

Hit Summary Sheet SW-846

SDG No.: Q3552

Client: Remington & Vernick Engineers

Sample ID	Client ID		Parameter	Concentration	C	MDL	RDL	Units
Client ID :	MW-4							
Q3552-01	MW-4	WATER	1,4-Dioxane	69.300	E	0.07	0.2	ug/L
			Total Svoc :			69.30		
			Total Concentration:			69.30		
Client ID :	MW-4DL							
Q3552-01DL	MW-4DL	WATER	1,4-Dioxane	85.600	D	2.6	8	ug/L
			Total Svoc :			85.60		
			Total Concentration:			85.60		
Client ID :	MW-8							
Q3552-02	MW-8	WATER	1,4-Dioxane	9.000	E	0.07	0.2	ug/L
			Total Svoc :			9.00		
			Total Concentration:			9.00		
Client ID :	MW-8DL							
Q3552-02DL	MW-8DL	WATER	1,4-Dioxane	11.200	D	0.33	1	ug/L
			Total Svoc :			11.20		
			Total Concentration:			11.20		
Client ID :	MW-9							
Q3552-03	MW-9	WATER	1,4-Dioxane	19.900	E	0.07	0.2	ug/L
			Total Svoc :			19.90		
			Total Concentration:			19.90		
Client ID :	MW-9DL							
Q3552-03DL	MW-9DL	WATER	1,4-Dioxane	13.800	D	0.33	1	ug/L
			Total Svoc :			13.80		
			Total Concentration:			13.80		
Client ID :	MW-10							
Q3552-04	MW-10	WATER	1,4-Dioxane	0.650		0.07	0.2	ug/L
			Total Svoc :			0.65		
			Total Concentration:			0.65		
Client ID :	MW-3							
Q3552-05	MW-3	WATER	1,4-Dioxane	13.300	E	0.07	0.21	ug/L
			Total Svoc :			13.30		
			Total Concentration:			13.30		
Client ID :	MW-3DL							
Q3552-05DL	MW-3DL	WATER	1,4-Dioxane	9.700	D	0.34	1	ug/L
			Total Svoc :			9.70		



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

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Client: Remington & Vernick Engineers

Sample ID	Client ID	Parameter	Concentration	C	MDL	RDL	Units
		Total Concentration:			9.70		



SAMPLE DATA

Report of Analysis

Client: Remington & Vernick Engineers	Date Collected: 11/04/25	
Project: Edison Landfill	Date Received: 11/05/25	
Client Sample ID: MW-4	SDG No.: Q3552	
Lab Sample ID: Q3552-01	Matrix: Water	
Analytical Method: SW8270ESIM Level: LOW	% Solid: 0	
Sample Wt/Vol: 1000 mL Final Vol: 1000 uL	Test: SVOC-SIMGroup1	
Prep Method : 3510C Prep Date: 11/06/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
TARGETS									
123-91-1	1,4-Dioxane	69.3	E	1	0.070	0.20	ug/L	11/07/25 19:10	PB170427
SURROGATES									
7297-45-2	2-Methylnaphthalene-d10	0.36			30 (20) - 150 (139)	90%	SPK: 0.4		
93951-69-0	Fluoranthene-d10	0.27			30 (54) - 150 (157)	68%	SPK: 0.4		
4165-60-0	Nitrobenzene-d5	0.39			30 (27) - 130 (154)	98%	SPK: 0.4		
321-60-8	2-Fluorobiphenyl	0.30			30 (30) - 130 (155)	76%	SPK: 0.4		
1718-51-0	Terphenyl-d14	0.46			30 (54) - 130 (175)	114%	SPK: 0.4		
INTERNAL STANDARDS		Area Count							
3855-82-1	1,4-Dichlorobenzene-d4	9580							
1146-65-2	Naphthalene-d8	31300							
15067-26-2	Acenaphthene-d10	19600							
1517-22-2	Phenanthrene-d10	29600							
1719-03-5	Chrysene-d12	19300							
1520-96-3	Perylene-d12	19600							

U = Not Detected

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B = Analyte Found in Associated Method Blank

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Report of Analysis

Client: Remington & Vernick Engineers	Date Collected: 11/04/25	
Project: Edison Landfill	Date Received: 11/05/25	
Client Sample ID: MW-4DL	SDG No.: Q3552	
Lab Sample ID: Q3552-01DL	Matrix: Water	
Analytical Method: SW8270ESIM Level: LOW	% Solid: 0	
Sample Wt/Vol: 1000 mL Final Vol: 1000 uL	Test: SVOC-SIMGroup1	
Prep Method : 3510C Prep Date: 11/06/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
TARGETS									
123-91-1	1,4-Dioxane	85.6	D	40	2.60	8.00	ug/L	11/10/25 12:02	PB170427
SURROGATES									
7297-45-2	2-Methylnaphthalene-d10	0.36			30 (20) - 150 (139)	90%	SPK: 0.4		
93951-69-0	Fluoranthene-d10	0.32			30 (54) - 150 (157)	80%	SPK: 0.4		
4165-60-0	Nitrobenzene-d5	0.56	*		30 (27) - 130 (154)	140%	SPK: 0.4		
321-60-8	2-Fluorobiphenyl	0.60	*		30 (30) - 130 (155)	150%	SPK: 0.4		
1718-51-0	Terphenyl-d14	0.72	*		30 (54) - 130 (175)	180%	SPK: 0.4		
INTERNAL STANDARDS		Area Count							
3855-82-1	1,4-Dichlorobenzene-d4	9410							
1146-65-2	Naphthalene-d8	31200							
15067-26-2	Acenaphthene-d10	19400							
1517-22-2	Phenanthrene-d10	36900							
1719-03-5	Chrysene-d12	22600							
1520-96-3	Perylene-d12	19700							

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Report of Analysis

Client: Remington & Vernick Engineers	Date Collected: 11/04/25	
Project: Edison Landfill	Date Received: 11/05/25	
Client Sample ID: MW-8	SDG No.: Q3552	
Lab Sample ID: Q3552-02	Matrix: Water	
Analytical Method: SW8270ESIM Level: LOW	% Solid: 0	
Sample Wt/Vol: 1000 mL Final Vol: 1000 uL	Test: SVOC-SIMGroup1	
Prep Method : 3510C Prep Date: 11/06/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
TARGETS									
123-91-1	1,4-Dioxane	9.00	E	1	0.070	0.20	ug/L	11/07/25 19:46	PB170427
SURROGATES									
7297-45-2	2-Methylnaphthalene-d10	0.36			30 (20) - 150 (139)	91%	SPK: 0.4		
93951-69-0	Fluoranthene-d10	0.35			30 (54) - 150 (157)	88%	SPK: 0.4		
4165-60-0	Nitrobenzene-d5	0.36			30 (27) - 130 (154)	89%	SPK: 0.4		
321-60-8	2-Fluorobiphenyl	0.30			30 (30) - 130 (155)	74%	SPK: 0.4		
1718-51-0	Terphenyl-d14	0.62	*		30 (54) - 130 (175)	154%	SPK: 0.4		
INTERNAL STANDARDS		Area Count							
3855-82-1	1,4-Dichlorobenzene-d4	9440							
1146-65-2	Naphthalene-d8	31600							
15067-26-2	Acenaphthene-d10	21900							
1517-22-2	Phenanthrene-d10	34000							
1719-03-5	Chrysene-d12	18800							
1520-96-3	Perylene-d12	17700							

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Report of Analysis

Client: Remington & Vernick Engineers	Date Collected: 11/04/25	
Project: Edison Landfill	Date Received: 11/05/25	
Client Sample ID: MW-8DL	SDG No.: Q3552	
Lab Sample ID: Q3552-02DL	Matrix: Water	
Analytical Method: SW8270ESIM Level: LOW	% Solid: 0	
Sample Wt/Vol: 1000 mL Final Vol: 1000 uL	Test: SVOC-SIMGroup1	
Prep Method : 3510C Prep Date: 11/06/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
TARGETS									
123-91-1	1,4-Dioxane	11.2	D	5	0.33	1.00	ug/L	11/10/25 13:52	PB170427
SURROGATES									
7297-45-2	2-Methylnaphthalene-d10	0.42			30 (20) - 150 (139)	105%	SPK: 0.4		
93951-69-0	Fluoranthene-d10	0.43			30 (54) - 150 (157)	106%	SPK: 0.4		
4165-60-0	Nitrobenzene-d5	0.46			30 (27) - 130 (154)	115%	SPK: 0.4		
321-60-8	2-Fluorobiphenyl	0.51			30 (30) - 130 (155)	127%	SPK: 0.4		
1718-51-0	Terphenyl-d14	0.78	*		30 (54) - 130 (175)	194%	SPK: 0.4		
INTERNAL STANDARDS		Area Count							
3855-82-1	1,4-Dichlorobenzene-d4	8860							
1146-65-2	Naphthalene-d8	29400							
15067-26-2	Acenaphthene-d10	18100							
1517-22-2	Phenanthrene-d10	31900							
1719-03-5	Chrysene-d12	18300							
1520-96-3	Perylene-d12	17100							

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Report of Analysis

Client:	Remington & Vernick Engineers		Date Collected:	11/04/25
Project:	Edison Landfill		Date Received:	11/05/25
Client Sample ID:	MW-9		SDG No.:	Q3552
Lab Sample ID:	Q3552-03		Matrix:	Water
Analytical Method:	SW8270ESIM	Level: LOW	% Solid:	0
Sample Wt/Vol:	1000 mL	Final Vol: 1000 uL	Test:	SVOC-SIMGroup1
Prep Method :	3510C	Prep Date: 11/06/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
TARGETS									
123-91-1	1,4-Dioxane	19.9	E	1	0.070	0.20	ug/L	11/07/25 14:56	PB170427
SURROGATES									
7297-45-2	2-Methylnaphthalene-d10	0.36			30 (20) - 150 (139)	89%	SPK: 0.4		
93951-69-0	Fluoranthene-d10	0.31			30 (54) - 150 (157)	78%	SPK: 0.4		
4165-60-0	Nitrobenzene-d5	0.40			30 (27) - 130 (154)	99%	SPK: 0.4		
321-60-8	2-Fluorobiphenyl	0.30			30 (30) - 130 (155)	74%	SPK: 0.4		
1718-51-0	Terphenyl-d14	0.50			30 (54) - 130 (175)	124%	SPK: 0.4		
INTERNAL STANDARDS		Area Count							
3855-82-1	1,4-Dichlorobenzene-d4	10300							
1146-65-2	Naphthalene-d8	33200							
15067-26-2	Acenaphthene-d10	28400							
1517-22-2	Phenanthrene-d10	32700							
1719-03-5	Chrysene-d12	18500							
1520-96-3	Perylene-d12	19700							

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Report of Analysis

Client: Remington & Vernick Engineers	Date Collected: 11/04/25	
Project: Edison Landfill	Date Received: 11/05/25	
Client Sample ID: MW-9DL	SDG No.: Q3552	
Lab Sample ID: Q3552-03DL	Matrix: Water	
Analytical Method: SW8270ESIM Level: LOW	% Solid: 0	
Sample Wt/Vol: 1000 mL Final Vol: 1000 uL	Test: SVOC-SIMGroup1	
Prep Method : 3510C Prep Date: 11/06/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
TARGETS									
123-91-1	1,4-Dioxane	13.8	D	5	0.33	1.00	ug/L	11/10/25 13:16	PB170427
SURROGATES									
7297-45-2	2-Methylnaphthalene-d10	0.27			30 (20) - 150 (139)	68%	SPK: 0.4		
93951-69-0	Fluoranthene-d10	0.22			30 (54) - 150 (157)	54%	SPK: 0.4		
4165-60-0	Nitrobenzene-d5	0.26			30 (27) - 130 (154)	65%	SPK: 0.4		
321-60-8	2-Fluorobiphenyl	0.29			30 (30) - 130 (155)	72%	SPK: 0.4		
1718-51-0	Terphenyl-d14	0.41			30 (54) - 130 (175)	101%	SPK: 0.4		
INTERNAL STANDARDS		Area Count							
3855-82-1	1,4-Dichlorobenzene-d4	9070							
1146-65-2	Naphthalene-d8	30900							
15067-26-2	Acenaphthene-d10	19000							
1517-22-2	Phenanthrene-d10	33100							
1719-03-5	Chrysene-d12	19000							
1520-96-3	Perylene-d12	17700							

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Report of Analysis

Client: Remington & Vernick Engineers	Date Collected: 11/05/25	
Project: Edison Landfill	Date Received: 11/05/25	
Client Sample ID: MW-10	SDG No.: Q3552	
Lab Sample ID: Q3552-04	Matrix: Water	
Analytical Method: SW8270ESIM Level: LOW	% Solid: 0	
Sample Wt/Vol: 1000 mL Final Vol: 1000 uL	Test: SVOC-SIMGroup1	
Prep Method : 3510C Prep Date: 11/06/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
TARGETS									
123-91-1	1,4-Dioxane	0.65		1	0.070	0.20	ug/L	11/07/25 18:34	PB170427
SURROGATES									
7297-45-2	2-Methylnaphthalene-d10	0.33			30 (20) - 150 (139)	83%	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)	82%	SPK: 0.4		
321-60-8	2-Fluorobiphenyl	0.38			30 (30) - 130 (155)	96%	SPK: 0.4		
1718-51-0	Terphenyl-d14	0.62	*		30 (54) - 130 (175)	156%	SPK: 0.4		
INTERNAL STANDARDS		Area Count							
3855-82-1	1,4-Dichlorobenzene-d4	8830							
1146-65-2	Naphthalene-d8	28600							
15067-26-2	Acenaphthene-d10	17100							
1517-22-2	Phenanthrene-d10	31600							
1719-03-5	Chrysene-d12	18300							
1520-96-3	Perylene-d12	16900							

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Report of Analysis

Client: Remington & Vernick Engineers	Date Collected: 11/04/25	
Project: Edison Landfill	Date Received: 11/05/25	
Client Sample ID: MW-3	SDG No.: Q3552	
Lab Sample ID: Q3552-05	Matrix: Water	
Analytical Method: SW8270ESIM Level: LOW	% Solid: 0	
Sample Wt/Vol: 960 mL Final Vol: 1000 uL	Test: SVOC-SIMGroup1	
Prep Method : 3510C Prep Date: 11/06/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
TARGETS									
123-91-1	1,4-Dioxane	13.3	E	1	0.070	0.21	ug/L	11/07/25 16:10	PB170427
SURROGATES									
7297-45-2	2-Methylnaphthalene-d10	0.43			30 (20) - 150 (139)	108%	SPK: 0.4		
93951-69-0	Fluoranthene-d10	0.36			30 (54) - 150 (157)	89%	SPK: 0.4		
4165-60-0	Nitrobenzene-d5	0.43			30 (27) - 130 (154)	107%	SPK: 0.4		
321-60-8	2-Fluorobiphenyl	0.28			30 (30) - 130 (155)	70%	SPK: 0.4		
1718-51-0	Terphenyl-d14	0.54	*		30 (54) - 130 (175)	136%	SPK: 0.4		
INTERNAL STANDARDS		Area Count							
3855-82-1	1,4-Dichlorobenzene-d4	10800							
1146-65-2	Naphthalene-d8	36400							
15067-26-2	Acenaphthene-d10	31600							
1517-22-2	Phenanthrene-d10	41200							
1719-03-5	Chrysene-d12	24200							
1520-96-3	Perylene-d12	21500							

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Project: Edison Landfill	Date Received: 11/05/25	
Client Sample ID: MW-3DL	SDG No.: Q3552	
Lab Sample ID: Q3552-05DL	Matrix: Water	
Analytical Method: SW8270ESIM Level: LOW	% Solid: 0	
Sample Wt/Vol: 960 mL Final Vol: 1000 uL	Test: SVOC-SIMGroup1	
Prep Method : 3510C Prep Date: 11/06/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
TARGETS									
123-91-1	1,4-Dioxane	9.70	D	5	0.34	1.00	ug/L	11/10/25 12:39	PB170427
SURROGATES									
7297-45-2	2-Methylnaphthalene-d10	0.30			30 (20) - 150 (139)	74%	SPK: 0.4		
93951-69-0	Fluoranthene-d10	0.27			30 (54) - 150 (157)	66%	SPK: 0.4		
4165-60-0	Nitrobenzene-d5	0.30			30 (27) - 130 (154)	74%	SPK: 0.4		
321-60-8	2-Fluorobiphenyl	0.30			30 (30) - 130 (155)	75%	SPK: 0.4		
1718-51-0	Terphenyl-d14	0.43			30 (54) - 130 (175)	106%	SPK: 0.4		
INTERNAL STANDARDS		Area Count							
3855-82-1	1,4-Dichlorobenzene-d4	11300							
1146-65-2	Naphthalene-d8	37600							
15067-26-2	Acenaphthene-d10	24500							
1517-22-2	Phenanthrene-d10	44200							
1719-03-5	Chrysene-d12	28600							
1520-96-3	Perylene-d12	24500							

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QC SUMMARY

Surrogate Summary

SW-846

SDG No.: Q3552

Client: Remington & Vernick Engineers

Analytical Method: 8270-Modified

Lab Sample ID	Client ID	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%)	
							Low	High
PB170427BL	PB170427BL	2-Methylnaphthalene-d10	0.4	0.37	92		30 (20)	150 (139)
		Fluoranthene-d10	0.4	0.36	91		30 (54)	150 (157)
		Nitrobenzene-d5	0.4	0.38	95		30 (27)	130 (154)
		2-Fluorobiphenyl	0.4	0.39	98		30 (30)	130 (155)
		Terphenyl-d14	0.4	0.52	129		30 (54)	130 (175)
PB170427BS	PB170427BS	2-Methylnaphthalene-d10	0.4	0.35	88		30 (20)	150 (139)
		Fluoranthene-d10	0.4	0.34	84		30 (54)	150 (157)
		Nitrobenzene-d5	0.4	0.37	93		30 (27)	130 (154)
		2-Fluorobiphenyl	0.4	0.40	99		30 (30)	130 (155)
		Terphenyl-d14	0.4	0.44	110		30 (54)	130 (175)
PB170427BSD	PB170427BSD	2-Methylnaphthalene-d10	0.4	0.37	93		30 (20)	150 (139)
		Fluoranthene-d10	0.4	0.29	74		30 (54)	150 (157)
		Nitrobenzene-d5	0.4	0.36	91		30 (27)	130 (154)
		2-Fluorobiphenyl	0.4	0.38	94		30 (30)	130 (155)
		Terphenyl-d14	0.4	0.47	118		30 (54)	130 (175)
Q3552-01	MW-4	2-Methylnaphthalene-d10	0.4	0.36	90		30 (20)	150 (139)
		Fluoranthene-d10	0.4	0.27	68		30 (54)	150 (157)
		Nitrobenzene-d5	0.4	0.39	98		30 (27)	130 (154)
		2-Fluorobiphenyl	0.4	0.30	76		30 (30)	130 (155)
		Terphenyl-d14	0.4	0.46	114		30 (54)	130 (175)
Q3552-01DL	MW-4DL	2-Methylnaphthalene-d10	0.4	0.36	90		30 (20)	150 (139)
		Fluoranthene-d10	0.4	0.32	80		30 (54)	150 (157)
		Nitrobenzene-d5	0.4	0.56	140	*	30 (27)	130 (154)
		2-Fluorobiphenyl	0.4	0.60	150	*	30 (30)	130 (155)
		Terphenyl-d14	0.4	0.72	180	*	30 (54)	130 (175)
Q3552-02	MW-8	2-Methylnaphthalene-d10	0.4	0.36	91		30 (20)	150 (139)
		Fluoranthene-d10	0.4	0.35	88		30 (54)	150 (157)
		Nitrobenzene-d5	0.4	0.36	89		30 (27)	130 (154)
		2-Fluorobiphenyl	0.4	0.30	74		30 (30)	130 (155)
		Terphenyl-d14	0.4	0.62	154	*	30 (54)	130 (175)
Q3552-02DL	MW-8DL	2-Methylnaphthalene-d10	0.4	0.42	105		30 (20)	150 (139)
		Fluoranthene-d10	0.4	0.43	106		30 (54)	150 (157)
		Nitrobenzene-d5	0.4	0.46	115		30 (27)	130 (154)
		2-Fluorobiphenyl	0.4	0.51	127		30 (30)	130 (155)
		Terphenyl-d14	0.4	0.78	194	*	30 (54)	130 (175)
Q3552-03	MW-9	2-Methylnaphthalene-d10	0.4	0.36	89		30 (20)	150 (139)
		Fluoranthene-d10	0.4	0.31	78		30 (54)	150 (157)
		Nitrobenzene-d5	0.4	0.40	99		30 (27)	130 (154)
		2-Fluorobiphenyl	0.4	0.30	74		30 (30)	130 (155)
		Terphenyl-d14	0.4	0.50	124		30 (54)	130 (175)
Q3552-03DL	MW-9DL	2-Methylnaphthalene-d10	0.4	0.27	68		30 (20)	150 (139)
		Fluoranthene-d10	0.4	0.22	54		30 (54)	150 (157)
		Nitrobenzene-d5	0.4	0.26	65		30 (27)	130 (154)
		2-Fluorobiphenyl	0.4	0.29	72		30 (30)	130 (155)
		Terphenyl-d14	0.4	0.41	101		30 (54)	130 (175)
Q3552-04	MW-10	2-Methylnaphthalene-d10	0.4	0.33	83		30 (20)	150 (139)
		Fluoranthene-d10	0.4	0.36	90		30 (54)	150 (157)
		Nitrobenzene-d5	0.4	0.33	82		30 (27)	130 (154)
		2-Fluorobiphenyl	0.4	0.38	96		30 (30)	130 (155)
		Terphenyl-d14	0.4	0.62	156	*	30 (54)	130 (175)
Q3552-05	MW-3	2-Methylnaphthalene-d10	0.4	0.43	108		30 (20)	150 (139)

() = LABORATORY INHOUSE LIMIT

Surrogate Summary

SW-846

SDG No.: Q3552

Client: Remington & Vernick Engineers

Analytical Method: 8270-Modified

Lab Sample ID	Client ID	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%)	
							Low	High
Q3552-05	MW-3	Fluoranthene-d10	0.4	0.36	89		30 (54)	150 (157)
		Nitrobenzene-d5	0.4	0.43	107		30 (27)	130 (154)
		2-Fluorobiphenyl	0.4	0.28	70		30 (30)	130 (155)
		Terphenyl-d14	0.4	0.54	136	*	30 (54)	130 (175)
Q3552-05DL	MW-3DL	2-Methylnaphthalene-d10	0.4	0.30	74		30 (20)	150 (139)
		Fluoranthene-d10	0.4	0.27	66		30 (54)	150 (157)
		Nitrobenzene-d5	0.4	0.30	74		30 (27)	130 (154)
		2-Fluorobiphenyl	0.4	0.30	75		30 (30)	130 (155)
		Terphenyl-d14	0.4	0.43	106		30 (54)	130 (175)

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q3552

Analytical Method: 8270-Modified

Client: Remington & Vernick Engineers

DataFile: BN038152.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD	Limits		RPD
								Qual	Low	High	
PB170427BS	1,4-Dioxane	0.4	0.32	ug/L	80				20 (65)	160 (116)	

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q3552

Analytical Method: 8270-Modified

Client: Remington & Vernick Engineers

DataFile: BN038153.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD	Limits		
								Qual	Low	High	RPD
PB170427BSD	1,4-Dioxane	0.4	0.30	ug/L	75	6			20 (65)	160 (116)	20 (27)

4B

SEMIVOLATILE METHOD BLANK SUMMARY

Client ID

PB170427BL

Lab Name: Alliance

Contract: REMI02

Lab Code: ACE

SDG NO.: Q3552

Lab File ID: BN038175.D

Lab Sample ID: PB170427BL

Instrument ID: BNA_N

Date Extracted: 11/06/2025

Matrix: (soil/water) Water

Date Analyzed: 11/10/2025

Level: (low/med) LOW

Time Analyzed: 10:50

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
PB170427BS	PB170427BS	BN038152.D	11/07/2025
PB170427BSD	PB170427BSD	BN038153.D	11/07/2025
MW-9	Q3552-03	BN038154.D	11/07/2025
MW-10	Q3552-04	BN038160.D	11/07/2025
MW-4	Q3552-01	BN038161.D	11/07/2025
MW-8	Q3552-02	BN038162.D	11/07/2025
MW-3	Q3552-05	BN038156.D	11/07/2025

COMMENTS: _____

5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: Alliance
Lab Code: ACE
Lab File ID: BN038110.D
Instrument ID: BNA_N

Contract: REMI02
SDG NO.: Q3552
DFTPP Injection Date: 10/28/2025
DFTPP Injection Time: 12:05

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
68	Less than 2.0% of mass 69	0.7 (1.8) 1
69	Mass 69 relative abundance	38.2
70	Less than 2.0% of mass 69	0.2 (0.5) 1
197	Less than 2.0% of mass 198	0.2
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	6.5
365	Greater than 1% of mass 198	3.4
441	Present, but less than mass 443	14.2
442	Greater than 50% of mass 198	85.3
443	15.0 - 24.0% of mass 442	17 (19.9) 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	BN038111.D	10/28/2025	13:00
SSTDICC0.2	SSTDICC0.2	BN038112.D	10/28/2025	13:36
SSTDICCC0.4	SSTDICCC0.4	BN038113.D	10/28/2025	14:13
SSTDICC0.8	SSTDICC0.8	BN038114.D	10/28/2025	14:49
SSTDICC1.6	SSTDICC1.6	BN038115.D	10/28/2025	15:25
SSTDICC3.2	SSTDICC3.2	BN038116.D	10/28/2025	16:02
SSTDICC5.0	SSTDICC5.0	BN038117.D	10/28/2025	16:38

5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: Alliance
Lab Code: ACE
Lab File ID: BN038146.D
Instrument ID: BNA_N

Contract: REMI02
SDG NO.: Q3552
DFTPP Injection Date: 11/07/2025
DFTPP Injection Time: 09:00

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
68	Less than 2.0% of mass 69	0.4 (1.1) 1
69	Mass 69 relative abundance	35.7
70	Less than 2.0% of mass 69	0.2 (0.5) 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
365	Greater than 1% of mass 198	3.7
441	Present, but less than mass 443	15
442	Greater than 50% of mass 198	98.3
443	15.0 - 24.0% of mass 442	19.4 (19.7) 2

1-Value is % mass 69

2-Value is % mass 442

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
SSTDCCC0.4	SSTDCCC0.4	BN038147.D	11/07/2025	09:39
PB170427BS	PB170427BS	BN038152.D	11/07/2025	13:44
PB170427BSD	PB170427BSD	BN038153.D	11/07/2025	14:20
MW-9	Q3552-03	BN038154.D	11/07/2025	14:56
MW-3	Q3552-05	BN038156.D	11/07/2025	16:10
MW-10	Q3552-04	BN038160.D	11/07/2025	18:34
MW-4	Q3552-01	BN038161.D	11/07/2025	19:10
MW-8	Q3552-02	BN038162.D	11/07/2025	19:46

5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: Alliance
Lab Code: ACE
Lab File ID: BN038173.D
Instrument ID: BNA_N

Contract: REMI02
SDG NO.: Q3552
DFTPP Injection Date: 11/10/2025
DFTPP Injection Time: 09:30

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
68	Less than 2.0% of mass 69	0.7 (1.7) 1
69	Mass 69 relative abundance	39.7
70	Less than 2.0% of mass 69	0.2 (0.6) 1
197	Less than 2.0% of mass 198	0.2
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	7
365	Greater than 1% of mass 198	3.4
441	Present, but less than mass 443	12.5
442	Greater than 50% of mass 198	83.2
443	15.0 - 24.0% of mass 442	16.3 (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	BN038174.D	11/10/2025	10:14
PB170427BL	PB170427BL	BN038175.D	11/10/2025	10:50
MW-4DL	Q3552-01DL	BN038177.D	11/10/2025	12:02
MW-3DL	Q3552-05DL	BN038178.D	11/10/2025	12:39
MW-9DL	Q3552-03DL	BN038179.D	11/10/2025	13:16
MW-8DL	Q3552-02DL	BN038180.D	11/10/2025	13:52

8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Alliance

Lab Code: ACE

SDG NO.: Q3552

Client ID : SSTDCCC0.4

Date Analyzed: 11/07/2025

Lab File ID: BN038147.D

Time Analyzed: 09:39

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	8319	7.775	24620	10.57	13514	14.43
UPPER LIMIT	16638	8.275	49240	11.073	27028	14.93
LOWER LIMIT	4159.5	7.275	12310	10.073	6757	13.93
EPA SAMPLE NO.						
01 PB170427BS	9551	7.79	28713	10.58	15548	14.44
02 PB170427BSD	10026	7.78	28983	10.57	15515	14.43
03 MW-4	9584	7.78	31274	10.57	19621	14.43
04 MW-8	9440	7.78	31588	10.57	21904	14.43
05 MW-9	10349	7.78	33209	10.57	28422 *	14.43
06 MW-10	8828	7.78	28618	10.57	17122	14.43
07 MW-3	10844	7.78	36387	10.57	31553 *	14.43

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: Alliance

Lab Code: ACE

SDG NO.: Q3552

Client ID: SSTDCCC0.4

Date Analyzed: 11/07/2025

Lab File ID: BN038147.D

Time Analyzed: 09:39

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	25821	17.186	19154	21.375	16199	23.683
UPPER LIMIT	51642	17.686	38308	21.875	32398	24.183
LOWER LIMIT	12910.5	16.686	9577	20.875	8099.5	23.183
EPA SAMPLE NO.						
01 PB170427BS	28280	17.19	19896	21.38	16901	23.70
02 PB170427BSD	27421	17.19	14748	21.38	12843	23.69
03 MW-4	29623	17.19	19333	21.38	19622	23.69
04 MW-8	34017	17.19	18758	21.38	17749	23.69
05 MW-9	32687	17.19	18523	21.38	19674	23.69
06 MW-10	31605	17.19	18345	21.38	16948	23.69
07 MW-3	41176	17.19	24174	21.38	21532	23.69

IS4 (PHN) = Phenanthrene-d10

IS5 (CRY) = Chrysene-d12

IS6 (PRY) = Perylene-d12

AREA UPPER LIMIT = +100% of internal standard area

AREA LOWER LIMIT = -50% of internal standard area

RT UPPER LIMIT = +0.50 minutes of internal standard RT

RT UPPER LIMIT = -0.50 minutes of internal standard RT

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

* Values outside of QC limits.

8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Alliance

Lab Code: ACE

SDG NO.: Q3552

Client ID : SSTDCCC0.4

Date Analyzed: 11/10/2025

Lab File ID: BN038174.D

Time Analyzed: 10:14

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	8757	7.782	27774	10.58	15906	14.44
UPPER LIMIT	17514	8.282	55548	11.084	31812	14.941
LOWER LIMIT	4378.5	7.282	13887	10.084	7953	13.941
EPA SAMPLE NO.						
01 PB170427BL	8905	7.78	26771	10.57	15040	14.43
02 MW-4DL	9410	7.78	31248	10.57	19363	14.43
03 MW-8DL	8860	7.78	29425	10.57	18072	14.43
04 MW-9DL	9073	7.78	30875	10.57	19011	14.43
05 MW-3DL	11254	7.78	37609	10.57	24476	14.43

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: Alliance

Lab Code: ACE

SDG NO.: Q3552

Client ID: SSTDCCC0.4

Date Analyzed: 11/10/2025

Lab File ID: BN038174.D

Time Analyzed: 10:14

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	29029	17.186	18717	21.375	15819	23.689
UPPER LIMIT	58058	17.686	37434	21.875	31638	24.189
LOWER LIMIT	14514.5	16.686	9358.5	20.875	7909.5	23.189
EPA SAMPLE NO.						
01 PB170427BL	27324	17.19	18808	21.38	16112	23.69
02 MW-4DL	36917	17.19	22577	21.38	19722	23.68
03 MW-8DL	31918	17.19	18273	21.38	17133	23.68
04 MW-9DL	33058	17.19	19022	21.38	17692	23.68
05 MW-3DL	44166	17.19	28574	21.38	24475	23.68

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: Remington & Vernick Engineers	Date Collected:	
Project: Edison Landfill	Date Received:	
Client Sample ID: PB170427BL	SDG No.:	Q3552
Lab Sample ID: PB170427BL	Matrix:	Water
Analytical Method: SW8270ESIM Level: LOW	% Solid:	0
Sample Wt/Vol: 1000 mL Final Vol: 1000 uL	Test:	SVOC-SIMGroup1
Prep Method : 3510C Prep Date: 11/06/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
TARGETS									
123-91-1	1,4-Dioxane	0.070	U	1	0.070	0.20	ug/L	11/10/25 10:50	PB170427
SURROGATES									
7297-45-2	2-Methylnaphthalene-d10	0.37			30 (20) - 150 (139)	92%	SPK: 0.4		
93951-69-0	Fluoranthene-d10	0.36			30 (54) - 150 (157)	91%	SPK: 0.4		
4165-60-0	Nitrobenzene-d5	0.38			30 (27) - 130 (154)	95%	SPK: 0.4		
321-60-8	2-Fluorobiphenyl	0.39			30 (30) - 130 (155)	98%	SPK: 0.4		
1718-51-0	Terphenyl-d14	0.52			30 (54) - 130 (175)	129%	SPK: 0.4		
INTERNAL STANDARDS		Area Count							
3855-82-1	1,4-Dichlorobenzene-d4	8910							
1146-65-2	Naphthalene-d8	26800							
15067-26-2	Acenaphthene-d10	15000							
1517-22-2	Phenanthrene-d10	27300							
1719-03-5	Chrysene-d12	18800							
1520-96-3	Perylene-d12	16100							

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: Remington & Vernick Engineers	Date Collected:	
Project: Edison Landfill	Date Received:	
Client Sample ID: PB170427BS	SDG No.:	Q3552
Lab Sample ID: PB170427BS	Matrix:	Water
Analytical Method: SW8270ESIM Level: LOW	% Solid:	0
Sample Wt/Vol: 1000 mL Final Vol: 1000 uL	Test:	SVOC-SIMGroup1
Prep Method : 3510C Prep Date: 11/06/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
TARGETS									
123-91-1	1,4-Dioxane	0.32		1	0.070	0.20	ug/L	11/07/25 13:44	PB170427
SURROGATES									
7297-45-2	2-Methylnaphthalene-d10	0.35			30 (20) - 150 (139)	88%	SPK: 0.4		
93951-69-0	Fluoranthene-d10	0.34			30 (54) - 150 (157)	84%	SPK: 0.4		
4165-60-0	Nitrobenzene-d5	0.37			30 (27) - 130 (154)	93%	SPK: 0.4		
321-60-8	2-Fluorobiphenyl	0.40			30 (30) - 130 (155)	99%	SPK: 0.4		
1718-51-0	Terphenyl-d14	0.44			30 (54) - 130 (175)	110%	SPK: 0.4		
INTERNAL STANDARDS		Area Count							
3855-82-1	1,4-Dichlorobenzene-d4	9550							
1146-65-2	Naphthalene-d8	28700							
15067-26-2	Acenaphthene-d10	15500							
1517-22-2	Phenanthrene-d10	28300							
1719-03-5	Chrysene-d12	19900							
1520-96-3	Perylene-d12	16900							

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: Remington & Vernick Engineers	Date Collected:	
Project: Edison Landfill	Date Received:	
Client Sample ID: PB170427BSD	SDG No.:	Q3552
Lab Sample ID: PB170427BSD	Matrix:	Water
Analytical Method: SW8270ESIM Level: LOW	% Solid:	0
Sample Wt/Vol: 1000 mL Final Vol: 1000 uL	Test:	SVOC-SIMGroup1
Prep Method : 3510C Prep Date: 11/06/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
TARGETS									
123-91-1	1,4-Dioxane	0.30		1	0.070	0.20	ug/L	11/07/25 14:20	PB170427
SURROGATES									
7297-45-2	2-Methylnaphthalene-d10	0.37			30 (20) - 150 (139)	93%	SPK: 0.4		
93951-69-0	Fluoranthene-d10	0.29			30 (54) - 150 (157)	74%	SPK: 0.4		
4165-60-0	Nitrobenzene-d5	0.36			30 (27) - 130 (154)	91%	SPK: 0.4		
321-60-8	2-Fluorobiphenyl	0.38			30 (30) - 130 (155)	94%	SPK: 0.4		
1718-51-0	Terphenyl-d14	0.47			30 (54) - 130 (175)	118%	SPK: 0.4		
INTERNAL STANDARDS		Area Count							
3855-82-1	1,4-Dichlorobenzene-d4	10000							
1146-65-2	Naphthalene-d8	29000							
15067-26-2	Acenaphthene-d10	15500							
1517-22-2	Phenanthrene-d10	27400							
1719-03-5	Chrysene-d12	14700							
1520-96-3	Perylene-d12	12800							

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-BN102825.M
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 Last Update : Wed Oct 29 13:09:46 2025
 Response Via : Initial Calibration

Calibration Files

0.1 =BN038111.D 0.2 =BN038112.D 0.4 =BN038113.D 0.8 =BN038114.D 1.6 =BN038115.D 3.2 =BN038116.D 5 =BN038117.D

	Compound	0.1	0.2	0.4	0.8	1.6	3.2	5	Avg	%RSD

1) I	1,4-Dichlorobenzen...	-----ISTD-----								
2)	1,4-Dioxane	0.446	0.424	0.405	0.416	0.400	0.389	0.413	4.87	
3)	n-Nitrosodimet...	0.528	0.537	0.527	0.547	0.534	0.518	0.532	1.85	
4) S	2-Fluorophenol	1.066	0.973	0.954	0.907	0.918	0.895	0.882	0.942	6.73
5) S	Phenol-d6	1.266	1.134	1.134	1.097	1.131	1.135	1.137	1.148	4.71
6)	bis(2-Chloroet...	1.164	1.140	1.126	1.122	1.148	1.114	1.079	1.128	2.42
7) I	Naphthalene-d8	-----ISTD-----								
8) S	Nitrobenzene-d5	0.403	0.312	0.313	0.301	0.316	0.307	0.307	0.323	11.11
9)	Naphthalene	1.139	1.097	1.081	1.080	1.125	1.107	1.084	1.102	2.08
10)	Hexachlorobuta...	0.198	0.187	0.187	0.182	0.188	0.183	0.177	0.186	3.49
11) SURR2	Methylnaphth...	0.581	0.569	0.551	0.549	0.586	0.584	0.579	0.571	2.69
12)	2-Methylnaphth...	0.765	0.712	0.709	0.713	0.757	0.749	0.738	0.735	3.22
13) I	Acenaphthene-d10	-----ISTD-----								
14) S	2,4,6-Tribromo...	0.156	0.151	0.149	0.152	0.171	0.182	0.194	0.165	10.70
15) S	2-Fluorobiphenyl	1.794	1.649	1.577	1.570	1.615	1.514	1.495	1.602	6.24
16)	Acenaphthylene	1.768	1.728	1.711	1.764	1.891	1.912	1.908	1.811	4.88
17)	Acenaphthene	1.260	1.242	1.211	1.234	1.318	1.310	1.297	1.267	3.25
18)	Fluorene	1.549	1.618	1.596	1.635	1.768	1.731	1.729	1.661	4.93
19) I	Phenanthrene-d10	-----ISTD-----								
20)	4,6-Dinitro-2-...	0.041	0.045	0.051	0.064	0.073		0.055	24.55	
21)	4-Bromophenyl-...	0.260	0.251	0.250	0.256	0.274	0.271	0.275	0.262	4.06
22)	Hexachlorobenzene	0.304	0.292	0.298	0.293	0.306	0.297	0.298	0.298	1.76
23)	Atrazine	0.190	0.176	0.176	0.179	0.203	0.209	0.211	0.192	8.19
24)	Pentachlorophenol	0.112	0.108	0.113	0.132	0.146	0.159	0.128	16.16	
25)	Phenanthrene	1.281	1.231	1.224	1.236	1.327	1.293	1.298	1.270	3.12
26)	Anthracene	1.076	1.029	1.047	1.057	1.182	1.183	1.202	1.111	6.72
27) SURR	Fluoranthene-d10	1.040	0.969	0.957	0.981	1.050	1.055	1.009	1.009	4.01
28)	Fluoranthene	1.448	1.349	1.345	1.394	1.492	1.491	1.414	1.419	4.30
29) I	Chrysene-d12	-----ISTD-----								
30)	Pyrene	1.834	1.853	1.842	1.664	1.835	1.766	1.846	1.806	3.82
31) S	Terphenyl-d14	0.878	0.881	0.872	0.807	0.892	0.862	0.891	0.869	3.37
32)	Benzo(a)anthra...	1.491	1.379	1.358	1.363	1.469	1.474	1.456	1.427	4.06
33)	Chrysene	1.623	1.586	1.543	1.523	1.558	1.518	1.490	1.549	2.91
34)	Bis(2-ethylhex...	0.910	0.722	0.700	0.721	0.754	0.703	0.752	10.60	
35) I	Perylene-d12	-----ISTD-----								

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

Method File : 8270-SIM-BN102825.M

36)	Indeno(1,2,3-c...	1.521	1.512	1.604	1.620	1.730	1.739	1.778	1.643	6.53
37)	Benzo(b)fluora...	1.603	1.543	1.630	1.729	1.806	1.839	1.822	1.710	6.94
38)	Benzo(k)fluora...	1.652	1.590	1.619	1.669	1.831	1.835	1.855	1.721	6.62
39) C	Benzo(a)pyrene	1.344	1.276	1.316	1.314	1.420	1.451	1.462	1.369	5.44
40)	Dibenzo(a,h)an...	1.149	1.150	1.196	1.240	1.352	1.363	1.402	1.265	8.42
41)	Benzo(g,h,i)pe...	1.402	1.365	1.426	1.432	1.499	1.477	1.509	1.444	3.66

(#) = Out of Range

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: Alliance Contract: REMI02
Lab Code: ACE SDG No.: Q3552
Instrument ID: BNA_N Calibration Date/Time: 11/07/2025 09:39
Lab File ID: BN038147.D Init. Calib. Date(s): 10/28/2025 10/28/2025
EPA Sample No.: SSTDCCC0.4 Init. Calib. Time(s): 13:00 16:38
GC Column: ZB-GR ID: 0.25 (mm)

COMPOUND	RRF	RRF0.4	MIN RRF	%D	MAX%D
2-Methylnaphthalene-d10	0.571	0.545		-4.6	20.0
Fluoranthene-d10	1.008	0.947		-6.1	20.0
2-Fluorophenol	0.943	0.847		-10.2	20.0
Phenol-d6	1.148	1.036		-9.8	20.0
Nitrobenzene-d5	0.323	0.310		-4.0	20.0
2-Fluorobiphenyl	1.602	1.557		-2.8	20.0
2,4,6-Tribromophenol	0.165	0.133		-19.4	20.0
Terphenyl-d14	0.869	0.848		-2.4	20.0
1,4-Dioxane	0.416	0.407		-2.2	20.0

All other compounds must meet a minimum RRF of 0.010.

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name:	<u>Alliance</u>	Contract:	<u>REMI02</u>
Lab Code:	<u>ACE</u>	SDG No.:	<u>Q3552</u>
Instrument ID:	<u>BNA_N</u>	Calibration Date/Time:	<u>11/10/2025 10:14</u>
Lab File ID:	<u>BN038174.D</u>	Init. Calib. Date(s):	<u>10/28/2025 10/28/2025</u>
EPA Sample No.:	<u>SSTDCCC0.4</u>	Init. Calib. Time(s):	<u>13:00 16:38</u>
GC Column:	<u>ZB-GR</u>	ID:	<u>0.25</u> (mm)

COMPOUND	RRF	RRF0.4	MIN RRF	%D	MAX%D
2-Methylnaphthalene-d10	0.571	0.561		-1.8	20.0
Fluoranthene-d10	1.008	0.917		-9.0	20.0
2-Fluorophenol	0.943	0.971		3.0	20.0
Phenol-d6	1.148	1.169		1.8	20.0
Nitrobenzene-d5	0.323	0.319		-1.2	20.0
2-Fluorobiphenyl	1.602	1.533		-4.3	20.0
2,4,6-Tribromophenol	0.165	0.120		-27.3	20.0
Terphenyl-d14	0.869	0.958		10.2	20.0
1,4-Dioxane	0.416	0.404		-2.9	20.0

All other compounds must meet a minimum RRF of 0.010.



SAMPLE RAW DATA

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN110725\
 Data File : BN038161.D
 Acq On : 07 Nov 2025 19:10
 Operator : RC/JU
 Sample : Q3552-01
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 MW-4

Manual Integrations
 APPROVED

Reviewed By :Rahul Chavli 11/10/2025
 Supervised By :Jagrut Upadhyay 11/10/2025

Quant Time: Nov 08 03:05:39 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN102825.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Oct 29 13:09:46 2025
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.775	152	9584	0.400	ng	0.00
7) Naphthalene-d8	10.573	136	31274	0.400	ng	# 0.00
13) Acenaphthene-d10	14.430	164	19621	0.400	ng	0.00
19) Phenanthrene-d10	17.186	188	29623	0.400	ng	# 0.00
29) Chrysene-d12	21.375	240	19333	0.400	ng	# 0.00
35) Perylene-d12	23.686	264	19622	0.400	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.348	112	6171	0.273	ng	0.00
5) Phenol-d6	6.937	99	4629	0.168	ng	0.00
8) Nitrobenzene-d5	8.928	82	9871	0.391	ng	0.00
11) 2-Methylnaphthalene-d10	12.172	152	15980	0.358	ng	0.00
14) 2,4,6-Tribromophenol	15.932	330	2999	0.371	ng	0.00
15) 2-Fluorobiphenyl	13.051	172	23813	0.303	ng	0.00
27) Fluoranthene-d10	19.220	212	20328	0.272	ng	0.00
31) Terphenyl-d14	19.819	244	19095	0.455	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.246	88	686645	69.340	ng	99
9) Naphthalene	10.626	128	164673	1.912	ng	99
12) 2-Methylnaphthalene	12.248	142	204766	3.565	ng	99
17) Acenaphthene	14.494	154	59416	0.956	ng	97
18) Fluorene	15.489	166	41980	0.515	ng	# 92
25) Phenanthrene	17.223	178	65665	0.698	ng	# 96
26) Anthracene	17.322	178	9502m	0.115	ng	
28) Fluoranthene	19.252	202	5689	0.054	ng	# 68
30) Pyrene	19.615	202	4584	0.053	ng	# 63
34) Bis(2-ethylhexyl)phtha...	21.304	149	14269	0.393	ng	96

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

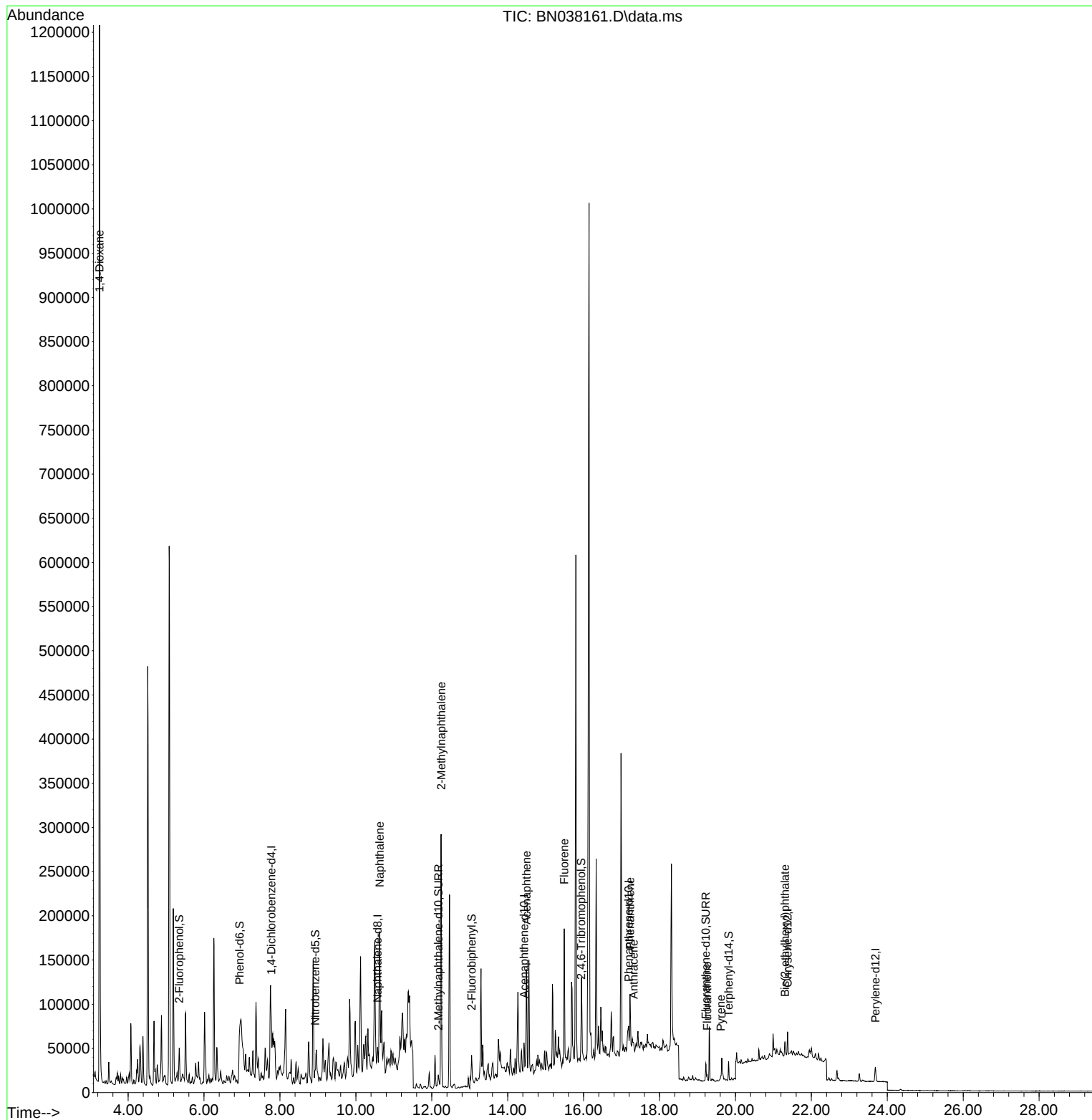
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN110725\
Data File : BN038161.D
Acq On : 07 Nov 2025 19:10
Operator : RC/JU
Sample : Q3552-01
Misc :
ALS Vial : 16 Sample Multiplier: 1

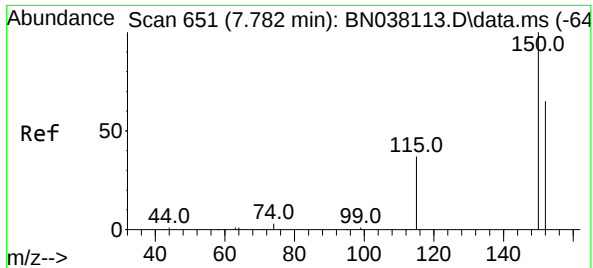
Instrument :
BNA_N
ClientSampleId :
MW-4

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 11/10/2025
Supervised By :Jagrut Upadhyay 11/10/2025

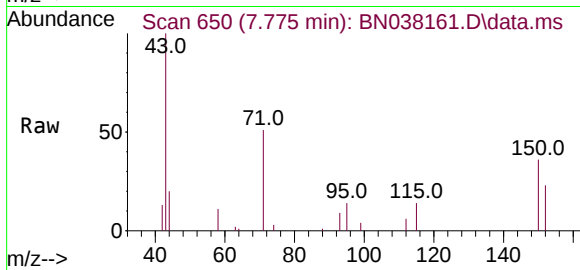
Quant Time: Nov 08 03:05:39 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN102825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Oct 29 13:09:46 2025
Response via : Initial Calibration





#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.775 min Scan# 61
Delta R.T. -0.000 min
Lab File: BN038161.D
Acq: 07 Nov 2025 19:10

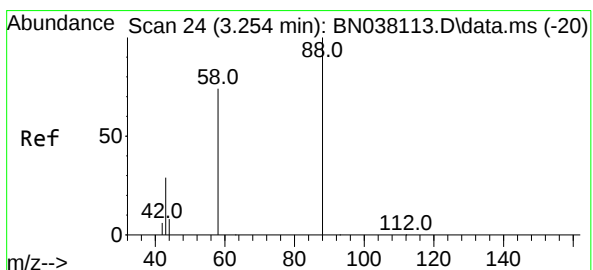
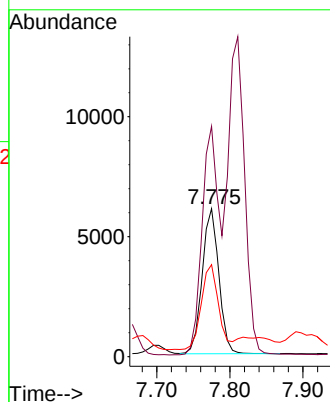
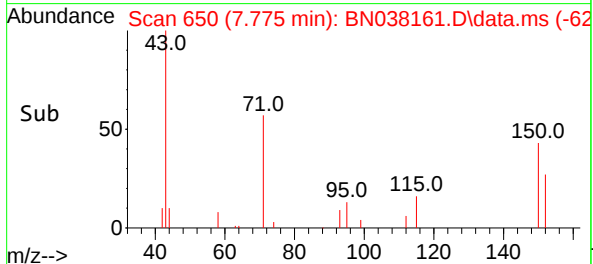
Instrument :
BNA_N
ClientSampleId :
MW-4



Tgt Ion: 152 Resp: 9584
Ion Ratio Lower Upper
152 100
150 155.6 122.3 183.5
115 62.1 47.4 71.0

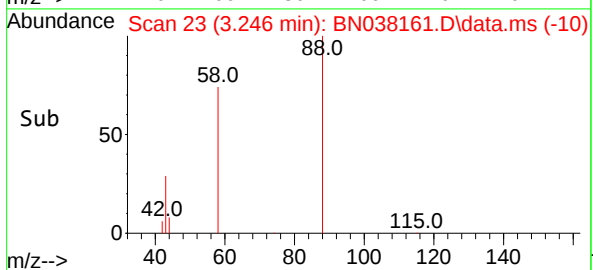
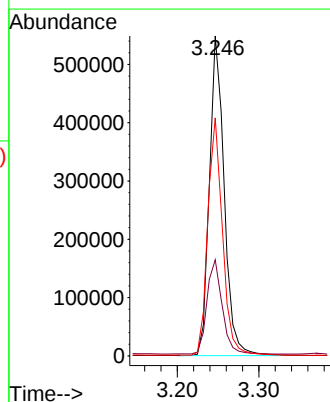
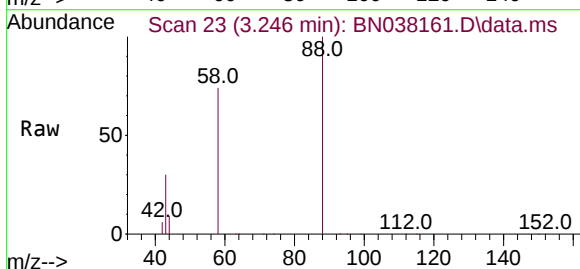
Manual Integrations
APPROVED

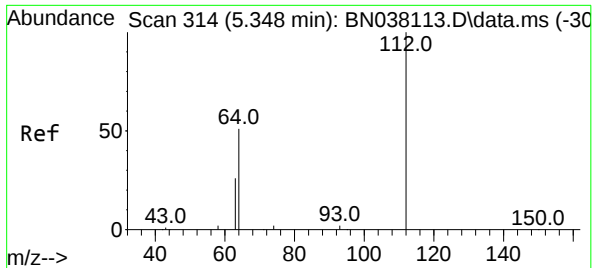
Reviewed By :Rahul Chavli 11/10/2025
Supervised By :Jagrut Upadhyay 11/10/2025



#2
1,4-Dioxane
Concen: 69.340 ng
RT: 3.246 min Scan# 23
Delta R.T. -0.007 min
Lab File: BN038161.D
Acq: 07 Nov 2025 19:10

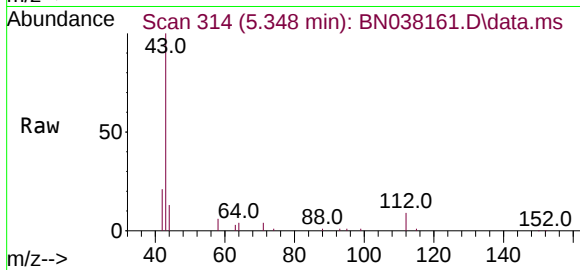
Tgt Ion: 88 Resp: 686645
Ion Ratio Lower Upper
88 100
43 30.4 24.3 36.5
58 74.1 60.4 90.6





#4
2-Fluorophenol
Concen: 0.273 ng
RT: 5.348 min Scan# 314
Delta R.T. -0.000 min
Lab File: BN038161.D
Acq: 07 Nov 2025 19:10

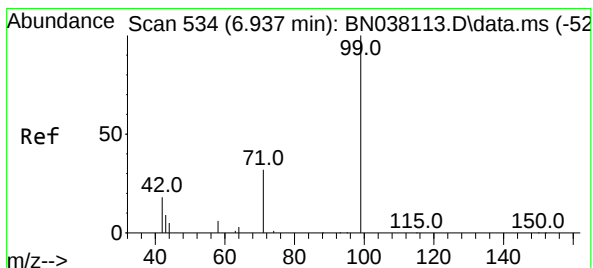
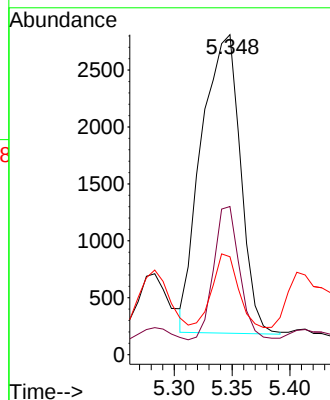
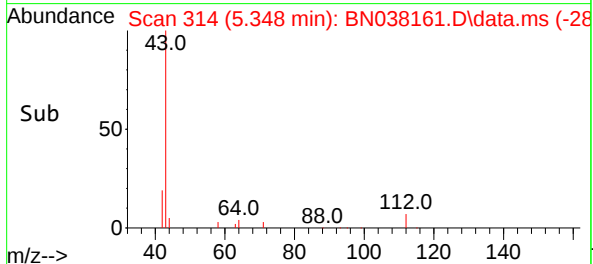
Instrument :
BNA_N
ClientSampleId :
MW-4



Tgt Ion: 112 Resp: 617
Ion Ratio Lower Upper
112 100
64 30.8 45.4 68.0#
63 18.2 23.2 34.8#

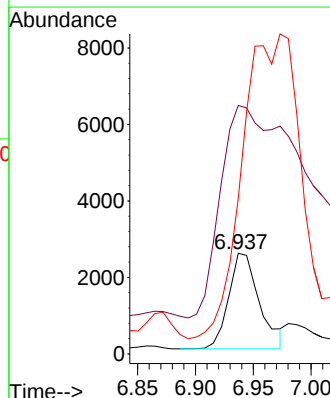
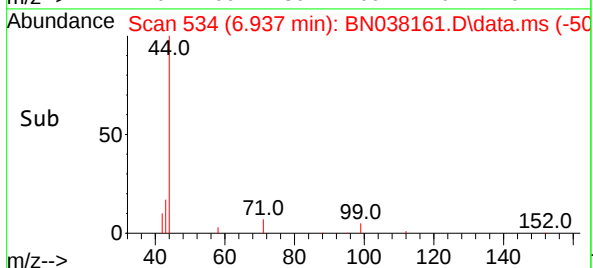
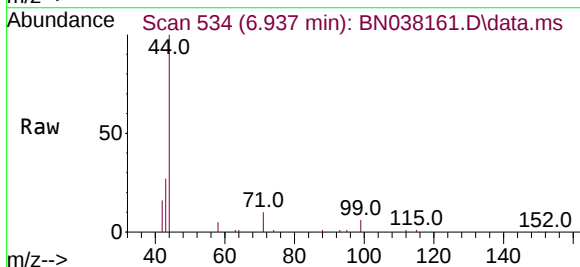
Manual Integrations
APPROVED

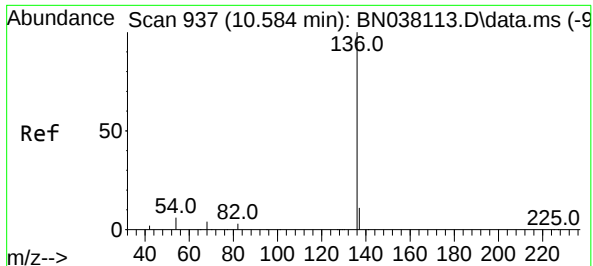
Reviewed By :Rahul Chavli 11/10/2025
Supervised By :Jagrut Upadhyay 11/10/2025



#5
Phenol-d6
Concen: 0.168 ng
RT: 6.937 min Scan# 534
Delta R.T. -0.000 min
Lab File: BN038161.D
Acq: 07 Nov 2025 19:10

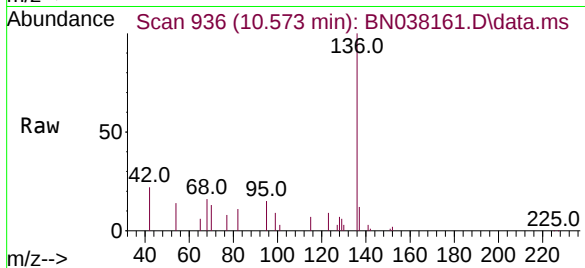
Tgt Ion: 99 Resp: 4629
Ion Ratio Lower Upper
99 100
42 748.7 16.6 24.8#
71 0.0 25.4 38.2#





#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.573 min Scan# 937
Delta R.T. -0.000 min
Lab File: BN038161.D
Acq: 07 Nov 2025 19:10

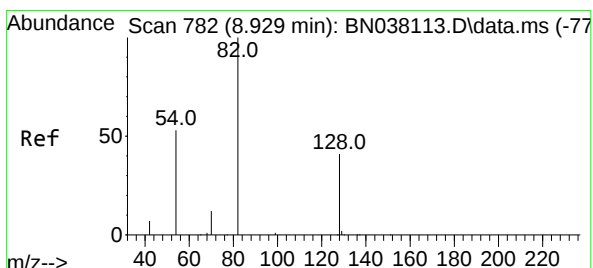
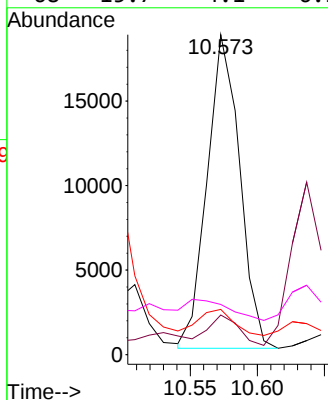
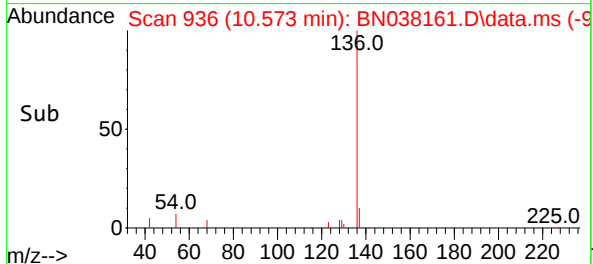
Instrument :
BNA_N
ClientSampleId :
MW-4



Tgt Ion:136 Resp: 31274
Ion Ratio Lower Upper
136 100
137 12.4 9.0 13.4
54 14.1 5.2 7.8
68 15.7 4.1 6.1

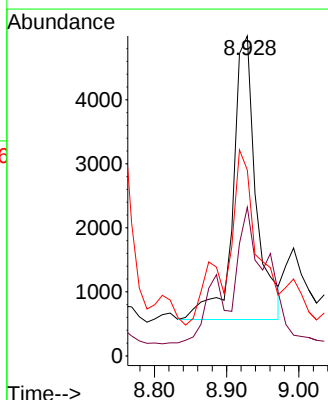
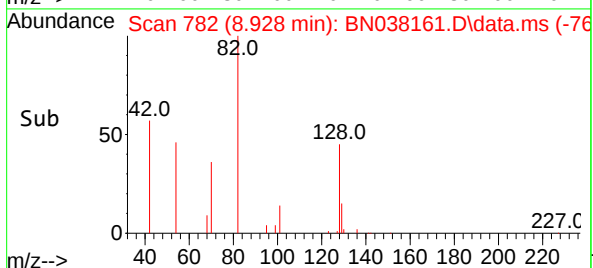
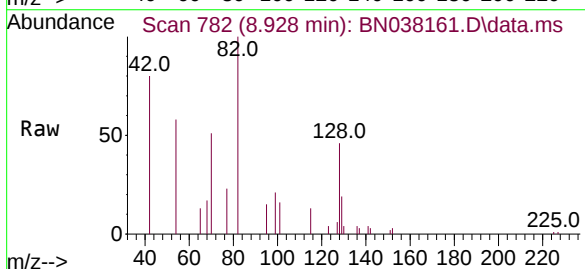
Manual Integrations
APPROVED

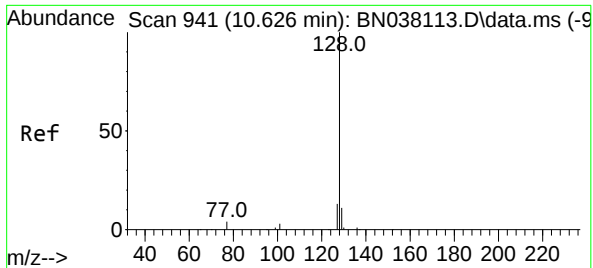
Reviewed By :Rahul Chavli 11/10/2025
Supervised By :Jagrut Upadhyay 11/10/2025



#8
Nitrobenzene-d5
Concen: 0.391 ng
RT: 8.928 min Scan# 782
Delta R.T. -0.000 min
Lab File: BN038161.D
Acq: 07 Nov 2025 19:10

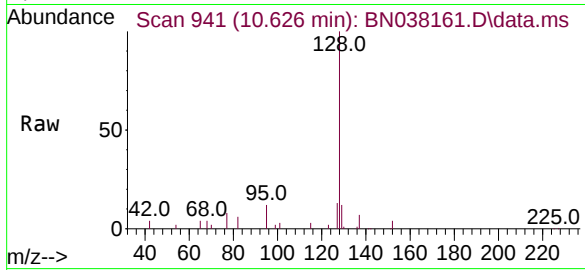
Tgt Ion: 82 Resp: 9871
Ion Ratio Lower Upper
82 100
128 46.5 34.1 51.1
54 58.1 43.5 65.3





#9
Naphthalene
Concen: 1.912 ng
RT: 10.626 min Scan# 941
Delta R.T. -0.000 min
Lab File: BN038161.D
Acq: 07 Nov 2025 19:10

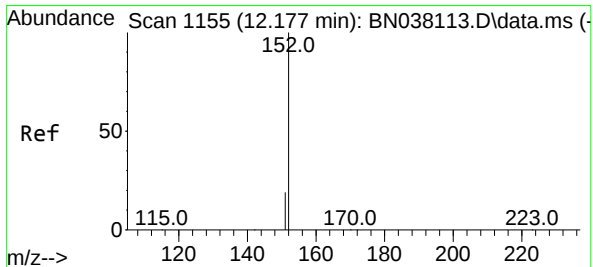
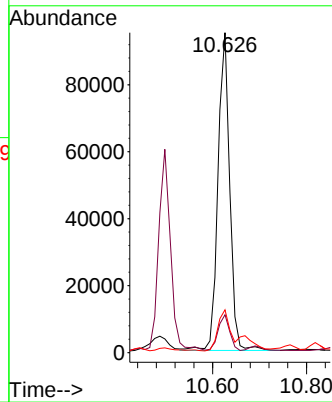
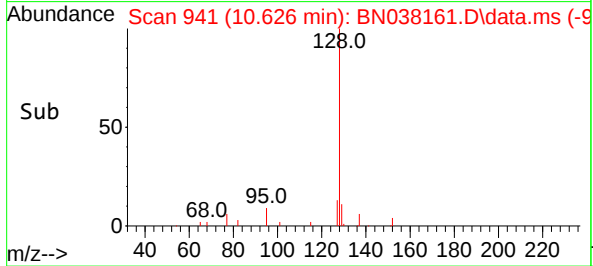
Instrument :
BNA_N
ClientSampleId :
MW-4



Tgt Ion:128 Resp: 164673
Ion Ratio Lower Upper
128 100
129 11.8 9.1 13.7
127 13.4 10.5 15.7

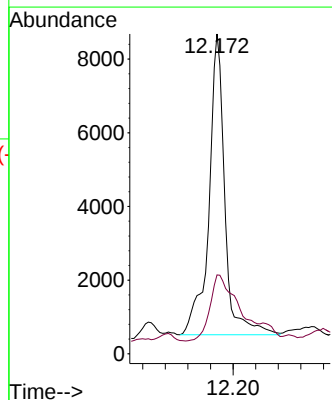
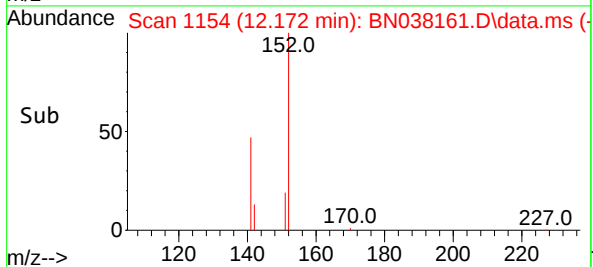
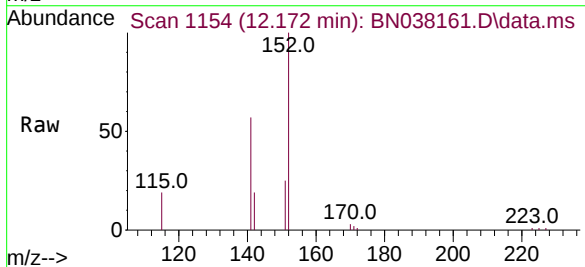
Manual Integrations
APPROVED

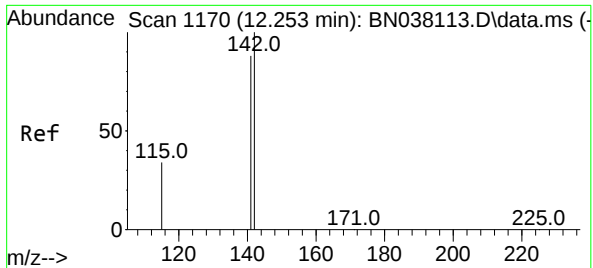
Reviewed By :Rahul Chavli 11/10/2025
Supervised By :Jagrut Upadhyay 11/10/2025



#11
2-Methylnaphthalene-d10
Concen: 0.358 ng
RT: 12.172 min Scan# 1154
Delta R.T. -0.005 min
Lab File: BN038161.D
Acq: 07 Nov 2025 19:10

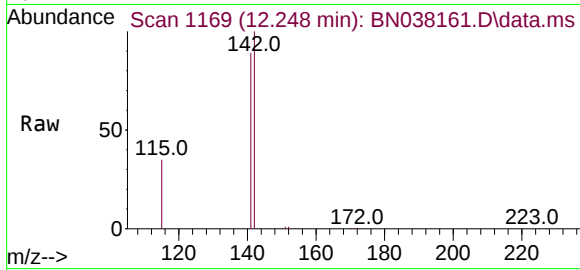
Tgt Ion:152 Resp: 15980
Ion Ratio Lower Upper
152 100
151 39.4 16.8 25.2#





#12
2-Methylnaphthalene
Concen: 3.565 ng
RT: 12.248 min Scan# 1170
Delta R.T. -0.000 min
Lab File: BN038161.D
Acq: 07 Nov 2025 19:10

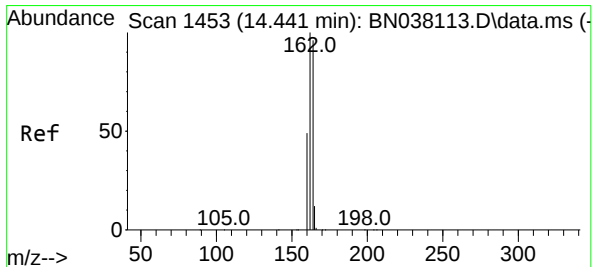
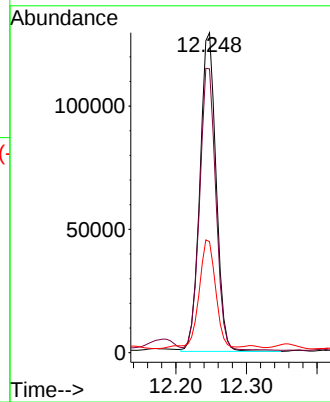
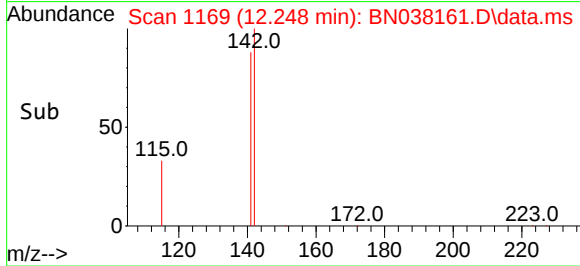
Instrument :
BNA_N
ClientSampleId :
MW-4



Tgt Ion:142 Resp: 204766
Ion Ratio Lower Upper
142 100
141 88.7 70.3 105.5
115 34.7 27.8 41.6

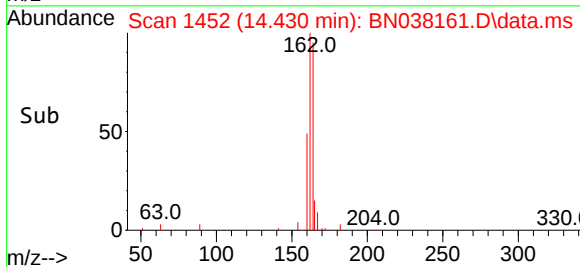
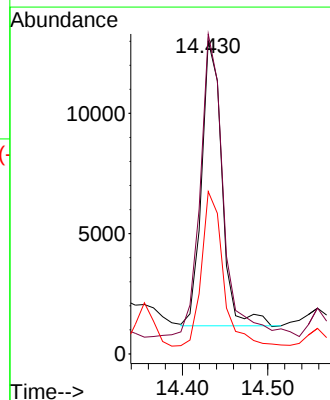
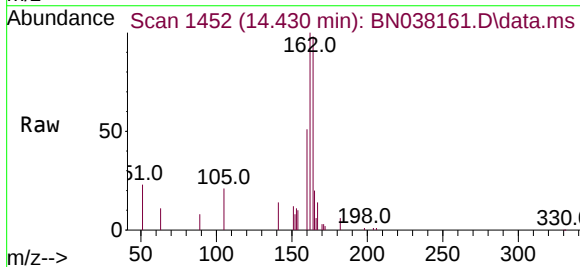
Manual Integrations
APPROVED

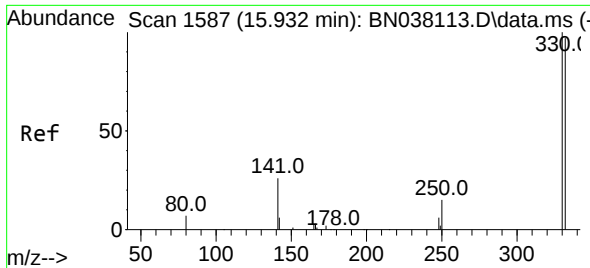
Reviewed By :Rahul Chavli 11/10/2025
Supervised By :Jagrut Upadhyay 11/10/2025



#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.430 min Scan# 1452
Delta R.T. -0.000 min
Lab File: BN038161.D
Acq: 07 Nov 2025 19:10

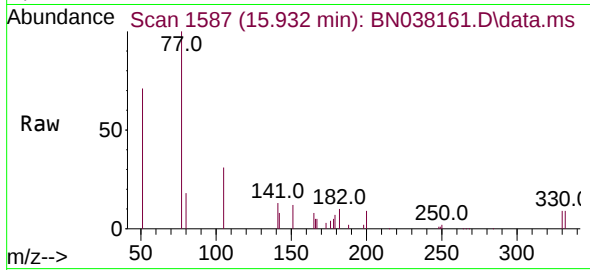
Tgt Ion:164 Resp: 19621
Ion Ratio Lower Upper
164 100
162 102.2 83.0 124.4
160 51.9 40.7 61.1





#14
2,4,6-Tribromophenol
Concen: 0.371 ng
RT: 15.932 min Scan# 11
Delta R.T. -0.000 min
Lab File: BN038161.D
Acq: 07 Nov 2025 19:10

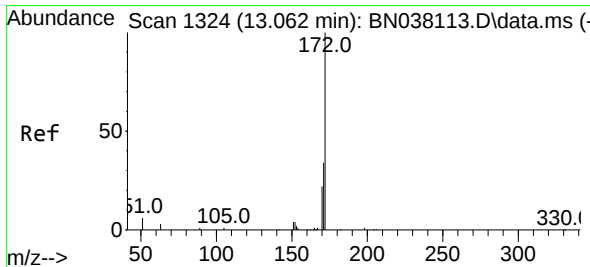
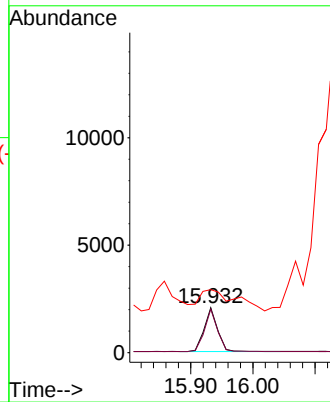
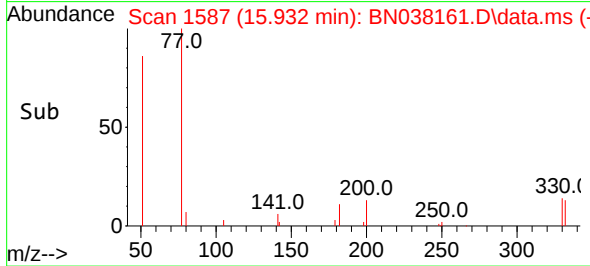
Instrument :
BNA_N
ClientSampleId :
MW-4



Tgt Ion: 330 Resp: 2999
Ion Ratio Lower Upper
330 100
332 95.4 76.6 114.8
141 139.8 34.1 51.1

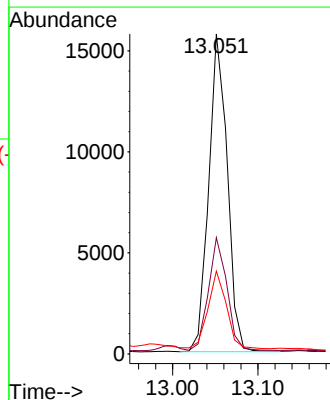
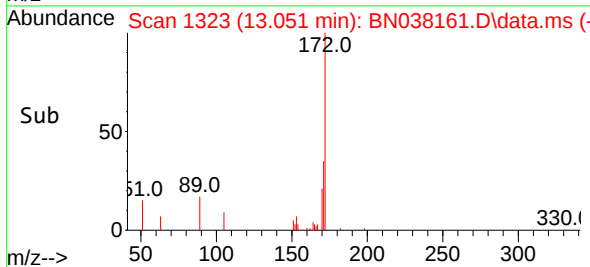
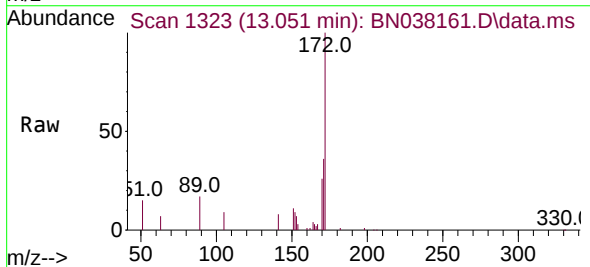
Manual Integrations
APPROVED

