

DATA REPORTING QUALIFIERS- ORGANIC

For reporting results, the following “ Results Qualifiers” are used:

Value	If the result is a value greater than or equal to the detection limit, report the value
U	Indicates the compound was analyzed for but was not detected. Report the minimum detection limit for the sample with the U, i.e. “10 U”. This is not necessarily the instrument detection limit attainable for this particular sample based on any concentration or dilution that may have been required.
ND	Indicates the analyte was analyzed for, but not detected
J	Indicates an estimated value. This flag is used: (1) When estimating a concentration for a tentatively identified compound (library search hits, where a 1:1 response is assumed.) (2) When the mass spectral data indicated the identification, however the result was less than the specified detection limit greater than zero. If the detection limit was 10ug/L and a concentration of 3 ug/L was calculated report as 3 J. This flag is used when similar situation arise on any organic parameter i.e. Pest, PCB and others.
B	Indicates the analyte was found in the blank as well as the sample report as “12 B”.
E	Indicates the analyte ‘s concentration exceeds the calibrated range of the instrument for that specific analysis.
D	This flag identifies all compounds identified in an analysis at a secondary dilution factor.
P	This flag is used for Pesticide/PCB target analyte when there is >25% difference for detected concentrations between the two GC columns. The lower of the two values is reported on Form 1 and flagged with a “P”.
N	This flag indicates presumptive evidence of a compound. This is only used for tentatively identified compounds (TICs), where the identification is based on a mass spectral library search. It applies to all TIC results. For generic characterization of a TIC, such as chlorinated hydrocarbon, the flag is not used.
A	This flag indicates that a Tentatively Identified Compound is a suspected aldol-condensation product.
Q	Indicates the LCS did not meet the control limits requirements

LAB CHRONICLE

OrderID:	Q3534	OrderDate:	11/4/2025 1:29:44 PM
Client:	Remington & Vernick Engineers	Project:	Edison Landfill
Contact:	Kyle Carlson	Location:	D31,VOA Ref. #3 Water

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q3534-01	MW-6	Water	SVOC-SIMGroup1	8270-Modified	11/03/25	11/06/25	11/07/25	11/04/25
Q3534-01DL	MW-6DL	Water	SVOC-SIMGroup1	8270-Modified	11/03/25	11/06/25	11/08/25	11/04/25
Q3534-02	MW-1	Water	SVOC-SIMGroup1	8270-Modified	11/03/25	11/06/25	11/07/25	11/04/25
Q3534-02DL	MW-1DL	Water	SVOC-SIMGroup1	8270-Modified	11/03/25	11/06/25	11/08/25	11/04/25
Q3534-03	MW-11	Water	SVOC-SIMGroup1	8270-Modified	11/03/25	11/06/25	11/07/25	11/04/25
Q3534-03DL	MW-11DL	Water	SVOC-SIMGroup1	8270-Modified	11/03/25	11/06/25	11/08/25	11/04/25
Q3534-04	MW-5	Water	SVOC-SIMGroup1	8270-Modified	11/04/25	11/06/25	11/07/25	11/04/25
Q3534-05	MW-EB-1	Water	SVOC-SIMGroup1	8270-Modified	11/03/25	11/06/25	11/07/25	11/04/25
Q3534-05DL	MW-EB-1DL	Water	SVOC-SIMGroup1	8270-Modified	11/03/25	11/06/25	11/10/25	11/04/25
Q3534-06	MW-EB-2	Water	SVOC-SIMGroup1	8270-Modified	11/04/25	11/06/25	11/07/25	11/04/25
Q3534-07	MW-EB-3	Water	SVOC-SIMGroup1	8270-Modified	11/03/25	11/06/25	11/07/25	11/04/25
Q3534-09	FB-1	Water			11/04/25			11/04/25

LAB CHRONICLE

Q3534-10	EB-1	Water	SVOC-SIMGroup1	8270-Modified		11/06/25	11/07/25	
			SVOC-SIMGroup1	8270-Modified	11/04/25	11/06/25	11/08/25	11/04/25

Hit Summary Sheet SW-846

SDG No.: Q3534

Client: Remington & Vernick Engineers

Sample ID	Client ID		Parameter	Concentration	C	MDL	RDL	Units
Client ID :	MW-6							
Q3534-01	MW-6	WATER	1,4-Dioxane	14.900	E	0.07	0.21	ug/L
			Total Svoc :			14.90		
			Total Concentration:			14.90		
Client ID :	MW-6DL							
Q3534-01DL	MW-6DL	WATER	1,4-Dioxane	22.400	D	0.69	2.1	ug/L
			Total Svoc :			22.40		
			Total Concentration:			22.40		
Client ID :	MW-1							
Q3534-02	MW-1	WATER	1,4-Dioxane	62.800	E	0.07	0.21	ug/L
			Total Svoc :			62.80		
			Total Concentration:			62.80		
Client ID :	MW-1DL							
Q3534-02DL	MW-1DL	WATER	1,4-Dioxane	73.100	D	2.1	6.4	ug/L
			Total Svoc :			73.10		
			Total Concentration:			73.10		
Client ID :	MW-11							
Q3534-03	MW-11	WATER	1,4-Dioxane	5.200	E	0.07	0.2	ug/L
			Total Svoc :			5.20		
			Total Concentration:			5.20		
Client ID :	MW-11DL							
Q3534-03DL	MW-11DL	WATER	1,4-Dioxane	5.600	D	0.13	0.41	ug/L
			Total Svoc :			5.60		
			Total Concentration:			5.60		
Client ID :	MW-5							
Q3534-04	MW-5	WATER	1,4-Dioxane	3.300		0.07	0.21	ug/L
			Total Svoc :			3.30		
			Total Concentration:			3.30		
Client ID :	MW-EB-1							
Q3534-05	MW-EB-1	WATER	1,4-Dioxane	6.300	E	0.07	0.2	ug/L
			Total Svoc :			6.30		
			Total Concentration:			6.30		
Client ID :	MW-EB-1DL							
Q3534-05DL	MW-EB-1DL	WATER	1,4-Dioxane	6.700	D	0.13	0.4	ug/L
			Total Svoc :			6.70		

Hit Summary Sheet
SW-846

SDG No.: Q3534
Client: Remington & Vernick Engineers

Sample ID	Client ID	Parameter	Concentration	C	MDL	RDL	Units
Total Concentration:					6.70		
Client ID :	MW-EB-2						
Q3534-06	MW-EB-2	WATER	1,4-Dioxane	3.600	0.07	0.2	ug/L
Total Svoc :					3.60		
Total Concentration:					3.60		
Client ID :	MW-EB-3						
Q3534-07	MW-EB-3	WATER	1,4-Dioxane	2.300	0.07	0.21	ug/L
Total Svoc :					2.30		
Total Concentration:					2.30		



QC SUMMARY

Surrogate Summary

SW-846

SDG No.: Q3534

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)
Q3534-01	MW-6	2-Methylnaphthalene-d10	0.4	0.30	76		30 (20)	150 (139)
		Fluoranthene-d10	0.4	0.37	92		30 (54)	150 (157)
		Nitrobenzene-d5	0.4	0.34	84		30 (27)	130 (154)
		2-Fluorobiphenyl	0.4	0.24	59		30 (30)	130 (155)
		Terphenyl-d14	0.4	0.52	131	*	30 (54)	130 (175)
Q3534-01DL	MW-6DL	2-Methylnaphthalene-d10	0.4	0.50	125		30 (20)	150 (139)
		Fluoranthene-d10	0.4	0.49	123		30 (54)	150 (157)
		Nitrobenzene-d5	0.4	0.53	132	*	30 (27)	130 (154)
		2-Fluorobiphenyl	0.4	0.66	165	*	30 (30)	130 (155)
		Terphenyl-d14	0.4	0.84	210	*	30 (54)	130 (175)
Q3534-02	MW-1	2-Methylnaphthalene-d10	0.4	0.33	83		30 (20)	150 (139)
		Fluoranthene-d10	0.4	0.37	93		30 (54)	150 (157)
		Nitrobenzene-d5	0.4	0.34	84		30 (27)	130 (154)
		2-Fluorobiphenyl	0.4	0.30	76		30 (30)	130 (155)
		Terphenyl-d14	0.4	0.51	127		30 (54)	130 (175)
Q3534-02DL	MW-1DL	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	0.66	165	*	30 (27)	130 (154)
		2-Fluorobiphenyl	0.4	0.93	233	*	30 (30)	130 (155)
		Terphenyl-d14	0.4	0.69	173	*	30 (54)	130 (175)
Q3534-03	MW-11	2-Methylnaphthalene-d10	0.4	0.33	81		30 (20)	150 (139)
		Fluoranthene-d10	0.4	0.35	88		30 (54)	150 (157)
		Nitrobenzene-d5	0.4	0.35	88		30 (27)	130 (154)
		2-Fluorobiphenyl	0.4	0.37	91		30 (30)	130 (155)
		Terphenyl-d14	0.4	0.55	138	*	30 (54)	130 (175)
Q3534-03DL	MW-11DL	2-Methylnaphthalene-d10	0.4	0.34	84		30 (20)	150 (139)
		Fluoranthene-d10	0.4	0.33	82		30 (54)	150 (157)
		Nitrobenzene-d5	0.4	0.36	90		30 (27)	130 (154)
		2-Fluorobiphenyl	0.4	0.41	101		30 (30)	130 (155)
		Terphenyl-d14	0.4	0.54	134	*	30 (54)	130 (175)
Q3534-04	MW-5	2-Methylnaphthalene-d10	0.4	0.36	89		30 (20)	150 (139)
		Fluoranthene-d10	0.4	0.38	94		30 (54)	150 (157)
		Nitrobenzene-d5	0.4	0.37	92		30 (27)	130 (154)
		2-Fluorobiphenyl	0.4	0.36	89		30 (30)	130 (155)
		Terphenyl-d14	0.4	0.54	135	*	30 (54)	130 (175)
Q3534-05	MW-EB-1	2-Methylnaphthalene-d10	0.4	0.34	84		30 (20)	150 (139)

() = LABORATORY INHOUSE LIMIT

Surrogate Summary

SW-846

SDG No.: Q3534

Client: Remington & Vernick Engineers

Analytical Method: 8270-Modified

Lab Sample ID	Client ID	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%)	
							Low	High
Q3534-05	MW-EB-1	Fluoranthene-d10	0.4	0.36	89		30 (54)	150 (157)
		Nitrobenzene-d5	0.4	0.37	93		30 (27)	130 (154)
		2-Fluorobiphenyl	0.4	0.13	32		30 (30)	130 (155)
		Terphenyl-d14	0.4	0.54	136	*	30 (54)	130 (175)
Q3534-05DL	MW-EB-1DL	2-Methylnaphthalene-d10	0.4	0.38	95		30 (20)	150 (139)
		Fluoranthene-d10	0.4	0.40	101		30 (54)	150 (157)
		Nitrobenzene-d5	0.4	0.39	97		30 (27)	130 (154)
		2-Fluorobiphenyl	0.4	0.21	53		30 (30)	130 (155)
Q3534-06	MW-EB-2	Terphenyl-d14	0.4	0.55	138	*	30 (54)	130 (175)
		2-Methylnaphthalene-d10	0.4	0.33	83		30 (20)	150 (139)
		Fluoranthene-d10	0.4	0.32	80		30 (54)	150 (157)
		Nitrobenzene-d5	0.4	0.33	82		30 (27)	130 (154)
Q3534-07	MW-EB-3	2-Fluorobiphenyl	0.4	0.36	90		30 (30)	130 (155)
		Terphenyl-d14	0.4	0.46	115		30 (54)	130 (175)
		2-Methylnaphthalene-d10	0.4	0.29	73		30 (20)	150 (139)
		Fluoranthene-d10	0.4	0.31	78		30 (54)	150 (157)
Q3534-09	FB-1	Nitrobenzene-d5	0.4	0.28	70		30 (27)	130 (154)
		2-Fluorobiphenyl	0.4	0.31	77		30 (30)	130 (155)
		Terphenyl-d14	0.4	0.54	135	*	30 (54)	130 (175)
		2-Methylnaphthalene-d10	0.2	0.071	36		30 (20)	150 (139)
Q3534-10	EB-1	Fluoranthene-d10	0.2	0.083	41		30 (54)	150 (157)
		Nitrobenzene-d5	0.2	0.079	40		30 (27)	130 (154)
		2-Fluorobiphenyl	0.2	0.098	49		30 (30)	130 (155)
		Terphenyl-d14	0.2	0.14	70		30 (54)	130 (175)
		2-Methylnaphthalene-d10	0.2	0.14	69		30 (20)	150 (139)
		Fluoranthene-d10	0.2	0.15	76		30 (54)	150 (157)
		Nitrobenzene-d5	0.2	0.15	75		30 (27)	130 (154)
		2-Fluorobiphenyl	0.2	0.17	87		30 (30)	130 (155)
		Terphenyl-d14	0.2	0.28	142	*	30 (54)	130 (175)

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q3534

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.: Q3534

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.: Q3534

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-6	Q3534-01	BN038149.D	11/07/2025
MW-1	Q3534-02	BN038150.D	11/07/2025
MW-11	Q3534-03	BN038151.D	11/07/2025
MW-5	Q3534-04	BN038157.D	11/07/2025
MW-EB-1	Q3534-05	BN038155.D	11/07/2025
MW-EB-2	Q3534-06	BN038158.D	11/07/2025
MW-EB-3	Q3534-07	BN038159.D	11/07/2025
FB-1	Q3534-09	BN038167.D	11/07/2025
EB-1	Q3534-10	BN038168.D	11/08/2025

COMMENTS: _____



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

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.: Q3534
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



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

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.: Q3534
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
MW-6	Q3534-01	BN038149.D	11/07/2025	10:52
MW-1	Q3534-02	BN038150.D	11/07/2025	11:27
MW-11	Q3534-03	BN038151.D	11/07/2025	12:04
PB170427BS	PB170427BS	BN038152.D	11/07/2025	13:44
PB170427BSD	PB170427BSD	BN038153.D	11/07/2025	14:20
MW-EB-1	Q3534-05	BN038155.D	11/07/2025	15:33
MW-5	Q3534-04	BN038157.D	11/07/2025	16:46
MW-EB-2	Q3534-06	BN038158.D	11/07/2025	17:21
MW-EB-3	Q3534-07	BN038159.D	11/07/2025	17:58



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

5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: Alliance
Lab Code: ACE
Lab File ID: BN038164.D
Instrument ID: BNA_N

Contract: REMI02
SDG NO.: Q3534
DFTPP Injection Date: 11/07/2025
DFTPP Injection Time: 21:38

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
68	Less than 2.0% of mass 69	0.0 (0.0) 1
69	Mass 69 relative abundance	33
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	6.6
365	Greater than 1% of mass 198	3.8
441	Present, but less than mass 443	16.5
442	Greater than 50% of mass 198	99.5
443	15.0 - 24.0% of mass 442	20.5 (20.6) 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	BN038165.D	11/07/2025	22:18
FB-1	Q3534-09	BN038167.D	11/07/2025	23:31
EB-1	Q3534-10	BN038168.D	11/08/2025	00:07
MW-6DL	Q3534-01DL	BN038169.D	11/08/2025	00:44
MW-1DL	Q3534-02DL	BN038170.D	11/08/2025	01:20
MW-11DL	Q3534-03DL	BN038171.D	11/08/2025	01:57



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

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.: Q3534
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-EB-1DL	Q3534-05DL	BN038176.D	11/10/2025	11:26

8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Alliance

Lab Code: ACE

SDG NO.: Q3534

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-6	10192	7.78	31652	10.57	28745 *	14.43
04 MW-1	10682	7.78	34512	10.57	21143	14.43
05 MW-11	11126	7.78	33175	10.57	19180	14.43
06 MW-5	11219	7.78	37220	10.57	24015	14.43
07 MW-EB-1	10875	7.78	36113	10.57	60230 *	14.43
08 MW-EB-2	8893	7.77	29066	10.57	16810	14.43
09 MW-EB-3	9137	7.78	30158	10.57	18614	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.: Q3534

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-6	36418	17.19	24102	21.38	20067	23.68
04 MW-1	39293	17.19	27007	21.38	21896	23.68
05 MW-11	36543	17.19	22615	21.38	19271	23.68
06 MW-5	44332	17.19	29531	21.38	25013	23.69
07 MW-EB-1	41457	17.19	24620	21.38	21598	23.69
08 MW-EB-2	27804	17.19	18112	21.38	18619	23.69
09 MW-EB-3	32744	17.19	18258	21.38	17319	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.: Q3534

Client ID : SSTDCCC0.4

Date Analyzed: 11/07/2025

Lab File ID: BN038165.D

Time Analyzed: 22:18

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	9349	7.775	29936	10.57	17702	14.43
UPPER LIMIT	18698	8.275	59872	11.073	35404	14.93
LOWER LIMIT	4674.5	7.275	14968	10.073	8851	13.93
EPA SAMPLE NO.						
01 MW-6DL	9036	7.78	29109	10.57	18416	14.43
02 MW-1DL	8096	7.78	25457	10.57	14977	14.43
03 MW-11DL	8387	7.78	25419	10.57	14582	14.43
04 FB-1	14967	7.78	45140	10.57	24883	14.43
05 EB-1	7465	7.78	23044	10.57	12718	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.: Q3534

Client ID: SSTDCCC0.4

Date Analyzed: 11/07/2025

Lab File ID: BN038165.D

Time Analyzed: 22:18

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	32727	17.186	20278	21.375	17474	23.686
UPPER LIMIT	65454	17.686	40556	21.875	34948	24.186
LOWER LIMIT	16363.5	16.686	10139	20.875	8737	23.186
EPA SAMPLE NO.						
01 MW-6DL	32776	17.19	18818	21.38	16362	23.68
02 MW-1DL	25954	17.19	14825	21.38	13976	23.68
03 MW-11DL	24478	17.19	14041	21.38	14209	23.68
04 FB-1	41414	17.19	24824	21.38	24058	23.69
05 EB-1	20516	17.19	12475	21.38	12586	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.

8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Alliance

Lab Code: ACE

SDG NO.: Q3534

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-EB-1DL	9993	7.78	33147	10.57	39685 *	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.: Q3534

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-EB-1DL	43630	17.19	31483	21.38	25895	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.



SAMPLE DATA



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

Report of Analysis

Client:	Remington & Vernick Engineers		Date Collected:	11/03/25
Project:	Edison Landfill		Date Received:	11/04/25
Client Sample ID:	MW-6		SDG No.:	Q3534
Lab Sample ID:	Q3534-01		Matrix:	Water
Analytical Method:	SW8270ESIM	Level: LOW	% Solid:	0
Sample Wt/Vol:	950 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	14.9	E	1	0.070	0.21	ug/L	11/07/25 10:52	PB170427
SURROGATES									
7297-45-2	2-Methylnaphthalene-d10	0.30			30 (20) - 150 (139)	76%	SPK: 0.4		
93951-69-0	Fluoranthene-d10	0.37			30 (54) - 150 (157)	92%	SPK: 0.4		
4165-60-0	Nitrobenzene-d5	0.34			30 (27) - 130 (154)	84%	SPK: 0.4		
321-60-8	2-Fluorobiphenyl	0.24			30 (30) - 130 (155)	59%	SPK: 0.4		
1718-51-0	Terphenyl-d14	0.52	*		30 (54) - 130 (175)	131%	SPK: 0.4		
INTERNAL STANDARDS		Area Count							
3855-82-1	1,4-Dichlorobenzene-d4	10200							
1146-65-2	Naphthalene-d8	31700							
15067-26-2	Acenaphthene-d10	28700							
1517-22-2	Phenanthrene-d10	36400							
1719-03-5	Chrysene-d12	24100							
1520-96-3	Perylene-d12	20100							

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

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN110725\
 Data File : BN038149.D
 Acq On : 07 Nov 2025 10:52
 Operator : RC/JU
 Sample : Q3534-01
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 MW-6

Manual Integrations
 APPROVED

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

Quant Time: Nov 07 11:15:31 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	10192	0.400	ng	0.00
7) Naphthalene-d8	10.573	136	31652	0.400	ng	# 0.00
13) Acenaphthene-d10	14.430	164	28745	0.400	ng	0.00
19) Phenanthrene-d10	17.186	188	36418	0.400	ng	# 0.00
29) Chrysene-d12	21.375	240	24102	0.400	ng	# 0.00
35) Perylene-d12	23.680	264	20067	0.400	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.348	112	5382	0.224	ng	0.00
5) Phenol-d6	6.937	99	3656	0.125	ng	0.00
8) Nitrobenzene-d5	8.929	82	8623	0.338	ng	0.00
11) 2-Methylnaphthalene-d10	12.172	152	13702m	0.303	ng	0.00
14) 2,4,6-Tribromophenol	15.932	330	4308	0.364	ng	0.00
15) 2-Fluorobiphenyl	13.051	172	27151	0.236	ng	0.00
27) Fluoranthene-d10	19.220	212	33915	0.369	ng	0.00
31) Terphenyl-d14	19.819	244	27365	0.523	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.247	88	148894	14.139	ng	98
9) Naphthalene	10.626	128	17492	0.201	ng	# 92
12) 2-Methylnaphthalene	12.248	142	91422	1.573	ng	100
16) Acenaphthylene	14.152	152	3724	0.029	ng	# 83
17) Acenaphthene	14.494	154	58144	0.638	ng	98
18) Fluorene	15.489	166	67952	0.569	ng	# 94
24) Pentachlorophenol	16.838	266	2835	0.242	ng	99
25) Phenanthrene	17.223	178	71457	0.618	ng	99
26) Anthracene	17.310	178	17631m	0.174	ng	
28) Fluoranthene	19.248	202	15796	0.122	ng	# 86
30) Pyrene	19.610	202	12169	0.112	ng	# 80
32) Benzo(a)anthracene	21.357	228	6339	0.074	ng	# 80
33) Chrysene	21.411	228	4095	0.044	ng	# 67
34) Bis(2-ethylhexyl)phtha...	21.295	149	16812	0.371	ng	# 90
36) Indeno(1,2,3-cd)pyrene	26.034	276	4958	0.060	ng	99
40) Dibenzo(a,h)anthracene	26.051	278	4107	0.065	ng	# 67
41) Benzo(g,h,i)perylene	26.750	276	4286	0.059	ng	# 83

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

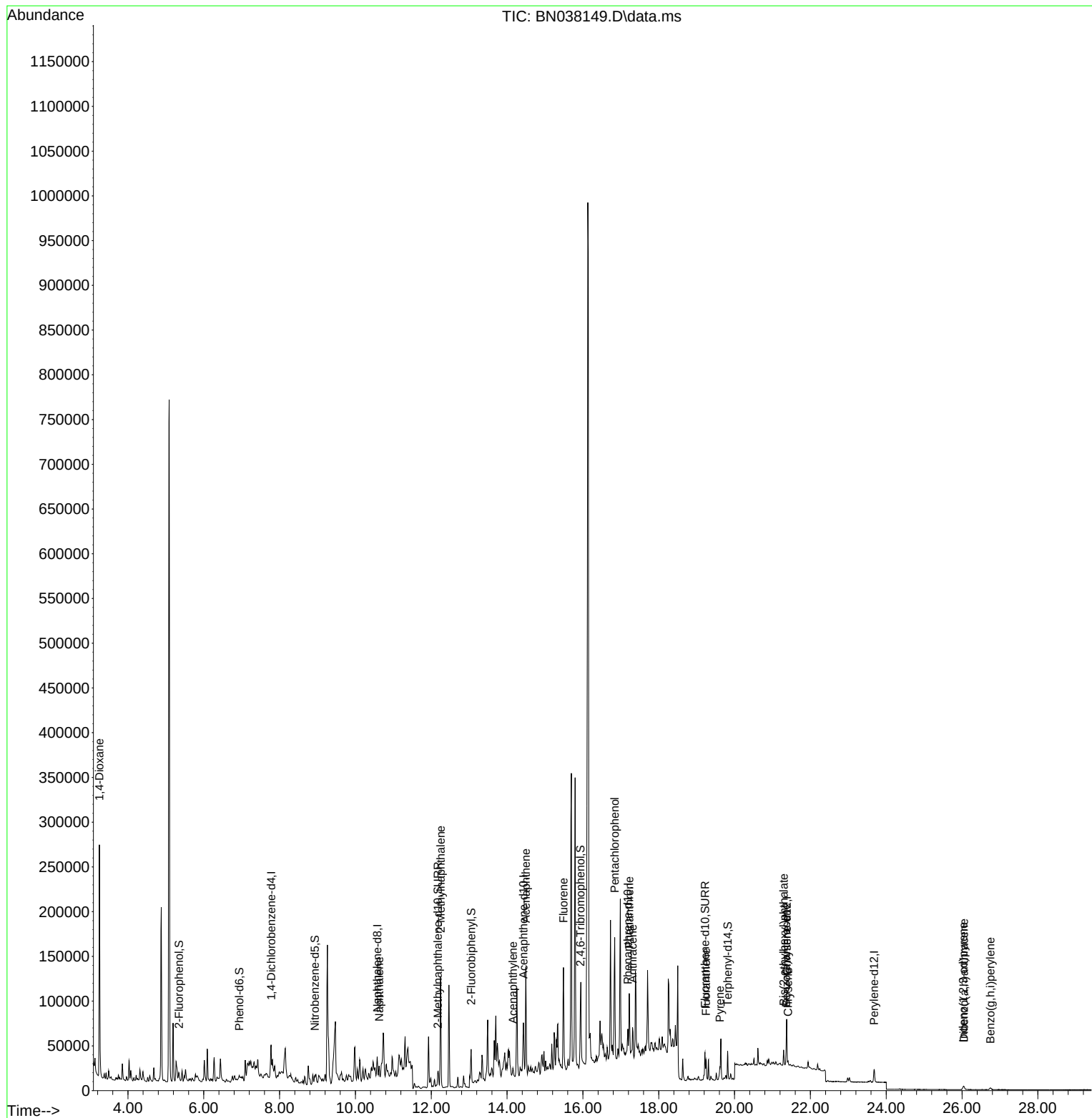
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN110725\
Data File : BN038149.D
Acq On : 07 Nov 2025 10:52
Operator : RC/JU
Sample : Q3534-01
Misc :
ALS Vial : 4 Sample Multiplier: 1

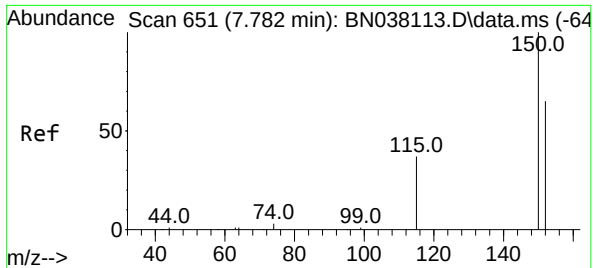
Instrument :
BNA_N
ClientSampleId :
MW-6

Manual Integrations
APPROVED

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

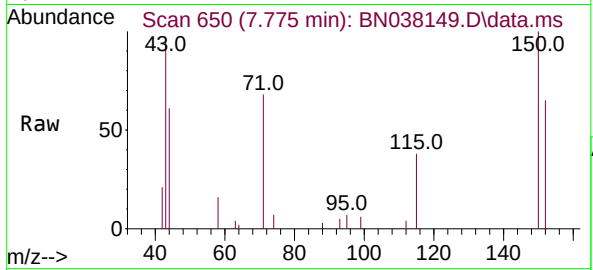
Quant Time: Nov 07 11:15:31 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN102825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Oct 29 13:09:46 2025
Response via : Initial Calibration





#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.775 min Scan# 61
Delta R.T. -0.000 min
Lab File: BN038149.D
Acq: 07 Nov 2025 10:52

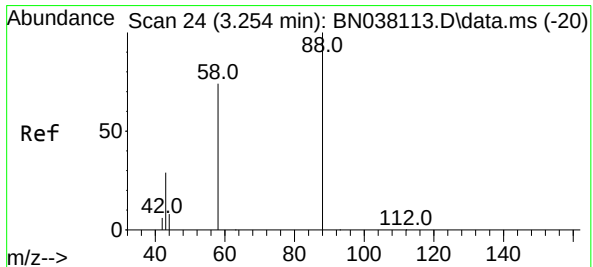
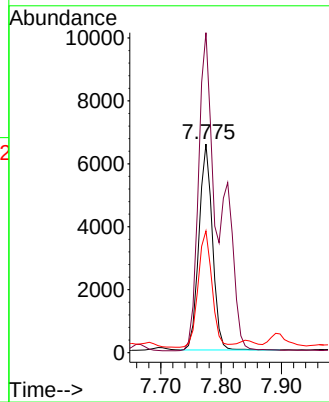
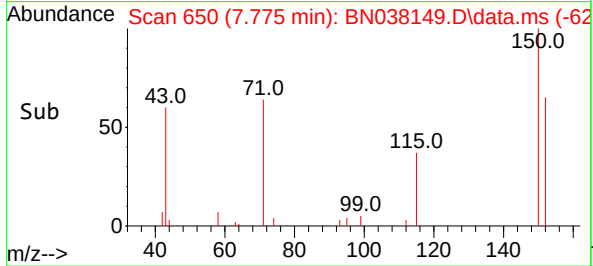
Instrument :
BNA_N
ClientSampleId :
MW-6



Tgt Ion:152 Resp: 10192
Ion Ratio Lower Upper
152 100
150 153.4 122.3 183.5
115 58.3 47.4 71.0

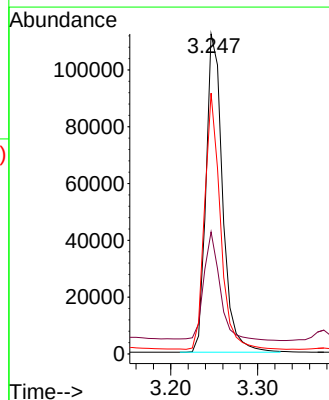
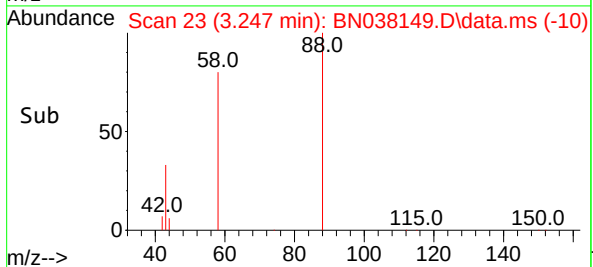
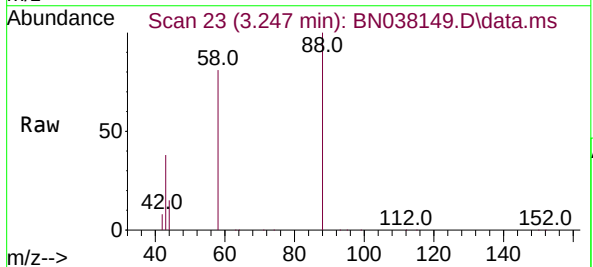
Manual Integrations
APPROVED

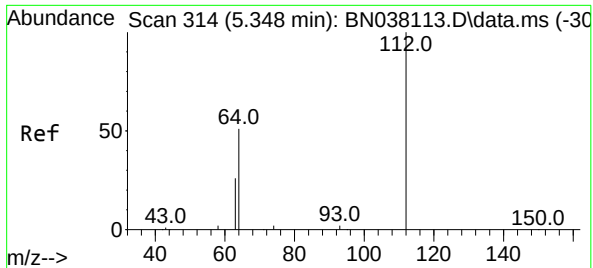
Reviewed By :Rahul Chavli 11/10/2025
Supervised By :Jagrut Upadhyay 11/10/2025



#2
1,4-Dioxane
Concen: 14.139 ng
RT: 3.247 min Scan# 23
Delta R.T. -0.007 min
Lab File: BN038149.D
Acq: 07 Nov 2025 10:52

Tgt Ion: 88 Resp: 148894
Ion Ratio Lower Upper
88 100
43 33.4 24.3 36.5
58 75.6 60.4 90.6





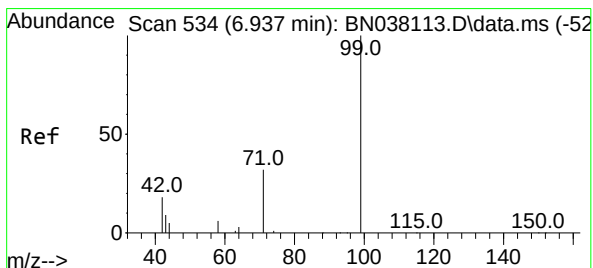
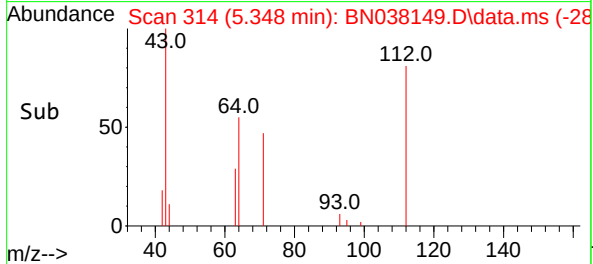
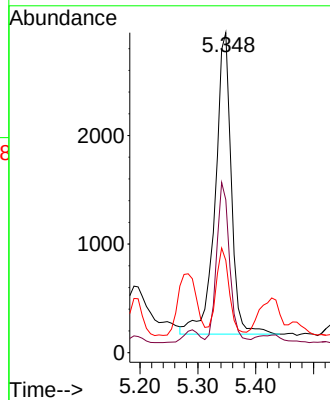
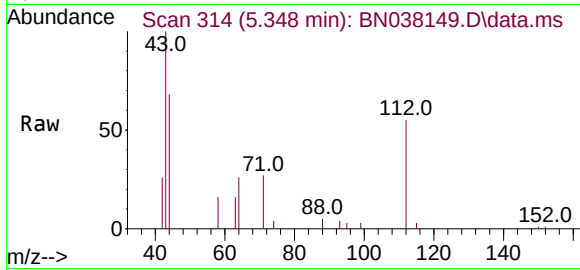
#4
2-Fluorophenol
Concen: 0.224 ng
RT: 5.348 min Scan# 314
Delta R.T. -0.000 min
Lab File: BN038149.D
Acq: 07 Nov 2025 10:52

Instrument :
BNA_N
ClientSampleId :
MW-6

Tgt Ion:112 Resp: 5382
Ion Ratio Lower Upper
112 100
64 42.9 45.4 68.0#
63 21.6 23.2 34.8#

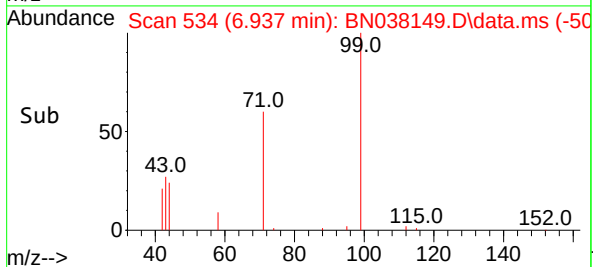
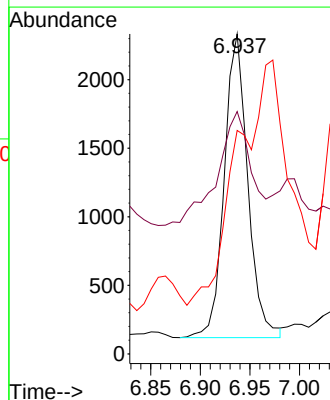
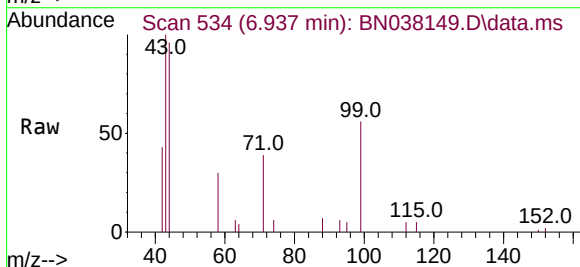
Manual Integrations
APPROVED

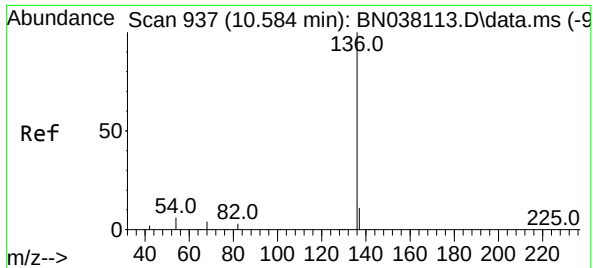
Reviewed By :Rahul Chavli 11/10/2025
Supervised By :Jagrut Upadhyay 11/10/2025



#5
Phenol-d6
Concen: 0.125 ng
RT: 6.937 min Scan# 534
Delta R.T. -0.000 min
Lab File: BN038149.D
Acq: 07 Nov 2025 10:52

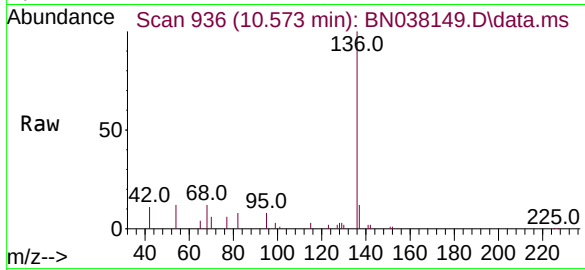
Tgt Ion: 99 Resp: 3656
Ion Ratio Lower Upper
99 100
42 54.3 16.6 24.8#
71 0.0 25.4 38.2#





#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.573 min Scan# 936
Delta R.T. -0.000 min
Lab File: BN038149.D
Acq: 07 Nov 2025 10:52

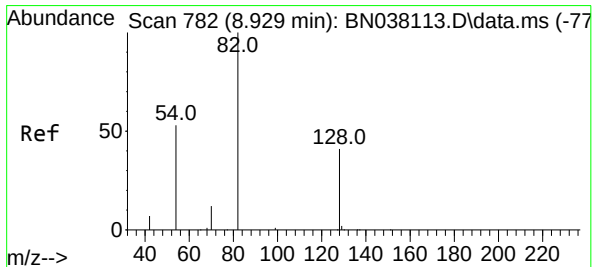
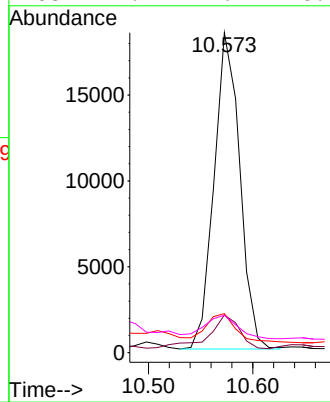
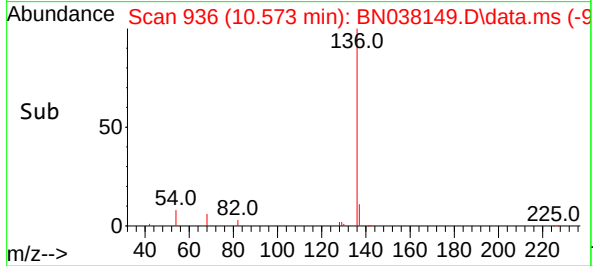
Instrument :
BNA_N
ClientSampleId :
MW-6



Tgt Ion: 136 Resp: 31652
Ion Ratio Lower Upper
136 100
137 11.8 9.0 13.4
54 12.2 5.2 7.8
68 11.7 4.1 6.1

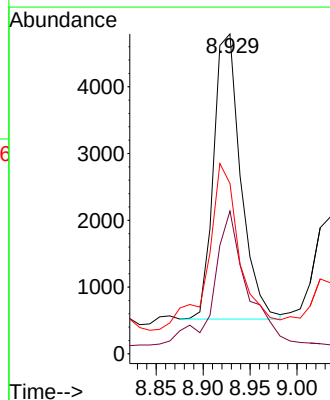
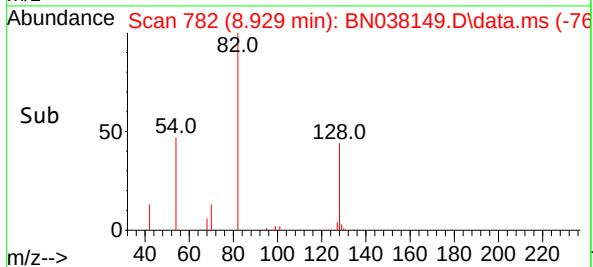
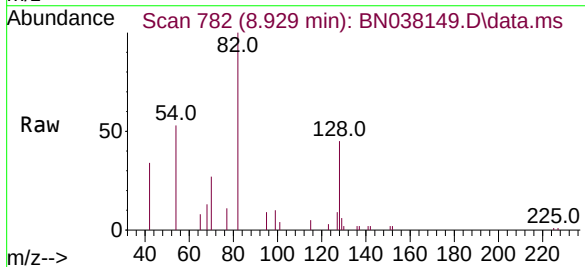
Manual Integrations
APPROVED

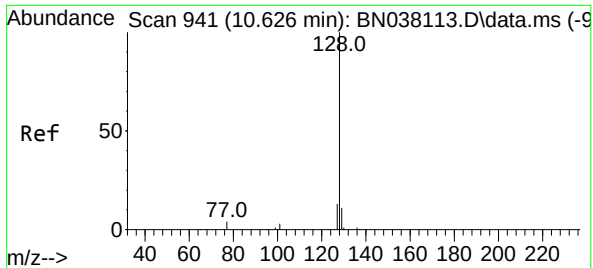
Reviewed By :Rahul Chavli 11/10/2025
Supervised By :Jagrut Upadhyay 11/10/2025



#8
Nitrobenzene-d5
Concen: 0.338 ng
RT: 8.929 min Scan# 782
Delta R.T. -0.000 min
Lab File: BN038149.D
Acq: 07 Nov 2025 10:52

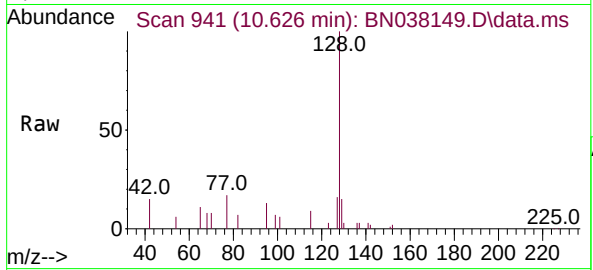
Tgt Ion: 82 Resp: 8623
Ion Ratio Lower Upper
82 100
128 44.6 34.1 51.1
54 53.3 43.5 65.3





#9
Naphthalene
Concen: 0.201 ng
RT: 10.626 min Scan# 941
Delta R.T. -0.000 min
Lab File: BN038149.D
Acq: 07 Nov 2025 10:52

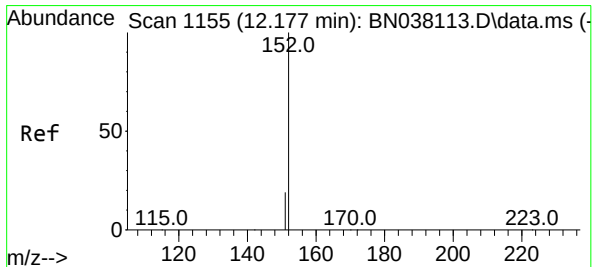
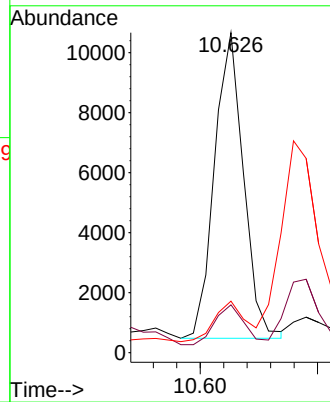
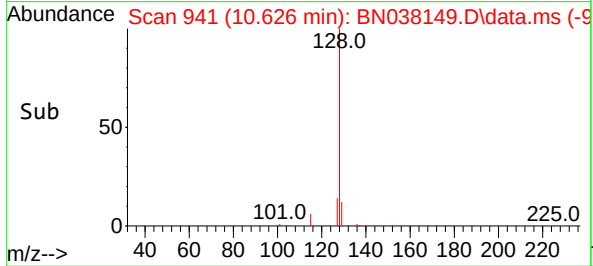
Instrument :
BNA_N
ClientSampleId :
MW-6



Tgt Ion:128 Resp: 17492
Ion Ratio Lower Upper
128 100
129 14.9 9.1 13.7
127 16.1 10.5 15.7

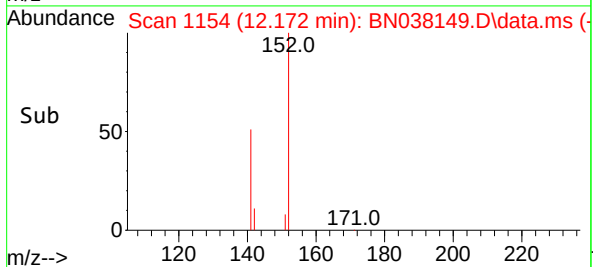
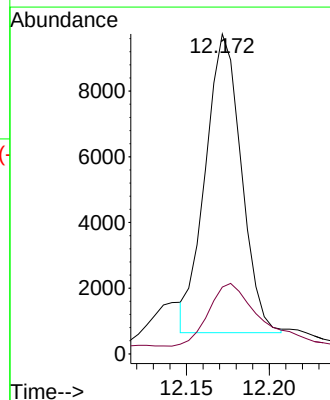
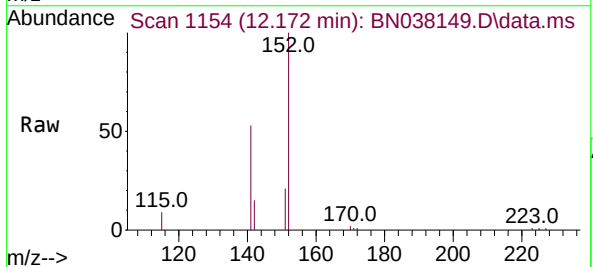
Manual Integrations
APPROVED

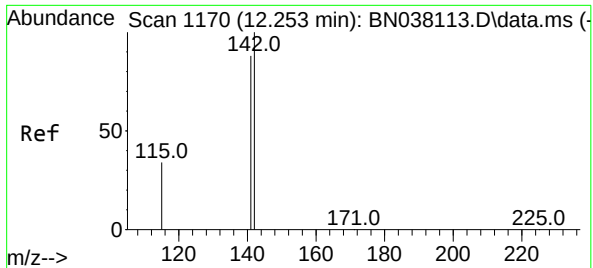
Reviewed By :Rahul Chavli 11/10/2025
Supervised By :Jagrut Upadhyay 11/10/2025



#11
2-Methylnaphthalene-d10
Concen: 0.303 ng m
RT: 12.172 min Scan# 1154
Delta R.T. -0.005 min
Lab File: BN038149.D
Acq: 07 Nov 2025 10:52

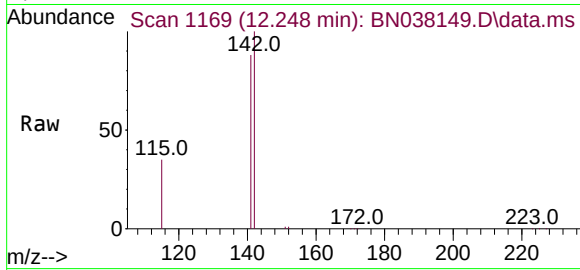
Tgt Ion:152 Resp: 13702
Ion Ratio Lower Upper
152 100
151 31.1 16.8 25.2





#12
2-Methylnaphthalene
Concen: 1.573 ng
RT: 12.248 min Scan# 1170
Delta R.T. -0.000 min
Lab File: BN038149.D
Acq: 07 Nov 2025 10:52

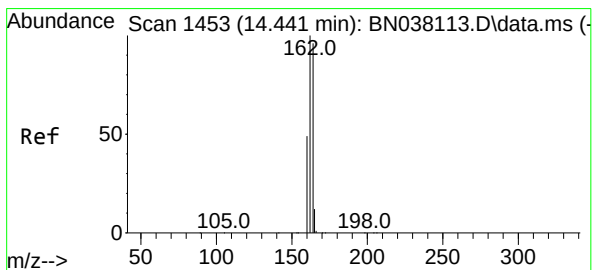
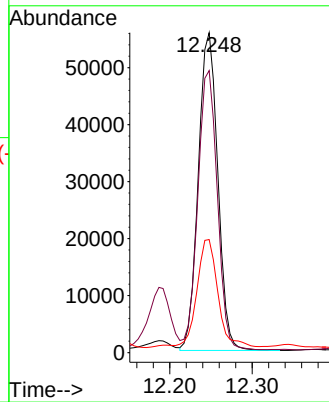
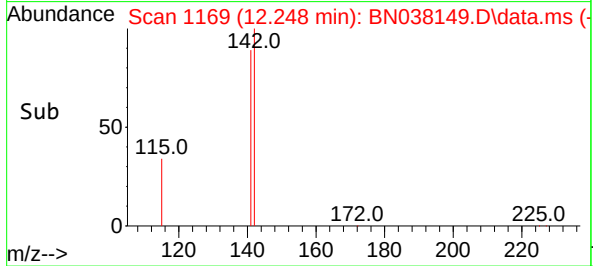
Instrument :
BNA_N
ClientSampleId :
MW-6



Tgt Ion:142 Resp: 91422
Ion Ratio Lower Upper
142 100
141 88.1 70.3 105.5
115 35.3 27.8 41.6

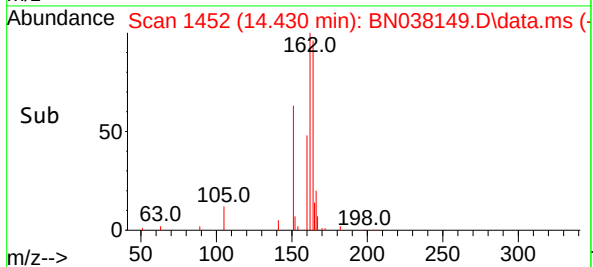
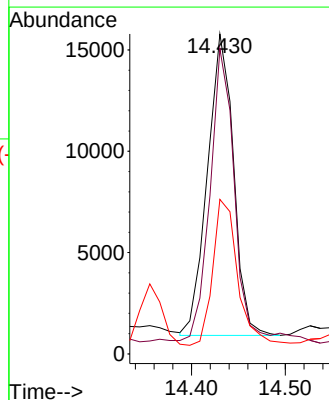
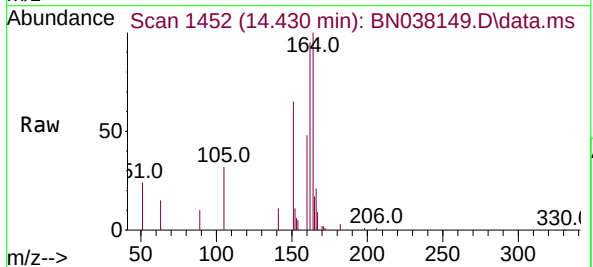
Manual Integrations
APPROVED

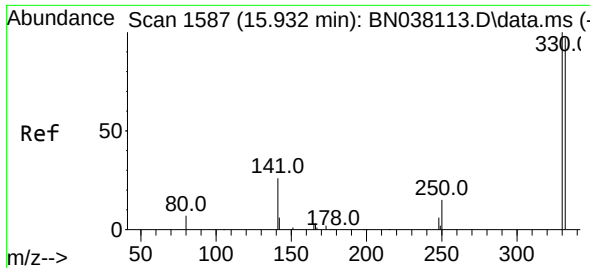
Reviewed By :Rahul Chavli 11/10/2025
Supervised By :Jagrut Upadhyay 11/10/2025



#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.430 min Scan# 1452
Delta R.T. -0.000 min
Lab File: BN038149.D
Acq: 07 Nov 2025 10:52

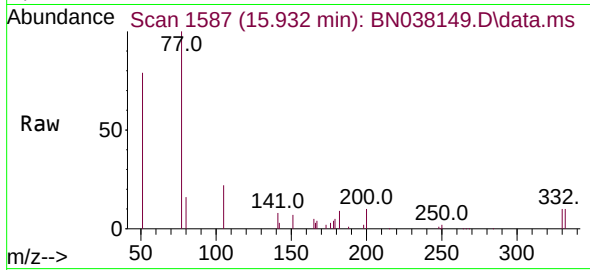
Tgt Ion:164 Resp: 28745
Ion Ratio Lower Upper
164 100
162 95.3 83.0 124.4
160 48.3 40.7 61.1





#14
2,4,6-Tribromophenol
Concen: 0.364 ng
RT: 15.932 min Scan# 11
Delta R.T. 0.000 min
Lab File: BN038149.D
Acq: 07 Nov 2025 10:52

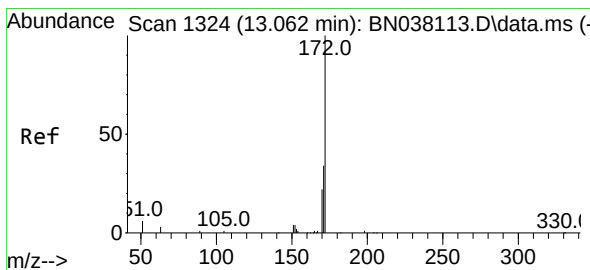
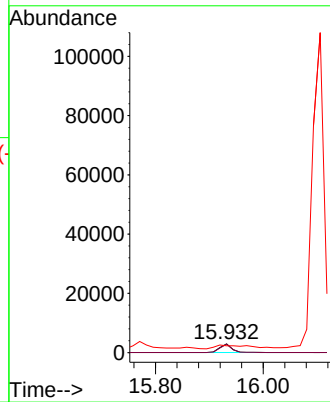
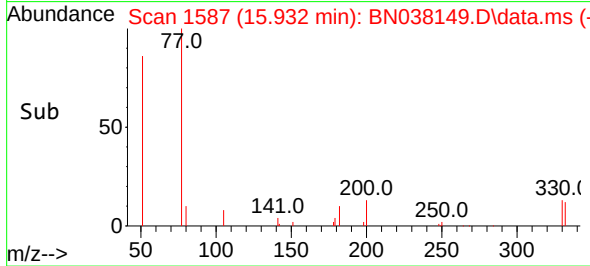
Instrument :
BNA_N
ClientSampleId :
MW-6



Tgt Ion: 330 Resp: 4308
Ion Ratio Lower Upper
330 100
332 95.5 76.6 114.8
141 134.6 34.1 51.1

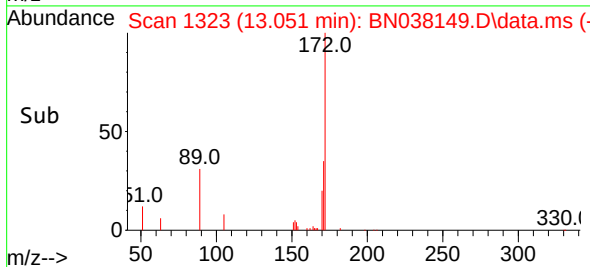
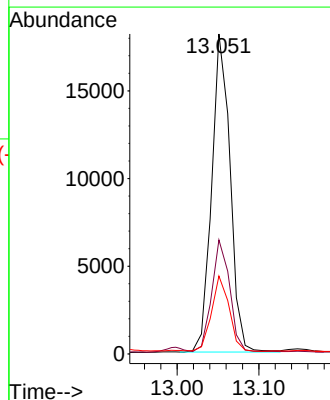
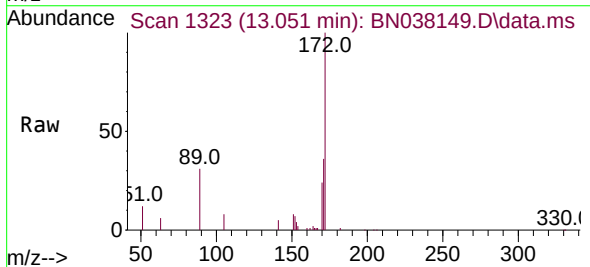
Manual Integrations
APPROVED

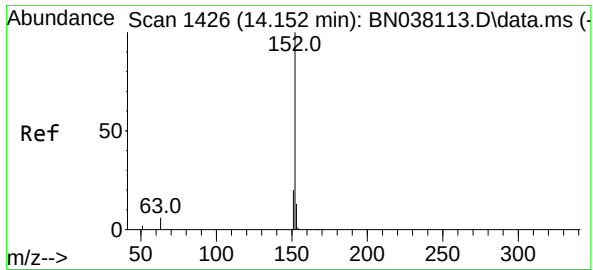
Reviewed By :Rahul Chavli 11/10/2025
Supervised By :Jagrut Upadhyay 11/10/2025



#15
2-Fluorobiphenyl
Concen: 0.236 ng
RT: 13.051 min Scan# 1323
Delta R.T. -0.000 min
Lab File: BN038149.D
Acq: 07 Nov 2025 10:52

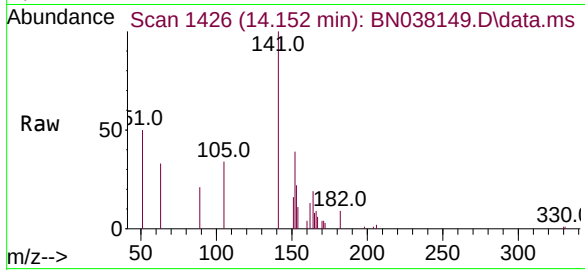
Tgt Ion: 172 Resp: 27151
Ion Ratio Lower Upper
172 100
171 35.6 27.8 41.6
170 24.3 18.1 27.1





#16
Acenaphthylene
Concen: 0.029 ng
RT: 14.152 min Scan# 1426
Delta R.T. -0.000 min
Lab File: BN038149.D
Acq: 07 Nov 2025 10:52

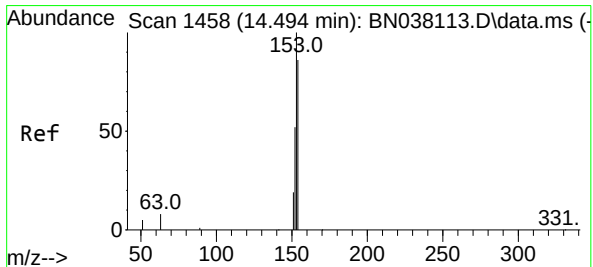
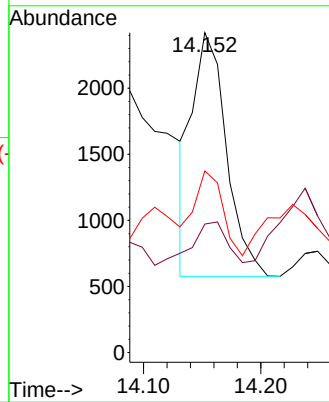
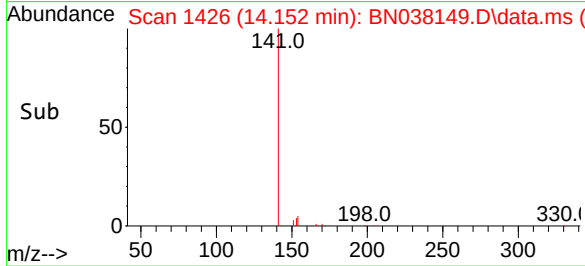
Instrument :
BNA_N
ClientSampleId :
MW-6



Tgt Ion:152 Resp: 3724
Ion Ratio Lower Upper
152 100
151 18.4 15.8 23.8
153 28.5 10.2 15.2

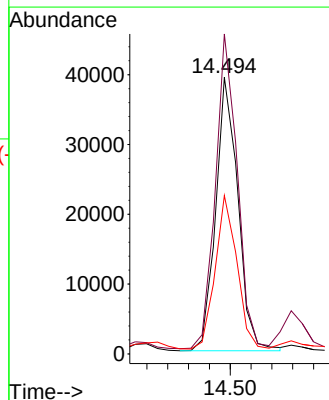
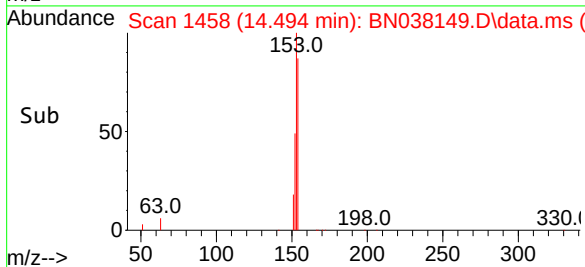
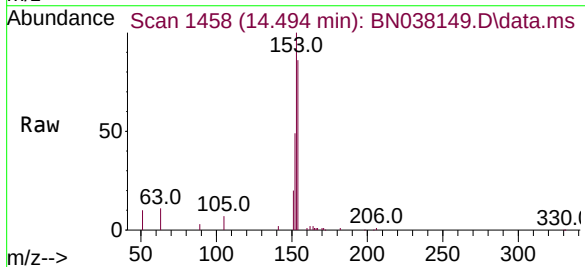
Manual Integrations
APPROVED

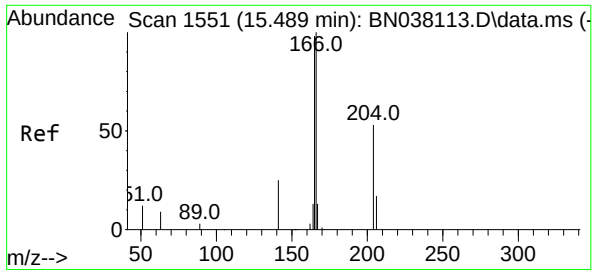
Reviewed By :Rahul Chavli 11/10/2025
Supervised By :Jagrut Upadhyay 11/10/2025



#17
Acenaphthene
Concen: 0.638 ng
RT: 14.494 min Scan# 1458
Delta R.T. -0.000 min
Lab File: BN038149.D
Acq: 07 Nov 2025 10:52

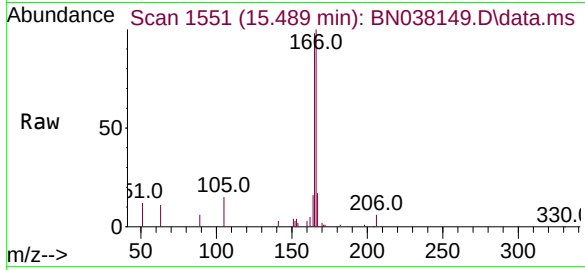
Tgt Ion:154 Resp: 58144
Ion Ratio Lower Upper
154 100
153 112.8 90.0 135.0
152 55.0 47.3 70.9





#18
Fluorene
Concen: 0.569 ng
RT: 15.489 min Scan# 1551
Delta R.T. -0.000 min
Lab File: BN038149.D
Acq: 07 Nov 2025 10:52

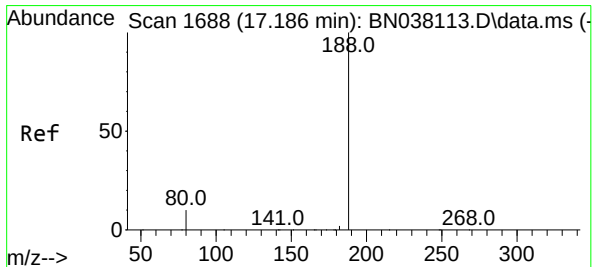
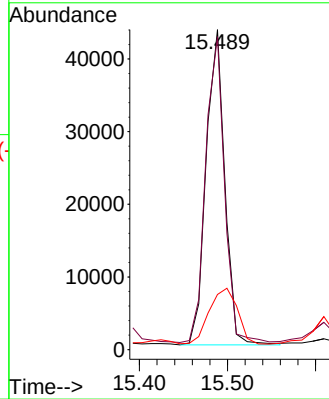
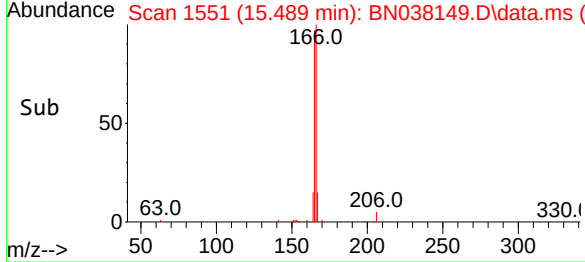
Instrument :
BNA_N
ClientSampleId :
MW-6



Tgt Ion:166 Resp: 67952
Ion Ratio Lower Upper
166 100
165 96.4 79.0 118.4
167 25.8 10.7 16.1

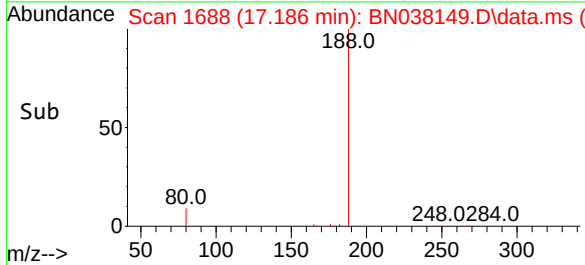
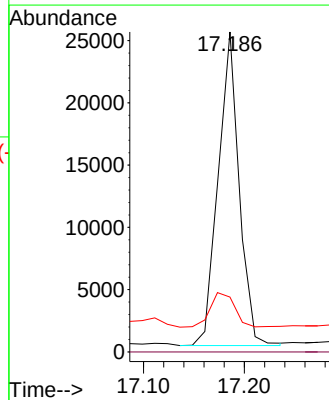
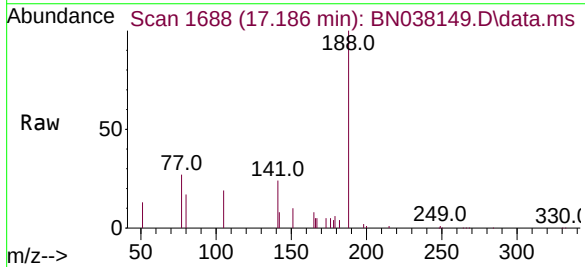
Manual Integrations
APPROVED

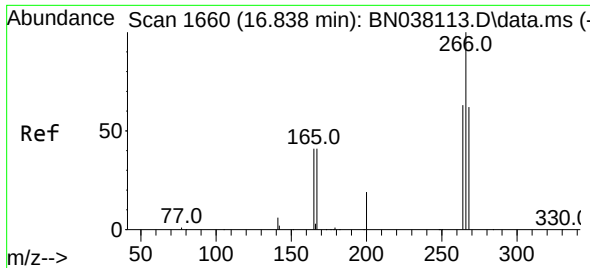
Reviewed By :Rahul Chavli 11/10/2025
Supervised By :Jagrut Upadhyay 11/10/2025



#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.186 min Scan# 1688
Delta R.T. -0.000 min
Lab File: BN038149.D
Acq: 07 Nov 2025 10:52

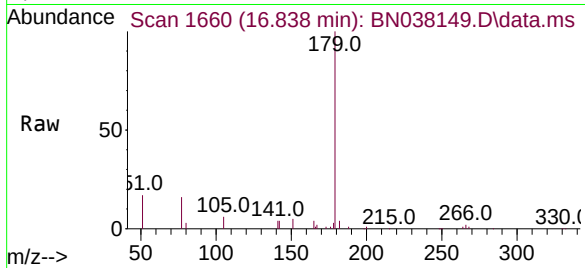
Tgt Ion:188 Resp: 36418
Ion Ratio Lower Upper
188 100
94 0.0 0.0 0.0
80 17.1 8.6 13.0





#24
Pentachlorophenol
Concen: 0.242 ng
RT: 16.838 min Scan# 1660
Delta R.T. -0.000 min
Lab File: BN038149.D
Acq: 07 Nov 2025 10:52

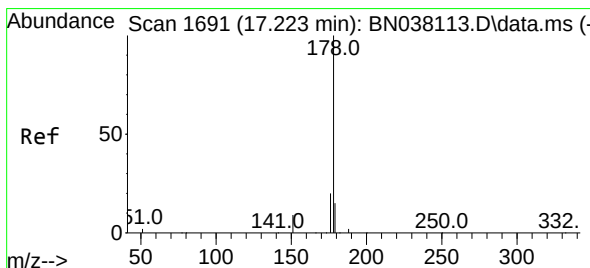
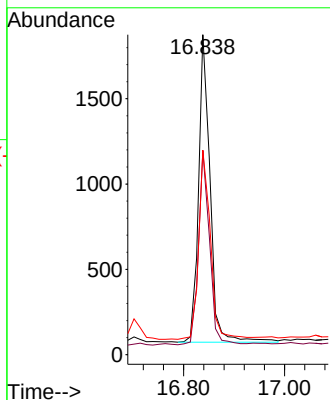
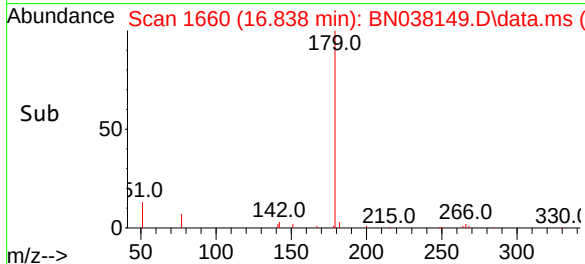
Instrument :
BNA_N
ClientSampleId :
MW-6



Tgt Ion:266 Resp: 2835
Ion Ratio Lower Upper
266 100
264 60.7 49.3 73.9
268 62.8 50.6 75.8

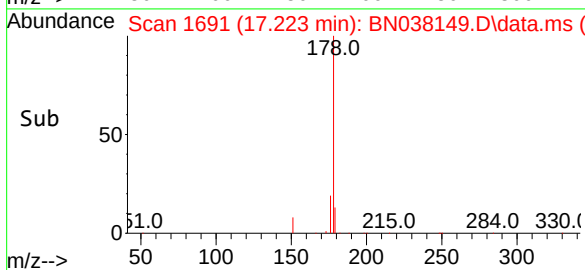
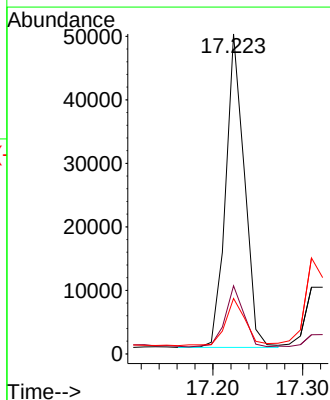
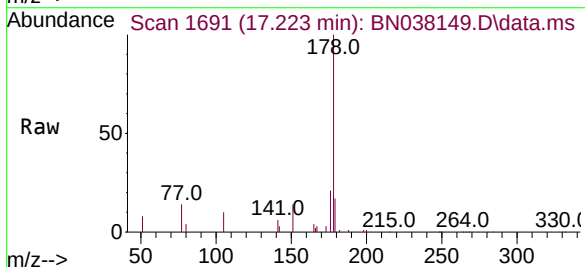
Manual Integrations
APPROVED

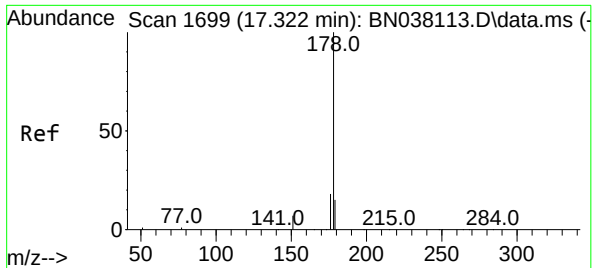
Reviewed By :Rahul Chavli 11/10/2025
Supervised By :Jagrut Upadhyay 11/10/2025



#25
Phenanthrene
Concen: 0.618 ng
RT: 17.223 min Scan# 1691
Delta R.T. -0.000 min
Lab File: BN038149.D
Acq: 07 Nov 2025 10:52

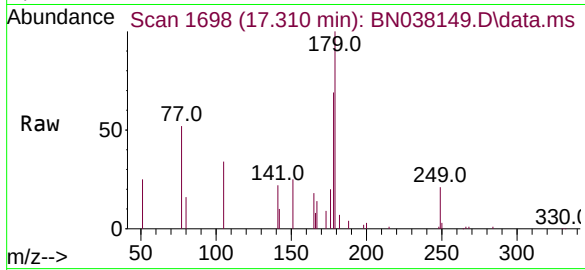
Tgt Ion:178 Resp: 71457
Ion Ratio Lower Upper
178 100
176 19.7 15.5 23.3
179 16.1 12.2 18.4





#26
Anthracene
Concen: 0.174 ng m
RT: 17.310 min Scan# 1698
Delta R.T. -0.013 min
Lab File: BN038149.D
Acq: 07 Nov 2025 10:52

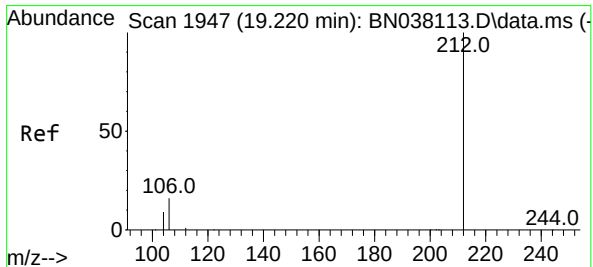
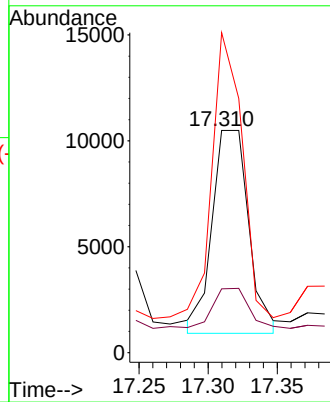
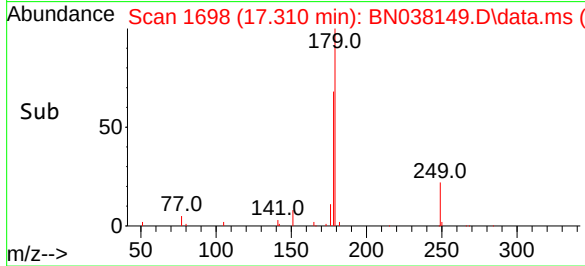
Instrument :
BNA_N
ClientSampleId :
MW-6



Tgt Ion:178 Resp: 17631
Ion Ratio Lower Upper
178 100
176 79.9 14.9 22.3
179 65.3 11.8 17.8

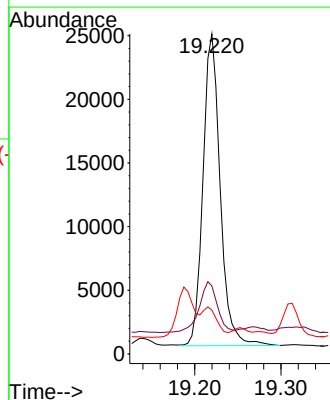
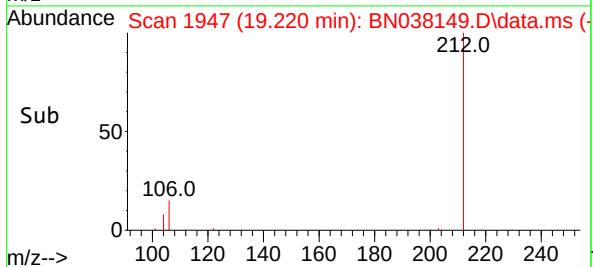
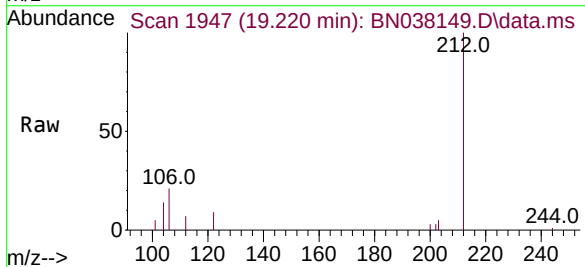
Manual Integrations
APPROVED

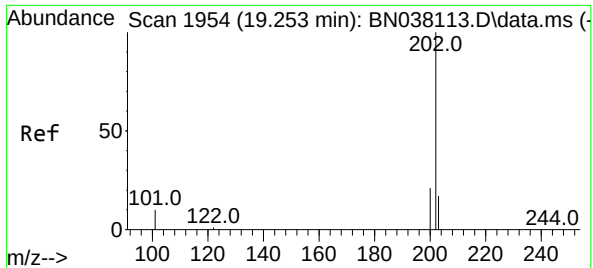
Reviewed By :Rahul Chavli 11/10/2025
Supervised By :Jagrut Upadhyay 11/10/2025



#27
Fluoranthene-d10
Concen: 0.369 ng
RT: 19.220 min Scan# 1947
Delta R.T. -0.000 min
Lab File: BN038149.D
Acq: 07 Nov 2025 10:52

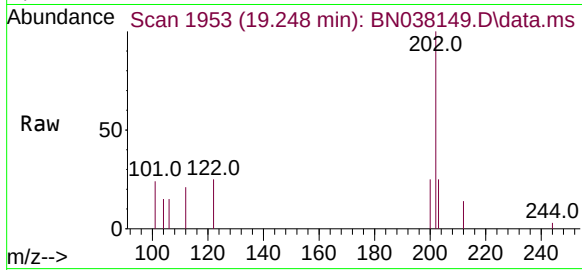
Tgt Ion:212 Resp: 33915
Ion Ratio Lower Upper
212 100
106 17.3 12.6 19.0
104 6.7 7.1 10.7





#28
Fluoranthene
Concen: 0.122 ng
RT: 19.248 min Scan# 1953
Delta R.T. -0.005 min
Lab File: BN038149.D
Acq: 07 Nov 2025 10:52

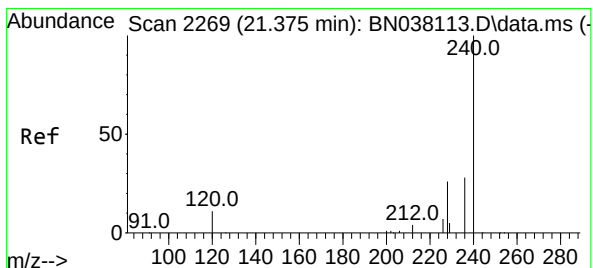
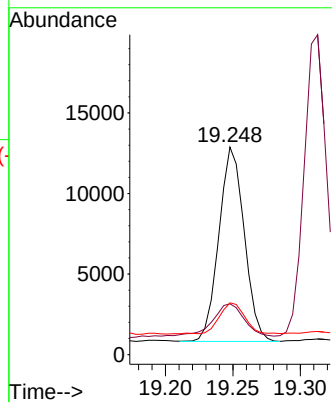
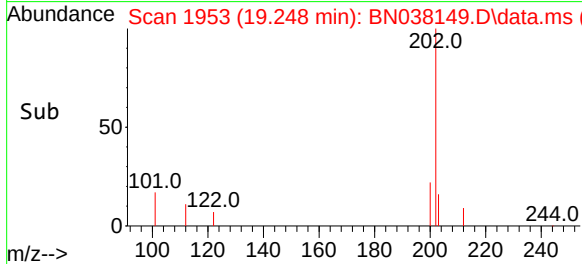
Instrument :
BNA_N
ClientSampleId :
MW-6



Tgt Ion:202 Resp: 15796
Ion Ratio Lower Upper
202 100
101 23.6 9.4 14.2
203 15.4 13.4 20.2

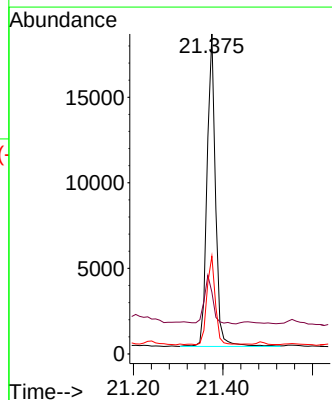
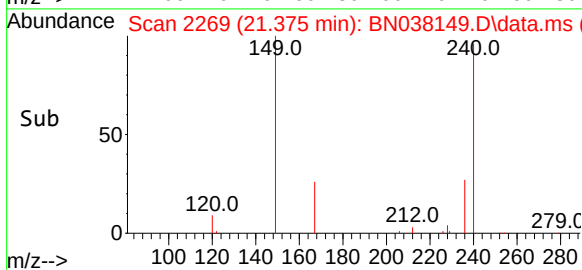
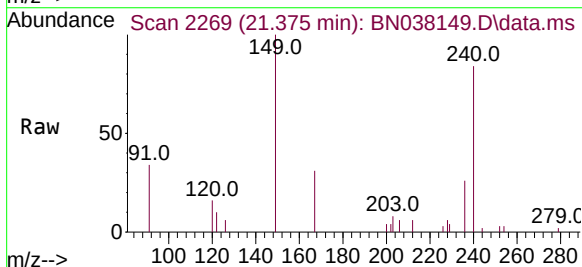
Manual Integrations
APPROVED

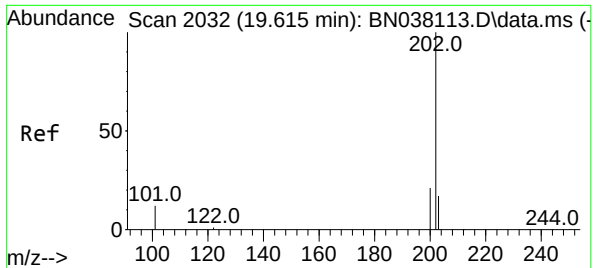
Reviewed By :Rahul Chavli 11/10/2025
Supervised By :Jagrut Upadhyay 11/10/2025



#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.375 min Scan# 2269
Delta R.T. -0.000 min
Lab File: BN038149.D
Acq: 07 Nov 2025 10:52

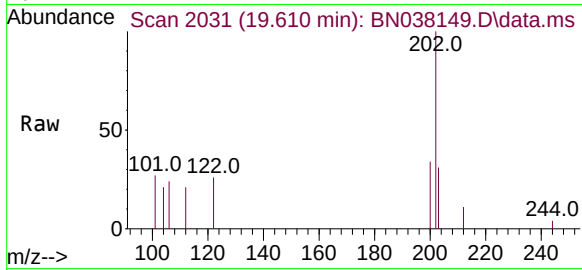
Tgt Ion:240 Resp: 24102
Ion Ratio Lower Upper
240 100
120 19.3 10.7 16.1
236 30.5 23.1 34.7





