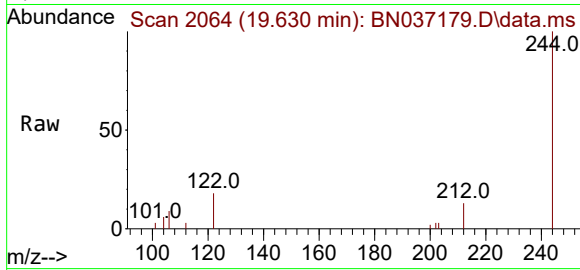




#31
Terphenyl-d14
Concen: 0.430 ng
RT: 19.630 min Scan# 2065
Delta R.T. -0.005 min
Lab File: BN037179.D
Acq: 05 Jun 2025 13:56

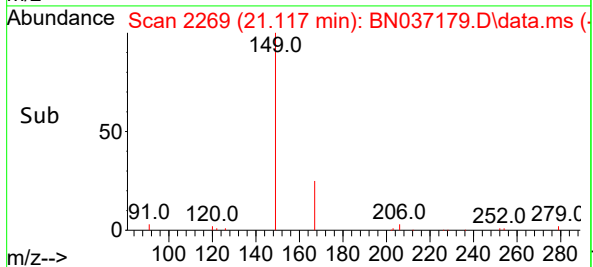
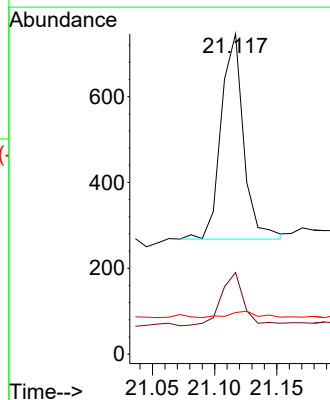
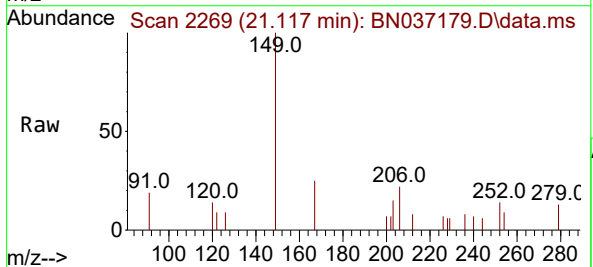
Instrument :
BNA_N
ClientSampleId :
EB01-060325

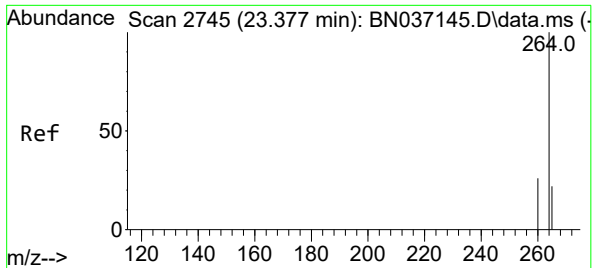
Tgt Ion	Ratio	Lower	Upper
244	100		
212	12.9	10.0	15.0
122	18.3	13.2	19.8



#34
Bis(2-ethylhexyl)phthalate
Concen: 0.095 ng
RT: 21.117 min Scan# 2269
Delta R.T. -0.000 min
Lab File: BN037179.D
Acq: 05 Jun 2025 13:56

Tgt Ion	Ratio	Lower	Upper
149	100		
167	27.1	21.0	31.4
279	4.2	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: BN037179.D

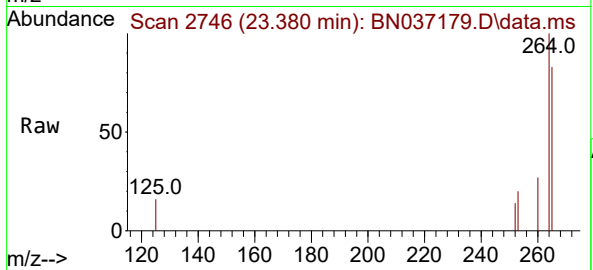
Acq: 05 Jun 2025 13:56

Instrument :

BNA_N

ClientSampleId :

EB01-060325



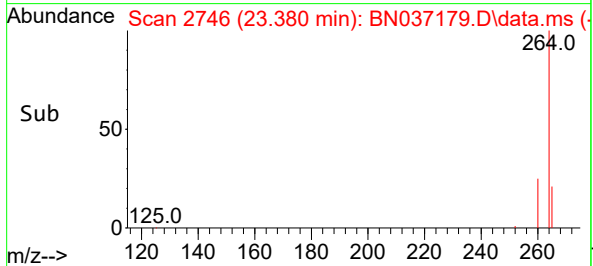
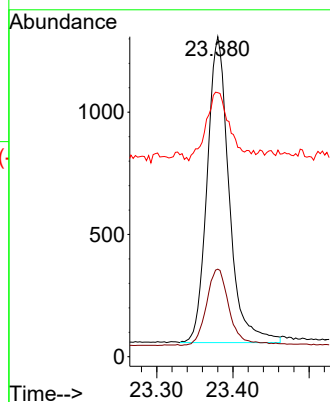
Tgt Ion:264 Resp: 2502

Ion Ratio Lower Upper

264 100

260 27.3 22.1 33.1

265 82.5 55.8 83.8



Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN060525\
 Data File : BN037180.D
 Acq On : 05 Jun 2025 14:32
 Operator : RC/JU
 Sample : Q2200-04
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 MW-01-6.5-060325

A
B
C
D
E
F
G
H
I
J
K

Quant Time: Jun 05 15:24:23 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)

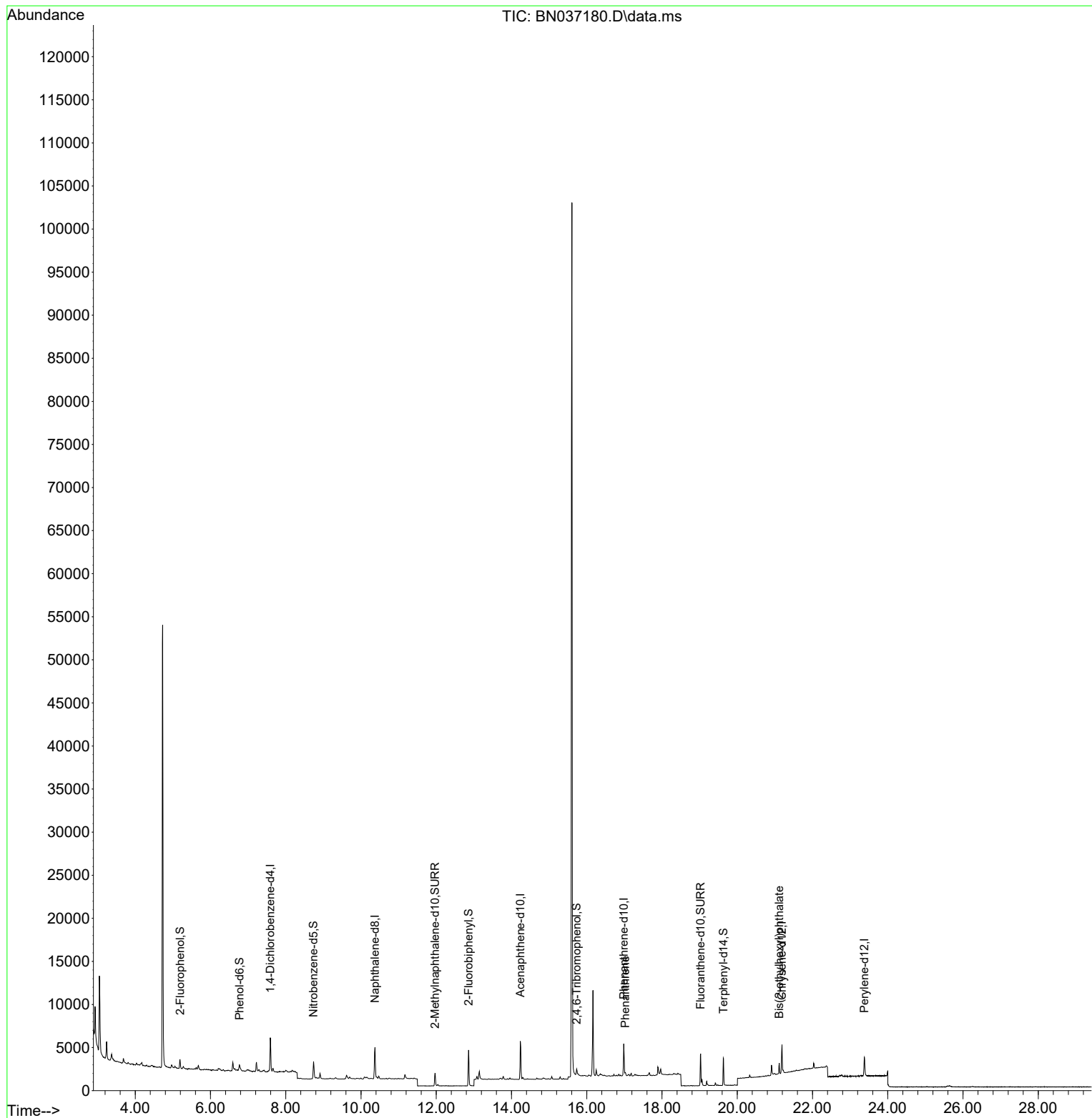
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.589	152	1856	0.400	ng	0.00
7) Naphthalene-d8	10.372	136	4772	0.400	ng	0.00
13) Acenaphthene-d10	14.234	164	2549	0.400	ng	0.00
19) Phenanthrene-d10	16.984	188	4645	0.400	ng	0.00
29) Chrysene-d12	21.189	240	3039	0.400	ng	0.00
35) Perylene-d12	23.377	264	2764	0.400	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.192	112	733	0.160	ng	0.00
5) Phenol-d6	6.773	99	566	0.102	ng	0.00
8) Nitrobenzene-d5	8.739	82	1652	0.328	ng	0.00
11) 2-Methylnaphthalene-d10	11.965	152	2122	0.319	ng	0.00
14) 2,4,6-Tribromophenol	15.730	330	377	0.367	ng	-0.01
15) 2-Fluorobiphenyl	12.858	172	3699	0.340	ng	0.00
27) Fluoranthene-d10	19.026	212	4158	0.352	ng	0.00
31) Terphenyl-d14	19.630	244	3085	0.431	ng	0.00
Target Compounds						
25) Phenanthrene	17.021	178	442	0.029	ng	# 92
34) Bis(2-ethylhexyl)phtha...	21.117	149	1241	0.179	ng	98

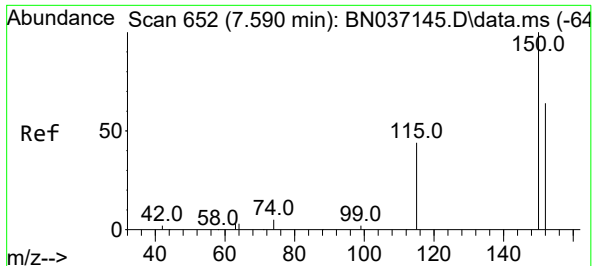
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN060525\
Data File : BN037180.D
Acq On : 05 Jun 2025 14:32
Operator : RC/JU
Sample : Q2200-04
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
MW-01-6.5-060325

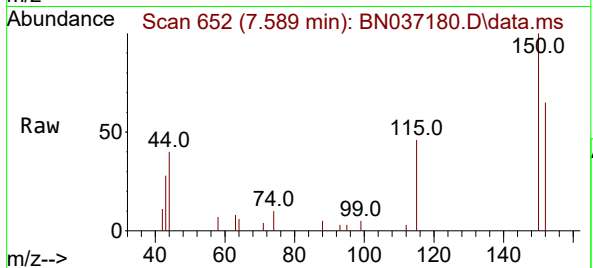
Quant Time: Jun 05 15:24:23 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN060325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jun 04 01:52:03 2025
Response via : Initial Calibration



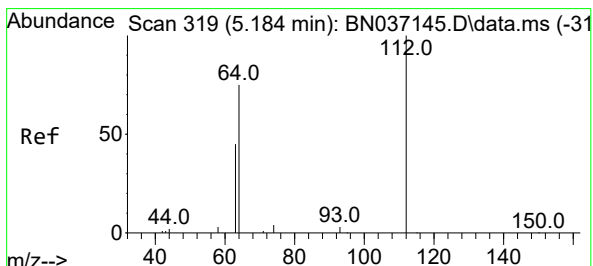
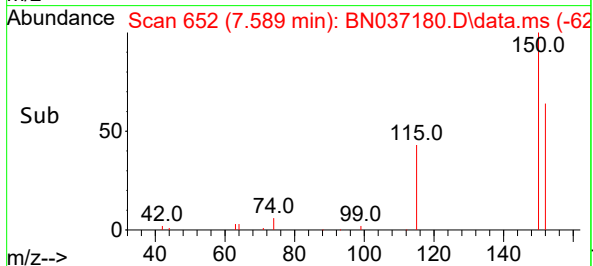
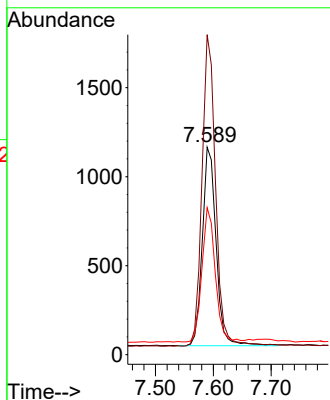


#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.589 min Scan# 61
Delta R.T. -0.001 min
Lab File: BN037180.D
Acq: 05 Jun 2025 14:32

Instrument :
BNA_N
ClientSampleId :
MW-01-6.5-060325

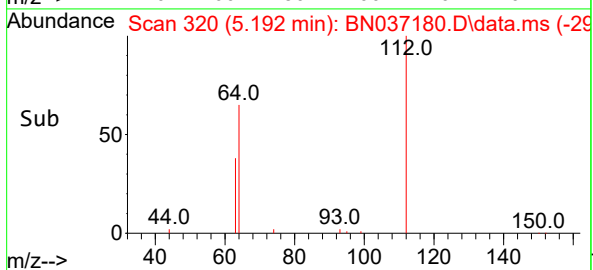
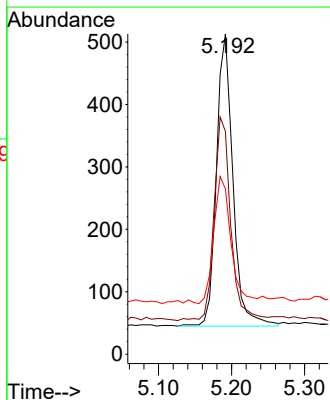
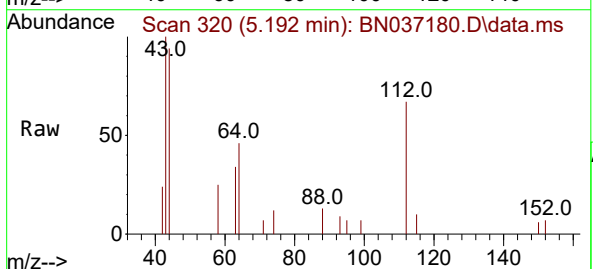


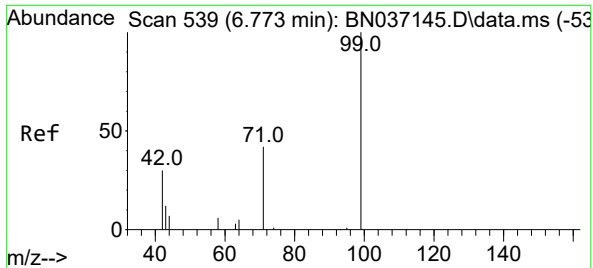
Tgt Ion:152 Resp: 1856
Ion Ratio Lower Upper
152 100
150 154.2 123.2 184.8
115 70.8 56.6 85.0



#4
2-Fluorophenol
Concen: 0.160 ng
RT: 5.192 min Scan# 320
Delta R.T. 0.007 min
Lab File: BN037180.D
Acq: 05 Jun 2025 14:32

Tgt Ion:112 Resp: 733
Ion Ratio Lower Upper
112 100
64 70.4 56.3 84.5
63 45.6 36.2 54.4

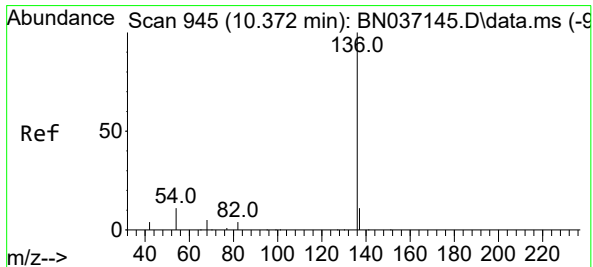
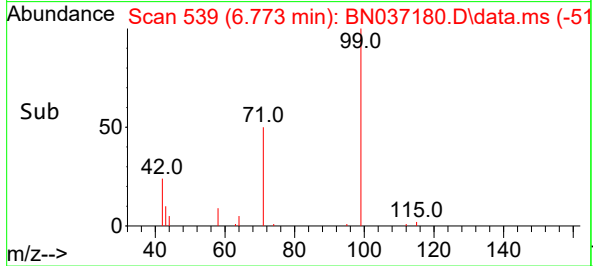
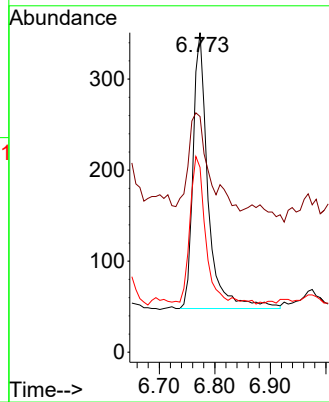
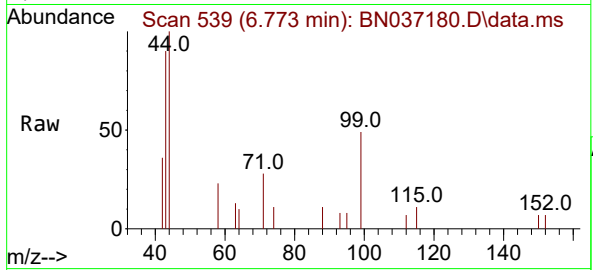




#5
Phenol-d6
Concen: 0.102 ng
RT: 6.773 min Scan# 511
Delta R.T. -0.000 min
Lab File: BN037180.D
Acq: 05 Jun 2025 14:32

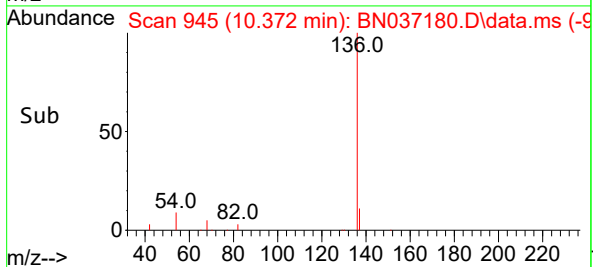
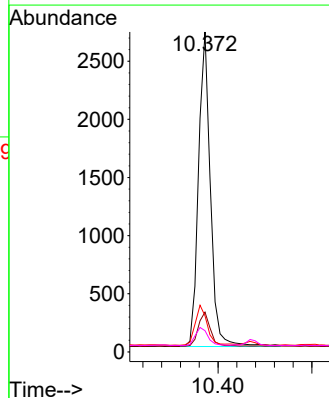
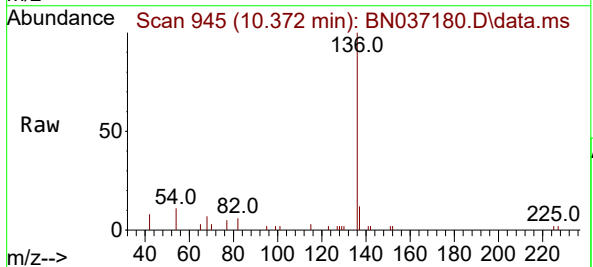
Instrument :
BNA_N
ClientSampleId :
MW-01-6.5-060325

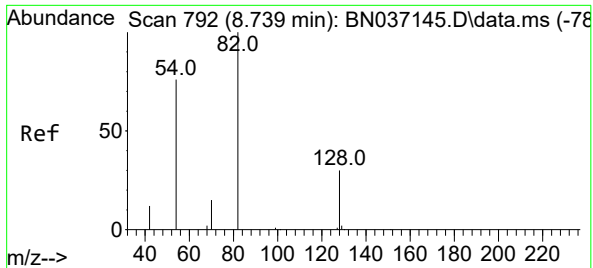
Tgt Ion:	99	Resp:	566
Ion	Ratio	Lower	Upper
99	100		
42	38.0	31.3	46.9
71	56.9	38.2	57.2



#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.372 min Scan# 945
Delta R.T. -0.000 min
Lab File: BN037180.D
Acq: 05 Jun 2025 14:32

Tgt Ion:	136	Resp:	4772
Ion	Ratio	Lower	Upper
136	100		
137	12.4	9.7	14.5
54	11.3	9.7	14.5
68	6.6	5.4	8.2

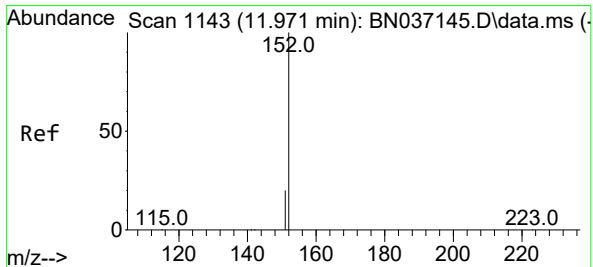
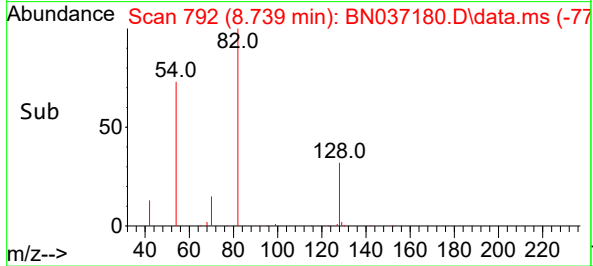
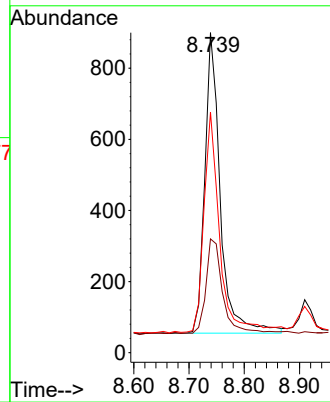
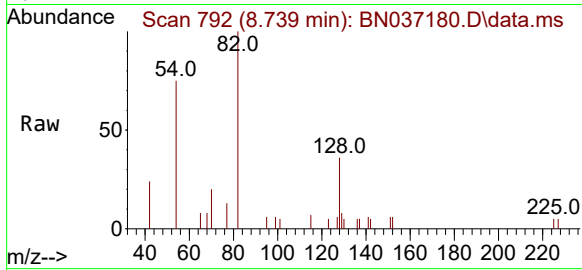




#8
Nitrobenzene-d5
Concen: 0.328 ng
RT: 8.739 min Scan# 792
Delta R.T. -0.000 min
Lab File: BN037180.D
Acq: 05 Jun 2025 14:32

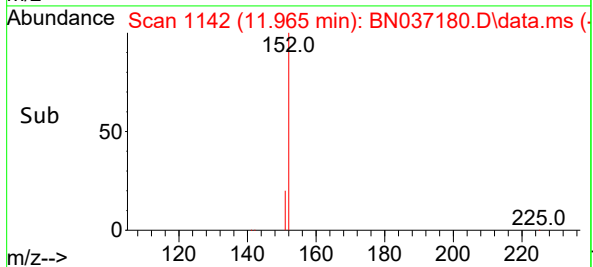
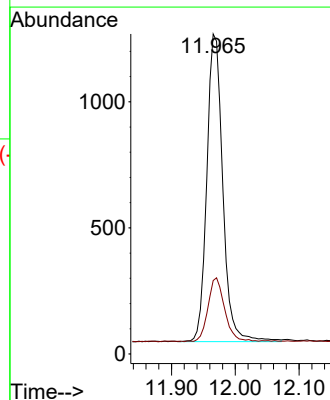
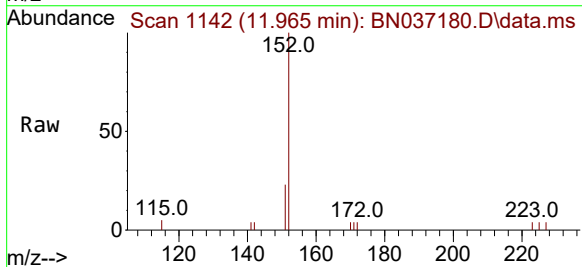
Instrument :
BNA_N
ClientSampleId :
MW-01-6.5-060325

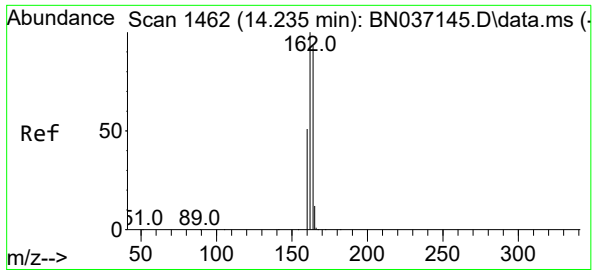
Tgt Ion:	82	Resp:	1652
Ion	Ratio	Lower	Upper
82	100		
128	35.6	26.9	40.3
54	75.2	61.4	92.2



#11
2-Methylnaphthalene-d10
Concen: 0.319 ng
RT: 11.965 min Scan# 1142
Delta R.T. -0.005 min
Lab File: BN037180.D
Acq: 05 Jun 2025 14:32