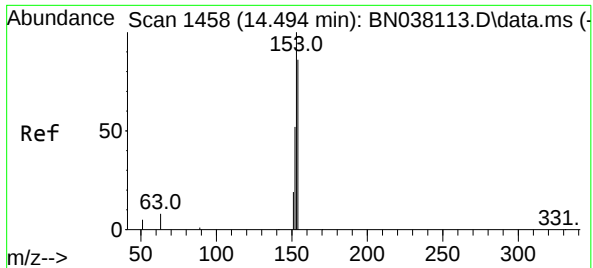
Reviewed By :Rahul Chavli 11/10/2025
Supervised By :Jagrut Upadhyay 11/10/2025



#15
2-Fluorobiphenyl
Concen: 0.303 ng
RT: 13.051 min Scan# 1323
Delta R.T. -0.000 min
Lab File: BN038161.D
Acq: 07 Nov 2025 19:10

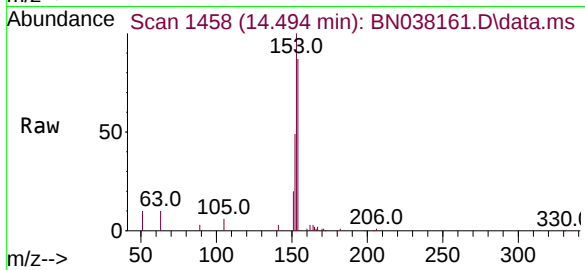
Tgt Ion: 172 Resp: 23813
Ion Ratio Lower Upper
172 100
171 36.3 27.8 41.6
170 25.9 18.1 27.1





#17
Acenaphthene
Concen: 0.956 ng
RT: 14.494 min Scan# 1458
Delta R.T. -0.000 min
Lab File: BN038161.D
Acq: 07 Nov 2025 19:10

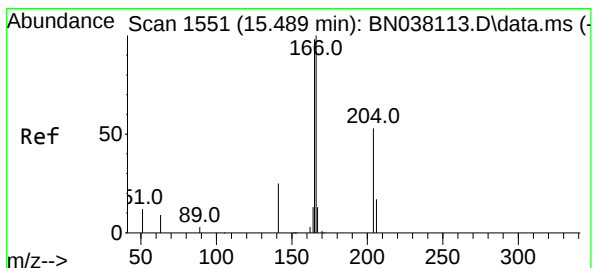
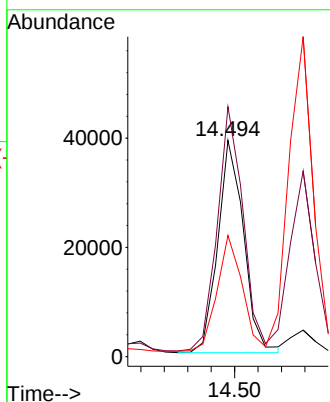
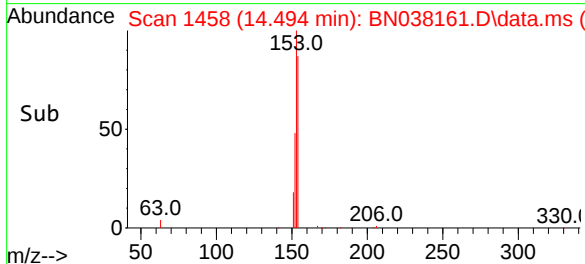
Instrument :
BNA_N
ClientSampleId :
MW-4



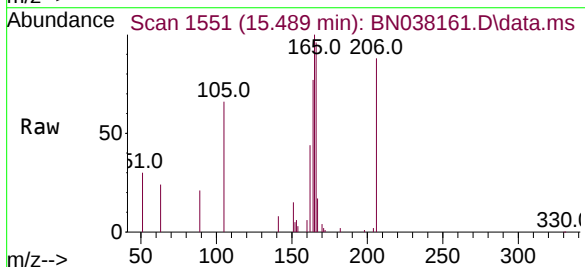
Tgt Ion:154 Resp: 59416
Ion Ratio Lower Upper
154 100
153 114.2 90.0 135.0
152 53.9 47.3 70.9

Manual Integrations
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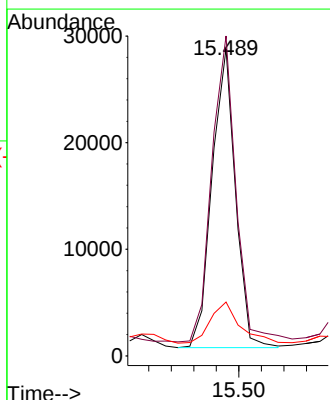
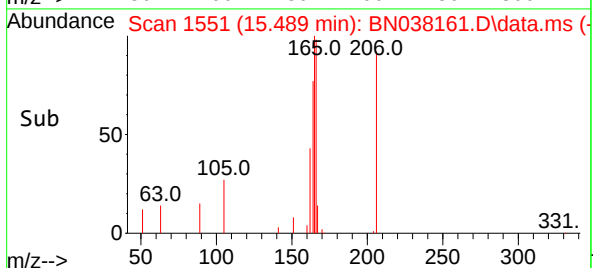
Reviewed By :Rahul Chavli 11/10/2025
Supervised By :Jagrut Upadhyay 11/10/2025

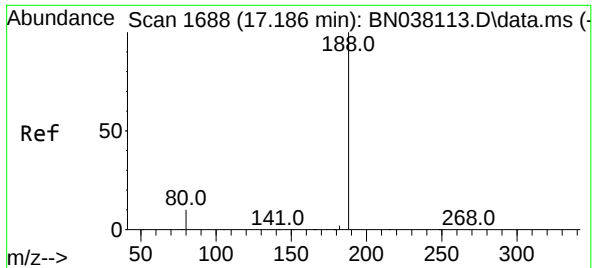


#18
Fluorene
Concen: 0.515 ng
RT: 15.489 min Scan# 1551
Delta R.T. -0.000 min
Lab File: BN038161.D
Acq: 07 Nov 2025 19:10



Tgt Ion:166 Resp: 41980
Ion Ratio Lower Upper
166 100
165 106.4 79.0 118.4
167 17.3 10.7 16.1#





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 17.186 min Scan# 1688

Delta R.T. -0.000 min

Lab File: BN038161.D

Acq: 07 Nov 2025 19:10

Instrument :

BNA_N

ClientSampleId :

MW-4

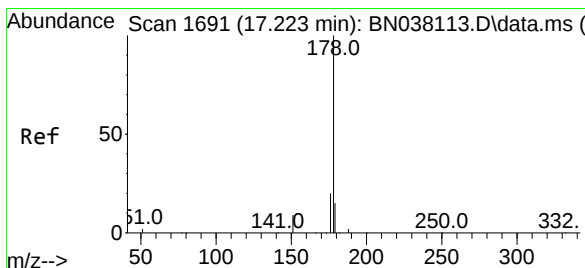
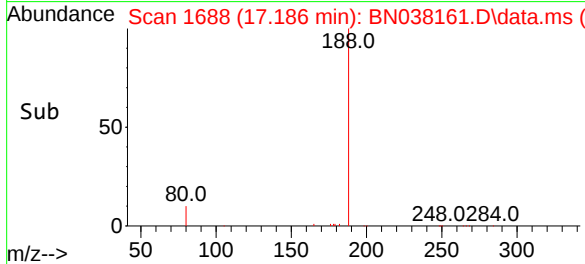
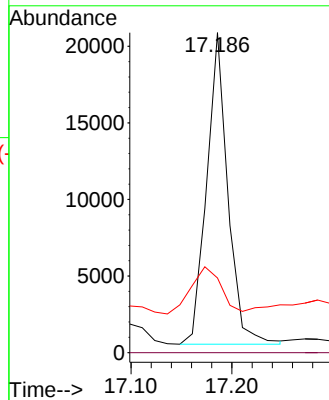
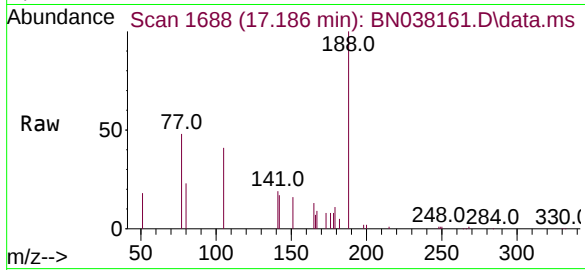
Tgt Ion:	188	Resp:	29623
Ion Ratio	Lower	Upper	
188	100		
94	0.0	0.0	0.0
80	23.3	8.6	13.0

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 11/10/2025

Supervised By :Jagrut Upadhyay 11/10/2025



#25

Phenanthrene

Concen: 0.698 ng

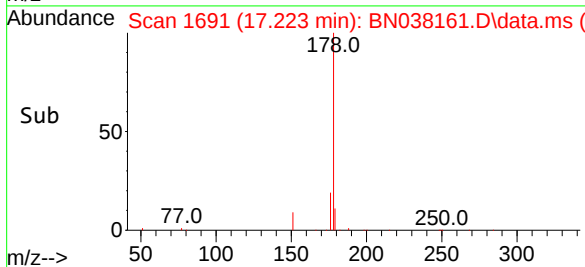
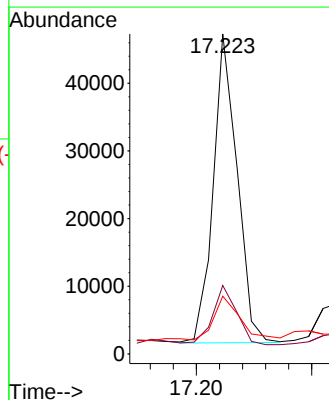
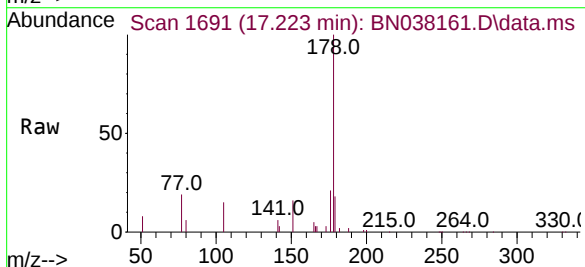
RT: 17.223 min Scan# 1691

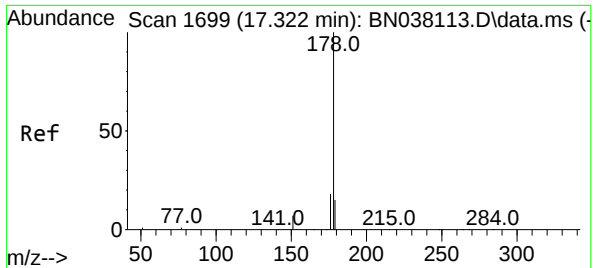
Delta R.T. -0.000 min

Lab File: BN038161.D

Acq: 07 Nov 2025 19:10

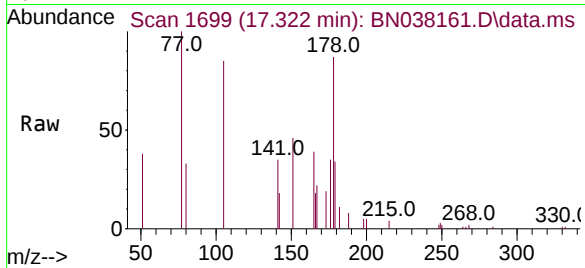
Tgt Ion:	178	Resp:	65665
Ion Ratio	Lower	Upper	
178	100		
176	19.9	15.5	23.3
179	19.0	12.2	18.4





#26
Anthracene
Concen: 0.115 ng m
RT: 17.322 min Scan# 1699
Delta R.T. -0.000 min
Lab File: BN038161.D
Acq: 07 Nov 2025 19:10

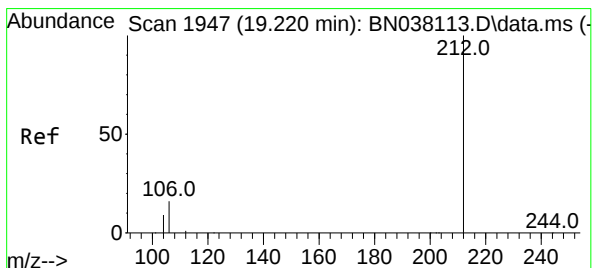
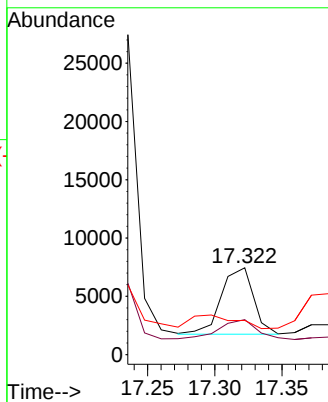
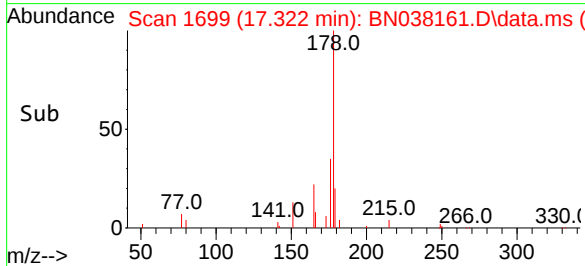
Instrument :
BNA_N
ClientSampleId :
MW-4



Tgt Ion:178 Resp: 9502
Ion Ratio Lower Upper
178 100
176 132.8 14.9 22.3#
179 116.8 11.8 17.8#

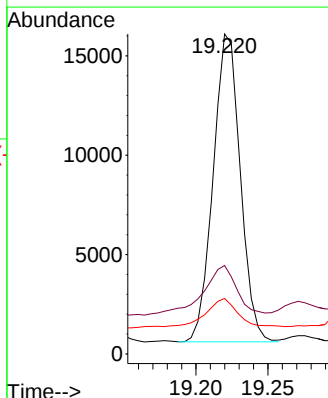
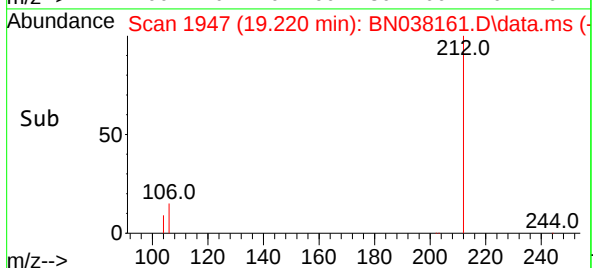
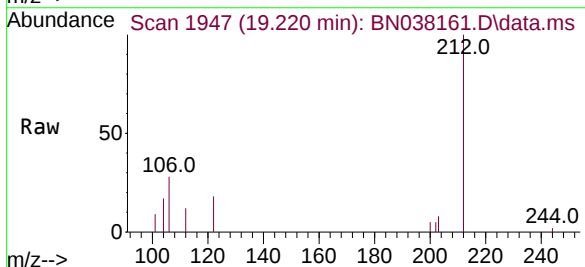
Manual Integrations
APPROVED

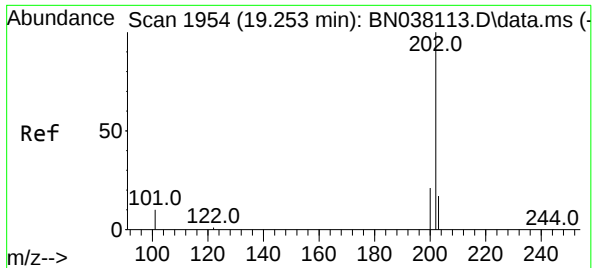
Reviewed By :Rahul Chavli 11/10/2025
Supervised By :Jagrut Upadhyay 11/10/2025



#27
Fluoranthene-d10
Concen: 0.272 ng
RT: 19.220 min Scan# 1947
Delta R.T. -0.000 min
Lab File: BN038161.D
Acq: 07 Nov 2025 19:10

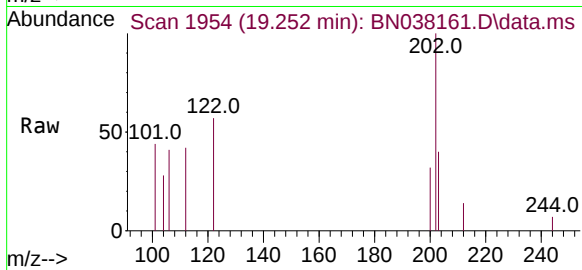
Tgt Ion:212 Resp: 20328
Ion Ratio Lower Upper
212 100
106 20.5 12.6 19.0#
104 15.2 7.1 10.7#





#28
Fluoranthene
Concen: 0.054 ng
RT: 19.252 min Scan# 1954
Delta R.T. -0.000 min
Lab File: BN038161.D
Acq: 07 Nov 2025 19:10

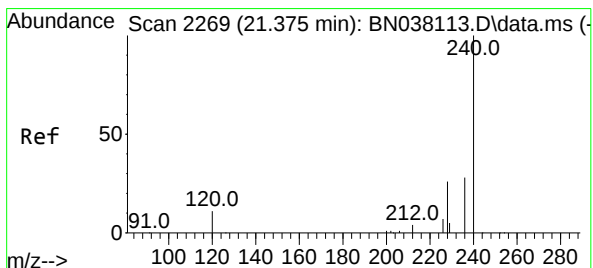
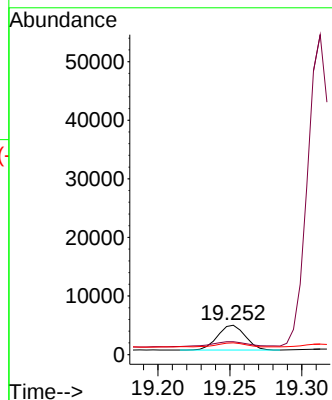
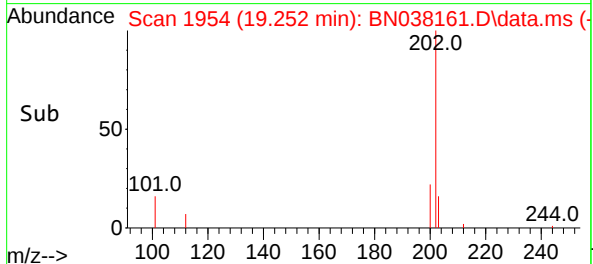
Instrument :
BNA_N
ClientSampleId :
MW-4



Tgt Ion:202 Resp: 5689
Ion Ratio Lower Upper
202 100
101 36.4 9.4 14.2
203 20.9 13.4 20.2

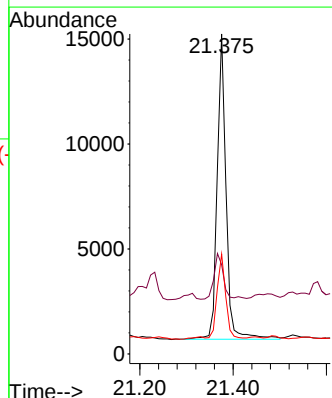
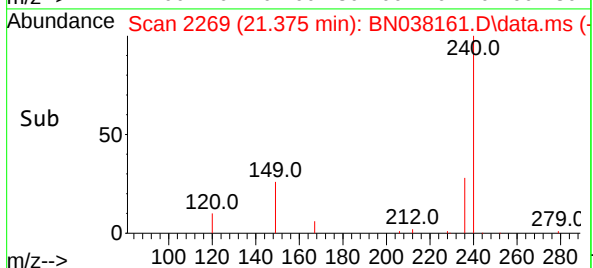
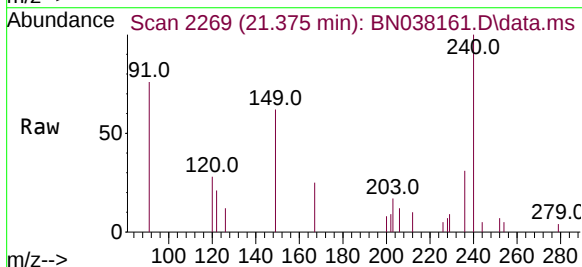
Manual Integrations
APPROVED

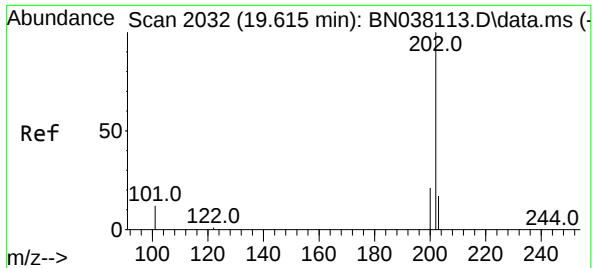
Reviewed By :Rahul Chavli 11/10/2025
Supervised By :Jagrut Upadhyay 11/10/2025



#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.375 min Scan# 2269
Delta R.T. -0.000 min
Lab File: BN038161.D
Acq: 07 Nov 2025 19:10

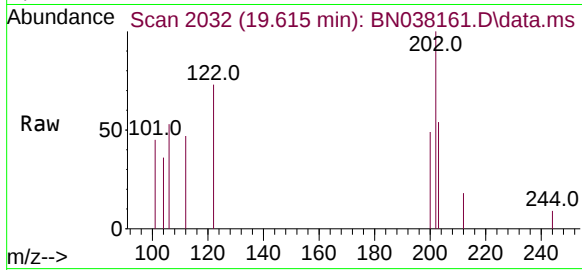
Tgt Ion:240 Resp: 19333
Ion Ratio Lower Upper
240 100
120 27.9 10.7 16.1
236 31.2 23.1 34.7





#30
Pyrene
Concen: 0.053 ng
RT: 19.615 min Scan# 2032
Delta R.T. 0.005 min
Lab File: BN038161.D
Acq: 07 Nov 2025 19:10

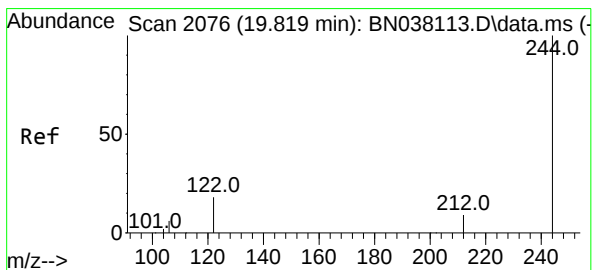
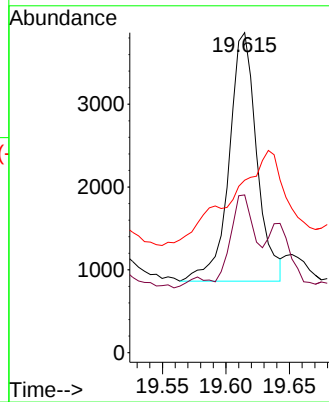
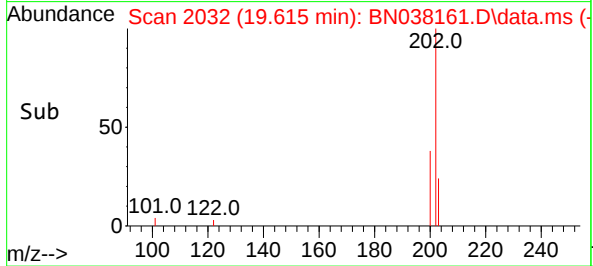
Instrument :
BNA_N
ClientSampleId :
MW-4



Tgt Ion:202 Resp: 4584
Ion Ratio Lower Upper
202 100
200 37.2 16.7 25.1#
203 0.0 14.2 21.2#

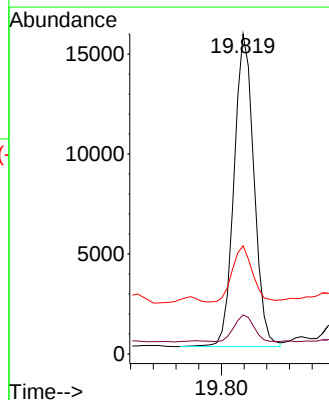
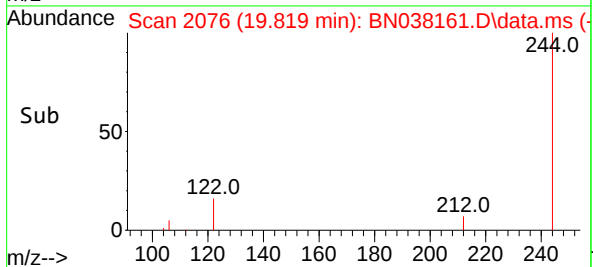
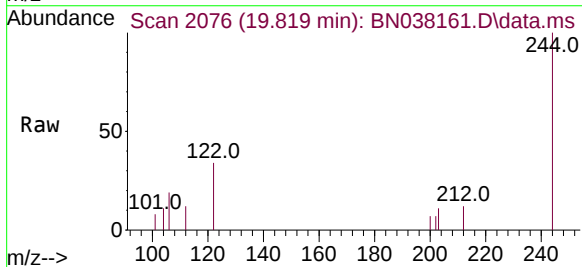
Manual Integrations
APPROVED

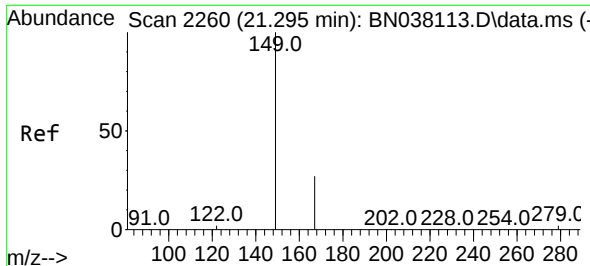
Reviewed By :Rahul Chavli 11/10/2025
Supervised By :Jagrut Upadhyay 11/10/2025



#31
Terphenyl-d14
Concen: 0.455 ng
RT: 19.819 min Scan# 2076
Delta R.T. -0.000 min
Lab File: BN038161.D
Acq: 07 Nov 2025 19:10

Tgt Ion:244 Resp: 19095
Ion Ratio Lower Upper
244 100
212 12.2 7.8 11.6#
122 33.8 15.2 22.8#





#34

Bis(2-ethylhexyl)phthalate

Concen: 0.393 ng

RT: 21.304 min Scan# 21

Delta R.T. 0.009 min

Lab File: BN038161.D

Acq: 07 Nov 2025 19:10

Instrument :

BNA_N

ClientSampleId :

MW-4

Tgt Ion:149 Resp: 14269

Ion Ratio Lower Upper

149 100

167 24.1 21.1 31.7

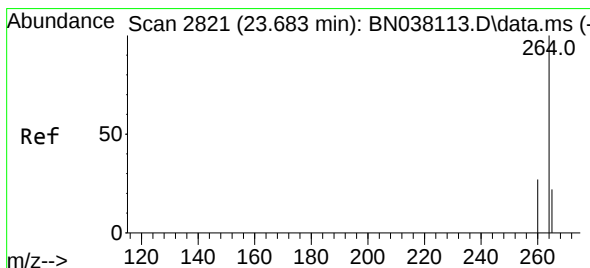
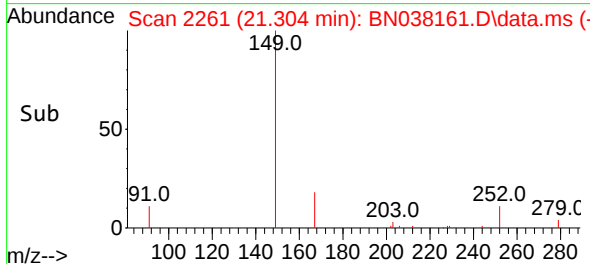
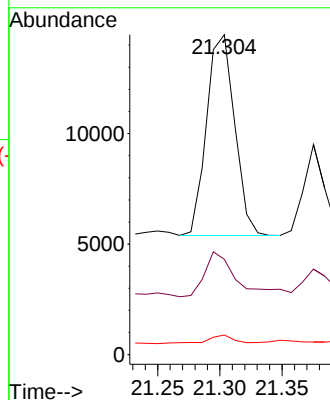
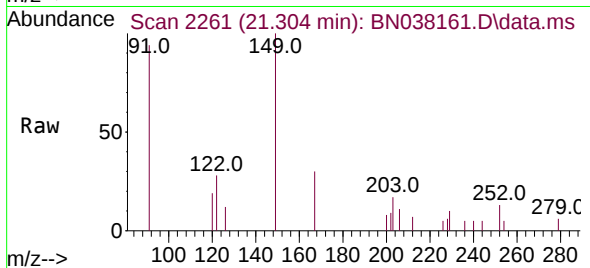
279 3.9 2.9 4.3

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 11/10/2025

Supervised By :Jagrut Upadhyay 11/10/2025



#35

Perylene-d12

Concen: 0.400 ng

RT: 23.686 min Scan# 2822

Delta R.T. 0.006 min

Lab File: BN038161.D

Acq: 07 Nov 2025 19:10

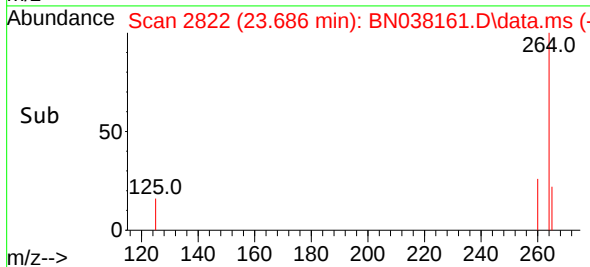
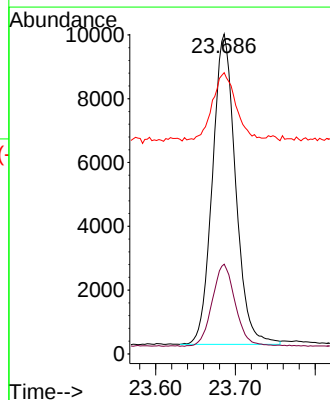
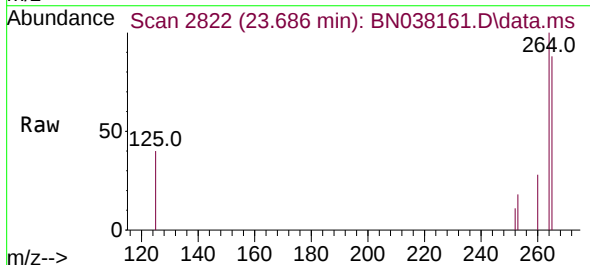
Tgt Ion:264 Resp: 19622

Ion Ratio Lower Upper

264 100

260 28.0 21.8 32.8

265 87.9 68.6 102.8



Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN111025\
 Data File : BN038177.D
 Acq On : 10 Nov 2025 12:02
 Operator : RC/JU
 Sample : Q3552-01DL 40X
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 MW-4DL

A
B
C
D
E
F
G
H
I
J
K

Quant Time: Nov 10 12:27:41 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN102825.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Oct 29 13:09:46 2025
 Response via : Initial Calibration

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

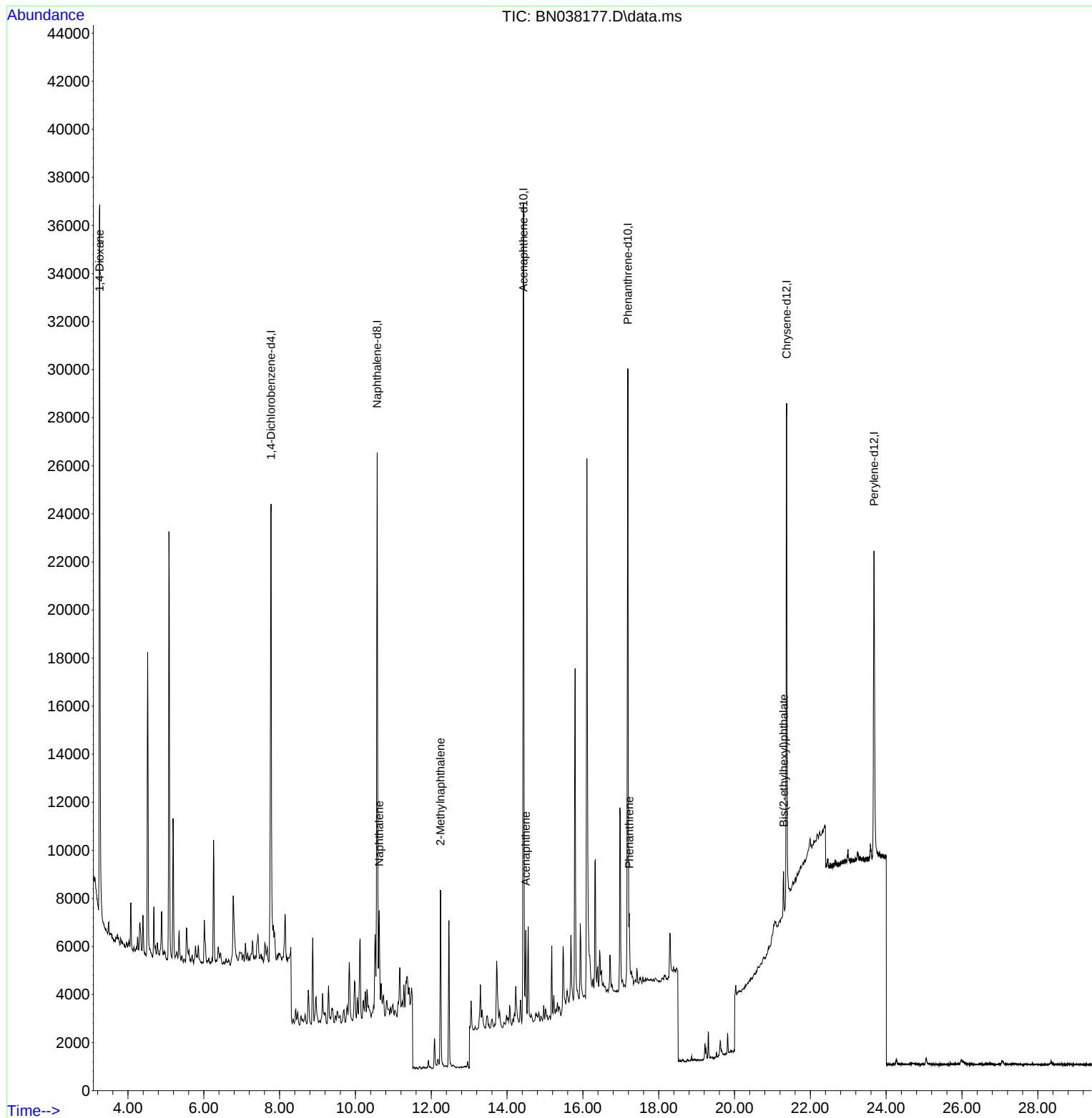
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.775	152	9410	0.400	ng	0.00
7) Naphthalene-d8	10.573	136	31248	0.400	ng	# 0.00
13) Acenaphthene-d10	14.430	164	19363	0.400	ng	0.00
19) Phenanthrene-d10	17.186	188	36917	0.400	ng	0.00
29) Chrysene-d12	21.375	240	22577	0.400	ng	0.00
35) Perylene-d12	23.680	264	19722	0.400	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.341	112	215	0.010	ng	0.00
5) Phenol-d6	6.944	99	147	0.005	ng	0.00
8) Nitrobenzene-d5	8.929	82	343	0.014	ng	0.00
11) 2-Methylnaphthalene-d10	12.172	152	388	0.009	ng	0.00
14) 2,4,6-Tribromophenol	15.932	330	102	0.013	ng	0.00
15) 2-Fluorobiphenyl	13.051	172	1132	0.015	ng	0.00
27) Fluoranthene-d10	19.220	212	780	0.008	ng	0.00
31) Terphenyl-d14	19.819	244	867	0.018	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.254	88	20812	2.141	ng	99
9) Naphthalene	10.626	128	4596	0.053	ng	# 92
12) 2-Methylnaphthalene	12.243	142	5608	0.098	ng	95
17) Acenaphthene	14.494	154	1832	0.030	ng	98
25) Phenanthrene	17.223	178	2511	0.021	ng	# 92
34) Bis(2-ethylhexyl)phtha...	21.295	149	2134	0.050	ng	91

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

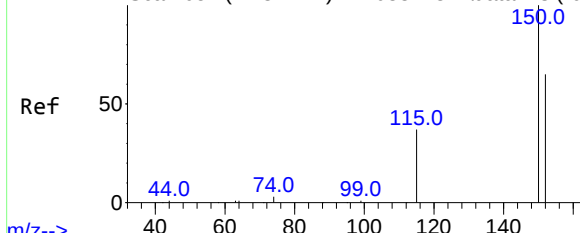
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN111025\
Data File : BN038177.D
Acq On : 10 Nov 2025 12:02
Operator : RC/JU
Sample : Q3552-01DL 40X
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
MW-4DL

Quant Time: Nov 10 12:27:41 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN102825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Oct 29 13:09:46 2025
Response via : Initial Calibration



Abundance Scan 651 (7.782 min): BN038113.D\data.ms (-64



#1

1,4-Dichlorobenzene-d4

Concen: 0.400 ng

RT: 7.775 min Scan# 61

Delta R.T. -0.000 min

Lab File: BN038177.D

Acq: 10 Nov 2025 12:02

Instrument :

BNA_N

ClientSampleId :

MW-4DL

Tgt Ion:152 Resp: 9410

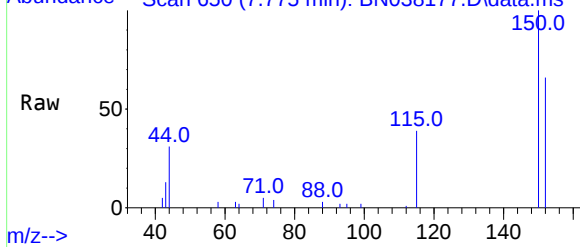
Ion Ratio Lower Upper

152 100

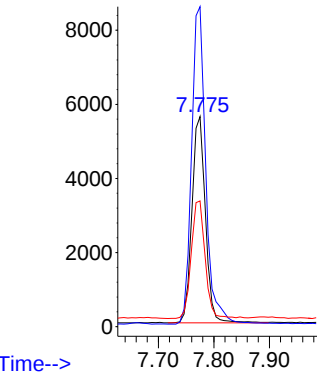
150 152.3 122.3 183.5

115 59.8 47.4 71.0

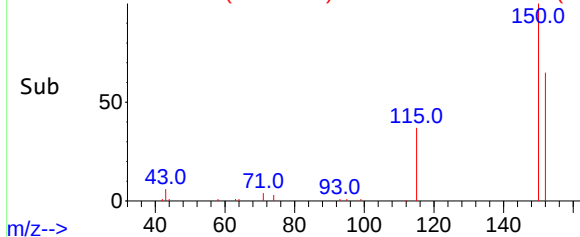
Abundance Scan 650 (7.775 min): BN038177.D\data.ms



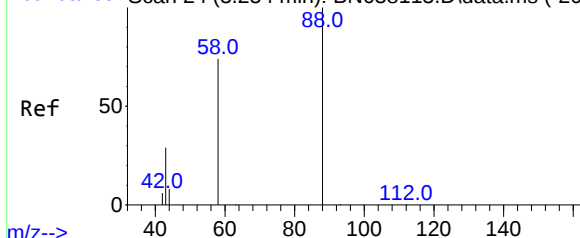
Abundance



Abundance Scan 650 (7.775 min): BN038177.D\data.ms (-62



Abundance Scan 24 (3.254 min): BN038113.D\data.ms (-20)



#2

1,4-Dioxane

Concen: 2.141 ng

RT: 3.254 min Scan# 24

Delta R.T. -0.000 min

Lab File: BN038177.D

Acq: 10 Nov 2025 12:02

Tgt Ion: 88 Resp: 20812

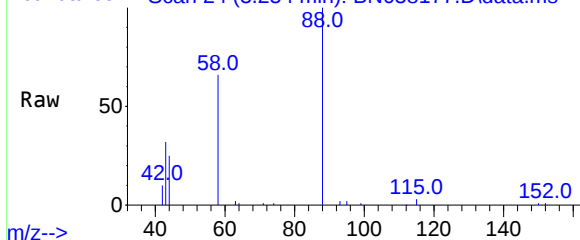
Ion Ratio Lower Upper

88 100

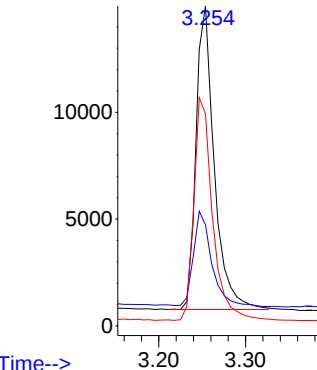
43 31.6 24.3 36.5

58 74.6 60.4 90.6

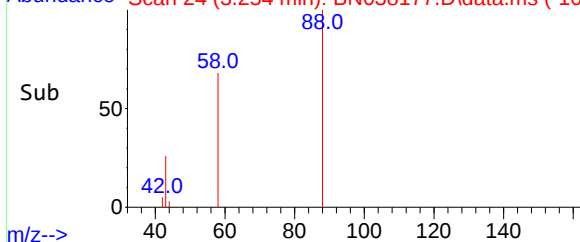
Abundance Scan 24 (3.254 min): BN038177.D\data.ms

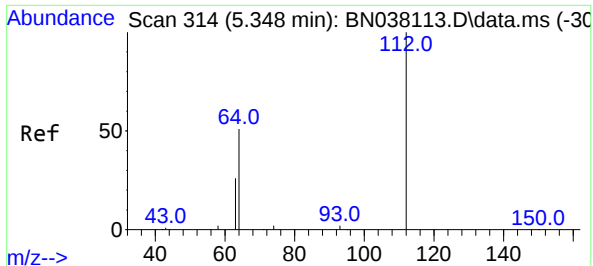


Abundance



Abundance Scan 24 (3.254 min): BN038177.D\data.ms (-10)





#4

2-Fluorophenol

Concen: 0.010 ng

RT: 5.341 min Scan# 31

Delta R.T. -0.007 min

Lab File: BN038177.D

Acq: 10 Nov 2025 12:02

Instrument :

BNA_N

ClientSampleId :

MW-4DL

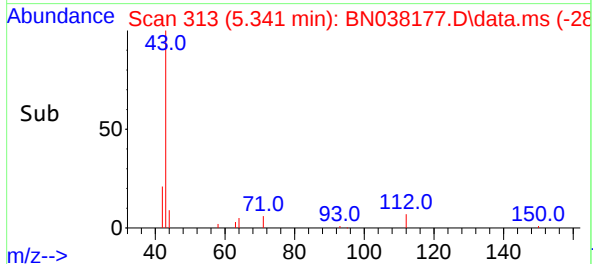
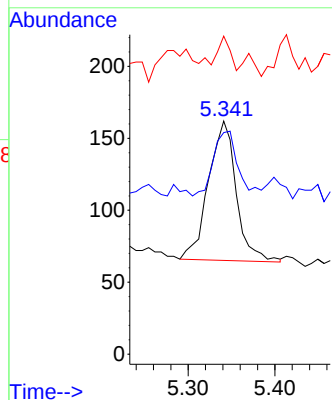
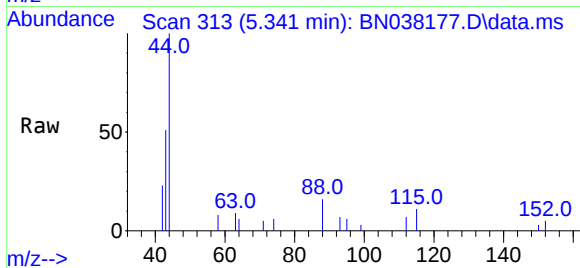
Tgt Ion:112 Resp: 215

Ion Ratio Lower Upper

112 100

64 45.1 45.4 68.0#

63 16.3 23.2 34.8#



#5

Phenol-d6

Concen: 0.005 ng

RT: 6.944 min Scan# 535

Delta R.T. 0.007 min

Lab File: BN038177.D

Acq: 10 Nov 2025 12:02

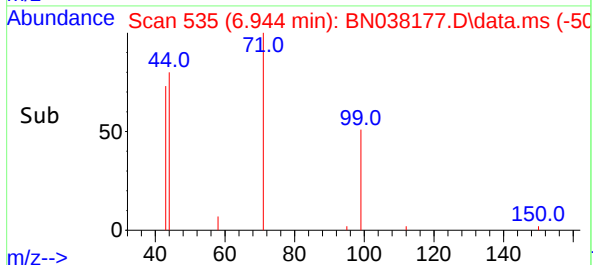
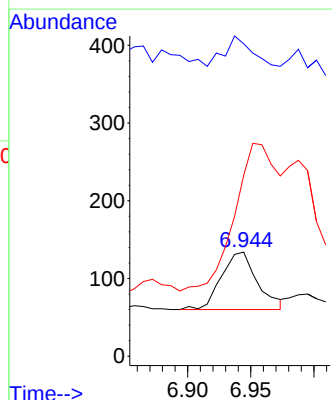
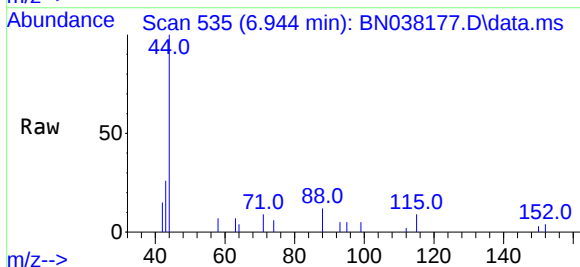
Tgt Ion: 99 Resp: 147

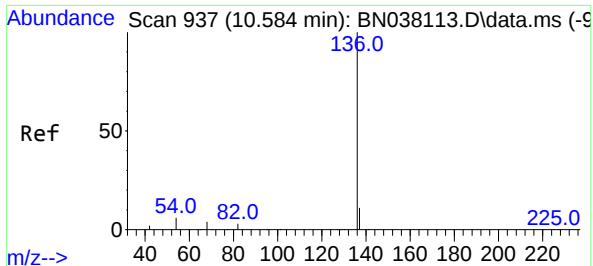
Ion Ratio Lower Upper

99 100

42 44.2 16.6 24.8#

71 306.1 25.4 38.2#



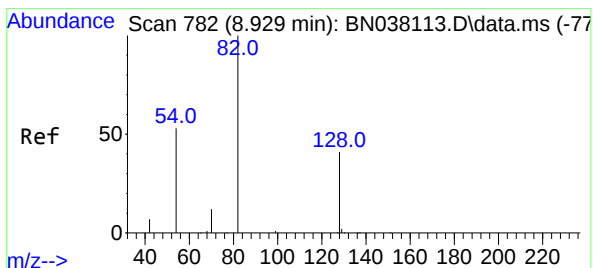
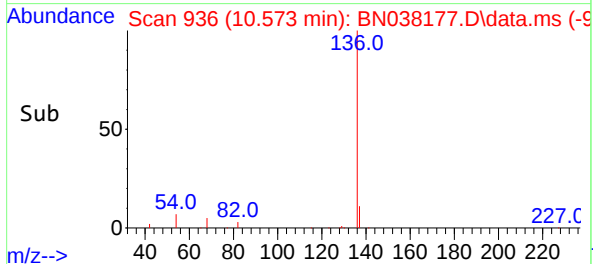
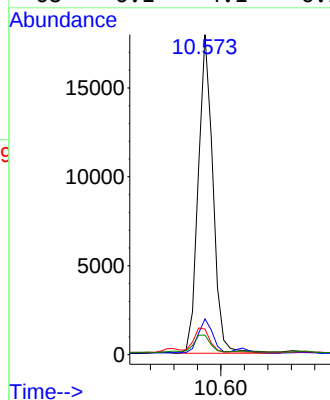
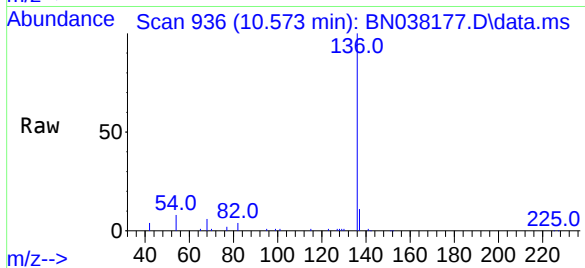


#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.573 min Scan# 91
Delta R.T. -0.000 min
Lab File: BN038177.D
Acq: 10 Nov 2025 12:02

Instrument :
BNA_N
ClientSampleId :
MW-4DL

Tgt Ion:136 Resp: 31248

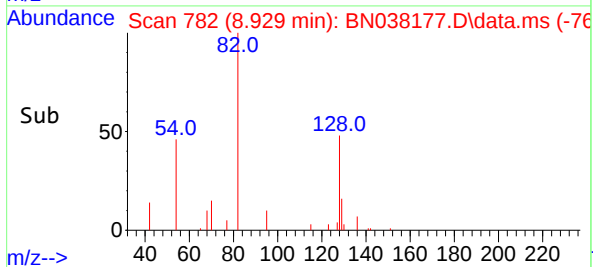
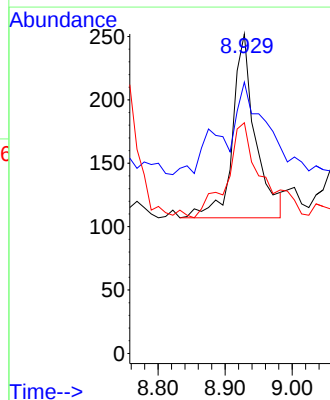
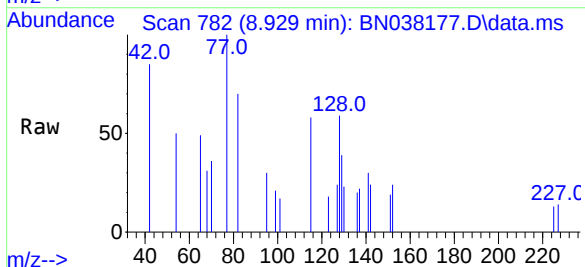
Ion	Ratio	Lower	Upper
136	100		
137	11.1	9.0	13.4
54	8.0	5.2	7.8#
68	6.1	4.1	6.1

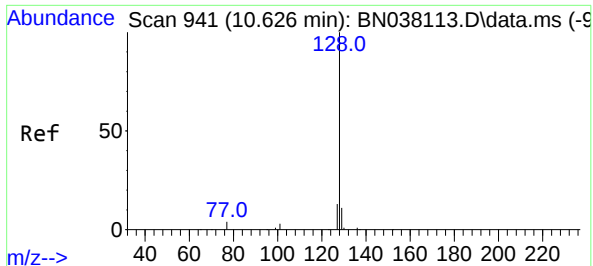


#8
Nitrobenzene-d5
Concen: 0.014 ng
RT: 8.929 min Scan# 782
Delta R.T. -0.000 min
Lab File: BN038177.D
Acq: 10 Nov 2025 12:02

Tgt Ion: 82 Resp: 343

Ion	Ratio	Lower	Upper
82	100		
128	84.9	34.1	51.1#
54	72.2	43.5	65.3#

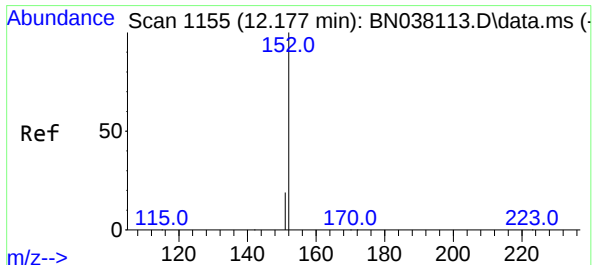
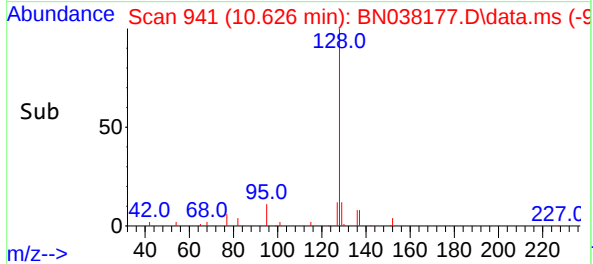
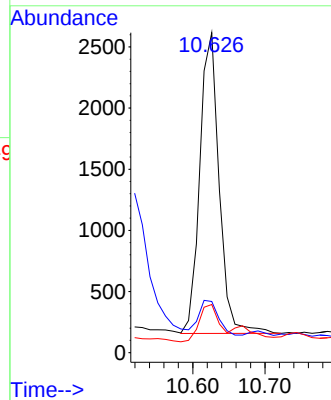
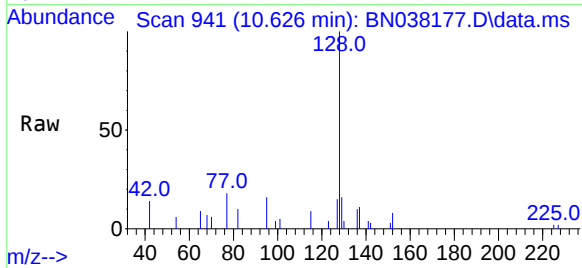




#9
Naphthalene
Concen: 0.053 ng
RT: 10.626 min Scan# 941
Delta R.T. -0.000 min
Lab File: BN038177.D
Acq: 10 Nov 2025 12:02

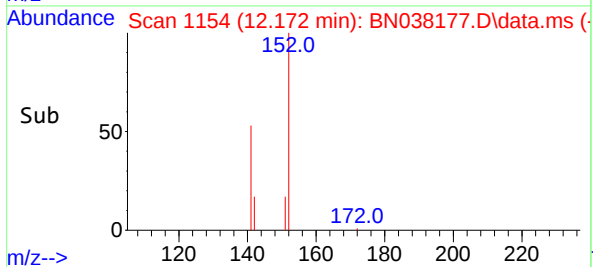
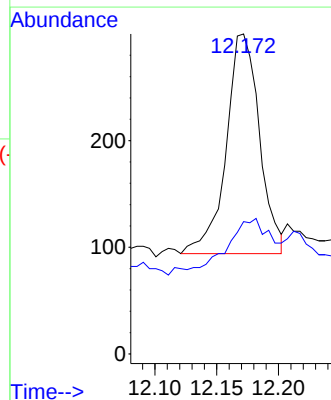
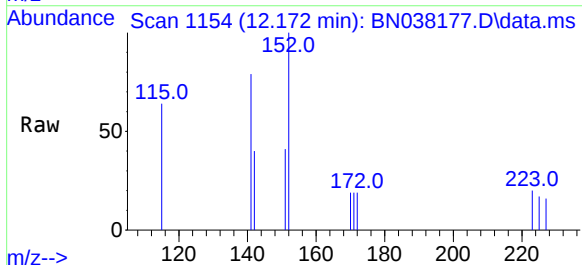
Instrument :
BNA_N
ClientSampleId :
MW-4DL

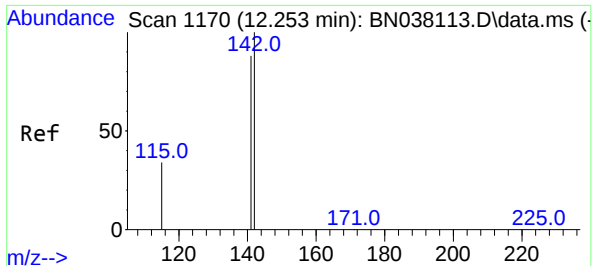
Tgt Ion:128 Resp: 4596
Ion Ratio Lower Upper
128 100
129 16.0 9.1 13.7#
127 15.0 10.5 15.7



#11
2-Methylnaphthalene-d10
Concen: 0.009 ng
RT: 12.172 min Scan# 1154
Delta R.T. -0.005 min
Lab File: BN038177.D
Acq: 10 Nov 2025 12:02

Tgt Ion:152 Resp: 388
Ion Ratio Lower Upper
152 100
151 29.1 16.8 25.2#

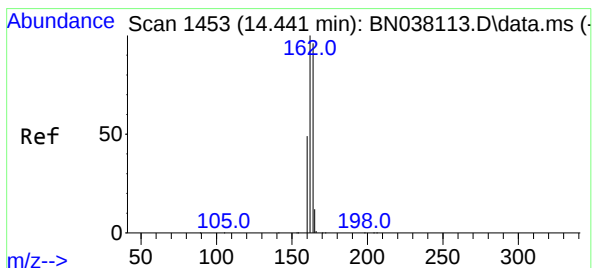
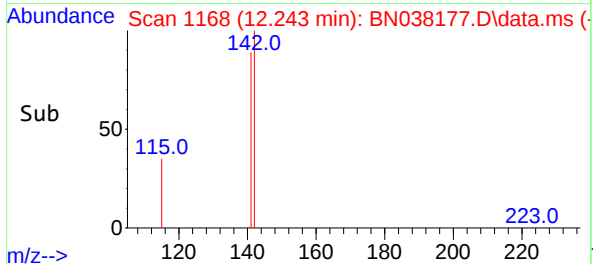
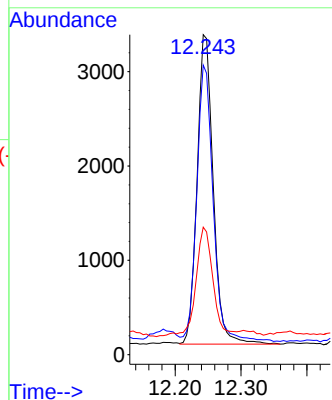
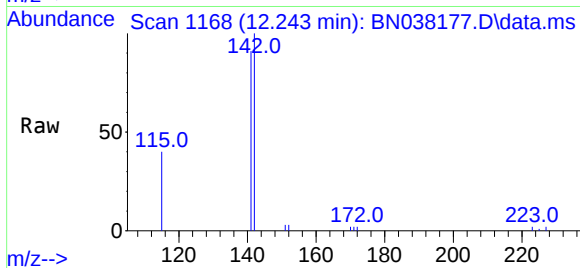




#12
2-Methylnaphthalene
Concen: 0.098 ng
RT: 12.243 min Scan# 1170
Delta R.T. -0.005 min
Lab File: BN038177.D
Acq: 10 Nov 2025 12:02

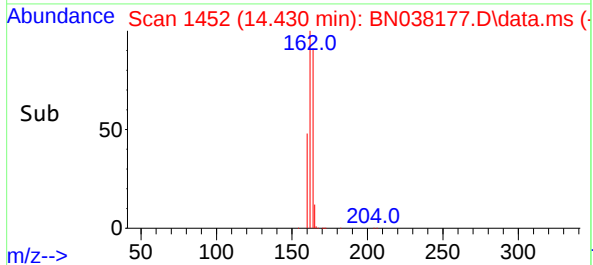
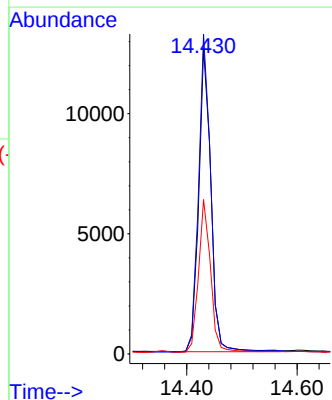
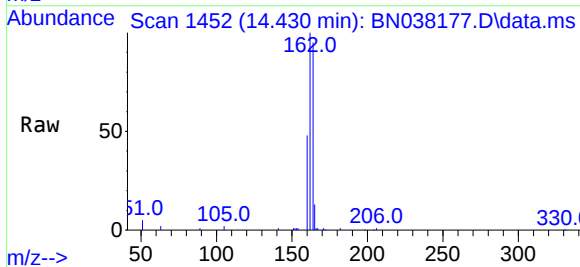
Instrument :
BNA_N
ClientSampleId :
MW-4DL

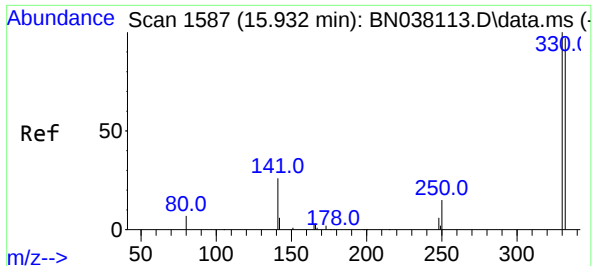
Tgt Ion:142 Resp: 5608
Ion Ratio Lower Upper
142 100
141 90.5 70.3 105.5
115 39.9 27.8 41.6



#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.430 min Scan# 1452
Delta R.T. -0.000 min
Lab File: BN038177.D
Acq: 10 Nov 2025 12:02

Tgt Ion:164 Resp: 19363
Ion Ratio Lower Upper
164 100
162 104.7 83.0 124.4
160 50.5 40.7 61.1

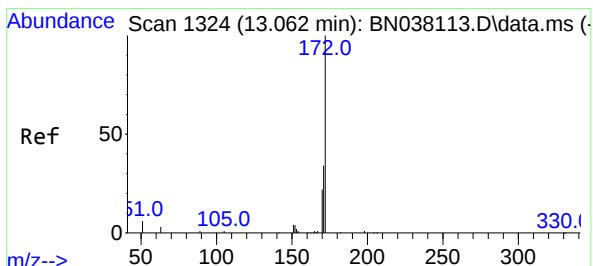
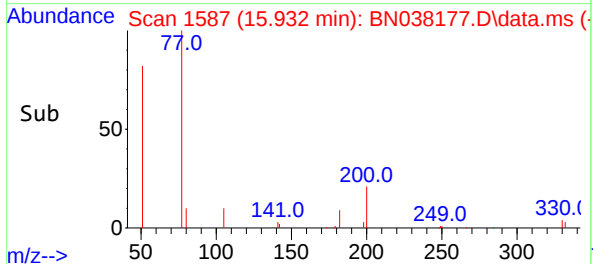
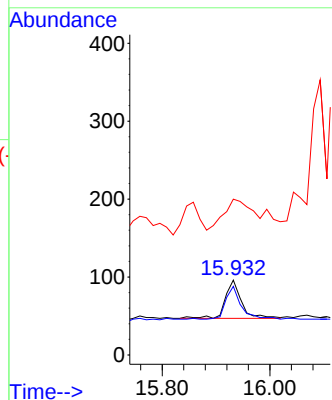
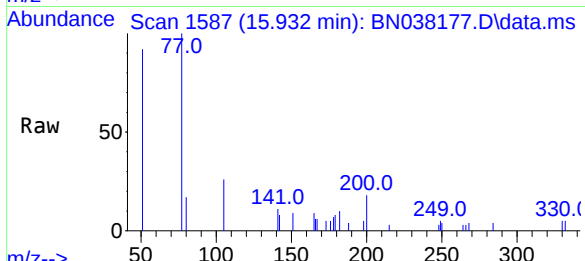




#14
2,4,6-Tribromophenol
Concen: 0.013 ng
RT: 15.932 min Scan# 11
Delta R.T. 0.000 min
Lab File: BN038177.D
Acq: 10 Nov 2025 12:02

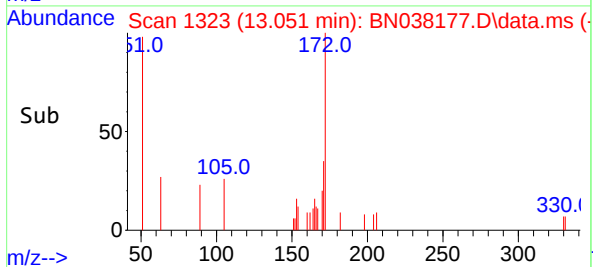
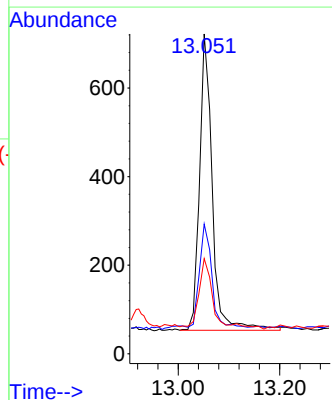
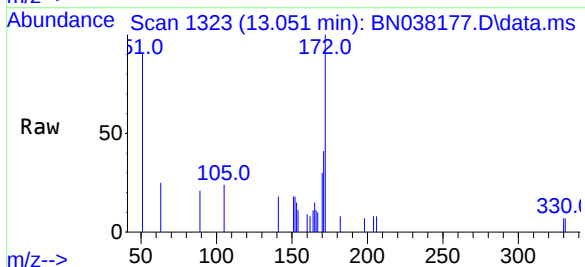
Instrument :
BNA_N
ClientSampleId :
MW-4DL

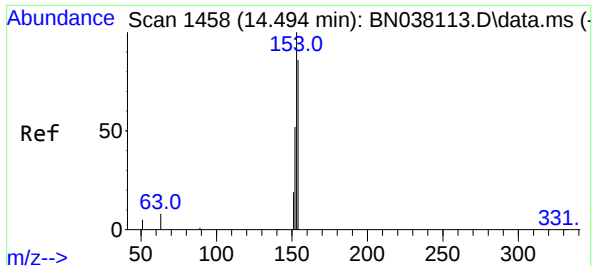
Tgt Ion:330 Resp: 102
Ion Ratio Lower Upper
330 100
332 88.2 76.6 114.8
141 183.3 34.1 51.1#



#15
2-Fluorobiphenyl
Concen: 0.015 ng
RT: 13.051 min Scan# 1323
Delta R.T. -0.000 min
Lab File: BN038177.D
Acq: 10 Nov 2025 12:02

Tgt Ion:172 Resp: 1132
Ion Ratio Lower Upper
172 100
171 40.6 27.8 41.6
170 29.8 18.1 27.1#

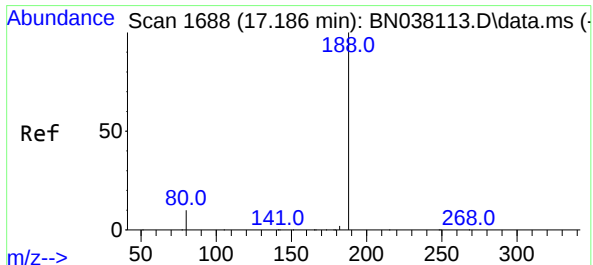
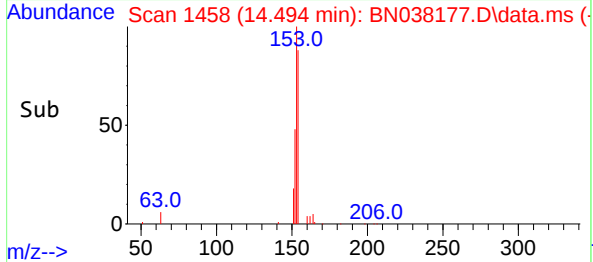
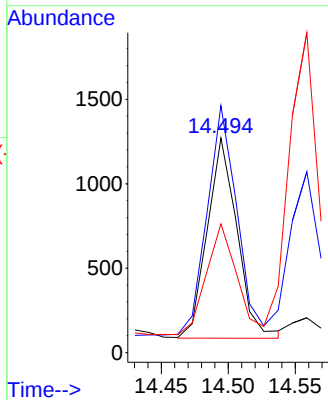
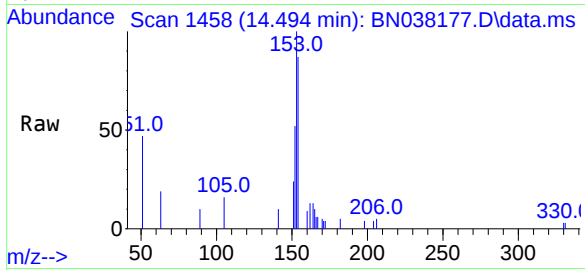




#17
Acenaphthene
Concen: 0.030 ng
RT: 14.494 min Scan# 1458
Delta R.T. -0.000 min
Lab File: BN038177.D
Acq: 10 Nov 2025 12:02

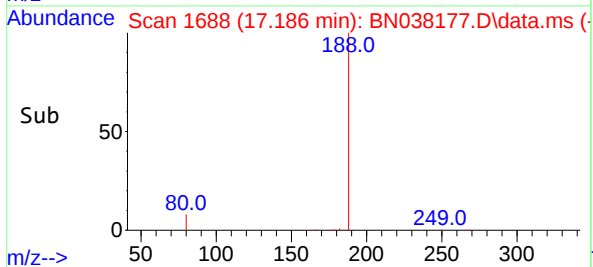
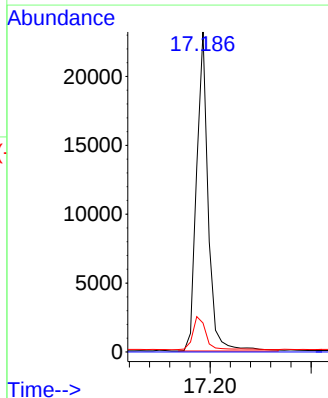
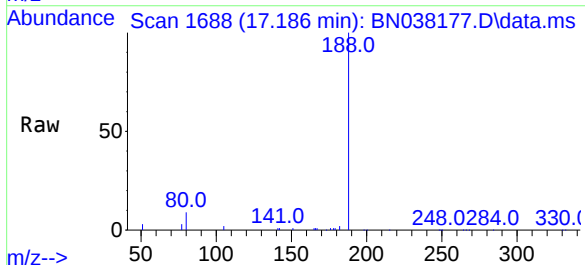
Instrument :
BNA_N
ClientSampleId :
MW-4DL

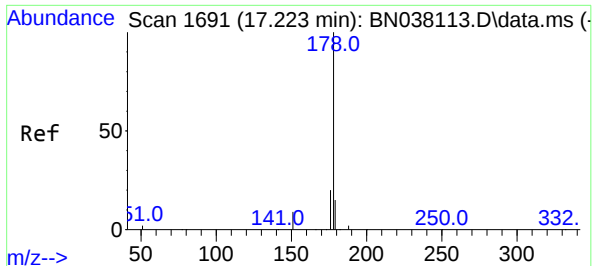
Tgt Ion:	154	Resp:	1832
Ion	Ratio	Lower	Upper
154	100		
153	113.4	90.0	135.0
152	56.6	47.3	70.9



#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.186 min Scan# 1688
Delta R.T. -0.000 min
Lab File: BN038177.D
Acq: 10 Nov 2025 12:02

Tgt Ion:	188	Resp:	36917
Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	9.1	8.6	13.0

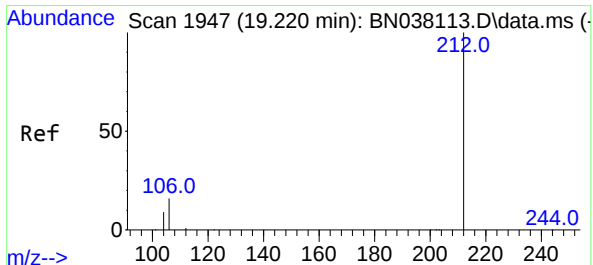
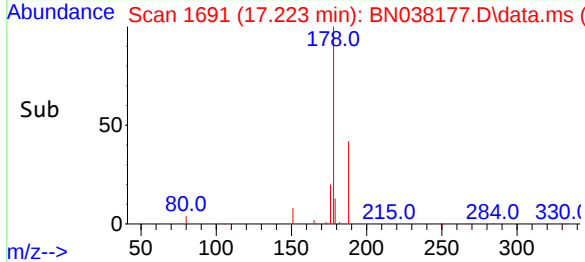
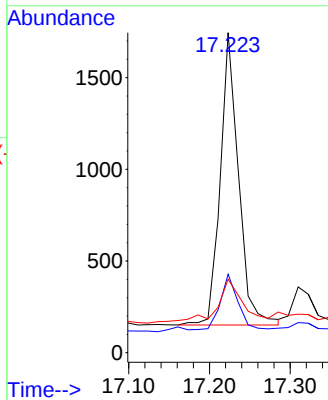
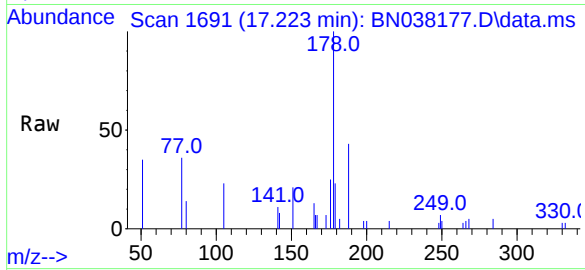




#25
Phenanthrene
Concen: 0.021 ng
RT: 17.223 min Scan# 1691
Delta R.T. -0.000 min
Lab File: BN038177.D
Acq: 10 Nov 2025 12:02

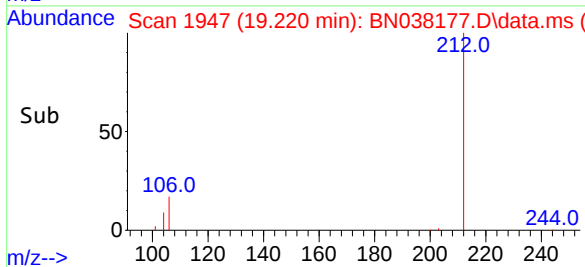
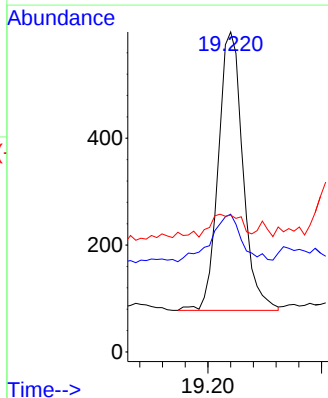
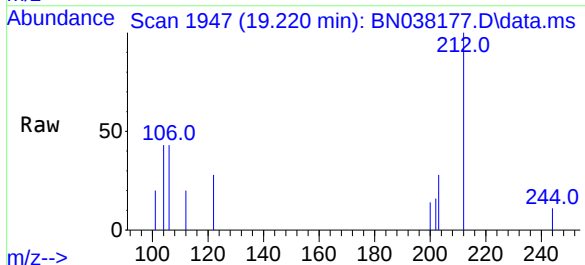
Instrument :
BNA_N
ClientSampleId :
MW-4DL

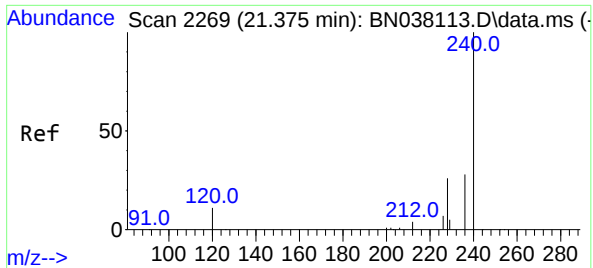
Tgt Ion:178 Resp: 2511
Ion Ratio Lower Upper
178 100
176 20.7 15.5 23.3
179 21.7 12.2 18.4#



#27
Fluoranthene-d10
Concen: 0.008 ng
RT: 19.220 min Scan# 1947
Delta R.T. -0.000 min
Lab File: BN038177.D
Acq: 10 Nov 2025 12:02

Tgt Ion:212 Resp: 780
Ion Ratio Lower Upper
212 100
106 21.2 12.6 19.0#
104 13.2 7.1 10.7#





#29

Chrysene-d12

Concen: 0.400 ng

RT: 21.375 min Scan# 21

Delta R.T. -0.000 min

Lab File: BN038177.D

Acq: 10 Nov 2025 12:02

Instrument :

BNA_N

ClientSampleId :

MW-4DL

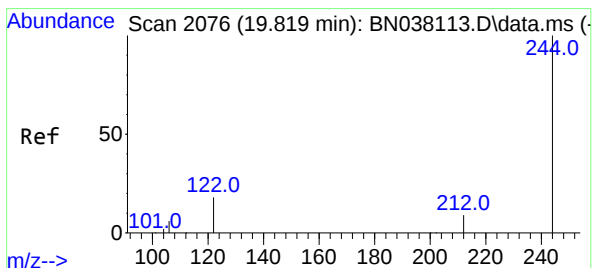
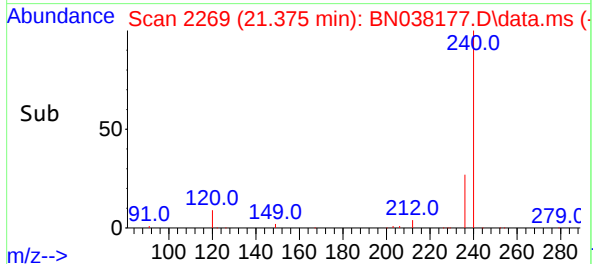
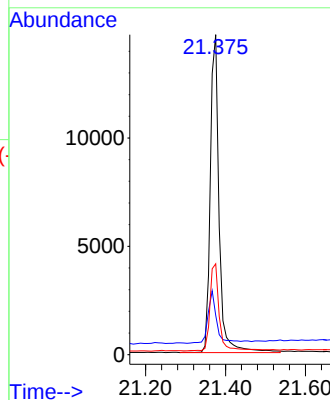
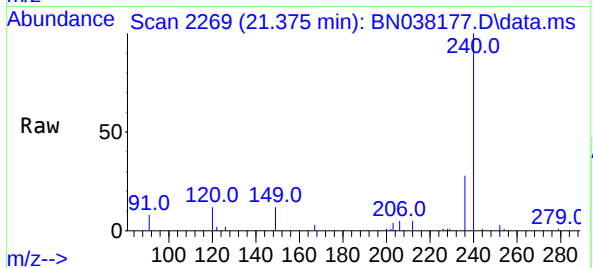
Tgt Ion:240 Resp: 22577

Ion Ratio Lower Upper

240 100

120 12.3 10.7 16.1

236 28.4 23.1 34.7



#31

Terphenyl-d14

Concen: 0.018 ng

RT: 19.819 min Scan# 2076

Delta R.T. -0.000 min

Lab File: BN038177.D

Acq: 10 Nov 2025 12:02

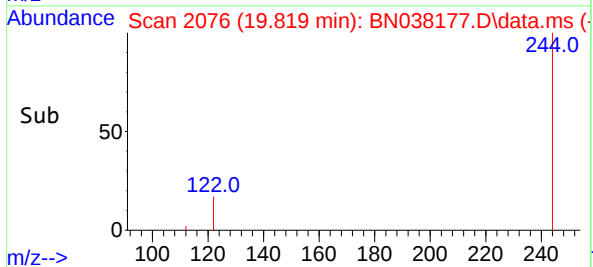
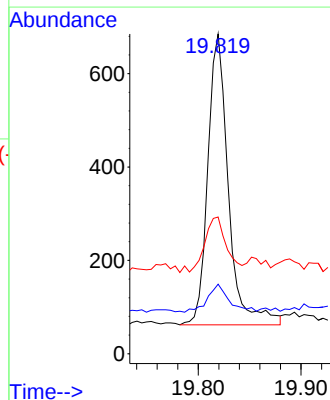
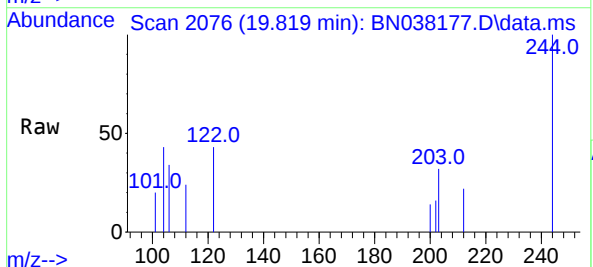
Tgt Ion:244 Resp: 867