#30
Pyrene
Concen: 0.112 ng
RT: 19.610 min Scan# 2032
Delta R.T. -0.000 min
Lab File: BN038149.D
Acq: 07 Nov 2025 10:52

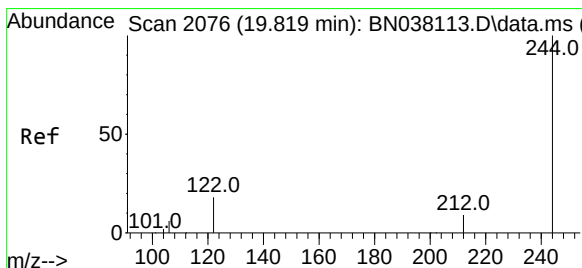
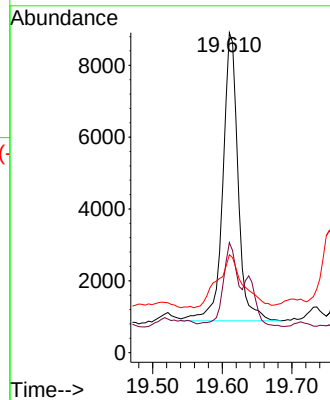
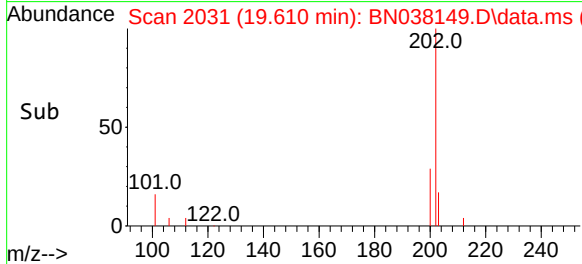
Instrument :
BNA_N
ClientSampleId :
MW-6



Tgt Ion:202 Resp: 12169
Ion Ratio Lower Upper
202 100
200 26.0 16.7 25.1
203 30.8 14.2 21.2

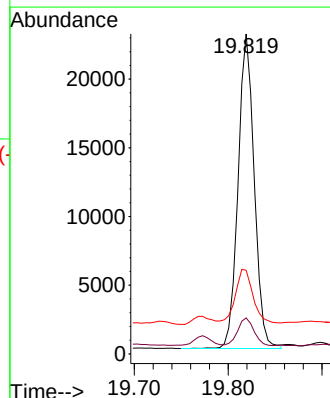
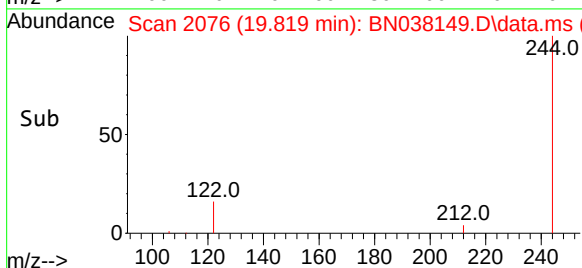
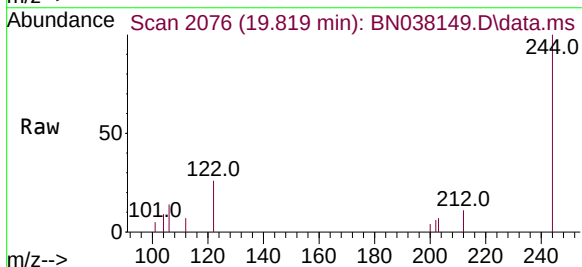
Manual Integrations
APPROVED

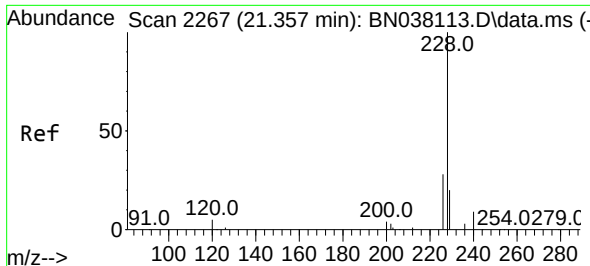
Reviewed By :Rahul Chavli 11/10/2025
Supervised By :Jagrut Upadhyay 11/10/2025



#31
Terphenyl-d14
Concen: 0.523 ng
RT: 19.819 min Scan# 2076
Delta R.T. -0.000 min
Lab File: BN038149.D
Acq: 07 Nov 2025 10:52

Tgt Ion:244 Resp: 27365
Ion Ratio Lower Upper
244 100
212 11.2 7.8 11.6
122 26.1 15.2 22.8





#32

Benzo(a)anthracene

Concen: 0.074 ng

RT: 21.357 min Scan# 2267

Delta R.T. -0.000 min

Lab File: BN038149.D

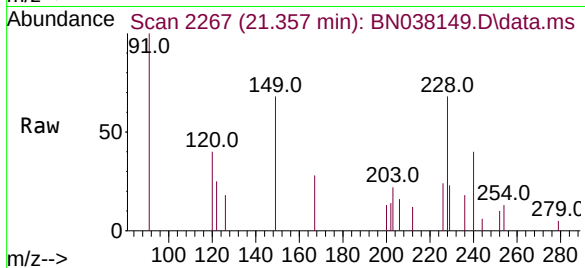
Acq: 07 Nov 2025 10:52

Instrument :

BNA_N

ClientSampleId :

MW-6



Tgt Ion:228 Resp: 6339

Ion Ratio Lower Upper

228 100

226 34.7 22.2 33.4#

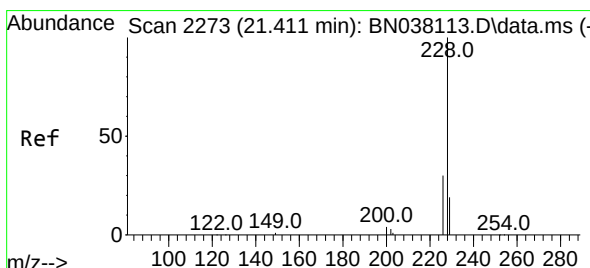
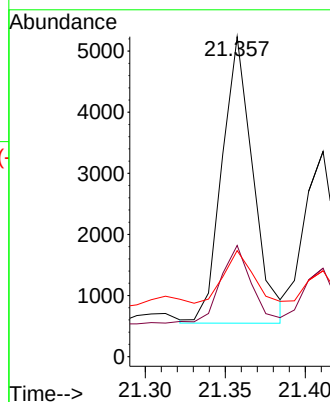
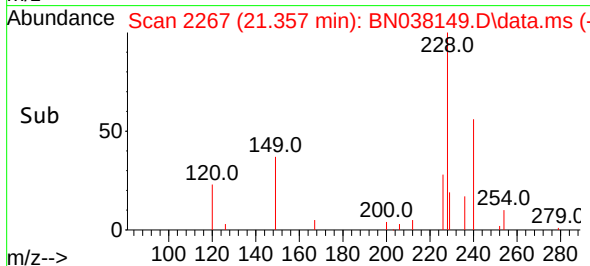
229 33.1 15.8 23.8#

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 11/10/2025

Supervised By :Jagrut Upadhyay 11/10/2025



#33

Chrysene

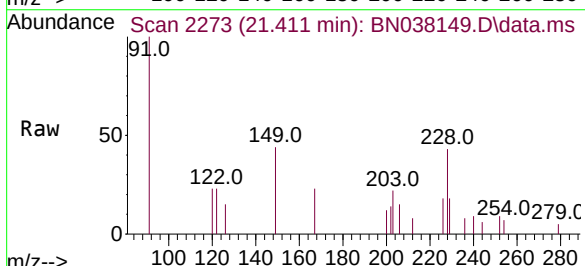
Concen: 0.044 ng

RT: 21.411 min Scan# 2273

Delta R.T. -0.000 min

Lab File: BN038149.D

Acq: 07 Nov 2025 10:52



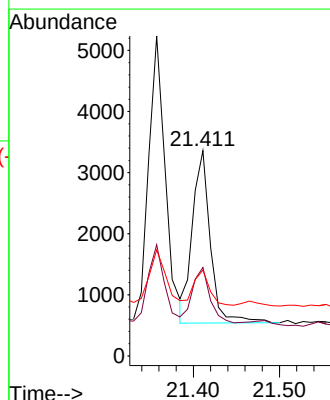
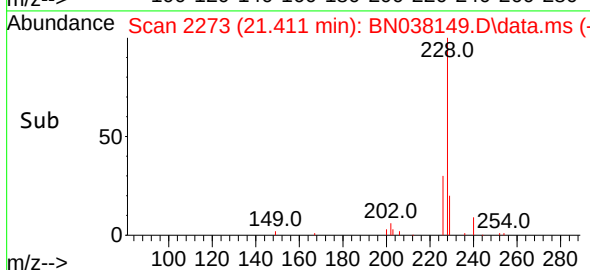
Tgt Ion:228 Resp: 4095

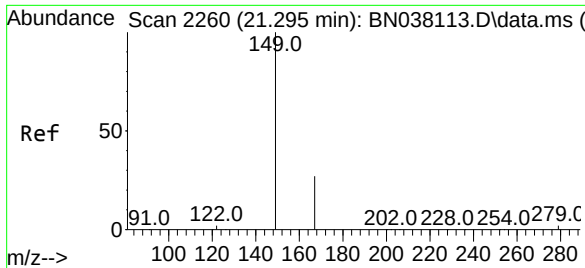
Ion Ratio Lower Upper

228 100

226 43.0 24.3 36.5#

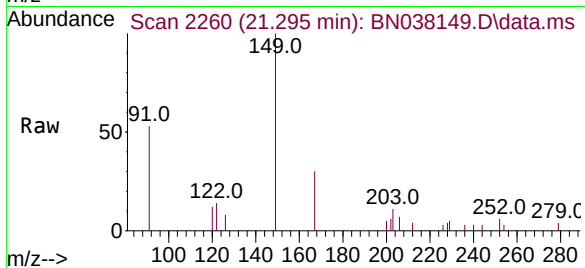
229 41.8 15.7 23.5#





#34
Bis(2-ethylhexyl)phthalate
Concen: 0.371 ng
RT: 21.295 min Scan# 21
Delta R.T. -0.000 min
Lab File: BN038149.D
Acq: 07 Nov 2025 10:52

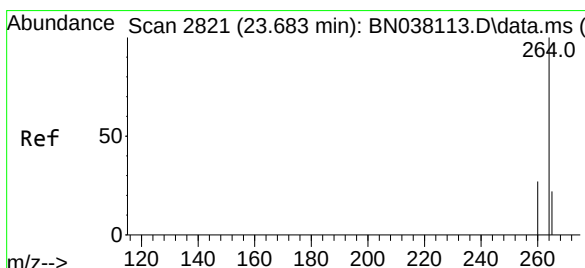
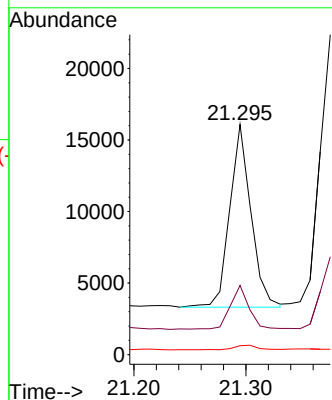
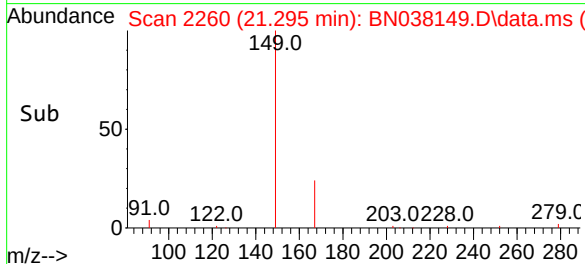
Instrument :
BNA_N
ClientSampleId :
MW-6



Tgt Ion:149 Resp: 16812
Ion Ratio Lower Upper
149 100
167 20.9 21.1 31.7
279 2.8 2.9 4.3

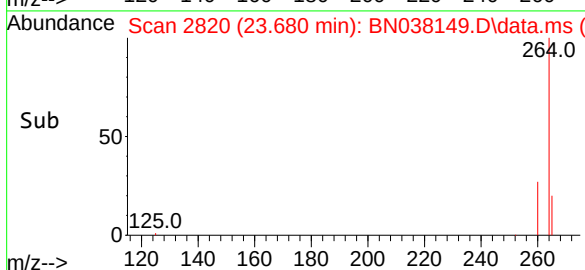
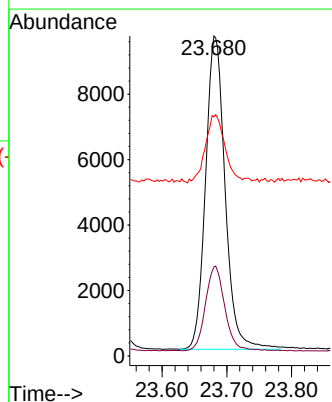
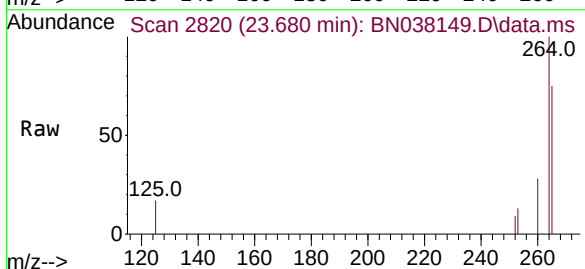
Manual Integrations
APPROVED

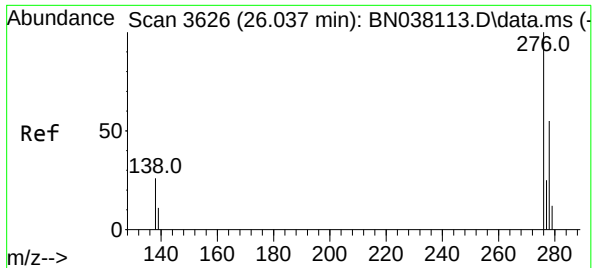
Reviewed By :Rahul Chavli 11/10/2025
Supervised By :Jagrut Upadhyay 11/10/2025



#35
Perylene-d12
Concen: 0.400 ng
RT: 23.680 min Scan# 2820
Delta R.T. -0.000 min
Lab File: BN038149.D
Acq: 07 Nov 2025 10:52

Tgt Ion:264 Resp: 20067
Ion Ratio Lower Upper
264 100
260 27.8 21.8 32.8
265 74.7 68.6 102.8





#36

Indeno(1,2,3-cd)pyrene

Concen: 0.060 ng

RT: 26.034 min Scan# 3626

Delta R.T. -0.000 min

Lab File: BN038149.D

Acq: 07 Nov 2025 10:52

Instrument :

BNA_N

ClientSampleId :

MW-6

Tgt Ion:276 Resp: 4958

Ion Ratio Lower Upper

276 100

138 27.2 21.4 32.0

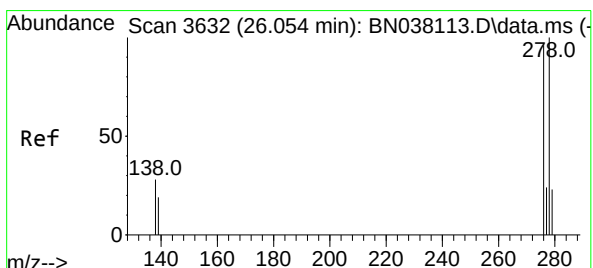
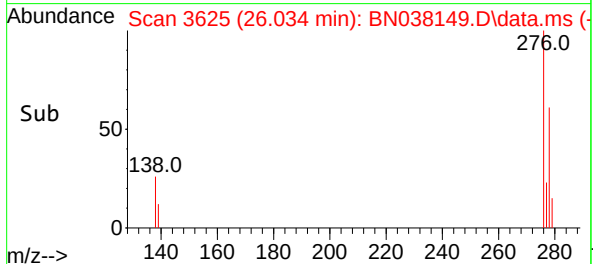
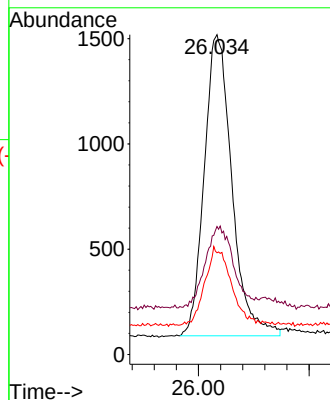
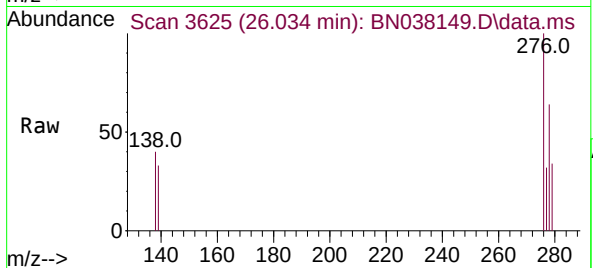
277 24.0 19.2 28.8

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 11/10/2025

Supervised By :Jagrut Upadhyay 11/10/2025



#40

Dibenzo(a,h)anthracene

Concen: 0.065 ng

RT: 26.051 min Scan# 3631

Delta R.T. 0.003 min

Lab File: BN038149.D

Acq: 07 Nov 2025 10:52

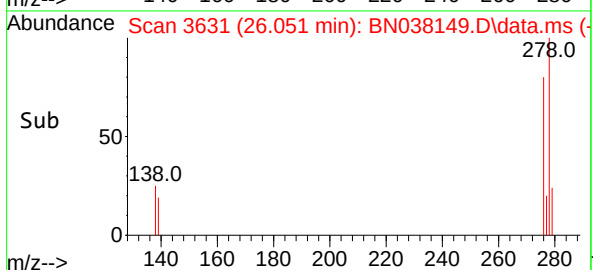
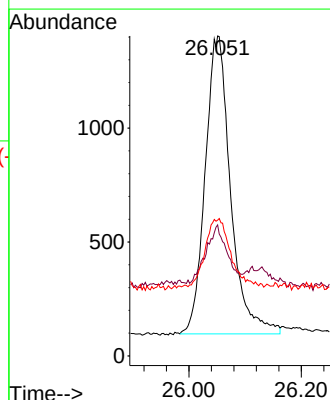
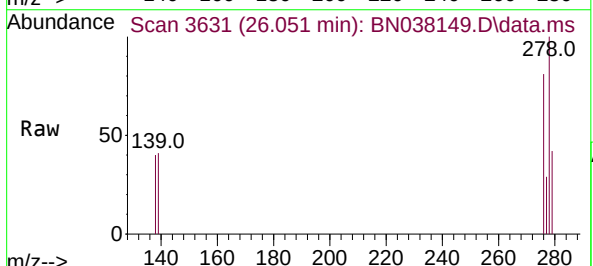
Tgt Ion:278 Resp: 4107

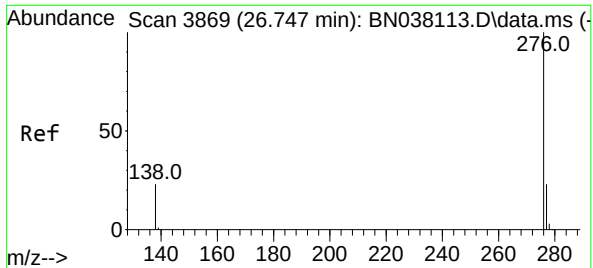
Ion Ratio Lower Upper

278 100

139 40.9 17.6 26.4#

279 42.4 22.6 33.8#





#41

Benzo(g,h,i)perylene

Concen: 0.059 ng

RT: 26.750 min Scan# 3869

Delta R.T. -0.000 min

Lab File: BN038149.D

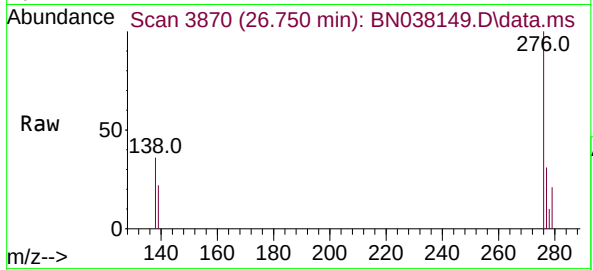
Acq: 07 Nov 2025 10:52

Instrument :

BNA_N

ClientSampleId :

MW-6



Tgt Ion:276 Resp: 4286

Ion Ratio Lower Upper

276 100

277 30.6 19.7 29.5

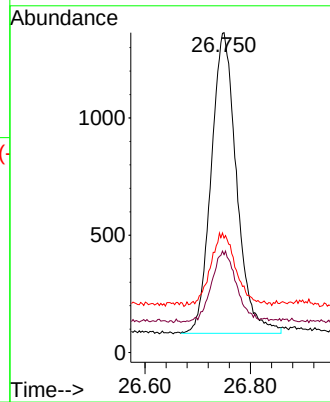
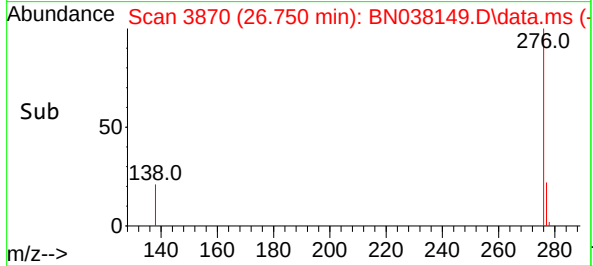
138 35.8 20.2 30.4

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 11/10/2025

Supervised By :Jagrut Upadhyay 11/10/2025





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

Report of Analysis

Client:	Remington & Vernick Engineers		Date Collected:	11/03/25
Project:	Edison Landfill		Date Received:	11/04/25
Client Sample ID:	MW-6DL		SDG No.:	Q3534
Lab Sample ID:	Q3534-01DL		Matrix:	Water
Analytical Method:	SW8270ESIM	Level: LOW	% Solid:	0
Sample Wt/Vol:	950 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	22.4	D	10	0.69	2.10	ug/L	11/08/25 00:44	PB170427
SURROGATES									
7297-45-2	2-Methylnaphthalene-d10	0.50			30 (20) - 150 (139)	125%	SPK: 0.4		
93951-69-0	Fluoranthene-d10	0.49			30 (54) - 150 (157)	123%	SPK: 0.4		
4165-60-0	Nitrobenzene-d5	0.53	*		30 (27) - 130 (154)	132%	SPK: 0.4		
321-60-8	2-Fluorobiphenyl	0.66	*		30 (30) - 130 (155)	165%	SPK: 0.4		
1718-51-0	Terphenyl-d14	0.84	*		30 (54) - 130 (175)	210%	SPK: 0.4		
INTERNAL STANDARDS									
		Area Count							
3855-82-1	1,4-Dichlorobenzene-d4	9040							
1146-65-2	Naphthalene-d8	29100							
15067-26-2	Acenaphthene-d10	18400							
1517-22-2	Phenanthrene-d10	32800							
1719-03-5	Chrysene-d12	18800							
1520-96-3	Perylene-d12	16400							

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

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN110725\
 Data File : BN038169.D
 Acq On : 08 Nov 2025 00:44
 Operator : RC/JU
 Sample : Q3534-01DL 10X
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 MW-6DL

Manual Integrations
 APPROVED

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

Quant Time: Nov 08 03:28:50 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	9036	0.400	ng	0.00
7) Naphthalene-d8	10.573	136	29109	0.400	ng	# 0.00
13) Acenaphthene-d10	14.430	164	18416	0.400	ng	0.00
19) Phenanthrene-d10	17.186	188	32776	0.400	ng	0.00
29) Chrysene-d12	21.376	240	18818	0.400	ng	0.00
35) Perylene-d12	23.683	264	16362	0.400	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.348	112	744	0.035	ng	0.00
5) Phenol-d6	6.937	99	520	0.020	ng	0.00
8) Nitrobenzene-d5	8.929	82	1245m	0.053	ng	0.00
11) 2-Methylnaphthalene-d10	12.172	152	2087	0.050	ng	0.00
14) 2,4,6-Tribromophenol	15.932	330	484	0.064	ng	0.00
15) 2-Fluorobiphenyl	13.051	172	4896	0.066	ng	0.00
27) Fluoranthene-d10	19.220	212	4042	0.049	ng	0.00
31) Terphenyl-d14	19.819	244	3414	0.084	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.254	88	19868	2.128	ng	99
9) Naphthalene	10.626	128	2267	0.028	ng	# 82
12) 2-Methylnaphthalene	12.248	142	11720	0.219	ng	97
17) Acenaphthene	14.495	154	7467	0.128	ng	98
18) Fluorene	15.489	166	8417	0.110	ng	# 97
25) Phenanthrene	17.223	178	9145	0.088	ng	99
34) Bis(2-ethylhexyl)phtha...	21.295	149	4200	0.119	ng	99

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

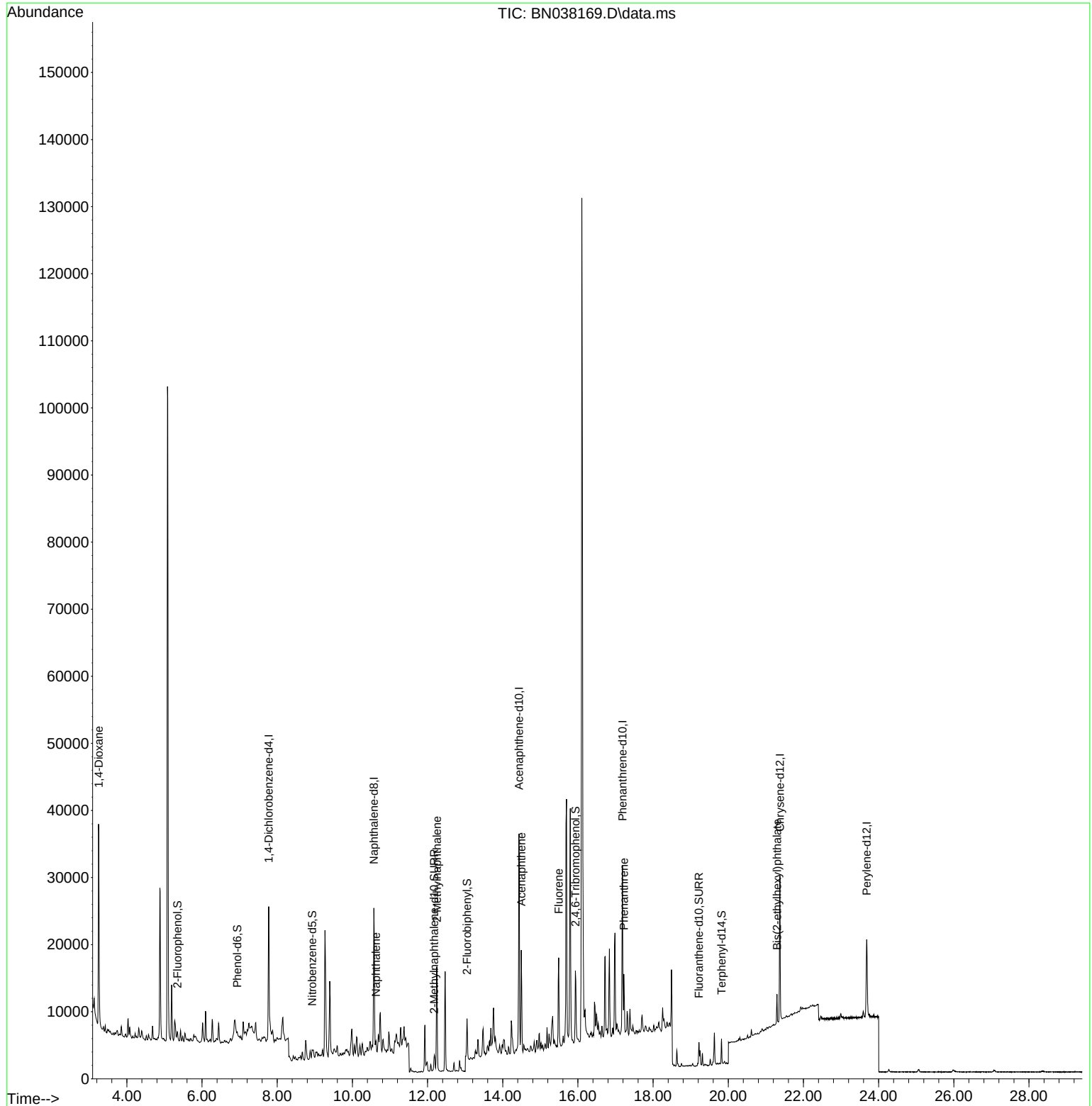
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN110725\
Data File : BN038169.D
Acq On : 08 Nov 2025 00:44
Operator : RC/JU
Sample : Q3534-01DL 10X
Misc :
ALS Vial : 22 Sample Multiplier: 1

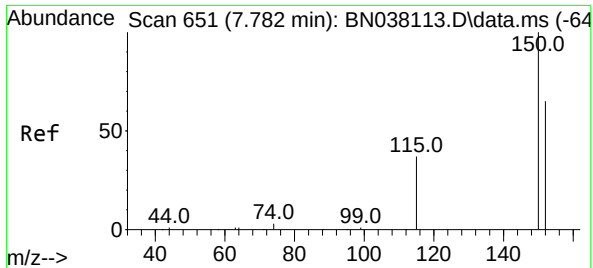
Instrument :
BNA_N
ClientSampleId :
MW-6DL

Manual Integrations
APPROVED

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

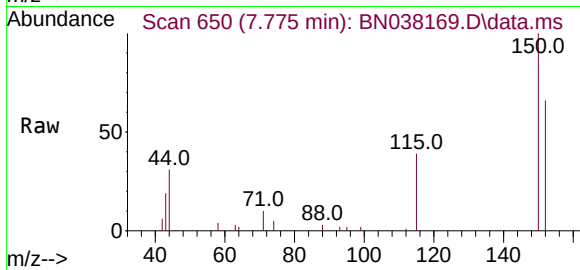
Quant Time: Nov 08 03:28:50 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN102825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Oct 29 13:09:46 2025
Response via : Initial Calibration





#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.775 min Scan# 651
Delta R.T. 0.000 min
Lab File: BN038169.D
Acq: 08 Nov 2025 00:44

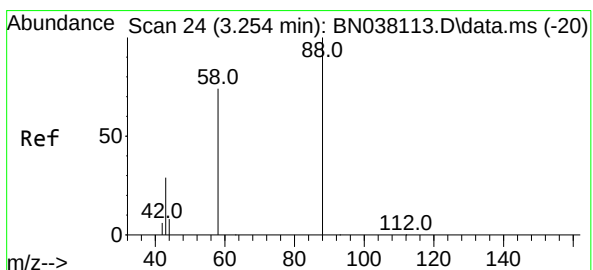
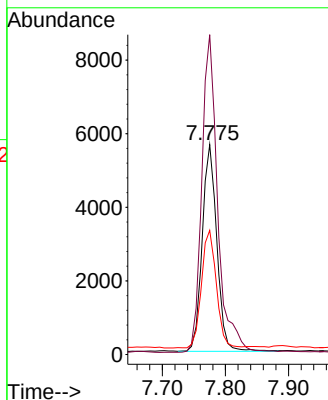
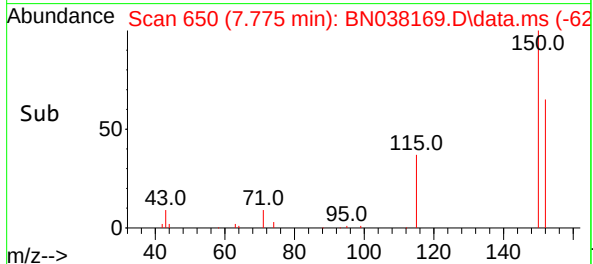
Instrument :
BNA_N
ClientSampleId :
MW-6DL



Tgt Ion:152 Resp: 9036
Ion Ratio Lower Upper
152 100
150 152.3 122.3 183.5
115 59.2 47.4 71.0

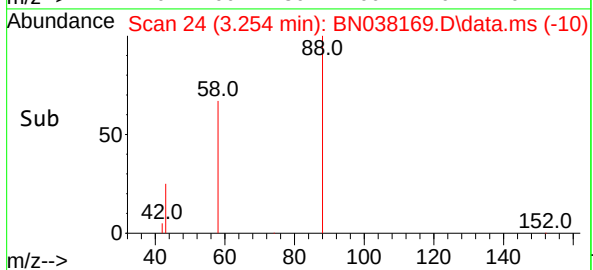
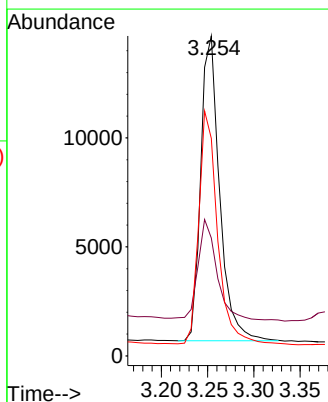
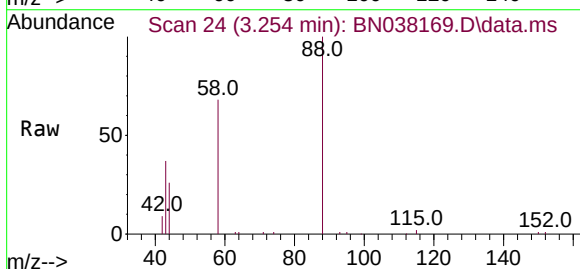
Manual Integrations
APPROVED

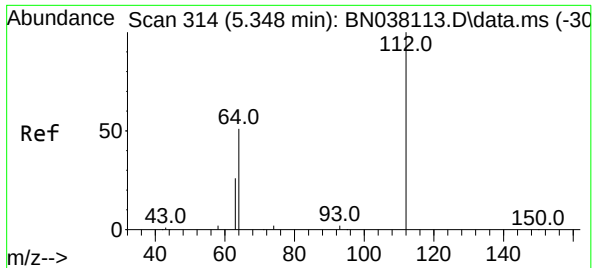
Reviewed By :Rahul Chavli 11/10/2025
Supervised By :Jagrut Upadhyay 11/10/2025



#2
1,4-Dioxane
Concen: 2.128 ng
RT: 3.254 min Scan# 24
Delta R.T. 0.000 min
Lab File: BN038169.D
Acq: 08 Nov 2025 00:44

Tgt Ion: 88 Resp: 19868
Ion Ratio Lower Upper
88 100
43 32.9 24.3 36.5
58 75.4 60.4 90.6





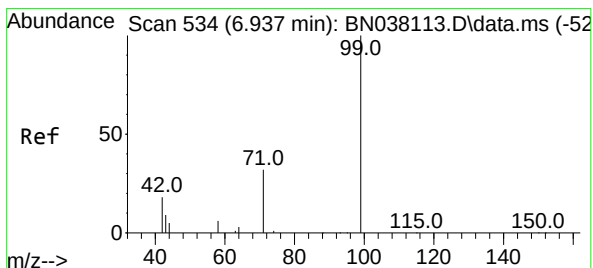
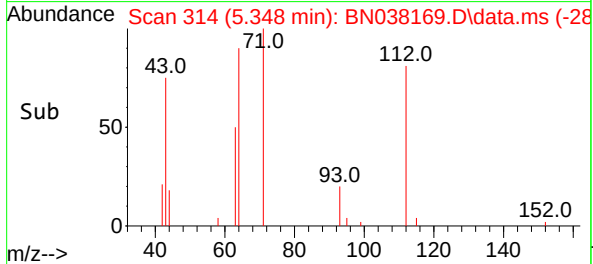
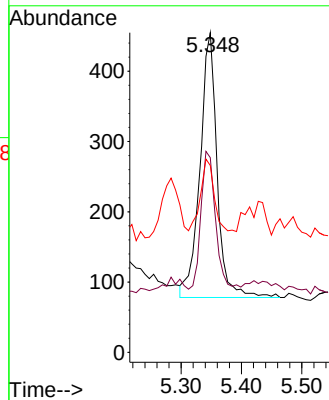
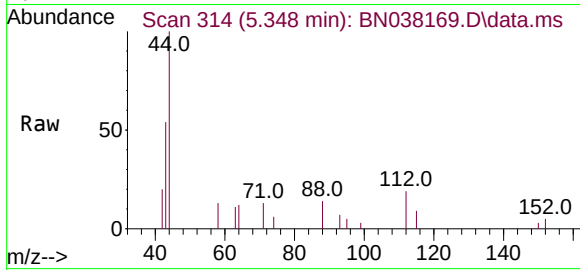
#4
2-Fluorophenol
Concen: 0.035 ng
RT: 5.348 min Scan# 314
Delta R.T. 0.000 min
Lab File: BN038169.D
Acq: 08 Nov 2025 00:44

Instrument :
BNA_N
ClientSampleId :
MW-6DL

Tgt Ion: 112 Resp: 744
Ion Ratio Lower Upper
112 100
64 44.6 45.4 68.0#
63 22.3 23.2 34.8#

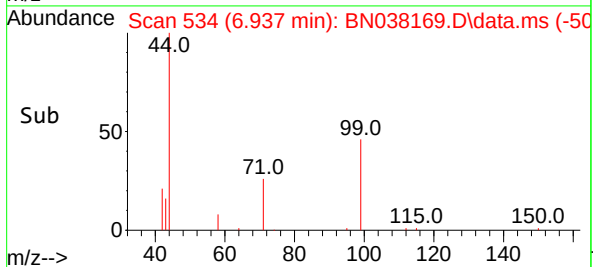
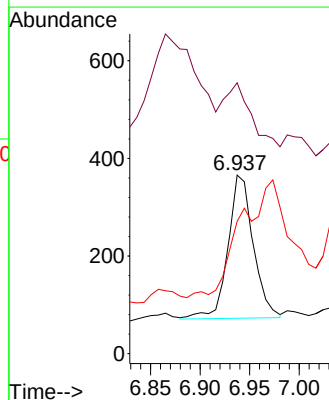
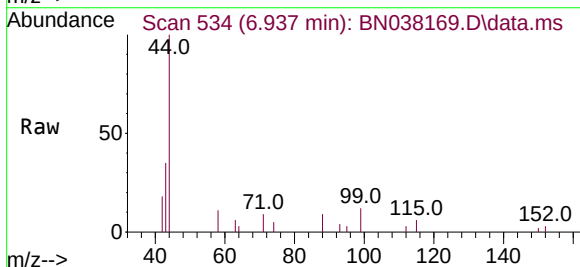
Manual Integrations
APPROVED

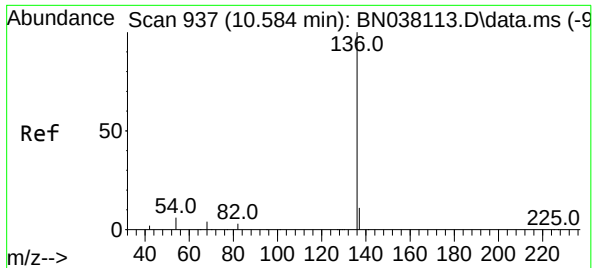
Reviewed By :Rahul Chavli 11/10/2025
Supervised By :Jagrut Upadhyay 11/10/2025



#5
Phenol-d6
Concen: 0.020 ng
RT: 6.937 min Scan# 534
Delta R.T. 0.000 min
Lab File: BN038169.D
Acq: 08 Nov 2025 00:44

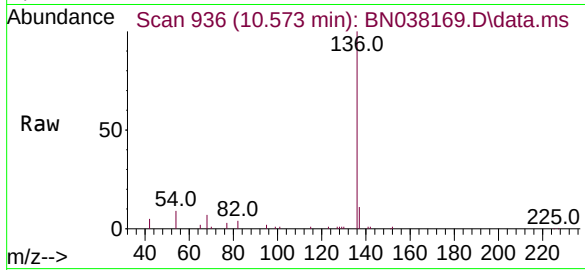
Tgt Ion: 99 Resp: 520
Ion Ratio Lower Upper
99 100
42 46.7 16.6 24.8#
71 0.0 25.4 38.2#





#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.573 min Scan# 937
Delta R.T. 0.000 min
Lab File: BN038169.D
Acq: 08 Nov 2025 00:44

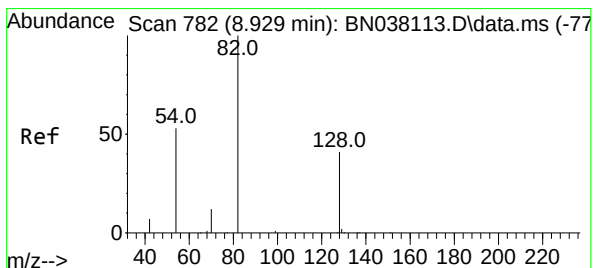
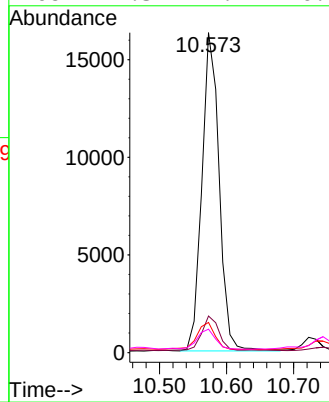
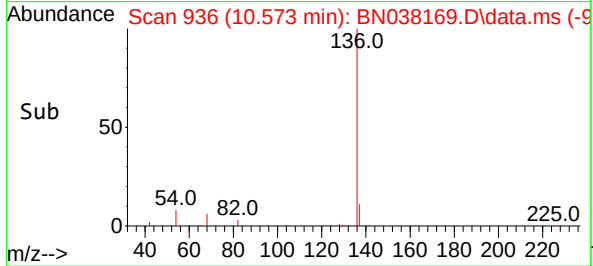
Instrument :
BNA_N
ClientSampleId :
MW-6DL



Tgt Ion: 136 Resp: 29109
Ion Ratio Lower Upper
136 100
137 11.4 9.0 13.4
54 9.4 5.2 7.8
68 7.3 4.1 6.1

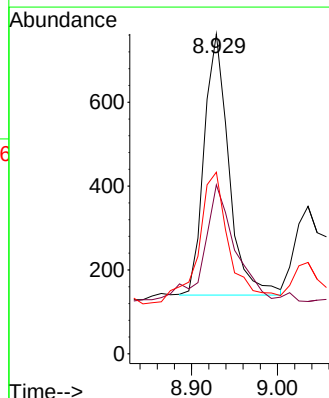
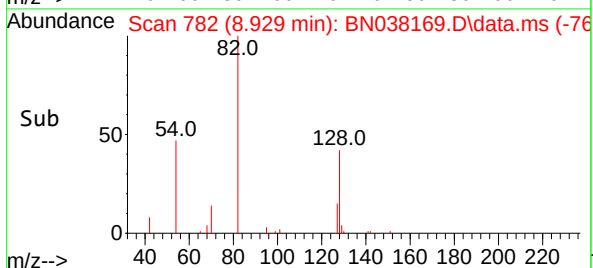
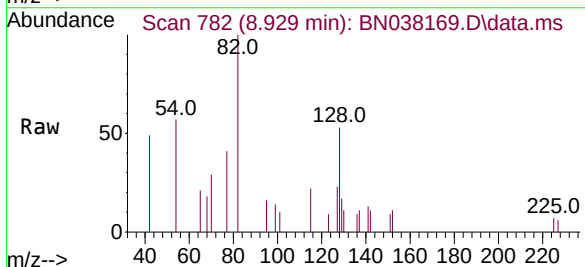
Manual Integrations
APPROVED

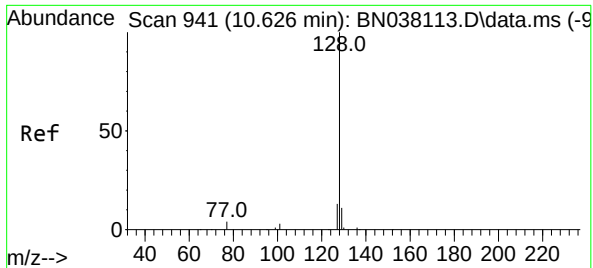
Reviewed By :Rahul Chavli 11/10/2025
Supervised By :Jagrut Upadhyay 11/10/2025



#8
Nitrobenzene-d5
Concen: 0.053 ng m
RT: 8.929 min Scan# 782
Delta R.T. 0.000 min
Lab File: BN038169.D
Acq: 08 Nov 2025 00:44

Tgt Ion: 82 Resp: 1245
Ion Ratio Lower Upper
82 100
128 52.8 34.1 51.1
54 56.7 43.5 65.3





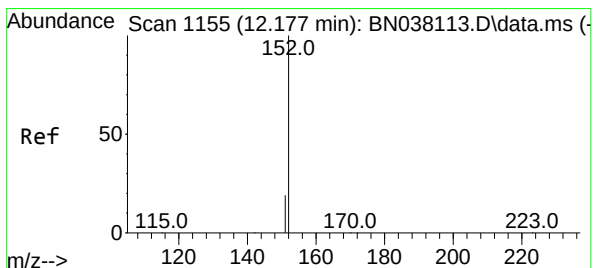
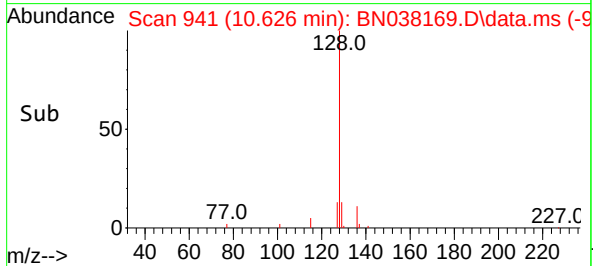
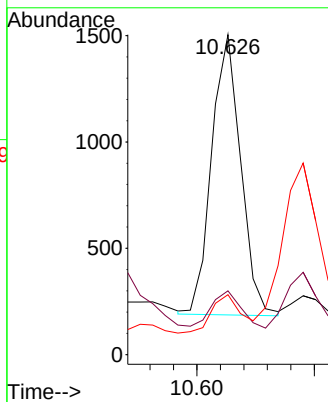
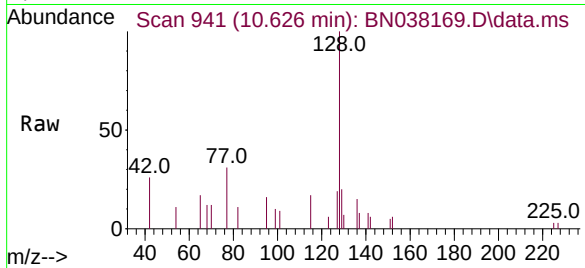
#9
Naphthalene
Concen: 0.028 ng
RT: 10.626 min Scan# 941
Delta R.T. 0.000 min
Lab File: BN038169.D
Acq: 08 Nov 2025 00:44

Instrument :
BNA_N
ClientSampleId :
MW-6DL

Tgt Ion:128 Resp: 2267
Ion Ratio Lower Upper
128 100
129 19.9 9.1 13.74
127 18.7 10.5 15.74

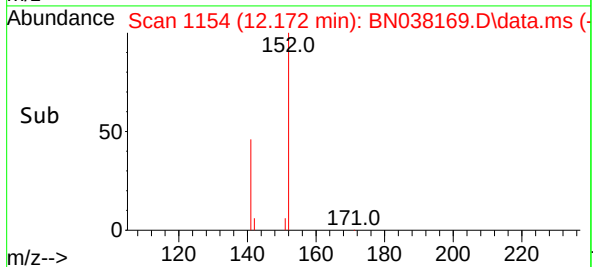
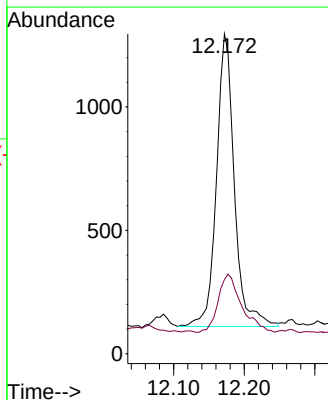
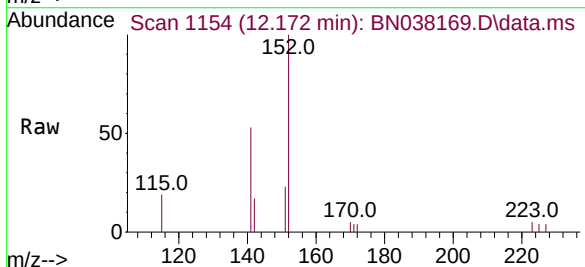
Manual Integrations
APPROVED

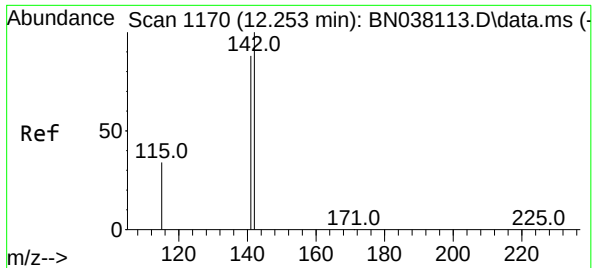
Reviewed By :Rahul Chavli 11/10/2025
Supervised By :Jagrut Upadhyay 11/10/2025



#11
2-Methylnaphthalene-d10
Concen: 0.050 ng
RT: 12.172 min Scan# 1154
Delta R.T. -0.005 min
Lab File: BN038169.D
Acq: 08 Nov 2025 00:44

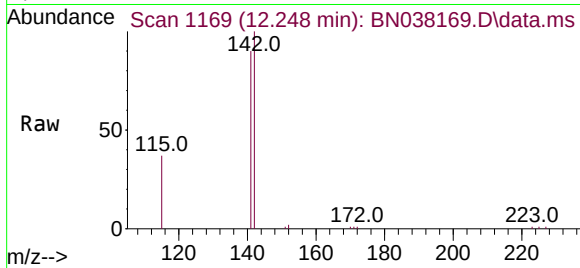
Tgt Ion:152 Resp: 2087
Ion Ratio Lower Upper
152 100
151 26.1 16.8 25.2#





#12
2-Methylnaphthalene
Concen: 0.219 ng
RT: 12.248 min Scan# 1170
Delta R.T. 0.000 min
Lab File: BN038169.D
Acq: 08 Nov 2025 00:44

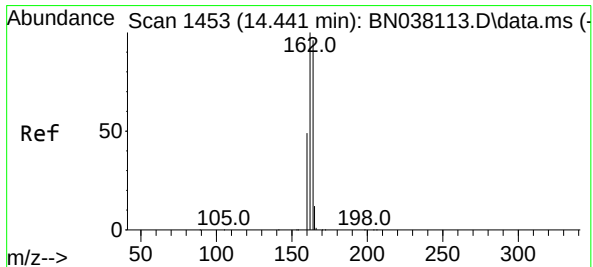
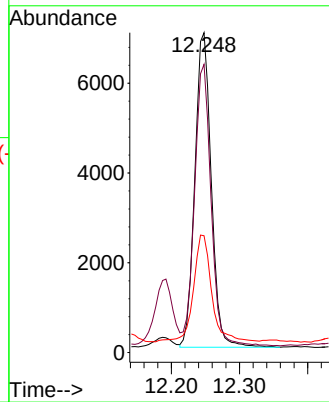
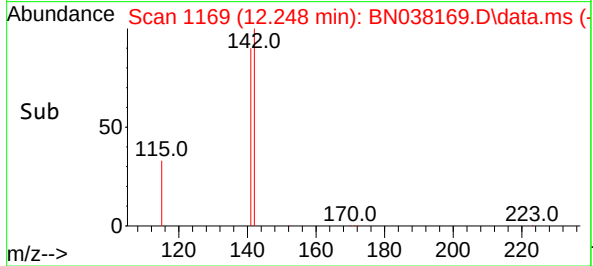
Instrument :
BNA_N
ClientSampleId :
MW-6DL



Tgt Ion:142 Resp: 11720
Ion Ratio Lower Upper
142 100
141 90.1 70.3 105.5
115 36.5 27.8 41.6

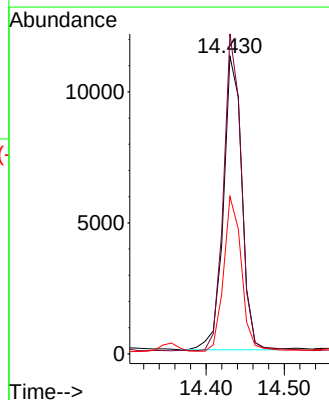
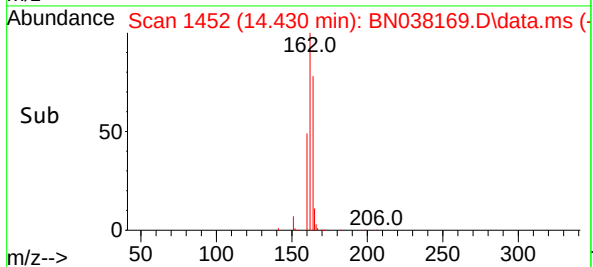
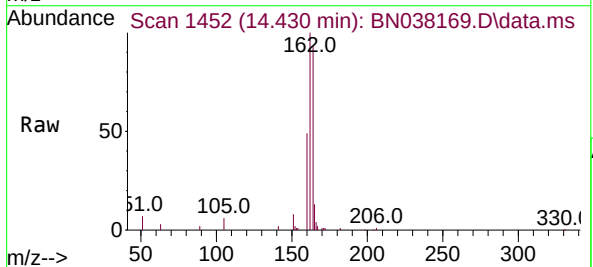
Manual Integrations
APPROVED

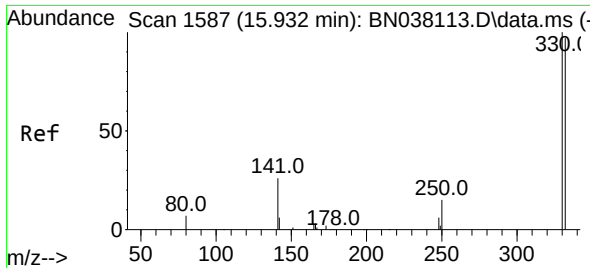
Reviewed By :Rahul Chavli 11/10/2025
Supervised By :Jagrut Upadhyay 11/10/2025



#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.430 min Scan# 1452
Delta R.T. 0.000 min
Lab File: BN038169.D
Acq: 08 Nov 2025 00:44

Tgt Ion:164 Resp: 18416
Ion Ratio Lower Upper
164 100
162 107.5 83.0 124.4
160 52.9 40.7 61.1





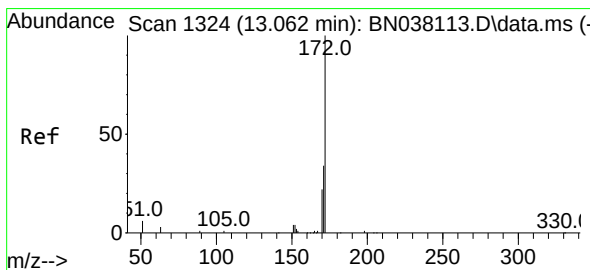
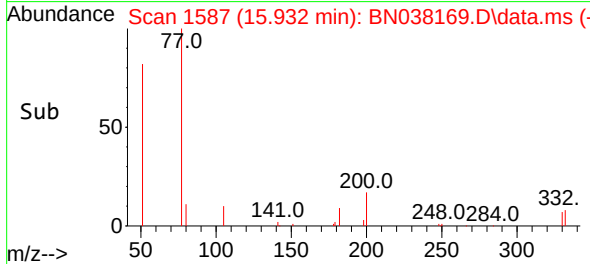
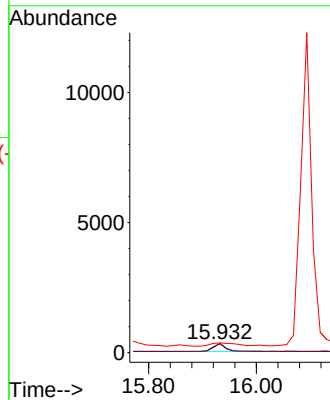
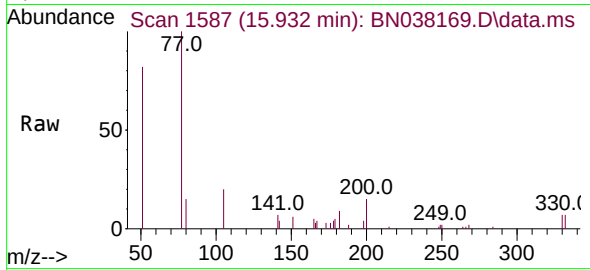
#14
2,4,6-Tribromophenol
Concen: 0.064 ng
RT: 15.932 min Scan# 11
Delta R.T. 0.000 min
Lab File: BN038169.D
Acq: 08 Nov 2025 00:44

Instrument :
BNA_N
ClientSampleId :
MW-6DL

Tgt Ion: 330 Resp: 484
Ion Ratio Lower Upper
330 100
332 97.5 76.6 114.8
141 92.8 34.1 51.1

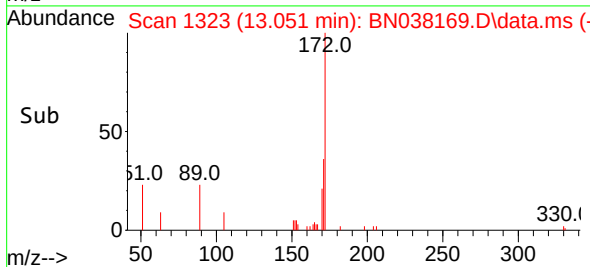
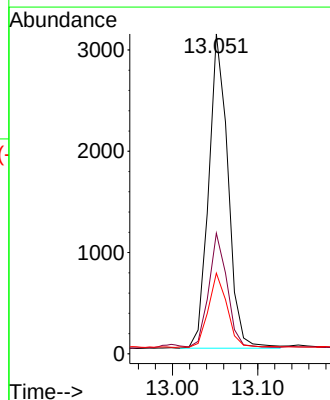
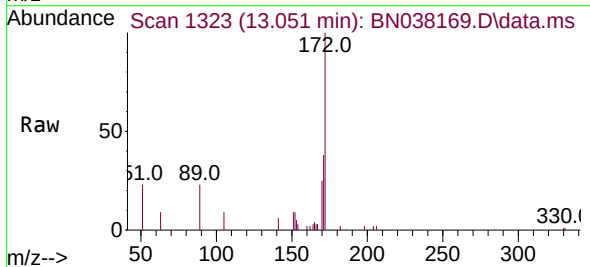
Manual Integrations
APPROVED

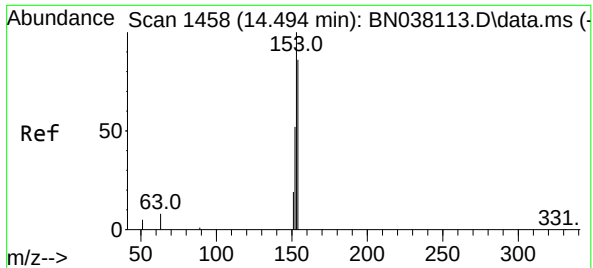
Reviewed By :Rahul Chavli 11/10/2025
Supervised By :Jagrut Upadhyay 11/10/2025



#15
2-Fluorobiphenyl
Concen: 0.066 ng
RT: 13.051 min Scan# 1323
Delta R.T. 0.000 min
Lab File: BN038169.D
Acq: 08 Nov 2025 00:44

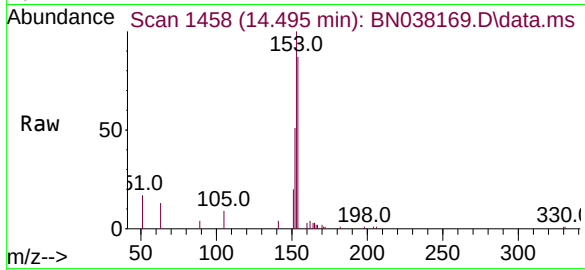
Tgt Ion: 172 Resp: 4896
Ion Ratio Lower Upper
172 100
171 37.7 27.8 41.6
170 25.2 18.1 27.1





#17
Acenaphthene
Concen: 0.128 ng
RT: 14.495 min Scan# 1458
Delta R.T. 0.000 min
Lab File: BN038169.D
Acq: 08 Nov 2025 00:44

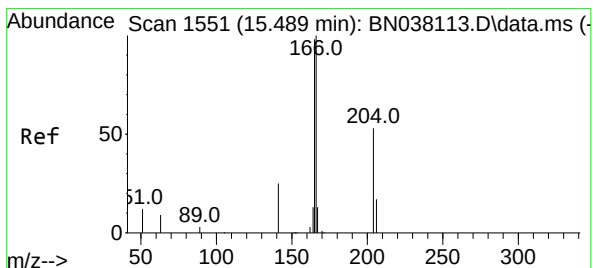
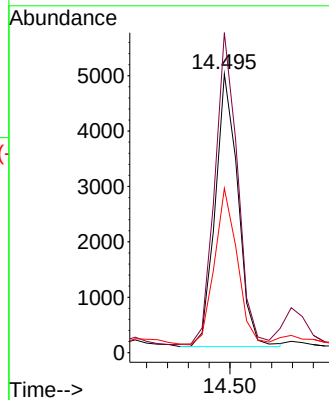
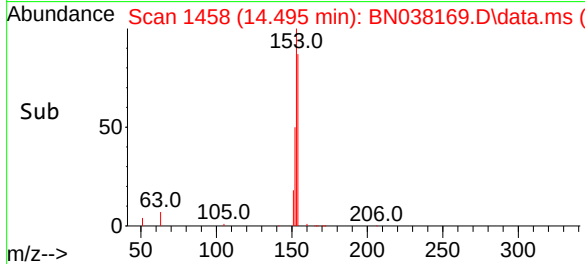
Instrument :
BNA_N
ClientSampleId :
MW-6DL



Tgt Ion:154 Resp: 7462
Ion Ratio Lower Upper
154 100
153 113.8 90.0 135.0
152 57.2 47.3 70.9

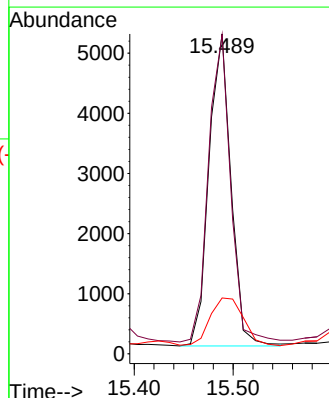
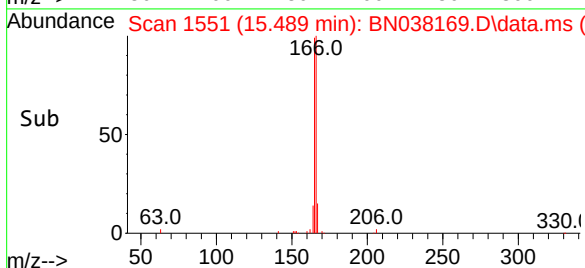
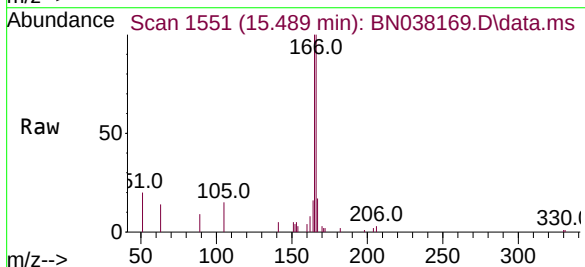
Manual Integrations
APPROVED

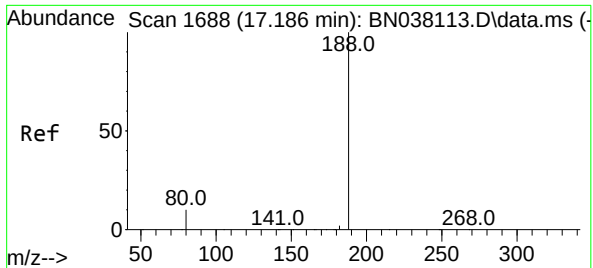
Reviewed By :Rahul Chavli 11/10/2025
Supervised By :Jagrut Upadhyay 11/10/2025



#18
Fluorene
Concen: 0.110 ng
RT: 15.489 min Scan# 1551
Delta R.T. -0.000 min
Lab File: BN038169.D
Acq: 08 Nov 2025 00:44

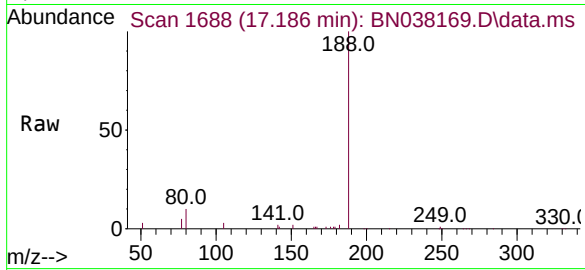
Tgt Ion:166 Resp: 8417
Ion Ratio Lower Upper
166 100
165 98.6 79.0 118.4
167 22.6 10.7 16.1#





#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.186 min Scan# 1688
Delta R.T. 0.000 min
Lab File: BN038169.D
Acq: 08 Nov 2025 00:44

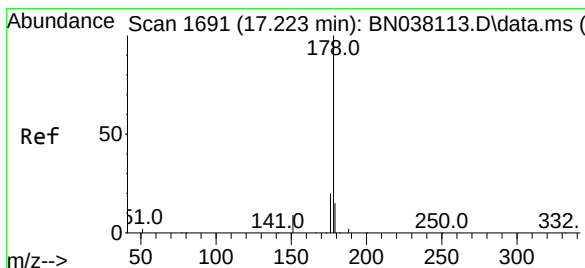
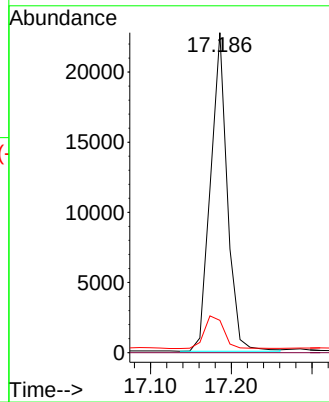
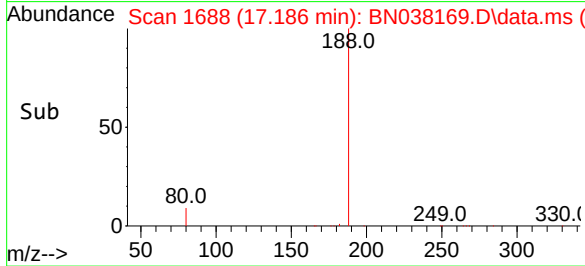
Instrument :
BNA_N
ClientSampleId :
MW-6DL



Tgt Ion:188 Resp: 32776
Ion Ratio Lower Upper
188 100
94 0.0 0.0 0.0
80 10.1 8.6 13.0

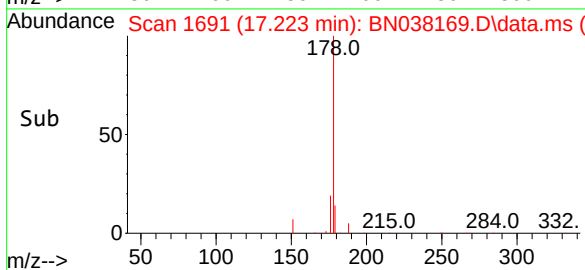
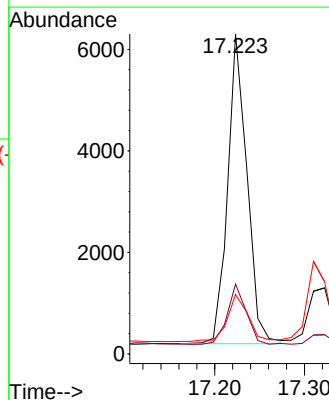
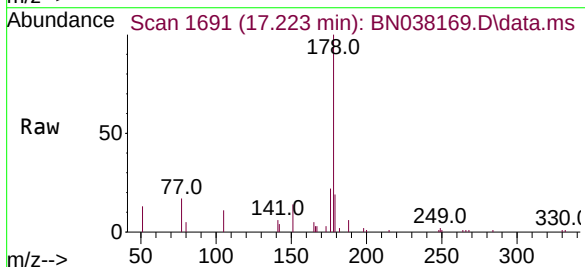
Manual Integrations
APPROVED

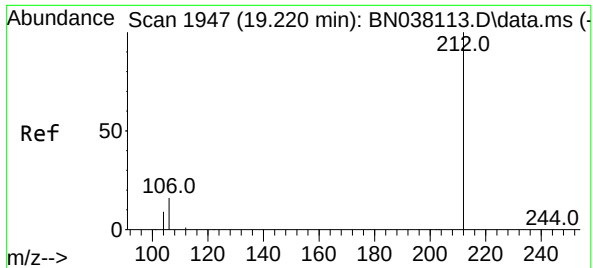
Reviewed By :Rahul Chavli 11/10/2025
Supervised By :Jagrut Upadhyay 11/10/2025



#25
Phenanthrene
Concen: 0.088 ng
RT: 17.223 min Scan# 1691
Delta R.T. 0.000 min
Lab File: BN038169.D
Acq: 08 Nov 2025 00:44

Tgt Ion:178 Resp: 9145
Ion Ratio Lower Upper
178 100
176 19.2 15.5 23.3
179 16.3 12.2 18.4





#27

Fluoranthene-d10

Concen: 0.049 ng

RT: 19.220 min Scan# 1947

Delta R.T. 0.000 min

Lab File: BN038169.D

Acq: 08 Nov 2025 00:44

Instrument :

BNA_N

ClientSampleId :

MW-6DL

Tgt Ion:212 Resp: 4042

Ion Ratio Lower Upper

212 100

106 18.9 12.6 19.0

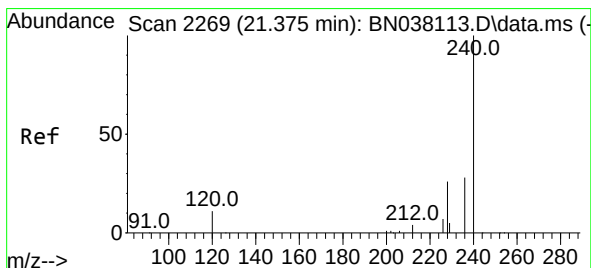
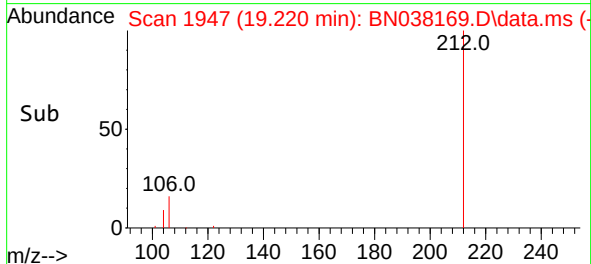
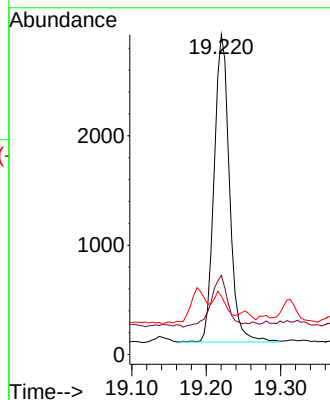
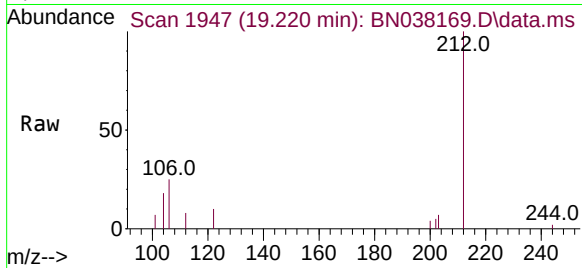
104 8.2 7.1 10.7

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: 21.376 min Scan# 2269

Delta R.T. 0.000 min

Lab File: BN038169.D

Acq: 08 Nov 2025 00:44

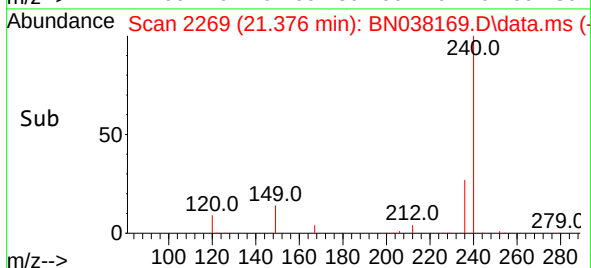
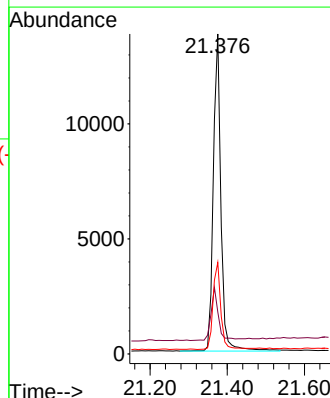
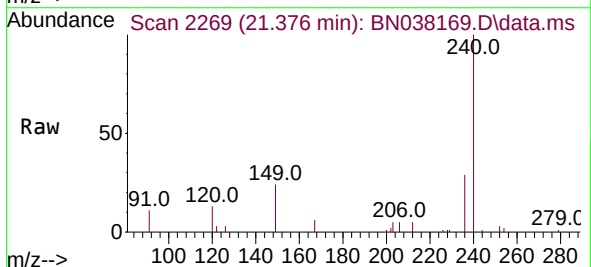
Tgt Ion:240 Resp: 18818

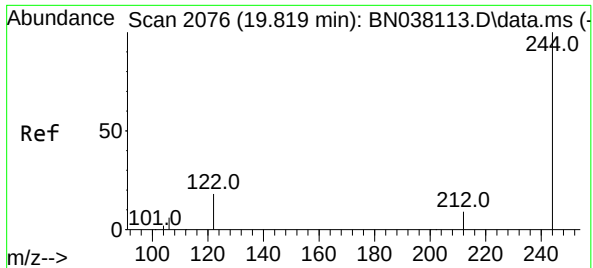
Ion Ratio Lower Upper

240 100

120 13.1 10.7 16.1

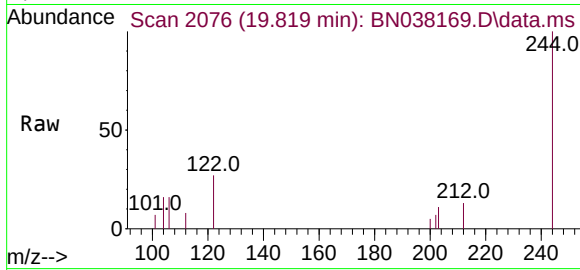
236 28.6 23.1 34.7





#31
Terphenyl-d14
Concen: 0.084 ng
RT: 19.819 min Scan# 2076
Delta R.T. 0.000 min
Lab File: BN038169.D
Acq: 08 Nov 2025 00:44

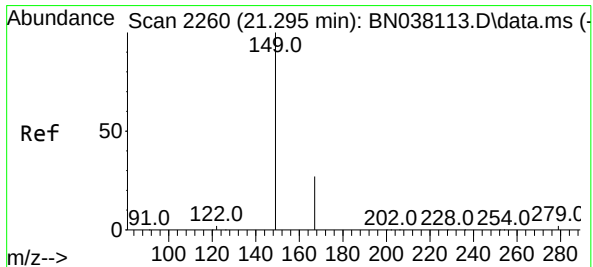
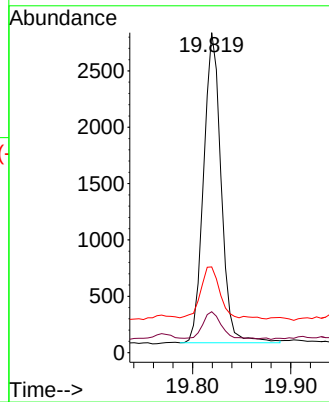
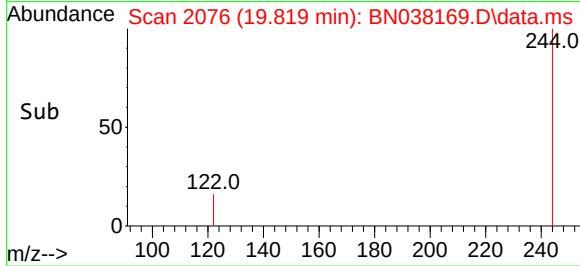
Instrument :
BNA_N
ClientSampleId :
MW-6DL



Tgt Ion:244 Resp: 3414
Ion Ratio Lower Upper
244 100
212 12.8 7.8 11.6
122 26.8 15.2 22.8

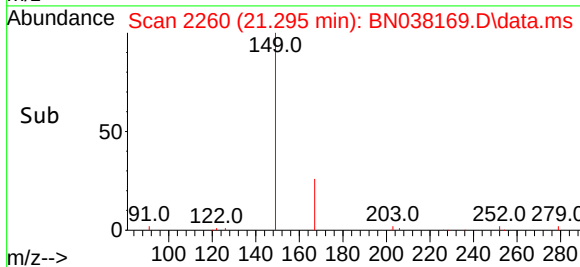
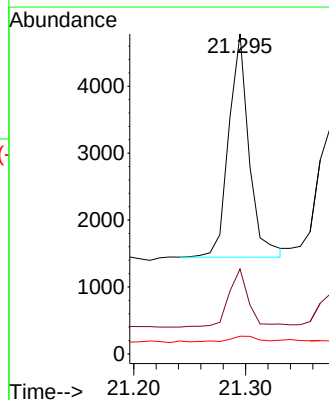
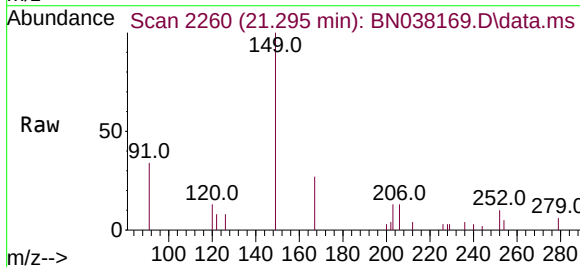
Manual Integrations
APPROVED

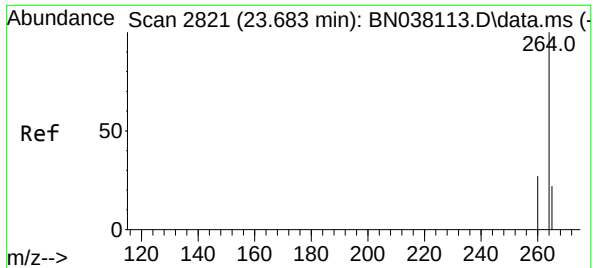
Reviewed By :Rahul Chavli 11/10/2025
Supervised By :Jagrut Upadhyay 11/10/2025



#34
Bis(2-ethylhexyl)phthalate
Concen: 0.119 ng
RT: 21.295 min Scan# 2260
Delta R.T. 0.000 min
Lab File: BN038169.D
Acq: 08 Nov 2025 00:44

Tgt Ion:149 Resp: 4200
Ion Ratio Lower Upper
149 100
167 26.0 21.1 31.7
279 3.3 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: BN038169.D

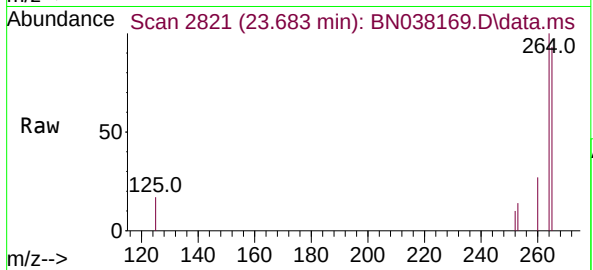
Acq: 08 Nov 2025 00:44

Instrument :

BNA_N

ClientSampleId :

MW-6DL



Tgt Ion:264 Resp: 16362

Ion Ratio Lower Upper

264 100

260 27.2 21.8 32.8

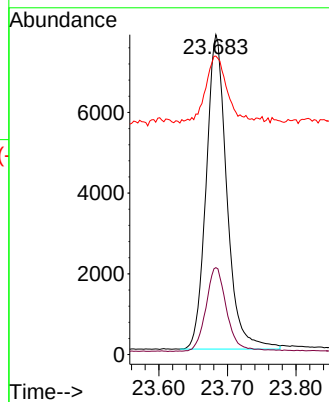
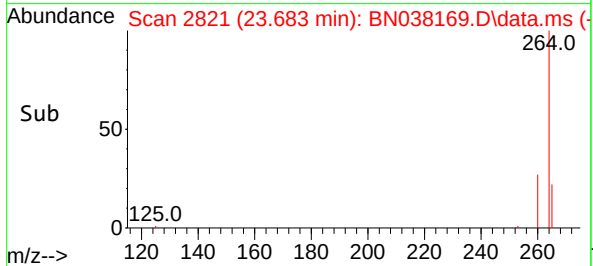
265 93.3 68.6 102.8