Tgt Ion:	152	Resp:	2122
Ion	Ratio	Lower	Upper
152	100		
151	21.7	17.1	25.7

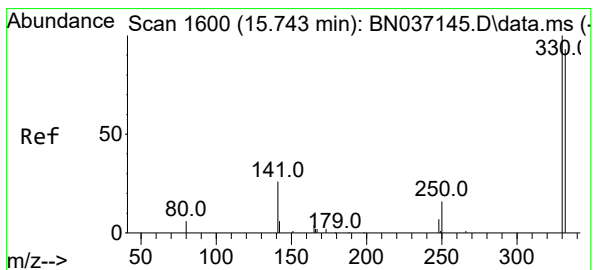
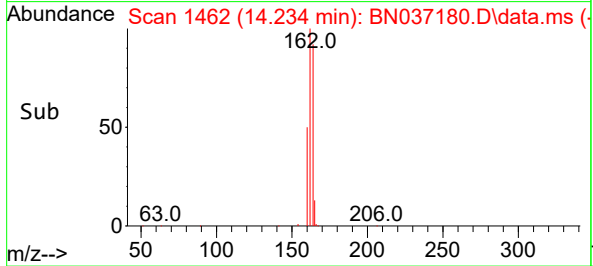
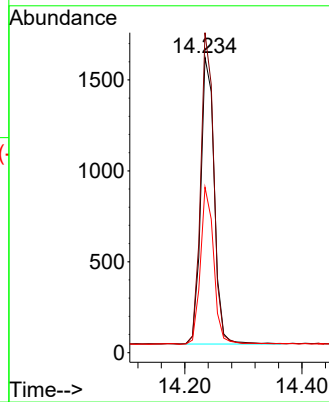
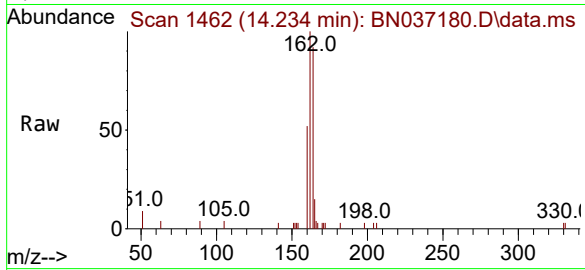




#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.234 min Scan# 1462
Delta R.T. -0.000 min
Lab File: BN037180.D
Acq: 05 Jun 2025 14:32

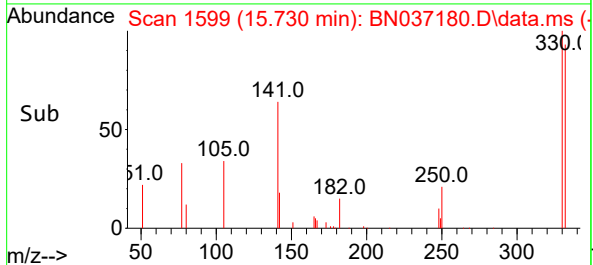
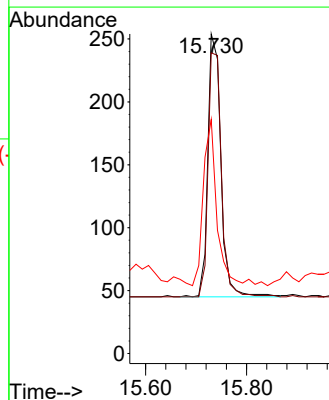
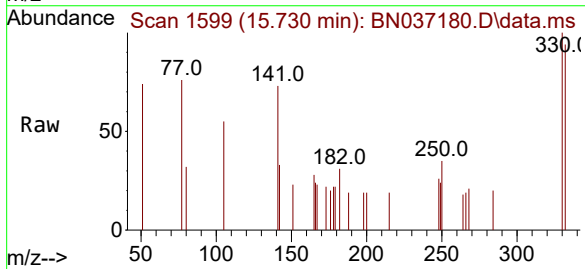
Instrument :
BNA_N
ClientSampleId :
MW-01-6.5-060325

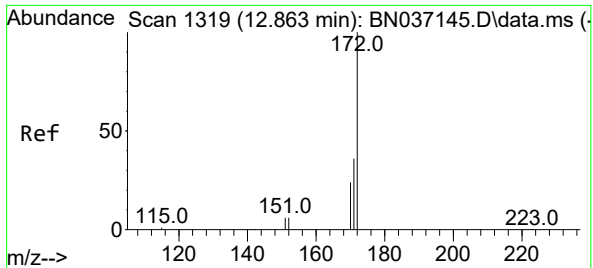
Tgt Ion:164 Resp: 2549
Ion Ratio Lower Upper
164 100
162 108.4 85.5 128.3
160 56.0 44.6 67.0



#14
2,4,6-Tribromophenol
Concen: 0.367 ng
RT: 15.730 min Scan# 1599
Delta R.T. -0.013 min
Lab File: BN037180.D
Acq: 05 Jun 2025 14:32

Tgt Ion:330 Resp: 377
Ion Ratio Lower Upper
330 100
332 95.0 77.1 115.7
141 64.5 46.4 69.6

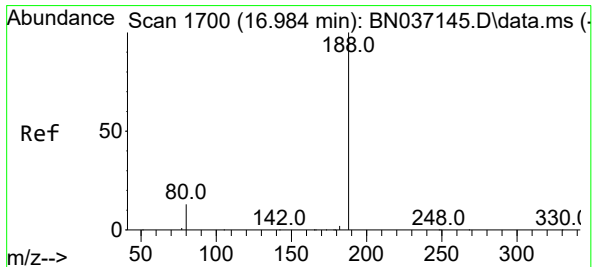
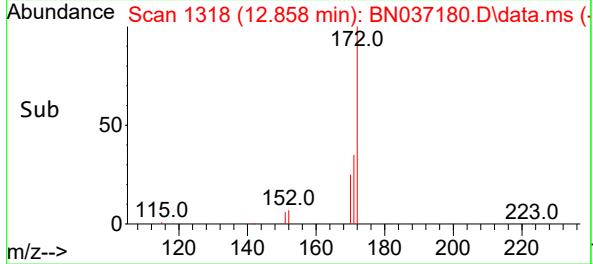
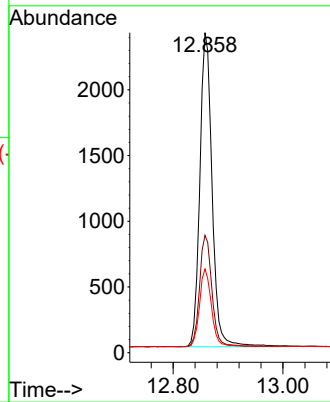
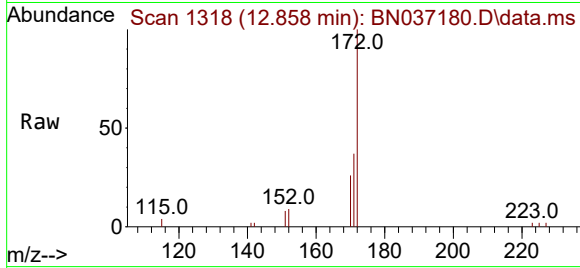




#15
2-Fluorobiphenyl
Concen: 0.340 ng
RT: 12.858 min Scan# 11
Delta R.T. -0.005 min
Lab File: BN037180.D
Acq: 05 Jun 2025 14:32

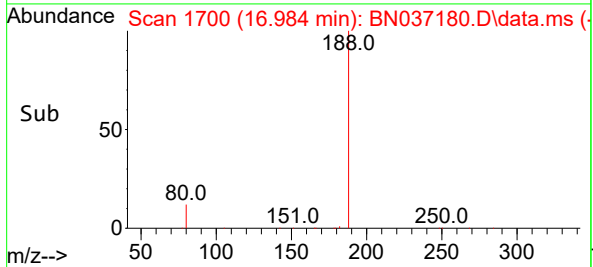
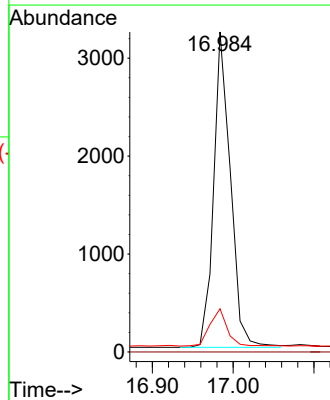
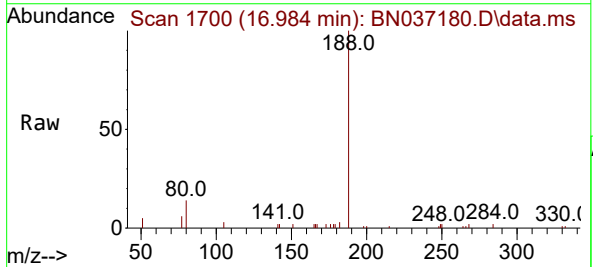
Instrument :
BNA_N
ClientSampleId :
MW-01-6.5-060325

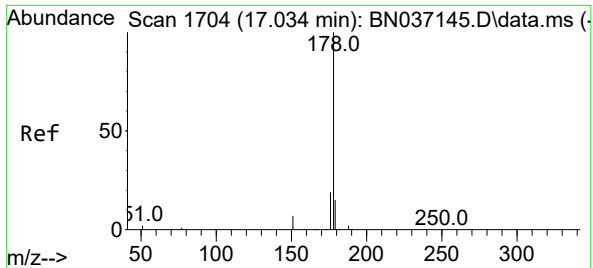
Tgt Ion:	172	Resp:	3699
Ion	Ratio	Lower	Upper
172	100		
171	36.7	29.6	44.4
170	26.2	20.3	30.5



#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 16.984 min Scan# 1700
Delta R.T. -0.000 min
Lab File: BN037180.D
Acq: 05 Jun 2025 14:32

Tgt Ion:	188	Resp:	4645
Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	13.5	11.3	16.9

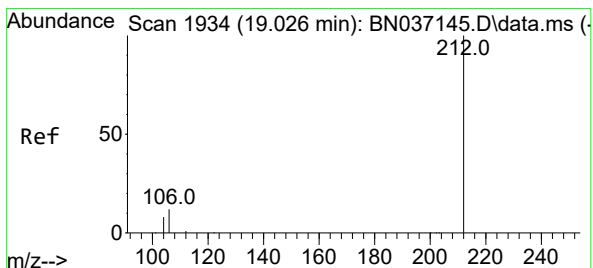
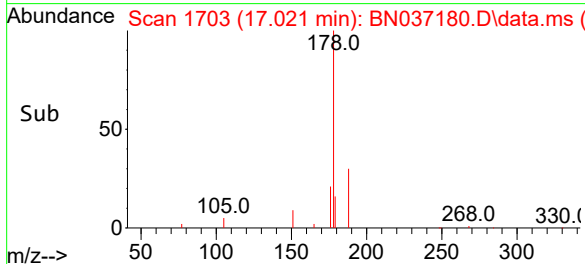
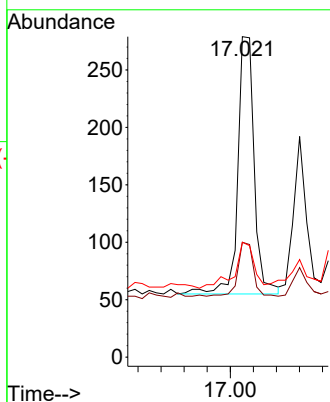
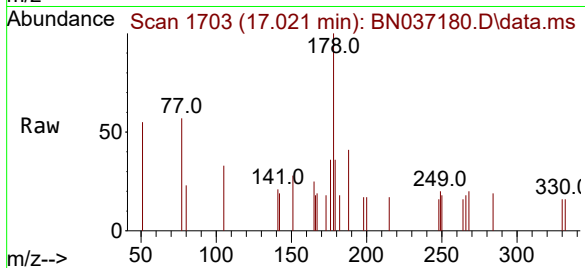




#25
Phenanthrene
Concen: 0.029 ng
RT: 17.021 min Scan# 1703
Delta R.T. -0.013 min
Lab File: BN037180.D
Acq: 05 Jun 2025 14:32

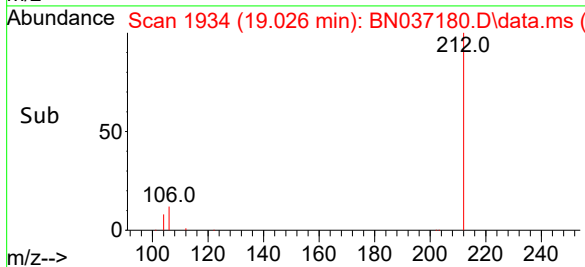
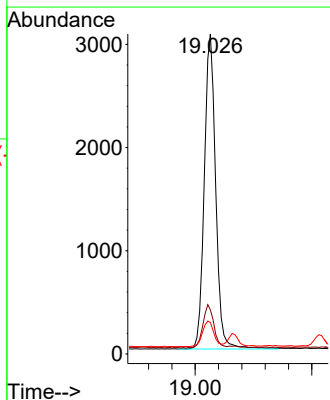
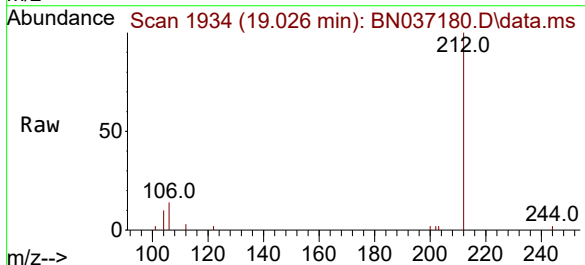
Instrument :
BNA_N
ClientSampleId :
MW-01-6.5-060325

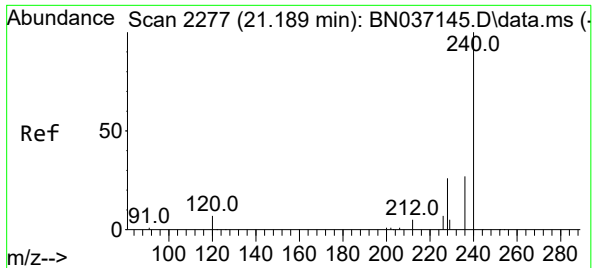
Tgt Ion:178 Resp: 442
Ion Ratio Lower Upper
178 100
176 20.6 15.7 23.5
179 21.7 12.3 18.5#



#27
Fluoranthene-d10
Concen: 0.352 ng
RT: 19.026 min Scan# 1934
Delta R.T. -0.000 min
Lab File: BN037180.D
Acq: 05 Jun 2025 14:32

Tgt Ion:212 Resp: 4158
Ion Ratio Lower Upper
212 100
106 13.4 10.6 15.8
104 8.1 6.6 9.8





#29

Chrysene-d12

Concen: 0.400 ng

RT: 21.189 min Scan# 21

Delta R.T. -0.000 min

Lab File: BN037180.D

Acq: 05 Jun 2025 14:32

Instrument :

BNA_N

ClientSampleId :

MW-01-6.5-060325

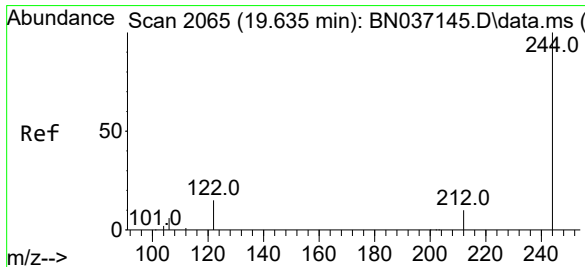
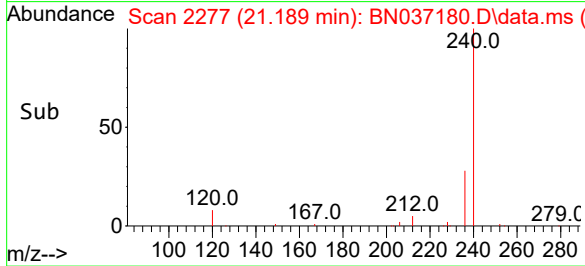
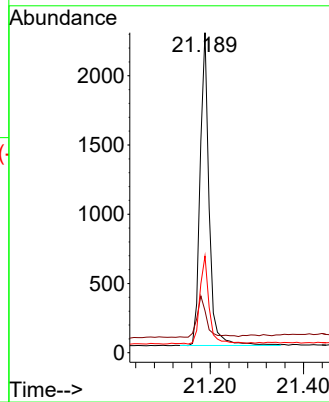
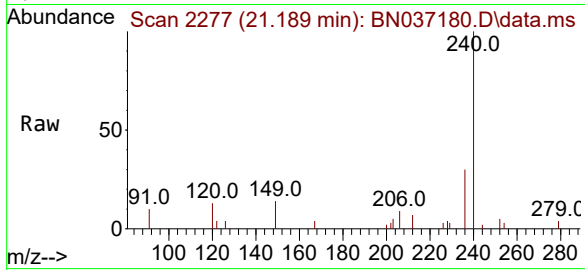
Tgt Ion:240 Resp: 3039

Ion Ratio Lower Upper

240 100

120 13.1 9.0 13.4

236 30.2 23.0 34.4



#31

Terphenyl-d14

Concen: 0.431 ng

RT: 19.630 min Scan# 2064

Delta R.T. -0.005 min

Lab File: BN037180.D

Acq: 05 Jun 2025 14:32

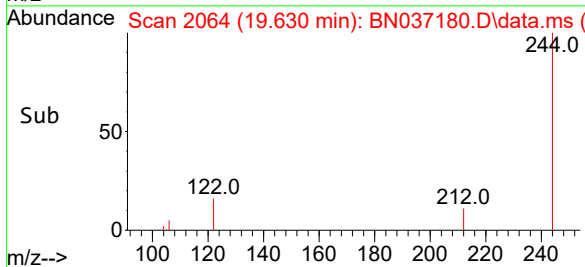
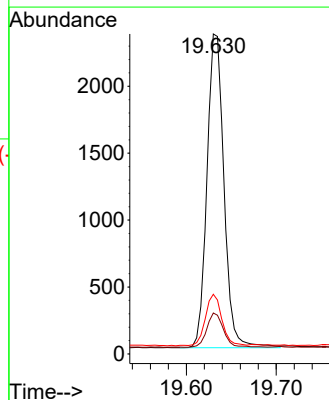
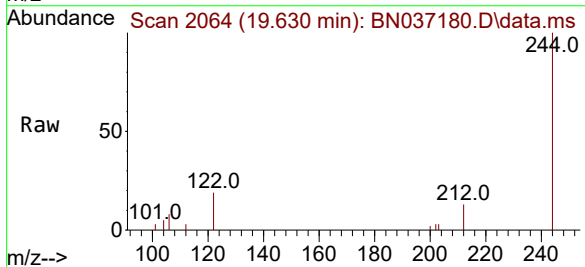
Tgt Ion:244 Resp: 3085

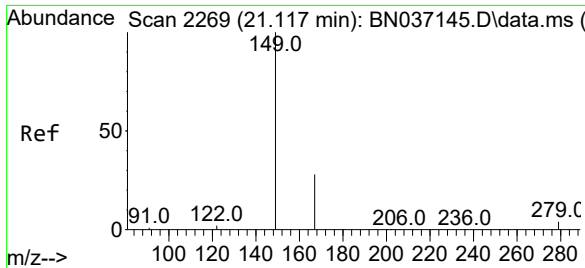
Ion Ratio Lower Upper

244 100

212 12.8 10.0 15.0

122 18.7 13.2 19.8

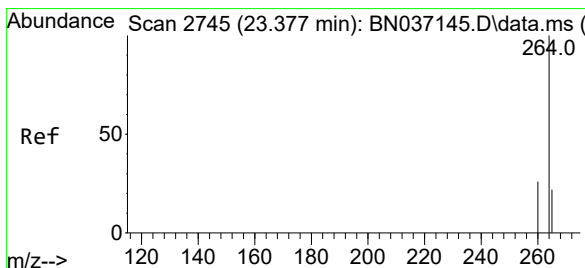
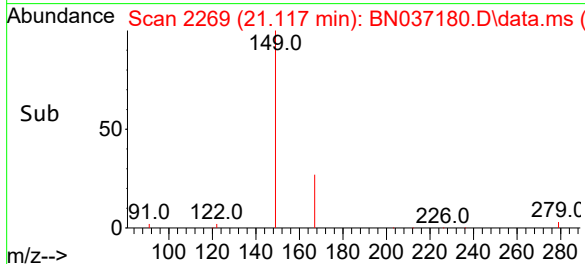
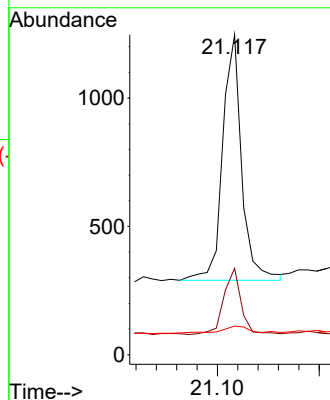
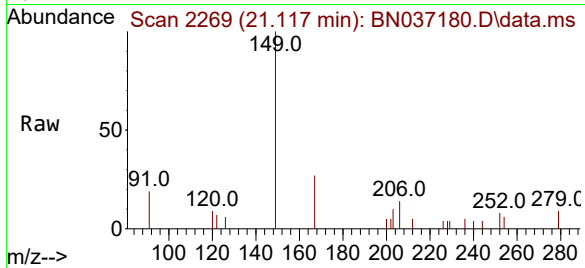




#34
Bis(2-ethylhexyl)phthalate
Concen: 0.179 ng
RT: 21.117 min Scan# 2117
Delta R.T. -0.000 min
Lab File: BN037180.D
Acq: 05 Jun 2025 14:32

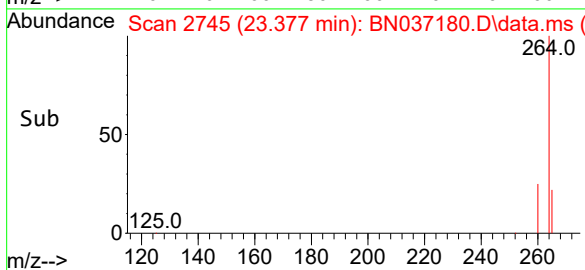
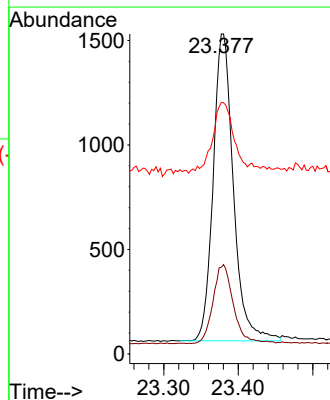
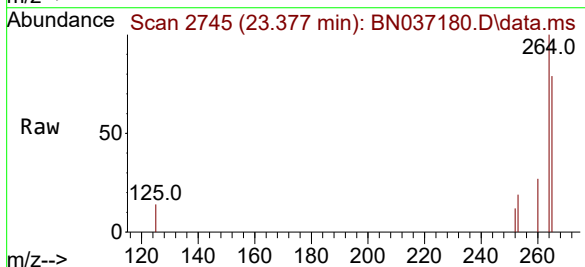
Instrument :
BNA_N
ClientSampleId :
MW-01-6.5-060325

Tgt Ion:149 Resp: 1241
Ion Ratio Lower Upper
149 100
167 24.8 21.0 31.4
279 3.6 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: BN037180.D
Acq: 05 Jun 2025 14:32

Tgt Ion:264 Resp: 2764
Ion Ratio Lower Upper
264 100
260 27.1 22.1 33.1
265 78.6 55.8 83.8



Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN060525\
 Data File : BN037181.D
 Acq On : 05 Jun 2025 15:08
 Operator : RC/JU
 Sample : Q2200-05
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 MW-11B-37.5-060325

A
B
C
D
E
F
G
H
I
J
K

Quant Time: Jun 05 15:42:26 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)