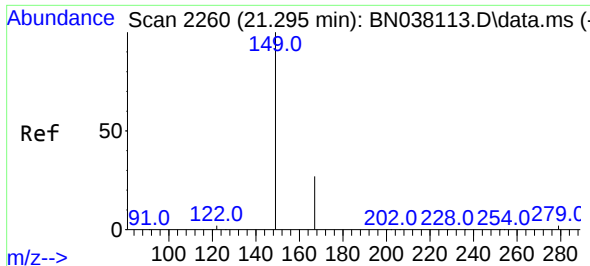
Ion Ratio Lower Upper

244 100

212 21.8 7.8 11.6#

122 42.8 15.2 22.8#

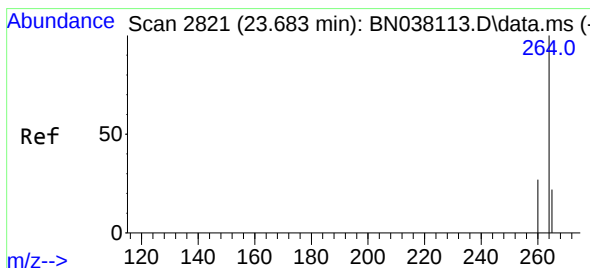
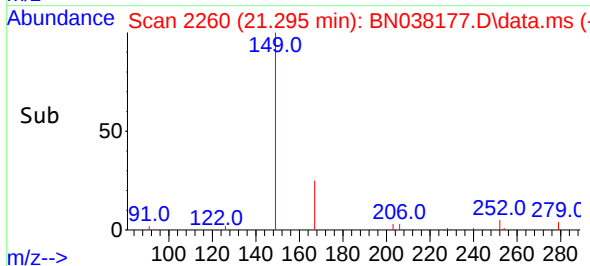
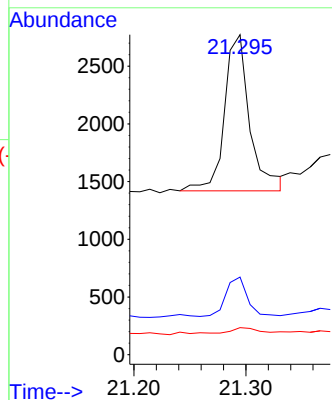
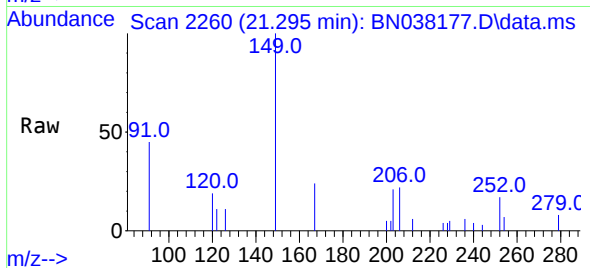




#34
Bis(2-ethylhexyl)phthalate
Concen: 0.050 ng
RT: 21.295 min Scan# 21
Delta R.T. -0.000 min
Lab File: BN038177.D
Acq: 10 Nov 2025 12:02

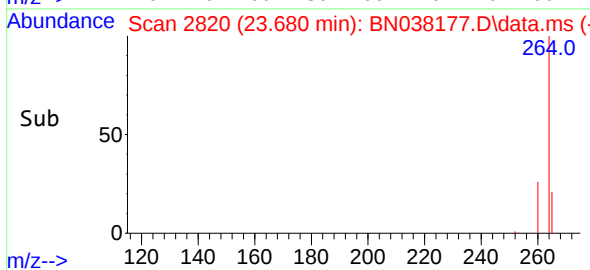
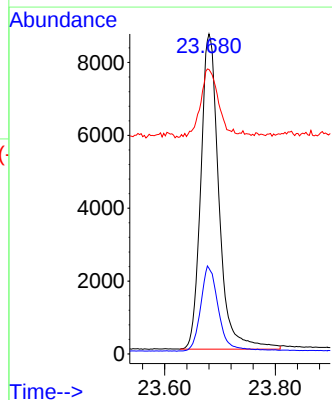
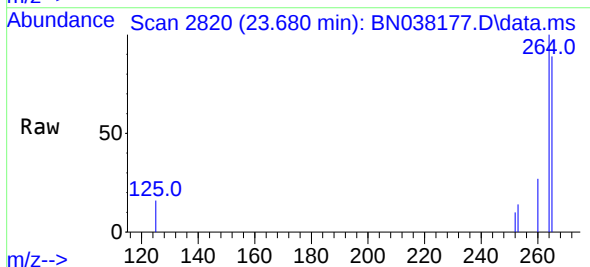
Instrument :
BNA_N
ClientSampleId :
MW-4DL

Tgt Ion:149 Resp: 2134
Ion Ratio Lower Upper
149 100
167 21.3 21.1 31.7
279 3.2 2.9 4.3



#35
Perylene-d12
Concen: 0.400 ng
RT: 23.680 min Scan# 2820
Delta R.T. -0.000 min
Lab File: BN038177.D
Acq: 10 Nov 2025 12:02

Tgt Ion:264 Resp: 19722
Ion Ratio Lower Upper
264 100
260 26.8 21.8 32.8
265 88.9 68.6 102.8



Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN110725\
 Data File : BN038162.D
 Acq On : 07 Nov 2025 19:46
 Operator : RC/JU
 Sample : Q3552-02
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 MW-8

A
B
C
D
E
F
G
H
I
J
K

Quant Time: Nov 08 03:05:57 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN102825.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Oct 29 13:09:46 2025
 Response via : Initial Calibration

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

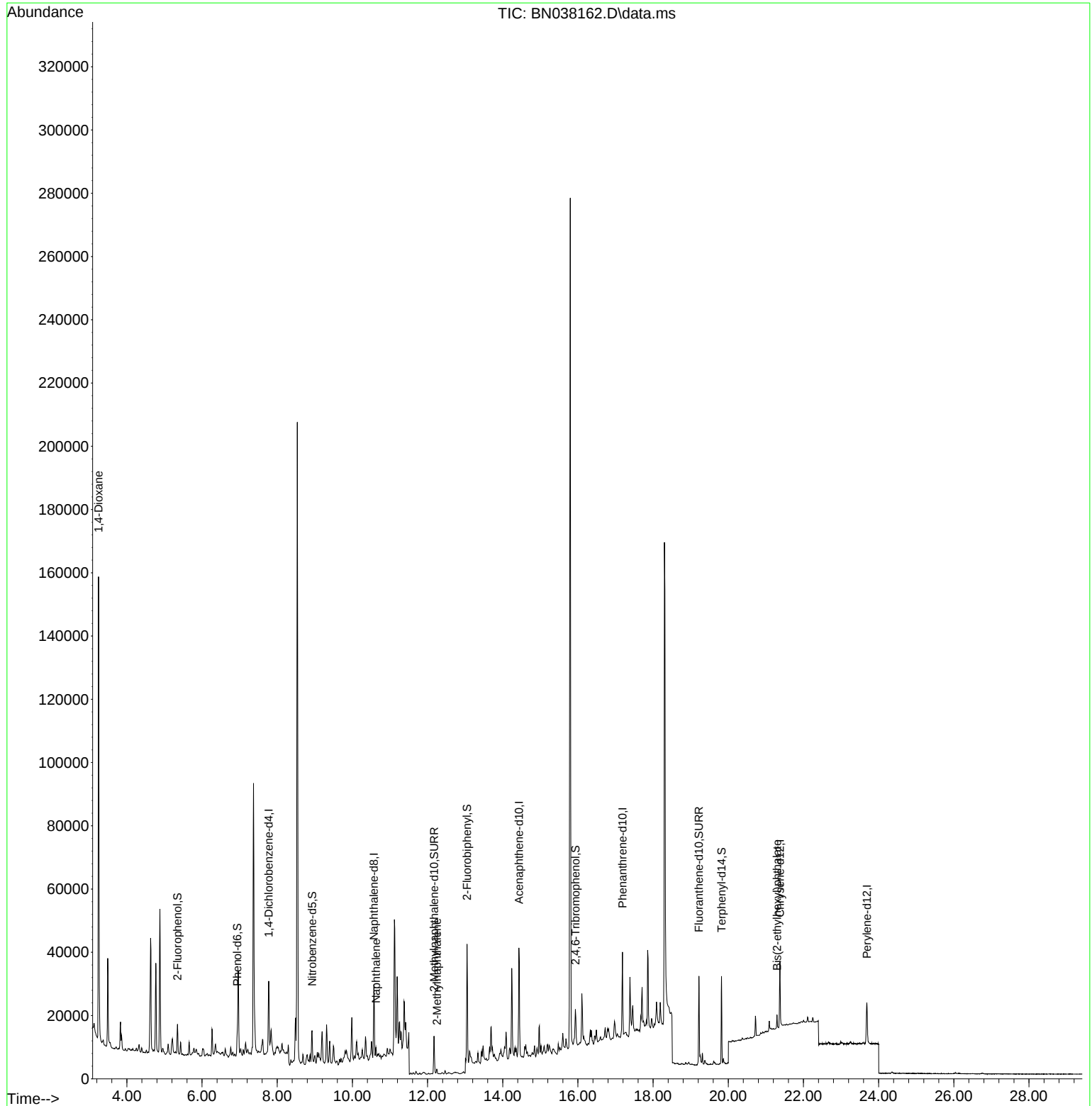
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.775	152	9440	0.400	ng	0.00
7) Naphthalene-d8	10.573	136	31588	0.400	ng	# 0.00
13) Acenaphthene-d10	14.430	164	21904	0.400	ng	0.00
19) Phenanthrene-d10	17.186	188	34017	0.400	ng	0.00
29) Chrysene-d12	21.375	240	18758	0.400	ng	# 0.00
35) Perylene-d12	23.686	264	17749	0.400	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.348	112	5706	0.257	ng	0.00
5) Phenol-d6	6.937	99	5914	0.218	ng	0.00
8) Nitrobenzene-d5	8.929	82	9082	0.356	ng	0.00
11) 2-Methylnaphthalene-d10	12.172	152	16363	0.363	ng	0.00
14) 2,4,6-Tribromophenol	15.932	330	4131	0.458	ng	0.00
15) 2-Fluorobiphenyl	13.051	172	25929	0.296	ng	0.00
27) Fluoranthene-d10	19.220	212	30149	0.351	ng	0.00
31) Terphenyl-d14	19.819	244	25173	0.618	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.247	88	87375	8.958	ng	99
9) Naphthalene	10.626	128	4730	0.054	ng	# 87
12) 2-Methylnaphthalene	12.248	142	1169	0.020	ng	# 70
34) Bis(2-ethylhexyl)phtha...	21.295	149	4123	0.117	ng	# 99

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

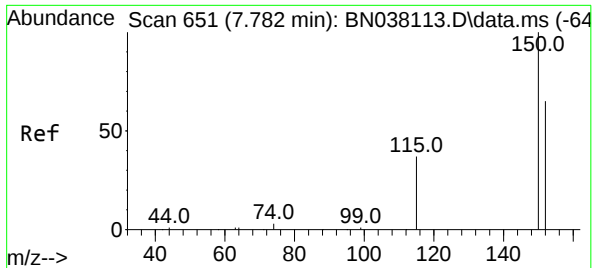
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Acq On : 07 Nov 2025 19:46
Operator : RC/JU
Sample : Q3552-02
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
MW-8

Quant Time: Nov 08 03:05:57 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN102825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Oct 29 13:09:46 2025
Response via : Initial Calibration



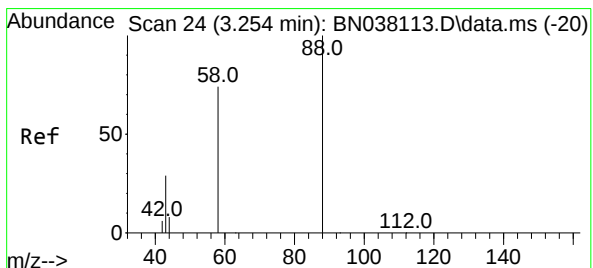
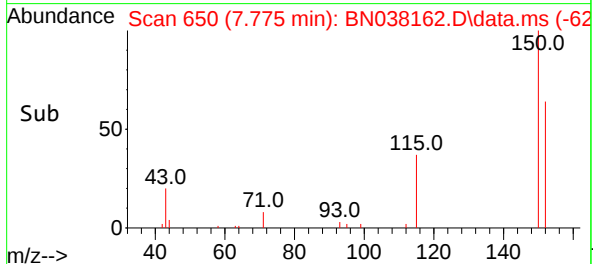
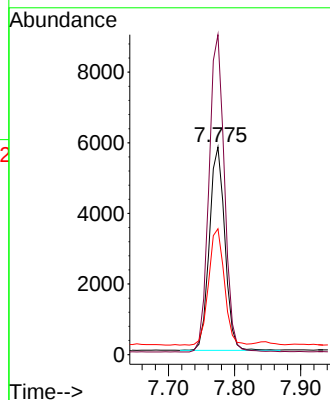
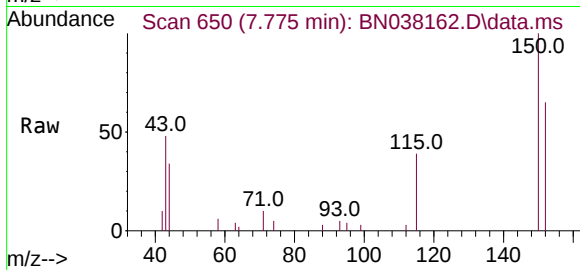
A
B
C
D
E
F
G
H
I
J
K



#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.775 min Scan# 61
Delta R.T. -0.000 min
Lab File: BN038162.D
Acq: 07 Nov 2025 19:46

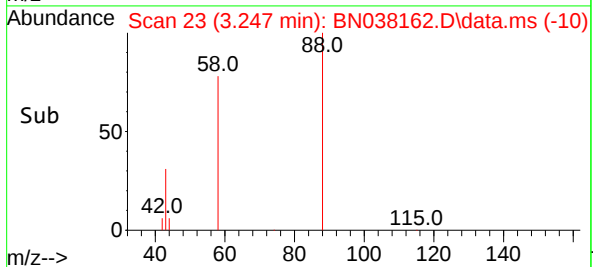
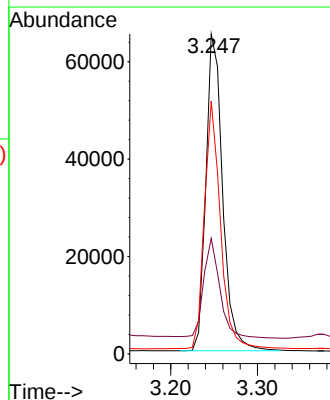
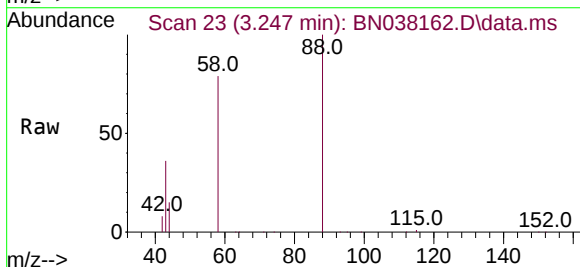
Instrument :
BNA_N
ClientSampleId :
MW-8

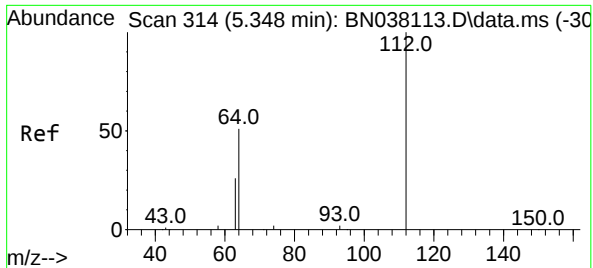
Tgt Ion:152 Resp: 9440
Ion Ratio Lower Upper
152 100
150 154.1 122.3 183.5
115 60.6 47.4 71.0



#2
1,4-Dioxane
Concen: 8.958 ng
RT: 3.247 min Scan# 23
Delta R.T. -0.007 min
Lab File: BN038162.D
Acq: 07 Nov 2025 19:46

Tgt Ion: 88 Resp: 87375
Ion Ratio Lower Upper
88 100
43 30.5 24.3 36.5
58 74.7 60.4 90.6

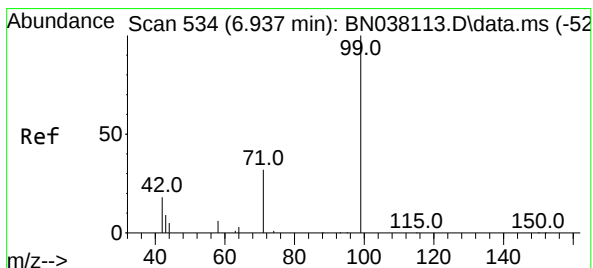
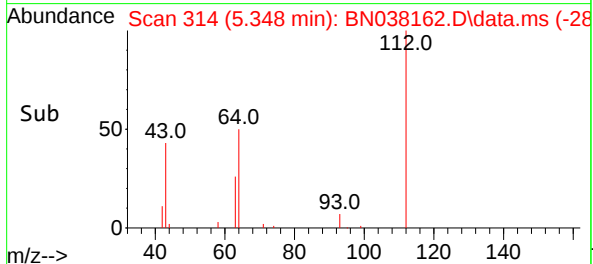
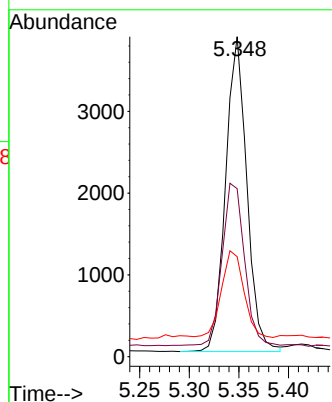
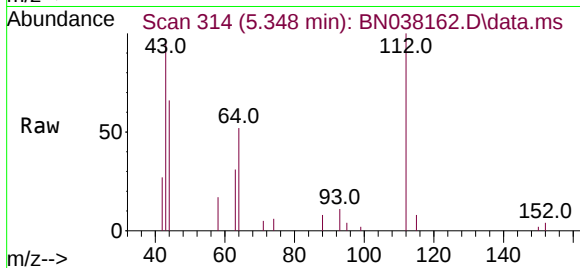




#4
2-Fluorophenol
Concen: 0.257 ng
RT: 5.348 min Scan# 314
Delta R.T. -0.000 min
Lab File: BN038162.D
Acq: 07 Nov 2025 19:46

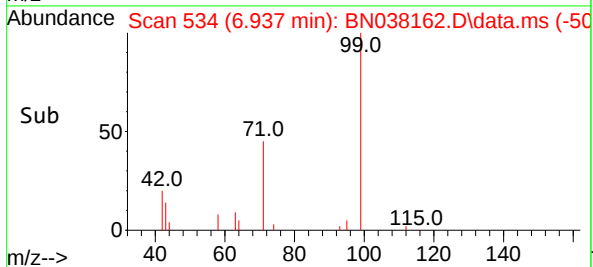
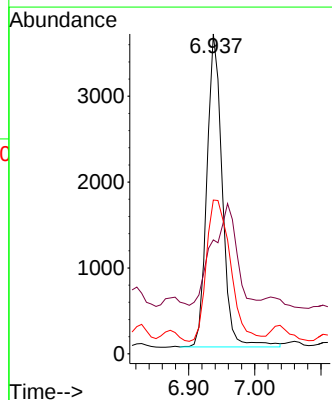
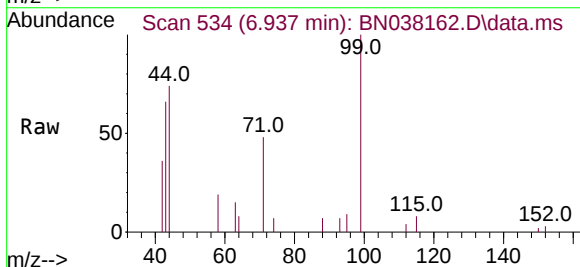
Instrument :
BNA_N
ClientSampleId :
MW-8

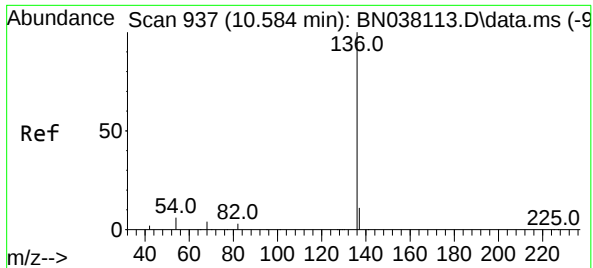
Tgt Ion	Ratio	Lower	Upper
112	100		
64	56.1	45.4	68.0
63	30.8	23.2	34.8



#5
Phenol-d6
Concen: 0.218 ng
RT: 6.937 min Scan# 534
Delta R.T. -0.000 min
Lab File: BN038162.D
Acq: 07 Nov 2025 19:46

Tgt Ion	Ratio	Lower	Upper
99	100		
42	0.0	16.6	24.8#
71	70.4	25.4	38.2#

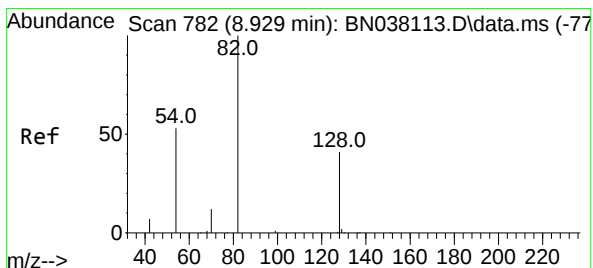
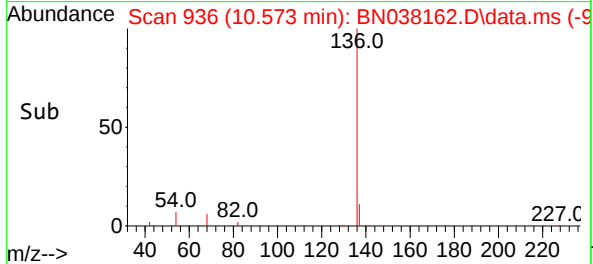
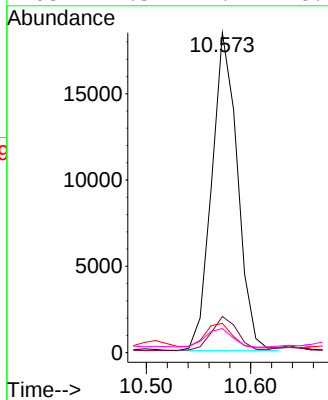
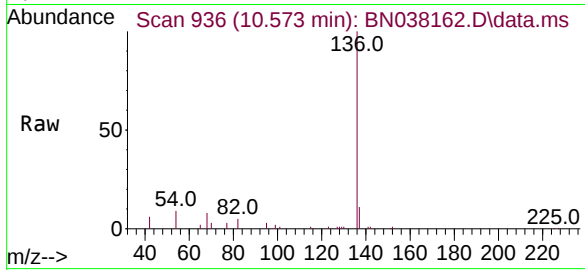




#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.573 min Scan# 936
Delta R.T. -0.000 min
Lab File: BN038162.D
Acq: 07 Nov 2025 19:46

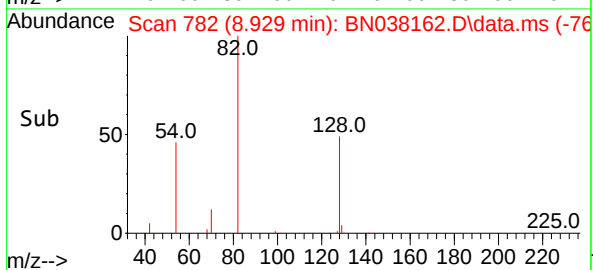
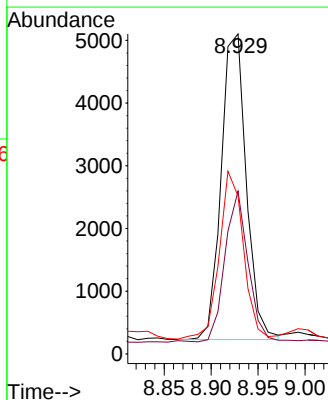
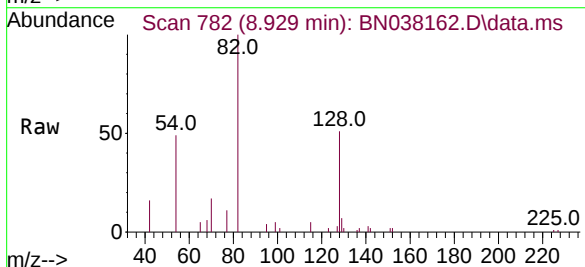
Instrument :
BNA_N
ClientSampleId :
MW-8

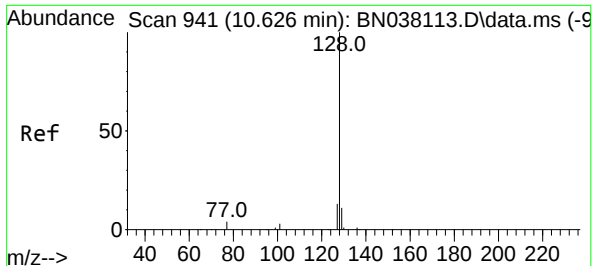
Tgt Ion:	136	Resp:	31588
Ion	Ratio	Lower	Upper
136	100		
137	11.3	9.0	13.4
54	9.1	5.2	7.8#
68	7.5	4.1	6.1#



#8
Nitrobenzene-d5
Concen: 0.356 ng
RT: 8.929 min Scan# 782
Delta R.T. -0.000 min
Lab File: BN038162.D
Acq: 07 Nov 2025 19:46

Tgt Ion:	82	Resp:	9082
Ion	Ratio	Lower	Upper
82	100		
128	50.9	34.1	51.1
54	49.3	43.5	65.3

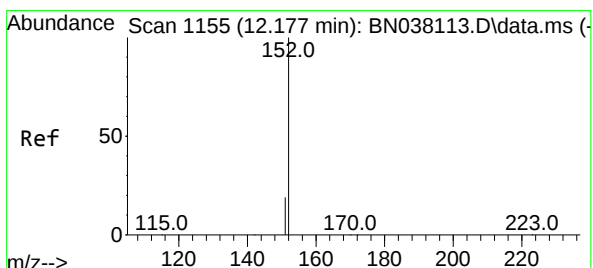
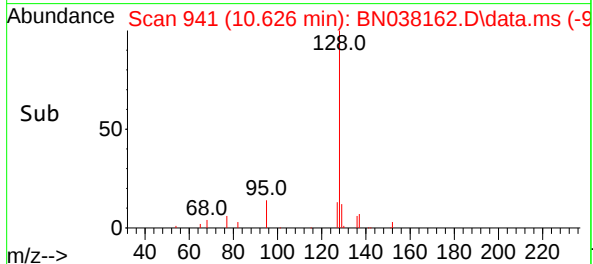
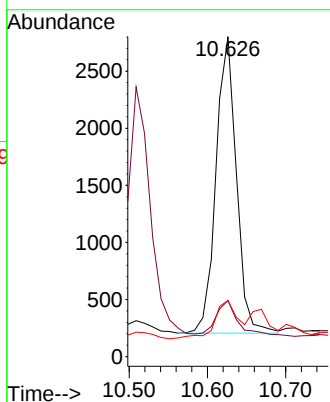
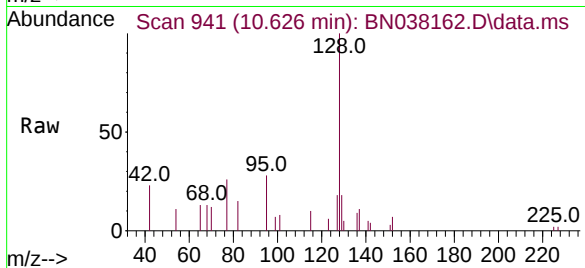




#9
Naphthalene
Concen: 0.054 ng
RT: 10.626 min Scan# 941
Delta R.T. -0.000 min
Lab File: BN038162.D
Acq: 07 Nov 2025 19:46

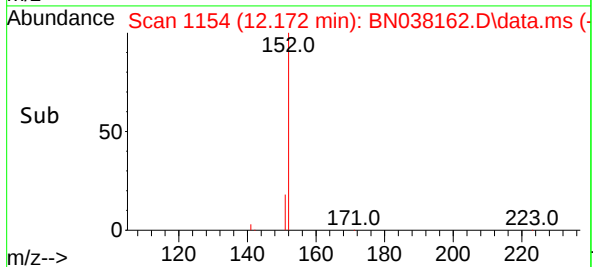
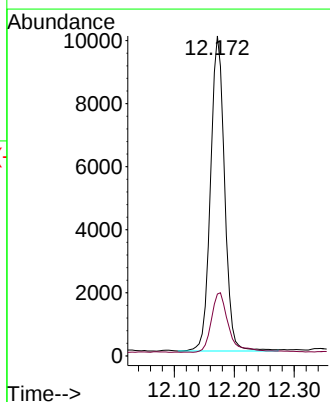
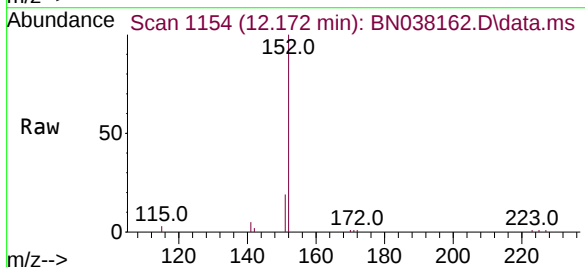
Instrument :
BNA_N
ClientSampleId :
MW-8

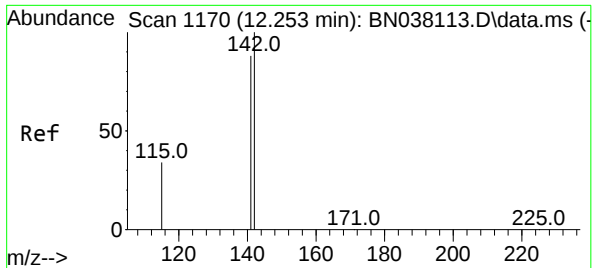
Tgt Ion:128 Resp: 4730
Ion Ratio Lower Upper
128 100
129 17.6 9.1 13.7#
127 17.5 10.5 15.7#



#11
2-Methylnaphthalene-d10
Concen: 0.363 ng
RT: 12.172 min Scan# 1154
Delta R.T. -0.005 min
Lab File: BN038162.D
Acq: 07 Nov 2025 19:46

Tgt Ion:152 Resp: 16363
Ion Ratio Lower Upper
152 100
151 23.6 16.8 25.2

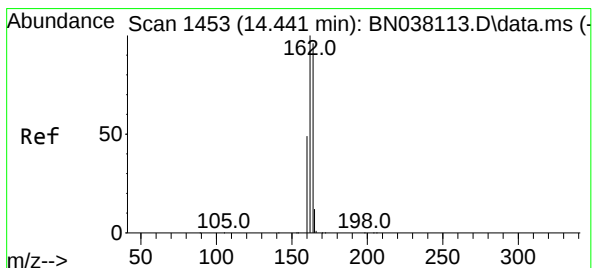
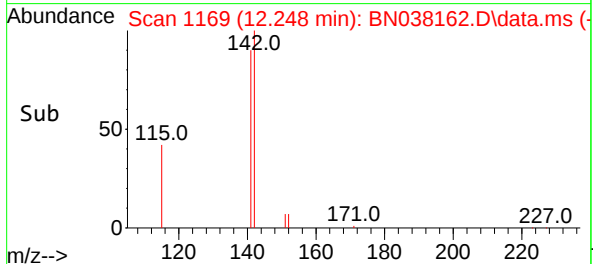
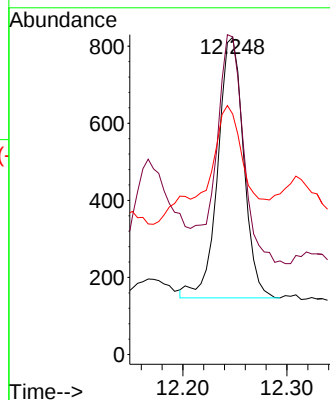
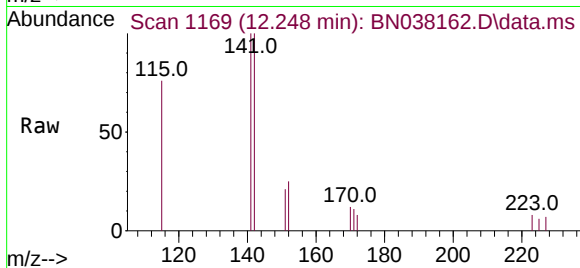




#12
2-Methylnaphthalene
Concen: 0.020 ng
RT: 12.248 min Scan# 1169
Delta R.T. -0.000 min
Lab File: BN038162.D
Acq: 07 Nov 2025 19:46

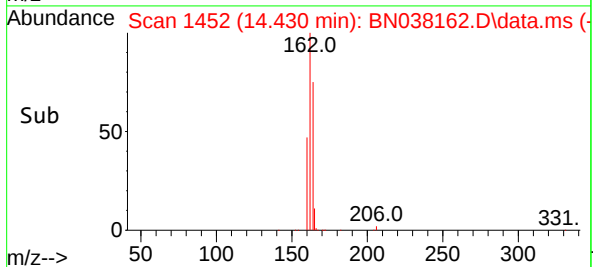
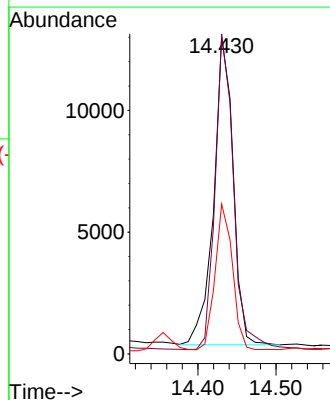
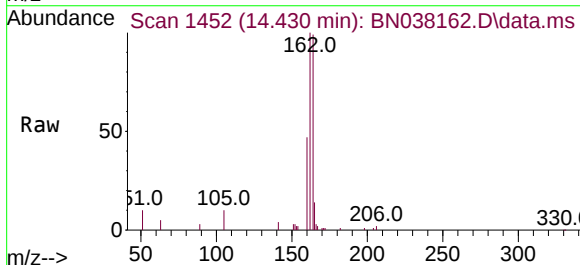
Instrument :
BNA_N
ClientSampleId :
MW-8

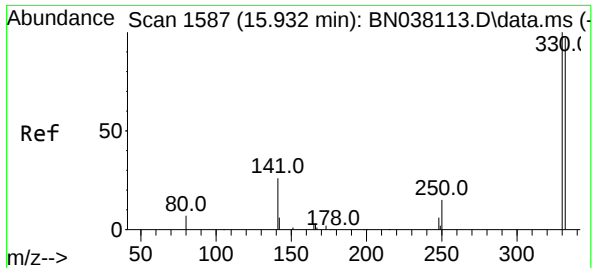
Tgt Ion:142 Resp: 1169
Ion Ratio Lower Upper
142 100
141 100.1 70.3 105.5
115 75.8 27.8 41.6#



#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.430 min Scan# 1452
Delta R.T. -0.000 min
Lab File: BN038162.D
Acq: 07 Nov 2025 19:46

Tgt Ion:164 Resp: 21904
Ion Ratio Lower Upper
164 100
162 100.9 83.0 124.4
160 47.2 40.7 61.1

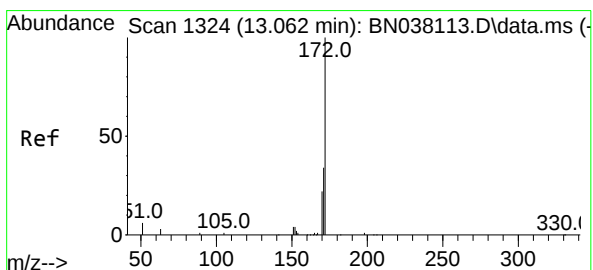
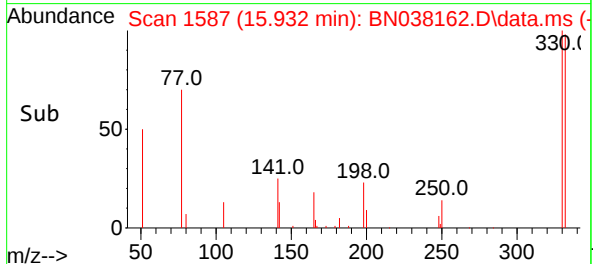
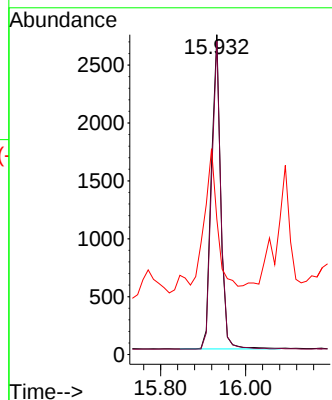
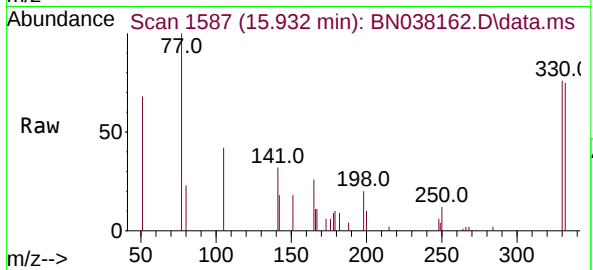




#14
2,4,6-Tribromophenol
Concen: 0.458 ng
RT: 15.932 min Scan# 1587
Delta R.T. 0.000 min
Lab File: BN038162.D
Acq: 07 Nov 2025 19:46

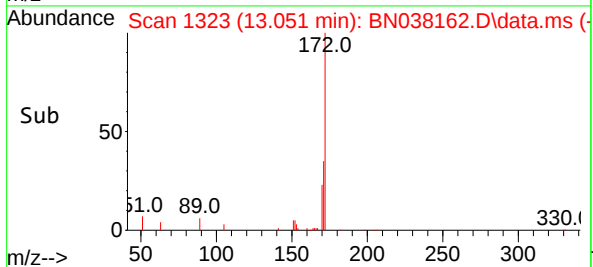
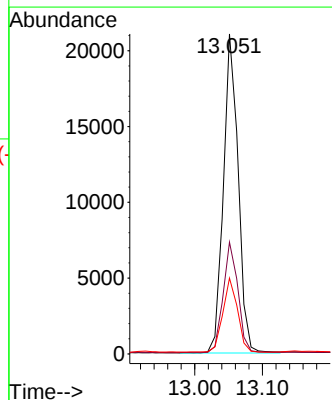
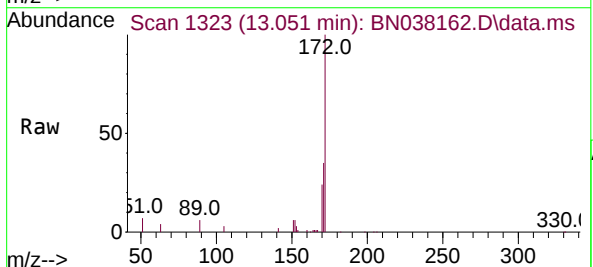
Instrument :
BNA_N
ClientSampleId :
MW-8

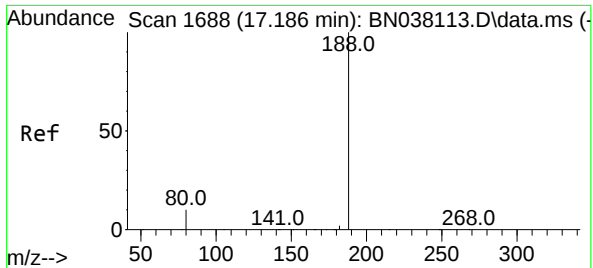
Tgt Ion	330	Resp	4131
Ion Ratio	Lower	Upper	
330	100		
332	97.4	76.6	114.8
141	74.9	34.1	51.1



#15
2-Fluorobiphenyl
Concen: 0.296 ng
RT: 13.051 min Scan# 1323
Delta R.T. -0.000 min
Lab File: BN038162.D
Acq: 07 Nov 2025 19:46

Tgt Ion	172	Resp	25929
Ion Ratio	Lower	Upper	
172	100		
171	34.9	27.8	41.6
170	23.7	18.1	27.1





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 17.186 min Scan# 1688

Delta R.T. -0.000 min

Lab File: BN038162.D

Acq: 07 Nov 2025 19:46

Instrument :

BNA_N

ClientSampleId :

MW-8

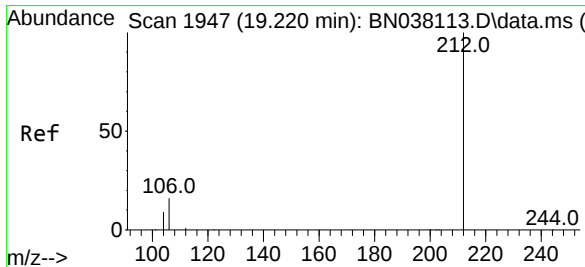
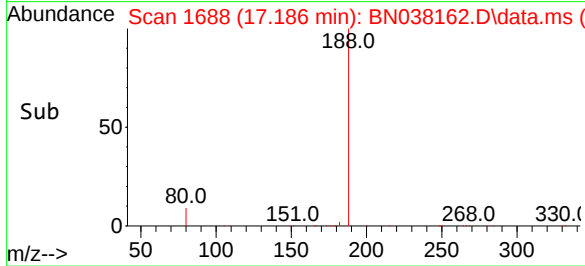
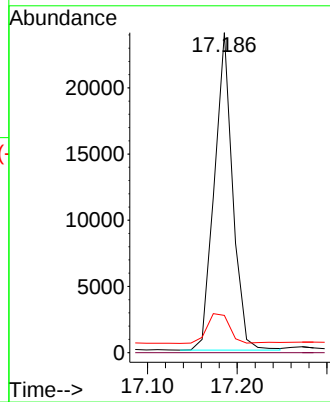
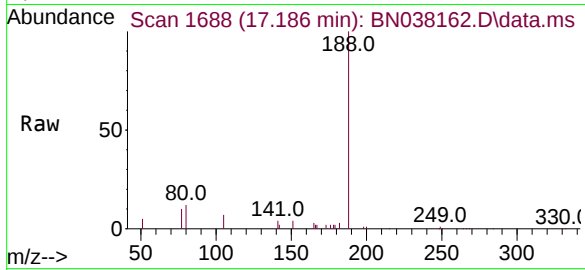
Tgt Ion:188 Resp: 34017

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

80 11.6 8.6 13.0



#27

Fluoranthene-d10

Concen: 0.351 ng

RT: 19.220 min Scan# 1947

Delta R.T. -0.000 min

Lab File: BN038162.D

Acq: 07 Nov 2025 19:46

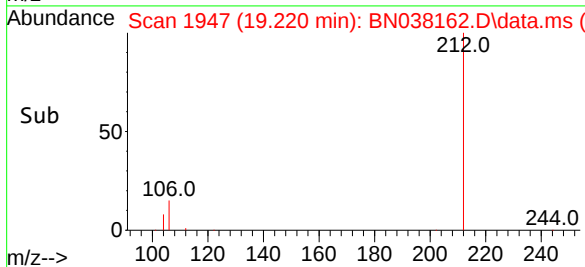
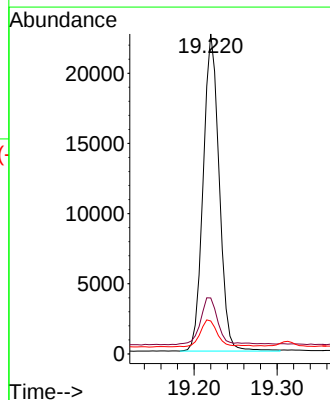
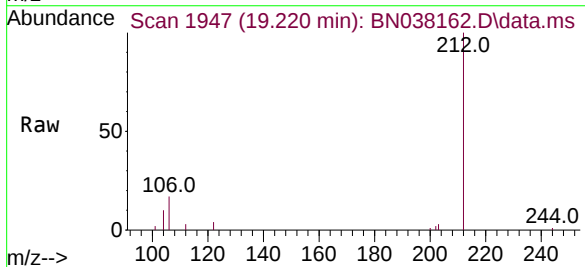
Tgt Ion:212 Resp: 30149

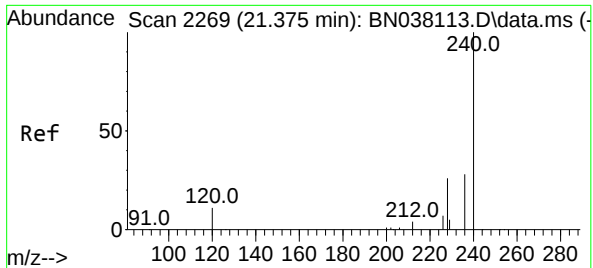
Ion Ratio Lower Upper

212 100

106 16.2 12.6 19.0

104 8.8 7.1 10.7





#29

Chrysene-d12

Concen: 0.400 ng

RT: 21.375 min Scan# 21

Delta R.T. -0.000 min

Lab File: BN038162.D

Acq: 07 Nov 2025 19:46

Instrument :

BNA_N

ClientSampleId :

MW-8

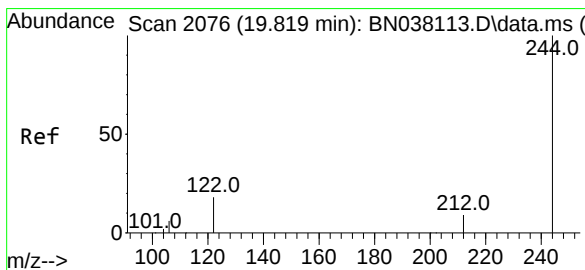
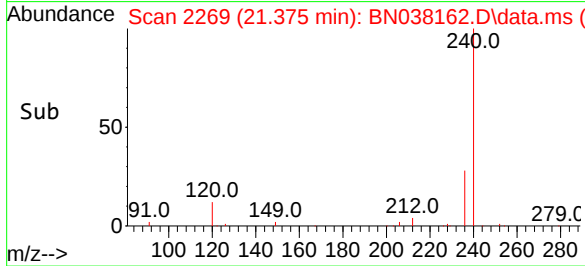
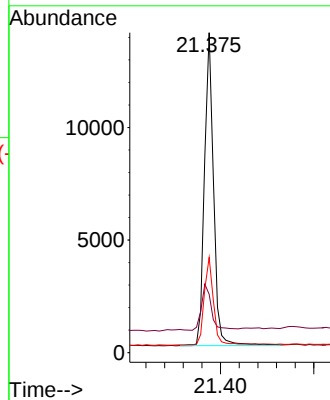
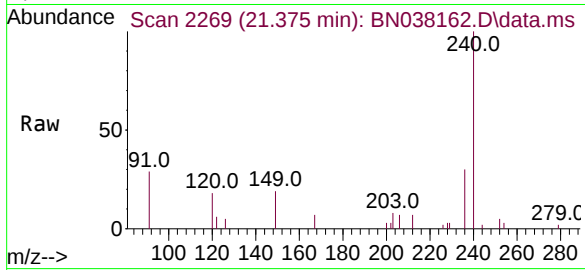
Tgt Ion:240 Resp: 18758

Ion Ratio Lower Upper

240 100

120 18.2 10.7 16.1#

236 29.7 23.1 34.7



#31

Terphenyl-d14

Concen: 0.618 ng

RT: 19.819 min Scan# 2076

Delta R.T. -0.000 min

Lab File: BN038162.D

Acq: 07 Nov 2025 19:46

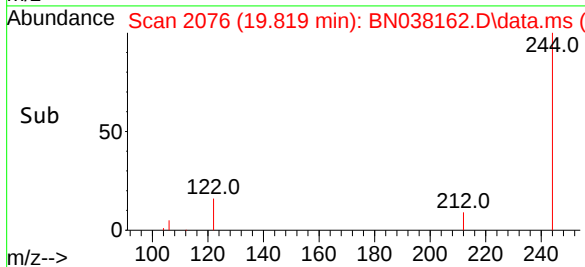
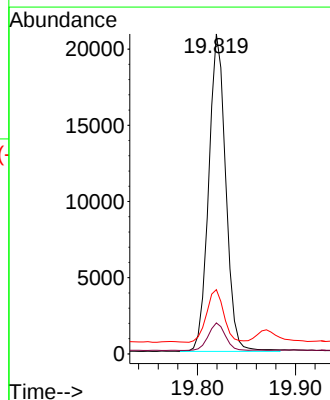
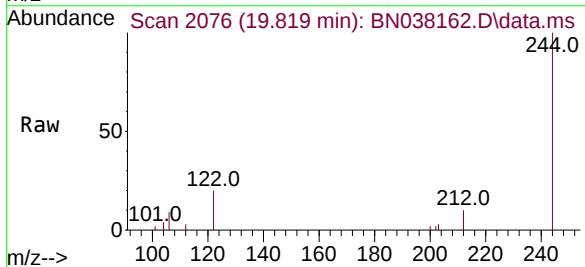
Tgt Ion:244 Resp: 25173

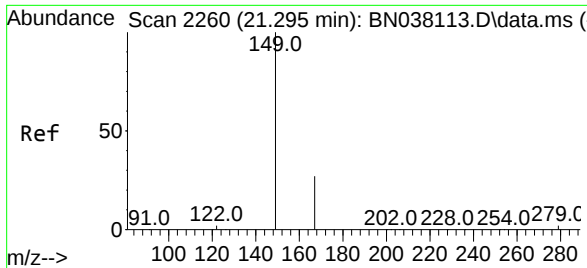
Ion Ratio Lower Upper

244 100

212 9.7 7.8 11.6

122 20.1 15.2 22.8

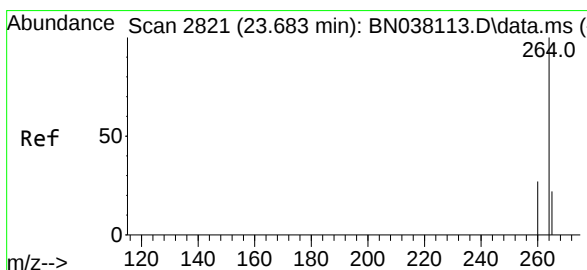
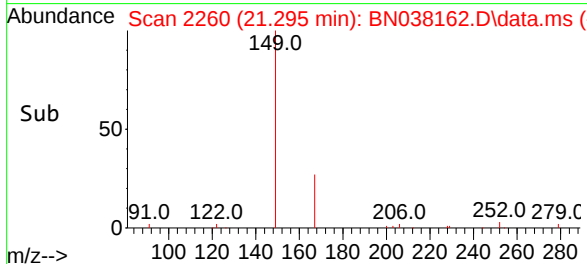
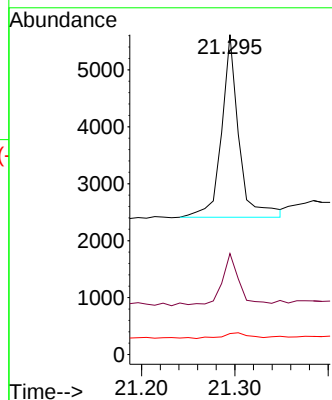
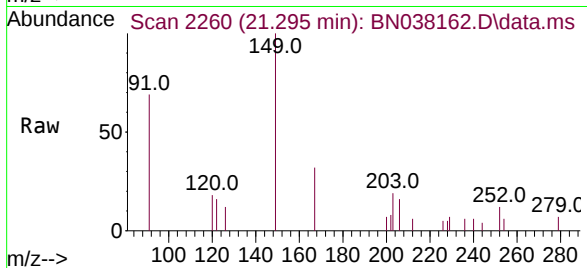




#34
Bis(2-ethylhexyl)phthalate
Concen: 0.117 ng
RT: 21.295 min Scan# 211
Delta R.T. -0.000 min
Lab File: BN038162.D
Acq: 07 Nov 2025 19:46

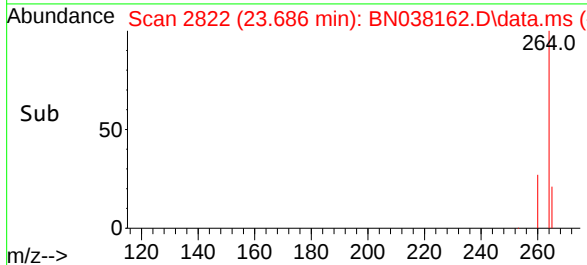
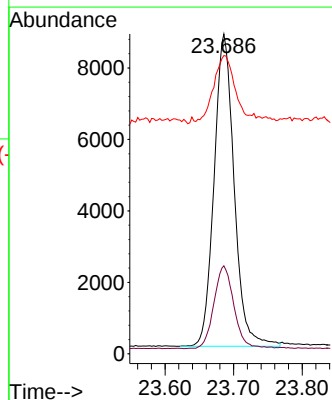
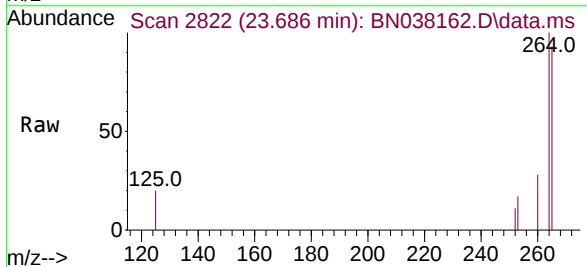
Instrument :
BNA_N
ClientSampleId :
MW-8

Tgt Ion:149 Resp: 4123
Ion Ratio Lower Upper
149 100
167 26.2 21.1 31.7
279 4.9 2.9 4.3#



#35
Perylene-d12
Concen: 0.400 ng
RT: 23.686 min Scan# 2822
Delta R.T. 0.006 min
Lab File: BN038162.D
Acq: 07 Nov 2025 19:46

Tgt Ion:264 Resp: 17749
Ion Ratio Lower Upper
264 100
260 27.5 21.8 32.8
265 93.2 68.6 102.8



Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN111025\
 Data File : BN038180.D
 Acq On : 10 Nov 2025 13:52
 Operator : RC/JU
 Sample : Q3552-02DL 5X
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 MW-8DL

A
B
C
D
E
F
G
H
I
J
K

Quant Time: Nov 10 14:16:39 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN102825.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Oct 29 13:09:46 2025
 Response via : Initial Calibration

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

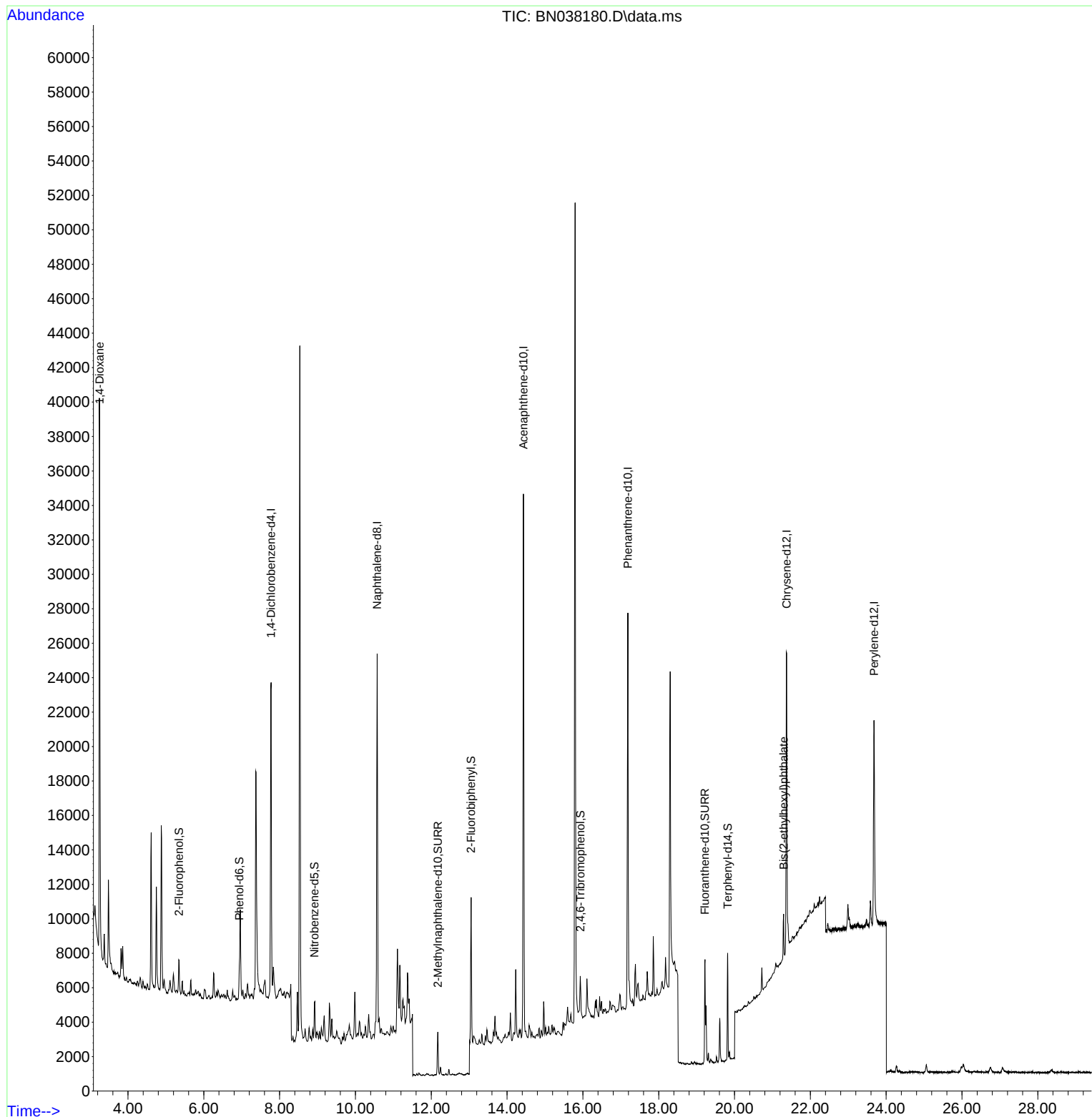
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.775	152	8860	0.400	ng	0.00
7) Naphthalene-d8	10.573	136	29425	0.400	ng	# 0.00
13) Acenaphthene-d10	14.430	164	18072	0.400	ng	0.00
19) Phenanthrene-d10	17.186	188	31918	0.400	ng	0.00
29) Chrysene-d12	21.376	240	18273	0.400	ng	0.00
35) Perylene-d12	23.680	264	17133	0.400	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.348	112	1277	0.061	ng	0.00
5) Phenol-d6	6.937	99	1293	0.051	ng	0.00
8) Nitrobenzene-d5	8.918	82	2188	0.092	ng	-0.01
11) 2-Methylnaphthalene-d10	12.172	152	3548	0.084	ng	0.00
14) 2,4,6-Tribromophenol	15.932	330	815	0.109	ng	0.00
15) 2-Fluorobiphenyl	13.051	172	7368	0.102	ng	0.00
27) Fluoranthene-d10	19.220	212	6848	0.085	ng	0.00
31) Terphenyl-d14	19.819	244	6164	0.155	ng	0.00
Target Compounds						
2) 1,4-Dioxane	3.254	88	20513	2.241	ng	98
34) Bis(2-ethylhexyl)phtha...	21.295	149	2745	0.080	ng	99

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

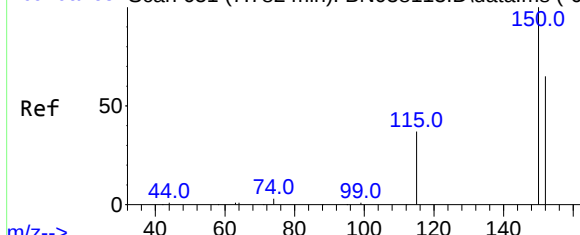
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN111025\
Data File : BN038180.D
Acq On : 10 Nov 2025 13:52
Operator : RC/JU
Sample : Q3552-02DL 5X
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
MW-8DL

Quant Time: Nov 10 14:16:39 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN102825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Oct 29 13:09:46 2025
Response via : Initial Calibration



Abundance Scan 651 (7.782 min): BN038113.D\data.ms (-64



#1

1,4-Dichlorobenzene-d4

Concen: 0.400 ng

RT: 7.775 min Scan# 61

Delta R.T. 0.000 min

Lab File: BN038180.D

Acq: 10 Nov 2025 13:52

Instrument :

BNA_N

ClientSampleId :

MW-8DL

Tgt Ion:152 Resp: 8860

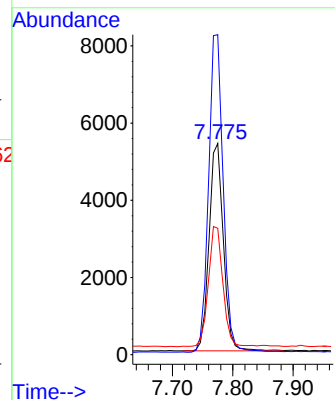
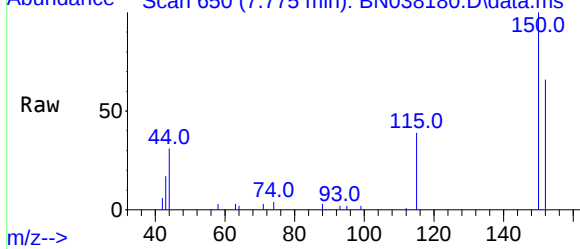
Ion Ratio Lower Upper

152 100

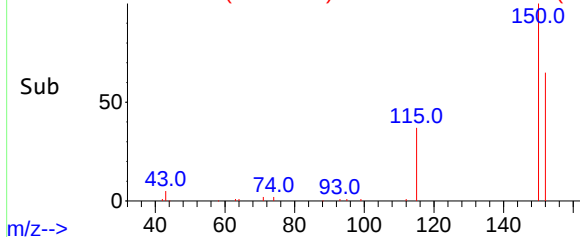
150 151.5 122.3 183.5

115 59.8 47.4 71.0

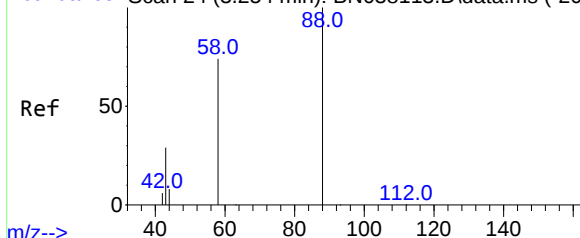
Abundance Scan 650 (7.775 min): BN038180.D\data.ms



Abundance Scan 650 (7.775 min): BN038180.D\data.ms (-62



Abundance Scan 24 (3.254 min): BN038113.D\data.ms (-20)



#2

1,4-Dioxane

Concen: 2.241 ng

RT: 3.254 min Scan# 24

Delta R.T. 0.000 min

Lab File: BN038180.D

Acq: 10 Nov 2025 13:52

Tgt Ion: 88 Resp: 20513

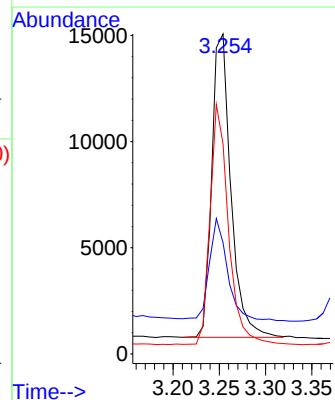
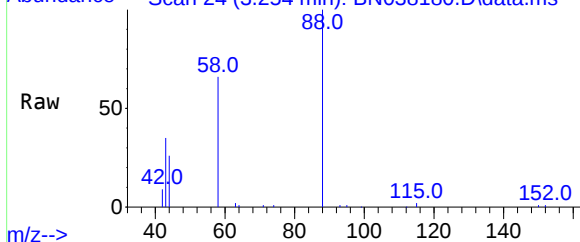
Ion Ratio Lower Upper

88 100

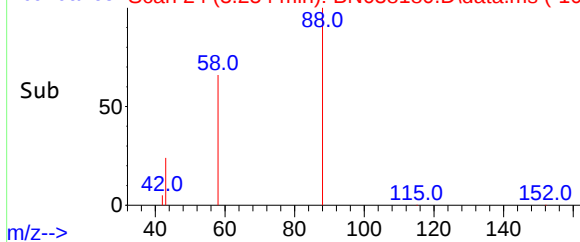
43 33.0 24.3 36.5

58 75.9 60.4 90.6

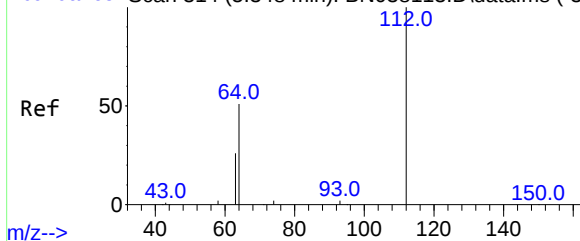
Abundance Scan 24 (3.254 min): BN038180.D\data.ms



Abundance Scan 24 (3.254 min): BN038180.D\data.ms (-10)



Abundance Scan 314 (5.348 min): BN038113.D\data.ms (-30



#4

2-Fluorophenol

Concen: 0.061 ng

RT: 5.348 min Scan# 314

Delta R.T. 0.000 min

Lab File: BN038180.D

Acq: 10 Nov 2025 13:52

Instrument :

BNA_N

ClientSampleId :

MW-8DL

Tgt Ion:112 Resp: 1277

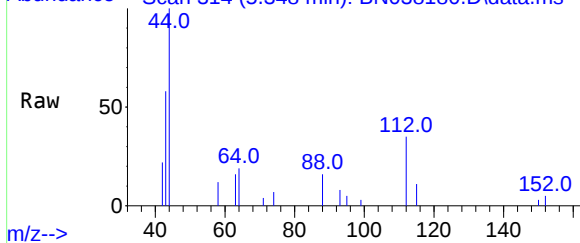
Ion Ratio Lower Upper

112 100

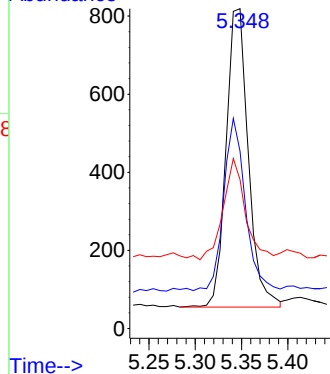
64 55.8 45.4 68.0

63 33.5 23.2 34.8

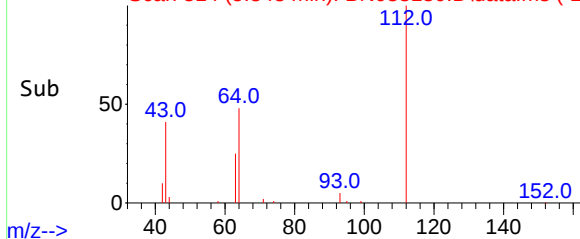
Abundance Scan 314 (5.348 min): BN038180.D\data.ms



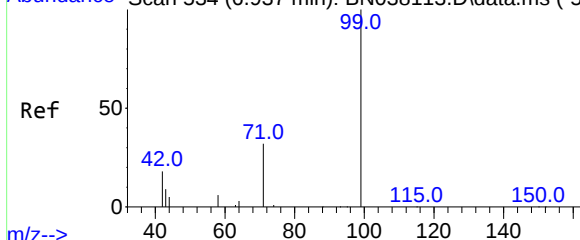
Abundance



Abundance Scan 314 (5.348 min): BN038180.D\data.ms (-28



Abundance Scan 534 (6.937 min): BN038113.D\data.ms (-52



#5

Phenol-d6

Concen: 0.051 ng

RT: 6.937 min Scan# 534

Delta R.T. 0.000 min

Lab File: BN038180.D

Acq: 10 Nov 2025 13:52

Tgt Ion: 99 Resp: 1293

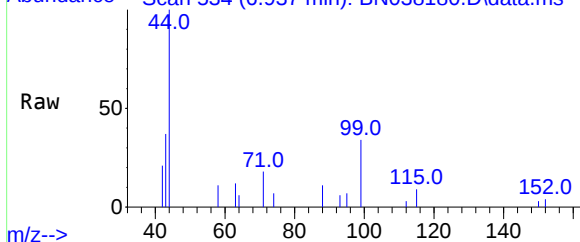
Ion Ratio Lower Upper

99 100

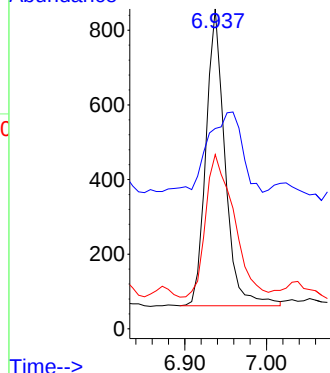
42 0.0 16.6 24.8#

71 73.0 25.4 38.2#

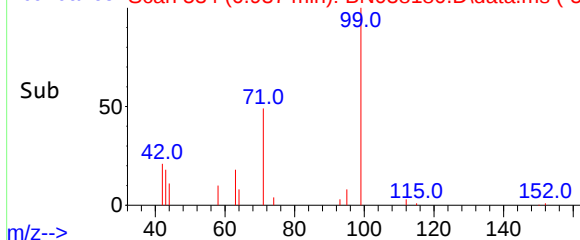
Abundance Scan 534 (6.937 min): BN038180.D\data.ms

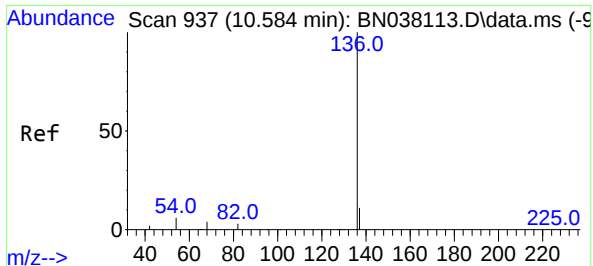


Abundance



Abundance Scan 534 (6.937 min): BN038180.D\data.ms (-50

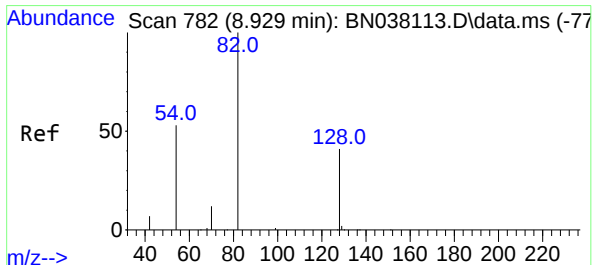
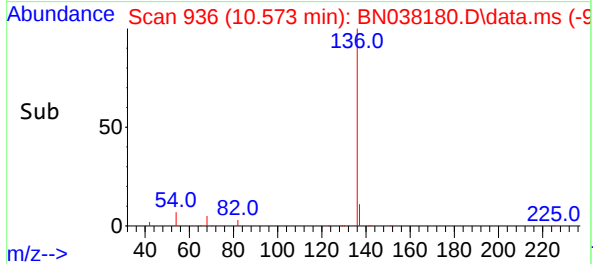
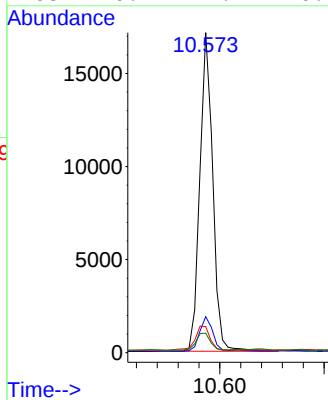
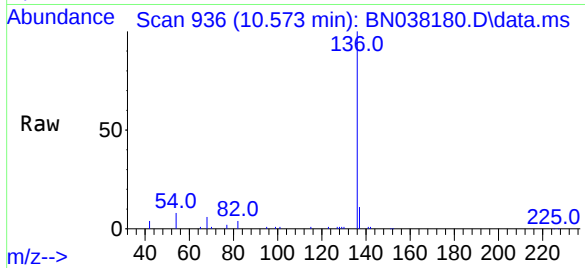




#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.573 min Scan# 91
Delta R.T. 0.000 min
Lab File: BN038180.D
Acq: 10 Nov 2025 13:52

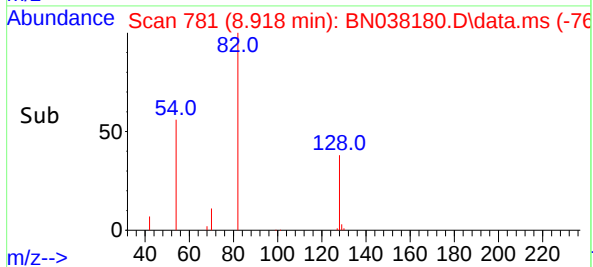
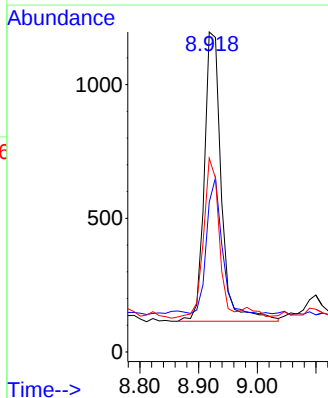
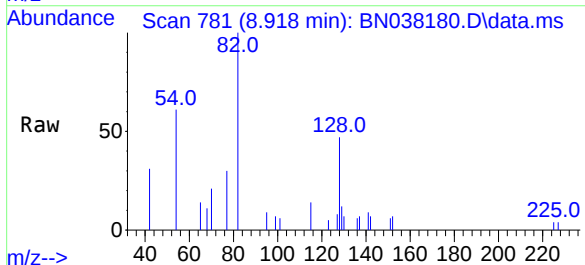
Instrument :
BNA_N
ClientSampleId :
MW-8DL

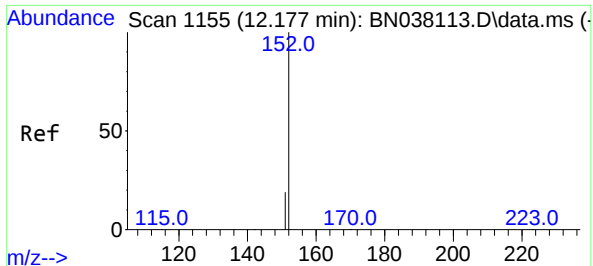
Tgt Ion:	136	Resp:	29425
Ion	Ratio	Lower	Upper
136	100		
137	11.2	9.0	13.4
54	8.1	5.2	7.8#
68	6.1	4.1	6.1



#8
Nitrobenzene-d5
Concen: 0.092 ng
RT: 8.918 min Scan# 781
Delta R.T. -0.011 min
Lab File: BN038180.D
Acq: 10 Nov 2025 13:52

Tgt Ion:	82	Resp:	2188
Ion	Ratio	Lower	Upper
82	100		
128	46.8	34.1	51.1
54	60.6	43.5	65.3

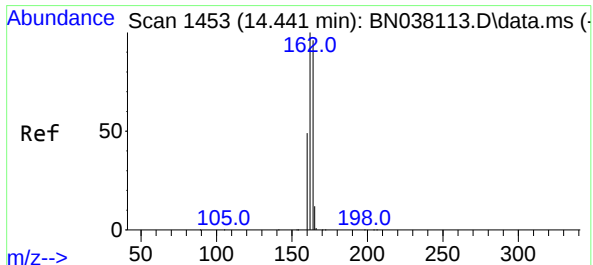
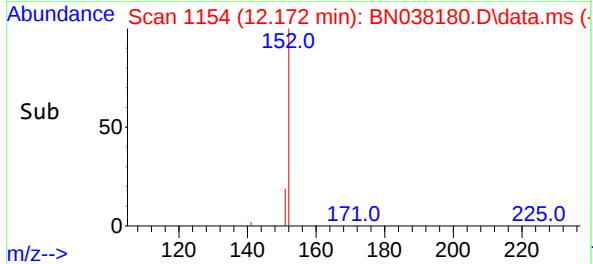
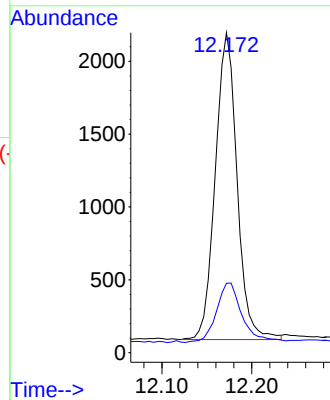
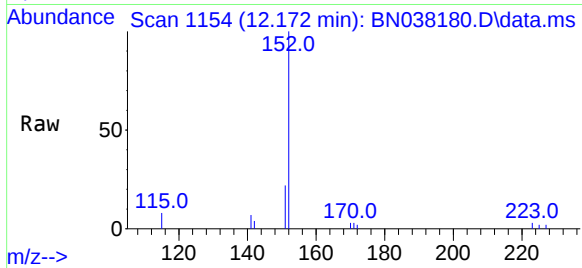




#11
2-Methylnaphthalene-d10
Concen: 0.084 ng
RT: 12.172 min Scan# 1154
Delta R.T. -0.005 min
Lab File: BN038180.D
Acq: 10 Nov 2025 13:52

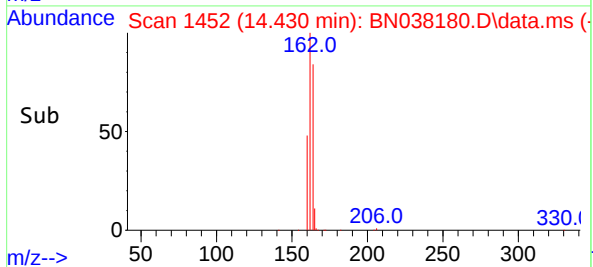
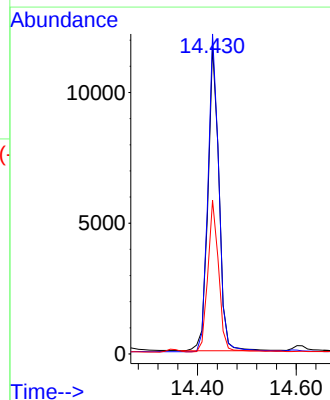
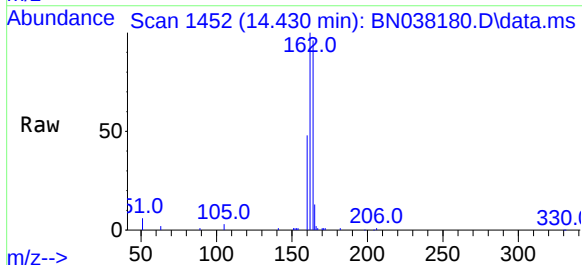
Instrument :
BNA_N
ClientSampleId :
MW-8DL

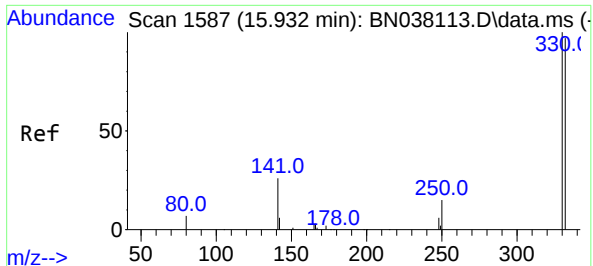
Tgt Ion:152 Resp: 3548
Ion Ratio Lower Upper
152 100
151 23.0 16.8 25.2