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 11/10/2025

Supervised By :Jagrut Upadhyay 11/10/2025





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

Report of Analysis

Client:	Remington & Vernick Engineers		Date Collected:	11/03/25
Project:	Edison Landfill		Date Received:	11/04/25
Client Sample ID:	MW-1		SDG No.:	Q3534
Lab Sample ID:	Q3534-02		Matrix:	Water
Analytical Method:	SW8270ESIM	Level: LOW	% Solid:	0
Sample Wt/Vol:	940 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	62.8	E	1	0.070	0.21	ug/L	11/07/25 11:27	PB170427
SURROGATES									
7297-45-2	2-Methylnaphthalene-d10	0.33			30 (20) - 150 (139)	83%	SPK: 0.4		
93951-69-0	Fluoranthene-d10	0.37			30 (54) - 150 (157)	93%	SPK: 0.4		
4165-60-0	Nitrobenzene-d5	0.34			30 (27) - 130 (154)	84%	SPK: 0.4		
321-60-8	2-Fluorobiphenyl	0.30			30 (30) - 130 (155)	76%	SPK: 0.4		
1718-51-0	Terphenyl-d14	0.51			30 (54) - 130 (175)	127%	SPK: 0.4		
INTERNAL STANDARDS		Area Count							
3855-82-1	1,4-Dichlorobenzene-d4	10700							
1146-65-2	Naphthalene-d8	34500							
15067-26-2	Acenaphthene-d10	21100							
1517-22-2	Phenanthrene-d10	39300							
1719-03-5	Chrysene-d12	27000							
1520-96-3	Perylene-d12	21900							

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

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN110725\
 Data File : BN038150.D
 Acq On : 07 Nov 2025 11:27
 Operator : RC/JU
 Sample : Q3534-02
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 MW-1

Quant Time: Nov 07 11:52:17 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)

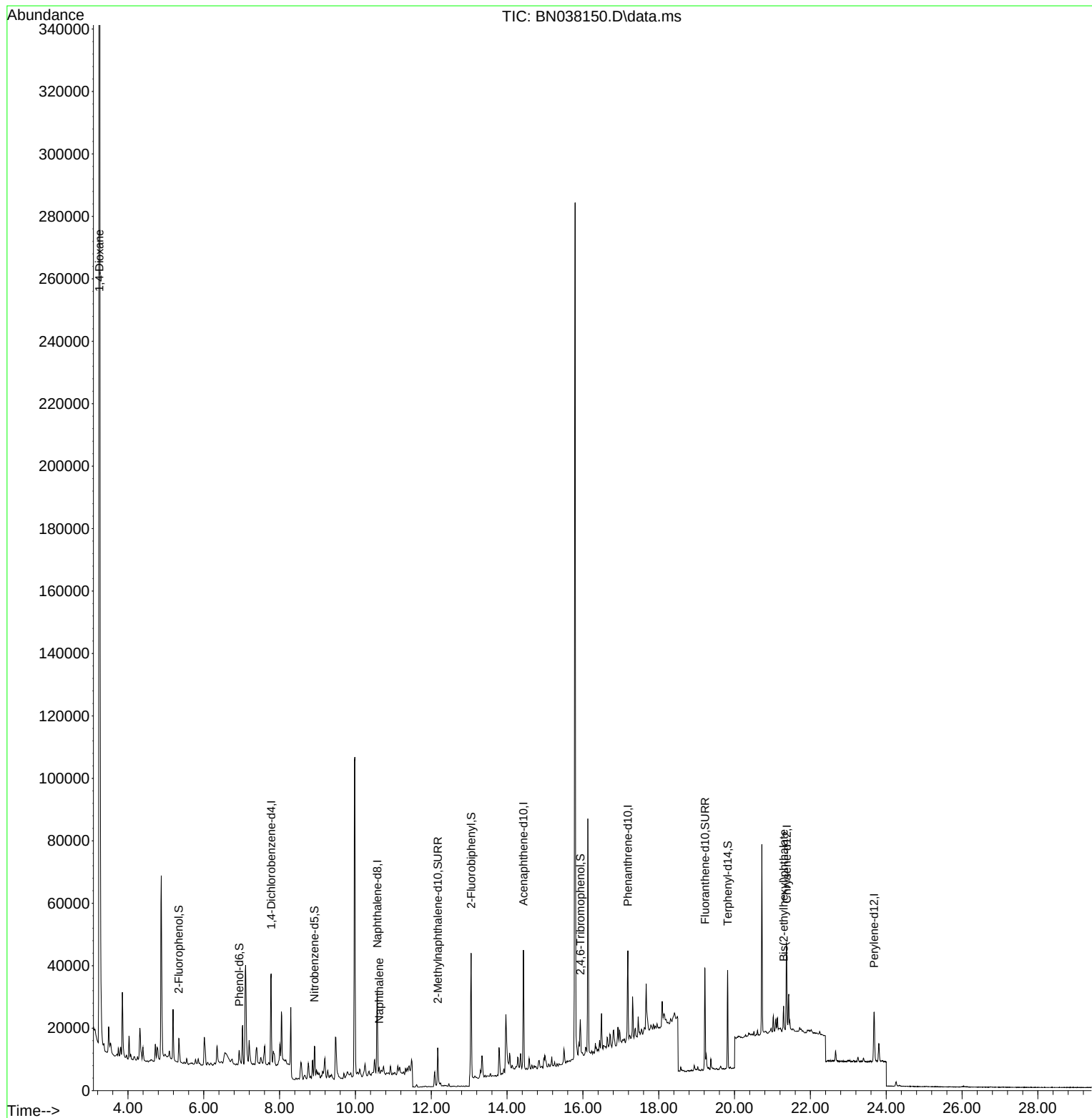
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.775	152	10682	0.400	ng	0.00
7) Naphthalene-d8	10.573	136	34512	0.400	ng	# 0.00
13) Acenaphthene-d10	14.430	164	21143	0.400	ng	0.00
19) Phenanthrene-d10	17.186	188	39293	0.400	ng	0.00
29) Chrysene-d12	21.375	240	27007	0.400	ng	0.00
35) Perylene-d12	23.680	264	21896	0.400	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.341	112	4556	0.181	ng	0.00
5) Phenol-d6	6.937	99	4076	0.133	ng	0.00
8) Nitrobenzene-d5	8.918	82	9385	0.337	ng	-0.01
11) 2-Methylnaphthalene-d10	12.172	152	16461	0.334	ng	0.00
14) 2,4,6-Tribromophenol	15.932	330	4244	0.487	ng	0.00
15) 2-Fluorobiphenyl	13.051	172	25711	0.304	ng	0.00
27) Fluoranthene-d10	19.220	212	36896	0.372	ng	0.00
31) Terphenyl-d14	19.819	244	29953	0.510	ng	0.00
Target Compounds						
2) 1,4-Dioxane	3.247	88	651509	59.029	ng	Qvalue 100
9) Naphthalene	10.626	128	3096	0.033	ng	# 82
34) Bis(2-ethylhexyl)phtha...	21.295	149	7413	0.146	ng	100

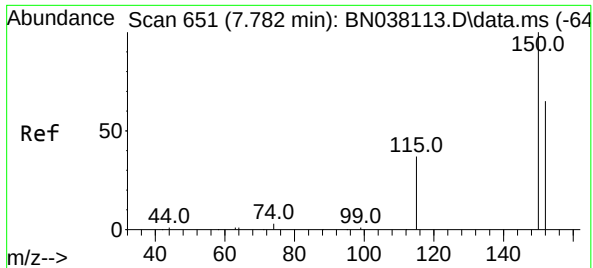
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN110725\
Data File : BN038150.D
Acq On : 07 Nov 2025 11:27
Operator : RC/JU
Sample : Q3534-02
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
MW-1

Quant Time: Nov 07 11:52:17 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

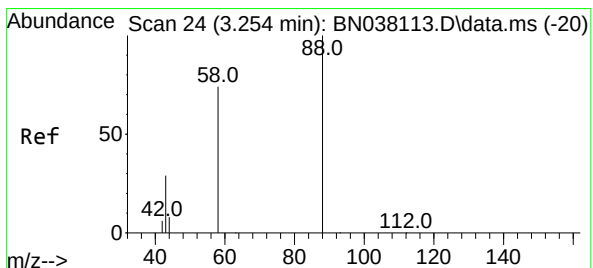
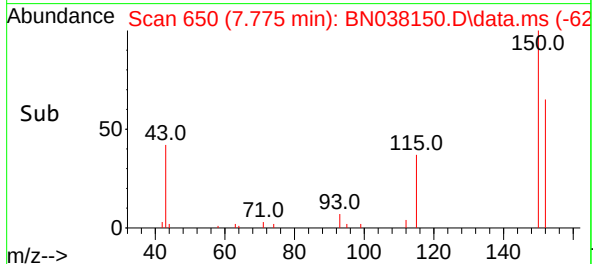
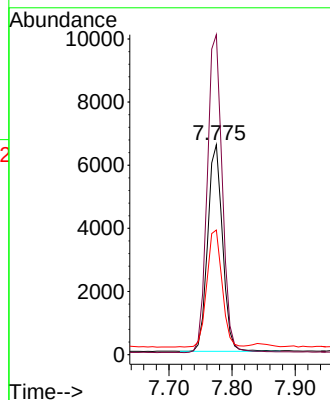
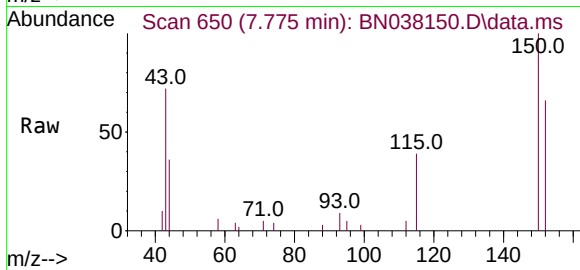




#1
 1,4-Dichlorobenzene-d4
 Concen: 0.400 ng
 RT: 7.775 min Scan# 61
 Delta R.T. -0.000 min
 Lab File: BN038150.D
 Acq: 07 Nov 2025 11:27

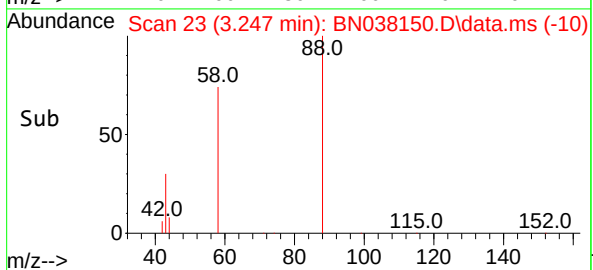
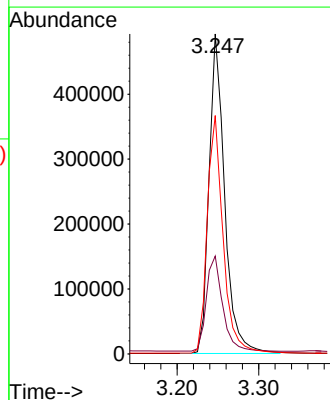
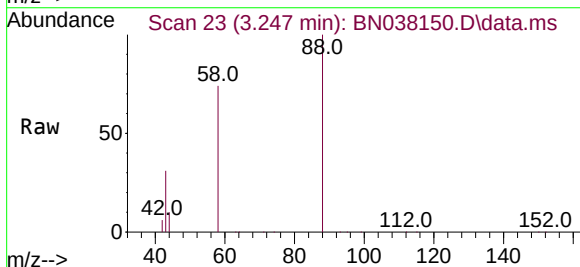
Instrument :
 BNA_N
 ClientSampleId :
 MW-1

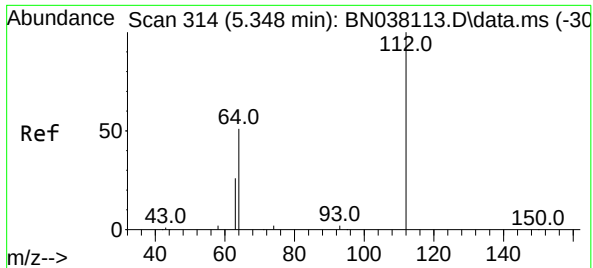
Tgt Ion:152 Resp: 10682
 Ion Ratio Lower Upper
 152 100
 150 152.5 122.3 183.5
 115 59.3 47.4 71.0



#2
 1,4-Dioxane
 Concen: 59.029 ng
 RT: 3.247 min Scan# 23
 Delta R.T. -0.007 min
 Lab File: BN038150.D
 Acq: 07 Nov 2025 11:27

Tgt Ion: 88 Resp: 651509
 Ion Ratio Lower Upper
 88 100
 43 30.9 24.3 36.5
 58 75.6 60.4 90.6

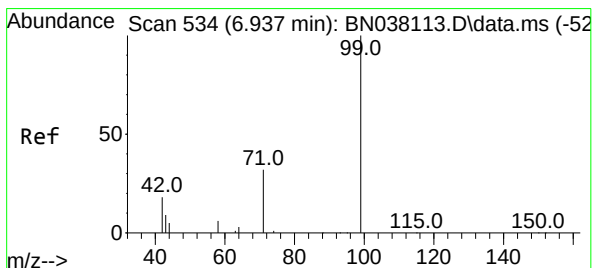
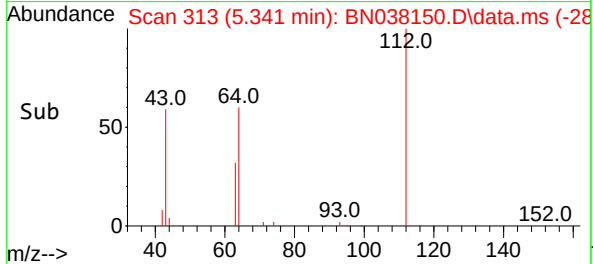
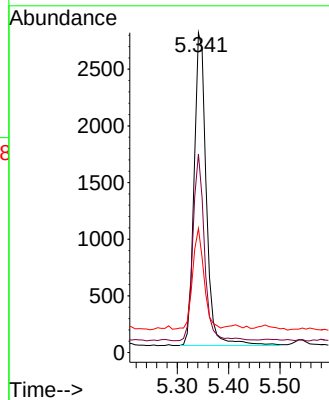
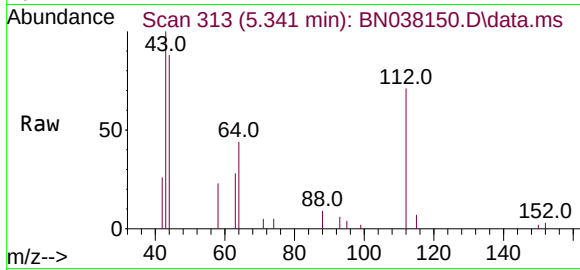




#4
2-Fluorophenol
Concen: 0.181 ng
RT: 5.341 min Scan# 314
Delta R.T. -0.007 min
Lab File: BN038150.D
Acq: 07 Nov 2025 11:27

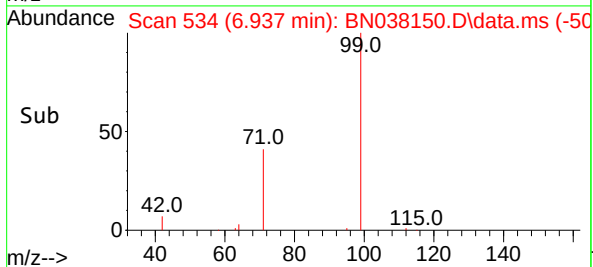
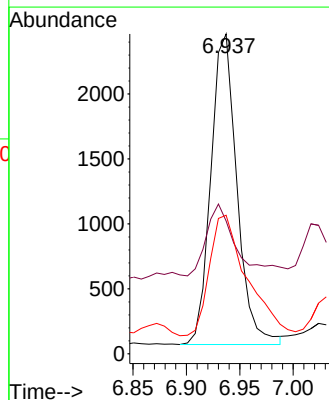
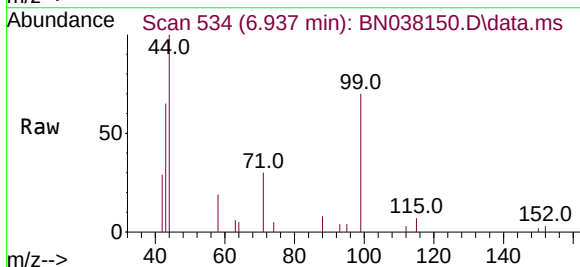
Instrument :
BNA_N
ClientSampleId :
MW-1

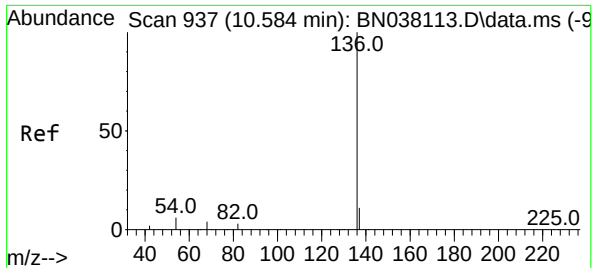
Tgt Ion	Ratio	Lower	Upper
112	100		
64	56.7	45.4	68.0
63	30.6	23.2	34.8



#5
Phenol-d6
Concen: 0.133 ng
RT: 6.937 min Scan# 534
Delta R.T. -0.000 min
Lab File: BN038150.D
Acq: 07 Nov 2025 11:27

Tgt Ion	Ratio	Lower	Upper
99	100		
42	30.3	16.6	24.8#
71	55.8	25.4	38.2#

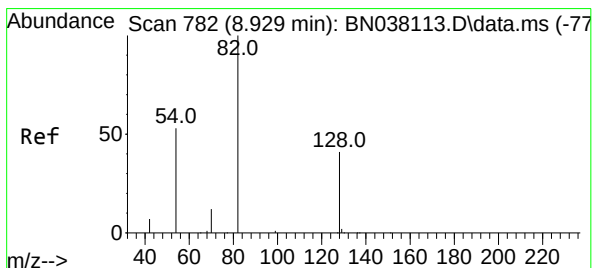
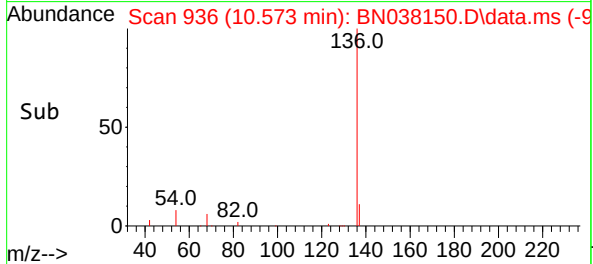
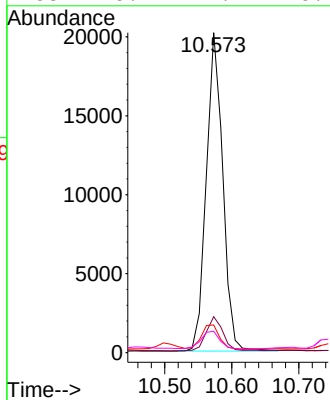
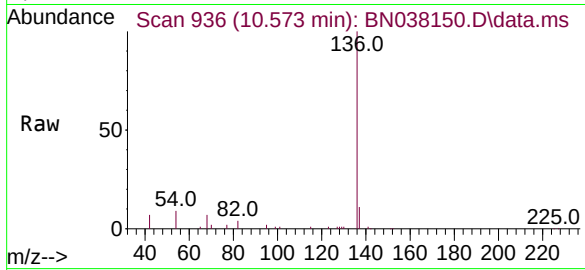




#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.573 min Scan# 931
Delta R.T. -0.000 min
Lab File: BN038150.D
Acq: 07 Nov 2025 11:27

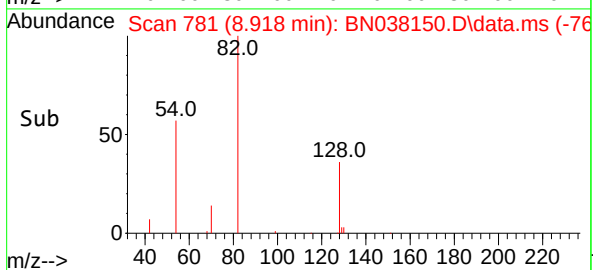
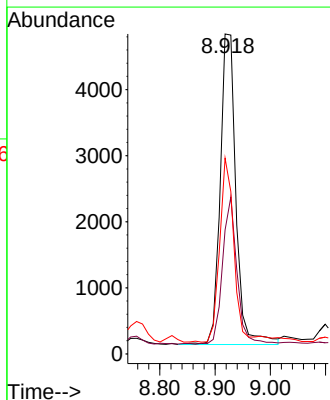
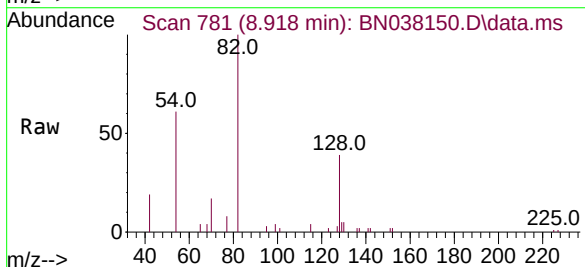
Instrument :
BNA_N
ClientSampleId :
MW-1

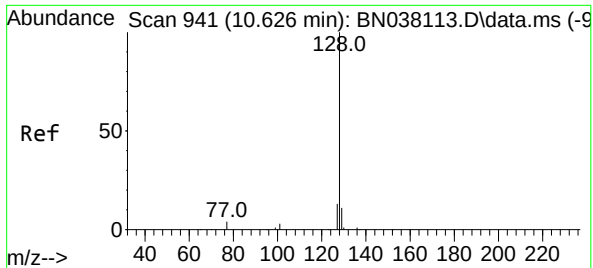
Tgt Ion:136 Resp: 34512
Ion Ratio Lower Upper
136 100
137 11.2 9.0 13.4
54 8.6 5.2 7.8#
68 6.7 4.1 6.1#



#8
Nitrobenzene-d5
Concen: 0.337 ng
RT: 8.918 min Scan# 781
Delta R.T. -0.011 min
Lab File: BN038150.D
Acq: 07 Nov 2025 11:27

Tgt Ion: 82 Resp: 9385
Ion Ratio Lower Upper
82 100
128 38.7 34.1 51.1
54 61.2 43.5 65.3

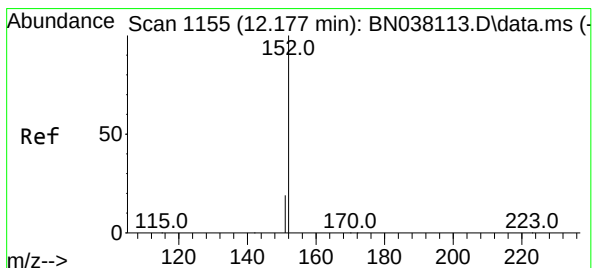
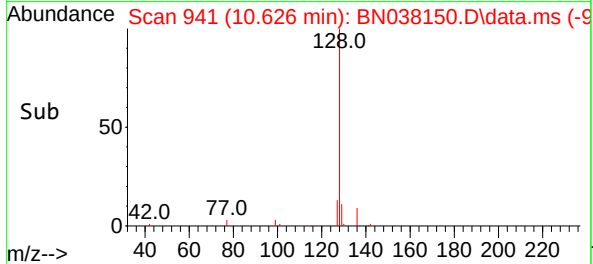
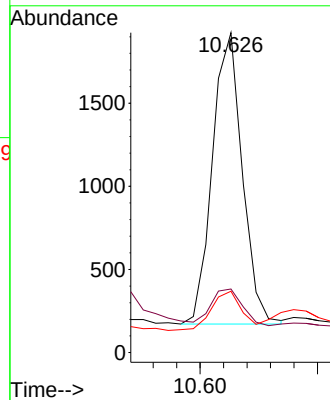
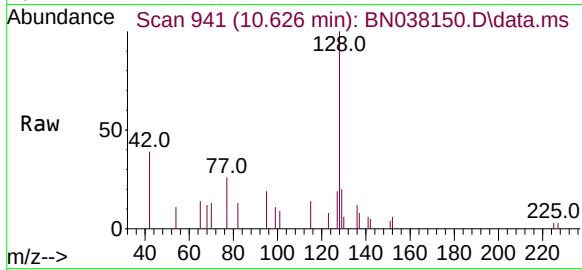




#9
Naphthalene
Concen: 0.033 ng
RT: 10.626 min Scan# 941
Delta R.T. -0.000 min
Lab File: BN038150.D
Acq: 07 Nov 2025 11:27

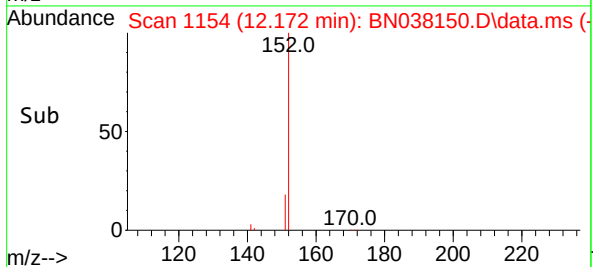
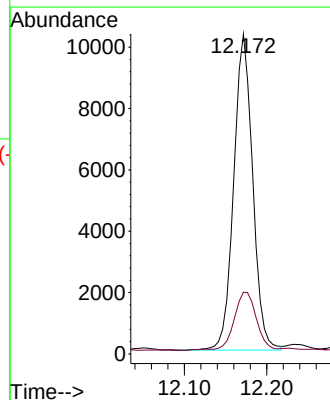
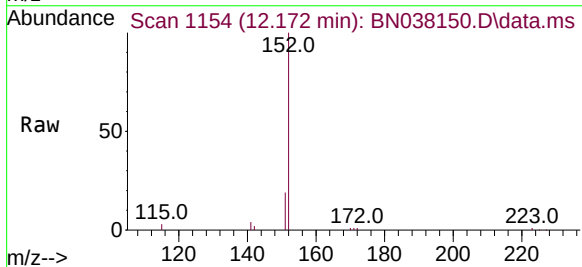
Instrument :
BNA_N
ClientSampleId :
MW-1

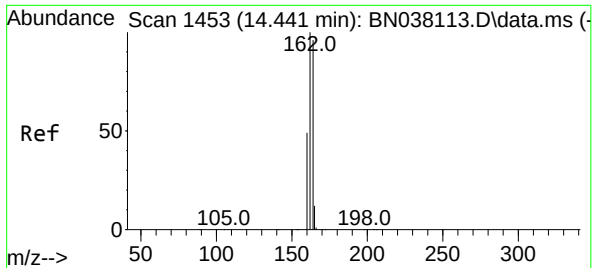
Tgt Ion:128 Resp: 3096
Ion Ratio Lower Upper
128 100
129 19.8 9.1 13.7#
127 19.2 10.5 15.7#



#11
2-Methylnaphthalene-d10
Concen: 0.334 ng
RT: 12.172 min Scan# 1154
Delta R.T. -0.005 min
Lab File: BN038150.D
Acq: 07 Nov 2025 11:27

Tgt Ion:152 Resp: 16461
Ion Ratio Lower Upper
152 100
151 21.8 16.8 25.2

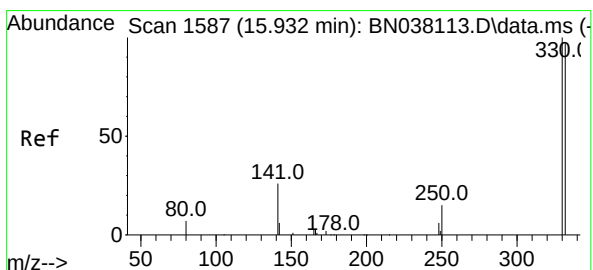
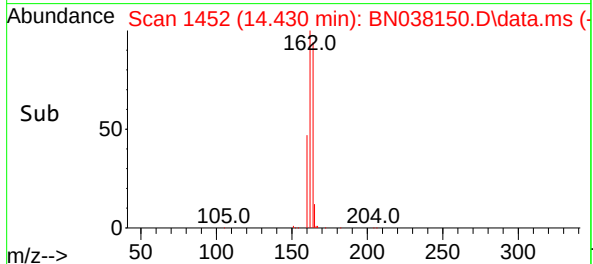
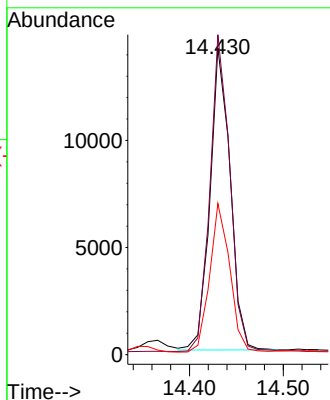
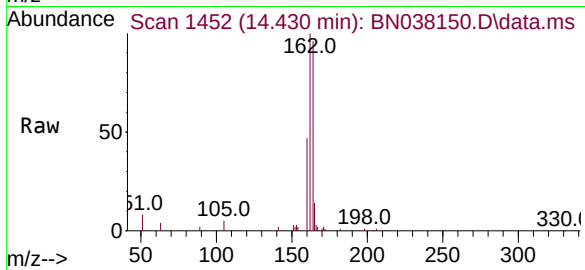




#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.430 min Scan# 1453
Delta R.T. -0.000 min
Lab File: BN038150.D
Acq: 07 Nov 2025 11:27

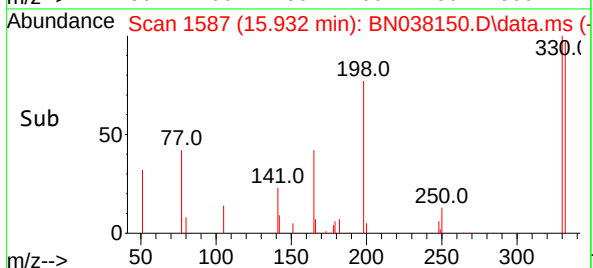
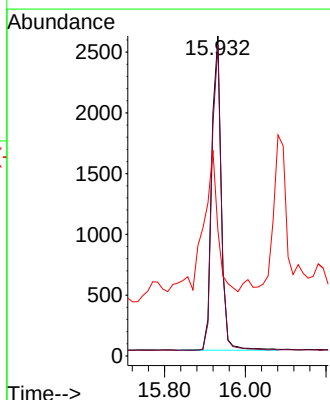
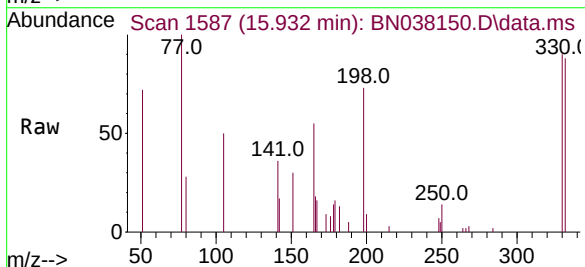
Instrument :
BNA_N
ClientSampleId :
MW-1

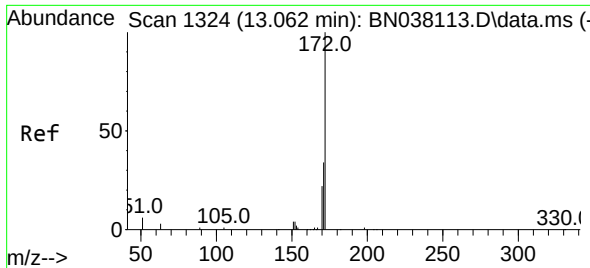
Tgt Ion:164 Resp: 21143
Ion Ratio Lower Upper
164 100
162 104.3 83.0 124.4
160 49.3 40.7 61.1



#14
2,4,6-Tribromophenol
Concen: 0.487 ng
RT: 15.932 min Scan# 1587
Delta R.T. 0.000 min
Lab File: BN038150.D
Acq: 07 Nov 2025 11:27

Tgt Ion:330 Resp: 4244
Ion Ratio Lower Upper
330 100
332 95.7 76.6 114.8
141 68.0 34.1 51.1#

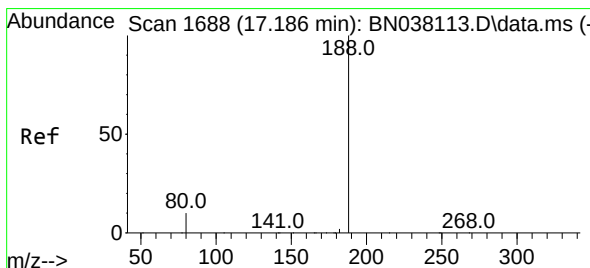
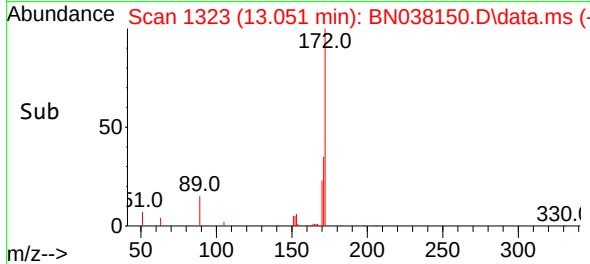
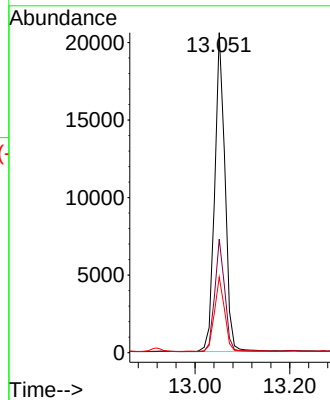
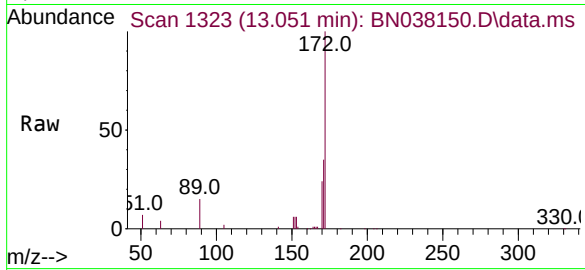




#15
2-Fluorobiphenyl
Concen: 0.304 ng
RT: 13.051 min Scan# 1323
Delta R.T. -0.000 min
Lab File: BN038150.D
Acq: 07 Nov 2025 11:27

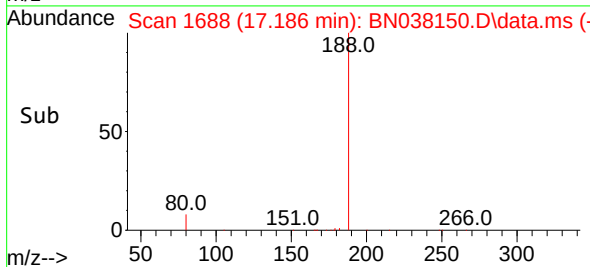
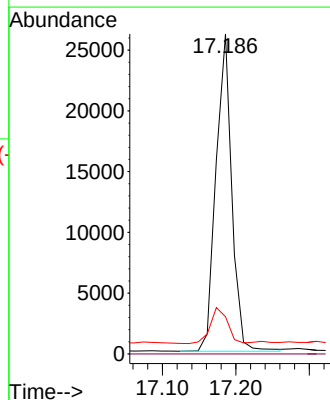
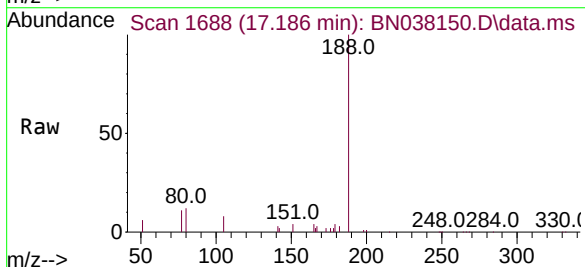
Instrument :
BNA_N
ClientSampleId :
MW-1

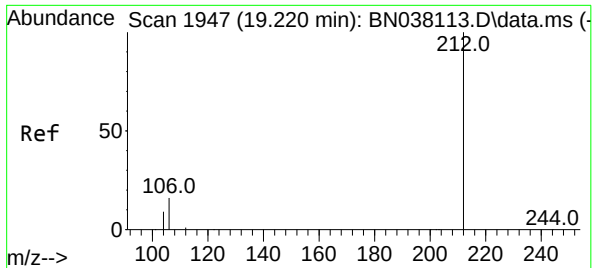
Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.5	27.8	41.6
170	23.6	18.1	27.1



#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.186 min Scan# 1688
Delta R.T. -0.000 min
Lab File: BN038150.D
Acq: 07 Nov 2025 11:27

Tgt Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	11.6	8.6	13.0

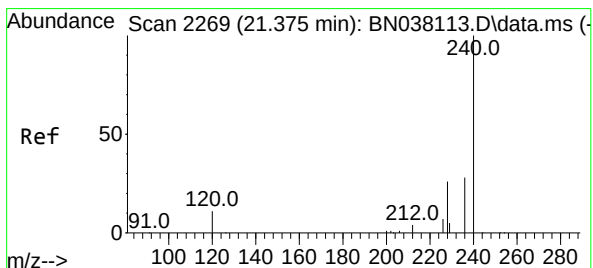
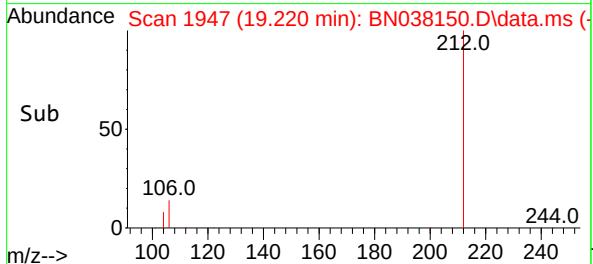
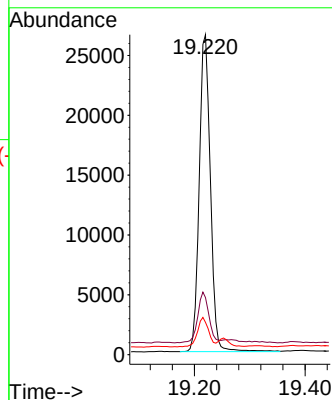
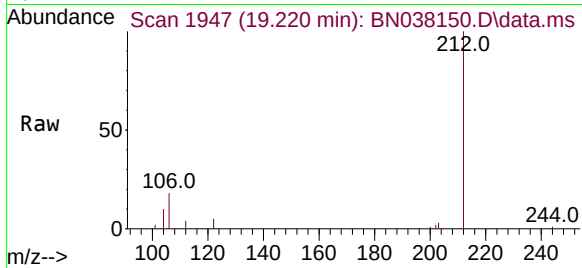




#27
Fluoranthene-d10
Concen: 0.372 ng
RT: 19.220 min Scan# 1947
Delta R.T. -0.000 min
Lab File: BN038150.D
Acq: 07 Nov 2025 11:27

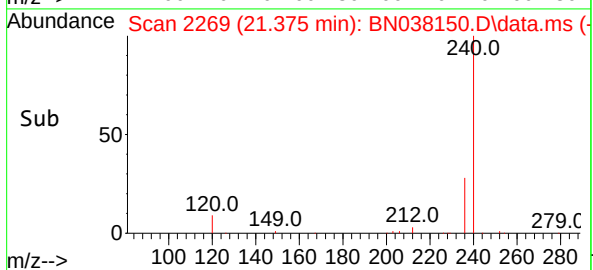
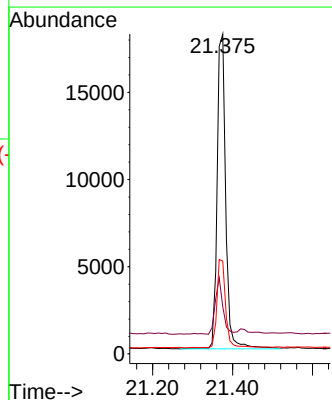
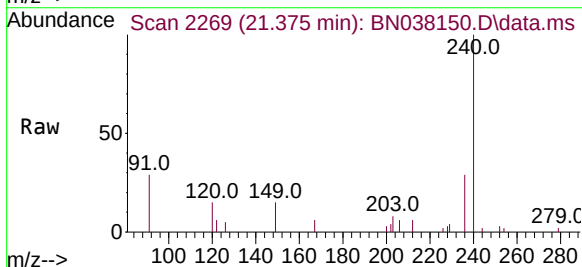
Instrument :
BNA_N
ClientSampleId :
MW-1

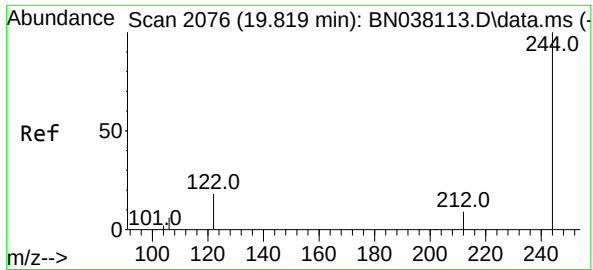
Tgt Ion:	212	Resp:	36896
Ion Ratio	Lower	Upper	
212	100		
106	16.2	12.6	19.0
104	9.4	7.1	10.7



#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.375 min Scan# 2269
Delta R.T. -0.000 min
Lab File: BN038150.D
Acq: 07 Nov 2025 11:27

Tgt Ion:	240	Resp:	27007
Ion Ratio	Lower	Upper	
240	100		
120	14.8	10.7	16.1
236	29.0	23.1	34.7

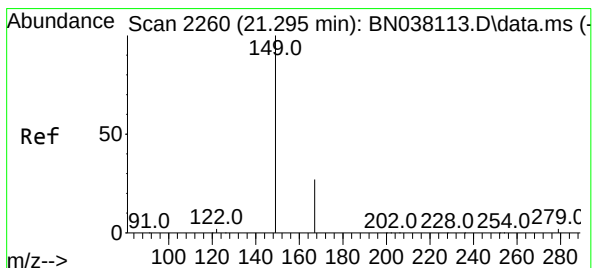
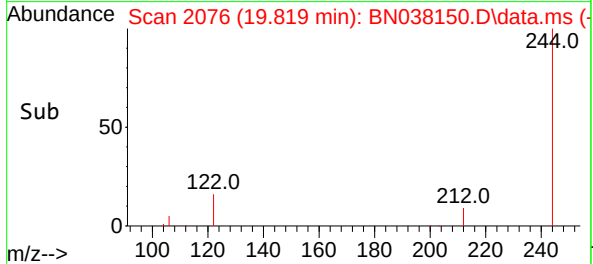
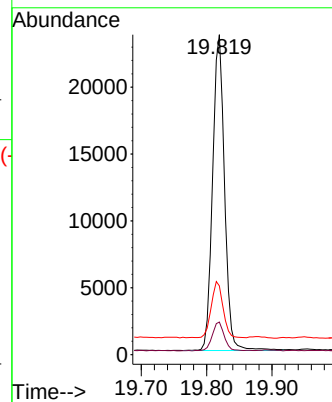
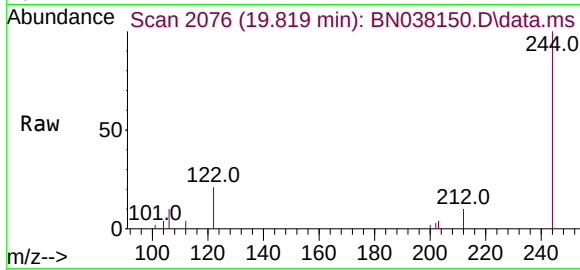




#31
Terphenyl-d14
Concen: 0.510 ng
RT: 19.819 min Scan# 2076
Delta R.T. -0.000 min
Lab File: BN038150.D
Acq: 07 Nov 2025 11:27

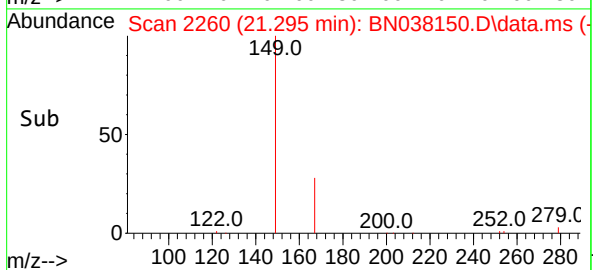
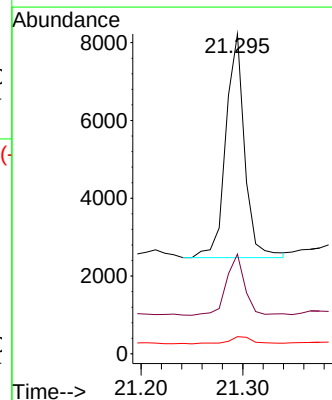
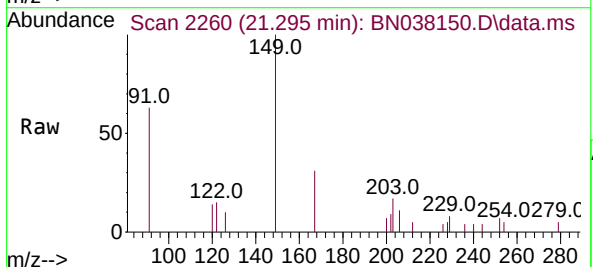
Instrument :
BNA_N
ClientSampleId :
MW-1

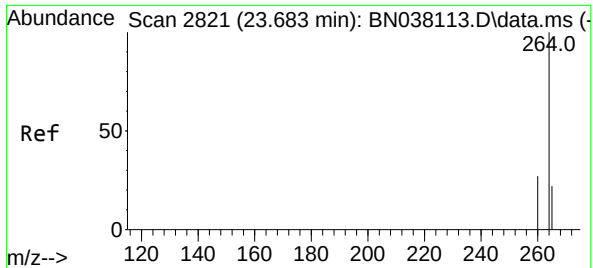
Tgt Ion	Ratio	Lower	Upper
244	100		
212	10.2	7.8	11.6
122	21.5	15.2	22.8



#34
Bis(2-ethylhexyl)phthalate
Concen: 0.146 ng
RT: 21.295 min Scan# 2260
Delta R.T. -0.000 min
Lab File: BN038150.D
Acq: 07 Nov 2025 11:27

Tgt Ion	Ratio	Lower	Upper
149	100		
167	26.5	21.1	31.7
279	4.2	2.9	4.3





#35

Perylene-d12

Concen: 0.400 ng

RT: 23.680 min Scan# 21

Delta R.T. -0.000 min

Lab File: BN038150.D

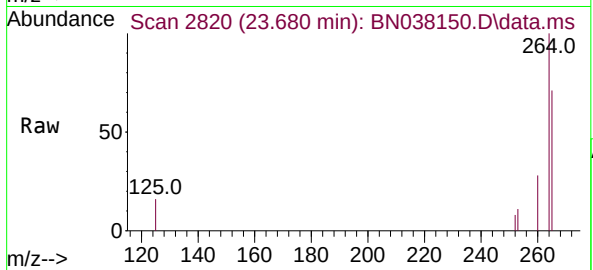
Acq: 07 Nov 2025 11:27

Instrument :

BNA_N

ClientSampleId :

MW-1



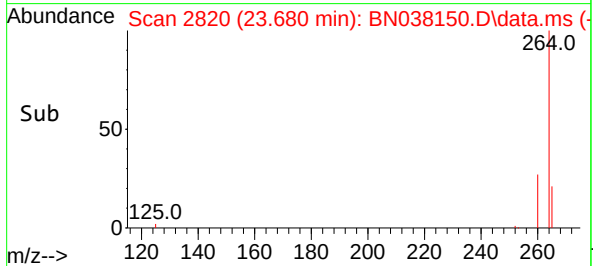
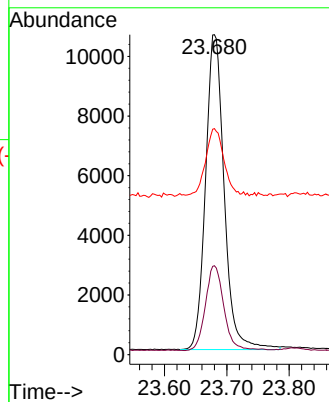
Tgt Ion:264 Resp: 21896

Ion	Ratio	Lower	Upper
-----	-------	-------	-------

264	100		
-----	-----	--	--

260	27.8	21.8	32.8
-----	------	------	------

265	70.6	68.6	102.8
-----	------	------	-------



Report of Analysis

Client:	Remington & Vernick Engineers		Date Collected:	11/03/25
Project:	Edison Landfill		Date Received:	11/04/25
Client Sample ID:	MW-1DL		SDG No.:	Q3534
Lab Sample ID:	Q3534-02DL		Matrix:	Water
Analytical Method:	SW8270ESIM	Level: LOW	% Solid:	0
Sample Wt/Vol:	940 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	73.1	D	30	2.10	6.40	ug/L	11/08/25 01:20	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	0.66	*		30 (27) - 130 (154)	165%	SPK: 0.4		
321-60-8	2-Fluorobiphenyl	0.93	*		30 (30) - 130 (155)	233%	SPK: 0.4		
1718-51-0	Terphenyl-d14	0.69	*		30 (54) - 130 (175)	173%	SPK: 0.4		
INTERNAL STANDARDS		Area Count							
3855-82-1	1,4-Dichlorobenzene-d4	8100							
1146-65-2	Naphthalene-d8	25500							
15067-26-2	Acenaphthene-d10	15000							
1517-22-2	Phenanthrene-d10	26000							
1719-03-5	Chrysene-d12	14800							
1520-96-3	Perylene-d12	14000							

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

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN110725\
 Data File : BN038170.D
 Acq On : 08 Nov 2025 01:20
 Operator : RC/JU
 Sample : Q3534-02DL 30X
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 MW-1DL

Quant Time: Nov 08 03:29:06 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)

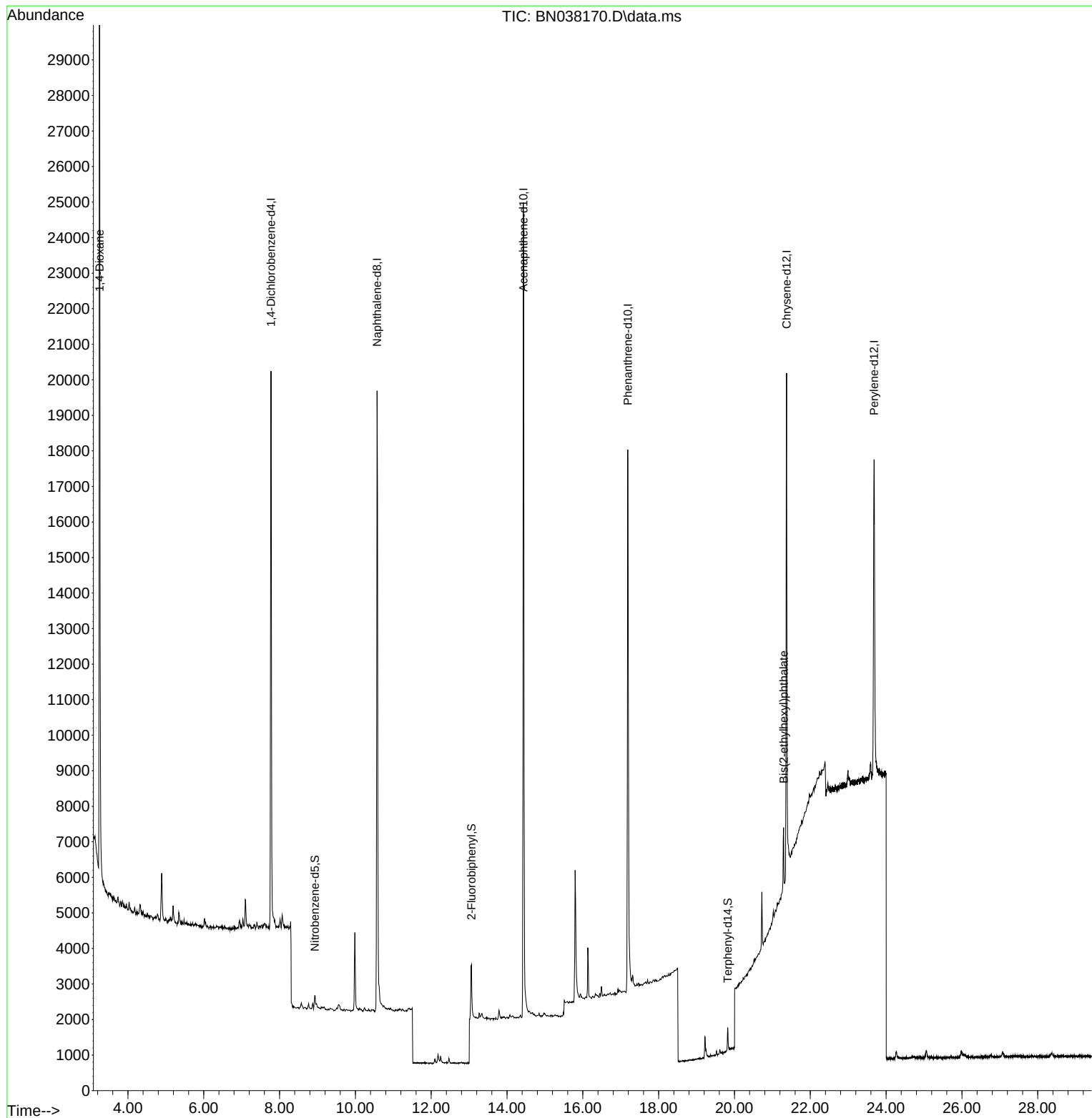
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.775	152	8096	0.400	ng	0.00
7) Naphthalene-d8	10.573	136	25457	0.400	ng	# 0.00
13) Acenaphthene-d10	14.430	164	14977	0.400	ng	0.00
19) Phenanthrene-d10	17.186	188	25954	0.400	ng	0.00
29) Chrysene-d12	21.375	240	14825	0.400	ng	0.00
35) Perylene-d12	23.683	264	13976	0.400	ng	# 0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.348	112	206	0.011	ng	0.00
5) Phenol-d6	6.944	99	228	0.010	ng	0.00
8) Nitrobenzene-d5	8.929	82	456	0.022	ng	0.00
11) 2-Methylnaphthalene-d10	12.182	152	385	0.011	ng	0.00
14) 2,4,6-Tribromophenol	15.932	330	81	0.013	ng	0.00
15) 2-Fluorobiphenyl	13.062	172	1835	0.031	ng	0.01
27) Fluoranthene-d10	19.220	212	761	0.012	ng	0.00
31) Terphenyl-d14	19.824	244	728	0.023	ng	0.00
Target Compounds						
2) 1,4-Dioxane	3.254	88	19144	2.289	ng	100
34) Bis(2-ethylhexyl)phtha...	21.295	149	2038	0.073	ng	93

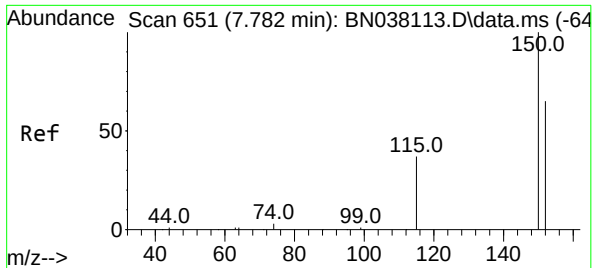
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN110725\
Data File : BN038170.D
Acq On : 08 Nov 2025 01:20
Operator : RC/JU
Sample : Q3534-02DL 30X
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
MW-1DL

Quant Time: Nov 08 03:29:06 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

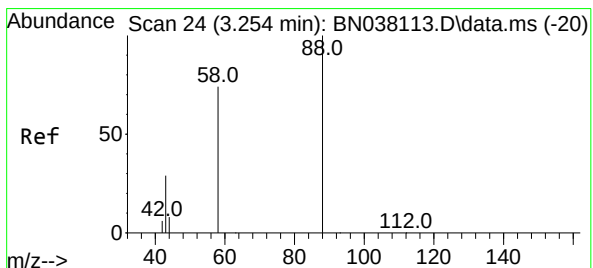
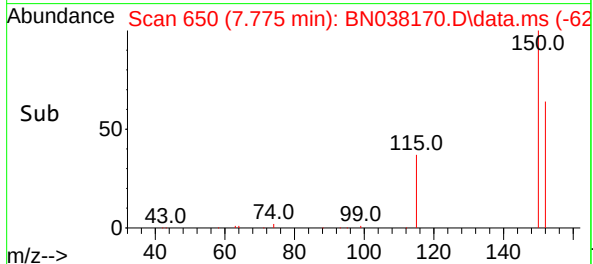
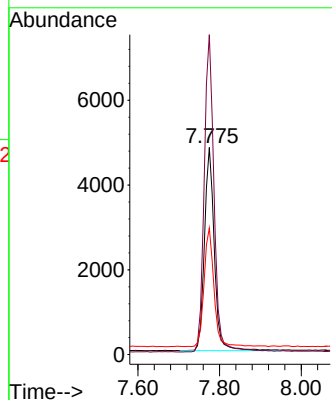
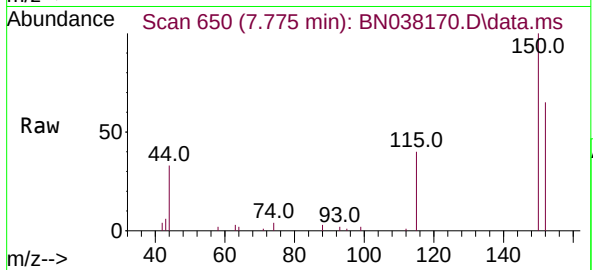




#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.775 min Scan# 61
Delta R.T. -0.000 min
Lab File: BN038170.D
Acq: 08 Nov 2025 01:20

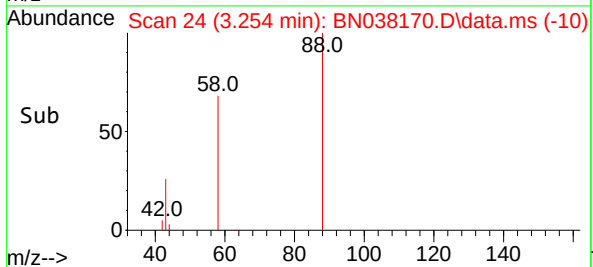
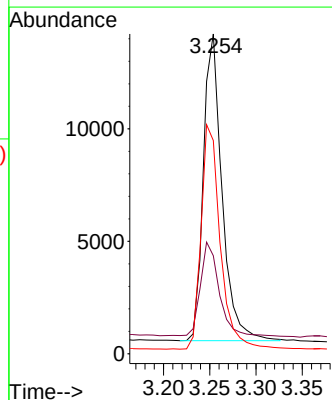
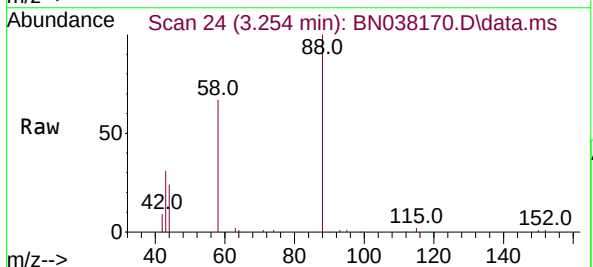
Instrument :
BNA_N
ClientSampleId :
MW-1DL

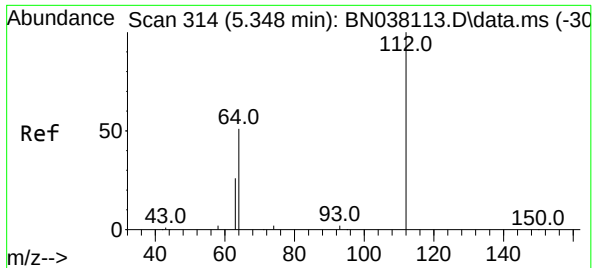
Tgt Ion:152 Resp: 8096
Ion Ratio Lower Upper
152 100
150 154.5 122.3 183.5
115 61.1 47.4 71.0



#2
1,4-Dioxane
Concen: 2.289 ng
RT: 3.254 min Scan# 24
Delta R.T. -0.000 min
Lab File: BN038170.D
Acq: 08 Nov 2025 01:20

Tgt Ion: 88 Resp: 19144
Ion Ratio Lower Upper
88 100
43 30.6 24.3 36.5
58 75.1 60.4 90.6

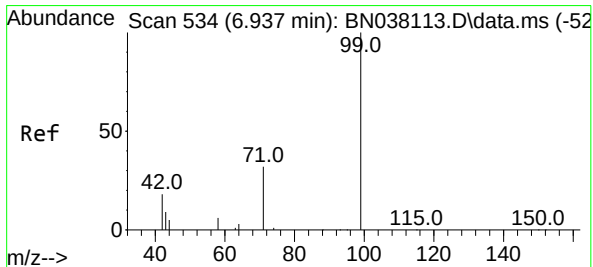
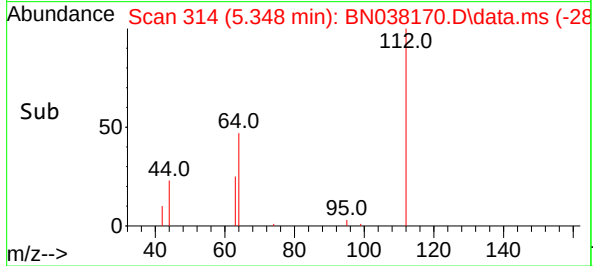
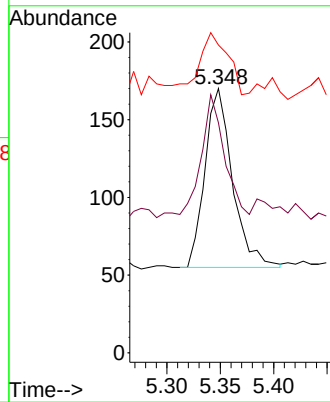
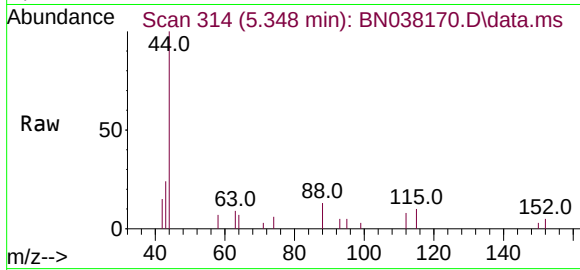




#4
2-Fluorophenol
Concen: 0.011 ng
RT: 5.348 min Scan# 314
Delta R.T. -0.000 min
Lab File: BN038170.D
Acq: 08 Nov 2025 01:20

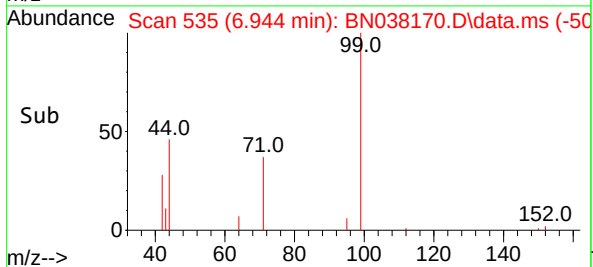
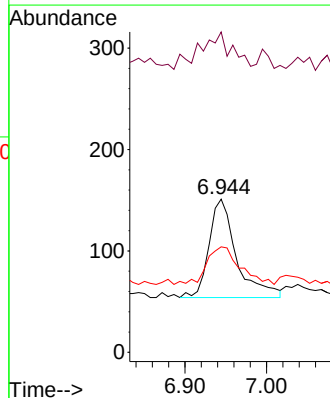
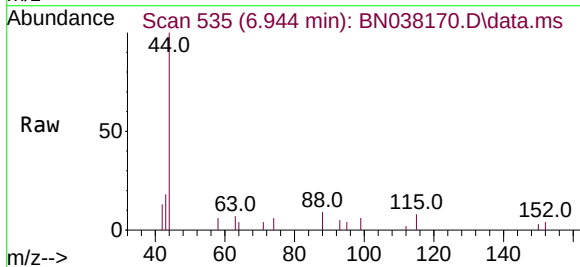
Instrument :
BNA_N
ClientSampleId :
MW-1DL

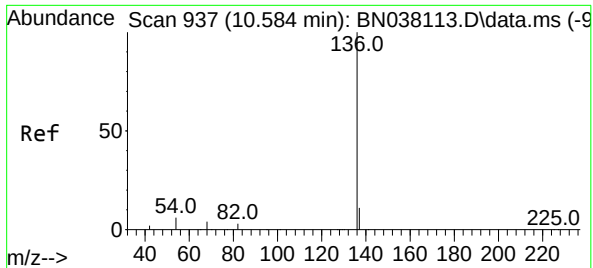
Tgt Ion:112 Resp: 206
Ion Ratio Lower Upper
112 100
64 56.3 45.4 68.0
63 34.5 23.2 34.8



#5
Phenol-d6
Concen: 0.010 ng
RT: 6.944 min Scan# 535
Delta R.T. 0.007 min
Lab File: BN038170.D
Acq: 08 Nov 2025 01:20

Tgt Ion: 99 Resp: 228
Ion Ratio Lower Upper
99 100
42 44.3 16.6 24.8#
71 45.6 25.4 38.2#

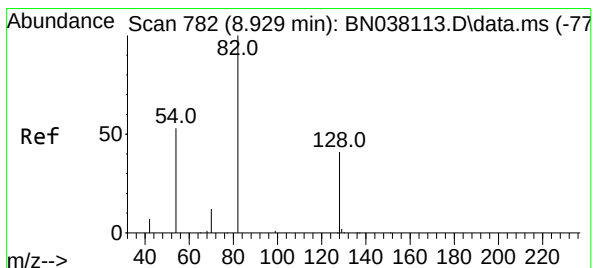
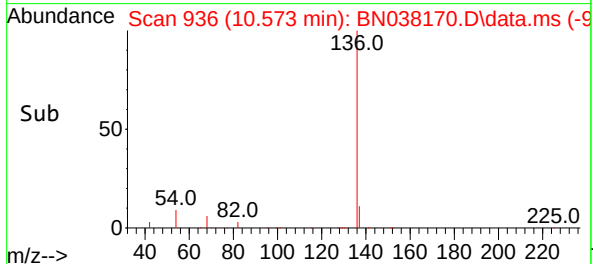
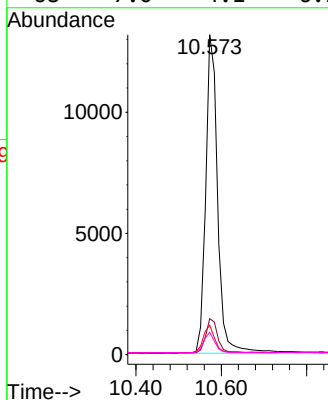
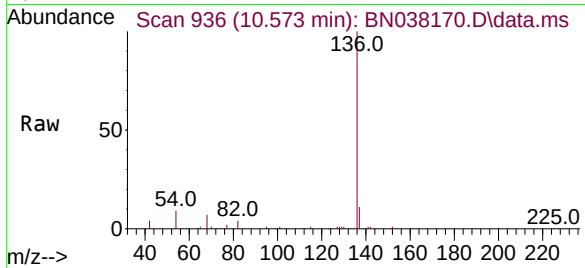




#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.573 min Scan# 937
Delta R.T. -0.000 min
Lab File: BN038170.D
Acq: 08 Nov 2025 01:20

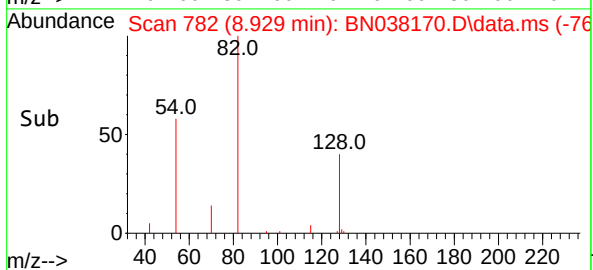
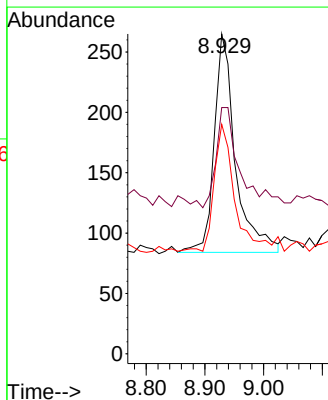
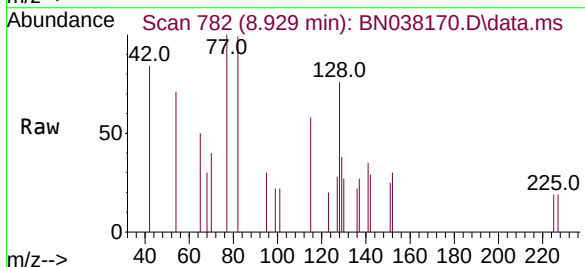
Instrument :
BNA_N
ClientSampleId :
MW-1DL

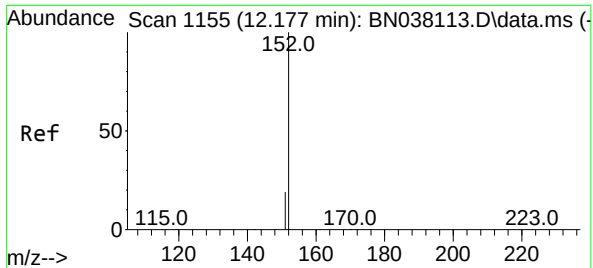
Tgt Ion:	136	Resp:	25457
Ion Ratio	Lower	Upper	
136	100		
137	11.2	9.0	13.4
54	9.2	5.2	7.8#
68	7.0	4.1	6.1#



#8
Nitrobenzene-d5
Concen: 0.022 ng
RT: 8.929 min Scan# 782
Delta R.T. -0.000 min
Lab File: BN038170.D
Acq: 08 Nov 2025 01:20

Tgt Ion:	82	Resp:	456
Ion Ratio	Lower	Upper	
82	100		
128	77.0	34.1	51.1#
54	71.7	43.5	65.3#

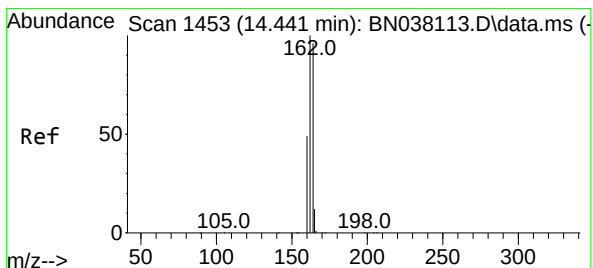
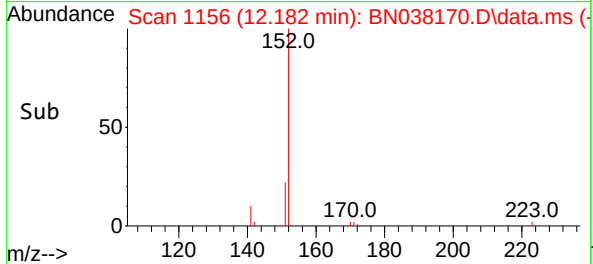
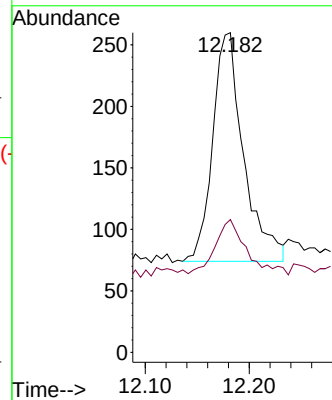
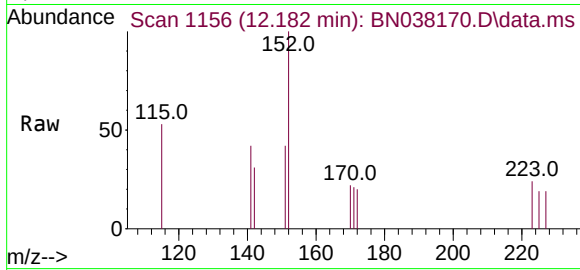




#11
2-Methylnaphthalene-d10
Concen: 0.011 ng
RT: 12.182 min Scan# 1156
Delta R.T. 0.005 min
Lab File: BN038170.D
Acq: 08 Nov 2025 01:20

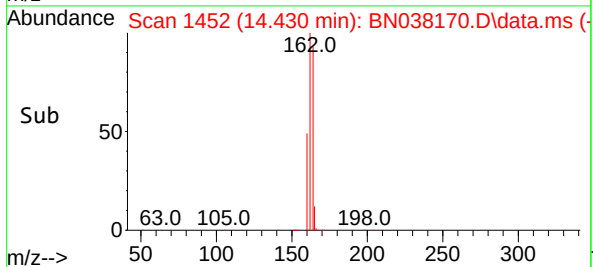
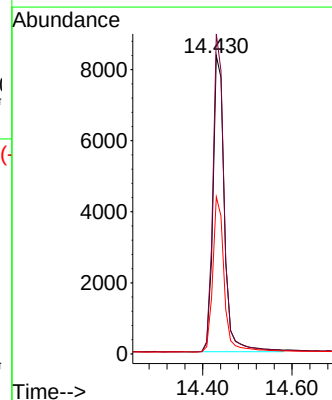
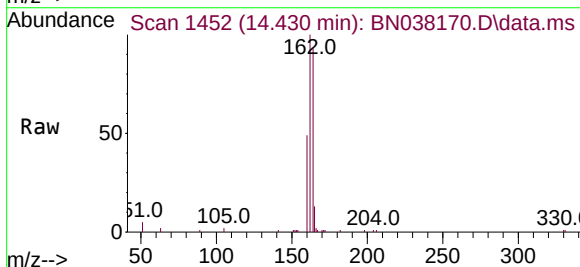
Instrument :
BNA_N
ClientSampleId :
MW-1DL

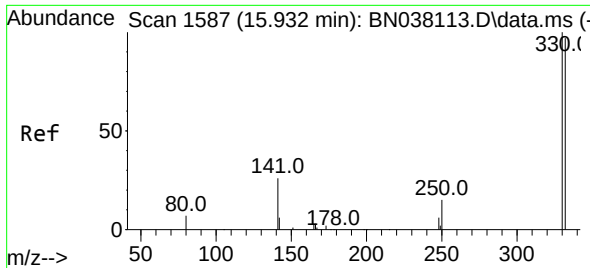
Tgt Ion:152 Resp: 385
Ion Ratio Lower Upper
152 100
151 25.5 16.8 25.2#



#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.430 min Scan# 1452
Delta R.T. -0.000 min
Lab File: BN038170.D
Acq: 08 Nov 2025 01:20

Tgt Ion:164 Resp: 14977
Ion Ratio Lower Upper
164 100
162 107.3 83.0 124.4
160 52.7 40.7 61.1

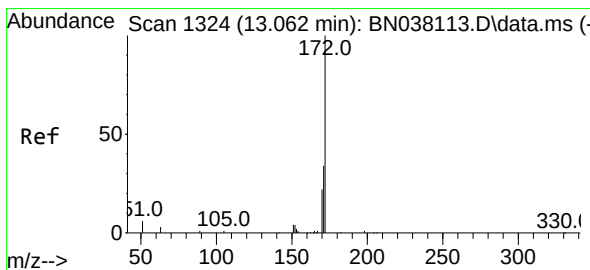
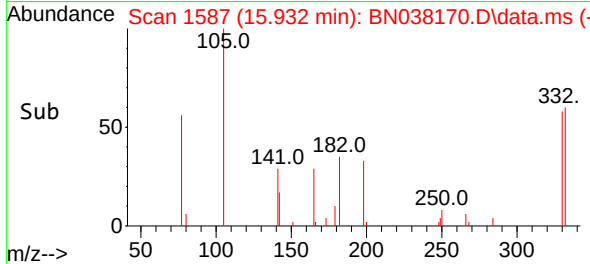
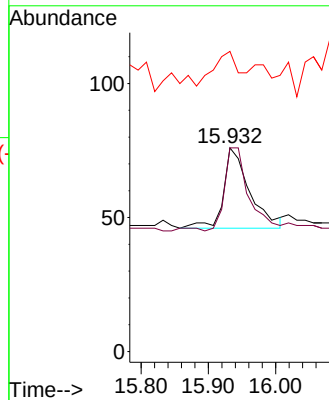
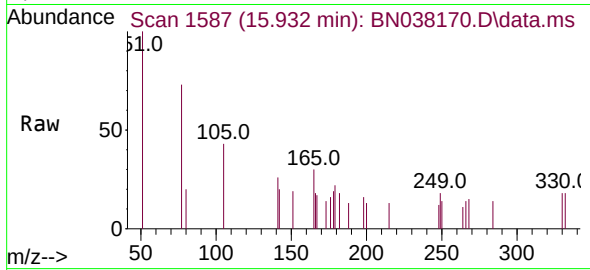




#14
2,4,6-Tribromophenol
Concen: 0.013 ng
RT: 15.932 min Scan# 1587
Delta R.T. 0.000 min
Lab File: BN038170.D
Acq: 08 Nov 2025 01:20

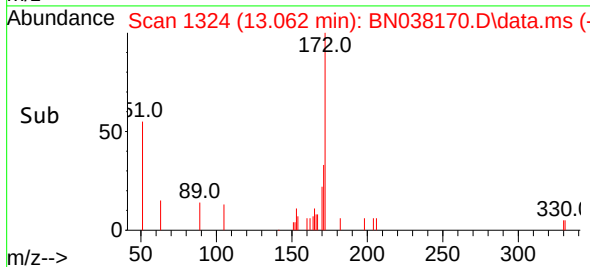
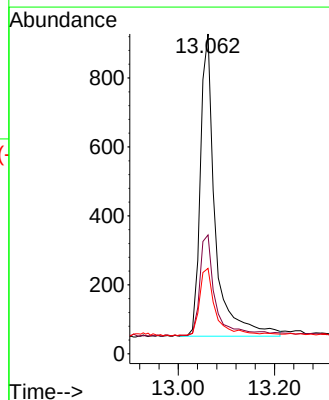
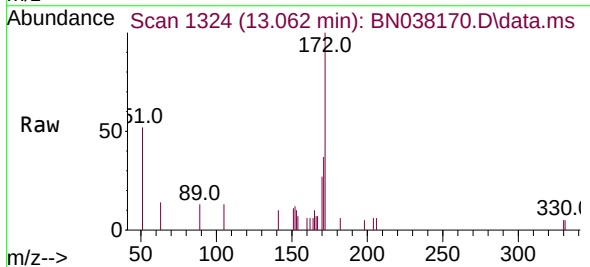
Instrument :
BNA_N
ClientSampleId :
MW-1DL

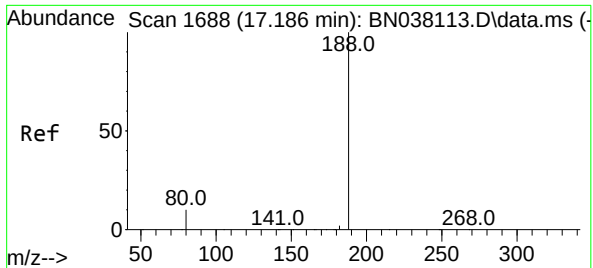
Tgt Ion:330 Resp: 81
Ion Ratio Lower Upper
330 100
332 104.9 76.6 114.8
141 40.7 34.1 51.1



#15
2-Fluorobiphenyl
Concen: 0.031 ng
RT: 13.062 min Scan# 1324
Delta R.T. 0.011 min
Lab File: BN038170.D
Acq: 08 Nov 2025 01:20

Tgt Ion:172 Resp: 1835
Ion Ratio Lower Upper
172 100
171 37.2 27.8 41.6
170 26.7 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: BN038170.D

Acq: 08 Nov 2025 01:20

Instrument :

BNA_N

ClientSampleId :

MW-1DL

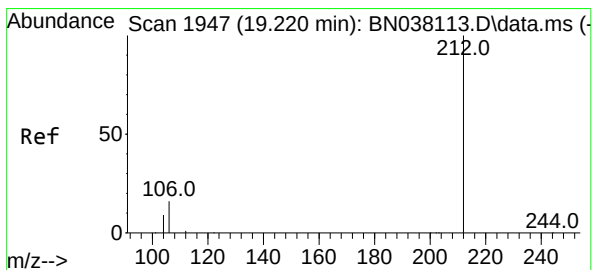
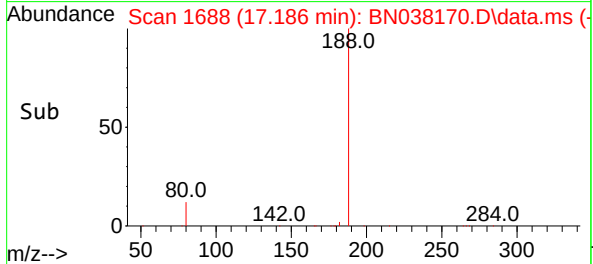
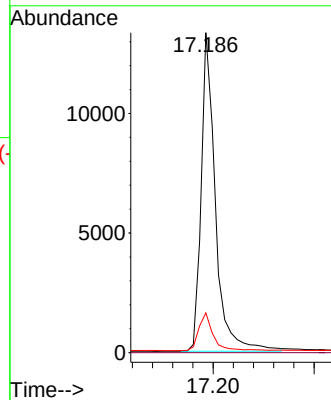
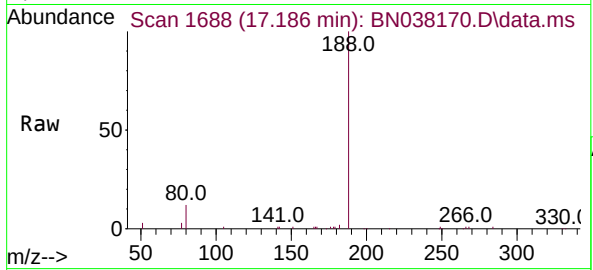
Tgt Ion:188 Resp: 25954