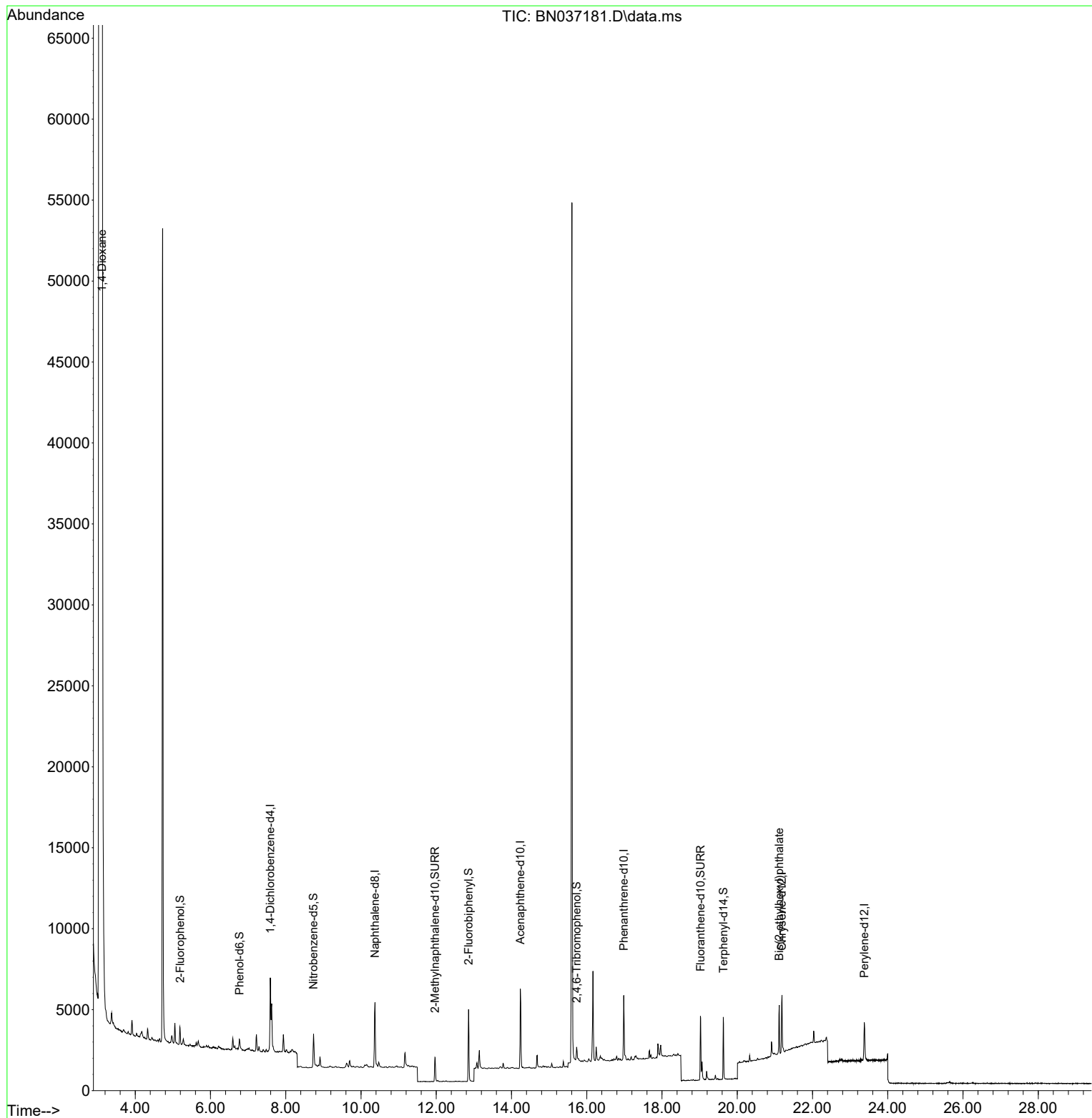
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.589	152	2014	0.400	ng	0.00
7) Naphthalene-d8	10.372	136	5256	0.400	ng	0.00
13) Acenaphthene-d10	14.235	164	2798	0.400	ng	0.00
19) Phenanthrene-d10	16.984	188	4922	0.400	ng	0.00
29) Chrysene-d12	21.189	240	3314	0.400	ng	# 0.00
35) Perylene-d12	23.377	264	3148	0.400	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.192	112	778	0.156	ng	0.00
5) Phenol-d6	6.773	99	531	0.088	ng	0.00
8) Nitrobenzene-d5	8.739	82	1803	0.325	ng	0.00
11) 2-Methylnaphthalene-d10	11.966	152	2201	0.301	ng	0.00
14) 2,4,6-Tribromophenol	15.730	330	423	0.375	ng	-0.01
15) 2-Fluorobiphenyl	12.858	172	3823	0.320	ng	0.00
27) Fluoranthene-d10	19.022	212	4519	0.361	ng	0.00
31) Terphenyl-d14	19.630	244	3411	0.437	ng	0.00
Target Compounds						
2) 1,4-Dioxane	3.119	88	57659	21.478	ng	Qvalue 98
34) Bis(2-ethylhexyl)phtha...	21.117	149	2890	0.382	ng	98

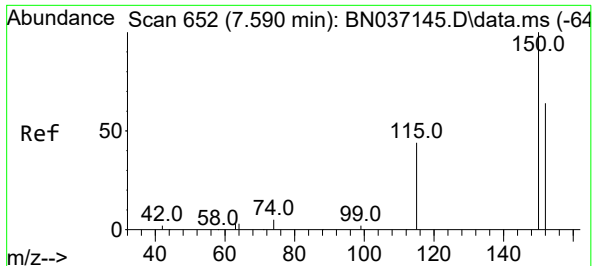
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN060525\
Data File : BN037181.D
Acq On : 05 Jun 2025 15:08
Operator : RC/JU
Sample : Q2200-05
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
MW-11B-37.5-060325

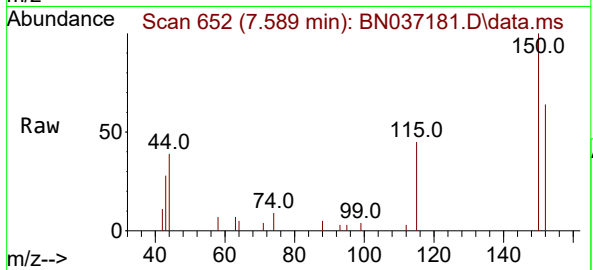
Quant Time: Jun 05 15:42:26 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN060325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jun 04 01:52:03 2025
Response via : Initial Calibration



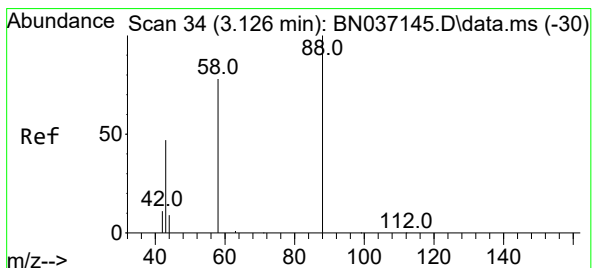
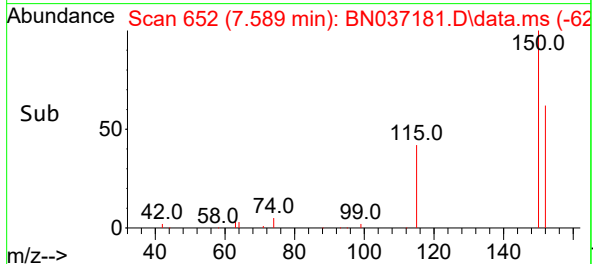
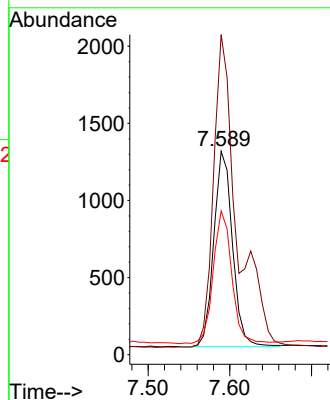


#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.589 min Scan# 61
Delta R.T. -0.001 min
Lab File: BN037181.D
Acq: 05 Jun 2025 15:08

Instrument :
BNA_N
ClientSampleId :
MW-11B-37.5-060325

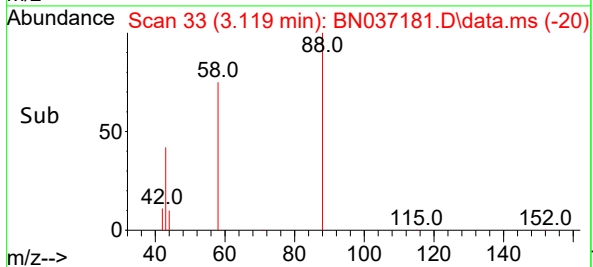
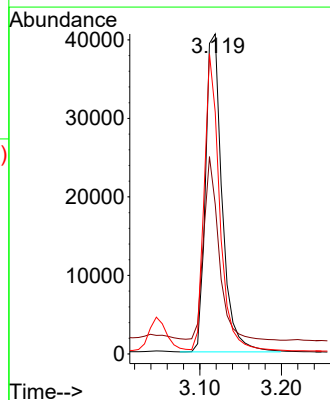
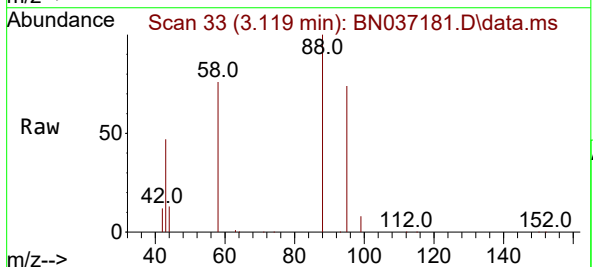


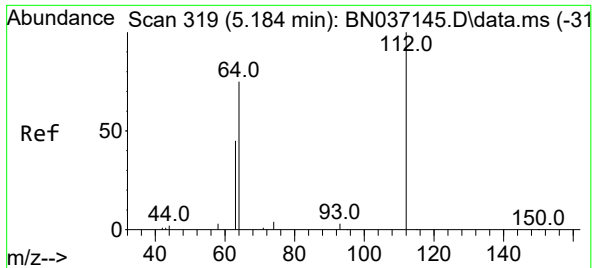
Tgt Ion:152 Resp: 2014
Ion Ratio Lower Upper
152 100
150 157.3 123.2 184.8
115 70.7 56.6 85.0



#2
1,4-Dioxane
Concen: 21.478 ng
RT: 3.119 min Scan# 33
Delta R.T. -0.007 min
Lab File: BN037181.D
Acq: 05 Jun 2025 15:08

Tgt Ion: 88 Resp: 57659
Ion Ratio Lower Upper
88 100
43 52.9 43.5 65.3
58 85.7 67.7 101.5

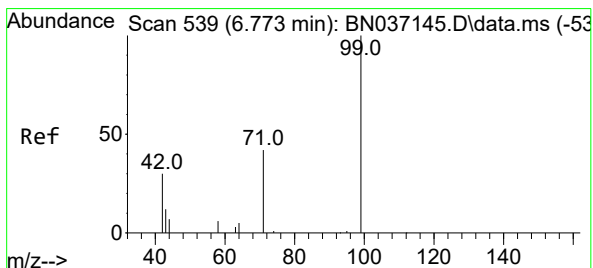
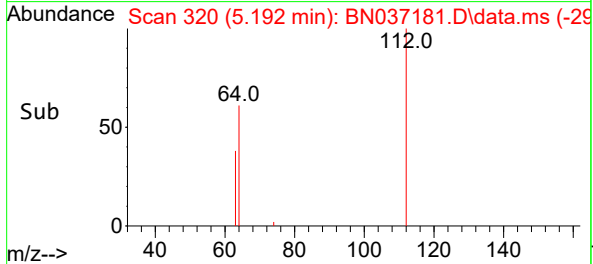
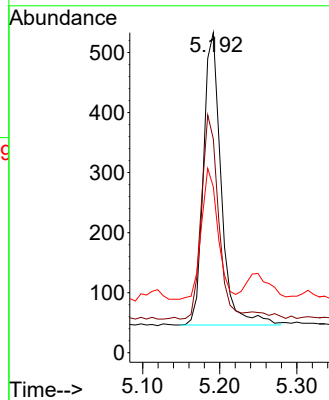
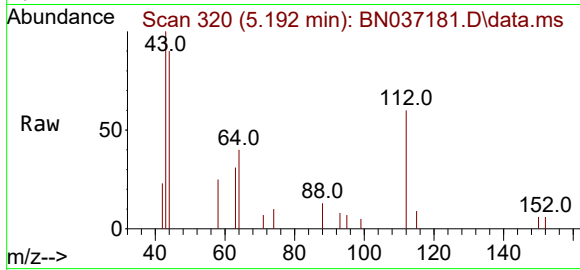




#4
2-Fluorophenol
Concen: 0.156 ng
RT: 5.192 min Scan# 319
Delta R.T. 0.007 min
Lab File: BN037181.D
Acq: 05 Jun 2025 15:08

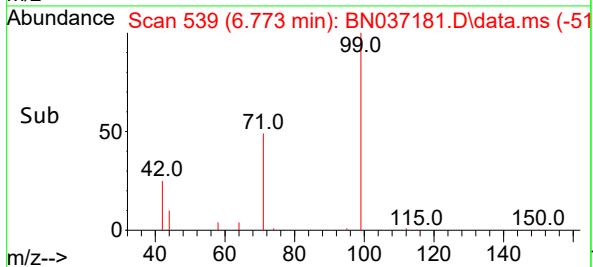
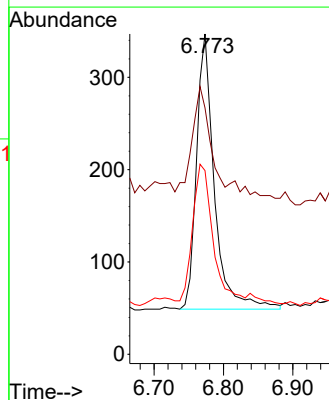
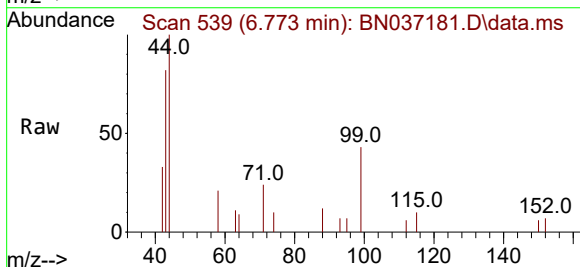
Instrument :
BNA_N
ClientSampleId :
MW-11B-37.5-060325

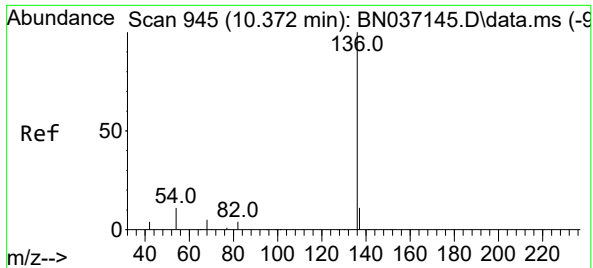
Tgt Ion:	112	Resp:	778
Ion	Ratio	Lower	Upper
112	100		
64	67.6	56.3	84.5
63	41.9	36.2	54.4



#5
Phenol-d6
Concen: 0.088 ng
RT: 6.773 min Scan# 539
Delta R.T. -0.000 min
Lab File: BN037181.D
Acq: 05 Jun 2025 15:08

Tgt Ion:	99	Resp:	531
Ion	Ratio	Lower	Upper
99	100		
42	48.2	31.3	46.9#
71	55.2	38.2	57.2

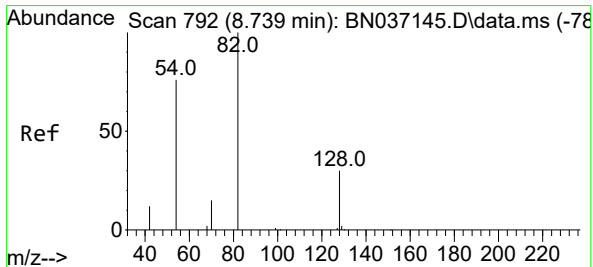
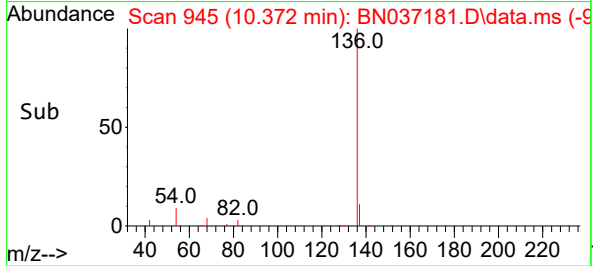
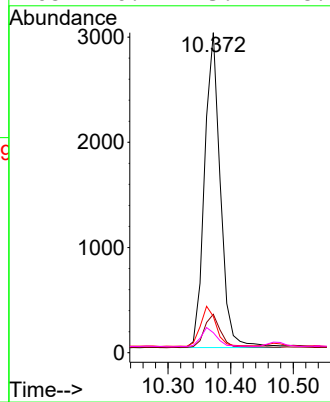
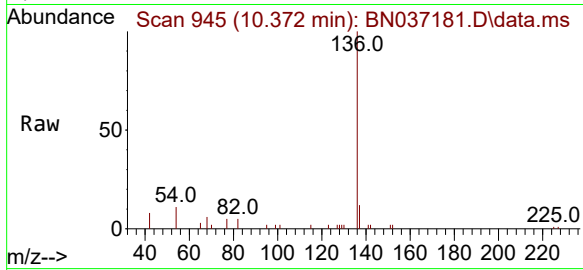




#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.372 min Scan# 945
Delta R.T. -0.000 min
Lab File: BN037181.D
Acq: 05 Jun 2025 15:08

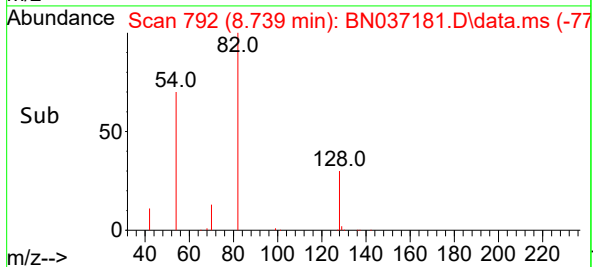
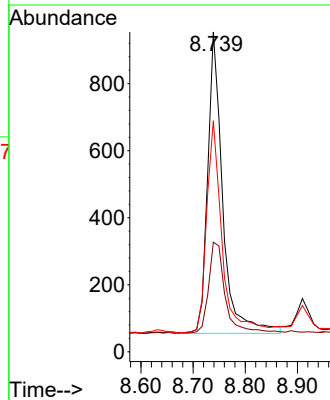
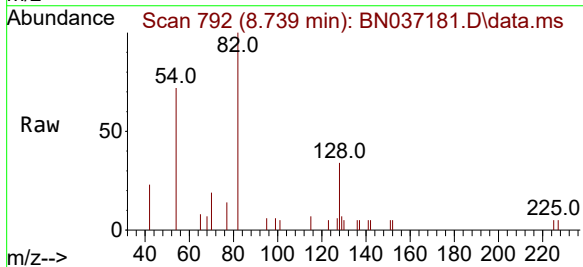
Instrument :
BNA_N
ClientSampleId :
MW-11B-37.5-060325

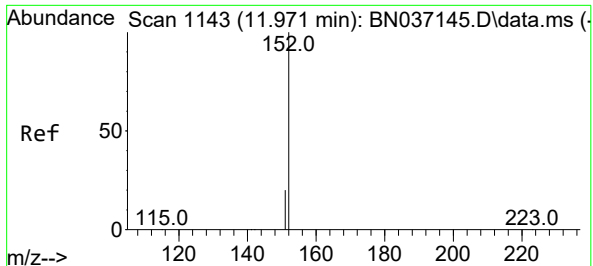
Tgt Ion:	136	Resp:	5256
Ion	Ratio	Lower	Upper
136	100		
137	12.0	9.7	14.5
54	11.4	9.7	14.5
68	6.2	5.4	8.2



#8
Nitrobenzene-d5
Concen: 0.325 ng
RT: 8.739 min Scan# 792
Delta R.T. -0.000 min
Lab File: BN037181.D
Acq: 05 Jun 2025 15:08

Tgt Ion:	82	Resp:	1803
Ion	Ratio	Lower	Upper
82	100		
128	34.3	26.9	40.3
54	72.2	61.4	92.2

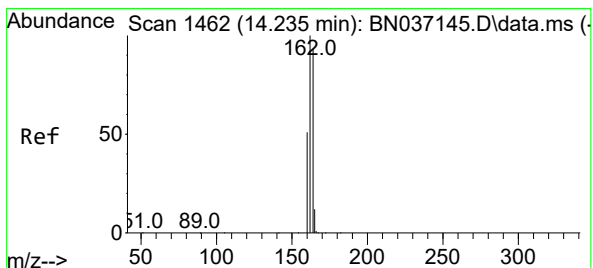
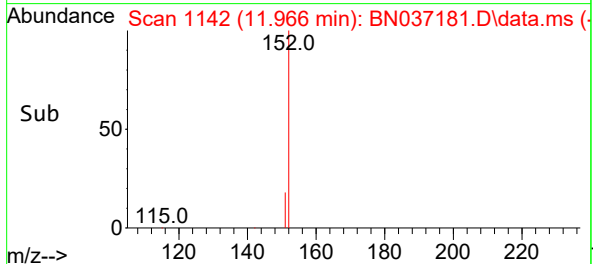
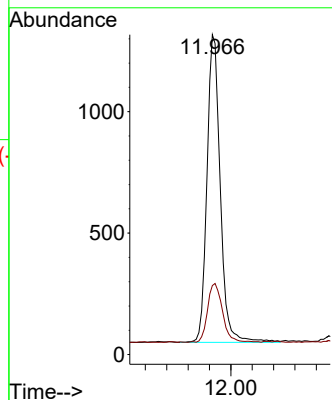
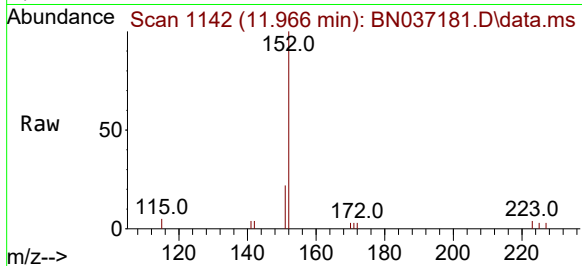




#11
2-Methylnaphthalene-d10
Concen: 0.301 ng
RT: 11.966 min Scan# 1142
Delta R.T. -0.005 min
Lab File: BN037181.D
Acq: 05 Jun 2025 15:08

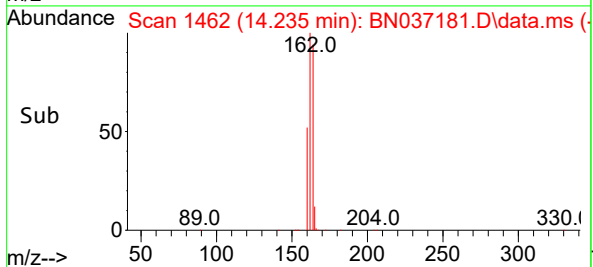
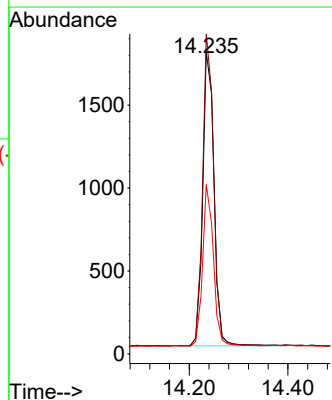
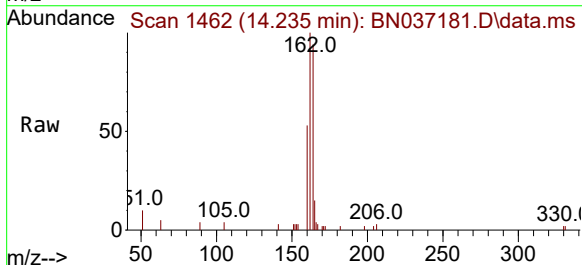
Instrument :
BNA_N
ClientSampleId :
MW-11B-37.5-060325

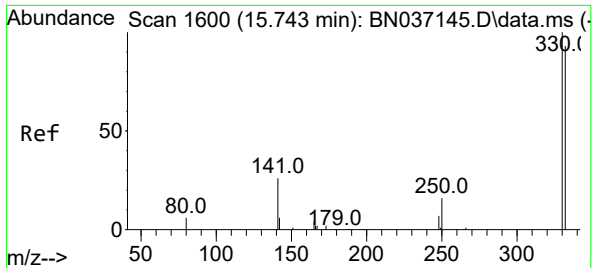
Tgt Ion:152 Resp: 2201
Ion Ratio Lower Upper
152 100
151 21.6 17.1 25.7



#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.235 min Scan# 1462
Delta R.T. -0.000 min
Lab File: BN037181.D
Acq: 05 Jun 2025 15:08

Tgt Ion:164 Resp: 2798
Ion Ratio Lower Upper
164 100
162 106.1 85.5 128.3
160 56.2 44.6 67.0

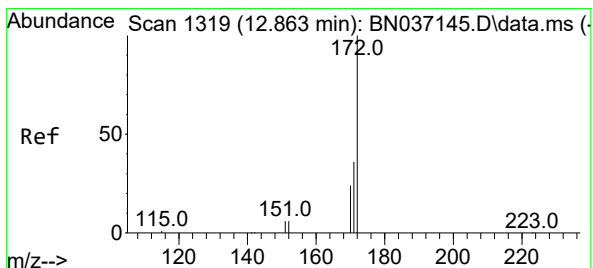
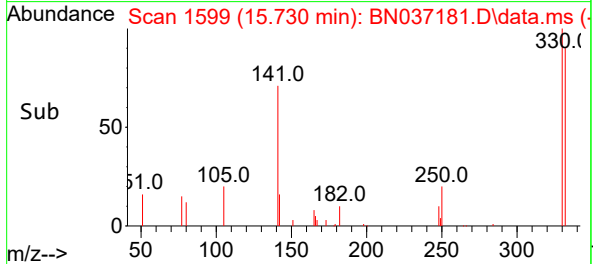
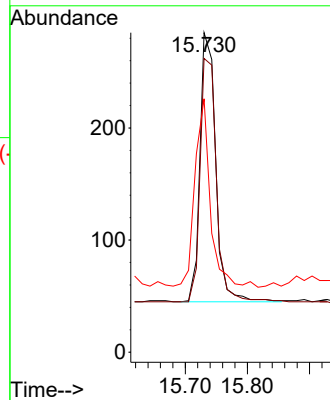
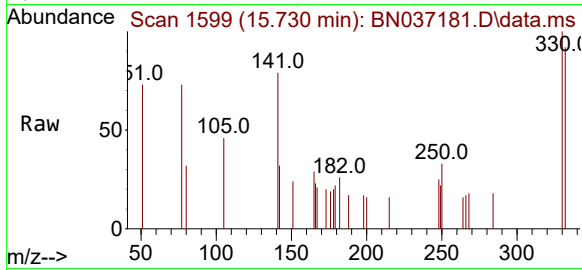




#14
2,4,6-Tribromophenol
Concen: 0.375 ng
RT: 15.730 min Scan# 11
Delta R.T. -0.012 min
Lab File: BN037181.D
Acq: 05 Jun 2025 15:08