#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.430 min Scan# 1452
Delta R.T. 0.000 min
Lab File: BN038180.D
Acq: 10 Nov 2025 13:52

Tgt Ion:164 Resp: 18072
Ion Ratio Lower Upper
164 100
162 104.0 83.0 124.4
160 50.0 40.7 61.1





#14

2,4,6-Tribromophenol

Concen: 0.109 ng

RT: 15.932 min Scan# 1

Delta R.T. 0.000 min

Lab File: BN038180.D

Acq: 10 Nov 2025 13:52

Instrument :

BNA_N

ClientSampleId :

MW-8DL

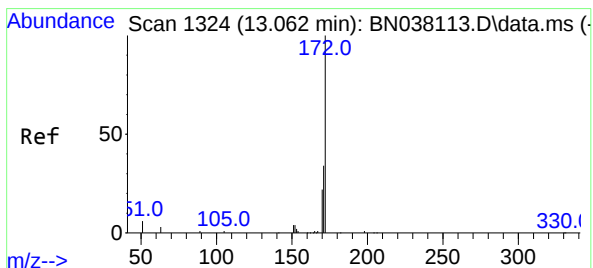
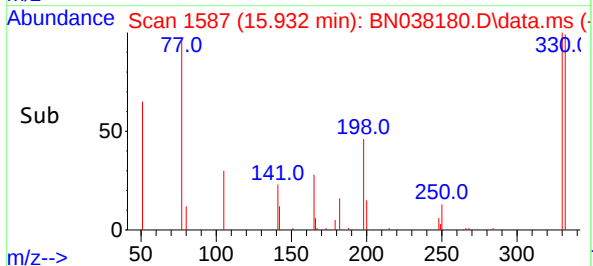
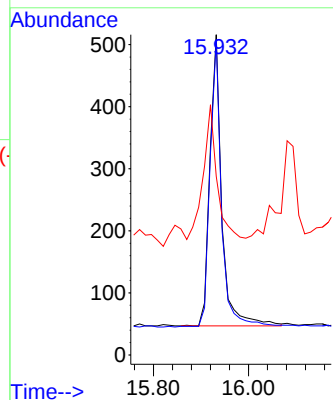
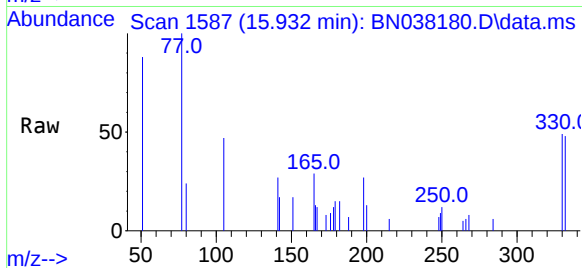
Tgt Ion:330 Resp: 815

Ion Ratio Lower Upper

330 100

332 96.1 76.6 114.8

141 55.7 34.1 51.1#



#15

2-Fluorobiphenyl

Concen: 0.102 ng

RT: 13.051 min Scan# 1323

Delta R.T. 0.000 min

Lab File: BN038180.D

Acq: 10 Nov 2025 13:52

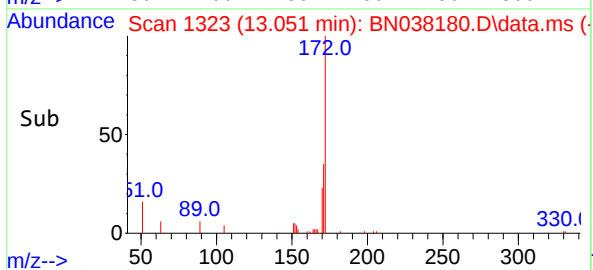
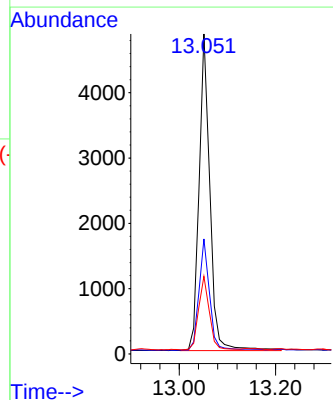
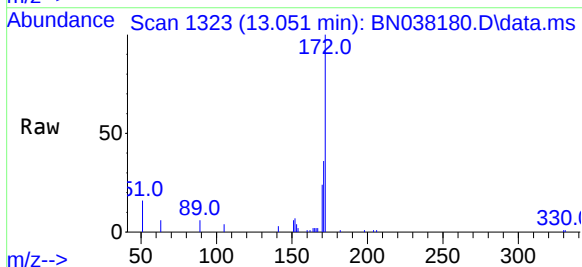
Tgt Ion:172 Resp: 7368

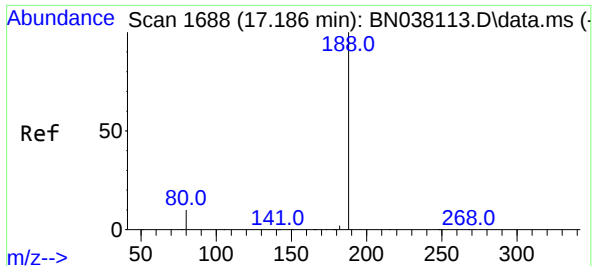
Ion Ratio Lower Upper

172 100

171 35.9 27.8 41.6

170 24.2 18.1 27.1





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 17.186 min Scan# 1

Delta R.T. 0.000 min

Lab File: BN038180.D

Acq: 10 Nov 2025 13:52

Instrument :

BNA_N

ClientSampleId :

MW-8DL

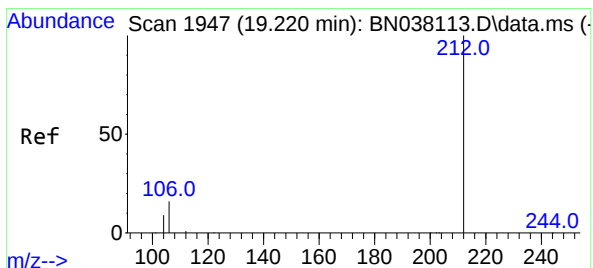
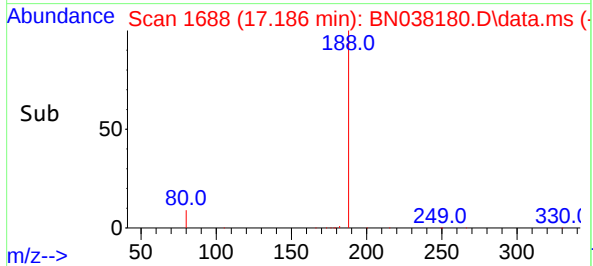
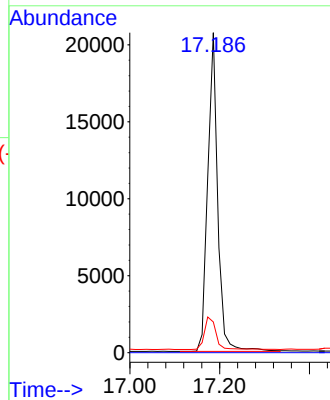
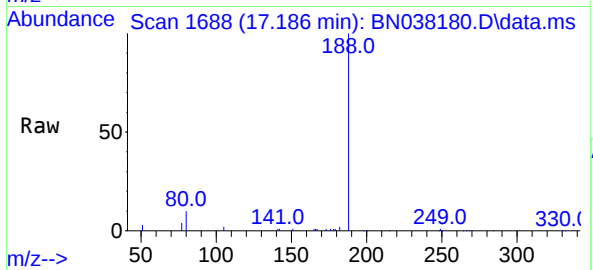
Tgt Ion:188 Resp: 31918

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

80 9.6 8.6 13.0



#27

Fluoranthene-d10

Concen: 0.085 ng

RT: 19.220 min Scan# 1947

Delta R.T. 0.000 min

Lab File: BN038180.D

Acq: 10 Nov 2025 13:52

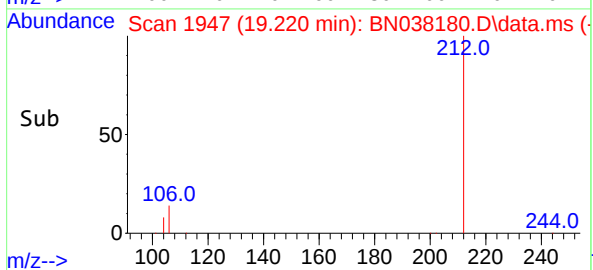
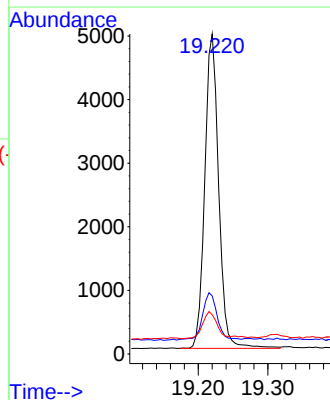
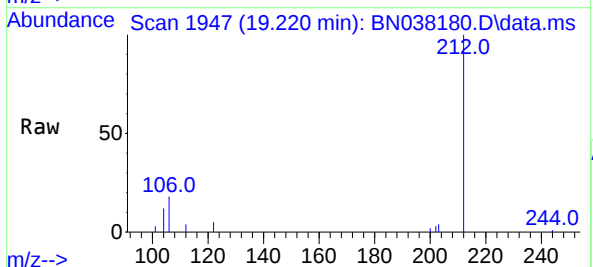
Tgt Ion:212 Resp: 6848

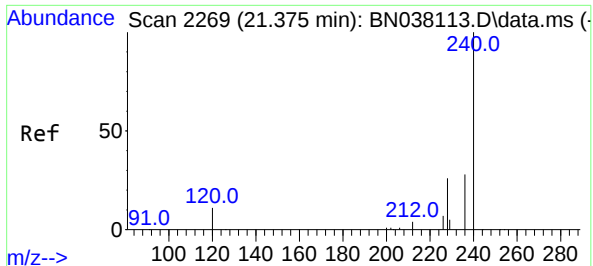
Ion Ratio Lower Upper

212 100

106 15.7 12.6 19.0

104 9.5 7.1 10.7





#29

Chrysene-d12

Concen: 0.400 ng

RT: 21.376 min Scan# 21

Delta R.T. 0.000 min

Lab File: BN038180.D

Acq: 10 Nov 2025 13:52

Instrument :

BNA_N

ClientSampleId :

MW-8DL

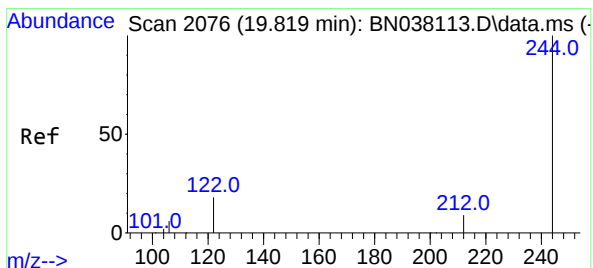
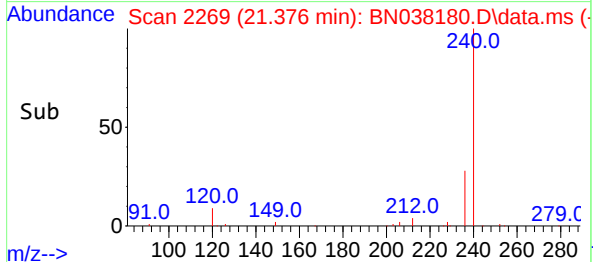
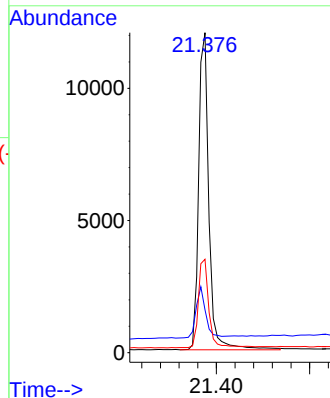
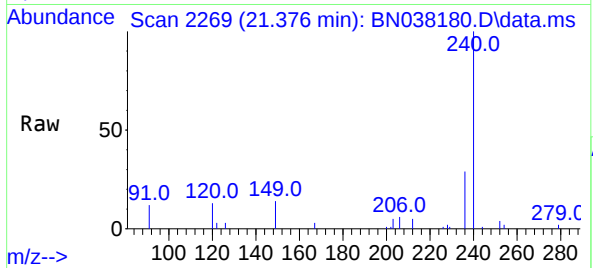
Tgt Ion:240 Resp: 18273

Ion Ratio Lower Upper

240 100

120 13.4 10.7 16.1

236 29.2 23.1 34.7



#31

Terphenyl-d14

Concen: 0.155 ng

RT: 19.819 min Scan# 2076

Delta R.T. 0.000 min

Lab File: BN038180.D

Acq: 10 Nov 2025 13:52

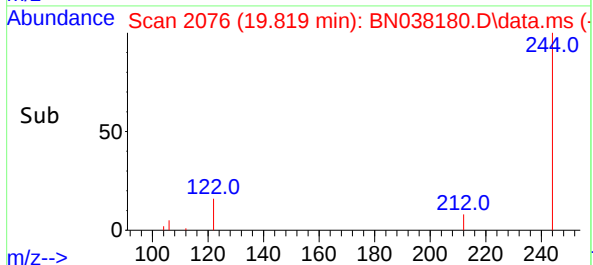
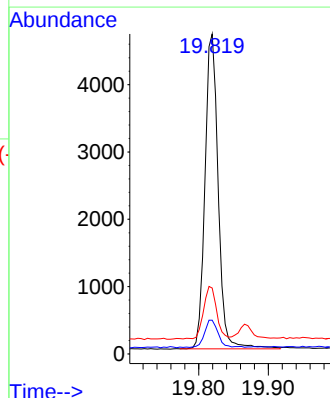
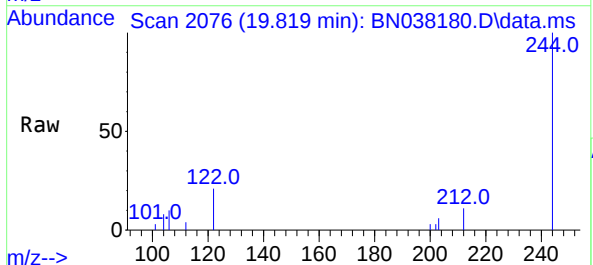
Tgt Ion:244 Resp: 6164

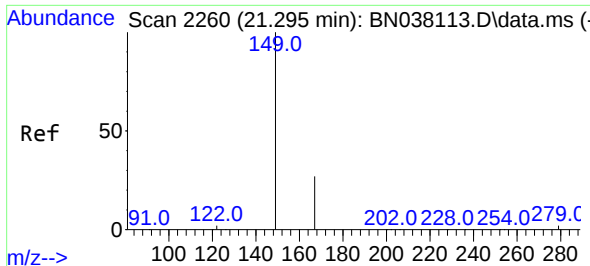
Ion Ratio Lower Upper

244 100

212 10.5 7.8 11.6

122 20.6 15.2 22.8

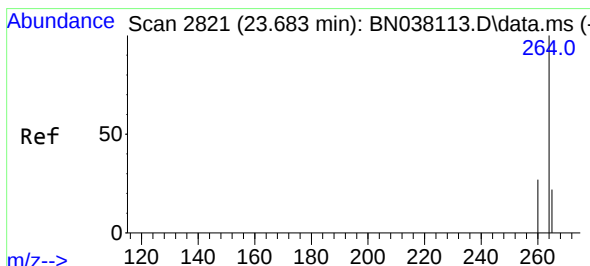
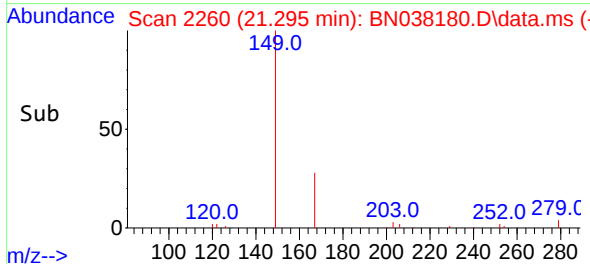
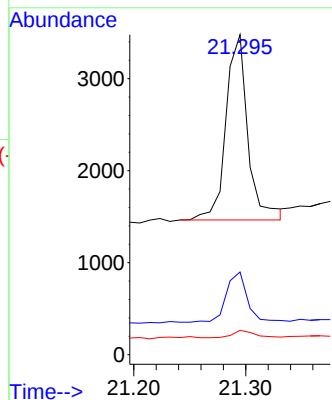
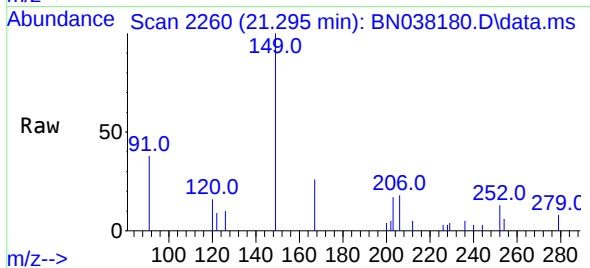




#34
Bis(2-ethylhexyl)phthalate
Concen: 0.080 ng
RT: 21.295 min Scan# 21
Delta R.T. 0.000 min
Lab File: BN038180.D
Acq: 10 Nov 2025 13:52

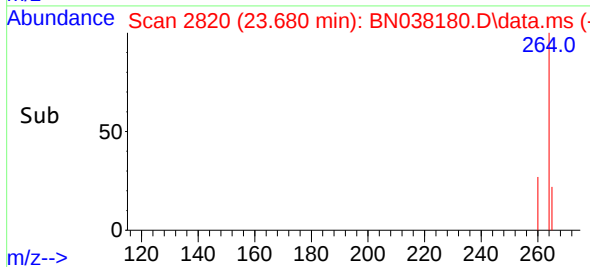
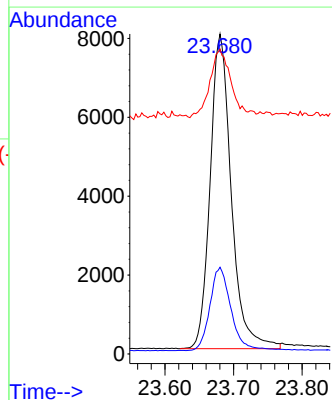
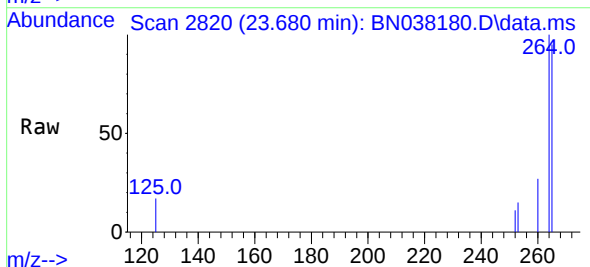
Instrument :
BNA_N
ClientSampleId :
MW-8DL

Tgt Ion:149 Resp: 2745
Ion Ratio Lower Upper
149 100
167 26.1 21.1 31.7
279 4.1 2.9 4.3



#35
Perylene-d12
Concen: 0.400 ng
RT: 23.680 min Scan# 2820
Delta R.T. 0.000 min
Lab File: BN038180.D
Acq: 10 Nov 2025 13:52

Tgt Ion:264 Resp: 17133
Ion Ratio Lower Upper
264 100
260 27.1 21.8 32.8
265 95.3 68.6 102.8



Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN110725\
 Data File : BN038154.D
 Acq On : 07 Nov 2025 14:56
 Operator : RC/JU
 Sample : Q3552-03
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 MW-9

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 11/10/2025
 Supervised By :Jagrut Upadhyay 11/10/2025

Quant Time: Nov 07 15:20:30 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN102825.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Oct 29 13:09:46 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.775	152	10349	0.400	ng	0.00
7) Naphthalene-d8	10.573	136	33209	0.400	ng	# 0.00
13) Acenaphthene-d10	14.430	164	28422	0.400	ng	# 0.00
19) Phenanthrene-d10	17.186	188	32687	0.400	ng	# 0.00
29) Chrysene-d12	21.375	240	18523	0.400	ng	# 0.00
35) Perylene-d12	23.686	264	19674	0.400	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.341	112	6307	0.259	ng	0.00
5) Phenol-d6	6.937	99	3612	0.122	ng	0.00
8) Nitrobenzene-d5	8.929	82	10645	0.397	ng	0.00
11) 2-Methylnaphthalene-d10	12.172	152	16944m	0.357	ng	0.00
14) 2,4,6-Tribromophenol	15.932	330	4153	0.355	ng	0.00
15) 2-Fluorobiphenyl	13.051	172	33737	0.296	ng	0.00
27) Fluoranthene-d10	19.220	212	25672	0.311	ng	0.00
31) Terphenyl-d14	19.819	244	19990	0.497	ng	0.00
Target Compounds						
2) 1,4-Dioxane	3.247	88	212427	19.866	ng	Qvalue 98
9) Naphthalene	10.626	128	42267	0.462	ng	95
12) 2-Methylnaphthalene	12.248	142	20799	0.341	ng	# 92
17) Acenaphthene	14.495	154	13254	0.147	ng	# 84
18) Fluorene	15.489	166	24796	0.210	ng	# 12
24) Pentachlorophenol	16.838	266	225	0.021	ng	# 82
25) Phenanthrene	17.223	178	14514m	0.140	ng	96
26) Anthracene	17.322	178	18419	0.203	ng	96
28) Fluoranthene	19.253	202	6074	0.052	ng	# 82
30) Pyrene	19.615	202	6838	0.082	ng	# 81
34) Bis(2-ethylhexyl)phtha...	21.295	149	19583	0.563	ng	# 86

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

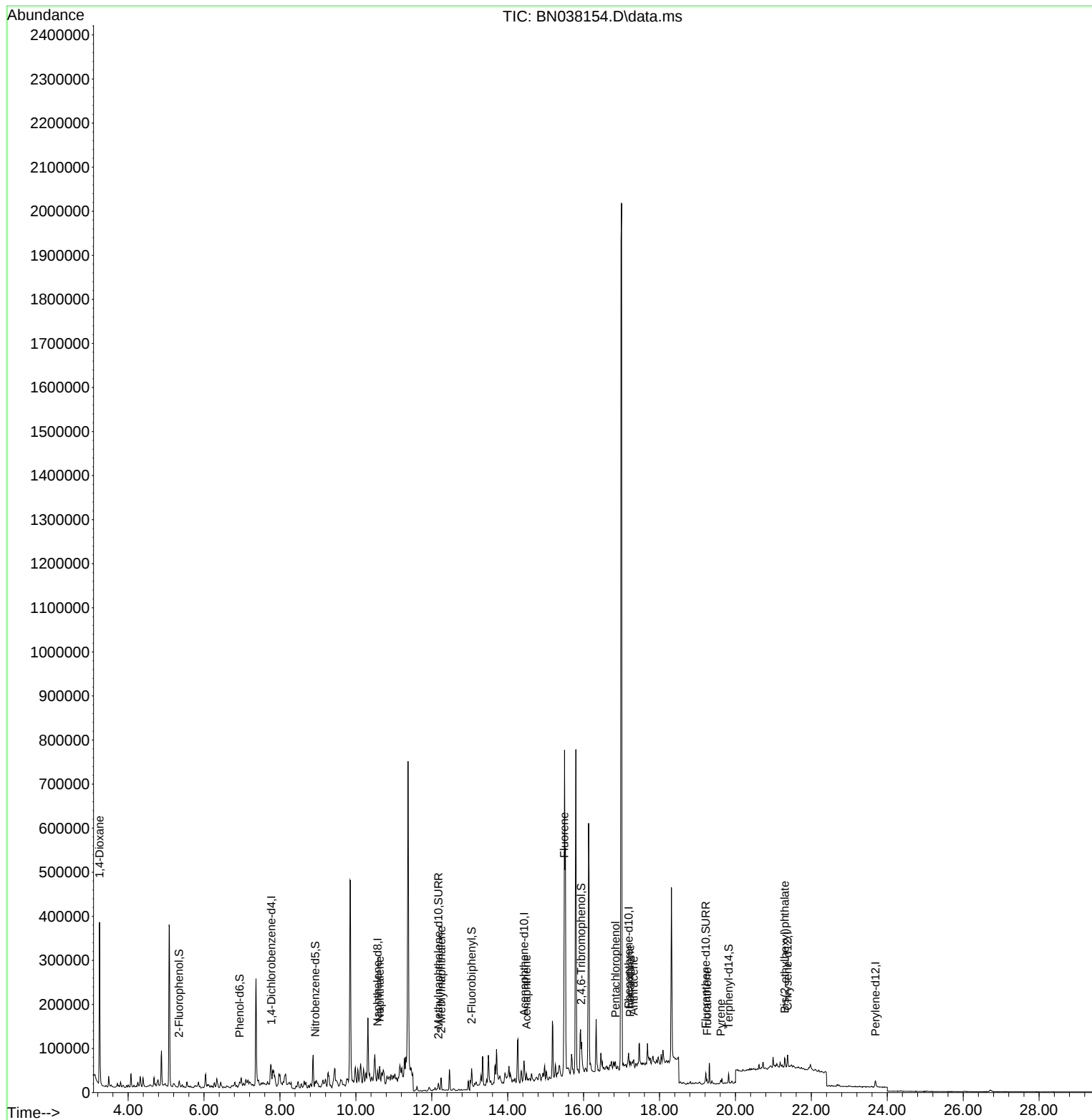
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN110725\
Data File : BN038154.D
Acq On : 07 Nov 2025 14:56
Operator : RC/JU
Sample : Q3552-03
Misc :
ALS Vial : 9 Sample Multiplier: 1

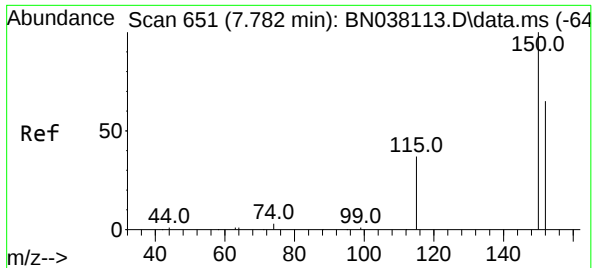
Instrument :
BNA_N
ClientSampleId :
MW-9

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 11/10/2025
Supervised By :Jagrut Upadhyay 11/10/2025

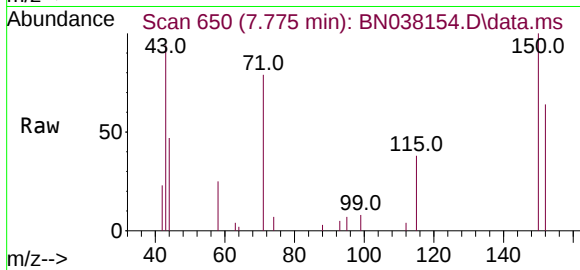
Quant Time: Nov 07 15:20:30 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN102825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Oct 29 13:09:46 2025
Response via : Initial Calibration





#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.775 min Scan# 61
Delta R.T. 0.000 min
Lab File: BN038154.D
Acq: 07 Nov 2025 14:56

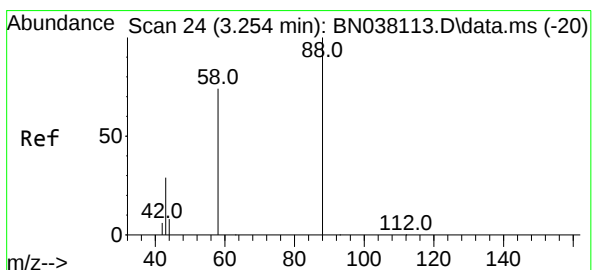
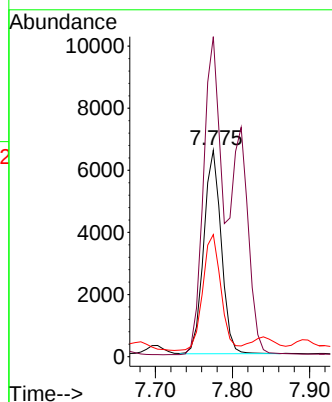
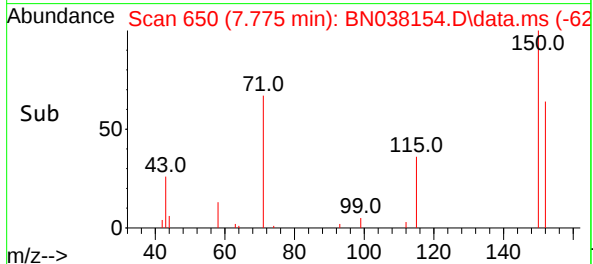
Instrument :
BNA_N
ClientSampleId :
MW-9



Tgt Ion: 152 Resp: 10349
Ion Ratio Lower Upper
152 100
150 155.1 122.3 183.5
115 59.1 47.4 71.0

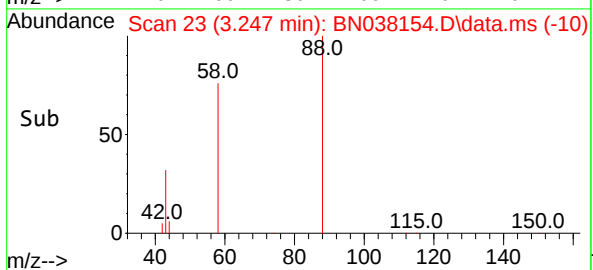
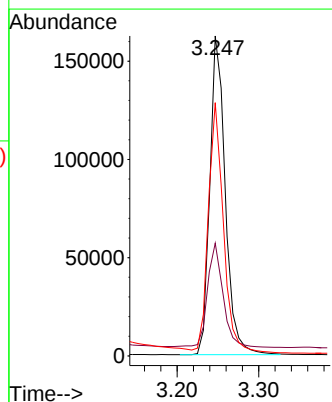
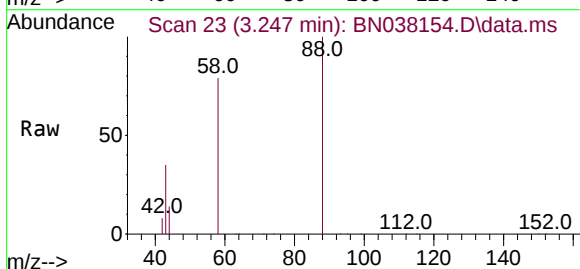
Manual Integrations
APPROVED

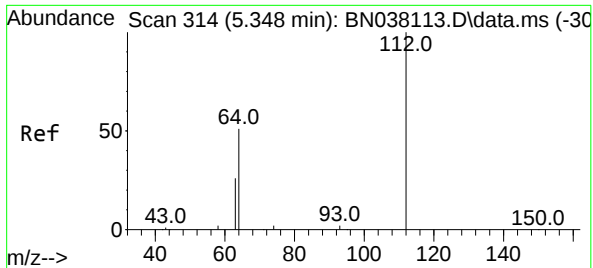
Reviewed By :Rahul Chavli 11/10/2025
Supervised By :Jagrut Upadhyay 11/10/2025



#2
1,4-Dioxane
Concen: 19.866 ng
RT: 3.247 min Scan# 23
Delta R.T. -0.007 min
Lab File: BN038154.D
Acq: 07 Nov 2025 14:56

Tgt Ion: 88 Resp: 212427
Ion Ratio Lower Upper
88 100
43 33.2 24.3 36.5
58 76.6 60.4 90.6





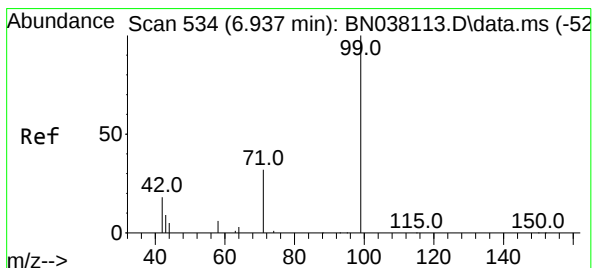
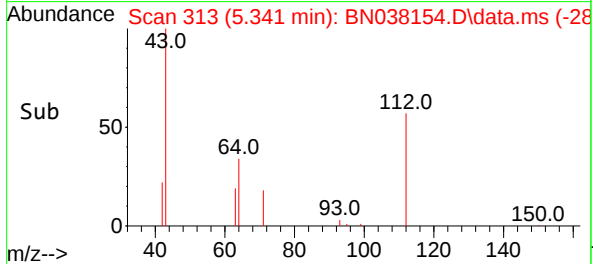
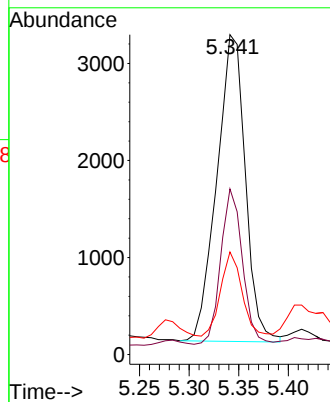
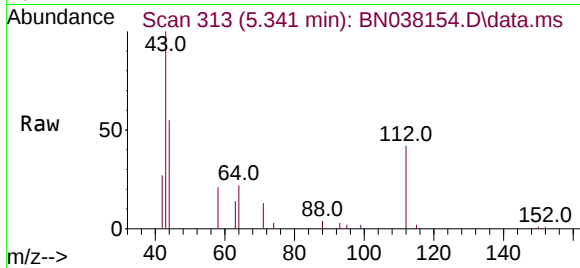
#4
2-Fluorophenol
Concen: 0.259 ng
RT: 5.341 min Scan# 314
Delta R.T. -0.007 min
Lab File: BN038154.D
Acq: 07 Nov 2025 14:56

Instrument :
BNA_N
ClientSampleId :
MW-9

Tgt Ion:112 Resp: 6307
Ion Ratio Lower Upper
112 100
64 39.3 45.4 68.0#
63 21.9 23.2 34.8#

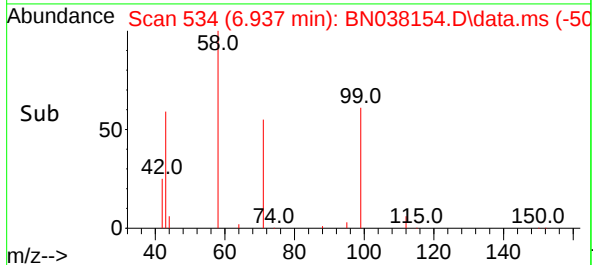
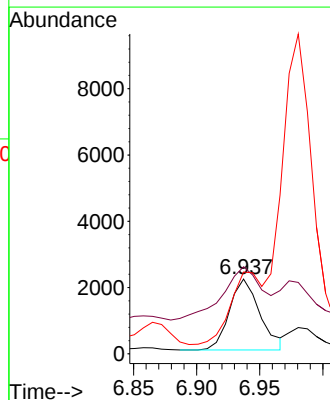
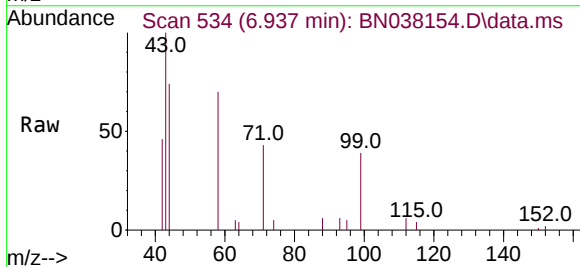
Manual Integrations
APPROVED

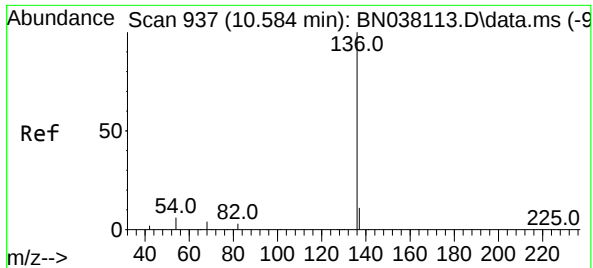
Reviewed By :Rahul Chavli 11/10/2025
Supervised By :Jagrut Upadhyay 11/10/2025



#5
Phenol-d6
Concen: 0.122 ng
RT: 6.937 min Scan# 534
Delta R.T. 0.000 min
Lab File: BN038154.D
Acq: 07 Nov 2025 14:56

Tgt Ion: 99 Resp: 3612
Ion Ratio Lower Upper
99 100
42 97.3 16.6 24.8#
71 0.0 25.4 38.2#





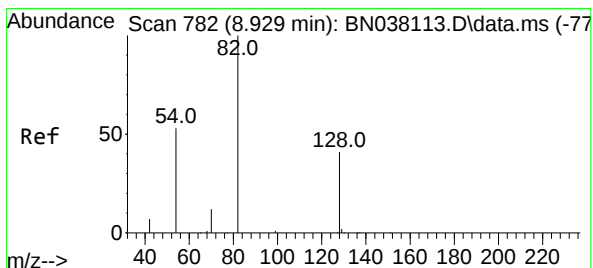
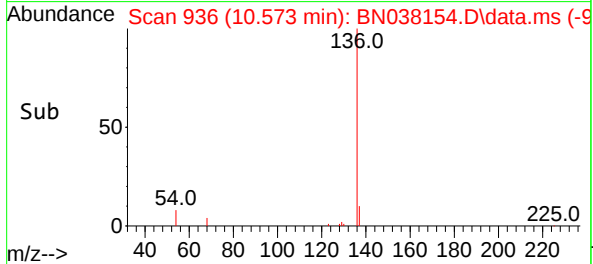
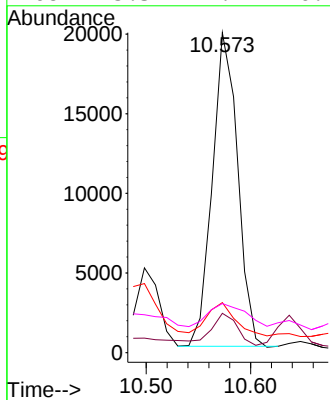
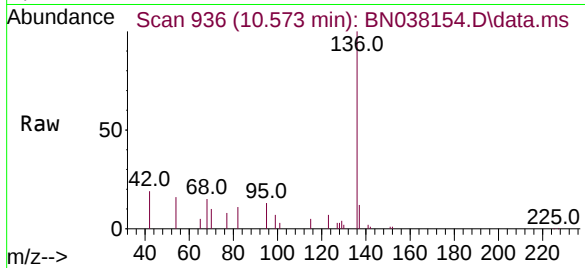
#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.573 min Scan# 937
Delta R.T. 0.000 min
Lab File: BN038154.D
Acq: 07 Nov 2025 14:56

Instrument :
BNA_N
ClientSampleId :
MW-9

Tgt Ion: 136 Resp: 33209
Ion Ratio Lower Upper
136 100
137 12.3 9.0 13.4
54 15.6 5.2 7.8
68 15.3 4.1 6.1

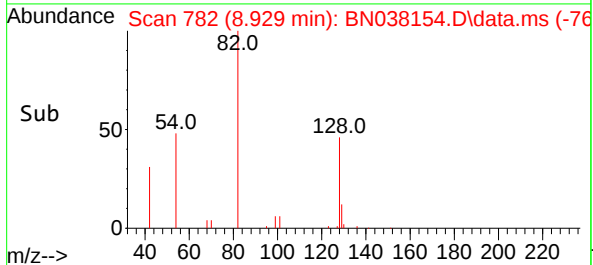
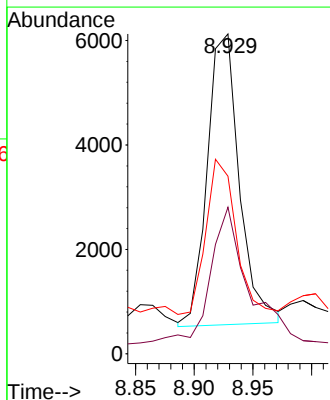
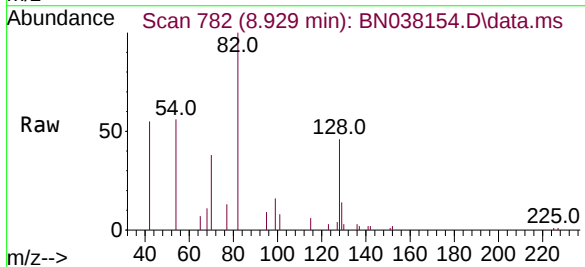
Manual Integrations
APPROVED

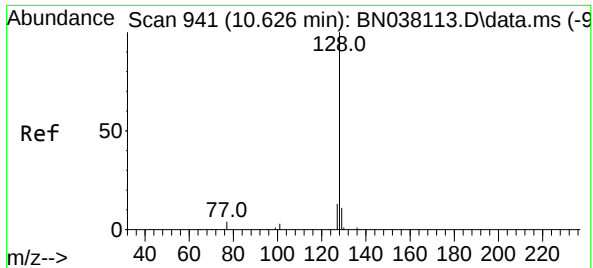
Reviewed By :Rahul Chavli 11/10/2025
Supervised By :Jagrut Upadhyay 11/10/2025



#8
Nitrobenzene-d5
Concen: 0.397 ng
RT: 8.929 min Scan# 782
Delta R.T. 0.000 min
Lab File: BN038154.D
Acq: 07 Nov 2025 14:56

Tgt Ion: 82 Resp: 10645
Ion Ratio Lower Upper
82 100
128 45.8 34.1 51.1
54 55.5 43.5 65.3





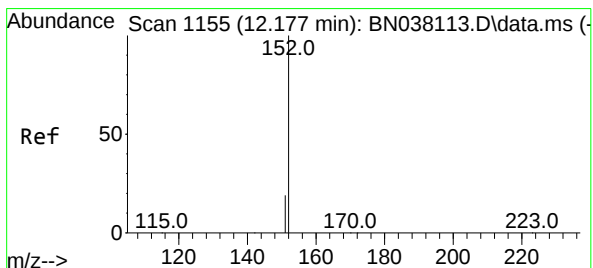
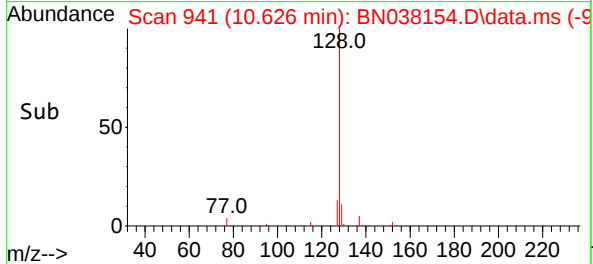
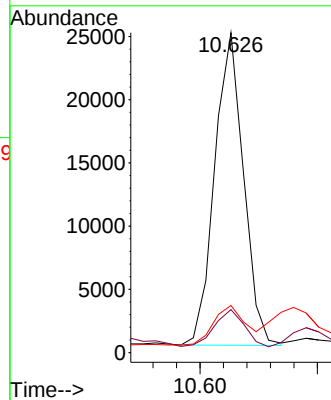
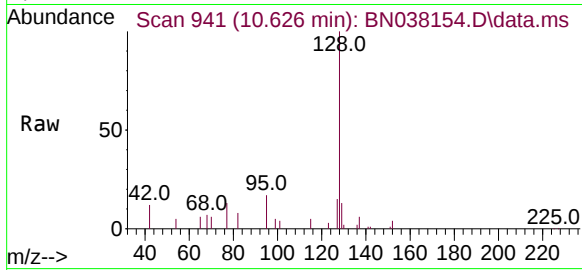
#9
Naphthalene
Concen: 0.462 ng
RT: 10.626 min Scan# 941
Delta R.T. 0.000 min
Lab File: BN038154.D
Acq: 07 Nov 2025 14:56

Instrument :
BNA_N
ClientSampleId :
MW-9

Tgt Ion:128 Resp: 4226
Ion Ratio Lower Upper
128 100
129 13.4 9.1 13.7
127 14.7 10.5 15.7

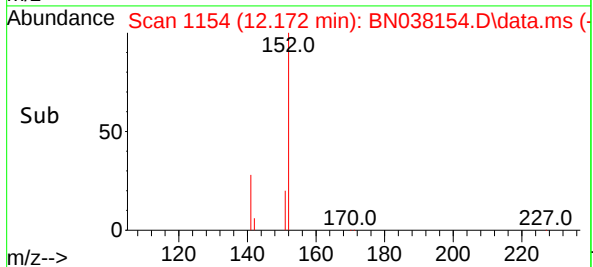
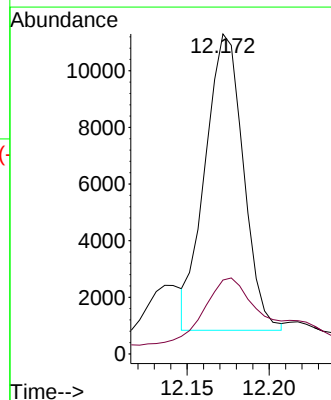
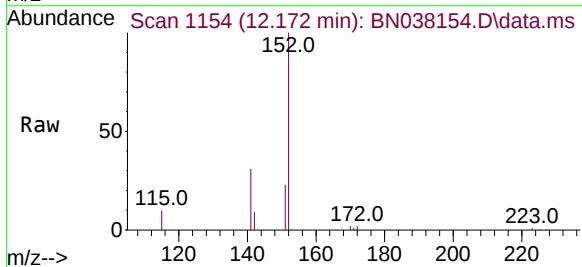
Manual Integrations
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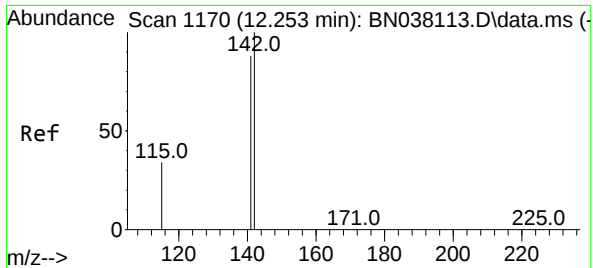
Reviewed By :Rahul Chavli 11/10/2025
Supervised By :Jagrut Upadhyay 11/10/2025



#11
2-Methylnaphthalene-d10
Concen: 0.357 ng m
RT: 12.172 min Scan# 1154
Delta R.T. -0.005 min
Lab File: BN038154.D
Acq: 07 Nov 2025 14:56

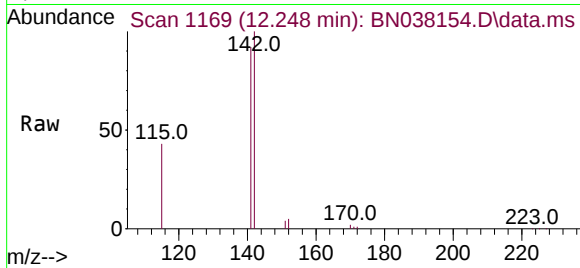
Tgt Ion:152 Resp: 16944
Ion Ratio Lower Upper
152 100
151 42.1 16.8 25.2#





#12
2-Methylnaphthalene
Concen: 0.341 ng
RT: 12.248 min Scan# 1169
Delta R.T. 0.000 min
Lab File: BN038154.D
Acq: 07 Nov 2025 14:56

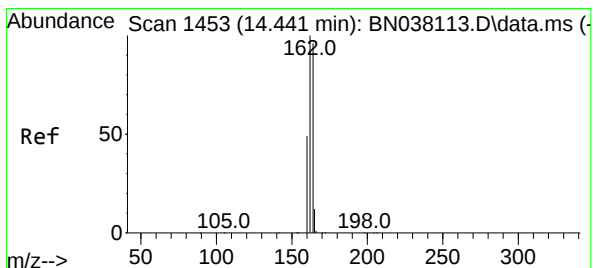
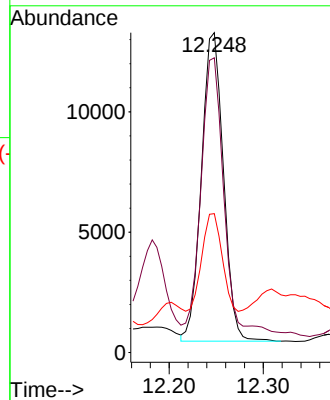
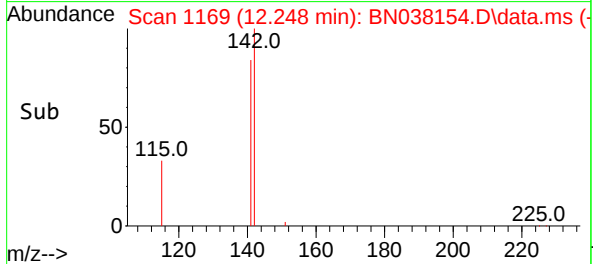
Instrument :
BNA_N
ClientSampleId :
MW-9



Tgt Ion:142 Resp: 20799
Ion Ratio Lower Upper
142 100
141 92.1 70.3 105.5
115 43.4 27.8 41.6

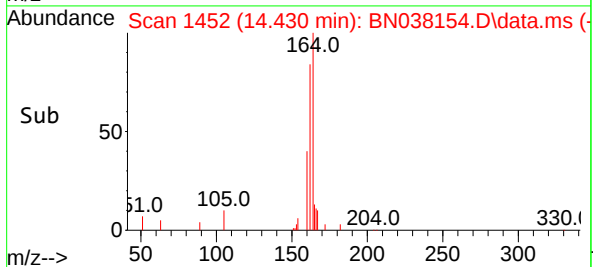
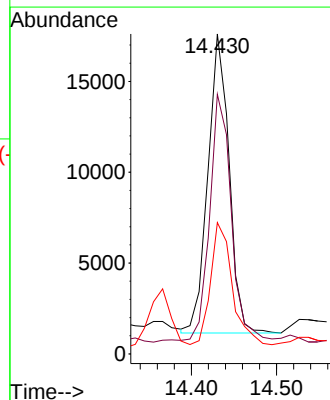
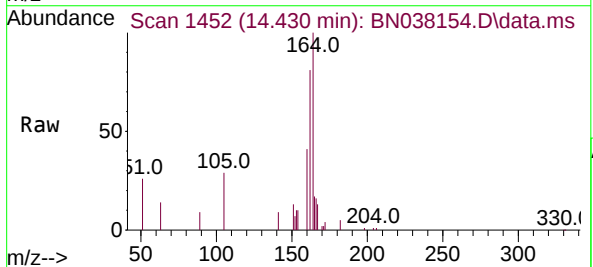
Manual Integrations
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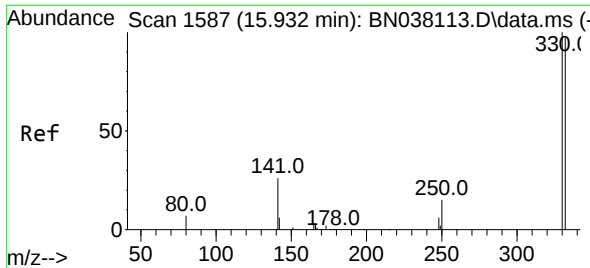
Reviewed By :Rahul Chavli 11/10/2025
Supervised By :Jagrut Upadhyay 11/10/2025



#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.430 min Scan# 1452
Delta R.T. 0.000 min
Lab File: BN038154.D
Acq: 07 Nov 2025 14:56

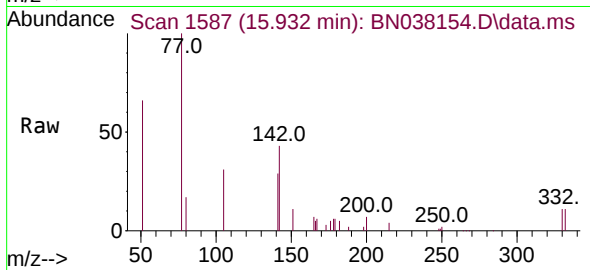
Tgt Ion:164 Resp: 28422
Ion Ratio Lower Upper
164 100
162 81.1 83.0 124.4#
160 41.0 40.7 61.1





#14
2,4,6-Tribromophenol
Concen: 0.355 ng
RT: 15.932 min Scan# 11
Delta R.T. 0.000 min
Lab File: BN038154.D
Acq: 07 Nov 2025 14:56

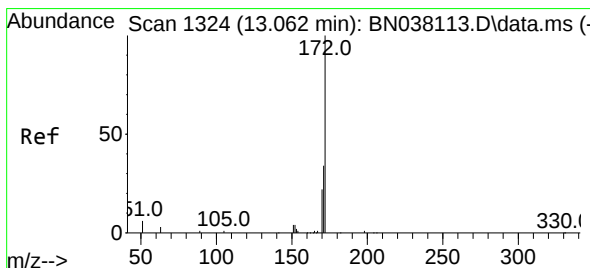
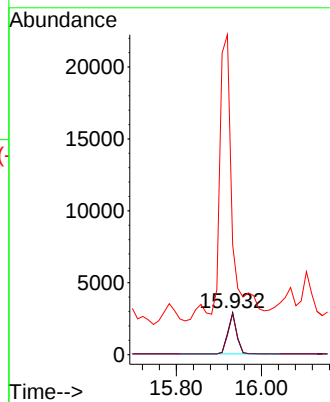
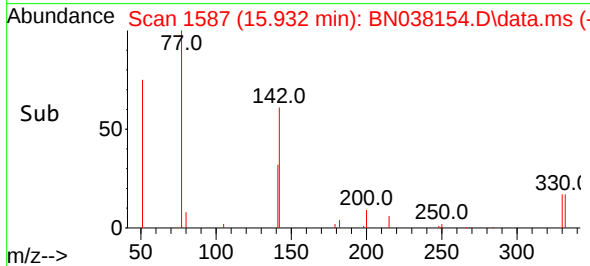
Instrument :
BNA_N
ClientSampleId :
MW-9



Tgt Ion: 330 Resp: 415
Ion Ratio Lower Upper
330 100
332 97.8 76.6 114.8
141 910.5 34.1 51.1

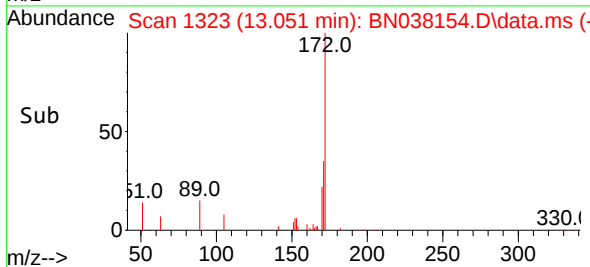
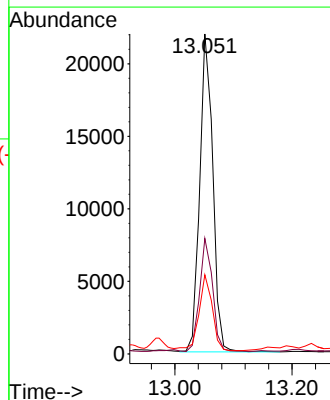
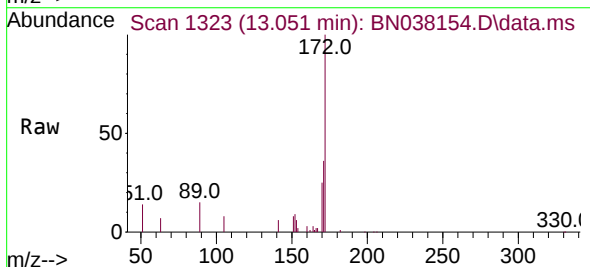
Manual Integrations
APPROVED

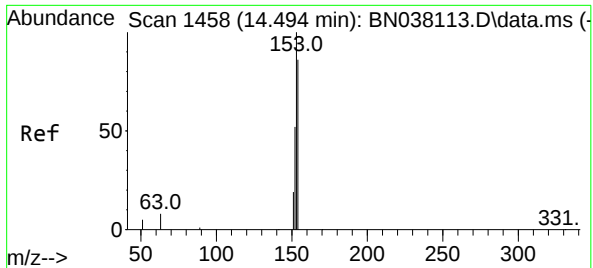
Reviewed By :Rahul Chavli 11/10/2025
Supervised By :Jagrut Upadhyay 11/10/2025



#15
2-Fluorobiphenyl
Concen: 0.296 ng
RT: 13.051 min Scan# 1323
Delta R.T. 0.000 min
Lab File: BN038154.D
Acq: 07 Nov 2025 14:56

Tgt Ion: 172 Resp: 33737
Ion Ratio Lower Upper
172 100
171 36.1 27.8 41.6
170 24.7 18.1 27.1





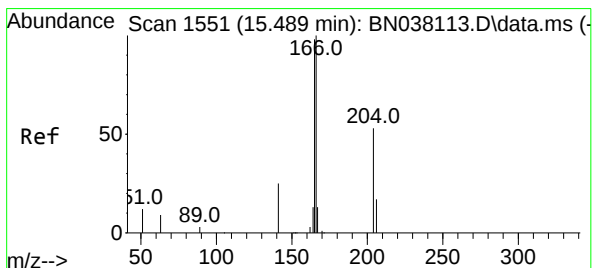
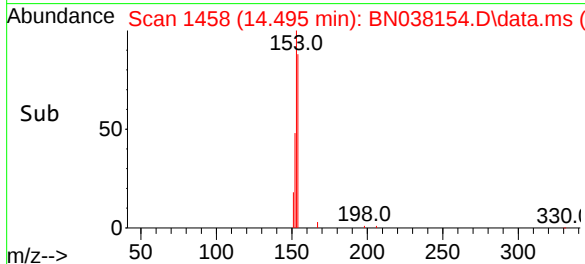
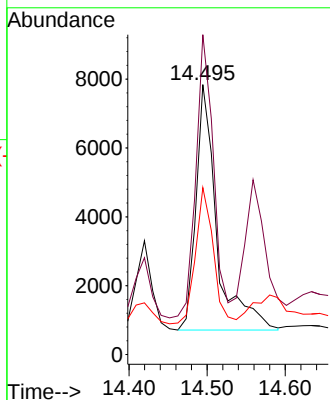
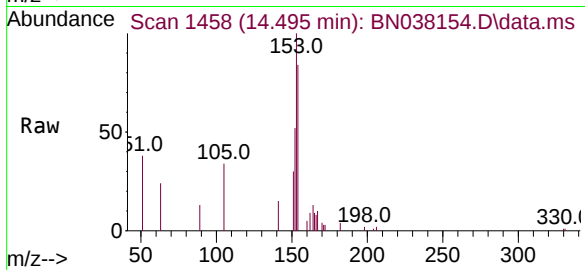
#17
Acenaphthene
Concen: 0.147 ng
RT: 14.495 min Scan# 1458
Delta R.T. 0.000 min
Lab File: BN038154.D
Acq: 07 Nov 2025 14:56

Instrument :
BNA_N
ClientSampleId :
MW-9

Tgt Ion:154 Resp: 13254
Ion Ratio Lower Upper
154 100
153 95.7 90.0 135.0
152 46.9 47.3 70.9

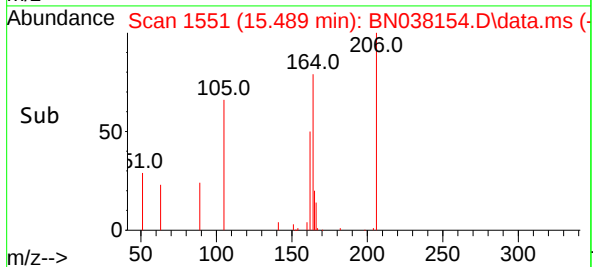
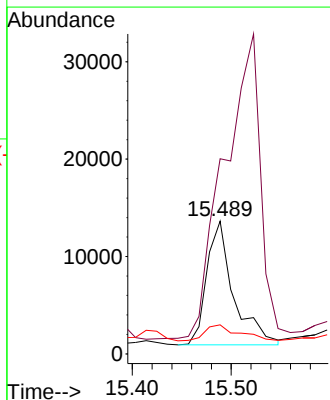
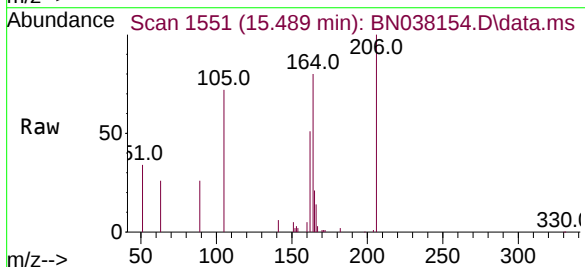
Manual Integrations
APPROVED

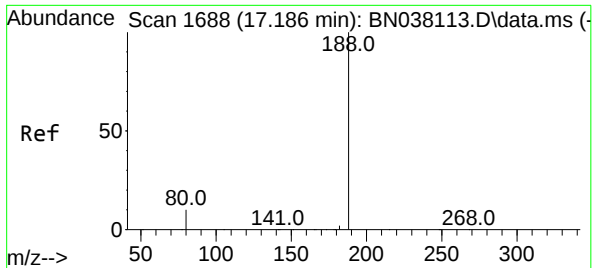
Reviewed By :Rahul Chavli 11/10/2025
Supervised By :Jagrut Upadhyay 11/10/2025



#18
Fluorene
Concen: 0.210 ng
RT: 15.489 min Scan# 1551
Delta R.T. -0.000 min
Lab File: BN038154.D
Acq: 07 Nov 2025 14:56

Tgt Ion:166 Resp: 24796
Ion Ratio Lower Upper
166 100
165 0.0 79.0 118.4#
167 16.1 10.7 16.1#





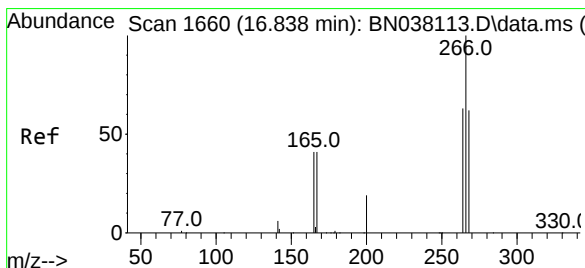
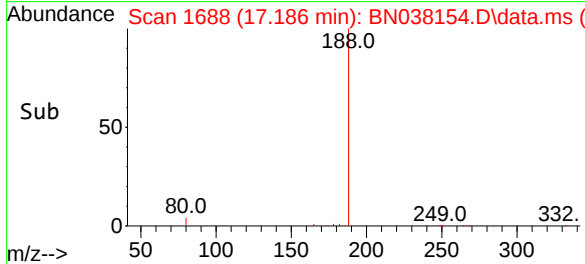
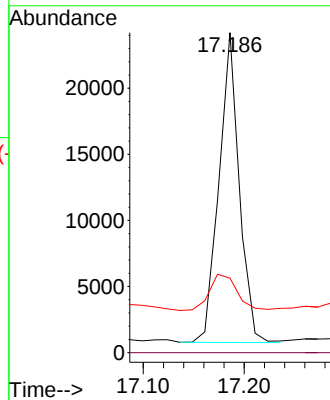
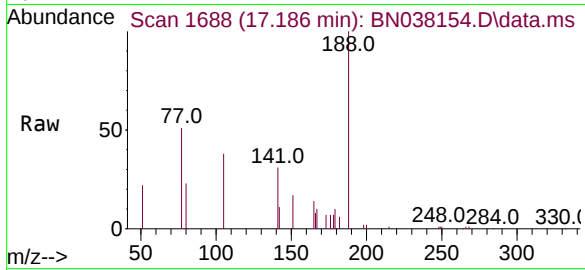
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.186 min Scan# 1688
Delta R.T. 0.000 min
Lab File: BN038154.D
Acq: 07 Nov 2025 14:56

Instrument :
BNA_N
ClientSampleId :
MW-9

Tgt Ion:188 Resp: 3268
Ion Ratio Lower Upper
188 100
94 0.0 0.0 0.0
80 23.3 8.6 13.0

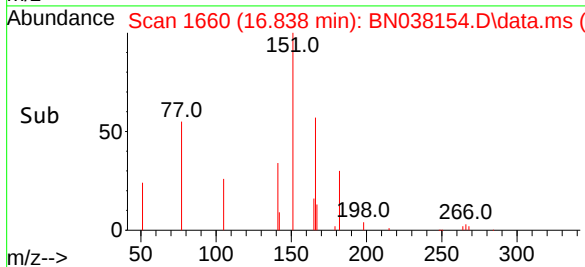
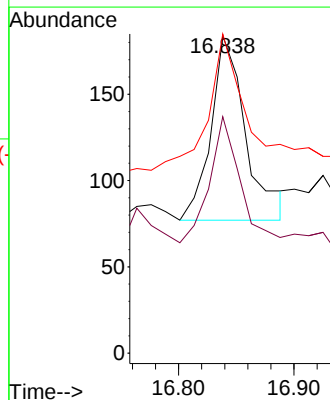
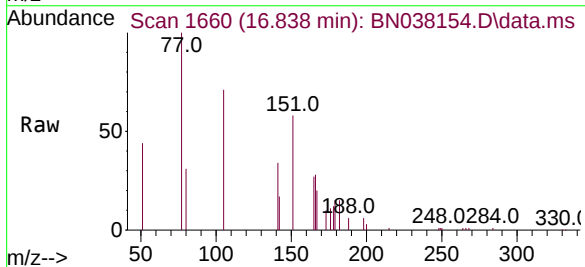
Manual Integrations
APPROVED

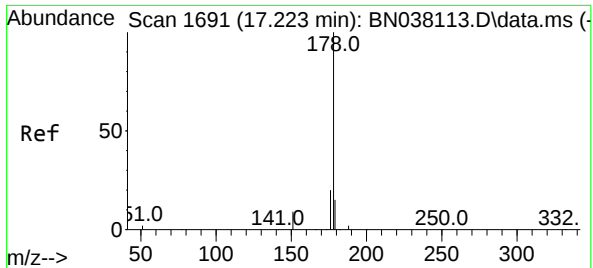
Reviewed By :Rahul Chavli 11/10/2025
Supervised By :Jagrut Upadhyay 11/10/2025



#24
Pentachlorophenol
Concen: 0.021 ng
RT: 16.838 min Scan# 1660
Delta R.T. 0.000 min
Lab File: BN038154.D
Acq: 07 Nov 2025 14:56

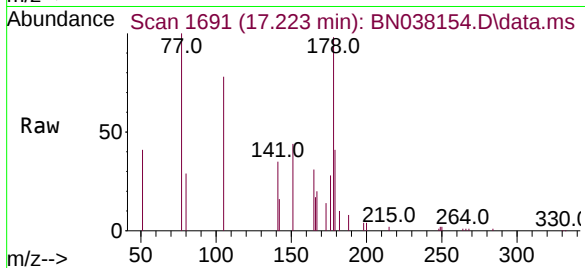
Tgt Ion:266 Resp: 225
Ion Ratio Lower Upper
266 100
264 59.1 49.3 73.9
268 88.0 50.6 75.8





#25
Phenanthrene
Concen: 0.140 ng m
RT: 17.223 min Scan# 1691
Delta R.T. 0.000 min
Lab File: BN038154.D
Acq: 07 Nov 2025 14:56

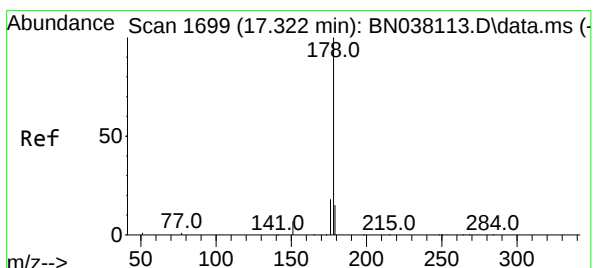
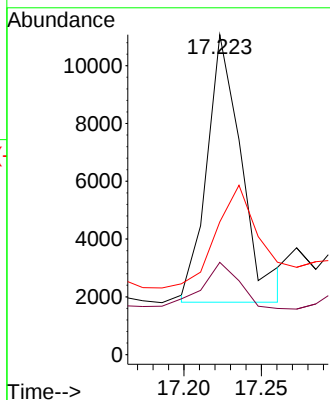
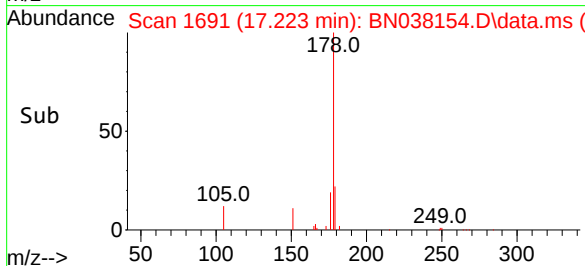
Instrument :
BNA_N
ClientSampleId :
MW-9



Tgt Ion:178 Resp: 14514
Ion Ratio Lower Upper
178 100
176 27.9 15.5 23.3
179 20.7 12.2 18.4

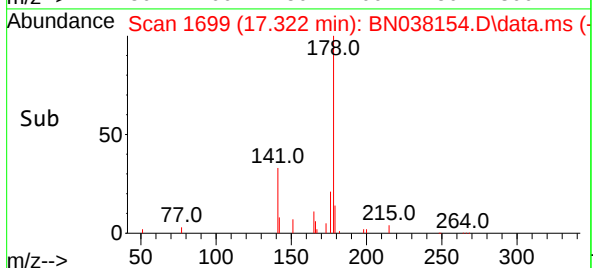
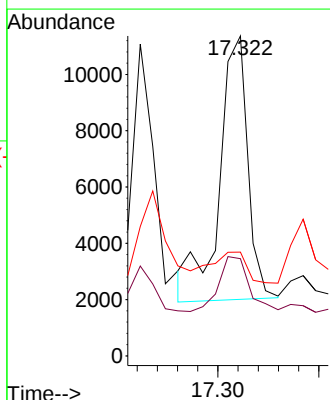
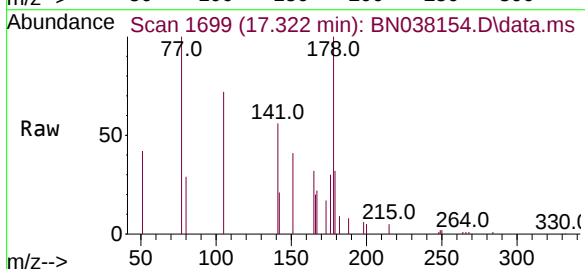
Manual Integrations
APPROVED

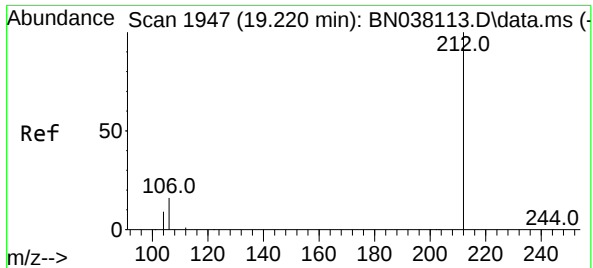
Reviewed By :Rahul Chavli 11/10/2025
Supervised By :Jagrut Upadhyay 11/10/2025



#26
Anthracene
Concen: 0.203 ng
RT: 17.322 min Scan# 1699
Delta R.T. 0.000 min
Lab File: BN038154.D
Acq: 07 Nov 2025 14:56

Tgt Ion:178 Resp: 18419
Ion Ratio Lower Upper
178 100
176 22.0 14.9 22.3
179 14.7 11.8 17.8





#27

Fluoranthene-d10

Concen: 0.311 ng

RT: 19.220 min Scan# 1947

Delta R.T. 0.000 min

Lab File: BN038154.D

Acq: 07 Nov 2025 14:56

Instrument :

BNA_N

ClientSampleId :

MW-9

Tgt Ion:212 Resp: 25672

Ion Ratio Lower Upper

212 100

106 28.5 12.6 19.0

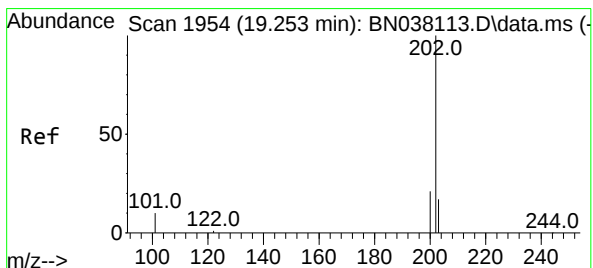
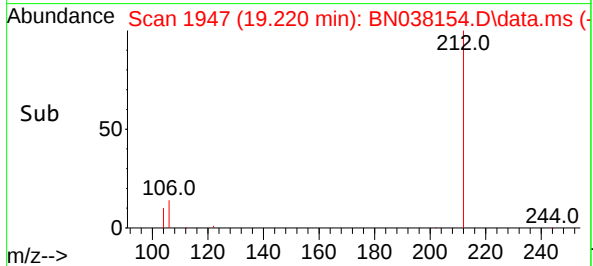
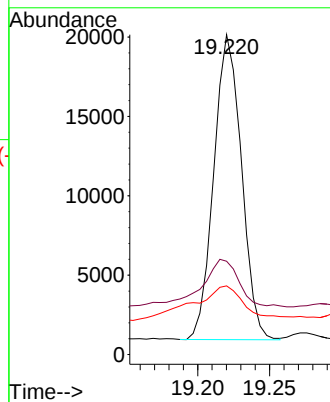
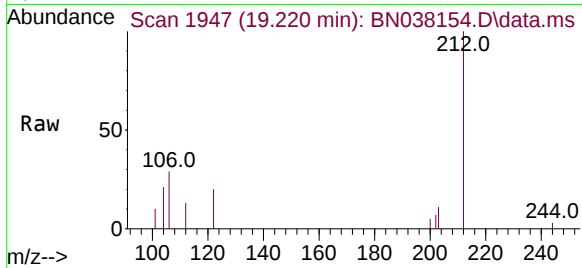
104 22.6 7.1 10.7

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 11/10/2025

Supervised By :Jagrut Upadhyay 11/10/2025



#28

Fluoranthene

Concen: 0.052 ng

RT: 19.253 min Scan# 1954

Delta R.T. 0.000 min

Lab File: BN038154.D

Acq: 07 Nov 2025 14:56

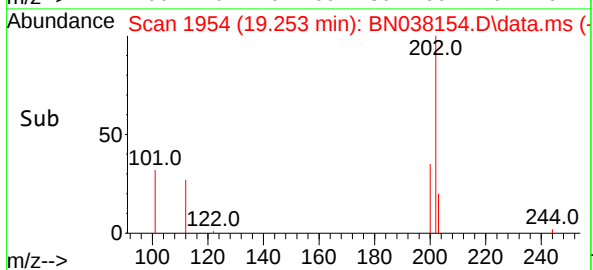
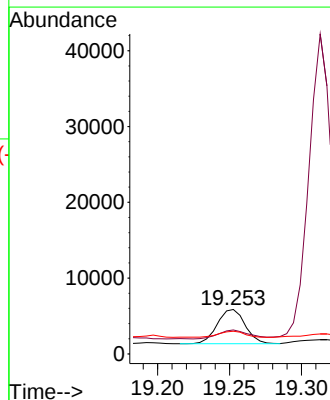
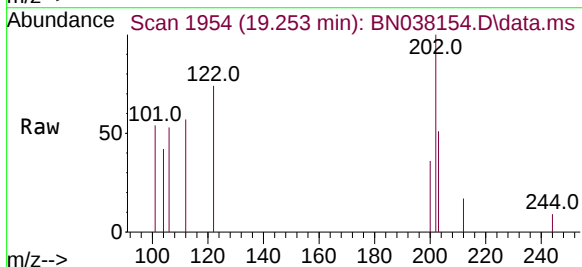
Tgt Ion:202 Resp: 6074

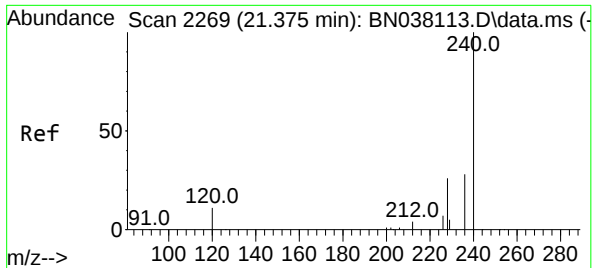
Ion Ratio Lower Upper

202 100

101 28.8 9.4 14.2

203 16.7 13.4 20.2





#29

Chrysene-d12

Concen: 0.400 ng

RT: 21.375 min Scan# 21

Delta R.T. 0.000 min

Lab File: BN038154.D

Acq: 07 Nov 2025 14:56

Instrument :

BNA_N

ClientSampleId :

MW-9

Tgt Ion:240 Resp: 18523

Ion Ratio Lower Upper

240 100

120 37.1 10.7 16.1#

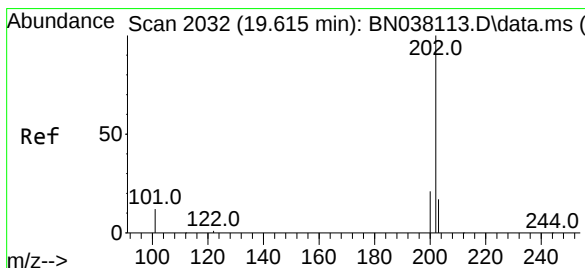
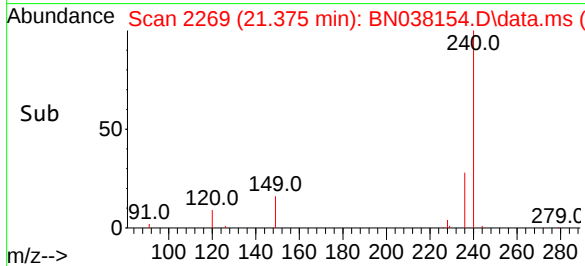
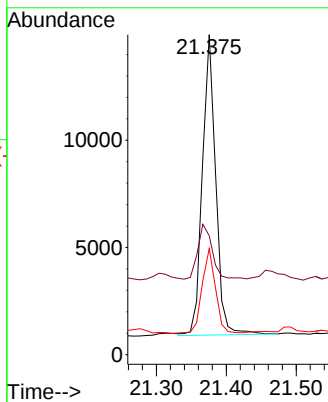
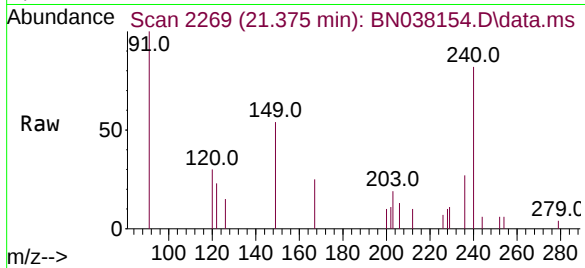
236 33.1 23.1 34.7

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 11/10/2025

Supervised By :Jagrut Upadhyay 11/10/2025



#30

Pyrene

Concen: 0.082 ng

RT: 19.615 min Scan# 2032

Delta R.T. 0.005 min

Lab File: BN038154.D

Acq: 07 Nov 2025 14:56

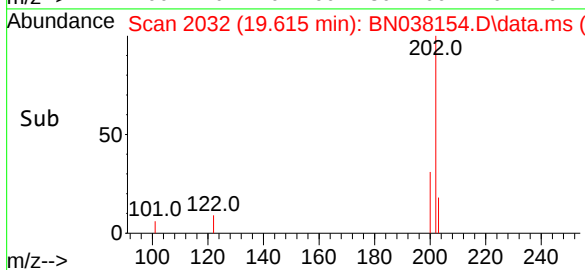
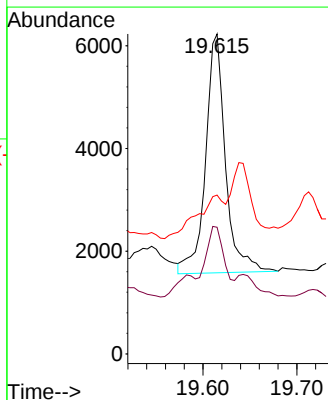
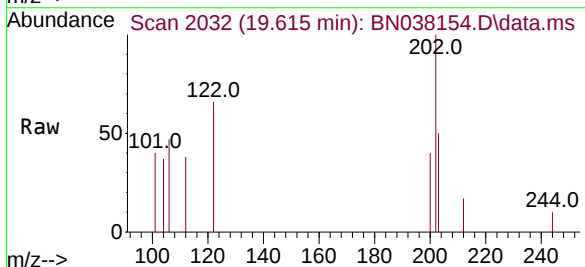
Tgt Ion:202 Resp: 6838