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

80 12.4 8.6 13.0



#27

Fluoranthene-d10

Concen: 0.012 ng

RT: 19.220 min Scan# 1947

Delta R.T. -0.000 min

Lab File: BN038170.D

Acq: 08 Nov 2025 01:20

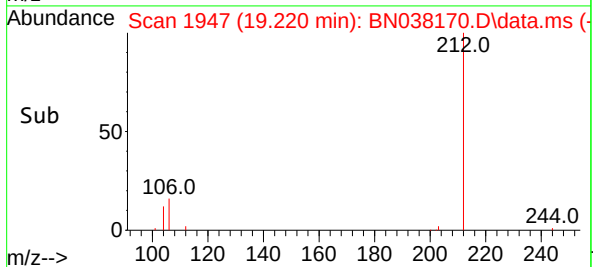
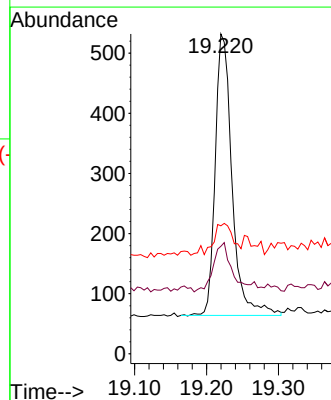
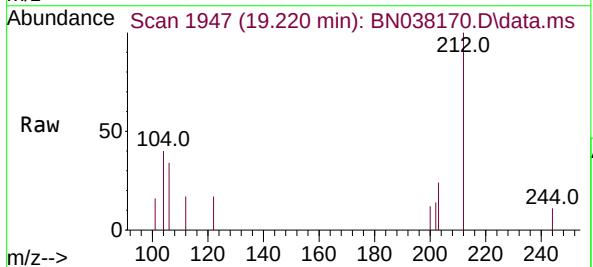
Tgt Ion:212 Resp: 761

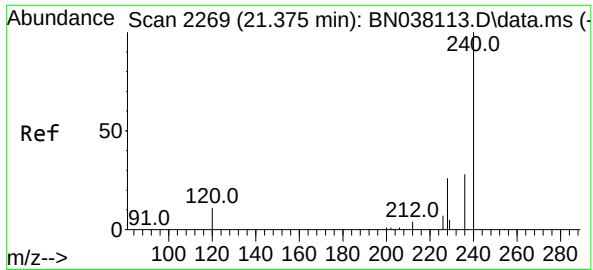
Ion Ratio Lower Upper

212 100

106 18.9 12.6 19.0

104 12.2 7.1 10.7#

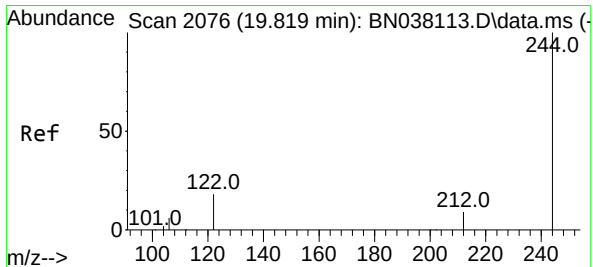
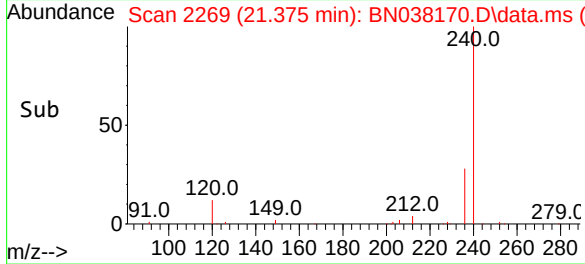
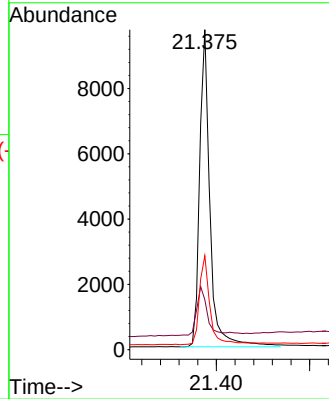
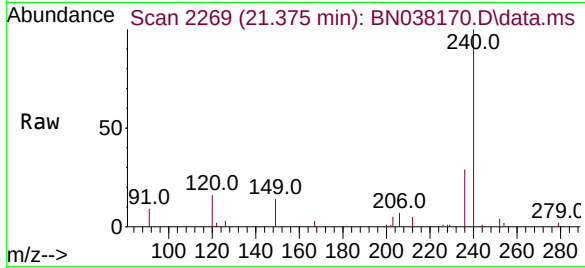




#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.375 min Scan# 21
Delta R.T. -0.000 min
Lab File: BN038170.D
Acq: 08 Nov 2025 01:20

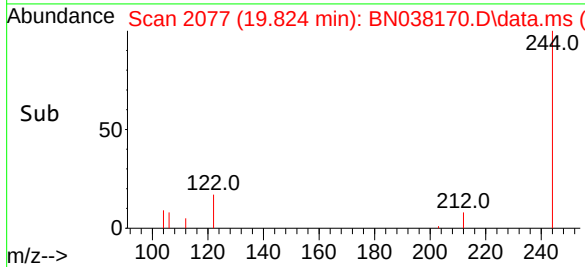
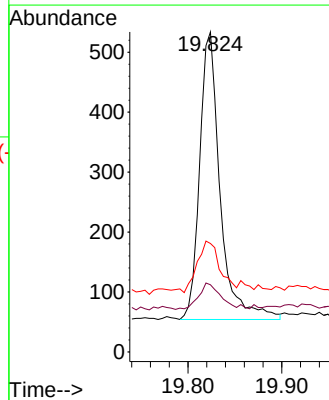
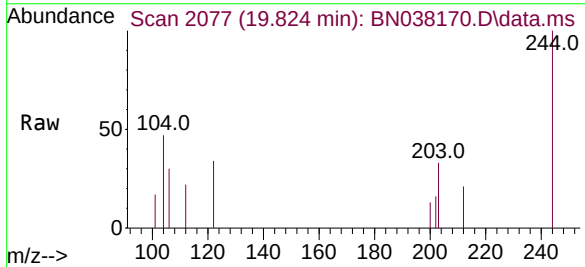
Instrument :
BNA_N
ClientSampleId :
MW-1DL

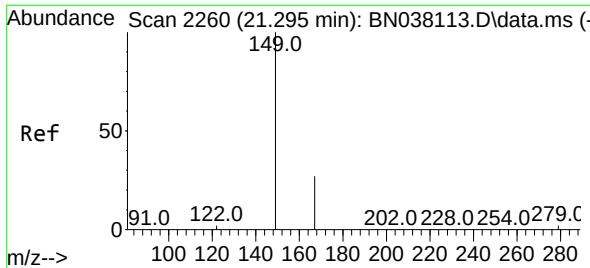
Tgt Ion:	240	Resp:	14825
Ion Ratio	Lower	Upper	
240	100		
120	15.6	10.7	16.1
236	29.4	23.1	34.7



#31
Terphenyl-d14
Concen: 0.023 ng
RT: 19.824 min Scan# 2077
Delta R.T. 0.005 min
Lab File: BN038170.D
Acq: 08 Nov 2025 01:20

Tgt Ion:	244	Resp:	728
Ion Ratio	Lower	Upper	
244	100		
212	21.0	7.8	11.6#
122	33.9	15.2	22.8#

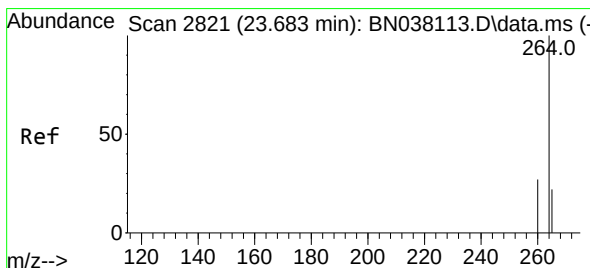
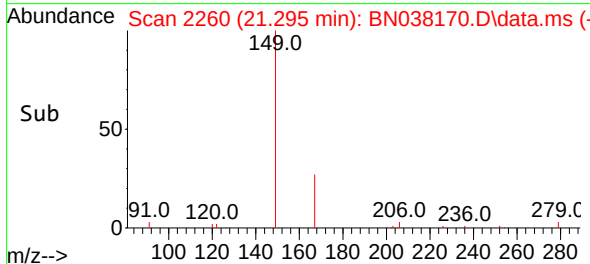
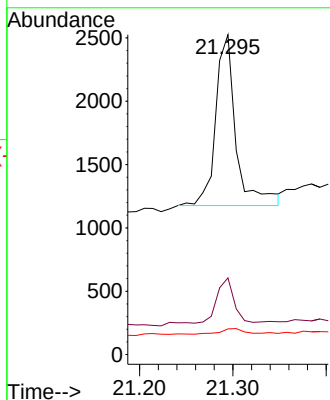
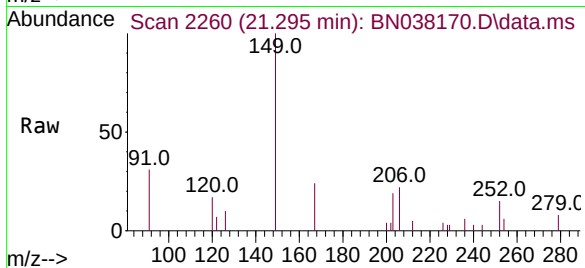




#34
 Bis(2-ethylhexyl)phthalate
 Concen: 0.073 ng
 RT: 21.295 min Scan# 21
 Delta R.T. -0.000 min
 Lab File: BN038170.D
 Acq: 08 Nov 2025 01:20

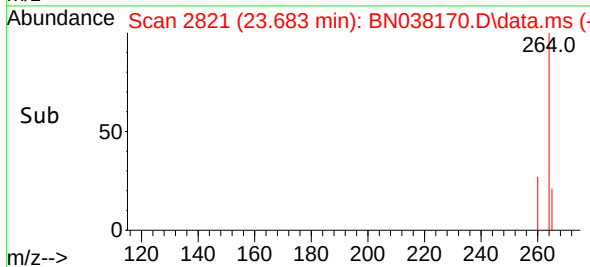
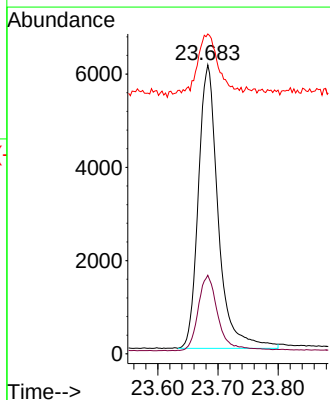
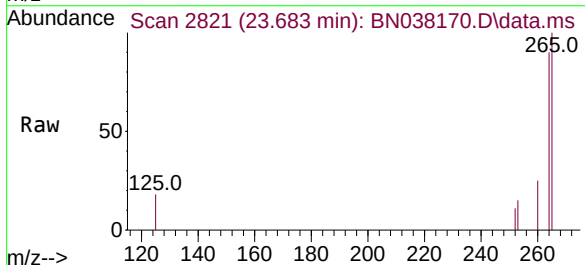
Instrument :
 BNA_N
 ClientSampleId :
 MW-1DL

Tgt Ion:149 Resp: 2038
 Ion Ratio Lower Upper
 149 100
 167 22.3 21.1 31.7
 279 3.6 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: BN038170.D
 Acq: 08 Nov 2025 01:20

Tgt Ion:264 Resp: 13976
 Ion Ratio Lower Upper
 264 100
 260 27.2 21.8 32.8
 265 110.7 68.6 102.8#





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

Report of Analysis

Client:	Remington & Vernick Engineers		Date Collected:	11/03/25
Project:	Edison Landfill		Date Received:	11/04/25
Client Sample ID:	MW-11		SDG No.:	Q3534
Lab Sample ID:	Q3534-03		Matrix:	Water
Analytical Method:	SW8270ESIM	Level: LOW	% Solid:	0
Sample Wt/Vol:	980 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	5.20	E	1	0.070	0.20	ug/L	11/07/25 12:04	PB170427
SURROGATES									
7297-45-2	2-Methylnaphthalene-d10	0.33			30 (20) - 150 (139)	81%	SPK: 0.4		
93951-69-0	Fluoranthene-d10	0.35			30 (54) - 150 (157)	88%	SPK: 0.4		
4165-60-0	Nitrobenzene-d5	0.35			30 (27) - 130 (154)	88%	SPK: 0.4		
321-60-8	2-Fluorobiphenyl	0.37			30 (30) - 130 (155)	91%	SPK: 0.4		
1718-51-0	Terphenyl-d14	0.55	*		30 (54) - 130 (175)	138%	SPK: 0.4		
INTERNAL STANDARDS		Area Count							
3855-82-1	1,4-Dichlorobenzene-d4	11100							
1146-65-2	Naphthalene-d8	33200							
15067-26-2	Acenaphthene-d10	19200							
1517-22-2	Phenanthrene-d10	36500							
1719-03-5	Chrysene-d12	22600							
1520-96-3	Perylene-d12	19300							

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

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN110725\
 Data File : BN038151.D
 Acq On : 07 Nov 2025 12:04
 Operator : RC/JU
 Sample : Q3534-03
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 MW-11

Quant Time: Nov 07 12:27:37 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)

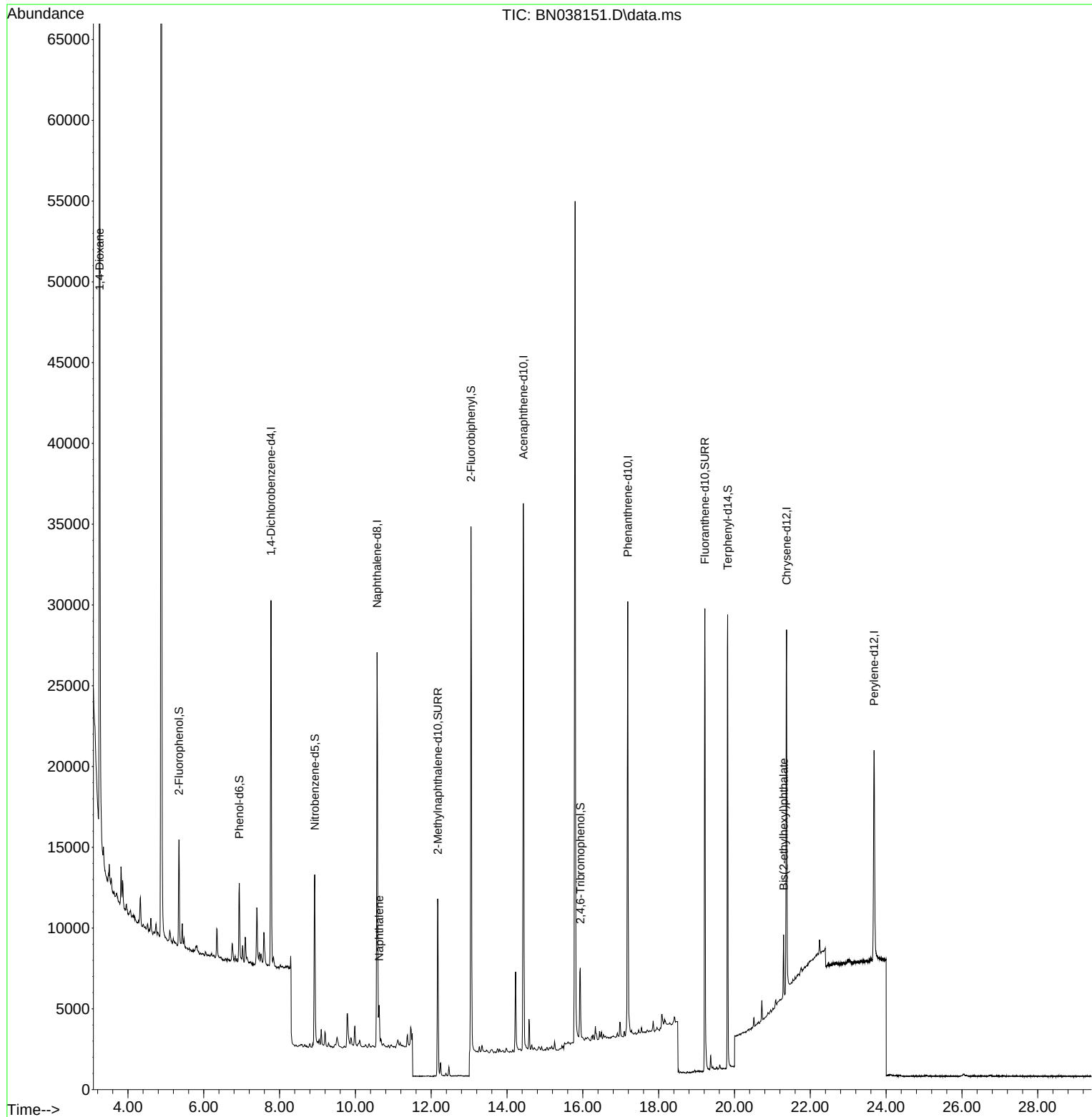
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.775	152	11126	0.400	ng	0.00
7) Naphthalene-d8	10.573	136	33175	0.400	ng	# 0.00
13) Acenaphthene-d10	14.430	164	19180	0.400	ng	0.00
19) Phenanthrene-d10	17.186	188	36543	0.400	ng	0.00
29) Chrysene-d12	21.375	240	22615	0.400	ng	0.00
35) Perylene-d12	23.683	264	19271	0.400	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.348	112	5309	0.203	ng	0.00
5) Phenol-d6	6.937	99	4698	0.147	ng	0.00
8) Nitrobenzene-d5	8.929	82	9443	0.353	ng	0.00
11) 2-Methylnaphthalene-d10	12.172	152	15411	0.325	ng	0.00
14) 2,4,6-Tribromophenol	15.932	330	2834	0.359	ng	0.00
15) 2-Fluorobiphenyl	13.051	172	28051	0.365	ng	0.00
27) Fluoranthene-d10	19.220	212	32559	0.353	ng	0.00
31) Terphenyl-d14	19.819	244	27148	0.553	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.254	88	58744	5.110	ng	98
9) Naphthalene	10.626	128	3348	0.037	ng	# 90
34) Bis(2-ethylhexyl)phtha...	21.295	149	3628	0.085	ng	99

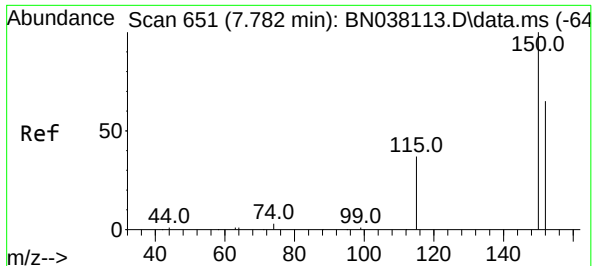
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN110725\
Data File : BN038151.D
Acq On : 07 Nov 2025 12:04
Operator : RC/JU
Sample : Q3534-03
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
MW-11

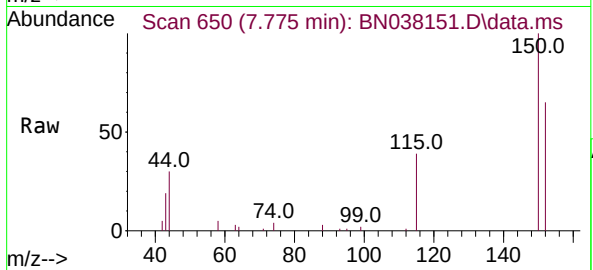
Quant Time: Nov 07 12:27:37 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN102825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Oct 29 13:09:46 2025
Response via : Initial Calibration



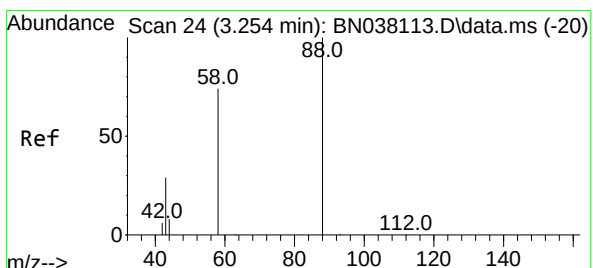
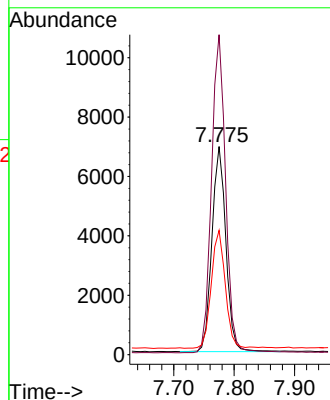
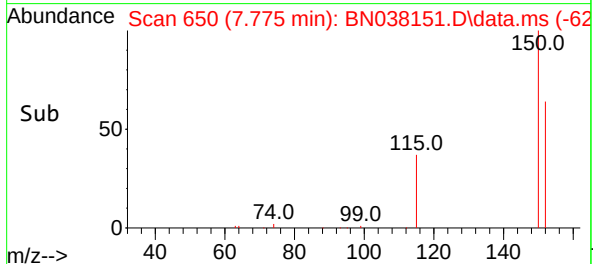


#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.775 min Scan# 61
Delta R.T. -0.000 min
Lab File: BN038151.D
Acq: 07 Nov 2025 12:04

Instrument :
BNA_N
ClientSampleId :
MW-11

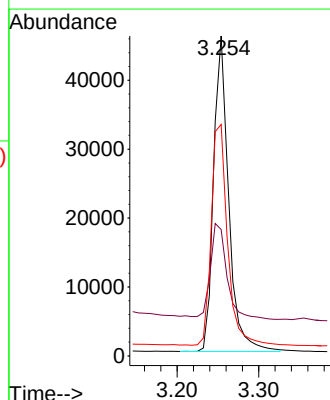
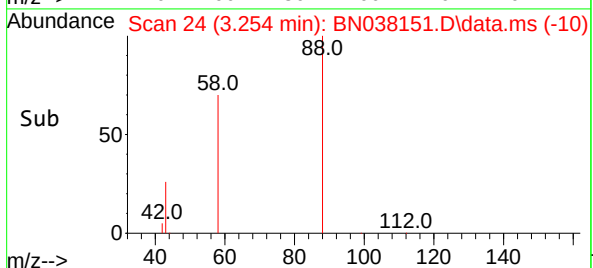
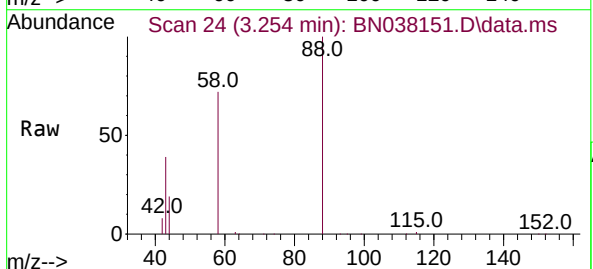


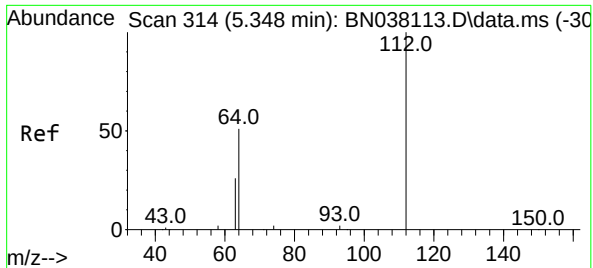
Tgt Ion:152 Resp: 11126
Ion Ratio Lower Upper
152 100
150 153.7 122.3 183.5
115 59.7 47.4 71.0



#2
1,4-Dioxane
Concen: 5.110 ng
RT: 3.254 min Scan# 24
Delta R.T. 0.000 min
Lab File: BN038151.D
Acq: 07 Nov 2025 12:04

Tgt Ion: 88 Resp: 58744
Ion Ratio Lower Upper
88 100
43 33.5 24.3 36.5
58 75.7 60.4 90.6

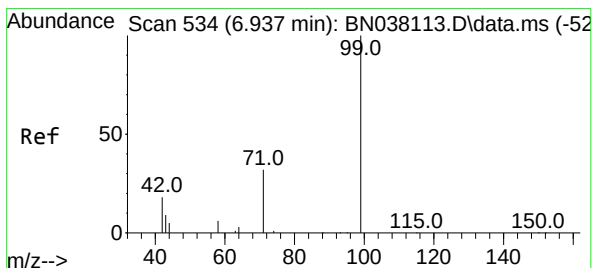
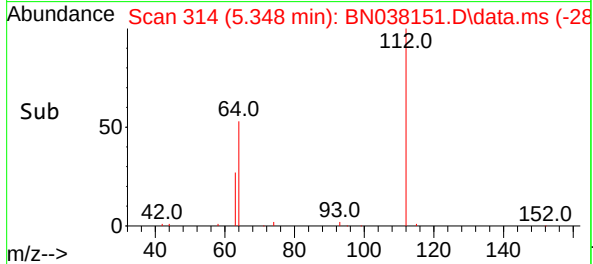
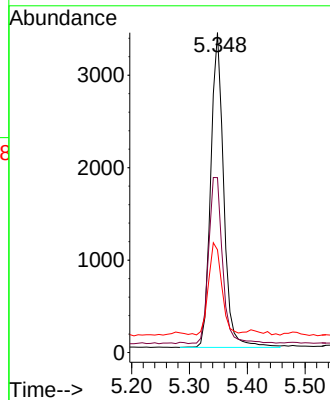
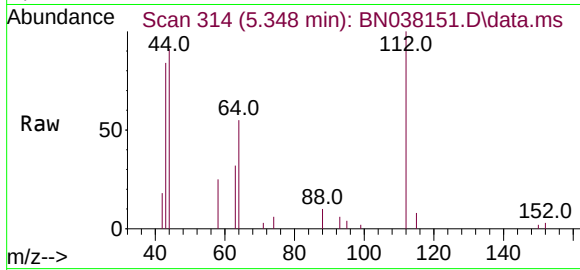




#4
2-Fluorophenol
Concen: 0.203 ng
RT: 5.348 min Scan# 314
Delta R.T. 0.000 min
Lab File: BN038151.D
Acq: 07 Nov 2025 12:04

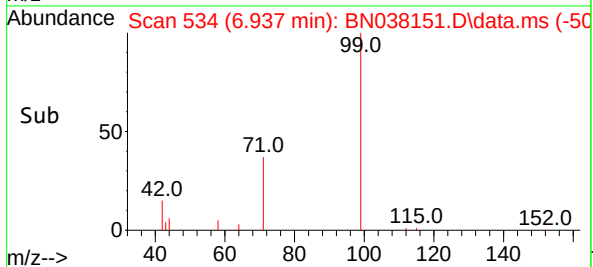
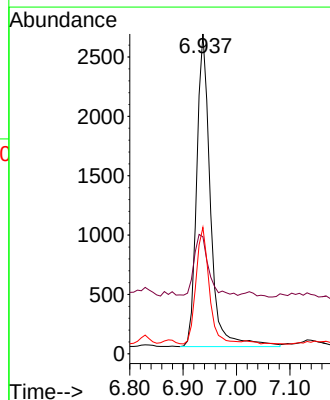
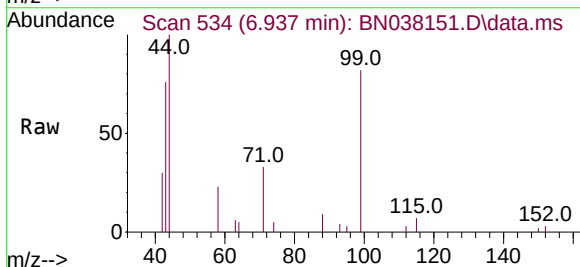
Instrument :
BNA_N
ClientSampleId :
MW-11

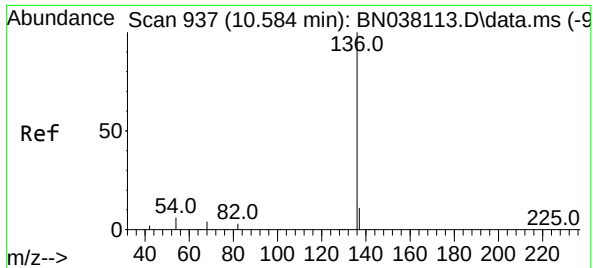
Tgt Ion	Ratio	Lower	Upper
112	100		
64	56.8	45.4	68.0
63	30.7	23.2	34.8



#5
Phenol-d6
Concen: 0.147 ng
RT: 6.937 min Scan# 534
Delta R.T. 0.000 min
Lab File: BN038151.D
Acq: 07 Nov 2025 12:04

Tgt Ion	Ratio	Lower	Upper
99	100		
42	20.3	16.6	24.8
71	35.9	25.4	38.2

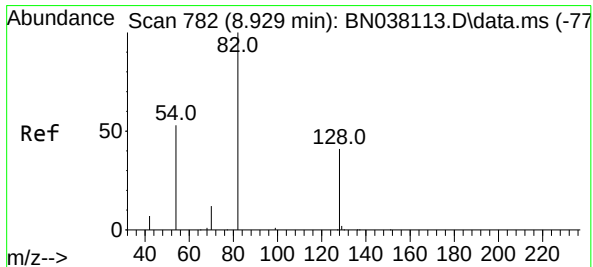
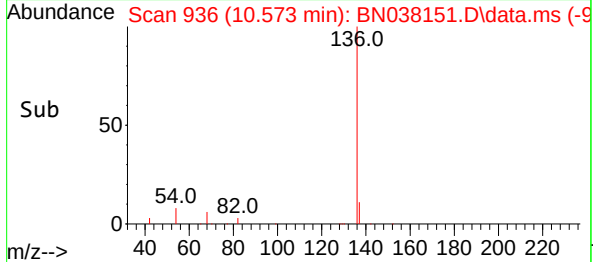
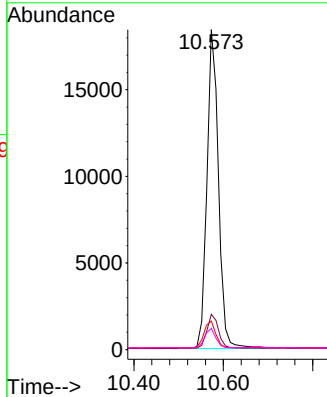
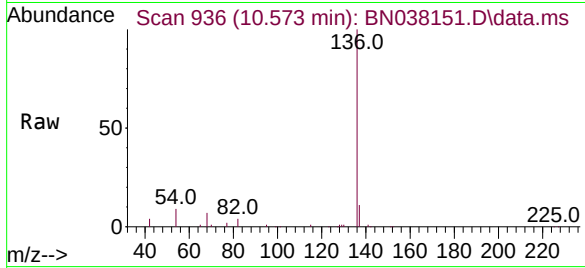




#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.573 min Scan# 937
Delta R.T. -0.000 min
Lab File: BN038151.D
Acq: 07 Nov 2025 12:04

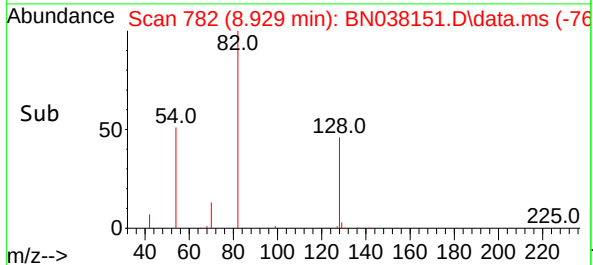
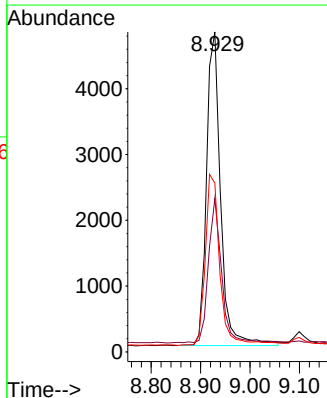
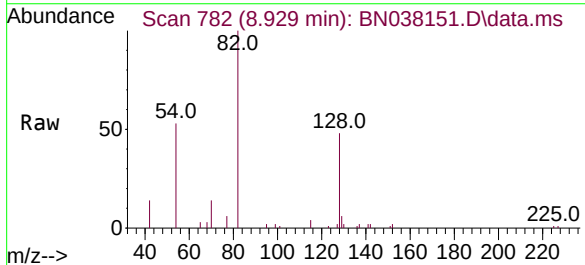
Instrument :
BNA_N
ClientSampleId :
MW-11

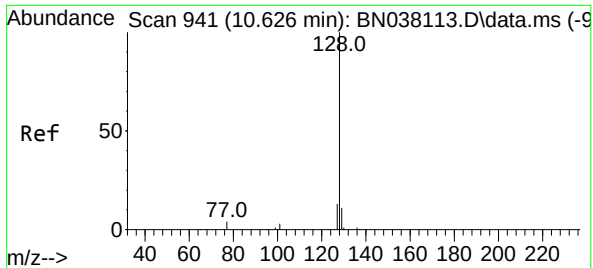
Tgt Ion:	136	Resp:	33175
Ion	Ratio	Lower	Upper
136	100		
137	11.0	9.0	13.4
54	8.9	5.2	7.8#
68	6.6	4.1	6.1#



#8
Nitrobenzene-d5
Concen: 0.353 ng
RT: 8.929 min Scan# 782
Delta R.T. 0.000 min
Lab File: BN038151.D
Acq: 07 Nov 2025 12:04

Tgt Ion:	82	Resp:	9443
Ion	Ratio	Lower	Upper
82	100		
128	47.9	34.1	51.1
54	52.8	43.5	65.3

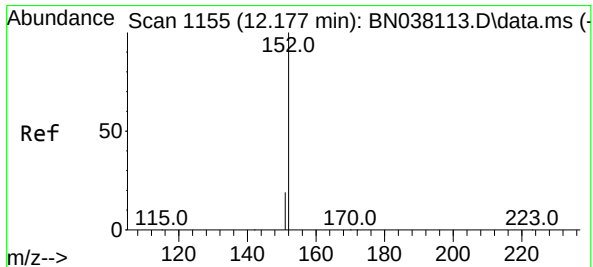
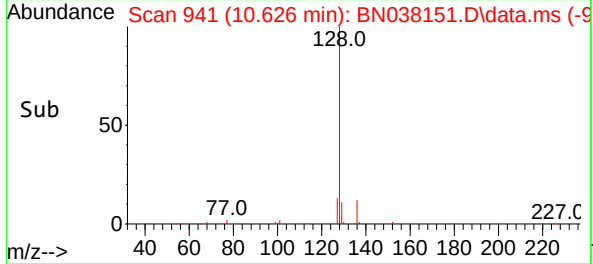
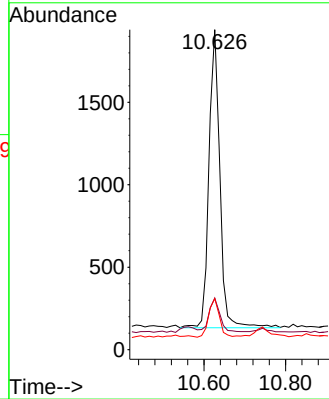
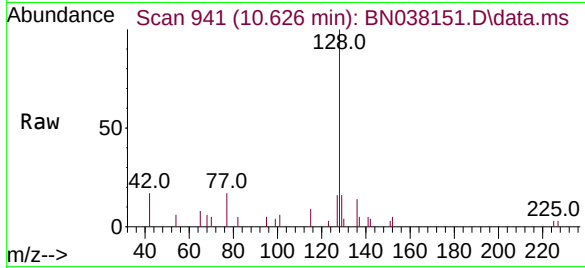




#9
Naphthalene
Concen: 0.037 ng
RT: 10.626 min Scan# 941
Delta R.T. -0.000 min
Lab File: BN038151.D
Acq: 07 Nov 2025 12:04

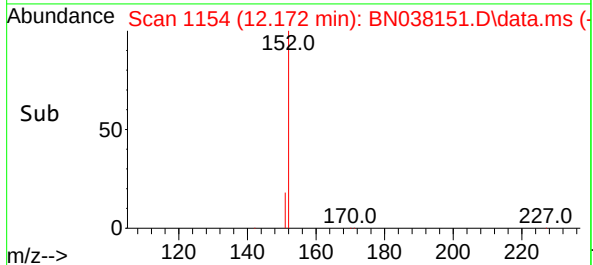
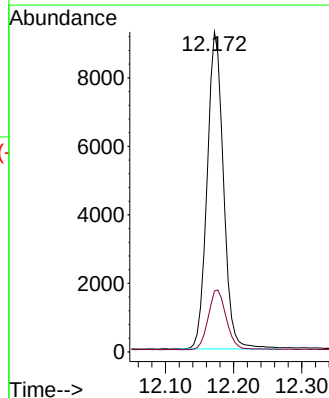
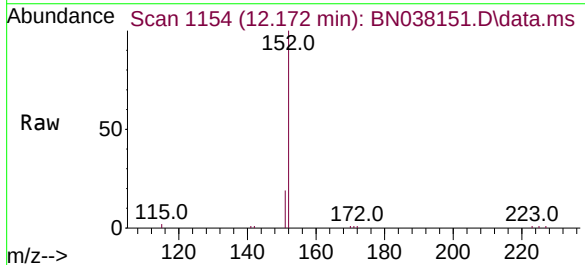
Instrument :
BNA_N
ClientSampleId :
MW-11

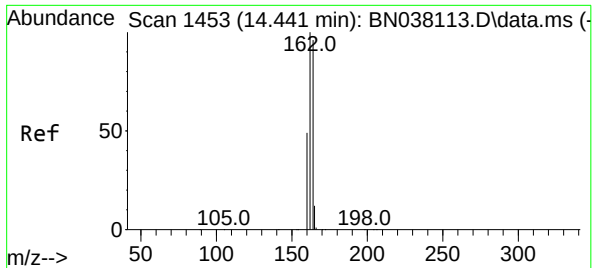
Tgt Ion:128 Resp: 3348
Ion Ratio Lower Upper
128 100
129 16.1 9.1 13.7#
127 15.9 10.5 15.7#



#11
2-Methylnaphthalene-d10
Concen: 0.325 ng
RT: 12.172 min Scan# 1154
Delta R.T. -0.005 min
Lab File: BN038151.D
Acq: 07 Nov 2025 12:04

Tgt Ion:152 Resp: 15411
Ion Ratio Lower Upper
152 100
151 21.0 16.8 25.2

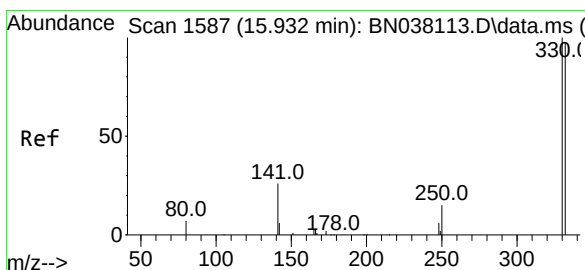
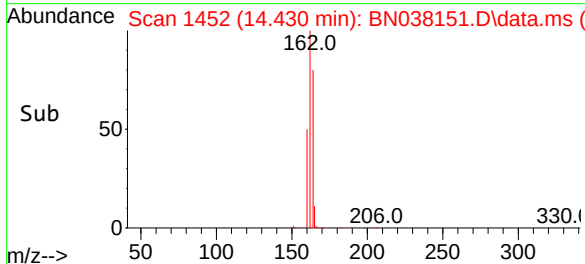
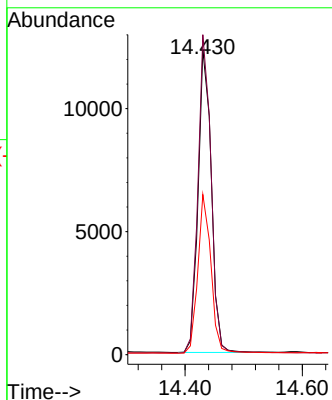
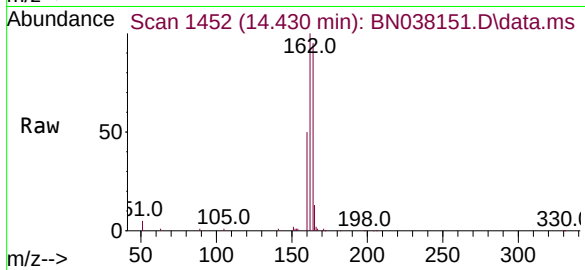




#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.430 min Scan# 1453
Delta R.T. -0.000 min
Lab File: BN038151.D
Acq: 07 Nov 2025 12:04

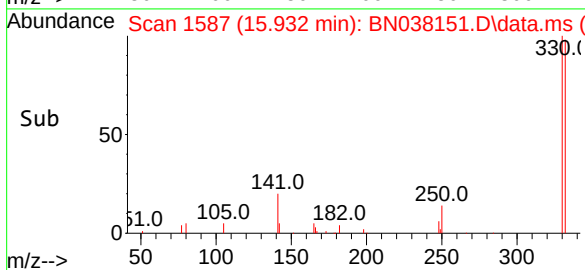
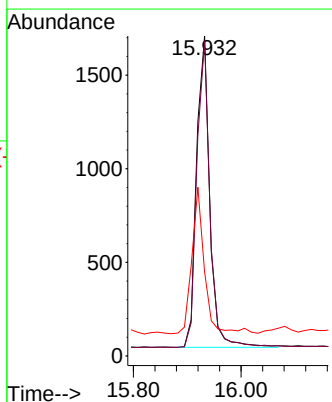
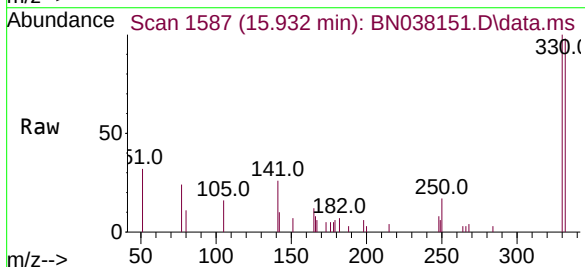
Instrument :
BNA_N
ClientSampleId :
MW-11

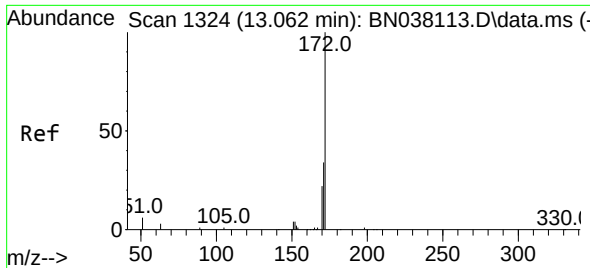
Tgt Ion:164 Resp: 19180
Ion Ratio Lower Upper
164 100
162 105.0 83.0 124.4
160 52.5 40.7 61.1



#14
2,4,6-Tribromophenol
Concen: 0.359 ng
RT: 15.932 min Scan# 1587
Delta R.T. 0.000 min
Lab File: BN038151.D
Acq: 07 Nov 2025 12:04

Tgt Ion:330 Resp: 2834
Ion Ratio Lower Upper
330 100
332 97.9 76.6 114.8
141 43.6 34.1 51.1

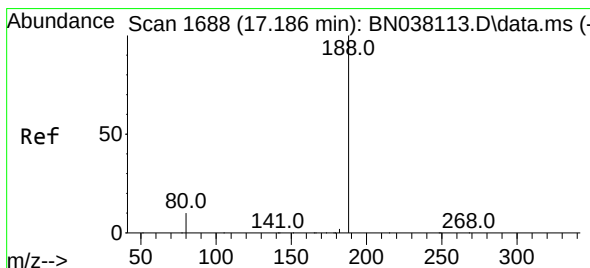
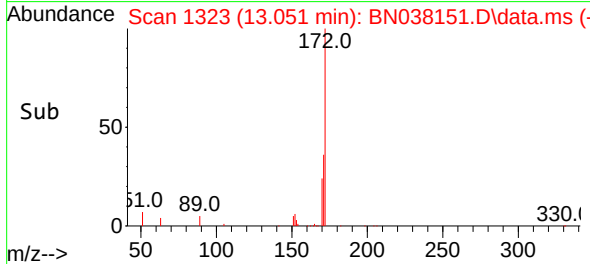
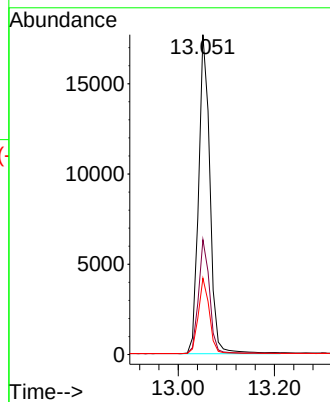
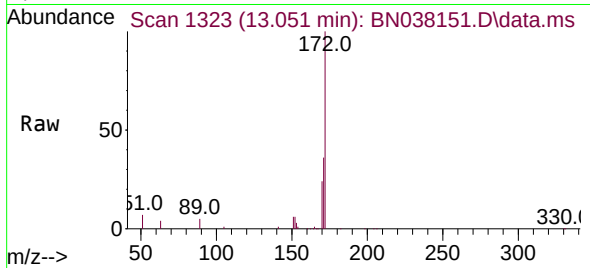




#15
2-Fluorobiphenyl
Concen: 0.365 ng
RT: 13.051 min Scan# 1324
Delta R.T. 0.000 min
Lab File: BN038151.D
Acq: 07 Nov 2025 12:04

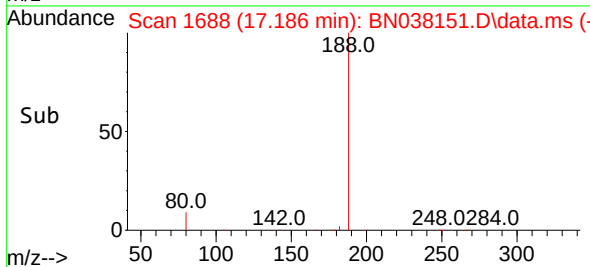
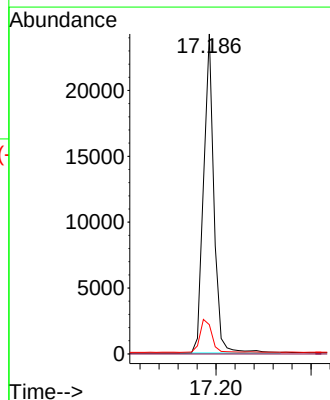
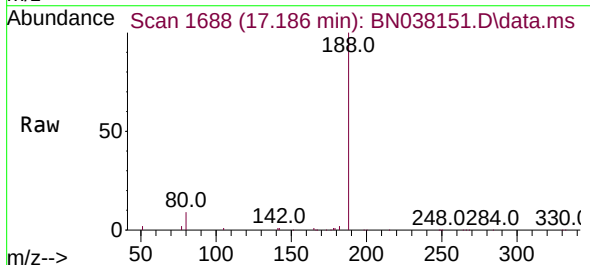
Instrument :
BNA_N
ClientSampleId :
MW-11

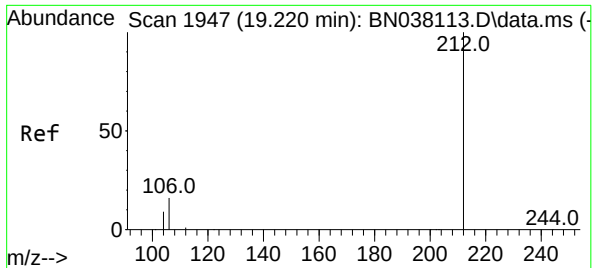
Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.9	27.8	41.6
170	23.9	18.1	27.1



#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.186 min Scan# 1688
Delta R.T. -0.000 min
Lab File: BN038151.D
Acq: 07 Nov 2025 12:04

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

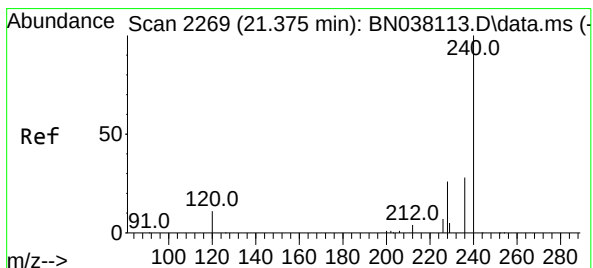
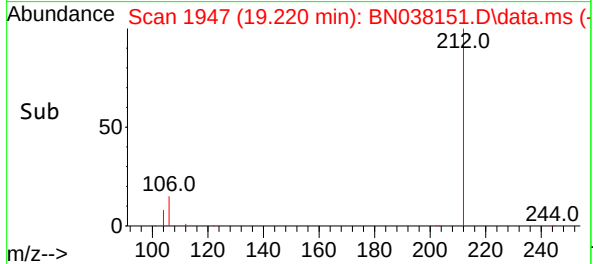
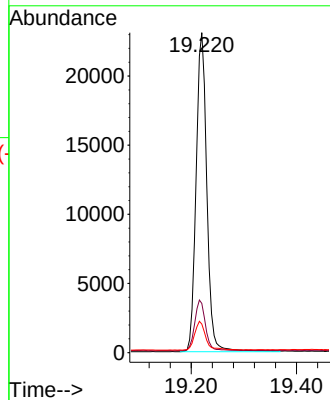
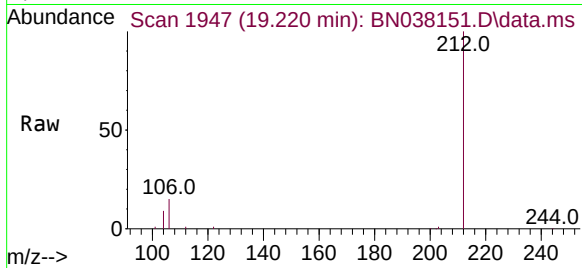




#27
Fluoranthene-d10
Concen: 0.353 ng
RT: 19.220 min Scan# 1947
Delta R.T. -0.000 min
Lab File: BN038151.D
Acq: 07 Nov 2025 12:04

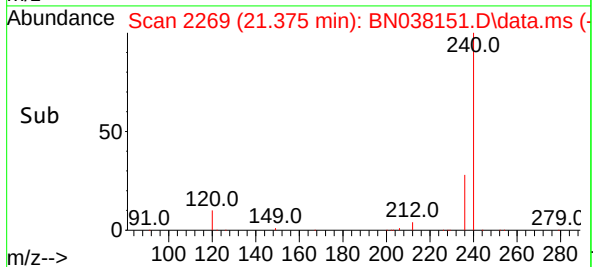
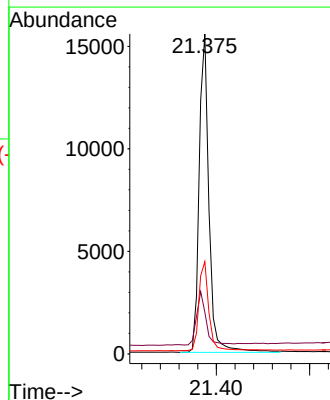
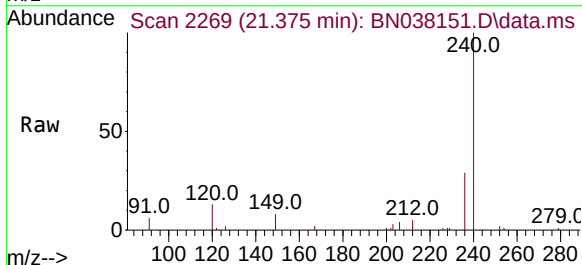
Instrument :
BNA_N
ClientSampleId :
MW-11

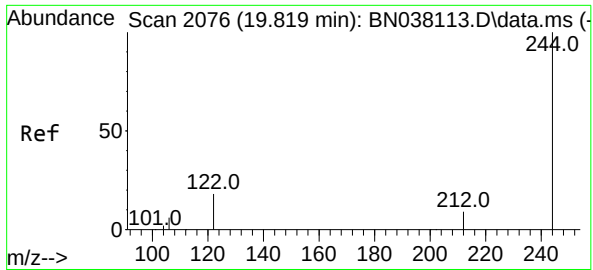
Tgt Ion	Ratio	Lower	Upper
212	100		
106	16.0	12.6	19.0
104	9.4	7.1	10.7



#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.375 min Scan# 2269
Delta R.T. -0.000 min
Lab File: BN038151.D
Acq: 07 Nov 2025 12:04

Tgt Ion	Ratio	Lower	Upper
240	100		
120	13.0	10.7	16.1
236	28.8	23.1	34.7

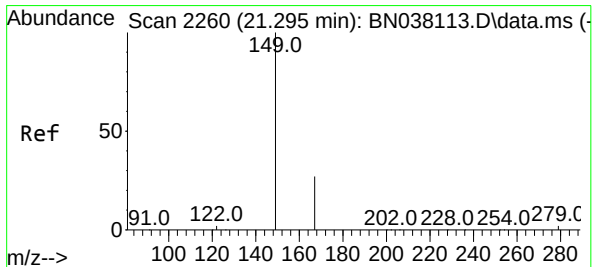
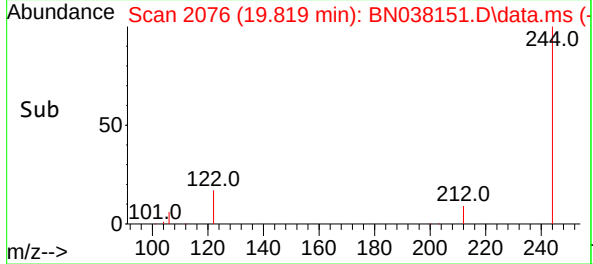
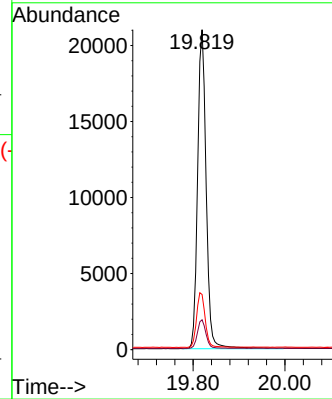
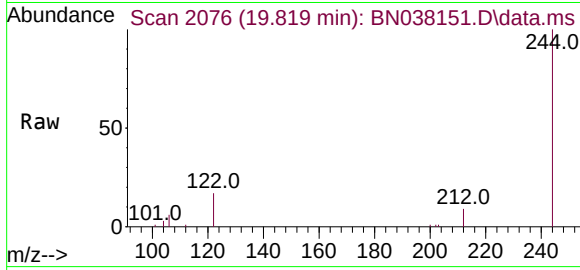




#31
Terphenyl-d14
Concen: 0.553 ng
RT: 19.819 min Scan# 2076
Delta R.T. 0.000 min
Lab File: BN038151.D
Acq: 07 Nov 2025 12:04

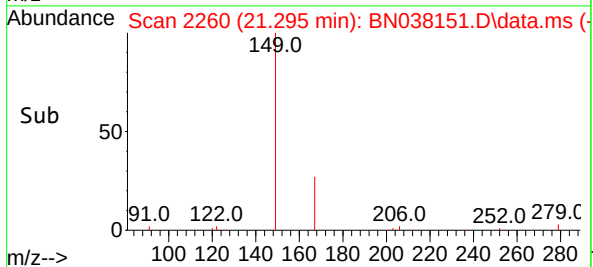
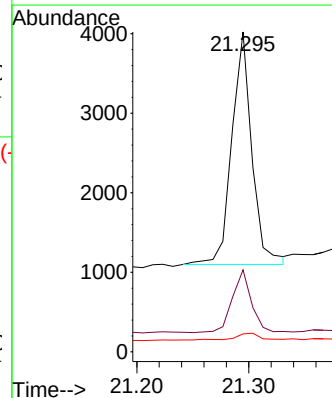
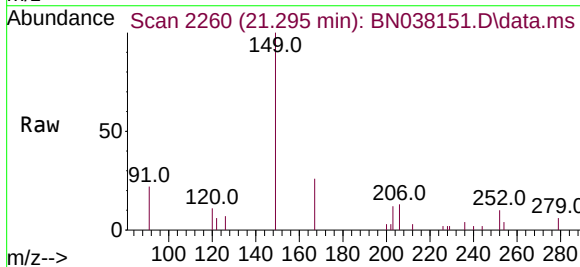
Instrument :
BNA_N
ClientSampleId :
MW-11

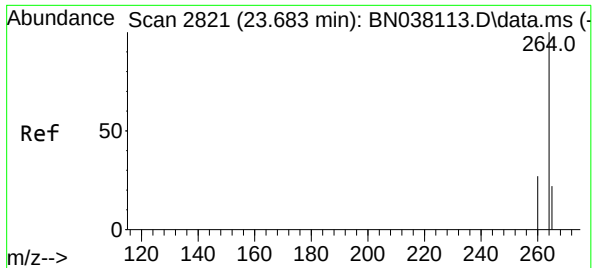
Tgt Ion	Ratio	Lower	Upper
244	100		
212	9.3	7.8	11.6
122	17.2	15.2	22.8



#34
Bis(2-ethylhexyl)phthalate
Concen: 0.085 ng
RT: 21.295 min Scan# 2260
Delta R.T. 0.000 min
Lab File: BN038151.D
Acq: 07 Nov 2025 12:04

Tgt Ion	Ratio	Lower	Upper
149	100		
167	25.9	21.1	31.7
279	3.5	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: BN038151.D

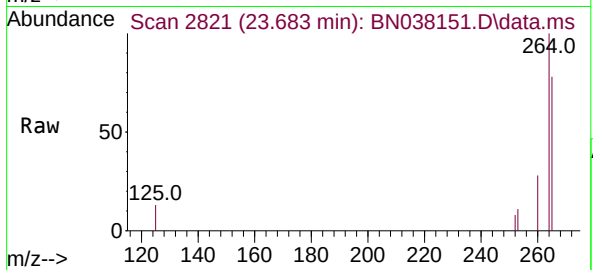
Acq: 07 Nov 2025 12:04

Instrument :

BNA_N

ClientSampleId :

MW-11



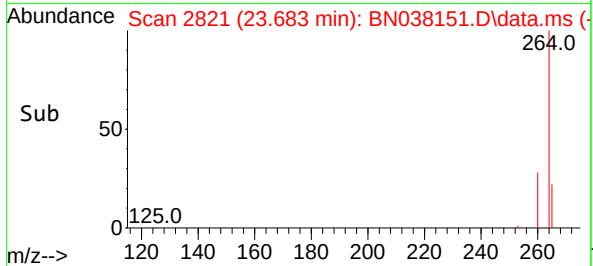
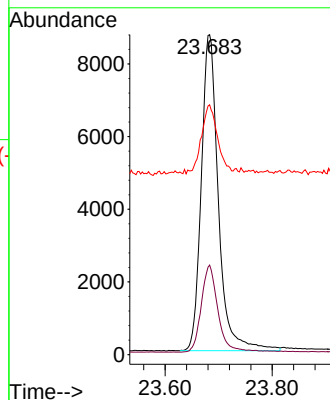
Tgt Ion:264 Resp: 19271

Ion	Ratio	Lower	Upper
-----	-------	-------	-------

264	100		
-----	-----	--	--

260	28.0	21.8	32.8
-----	------	------	------

265	78.1	68.6	102.8
-----	------	------	-------





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

Report of Analysis

Client:	Remington & Vernick Engineers		Date Collected:	11/03/25
Project:	Edison Landfill		Date Received:	11/04/25
Client Sample ID:	MW-11DL		SDG No.:	Q3534
Lab Sample ID:	Q3534-03DL		Matrix:	Water
Analytical Method:	SW8270ESIM	Level: LOW	% Solid:	0
Sample Wt/Vol:	980 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	5.60	D	2	0.13	0.41	ug/L	11/08/25 01:57	PB170427
SURROGATES									
7297-45-2	2-Methylnaphthalene-d10	0.34			30 (20) - 150 (139)	84%	SPK: 0.4		
93951-69-0	Fluoranthene-d10	0.33			30 (54) - 150 (157)	82%	SPK: 0.4		
4165-60-0	Nitrobenzene-d5	0.36			30 (27) - 130 (154)	90%	SPK: 0.4		
321-60-8	2-Fluorobiphenyl	0.41			30 (30) - 130 (155)	101%	SPK: 0.4		
1718-51-0	Terphenyl-d14	0.54	*		30 (54) - 130 (175)	134%	SPK: 0.4		
INTERNAL STANDARDS		Area Count							
3855-82-1	1,4-Dichlorobenzene-d4	8390							
1146-65-2	Naphthalene-d8	25400							
15067-26-2	Acenaphthene-d10	14600							
1517-22-2	Phenanthrene-d10	24500							
1719-03-5	Chrysene-d12	14000							
1520-96-3	Perylene-d12	14200							

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

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN110725\
 Data File : BN038171.D
 Acq On : 08 Nov 2025 01:57
 Operator : RC/JU
 Sample : Q3534-03DL 2X
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 MW-11DL

Quant Time: Nov 08 03:29:20 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)

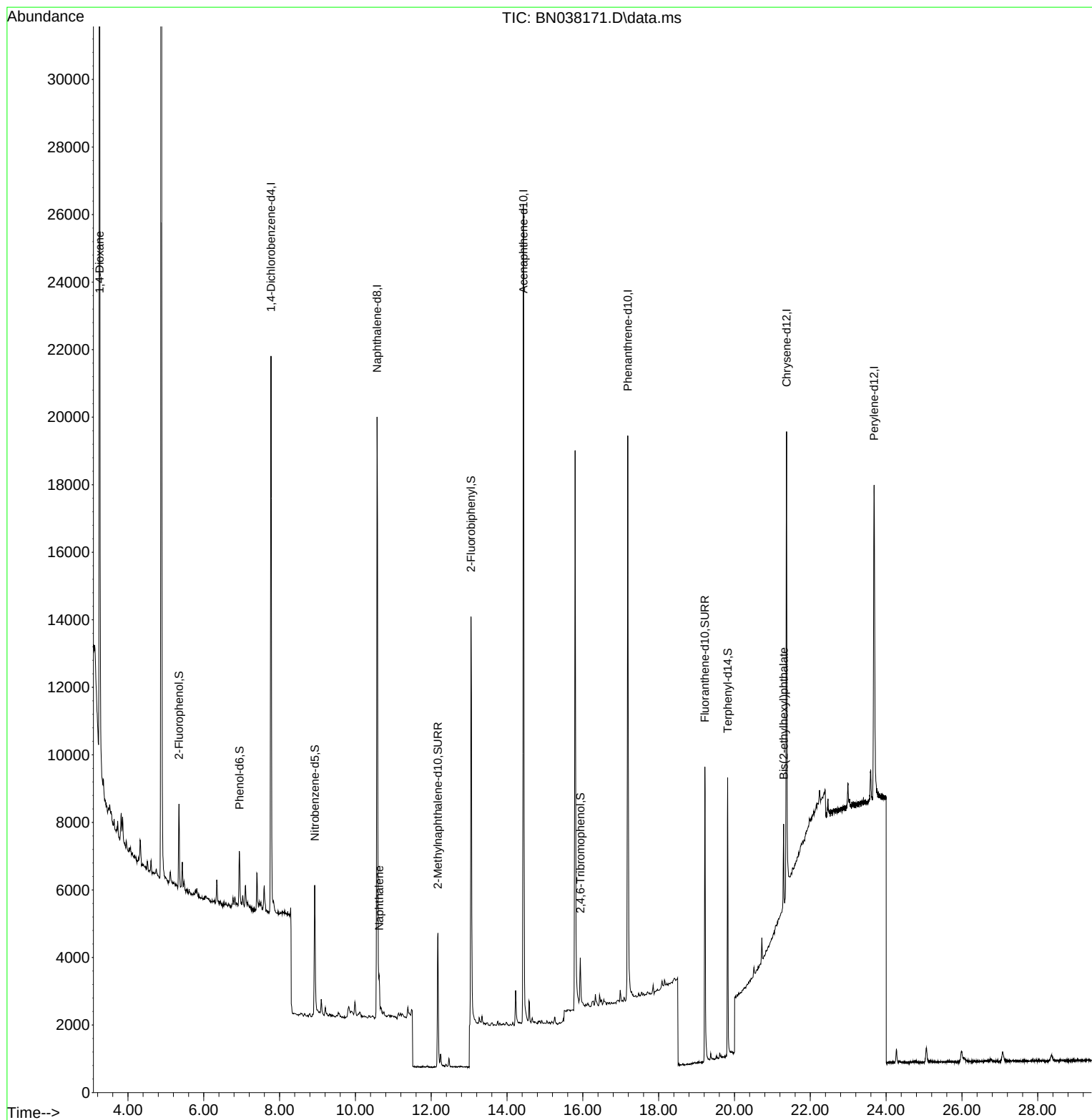
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.775	152	8387	0.400	ng	0.00
7) Naphthalene-d8	10.573	136	25419	0.400	ng	# 0.00
13) Acenaphthene-d10	14.430	164	14582	0.400	ng	0.00
19) Phenanthrene-d10	17.186	188	24478	0.400	ng	0.00
29) Chrysene-d12	21.375	240	14041	0.400	ng	0.00
35) Perylene-d12	23.683	264	14209	0.400	ng	# 0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.348	112	2074	0.105	ng	0.00
5) Phenol-d6	6.944	99	1824	0.076	ng	0.00
8) Nitrobenzene-d5	8.929	82	3691	0.180	ng	0.00
11) 2-Methylnaphthalene-d10	12.177	152	6095	0.168	ng	0.00
14) 2,4,6-Tribromophenol	15.932	330	895	0.149	ng	0.00
15) 2-Fluorobiphenyl	13.051	172	11835	0.203	ng	0.00
27) Fluoranthene-d10	19.220	212	10115	0.164	ng	0.00
31) Terphenyl-d14	19.819	244	8217	0.269	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.254	88	23816	2.748	ng	98
9) Naphthalene	10.626	128	1438	0.021	ng	# 79
34) Bis(2-ethylhexyl)phtha...	21.295	149	2343	0.089	ng	# 95

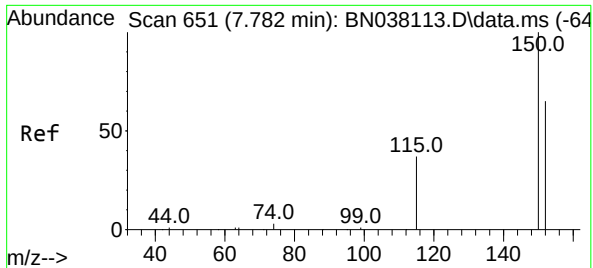
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN110725\
Data File : BN038171.D
Acq On : 08 Nov 2025 01:57
Operator : RC/JU
Sample : Q3534-03DL 2X
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
MW-11DL

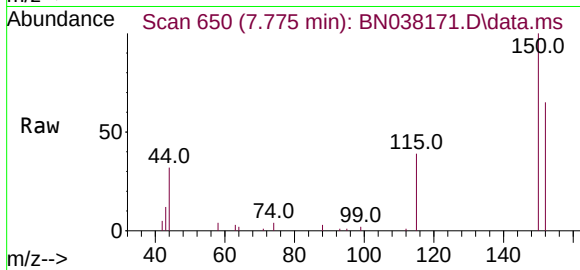
Quant Time: Nov 08 03:29:20 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN102825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Oct 29 13:09:46 2025
Response via : Initial Calibration



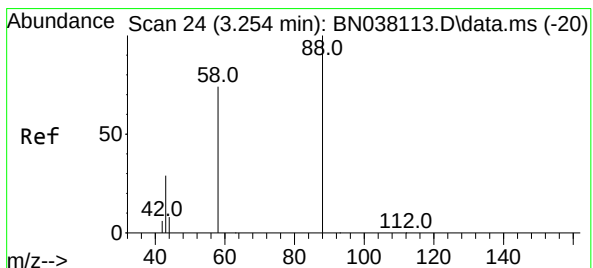
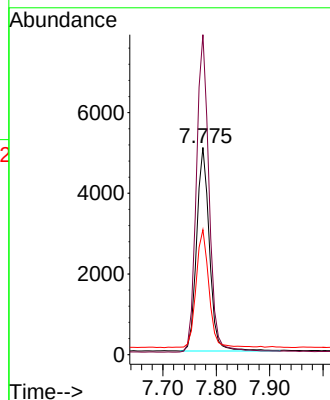
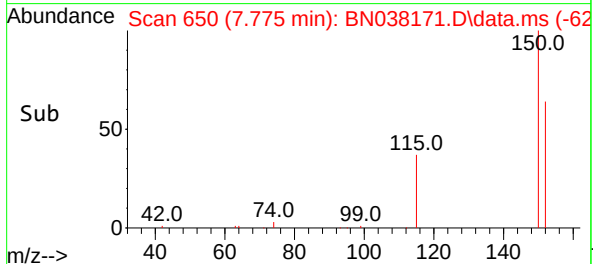


#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.775 min Scan# 61
Delta R.T. 0.000 min
Lab File: BN038171.D
Acq: 08 Nov 2025 01:57

Instrument :
BNA_N
ClientSampleId :
MW-11DL

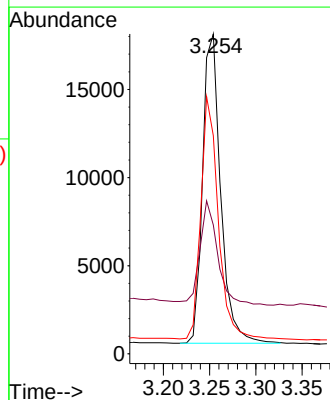
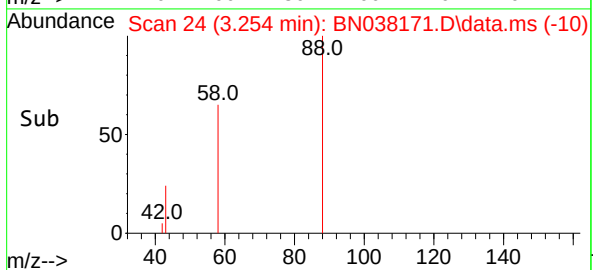
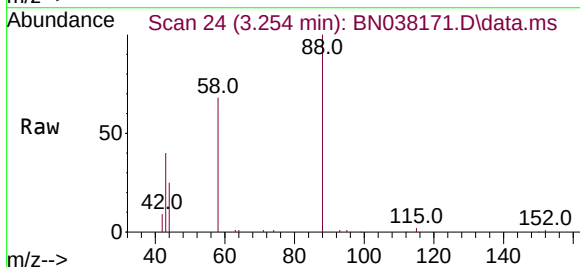


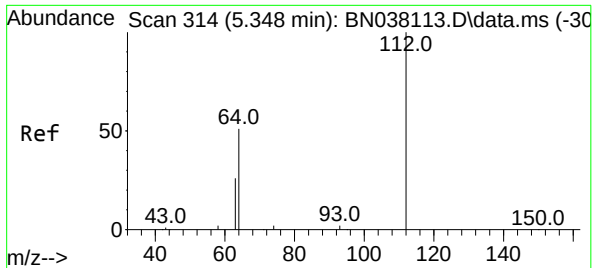
Tgt Ion:152 Resp: 8387
Ion Ratio Lower Upper
152 100
150 154.5 122.3 183.5
115 60.3 47.4 71.0



#2
1,4-Dioxane
Concen: 2.748 ng
RT: 3.254 min Scan# 24
Delta R.T. 0.000 min
Lab File: BN038171.D
Acq: 08 Nov 2025 01:57

Tgt Ion: 88 Resp: 23816
Ion Ratio Lower Upper
88 100
43 33.3 24.3 36.5
58 75.4 60.4 90.6

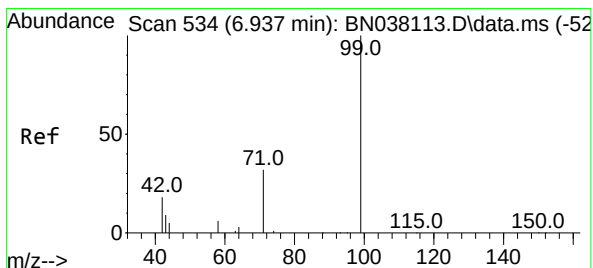
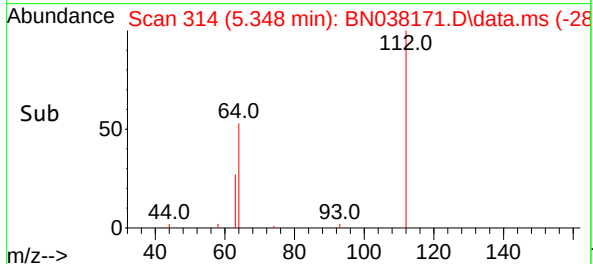
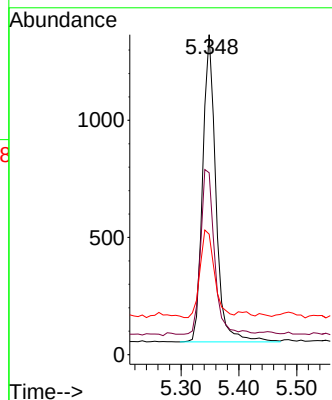
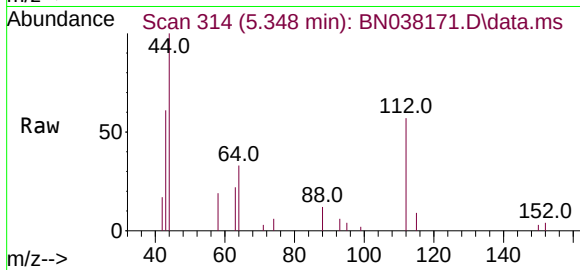




#4
2-Fluorophenol
Concen: 0.105 ng
RT: 5.348 min Scan# 314
Delta R.T. 0.000 min
Lab File: BN038171.D
Acq: 08 Nov 2025 01:57

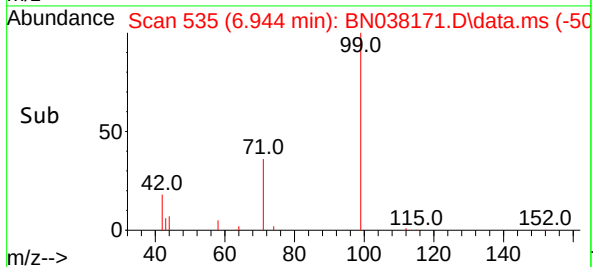
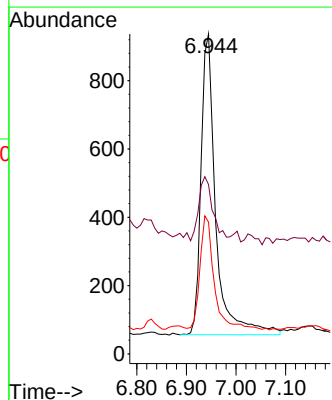
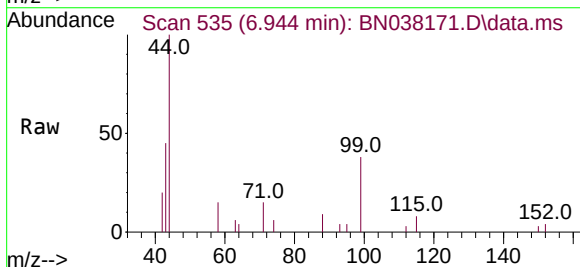
Instrument :
BNA_N
ClientSampleId :
MW-11DL

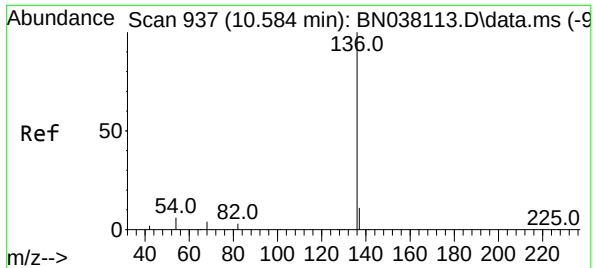
Tgt Ion: 112 Resp: 2074
Ion Ratio Lower Upper
112 100
64 56.1 45.4 68.0
63 31.2 23.2 34.8



#5
Phenol-d6
Concen: 0.076 ng
RT: 6.944 min Scan# 535
Delta R.T. 0.007 min
Lab File: BN038171.D
Acq: 08 Nov 2025 01:57

Tgt Ion: 99 Resp: 1824
Ion Ratio Lower Upper
99 100
42 20.4 16.6 24.8
71 37.1 25.4 38.2

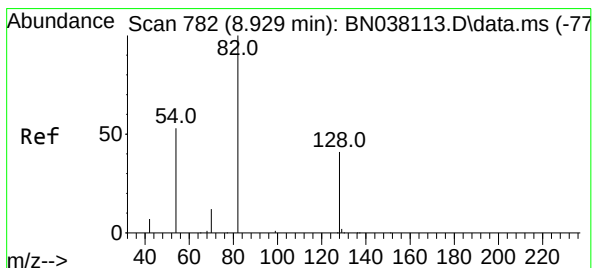
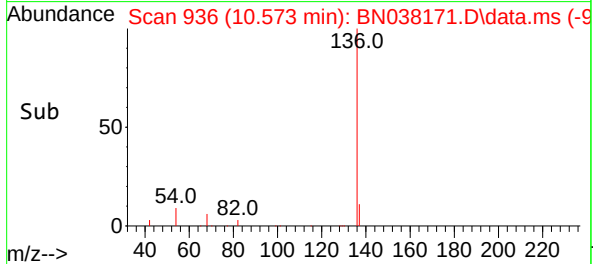
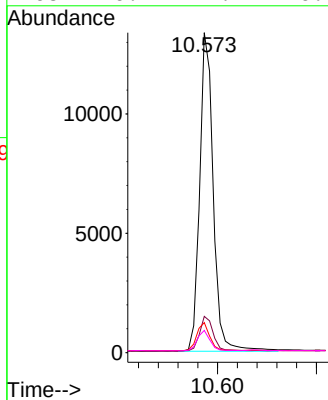
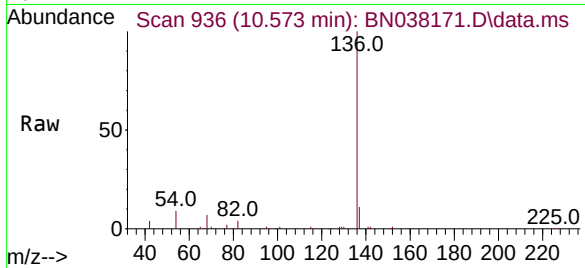




#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.573 min Scan# 937
Delta R.T. 0.000 min
Lab File: BN038171.D
Acq: 08 Nov 2025 01:57

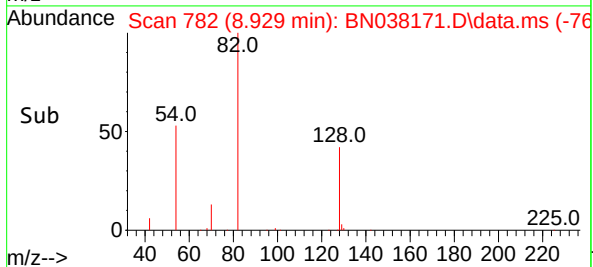
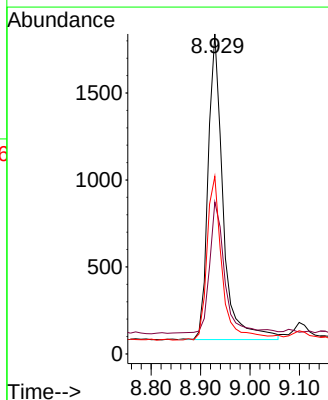
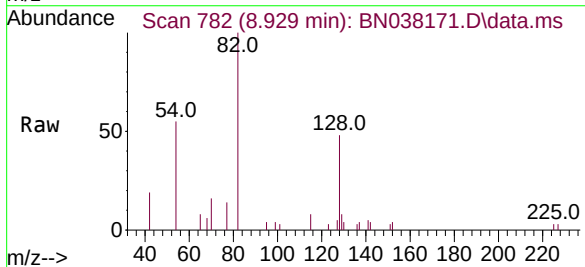
Instrument :
BNA_N
ClientSampleId :
MW-11DL

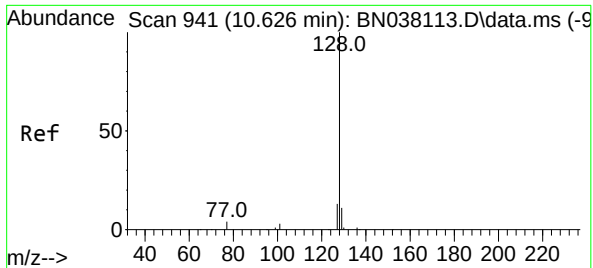
Tgt Ion:	136	Resp:	25419
Ion	Ratio	Lower	Upper
136	100		
137	11.3	9.0	13.4
54	9.4	5.2	7.8#
68	6.9	4.1	6.1#



#8
Nitrobenzene-d5
Concen: 0.180 ng
RT: 8.929 min Scan# 782
Delta R.T. 0.000 min
Lab File: BN038171.D
Acq: 08 Nov 2025 01:57

Tgt Ion:	82	Resp:	3691
Ion	Ratio	Lower	Upper
82	100		
128	47.5	34.1	51.1
54	55.5	43.5	65.3

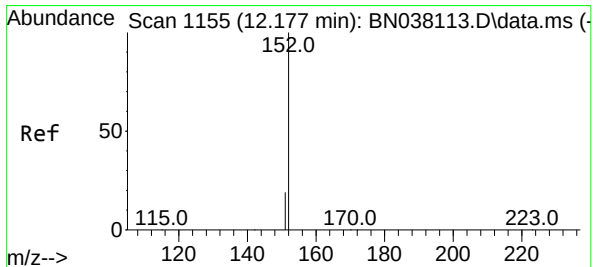
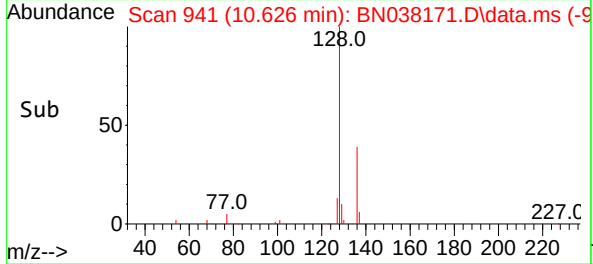
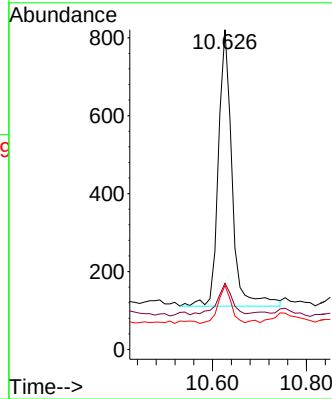
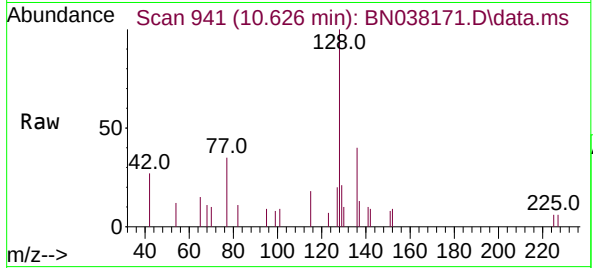