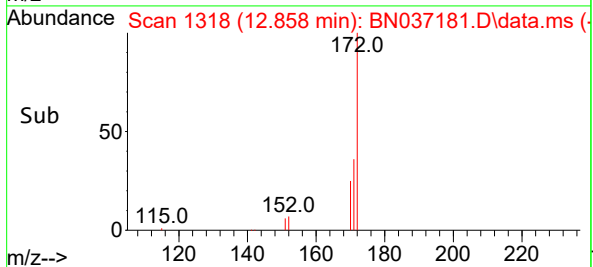
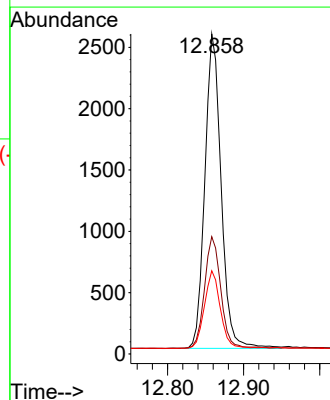
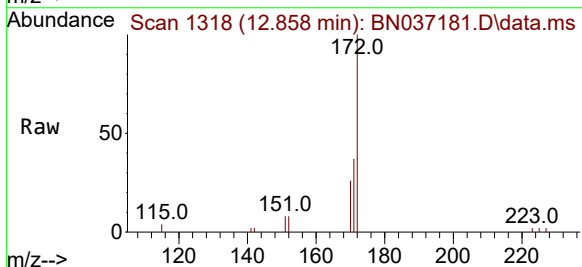
Instrument :
BNA_N
ClientSampleId :
MW-11B-37.5-060325

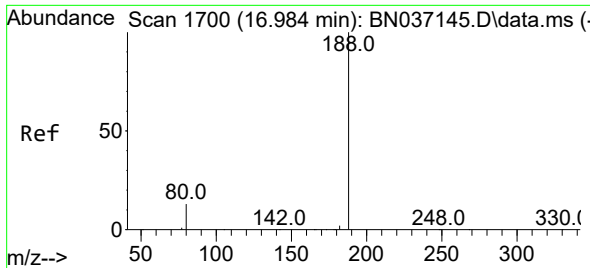
Tgt Ion:	330	Resp:	423
Ion Ratio	Lower	Upper	
330	100		
332	93.9	77.1	115.7
141	68.6	46.4	69.6



#15
2-Fluorobiphenyl
Concen: 0.320 ng
RT: 12.858 min Scan# 1318
Delta R.T. -0.005 min
Lab File: BN037181.D
Acq: 05 Jun 2025 15:08

Tgt Ion:	172	Resp:	3823
Ion Ratio	Lower	Upper	
172	100		
171	36.6	29.6	44.4
170	26.0	20.3	30.5





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 16.984 min Scan# 11

Delta R.T. -0.000 min

Lab File: BN037181.D

Acq: 05 Jun 2025 15:08

Instrument :

BNA_N

ClientSampleId :

MW-11B-37.5-060325

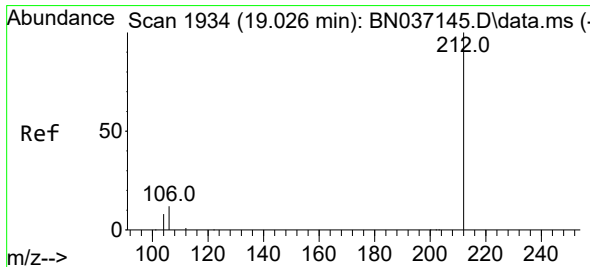
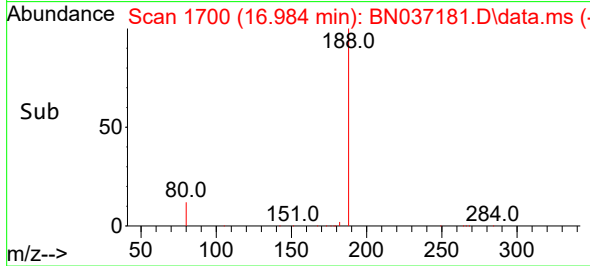
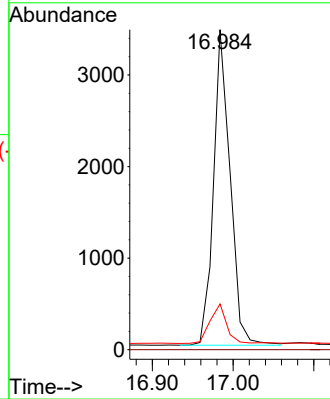
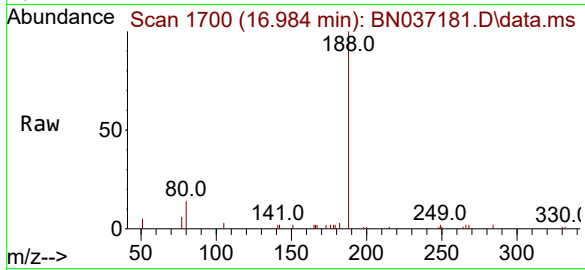
Tgt Ion:188 Resp: 4922

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

80 14.3 11.3 16.9



#27

Fluoranthene-d10

Concen: 0.361 ng

RT: 19.022 min Scan# 1933

Delta R.T. -0.005 min

Lab File: BN037181.D

Acq: 05 Jun 2025 15:08

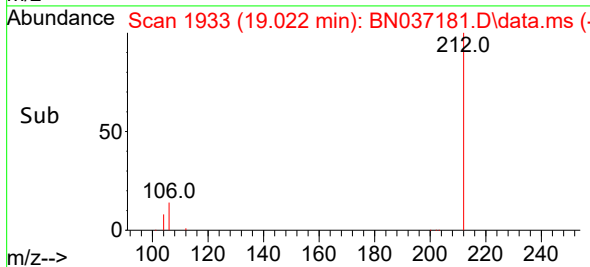
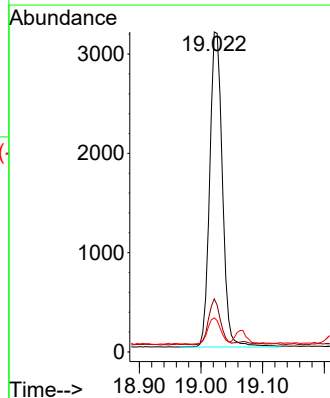
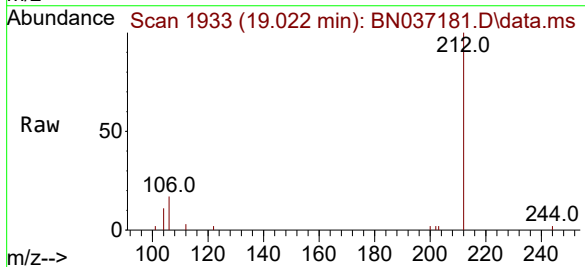
Tgt Ion:212 Resp: 4519

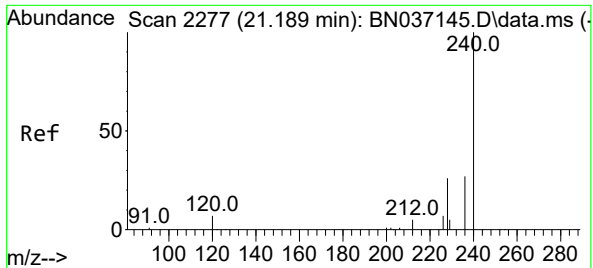
Ion Ratio Lower Upper

212 100

106 13.5 10.6 15.8

104 8.4 6.6 9.8





#29

Chrysene-d12

Concen: 0.400 ng

RT: 21.189 min Scan# 21

Delta R.T. -0.000 min

Lab File: BN037181.D

Acq: 05 Jun 2025 15:08

Instrument :

BNA_N

ClientSampleId :

MW-11B-37.5-060325

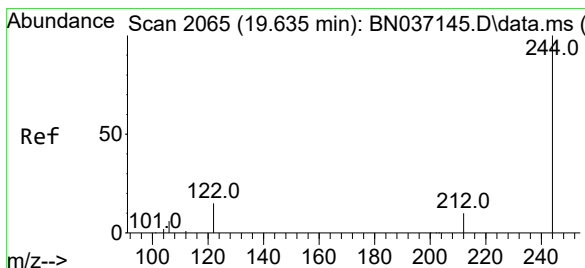
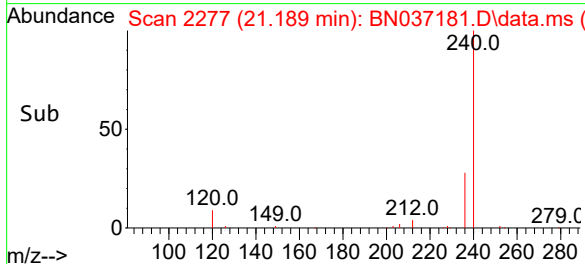
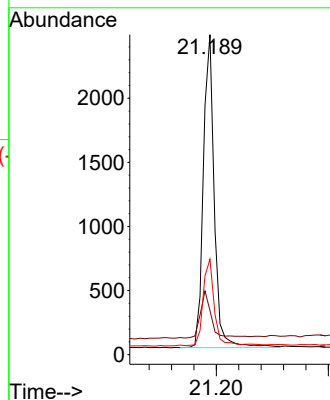
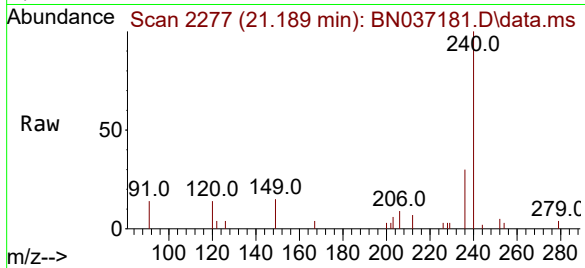
Tgt Ion:240 Resp: 3314

Ion Ratio Lower Upper

240 100

120 13.8 9.0 13.4#

236 29.8 23.0 34.4



#31

Terphenyl-d14

Concen: 0.437 ng

RT: 19.630 min Scan# 2064

Delta R.T. -0.005 min

Lab File: BN037181.D

Acq: 05 Jun 2025 15:08

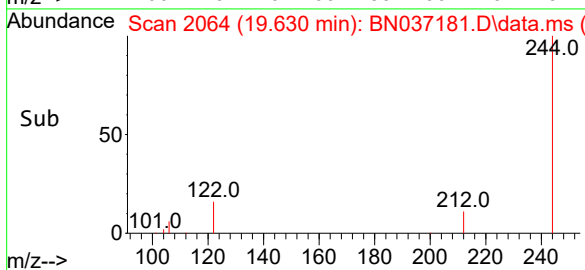
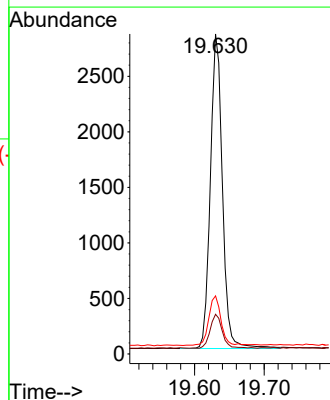
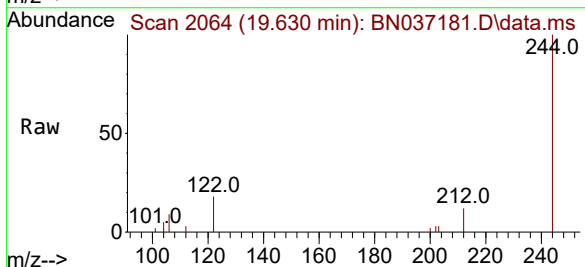
Tgt Ion:244 Resp: 3411

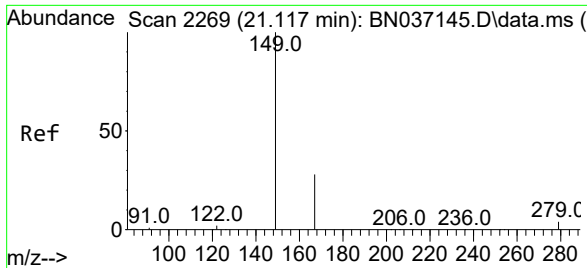
Ion Ratio Lower Upper

244 100

212 12.4 10.0 15.0

122 18.2 13.2 19.8

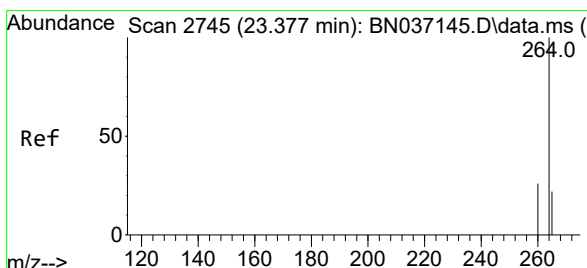
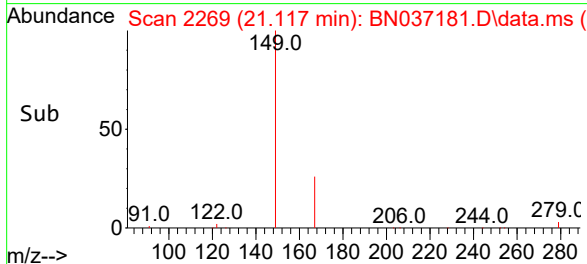
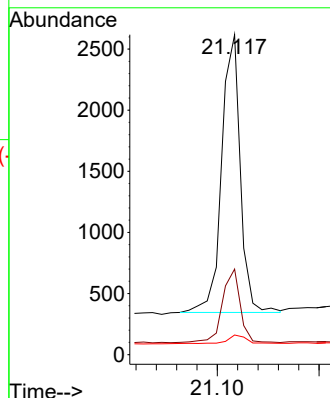
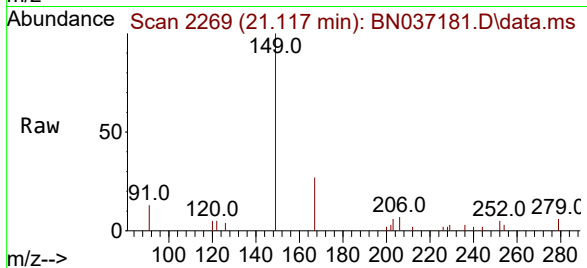




#34
Bis(2-ethylhexyl)phthalate
Concen: 0.382 ng
RT: 21.117 min Scan# 2117
Delta R.T. -0.000 min
Lab File: BN037181.D
Acq: 05 Jun 2025 15:08

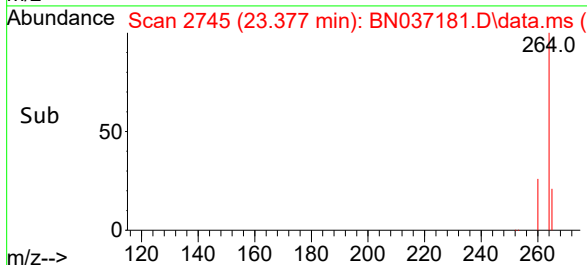
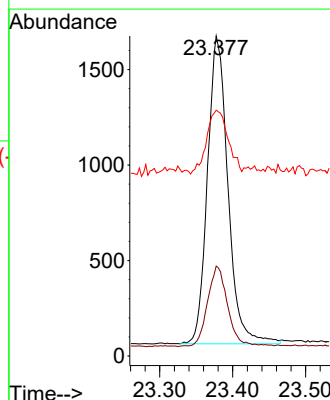
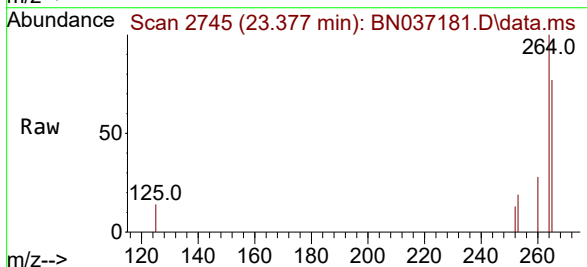
Instrument :
BNA_N
ClientSampleId :
MW-11B-37.5-060325

Tgt Ion:149 Resp: 2890
Ion Ratio Lower Upper
149 100
167 25.0 21.0 31.4
279 2.9 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: BN037181.D
Acq: 05 Jun 2025 15:08

Tgt Ion:264 Resp: 3148
Ion Ratio Lower Upper
264 100
260 28.1 22.1 33.1
265 76.8 55.8 83.8



Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN060525\
 Data File : BN037185.D
 Acq On : 05 Jun 2025 18:10
 Operator : RC/JU
 Sample : Q2200-05DL 10X
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 MW-11B-37.5-060325DL

Quant Time: Jun 05 18:41:19 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)

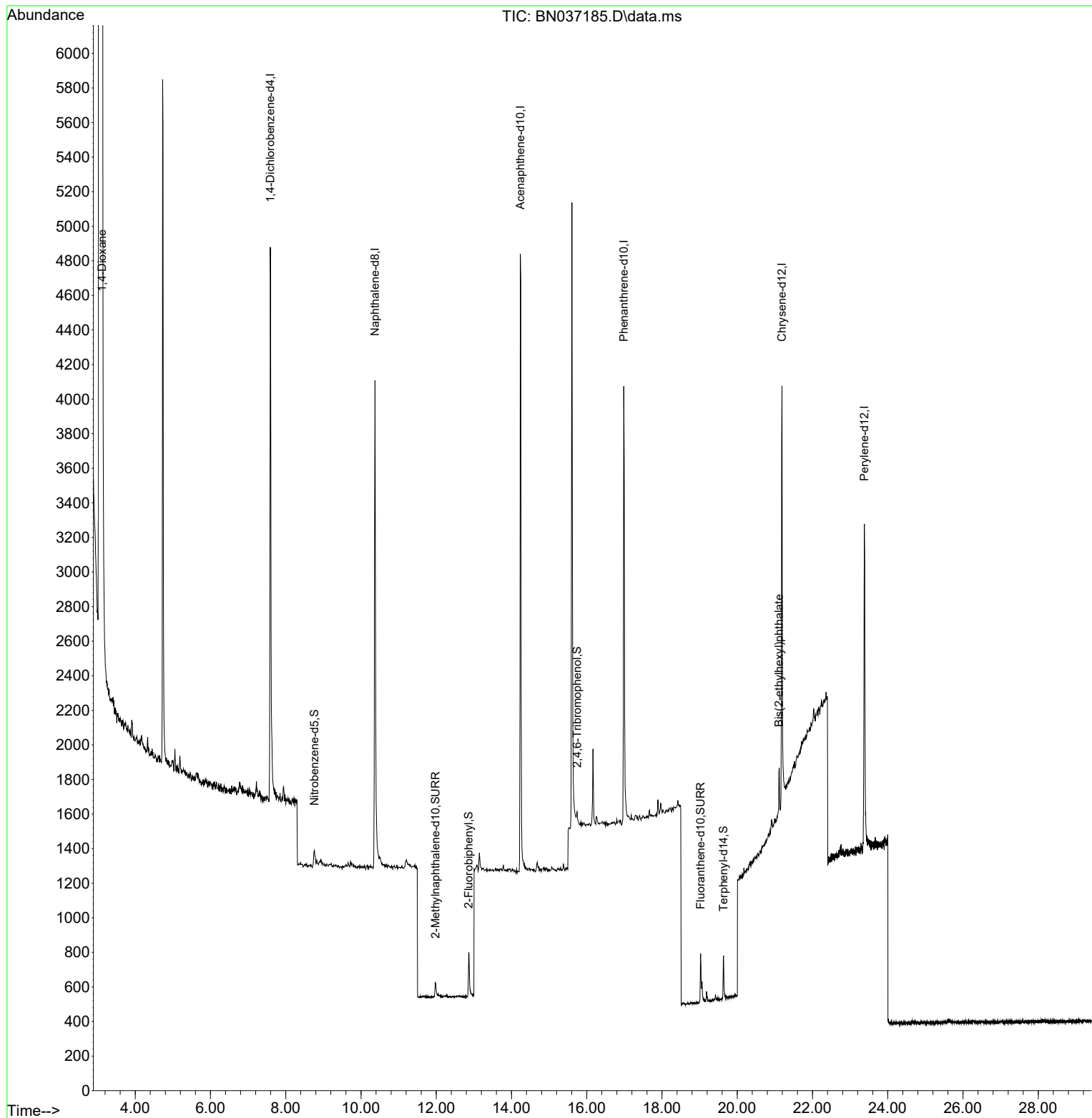
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.589	152	1668	0.400	ng	0.00
7) Naphthalene-d8	10.372	136	4203	0.400	ng	0.00
13) Acenaphthene-d10	14.234	164	2312	0.400	ng	0.00
19) Phenanthrene-d10	16.984	188	4171	0.400	ng	0.00
29) Chrysene-d12	21.188	240	2654	0.400	ng	0.00
35) Perylene-d12	23.377	264	2589	0.400	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.184	112	65	0.016	ng	0.00
5) Phenol-d6	6.773	99	43	0.009	ng	0.00
8) Nitrobenzene-d5	8.760	82	160	0.036	ng	0.02
11) 2-Methylnaphthalene-d10	11.981	152	181	0.031	ng	0.00
14) 2,4,6-Tribromophenol	15.742	330	42	0.045	ng	0.00
15) 2-Fluorobiphenyl	12.863	172	325	0.033	ng	0.00
27) Fluoranthene-d10	19.026	212	390	0.037	ng	0.00
31) Terphenyl-d14	19.635	244	283	0.045	ng	0.00
Target Compounds						
2) 1,4-Dioxane	3.119	88	5418	2.437	ng	99
34) Bis(2-ethylhexyl)phtha...	21.108	149	342	0.056	ng	# 88

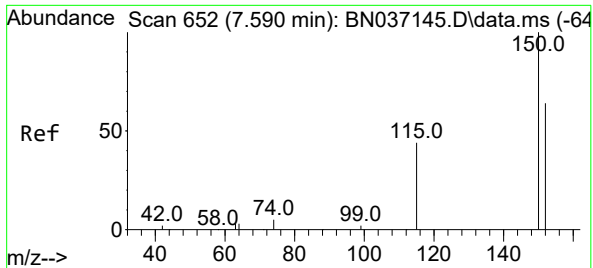
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN060525\
Data File : BN037185.D
Acq On : 05 Jun 2025 18:10
Operator : RC/JU
Sample : Q2200-05DL 10X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
MW-11B-37.5-060325DL

Quant Time: Jun 05 18:41:19 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

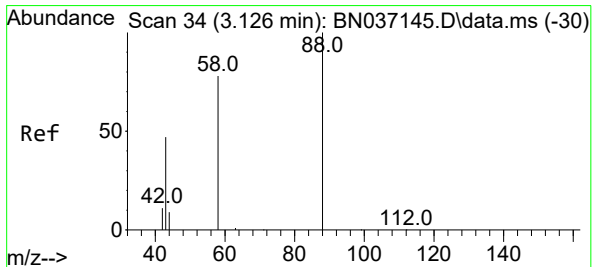
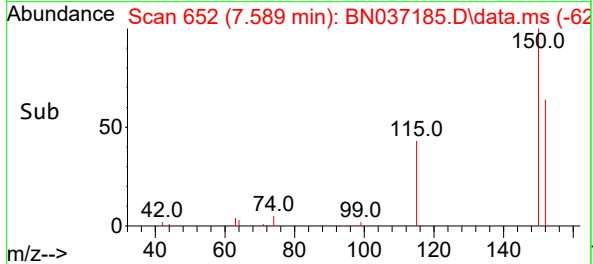
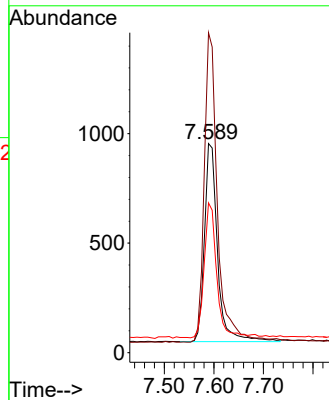
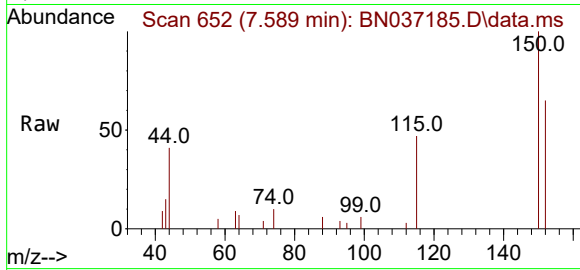




#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.589 min Scan# 61
Delta R.T. -0.001 min
Lab File: BN037185.D
Acq: 05 Jun 2025 18:10

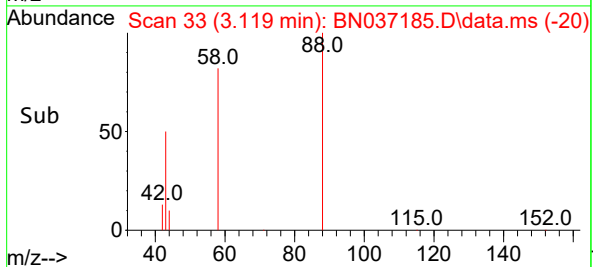
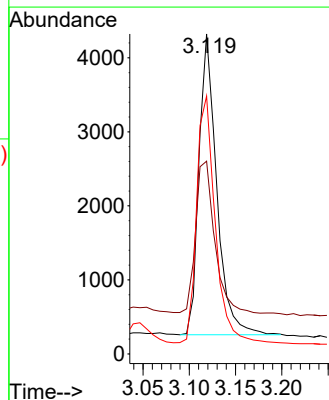
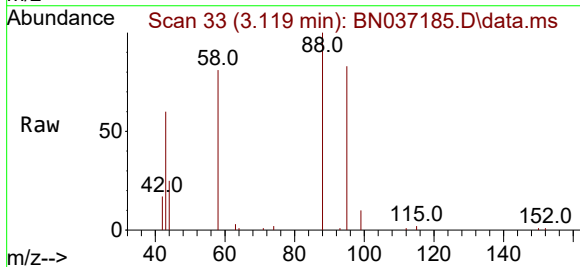
Instrument :
BNA_N
ClientSampleId :
MW-11B-37.5-060325DL