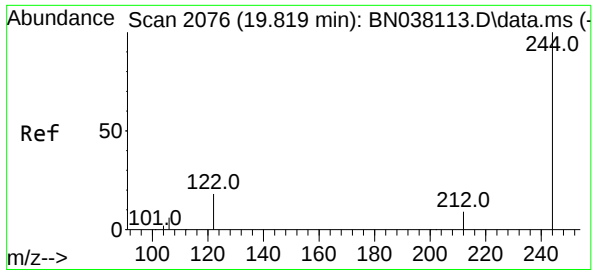
Ion Ratio Lower Upper

202 100

200 29.5 16.7 25.1#

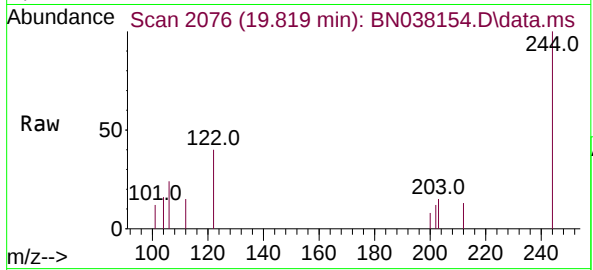
203 26.0 14.2 21.2#





#31
Terphenyl-d14
Concen: 0.497 ng
RT: 19.819 min Scan# 2076
Delta R.T. 0.000 min
Lab File: BN038154.D
Acq: 07 Nov 2025 14:56

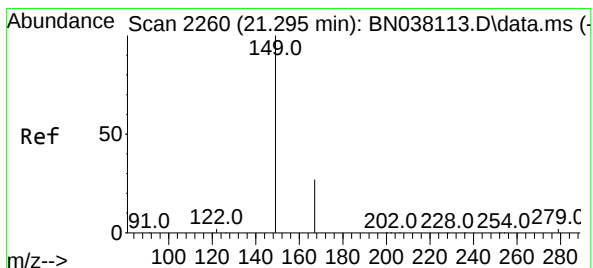
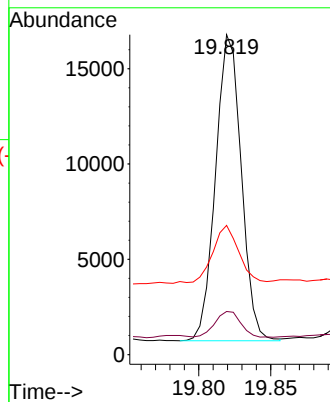
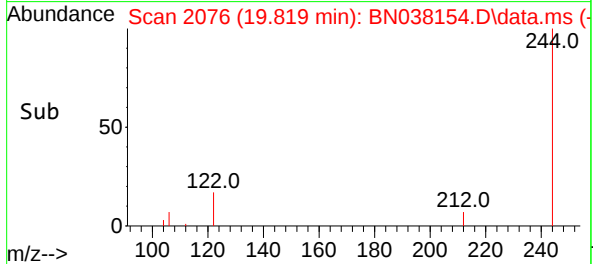
Instrument :
BNA_N
ClientSampleId :
MW-9



Tgt Ion:244 Resp: 19990
Ion Ratio Lower Upper
244 100
212 13.5 7.8 11.6
122 40.4 15.2 22.8

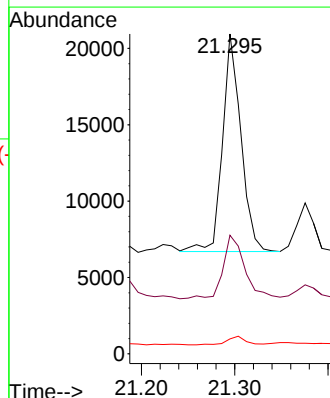
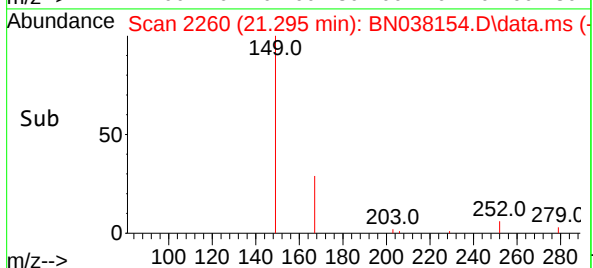
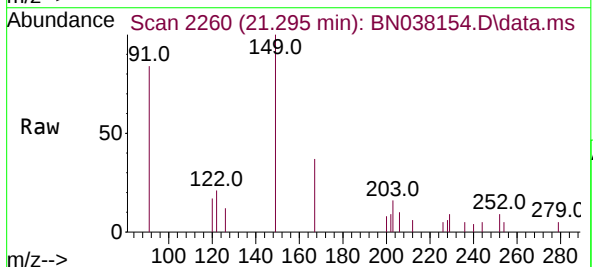
Manual Integrations
APPROVED

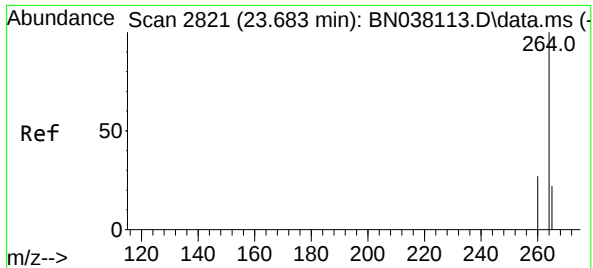
Reviewed By :Rahul Chavli 11/10/2025
Supervised By :Jagrut Upadhyay 11/10/2025



#34
Bis(2-ethylhexyl)phthalate
Concen: 0.563 ng
RT: 21.295 min Scan# 2260
Delta R.T. 0.000 min
Lab File: BN038154.D
Acq: 07 Nov 2025 14:56

Tgt Ion:149 Resp: 19583
Ion Ratio Lower Upper
149 100
167 34.3 21.1 31.7
279 4.0 2.9 4.3





#35

Perylene-d12

Concen: 0.400 ng

RT: 23.686 min Scan# 28

Delta R.T. 0.006 min

Lab File: BN038154.D

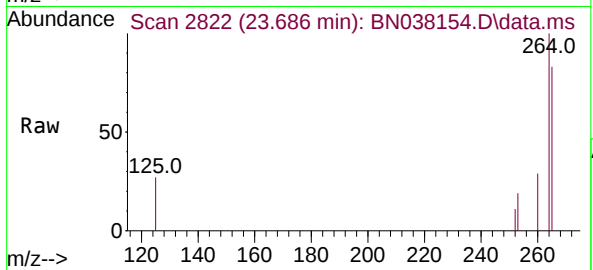
Acq: 07 Nov 2025 14:56

Instrument :

BNA_N

ClientSampleId :

MW-9



Tgt Ion:264 Resp: 19674

Ion Ratio Lower Upper

264 100

260 28.9 21.8 32.8

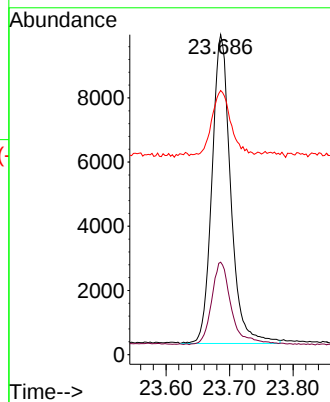
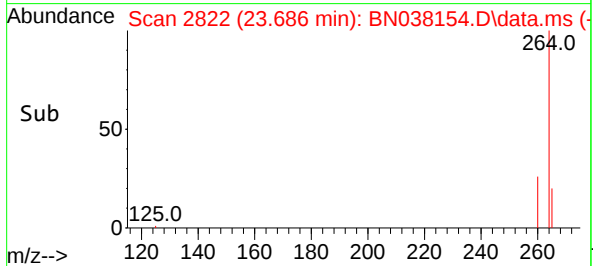
265 82.5 68.6 102.8

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 11/10/2025

Supervised By :Jagrut Upadhyay 11/10/2025



Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN111025\
 Data File : BN038179.D
 Acq On : 10 Nov 2025 13:16
 Operator : RC/JU
 Sample : Q3552-03DL 5X
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 MW-9DL

A
B
C
D
E
F
G
H
I
J
K

Quant Time: Nov 10 15:03:02 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN102825.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Oct 29 13:09:46 2025
 Response via : Initial Calibration

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

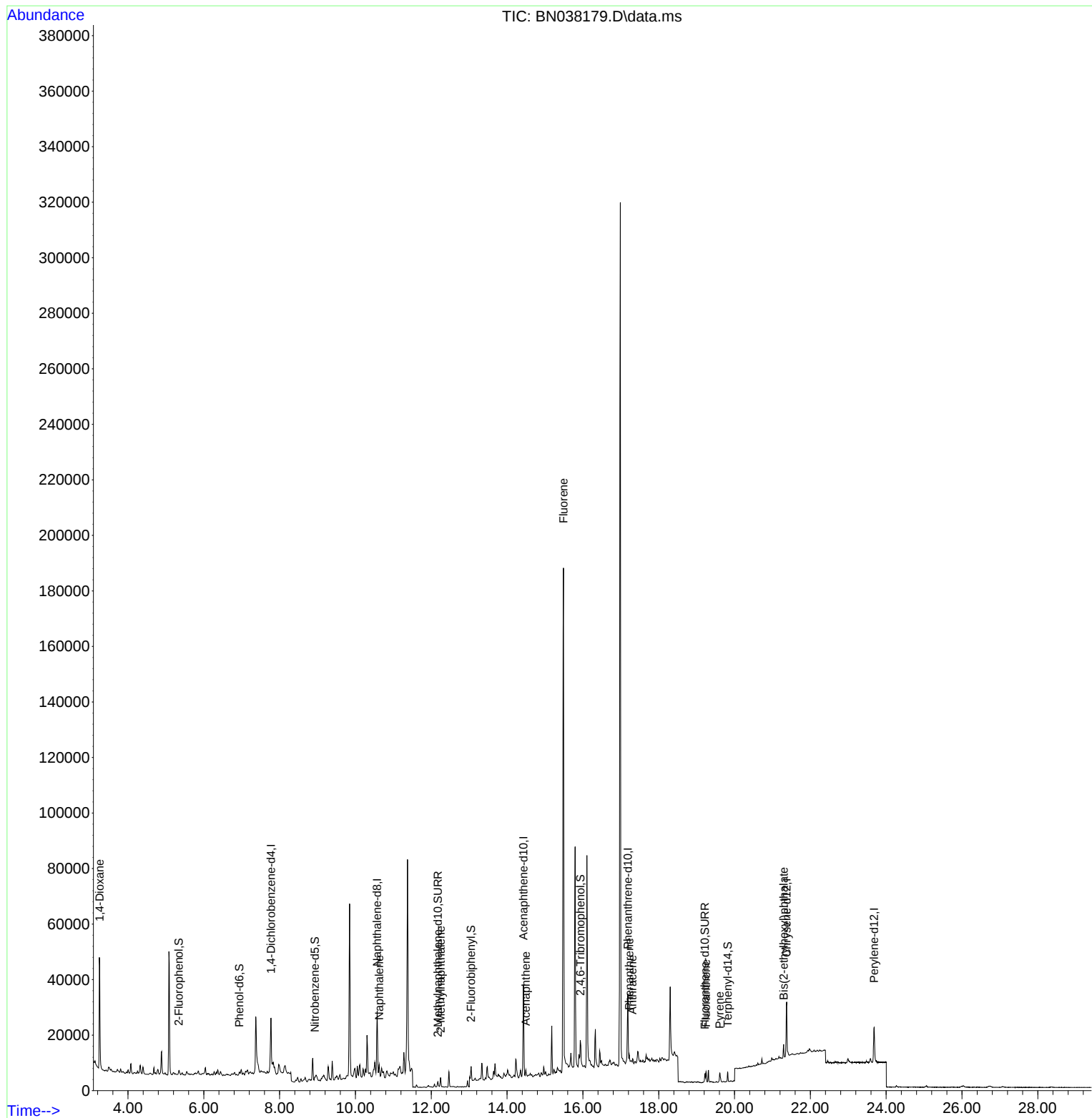
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.775	152	9073	0.400	ng	0.00
7) Naphthalene-d8	10.573	136	30875	0.400	ng	# 0.00
13) Acenaphthene-d10	14.430	164	19011	0.400	ng	0.00
19) Phenanthrene-d10	17.186	188	33058	0.400	ng	0.00
29) Chrysene-d12	21.375	240	19022	0.400	ng	0.00
35) Perylene-d12	23.683	264	17692	0.400	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.341	112	793	0.037	ng	0.00
5) Phenol-d6	6.937	99	548	0.021	ng	0.00
8) Nitrobenzene-d5	8.929	82	1297	0.052	ng	0.00
11) 2-Methylnaphthalene-d10	12.172	152	2386	0.054	ng	0.00
14) 2,4,6-Tribromophenol	15.932	330	560	0.071	ng	0.00
15) 2-Fluorobiphenyl	13.051	172	4415	0.058	ng	0.00
27) Fluoranthene-d10	19.220	212	3544	0.043	ng	0.00
31) Terphenyl-d14	19.819	244	3364	0.081	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	3.254	88	25832	2.756	ng	99
9) Naphthalene	10.626	128	5169	0.061	ng	# 88
12) 2-Methylnaphthalene	12.248	142	2609	0.046	ng	# 92
17) Acenaphthene	14.494	154	1705	0.028	ng	# 83
18) Fluorene	15.489	166	3169	0.040	ng	# 1
25) Phenanthrene	17.223	178	2937	0.028	ng	# 78
26) Anthracene	17.310	178	2091	0.023	ng	# 91
28) Fluoranthene	19.248	202	3539	0.030	ng	96
30) Pyrene	19.610	202	3213	0.037	ng	# 84
34) Bis(2-ethylhexyl)phtha...	21.295	149	4657	0.130	ng	# 99

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

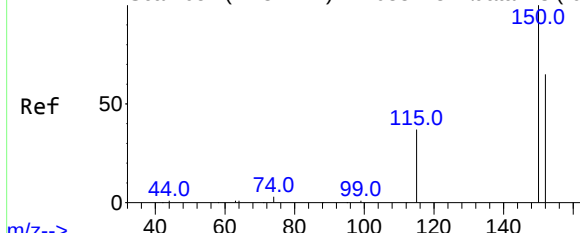
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN111025\
Data File : BN038179.D
Acq On : 10 Nov 2025 13:16
Operator : RC/JU
Sample : Q3552-03DL 5X
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
MW-9DL

Quant Time: Nov 10 15:03:02 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN102825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Oct 29 13:09:46 2025
Response via : Initial Calibration



Abundance Scan 651 (7.782 min): BN038113.D\data.ms (-64



#1

1,4-Dichlorobenzene-d4

Concen: 0.400 ng

RT: 7.775 min Scan# 61

Delta R.T. -0.000 min

Lab File: BN038179.D

Acq: 10 Nov 2025 13:16

Instrument :

BNA_N

ClientSampleId :

MW-9DL

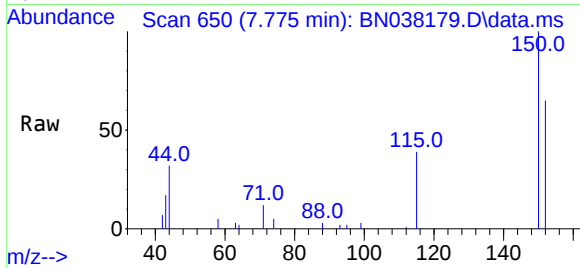
Tgt Ion:152 Resp: 9073

Ion Ratio Lower Upper

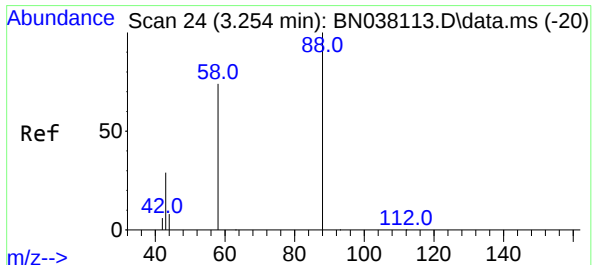
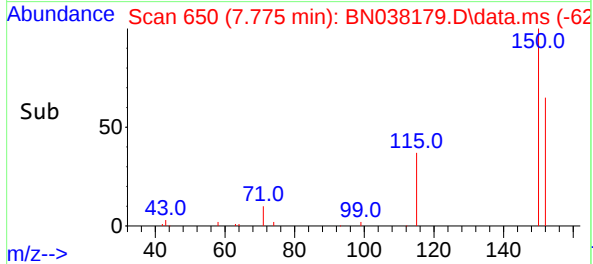
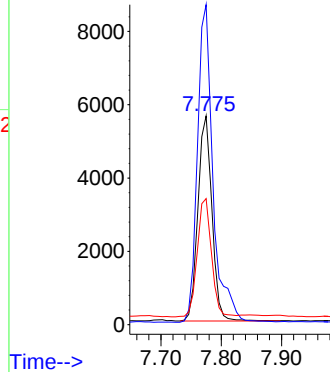
152 100

150 153.3 122.3 183.5

115 60.4 47.4 71.0



Abundance



#2

1,4-Dioxane

Concen: 2.756 ng

RT: 3.254 min Scan# 24

Delta R.T. -0.000 min

Lab File: BN038179.D

Acq: 10 Nov 2025 13:16

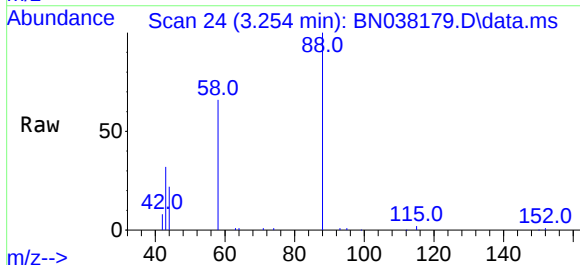
Tgt Ion: 88 Resp: 25832

Ion Ratio Lower Upper

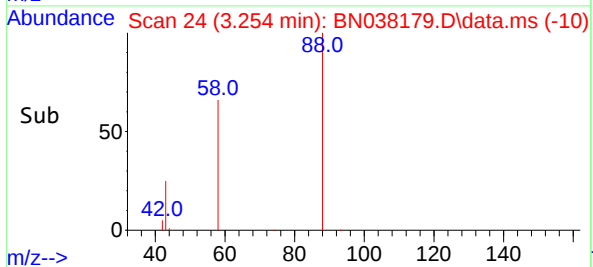
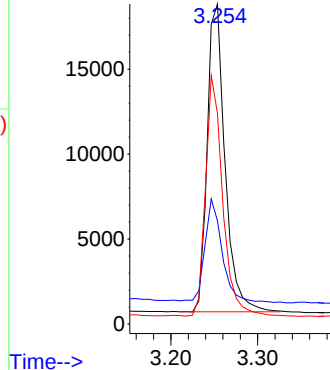
88 100

43 32.6 24.3 36.5

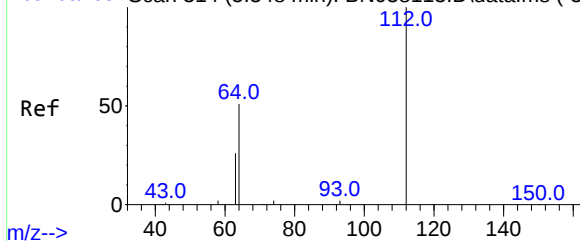
58 75.3 60.4 90.6



Abundance



Abundance Scan 314 (5.348 min): BN038113.D\data.ms (-30



#4

2-Fluorophenol

Concen: 0.037 ng

RT: 5.341 min Scan# 314

Delta R.T. -0.007 min

Lab File: BN038179.D

Acq: 10 Nov 2025 13:16

Instrument :

BNA_N

ClientSampleId :

MW-9DL

Tgt Ion:112 Resp: 793

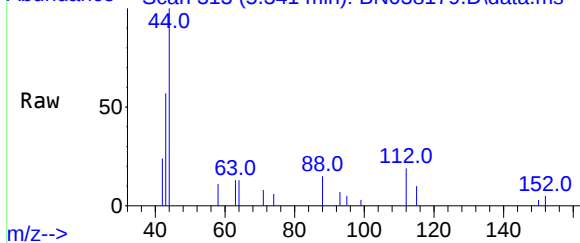
Ion Ratio Lower Upper

112 100

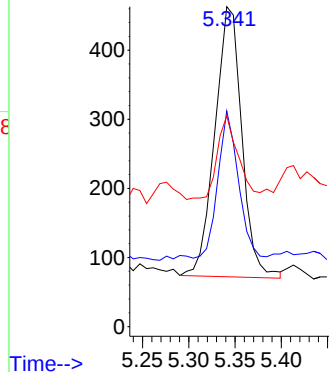
64 43.3 45.4 68.0#

63 24.7 23.2 34.8

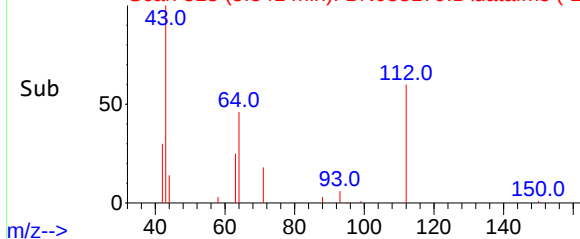
Abundance Scan 313 (5.341 min): BN038179.D\data.ms



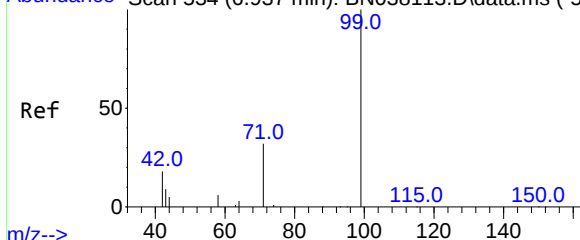
Abundance



Abundance Scan 313 (5.341 min): BN038179.D\data.ms (-28



Abundance Scan 534 (6.937 min): BN038113.D\data.ms (-52



#5

Phenol-d6

Concen: 0.021 ng

RT: 6.937 min Scan# 534

Delta R.T. -0.000 min

Lab File: BN038179.D

Acq: 10 Nov 2025 13:16

Tgt Ion: 99 Resp: 548

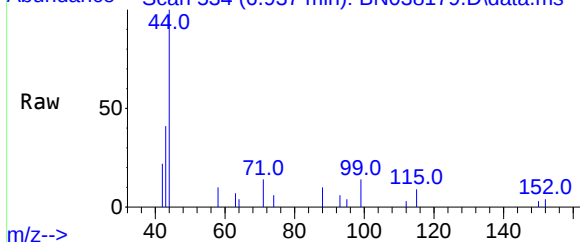
Ion Ratio Lower Upper

99 100

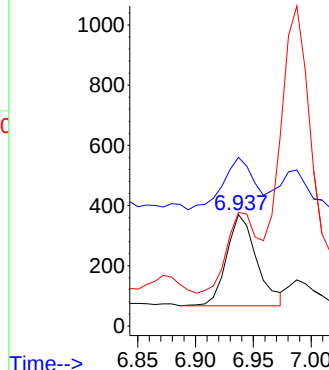
42 60.4 16.6 24.8#

71 94.7 25.4 38.2#

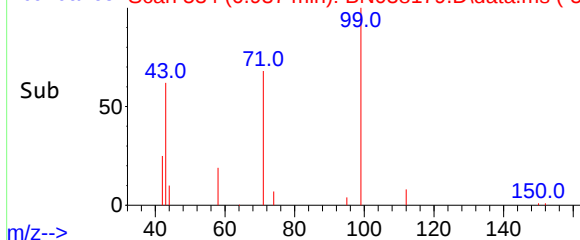
Abundance Scan 534 (6.937 min): BN038179.D\data.ms

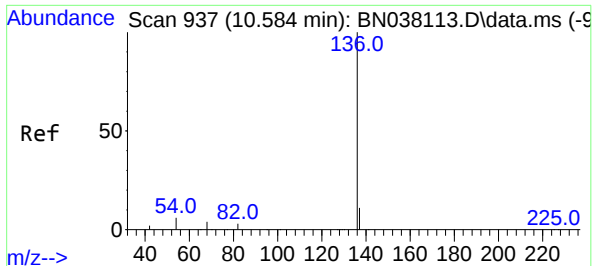


Abundance



Abundance Scan 534 (6.937 min): BN038179.D\data.ms (-50

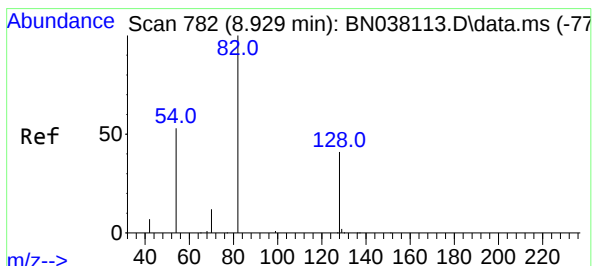
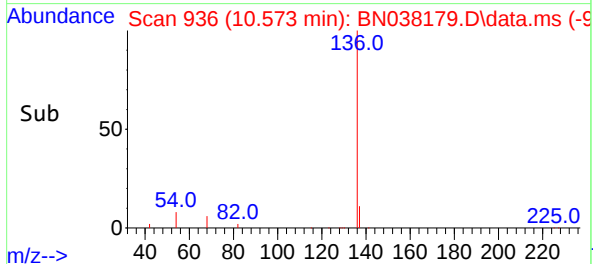
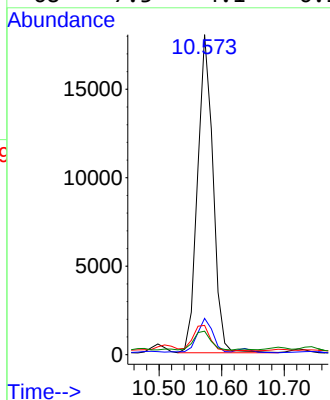
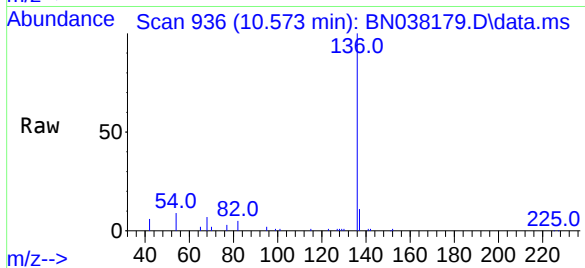




#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.573 min Scan# 91
Delta R.T. -0.000 min
Lab File: BN038179.D
Acq: 10 Nov 2025 13:16

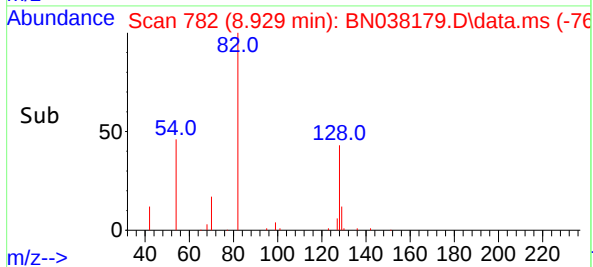
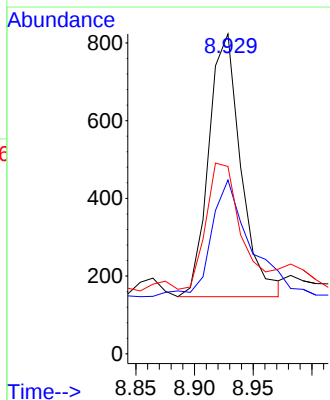
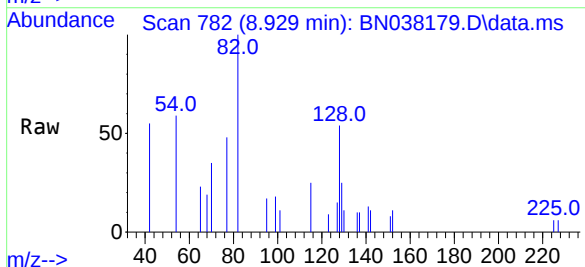
Instrument :
BNA_N
ClientSampleId :
MW-9DL

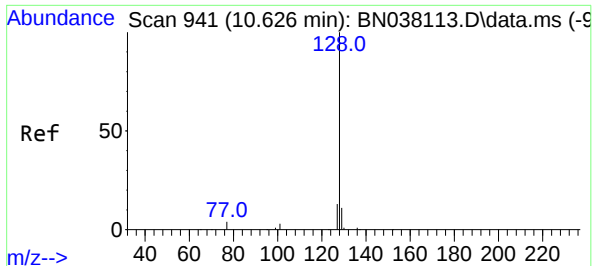
Tgt Ion:	136	Resp:	30875
Ion	Ratio	Lower	Upper
136	100		
137	11.4	9.0	13.4
54	9.2	5.2	7.8#
68	7.3	4.1	6.1#



#8
Nitrobenzene-d5
Concen: 0.052 ng
RT: 8.929 min Scan# 782
Delta R.T. -0.000 min
Lab File: BN038179.D
Acq: 10 Nov 2025 13:16

Tgt Ion:	82	Resp:	1297
Ion	Ratio	Lower	Upper
82	100		
128	54.3	34.1	51.1#
54	58.6	43.5	65.3

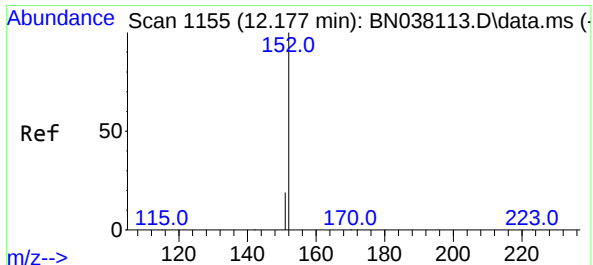
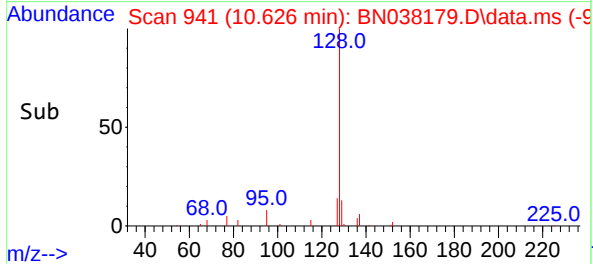
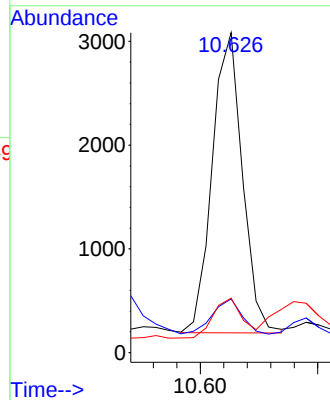
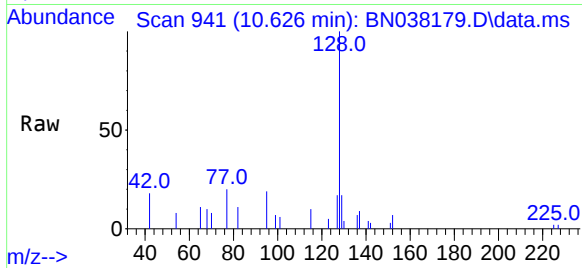




#9
Naphthalene
Concen: 0.061 ng
RT: 10.626 min Scan# 941
Delta R.T. -0.000 min
Lab File: BN038179.D
Acq: 10 Nov 2025 13:16

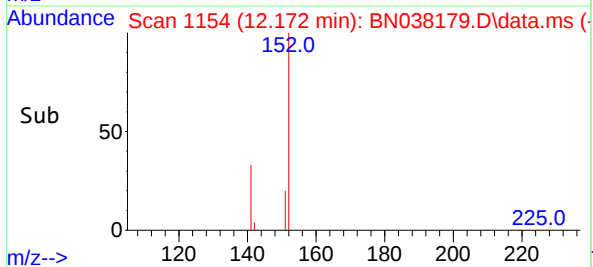
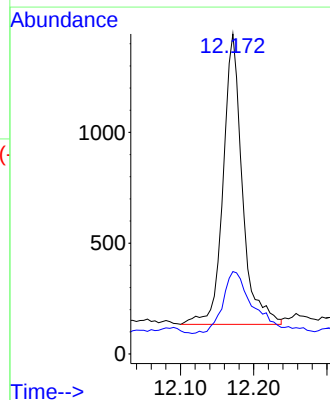
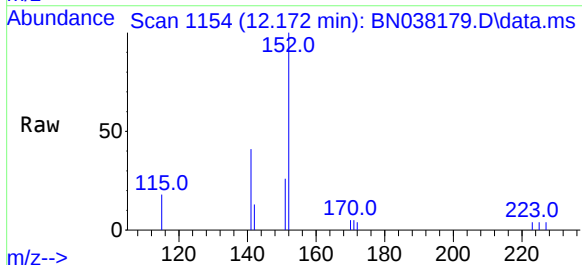
Instrument :
BNA_N
ClientSampleId :
MW-9DL

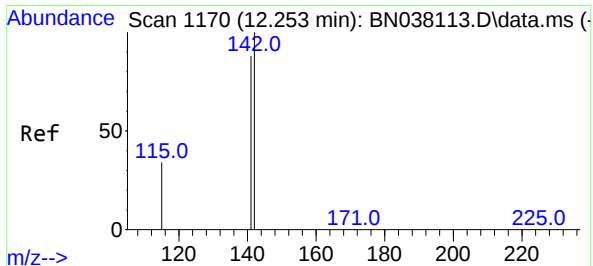
Tgt Ion:128 Resp: 5169
Ion Ratio Lower Upper
128 100
129 16.8 9.1 13.7#
127 17.1 10.5 15.7#



#11
2-Methylnaphthalene-d10
Concen: 0.054 ng
RT: 12.172 min Scan# 1154
Delta R.T. -0.005 min
Lab File: BN038179.D
Acq: 10 Nov 2025 13:16

Tgt Ion:152 Resp: 2386
Ion Ratio Lower Upper
152 100
151 35.4 16.8 25.2#





#12

2-Methylnaphthalene

Concen: 0.046 ng

RT: 12.248 min Scan# 1170

Delta R.T. -0.000 min

Lab File: BN038179.D

Acq: 10 Nov 2025 13:16

Instrument :

BNA_N

ClientSampleId :

MW-9DL

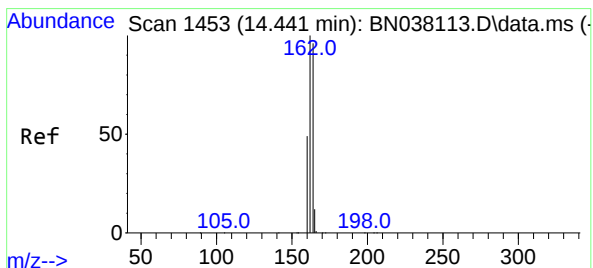
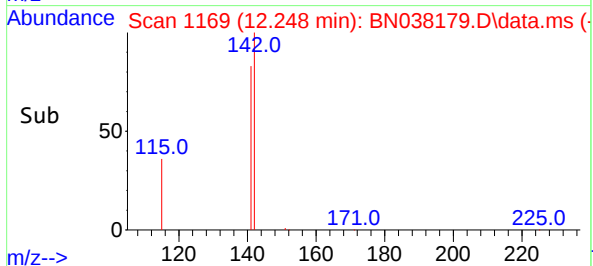
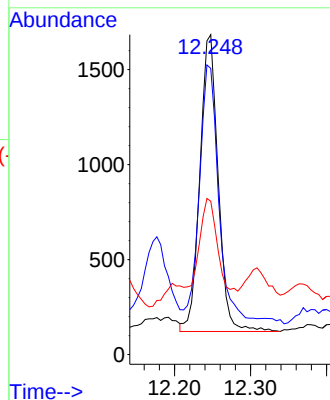
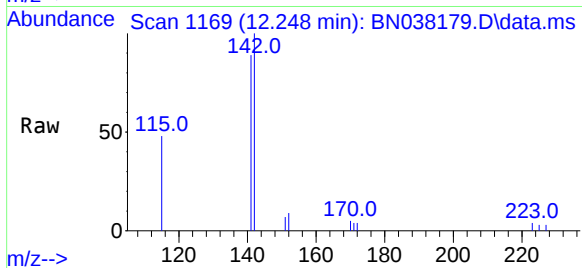
Tgt Ion:142 Resp: 2609

Ion Ratio Lower Upper

142 100

141 89.4 70.3 105.5

115 47.9 27.8 41.6#



#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.430 min Scan# 1452

Delta R.T. -0.000 min

Lab File: BN038179.D

Acq: 10 Nov 2025 13:16

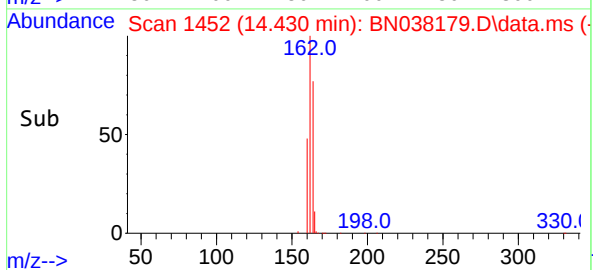
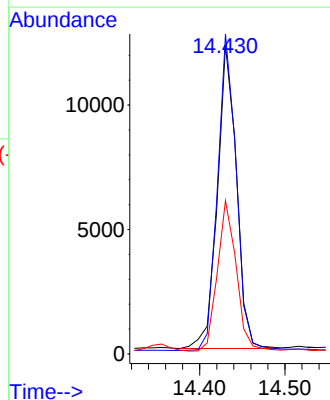
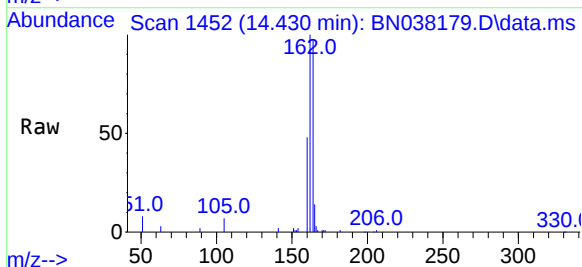
Tgt Ion:164 Resp: 19011

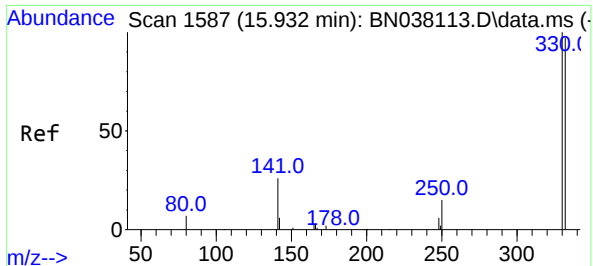
Ion Ratio Lower Upper

164 100

162 103.6 83.0 124.4

160 49.6 40.7 61.1

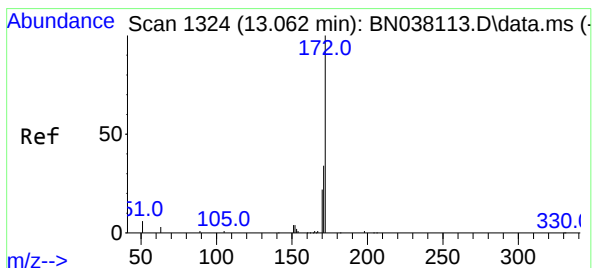
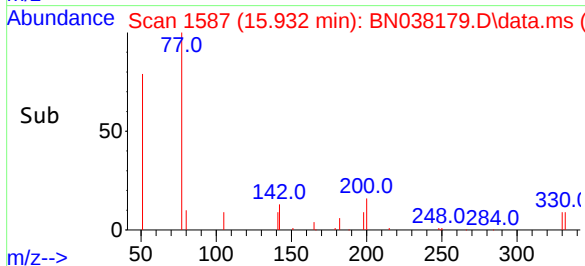
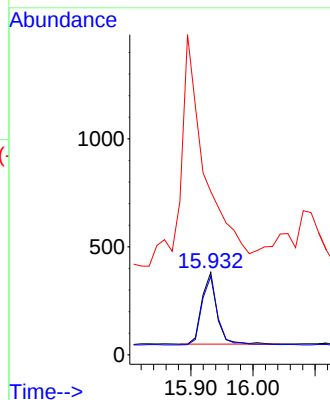
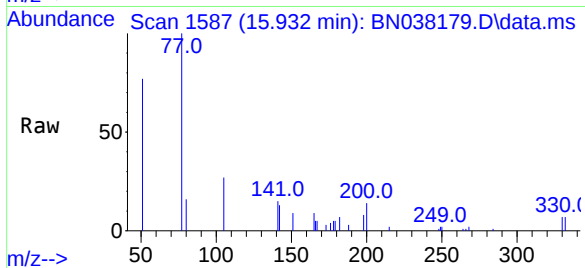




#14
2,4,6-Tribromophenol
Concen: 0.071 ng
RT: 15.932 min Scan# 11
Delta R.T. 0.000 min
Lab File: BN038179.D
Acq: 10 Nov 2025 13:16

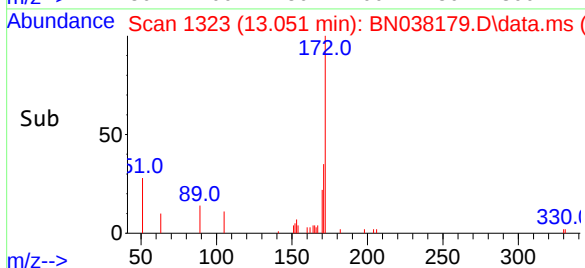
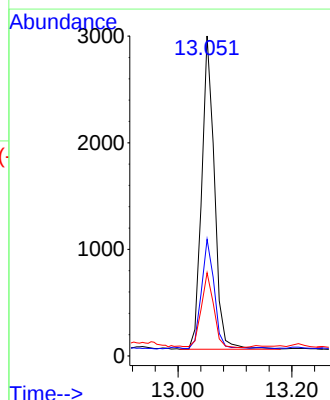
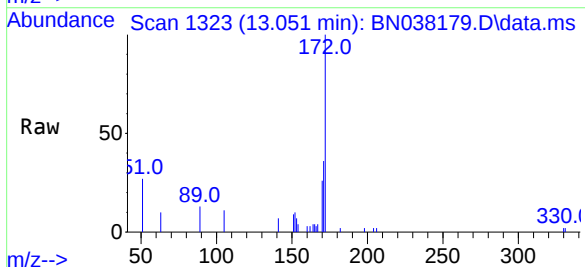
Instrument :
BNA_N
ClientSampleId :
MW-9DL

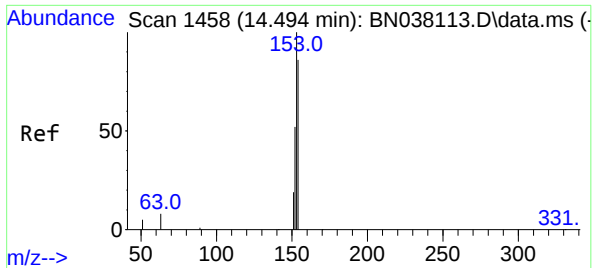
Tgt Ion:330 Resp: 560
Ion Ratio Lower Upper
330 100
332 98.6 76.6 114.8
141 0.0 34.1 51.1#



#15
2-Fluorobiphenyl
Concen: 0.058 ng
RT: 13.051 min Scan# 1323
Delta R.T. -0.000 min
Lab File: BN038179.D
Acq: 10 Nov 2025 13:16

Tgt Ion:172 Resp: 4415
Ion Ratio Lower Upper
172 100
171 36.4 27.8 41.6
170 26.0 18.1 27.1

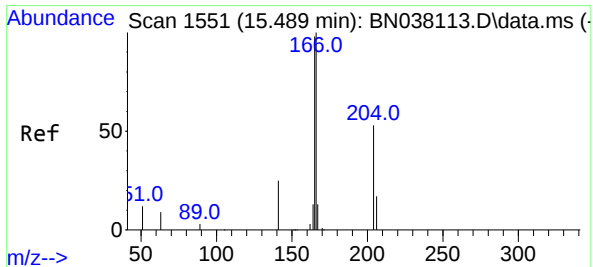
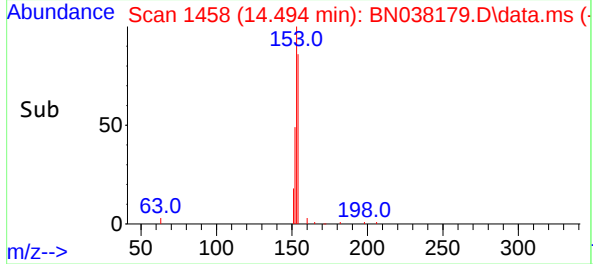
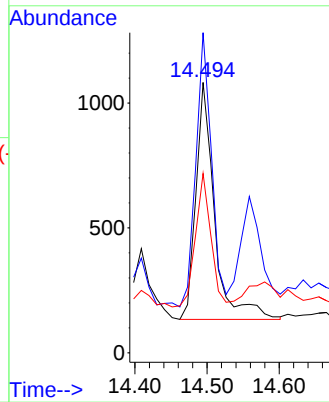
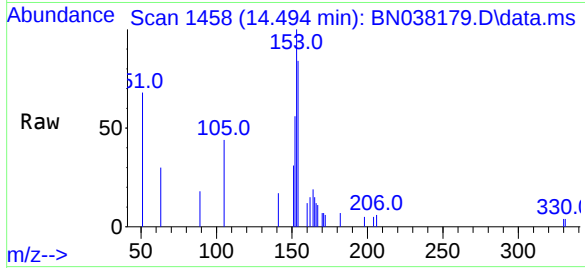




#17
Acenaphthene
Concen: 0.028 ng
RT: 14.494 min Scan# 1458
Delta R.T. -0.000 min
Lab File: BN038179.D
Acq: 10 Nov 2025 13:16

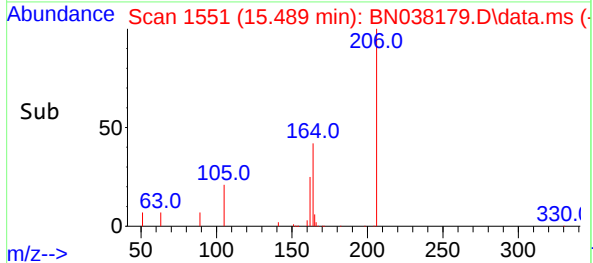
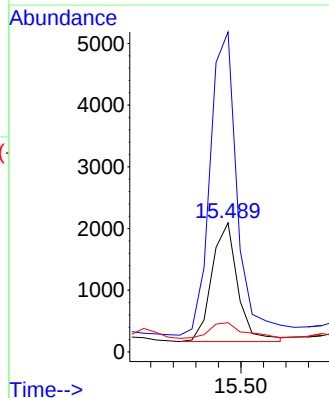
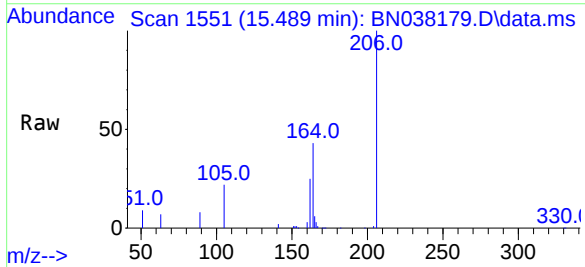
Instrument :
BNA_N
ClientSampleId :
MW-9DL

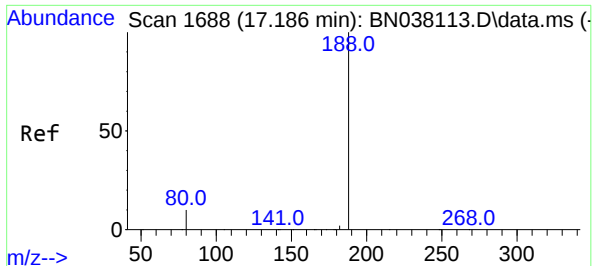
Tgt Ion:154 Resp: 1705
Ion Ratio Lower Upper
154 100
153 93.5 90.0 135.0
152 46.5 47.3 70.9#



#18
Fluorene
Concen: 0.040 ng
RT: 15.489 min Scan# 1551
Delta R.T. -0.000 min
Lab File: BN038179.D
Acq: 10 Nov 2025 13:16

Tgt Ion:166 Resp: 3169
Ion Ratio Lower Upper
166 100
165 269.1 79.0 118.4#
167 17.3 10.7 16.1#





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 17.186 min Scan# 1

Delta R.T. -0.000 min

Lab File: BN038179.D

Acq: 10 Nov 2025 13:16

Instrument :

BNA_N

ClientSampleId :

MW-9DL

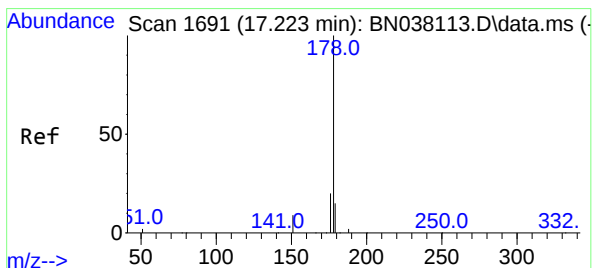
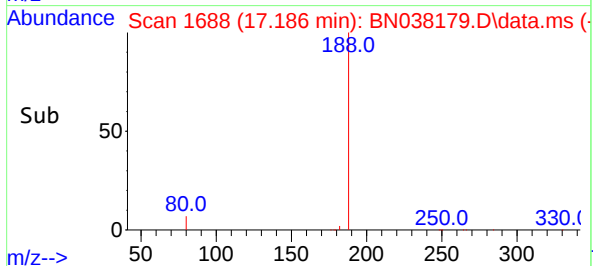
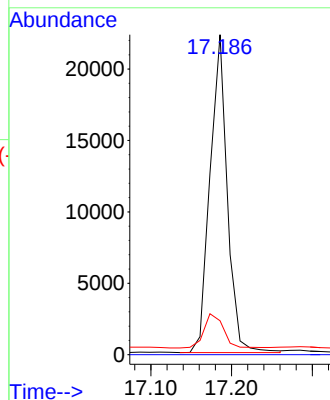
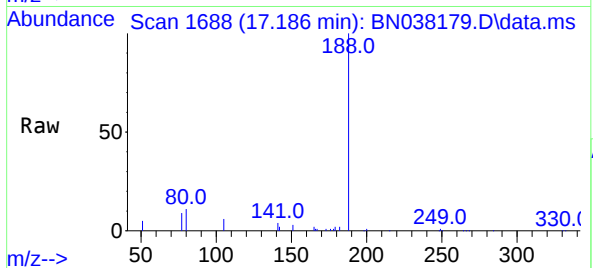
Tgt Ion:188 Resp: 33058

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

80 10.6 8.6 13.0



#25

Phenanthrene

Concen: 0.028 ng

RT: 17.223 min Scan# 1691

Delta R.T. -0.000 min

Lab File: BN038179.D

Acq: 10 Nov 2025 13:16

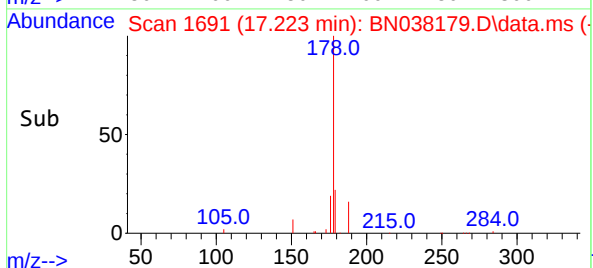
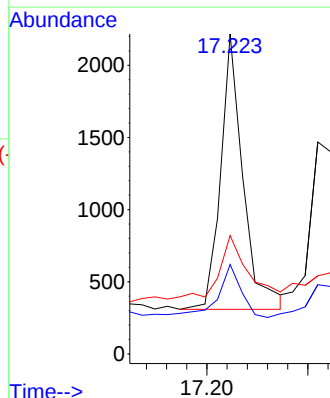
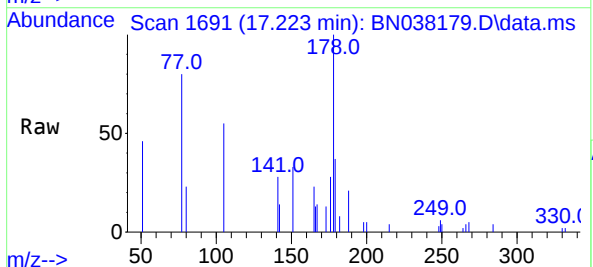
Tgt Ion:178 Resp: 2937

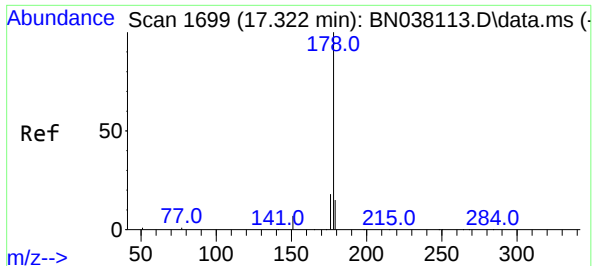
Ion Ratio Lower Upper

178 100

176 20.2 15.5 23.3

179 35.5 12.2 18.4#

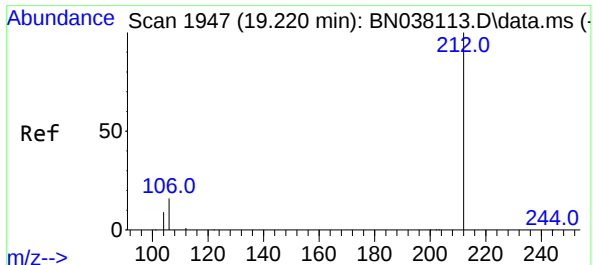
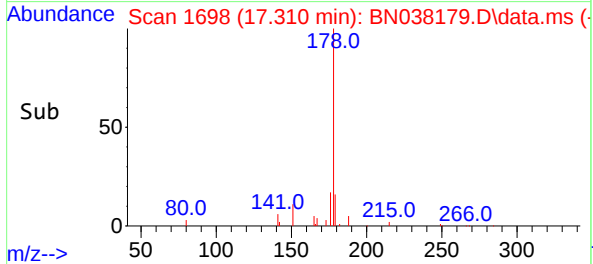
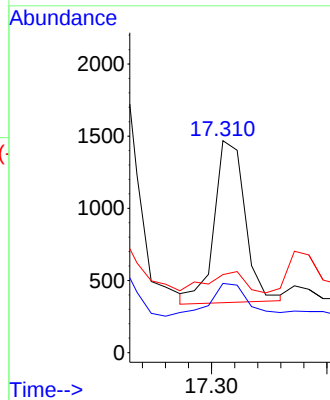
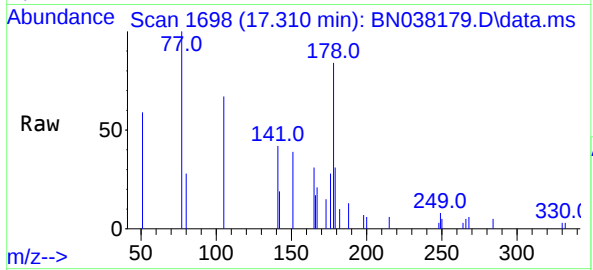




#26
Anthracene
Concen: 0.023 ng
RT: 17.310 min Scan# 1699
Delta R.T. -0.013 min
Lab File: BN038179.D
Acq: 10 Nov 2025 13:16

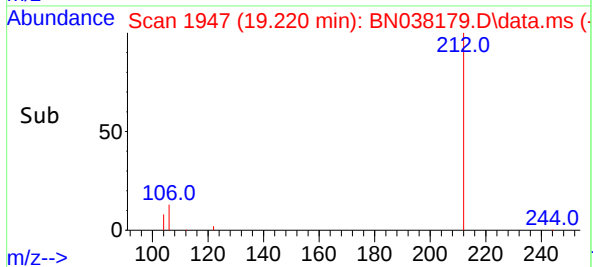
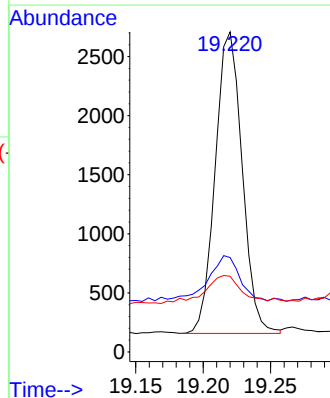
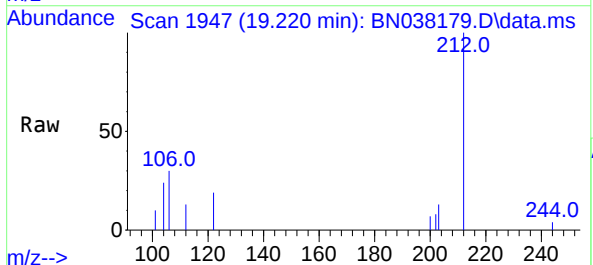
Instrument :
BNA_N
ClientSampleId :
MW-9DL

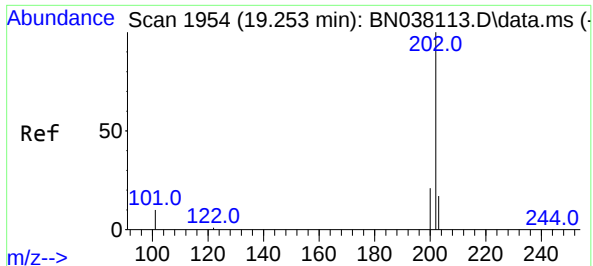
Tgt Ion:178 Resp: 2091
Ion Ratio Lower Upper
178 100
176 25.4 14.9 22.3#
179 15.4 11.8 17.8



#27
Fluoranthene-d10
Concen: 0.043 ng
RT: 19.220 min Scan# 1947
Delta R.T. -0.000 min
Lab File: BN038179.D
Acq: 10 Nov 2025 13:16

Tgt Ion:212 Resp: 3544
Ion Ratio Lower Upper
212 100
106 18.6 12.6 19.0
104 12.4 7.1 10.7#

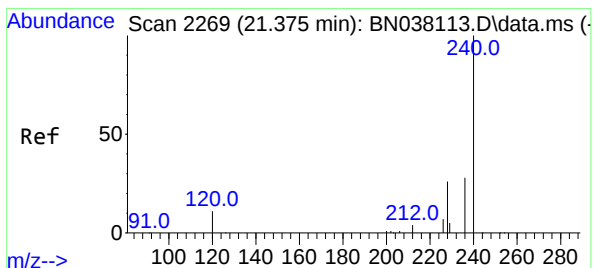
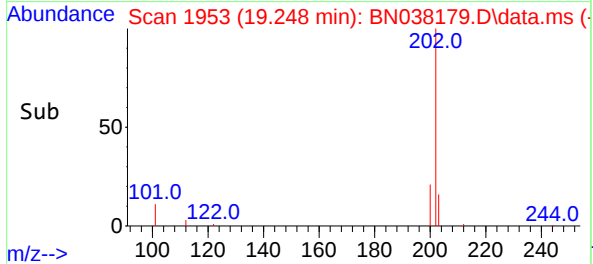
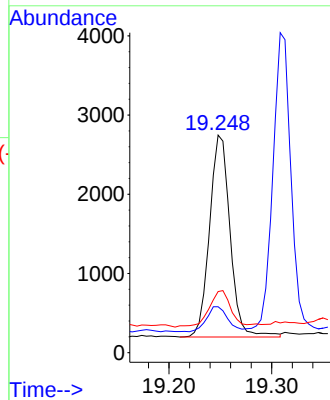
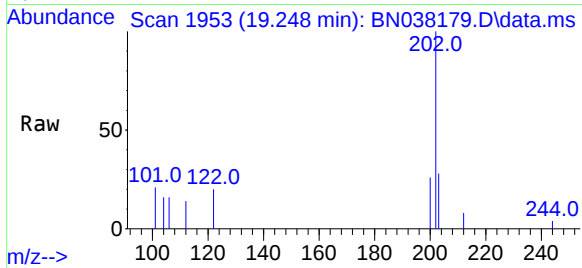




#28
Fluoranthene
Concen: 0.030 ng
RT: 19.248 min Scan# 1953
Delta R.T. -0.005 min
Lab File: BN038179.D
Acq: 10 Nov 2025 13:16

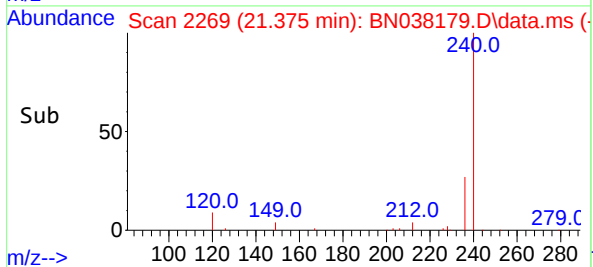
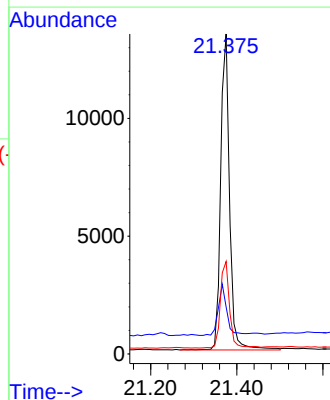
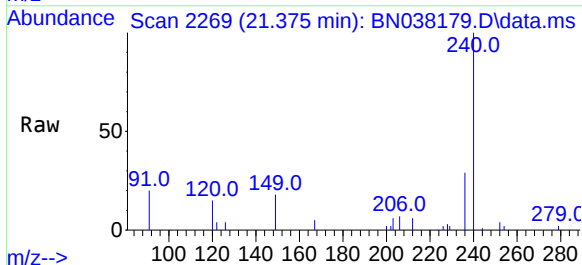
Instrument :
BNA_N
ClientSampleId :
MW-9DL

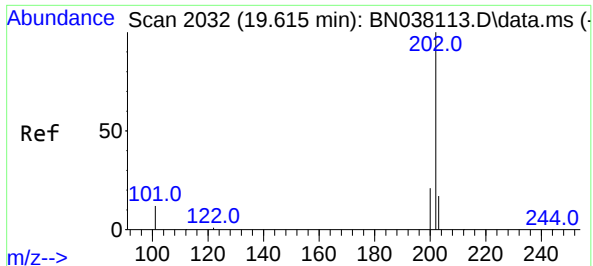
Tgt Ion:202 Resp: 3539
Ion Ratio Lower Upper
202 100
101 12.5 9.4 14.2
203 19.0 13.4 20.2



#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.375 min Scan# 2269
Delta R.T. -0.000 min
Lab File: BN038179.D
Acq: 10 Nov 2025 13:16

Tgt Ion:240 Resp: 19022
Ion Ratio Lower Upper
240 100
120 14.7 10.7 16.1
236 28.9 23.1 34.7

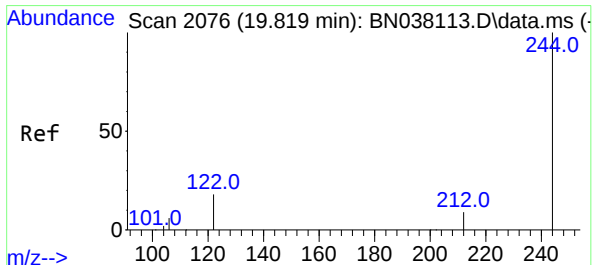
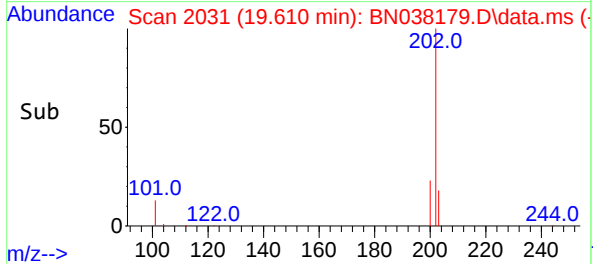
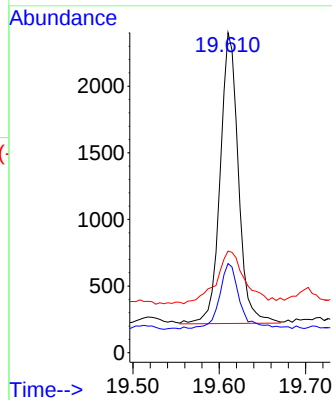
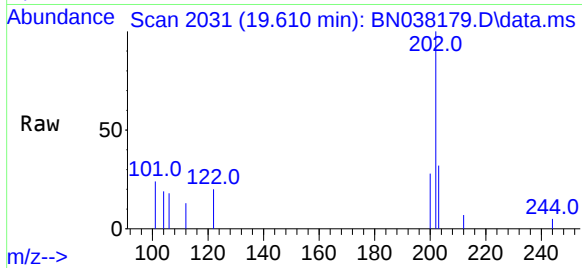




#30
Pyrene
Concen: 0.037 ng
RT: 19.610 min Scan# 2032
Delta R.T. -0.000 min
Lab File: BN038179.D
Acq: 10 Nov 2025 13:16

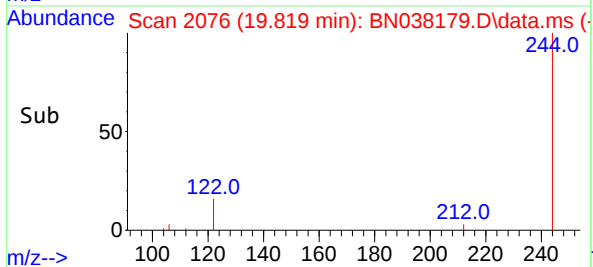
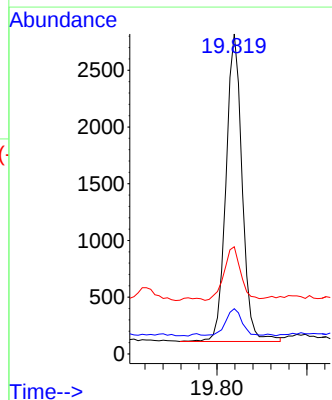
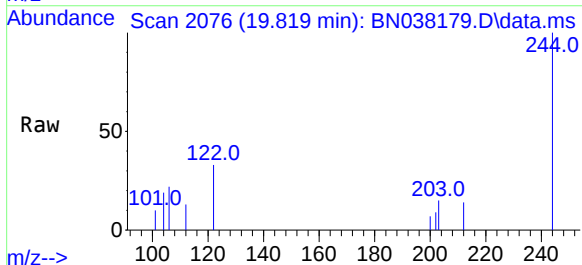
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BNA_N
ClientSampleId :
MW-9DL

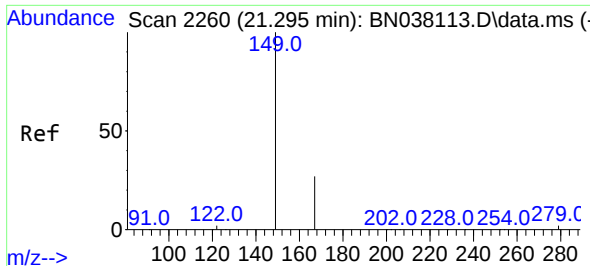
Tgt Ion:202 Resp: 3213
Ion Ratio Lower Upper
202 100
200 24.9 16.7 25.1
203 28.9 14.2 21.2#



#31
Terphenyl-d14
Concen: 0.081 ng
RT: 19.819 min Scan# 2076
Delta R.T. -0.000 min
Lab File: BN038179.D
Acq: 10 Nov 2025 13:16

Tgt Ion:244 Resp: 3364
Ion Ratio Lower Upper
244 100
212 14.1 7.8 11.6#
122 33.5 15.2 22.8#

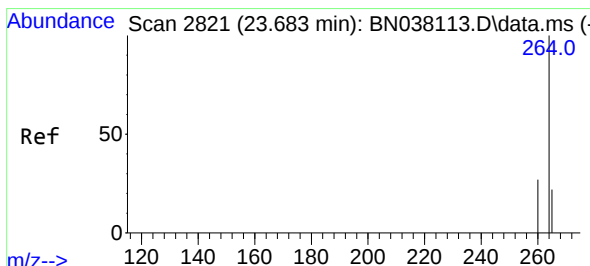
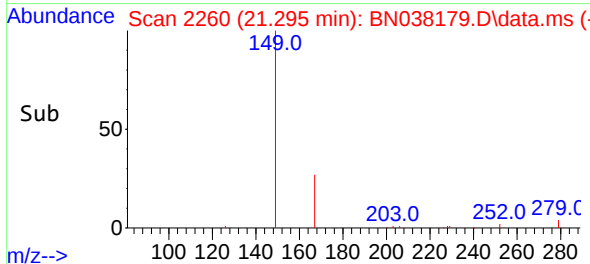
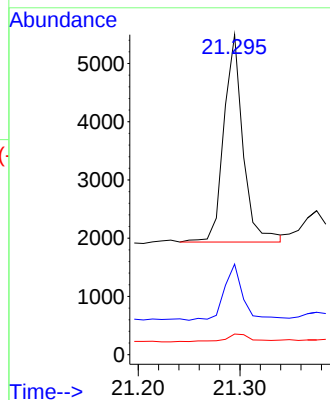
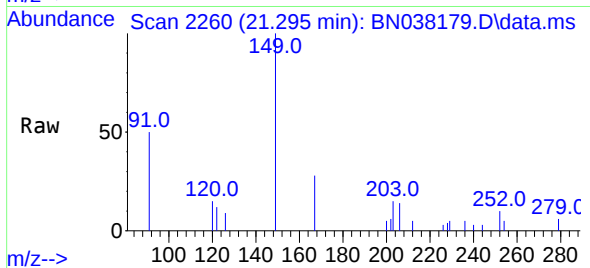




#34
Bis(2-ethylhexyl)phthalate
Concen: 0.130 ng
RT: 21.295 min Scan# 2126
Delta R.T. -0.000 min
Lab File: BN038179.D
Acq: 10 Nov 2025 13:16

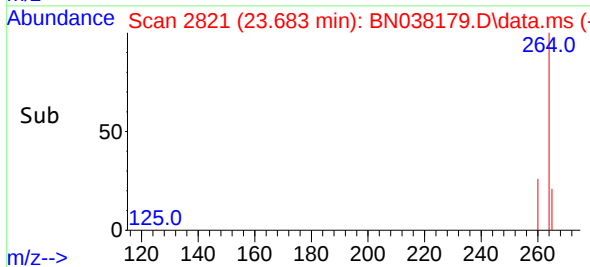
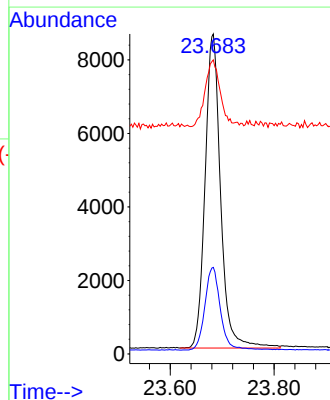
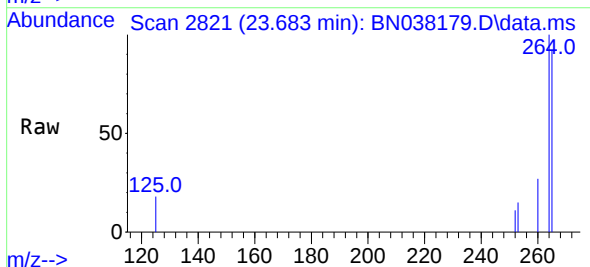
Instrument :
BNA_N
ClientSampleId :
MW-9DL

Tgt Ion:149 Resp: 4657
Ion Ratio Lower Upper
149 100
167 26.8 21.1 31.7
279 4.7 2.9 4.3#



#35
Perylene-d12
Concen: 0.400 ng
RT: 23.683 min Scan# 2821
Delta R.T. 0.003 min
Lab File: BN038179.D
Acq: 10 Nov 2025 13:16

Tgt Ion:264 Resp: 17692
Ion Ratio Lower Upper
264 100
260 27.1 21.8 32.8
265 91.9 68.6 102.8



Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN110725\
 Data File : BN038160.D
 Acq On : 07 Nov 2025 18:34
 Operator : RC/JU
 Sample : Q3552-04
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 MW-10

A
B
C
D
E
F
G
H
I
J
K

Quant Time: Nov 08 03:05:23 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN102825.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Oct 29 13:09:46 2025
 Response via : Initial Calibration

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

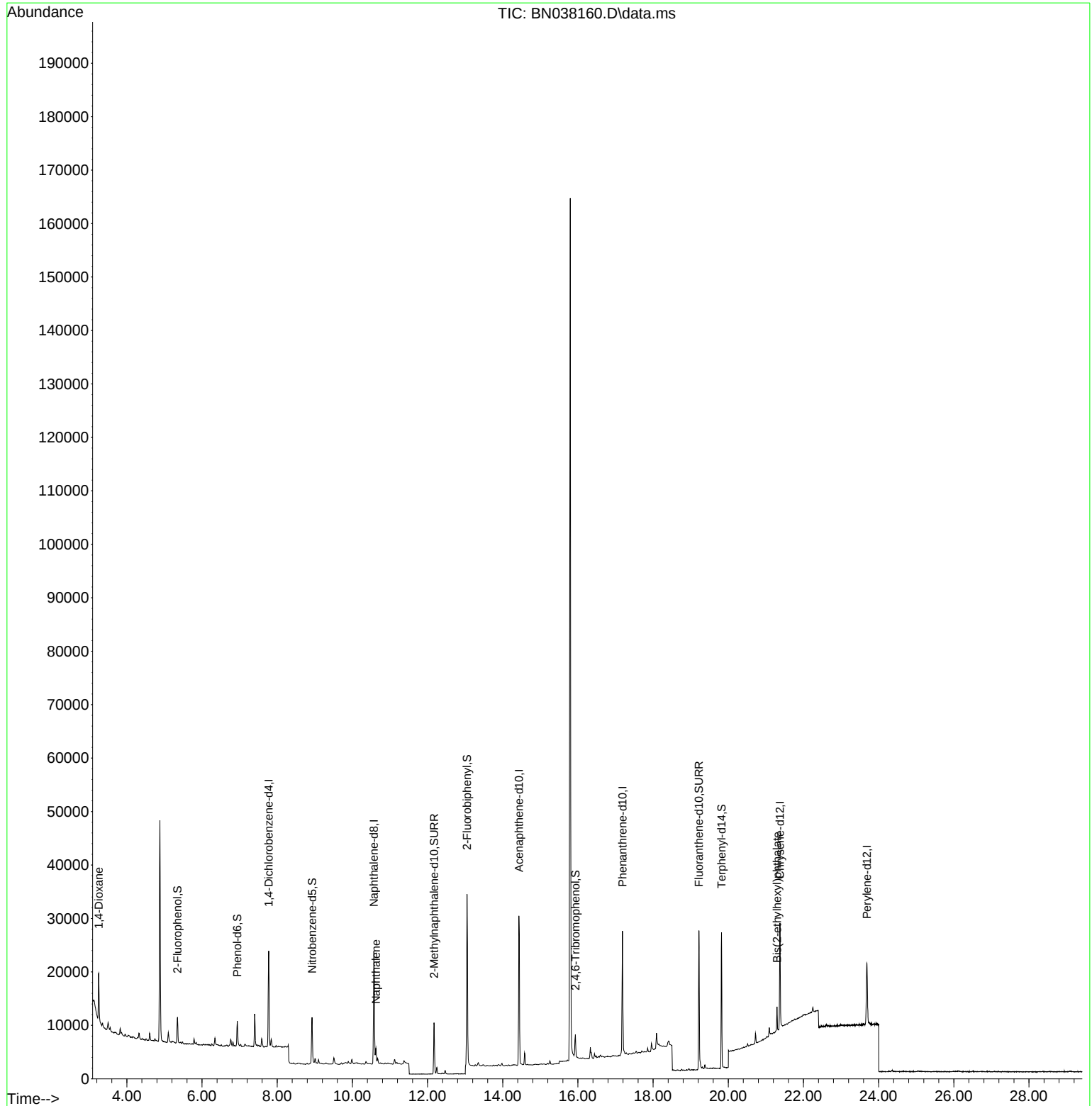
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.775	152	8828	0.400	ng	0.00
7) Naphthalene-d8	10.573	136	28618	0.400	ng	# 0.00
13) Acenaphthene-d10	14.430	164	17122	0.400	ng	0.00
19) Phenanthrene-d10	17.186	188	31605	0.400	ng	0.00
29) Chrysene-d12	21.376	240	18345	0.400	ng	# 0.00
35) Perylene-d12	23.686	264	16948	0.400	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.348	112	3914	0.188	ng	0.00
5) Phenol-d6	6.937	99	4074	0.161	ng	0.00
8) Nitrobenzene-d5	8.929	82	7573	0.328	ng	0.00
11) 2-Methylnaphthalene-d10	12.172	152	13558	0.332	ng	0.00
14) 2,4,6-Tribromophenol	15.932	330	2705	0.383	ng	0.00
15) 2-Fluorobiphenyl	13.051	172	26245	0.383	ng	0.00
27) Fluoranthene-d10	19.220	212	28699	0.360	ng	0.00
31) Terphenyl-d14	19.819	244	24820	0.623	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.254	88	5933	0.650	ng	# 93
9) Naphthalene	10.626	128	3779	0.048	ng	# 93
34) Bis(2-ethylhexyl)phtha...	21.295	149	4647	0.135	ng	100

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

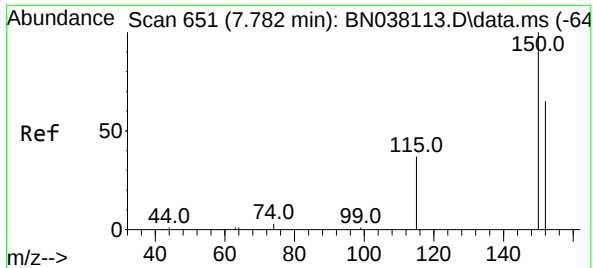
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN110725\
Data File : BN038160.D
Acq On : 07 Nov 2025 18:34
Operator : RC/JU
Sample : Q3552-04
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
MW-10

Quant Time: Nov 08 03:05:23 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN102825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Oct 29 13:09:46 2025
Response via : Initial Calibration