#9
Naphthalene
Concen: 0.021 ng
RT: 10.626 min Scan# 941
Delta R.T. 0.000 min
Lab File: BN038171.D
Acq: 08 Nov 2025 01:57

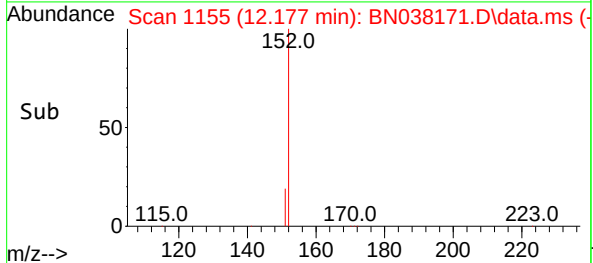
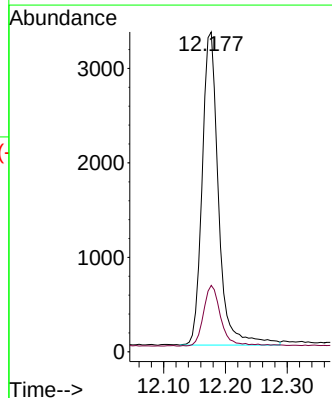
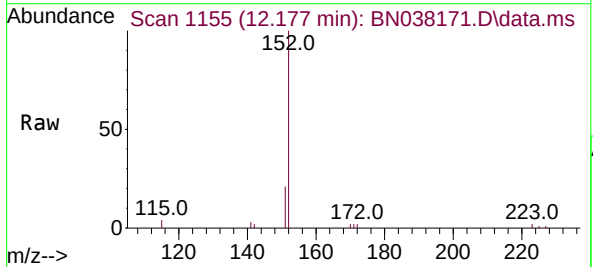
Instrument :
BNA_N
ClientSampleId :
MW-11DL

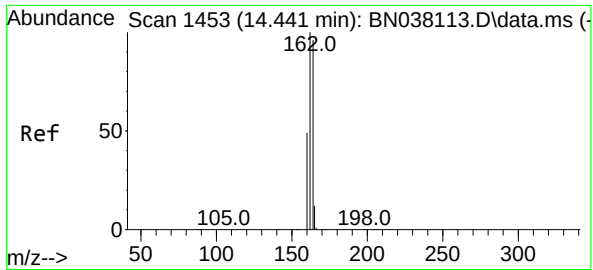
Tgt Ion:128 Resp: 1438
Ion Ratio Lower Upper
128 100
129 20.7 9.1 13.7#
127 20.0 10.5 15.7#



#11
2-Methylnaphthalene-d10
Concen: 0.168 ng
RT: 12.177 min Scan# 1155
Delta R.T. 0.000 min
Lab File: BN038171.D
Acq: 08 Nov 2025 01:57

Tgt Ion:152 Resp: 6095
Ion Ratio Lower Upper
152 100
151 20.5 16.8 25.2

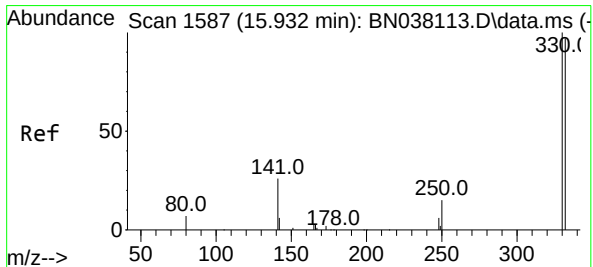
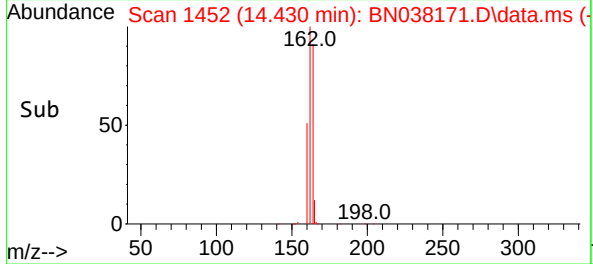
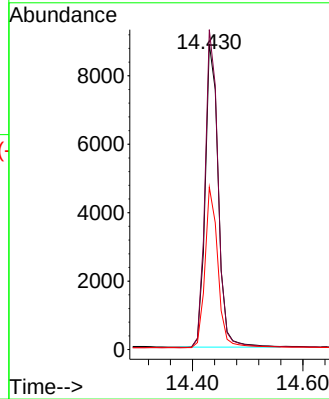
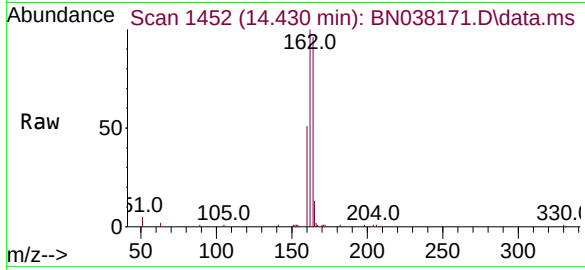




#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.430 min Scan# 1453
Delta R.T. 0.000 min
Lab File: BN038171.D
Acq: 08 Nov 2025 01:57

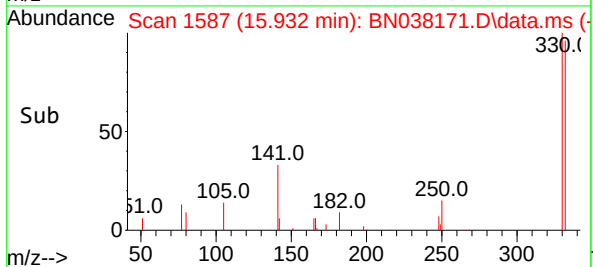
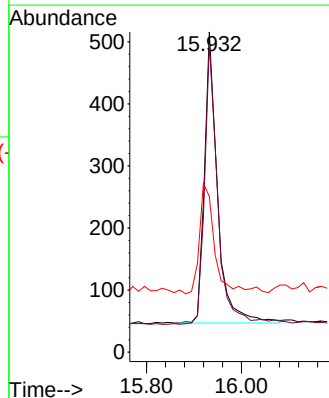
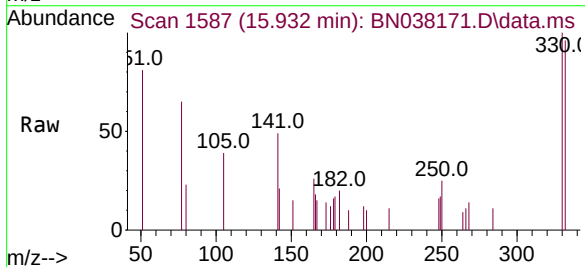
Instrument :
BNA_N
ClientSampleId :
MW-11DL

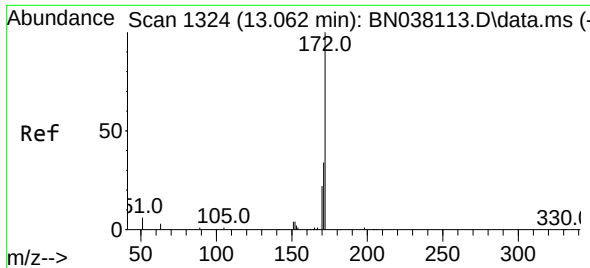
Tgt Ion:164 Resp: 14582
Ion Ratio Lower Upper
164 100
162 104.7 83.0 124.4
160 53.2 40.7 61.1



#14
2,4,6-Tribromophenol
Concen: 0.149 ng
RT: 15.932 min Scan# 1587
Delta R.T. 0.000 min
Lab File: BN038171.D
Acq: 08 Nov 2025 01:57

Tgt Ion:330 Resp: 895
Ion Ratio Lower Upper
330 100
332 94.5 76.6 114.8
141 44.8 34.1 51.1

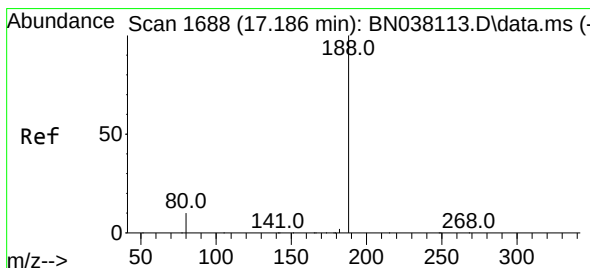
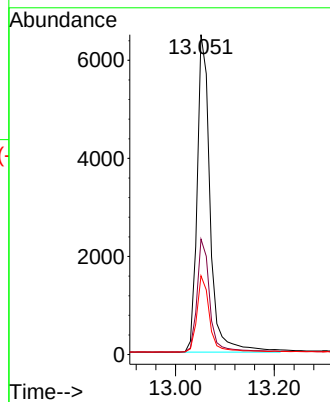
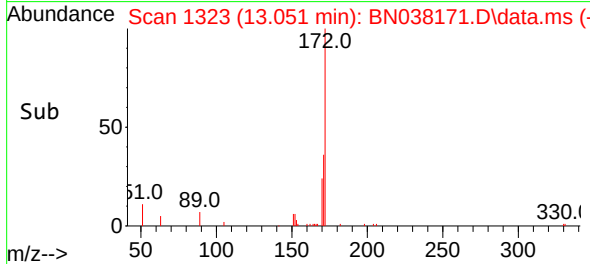
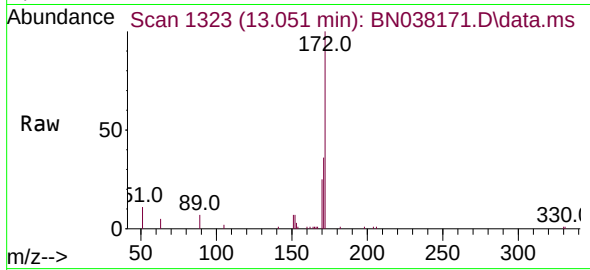




#15
2-Fluorobiphenyl
Concen: 0.203 ng
RT: 13.051 min Scan# 1324
Delta R.T. 0.000 min
Lab File: BN038171.D
Acq: 08 Nov 2025 01:57

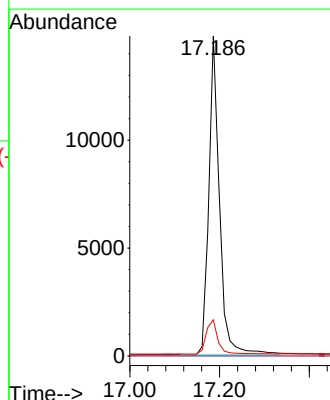
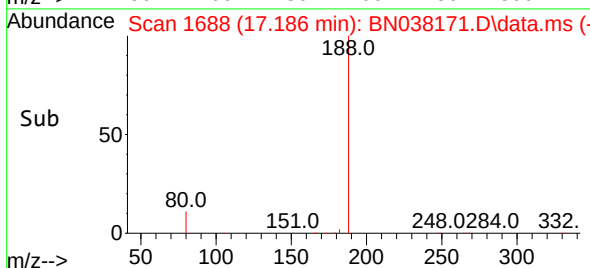
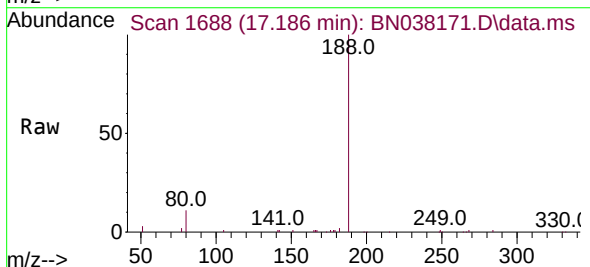
Instrument :
BNA_N
ClientSampleId :
MW-11DL

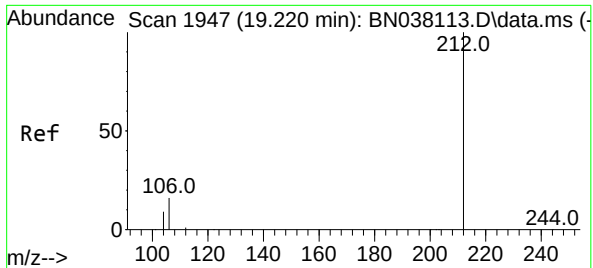
Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.1	27.8	41.6
170	24.6	18.1	27.1



#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.186 min Scan# 1688
Delta R.T. 0.000 min
Lab File: BN038171.D
Acq: 08 Nov 2025 01:57

Tgt Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	11.3	8.6	13.0

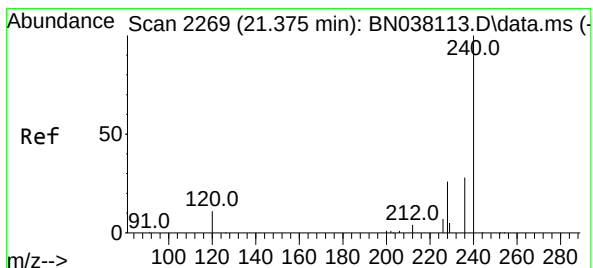
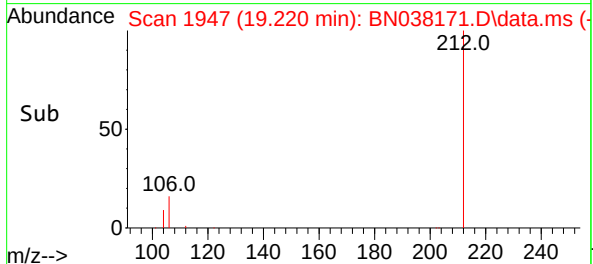
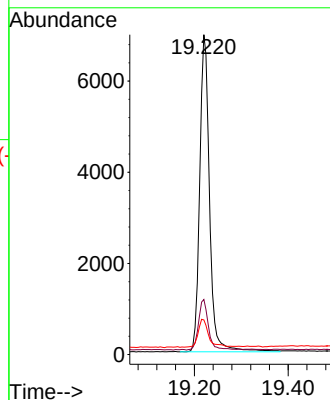
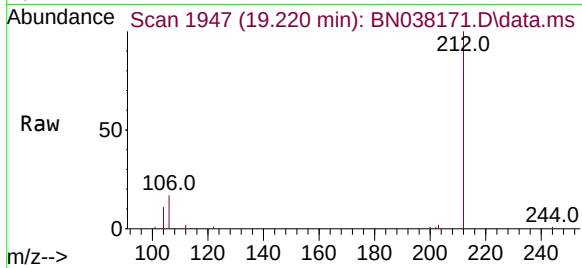




#27
Fluoranthene-d10
Concen: 0.164 ng
RT: 19.220 min Scan# 1947
Delta R.T. 0.000 min
Lab File: BN038171.D
Acq: 08 Nov 2025 01:57

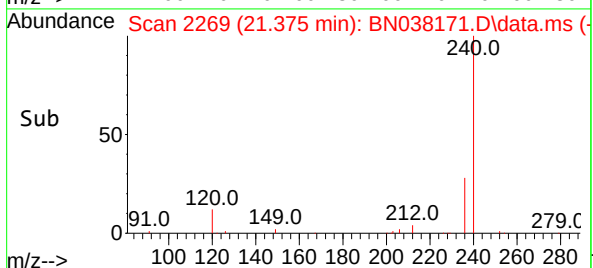
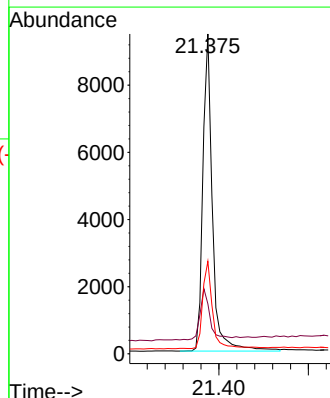
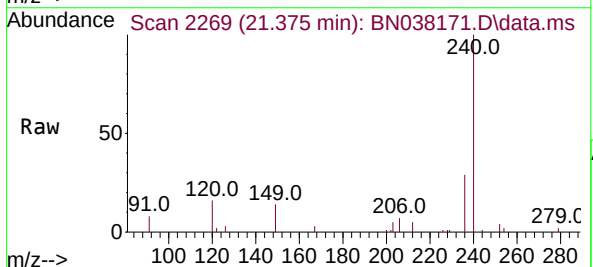
Instrument :
BNA_N
ClientSampleId :
MW-11DL

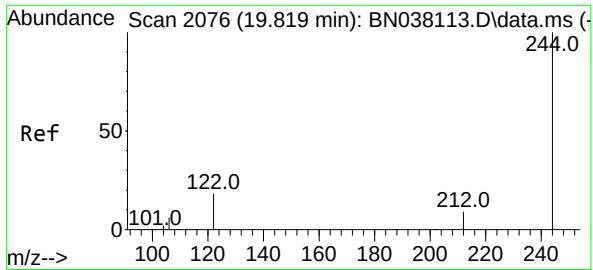
Tgt Ion	Ratio	Lower	Upper
212	100		
106	16.0	12.6	19.0
104	9.3	7.1	10.7



#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.375 min Scan# 2269
Delta R.T. 0.000 min
Lab File: BN038171.D
Acq: 08 Nov 2025 01:57

Tgt Ion	Ratio	Lower	Upper
240	100		
120	15.6	10.7	16.1
236	28.9	23.1	34.7

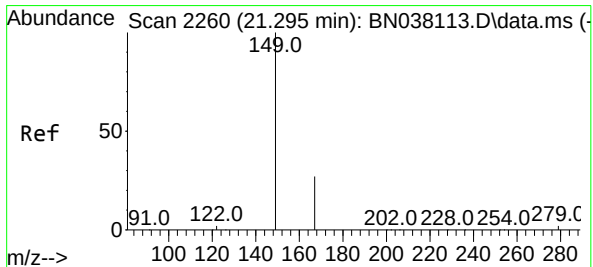
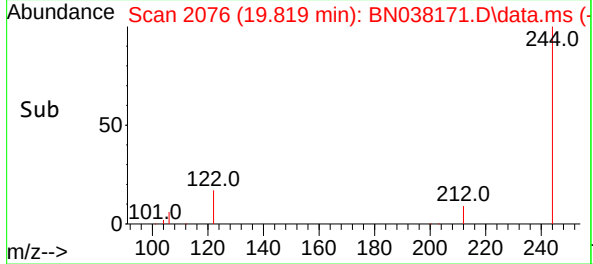
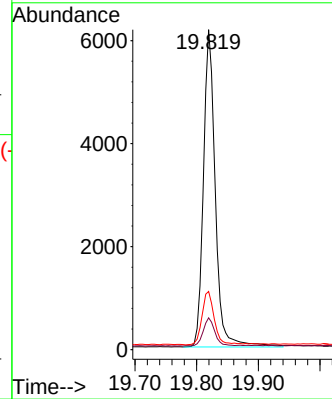
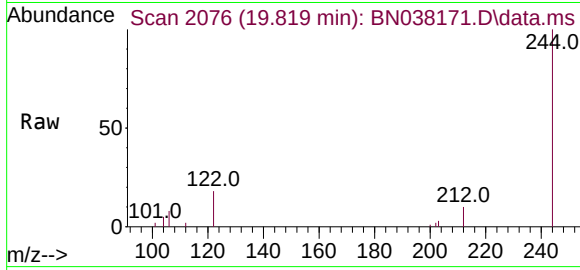




#31
Terphenyl-d14
Concen: 0.269 ng
RT: 19.819 min Scan# 2076
Delta R.T. 0.000 min
Lab File: BN038171.D
Acq: 08 Nov 2025 01:57

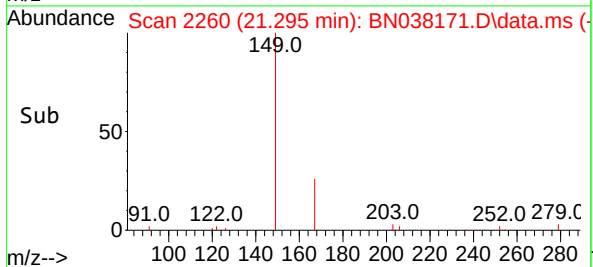
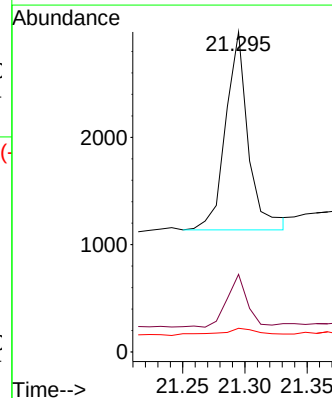
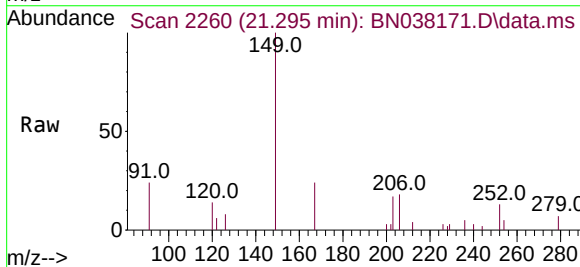
Instrument :
BNA_N
ClientSampleId :
MW-11DL

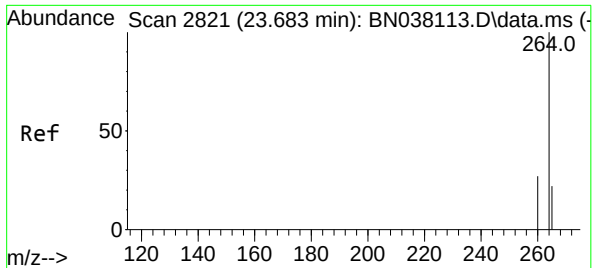
Tgt Ion	Ratio	Lower	Upper
244	100		
212	9.9	7.8	11.6
122	18.2	15.2	22.8



#34
Bis(2-ethylhexyl)phthalate
Concen: 0.089 ng
RT: 21.295 min Scan# 2260
Delta R.T. 0.000 min
Lab File: BN038171.D
Acq: 08 Nov 2025 01:57

Tgt Ion	Ratio	Lower	Upper
149	100		
167	23.9	21.1	31.7
279	6.2	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: BN038171.D

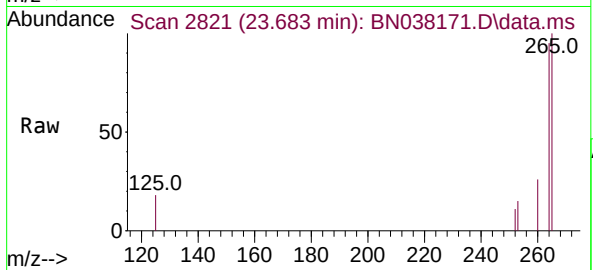
Acq: 08 Nov 2025 01:57

Instrument :

BNA_N

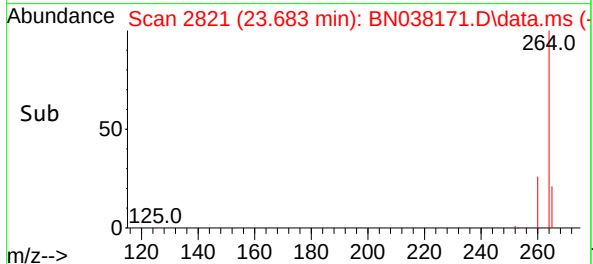
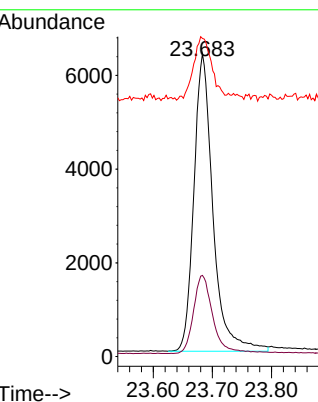
ClientSampleId :

MW-11DL



Tgt Ion:264 Resp: 14209

Ion	Ratio	Lower	Upper
264	100		
260	26.8	21.8	32.8
265	105.0	68.6	102.8





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

Report of Analysis

Client:	Remington & Vernick Engineers		Date Collected:	11/04/25
Project:	Edison Landfill		Date Received:	11/04/25
Client Sample ID:	MW-5		SDG No.:	Q3534
Lab Sample ID:	Q3534-04		Matrix:	Water
Analytical Method:	SW8270ESIM	Level: LOW	% Solid:	0
Sample Wt/Vol:	950 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	3.30		1	0.070	0.21	ug/L	11/07/25 16:46	PB170427
SURROGATES									
7297-45-2	2-Methylnaphthalene-d10	0.36			30 (20) - 150 (139)	89%	SPK: 0.4		
93951-69-0	Fluoranthene-d10	0.38			30 (54) - 150 (157)	94%	SPK: 0.4		
4165-60-0	Nitrobenzene-d5	0.37			30 (27) - 130 (154)	92%	SPK: 0.4		
321-60-8	2-Fluorobiphenyl	0.36			30 (30) - 130 (155)	89%	SPK: 0.4		
1718-51-0	Terphenyl-d14	0.54	*		30 (54) - 130 (175)	135%	SPK: 0.4		
INTERNAL STANDARDS									
		Area Count							
3855-82-1	1,4-Dichlorobenzene-d4	11200							
1146-65-2	Naphthalene-d8	37200							
15067-26-2	Acenaphthene-d10	24000							
1517-22-2	Phenanthrene-d10	44300							
1719-03-5	Chrysene-d12	29500							
1520-96-3	Perylene-d12	25000							

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

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN110725\
 Data File : BN038157.D
 Acq On : 07 Nov 2025 16:46
 Operator : RC/JU
 Sample : Q3534-04
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 MW-5

Quant Time: Nov 07 17:16:31 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)

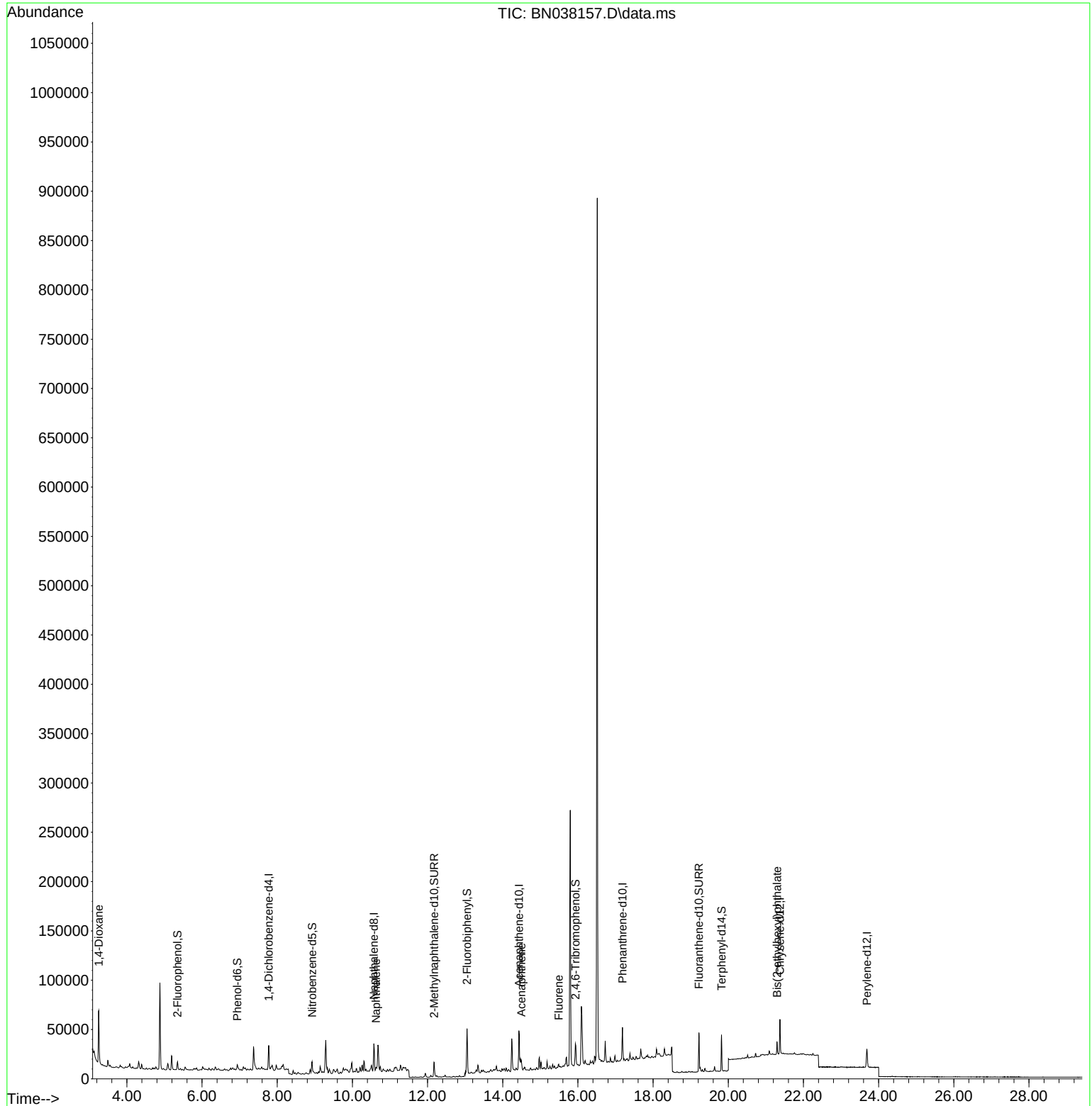
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.775	152	11219	0.400	ng	0.00
7) Naphthalene-d8	10.573	136	37220	0.400	ng	# 0.00
13) Acenaphthene-d10	14.430	164	24015	0.400	ng	0.00
19) Phenanthrene-d10	17.186	188	44332	0.400	ng	0.00
29) Chrysene-d12	21.375	240	29531	0.400	ng	# 0.00
35) Perylene-d12	23.686	264	25013	0.400	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.348	112	5831	0.221	ng	0.00
5) Phenol-d6	6.937	99	4653	0.145	ng	0.00
8) Nitrobenzene-d5	8.929	82	11062	0.368	ng	0.00
11) 2-Methylnaphthalene-d10	12.172	152	18993	0.357	ng	0.00
14) 2,4,6-Tribromophenol	15.932	330	4812	0.486	ng	0.00
15) 2-Fluorobiphenyl	13.051	172	34356	0.357	ng	0.00
27) Fluoranthene-d10	19.220	212	42091	0.377	ng	0.00
31) Terphenyl-d14	19.819	244	34611	0.539	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	3.254	88	36486	3.148	ng	98
9) Naphthalene	10.626	128	4483	0.044	ng	# 81
17) Acenaphthene	14.495	154	4765	0.063	ng	96
18) Fluorene	15.489	166	2498	0.025	ng	# 90
34) Bis(2-ethylhexyl)phtha...	21.295	149	12122	0.218	ng	98

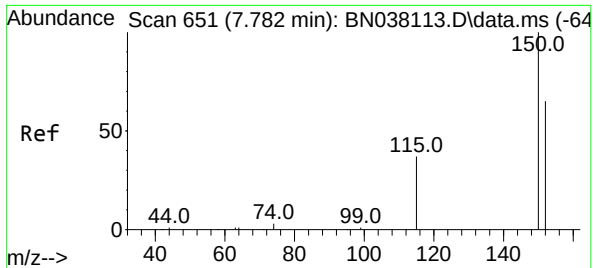
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN110725\
Data File : BN038157.D
Acq On : 07 Nov 2025 16:46
Operator : RC/JU
Sample : Q3534-04
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
MW-5

Quant Time: Nov 07 17:16:31 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

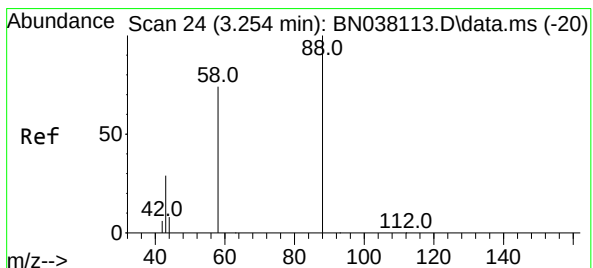
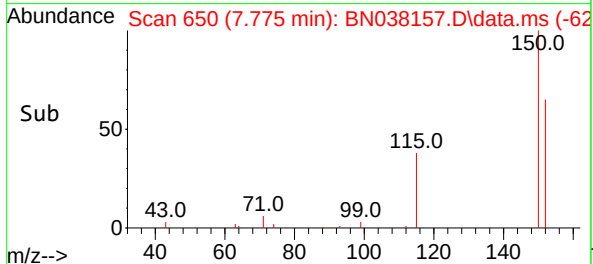
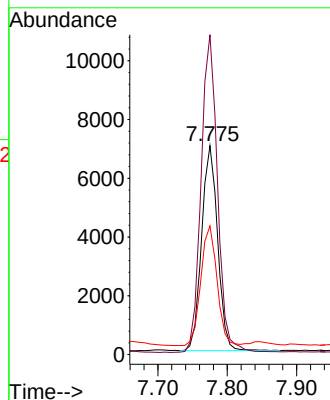
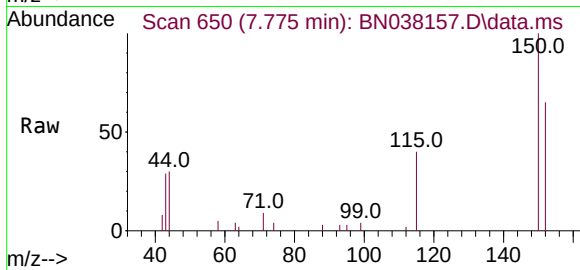




#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.775 min Scan# 61
Delta R.T. -0.000 min
Lab File: BN038157.D
Acq: 07 Nov 2025 16:46

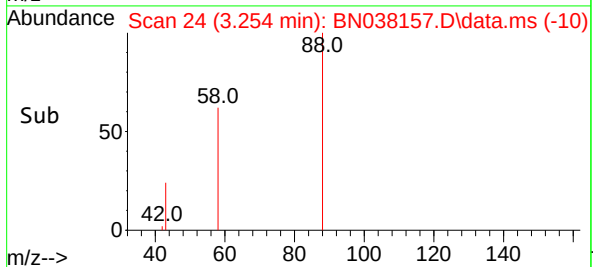
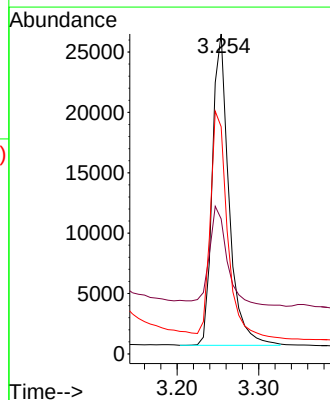
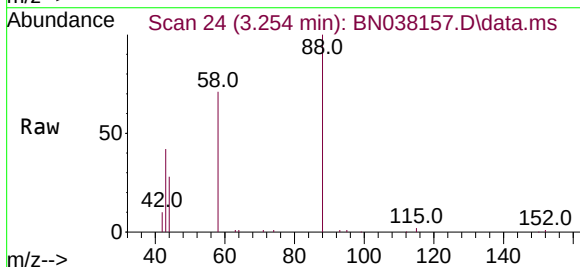
Instrument :
BNA_N
ClientSampleId :
MW-5

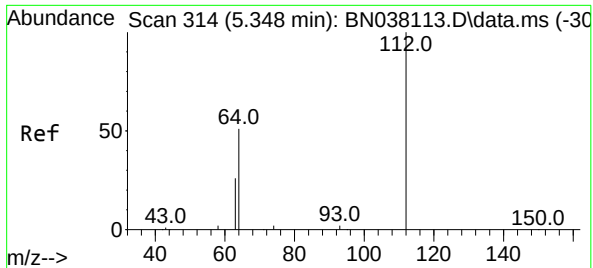
Tgt Ion:152 Resp: 11219
Ion Ratio Lower Upper
152 100
150 153.2 122.3 183.5
115 61.6 47.4 71.0



#2
1,4-Dioxane
Concen: 3.148 ng
RT: 3.254 min Scan# 24
Delta R.T. 0.000 min
Lab File: BN038157.D
Acq: 07 Nov 2025 16:46

Tgt Ion: 88 Resp: 36486
Ion Ratio Lower Upper
88 100
43 33.5 24.3 36.5
58 75.1 60.4 90.6

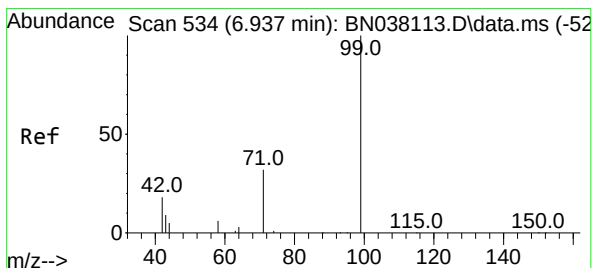
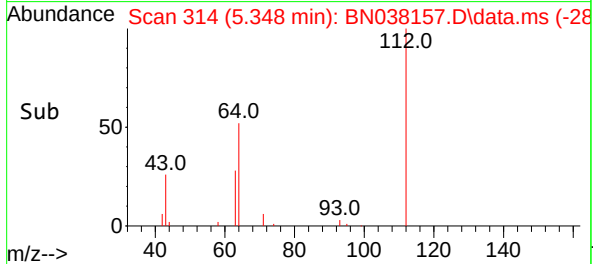
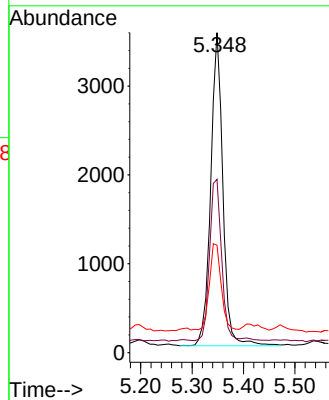
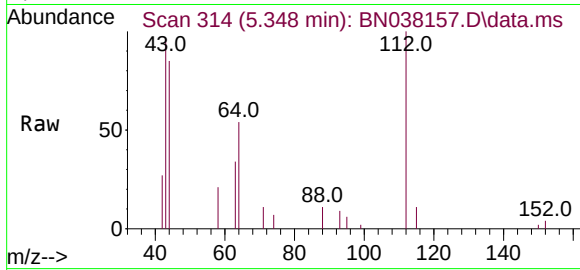




#4
2-Fluorophenol
Concen: 0.221 ng
RT: 5.348 min Scan# 314
Delta R.T. 0.000 min
Lab File: BN038157.D
Acq: 07 Nov 2025 16:46

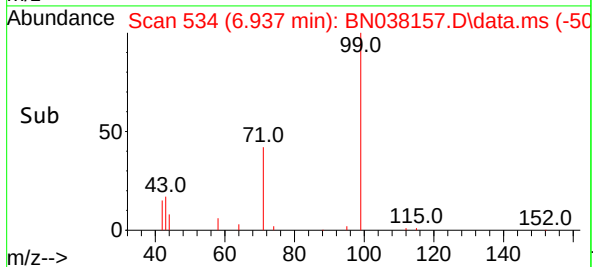
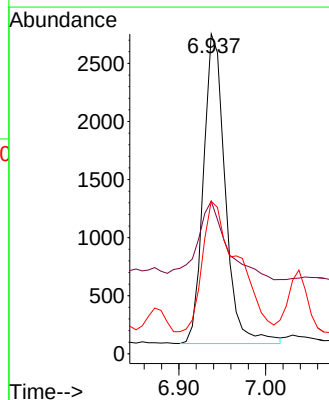
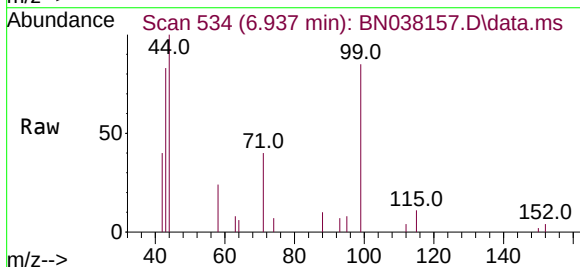
Instrument :
BNA_N
ClientSampleId :
MW-5

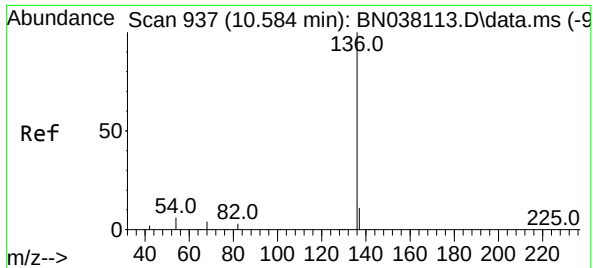
Tgt Ion	Ratio	Lower	Upper
112	100		
64	50.1	45.4	68.0
63	27.4	23.2	34.8



#5
Phenol-d6
Concen: 0.145 ng
RT: 6.937 min Scan# 534
Delta R.T. 0.000 min
Lab File: BN038157.D
Acq: 07 Nov 2025 16:46

Tgt Ion	Ratio	Lower	Upper
99	100		
42	34.8	16.6	24.8#
71	70.5	25.4	38.2#

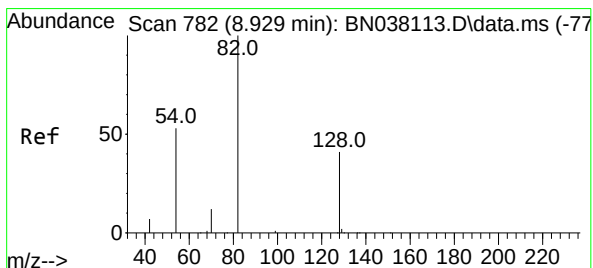
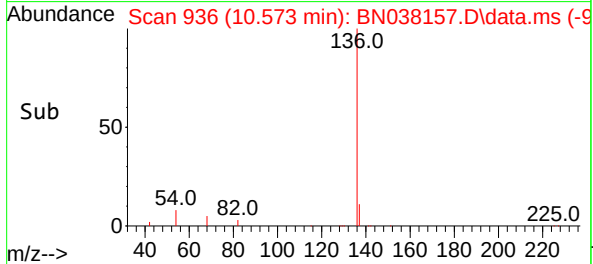
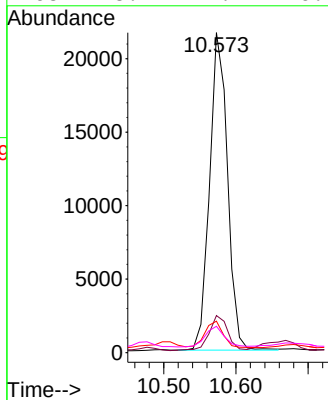
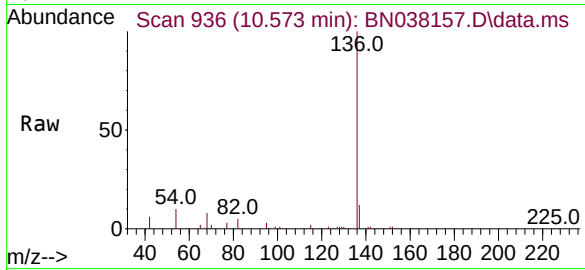




#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.573 min Scan# 936
Delta R.T. 0.000 min
Lab File: BN038157.D
Acq: 07 Nov 2025 16:46

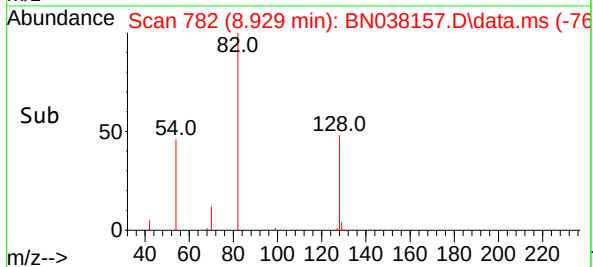
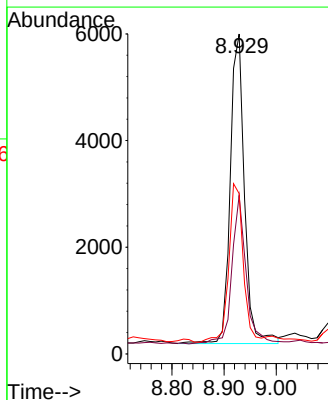
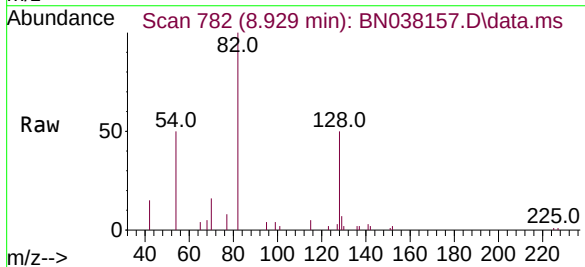
Instrument :
BNA_N
ClientSampleId :
MW-5

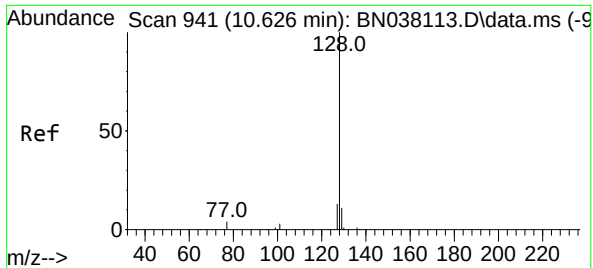
Tgt Ion:	136	Resp:	37220
Ion	Ratio	Lower	Upper
136	100		
137	11.6	9.0	13.4
54	9.8	5.2	7.8#
68	8.2	4.1	6.1#



#8
Nitrobenzene-d5
Concen: 0.368 ng
RT: 8.929 min Scan# 782
Delta R.T. 0.000 min
Lab File: BN038157.D
Acq: 07 Nov 2025 16:46

Tgt Ion:	82	Resp:	11062
Ion	Ratio	Lower	Upper
82	100		
128	49.5	34.1	51.1
54	50.1	43.5	65.3

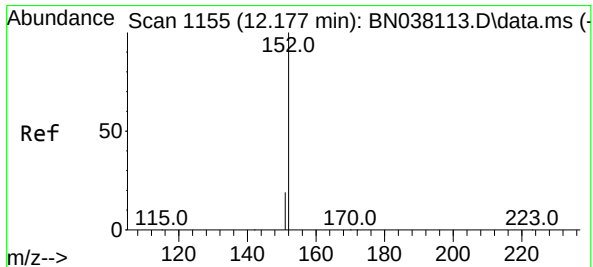
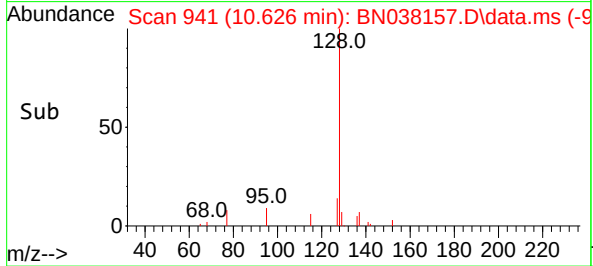
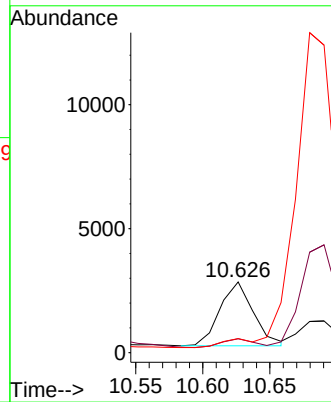
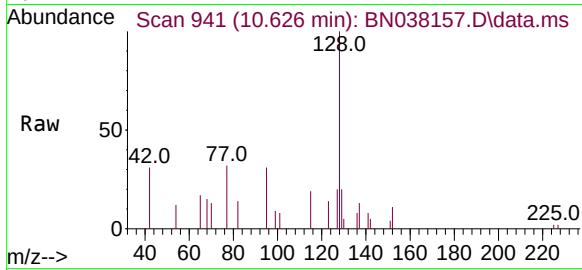




#9
Naphthalene
Concen: 0.044 ng
RT: 10.626 min Scan# 941
Delta R.T. 0.000 min
Lab File: BN038157.D
Acq: 07 Nov 2025 16:46

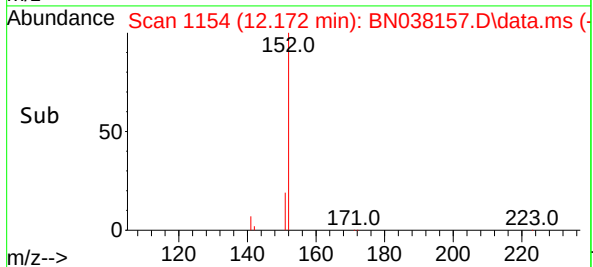
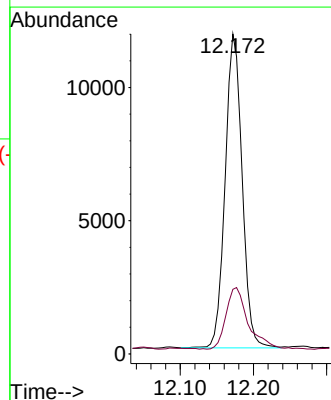
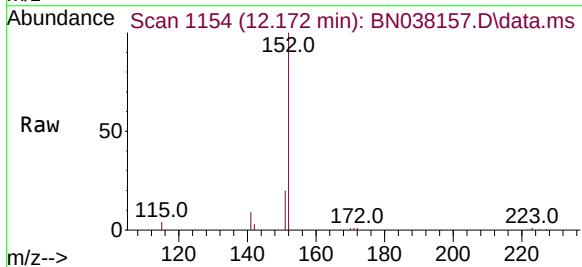
Instrument :
BNA_N
ClientSampleId :
MW-5

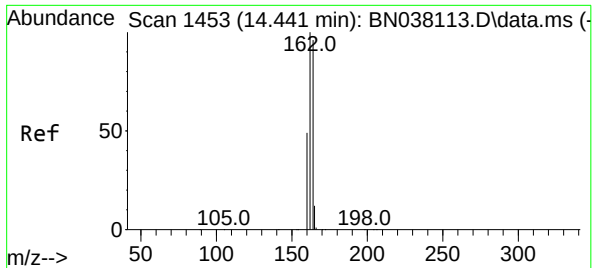
Tgt Ion:128 Resp: 4483
Ion Ratio Lower Upper
128 100
129 19.7 9.1 13.7#
127 19.8 10.5 15.7#



#11
2-Methylnaphthalene-d10
Concen: 0.357 ng
RT: 12.172 min Scan# 1154
Delta R.T. -0.005 min
Lab File: BN038157.D
Acq: 07 Nov 2025 16:46

Tgt Ion:152 Resp: 18993
Ion Ratio Lower Upper
152 100
151 26.2 16.8 25.2#

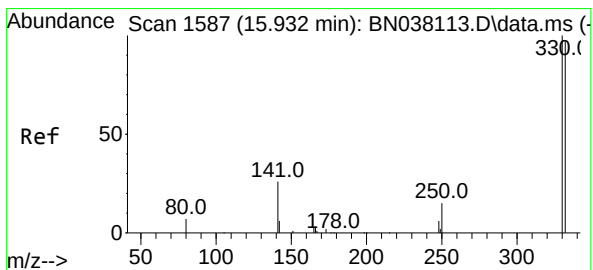
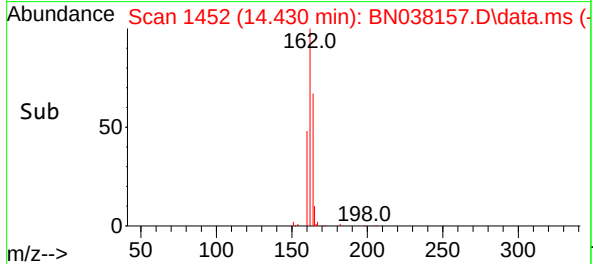
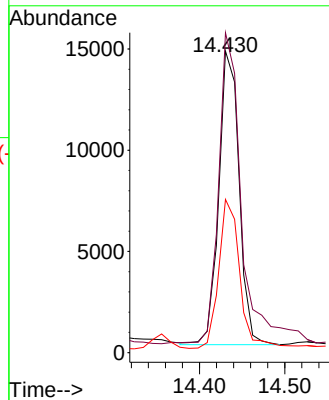
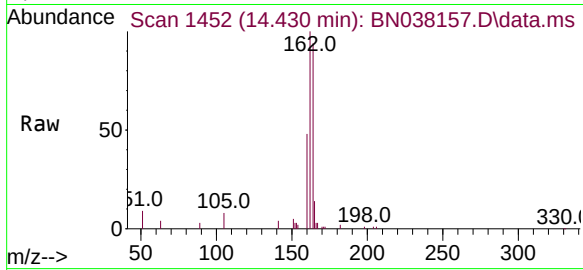




#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.430 min Scan# 1453
Delta R.T. 0.000 min
Lab File: BN038157.D
Acq: 07 Nov 2025 16:46

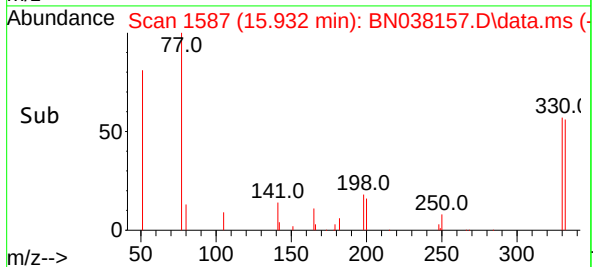
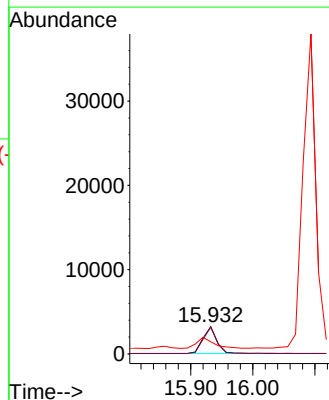
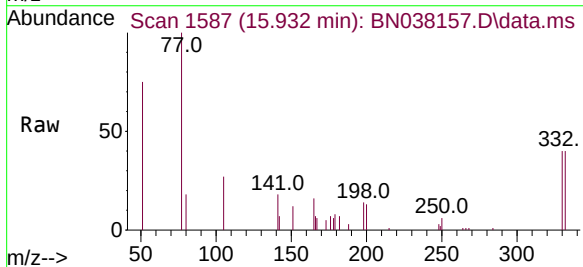
Instrument :
BNA_N
ClientSampleId :
MW-5

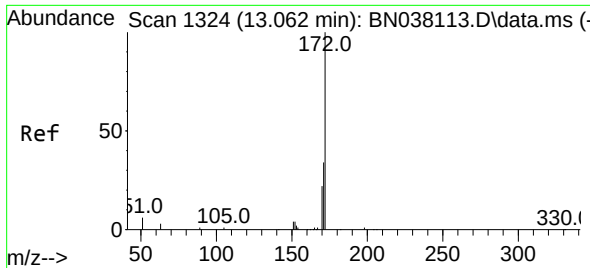
Tgt Ion:164 Resp: 24015
Ion Ratio Lower Upper
164 100
162 106.1 83.0 124.4
160 50.8 40.7 61.1



#14
2,4,6-Tribromophenol
Concen: 0.486 ng
RT: 15.932 min Scan# 1587
Delta R.T. 0.000 min
Lab File: BN038157.D
Acq: 07 Nov 2025 16:46

Tgt Ion:330 Resp: 4812
Ion Ratio Lower Upper
330 100
332 97.8 76.6 114.8
141 50.5 34.1 51.1

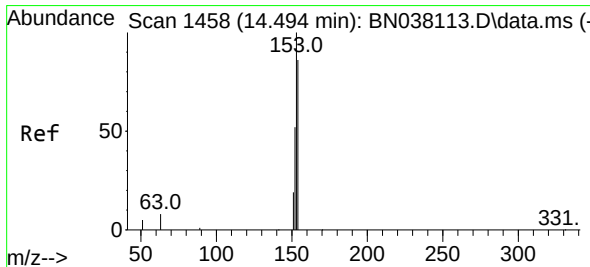
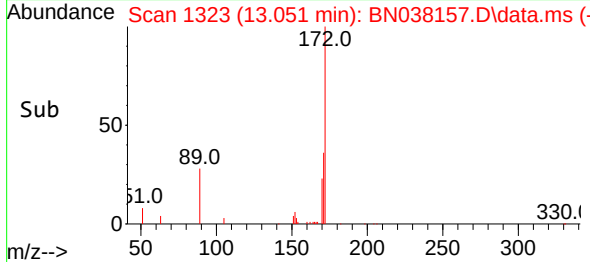
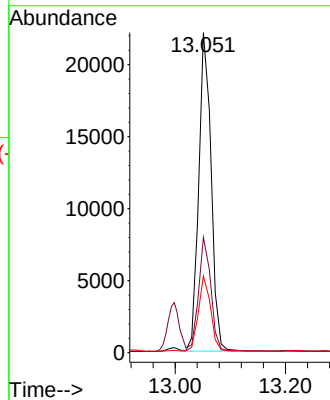
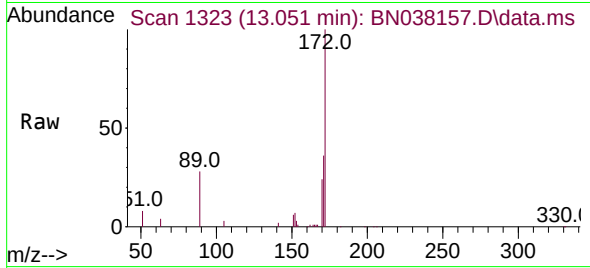




#15
2-Fluorobiphenyl
Concen: 0.357 ng
RT: 13.051 min Scan# 1323
Delta R.T. 0.000 min
Lab File: BN038157.D
Acq: 07 Nov 2025 16:46

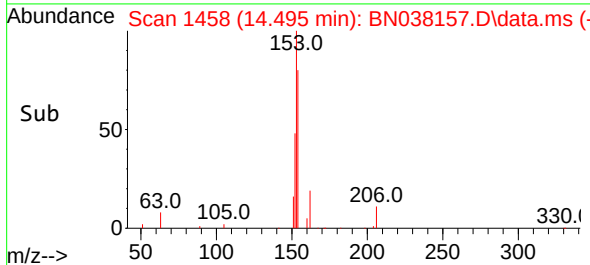
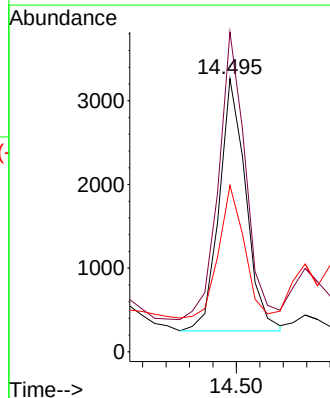
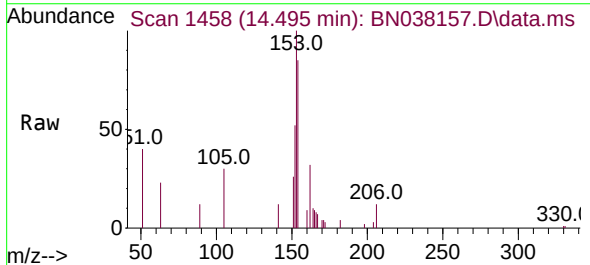
Instrument :
BNA_N
ClientSampleId :
MW-5

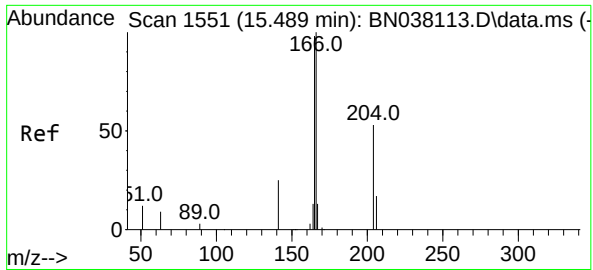
Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.0	27.8	41.6
170	24.0	18.1	27.1



#17
Acenaphthene
Concen: 0.063 ng
RT: 14.495 min Scan# 1458
Delta R.T. 0.000 min
Lab File: BN038157.D
Acq: 07 Nov 2025 16:46

Tgt Ion	Ratio	Lower	Upper
154	100		
153	114.5	90.0	135.0
152	53.3	47.3	70.9

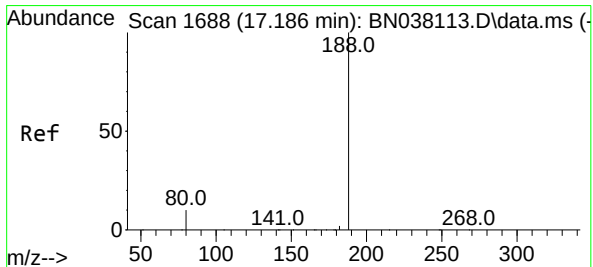
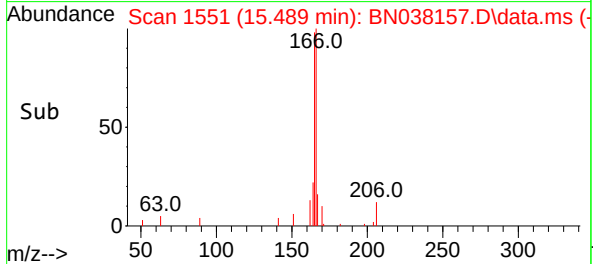
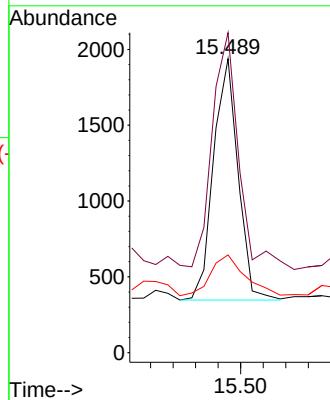
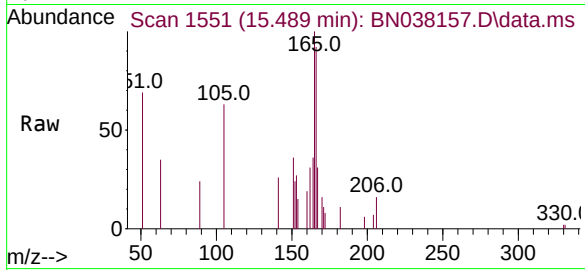




#18
Fluorene
Concen: 0.025 ng
RT: 15.489 min Scan# 1551
Delta R.T. -0.000 min
Lab File: BN038157.D
Acq: 07 Nov 2025 16:46

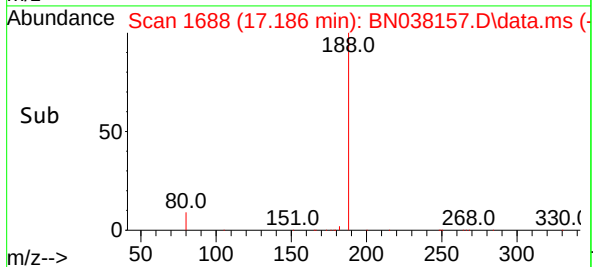
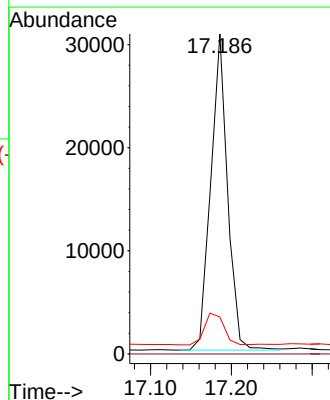
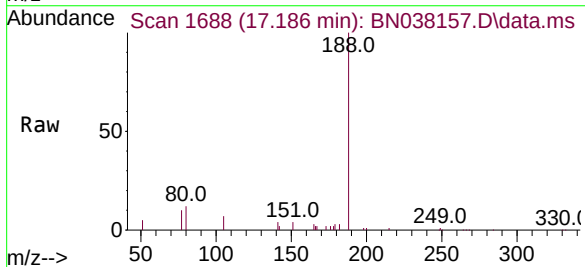
Instrument :
BNA_N
ClientSampleId :
MW-5

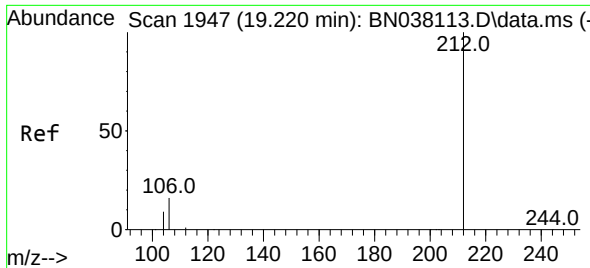
Tgt Ion:166 Resp: 2498
Ion Ratio Lower Upper
166 100
165 106.9 79.0 118.4
167 24.0 10.7 16.1#



#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.186 min Scan# 1688
Delta R.T. 0.000 min
Lab File: BN038157.D
Acq: 07 Nov 2025 16:46

Tgt Ion:188 Resp: 44332
Ion Ratio Lower Upper
188 100
94 0.0 0.0 0.0
80 11.5 8.6 13.0

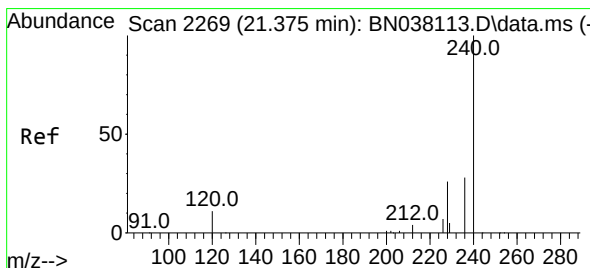
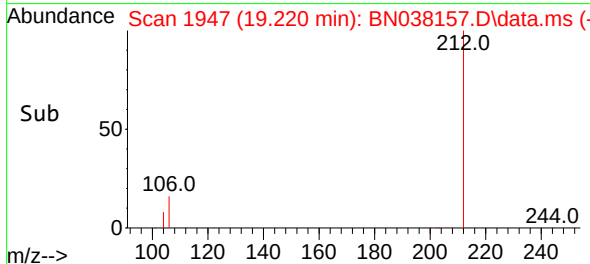
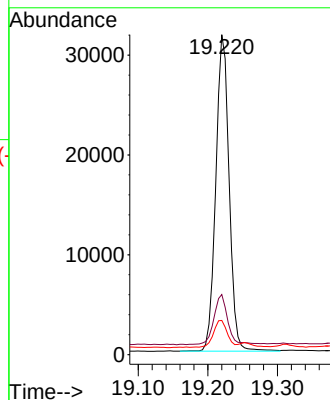
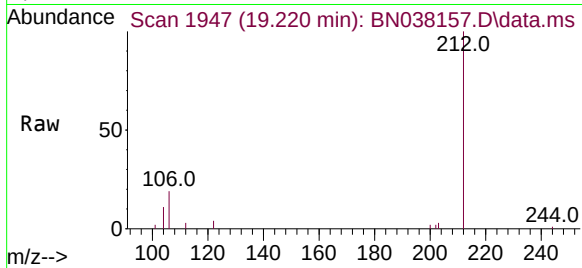




#27
Fluoranthene-d10
Concen: 0.377 ng
RT: 19.220 min Scan# 1947
Delta R.T. 0.000 min
Lab File: BN038157.D
Acq: 07 Nov 2025 16:46

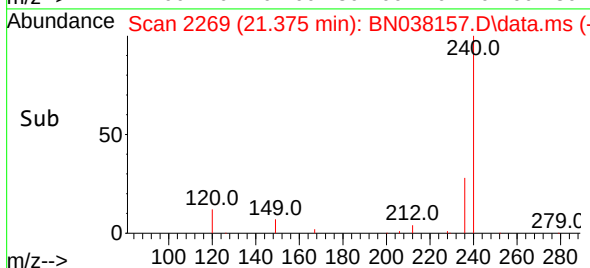
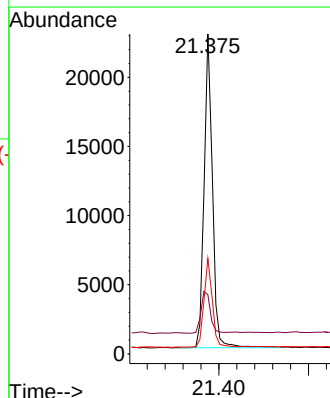
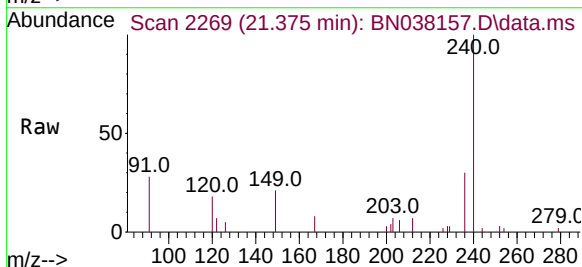
Instrument :
BNA_N
ClientSampleId :
MW-5

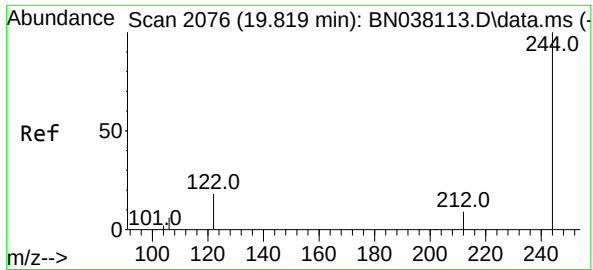
Tgt Ion	Ratio	Lower	Upper
212	100		
106	16.5	12.6	19.0
104	8.8	7.1	10.7



#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.375 min Scan# 2269
Delta R.T. 0.000 min
Lab File: BN038157.D
Acq: 07 Nov 2025 16:46

Tgt Ion	Ratio	Lower	Upper
240	100		
120	18.5	10.7	16.1
236	29.8	23.1	34.7

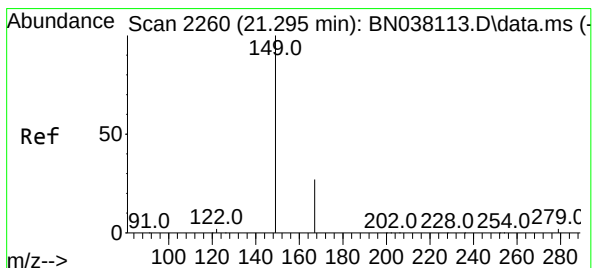
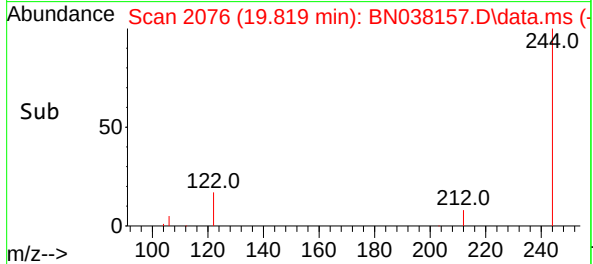
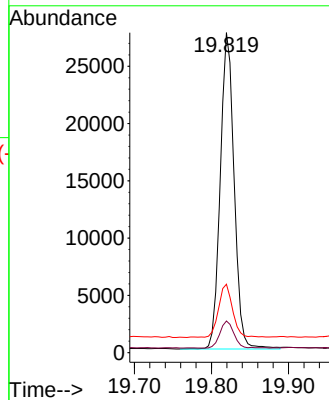
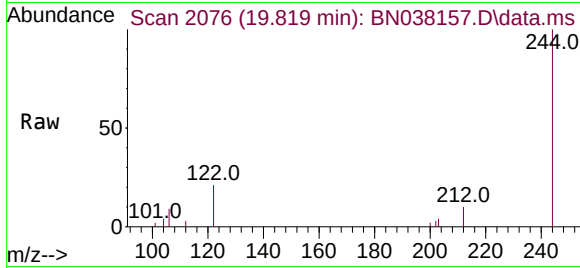




#31
Terphenyl-d14
Concen: 0.539 ng
RT: 19.819 min Scan# 2076
Delta R.T. 0.000 min
Lab File: BN038157.D
Acq: 07 Nov 2025 16:46

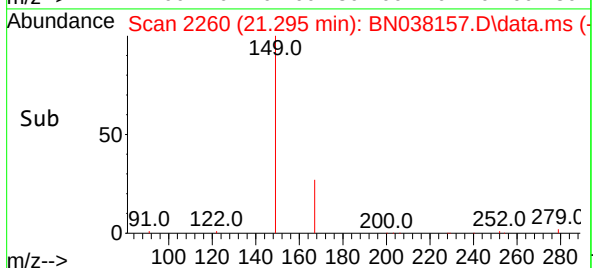
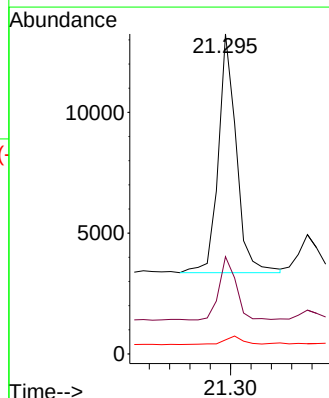
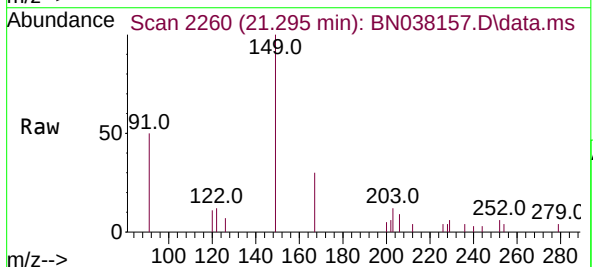
Instrument :
BNA_N
ClientSampleId :
MW-5

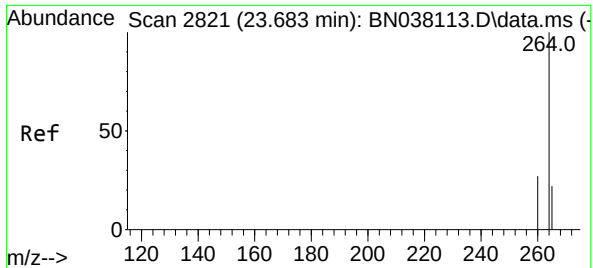
Tgt Ion	Ratio	Lower	Upper
244	100		
212	9.9	7.8	11.6
122	21.4	15.2	22.8



#34
Bis(2-ethylhexyl)phthalate
Concen: 0.218 ng
RT: 21.295 min Scan# 2260
Delta R.T. 0.000 min
Lab File: BN038157.D
Acq: 07 Nov 2025 16:46

Tgt Ion	Ratio	Lower	Upper
149	100		
167	25.0	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: BN038157.D

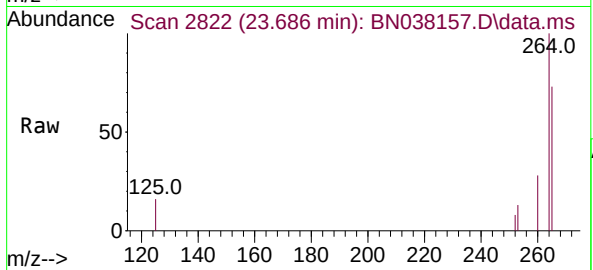
Acq: 07 Nov 2025 16:46

Instrument :

BNA_N

ClientSampleId :

MW-5



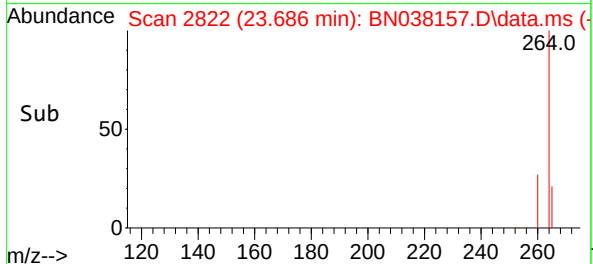
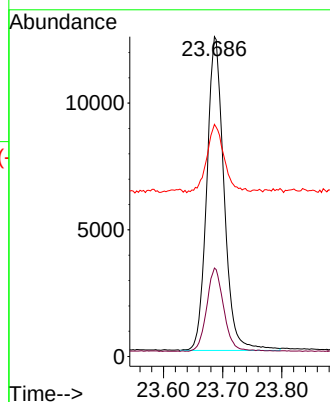
Tgt Ion:264 Resp: 25013

Ion	Ratio	Lower	Upper
-----	-------	-------	-------

264	100		
-----	-----	--	--

260	27.7	21.8	32.8
-----	------	------	------

265	72.6	68.6	102.8
-----	------	------	-------





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

Report of Analysis

Client:	Remington & Vernick Engineers		Date Collected:	11/03/25
Project:	Edison Landfill		Date Received:	11/04/25
Client Sample ID:	MW-EB-1		SDG No.:	Q3534
Lab Sample ID:	Q3534-05		Matrix:	Water
Analytical Method:	SW8270ESIM	Level: LOW	% Solid:	0
Sample Wt/Vol:	990 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	6.30	E	1	0.070	0.20	ug/L	11/07/25 15:33	PB170427
SURROGATES									
7297-45-2	2-Methylnaphthalene-d10	0.34			30 (20) - 150 (139)	84%	SPK: 0.4		
93951-69-0	Fluoranthene-d10	0.36			30 (54) - 150 (157)	89%	SPK: 0.4		
4165-60-0	Nitrobenzene-d5	0.37			30 (27) - 130 (154)	93%	SPK: 0.4		
321-60-8	2-Fluorobiphenyl	0.13			30 (30) - 130 (155)	32%	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	10900							
1146-65-2	Naphthalene-d8	36100							
15067-26-2	Acenaphthene-d10	60200							
1517-22-2	Phenanthrene-d10	41500							
1719-03-5	Chrysene-d12	24600							
1520-96-3	Perylene-d12	21600							

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

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN110725\
 Data File : BN038155.D
 Acq On : 07 Nov 2025 15:33
 Operator : RC/JU
 Sample : Q3534-05
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 MW-EB-1

Quant Time: Nov 07 15:57:22 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)

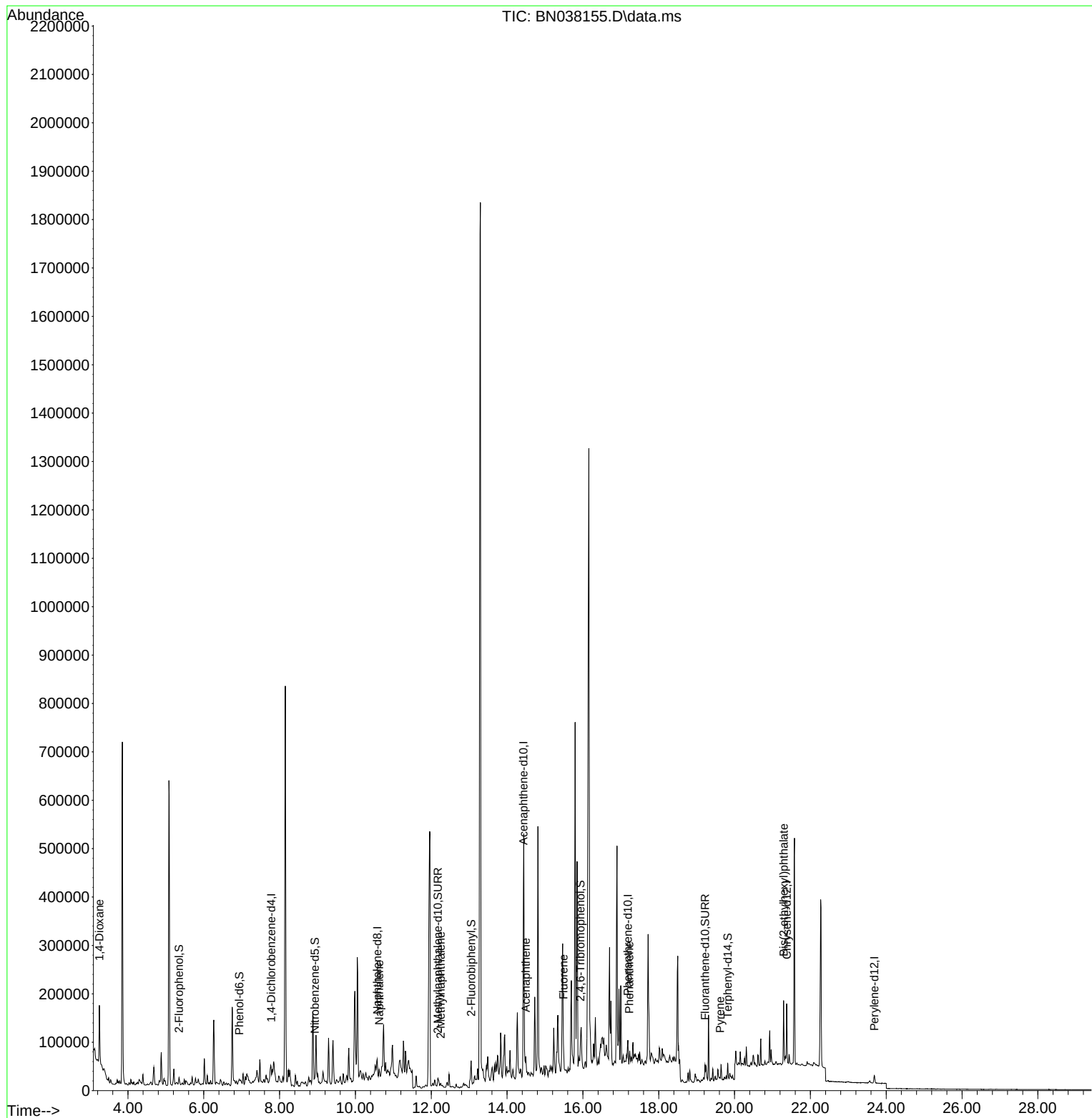
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.775	152	10875	0.400	ng	0.00
7) Naphthalene-d8	10.573	136	36113	0.400	ng	# 0.00
13) Acenaphthene-d10	14.430	164	60230	0.400	ng	# 0.00
19) Phenanthrene-d10	17.186	188	41457	0.400	ng	# 0.00
29) Chrysene-d12	21.375	240	24620	0.400	ng	# 0.00
35) Perylene-d12	23.686	264	21598	0.400	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.348	112	5544	0.216	ng	0.00
5) Phenol-d6	6.937	99	4724	0.151	ng	0.00
8) Nitrobenzene-d5	8.929	82	10835	0.372	ng	0.00
11) 2-Methylnaphthalene-d10	12.177	152	17454	0.338	ng	0.00
14) 2,4,6-Tribromophenol	15.932	330	4807	0.194	ng	0.00
15) 2-Fluorobiphenyl	13.051	172	31043	0.129	ng	0.00
27) Fluoranthene-d10	19.220	212	37172	0.356	ng	0.00
31) Terphenyl-d14	19.819	244	28988	0.542	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	3.247	88	69584	6.193	ng	# 67
9) Naphthalene	10.626	128	10942	0.110	ng	# 64
12) 2-Methylnaphthalene	12.248	142	26668	0.402	ng	# 66
17) Acenaphthene	14.495	154	16665	0.087	ng	# 92
18) Fluorene	15.489	166	24274	0.097	ng	# 56
25) Phenanthrene	17.223	178	7934	0.060	ng	# 83
30) Pyrene	19.615	202	5283	0.048	ng	# 87
34) Bis(2-ethylhexyl)phtha...	21.295	149	124078	2.682	ng	96