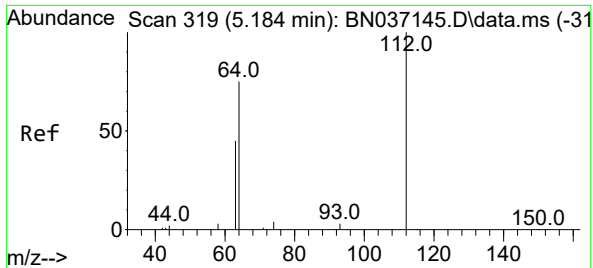
Tgt Ion:152 Resp: 1668
Ion Ratio Lower Upper
152 100
150 153.0 123.2 184.8
115 71.6 56.6 85.0



#2
1,4-Dioxane
Concen: 2.437 ng
RT: 3.119 min Scan# 33
Delta R.T. -0.007 min
Lab File: BN037185.D
Acq: 05 Jun 2025 18:10

Tgt Ion: 88 Resp: 5418
Ion Ratio Lower Upper
88 100
43 55.0 43.5 65.3
58 85.6 67.7 101.5

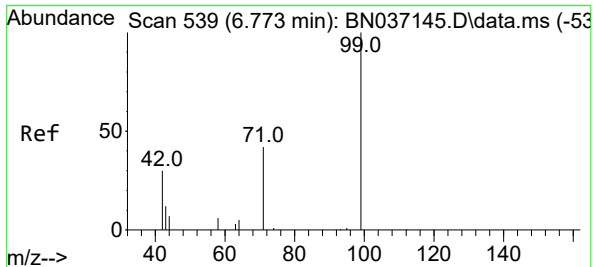
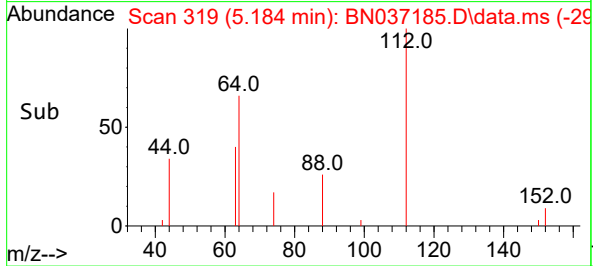
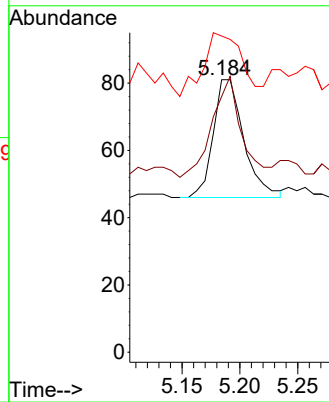
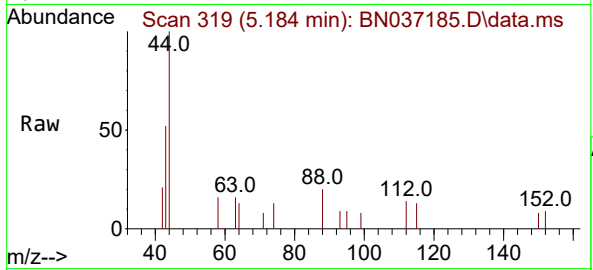




#4
2-Fluorophenol
Concen: 0.016 ng
RT: 5.184 min Scan# 319
Delta R.T. -0.000 min
Lab File: BN037185.D
Acq: 05 Jun 2025 18:10

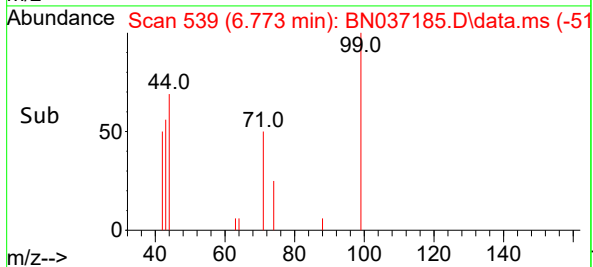
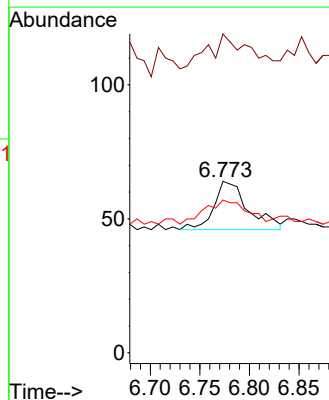
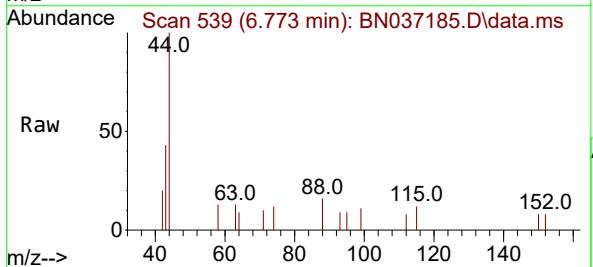
Instrument :
BNA_N
ClientSampleId :
MW-11B-37.5-060325DL

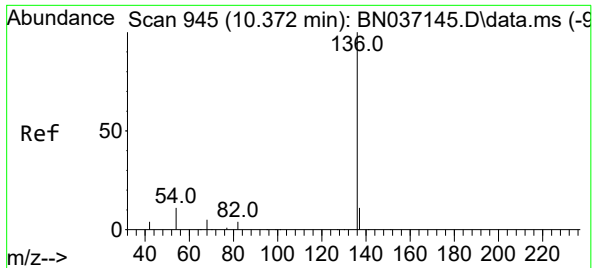
Tgt Ion:112 Resp: 65
Ion Ratio Lower Upper
112 100
64 78.5 56.3 84.5
63 64.6 36.2 54.4#



#5
Phenol-d6
Concen: 0.009 ng
RT: 6.773 min Scan# 539
Delta R.T. -0.000 min
Lab File: BN037185.D
Acq: 05 Jun 2025 18:10

Tgt Ion: 99 Resp: 43
Ion Ratio Lower Upper
99 100
42 83.7 31.3 46.9#
71 67.4 38.2 57.2#

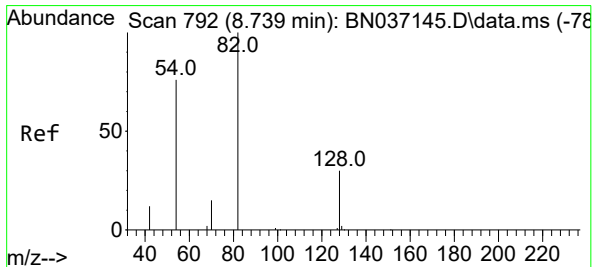
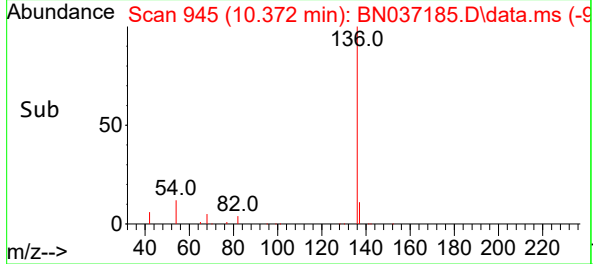
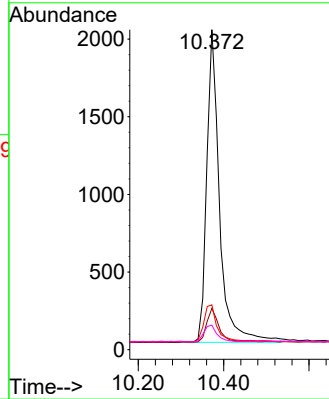
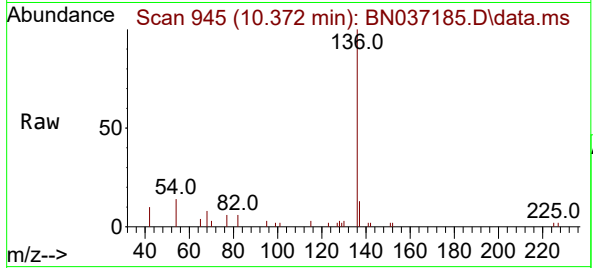




#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.372 min Scan# 945
Delta R.T. -0.000 min
Lab File: BN037185.D
Acq: 05 Jun 2025 18:10

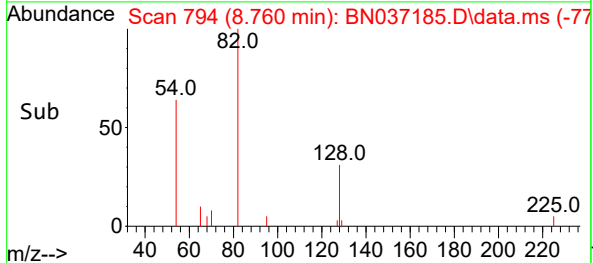
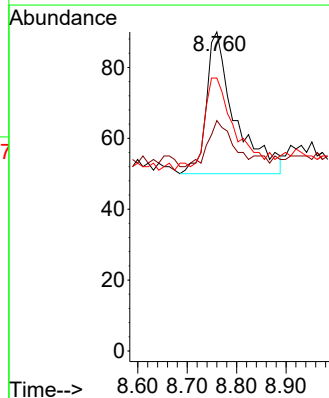
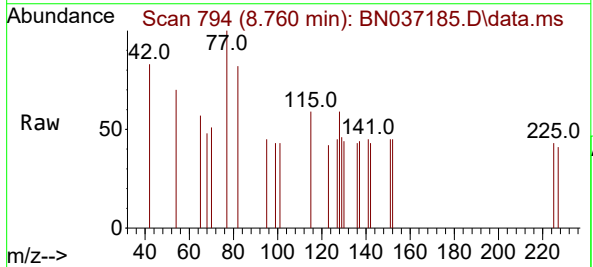
Instrument :
BNA_N
ClientSampleId :
MW-11B-37.5-060325DL

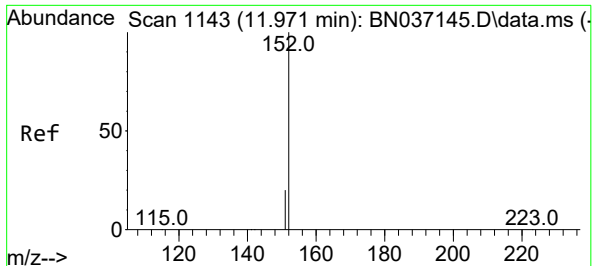
Tgt Ion:	136	Resp:	4203
Ion	Ratio	Lower	Upper
136	100		
137	12.9	9.7	14.5
54	14.0	9.7	14.5
68	7.7	5.4	8.2



#8
Nitrobenzene-d5
Concen: 0.036 ng
RT: 8.760 min Scan# 794
Delta R.T. 0.021 min
Lab File: BN037185.D
Acq: 05 Jun 2025 18:10

Tgt Ion:	82	Resp:	160
Ion	Ratio	Lower	Upper
82	100		
128	72.2	26.9	40.3#
54	85.6	61.4	92.2

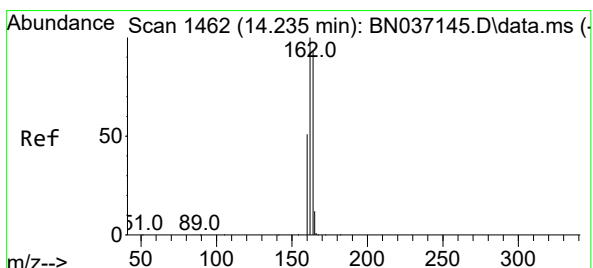
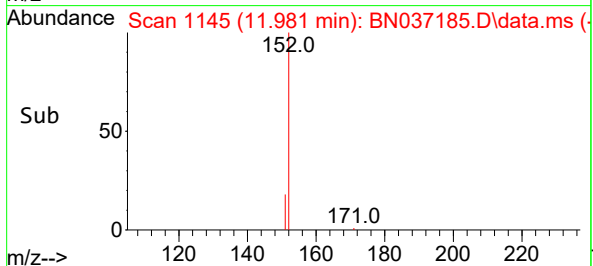
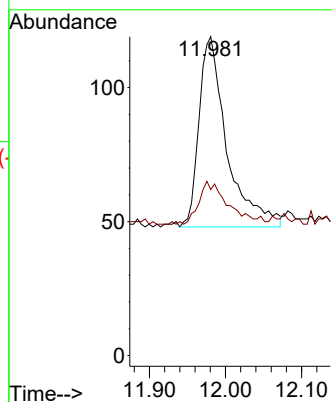
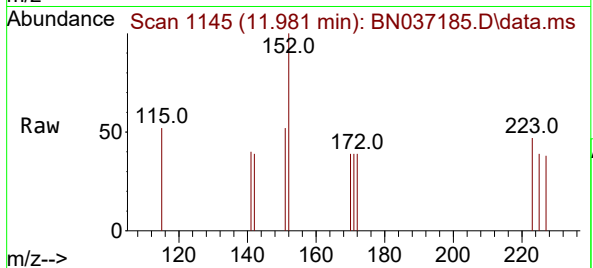




#11
2-Methylnaphthalene-d10
Concen: 0.031 ng
RT: 11.981 min Scan# 1145
Delta R.T. 0.010 min
Lab File: BN037185.D
Acq: 05 Jun 2025 18:10

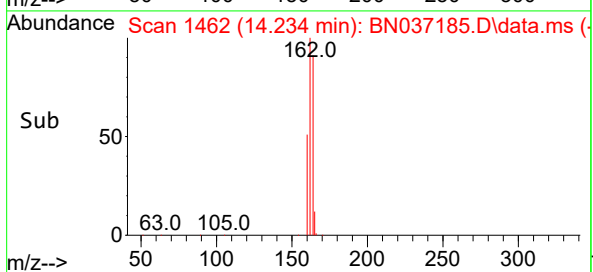
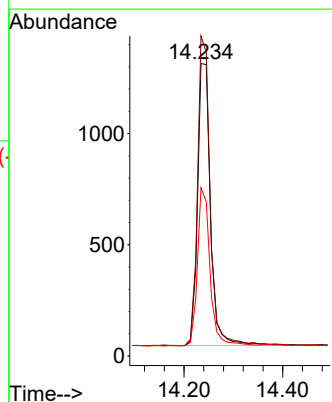
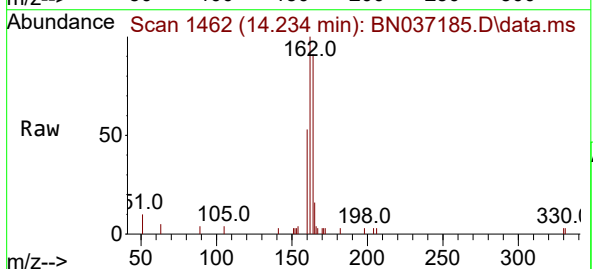
Instrument :
BNA_N
ClientSampleId :
MW-11B-37.5-060325DL

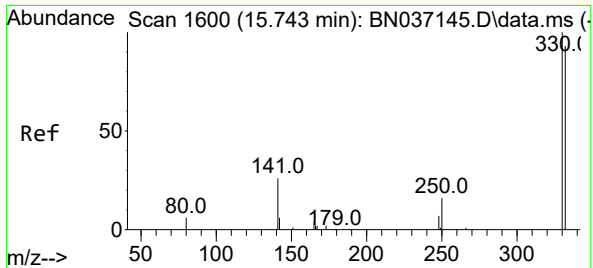
Tgt Ion:152 Resp: 181
Ion Ratio Lower Upper
152 100
151 25.4 17.1 25.7



#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.234 min Scan# 1462
Delta R.T. -0.000 min
Lab File: BN037185.D
Acq: 05 Jun 2025 18:10

Tgt Ion:164 Resp: 2312
Ion Ratio Lower Upper
164 100
162 109.4 85.5 128.3
160 57.5 44.6 67.0

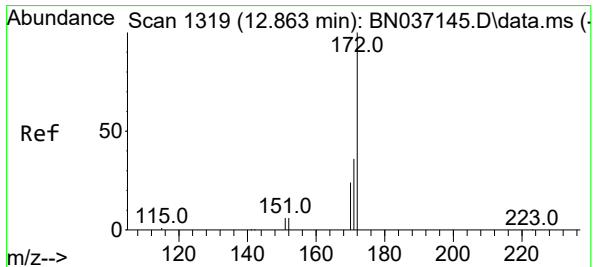
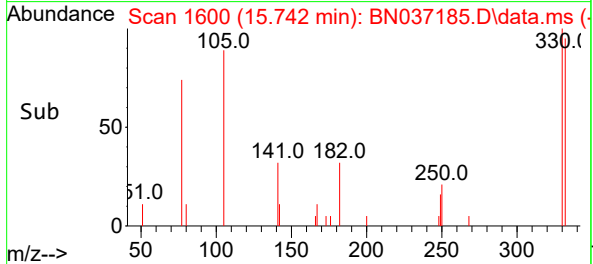
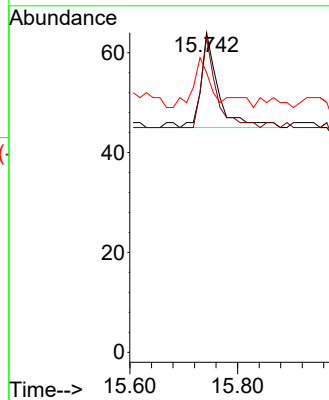
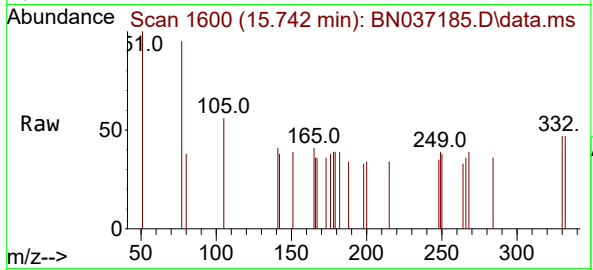




#14
2,4,6-Tribromophenol
Concen: 0.045 ng
RT: 15.742 min Scan# 1600
Delta R.T. -0.000 min
Lab File: BN037185.D
Acq: 05 Jun 2025 18:10

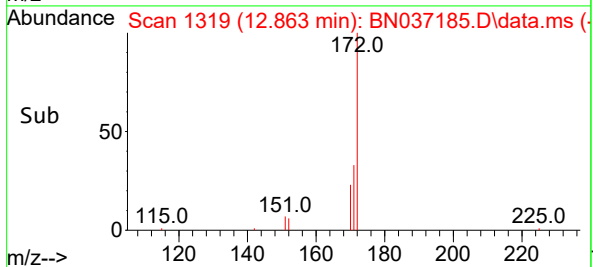
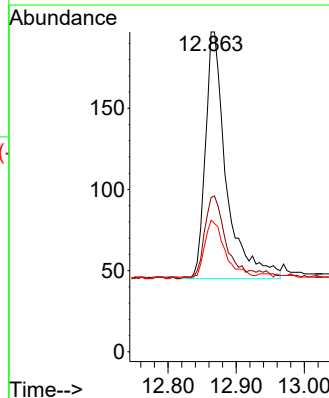
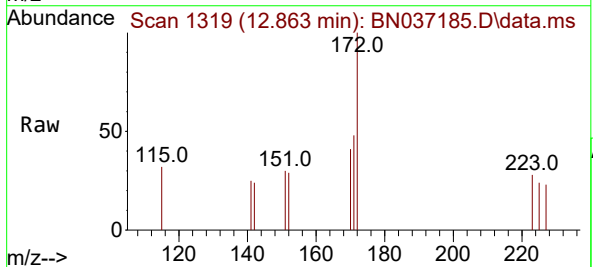
Instrument :
BNA_N
ClientSampleId :
MW-11B-37.5-060325DL

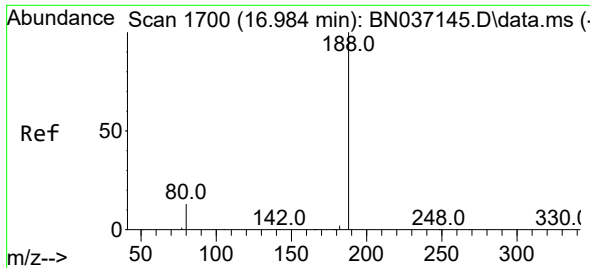
Tgt Ion:330 Resp: 42
Ion Ratio Lower Upper
330 100
332 81.0 77.1 115.7
141 50.0 46.4 69.6



#15
2-Fluorobiphenyl
Concen: 0.033 ng
RT: 12.863 min Scan# 1319
Delta R.T. -0.000 min
Lab File: BN037185.D
Acq: 05 Jun 2025 18:10

Tgt Ion:172 Resp: 325
Ion Ratio Lower Upper
172 100
171 48.2 29.6 44.4#
170 41.1 20.3 30.5#

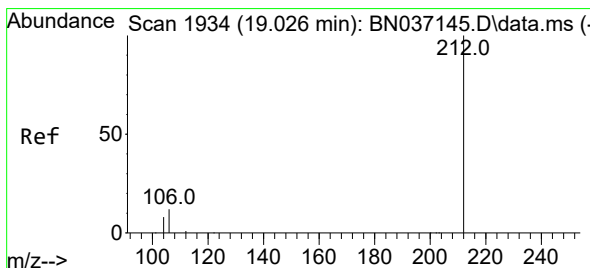
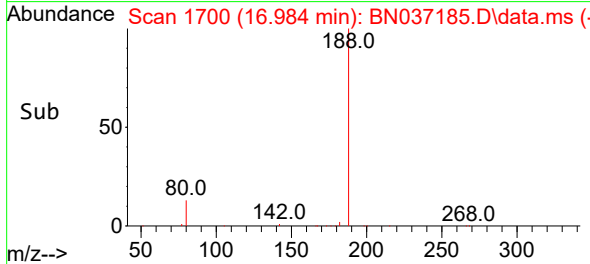
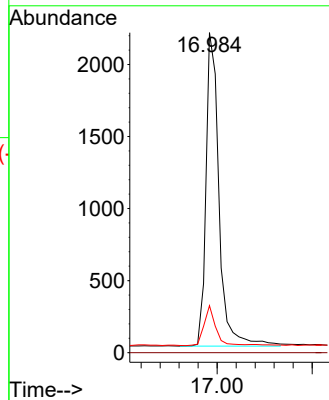
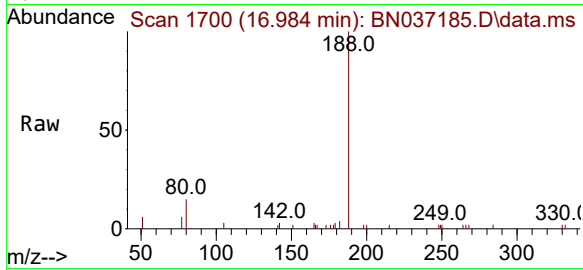




#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 16.984 min Scan# 11
Delta R.T. -0.000 min
Lab File: BN037185.D
Acq: 05 Jun 2025 18:10

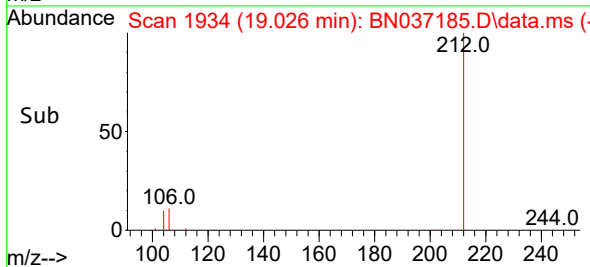
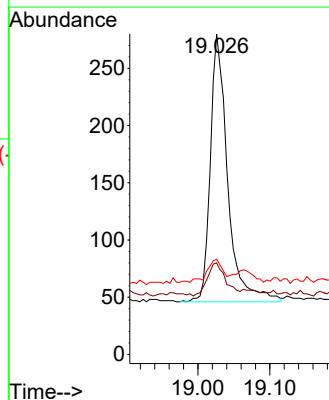
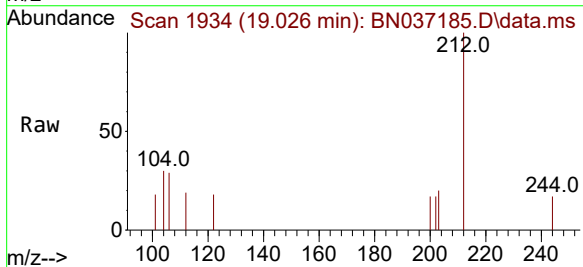
Instrument :
BNA_N
ClientSampleId :
MW-11B-37.5-060325DL

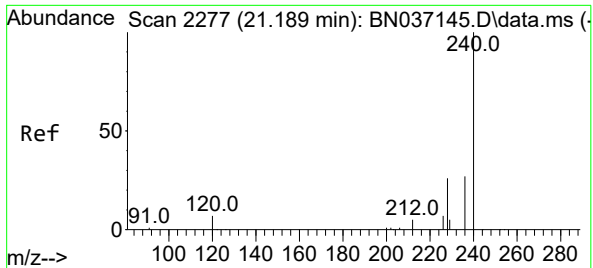
Tgt Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	14.7	11.3	16.9



#27
Fluoranthene-d10
Concen: 0.037 ng
RT: 19.026 min Scan# 1934
Delta R.T. -0.000 min
Lab File: BN037185.D
Acq: 05 Jun 2025 18:10