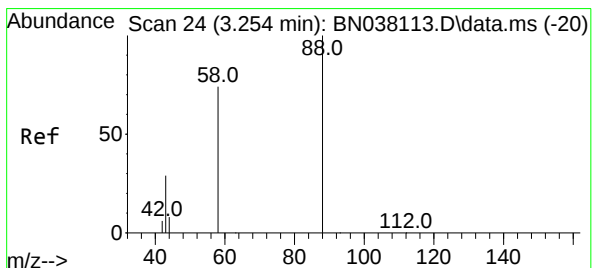
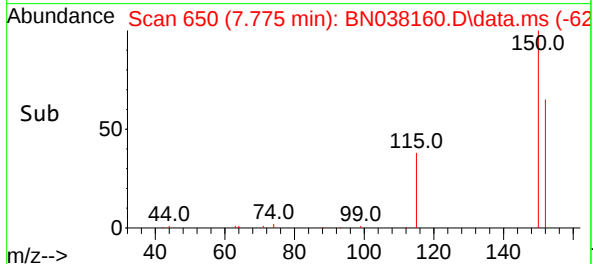
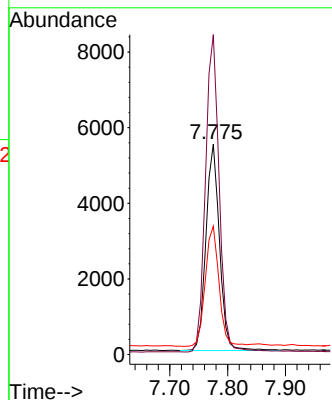
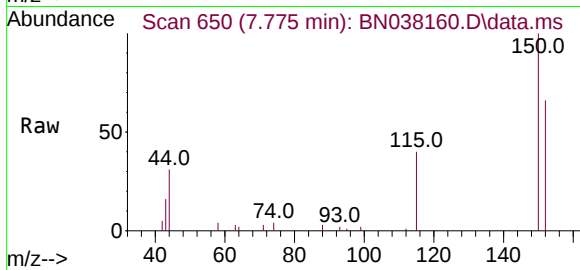
A
B
C
D
E
F
G
H
I
J
K



#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.775 min Scan# 61
Delta R.T. 0.000 min
Lab File: BN038160.D
Acq: 07 Nov 2025 18:34

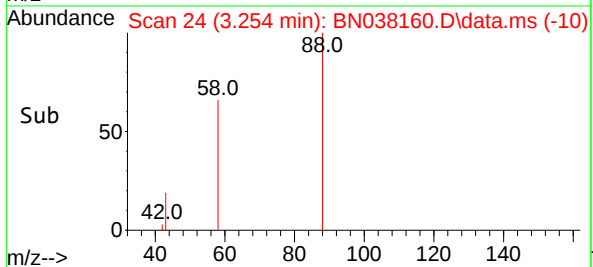
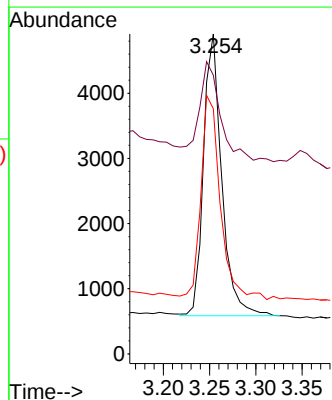
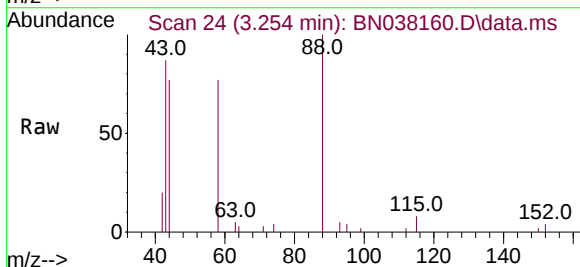
Instrument :
BNA_N
ClientSampleId :
MW-10

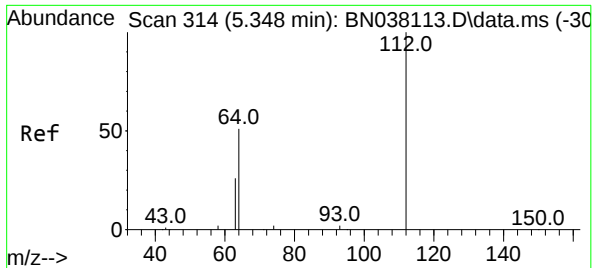
Tgt Ion:152 Resp: 8828
Ion Ratio Lower Upper
152 100
150 152.0 122.3 183.5
115 61.0 47.4 71.0



#2
1,4-Dioxane
Concen: 0.650 ng
RT: 3.254 min Scan# 24
Delta R.T. 0.000 min
Lab File: BN038160.D
Acq: 07 Nov 2025 18:34

Tgt Ion: 88 Resp: 5933
Ion Ratio Lower Upper
88 100
43 42.9 24.3 36.5#
58 76.0 60.4 90.6

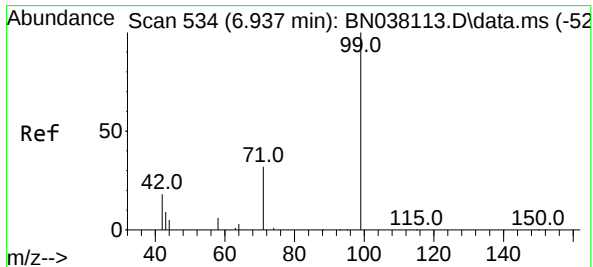
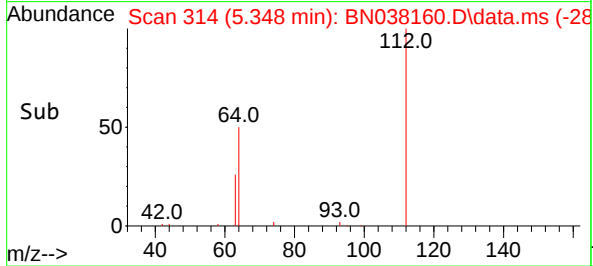
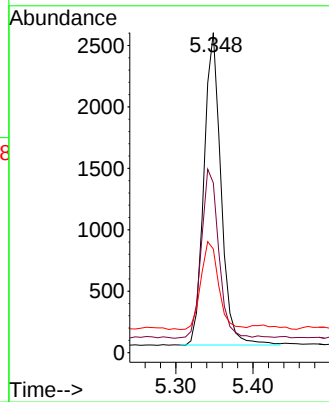
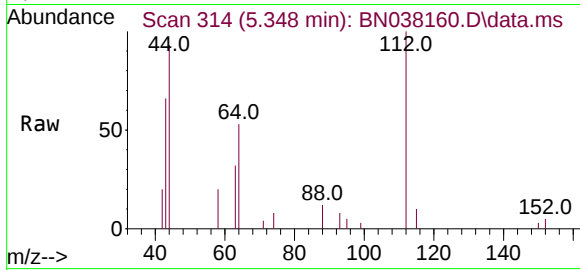




#4
2-Fluorophenol
Concen: 0.188 ng
RT: 5.348 min Scan# 314
Delta R.T. 0.000 min
Lab File: BN038160.D
Acq: 07 Nov 2025 18:34

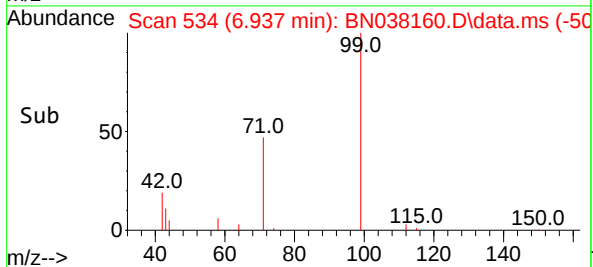
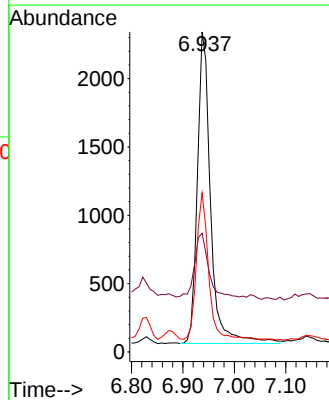
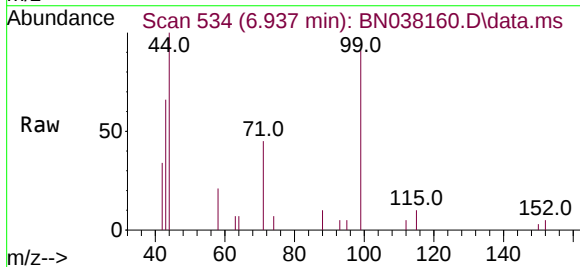
Instrument :
BNA_N
ClientSampleId :
MW-10

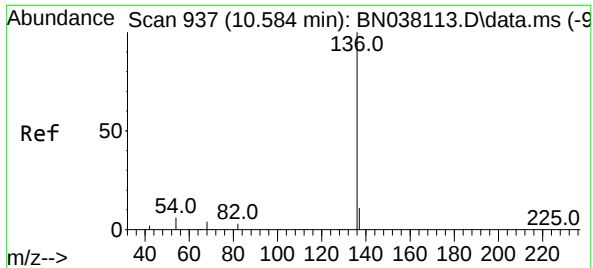
Tgt Ion:	112	Resp:	3914
Ion	Ratio	Lower	Upper
112	100		
64	55.1	45.4	68.0
63	29.3	23.2	34.8



#5
Phenol-d6
Concen: 0.161 ng
RT: 6.937 min Scan# 534
Delta R.T. 0.000 min
Lab File: BN038160.D
Acq: 07 Nov 2025 18:34

Tgt Ion:	99	Resp:	4074
Ion	Ratio	Lower	Upper
99	100		
42	21.8	16.6	24.8
71	42.5	25.4	38.2

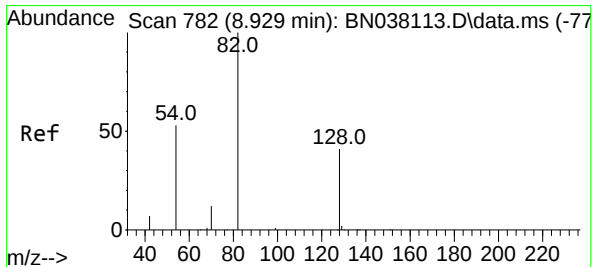
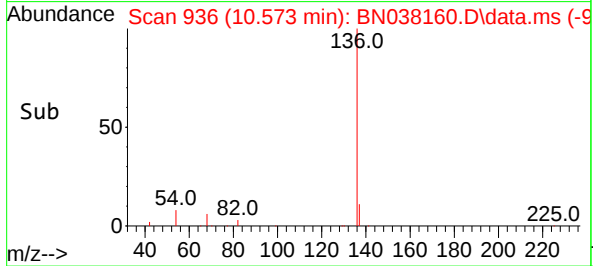
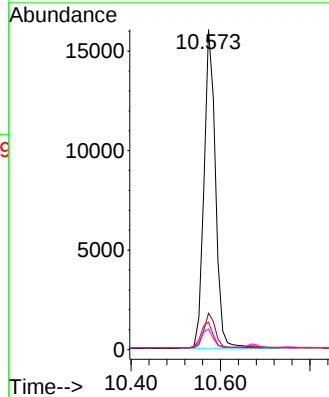
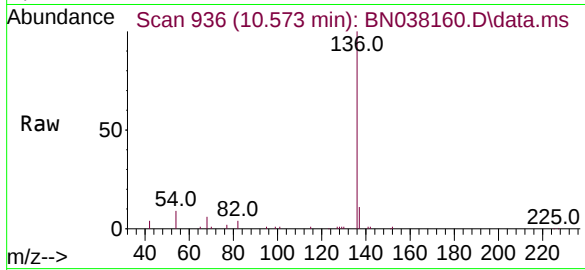




#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.573 min Scan# 937
Delta R.T. 0.000 min
Lab File: BN038160.D
Acq: 07 Nov 2025 18:34

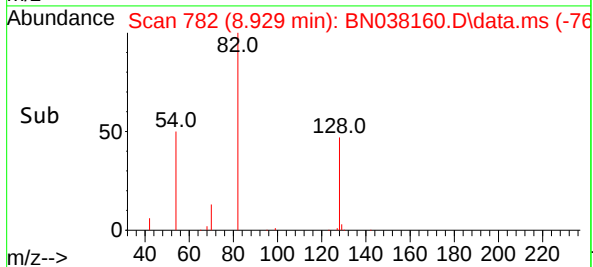
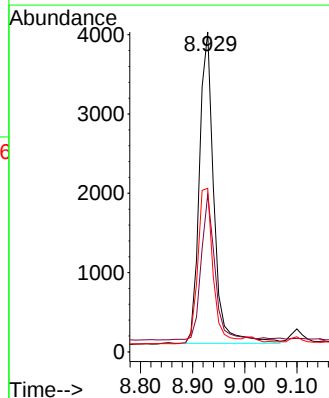
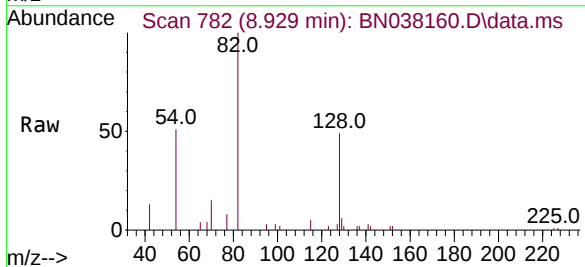
Instrument :
BNA_N
ClientSampleId :
MW-10

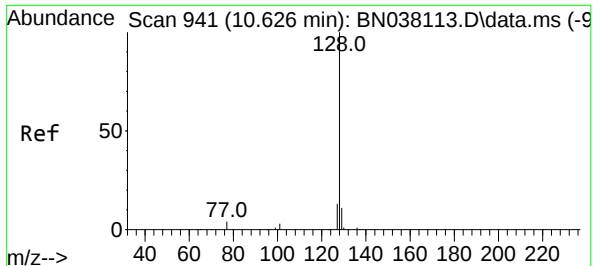
Tgt Ion:	136	Resp:	28618
Ion	Ratio	Lower	Upper
136	100		
137	11.4	9.0	13.4
54	8.6	5.2	7.8#
68	6.4	4.1	6.1#



#8
Nitrobenzene-d5
Concen: 0.328 ng
RT: 8.929 min Scan# 782
Delta R.T. 0.000 min
Lab File: BN038160.D
Acq: 07 Nov 2025 18:34

Tgt Ion:	82	Resp:	7573
Ion	Ratio	Lower	Upper
82	100		
128	49.2	34.1	51.1
54	51.1	43.5	65.3

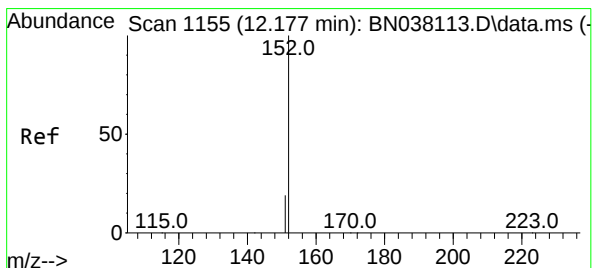
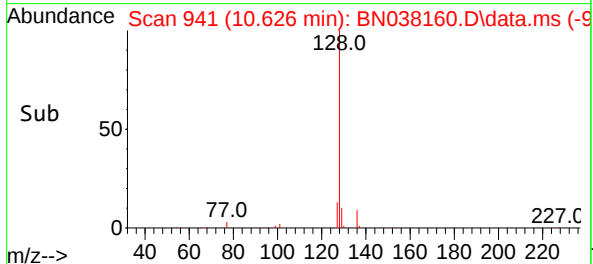
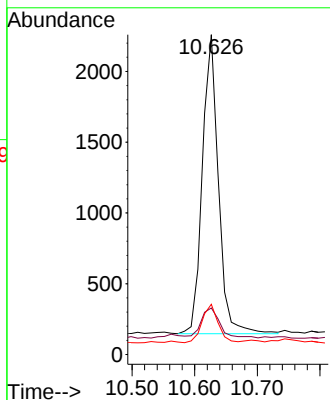
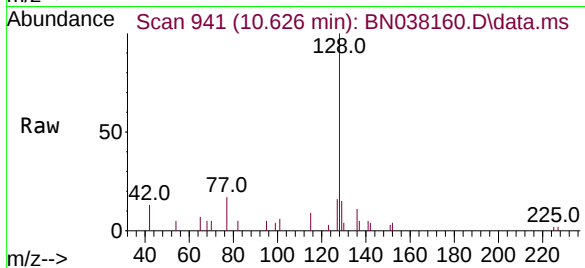




#9
Naphthalene
Concen: 0.048 ng
RT: 10.626 min Scan# 941
Delta R.T. 0.000 min
Lab File: BN038160.D
Acq: 07 Nov 2025 18:34

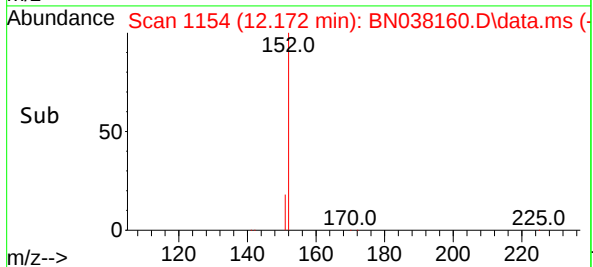
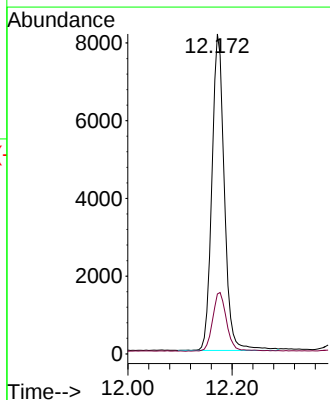
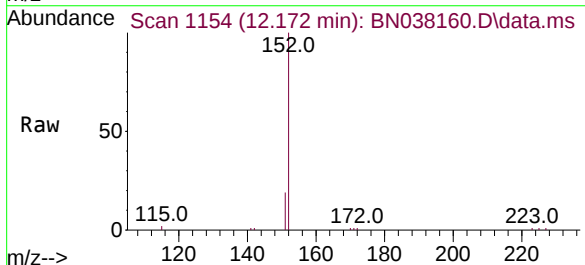
Instrument :
BNA_N
ClientSampleId :
MW-10

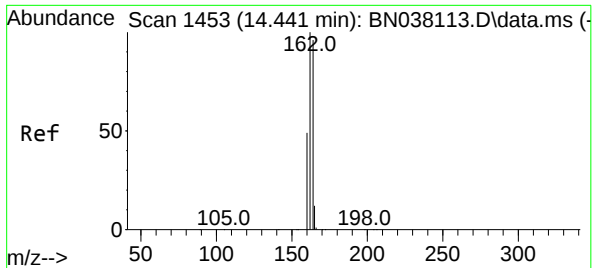
Tgt Ion:128 Resp: 3779
Ion Ratio Lower Upper
128 100
129 14.6 9.1 13.7#
127 15.7 10.5 15.7



#11
2-Methylnaphthalene-d10
Concen: 0.332 ng
RT: 12.172 min Scan# 1154
Delta R.T. -0.005 min
Lab File: BN038160.D
Acq: 07 Nov 2025 18:34

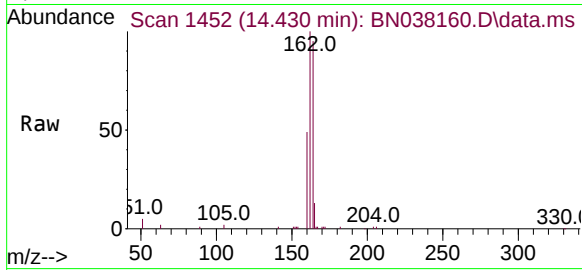
Tgt Ion:152 Resp: 13558
Ion Ratio Lower Upper
152 100
151 21.1 16.8 25.2



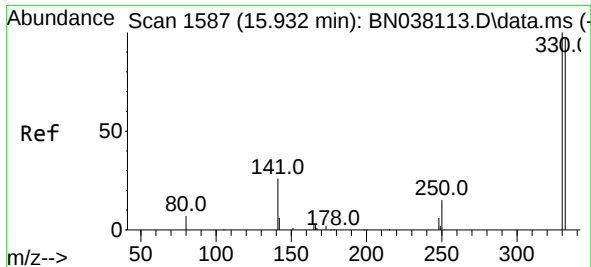
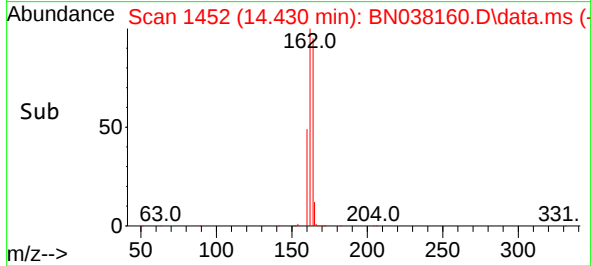
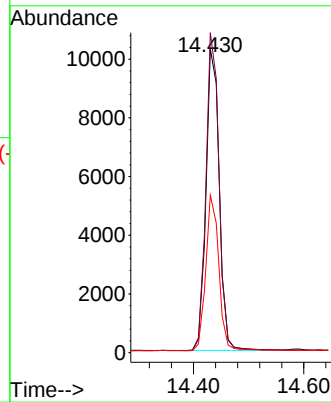


#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.430 min Scan# 1453
Delta R.T. 0.000 min
Lab File: BN038160.D
Acq: 07 Nov 2025 18:34

Instrument :
BNA_N
ClientSampleId :
MW-10

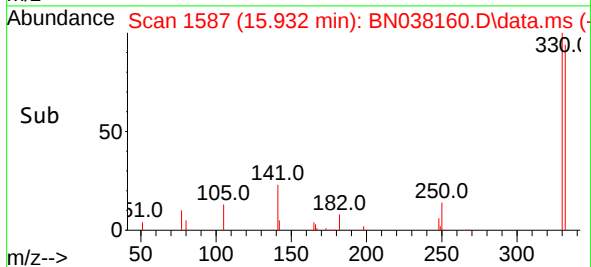
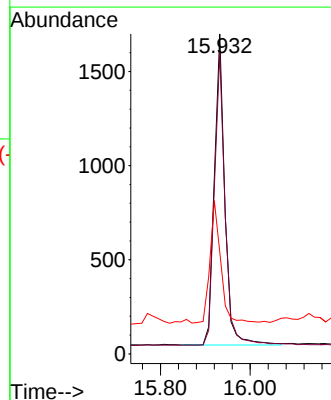
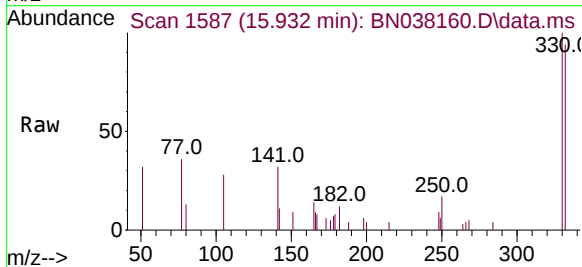


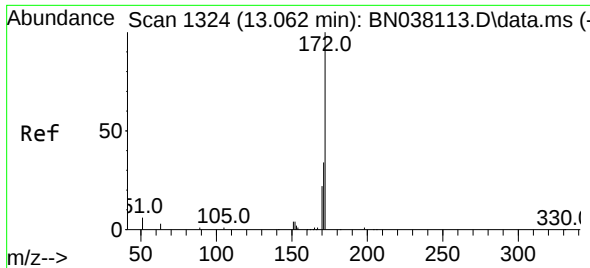
Tgt Ion:164 Resp: 17122
Ion Ratio Lower Upper
164 100
162 105.3 83.0 124.4
160 51.8 40.7 61.1



#14
2,4,6-Tribromophenol
Concen: 0.383 ng
RT: 15.932 min Scan# 1587
Delta R.T. 0.000 min
Lab File: BN038160.D
Acq: 07 Nov 2025 18:34

Tgt Ion:330 Resp: 2705
Ion Ratio Lower Upper
330 100
332 95.7 76.6 114.8
141 40.0 34.1 51.1

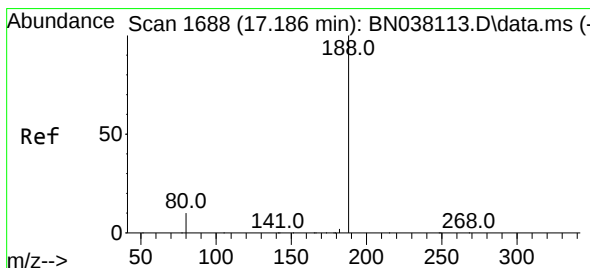
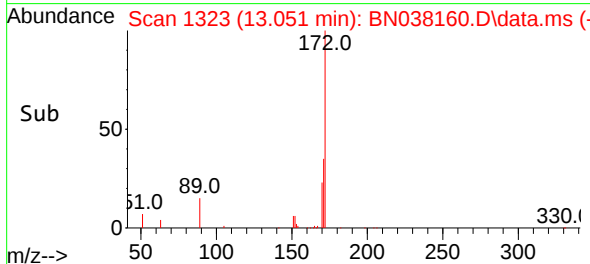
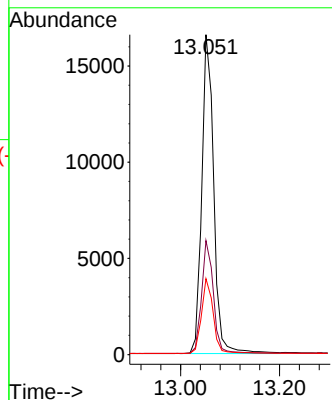
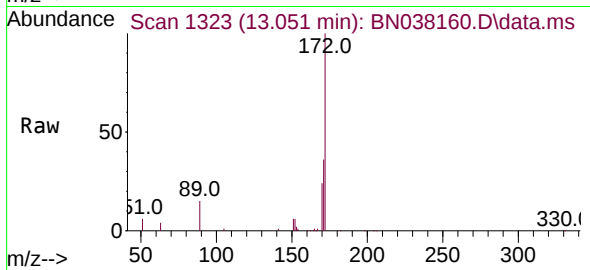




#15
2-Fluorobiphenyl
Concen: 0.383 ng
RT: 13.051 min Scan# 1323
Delta R.T. 0.000 min
Lab File: BN038160.D
Acq: 07 Nov 2025 18:34

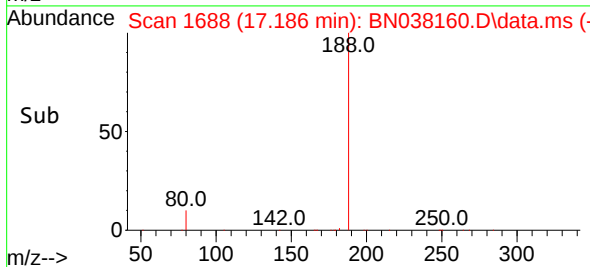
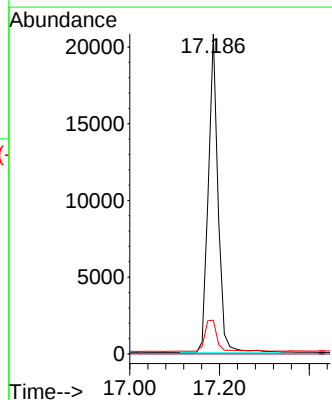
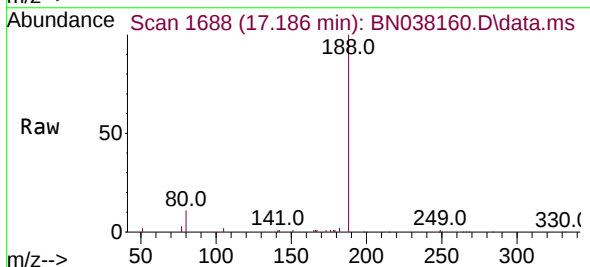
Instrument :
BNA_N
ClientSampleId :
MW-10

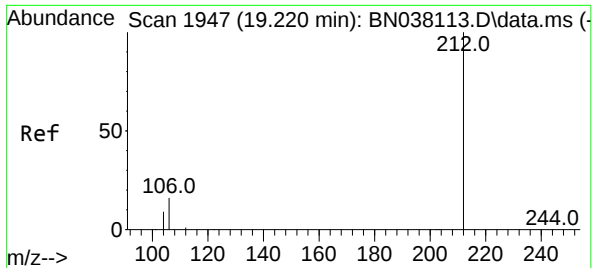
Tgt Ion:	172	Resp:	26245
Ion Ratio	Lower	Upper	
172	100		
171	35.6	27.8	41.6
170	23.7	18.1	27.1



#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.186 min Scan# 1688
Delta R.T. 0.000 min
Lab File: BN038160.D
Acq: 07 Nov 2025 18:34

Tgt Ion:	188	Resp:	31605
Ion Ratio	Lower	Upper	
188	100		
94	0.0	0.0	0.0
80	10.5	8.6	13.0





#27

Fluoranthene-d10

Concen: 0.360 ng

RT: 19.220 min Scan# 1947

Delta R.T. 0.000 min

Lab File: BN038160.D

Acq: 07 Nov 2025 18:34

Instrument :

BNA_N

ClientSampleId :

MW-10

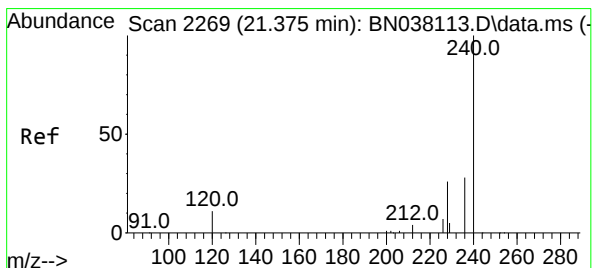
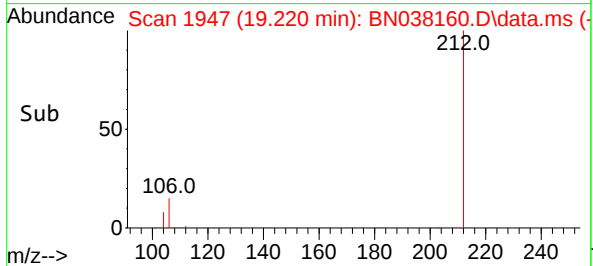
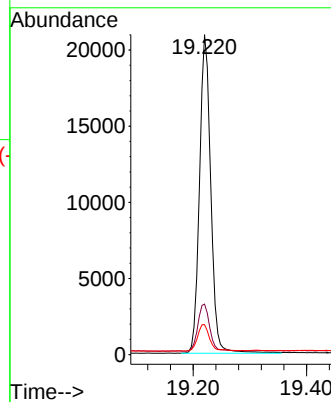
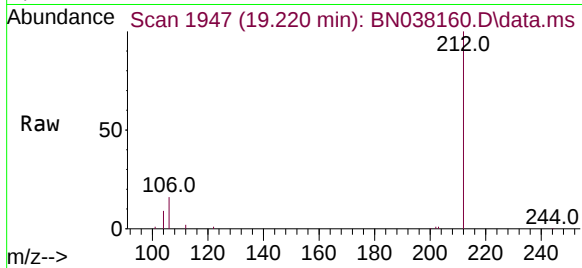
Tgt Ion:212 Resp: 28699

Ion Ratio Lower Upper

212 100

106 15.5 12.6 19.0

104 9.2 7.1 10.7



#29

Chrysene-d12

Concen: 0.400 ng

RT: 21.376 min Scan# 2269

Delta R.T. 0.000 min

Lab File: BN038160.D

Acq: 07 Nov 2025 18:34

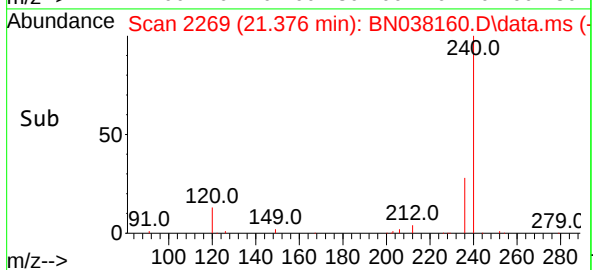
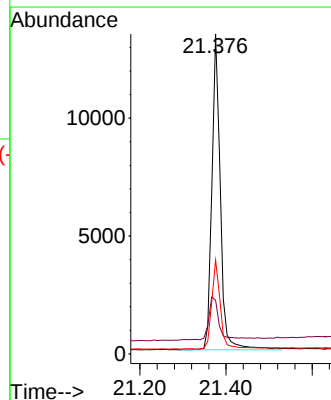
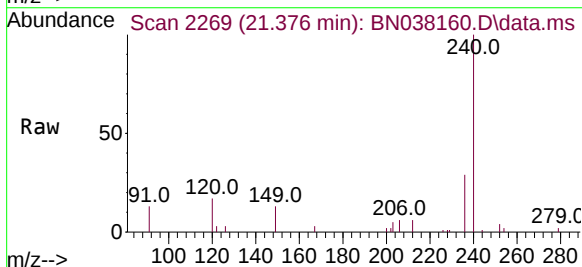
Tgt Ion:240 Resp: 18345

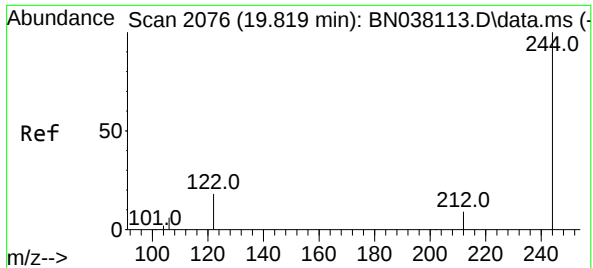
Ion Ratio Lower Upper

240 100

120 16.8 10.7 16.1

236 29.3 23.1 34.7

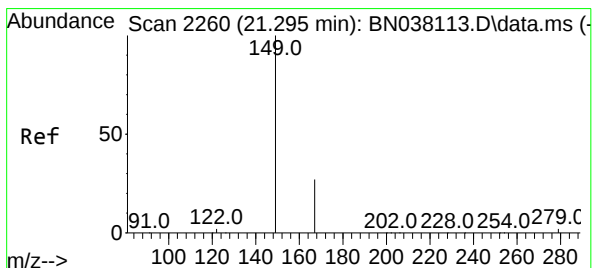
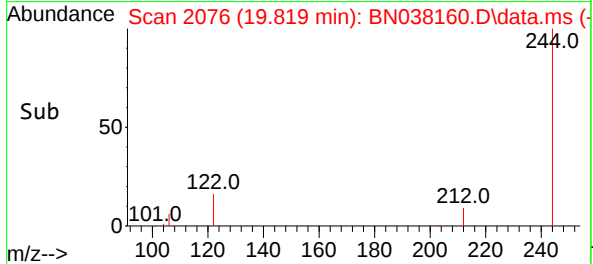
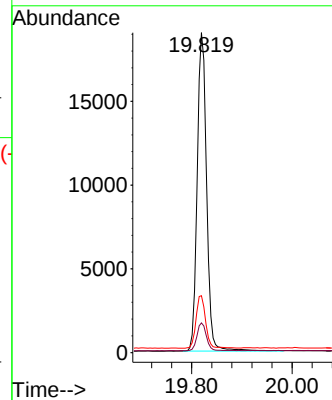
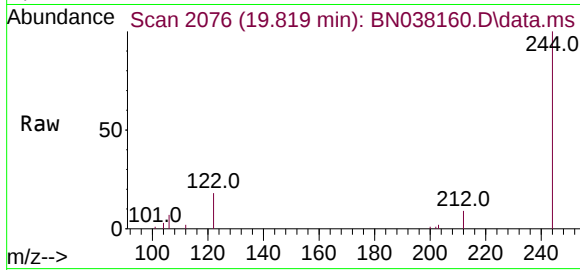




#31
Terphenyl-d14
Concen: 0.623 ng
RT: 19.819 min Scan# 2076
Delta R.T. 0.000 min
Lab File: BN038160.D
Acq: 07 Nov 2025 18:34

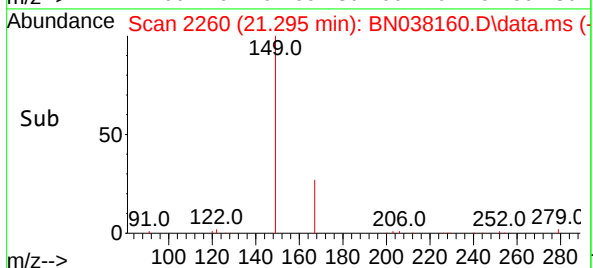
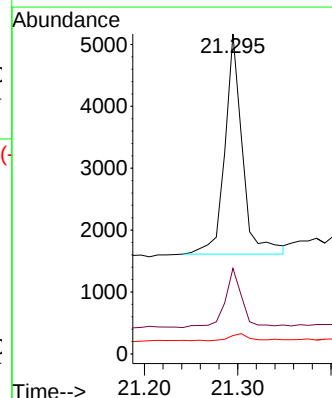
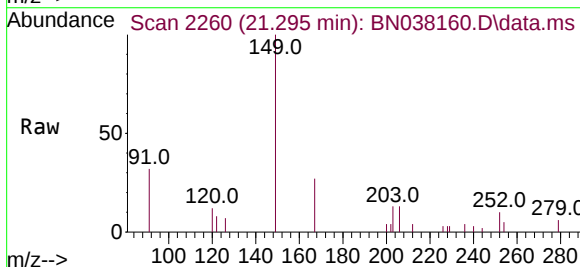
Instrument :
BNA_N
ClientSampleId :
MW-10

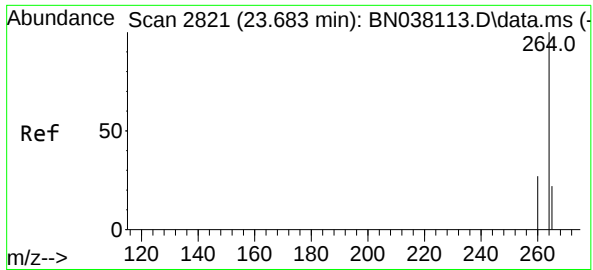
Tgt Ion:244	Resp:	24820
Ion Ratio	Lower	Upper
244	100	
212	9.3	7.8 11.6
122	17.8	15.2 22.8



#34
Bis(2-ethylhexyl)phthalate
Concen: 0.135 ng
RT: 21.295 min Scan# 2260
Delta R.T. 0.000 min
Lab File: BN038160.D
Acq: 07 Nov 2025 18:34

Tgt Ion:149	Resp:	4647
Ion Ratio	Lower	Upper
149	100	
167	26.3	21.1 31.7
279	3.6	2.9 4.3





#35

Perylene-d12

Concen: 0.400 ng

RT: 23.686 min Scan# 2821

Delta R.T. 0.006 min

Lab File: BN038160.D

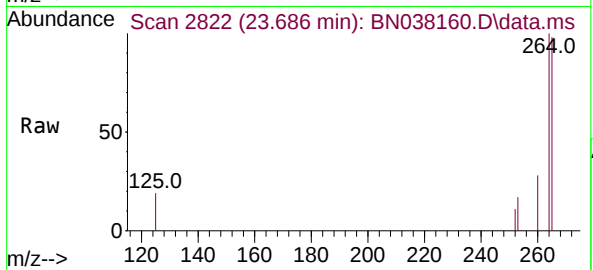
Acq: 07 Nov 2025 18:34

Instrument :

BNA_N

ClientSampleId :

MW-10



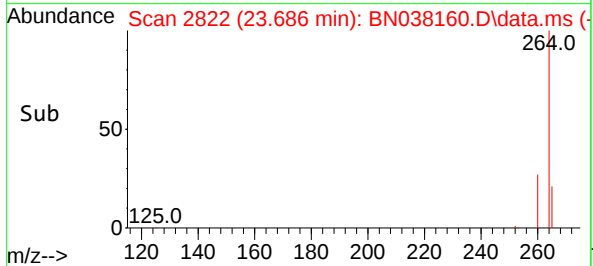
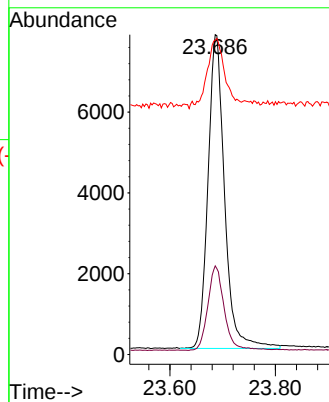
Tgt Ion:264 Resp: 16948

Ion Ratio Lower Upper

264 100

260 27.7 21.8 32.8

265 98.3 68.6 102.8



Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN110725\
 Data File : BN038156.D
 Acq On : 07 Nov 2025 16:10
 Operator : RC/JU
 Sample : Q3552-05
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 MW-3

Manual Integrations
 APPROVED

Reviewed By :Rahul Chavli 11/10/2025
 Supervised By :Jagrut Upadhyay 11/10/2025

Quant Time: Nov 07 17:16:07 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN102825.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Oct 29 13:09:46 2025
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.775	152	10844	0.400	ng	0.00
7) Naphthalene-d8	10.573	136	36387	0.400	ng	# 0.00
13) Acenaphthene-d10	14.430	164	31553	0.400	ng	# 0.00
19) Phenanthrene-d10	17.186	188	41176	0.400	ng	# 0.00
29) Chrysene-d12	21.375	240	24174	0.400	ng	# 0.00
35) Perylene-d12	23.689	264	21532	0.400	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.348	112	7616	0.298	ng	0.00
5) Phenol-d6	6.937	99	4714	0.152	ng	0.00
8) Nitrobenzene-d5	8.929	82	12578	0.428	ng	0.00
11) 2-Methylnaphthalene-d10	12.172	152	22349	0.430	ng	0.00
14) 2,4,6-Tribromophenol	15.932	330	5171	0.398	ng	0.00
15) 2-Fluorobiphenyl	13.051	172	35582	0.282	ng	0.00
27) Fluoranthene-d10	19.220	212	36874	0.355	ng	0.00
31) Terphenyl-d14	19.819	244	28579	0.544	ng	0.00
Target Compounds						
2) 1,4-Dioxane	3.247	88	142637	12.730	ng	98
9) Naphthalene	10.626	128	10316	0.103	ng	# 77
12) 2-Methylnaphthalene	12.248	142	20729	0.310	ng	# 92
17) Acenaphthene	14.494	154	20901	0.209	ng	97
18) Fluorene	15.489	166	13238	0.101	ng	# 87
20) 4,6-Dinitro-2-methylph...	15.489	198	632	0.264	ng	# 1
25) Phenanthrene	17.223	178	3795m	0.029	ng	
26) Anthracene	17.322	178	11096	0.097	ng	# 84
32) Benzo(a)anthracene	21.357	228	5019	0.058	ng	# 50
34) Bis(2-ethylhexyl)phtha...	21.295	149	18095	0.398	ng	97

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

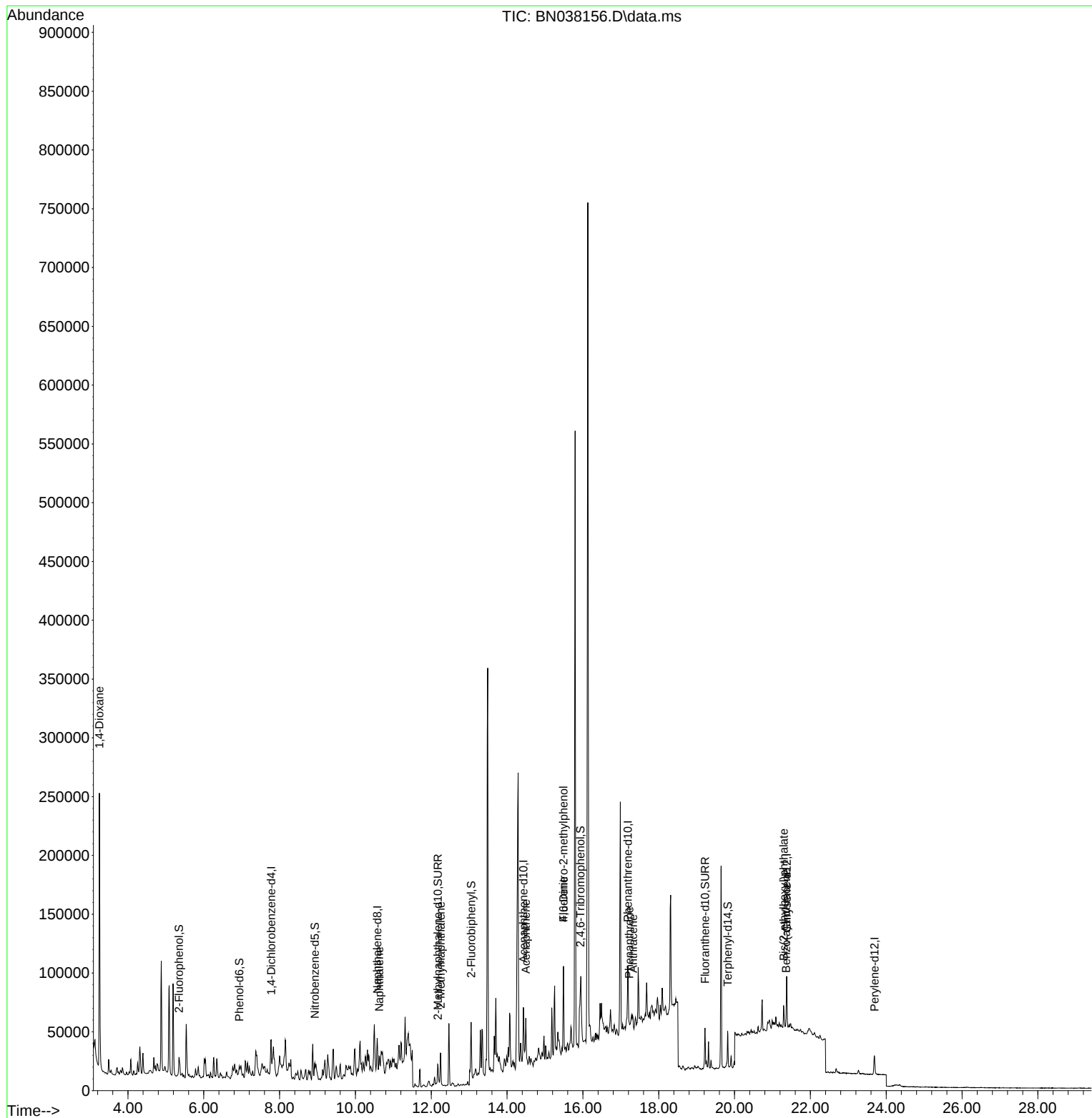
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Data File : BN038156.D
Acq On : 07 Nov 2025 16:10
Operator : RC/JU
Sample : Q3552-05
Misc :
ALS Vial : 11 Sample Multiplier: 1

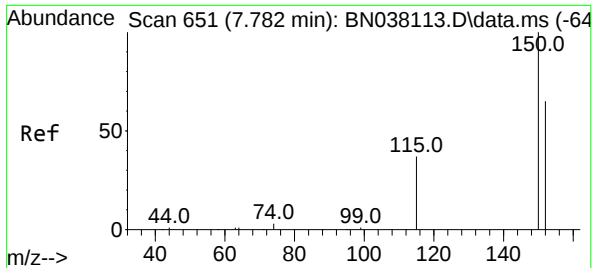
Instrument :
BNA_N
ClientSampleId :
MW-3

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 11/10/2025
Supervised By :Jagrut Upadhyay 11/10/2025

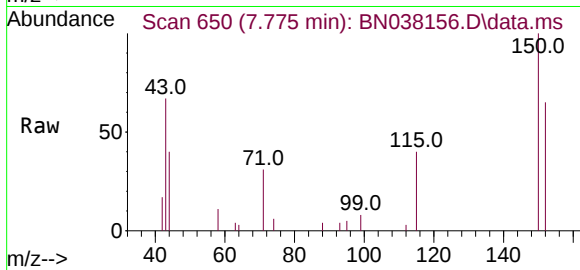
Quant Time: Nov 07 17:16:07 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN102825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Oct 29 13:09:46 2025
Response via : Initial Calibration





#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.775 min Scan# 61
Delta R.T. -0.000 min
Lab File: BN038156.D
Acq: 07 Nov 2025 16:10

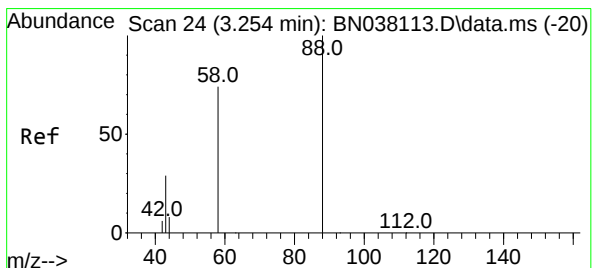
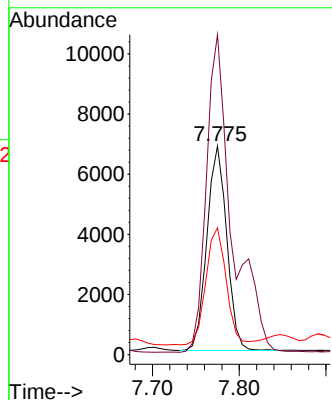
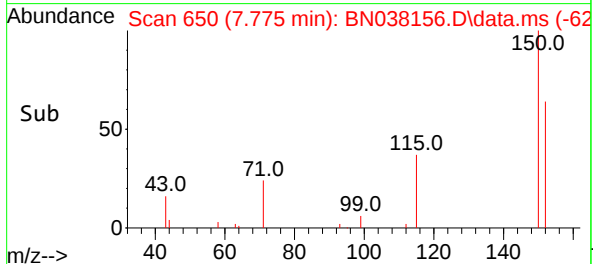
Instrument :
BNA_N
ClientSampleId :
MW-3



Tgt Ion:152 Resp: 10844
Ion Ratio Lower Upper
152 100
150 153.4 122.3 183.5
115 60.8 47.4 71.0

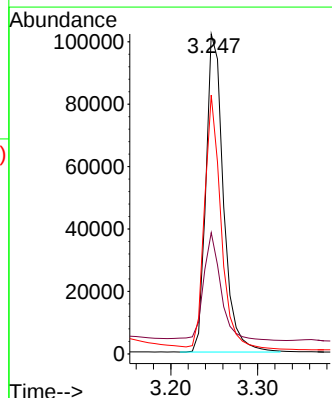
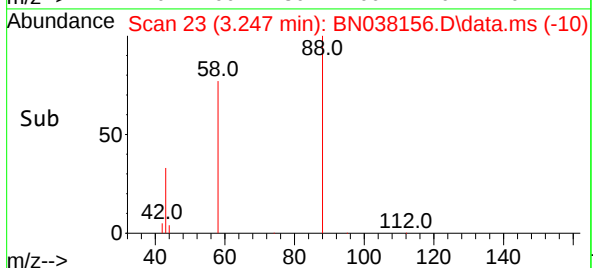
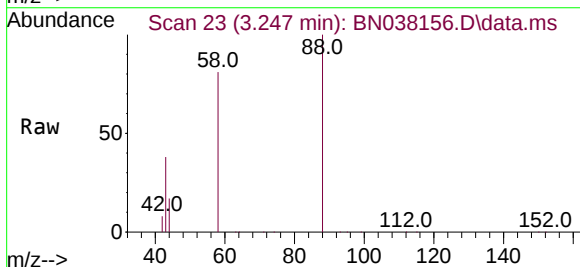
Manual Integrations
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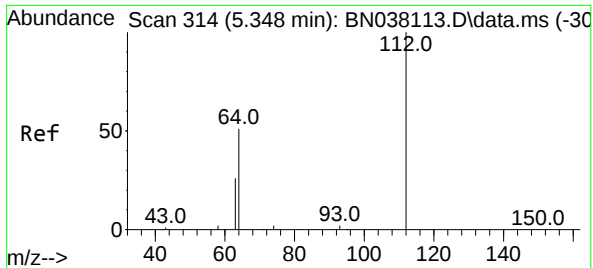
Reviewed By :Rahul Chavli 11/10/2025
Supervised By :Jagrut Upadhyay 11/10/2025



#2
1,4-Dioxane
Concen: 12.730 ng
RT: 3.247 min Scan# 23
Delta R.T. -0.007 min
Lab File: BN038156.D
Acq: 07 Nov 2025 16:10

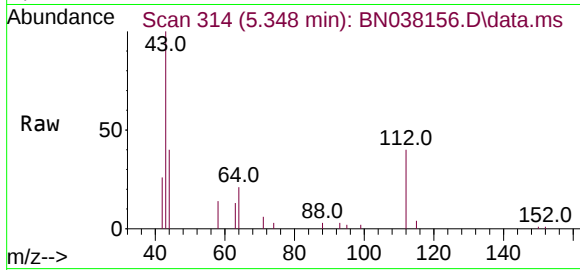
Tgt Ion: 88 Resp: 142637
Ion Ratio Lower Upper
88 100
43 33.6 24.3 36.5
58 75.3 60.4 90.6





#4
2-Fluorophenol
Concen: 0.298 ng
RT: 5.348 min Scan# 314
Delta R.T. -0.000 min
Lab File: BN038156.D
Acq: 07 Nov 2025 16:10

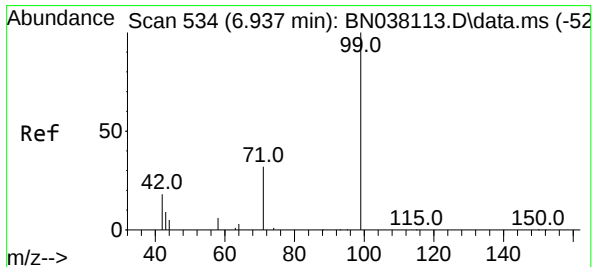
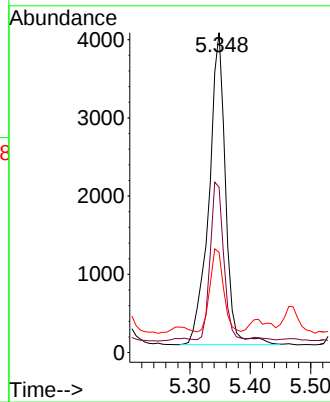
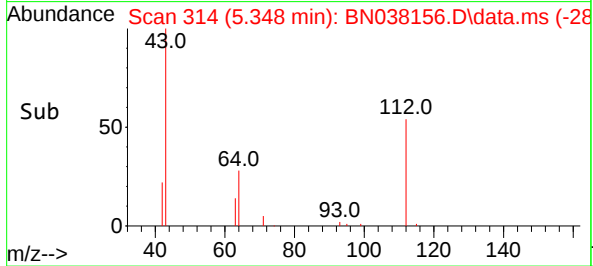
Instrument :
BNA_N
ClientSampleId :
MW-3



Tgt Ion: 112 Resp: 7616
Ion Ratio Lower Upper
112 100
64 40.8 45.4 68.0#
63 22.6 23.2 34.8#

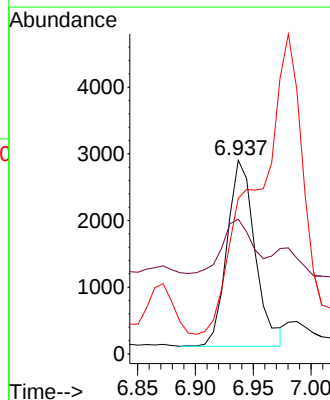
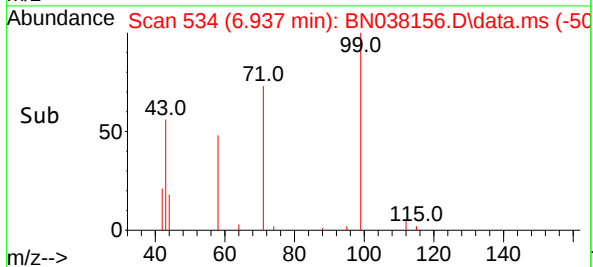
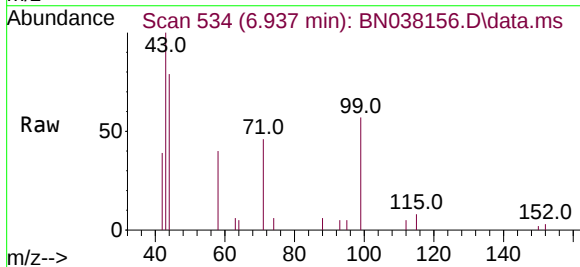
Manual Integrations
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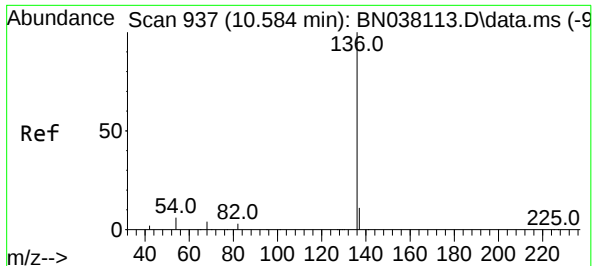
Reviewed By :Rahul Chavli 11/10/2025
Supervised By :Jagrut Upadhyay 11/10/2025



#5
Phenol-d6
Concen: 0.152 ng
RT: 6.937 min Scan# 534
Delta R.T. -0.000 min
Lab File: BN038156.D
Acq: 07 Nov 2025 16:10

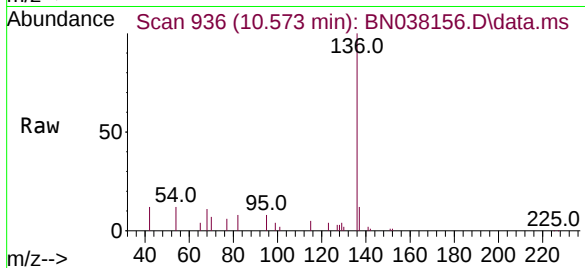
Tgt Ion: 99 Resp: 4714
Ion Ratio Lower Upper
99 100
42 30.7 16.6 24.8#
71 0.0 25.4 38.2#





#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.573 min Scan# 937
Delta R.T. -0.000 min
Lab File: BN038156.D
Acq: 07 Nov 2025 16:10

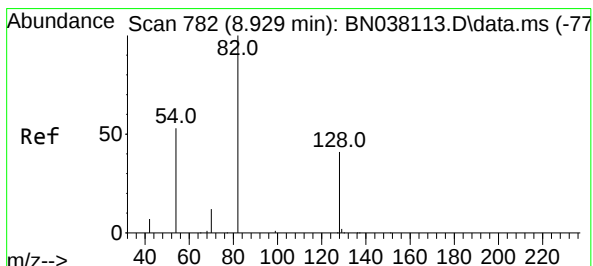
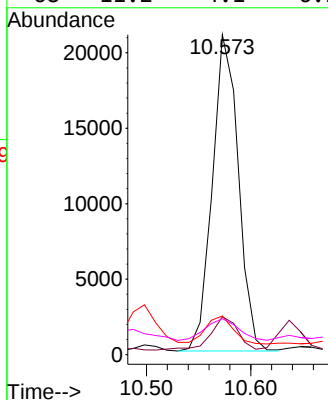
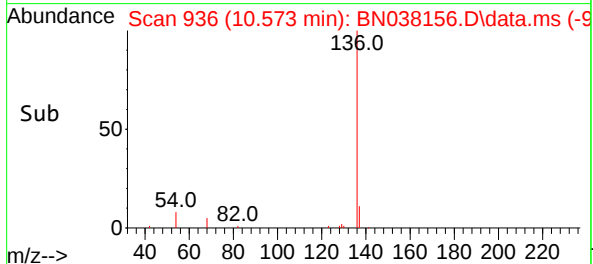
Instrument :
BNA_N
ClientSampleId :
MW-3



Tgt Ion: 136 Resp: 3638
Ion Ratio Lower Upper
136 100
137 11.8 9.0 13.4
54 12.1 5.2 7.8
68 11.2 4.1 6.1

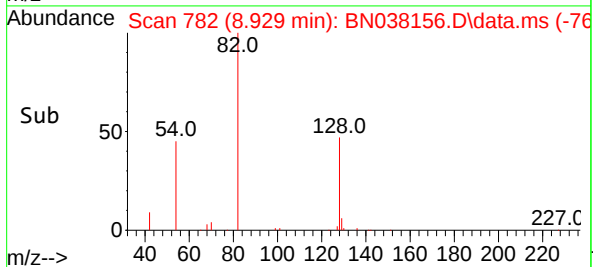
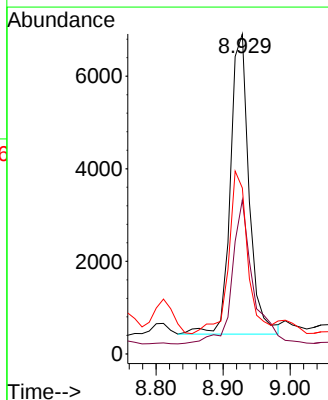
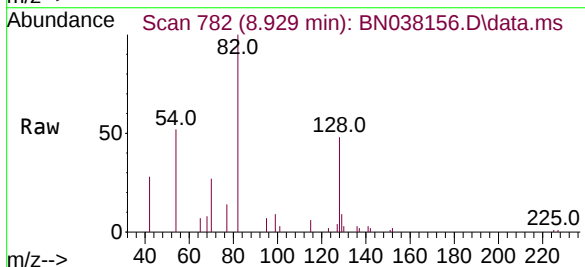
Manual Integrations
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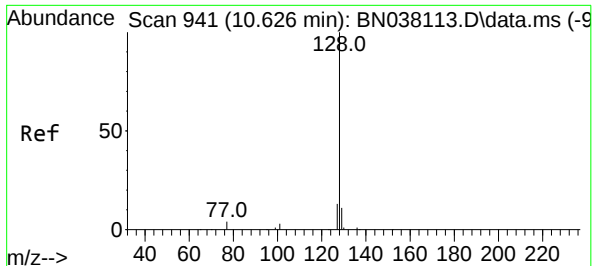
Reviewed By :Rahul Chavli 11/10/2025
Supervised By :Jagrut Upadhyay 11/10/2025



#8
Nitrobenzene-d5
Concen: 0.428 ng
RT: 8.929 min Scan# 782
Delta R.T. -0.000 min
Lab File: BN038156.D
Acq: 07 Nov 2025 16:10

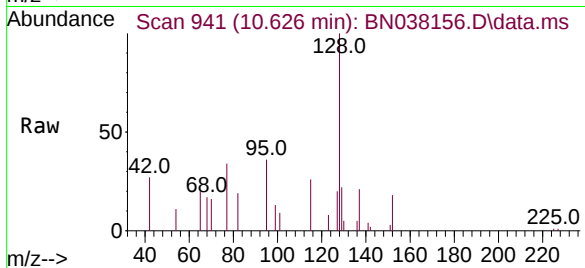
Tgt Ion: 82 Resp: 12578
Ion Ratio Lower Upper
82 100
128 48.1 34.1 51.1
54 51.8 43.5 65.3





#9
Naphthalene
Concen: 0.103 ng
RT: 10.626 min Scan# 941
Delta R.T. -0.000 min
Lab File: BN038156.D
Acq: 07 Nov 2025 16:10

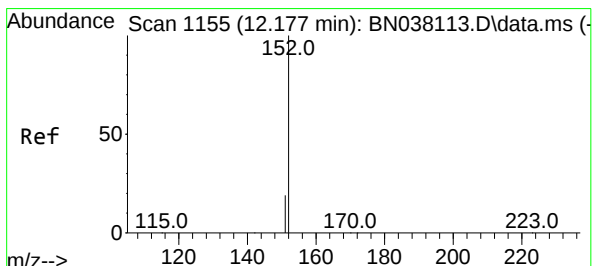
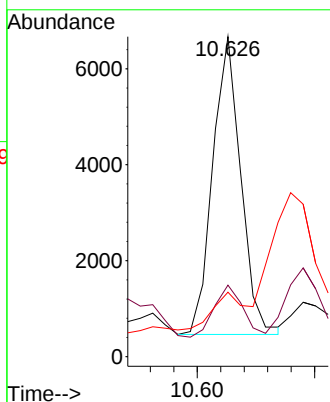
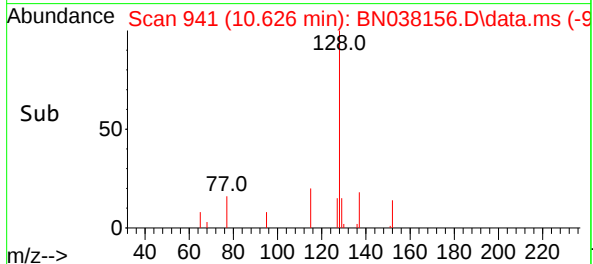
Instrument :
BNA_N
ClientSampleId :
MW-3



Tgt Ion:128 Resp: 10316
Ion Ratio Lower Upper
128 100
129 22.3 9.1 13.7
127 20.1 10.5 15.7

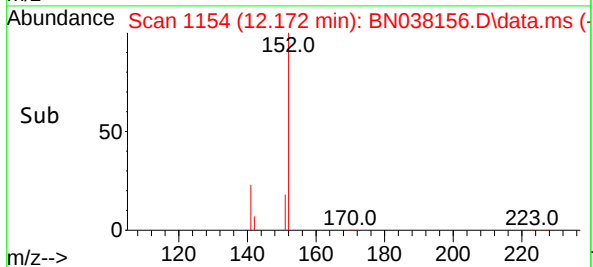
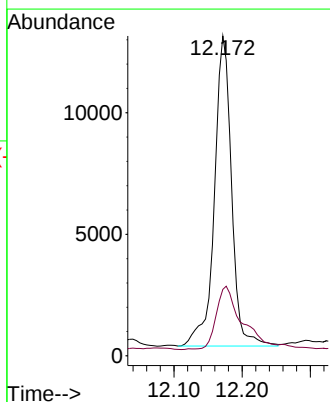
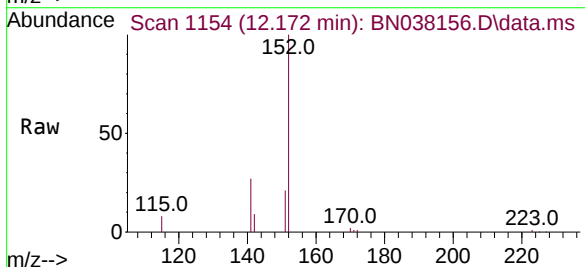
Manual Integrations
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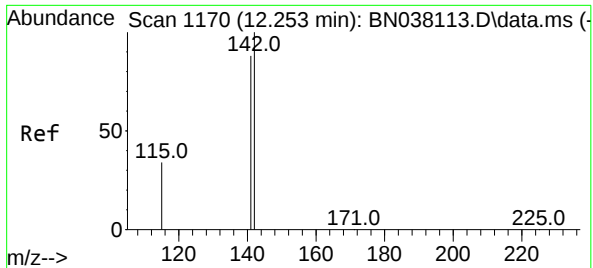
Reviewed By :Rahul Chavli 11/10/2025
Supervised By :Jagrut Upadhyay 11/10/2025



#11
2-Methylnaphthalene-d10
Concen: 0.430 ng
RT: 12.172 min Scan# 1154
Delta R.T. -0.005 min
Lab File: BN038156.D
Acq: 07 Nov 2025 16:10

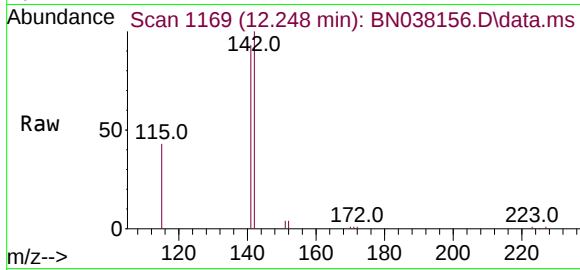
Tgt Ion:152 Resp: 22349
Ion Ratio Lower Upper
152 100
151 32.6 16.8 25.2





#12
2-Methylnaphthalene
Concen: 0.310 ng
RT: 12.248 min Scan# 1169
Delta R.T. -0.000 min
Lab File: BN038156.D
Acq: 07 Nov 2025 16:10

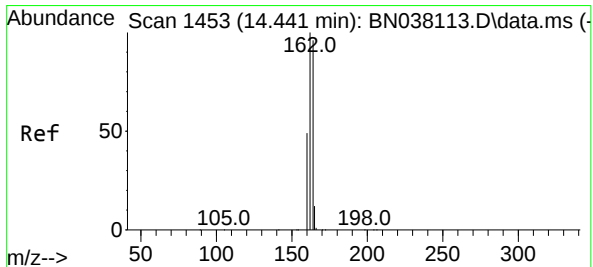
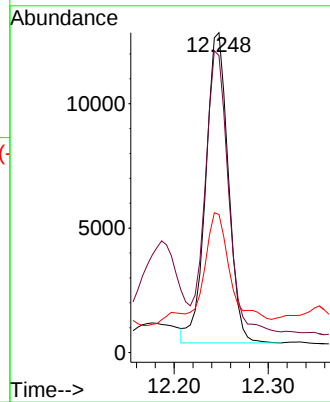
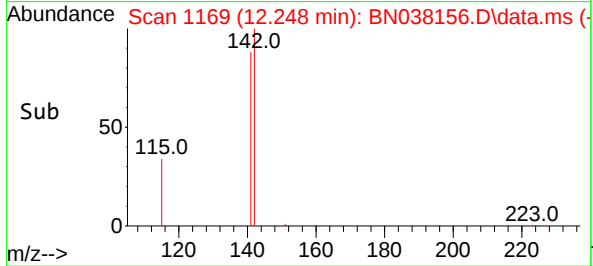
Instrument :
BNA_N
ClientSampleId :
MW-3



Tgt Ion:142 Resp: 20729
Ion Ratio Lower Upper
142 100
141 92.8 70.3 105.5
115 43.2 27.8 41.6

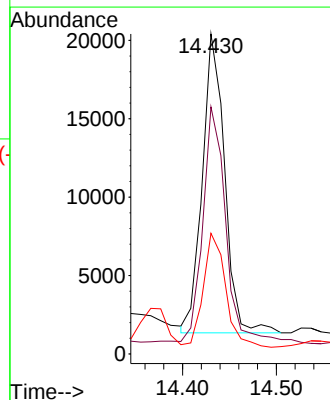
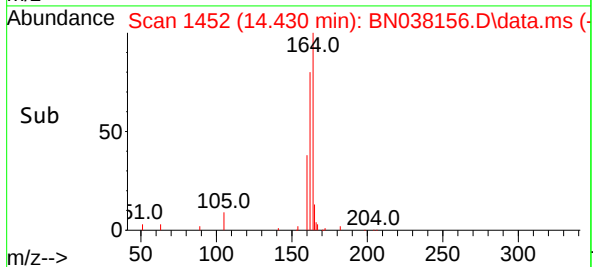
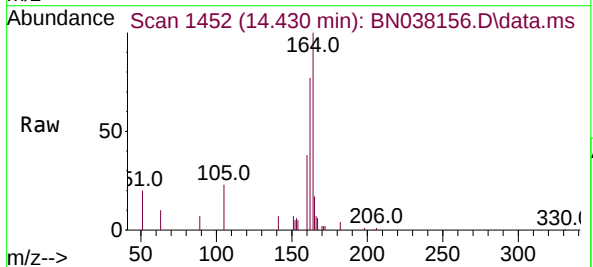
Manual Integrations
APPROVED

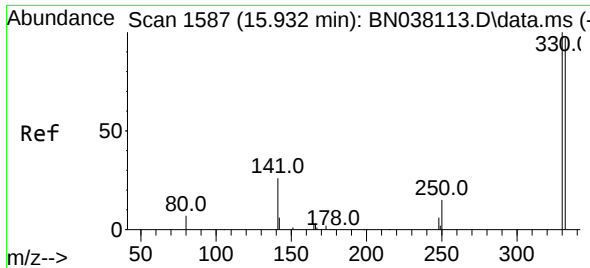
Reviewed By :Rahul Chavli 11/10/2025
Supervised By :Jagrut Upadhyay 11/10/2025



#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.430 min Scan# 1452
Delta R.T. -0.000 min
Lab File: BN038156.D
Acq: 07 Nov 2025 16:10

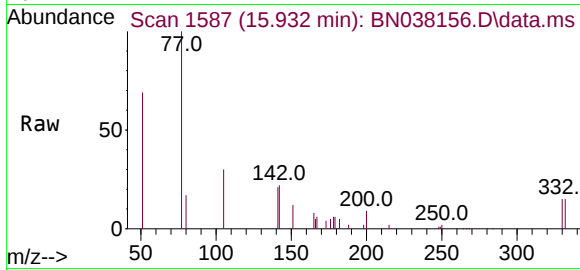
Tgt Ion:164 Resp: 31553
Ion Ratio Lower Upper
164 100
162 77.2 83.0 124.4#
160 37.7 40.7 61.1#





#14
2,4,6-Tribromophenol
Concen: 0.398 ng
RT: 15.932 min Scan# 11
Delta R.T. 0.000 min
Lab File: BN038156.D
Acq: 07 Nov 2025 16:10

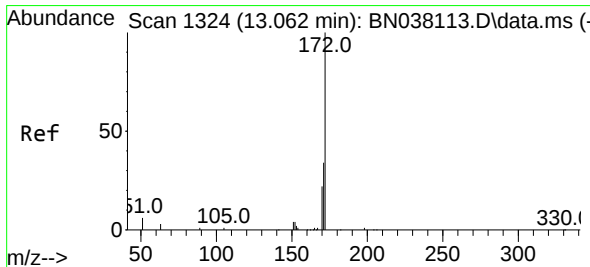
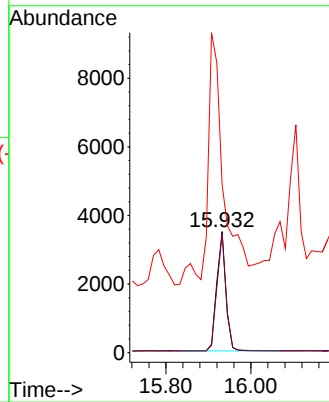
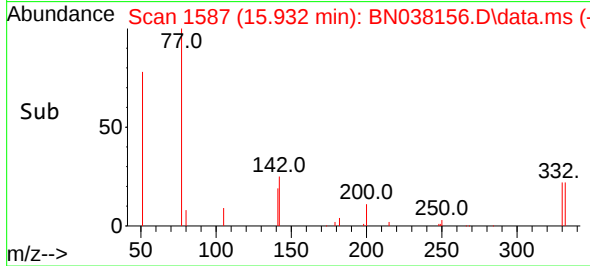
Instrument :
BNA_N
ClientSampleId :
MW-3



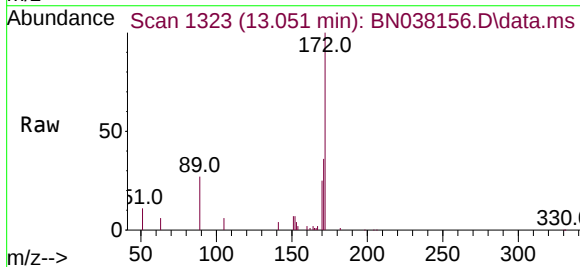
Tgt Ion: 330 Resp: 517
Ion Ratio Lower Upper
330 100
332 97.4 76.6 114.8
141 0.0 34.1 51.1

Manual Integrations
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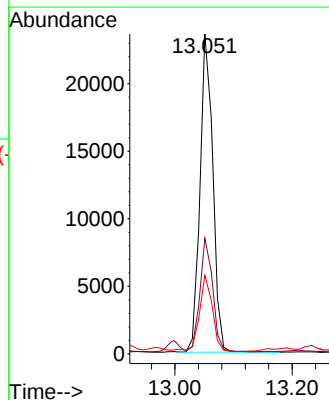
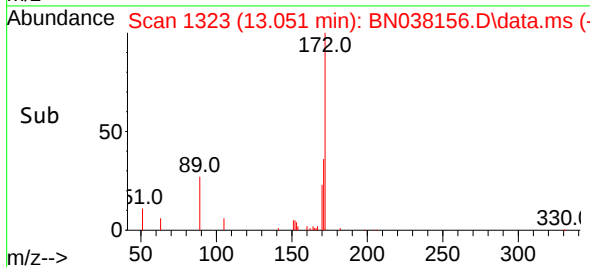
Reviewed By :Rahul Chavli 11/10/2025
Supervised By :Jagrut Upadhyay 11/10/2025

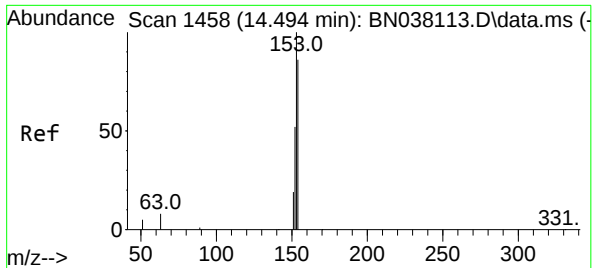


#15
2-Fluorobiphenyl
Concen: 0.282 ng
RT: 13.051 min Scan# 1323
Delta R.T. -0.000 min
Lab File: BN038156.D
Acq: 07 Nov 2025 16:10



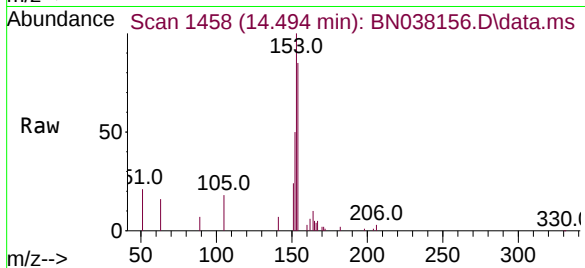
Tgt Ion: 172 Resp: 35582
Ion Ratio Lower Upper
172 100
171 36.1 27.8 41.6
170 24.5 18.1 27.1





#17
Acenaphthene
Concen: 0.209 ng
RT: 14.494 min Scan# 1458
Delta R.T. -0.000 min
Lab File: BN038156.D
Acq: 07 Nov 2025 16:10

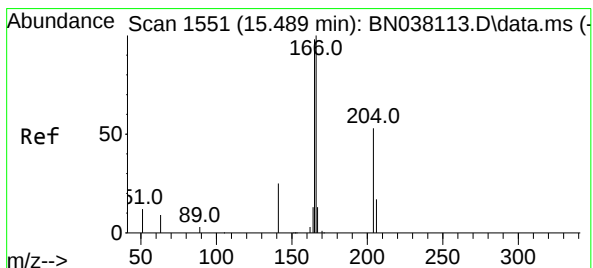
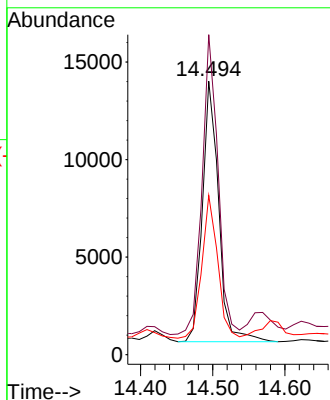
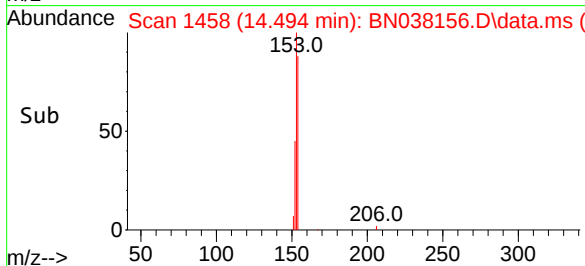
Instrument :
BNA_N
ClientSampleId :
MW-3