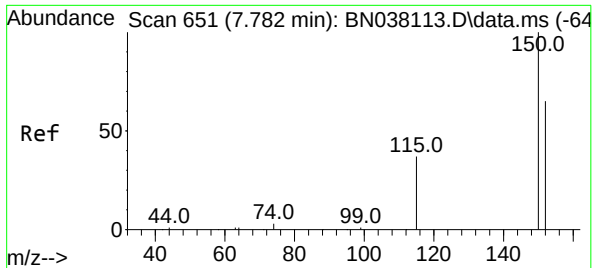
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN110725\
Data File : BN038155.D
Acq On : 07 Nov 2025 15:33
Operator : RC/JU
Sample : Q3534-05
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
MW-EB-1

Quant Time: Nov 07 15:57:22 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

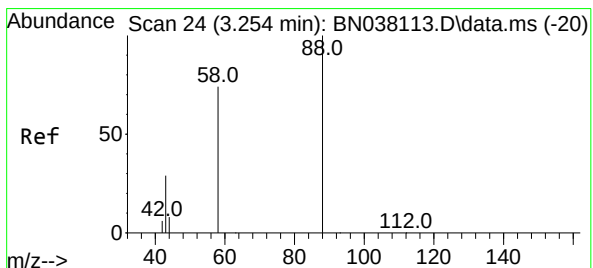
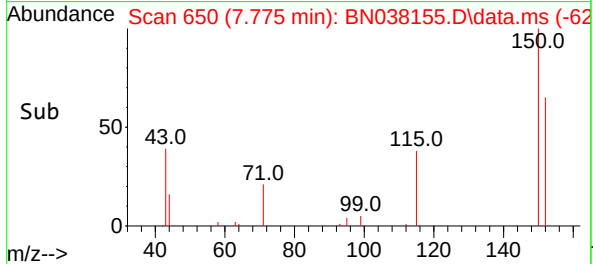
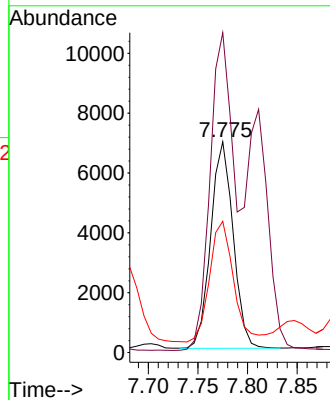
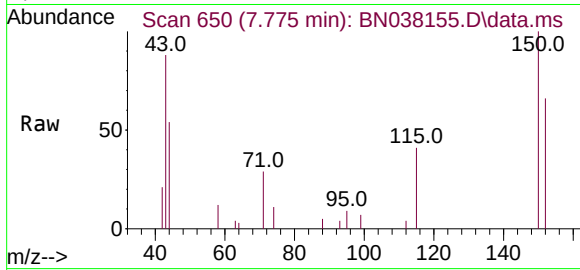




#1
 1,4-Dichlorobenzene-d4
 Concen: 0.400 ng
 RT: 7.775 min Scan# 61
 Delta R.T. 0.000 min
 Lab File: BN038155.D
 Acq: 07 Nov 2025 15:33

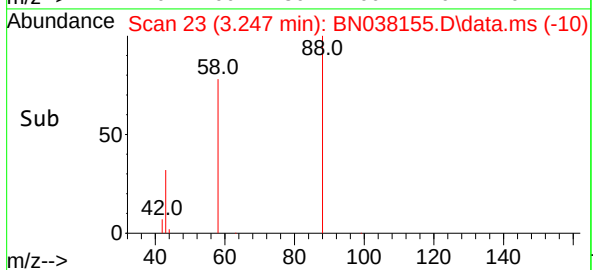
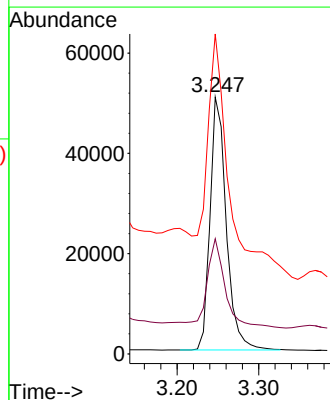
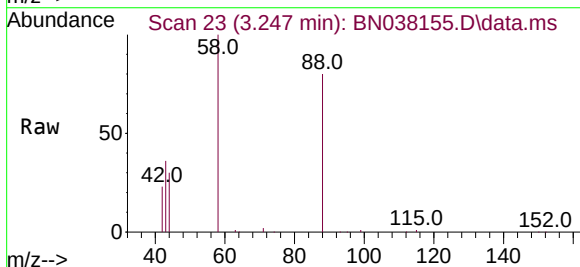
Instrument :
 BNA_N
 ClientSampleId :
 MW-EB-1

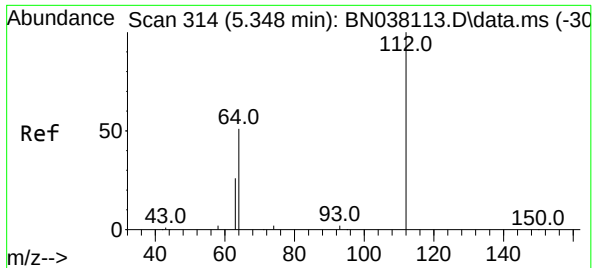
Tgt Ion:152 Resp: 10875
 Ion Ratio Lower Upper
 152 100
 150 151.8 122.3 183.5
 115 62.3 47.4 71.0



#2
 1,4-Dioxane
 Concen: 6.193 ng
 RT: 3.247 min Scan# 23
 Delta R.T. -0.007 min
 Lab File: BN038155.D
 Acq: 07 Nov 2025 15:33

Tgt Ion: 88 Resp: 69584
 Ion Ratio Lower Upper
 88 100
 43 38.7 24.3 36.5#
 58 110.1 60.4 90.6#

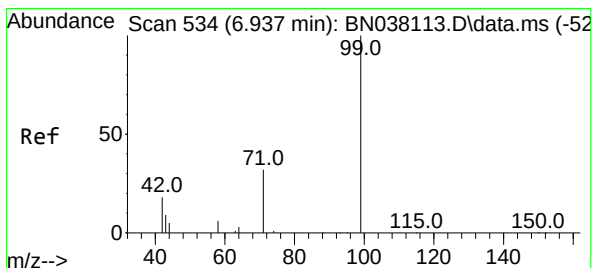
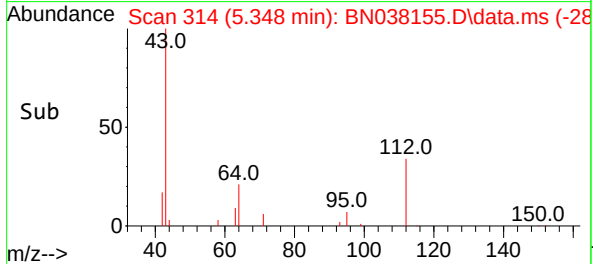
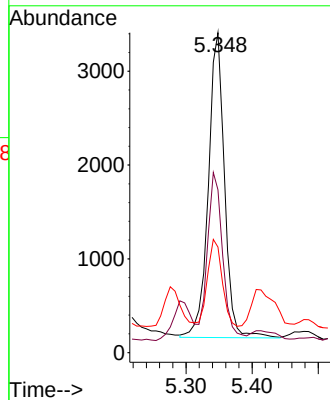
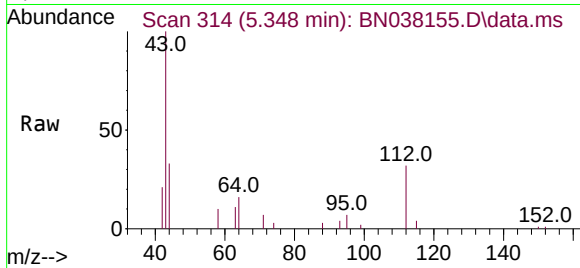




#4
2-Fluorophenol
Concen: 0.216 ng
RT: 5.348 min Scan# 314
Delta R.T. 0.000 min
Lab File: BN038155.D
Acq: 07 Nov 2025 15:33

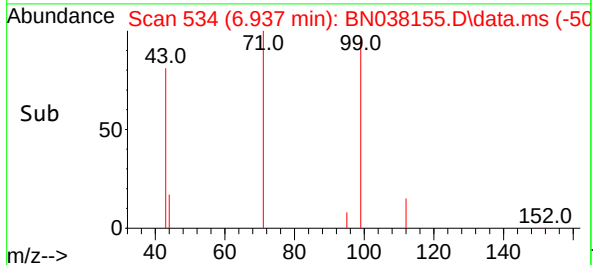
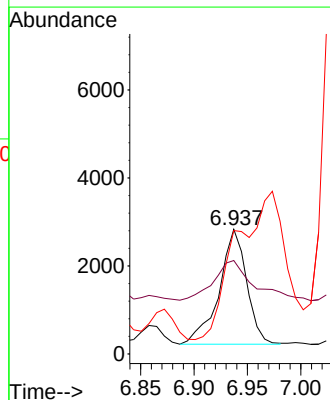
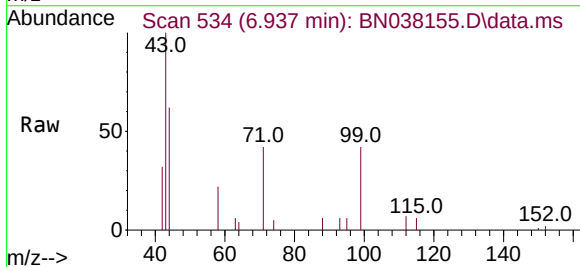
Instrument :
BNA_N
ClientSampleId :
MW-EB-1

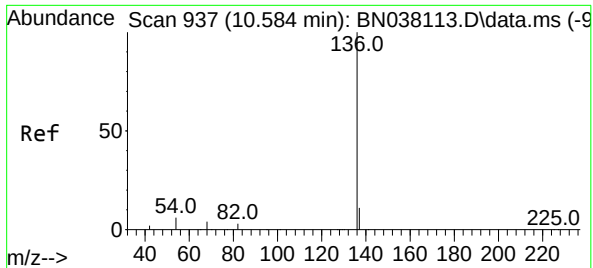
Tgt Ion	Ratio	Lower	Upper
112	100		
64	50.7	45.4	68.0
63	26.4	23.2	34.8



#5
Phenol-d6
Concen: 0.151 ng
RT: 6.937 min Scan# 534
Delta R.T. 0.000 min
Lab File: BN038155.D
Acq: 07 Nov 2025 15:33

Tgt Ion	Ratio	Lower	Upper
99	100		
42	65.6	16.6	24.8#
71	0.0	25.4	38.2#

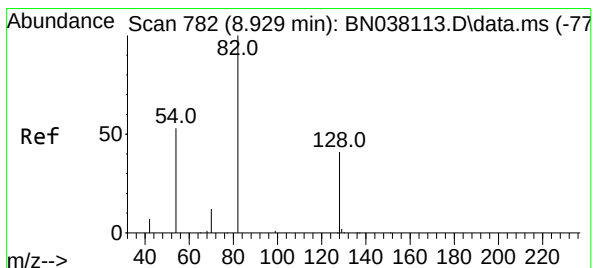
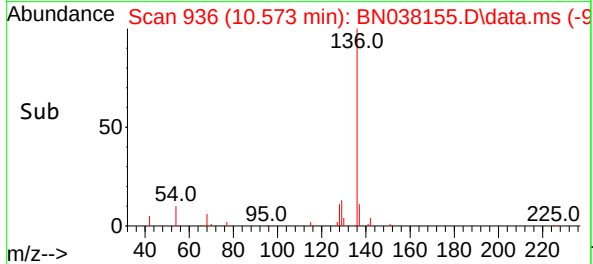
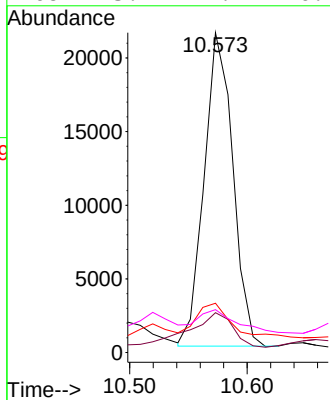
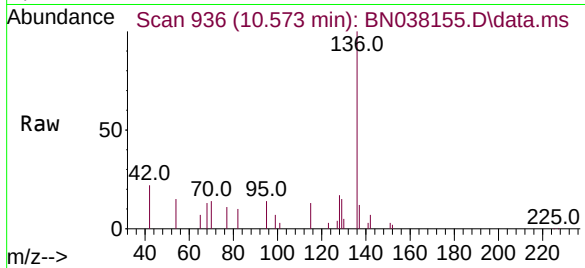




#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.573 min Scan# 937
Delta R.T. 0.000 min
Lab File: BN038155.D
Acq: 07 Nov 2025 15:33

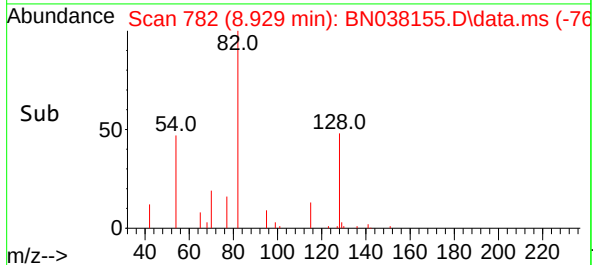
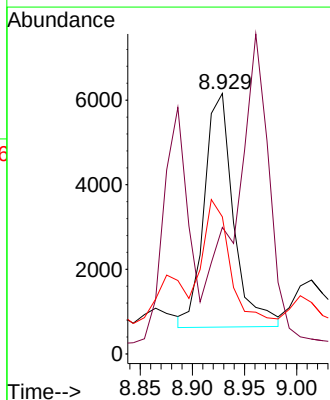
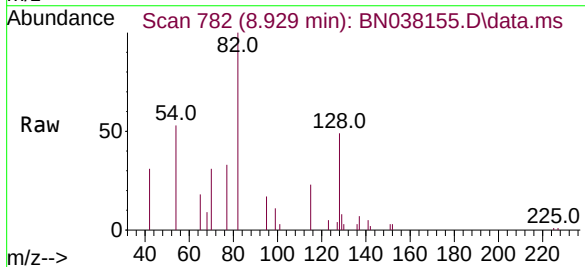
Instrument :
BNA_N
ClientSampleId :
MW-EB-1

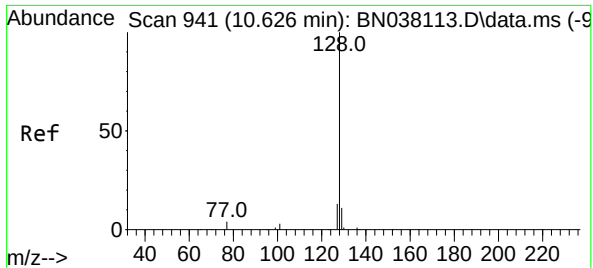
Tgt Ion:	136	Resp:	36113
Ion	Ratio	Lower	Upper
136	100		
137	12.5	9.0	13.4
54	15.4	5.2	7.8#
68	13.4	4.1	6.1#



#8
Nitrobenzene-d5
Concen: 0.372 ng
RT: 8.929 min Scan# 782
Delta R.T. 0.000 min
Lab File: BN038155.D
Acq: 07 Nov 2025 15:33

Tgt Ion:	82	Resp:	10835
Ion	Ratio	Lower	Upper
82	100		
128	48.6	34.1	51.1
54	52.6	43.5	65.3

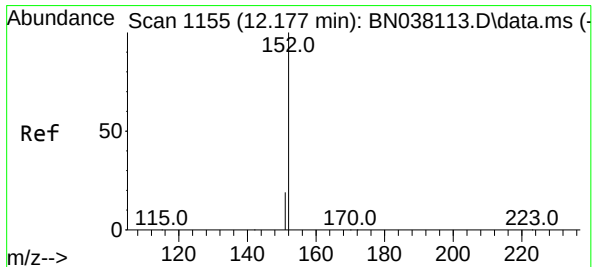
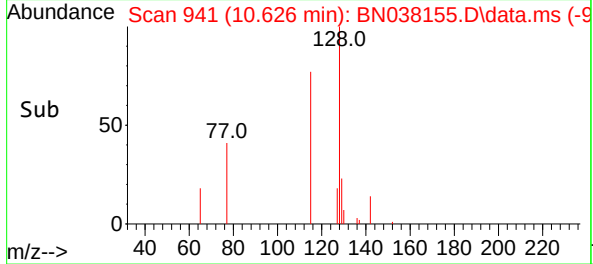
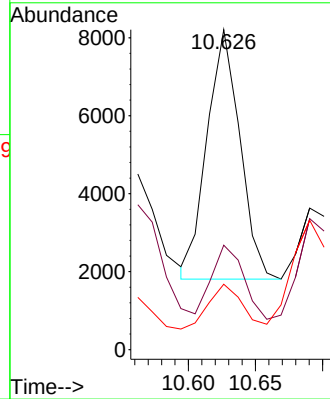
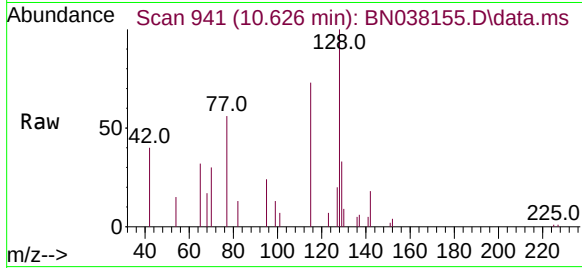




#9
Naphthalene
Concen: 0.110 ng
RT: 10.626 min Scan# 941
Delta R.T. 0.000 min
Lab File: BN038155.D
Acq: 07 Nov 2025 15:33

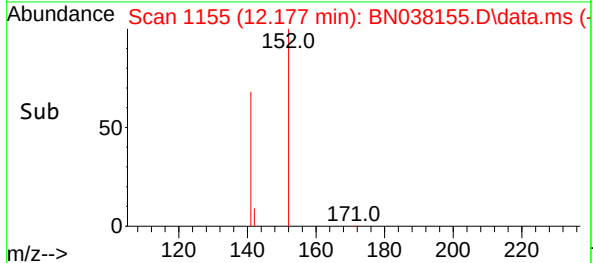
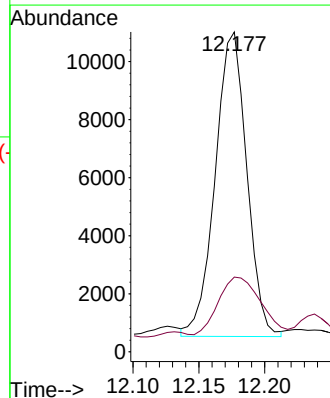
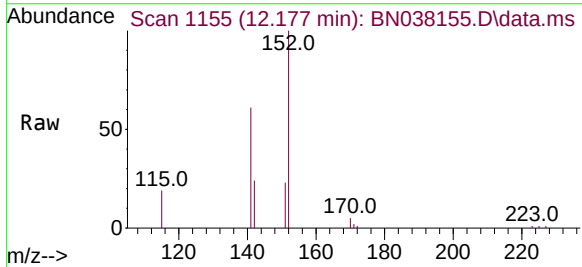
Instrument :
BNA_N
ClientSampleId :
MW-EB-1

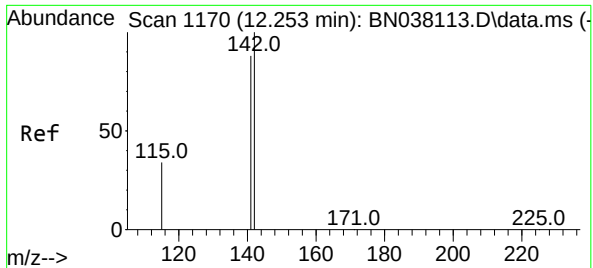
Tgt Ion:128 Resp: 10942
Ion Ratio Lower Upper
128 100
129 32.6 9.1 13.7#
127 20.4 10.5 15.7#



#11
2-Methylnaphthalene-d10
Concen: 0.338 ng
RT: 12.177 min Scan# 1155
Delta R.T. 0.000 min
Lab File: BN038155.D
Acq: 07 Nov 2025 15:33

Tgt Ion:152 Resp: 17454
Ion Ratio Lower Upper
152 100
151 25.6 16.8 25.2#

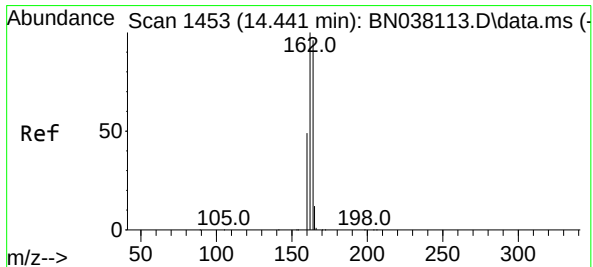
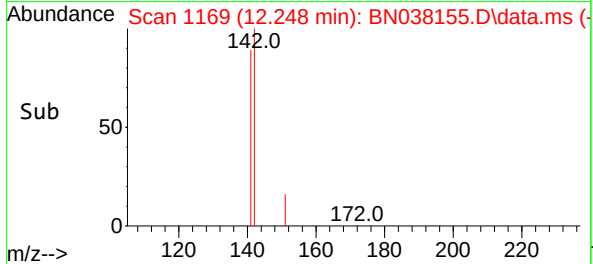
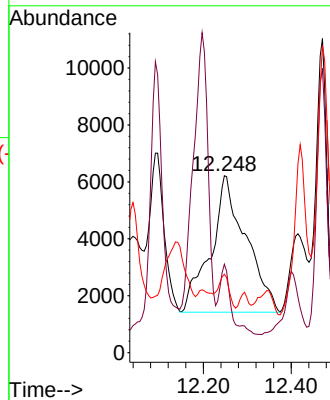
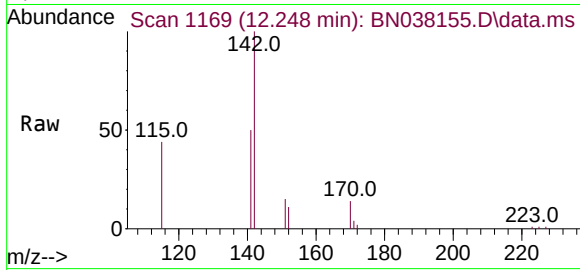




#12
2-Methylnaphthalene
Concen: 0.402 ng
RT: 12.248 min Scan# 1170
Delta R.T. 0.000 min
Lab File: BN038155.D
Acq: 07 Nov 2025 15:33

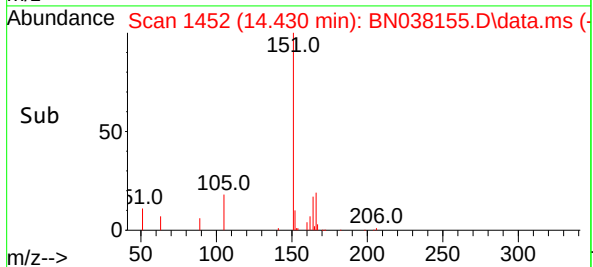
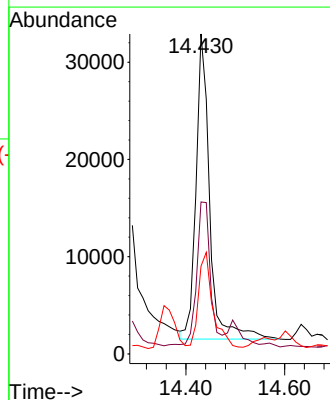
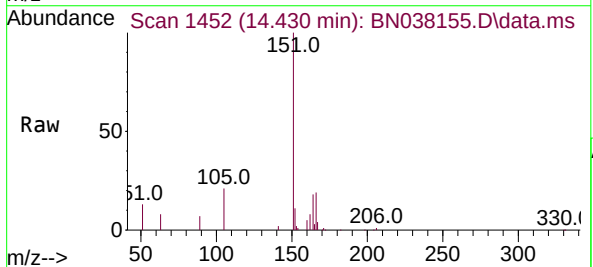
Instrument :
BNA_N
ClientSampleId :
MW-EB-1

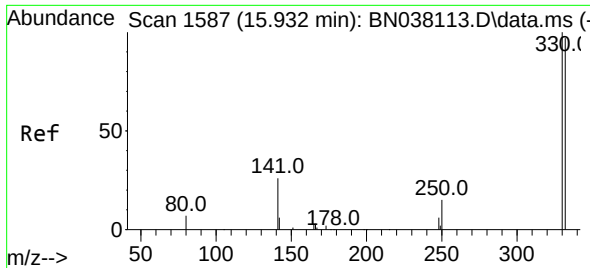
Tgt Ion:142 Resp: 26668
Ion Ratio Lower Upper
142 100
141 50.0 70.3 105.5#
115 44.2 27.8 41.6#



#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.430 min Scan# 1452
Delta R.T. 0.000 min
Lab File: BN038155.D
Acq: 07 Nov 2025 15:33

Tgt Ion:164 Resp: 60230
Ion Ratio Lower Upper
164 100
162 47.5 83.0 124.4#
160 27.4 40.7 61.1#





#14

2,4,6-Tribromophenol

Concen: 0.194 ng

RT: 15.932 min Scan# 11

Delta R.T. 0.000 min

Lab File: BN038155.D

Acq: 07 Nov 2025 15:33

Instrument :

BNA_N

ClientSampleId :

MW-EB-1

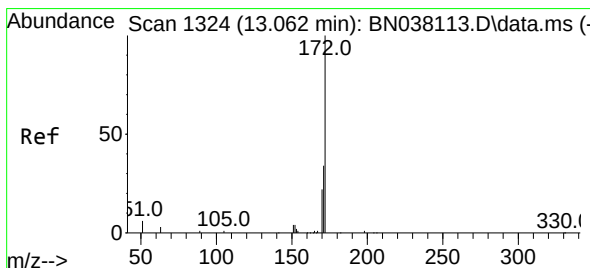
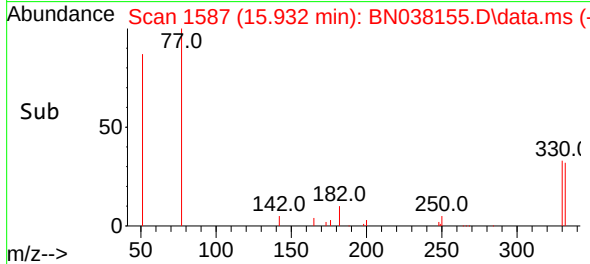
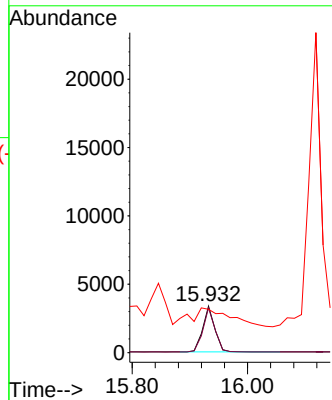
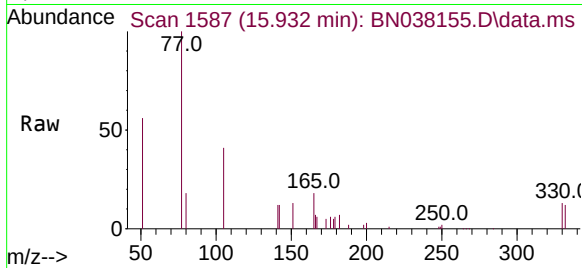
Tgt Ion:330 Resp: 4807

Ion Ratio Lower Upper

330 100

332 96.5 76.6 114.8

141 125.5 34.1 51.1#



#15

2-Fluorobiphenyl

Concen: 0.129 ng

RT: 13.051 min Scan# 1323

Delta R.T. 0.000 min

Lab File: BN038155.D

Acq: 07 Nov 2025 15:33

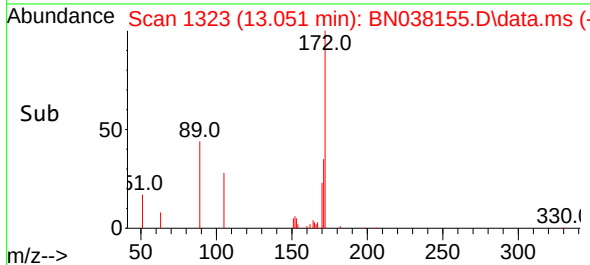
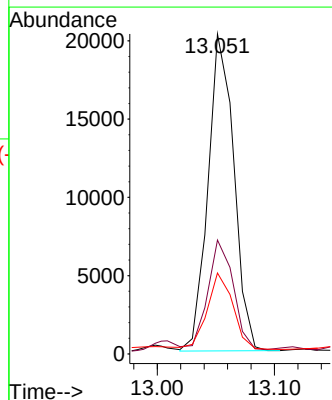
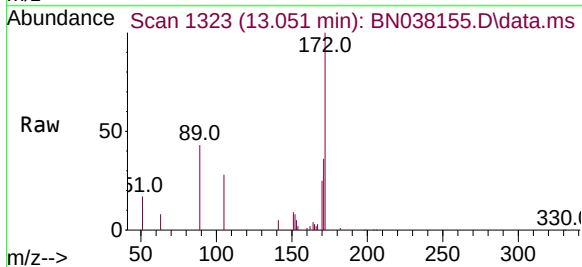
Tgt Ion:172 Resp: 31043

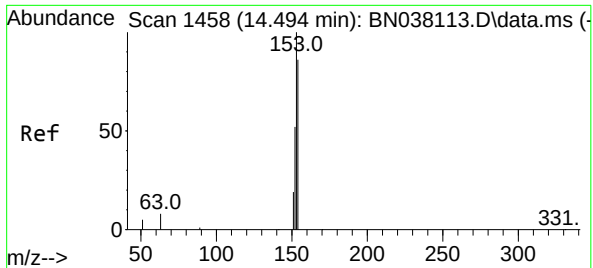
Ion Ratio Lower Upper

172 100

171 35.6 27.8 41.6

170 25.3 18.1 27.1

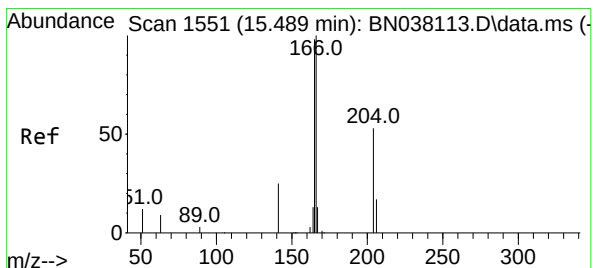
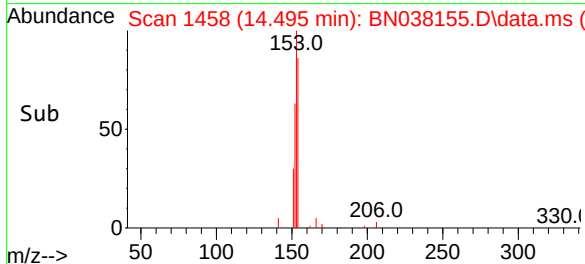
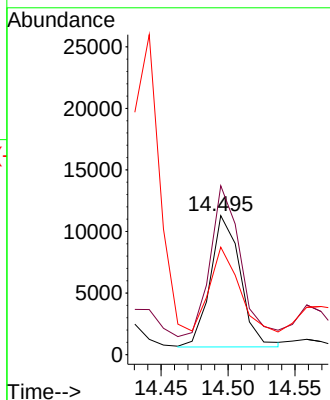
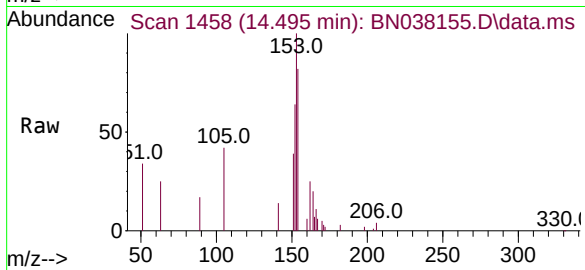




#17
Acenaphthene
Concen: 0.087 ng
RT: 14.495 min Scan# 1458
Delta R.T. 0.000 min
Lab File: BN038155.D
Acq: 07 Nov 2025 15:33

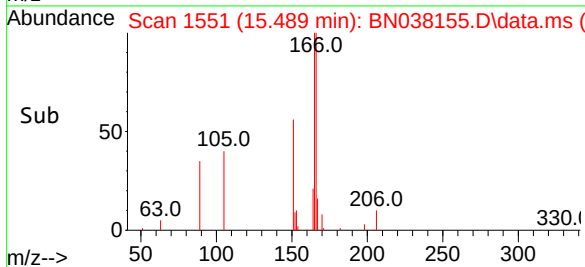
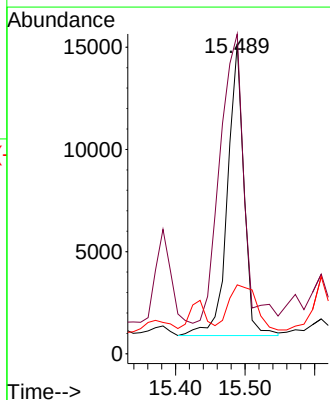
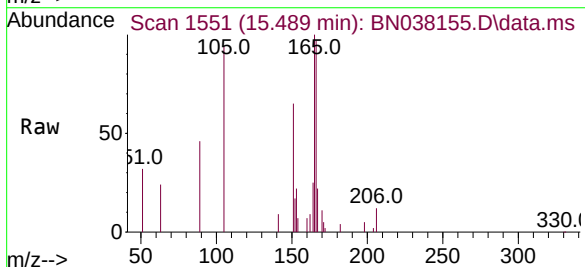
Instrument :
BNA_N
ClientSampleId :
MW-EB-1

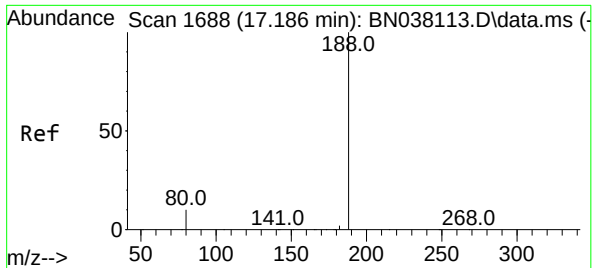
Tgt Ion	154	153	152
Resp:	16665	113.7	74.4
Ion Ratio	100	100	100
Lower		90.0	47.3
Upper		135.0	70.9



#18
Fluorene
Concen: 0.097 ng
RT: 15.489 min Scan# 1551
Delta R.T. -0.000 min
Lab File: BN038155.D
Acq: 07 Nov 2025 15:33

Tgt Ion	166	165	167
Resp:	24274	143.9	25.8
Ion Ratio	100	100	100
Lower		79.0	10.7
Upper		118.4	16.1





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 17.186 min Scan# 1688

Delta R.T. 0.000 min

Lab File: BN038155.D

Acq: 07 Nov 2025 15:33

Instrument :

BNA_N

ClientSampleId :

MW-EB-1

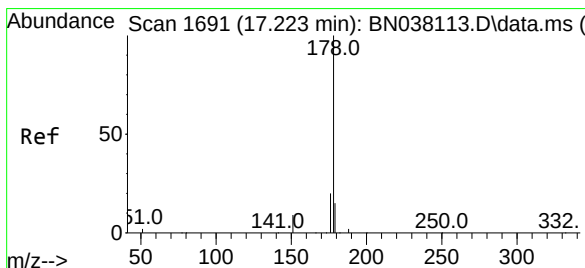
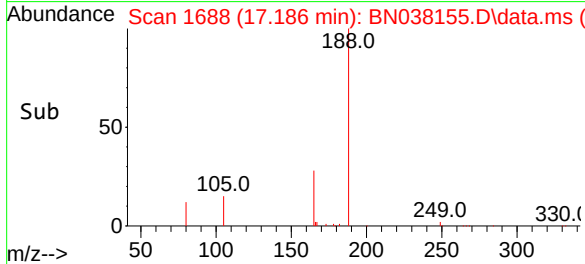
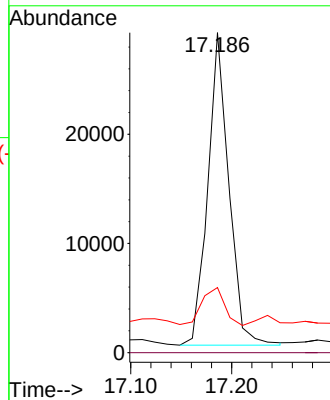
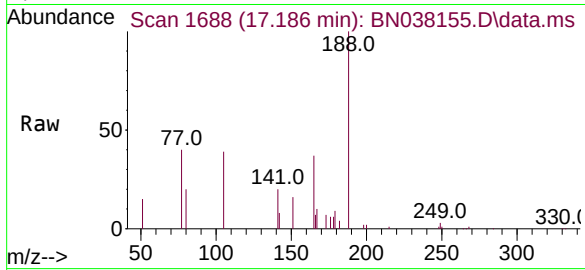
Tgt Ion:188 Resp: 41457

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

80 20.3 8.6 13.0#



#25

Phenanthrene

Concen: 0.060 ng

RT: 17.223 min Scan# 1691

Delta R.T. 0.000 min

Lab File: BN038155.D

Acq: 07 Nov 2025 15:33

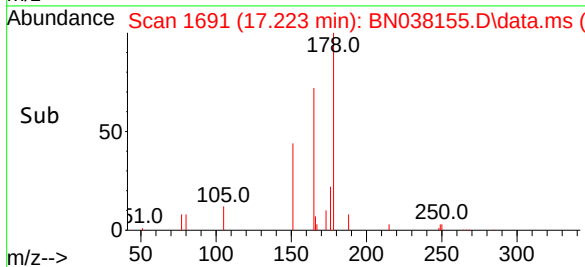
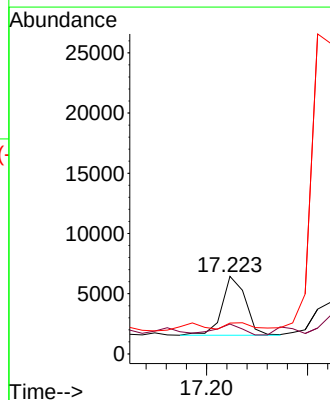
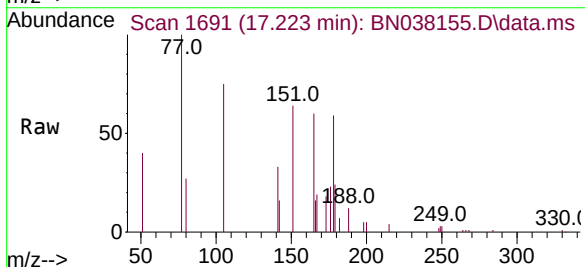
Tgt Ion:178 Resp: 7934

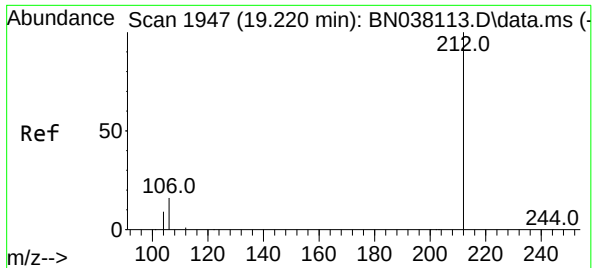
Ion Ratio Lower Upper

178 100

176 20.5 15.5 23.3

179 0.0 12.2 18.4#

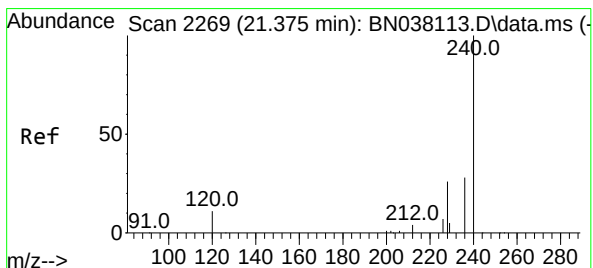
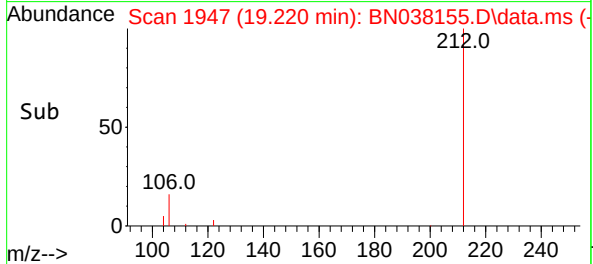
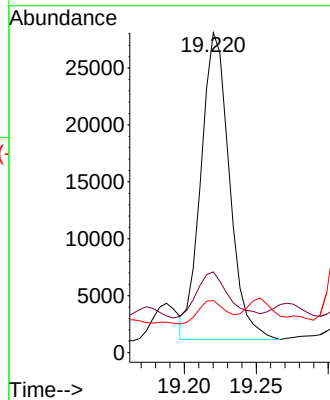
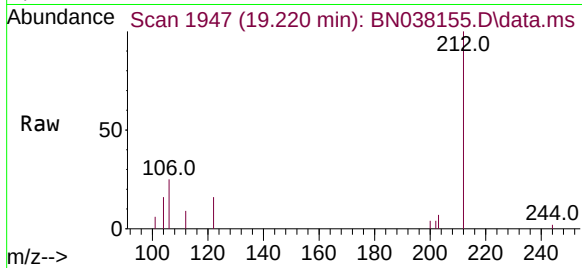




#27
Fluoranthene-d10
Concen: 0.356 ng
RT: 19.220 min Scan# 1947
Delta R.T. 0.000 min
Lab File: BN038155.D
Acq: 07 Nov 2025 15:33

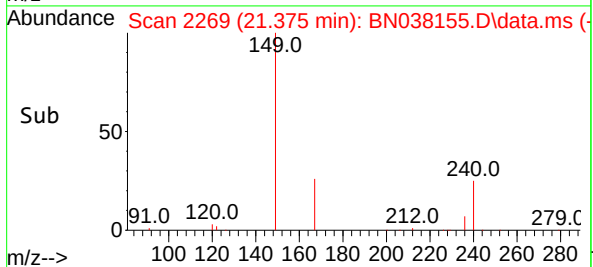
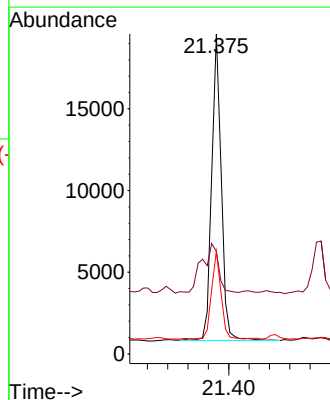
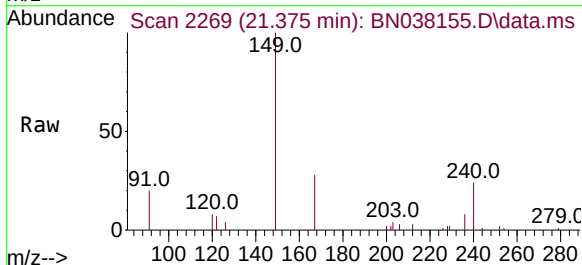
Instrument :
BNA_N
ClientSampleId :
MW-EB-1

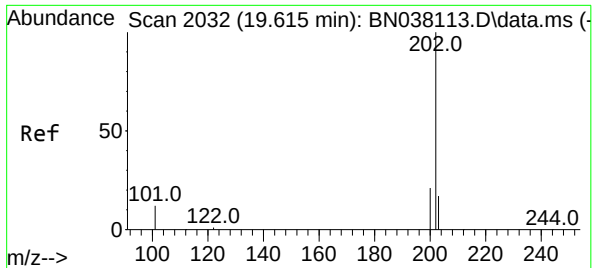
Tgt Ion:	212	Resp:	37172
Ion Ratio	Lower	Upper	
212	100		
106	19.7	12.6	19.0#
104	8.1	7.1	10.7



#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.375 min Scan# 2269
Delta R.T. 0.000 min
Lab File: BN038155.D
Acq: 07 Nov 2025 15:33

Tgt Ion:	240	Resp:	24620
Ion Ratio	Lower	Upper	
240	100		
120	32.0	10.7	16.1#
236	32.1	23.1	34.7

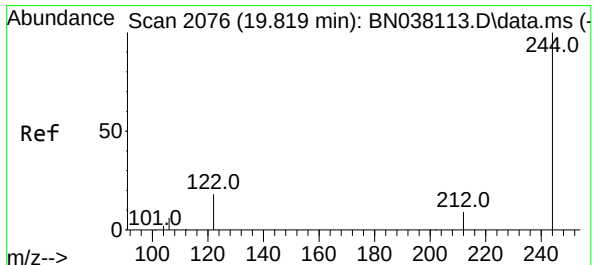
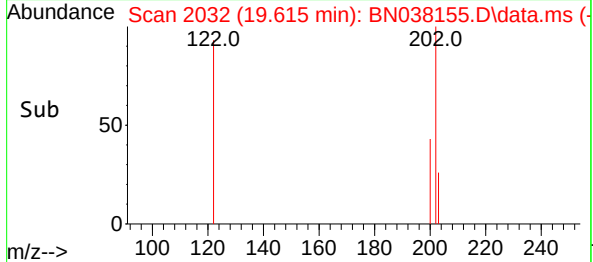
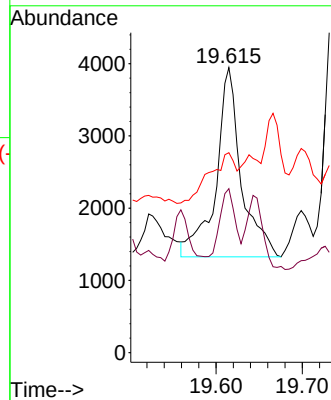
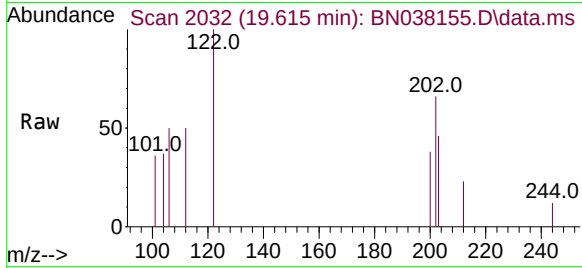




#30
Pyrene
Concen: 0.048 ng
RT: 19.615 min Scan# 2032
Delta R.T. 0.005 min
Lab File: BN038155.D
Acq: 07 Nov 2025 15:33

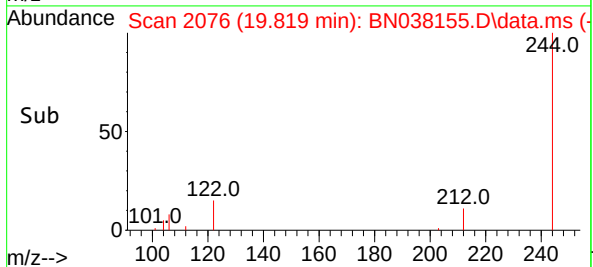
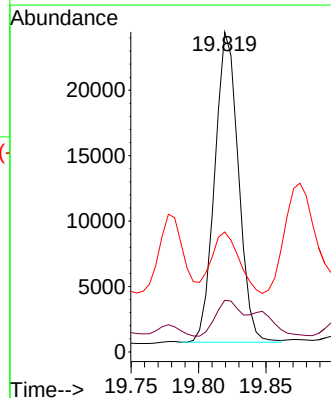
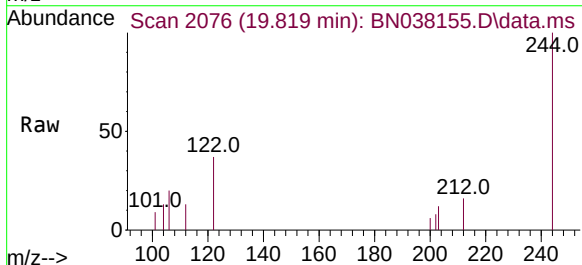
Instrument :
BNA_N
ClientSampleId :
MW-EB-1

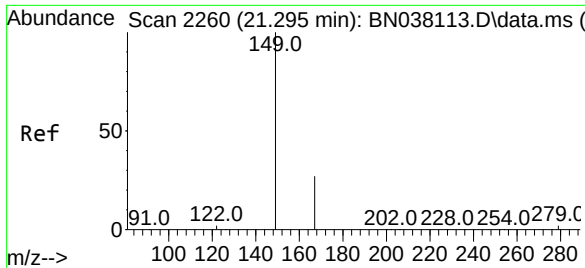
Tgt Ion:	202	Resp:	5283
Ion Ratio	Lower	Upper	
202	100		
200	23.6	16.7	25.1
203	27.2	14.2	21.2



#31
Terphenyl-d14
Concen: 0.542 ng
RT: 19.819 min Scan# 2076
Delta R.T. 0.000 min
Lab File: BN038155.D
Acq: 07 Nov 2025 15:33

Tgt Ion:	244	Resp:	28988
Ion Ratio	Lower	Upper	
244	100		
212	16.1	7.8	11.6
122	37.5	15.2	22.8

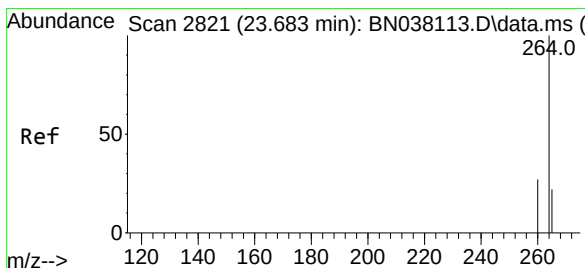
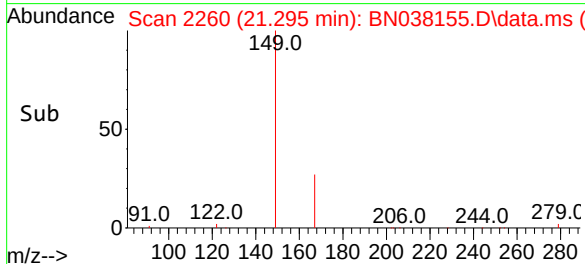
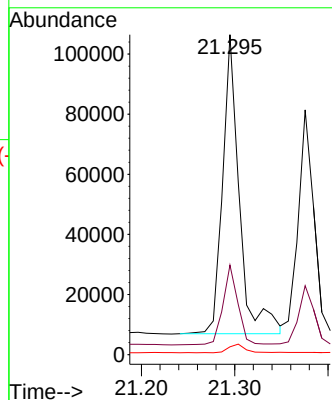
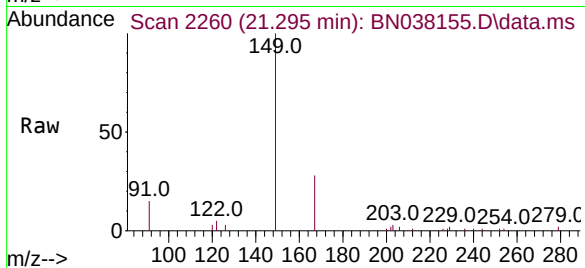




#34
Bis(2-ethylhexyl)phthalate
Concen: 2.682 ng
RT: 21.295 min Scan# 21
Delta R.T. 0.000 min
Lab File: BN038155.D
Acq: 07 Nov 2025 15:33

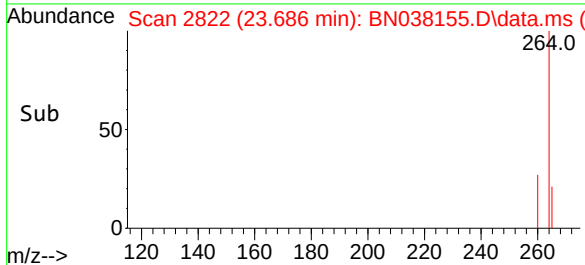
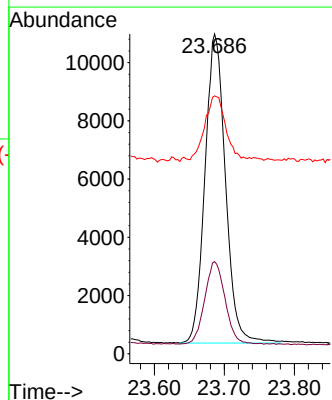
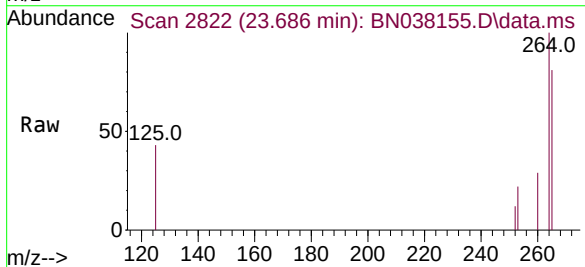
Instrument :
BNA_N
ClientSampleId :
MW-EB-1

Tgt Ion:149 Resp: 124078
Ion Ratio Lower Upper
149 100
167 23.9 21.1 31.7
279 3.1 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: BN038155.D
Acq: 07 Nov 2025 15:33

Tgt Ion:264 Resp: 21598
Ion Ratio Lower Upper
264 100
260 28.8 21.8 32.8
265 80.6 68.6 102.8





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

Report of Analysis

Client:	Remington & Vernick Engineers		Date Collected:	11/03/25
Project:	Edison Landfill		Date Received:	11/04/25
Client Sample ID:	MW-EB-1DL		SDG No.:	Q3534
Lab Sample ID:	Q3534-05DL		Matrix:	Water
Analytical Method:	SW8270ESIM	Level: LOW	% Solid:	0
Sample Wt/Vol:	990 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	6.70	D	2	0.13	0.40	ug/L	11/10/25 11:26	PB170427
SURROGATES									
7297-45-2	2-Methylnaphthalene-d10	0.38			30 (20) - 150 (139)	95%	SPK: 0.4		
93951-69-0	Fluoranthene-d10	0.40			30 (54) - 150 (157)	101%	SPK: 0.4		
4165-60-0	Nitrobenzene-d5	0.39			30 (27) - 130 (154)	97%	SPK: 0.4		
321-60-8	2-Fluorobiphenyl	0.21			30 (30) - 130 (155)	53%	SPK: 0.4		
1718-51-0	Terphenyl-d14	0.55	*		30 (54) - 130 (175)	138%	SPK: 0.4		
INTERNAL STANDARDS		Area Count							
3855-82-1	1,4-Dichlorobenzene-d4	9990							
1146-65-2	Naphthalene-d8	33100							
15067-26-2	Acenaphthene-d10	39700							
1517-22-2	Phenanthrene-d10	43600							
1719-03-5	Chrysene-d12	31500							
1520-96-3	Perylene-d12	25900							

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

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN111025\
 Data File : BN038176.D
 Acq On : 10 Nov 2025 11:26
 Operator : RC/JU
 Sample : Q3534-05DL 2X
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 MW-EB-1DL

Quant Time: Nov 10 11:53:56 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)

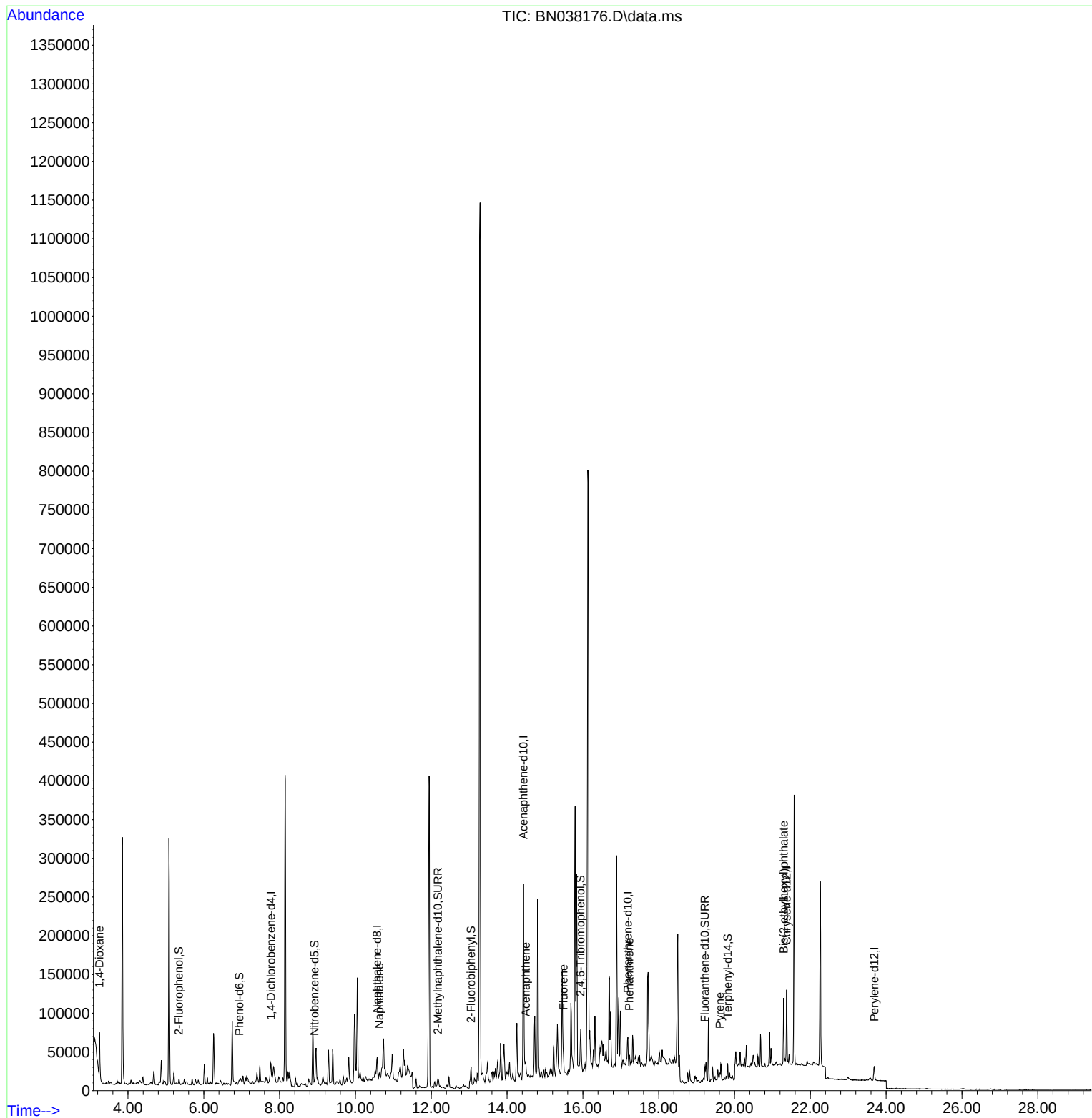
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.775	152	9993	0.400	ng	0.00
7) Naphthalene-d8	10.573	136	33147	0.400	ng	# 0.00
13) Acenaphthene-d10	14.430	164	39685	0.400	ng	# 0.00
19) Phenanthrene-d10	17.186	188	43630	0.400	ng	# 0.00
29) Chrysene-d12	21.375	240	31483	0.400	ng	# 0.00
35) Perylene-d12	23.686	264	25895	0.400	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.341	112	3513	0.149	ng	0.00
5) Phenol-d6	6.937	99	2646	0.092	ng	0.00
8) Nitrobenzene-d5	8.918	82	5197	0.194	ng	-0.01
11) 2-Methylnaphthalene-d10	12.172	152	9040	0.191	ng	0.00
14) 2,4,6-Tribromophenol	15.932	330	2560	0.157	ng	0.00
15) 2-Fluorobiphenyl	13.051	172	16824	0.106	ng	0.00
27) Fluoranthene-d10	19.220	212	22271	0.202	ng	0.00
31) Terphenyl-d14	19.819	244	18892	0.276	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	3.247	88	34359	3.328	ng	# 62
9) Naphthalene	10.626	128	5986	0.066	ng	# 63
17) Acenaphthene	14.494	154	8783	0.070	ng	# 93
18) Fluorene	15.489	166	12858	0.078	ng	# 61
25) Phenanthrene	17.223	178	6676	0.048	ng	# 81
30) Pyrene	19.615	202	8875	0.062	ng	# 83
34) Bis(2-ethylhexyl)phtha...	21.295	149	80278	1.357	ng	96

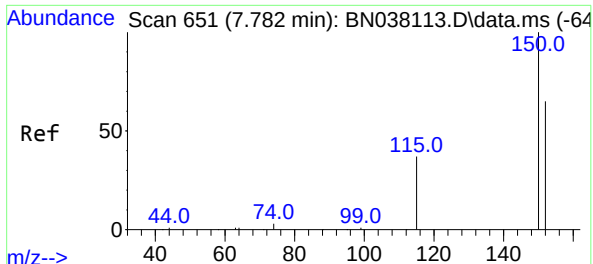
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN111025\
Data File : BN038176.D
Acq On : 10 Nov 2025 11:26
Operator : RC/JU
Sample : Q3534-05DL 2X
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
MW-EB-1DL

Quant Time: Nov 10 11:53:56 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

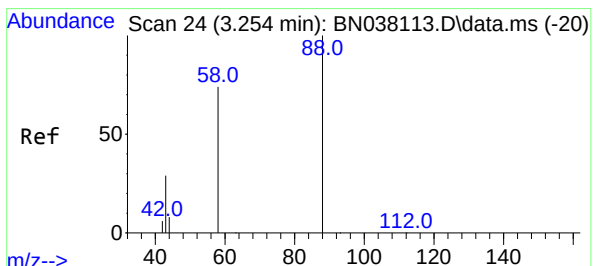
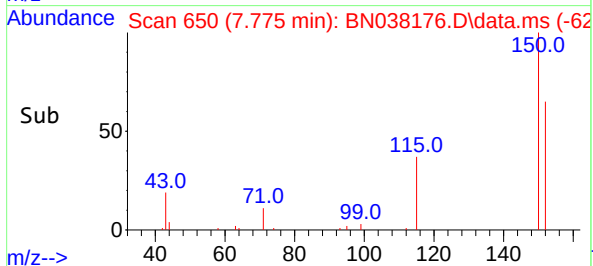
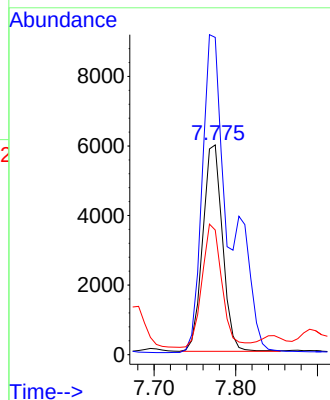
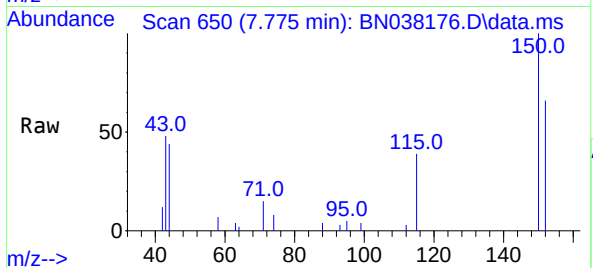




#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.775 min Scan# 61
Delta R.T. -0.000 min
Lab File: BN038176.D
Acq: 10 Nov 2025 11:26

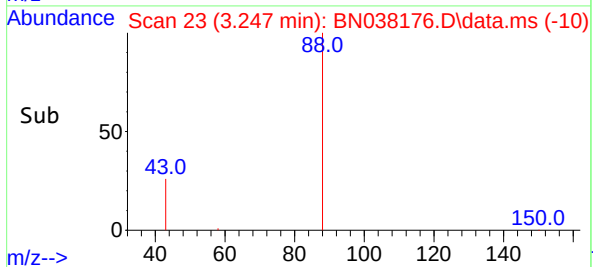
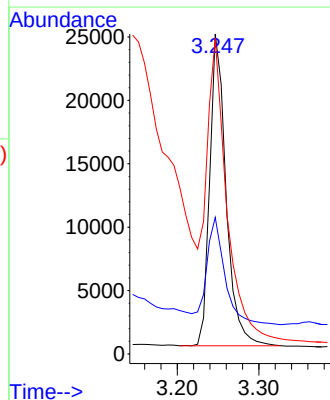
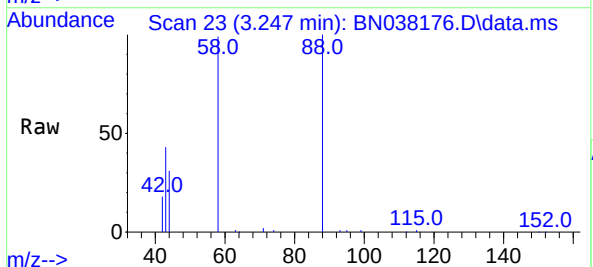
Instrument :
BNA_N
ClientSampleId :
MW-EB-1DL

Tgt Ion:152 Resp: 9993
Ion Ratio Lower Upper
152 100
150 151.2 122.3 183.5
115 59.4 47.4 71.0

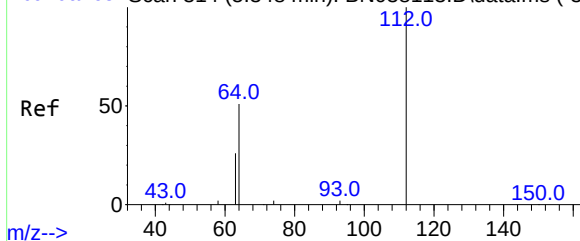


#2
1,4-Dioxane
Concen: 3.328 ng
RT: 3.247 min Scan# 23
Delta R.T. -0.007 min
Lab File: BN038176.D
Acq: 10 Nov 2025 11:26

Tgt Ion: 88 Resp: 34359
Ion Ratio Lower Upper
88 100
43 38.6 24.3 36.5#
58 116.4 60.4 90.6#



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



#4

2-Fluorophenol

Concen: 0.149 ng

RT: 5.341 min Scan# 31

Delta R.T. -0.007 min

Lab File: BN038176.D

Acq: 10 Nov 2025 11:26

Instrument :

BNA_N

ClientSampleId :

MW-EB-1DL

Tgt Ion:112 Resp: 3513

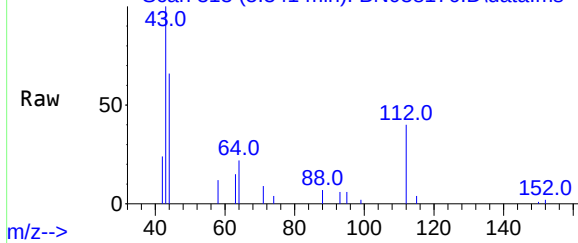
Ion Ratio Lower Upper

112 100

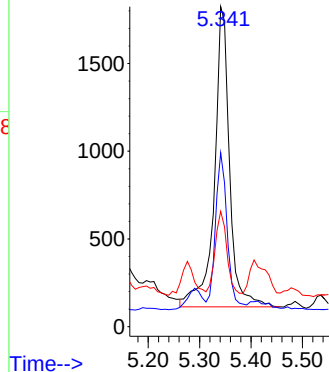
64 40.0 45.4 68.0#

63 21.9 23.2 34.8#

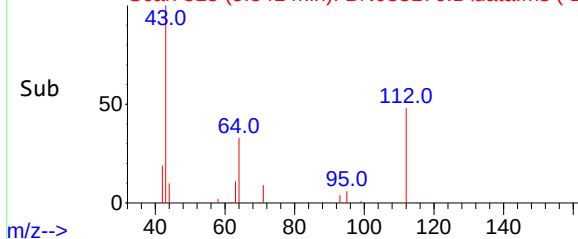
Abundance Scan 313 (5.341 min): BN038176.D\data.ms



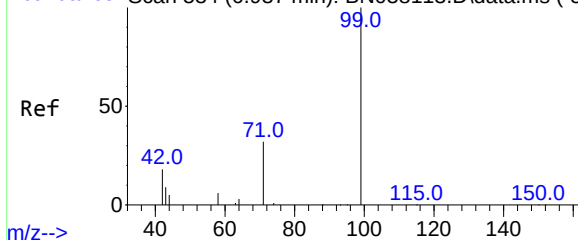
Abundance



Abundance Scan 313 (5.341 min): BN038176.D\data.ms (-28



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



#5

Phenol-d6

Concen: 0.092 ng

RT: 6.937 min Scan# 534

Delta R.T. -0.000 min

Lab File: BN038176.D

Acq: 10 Nov 2025 11:26

Tgt Ion: 99 Resp: 2646

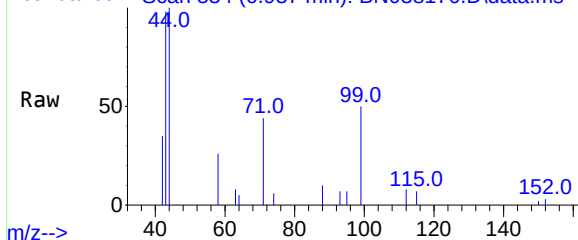
Ion Ratio Lower Upper

99 100

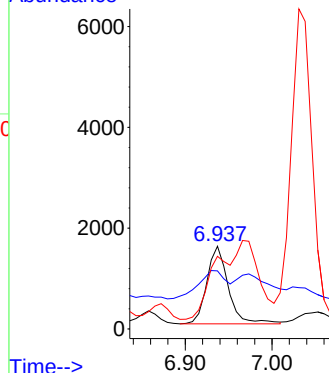
42 47.3 16.6 24.8#

71 86.1 25.4 38.2#

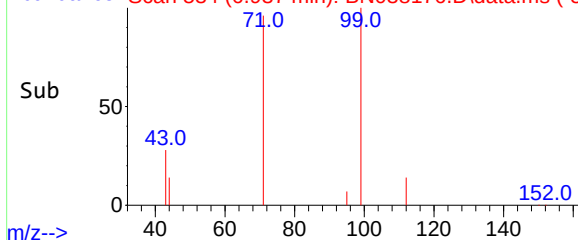
Abundance Scan 534 (6.937 min): BN038176.D\data.ms

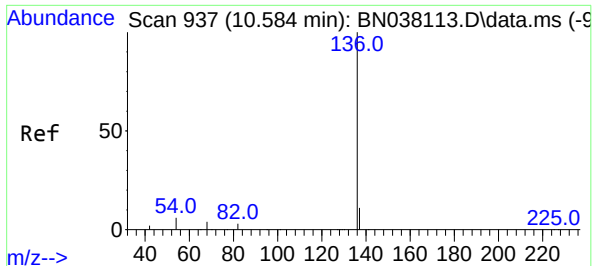


Abundance



Abundance Scan 534 (6.937 min): BN038176.D\data.ms (-50

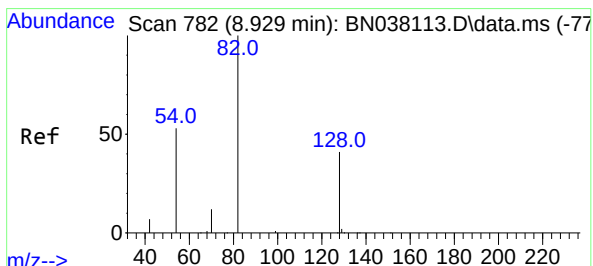
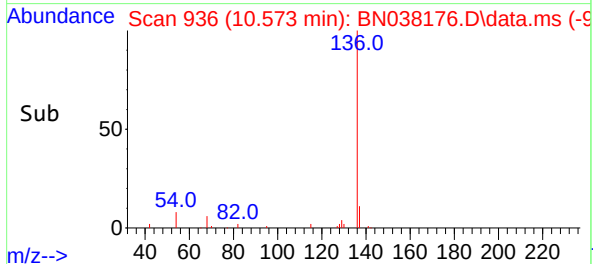
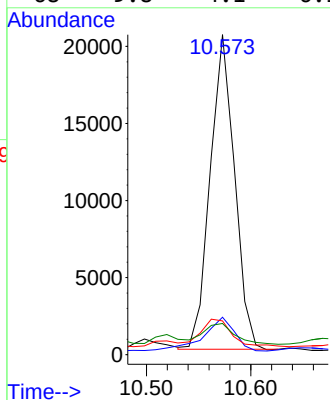
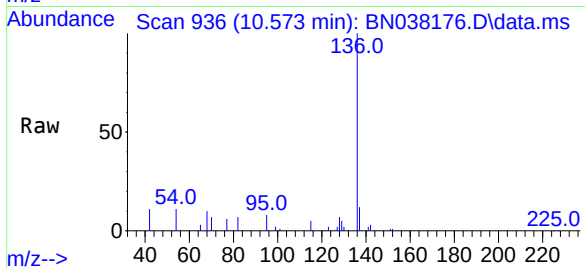




#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.573 min Scan# 91
Delta R.T. -0.000 min
Lab File: BN038176.D
Acq: 10 Nov 2025 11:26

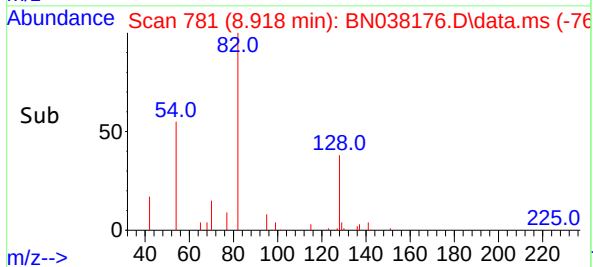
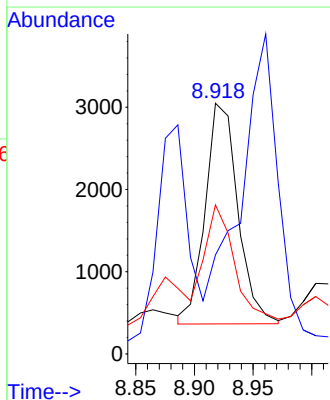
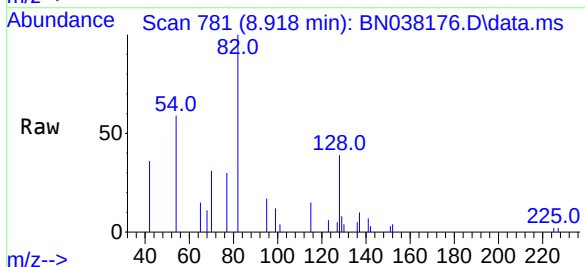
Instrument :
BNA_N
ClientSampleId :
MW-EB-1DL

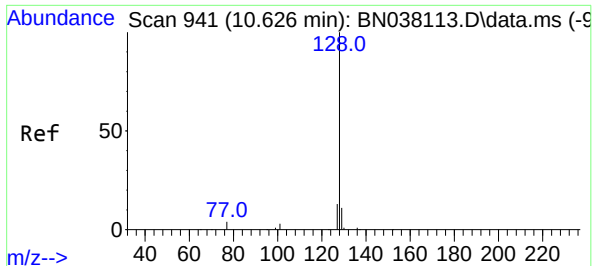
Tgt Ion:136 Resp: 33147
Ion Ratio Lower Upper
136 100
137 11.7 9.0 13.4
54 10.6 5.2 7.8#
68 9.8 4.1 6.1#



#8
Nitrobenzene-d5
Concen: 0.194 ng
RT: 8.918 min Scan# 781
Delta R.T. -0.011 min
Lab File: BN038176.D
Acq: 10 Nov 2025 11:26

Tgt Ion: 82 Resp: 5197
Ion Ratio Lower Upper
82 100
128 39.5 34.1 51.1
54 59.5 43.5 65.3

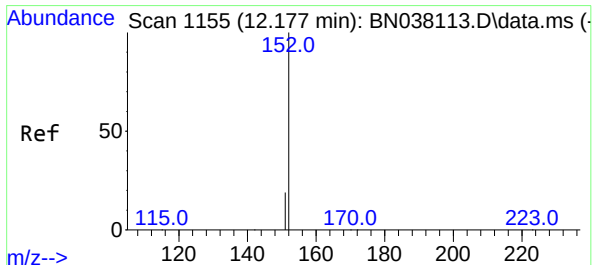
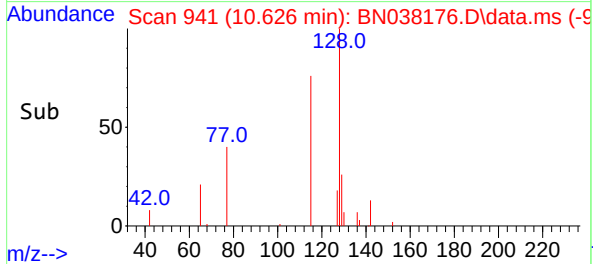
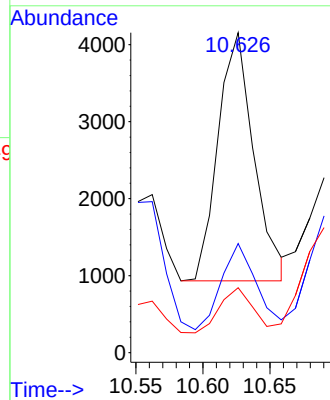
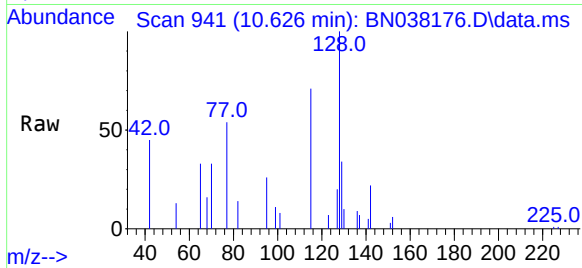




#9
Naphthalene
Concen: 0.066 ng
RT: 10.626 min Scan# 941
Delta R.T. -0.000 min
Lab File: BN038176.D
Acq: 10 Nov 2025 11:26

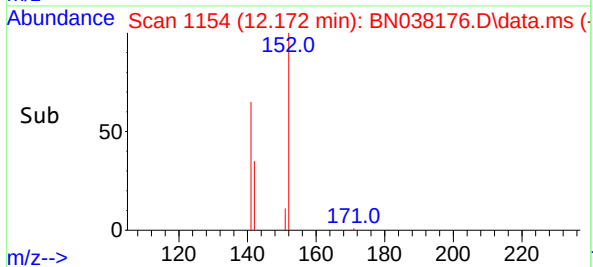
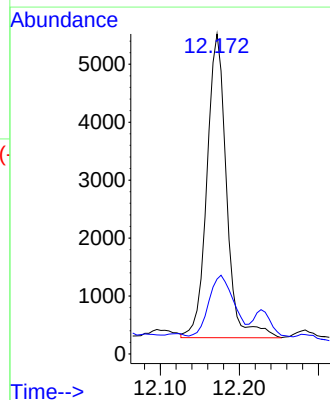
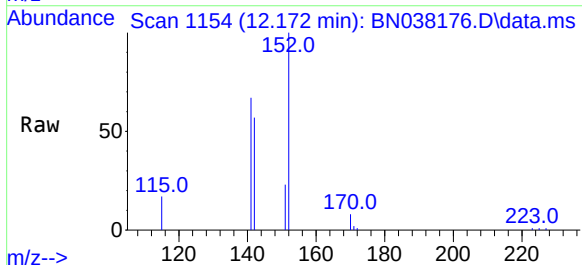
Instrument :
BNA_N
ClientSampleId :
MW-EB-1DL

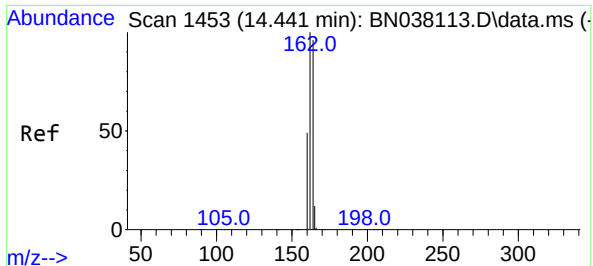
Tgt Ion:128 Resp: 5986
Ion Ratio Lower Upper
128 100
129 34.1 9.1 13.7#
127 20.3 10.5 15.7#