Tgt Ion	Ratio	Lower	Upper
212	100		
106	13.1	10.6	15.8
104	8.5	6.6	9.8





#29

Chrysene-d12

Concen: 0.400 ng

RT: 21.188 min Scan# 21

Delta R.T. -0.000 min

Lab File: BN037185.D

Acq: 05 Jun 2025 18:10

Instrument :

BNA_N

ClientSampleId :

MW-11B-37.5-060325DL

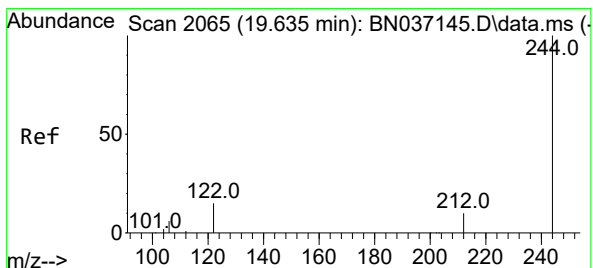
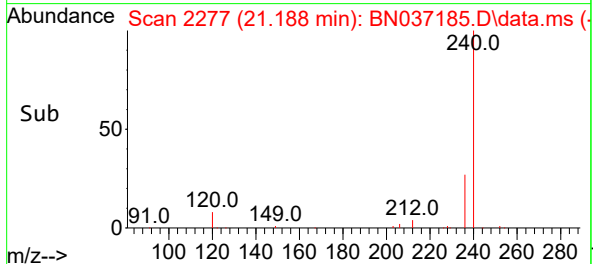
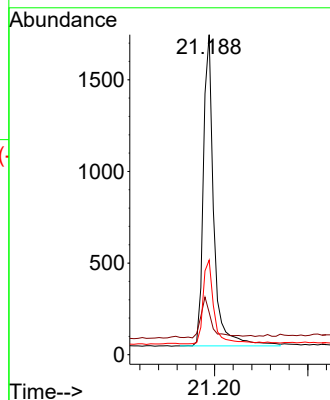
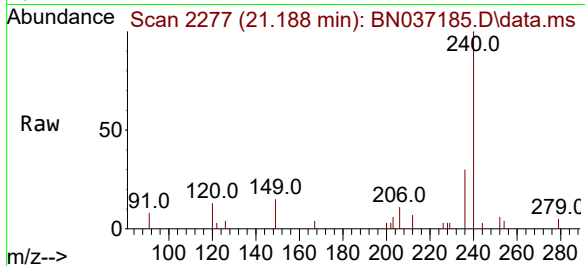
Tgt Ion:240 Resp: 2654

Ion Ratio Lower Upper

240 100

120 13.2 9.0 13.4

236 29.6 23.0 34.4



#31

Terphenyl-d14

Concen: 0.045 ng

RT: 19.635 min Scan# 2065

Delta R.T. -0.000 min

Lab File: BN037185.D

Acq: 05 Jun 2025 18:10

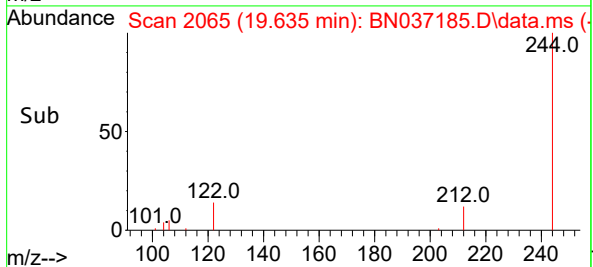
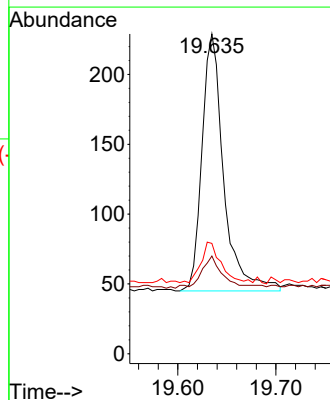
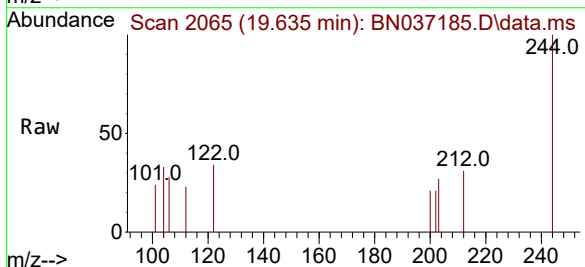
Tgt Ion:244 Resp: 283

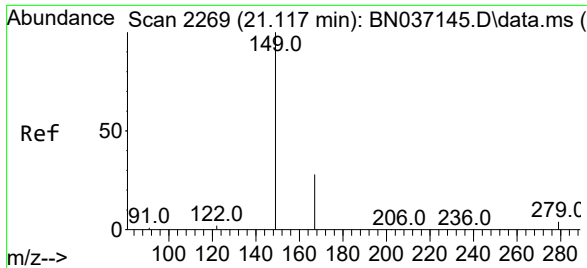
Ion Ratio Lower Upper

244 100

212 30.6 10.0 15.0#

122 34.5 13.2 19.8#

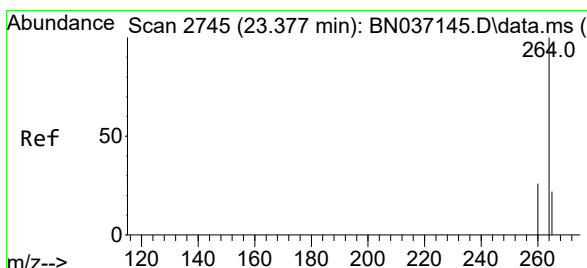
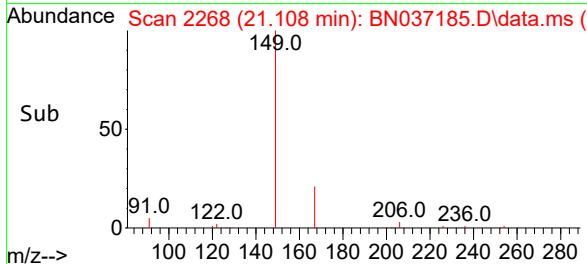
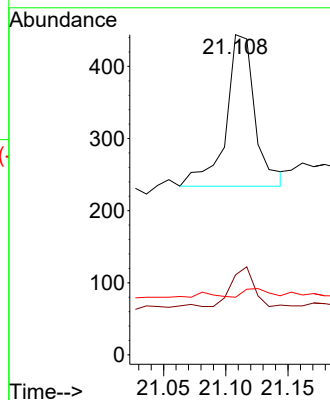
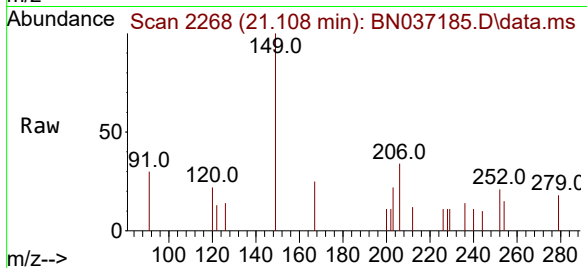




#34
Bis(2-ethylhexyl)phthalate
Concen: 0.056 ng
RT: 21.108 min Scan# 21108
Delta R.T. -0.009 min
Lab File: BN037185.D
Acq: 05 Jun 2025 18:10

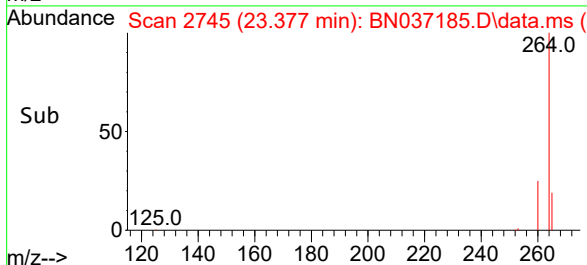
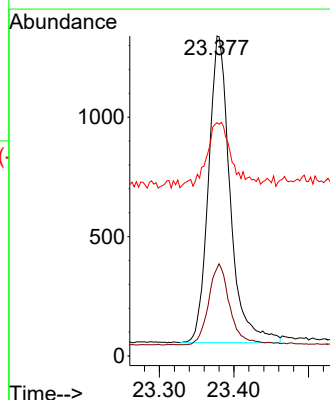
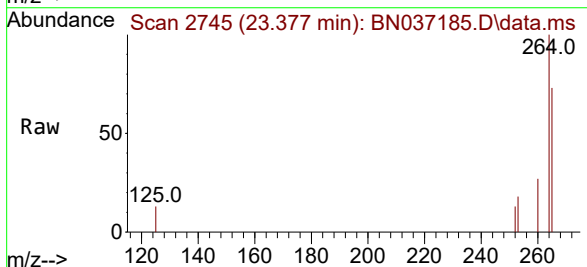
Instrument :
BNA_N
ClientSampleId :
MW-11B-37.5-060325DL

Tgt Ion:149 Resp: 342
Ion Ratio Lower Upper
149 100
167 19.3 21.0 31.4#
279 5.0 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: BN037185.D
Acq: 05 Jun 2025 18:10

Tgt Ion:264 Resp: 2589
Ion Ratio Lower Upper
264 100
260 27.4 22.1 33.1
265 72.9 55.8 83.8



Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN060525\
Data File : BN037173.D
Acq On : 05 Jun 2025 10:19
Operator : RC/JU
Sample : PB168286BL
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
PB168286BL

A
B
C
D
E
F
G
H
I
J
K

Quant Time: Jun 05 11:16:47 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	1976	0.400	ng	0.00
7) Naphthalene-d8	10.372	136	4795	0.400	ng	# 0.00
13) Acenaphthene-d10	14.245	164	2582	0.400	ng	0.01
19) Phenanthrene-d10	16.996	188	4632	0.400	ng	0.01
29) Chrysene-d12	21.188	240	2959	0.400	ng	# 0.00
35) Perylene-d12	23.377	264	2743	0.400	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.191	112	2002	0.410	ng	0.00
5) Phenol-d6	6.773	99	2088	0.353	ng	0.00
8) Nitrobenzene-d5	8.749	82	1701	0.336	ng	0.01
11) 2-Methylnaphthalene-d10	11.976	152	2368	0.355	ng	0.00
14) 2,4,6-Tribromophenol	15.755	330	282	0.271	ng	0.01
15) 2-Fluorobiphenyl	12.868	172	4015	0.365	ng	0.00
27) Fluoranthene-d10	19.026	212	4015	0.341	ng	0.00
31) Terphenyl-d14	19.635	244	2721	0.391	ng	0.00

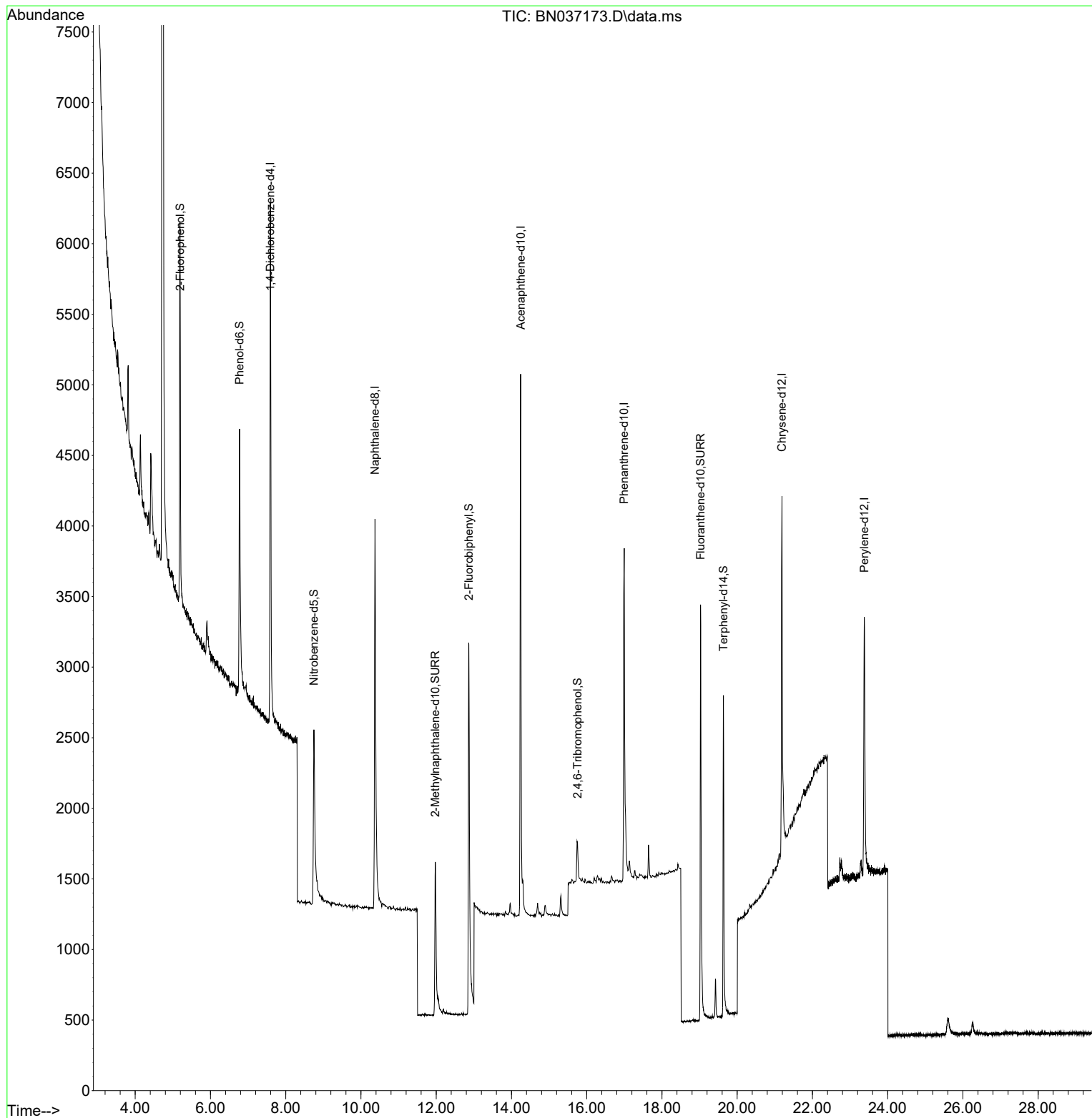
Target Compounds	Qvalue

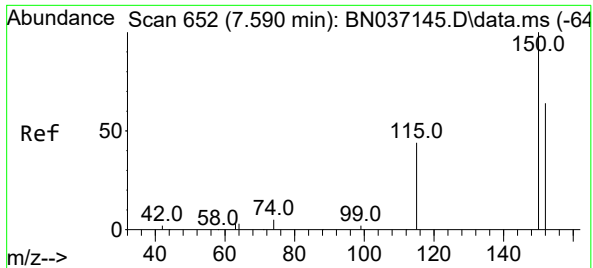
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN060525\
Data File : BN037173.D
Acq On : 05 Jun 2025 10:19
Operator : RC/JU
Sample : PB168286BL
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
PB168286BL

Quant Time: Jun 05 11:16:47 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

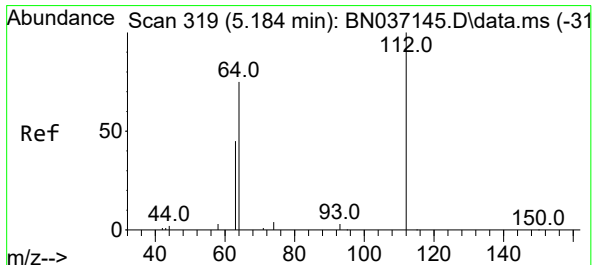
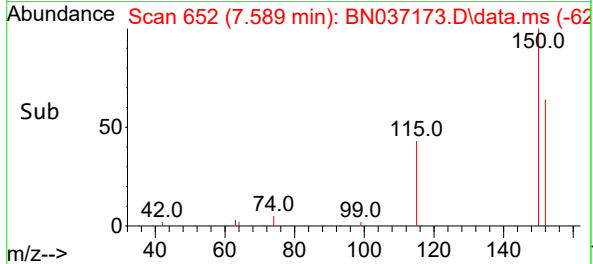
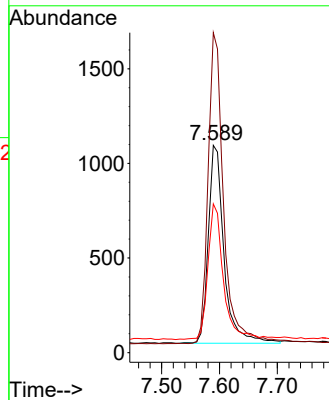
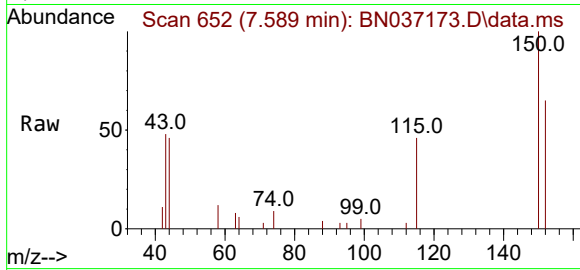




#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.589 min Scan# 61
Delta R.T. -0.001 min
Lab File: BN037173.D
Acq: 05 Jun 2025 10:19

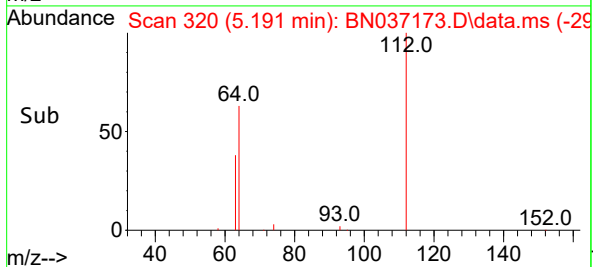
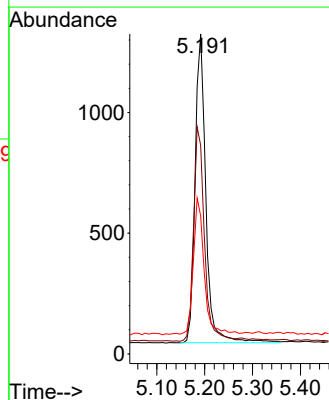
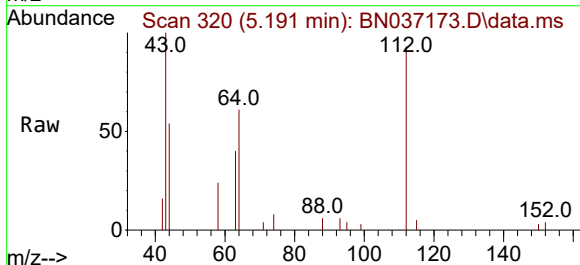
Instrument :
BNA_N
ClientSampleId :
PB168286BL

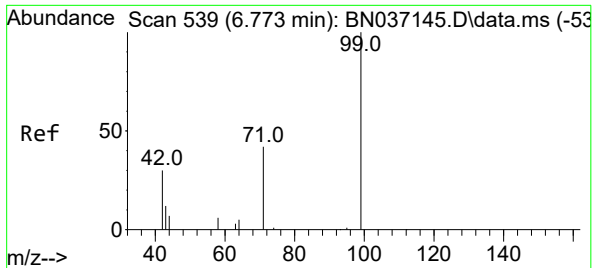
Tgt Ion:152 Resp: 1976
Ion Ratio Lower Upper
152 100
150 154.3 123.2 184.8
115 71.7 56.6 85.0



#4
2-Fluorophenol
Concen: 0.410 ng
RT: 5.191 min Scan# 320
Delta R.T. 0.007 min
Lab File: BN037173.D
Acq: 05 Jun 2025 10:19

Tgt Ion:112 Resp: 2002
Ion Ratio Lower Upper
112 100
64 69.5 56.3 84.5
63 45.3 36.2 54.4

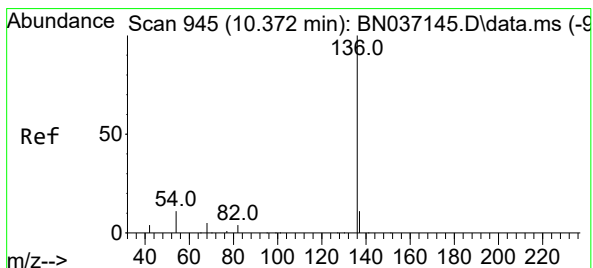
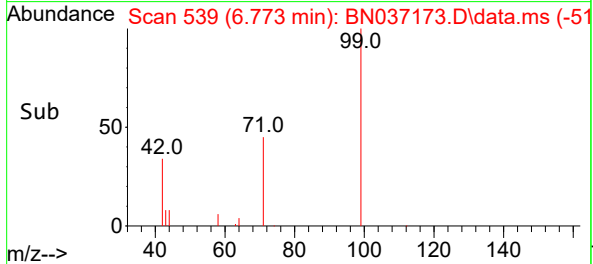
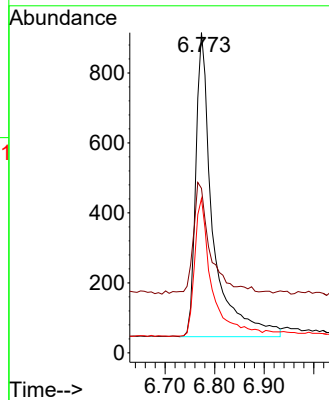
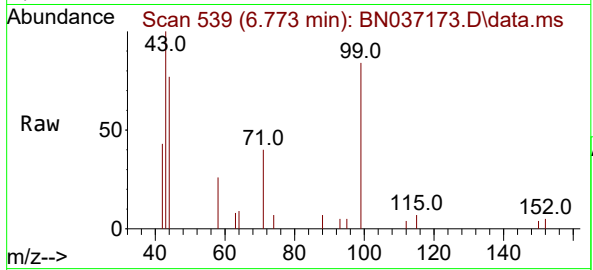




#5
Phenol-d6
Concen: 0.353 ng
RT: 6.773 min Scan# 51
Delta R.T. -0.000 min
Lab File: BN037173.D
Acq: 05 Jun 2025 10:19

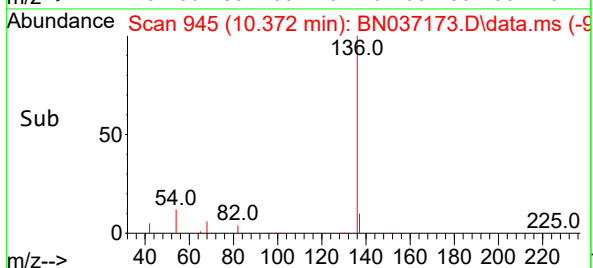
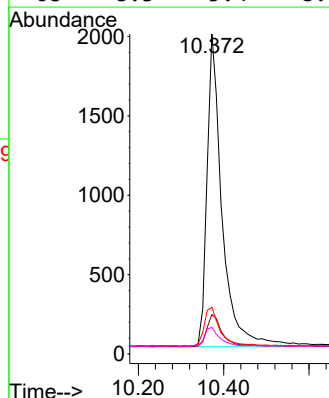
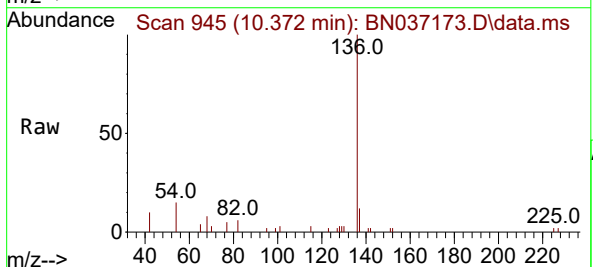
Instrument :
BNA_N
ClientSampleId :
PB168286BL

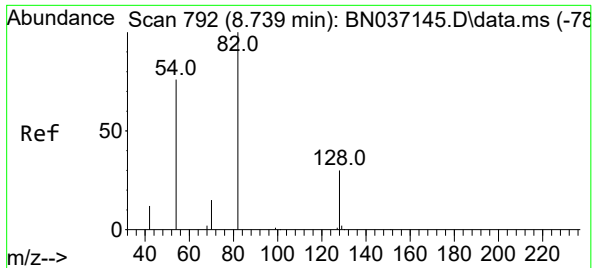
Tgt Ion:	99	Resp:	2088
Ion	Ratio	Lower	Upper
99	100		
42	35.9	31.3	46.9
71	45.3	38.2	57.2



#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.372 min Scan# 945
Delta R.T. -0.000 min
Lab File: BN037173.D
Acq: 05 Jun 2025 10:19

Tgt Ion:	136	Resp:	4795
Ion	Ratio	Lower	Upper
136	100		
137	12.3	9.7	14.5
54	14.6	9.7	14.5#
68	8.3	5.4	8.2#