Tgt Ion:154 Resp: 2090
Ion Ratio Lower Upper
154 100
153 111.8 90.0 135.0
152 52.9 47.3 70.9

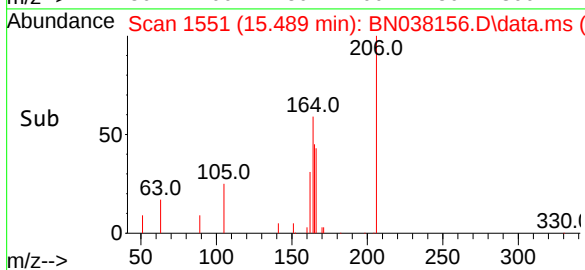
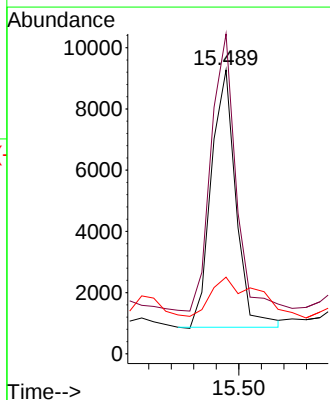
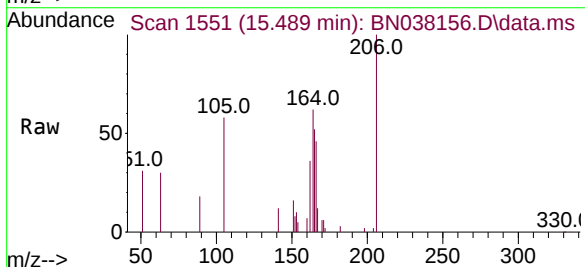
Manual Integrations
APPROVED

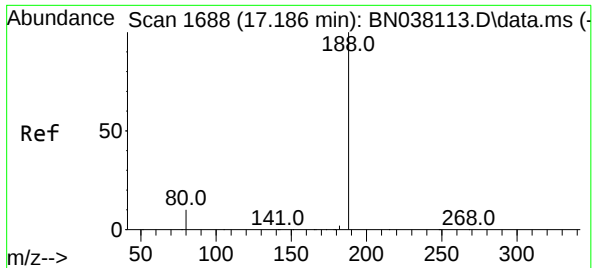
Reviewed By :Rahul Chavli 11/10/2025
Supervised By :Jagrut Upadhyay 11/10/2025



#18
Fluorene
Concen: 0.101 ng
RT: 15.489 min Scan# 1551
Delta R.T. -0.000 min
Lab File: BN038156.D
Acq: 07 Nov 2025 16:10

Tgt Ion:166 Resp: 13238
Ion Ratio Lower Upper
166 100
165 108.0 79.0 118.4
167 29.6 10.7 16.1#





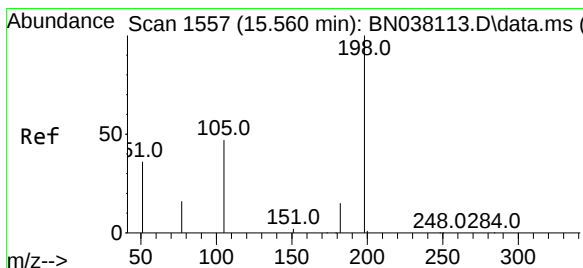
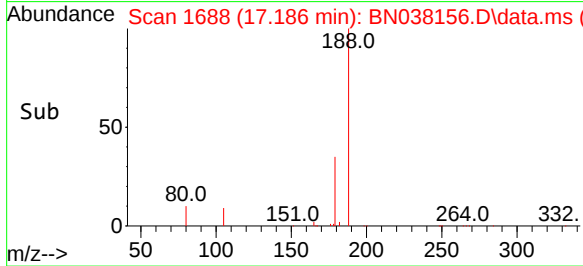
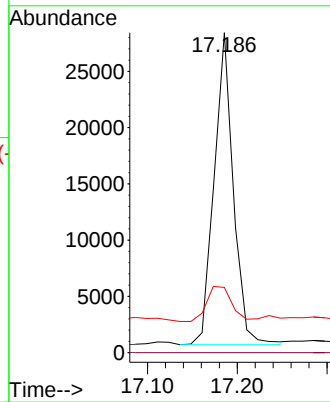
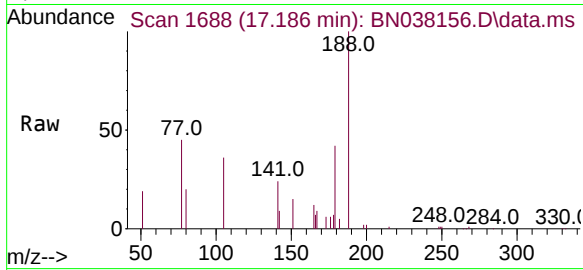
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.186 min Scan# 1688
Delta R.T. -0.000 min
Lab File: BN038156.D
Acq: 07 Nov 2025 16:10

Instrument :
BNA_N
ClientSampleId :
MW-3

Tgt Ion:188 Resp: 41176
Ion Ratio Lower Upper
188 100
94 0.0 0.0 0.0
80 20.4 8.6 13.0

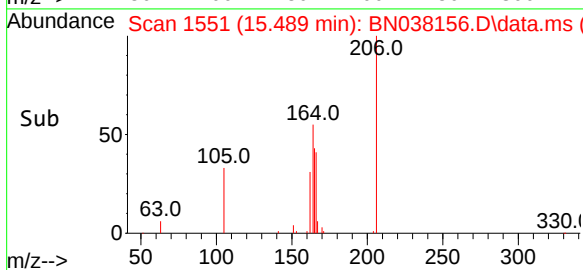
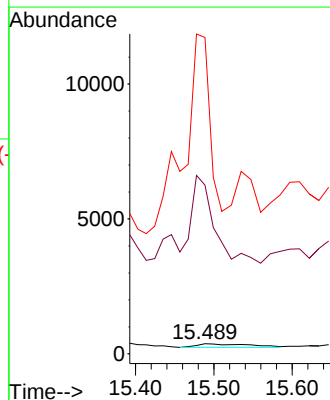
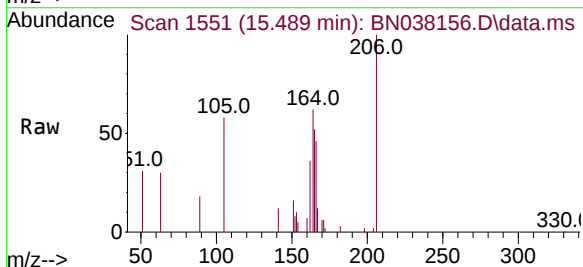
Manual Integrations
APPROVED

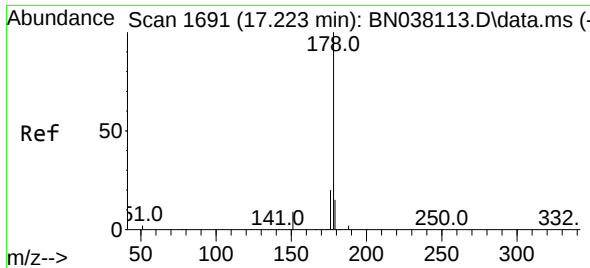
Reviewed By :Rahul Chavli 11/10/2025
Supervised By :Jagrut Upadhyay 11/10/2025



#20
4,6-Dinitro-2-methylphenol
Concen: 0.264 ng
RT: 15.489 min Scan# 1551
Delta R.T. -0.071 min
Lab File: BN038156.D
Acq: 07 Nov 2025 16:10

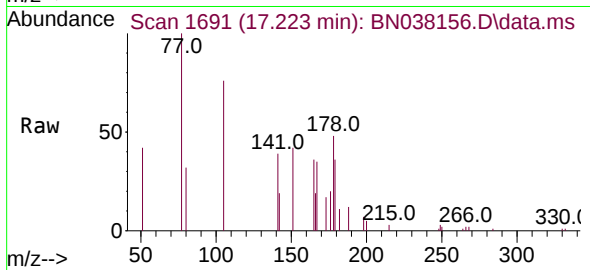
Tgt Ion:198 Resp: 632
Ion Ratio Lower Upper
198 100
51 1668.3 88.9 133.3#
105 3127.5 49.2 73.8#





#25
Phenanthrene
Concen: 0.029 ng m
RT: 17.223 min Scan# 1691
Delta R.T. -0.000 min
Lab File: BN038156.D
Acq: 07 Nov 2025 16:10

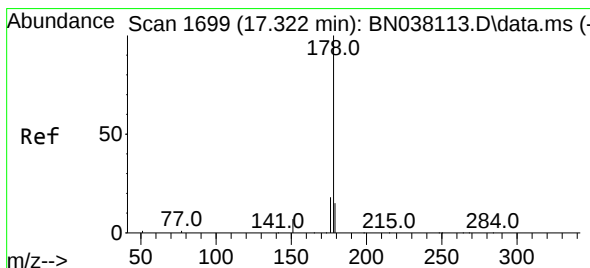
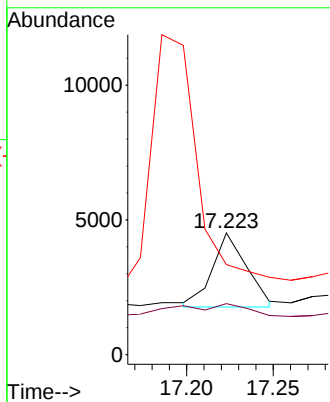
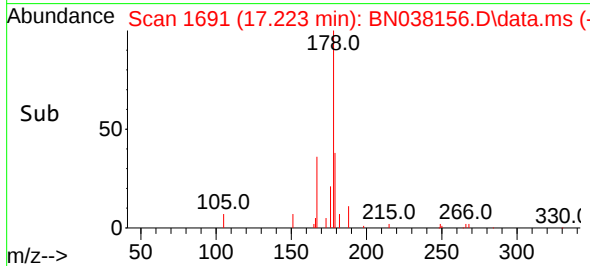
Instrument :
BNA_N
ClientSampleId :
MW-3



Tgt Ion:178 Resp: 3795
Ion Ratio Lower Upper
178 100
176 17.9 15.5 23.3
179 15.8 12.2 18.4

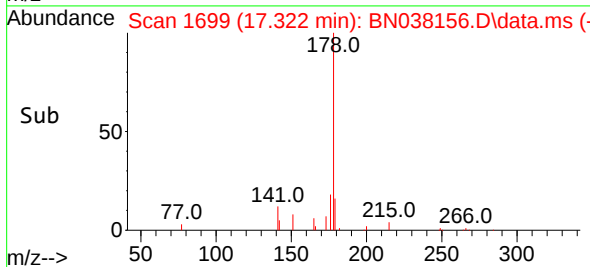
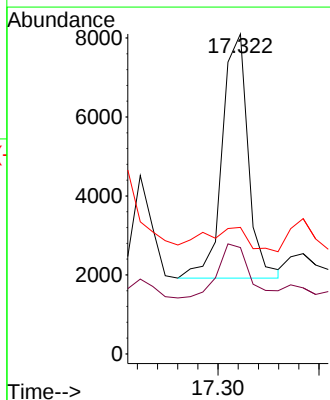
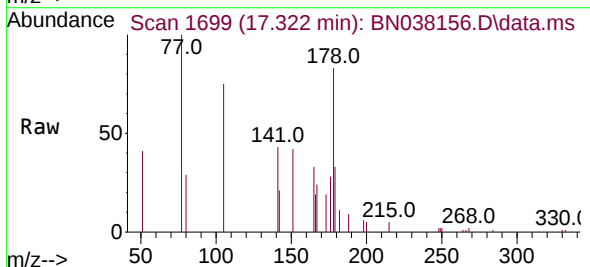
Manual Integrations
APPROVED

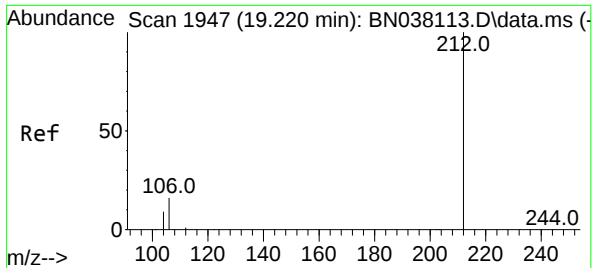
Reviewed By :Rahul Chavli 11/10/2025
Supervised By :Jagrut Upadhyay 11/10/2025



#26
Anthracene
Concen: 0.097 ng
RT: 17.322 min Scan# 1699
Delta R.T. -0.000 min
Lab File: BN038156.D
Acq: 07 Nov 2025 16:10

Tgt Ion:178 Resp: 11096
Ion Ratio Lower Upper
178 100
176 27.3 14.9 22.3#
179 19.3 11.8 17.8#





#27

Fluoranthene-d10

Concen: 0.355 ng

RT: 19.220 min Scan# 1947

Delta R.T. -0.000 min

Lab File: BN038156.D

Acq: 07 Nov 2025 16:10

Instrument :

BNA_N

ClientSampleId :

MW-3

Tgt Ion:212 Resp: 36874

Ion Ratio Lower Upper

212 100

106 19.5 12.6 19.0

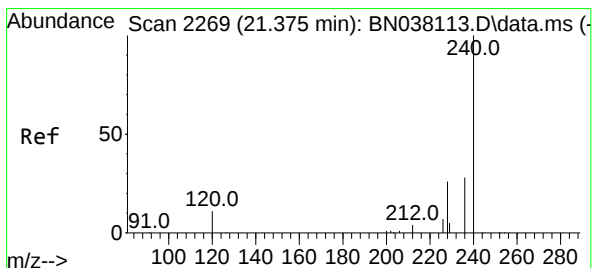
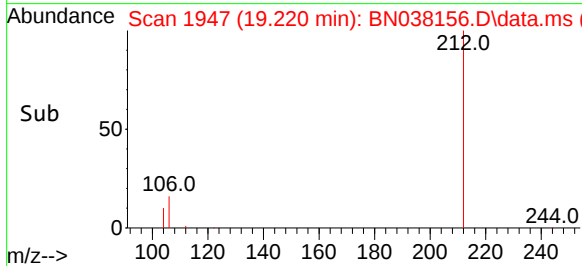
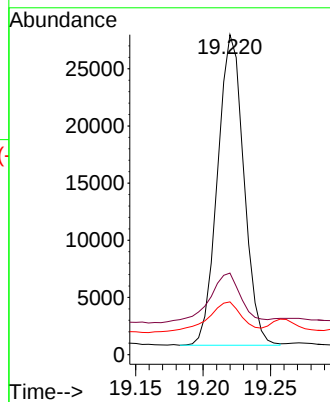
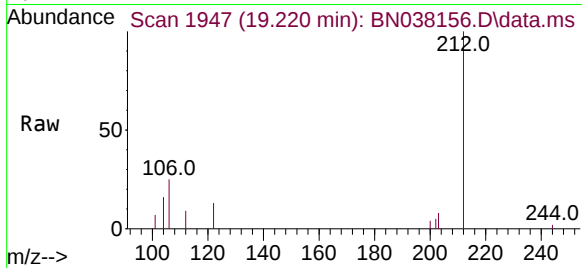
104 13.2 7.1 10.7

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 11/10/2025

Supervised By :Jagrut Upadhyay 11/10/2025



#29

Chrysene-d12

Concen: 0.400 ng

RT: 21.375 min Scan# 2269

Delta R.T. -0.000 min

Lab File: BN038156.D

Acq: 07 Nov 2025 16:10

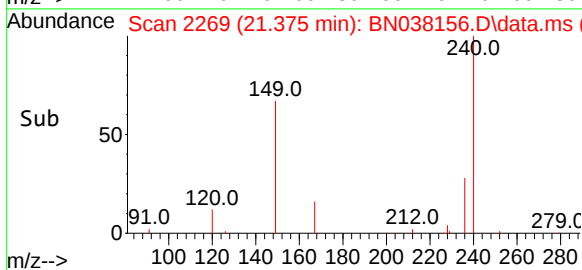
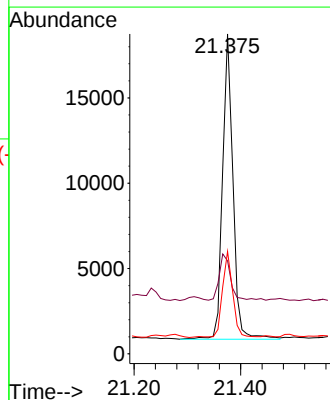
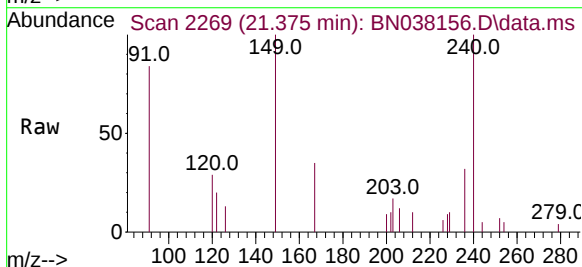
Tgt Ion:240 Resp: 24174

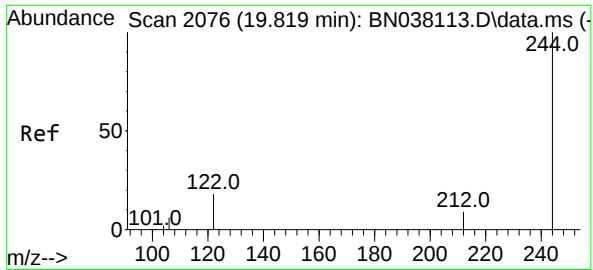
Ion Ratio Lower Upper

240 100

120 29.1 10.7 16.1

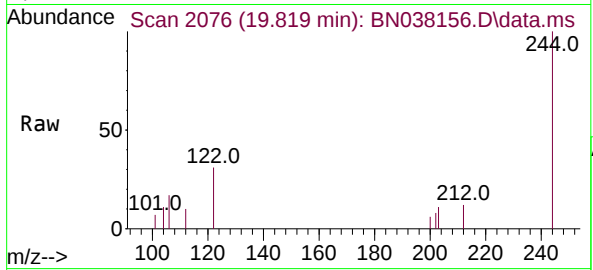
236 32.0 23.1 34.7





#31
Terphenyl-d14
Concen: 0.544 ng
RT: 19.819 min Scan# 2076
Delta R.T. -0.000 min
Lab File: BN038156.D
Acq: 07 Nov 2025 16:10

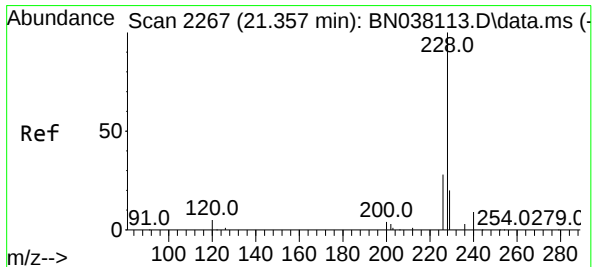
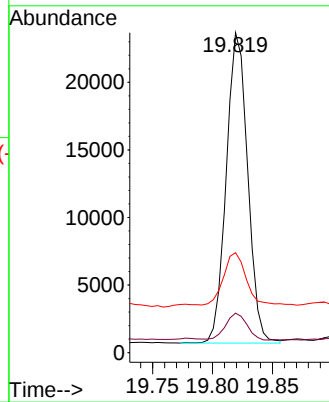
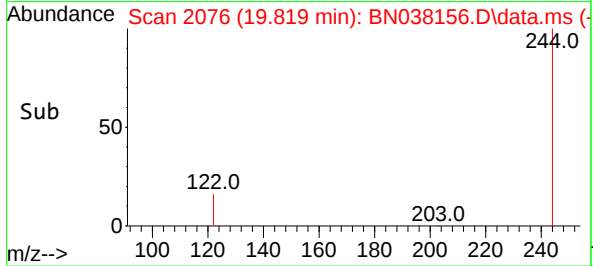
Instrument :
BNA_N
ClientSampleId :
MW-3



Tgt Ion:244 Resp: 28579
Ion Ratio Lower Upper
244 100
212 12.3 7.8 11.6#
122 31.2 15.2 22.8#

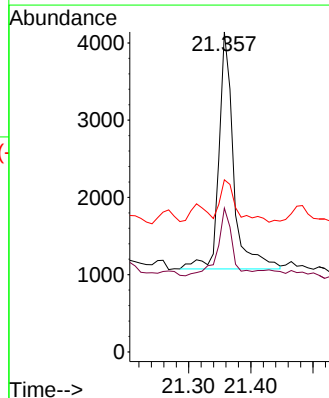
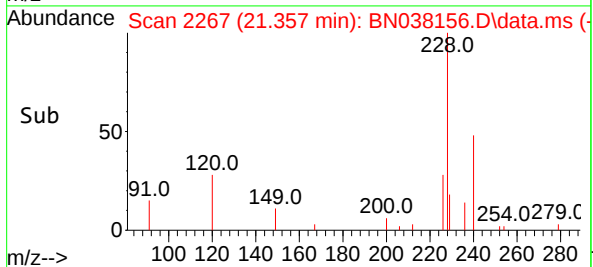
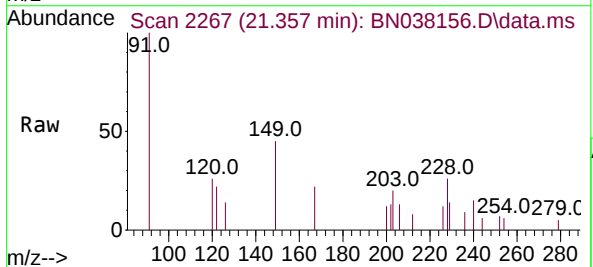
Manual Integrations
APPROVED

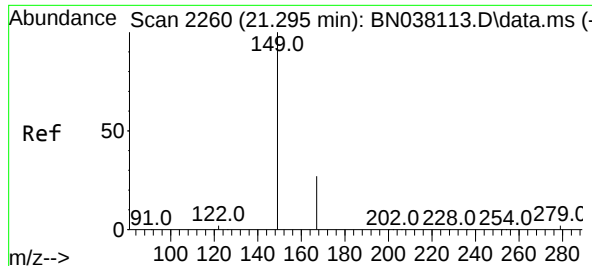
Reviewed By :Rahul Chavli 11/10/2025
Supervised By :Jagrut Upadhyay 11/10/2025



#32
Benzo(a)anthracene
Concen: 0.058 ng
RT: 21.357 min Scan# 2267
Delta R.T. -0.000 min
Lab File: BN038156.D
Acq: 07 Nov 2025 16:10

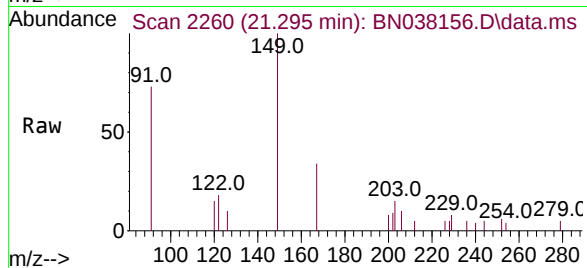
Tgt Ion:228 Resp: 5019
Ion Ratio Lower Upper
228 100
226 44.9 22.2 33.4#
229 53.8 15.8 23.8#





#34
Bis(2-ethylhexyl)phthalate
Concen: 0.398 ng
RT: 21.295 min Scan# 21
Delta R.T. -0.000 min
Lab File: BN038156.D
Acq: 07 Nov 2025 16:10

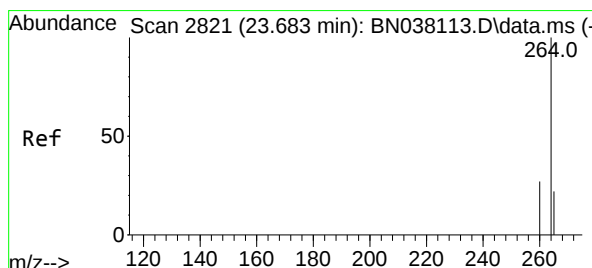
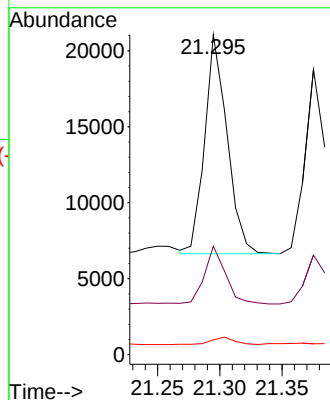
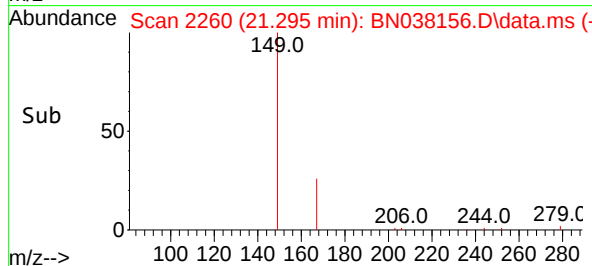
Instrument :
BNA_N
ClientSampleId :
MW-3



Tgt Ion:149 Resp: 18095
Ion Ratio Lower Upper
149 100
167 24.7 21.1 31.7
279 3.5 2.9 4.3

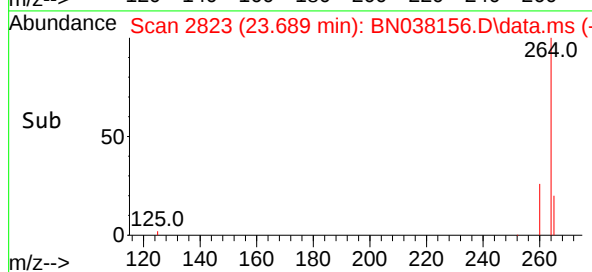
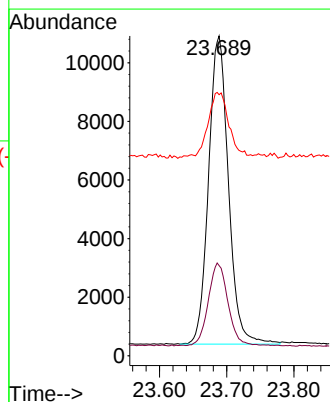
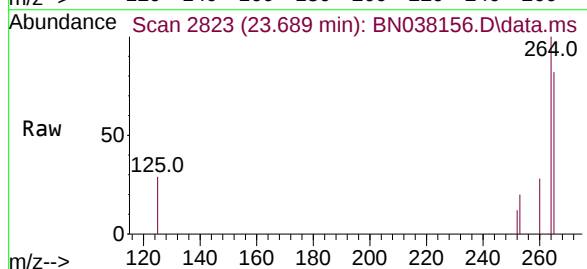
Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 11/10/2025
Supervised By :Jagrut Upadhyay 11/10/2025



#35
Perylene-d12
Concen: 0.400 ng
RT: 23.689 min Scan# 2823
Delta R.T. 0.009 min
Lab File: BN038156.D
Acq: 07 Nov 2025 16:10

Tgt Ion:264 Resp: 21532
Ion Ratio Lower Upper
264 100
260 28.2 21.8 32.8
265 81.6 68.6 102.8



Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN111025\
 Data File : BN038178.D
 Acq On : 10 Nov 2025 12:39
 Operator : RC/JU
 Sample : Q3552-05DL 5X
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 MW-3DL

A
B
C
D
E
F
G
H
I
J
K

Quant Time: Nov 10 13:21:04 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN102825.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Oct 29 13:09:46 2025
 Response via : Initial Calibration

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

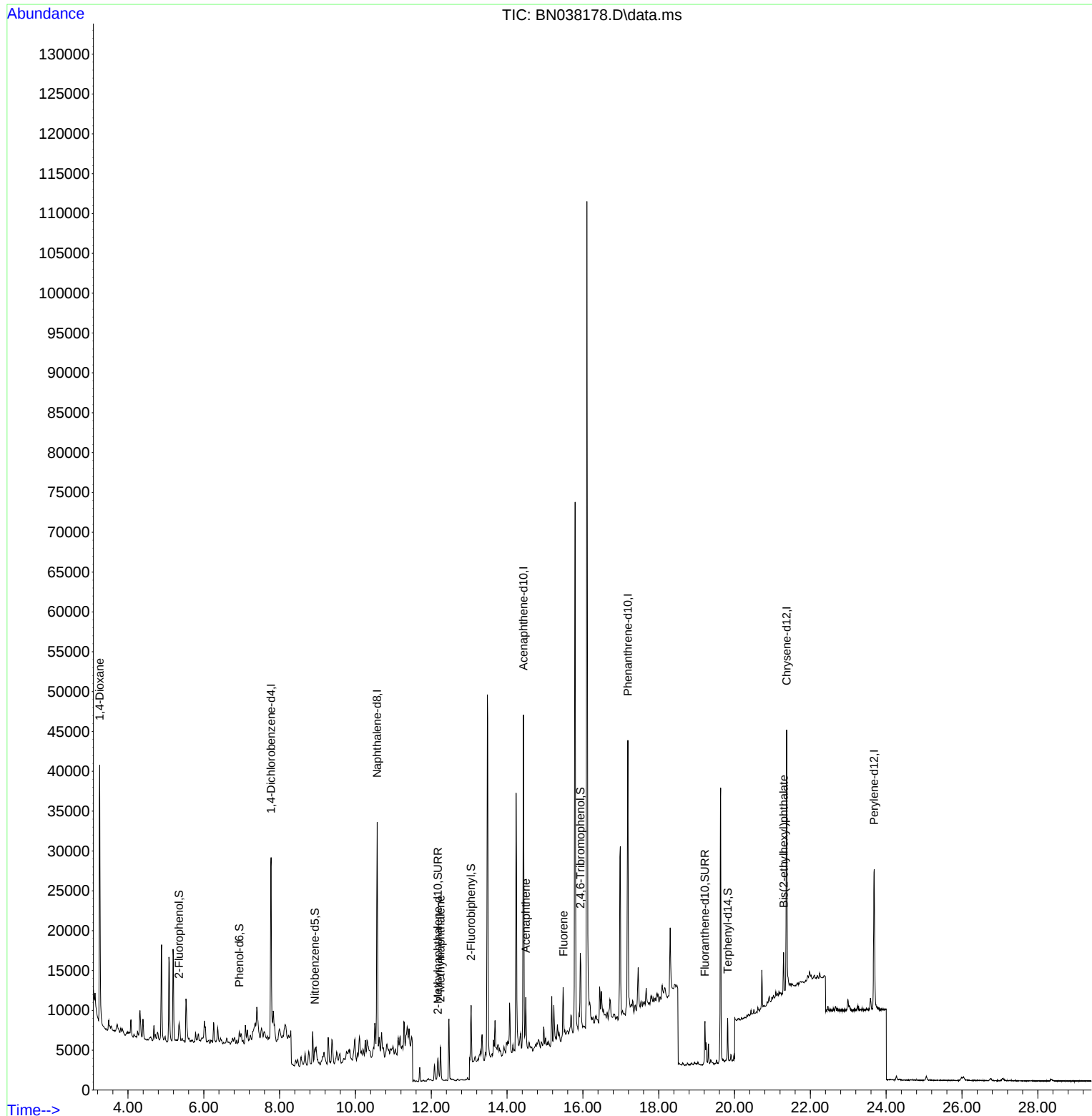
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.775	152	11254	0.400	ng	0.00
7) Naphthalene-d8	10.573	136	37609	0.400	ng	# 0.00
13) Acenaphthene-d10	14.430	164	24476	0.400	ng	0.00
19) Phenanthrene-d10	17.186	188	44166	0.400	ng	0.00
29) Chrysene-d12	21.375	240	28574	0.400	ng	0.00
35) Perylene-d12	23.683	264	24475	0.400	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.348	112	1062	0.040	ng	0.00
5) Phenol-d6	6.937	99	843	0.026	ng	0.00
8) Nitrobenzene-d5	8.929	82	1783	0.059	ng	0.00
11) 2-Methylnaphthalene-d10	12.172	152	3151	0.059	ng	0.00
14) 2,4,6-Tribromophenol	15.932	330	775	0.077	ng	0.00
15) 2-Fluorobiphenyl	13.051	172	5917	0.060	ng	0.00
27) Fluoranthene-d10	19.220	212	5929	0.053	ng	0.00
31) Terphenyl-d14	19.819	244	5253	0.085	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.254	88	21666	1.863	ng	98
12) 2-Methylnaphthalene	12.243	142	3016	0.044	ng	# 89
17) Acenaphthene	14.495	154	3342	0.043	ng	96
18) Fluorene	15.489	166	2311	0.023	ng	# 96
34) Bis(2-ethylhexyl)phtha...	21.295	149	5221	0.097	ng	# 95

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

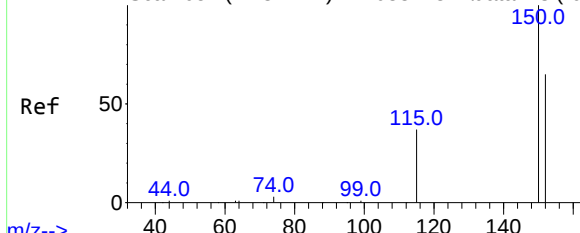
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN111025\
Data File : BN038178.D
Acq On : 10 Nov 2025 12:39
Operator : RC/JU
Sample : Q3552-05DL 5X
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
MW-3DL

Quant Time: Nov 10 13:21:04 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN102825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Oct 29 13:09:46 2025
Response via : Initial Calibration



Abundance Scan 651 (7.782 min): BN038113.D\data.ms (-64



#1

1,4-Dichlorobenzene-d4

Concen: 0.400 ng

RT: 7.775 min Scan# 6

Delta R.T. -0.000 min

Lab File: BN038178.D

Acq: 10 Nov 2025 12:39

Instrument :

BNA_N

ClientSampleId :

MW-3DL

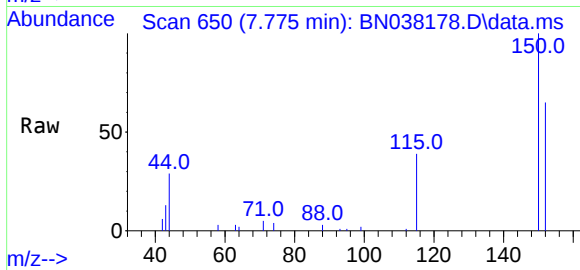
Tgt Ion:152 Resp: 11254

Ion Ratio Lower Upper

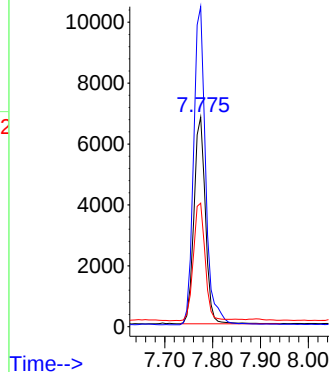
152 100

150 152.7 122.3 183.5

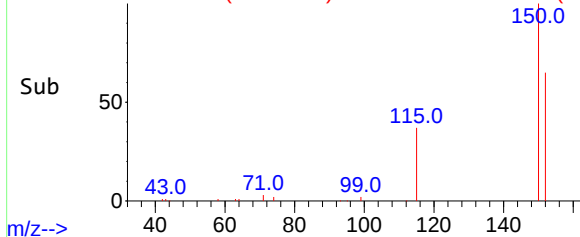
115 58.9 47.4 71.0



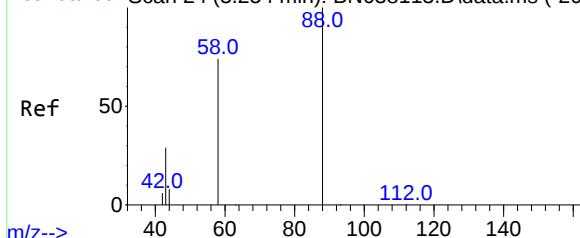
Abundance



Abundance Scan 650 (7.775 min): BN038178.D\data.ms (-62



Abundance Scan 24 (3.254 min): BN038113.D\data.ms (-20)



#2

1,4-Dioxane

Concen: 1.863 ng

RT: 3.254 min Scan# 24

Delta R.T. 0.000 min

Lab File: BN038178.D

Acq: 10 Nov 2025 12:39

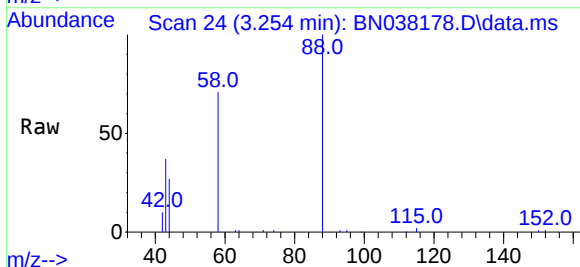
Tgt Ion: 88 Resp: 21666

Ion Ratio Lower Upper

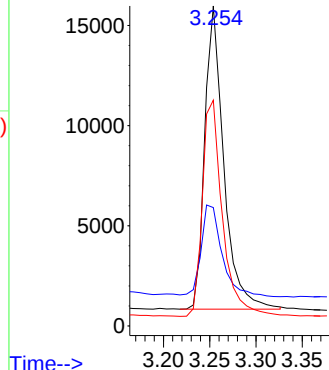
88 100

43 33.5 24.3 36.5

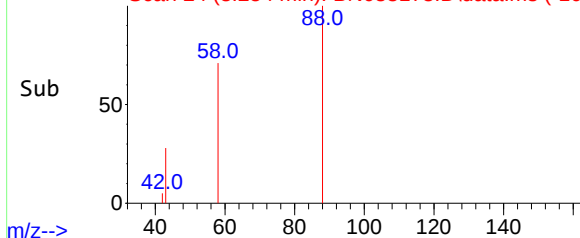
58 75.3 60.4 90.6



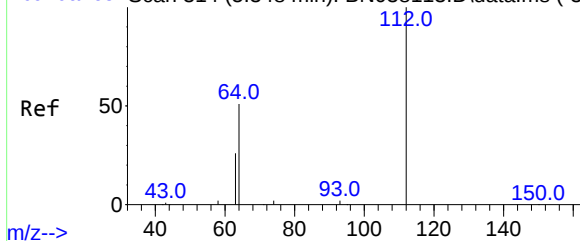
Abundance



Abundance Scan 24 (3.254 min): BN038178.D\data.ms (-10)



Abundance Scan 314 (5.348 min): BN038113.D\data.ms (-30



#4

2-Fluorophenol

Concen: 0.040 ng

RT: 5.348 min Scan# 314

Delta R.T. 0.000 min

Lab File: BN038178.D

Acq: 10 Nov 2025 12:39

Instrument :

BNA_N

ClientSampleId :

MW-3DL

Tgt Ion:112 Resp: 1062

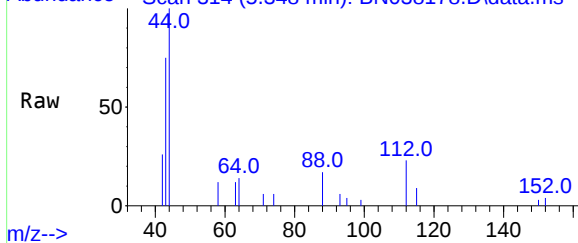
Ion Ratio Lower Upper

112 100

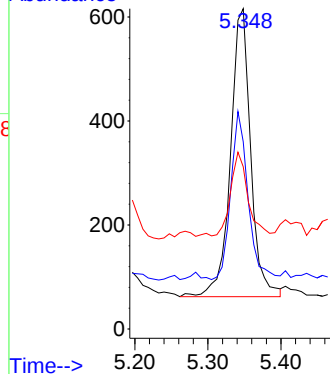
64 49.9 45.4 68.0

63 25.0 23.2 34.8

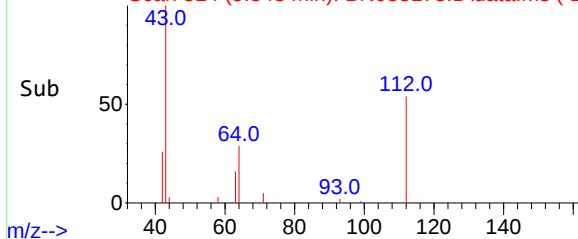
Abundance Scan 314 (5.348 min): BN038178.D\data.ms



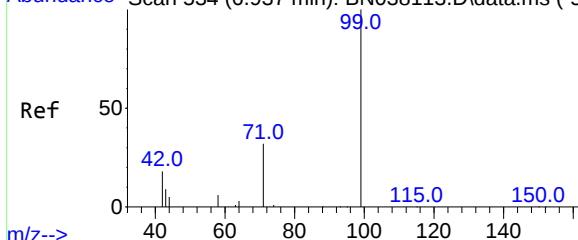
Abundance



Abundance Scan 314 (5.348 min): BN038178.D\data.ms (-28



Abundance Scan 534 (6.937 min): BN038113.D\data.ms (-52



#5

Phenol-d6

Concen: 0.026 ng

RT: 6.937 min Scan# 534

Delta R.T. 0.000 min

Lab File: BN038178.D

Acq: 10 Nov 2025 12:39

Tgt Ion: 99 Resp: 843

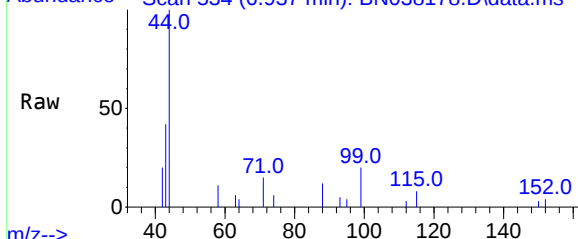
Ion Ratio Lower Upper

99 100

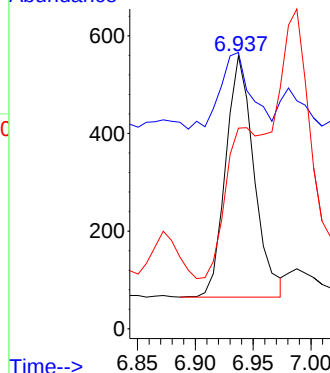
42 38.1 16.6 24.8#

71 67.9 25.4 38.2#

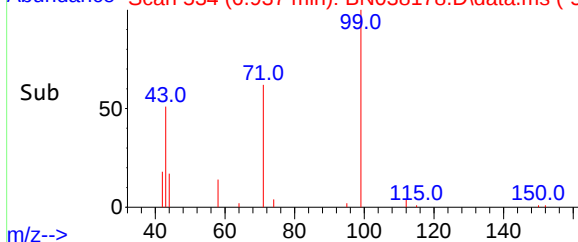
Abundance Scan 534 (6.937 min): BN038178.D\data.ms

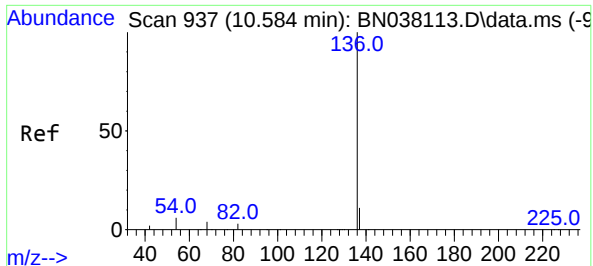


Abundance



Abundance Scan 534 (6.937 min): BN038178.D\data.ms (-50



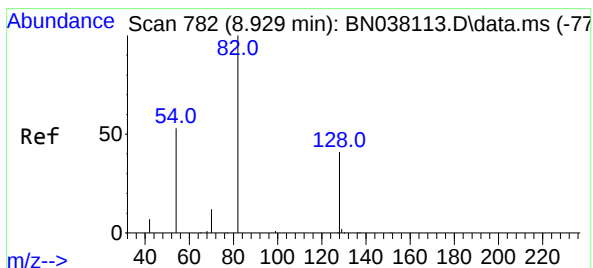
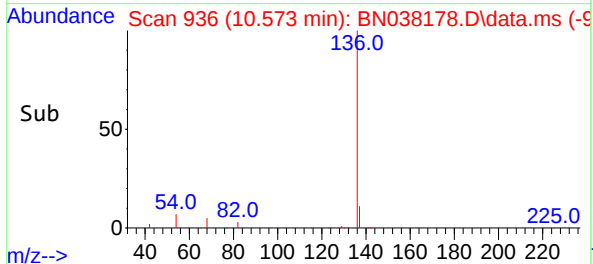
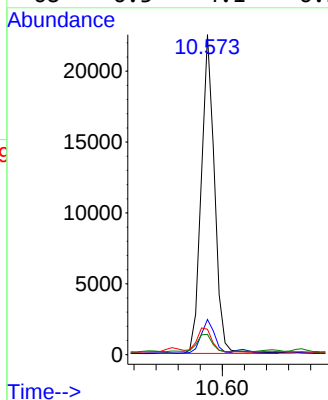
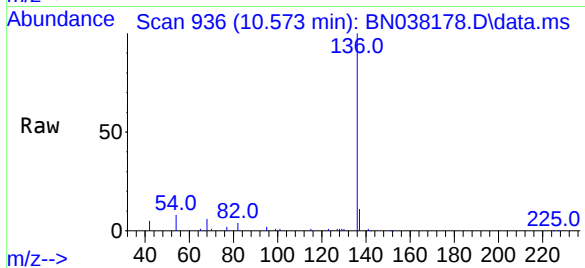


#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.573 min Scan# 91
Delta R.T. 0.000 min
Lab File: BN038178.D
Acq: 10 Nov 2025 12:39

Instrument :
BNA_N
ClientSampleId :
MW-3DL

Tgt Ion: 136 Resp: 37609

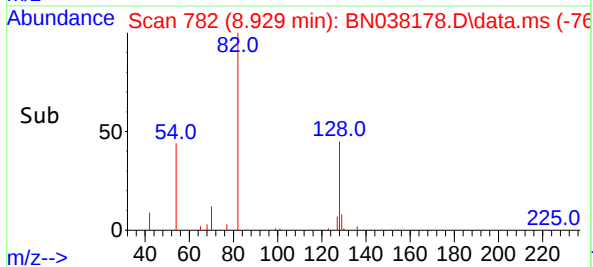
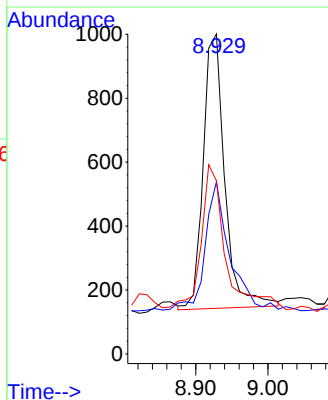
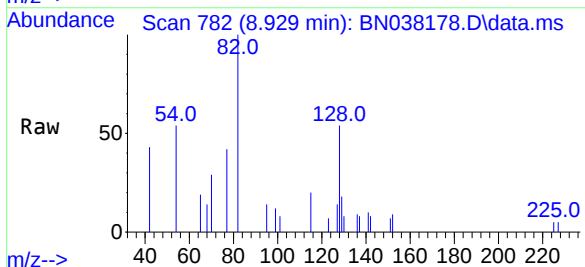
Ion	Ratio	Lower	Upper
136	100		
137	11.0	9.0	13.4
54	8.0	5.2	7.8#
68	6.3	4.1	6.1#

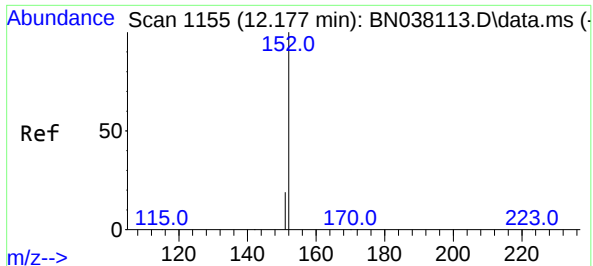


#8
Nitrobenzene-d5
Concen: 0.059 ng
RT: 8.929 min Scan# 782
Delta R.T. 0.000 min
Lab File: BN038178.D
Acq: 10 Nov 2025 12:39

Tgt Ion: 82 Resp: 1783

Ion	Ratio	Lower	Upper
82	100		
128	53.8	34.1	51.1#
54	54.0	43.5	65.3

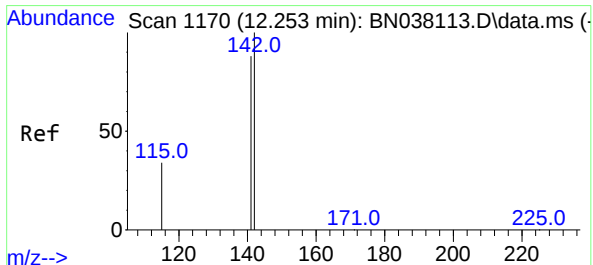
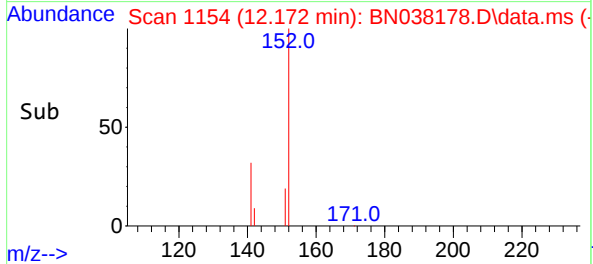
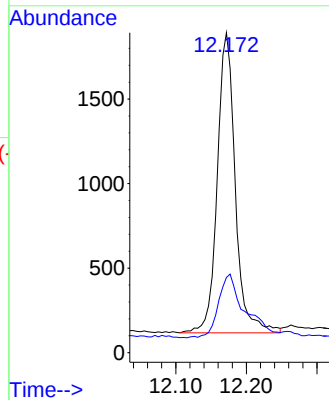
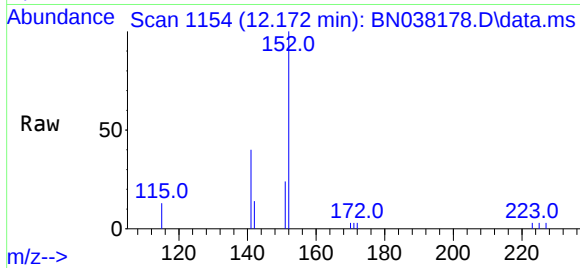




#11
2-Methylnaphthalene-d10
Concen: 0.059 ng
RT: 12.172 min Scan# 1154
Delta R.T. -0.005 min
Lab File: BN038178.D
Acq: 10 Nov 2025 12:39

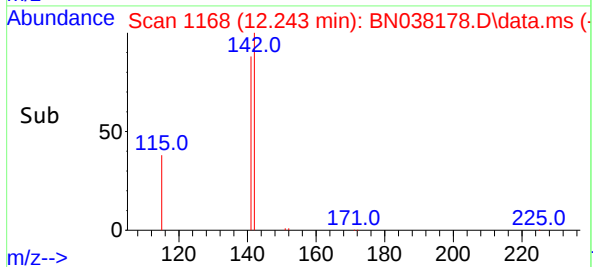
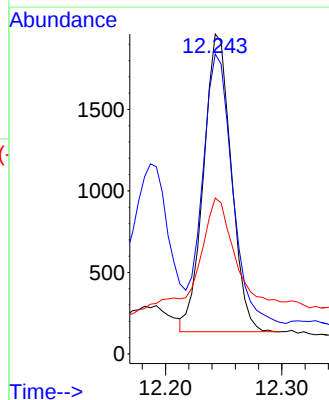
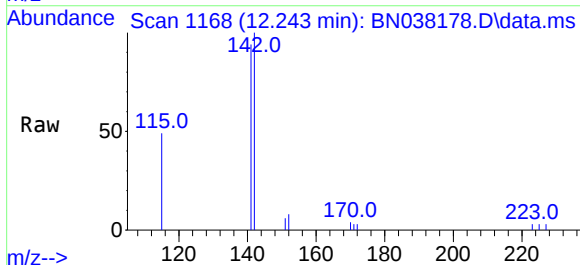
Instrument :
BNA_N
ClientSampleId :
MW-3DL

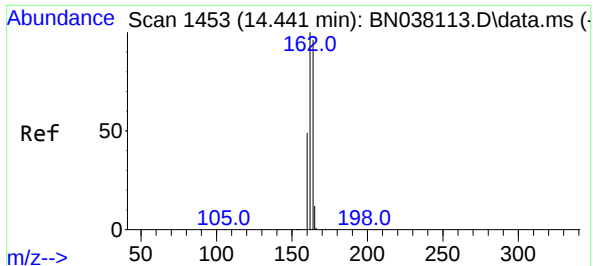
Tgt Ion:152 Resp: 3151
Ion Ratio Lower Upper
152 100
151 31.4 16.8 25.2#



#12
2-Methylnaphthalene
Concen: 0.044 ng
RT: 12.243 min Scan# 1168
Delta R.T. -0.005 min
Lab File: BN038178.D
Acq: 10 Nov 2025 12:39

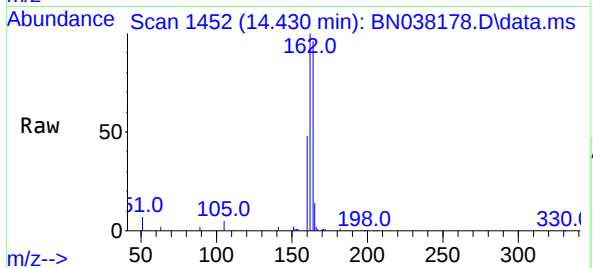
Tgt Ion:142 Resp: 3016
Ion Ratio Lower Upper
142 100
141 93.7 70.3 105.5
115 48.8 27.8 41.6#



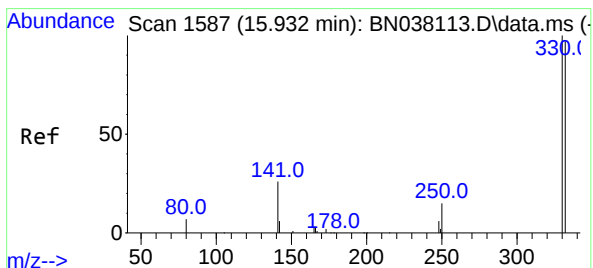
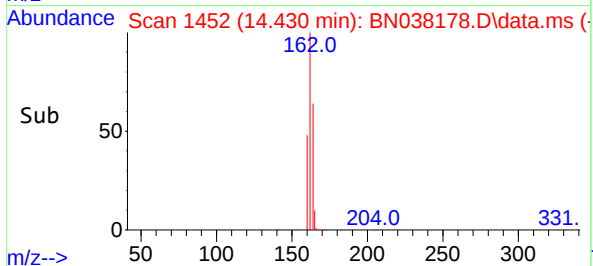
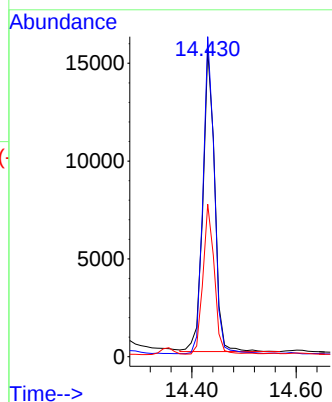


#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.430 min Scan# 1453
Delta R.T. 0.000 min
Lab File: BN038178.D
Acq: 10 Nov 2025 12:39

Instrument :
BNA_N
ClientSampleId :
MW-3DL

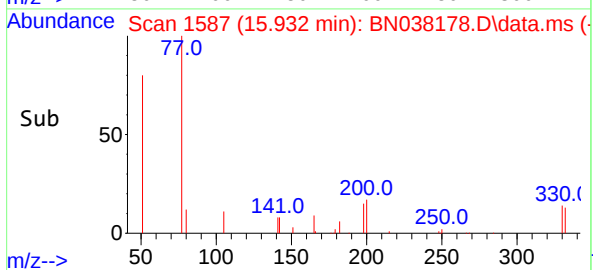
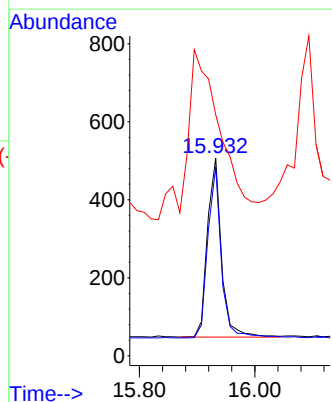
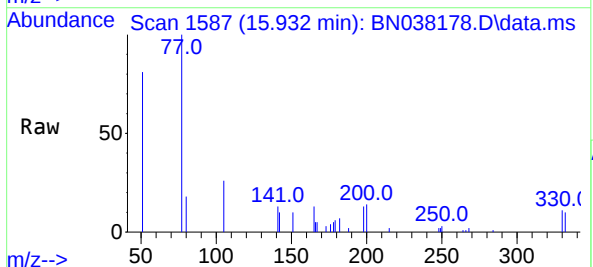


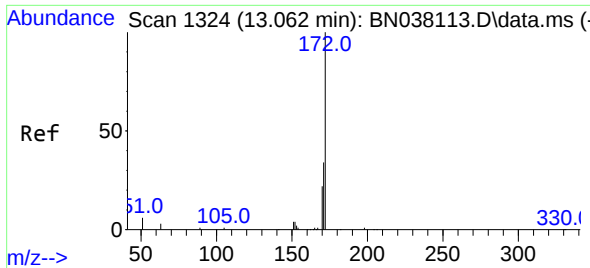
Tgt Ion:164 Resp: 24476
Ion Ratio Lower Upper
164 100
162 104.2 83.0 124.4
160 49.7 40.7 61.1



#14
2,4,6-Tribromophenol
Concen: 0.077 ng
RT: 15.932 min Scan# 1587
Delta R.T. 0.000 min
Lab File: BN038178.D
Acq: 10 Nov 2025 12:39

Tgt Ion:330 Resp: 775
Ion Ratio Lower Upper
330 100
332 92.8 76.6 114.8
141 0.0 34.1 51.1#

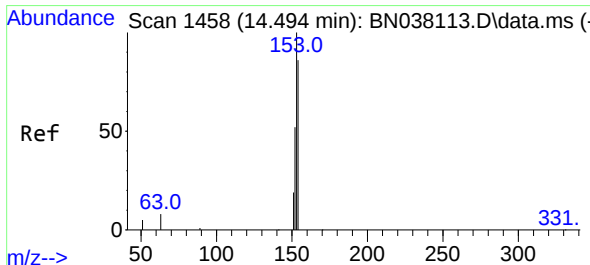
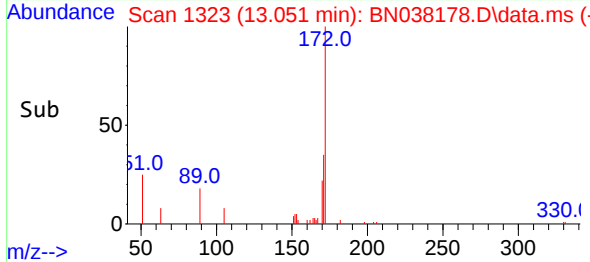
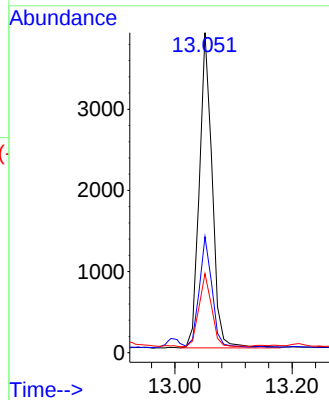
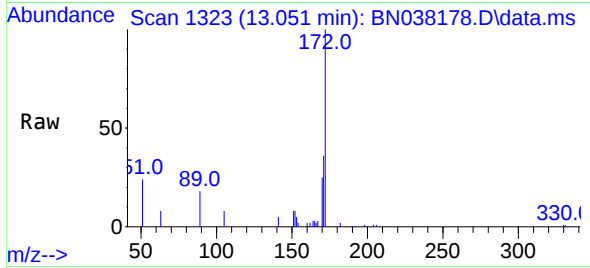




#15
2-Fluorobiphenyl
Concen: 0.060 ng
RT: 13.051 min Scan# 1323
Delta R.T. 0.000 min
Lab File: BN038178.D
Acq: 10 Nov 2025 12:39

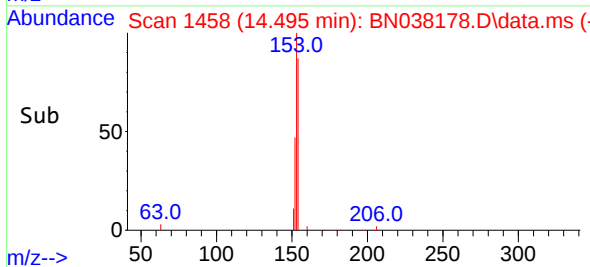
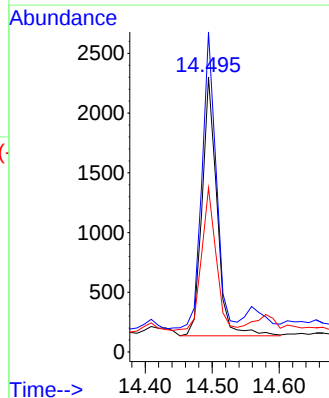
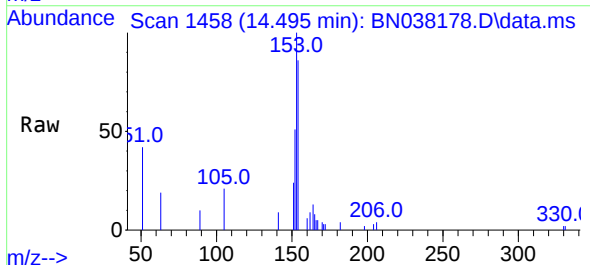
Instrument :
BNA_N
ClientSampleId :
MW-3DL

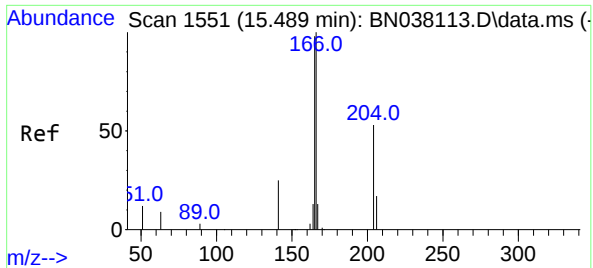
Tgt Ion:	172	Resp:	5917
Ion	Ratio	Lower	Upper
172	100		
171	36.3	27.8	41.6
170	24.7	18.1	27.1



#17
Acenaphthene
Concen: 0.043 ng
RT: 14.495 min Scan# 1458
Delta R.T. 0.000 min
Lab File: BN038178.D
Acq: 10 Nov 2025 12:39

Tgt Ion:	154	Resp:	3342
Ion	Ratio	Lower	Upper
154	100		
153	109.9	90.0	135.0
152	53.9	47.3	70.9

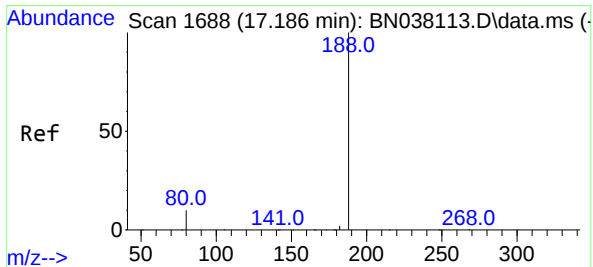
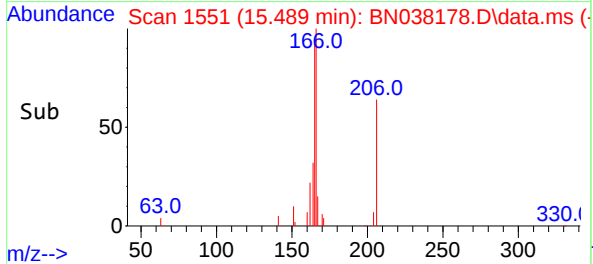
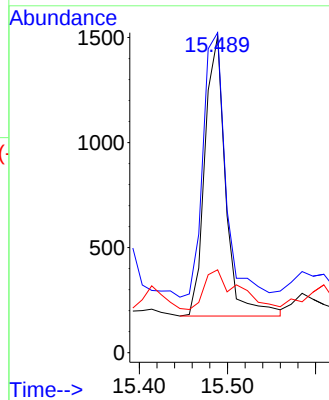
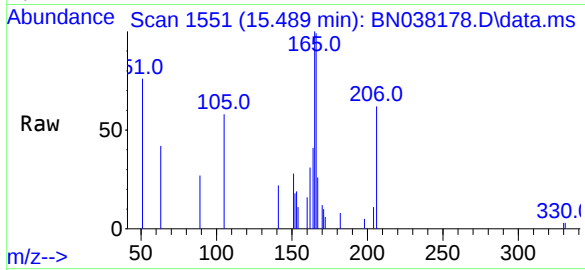




#18
Fluorene
Concen: 0.023 ng
RT: 15.489 min Scan# 1551
Delta R.T. -0.000 min
Lab File: BN038178.D
Acq: 10 Nov 2025 12:39

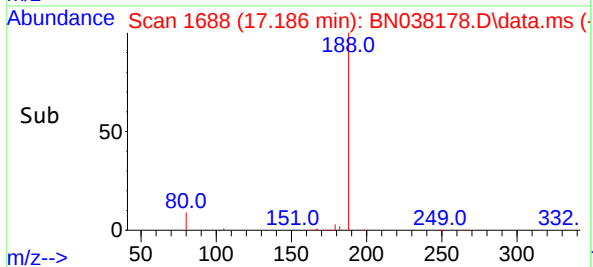
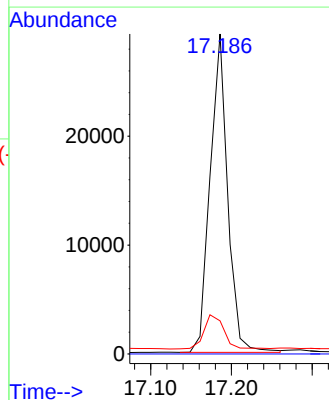
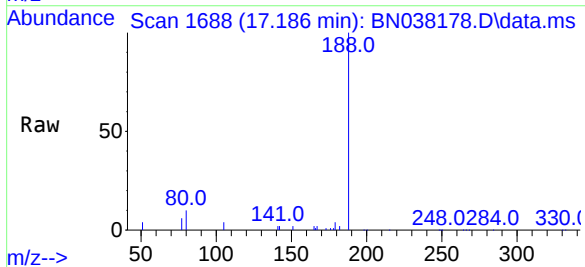
Instrument :
BNA_N
ClientSampleId :
MW-3DL

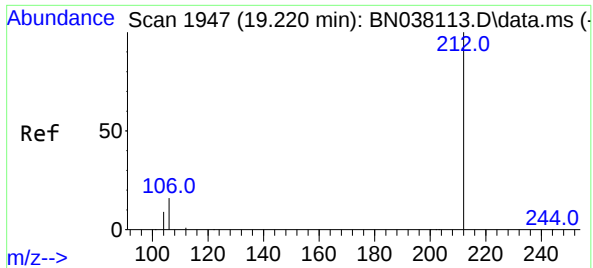
Tgt Ion:166 Resp: 2311
Ion Ratio Lower Upper
166 100
165 100.1 79.0 118.4
167 22.5 10.7 16.1#



#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.186 min Scan# 1688
Delta R.T. 0.000 min
Lab File: BN038178.D
Acq: 10 Nov 2025 12:39

Tgt Ion:188 Resp: 44166
Ion Ratio Lower Upper
188 100
94 0.0 0.0 0.0
80 10.4 8.6 13.0

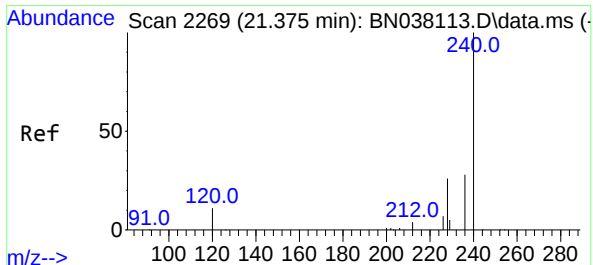
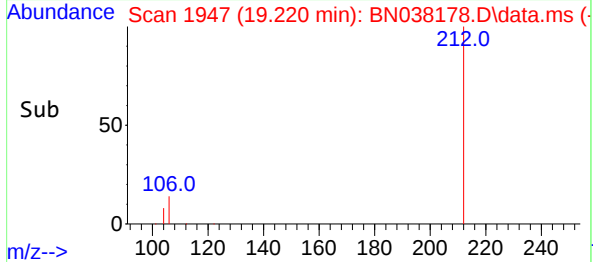
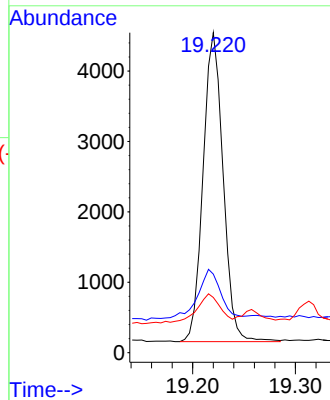
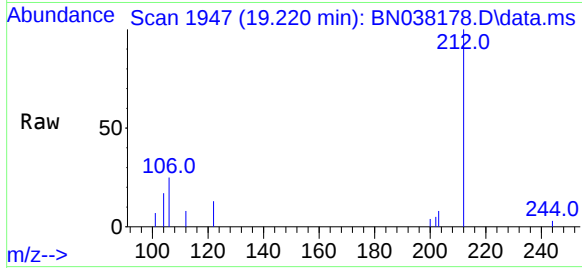




#27
Fluoranthene-d10
Concen: 0.053 ng
RT: 19.220 min Scan# 1947
Delta R.T. 0.000 min
Lab File: BN038178.D
Acq: 10 Nov 2025 12:39

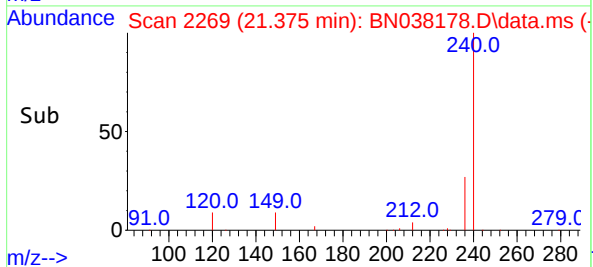
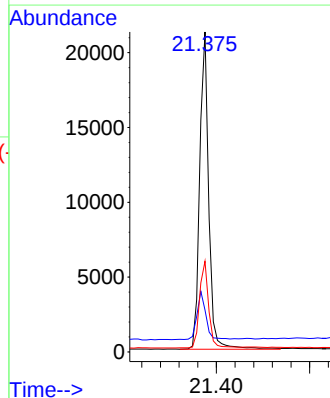
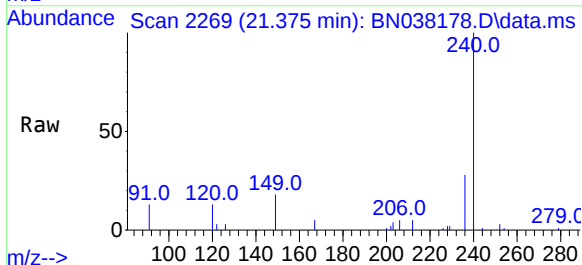
Instrument :
BNA_N
ClientSampleId :
MW-3DL

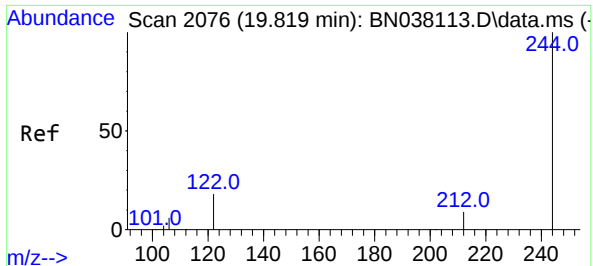
Tgt Ion:	212	Resp:	5929
Ion	Ratio	Lower	Upper
212	100		
106	17.8	12.6	19.0
104	11.9	7.1	10.7#



#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.375 min Scan# 2269
Delta R.T. 0.000 min
Lab File: BN038178.D
Acq: 10 Nov 2025 12:39

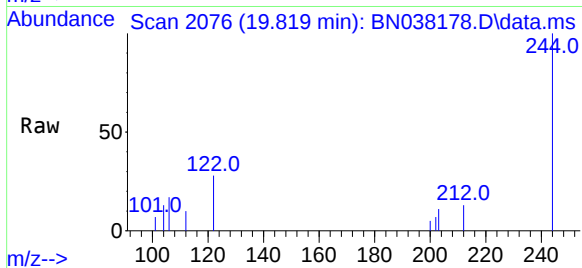
Tgt Ion:	240	Resp:	28574
Ion	Ratio	Lower	Upper
240	100		
120	13.1	10.7	16.1
236	28.4	23.1	34.7



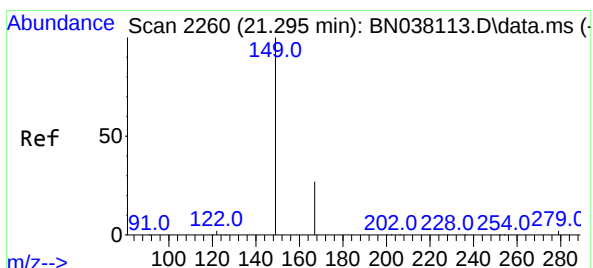
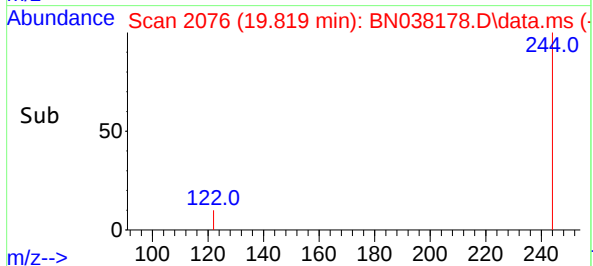
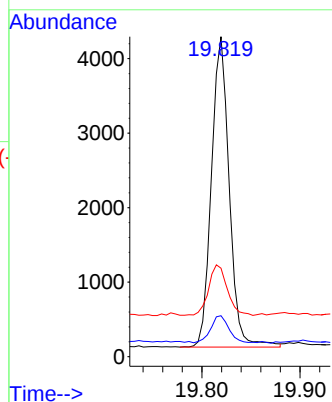


#31
Terphenyl-d14
Concen: 0.085 ng
RT: 19.819 min Scan# 2076
Delta R.T. 0.000 min
Lab File: BN038178.D
Acq: 10 Nov 2025 12:39

Instrument :
BNA_N
ClientSampleId :
MW-3DL

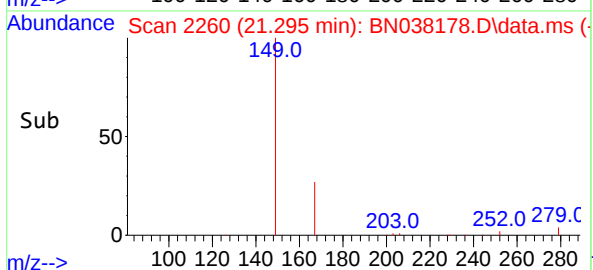
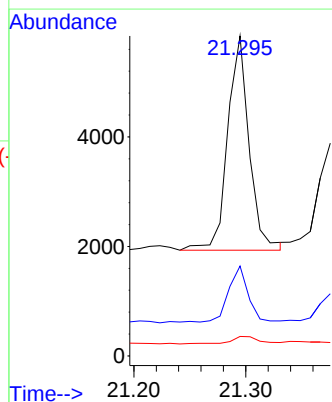
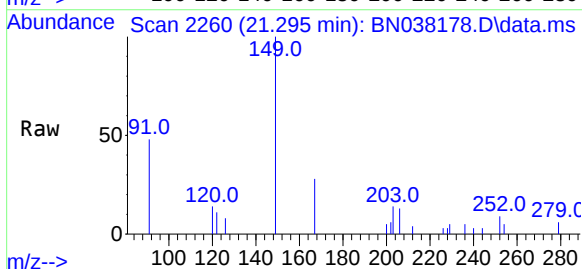


Tgt Ion:244 Resp: 5253
Ion Ratio Lower Upper
244 100
212 12.8 7.8 11.6#
122 27.6 15.2 22.8#

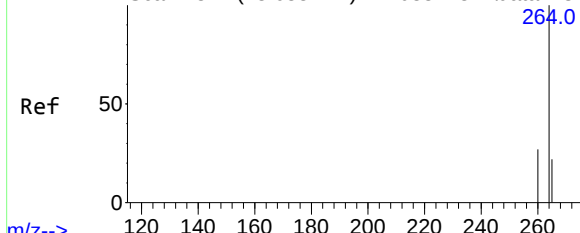


#34
Bis(2-ethylhexyl)phthalate
Concen: 0.097 ng
RT: 21.295 min Scan# 2260
Delta R.T. 0.000 min
Lab File: BN038178.D
Acq: 10 Nov 2025 12:39

Tgt Ion:149 Resp: 5221
Ion Ratio Lower Upper
149 100
167 23.7 21.1 31.7
279 4.7 2.9 4.3#



Abundance Scan 2821 (23.683 min): BN038113.D\data.ms (-



#35

Perylene-d12

Concen: 0.400 ng

RT: 23.683 min Scan# 24

Delta R.T. 0.003 min

Lab File: BN038178.D

Acq: 10 Nov 2025 12:39

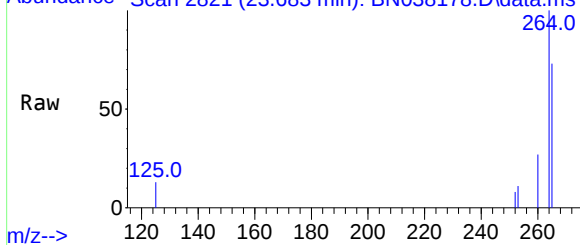
Instrument :

BNA_N

ClientSampleId :

MW-3DL

Abundance Scan 2821 (23.683 min): BN038178.D\data.ms (-



Tgt Ion:264 Resp: 24475

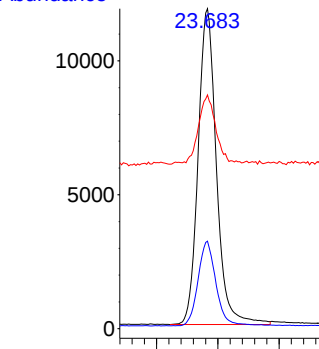
Ion Ratio Lower Upper

264 100

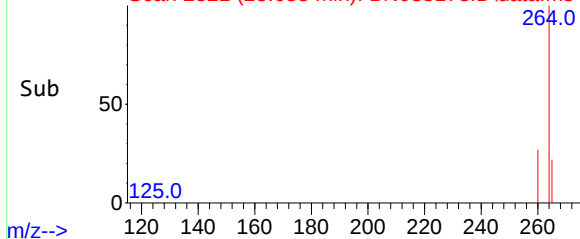
260 27.3 21.8 32.8

265 73.1 68.6 102.8

Abundance



Abundance Scan 2821 (23.683 min): BN038178.D\data.ms (-



Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN111025\
 Data File : BN038175.D
 Acq On : 10 Nov 2025 10:50
 Operator : RC/JU
 Sample : PB170427BL
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 PB170427BL