#11
2-Methylnaphthalene-d10
Concen: 0.191 ng
RT: 12.172 min Scan# 1154
Delta R.T. -0.005 min
Lab File: BN038176.D
Acq: 10 Nov 2025 11:26

Tgt Ion:152 Resp: 9040
Ion Ratio Lower Upper
152 100
151 25.8 16.8 25.2#

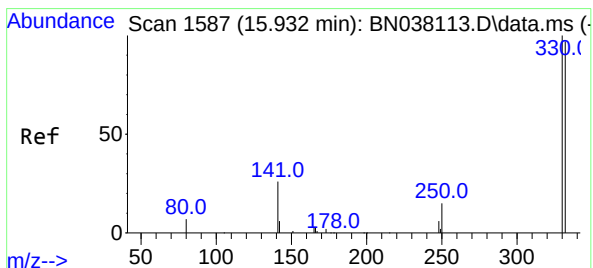
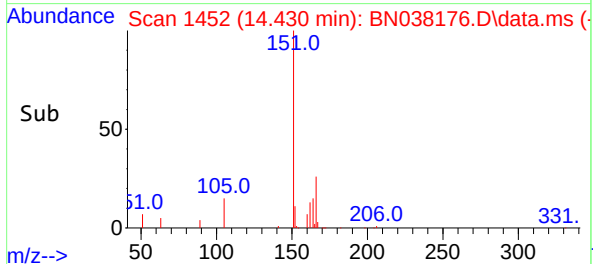
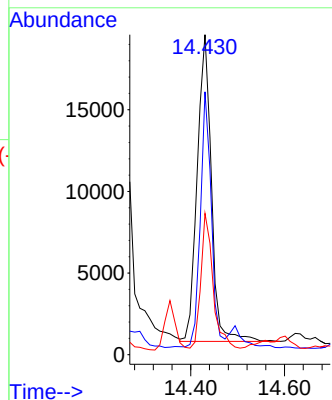
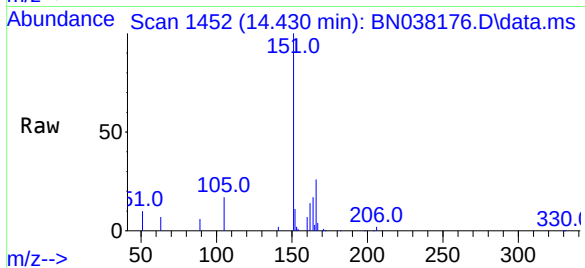




#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.430 min Scan# 1453
Delta R.T. -0.000 min
Lab File: BN038176.D
Acq: 10 Nov 2025 11:26

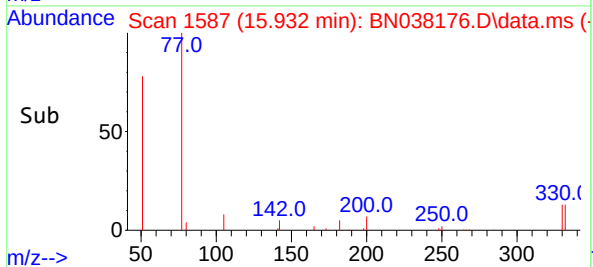
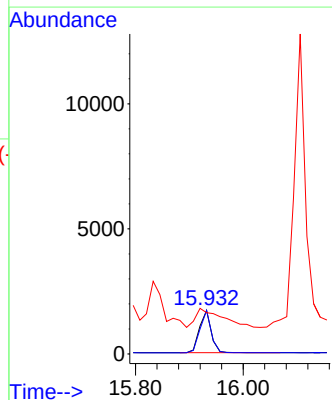
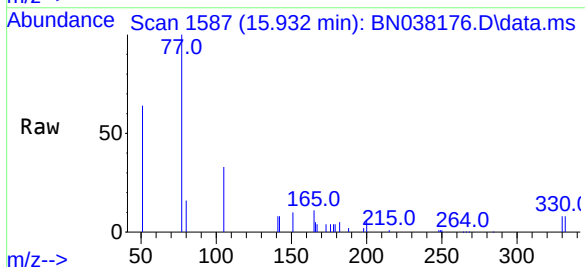
Instrument :
BNA_N
ClientSampleId :
MW-EB-1DL

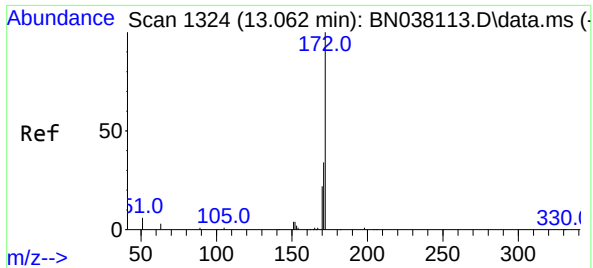
Tgt Ion:164 Resp: 39685
Ion Ratio Lower Upper
164 100
162 82.1 83.0 124.4#
160 44.1 40.7 61.1



#14
2,4,6-Tribromophenol
Concen: 0.157 ng
RT: 15.932 min Scan# 1587
Delta R.T. 0.000 min
Lab File: BN038176.D
Acq: 10 Nov 2025 11:26

Tgt Ion:330 Resp: 2560
Ion Ratio Lower Upper
330 100
332 96.7 76.6 114.8
141 100.4 34.1 51.1#

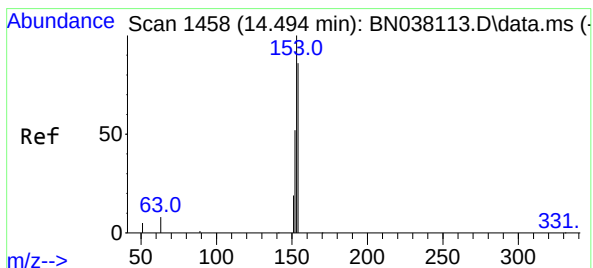
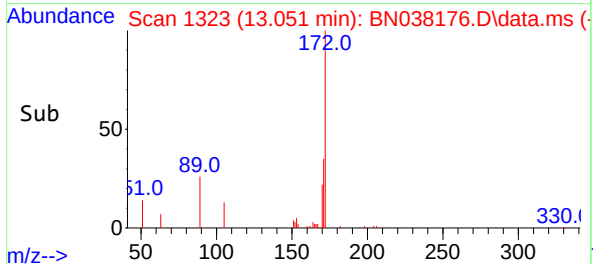
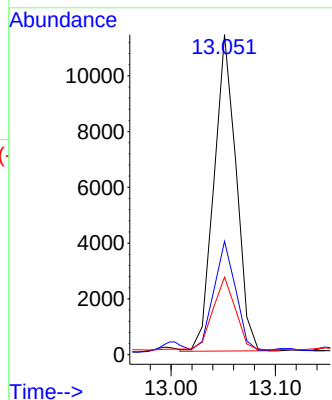
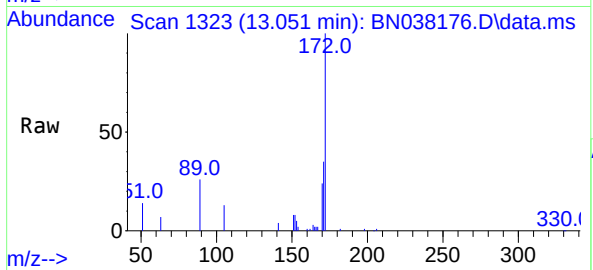




#15
2-Fluorobiphenyl
Concen: 0.106 ng
RT: 13.051 min Scan# 1323
Delta R.T. -0.000 min
Lab File: BN038176.D
Acq: 10 Nov 2025 11:26

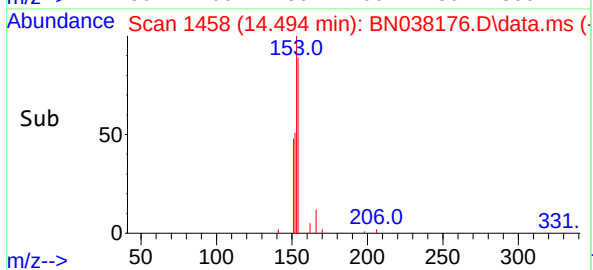
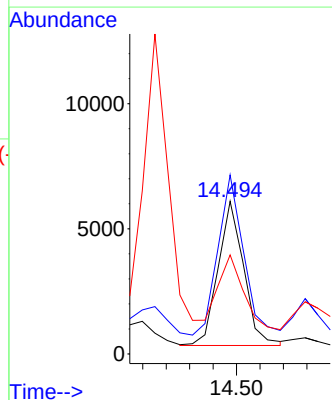
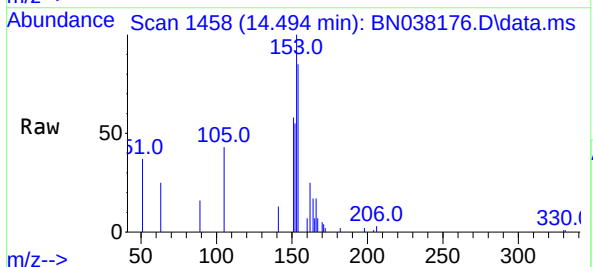
Instrument :
BNA_N
ClientSampleId :
MW-EB-1DL

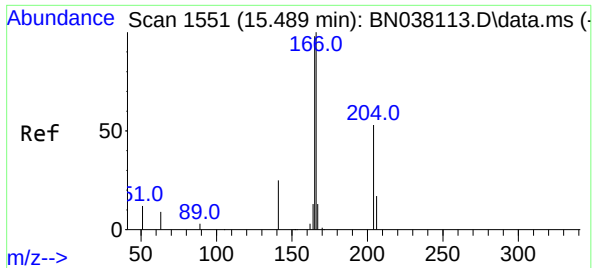
Tgt Ion:172 Resp: 16824
Ion Ratio Lower Upper
172 100
171 35.4 27.8 41.6
170 24.2 18.1 27.1



#17
Acenaphthene
Concen: 0.070 ng
RT: 14.494 min Scan# 1458
Delta R.T. -0.000 min
Lab File: BN038176.D
Acq: 10 Nov 2025 11:26

Tgt Ion:154 Resp: 8783
Ion Ratio Lower Upper
154 100
153 110.4 90.0 135.0
152 71.3 47.3 70.9#

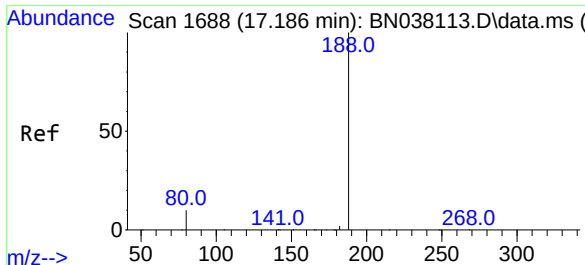
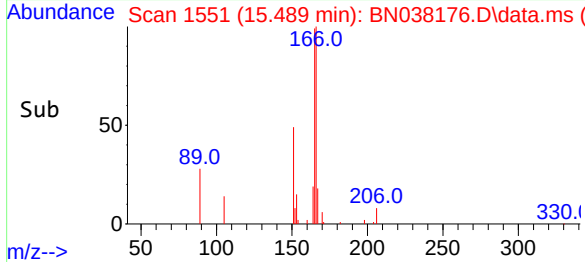
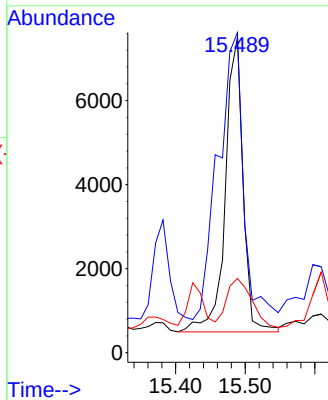
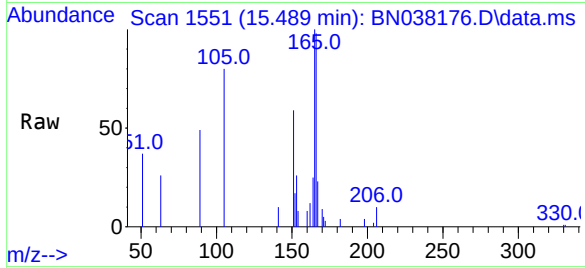




#18
Fluorene
Concen: 0.078 ng
RT: 15.489 min Scan# 1551
Delta R.T. -0.000 min
Lab File: BN038176.D
Acq: 10 Nov 2025 11:26

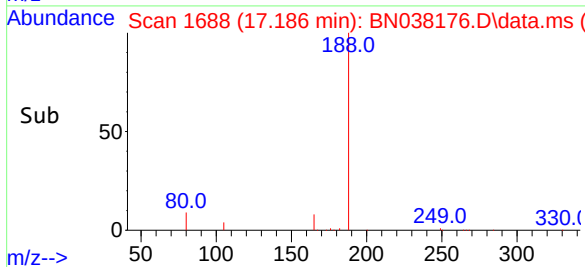
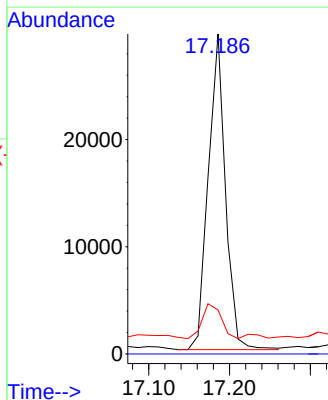
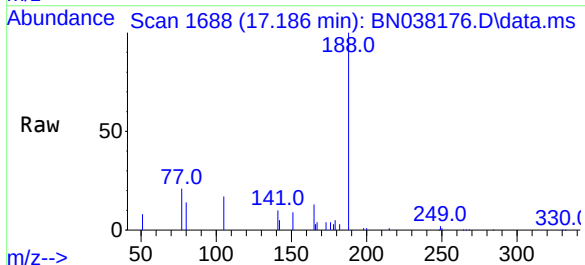
Instrument :
BNA_N
ClientSampleId :
MW-EB-1DL

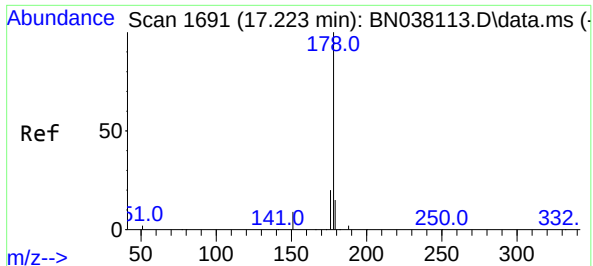
Tgt Ion:166 Resp: 12858
Ion Ratio Lower Upper
166 100
165 138.9 79.0 118.4#
167 23.2 10.7 16.1#



#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.186 min Scan# 1688
Delta R.T. -0.000 min
Lab File: BN038176.D
Acq: 10 Nov 2025 11:26

Tgt Ion:188 Resp: 43630
Ion Ratio Lower Upper
188 100
94 0.0 0.0 0.0
80 13.7 8.6 13.0#

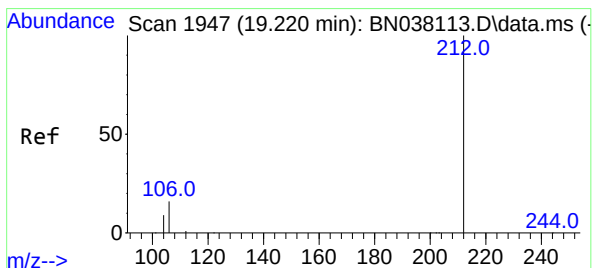
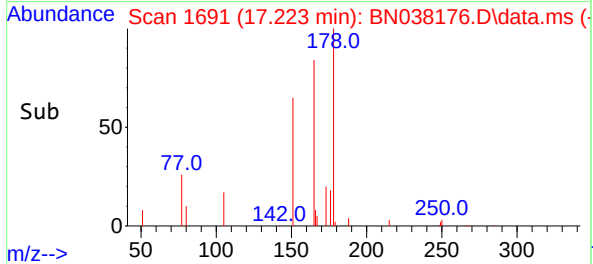
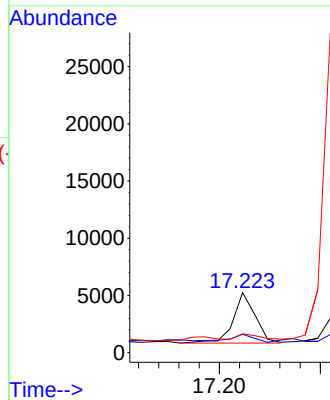
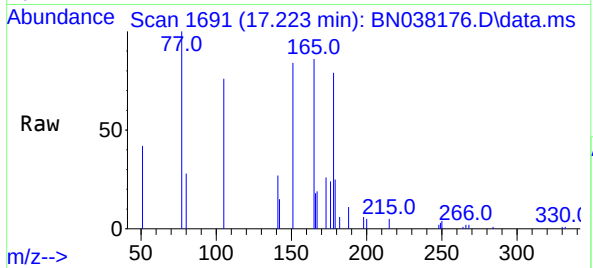




#25
Phenanthrene
Concen: 0.048 ng
RT: 17.223 min Scan# 1691
Delta R.T. -0.000 min
Lab File: BN038176.D
Acq: 10 Nov 2025 11:26

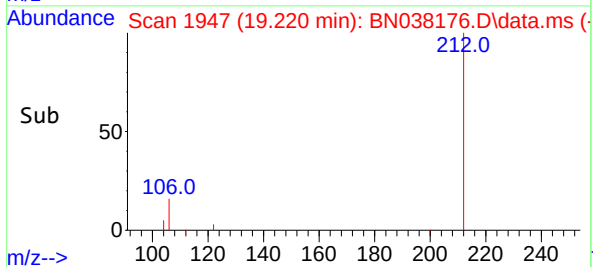
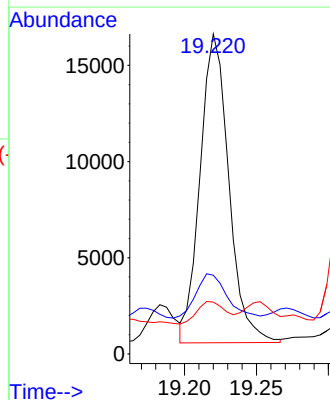
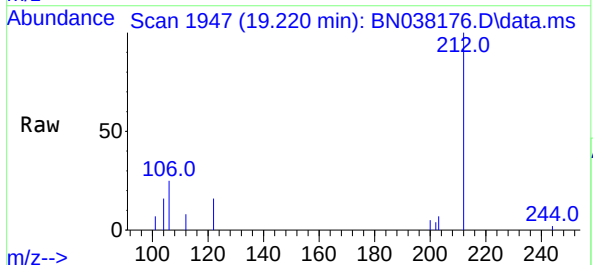
Instrument :
BNA_N
ClientSampleId :
MW-EB-1DL

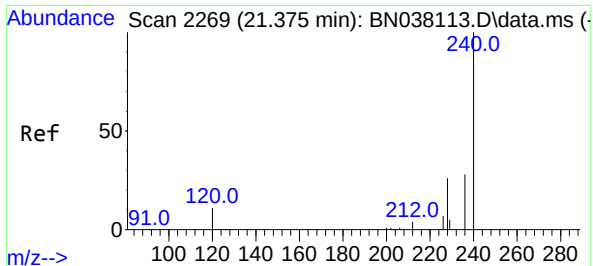
Tgt Ion:178 Resp: 6676
Ion Ratio Lower Upper
178 100
176 16.9 15.5 23.3
179 0.0 12.2 18.4#



#27
Fluoranthene-d10
Concen: 0.202 ng
RT: 19.220 min Scan# 1947
Delta R.T. -0.000 min
Lab File: BN038176.D
Acq: 10 Nov 2025 11:26

Tgt Ion:212 Resp: 22271
Ion Ratio Lower Upper
212 100
106 19.1 12.6 19.0#
104 7.9 7.1 10.7

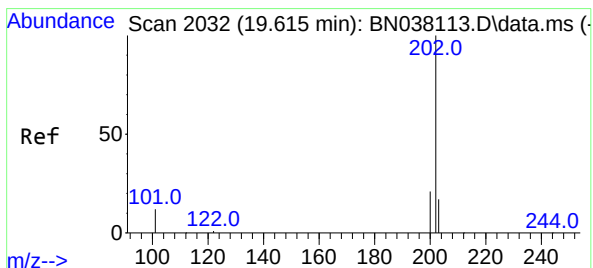
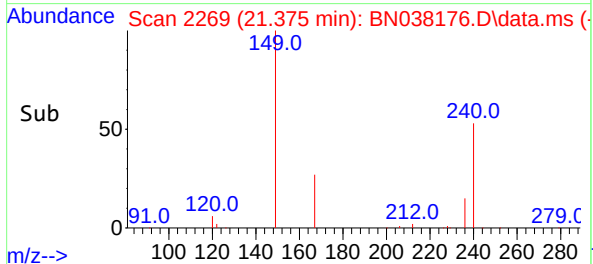
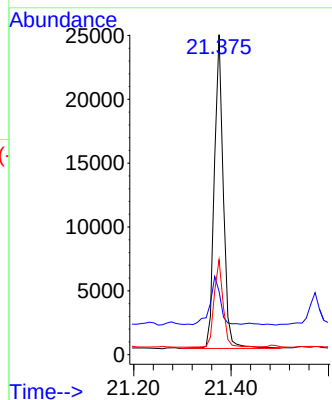
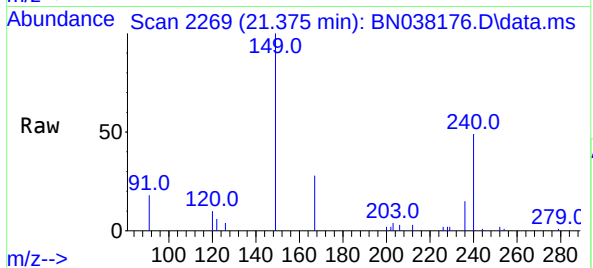




#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.375 min Scan# 21
Delta R.T. -0.000 min
Lab File: BN038176.D
Acq: 10 Nov 2025 11:26

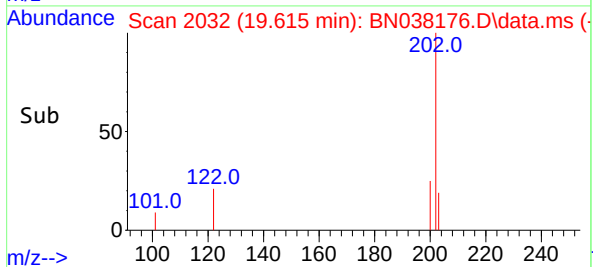
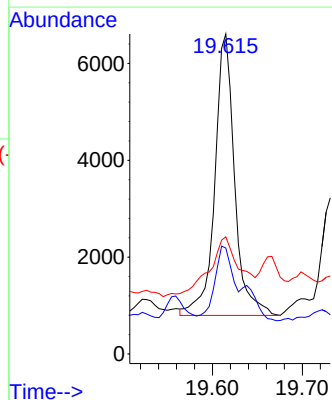
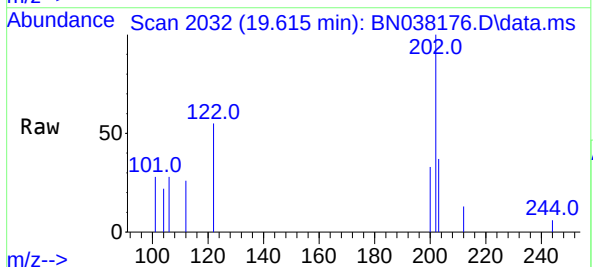
Instrument :
BNA_N
ClientSampleId :
MW-EB-1DL

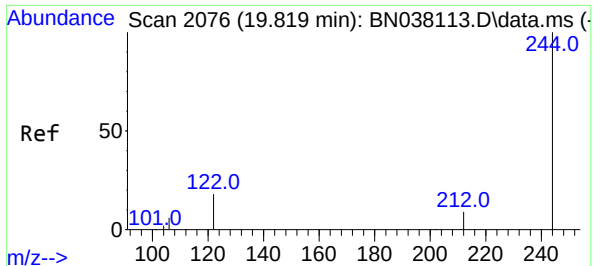
Tgt Ion:240 Resp: 31483
Ion Ratio Lower Upper
240 100
120 19.7 10.7 16.1#
236 29.7 23.1 34.7



#30
Pyrene
Concen: 0.062 ng
RT: 19.615 min Scan# 2032
Delta R.T. 0.005 min
Lab File: BN038176.D
Acq: 10 Nov 2025 11:26

Tgt Ion:202 Resp: 8875
Ion Ratio Lower Upper
202 100
200 21.9 16.7 25.1
203 33.3 14.2 21.2#

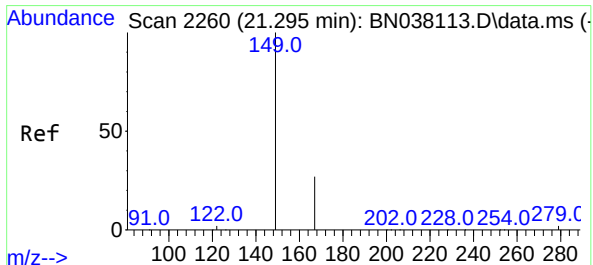
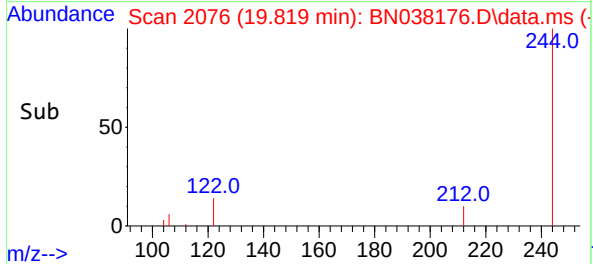
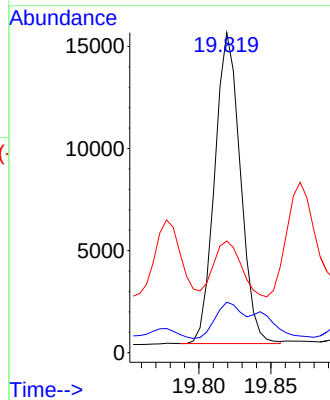
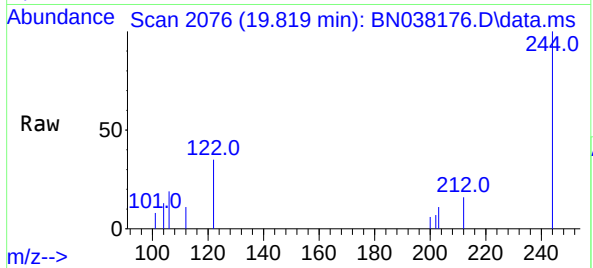




#31
Terphenyl-d14
Concen: 0.276 ng
RT: 19.819 min Scan# 2076
Delta R.T. -0.000 min
Lab File: BN038176.D
Acq: 10 Nov 2025 11:26

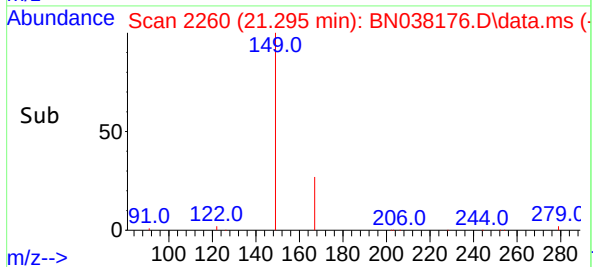
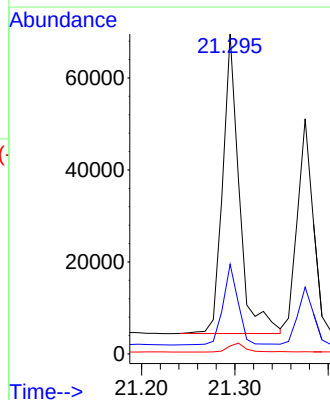
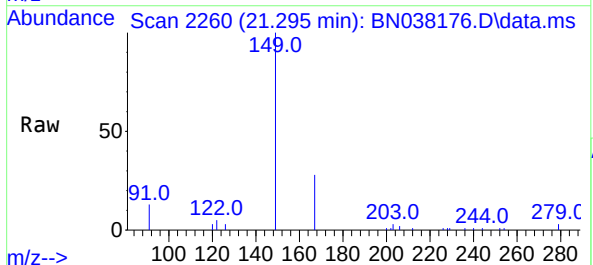
Instrument :
BNA_N
ClientSampleId :
MW-EB-1DL

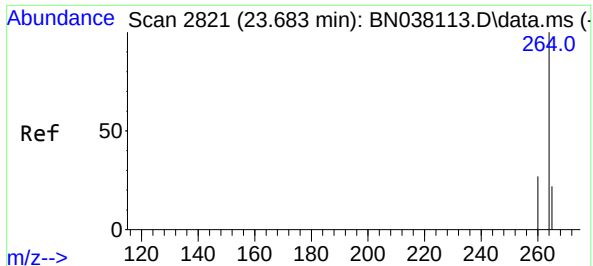
Tgt Ion:244 Resp: 18892
Ion Ratio Lower Upper
244 100
212 15.8 7.8 11.6#
122 34.9 15.2 22.8#



#34
Bis(2-ethylhexyl)phthalate
Concen: 1.357 ng
RT: 21.295 min Scan# 2260
Delta R.T. -0.000 min
Lab File: BN038176.D
Acq: 10 Nov 2025 11:26

Tgt Ion:149 Resp: 80278
Ion Ratio Lower Upper
149 100
167 24.2 21.1 31.7
279 3.2 2.9 4.3





#35

Perylene-d12

Concen: 0.400 ng

RT: 23.686 min Scan# 21

Delta R.T. 0.006 min

Lab File: BN038176.D

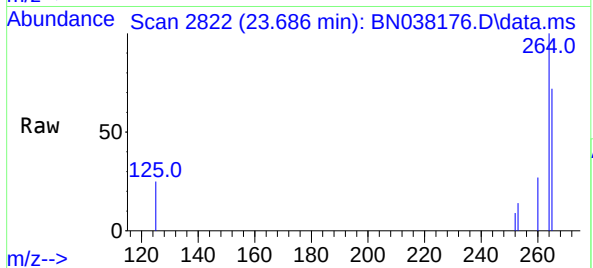
Acq: 10 Nov 2025 11:26

Instrument :

BNA_N

ClientSampleId :

MW-EB-1DL



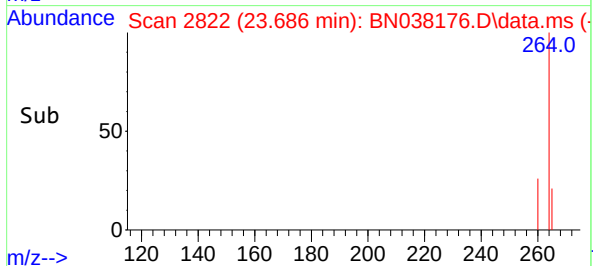
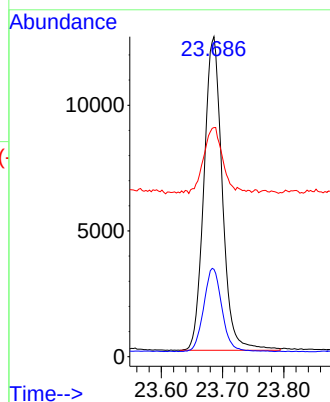
Tgt Ion:264 Resp: 25895

Ion Ratio Lower Upper

264 100

260 27.3 21.8 32.8

265 71.6 68.6 102.8





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

Report of Analysis

Client:	Remington & Vernick Engineers		Date Collected:	11/04/25
Project:	Edison Landfill		Date Received:	11/04/25
Client Sample ID:	MW-EB-2		SDG No.:	Q3534
Lab Sample ID:	Q3534-06		Matrix:	Water
Analytical Method:	SW8270ESIM	Level: LOW	% Solid:	0
Sample Wt/Vol:	980 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	3.60		1	0.070	0.20	ug/L	11/07/25 17:21	PB170427
SURROGATES									
7297-45-2	2-Methylnaphthalene-d10	0.33			30 (20) - 150 (139)	83%	SPK: 0.4		
93951-69-0	Fluoranthene-d10	0.32			30 (54) - 150 (157)	80%	SPK: 0.4		
4165-60-0	Nitrobenzene-d5	0.33			30 (27) - 130 (154)	82%	SPK: 0.4		
321-60-8	2-Fluorobiphenyl	0.36			30 (30) - 130 (155)	90%	SPK: 0.4		
1718-51-0	Terphenyl-d14	0.46			30 (54) - 130 (175)	115%	SPK: 0.4		
INTERNAL STANDARDS		Area Count							
3855-82-1	1,4-Dichlorobenzene-d4	8890							
1146-65-2	Naphthalene-d8	29100							
15067-26-2	Acenaphthene-d10	16800							
1517-22-2	Phenanthrene-d10	27800							
1719-03-5	Chrysene-d12	18100							
1520-96-3	Perylene-d12	18600							

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

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN110725\
 Data File : BN038158.D
 Acq On : 07 Nov 2025 17:21
 Operator : RC/JU
 Sample : Q3534-06
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 MW-EB-2

Quant Time: Nov 08 03:04:48 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)

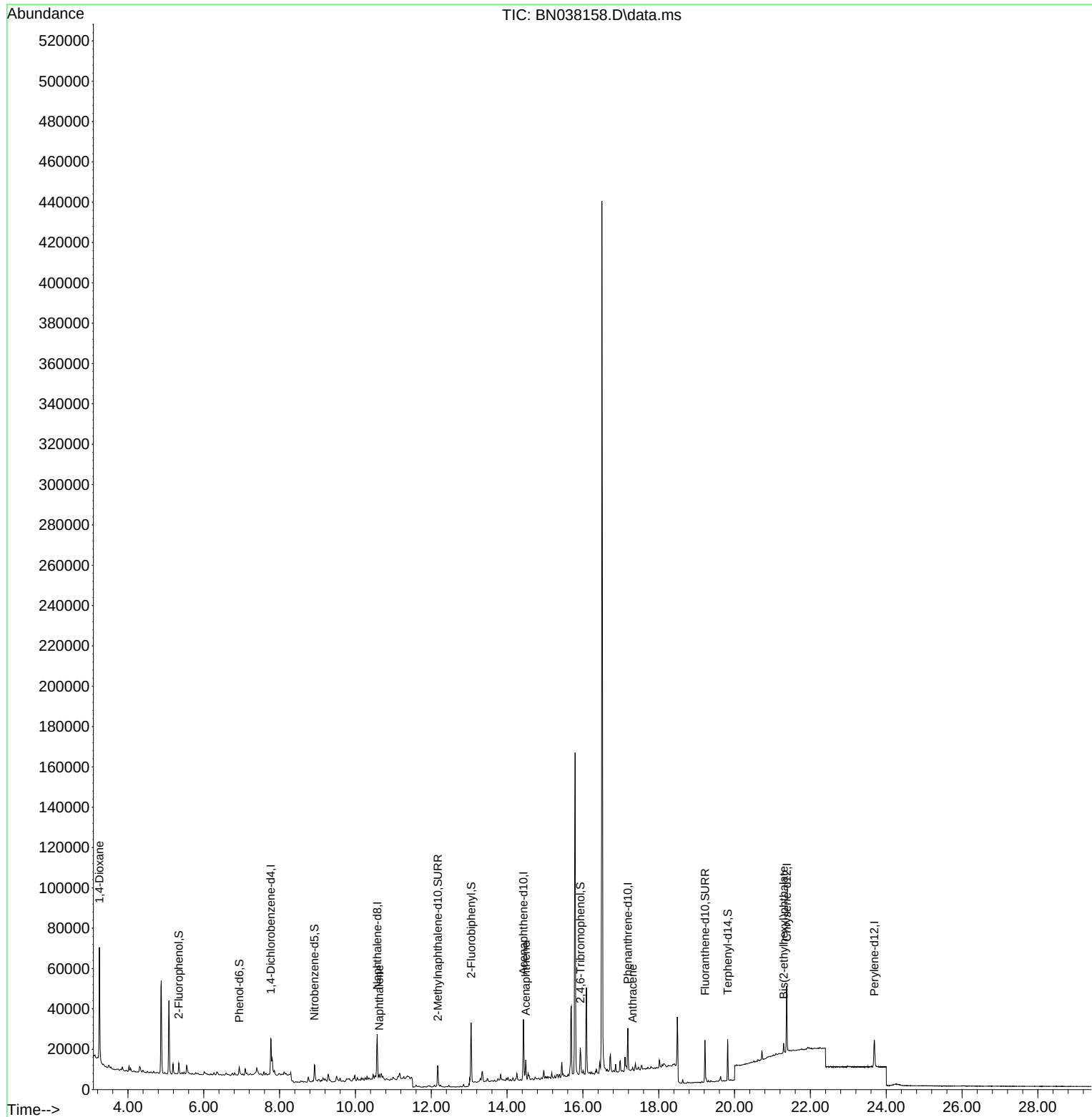
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.768	152	8893	0.400	ng	0.00
7) Naphthalene-d8	10.573	136	29066	0.400	ng	# 0.00
13) Acenaphthene-d10	14.430	164	16810	0.400	ng	0.00
19) Phenanthrene-d10	17.186	188	27804	0.400	ng	0.00
29) Chrysene-d12	21.375	240	18112	0.400	ng	# 0.00
35) Perylene-d12	23.686	264	18619	0.400	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.341	112	3988	0.190	ng	0.00
5) Phenol-d6	6.937	99	3520	0.138	ng	0.00
8) Nitrobenzene-d5	8.918	82	7725	0.329	ng	-0.01
11) 2-Methylnaphthalene-d10	12.172	152	13707	0.330	ng	0.00
14) 2,4,6-Tribromophenol	15.932	330	2721	0.393	ng	0.00
15) 2-Fluorobiphenyl	13.051	172	24120	0.358	ng	0.00
27) Fluoranthene-d10	19.220	212	22540	0.321	ng	0.00
31) Terphenyl-d14	19.819	244	18125	0.461	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.247	88	32518	3.539	ng	# 86
9) Naphthalene	10.626	128	2951	0.037	ng	# 81
17) Acenaphthene	14.495	154	4824	0.091	ng	98
26) Anthracene	17.310	178	2151	0.028	ng	# 89
34) Bis(2-ethylhexyl)phtha...	21.295	149	4675	0.137	ng	# 97

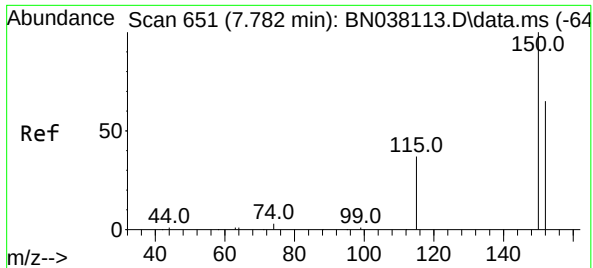
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN110725\
Data File : BN038158.D
Acq On : 07 Nov 2025 17:21
Operator : RC/JU
Sample : Q3534-06
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
MW-EB-2

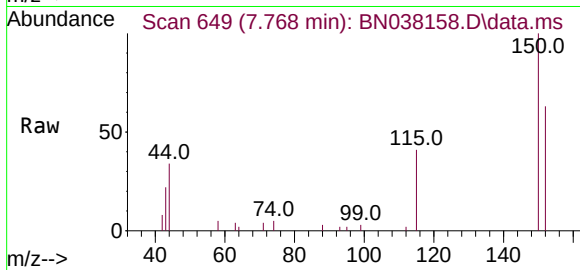
Quant Time: Nov 08 03:04:48 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN102825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Oct 29 13:09:46 2025
Response via : Initial Calibration



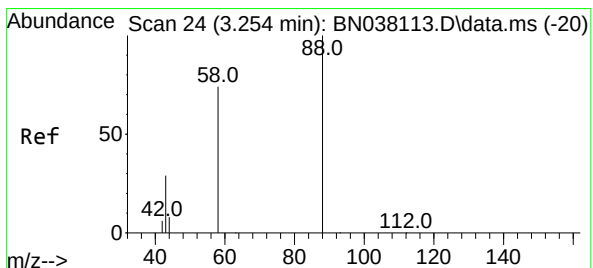
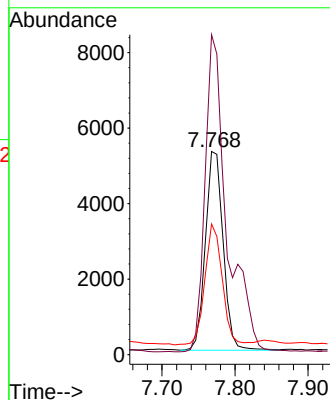
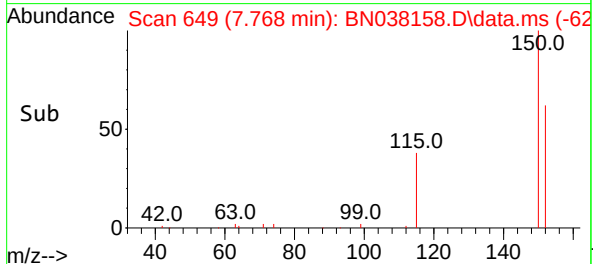


#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.768 min Scan# 64
Delta R.T. -0.007 min
Lab File: BN038158.D
Acq: 07 Nov 2025 17:21

Instrument :
BNA_N
ClientSampleId :
MW-EB-2

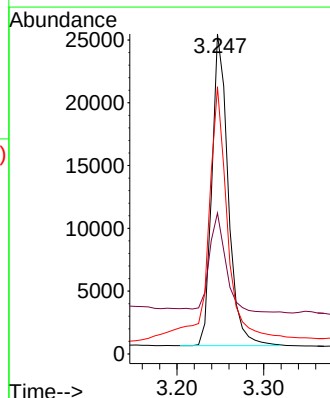
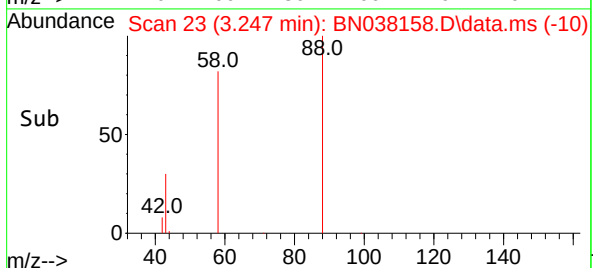
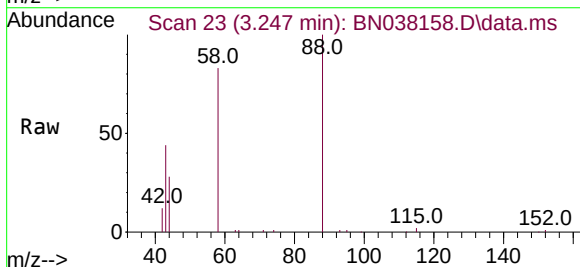


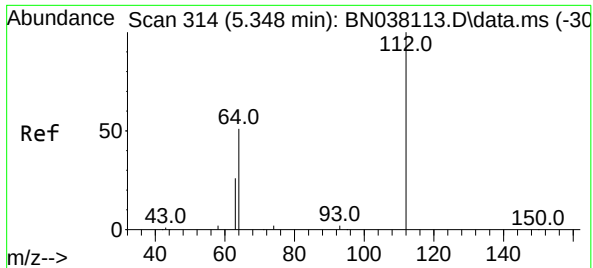
Tgt Ion:152 Resp: 8893
Ion Ratio Lower Upper
152 100
150 157.6 122.3 183.5
115 64.4 47.4 71.0



#2
1,4-Dioxane
Concen: 3.539 ng
RT: 3.247 min Scan# 23
Delta R.T. -0.007 min
Lab File: BN038158.D
Acq: 07 Nov 2025 17:21

Tgt Ion: 88 Resp: 32518
Ion Ratio Lower Upper
88 100
43 31.6 24.3 36.5
58 91.2 60.4 90.6#

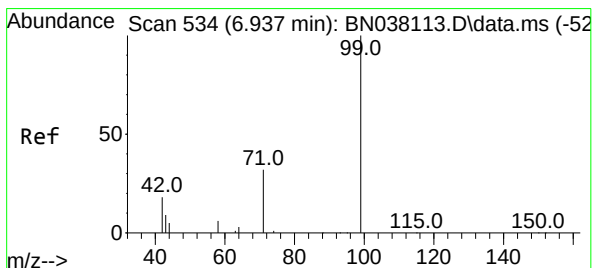
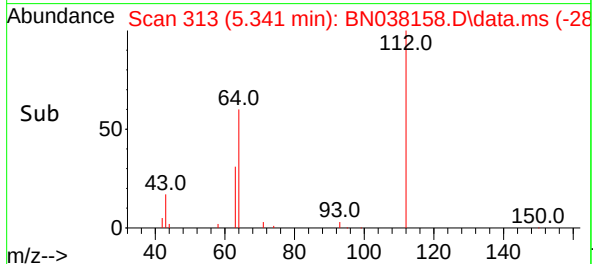
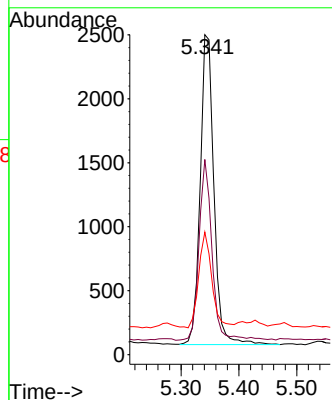
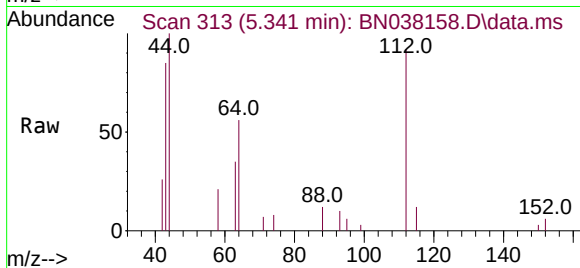




#4
2-Fluorophenol
Concen: 0.190 ng
RT: 5.341 min Scan# 314
Delta R.T. -0.007 min
Lab File: BN038158.D
Acq: 07 Nov 2025 17:21

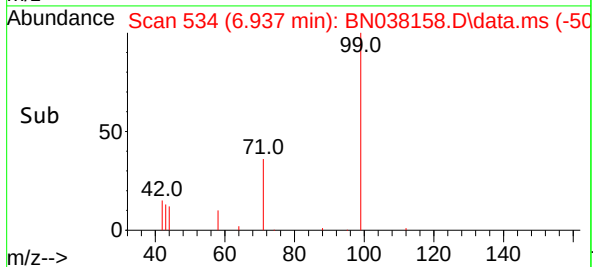
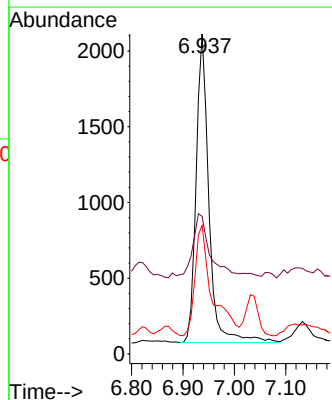
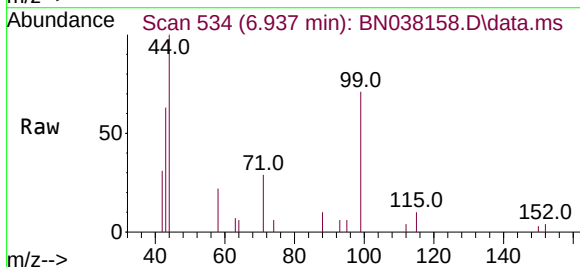
Instrument :
BNA_N
ClientSampleId :
MW-EB-2

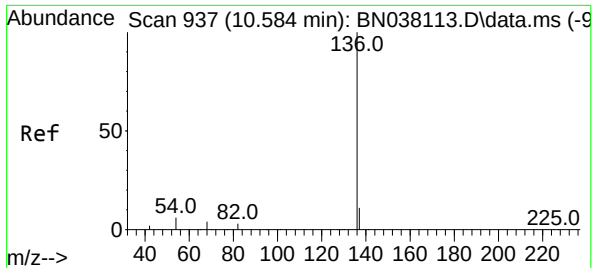
Tgt Ion:112 Resp: 3988
Ion Ratio Lower Upper
112 100
64 54.2 45.4 68.0
63 28.8 23.2 34.8



#5
Phenol-d6
Concen: 0.138 ng
RT: 6.937 min Scan# 534
Delta R.T. 0.000 min
Lab File: BN038158.D
Acq: 07 Nov 2025 17:21

Tgt Ion: 99 Resp: 3520
Ion Ratio Lower Upper
99 100
42 28.2 16.6 24.8#
71 48.0 25.4 38.2#

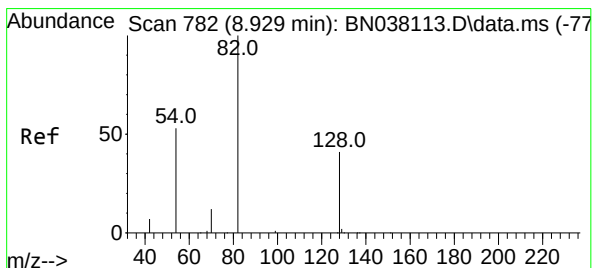
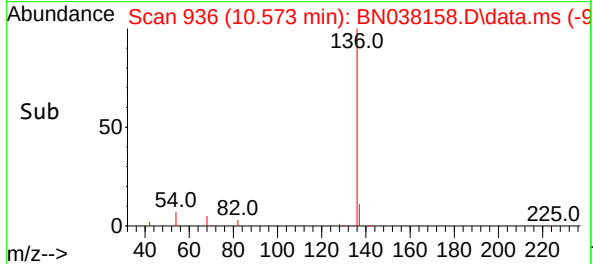
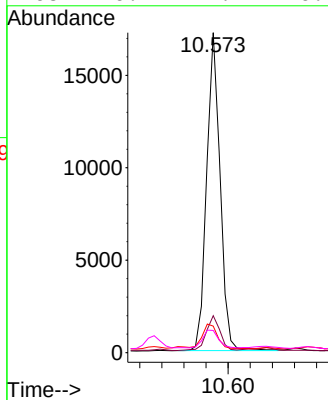
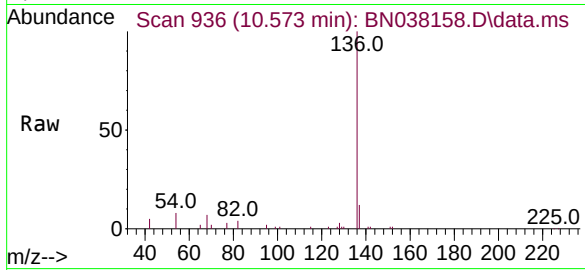




#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.573 min Scan# 937
Delta R.T. 0.000 min
Lab File: BN038158.D
Acq: 07 Nov 2025 17:21

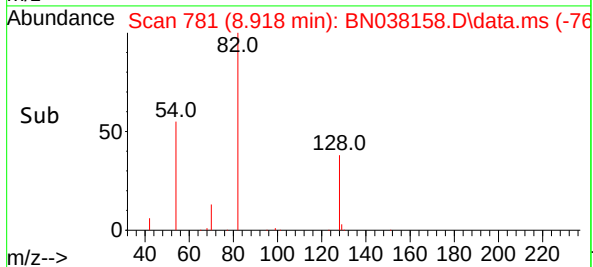
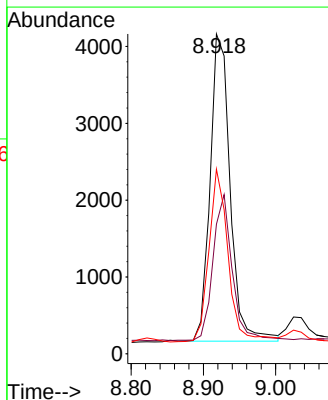
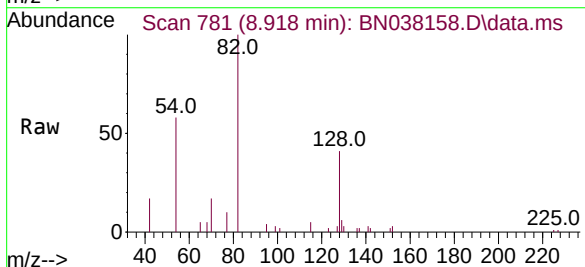
Instrument :
BNA_N
ClientSampleId :
MW-EB-2

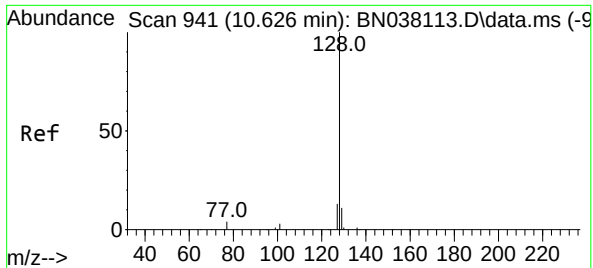
Tgt Ion:	136	Resp:	29066
Ion Ratio	Lower	Upper	
136	100		
137	11.5	9.0	13.4
54	8.3	5.2	7.8#
68	6.9	4.1	6.1#



#8
Nitrobenzene-d5
Concen: 0.329 ng
RT: 8.918 min Scan# 781
Delta R.T. -0.011 min
Lab File: BN038158.D
Acq: 07 Nov 2025 17:21

Tgt Ion:	82	Resp:	7725
Ion Ratio	Lower	Upper	
82	100		
128	40.5	34.1	51.1
54	57.7	43.5	65.3

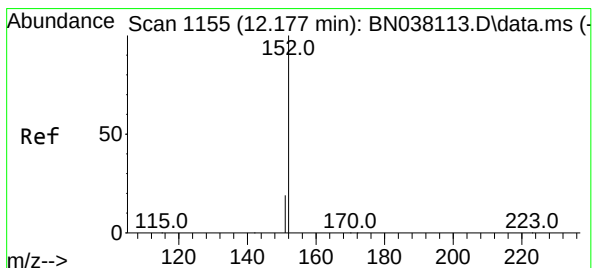
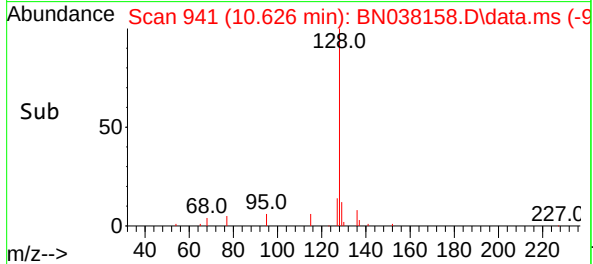
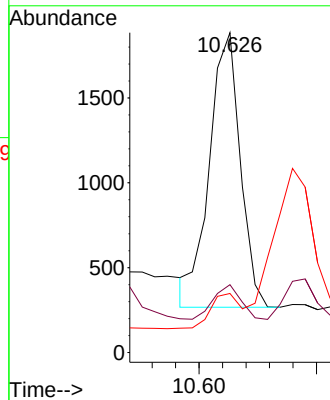
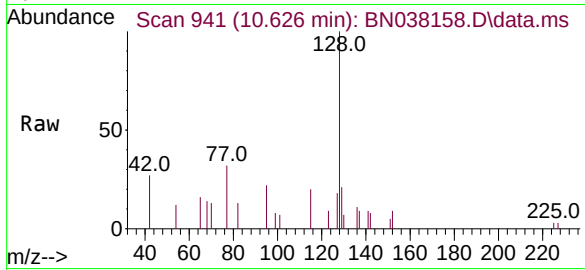




#9
Naphthalene
Concen: 0.037 ng
RT: 10.626 min Scan# 941
Delta R.T. 0.000 min
Lab File: BN038158.D
Acq: 07 Nov 2025 17:21

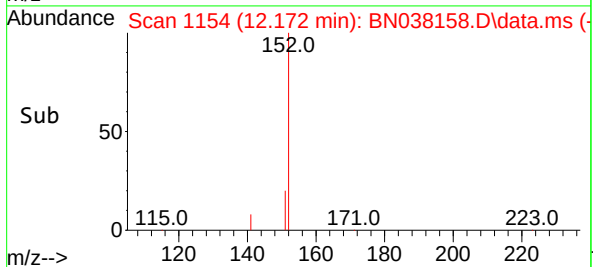
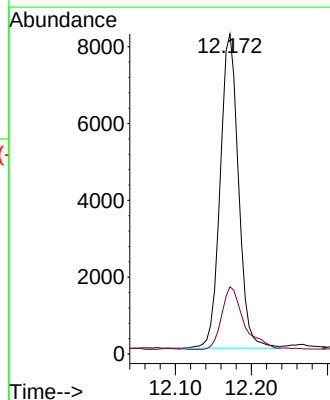
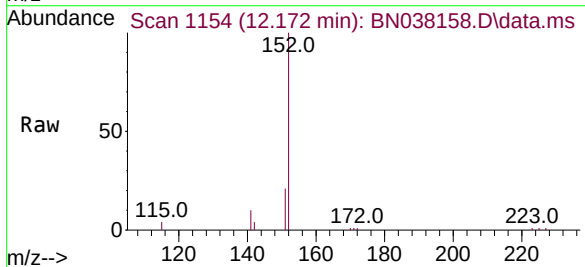
Instrument :
BNA_N
ClientSampleId :
MW-EB-2

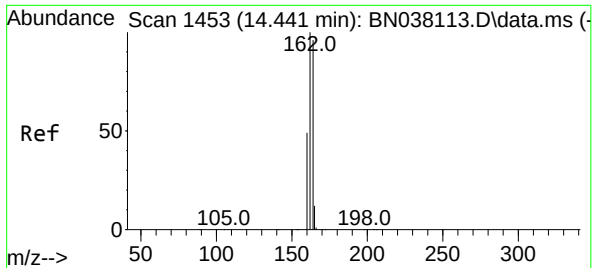
Tgt Ion:128 Resp: 2951
Ion Ratio Lower Upper
128 100
129 21.2 9.1 13.7#
127 18.5 10.5 15.7#



#11
2-Methylnaphthalene-d10
Concen: 0.330 ng
RT: 12.172 min Scan# 1154
Delta R.T. -0.005 min
Lab File: BN038158.D
Acq: 07 Nov 2025 17:21

Tgt Ion:152 Resp: 13707
Ion Ratio Lower Upper
152 100
151 24.0 16.8 25.2

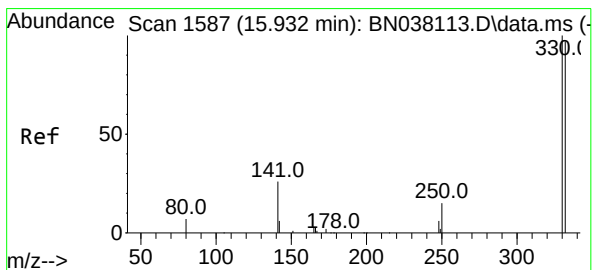
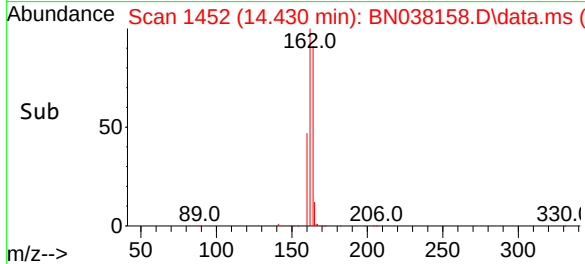
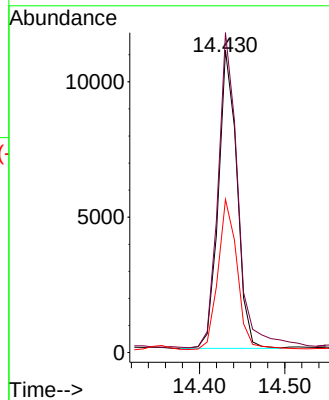
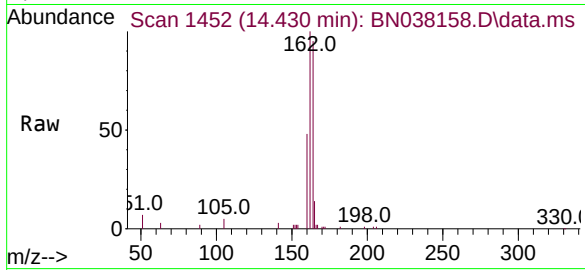




#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.430 min Scan# 1453
Delta R.T. 0.000 min
Lab File: BN038158.D
Acq: 07 Nov 2025 17:21

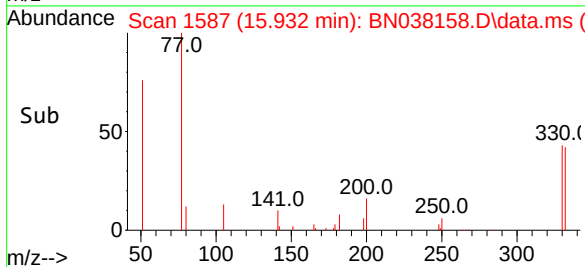
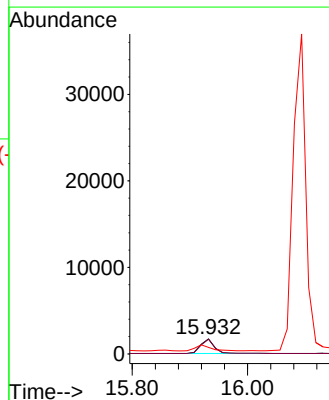
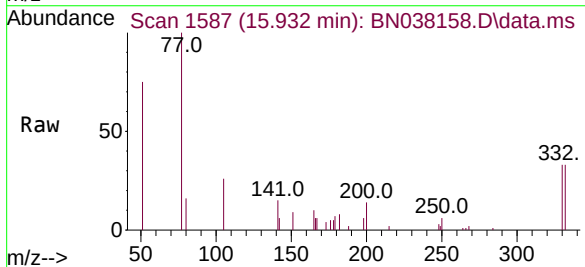
Instrument :
BNA_N
ClientSampleId :
MW-EB-2

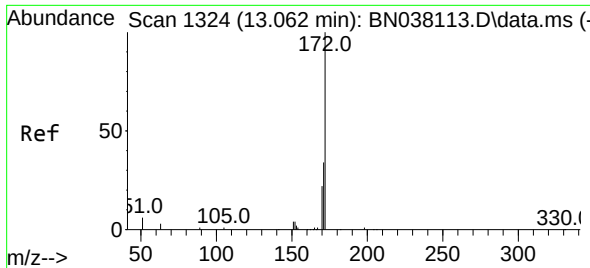
Tgt Ion:164 Resp: 16810
Ion Ratio Lower Upper
164 100
162 105.8 83.0 124.4
160 50.6 40.7 61.1



#14
2,4,6-Tribromophenol
Concen: 0.393 ng
RT: 15.932 min Scan# 1587
Delta R.T. 0.000 min
Lab File: BN038158.D
Acq: 07 Nov 2025 17:21

Tgt Ion:330 Resp: 2721
Ion Ratio Lower Upper
330 100
332 97.4 76.6 114.8
141 48.0 34.1 51.1

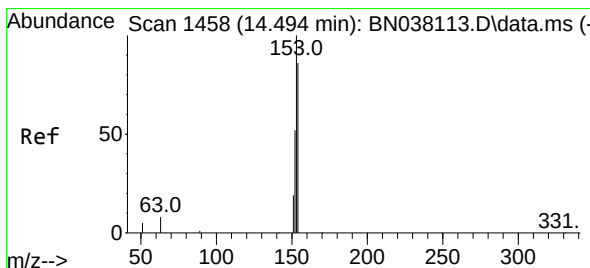
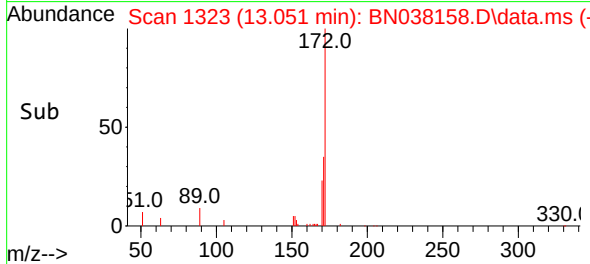
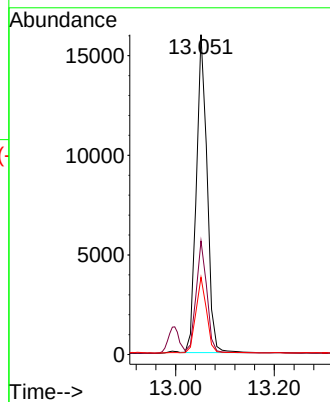
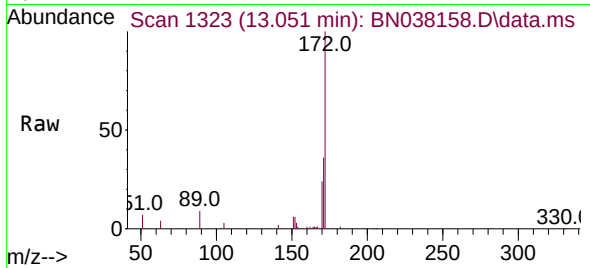




#15
2-Fluorobiphenyl
Concen: 0.358 ng
RT: 13.051 min Scan# 1323
Delta R.T. 0.000 min
Lab File: BN038158.D
Acq: 07 Nov 2025 17:21

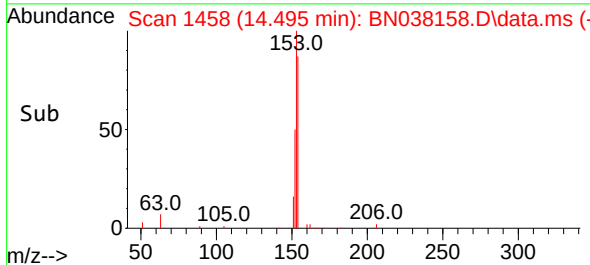
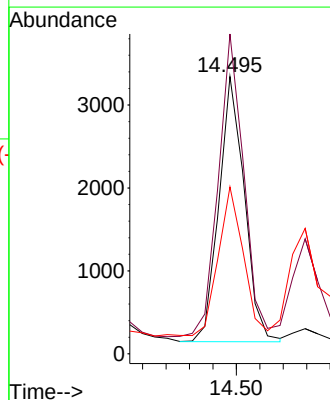
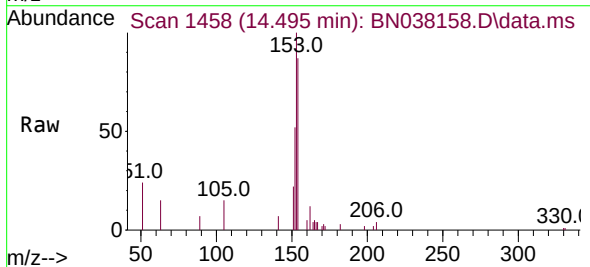
Instrument :
BNA_N
ClientSampleId :
MW-EB-2

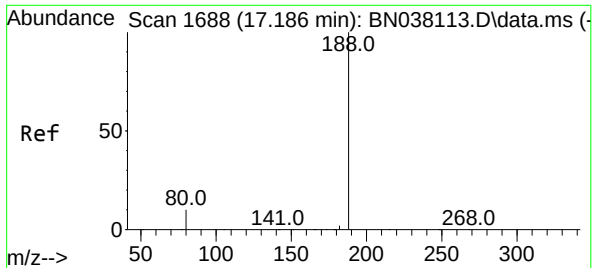
Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.5	27.8	41.6
170	24.2	18.1	27.1



#17
Acenaphthene
Concen: 0.091 ng
RT: 14.495 min Scan# 1458
Delta R.T. 0.000 min
Lab File: BN038158.D
Acq: 07 Nov 2025 17:21

Tgt Ion	Ratio	Lower	Upper
154	100		
153	112.8	90.0	135.0
152	55.6	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: BN038158.D

Acq: 07 Nov 2025 17:21

Instrument :

BNA_N

ClientSampleId :

MW-EB-2

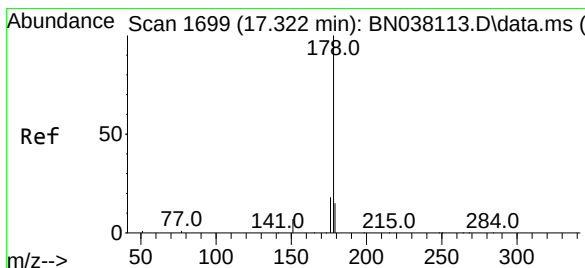
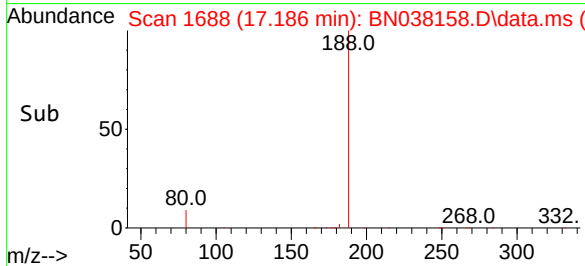
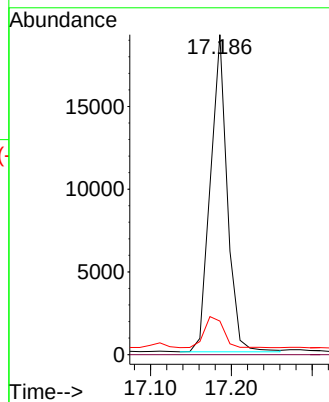
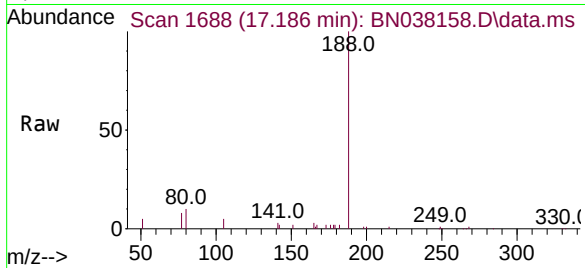
Tgt Ion:188 Resp: 27804

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

80 10.5 8.6 13.0



#26

Anthracene

Concen: 0.028 ng

RT: 17.310 min Scan# 1698

Delta R.T. -0.012 min

Lab File: BN038158.D

Acq: 07 Nov 2025 17:21

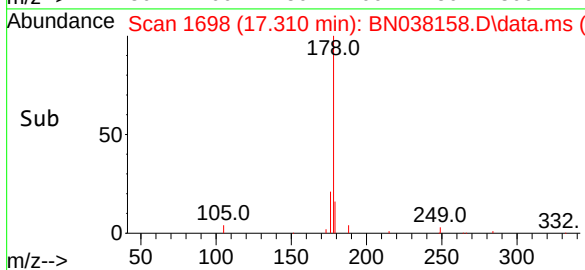
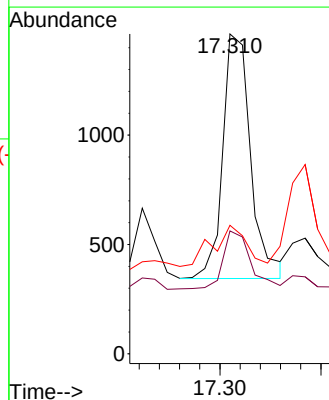
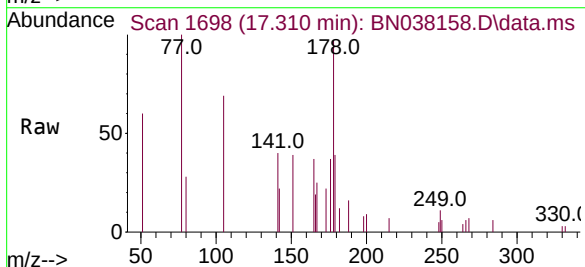
Tgt Ion:178 Resp: 2151

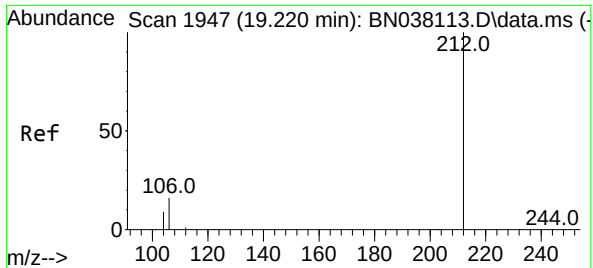
Ion Ratio Lower Upper

178 100

176 23.2 14.9 22.3#

179 20.1 11.8 17.8#

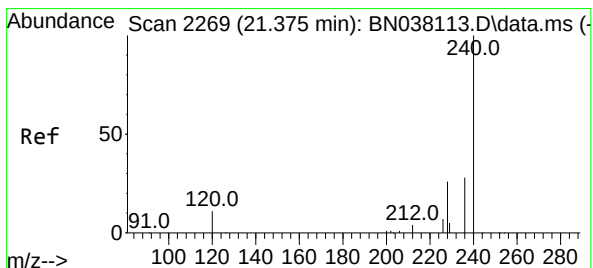
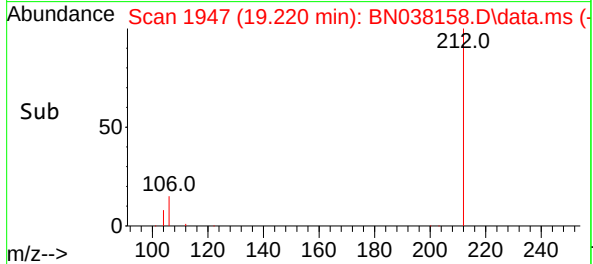
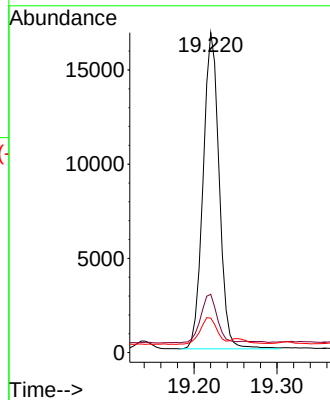
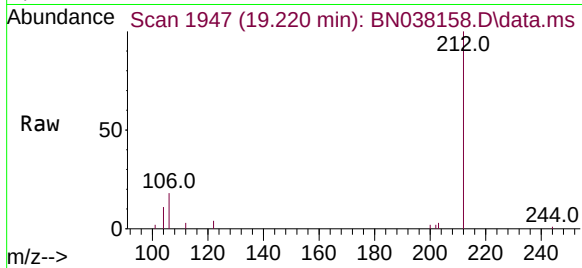




#27
Fluoranthene-d10
Concen: 0.321 ng
RT: 19.220 min Scan# 1947
Delta R.T. 0.000 min
Lab File: BN038158.D
Acq: 07 Nov 2025 17:21

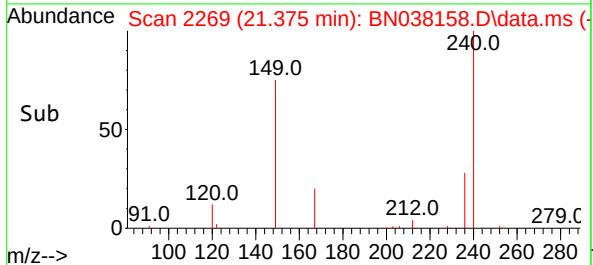
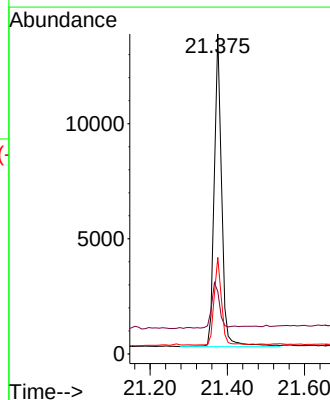
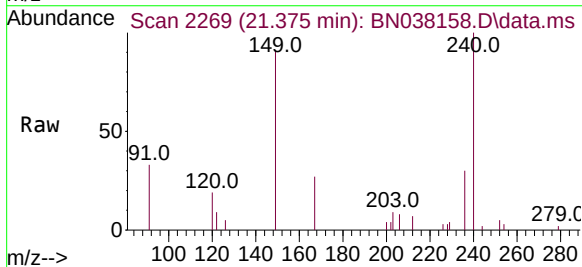
Instrument :
BNA_N
ClientSampleId :
MW-EB-2

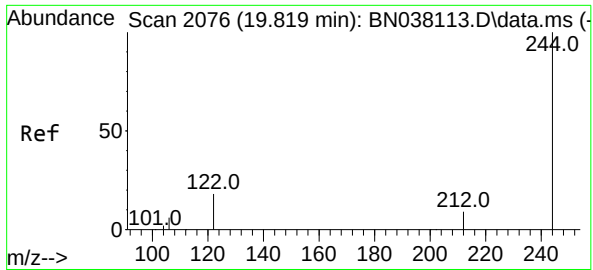
Tgt Ion	Ratio	Lower	Upper
212	100		
106	15.9	12.6	19.0
104	8.8	7.1	10.7



#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.375 min Scan# 2269
Delta R.T. 0.000 min
Lab File: BN038158.D
Acq: 07 Nov 2025 17:21

Tgt Ion	Ratio	Lower	Upper
240	100		
120	19.5	10.7	16.1
236	30.1	23.1	34.7

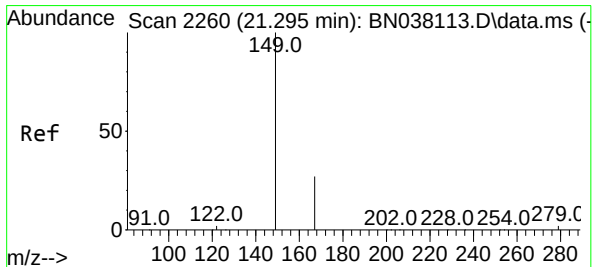
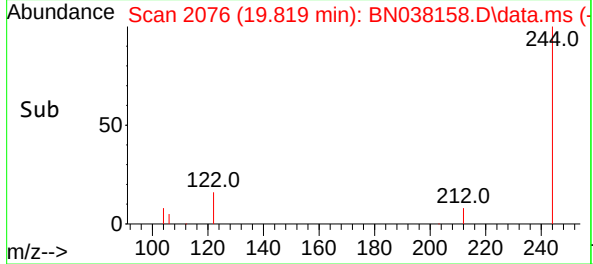
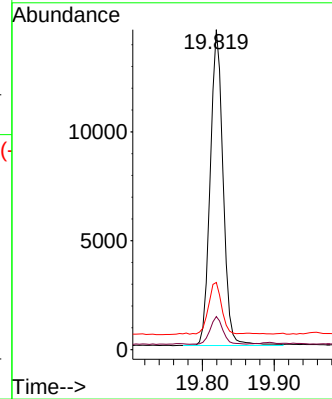
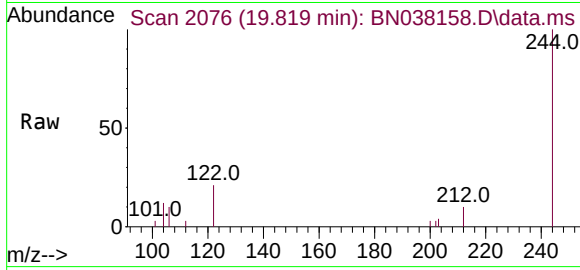




#31
Terphenyl-d14
Concen: 0.461 ng
RT: 19.819 min Scan# 2076
Delta R.T. 0.000 min
Lab File: BN038158.D
Acq: 07 Nov 2025 17:21

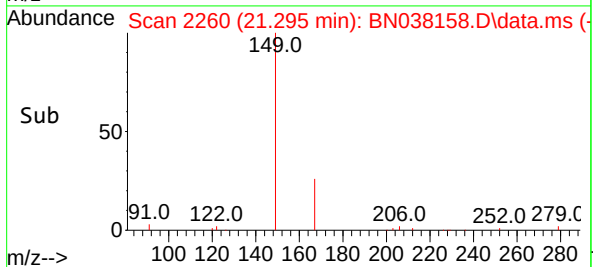
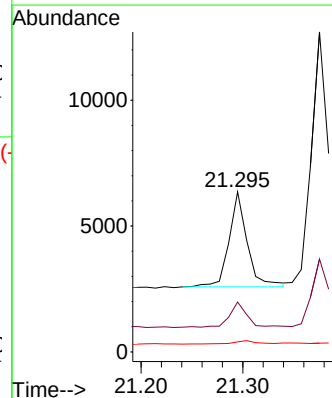
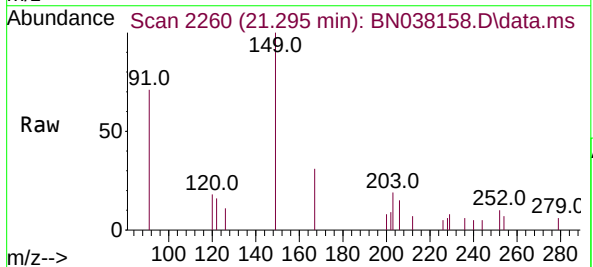
Instrument :
BNA_N
ClientSampleId :
MW-EB-2

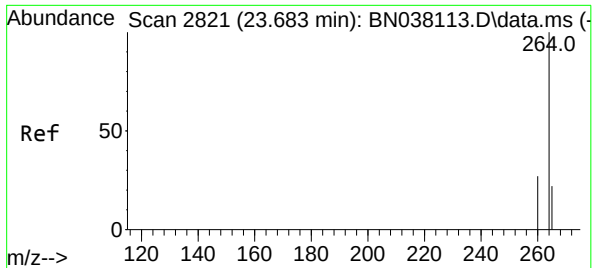
Tgt Ion	Ratio	Lower	Upper
244	100		
212	10.3	7.8	11.6
122	21.0	15.2	22.8