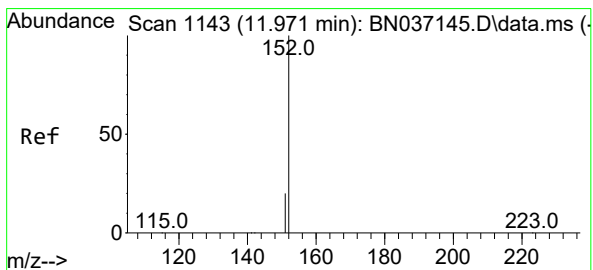
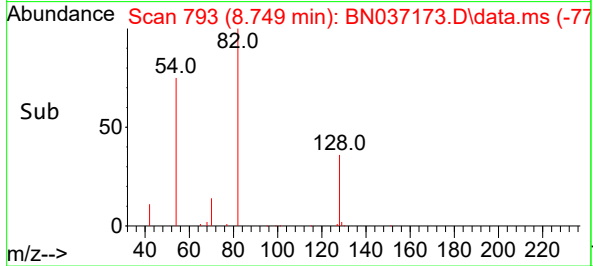
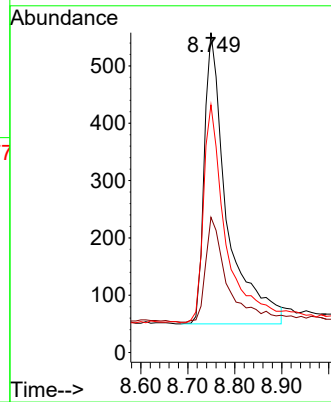
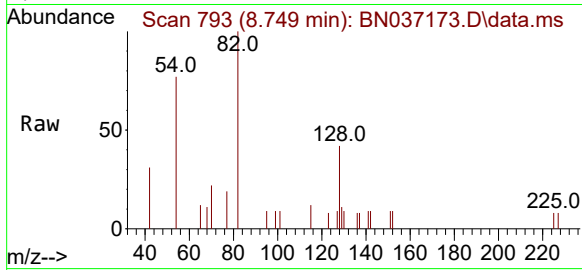




#8
Nitrobenzene-d5
Concen: 0.336 ng
RT: 8.749 min Scan# 792
Delta R.T. 0.010 min
Lab File: BN037173.D
Acq: 05 Jun 2025 10:19

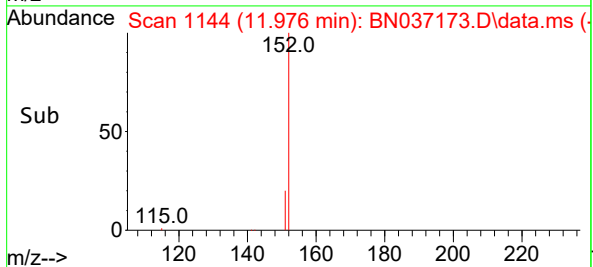
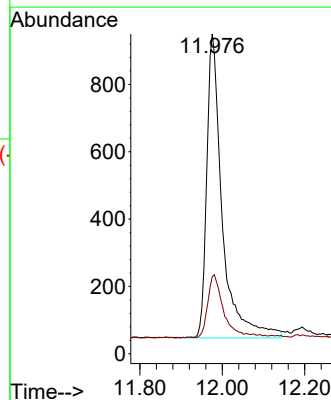
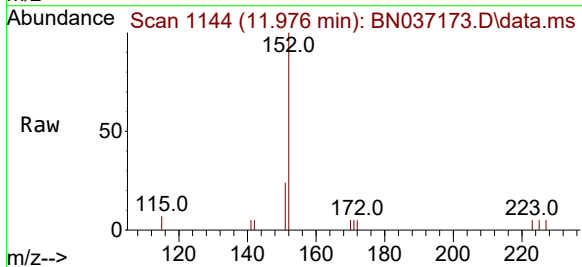
Instrument :
BNA_N
ClientSampleId :
PB168286BL

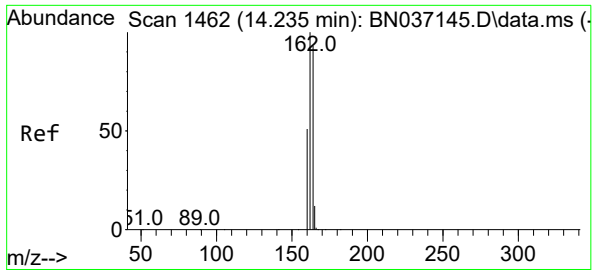
Tgt Ion: 82 Resp: 1701
Ion Ratio Lower Upper
82 100
128 42.3 26.9 40.3#
54 77.4 61.4 92.2



#11
2-Methylnaphthalene-d10
Concen: 0.355 ng
RT: 11.976 min Scan# 1144
Delta R.T. 0.005 min
Lab File: BN037173.D
Acq: 05 Jun 2025 10:19

Tgt Ion: 152 Resp: 2368
Ion Ratio Lower Upper
152 100
151 21.6 17.1 25.7

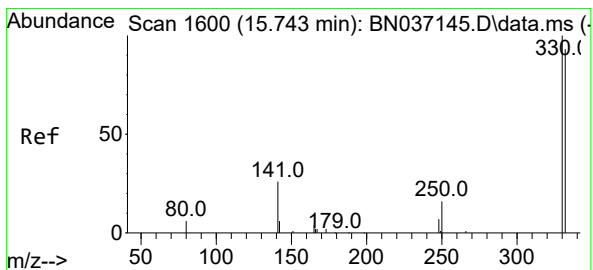
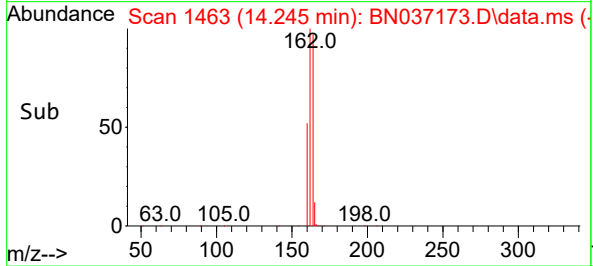
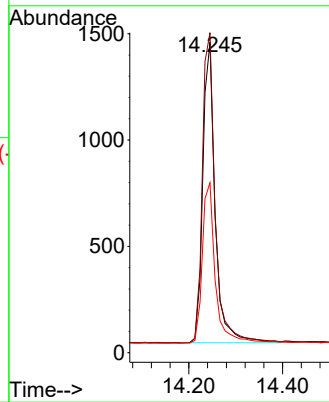
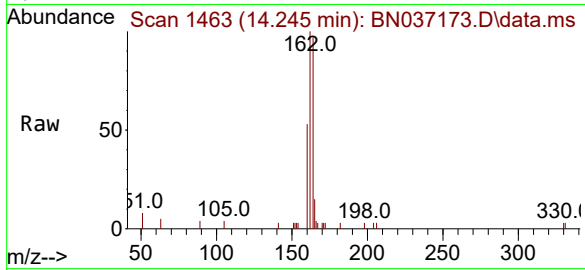




#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.245 min Scan# 1463
Delta R.T. 0.010 min
Lab File: BN037173.D
Acq: 05 Jun 2025 10:19

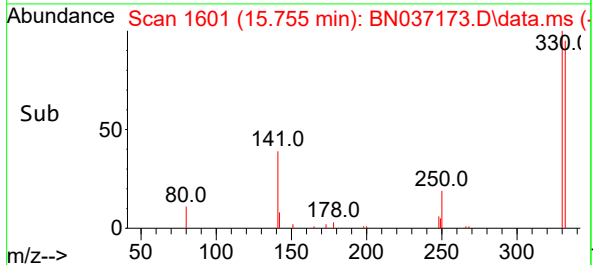
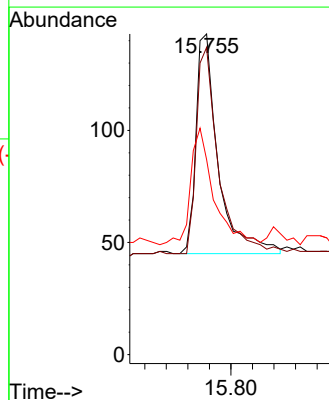
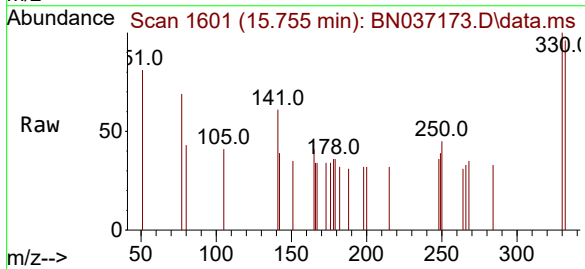
Instrument :
BNA_N
ClientSampleId :
PB168286BL

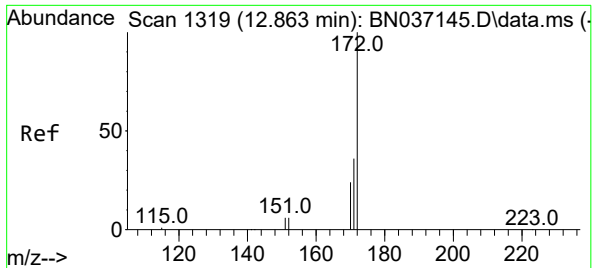
Tgt Ion:164 Resp: 2582
Ion Ratio Lower Upper
164 100
162 103.1 85.5 128.3
160 54.7 44.6 67.0



#14
2,4,6-Tribromophenol
Concen: 0.271 ng
RT: 15.755 min Scan# 1601
Delta R.T. 0.012 min
Lab File: BN037173.D
Acq: 05 Jun 2025 10:19

Tgt Ion:330 Resp: 282
Ion Ratio Lower Upper
330 100
332 93.6 77.1 115.7
141 55.3 46.4 69.6

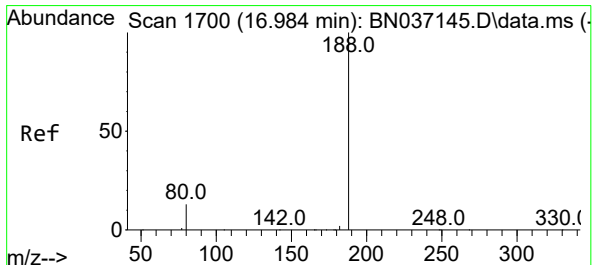
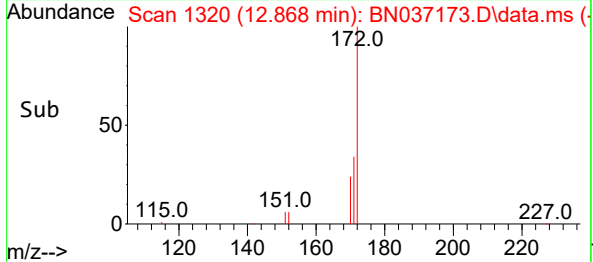
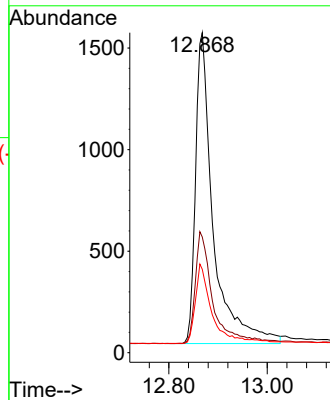
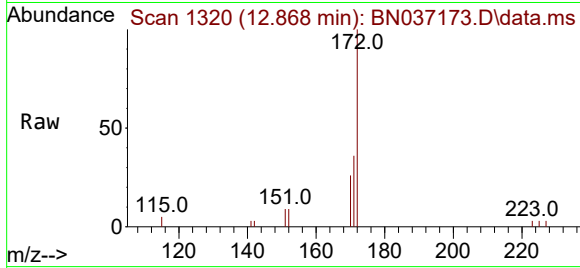




#15
2-Fluorobiphenyl
Concen: 0.365 ng
RT: 12.868 min Scan# 11
Delta R.T. 0.005 min
Lab File: BN037173.D
Acq: 05 Jun 2025 10:19

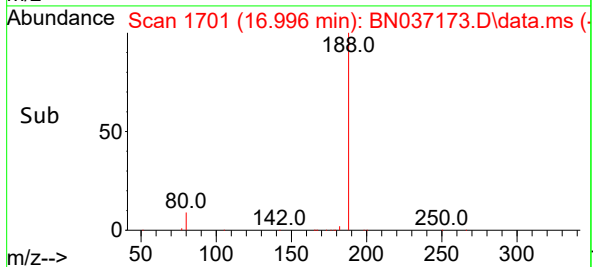
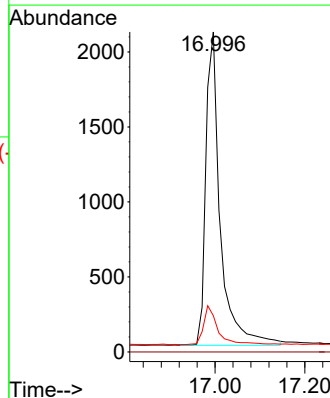
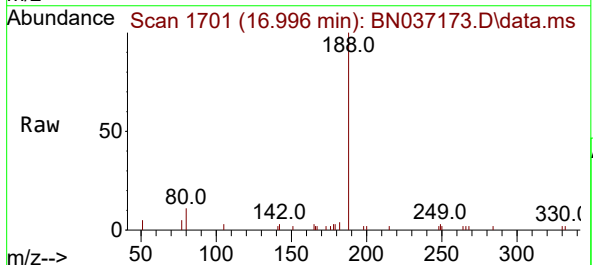
Instrument :
BNA_N
ClientSampleId :
PB168286BL

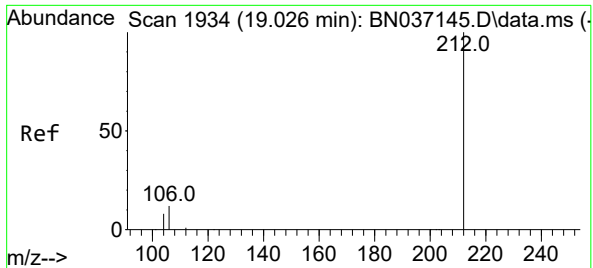
Tgt Ion:	172	Resp:	4015
Ion	Ratio	Lower	Upper
172	100		
171	36.2	29.6	44.4
170	26.1	20.3	30.5



#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 16.996 min Scan# 1701
Delta R.T. 0.012 min
Lab File: BN037173.D
Acq: 05 Jun 2025 10:19

Tgt Ion:	188	Resp:	4632
Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	11.3	11.3	16.9





#27

Fluoranthene-d10

Concen: 0.341 ng

RT: 19.026 min Scan# 1934

Delta R.T. -0.000 min

Lab File: BN037173.D

Acq: 05 Jun 2025 10:19

Instrument :

BNA_N

ClientSampleId :

PB168286BL

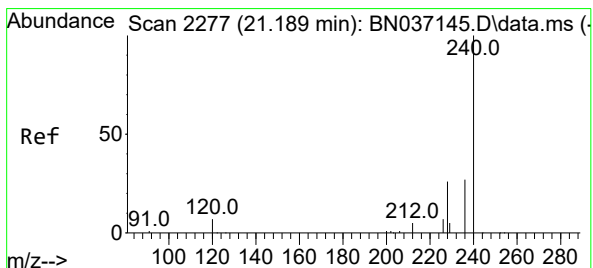
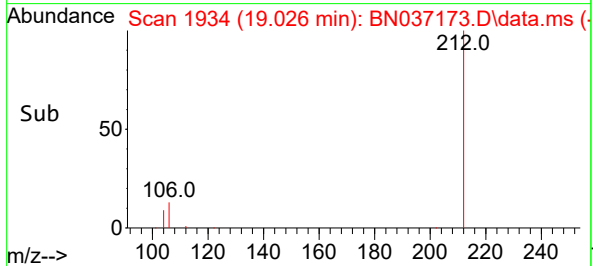
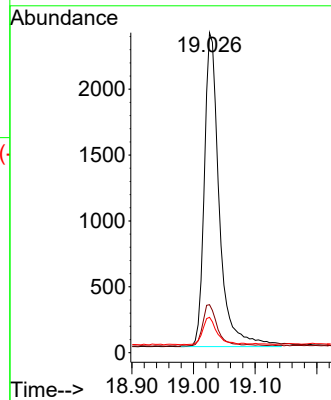
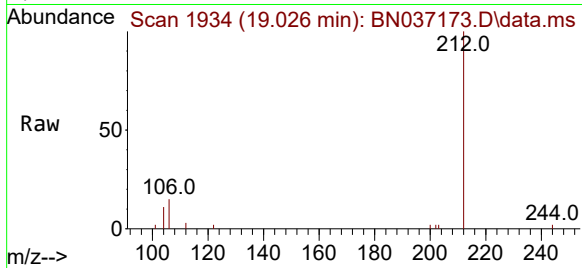
Tgt Ion:212 Resp: 4015

Ion Ratio Lower Upper

212 100

106 13.1 10.6 15.8

104 8.2 6.6 9.8



#29

Chrysene-d12

Concen: 0.400 ng

RT: 21.188 min Scan# 2277

Delta R.T. -0.000 min

Lab File: BN037173.D

Acq: 05 Jun 2025 10:19

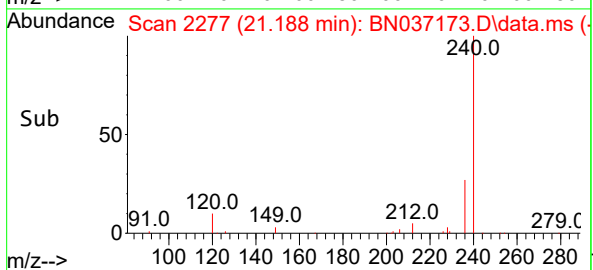
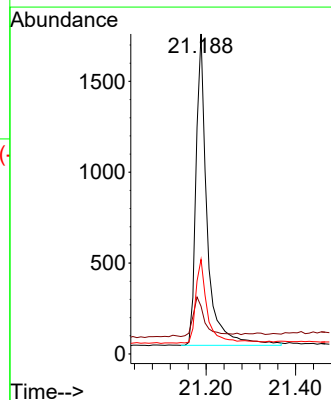
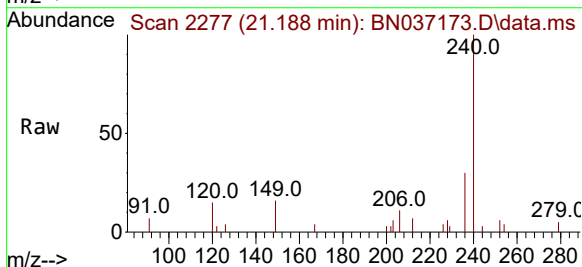
Tgt Ion:240 Resp: 2959

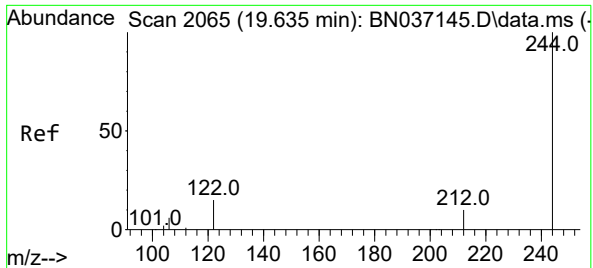
Ion Ratio Lower Upper

240 100

120 14.9 9.0 13.4#

236 29.5 23.0 34.4

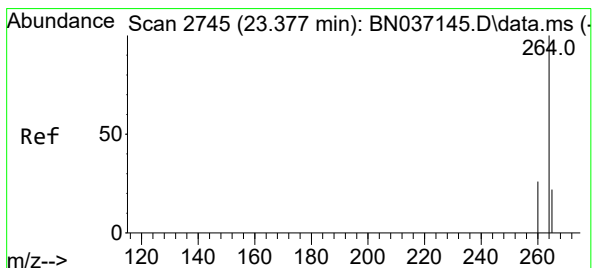
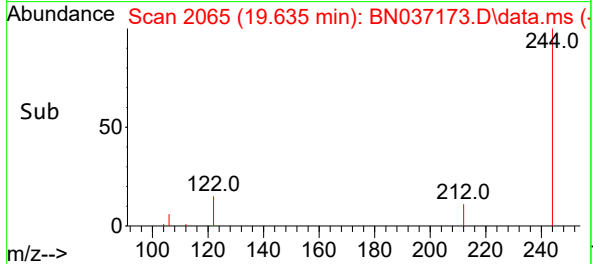
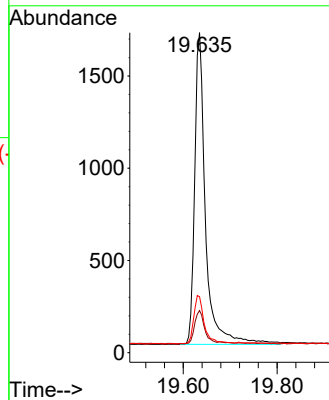
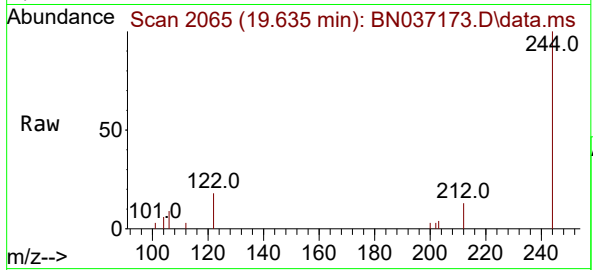




#31
Terphenyl-d14
Concen: 0.391 ng
RT: 19.635 min Scan# 2065
Delta R.T. -0.000 min
Lab File: BN037173.D
Acq: 05 Jun 2025 10:19

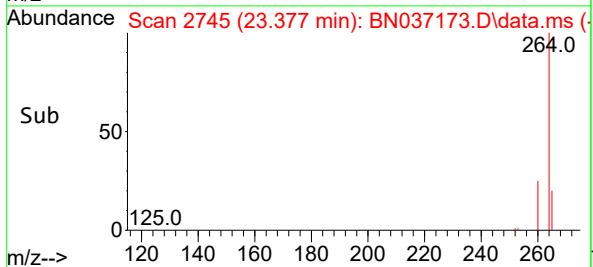
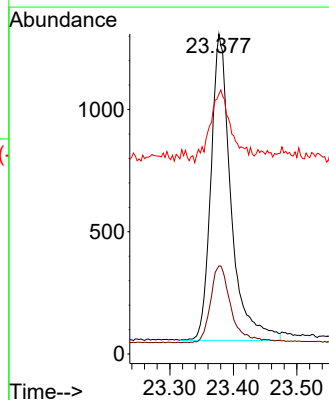
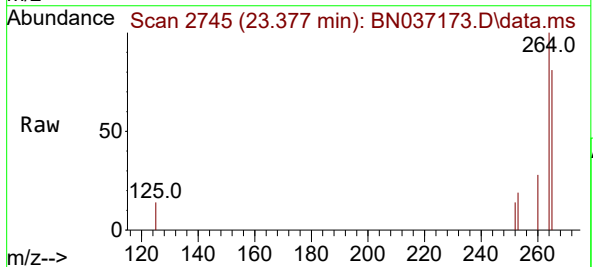
Instrument :
BNA_N
ClientSampleId :
PB168286BL

Tgt Ion:244 Resp: 2721
Ion Ratio Lower Upper
244 100
212 13.1 10.0 15.0
122 17.5 13.2 19.8



#35
Perylene-d12
Concen: 0.400 ng
RT: 23.377 min Scan# 2745
Delta R.T. -0.000 min
Lab File: BN037173.D
Acq: 05 Jun 2025 10:19

Tgt Ion:264 Resp: 2743
Ion Ratio Lower Upper
264 100
260 27.5 22.1 33.1
265 81.2 55.8 83.8



Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN060525\
 Data File : BN037182.D
 Acq On : 05 Jun 2025 16:21
 Operator : RC/JU
 Sample : PB168286BS
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :

BNA_N

ClientSampleId :

PB168286BS

Manual Integrations**APPROVED**

Reviewed By :Rahul Chavli 06/06/2025

Supervised By :Jagrut Upadhyay 06/06/2025

Quant Time: Jun 05 17:01:40 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	2072	0.400	ng	0.00
7) Naphthalene-d8	10.372	136	5107	0.400	ng	0.00
13) Acenaphthene-d10	14.235	164	2443	0.400	ng	0.00
19) Phenanthrene-d10	16.984	188	4074	0.400	ng	0.00
29) Chrysene-d12	21.189	240	2362	0.400	ng	# 0.00
35) Perylene-d12	23.377	264	2229	0.400	ng	# 0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.192	112	1880	0.367	ng	0.00
5) Phenol-d6	6.773	99	2231	0.359	ng	0.00
8) Nitrobenzene-d5	8.739	82	1885	0.350	ng	0.00
11) 2-Methylnaphthalene-d10	11.965	152	2741m	0.386	ng	0.00
14) 2,4,6-Tribromophenol	15.743	330	300	0.305	ng	0.00
15) 2-Fluorobiphenyl	12.858	172	3936	0.378	ng	0.00
27) Fluoranthene-d10	19.026	212	3150	0.304	ng	0.00
31) Terphenyl-d14	19.635	244	2031	0.365	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.119	88	1103	0.399	ng	# 23
3) n-Nitrosodimethylamine	3.429	42	2040	0.368	ng	99
6) bis(2-Chloroethyl)ether	7.026	93	2012	0.340	ng	95
9) Naphthalene	10.415	128	4997	0.339	ng	100
10) Hexachlorobutadiene	10.714	225	1165	0.363	ng	# 100
12) 2-Methylnaphthalene	12.042	142	2842	0.301	ng	98
16) Acenaphthylene	13.957	152	4682	0.391	ng	100
17) Acenaphthene	14.299	154	2768	0.356	ng	99
18) Fluorene	15.293	166	3450	0.337	ng	100
20) 4,6-Dinitro-2-methylph...	15.389	198	298	0.524	ng	# 67
21) 4-Bromophenyl-phenylether	16.189	248	963	0.361	ng	98
22) Hexachlorobenzene	16.301	284	1084	0.376	ng	98
23) Atrazine	16.462	200	769	0.349	ng	99
24) Pentachlorophenol	16.649	266	556	0.537	ng	99
25) Phenanthrene	17.033	178	4685	0.355	ng	99
26) Anthracene	17.120	178	4323	0.359	ng	99
28) Fluoranthene	19.054	202	4321	0.296	ng	99
30) Pyrene	19.421	202	4321	0.375	ng	100
32) Benzo(a)anthracene	21.171	228	3133	0.366	ng	98
33) Chrysene	21.224	228	3555	0.373	ng	99
34) Bis(2-ethylhexyl)phtha...	21.117	149	1853	0.343	ng	99
36) Indeno(1,2,3-cd)pyrene	25.579	276	3777	0.426	ng	99
37) Benzo(b)fluoranthene	22.725	252	3171	0.352	ng	92
38) Benzo(k)fluoranthene	22.769	252	3407	0.371	ng	93
39) Benzo(a)pyrene	23.284	252	2920	0.387	ng	95
40) Dibenzo(a,h)anthracene	25.590	278	2933	0.429	ng	97
41) Benzo(g,h,i)perylene	26.248	276	3292	0.419	ng	99