A
B
C
D
E
F
G
H
I
J
K

Quant Time: Nov 10 11:14:49 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN102825.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Oct 29 13:09:46 2025
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.775	152	8905	0.400	ng	0.00
7) Naphthalene-d8	10.573	136	26771	0.400	ng	# 0.00
13) Acenaphthene-d10	14.430	164	15040	0.400	ng	0.00
19) Phenanthrene-d10	17.186	188	27324	0.400	ng	0.00
29) Chrysene-d12	21.375	240	18808	0.400	ng	0.00
35) Perylene-d12	23.686	264	16112	0.400	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.348	112	8333	0.397	ng	0.00
5) Phenol-d6	6.937	99	9450	0.370	ng	0.00
8) Nitrobenzene-d5	8.929	82	8230	0.381	ng	0.00
11) 2-Methylnaphthalene-d10	12.172	152	14109	0.369	ng	0.00
14) 2,4,6-Tribromophenol	15.932	330	1600	0.258	ng	0.00
15) 2-Fluorobiphenyl	13.051	172	23653	0.393	ng	0.00
27) Fluoranthene-d10	19.220	212	24982	0.363	ng	0.00
31) Terphenyl-d14	19.819	244	21057	0.515	ng	0.00

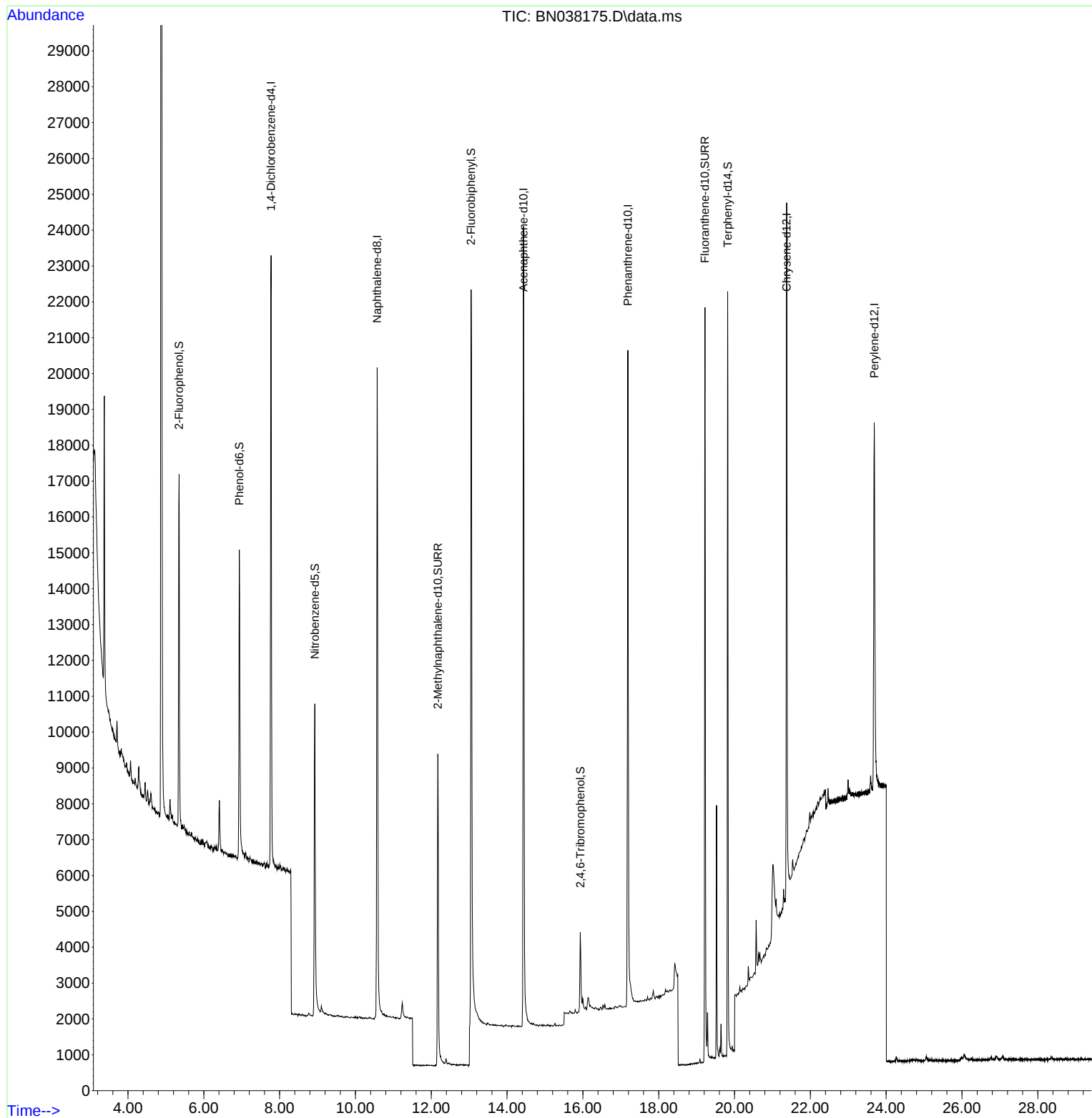
Target Compounds	Qvalue

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

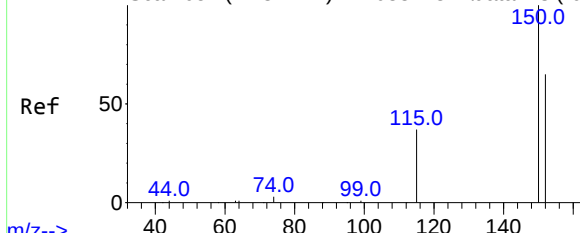
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN111025\
Data File : BN038175.D
Acq On : 10 Nov 2025 10:50
Operator : RC/JU
Sample : PB170427BL
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
PB170427BL

Quant Time: Nov 10 11:14:49 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN102825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Oct 29 13:09:46 2025
Response via : Initial Calibration



Abundance Scan 651 (7.782 min): BN038113.D\data.ms (-64



#1

1,4-Dichlorobenzene-d4

Concen: 0.400 ng

RT: 7.775 min Scan# 61

Delta R.T. -0.000 min

Lab File: BN038175.D

Acq: 10 Nov 2025 10:50

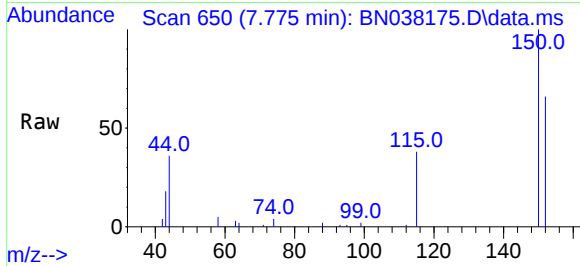
Instrument :

BNA_N

ClientSampleId :

PB170427BL

m/z--> Abundance Scan 650 (7.775 min): BN038175.D\data.ms (-62



Tgt Ion:152 Resp: 8905

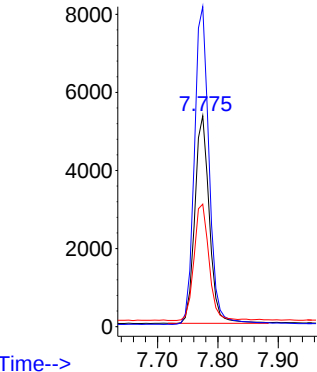
Ion Ratio Lower Upper

152 100

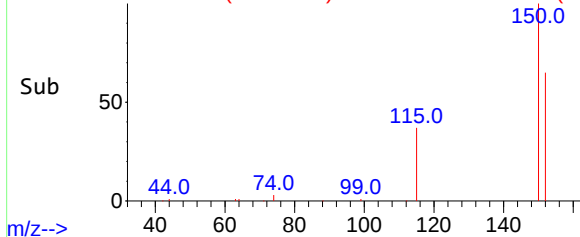
150 151.7 122.3 183.5

115 58.1 47.4 71.0

Abundance

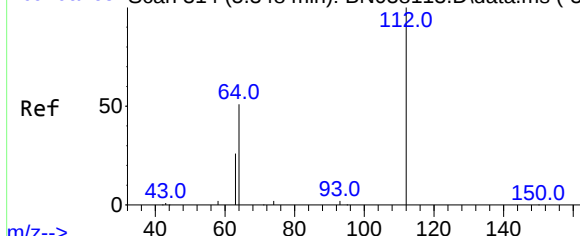


m/z--> Abundance Scan 650 (7.775 min): BN038175.D\data.ms (-62



Time-->

Abundance Scan 314 (5.348 min): BN038113.D\data.ms (-30



#4

2-Fluorophenol

Concen: 0.397 ng

RT: 5.348 min Scan# 314

Delta R.T. 0.000 min

Lab File: BN038175.D

Acq: 10 Nov 2025 10:50

Tgt Ion:112 Resp: 8333

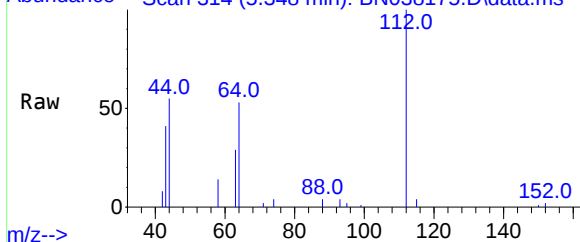
Ion Ratio Lower Upper

112 100

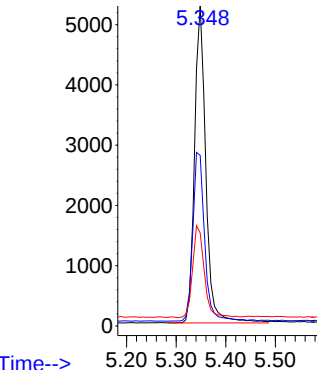
64 56.2 45.4 68.0

63 29.7 23.2 34.8

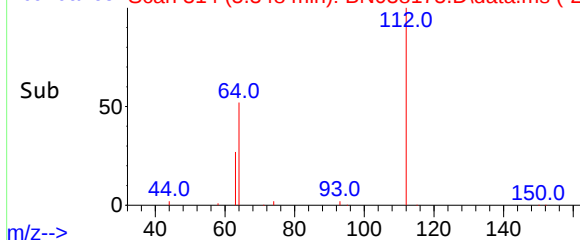
m/z--> Abundance Scan 314 (5.348 min): BN038175.D\data.ms (-28



Abundance

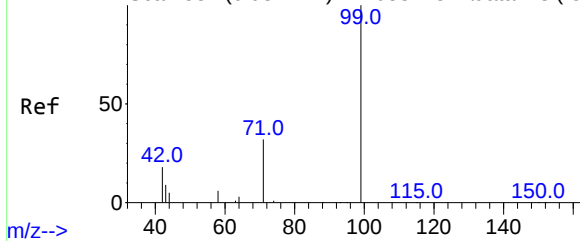


m/z--> Abundance Scan 314 (5.348 min): BN038175.D\data.ms (-28



Time-->

Abundance Scan 534 (6.937 min): BN038113.D\data.ms (-52



#5

Phenol-d6

Concen: 0.370 ng

RT: 6.937 min Scan# 51

Delta R.T. 0.000 min

Lab File: BN038175.D

Acq: 10 Nov 2025 10:50

Instrument :

BNA_N

ClientSampleId :

PB170427BL

Tgt Ion: 99 Resp: 9450

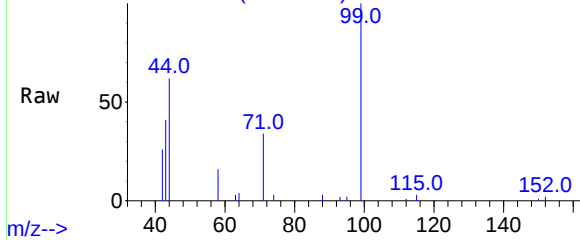
Ion Ratio Lower Upper

99 100

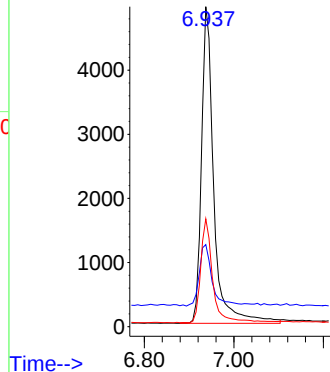
42 20.2 16.6 24.8

71 31.8 25.4 38.2

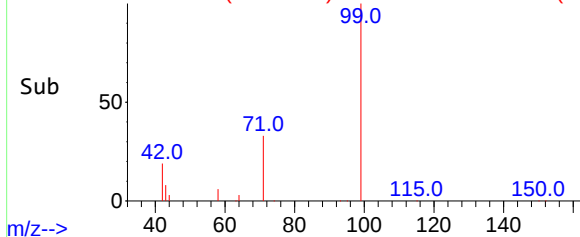
Abundance Scan 534 (6.937 min): BN038175.D\data.ms



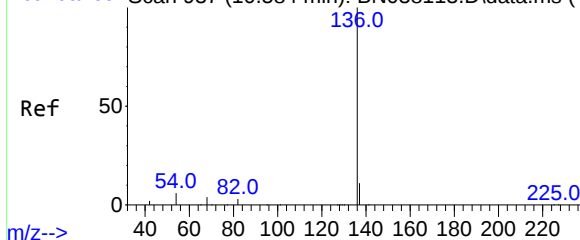
Abundance



Abundance Scan 534 (6.937 min): BN038175.D\data.ms (-50



Abundance Scan 937 (10.584 min): BN038113.D\data.ms (-9



#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.573 min Scan# 936

Delta R.T. 0.000 min

Lab File: BN038175.D

Acq: 10 Nov 2025 10:50

Tgt Ion: 136 Resp: 26771

Ion Ratio Lower Upper

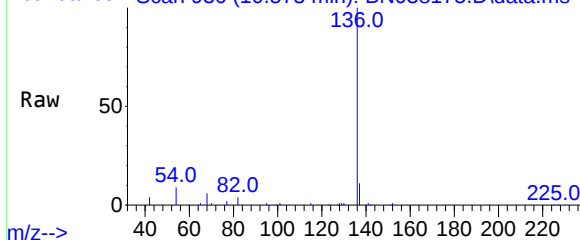
136 100

137 11.3 9.0 13.4

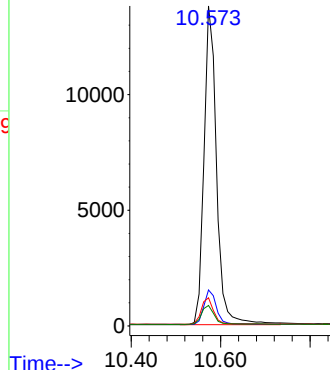
54 8.8 5.2 7.8#

68 6.4 4.1 6.1#

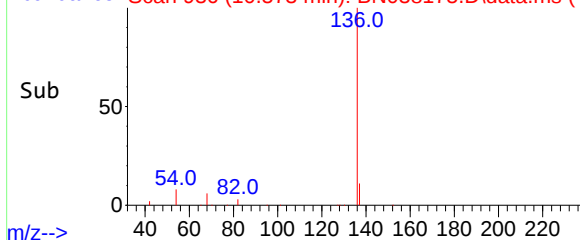
Abundance Scan 936 (10.573 min): BN038175.D\data.ms



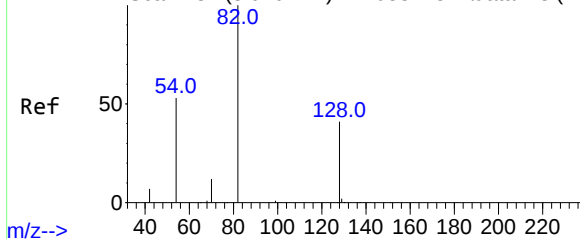
Abundance



Abundance Scan 936 (10.573 min): BN038175.D\data.ms (-9



Abundance Scan 782 (8.929 min): BN038113.D\data.ms (-77



#8

Nitrobenzene-d5

Concen: 0.381 ng

RT: 8.929 min Scan# 71

Delta R.T. 0.000 min

Lab File: BN038175.D

Acq: 10 Nov 2025 10:50

Instrument :

BNA_N

ClientSampleId :

PB170427BL

Tgt Ion: 82 Resp: 8230

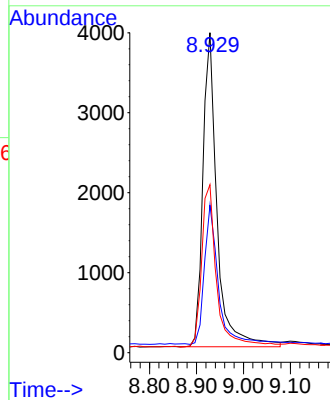
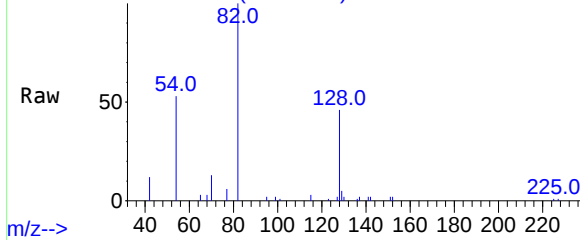
Ion Ratio Lower Upper

82 100

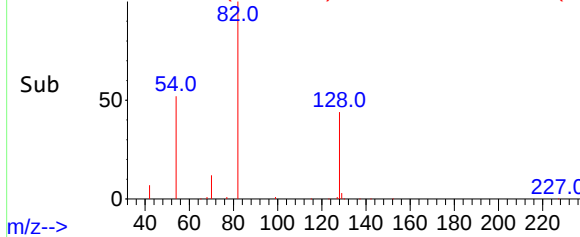
128 46.1 34.1 51.1

54 52.5 43.5 65.3

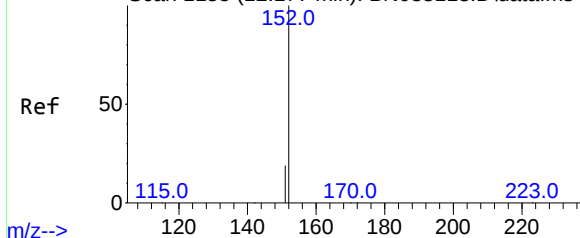
Abundance Scan 782 (8.929 min): BN038175.D\data.ms



Abundance Scan 782 (8.929 min): BN038175.D\data.ms (-76



Abundance Scan 1155 (12.177 min): BN038113.D\data.ms (-



#11

2-Methylnaphthalene-d10

Concen: 0.369 ng

RT: 12.172 min Scan# 1154

Delta R.T. -0.005 min

Lab File: BN038175.D

Acq: 10 Nov 2025 10:50

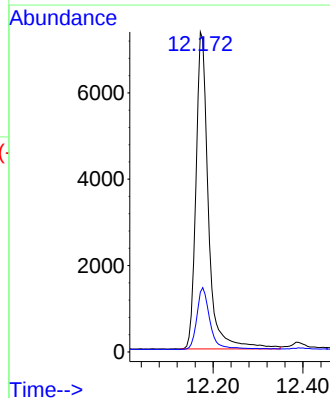
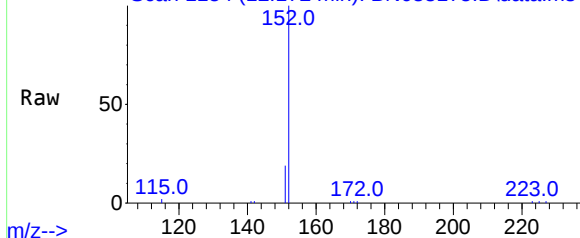
Tgt Ion: 152 Resp: 14109

Ion Ratio Lower Upper

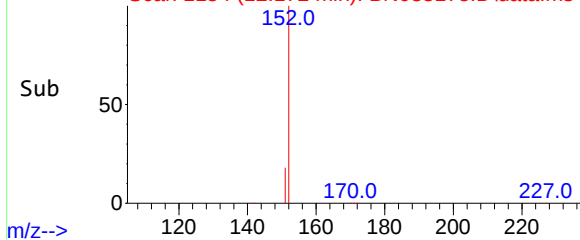
152 100

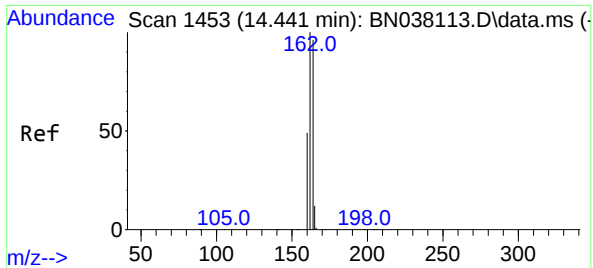
151 20.9 16.8 25.2

Abundance Scan 1154 (12.172 min): BN038175.D\data.ms



Abundance Scan 1154 (12.172 min): BN038175.D\data.ms (-

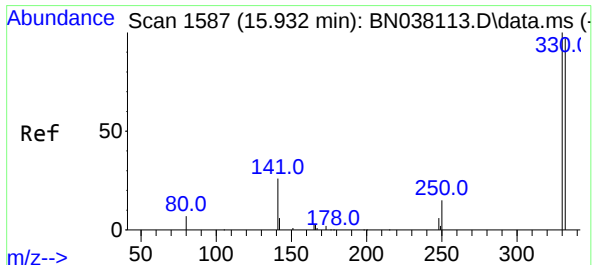
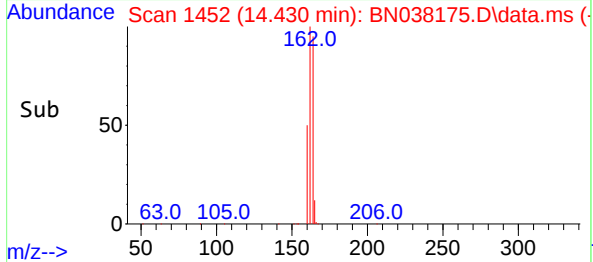
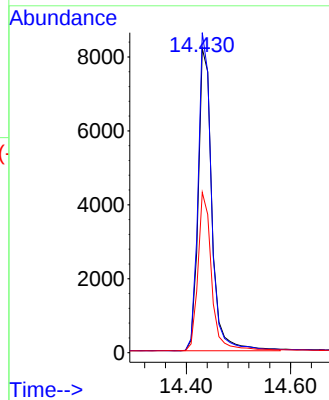
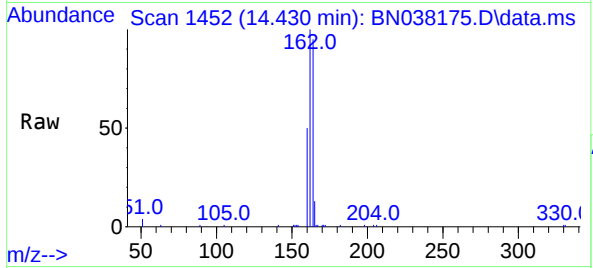




#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.430 min Scan# 1453
Delta R.T. 0.000 min
Lab File: BN038175.D
Acq: 10 Nov 2025 10:50

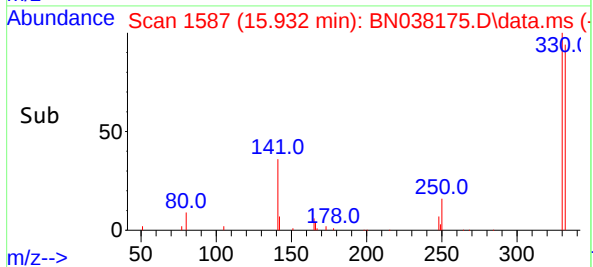
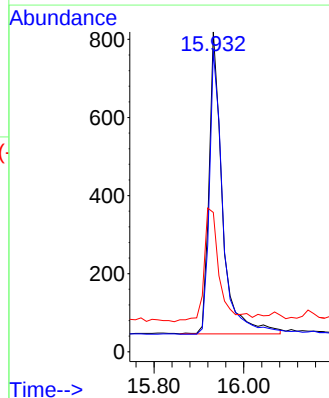
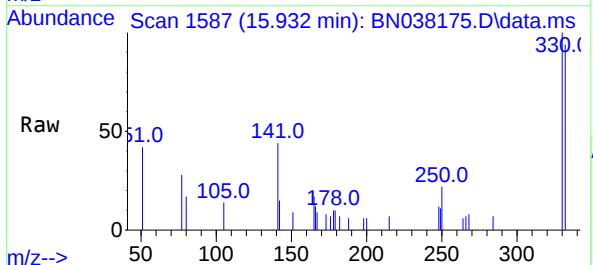
Instrument :
BNA_N
ClientSampleId :
PB170427BL

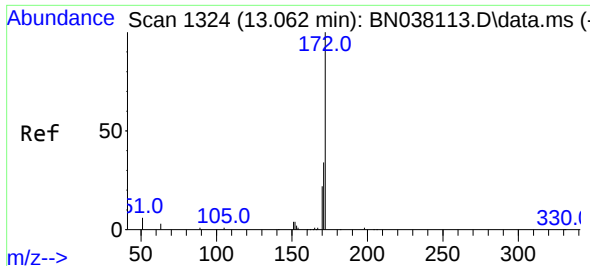
Tgt Ion:164 Resp: 15040
Ion Ratio Lower Upper
164 100
162 105.2 83.0 124.4
160 52.7 40.7 61.1



#14
2,4,6-Tribromophenol
Concen: 0.258 ng
RT: 15.932 min Scan# 1587
Delta R.T. 0.000 min
Lab File: BN038175.D
Acq: 10 Nov 2025 10:50

Tgt Ion:330 Resp: 1600
Ion Ratio Lower Upper
330 100
332 94.9 76.6 114.8
141 43.7 34.1 51.1

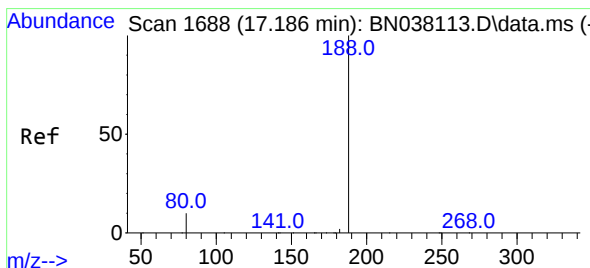
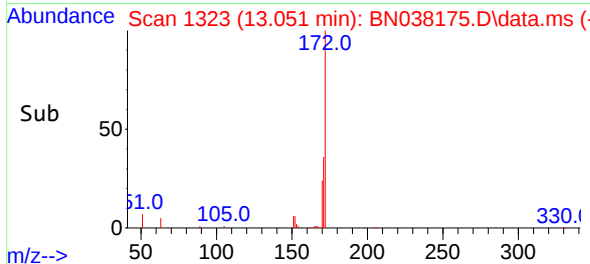
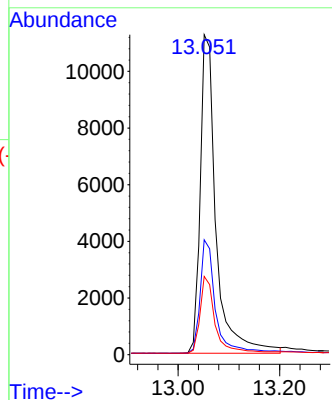
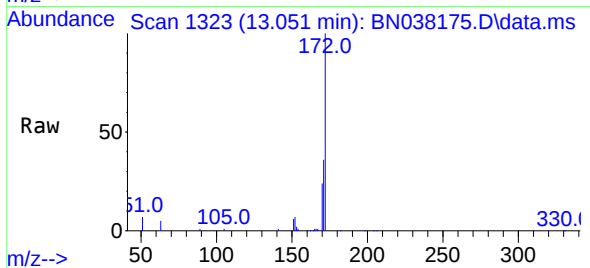




#15
2-Fluorobiphenyl
Concen: 0.393 ng
RT: 13.051 min Scan# 1323
Delta R.T. 0.000 min
Lab File: BN038175.D
Acq: 10 Nov 2025 10:50

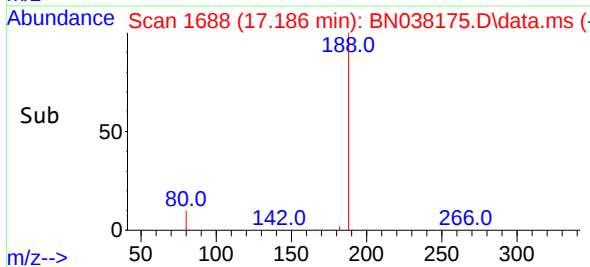
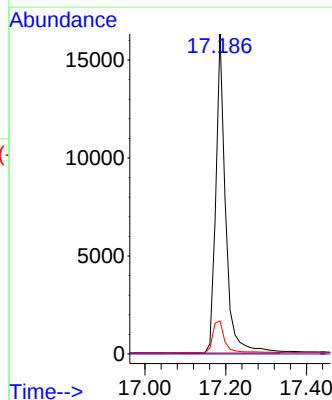
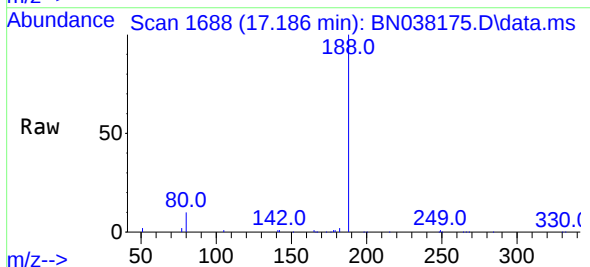
Instrument :
BNA_N
ClientSampleId :
PB170427BL

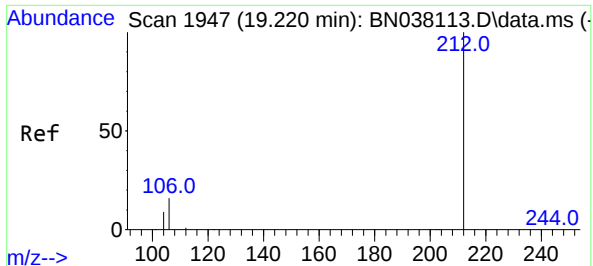
Tgt Ion:	172	Resp:	23653
Ion	Ratio	Lower	Upper
172	100		
171	35.9	27.8	41.6
170	24.4	18.1	27.1



#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.186 min Scan# 1688
Delta R.T. 0.000 min
Lab File: BN038175.D
Acq: 10 Nov 2025 10:50

Tgt Ion:	188	Resp:	27324
Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	10.3	8.6	13.0





#27

Fluoranthene-d10

Concen: 0.363 ng

RT: 19.220 min Scan# 1947

Delta R.T. 0.000 min

Lab File: BN038175.D

Acq: 10 Nov 2025 10:50

Instrument :

BNA_N

ClientSampleId :

PB170427BL

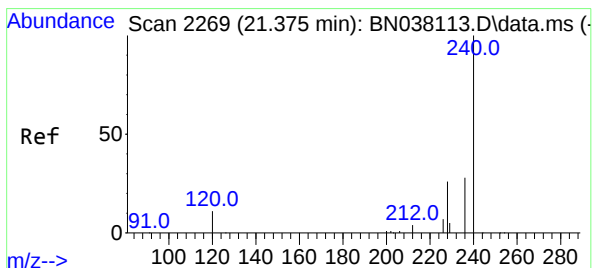
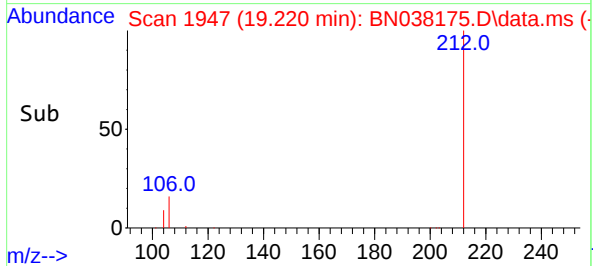
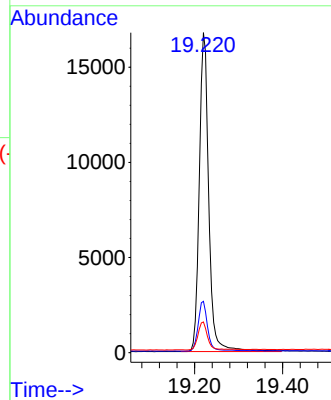
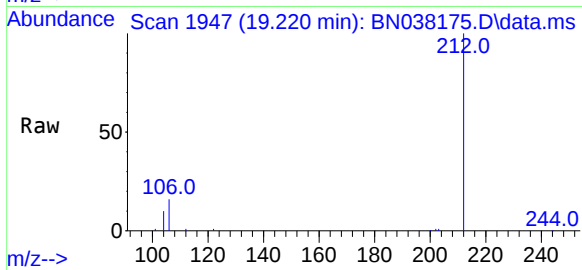
Tgt Ion:212 Resp: 24982

Ion Ratio Lower Upper

212 100

106 15.9 12.6 19.0

104 8.9 7.1 10.7



#29

Chrysene-d12

Concen: 0.400 ng

RT: 21.375 min Scan# 2269

Delta R.T. 0.000 min

Lab File: BN038175.D

Acq: 10 Nov 2025 10:50

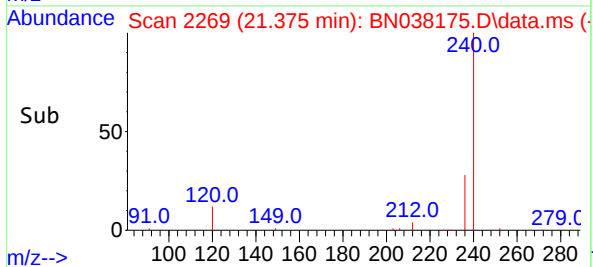
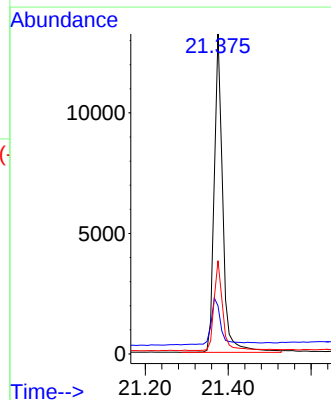
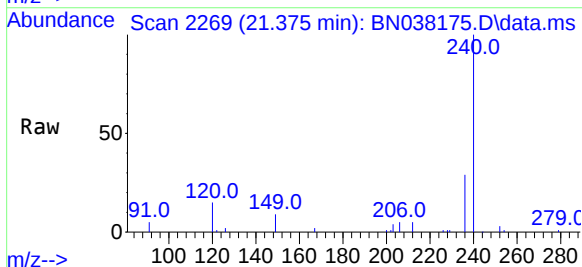
Tgt Ion:240 Resp: 18808

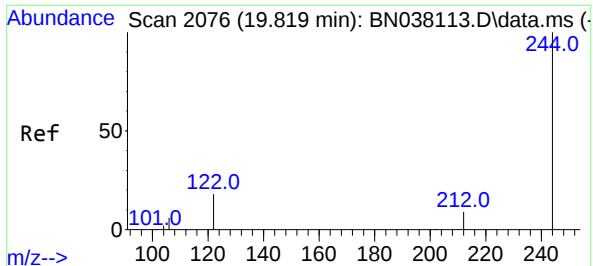
Ion Ratio Lower Upper

240 100

120 15.0 10.7 16.1

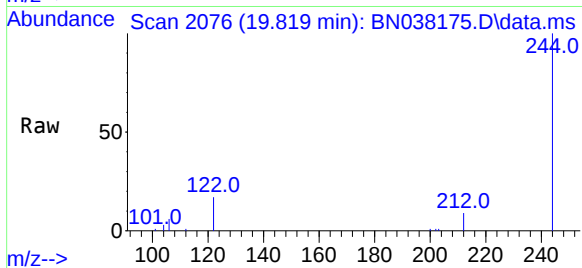
236 29.2 23.1 34.7



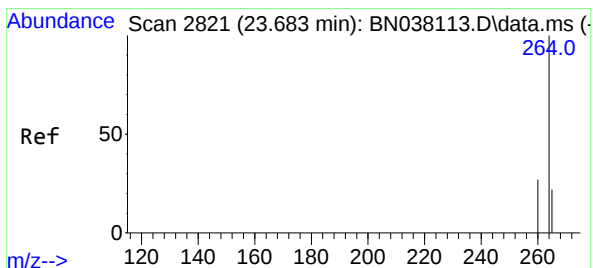
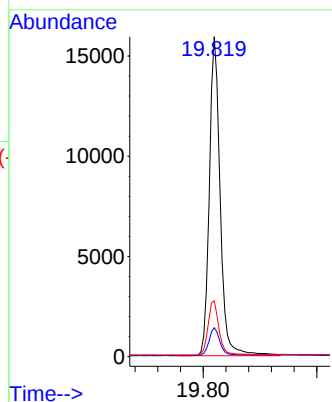


#31
Terphenyl-d14
Concen: 0.515 ng
RT: 19.819 min Scan# 2076
Delta R.T. 0.000 min
Lab File: BN038175.D
Acq: 10 Nov 2025 10:50

Instrument :
BNA_N
ClientSampleId :
PB170427BL

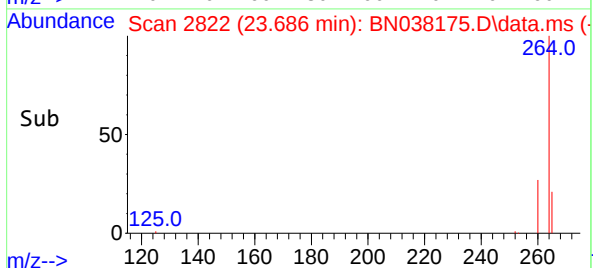
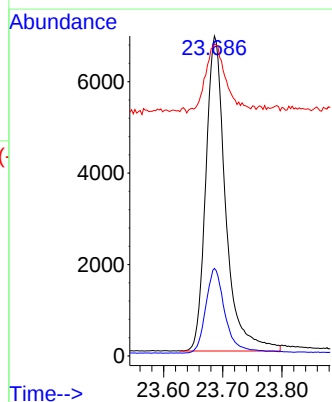
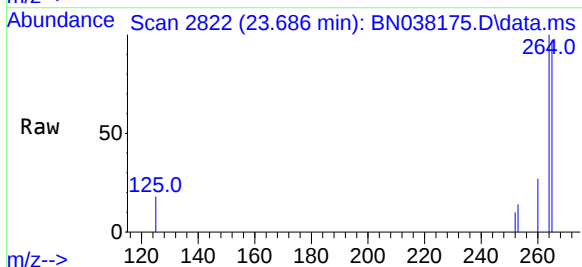


Tgt Ion:244 Resp: 21057
Ion Ratio Lower Upper
244 100
212 9.1 7.8 11.6
122 17.5 15.2 22.8



#35
Perylene-d12
Concen: 0.400 ng
RT: 23.686 min Scan# 2822
Delta R.T. 0.006 min
Lab File: BN038175.D
Acq: 10 Nov 2025 10:50

Tgt Ion:264 Resp: 16112
Ion Ratio Lower Upper
264 100
260 27.4 21.8 32.8
265 97.4 68.6 102.8



Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN110725\
 Data File : BN038152.D
 Acq On : 07 Nov 2025 13:44
 Operator : RC/JU
 Sample : PB170427BS
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 PB170427BS

Quant Time: Nov 07 14:08:10 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN102825.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Oct 29 13:09:46 2025
 Response via : Initial Calibration

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

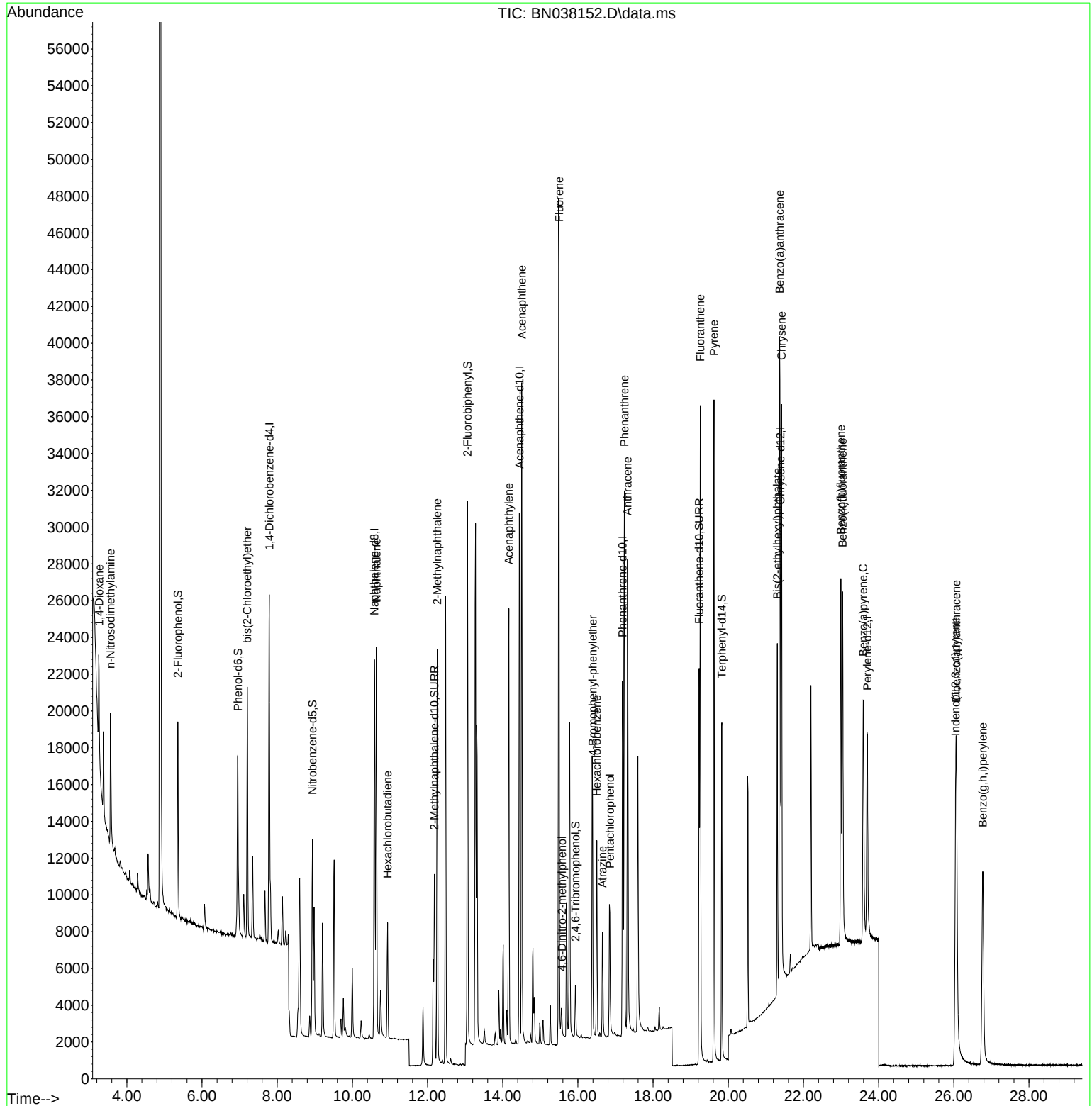
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.789	152	9551	0.400	ng	0.01
7) Naphthalene-d8	10.584	136	28713	0.400	ng	# 0.01
13) Acenaphthene-d10	14.441	164	15548	0.400	ng	0.01
19) Phenanthrene-d10	17.186	188	28280	0.400	ng	# 0.00
29) Chrysene-d12	21.384	240	19896	0.400	ng	0.00
35) Perylene-d12	23.698	264	16901	0.400	ng	0.02
System Monitoring Compounds						
4) 2-Fluorophenol	5.355	112	8583	0.381	ng	0.00
5) Phenol-d6	6.952	99	9985	0.364	ng	0.01
8) Nitrobenzene-d5	8.939	82	8637	0.373	ng	0.01
11) 2-Methylnaphthalene-d10	12.182	152	14534	0.354	ng	0.00
14) 2,4,6-Tribromophenol	15.932	330	1681	0.262	ng	0.00
15) 2-Fluorobiphenyl	13.062	172	24663	0.396	ng	0.01
27) Fluoranthene-d10	19.225	212	23866	0.335	ng	0.00
31) Terphenyl-d14	19.829	244	18959	0.439	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	3.261	88	3113	0.315	ng	# 48
3) n-Nitrosodimethylamine	3.564	42	4808	0.379	ng	# 91
6) bis(2-Chloroethyl)ether	7.204	93	9905	0.368	ng	98
9) Naphthalene	10.637	128	27757	0.351	ng	99
10) Hexachlorobutadiene	10.936	225	4945	0.371	ng	# 98
12) 2-Methylnaphthalene	12.258	142	16694	0.317	ng	98
16) Acenaphthylene	14.163	152	27068	0.384	ng	99
17) Acenaphthene	14.505	154	16914	0.343	ng	99
18) Fluorene	15.499	166	22013	0.341	ng	99
20) 4,6-Dinitro-2-methylph...	15.572	198	1071	0.382	ng	# 76
21) 4-Bromophenyl-phenylether	16.391	248	6817	0.368	ng	# 80
22) Hexachlorobenzene	16.503	284	8050	0.382	ng	99
23) Atrazine	16.652	200	4722	0.348	ng	96
24) Pentachlorophenol	16.851	266	4254	0.468	ng	98
25) Phenanthrene	17.235	178	32744	0.365	ng	99
26) Anthracene	17.322	178	29076	0.370	ng	99
28) Fluoranthene	19.257	202	33640	0.335	ng	99
30) Pyrene	19.619	202	33342	0.371	ng	100
32) Benzo(a)anthracene	21.366	228	26226	0.369	ng	99
33) Chrysene	21.420	228	29053	0.377	ng	99
34) Bis(2-ethylhexyl)phtha...	21.304	149	12508	0.335	ng	99
36) Indeno(1,2,3-cd)pyrene	26.048	276	27599	0.397	ng	98
37) Benzo(b)fluoranthene	22.996	252	25492	0.353	ng	100
38) Benzo(k)fluoranthene	23.040	252	27198	0.374	ng	99
39) Benzo(a)pyrene	23.589	252	22526	0.389	ng	98
40) Dibenzo(a,h)anthracene	26.069	278	21440	0.401	ng	97
41) Benzo(g,h,i)perylene	26.770	276	23733	0.389	ng	99

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

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN110725\
 Data File : BN038152.D
 Acq On : 07 Nov 2025 13:44
 Operator : RC/JU
 Sample : PB170427BS
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 PB170427BS

Quant Time: Nov 07 14:08:10 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN102825.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Oct 29 13:09:46 2025
 Response via : Initial Calibration



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Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN110725\
 Data File : BN038153.D
 Acq On : 07 Nov 2025 14:20
 Operator : RC/JU
 Sample : PB170427BSD
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 PB170427BSD

Quant Time: Nov 07 14:43:59 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN102825.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Oct 29 13:09:46 2025
 Response via : Initial Calibration

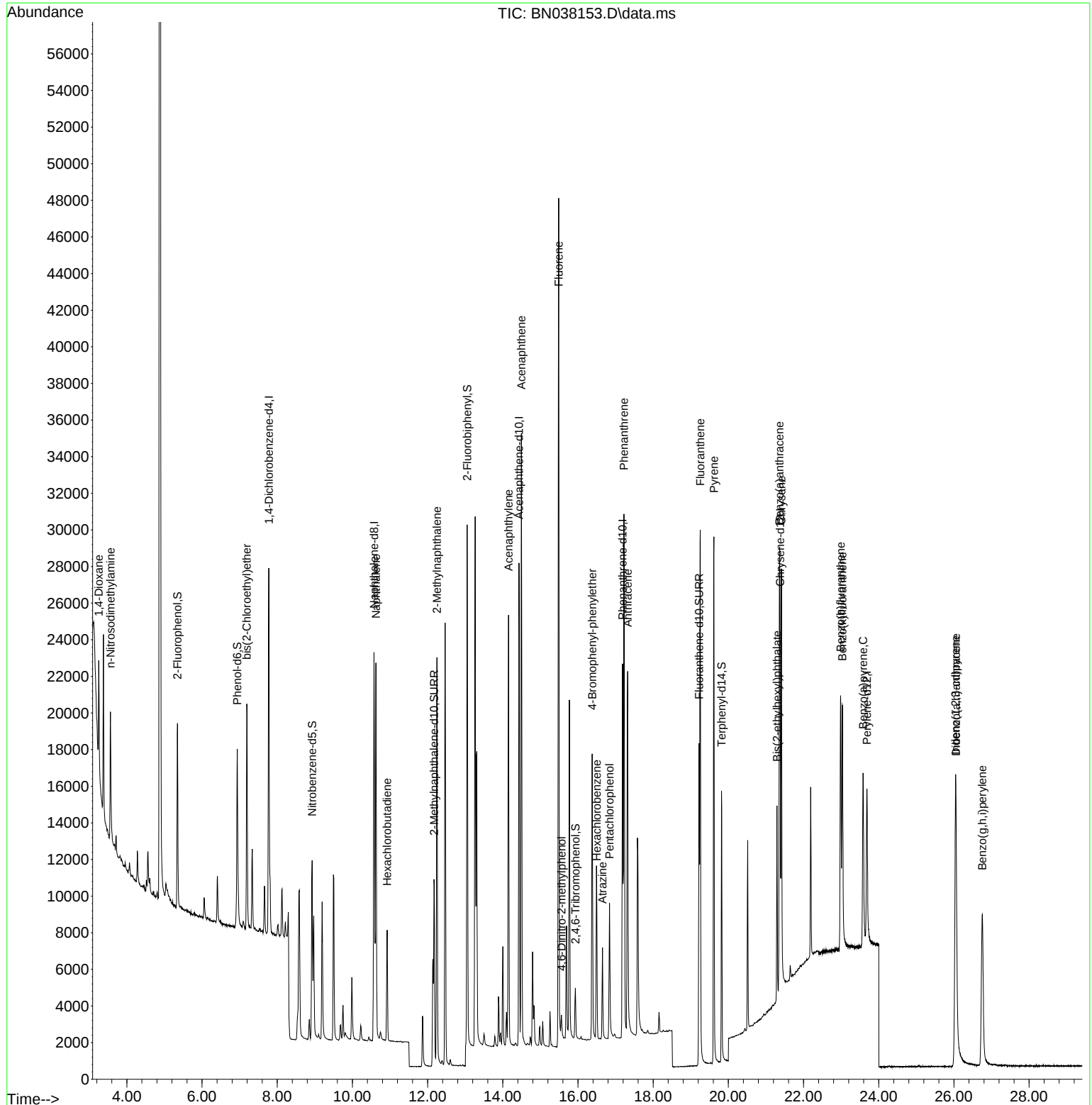
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.775	152	10026	0.400	ng	0.00
7) Naphthalene-d8	10.573	136	28983	0.400	ng	# 0.00
13) Acenaphthene-d10	14.430	164	15515	0.400	ng	0.00
19) Phenanthrene-d10	17.186	188	27421	0.400	ng	0.00
29) Chrysene-d12	21.375	240	14748	0.400	ng	0.00
35) Perylene-d12	23.686	264	12843	0.400	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.348	112	8412	0.356	ng	0.00
5) Phenol-d6	6.937	99	9765	0.339	ng	0.00
8) Nitrobenzene-d5	8.928	82	8483	0.363	ng	0.00
11) 2-Methylnaphthalene-d10	12.172	152	15313	0.370	ng	0.00
14) 2,4,6-Tribromophenol	15.932	330	1709	0.267	ng	0.00
15) 2-Fluorobiphenyl	13.051	172	23399	0.377	ng	0.00
27) Fluoranthene-d10	19.220	212	20301	0.294	ng	0.00
31) Terphenyl-d14	19.819	244	15184	0.474	ng	0.00
Target Compounds						
2) 1,4-Dioxane	3.254	88	3107	0.300	ng	# 63
3) n-Nitrosodimethylamine	3.564	42	4828	0.362	ng	# 92
6) bis(2-Chloroethyl)ether	7.190	93	9674	0.342	ng	97
9) Naphthalene	10.626	128	27698	0.347	ng	100
10) Hexachlorobutadiene	10.925	225	4883	0.363	ng	# 99
12) 2-Methylnaphthalene	12.248	142	16416	0.308	ng	99
16) Acenaphthylene	14.152	152	26047	0.371	ng	99
17) Acenaphthene	14.494	154	16275	0.331	ng	98
18) Fluorene	15.489	166	21962	0.341	ng	100
20) 4,6-Dinitro-2-methylph...	15.560	198	924	0.360	ng	94
21) 4-Bromophenyl-phenylether	16.379	248	6464	0.360	ng	96
22) Hexachlorobenzene	16.503	284	7742	0.379	ng	98
23) Atrazine	16.652	200	4195	0.319	ng	99
24) Pentachlorophenol	16.838	266	4005	0.455	ng	98
25) Phenanthrene	17.223	178	30077	0.345	ng	100
26) Anthracene	17.322	178	26370	0.346	ng	100
28) Fluoranthene	19.252	202	27890	0.287	ng	100
30) Pyrene	19.615	202	27217	0.409	ng	100
32) Benzo(a)anthracene	21.357	228	18326	0.348	ng	99
33) Chrysene	21.411	228	21315	0.373	ng	100
34) Bis(2-ethylhexyl)phtha...	21.295	149	8356	0.302	ng	99
36) Indeno(1,2,3-cd)pyrene	26.039	276	23211	0.440	ng	99
37) Benzo(b)fluoranthene	22.987	252	18803	0.342	ng	95
38) Benzo(k)fluoranthene	23.031	252	19981	0.362	ng	97
39) Benzo(a)pyrene	23.583	252	16370	0.372	ng	95
40) Dibenzo(a,h)anthracene	26.057	278	17788	0.438	ng	99
41) Benzo(g,h,i)perylene	26.756	276	20005	0.431	ng	99

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

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN110725\
Data File : BN038153.D
Acq On : 07 Nov 2025 14:20
Operator : RC/JU
Sample : PB170427BSD
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
PB170427BSD

Quant Time: Nov 07 14:43:59 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN102825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Oct 29 13:09:46 2025
Response via : Initial Calibration



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

Manual Integration Report

Sequence:	BN102825	Instrument	BNA_n
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Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
SSTDICC0.8	BN038114.D	Benzo(b)fluoranthene	rahul	10/29/2025 9:43:43 AM	mohammad	10/30/2025 5:29:45 AM	Peak Integrated by Software

Manual Integration Report

Sequence:	BN110725	Instrument	BNA_n
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Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
Q3552-03	BN038154.D	2-Methylnaphthalene-d10	rahul	11/10/2025 8:45:50 AM	Jagrut	11/10/2025 12:19:50 PM	Peak Integrated by Software
Q3552-03	BN038154.D	Phenanthrene	rahul	11/10/2025 8:45:50 AM	Jagrut	11/10/2025 12:19:50 PM	Peak Integrated by Software
Q3552-05	BN038156.D	Phenanthrene	rahul	11/10/2025 8:45:53 AM	Jagrut	11/10/2025 12:19:52 PM	Peak Integrated by Software
Q3552-01	BN038161.D	Anthracene	rahul	11/10/2025 8:45:57 AM	Jagrut	11/10/2025 12:19:54 PM	Peak Integrated by Software
SSTDCCC0.4	BN038163.D	Benzo(b)fluoranthene	rahul	11/10/2025 8:45:59 AM	Jagrut	11/10/2025 12:19:57 PM	Peak Integrated by Software
SSTDCCC0.4	BN038172.D	Benzo(b)fluoranthene	rahul	11/10/2025 8:46:09 AM	Jagrut	11/10/2025 12:20:03 PM	Peak Integrated by Software



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

Manual Integration Report

Sequence:	BN111025	Instrument	BNA_n
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Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
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Instrument ID: **BNA_N**

Daily Analysis Runlog For Sequence/QC Batch ID # BN102825

Review By	rahul	Review On	10/28/2025 3:41:07 PM
Supervise By	mohammad	Supervise On	10/30/2025 5:29:45 AM
SubDirectory	BN102825	HP Acquire Method	BNA_N, 8270_SiM HP Processing Method BN102825
STD. NAME	STD REF.#		
Tune/Reschk	SP6875		
Initial Calibration Stds	SP6897,SP6898,SP6900,SP6901,SP6902,SP6903,SP6904		
CCC	SP6902		
Internal Standard/PEM	SP6830,1ul/100ul sample		
ICV/I.BLK	SP6906		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	DFTPP	BN038110.D	28 Oct 2025 12:05	RC/JU	Ok
2	SSTDICC0.1	BN038111.D	28 Oct 2025 13:00	RC/JU	Ok
3	SSTDICC0.2	BN038112.D	28 Oct 2025 13:36	RC/JU	Ok
4	SSTDICCC0.4	BN038113.D	28 Oct 2025 14:13	RC/JU	Ok
5	SSTDICC0.8	BN038114.D	28 Oct 2025 14:49	RC/JU	Ok,M
6	SSTDICC1.6	BN038115.D	28 Oct 2025 15:25	RC/JU	Ok
7	SSTDICC3.2	BN038116.D	28 Oct 2025 16:02	RC/JU	Ok
8	SSTDICC5.0	BN038117.D	28 Oct 2025 16:38	RC/JU	Ok
9	SSTDICV0.4	BN038118.D	28 Oct 2025 17:51	RC/JU	Ok
10	PB170167BL	BN038119.D	28 Oct 2025 19:04	RC/JU	Not Ok

M : Manual Integration

Instrument ID: **BNA_N**

Daily Analysis Runlog For Sequence/QC Batch ID # BN110725

Review By	rahul	Review On	11/7/2025 2:34:23 PM
Supervise By	Jagrut	Supervise On	11/10/2025 12:20:28 PM
SubDirectory	BN110725	HP Acquire Method	BNA_N
		HP Processing Method	BN102825
STD. NAME	STD REF.#		
Tune/Reschk	SP6875		
Initial Calibration Stds	SP6897,SP6898,SP6900,SP6901,SP6902,SP6903,SP6904		
CCC	SP6902		
Internal Standard/PEM	SP6830,1ul/100ul sample		
ICV/I.BLK	SP6906		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	DFTPP	BN038146.D	07 Nov 2025 09:00	RC/JU	Ok
2	SSTDCCC0.4	BN038147.D	07 Nov 2025 09:39	RC/JU	Ok
3	PB170427BL	BN038148.D	07 Nov 2025 10:15	RC/JU	Not Ok
4	Q3534-01	BN038149.D	07 Nov 2025 10:52	RC/JU	Dilution
5	Q3534-02	BN038150.D	07 Nov 2025 11:27	RC/JU	Dilution
6	Q3534-03	BN038151.D	07 Nov 2025 12:04	RC/JU	Dilution
7	PB170427BS	BN038152.D	07 Nov 2025 13:44	RC/JU	Ok
8	PB170427BSD	BN038153.D	07 Nov 2025 14:20	RC/JU	Ok
9	Q3552-03	BN038154.D	07 Nov 2025 14:56	RC/JU	Dilution
10	Q3534-05	BN038155.D	07 Nov 2025 15:33	RC/JU	Dilution
11	Q3552-05	BN038156.D	07 Nov 2025 16:10	RC/JU	Dilution
12	Q3534-04	BN038157.D	07 Nov 2025 16:46	RC/JU	Ok
13	Q3534-06	BN038158.D	07 Nov 2025 17:21	RC/JU	Ok
14	Q3534-07	BN038159.D	07 Nov 2025 17:58	RC/JU	Ok
15	Q3552-04	BN038160.D	07 Nov 2025 18:34	RC/JU	Ok
16	Q3552-01	BN038161.D	07 Nov 2025 19:10	RC/JU	Dilution
17	Q3552-02	BN038162.D	07 Nov 2025 19:46	RC/JU	Dilution
18	SSTDCCC0.4	BN038163.D	07 Nov 2025 20:22	RC/JU	Ok,M
19	DFTPP	BN038164.D	07 Nov 2025 21:38	RC/JU	Ok
20	SSTDCCC0.4	BN038165.D	07 Nov 2025 22:18	RC/JU	Ok
21	PB170427BL	BN038166.D	07 Nov 2025 22:54	RC/JU	Ok

Instrument ID: **BNA_N**

Daily Analysis Runlog For Sequence/QC Batch ID # BN110725

Review By	rahul	Review On	11/7/2025 2:34:23 PM		
Supervise By	Jagrut	Supervise On	11/10/2025 12:20:28 PM		
SubDirectory	BN110725	HP Acquire Method	BNA_N	HP Processing Method	BN102825
STD. NAME		STD REF.#			
Tune/Reschk		SP6875			
Initial Calibration Stds		SP6897,SP6898,SP6900,SP6901,SP6902,SP6903,SP6904			
CCC		SP6902			
Internal Standard/PEM		SP6830,1ul/100ul sample			
ICV/I.BLK		SP6906			
Surrogate Standard					
MS/MSD Standard					
LCS Standard					

22	Q3534-09	BN038167.D	07 Nov 2025 23:31	RC/JU	Ok
23	Q3534-10	BN038168.D	08 Nov 2025 00:07	RC/JU	Ok,M
24	Q3534-01DL	BN038169.D	08 Nov 2025 00:44	RC/JU	Ok,M
25	Q3534-02DL	BN038170.D	08 Nov 2025 01:20	RC/JU	Ok
26	Q3534-03DL	BN038171.D	08 Nov 2025 01:57	RC/JU	Ok
27	SSTDCCC0.4	BN038172.D	08 Nov 2025 02:34	RC/JU	Ok,M

M : Manual Integration

Instrument ID: **BNA_N**

Daily Analysis Runlog For Sequence/QC Batch ID # BN111025

Review By	rahul	Review On	11/11/2025 8:29:55 AM
Supervise By	Jagrut	Supervise On	11/11/2025 10:33:05 AM
SubDirectory	BN111025	HP Acquire Method	BNA_N, 8270_SiM HP Processing Method BN102825
STD. NAME	STD REF.#		
Tune/Reschk	SP6875		
Initial Calibration Stds	SP6897,SP6898,SP6900,SP6901,SP6902,SP6903,SP6904		
CCC	SP6902		
Internal Standard/PEM	SP6830,1ul/100ul sample		
ICV/I.BLK	SP6906		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	DFTPP	BN038173.D	10 Nov 2025 09:30	RC/JU	Ok
2	SSTDCCC0.4	BN038174.D	10 Nov 2025 10:14	RC/JU	Ok
3	PB170427BL	BN038175.D	10 Nov 2025 10:50	RC/JU	Ok
4	Q3534-05DL	BN038176.D	10 Nov 2025 11:26	RC/JU	Ok
5	Q3552-01DL	BN038177.D	10 Nov 2025 12:02	RC/JU	Ok
6	Q3552-05DL	BN038178.D	10 Nov 2025 12:39	RC/JU	Ok
7	Q3552-03DL	BN038179.D	10 Nov 2025 13:16	RC/JU	Ok
8	Q3552-02DL	BN038180.D	10 Nov 2025 13:52	RC/JU	Ok
9	SSTDCCC0.4	BN038181.D	10 Nov 2025 15:01	RC/JU	Ok

M : Manual Integration

Instrument ID: BNA_N

Daily Analysis Runlog For Sequence/QC Batch ID # BN102825

Review By	rahul	Review On	10/28/2025 3:41:07 PM
Supervise By	mohammad	Supervise On	10/30/2025 5:29:45 AM
SubDirectory	BN102825	HP Acquire Method	BNA_N, 8270_HP Processing Method BN102825

STD. NAME	STD REF.#
Tune/Reschk	SP6875
Initial Calibration Stds	SP6897,SP6898,SP6900,SP6901,SP6902,SP6903,SP6904
CCC	SP6902
Internal Standard/PEM	SP6830,1ul/100ul sample
ICV/I.BLK	SP6906
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleID	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	DFTPP	DFTPP	BN038110.D	28 Oct 2025 12:05		RC/JU	Ok
2	SSTDICC0.1	SSTDICC0.1	BN038111.D	28 Oct 2025 13:00		RC/JU	Ok
3	SSTDICC0.2	SSTDICC0.2	BN038112.D	28 Oct 2025 13:36		RC/JU	Ok
4	SSTDICCC0.4	SSTDICCC0.4	BN038113.D	28 Oct 2025 14:13	compound #20 kept on LR	RC/JU	Ok
5	SSTDICC0.8	SSTDICC0.8	BN038114.D	28 Oct 2025 14:49		RC/JU	Ok,M
6	SSTDICC1.6	SSTDICC1.6	BN038115.D	28 Oct 2025 15:25		RC/JU	Ok
7	SSTDICC3.2	SSTDICC3.2	BN038116.D	28 Oct 2025 16:02		RC/JU	Ok
8	SSTDICC5.0	SSTDICC5.0	BN038117.D	28 Oct 2025 16:38	Compound #20 removed from 5PPM	RC/JU	Ok
9	SSTDICV0.4	ICVBN102825	BN038118.D	28 Oct 2025 17:51		RC/JU	Ok
10	PB170167BL	PB170167BL	BN038119.D	28 Oct 2025 19:04	END CCC missing, Analyzed for Contamination check.	RC/JU	Not Ok

M : Manual Integration

Instrument ID: BNA_N

Daily Analysis Runlog For Sequence/QC Batch ID # BN110725

Review By	rahul	Review On	11/7/2025 2:34:23 PM		
Supervise By	Jagrut	Supervise On	11/10/2025 12:20:28 PM		
SubDirectory	BN110725	HP Acquire Method	BNA_N	HP Processing Method	BN102825
STD. NAME		STD REF.#			
Tune/Reschk		SP6875			
Initial Calibration Stds		SP6897,SP6898,SP6900,SP6901,SP6902,SP6903,SP6904			
CCC		SP6902			
Internal Standard/PEM		SP6830,1ul/100ul sample			
ICV/I.BLK		SP6906			
Surrogate Standard					
MS/MSD Standard					
LCS Standard					

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	DFTPP	DFTPP	BN038146.D	07 Nov 2025 09:00		RC/JU	Ok
2	SSTDCCC0.4	SSTDCCC0.4	BN038147.D	07 Nov 2025 09:39		RC/JU	Ok
3	PB170427BL	PB170427BL	BN038148.D	07 Nov 2025 10:15	Analyzed for contamination check	RC/JU	Not Ok
4	Q3534-01	MW-6	BN038149.D	07 Nov 2025 10:52	Internal standard failed,,Need 10X Dilution	RC/JU	Dilution
5	Q3534-02	MW-1	BN038150.D	07 Nov 2025 11:27	Need 30X Dilution	RC/JU	Dilution
6	Q3534-03	MW-11	BN038151.D	07 Nov 2025 12:04	Need 2X Dilution	RC/JU	Dilution
7	PB170427BS	PB170427BS	BN038152.D	07 Nov 2025 13:44		RC/JU	Ok
8	PB170427BSD	PB170427BSD	BN038153.D	07 Nov 2025 14:20		RC/JU	Ok
9	Q3552-03	MW-9	BN038154.D	07 Nov 2025 14:56	Internal standard failed,Need 10X Dilution	RC/JU	Dilution
10	Q3534-05	MW-EB-1	BN038155.D	07 Nov 2025 15:33	Internal standard failed,Need 2X Dilution	RC/JU	Dilution
11	Q3552-05	MW-3	BN038156.D	07 Nov 2025 16:10	Internal standard failed,Need 10X Dilution	RC/JU	Dilution
12	Q3534-04	MW-5	BN038157.D	07 Nov 2025 16:46		RC/JU	Ok
13	Q3534-06	MW-EB-2	BN038158.D	07 Nov 2025 17:21		RC/JU	Ok
14	Q3534-07	MW-EB-3	BN038159.D	07 Nov 2025 17:58		RC/JU	Ok
15	Q3552-04	MW-10	BN038160.D	07 Nov 2025 18:34		RC/JU	Ok
16	Q3552-01	MW-4	BN038161.D	07 Nov 2025 19:10	Need 40X Dilution	RC/JU	Dilution
17	Q3552-02	MW-8	BN038162.D	07 Nov 2025 19:46	Need 5X Dilution	RC/JU	Dilution

Instrument ID: BNA_N

Daily Analysis Runlog For Sequence/QC Batch ID # BN110725

Review By	rahul	Review On	11/7/2025 2:34:23 PM		
Supervise By	Jagrut	Supervise On	11/10/2025 12:20:28 PM		
SubDirectory	BN110725	HP Acquire Method	BNA_N	HP Processing Method	BN102825
STD. NAME	STD REF.#				
Tune/Reschk	SP6875				
Initial Calibration Stds	SP6897,SP6898,SP6900,SP6901,SP6902,SP6903,SP6904				
CCC	SP6902				
Internal Standard/PEM	SP6830,1ul/100ul sample				
ICV/I.BLK	SP6906				
Surrogate Standard					
MS/MSD Standard					
LCS Standard					

18	SSTDCCC0.4	SSTDCCC0.4EC	BN038163.D	07 Nov 2025 20:22		RC/JU	Ok,M
19	DFTPP	DFTPP	BN038164.D	07 Nov 2025 21:38		RC/JU	Ok
20	SSTDCCC0.4	SSTDCCC0.4	BN038165.D	07 Nov 2025 22:18		RC/JU	Ok
21	PB170427BL	PB170427BL	BN038166.D	07 Nov 2025 22:54		RC/JU	Ok
22	Q3534-09	FB-1	BN038167.D	07 Nov 2025 23:31		RC/JU	Ok
23	Q3534-10	EB-1	BN038168.D	08 Nov 2025 00:07		RC/JU	Ok,M
24	Q3534-01DL	MW-6DL	BN038169.D	08 Nov 2025 00:44		RC/JU	Ok,M
25	Q3534-02DL	MW-1DL	BN038170.D	08 Nov 2025 01:20		RC/JU	Ok
26	Q3534-03DL	MW-11DL	BN038171.D	08 Nov 2025 01:57		RC/JU	Ok
27	SSTDCCC0.4	SSTDCCC0.4EC	BN038172.D	08 Nov 2025 02:34		RC/JU	Ok,M

M : Manual Integration

A
B
C
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G
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I
J
K

Instrument ID: BNA_N

Daily Analysis Runlog For Sequence/QC Batch ID # BN111025

Review By	rahul	Review On	11/11/2025 8:29:55 AM
Supervise By	Jagrut	Supervise On	11/11/2025 10:33:05 AM
SubDirectory	BN111025	HP Acquire Method	BNA_N, 8270_HP Processing Method BN102825
STD. NAME	STD REF.#		
Tune/Reschk	SP6875		
Initial Calibration Stds	SP6897,SP6898,SP6900,SP6901,SP6902,SP6903,SP6904		
CCC	SP6902		
Internal Standard/PEM	SP6830,1ul/100ul sample		
ICV/I.BLK	SP6906		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	DFTPP	DFTPP	BN038173.D	10 Nov 2025 09:30		RC/JU	Ok
2	SSTDCCC0.4	SSTDCCC0.4	BN038174.D	10 Nov 2025 10:14		RC/JU	Ok
3	PB170427BL	PB170427BL	BN038175.D	10 Nov 2025 10:50		RC/JU	Ok
4	Q3534-05DL	MW-EB-1DL	BN038176.D	10 Nov 2025 11:26		RC/JU	Ok
5	Q3552-01DL	MW-4DL	BN038177.D	10 Nov 2025 12:02		RC/JU	Ok
6	Q3552-05DL	MW-3DL	BN038178.D	10 Nov 2025 12:39		RC/JU	Ok
7	Q3552-03DL	MW-9DL	BN038179.D	10 Nov 2025 13:16		RC/JU	Ok
8	Q3552-02DL	MW-8DL	BN038180.D	10 Nov 2025 13:52		RC/JU	Ok
9	SSTDCCC0.4	SSTDCCC0.4EC	BN038181.D	10 Nov 2025 15:01		RC/JU	Ok

M : Manual Integration

SOP ID: M3510C,3580A-Extraction SVOC-21

Clean Up SOP #: N/A **Extraction Start Date :** 11/06/2025

Matrix : Water **Extraction Start Time :** 10:03

Weigh By: N/A **Extraction By:** RS **Extraction End Date :** 11/06/2025

Balance check: N/A **Filter By:** RS **Extraction End Time :** 15:05

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

pH Strip Lot#: E3953 **Hood ID:** 4,6,7 **Supervisor By :** RUPESH

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

Standard Name	MLS USED	Concentration ug/mL	STD REF. # FROM LOG
Spike Sol 1	1.0ML	0.4 PPM	SP6876
Surrogate	1.0ML	0.4 PPM	SP6893
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	E3980
Baked Na2SO4	N/A	EP2655
H2SO4 1:1	N/A	EP2657
10N NaOH	N/A	EP2658
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:

PH Adjusted TO <2 with 1:1 H2SO4 & >11with 10N NAOH ,1.5ML Vial Lot #2210443. Q3534-09 & 10 split the volume.

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

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

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
11/6/25	RS (Ext Lab)	JG/SV02
15:10	Preparation Group	Analysis Group

Analytical Method: M3510C,3580A-Extraction SVOC-21

Concentration Date: 11/06/2025

Sample ID	Client Sample ID	Test	g / mL	PH	Surr/Spike By:		Final Vol. (mL)	JarID	Comments	Prep Pos
					AddedBy	VerifiedBy				
PB170427BL	SBLK427	SVOC-SIMGrou p1	1000	6	RUPESH	ritesh	1			SEP-1
PB170427BS	SLCS427	SVOC-SIMGrou p1	1000	6	RUPESH	ritesh	1			2
PB170427BS D	SLCSD427	SVOC-SIMGrou p1	1000	6	RUPESH	ritesh	1			3
Q3534-01	MW-6	SVOC-SIMGrou p1	950	6	RUPESH	ritesh	1	M		4
Q3534-02	MW-1	SVOC-SIMGrou p1	940	6	RUPESH	ritesh	1	M		5
Q3534-03	MW-11	SVOC-SIMGrou p1	980	6	RUPESH	ritesh	1	M		6
Q3534-04	MW-5	SVOC-SIMGrou p1	950	6	RUPESH	ritesh	1	M		7
Q3534-05	MW-EB-1	SVOC-SIMGrou p1	990	6	RUPESH	ritesh	1	M		8
Q3534-06	MW-EB-2	SVOC-SIMGrou p1	980	6	RUPESH	ritesh	1	M		9
Q3534-07	MW-EB-3	SVOC-SIMGrou p1	950	6	RUPESH	ritesh	1	M		10
Q3534-09	FB-1	SVOC-SIMGrou p1	500	6	RUPESH	ritesh	0.5	M		11
Q3534-10	EB-1	SVOC-SIMGrou p1	500	6	RUPESH	ritesh	0.5	M		12
Q3552-01	MW-4	SVOC-SIMGrou p1	1000	6	RUPESH	ritesh	1	M		13
Q3552-02	MW-8	SVOC-SIMGrou p1	1000	6	RUPESH	ritesh	1	M		14
Q3552-03	MW-9	SVOC-SIMGrou p1	1000	6	RUPESH	ritesh	1	M		15
Q3552-04	MW-10	SVOC-SIMGrou p1	1000	6	RUPESH	ritesh	1	M		16
Q3552-05	MW-3	SVOC-SIMGrou p1	960	6	RUPESH	ritesh	1	M		17

* Extracts relinquished on the same date as received.

Rs
1116

10:02
11/6/25

WORKLIST(Hardcopy Internal Chain)

WorkList Name : Q3552

WorkList ID : 192937

Department : Extraction

Date : 11-06-2025 08:49:16

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q3534-01	MW-6	Water	SVOC-SIMGroup1	Cool 4 deg C	REMI02	D31	11/03/2025	8270-Modified
Q3534-02	MW-1	Water	SVOC-SIMGroup1	Cool 4 deg C	REMI02	D31	11/03/2025	8270-Modified
Q3534-03	MW-11	Water	SVOC-SIMGroup1	Cool 4 deg C	REMI02	D31	11/03/2025	8270-Modified
Q3534-04	MW-5	Water	SVOC-SIMGroup1	Cool 4 deg C	REMI02	D31	11/03/2025	8270-Modified
Q3534-05	MW-EB-1	Water	SVOC-SIMGroup1	Cool 4 deg C	REMI02	D31	11/04/2025	8270-Modified
Q3534-06	MW-EB-2	Water	SVOC-SIMGroup1	Cool 4 deg C	REMI02	D31	11/03/2025	8270-Modified
Q3534-07	MW-EB-3	Water	SVOC-SIMGroup1	Cool 4 deg C	REMI02	D31	11/04/2025	8270-Modified
Q3534-09	FB-1	Water	SVOC-SIMGroup1	Cool 4 deg C	REMI02	D31	11/03/2025	8270-Modified
Q3534-10	EB-1	Water	SVOC-SIMGroup1	Cool 4 deg C	REMI02	D31	11/04/2025	8270-Modified
Q3552-01	MW-4	Water	SVOC-SIMGroup1	Cool 4 deg C	REMI02	D31	11/04/2025	8270-Modified
Q3552-02	MW-8	Water	SVOC-SIMGroup1	Cool 4 deg C	REMI02	D41	11/04/2025	8270-Modified
Q3552-03	MW-9	Water	SVOC-SIMGroup1	Cool 4 deg C	REMI02	D41	11/04/2025	8270-Modified
Q3552-04	MW-10	Water	SVOC-SIMGroup1	Cool 4 deg C	REMI02	D41	11/04/2025	8270-Modified
Q3552-05	MW-3	Water	SVOC-SIMGroup1	Cool 4 deg C	REMI02	D41	11/05/2025	8270-Modified
					REMI02	D41	11/04/2025	8270-Modified

Date/Time 11/6/25 10:00
Raw Sample Received by: RS (Ext Lab)
Raw Sample Relinquished by: [Signature]

Date/Time 11/6/25 10:40
Raw Sample Received by: [Signature]
Raw Sample Relinquished by: RS (Ext Lab)



LAB CHRONICLE

OrderID:	Q3552	OrderDate:	11/5/2025 2:23:00 PM
Client:	Remington & Vernick Engineers	Project:	Edison Landfill
Contact:	Kyle Carlson	Location:	D41,VOA Ref. #3 Water

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q3552-01	MW-4	Water	SVOC-SIMGroup1 SVOC-TCL BNA -20	8270-Modified 8270E	11/04/25	11/06/25 11/06/25	11/07/25 11/06/25	11/05/25
Q3552-01DL	MW-4DL	Water	SVOC-SIMGroup1	8270-Modified	11/04/25	11/06/25	11/10/25	11/05/25
Q3552-02	MW-8	Water	SVOC-SIMGroup1 SVOC-TCL BNA -20	8270-Modified 8270E	11/04/25	11/06/25 11/06/25	11/07/25 11/06/25	11/05/25
Q3552-02DL	MW-8DL	Water	SVOC-SIMGroup1	8270-Modified	11/04/25	11/06/25	11/10/25	11/05/25
Q3552-03	MW-9	Water	SVOC-SIMGroup1 SVOC-TCL BNA -20	8270-Modified 8270E	11/04/25	11/06/25 11/06/25	11/07/25 11/06/25	11/05/25
Q3552-03DL	MW-9DL	Water	SVOC-SIMGroup1	8270-Modified	11/04/25	11/06/25	11/10/25	11/05/25
Q3552-04	MW-10	Water	SVOC-SIMGroup1 SVOC-TCL BNA -20	8270-Modified 8270E	11/05/25	11/06/25 11/06/25	11/07/25 11/06/25	11/05/25
Q3552-05	MW-3	Water	SVOC-SIMGroup1 SVOC-TCL BNA -20	8270-Modified 8270E	11/04/25	11/06/25 11/06/25	11/07/25 11/06/25	11/05/25
Q3552-05DL	MW-3DL	Water	SVOC-SIMGroup1	8270-Modified	11/04/25	11/06/25	11/10/25	11/05/25