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

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN060525\
 Data File : BN037182.D
 Acq On : 05 Jun 2025 16:21
 Operator : RC/JU
 Sample : PB168286BS
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :

BNA_N

ClientSampleId :

PB168286BS

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 06/06/2025

Supervised By :Jagrut Upadhyay 06/06/2025

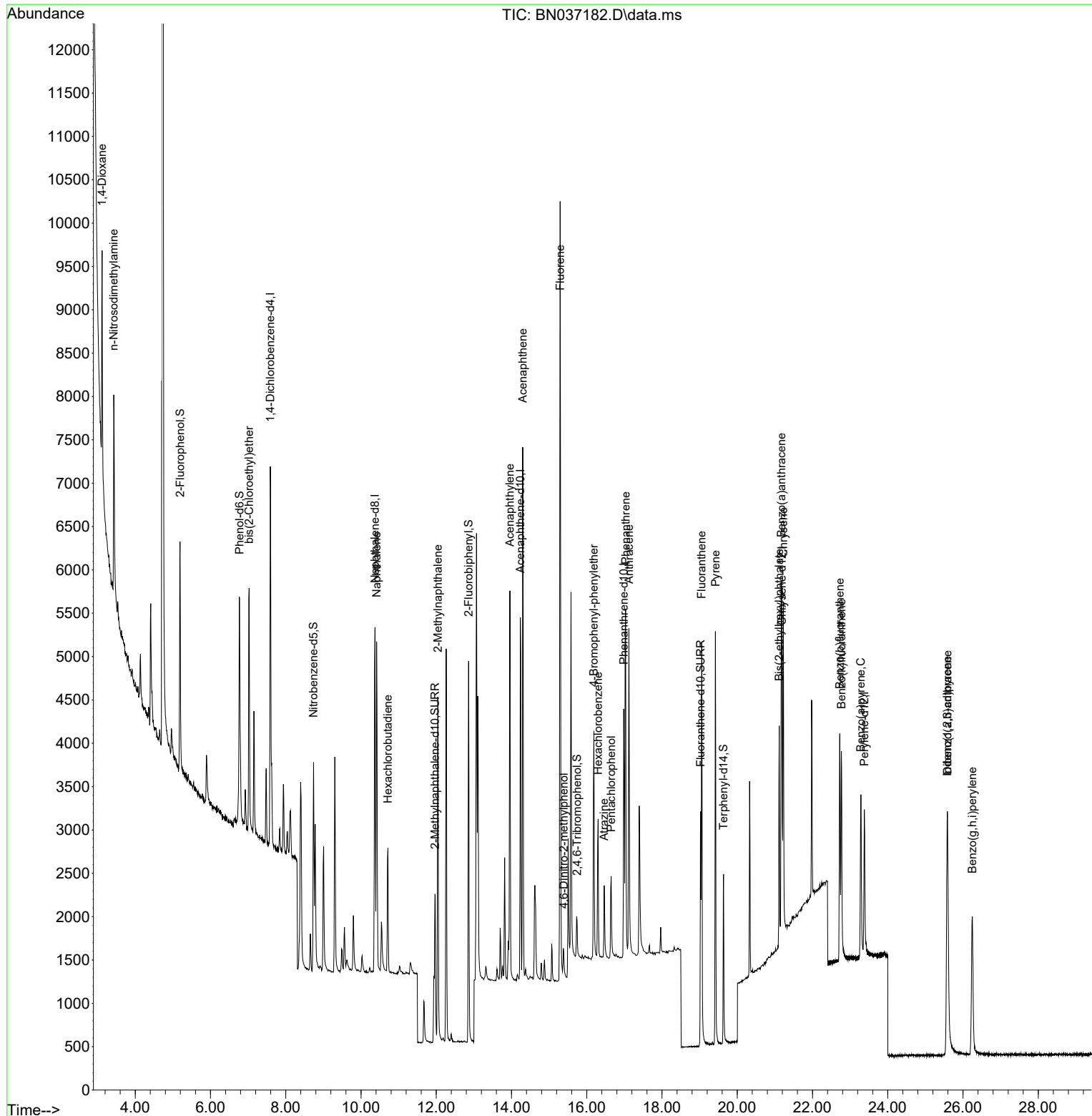
Quant Time: Jun 05 17:01:40 2025

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\BN060525\
 Data File : BN037186.D
 Acq On : 05 Jun 2025 18:46
 Operator : RC/JU
 Sample : PB168286BSD
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 PB168286BSD

Manual Integrations
 APPROVED

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

Quant Time: Jun 06 02:56:17 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	1756	0.400	ng	0.00
7) Naphthalene-d8	10.372	136	4279	0.400	ng	0.00
13) Acenaphthene-d10	14.235	164	2046	0.400	ng	0.00
19) Phenanthrene-d10	16.984	188	3397	0.400	ng	0.00
29) Chrysene-d12	21.180	240	1984	0.400	ng	# 0.00
35) Perylene-d12	23.377	264	1936	0.400	ng	# 0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.192	112	1553	0.358	ng	0.00
5) Phenol-d6	6.773	99	1809	0.344	ng	0.00
8) Nitrobenzene-d5	8.739	82	1607	0.356	ng	0.00
11) 2-Methylnaphthalene-d10	11.971	152	2420m	0.406	ng	0.00
14) 2,4,6-Tribromophenol	15.743	330	258	0.313	ng	0.00
15) 2-Fluorobiphenyl	12.858	172	3337	0.383	ng	0.00
27) Fluoranthene-d10	19.026	212	2720	0.315	ng	0.00
31) Terphenyl-d14	19.635	244	1751	0.375	ng	0.00
Target Compounds						
2) 1,4-Dioxane	3.119	88	929	0.397	ng	# 27
3) n-Nitrosodimethylamine	3.429	42	1855	0.395	ng	# 88
6) bis(2-Chloroethyl)ether	7.026	93	1686	0.336	ng	98
9) Naphthalene	10.415	128	4291	0.348	ng	99
10) Hexachlorobutadiene	10.714	225	1009	0.375	ng	# 99
12) 2-Methylnaphthalene	12.042	142	2412	0.305	ng	99
16) Acenaphthylene	13.957	152	3960	0.395	ng	99
17) Acenaphthene	14.299	154	2357	0.362	ng	99
18) Fluorene	15.293	166	2967	0.347	ng	99
20) 4,6-Dinitro-2-methylph...	15.389	198	285	0.561	ng	# 63
21) 4-Bromophenyl-phenylether	16.189	248	859	0.386	ng	98
22) Hexachlorobenzene	16.301	284	936	0.390	ng	99
23) Atrazine	16.463	200	696	0.379	ng	99
24) Pentachlorophenol	16.649	266	468	0.540	ng	97
25) Phenanthrene	17.034	178	4052	0.368	ng	100
26) Anthracene	17.120	178	3680	0.366	ng	99
28) Fluoranthene	19.054	202	3726	0.306	ng	99
30) Pyrene	19.416	202	3699	0.382	ng	99
32) Benzo(a)anthracene	21.171	228	2740	0.382	ng	98
33) Chrysene	21.216	228	3010	0.376	ng	98
34) Bis(2-ethylhexyl)phtha...	21.108	149	1639	0.362	ng	100
36) Indeno(1,2,3-cd)pyrene	25.570	276	3418	0.444	ng	97
37) Benzo(b)fluoranthene	22.722	252	2739	0.350	ng	93
38) Benzo(k)fluoranthene	22.766	252	2964	0.371	ng	93
39) Benzo(a)pyrene	23.284	252	2606	0.398	ng	94
40) Dibenzo(a,h)anthracene	25.591	278	2579	0.434	ng	94
41) Benzo(g,h,i)perylene	26.243	276	2922	0.428	ng	97

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

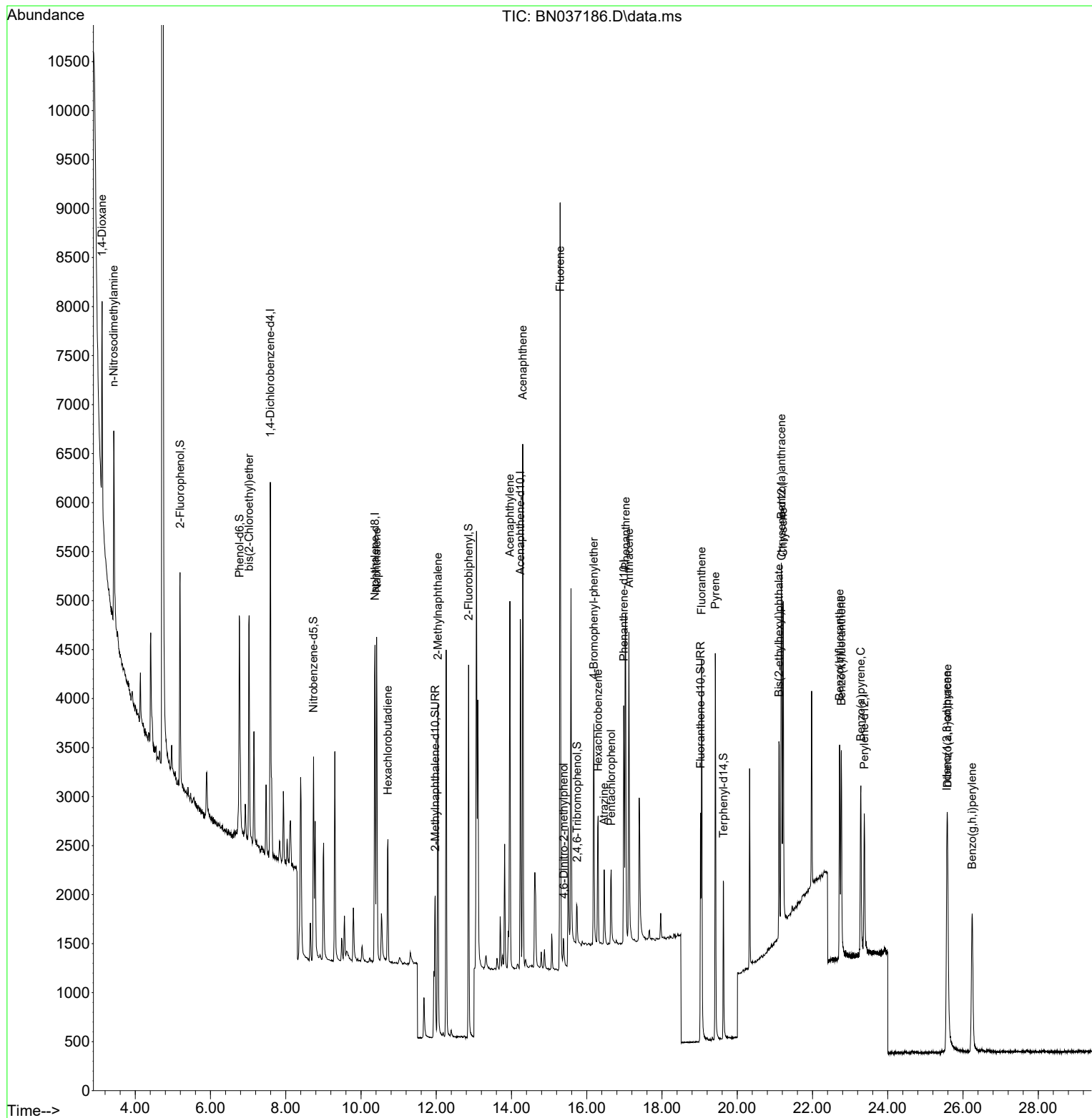
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN060525\
Data File : BN037186.D
Acq On : 05 Jun 2025 18:46
Operator : RC/JU
Sample : PB168286BSD
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
PB168286BSD

Manual Integrations
APPROVED

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

Quant Time: Jun 06 02:56:17 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





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:	BN060525	Instrument	BNA_n
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Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
PB168286BS	BN037182.D	2-Methylnaphthalene-d1 0	Rahul	6/6/2025 12:28:09 PM	Jagrut	6/6/2025 1:15:35 PM	Peak Integrated by Software
PB168286BSD	BN037186.D	2-Methylnaphthalene-d1 0	Rahul	6/6/2025 12:28:13 PM	Jagrut	6/6/2025 1:15:38 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

Instrument ID: **BNA_N**

Daily Analysis Runlog For Sequence/QC Batch ID # BN060525

Review By	Rahul	Review On	6/6/2025 12:34:40 PM
Supervise By	Jagrut	Supervise On	6/6/2025 1:15:52 PM
SubDirectory	BN060525	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	BN037171.D	05 Jun 2025 09:03	RC/JU	Ok
2	SSTDCCC0.4	BN037172.D	05 Jun 2025 09:42	RC/JU	Ok
3	PB168286BL	BN037173.D	05 Jun 2025 10:19	RC/JU	Ok
4	Q2186-03	BN037174.D	05 Jun 2025 10:55	RC/JU	Ok
5	Q2186-07	BN037175.D	05 Jun 2025 11:31	RC/JU	Ok
6	Q2186-09	BN037176.D	05 Jun 2025 12:08	RC/JU	Ok
7	Q2200-01	BN037177.D	05 Jun 2025 12:44	RC/JU	Dilution
8	Q2200-02	BN037178.D	05 Jun 2025 13:20	RC/JU	Dilution
9	Q2200-03	BN037179.D	05 Jun 2025 13:56	RC/JU	Ok
10	Q2200-04	BN037180.D	05 Jun 2025 14:32	RC/JU	Ok
11	Q2200-05	BN037181.D	05 Jun 2025 15:08	RC/JU	Dilution
12	PB168286BS	BN037182.D	05 Jun 2025 16:21	RC/JU	Ok,M
13	Q2200-01DL	BN037183.D	05 Jun 2025 16:57	RC/JU	Ok
14	Q2200-02DL	BN037184.D	05 Jun 2025 17:33	RC/JU	Ok
15	Q2200-05DL	BN037185.D	05 Jun 2025 18:10	RC/JU	Ok
16	PB168286BSD	BN037186.D	05 Jun 2025 18:46	RC/JU	Ok,M
17	SSTDCCC0.4	BN037187.D	05 Jun 2025 19:22	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

A
B
C
D
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G
H
I
J
K

Instrument ID: BNA_N

Daily Analysis Runlog For Sequence/QC Batch ID # BN060525

Review By	Rahul	Review On	6/6/2025 12:34:40 PM
Supervise By	Jagrut	Supervise On	6/6/2025 1:15:52 PM
SubDirectory	BN060525	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	BN037171.D	05 Jun 2025 09:03		RC/JU	Ok
2	SSTDCCC0.4	SSTDCCC0.4	BN037172.D	05 Jun 2025 09:42		RC/JU	Ok
3	PB168286BL	PB168286BL	BN037173.D	05 Jun 2025 10:19		RC/JU	Ok
4	Q2186-03	BP-VPB-182-GW-680-6	BN037174.D	05 Jun 2025 10:55		RC/JU	Ok
5	Q2186-07	BP-VPB-182-GW-720-7	BN037175.D	05 Jun 2025 11:31		RC/JU	Ok
6	Q2186-09	VPB182-HYD-2025053	BN037176.D	05 Jun 2025 12:08		RC/JU	Ok
7	Q2200-01	RMW-02B-66-060325	BN037177.D	05 Jun 2025 12:44	Need 10X dilution	RC/JU	Dilution
8	Q2200-02	RMW-03B-90-060325	BN037178.D	05 Jun 2025 13:20	Need 2X dilution	RC/JU	Dilution
9	Q2200-03	EB01-060325	BN037179.D	05 Jun 2025 13:56		RC/JU	Ok
10	Q2200-04	MW-01-6.5-060325	BN037180.D	05 Jun 2025 14:32		RC/JU	Ok
11	Q2200-05	MW-11B-37.5-060325	BN037181.D	05 Jun 2025 15:08	Need 10X dilution	RC/JU	Dilution
12	PB168286BS	PB168286BS	BN037182.D	05 Jun 2025 16:21		RC/JU	Ok,M
13	Q2200-01DL	RMW-02B-66-060325D	BN037183.D	05 Jun 2025 16:57		RC/JU	Ok
14	Q2200-02DL	RMW-03B-90-060325D	BN037184.D	05 Jun 2025 17:33		RC/JU	Ok
15	Q2200-05DL	MW-11B-37.5-060325D	BN037185.D	05 Jun 2025 18:10		RC/JU	Ok
16	PB168286BSD	PB168286BSD	BN037186.D	05 Jun 2025 18:46		RC/JU	Ok,M
17	SSTDCCC0.4	SSTDCCC0.4EC	BN037187.D	05 Jun 2025 19:22		RC/JU	Ok

M : Manual Integration

SOP ID:	M3510C,3580A-Extraction SVOC-20		
Clean Up SOP #:	N/A	Extraction Start Date :	06/04/2025
Matrix :	Water	Extraction Start Time :	11:46
Weigh 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:	4,6,7
Extraction Method:	☒ Separatory Funnel	☐ Continuous Liquid/Liquid	☐ Sonication
		☐ Waste Dilution	☐ Soxhlet
		Extraction End Date :	06/04/2025
		Extraction End Time :	16:50
		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, Q2186-03 used Limited volume received.

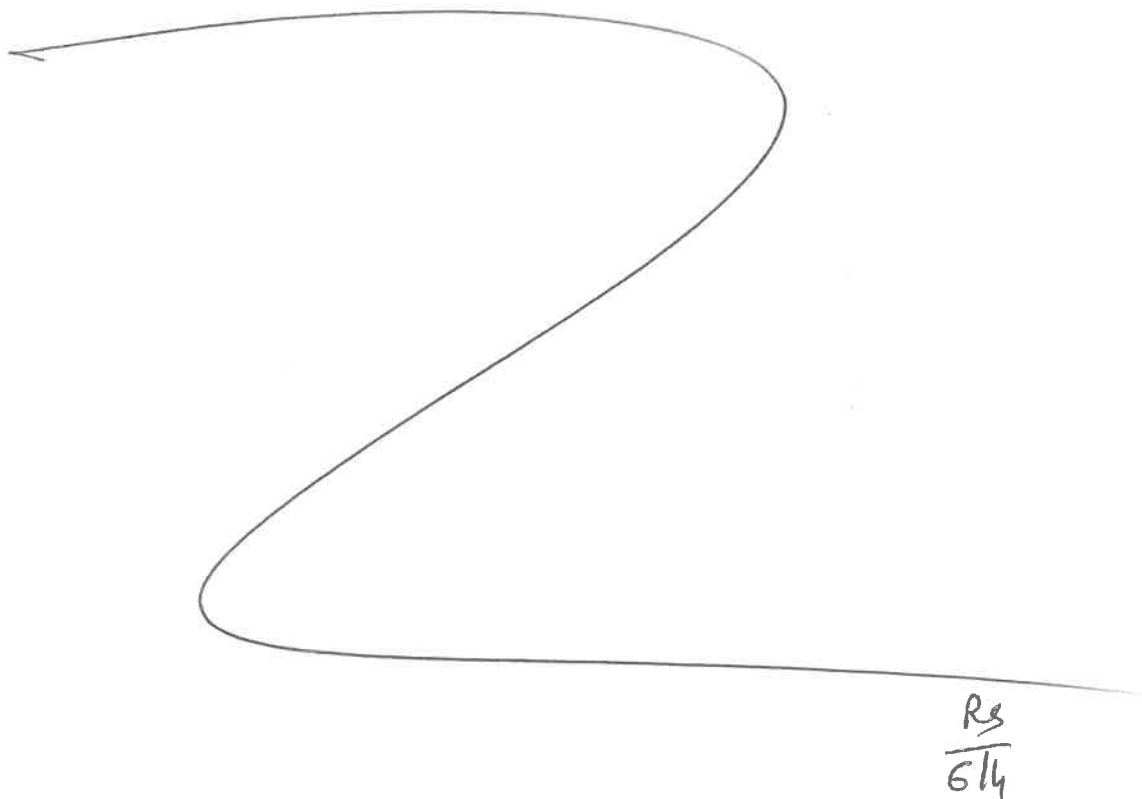
KD Bath ID:	WATER BATH-1,2	Envap ID:	NEVAP-02
KD Bath Temperature:	60 °C	Envap Temperature:	40 °C

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
6/4/25	RS (Ext Lab)	RC/svoc
16:55	Preparation Group	Analysis Group

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

Concentration Date: 06/04/2025

Sample ID	Client Sample ID	Test	g /mL	PH	Surr/ Spike By:		Final Vol. (mL)	JarID	Comments	Prep Pos
					AddedBy	VerifiedBy				
PB168286BL	SBLK286	SVOC-SIMGrou p1	1000	6	RUPEsh	ritesh	1			SEP-7
PB168286BS	SLCS286	SVOC-SIMGrou p1	1000	6	RUPEsh	ritesh	1			8
PB168286BS D	SLCSD286	SVOC-SIMGrou p1	1000	6	RUPEsh	ritesh	1			9
Q2186-03	BP-VPB-182-GW-680-682	SVOC-SIMGrou p1	390	6	RUPEsh	ritesh	1	C		10
Q2186-07	BP-VPB-182-GW-720-722	SVOC-SIMGrou p1	870	6	RUPEsh	ritesh	1	C		11
Q2186-09	VPB182-HYD-20250530	SVOC-SIMGrou p1	890	6	RUPEsh	ritesh	1	C		12
Q2200-01	RMW-02B-66-060325	SVOC-SIMGrou p1	970	6	RUPEsh	ritesh	1	C		13
Q2200-02	RMW-03B-90-060325	SVOC-SIMGrou p1	960	6	RUPEsh	ritesh	1	C		14
Q2200-03	EB01-060325	SVOC-SIMGrou p1	910	6	RUPEsh	ritesh	1	C		15
Q2200-04	MW-01-6.5-060325	SVOC-SIMGrou p1	1000	6	RUPEsh	ritesh	1			16
Q2200-05	MW-11B-37.5-060325	SVOC-SIMGrou p1	970	6	RUPEsh	ritesh	1	C		17



168286
11-46

WORKLIST(Hardcopy Internal Chain)

WorkList Name : Q2186

WorkList ID : 189931

Department : Extraction

Date : 06-04-2025 11:39:53

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q2186-03	BP-VPB-182-GW-680-682	Water	SVOC-SIMGroup1	Cool 4 deg C	TETR06	N13	05/30/2025	8270-Modified
Q2186-07	BP-VPB-182-GW-720-722	Water	SVOC-SIMGroup1	Cool 4 deg C	TETR06	N13	06/02/2025	8270-Modified
Q2186-09	VPB182-HYD-20250530	Water	SVOC-SIMGroup1	Cool 4 deg C	TETR06	N13	05/30/2025	8270-Modified
Q2200-01	RMW-02B-66-060325	Water	SVOC-SIMGroup1	Cool 4 deg C	JACO05	L31	06/03/2025	8270-Modified
Q2200-02	RMW-03B-90-060325	Water	SVOC-SIMGroup1	Cool 4 deg C	JACO05	L31	06/03/2025	8270-Modified
Q2200-03	EB01-060325	Water	SVOC-SIMGroup1	Cool 4 deg C	JACO05	L31	06/03/2025	8270-Modified
Q2200-04	MW-01-6.5-060325	Water	SVOC-SIMGroup1	Cool 4 deg C	JACO05	L31	06/03/2025	8270-Modified
Q2200-05	MW-11B-37.5-060325	Water	SVOC-SIMGroup1	Cool 4 deg C	JACO05	L31	06/03/2025	8270-Modified

Date/Time

6/4/25 11:40

Raw Sample Received by:

RS (Ext Lab)

Raw Sample Relinquished by:

Rm Sm

Date/Time

6/4/25 12:30

Raw Sample Received by:

Rm Sm

Raw Sample Relinquished by:

RS (Ext Lab)

LAB CHRONICLE

OrderID:	Q2200	OrderDate:	6/3/2025 4:06:00 PM
Client:	JACOBS Engineering Group, Inc.	Project:	Former Schlumberger STC PTC Site D3868221
Contact:	John Ynfante	Location:	L31,VOA Ref. #3 Water

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q2200-01	RMW-02B-66-060325	Water			06/03/25			06/03/25
			SVOC-SIMGroup1	8270-Modified		06/04/25	06/05/25	
Q2200-01DL	RMW-02B-66-060325 DL	Water			06/03/25			06/03/25
			SVOC-SIMGroup1	8270-Modified		06/04/25	06/05/25	
Q2200-02	RMW-03B-90-060325	Water			06/03/25			06/03/25
			SVOC-SIMGroup1	8270-Modified		06/04/25	06/05/25	
Q2200-02DL	RMW-03B-90-060325 DL	Water			06/03/25			06/03/25
			SVOC-SIMGroup1	8270-Modified		06/04/25	06/05/25	
Q2200-03	EB01-060325	Water			06/03/25			06/03/25
			SVOC-SIMGroup1	8270-Modified		06/04/25	06/05/25	
Q2200-04	MW-01-6.5-060325	Water			06/03/25			06/03/25
			SVOC-SIMGroup1	8270-Modified		06/04/25	06/05/25	
Q2200-05	MW-11B-37.5-060325	Water			06/03/25			06/03/25
			SVOC-SIMGroup1	8270-Modified		06/04/25	06/05/25	
Q2200-05DL	MW-11B-37.5-060325 DL	Water			06/03/25			06/03/25
			SVOC-SIMGroup1	8270-Modified		06/04/25	06/05/25	