#34
Bis(2-ethylhexyl)phthalate
Concen: 0.137 ng
RT: 21.295 min Scan# 2260
Delta R.T. 0.000 min
Lab File: BN038158.D
Acq: 07 Nov 2025 17:21

Tgt Ion	Ratio	Lower	Upper
149	100		
167	24.7	21.1	31.7
279	4.9	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: BN038158.D

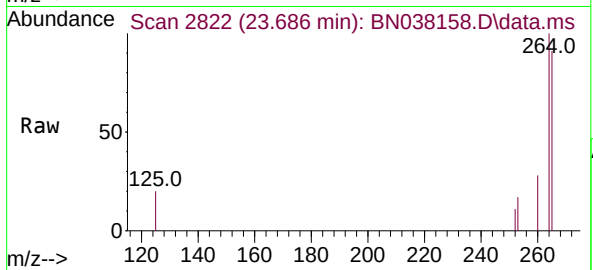
Acq: 07 Nov 2025 17:21

Instrument :

BNA_N

ClientSampleId :

MW-EB-2



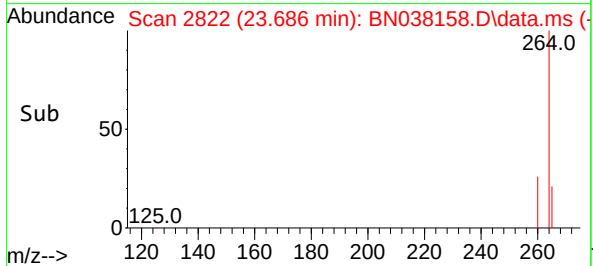
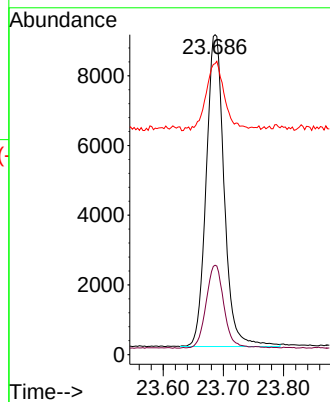
Tgt Ion:264 Resp: 18619

Ion	Ratio	Lower	Upper
-----	-------	-------	-------

264	100		
-----	-----	--	--

260	27.9	21.8	32.8
-----	------	------	------

265	90.9	68.6	102.8
-----	------	------	-------





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

Report of Analysis

Client:	Remington & Vernick Engineers		Date Collected:	11/03/25
Project:	Edison Landfill		Date Received:	11/04/25
Client Sample ID:	MW-EB-3		SDG No.:	Q3534
Lab Sample ID:	Q3534-07		Matrix:	Water
Analytical Method:	SW8270ESIM	Level: LOW	% Solid:	0
Sample Wt/Vol:	950 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	2.30		1	0.070	0.21	ug/L	11/07/25 17:58	PB170427
SURROGATES									
7297-45-2	2-Methylnaphthalene-d10	0.29			30 (20) - 150 (139)	73%	SPK: 0.4		
93951-69-0	Fluoranthene-d10	0.31			30 (54) - 150 (157)	78%	SPK: 0.4		
4165-60-0	Nitrobenzene-d5	0.28			30 (27) - 130 (154)	70%	SPK: 0.4		
321-60-8	2-Fluorobiphenyl	0.31			30 (30) - 130 (155)	77%	SPK: 0.4		
1718-51-0	Terphenyl-d14	0.54	*		30 (54) - 130 (175)	135%	SPK: 0.4		
INTERNAL STANDARDS		Area Count							
3855-82-1	1,4-Dichlorobenzene-d4	9140							
1146-65-2	Naphthalene-d8	30200							
15067-26-2	Acenaphthene-d10	18600							
1517-22-2	Phenanthrene-d10	32700							
1719-03-5	Chrysene-d12	18300							
1520-96-3	Perylene-d12	17300							

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

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN110725\
 Data File : BN038159.D
 Acq On : 07 Nov 2025 17:58
 Operator : RC/JU
 Sample : Q3534-07
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 MW-EB-3

Quant Time: Nov 08 03:05:06 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)

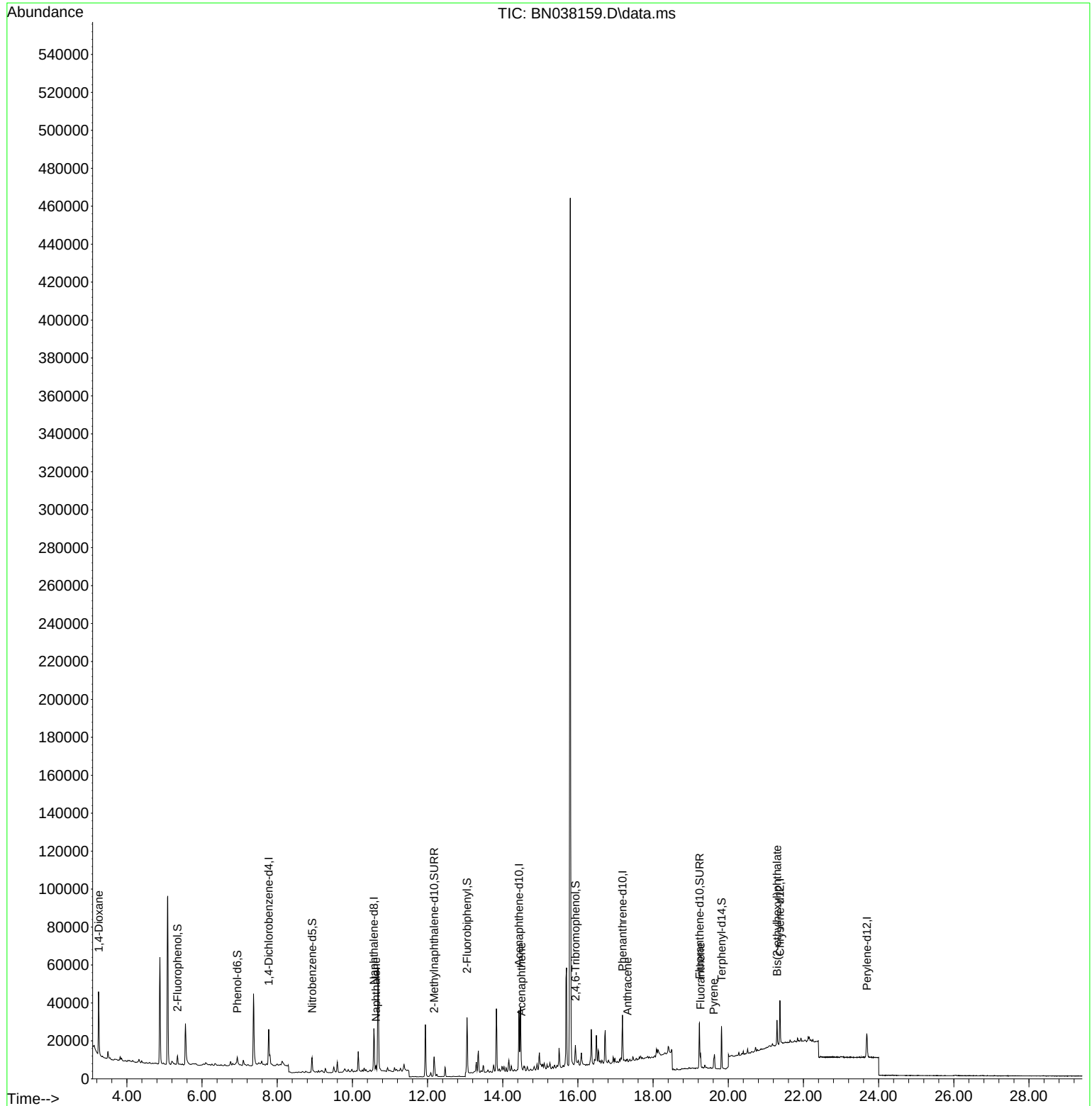
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.775	152	9137	0.400	ng	0.00
7) Naphthalene-d8	10.573	136	30158	0.400	ng	# 0.00
13) Acenaphthene-d10	14.430	164	18614	0.400	ng	0.00
19) Phenanthrene-d10	17.186	188	32744	0.400	ng	0.00
29) Chrysene-d12	21.375	240	18258	0.400	ng	# 0.00
35) Perylene-d12	23.686	264	17319	0.400	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.348	112	3536	0.164	ng	0.00
5) Phenol-d6	6.937	99	3445	0.131	ng	0.00
8) Nitrobenzene-d5	8.929	82	6804	0.280	ng	0.00
11) 2-Methylnaphthalene-d10	12.172	152	12636	0.293	ng	0.00
14) 2,4,6-Tribromophenol	15.932	330	3294	0.430	ng	0.00
15) 2-Fluorobiphenyl	13.051	172	23012	0.309	ng	0.00
27) Fluoranthene-d10	19.234	212	25680	0.311	ng	0.01
31) Terphenyl-d14	19.819	244	21461	0.541	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	3.254	88	21027	2.227	ng	99
9) Naphthalene	10.626	128	3732	0.045	ng	# 88
17) Acenaphthene	14.494	154	1942	0.033	ng	# 80
26) Anthracene	17.322	178	1917	0.021	ng	# 79
28) Fluoranthene	19.262	202	5681	0.049	ng	# 88
30) Pyrene	19.615	202	4139	0.050	ng	# 77
34) Bis(2-ethylhexyl)phtha...	21.295	149	12875	0.375	ng	97

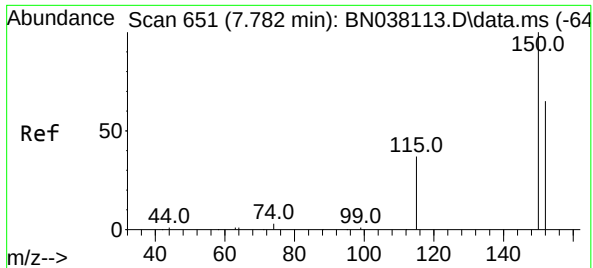
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN110725\
Data File : BN038159.D
Acq On : 07 Nov 2025 17:58
Operator : RC/JU
Sample : Q3534-07
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
MW-EB-3

Quant Time: Nov 08 03:05:06 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

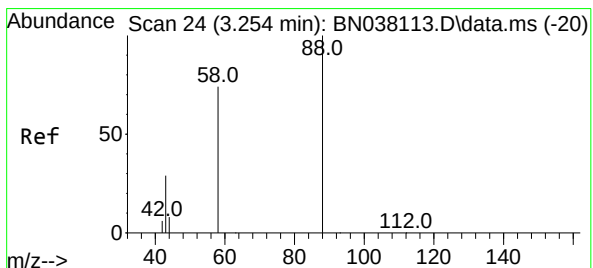
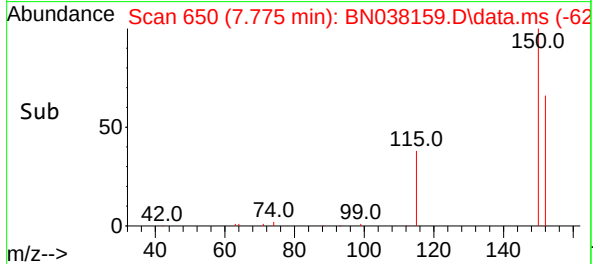
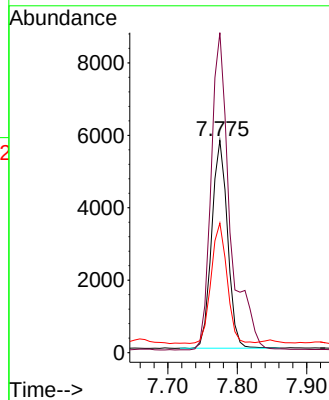
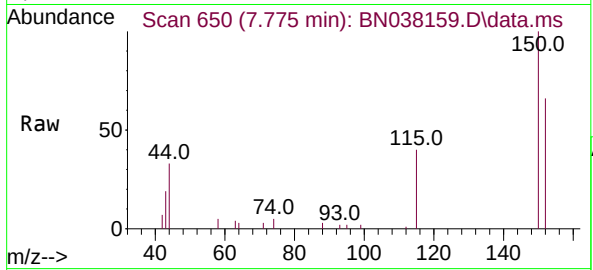




#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.775 min Scan# 61
Delta R.T. -0.000 min
Lab File: BN038159.D
Acq: 07 Nov 2025 17:58

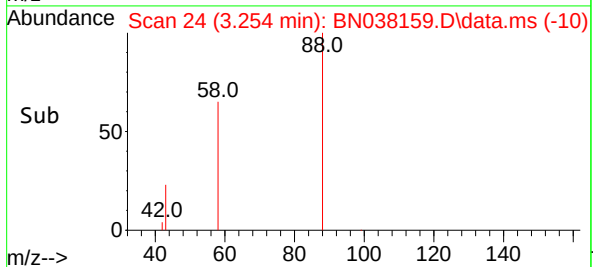
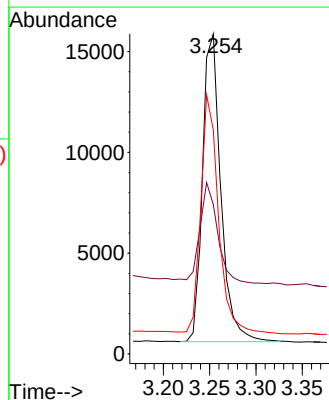
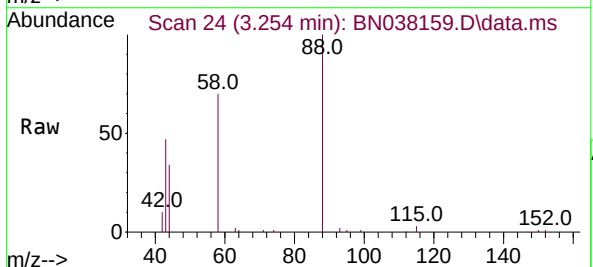
Instrument :
BNA_N
ClientSampleId :
MW-EB-3

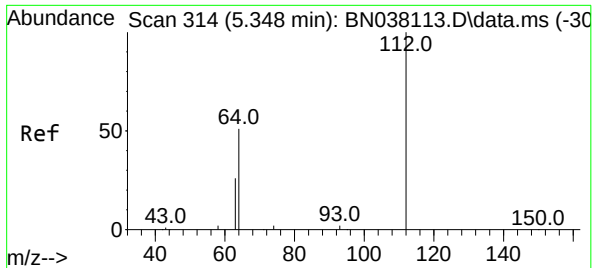
Tgt Ion:152 Resp: 9137
Ion Ratio Lower Upper
152 100
150 150.8 122.3 183.5
115 61.0 47.4 71.0



#2
1,4-Dioxane
Concen: 2.227 ng
RT: 3.254 min Scan# 24
Delta R.T. 0.000 min
Lab File: BN038159.D
Acq: 07 Nov 2025 17:58

Tgt Ion: 88 Resp: 21027
Ion Ratio Lower Upper
88 100
43 32.5 24.3 36.5
58 75.1 60.4 90.6

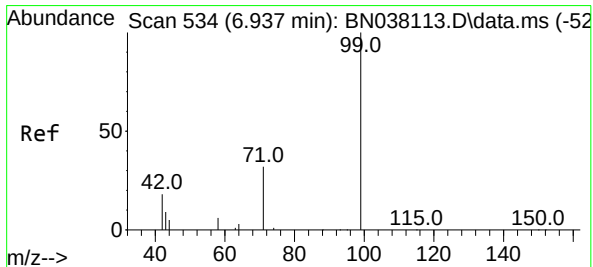
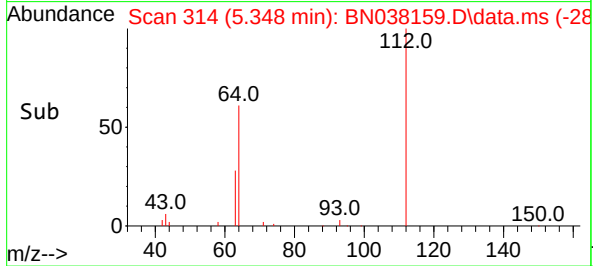
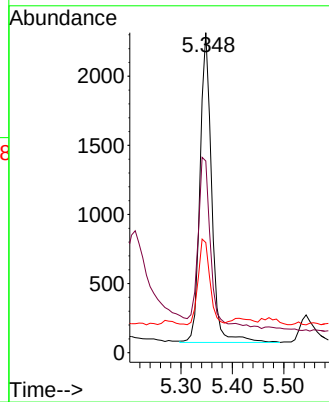
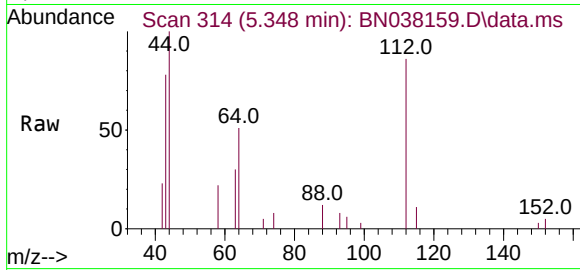




#4
2-Fluorophenol
Concen: 0.164 ng
RT: 5.348 min Scan# 314
Delta R.T. 0.000 min
Lab File: BN038159.D
Acq: 07 Nov 2025 17:58

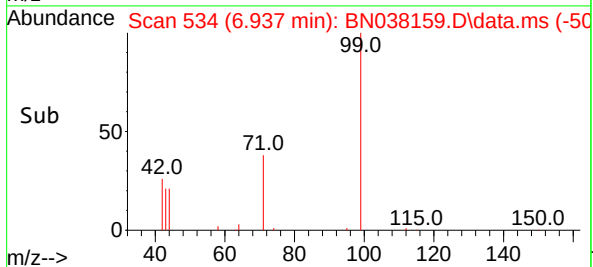
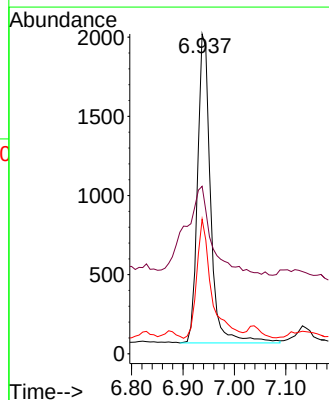
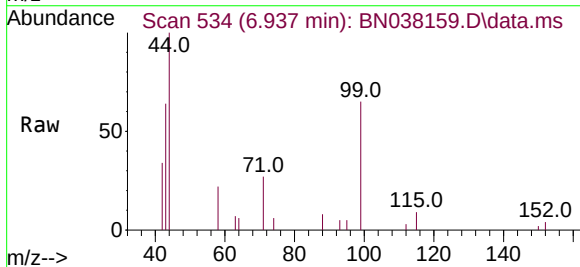
Instrument :
BNA_N
ClientSampleId :
MW-EB-3

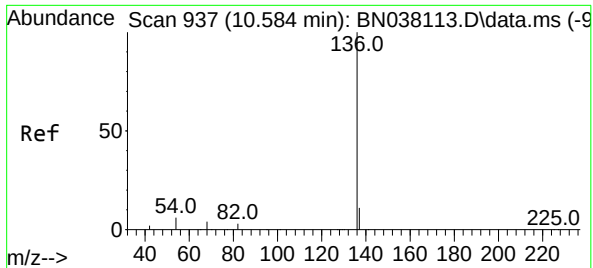
Tgt Ion: 112 Resp: 3536
Ion Ratio Lower Upper
112 100
64 64.2 45.4 68.0
63 28.2 23.2 34.8



#5
Phenol-d6
Concen: 0.131 ng
RT: 6.937 min Scan# 534
Delta R.T. 0.000 min
Lab File: BN038159.D
Acq: 07 Nov 2025 17:58

Tgt Ion: 99 Resp: 3445
Ion Ratio Lower Upper
99 100
42 59.6 16.6 24.8#
71 43.7 25.4 38.2#

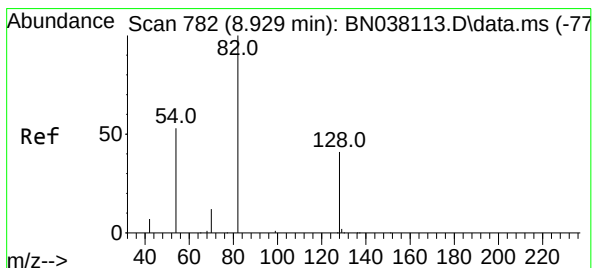
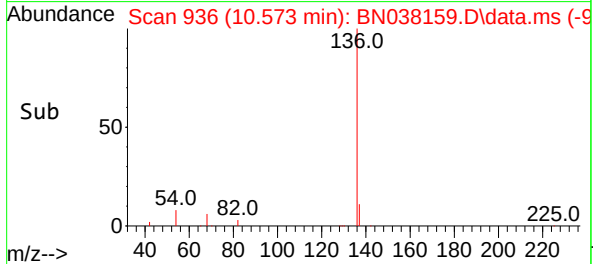
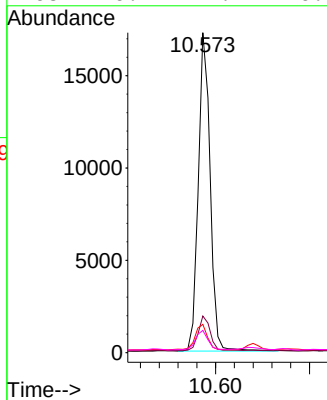
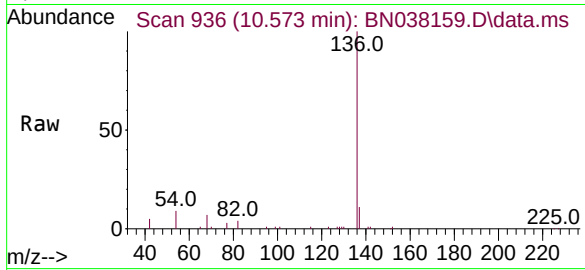




#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.573 min Scan# 937
Delta R.T. 0.000 min
Lab File: BN038159.D
Acq: 07 Nov 2025 17:58

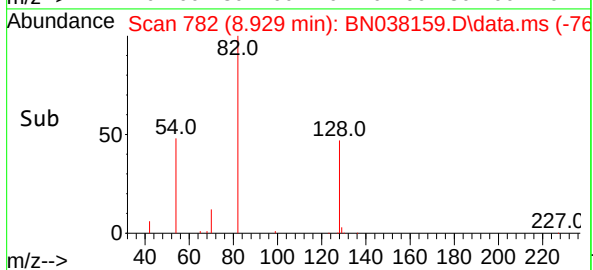
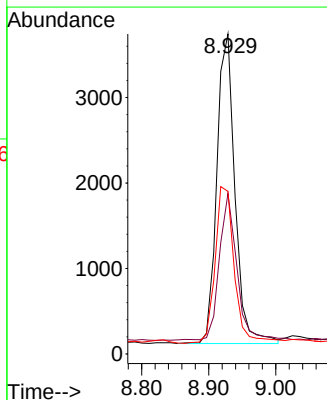
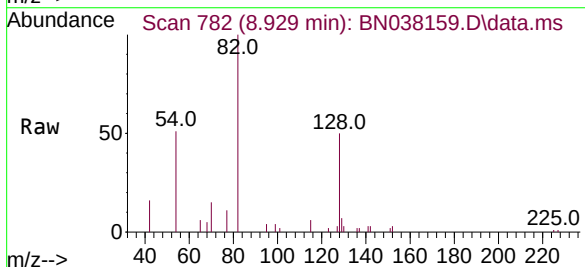
Instrument :
BNA_N
ClientSampleId :
MW-EB-3

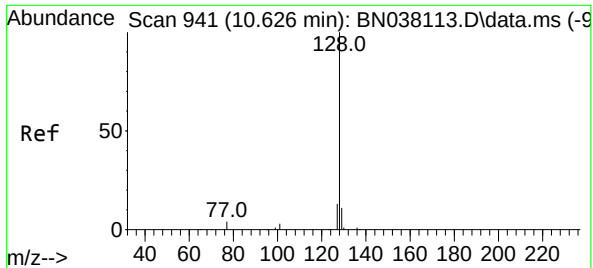
Tgt Ion:	136	Resp:	30158
Ion Ratio	Lower	Upper	
136	100		
137	11.4	9.0	13.4
54	8.8	5.2	7.8#
68	6.9	4.1	6.1#



#8
Nitrobenzene-d5
Concen: 0.280 ng
RT: 8.929 min Scan# 782
Delta R.T. 0.000 min
Lab File: BN038159.D
Acq: 07 Nov 2025 17:58

Tgt Ion:	82	Resp:	6804
Ion Ratio	Lower	Upper	
82	100		
128	50.1	34.1	51.1
54	50.8	43.5	65.3

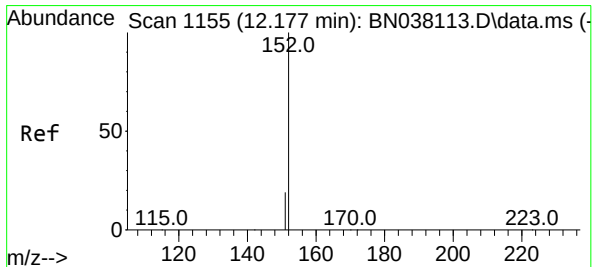
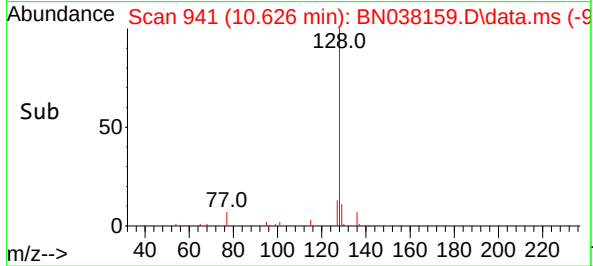
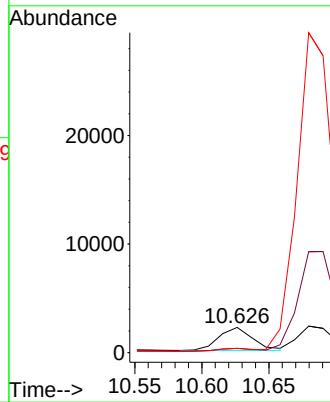
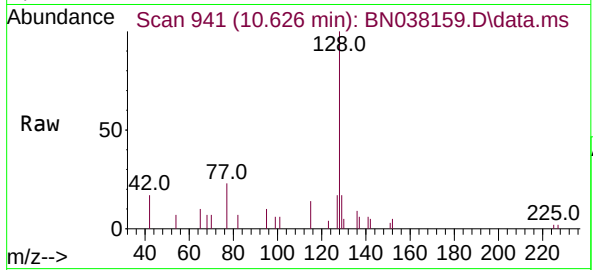




#9
Naphthalene
Concen: 0.045 ng
RT: 10.626 min Scan# 941
Delta R.T. 0.000 min
Lab File: BN038159.D
Acq: 07 Nov 2025 17:58

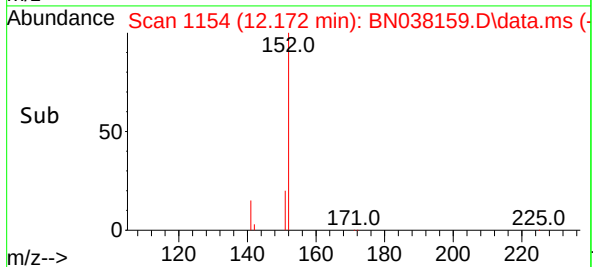
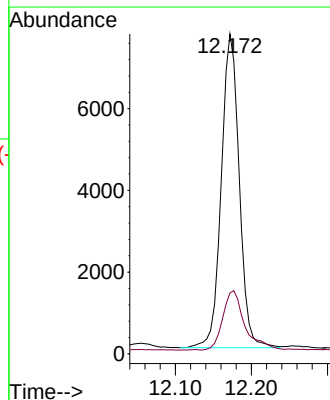
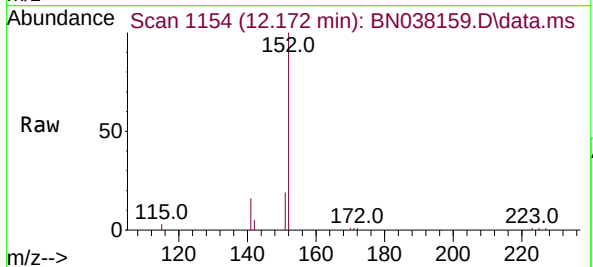
Instrument :
BNA_N
ClientSampleId :
MW-EB-3

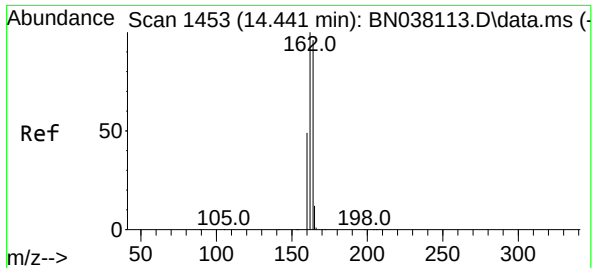
Tgt Ion:128 Resp: 3732
Ion Ratio Lower Upper
128 100
129 17.0 9.1 13.7#
127 16.7 10.5 15.7#



#11
2-Methylnaphthalene-d10
Concen: 0.293 ng
RT: 12.172 min Scan# 1154
Delta R.T. -0.005 min
Lab File: BN038159.D
Acq: 07 Nov 2025 17:58

Tgt Ion:152 Resp: 12636
Ion Ratio Lower Upper
152 100
151 23.4 16.8 25.2

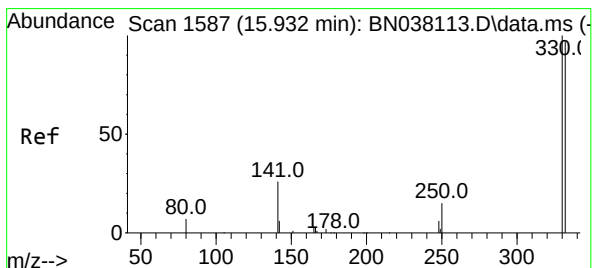
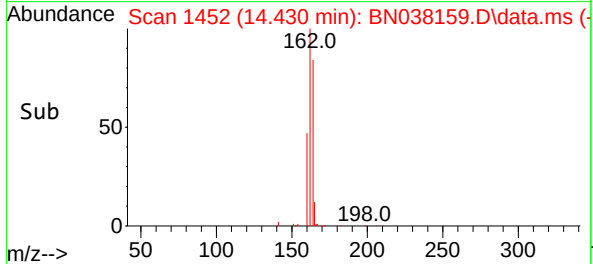
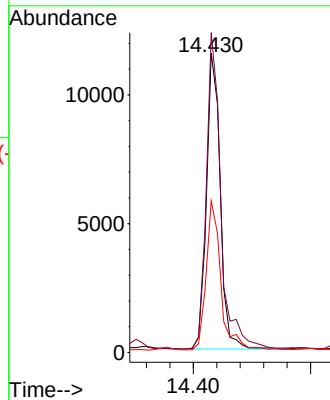
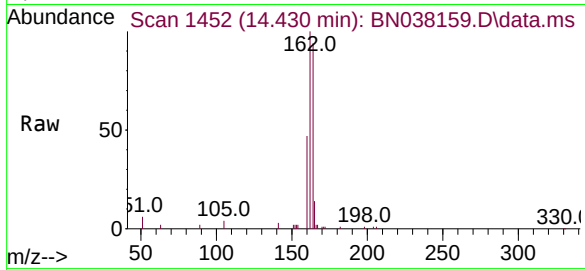




#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.430 min Scan# 1453
Delta R.T. -0.000 min
Lab File: BN038159.D
Acq: 07 Nov 2025 17:58

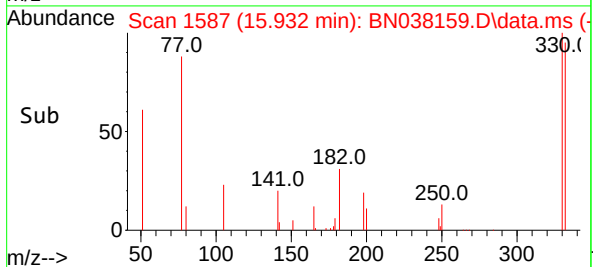
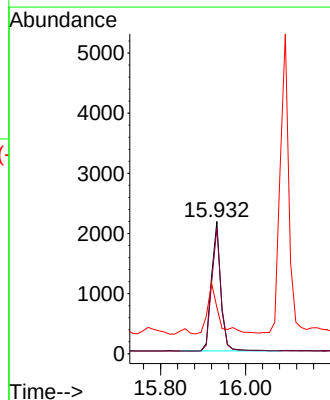
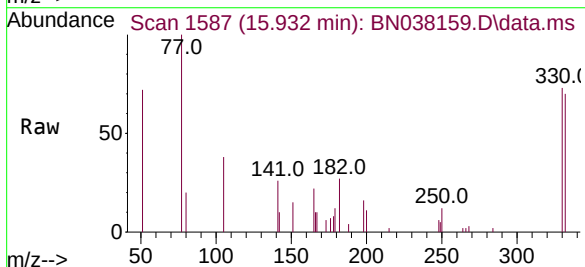
Instrument :
BNA_N
ClientSampleId :
MW-EB-3

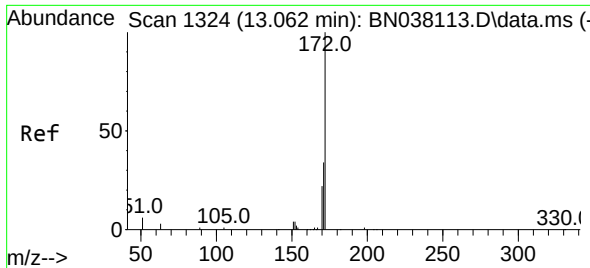
Tgt Ion:164 Resp: 18614
Ion Ratio Lower Upper
164 100
162 106.9 83.0 124.4
160 50.7 40.7 61.1



#14
2,4,6-Tribromophenol
Concen: 0.430 ng
RT: 15.932 min Scan# 1587
Delta R.T. 0.000 min
Lab File: BN038159.D
Acq: 07 Nov 2025 17:58

Tgt Ion:330 Resp: 3294
Ion Ratio Lower Upper
330 100
332 94.8 76.6 114.8
141 46.2 34.1 51.1

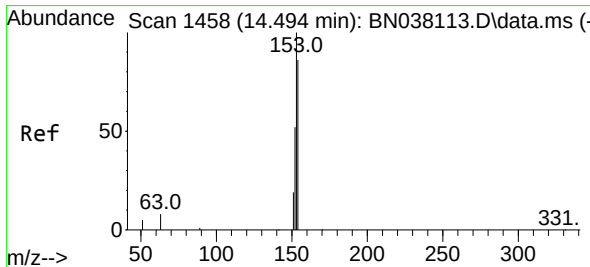
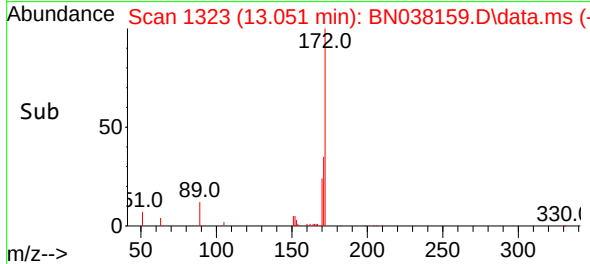
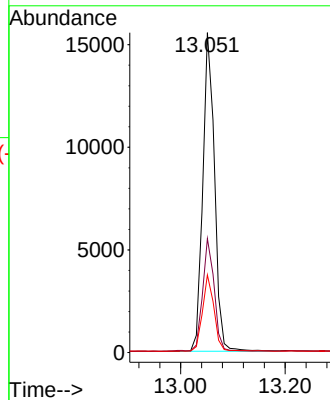
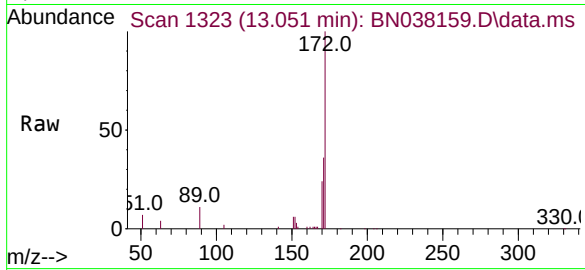




#15
2-Fluorobiphenyl
Concen: 0.309 ng
RT: 13.051 min Scan# 1323
Delta R.T. 0.000 min
Lab File: BN038159.D
Acq: 07 Nov 2025 17:58

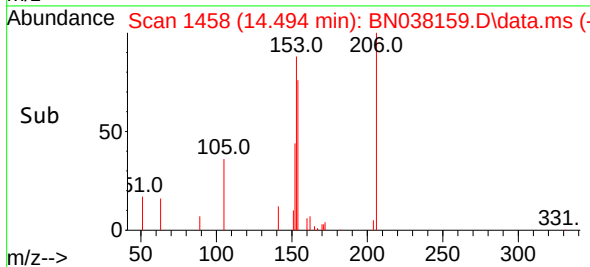
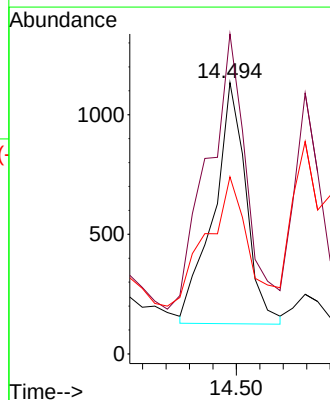
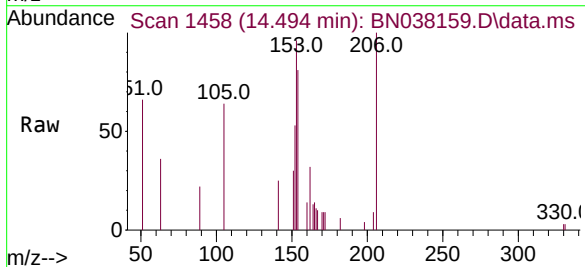
Instrument :
BNA_N
ClientSampleId :
MW-EB-3

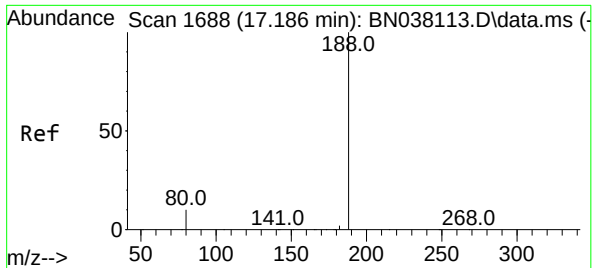
Tgt Ion:172 Resp: 23012
Ion Ratio Lower Upper
172 100
171 35.6 27.8 41.6
170 24.3 18.1 27.1



#17
Acenaphthene
Concen: 0.033 ng
RT: 14.494 min Scan# 1458
Delta R.T. 0.000 min
Lab File: BN038159.D
Acq: 07 Nov 2025 17:58

Tgt Ion:154 Resp: 1942
Ion Ratio Lower Upper
154 100
153 134.7 90.0 135.0
152 73.1 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: BN038159.D

Acq: 07 Nov 2025 17:58

Instrument :

BNA_N

ClientSampleId :

MW-EB-3

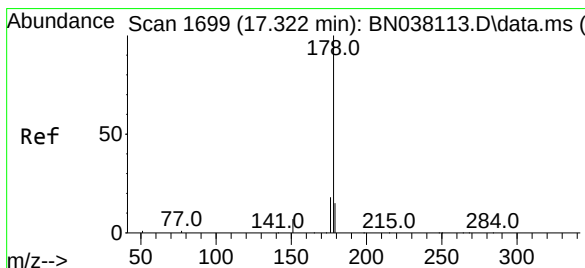
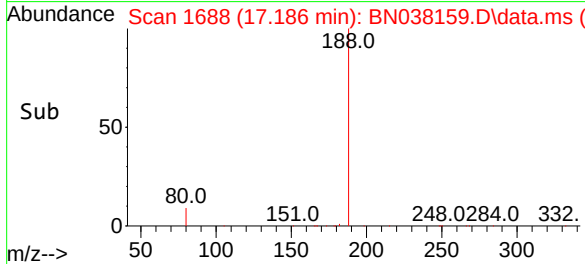
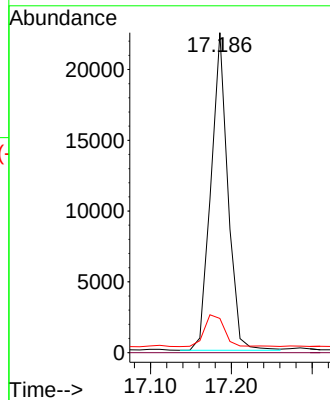
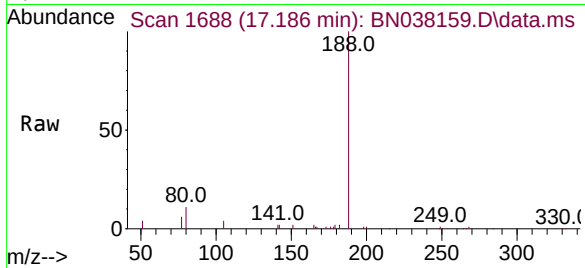
Tgt Ion:188 Resp: 32744

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

80 10.7 8.6 13.0



#26

Anthracene

Concen: 0.021 ng

RT: 17.322 min Scan# 1699

Delta R.T. 0.000 min

Lab File: BN038159.D

Acq: 07 Nov 2025 17:58

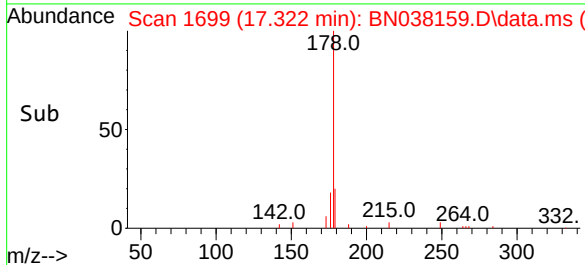
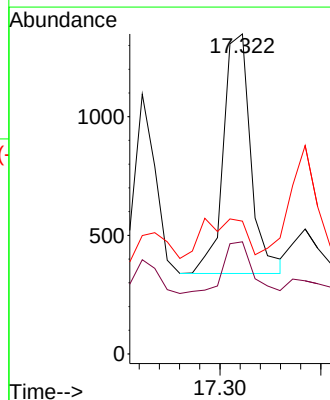
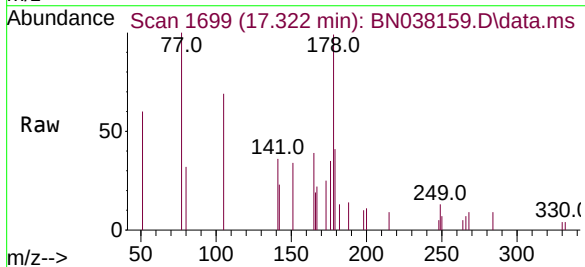
Tgt Ion:178 Resp: 1917

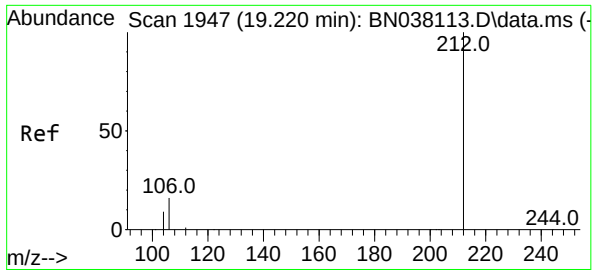
Ion Ratio Lower Upper

178 100

176 22.9 14.9 22.3#

179 0.0 11.8 17.8#





#27

Fluoranthene-d10

Concen: 0.311 ng

RT: 19.234 min Scan# 1950

Delta R.T. 0.014 min

Lab File: BN038159.D

Acq: 07 Nov 2025 17:58

Instrument :

BNA_N

ClientSampleId :

MW-EB-3

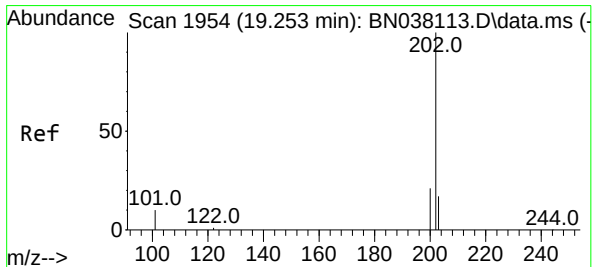
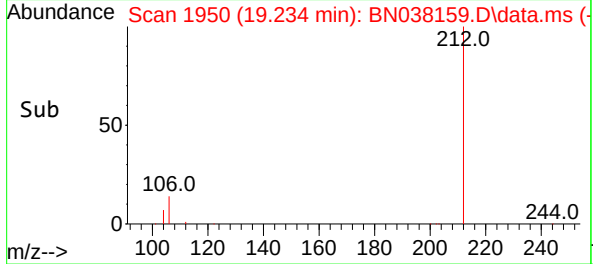
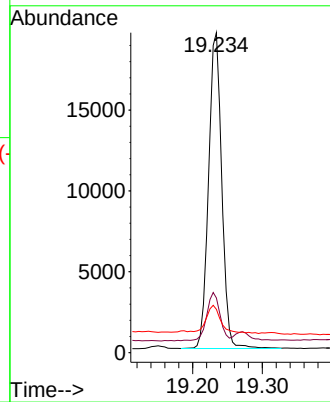
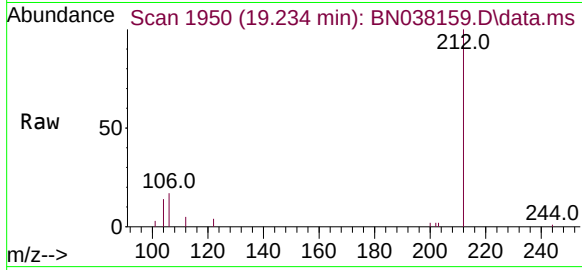
Tgt Ion:212 Resp: 25680

Ion Ratio Lower Upper

212 100

106 15.6 12.6 19.0

104 10.0 7.1 10.7



#28

Fluoranthene

Concen: 0.049 ng

RT: 19.262 min Scan# 1956

Delta R.T. 0.009 min

Lab File: BN038159.D

Acq: 07 Nov 2025 17:58

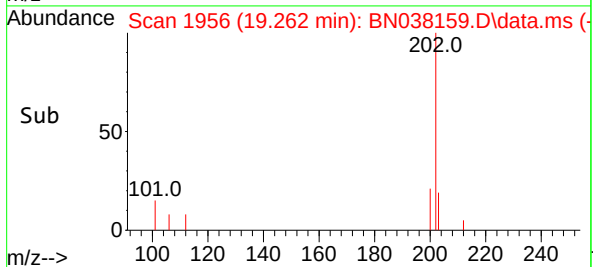
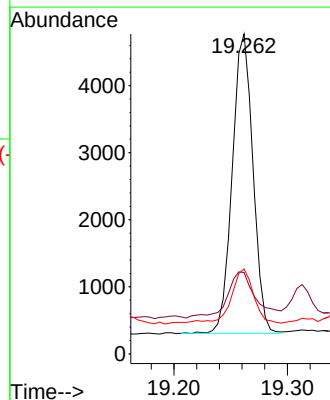
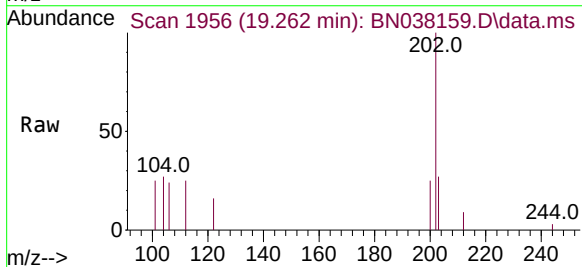
Tgt Ion:202 Resp: 5681

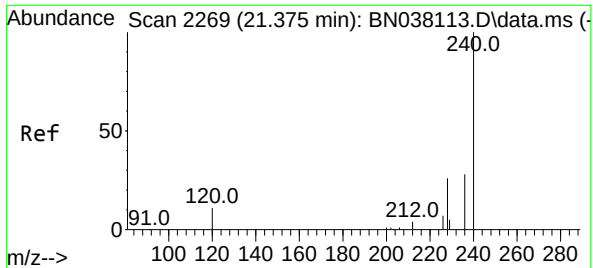
Ion Ratio Lower Upper

202 100

101 21.1 9.4 14.2#

203 18.4 13.4 20.2

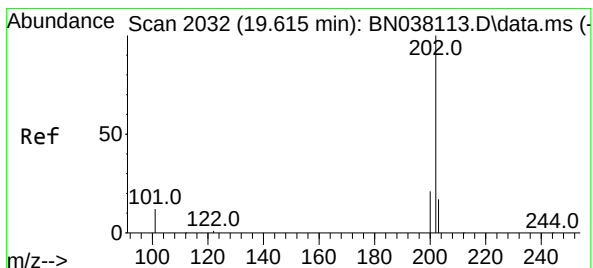
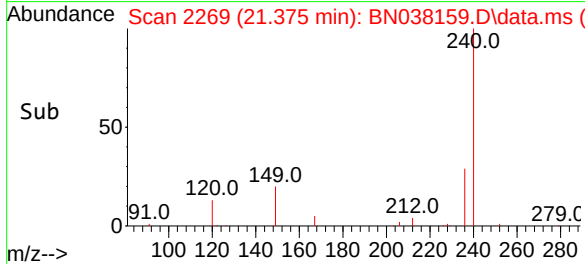
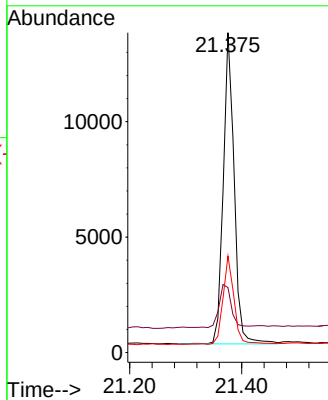
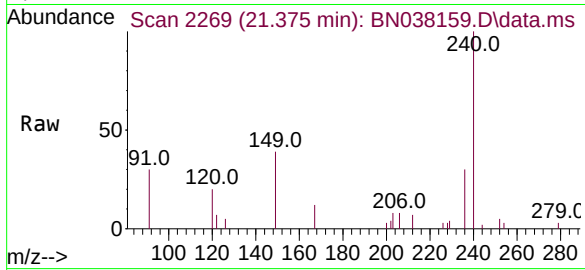




#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.375 min Scan# 21
Delta R.T. -0.000 min
Lab File: BN038159.D
Acq: 07 Nov 2025 17:58

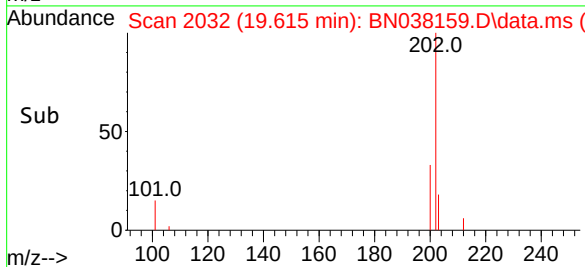
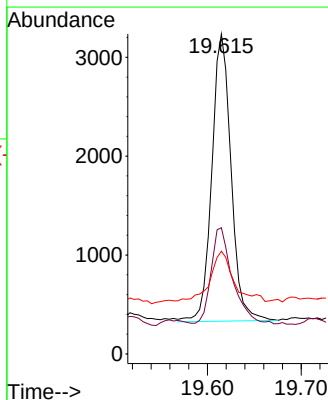
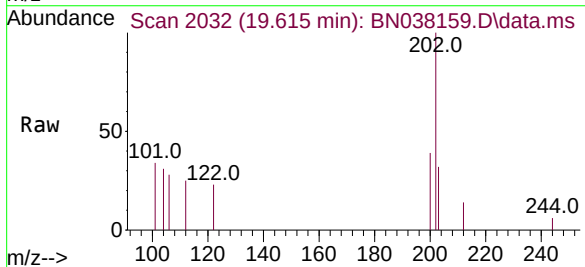
Instrument :
BNA_N
ClientSampleId :
MW-EB-3

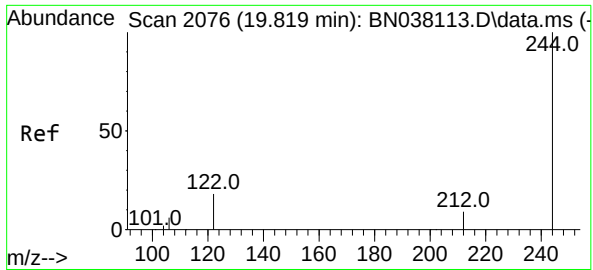
Tgt Ion:240 Resp: 18258
Ion Ratio Lower Upper
240 100
120 20.3 10.7 16.1#
236 30.2 23.1 34.7



#30
Pyrene
Concen: 0.050 ng
RT: 19.615 min Scan# 2032
Delta R.T. 0.005 min
Lab File: BN038159.D
Acq: 07 Nov 2025 17:58

Tgt Ion:202 Resp: 4139
Ion Ratio Lower Upper
202 100
200 39.0 16.7 25.1#
203 20.1 14.2 21.2

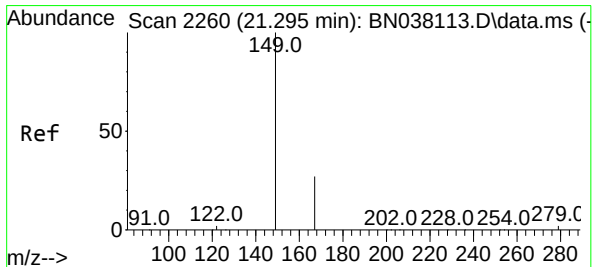
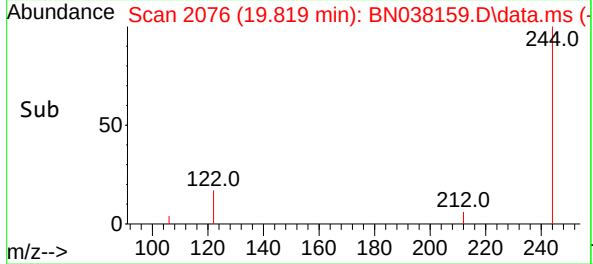
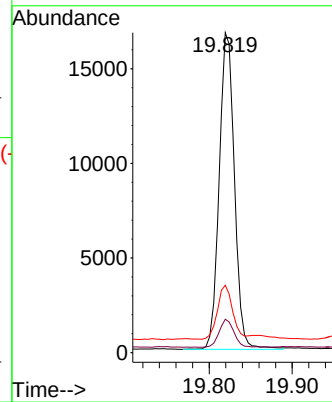
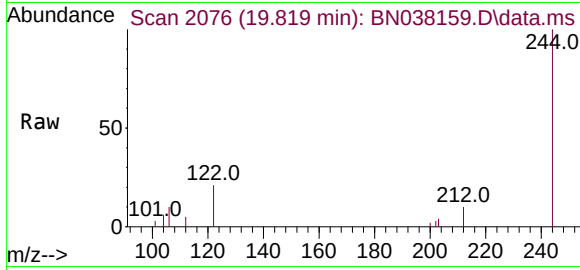




#31
 Terphenyl-d14
 Concen: 0.541 ng
 RT: 19.819 min Scan# 2076
 Delta R.T. 0.000 min
 Lab File: BN038159.D
 Acq: 07 Nov 2025 17:58

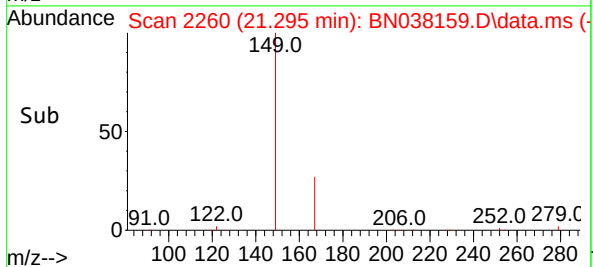
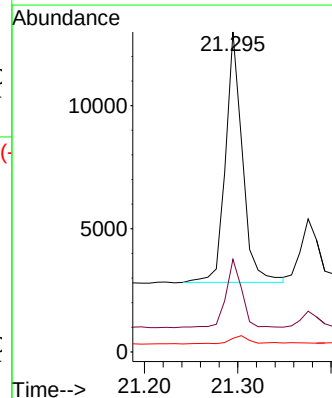
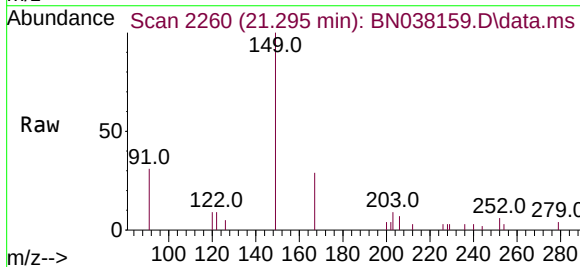
Instrument :
 BNA_N
 ClientSampleId :
 MW-EB-3

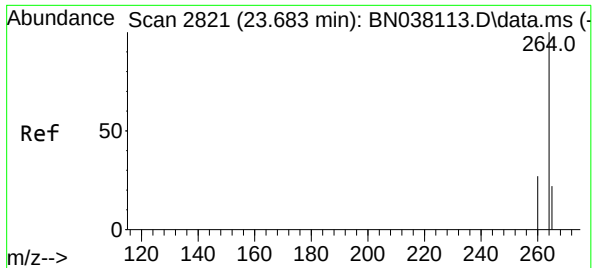
Tgt Ion:244 Resp: 21461
 Ion Ratio Lower Upper
 244 100
 212 10.4 7.8 11.6
 122 21.0 15.2 22.8



#34
 Bis(2-ethylhexyl)phthalate
 Concen: 0.375 ng
 RT: 21.295 min Scan# 2260
 Delta R.T. 0.000 min
 Lab File: BN038159.D
 Acq: 07 Nov 2025 17:58

Tgt Ion:149 Resp: 12875
 Ion Ratio Lower Upper
 149 100
 167 24.6 21.1 31.7
 279 3.8 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: BN038159.D

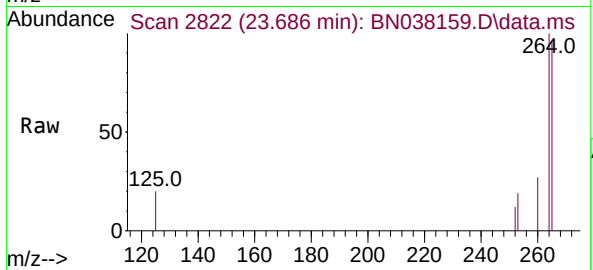
Acq: 07 Nov 2025 17:58

Instrument :

BNA_N

ClientSampleId :

MW-EB-3



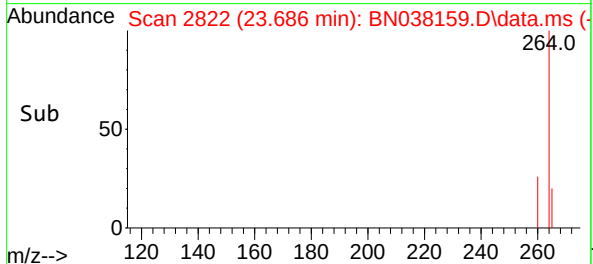
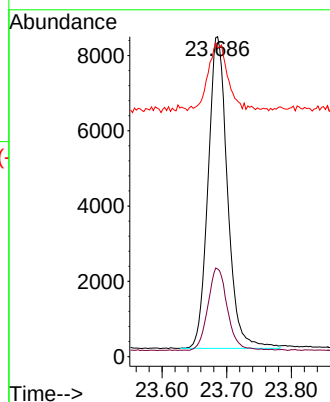
Tgt Ion:264 Resp: 17319

Ion	Ratio	Lower	Upper
-----	-------	-------	-------

264	100		
-----	-----	--	--

260	27.4	21.8	32.8
-----	------	------	------

265	96.5	68.6	102.8
-----	------	------	-------





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

Report of Analysis

Client:	Remington & Vernick Engineers		Date Collected:	11/04/25
Project:	Edison Landfill		Date Received:	11/04/25
Client Sample ID:	FB-1		SDG No.:	Q3534
Lab Sample ID:	Q3534-09		Matrix:	Water
Analytical Method:	SW8270ESIM	Level: LOW	% Solid:	0
Sample Wt/Vol:	500 mL	Final Vol: 500 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	11/07/25 23:31	PB170427
SURROGATES									
7297-45-2	2-Methylnaphthalene-d10	0.071			30 (20) - 150 (139)	36%	SPK: 0.2		
93951-69-0	Fluoranthene-d10	0.083			30 (54) - 150 (157)	41%	SPK: 0.2		
4165-60-0	Nitrobenzene-d5	0.079			30 (27) - 130 (154)	40%	SPK: 0.2		
321-60-8	2-Fluorobiphenyl	0.098			30 (30) - 130 (155)	49%	SPK: 0.2		
1718-51-0	Terphenyl-d14	0.14			30 (54) - 130 (175)	70%	SPK: 0.2		
INTERNAL STANDARDS									
		Area Count							
3855-82-1	1,4-Dichlorobenzene-d4	15000							
1146-65-2	Naphthalene-d8	45100							
15067-26-2	Acenaphthene-d10	24900							
1517-22-2	Phenanthrene-d10	41400							
1719-03-5	Chrysene-d12	24800							
1520-96-3	Perylene-d12	24100							

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

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN110725\
 Data File : BN038167.D
 Acq On : 07 Nov 2025 23:31
 Operator : RC/JU
 Sample : Q3534-09
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 FB-1

Quant Time: Nov 08 03:28:16 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)

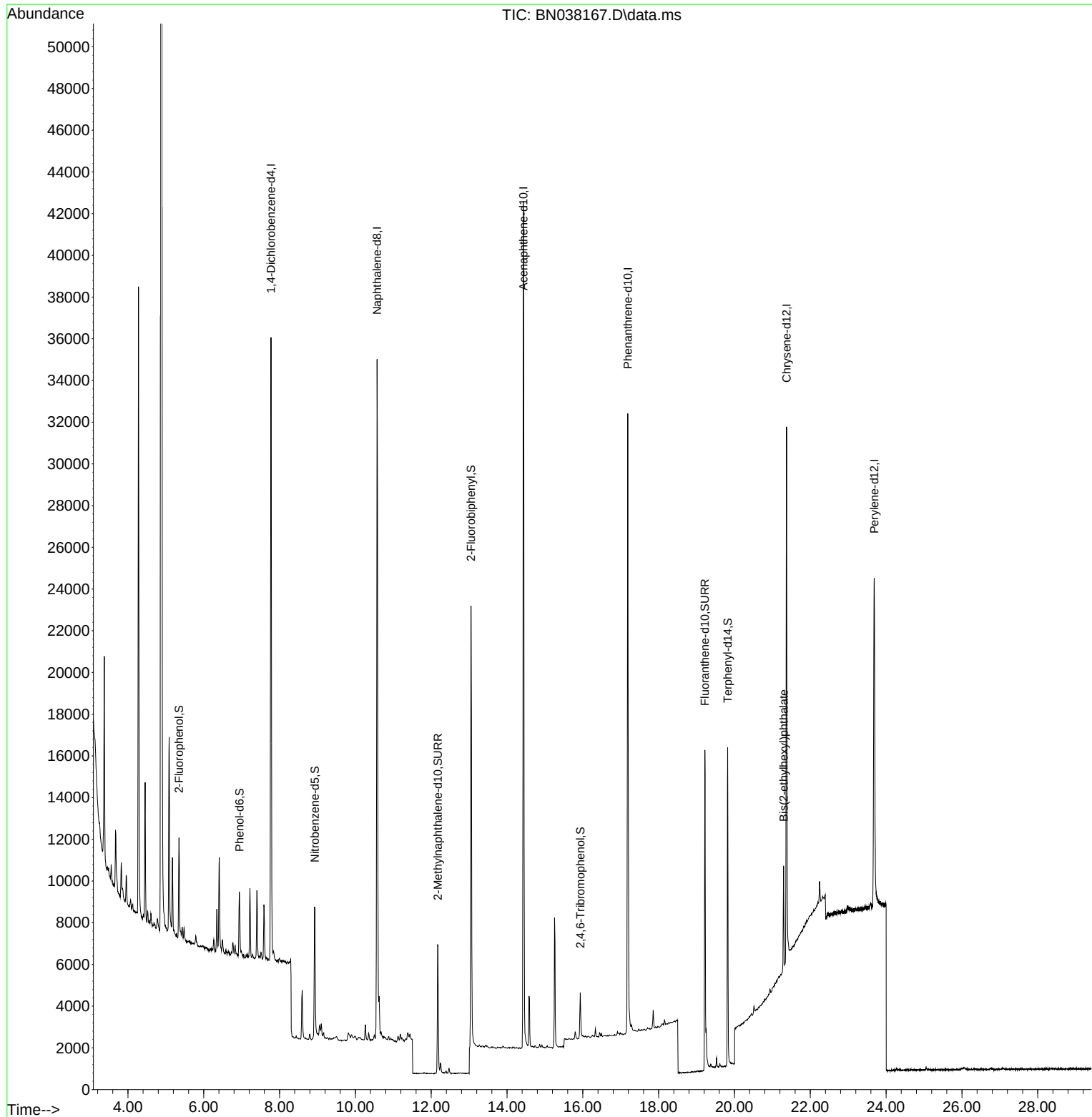
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.775	152	14967	0.400	ng	0.00
7) Naphthalene-d8	10.573	136	45140	0.400	ng	# 0.00
13) Acenaphthene-d10	14.430	164	24883	0.400	ng	0.00
19) Phenanthrene-d10	17.186	188	41414	0.400	ng	0.00
29) Chrysene-d12	21.375	240	24824	0.400	ng	0.00
35) Perylene-d12	23.686	264	24058	0.400	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.348	112	3720	0.106	ng	0.00
5) Phenol-d6	6.944	99	3198	0.074	ng	0.00
8) Nitrobenzene-d5	8.928	82	5752	0.158	ng	0.00
11) 2-Methylnaphthalene-d10	12.172	152	9148	0.142	ng	0.00
14) 2,4,6-Tribromophenol	15.932	330	1408	0.137	ng	0.00
15) 2-Fluorobiphenyl	13.051	172	19428	0.195	ng	0.00
27) Fluoranthene-d10	19.220	212	17300	0.166	ng	0.00
31) Terphenyl-d14	19.819	244	15101	0.280	ng	0.00
Target Compounds						
34) Bis(2-ethylhexyl)phtha...	21.295	149	4898	0.105	ng	Qvalue 96

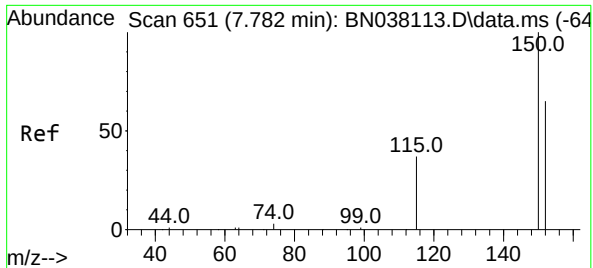
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN110725\
Data File : BN038167.D
Acq On : 07 Nov 2025 23:31
Operator : RC/JU
Sample : Q3534-09
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
FB-1

Quant Time: Nov 08 03:28:16 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

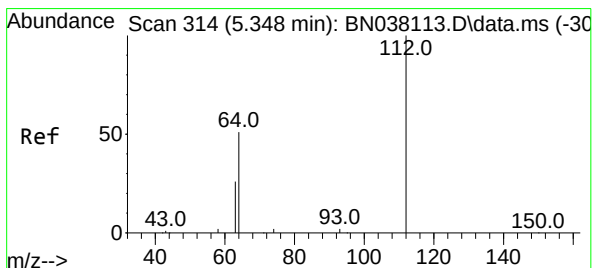
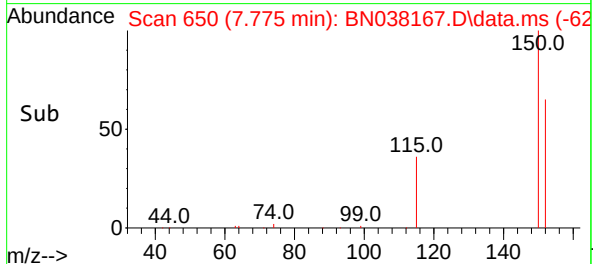
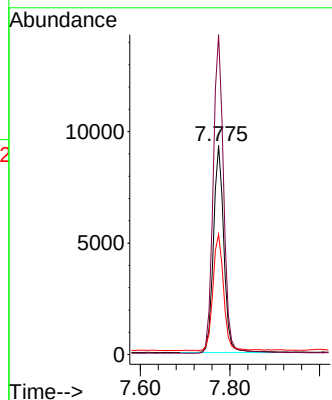
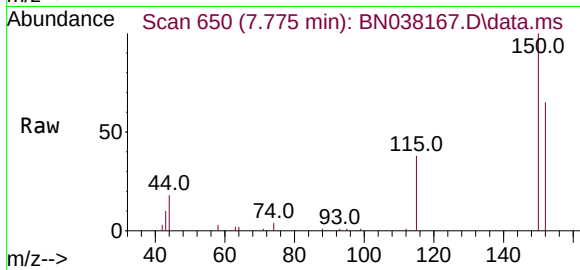




#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.775 min Scan# 61
Delta R.T. -0.000 min
Lab File: BN038167.D
Acq: 07 Nov 2025 23:31

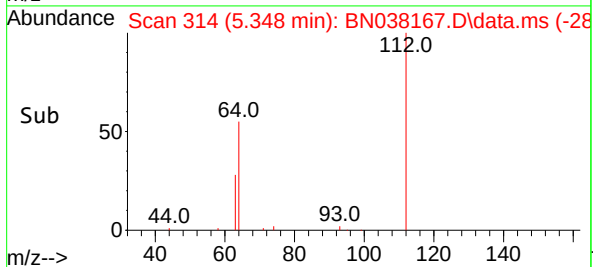
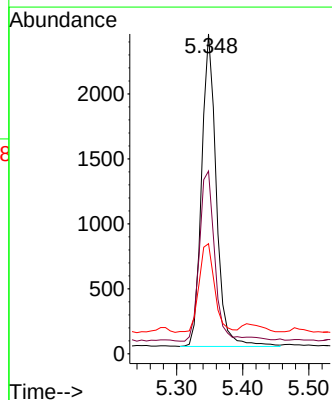
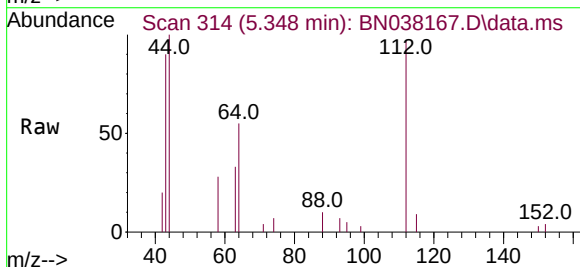
Instrument :
BNA_N
ClientSampleId :
FB-1

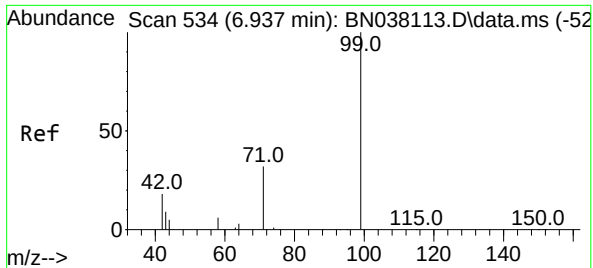
Tgt Ion:152 Resp: 14967
Ion Ratio Lower Upper
152 100
150 153.1 122.3 183.5
115 57.5 47.4 71.0



#4
2-Fluorophenol
Concen: 0.106 ng
RT: 5.348 min Scan# 314
Delta R.T. -0.000 min
Lab File: BN038167.D
Acq: 07 Nov 2025 23:31

Tgt Ion:112 Resp: 3720
Ion Ratio Lower Upper
112 100
64 57.8 45.4 68.0
63 30.4 23.2 34.8

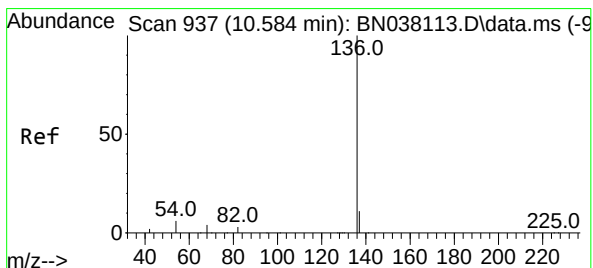
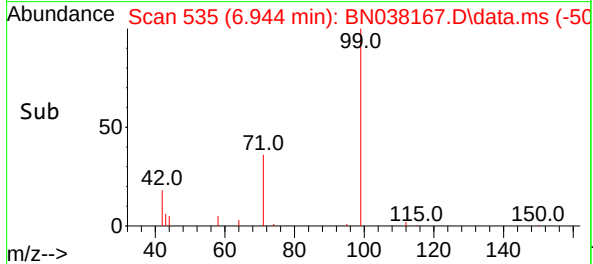
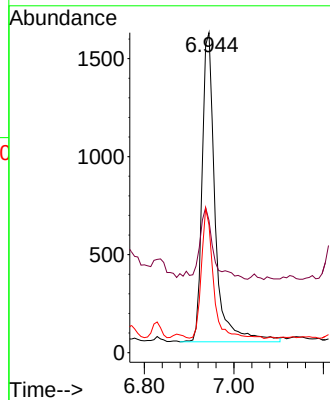
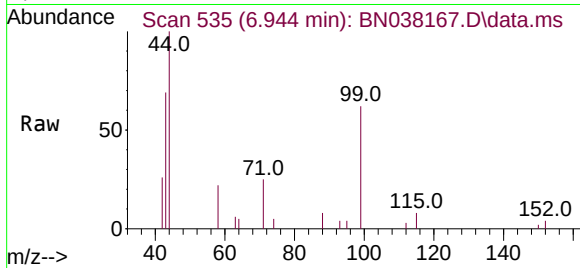




#5
Phenol-d6
Concen: 0.074 ng
RT: 6.944 min Scan# 534
Delta R.T. 0.007 min
Lab File: BN038167.D
Acq: 07 Nov 2025 23:31

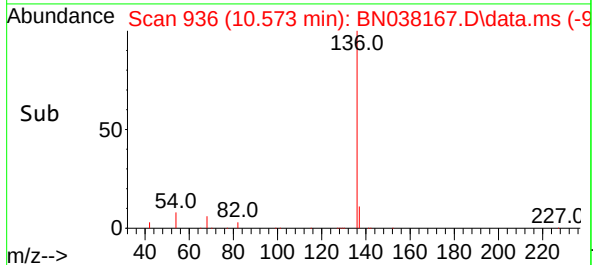
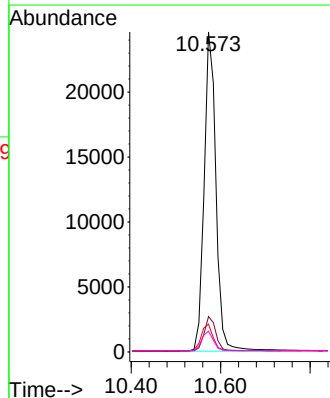
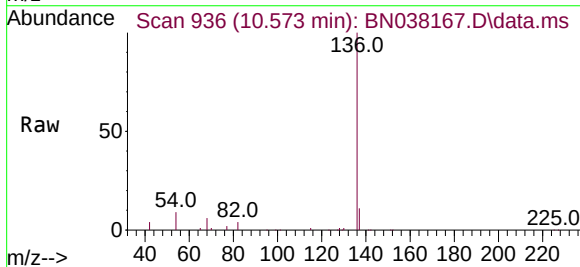
Instrument :
BNA_N
ClientSampleId :
FB-1

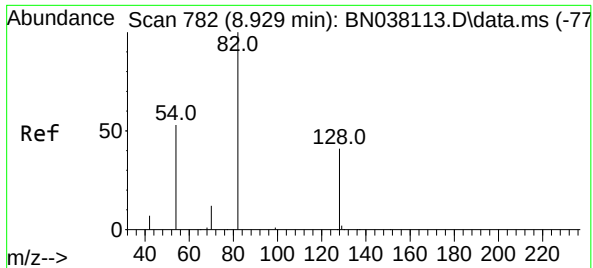
Tgt Ion: 99 Resp: 3198
Ion Ratio Lower Upper
99 100
42 24.9 16.6 24.8#
71 38.4 25.4 38.2#



#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.573 min Scan# 936
Delta R.T. -0.000 min
Lab File: BN038167.D
Acq: 07 Nov 2025 23:31

Tgt Ion: 136 Resp: 45140
Ion Ratio Lower Upper
136 100
137 11.0 9.0 13.4
54 8.7 5.2 7.8#
68 6.5 4.1 6.1#

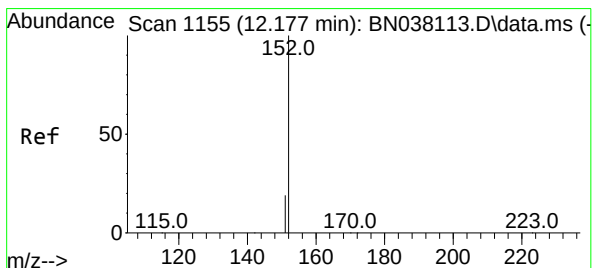
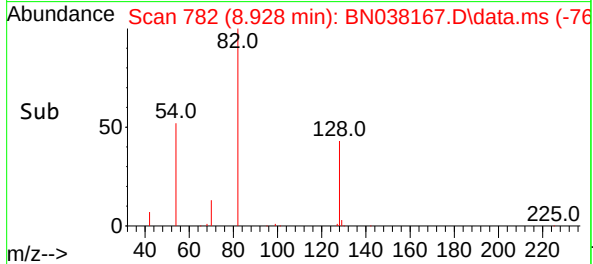
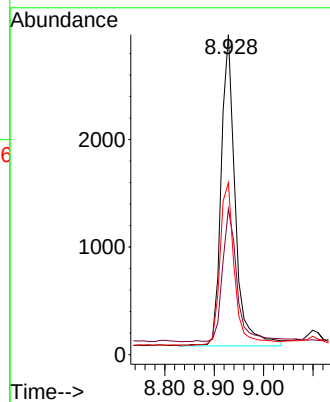
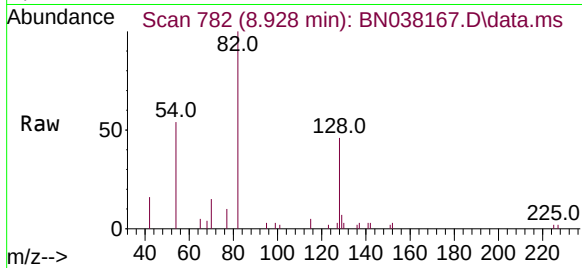




#8
Nitrobenzene-d5
Concen: 0.158 ng
RT: 8.928 min Scan# 782
Delta R.T. -0.000 min
Lab File: BN038167.D
Acq: 07 Nov 2025 23:31

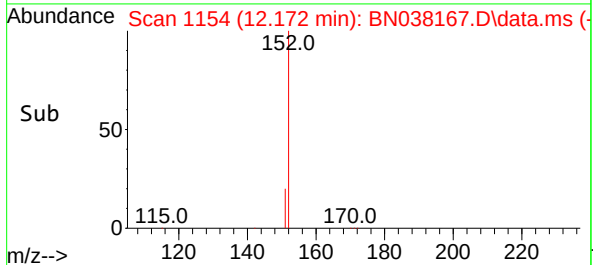
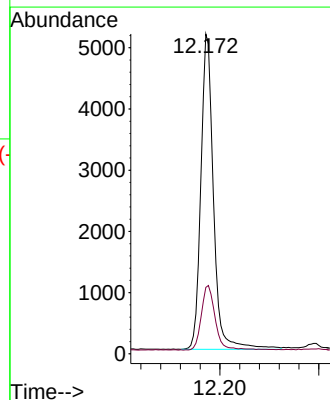
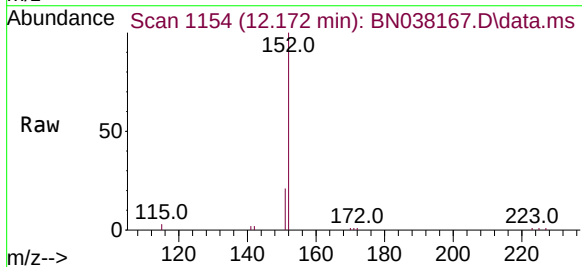
Instrument :
BNA_N
ClientSampleId :
FB-1

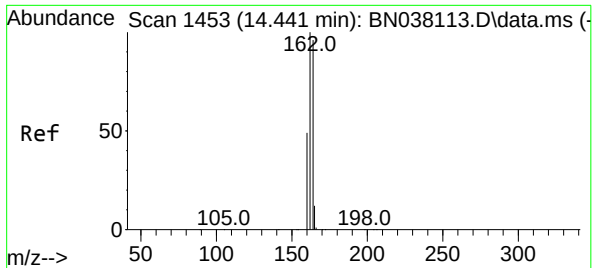
Tgt Ion:	82	Resp:	5752
Ion	Ratio	Lower	Upper
82	100		
128	45.5	34.1	51.1
54	53.7	43.5	65.3



#11
2-Methylnaphthalene-d10
Concen: 0.142 ng
RT: 12.172 min Scan# 1154
Delta R.T. -0.005 min
Lab File: BN038167.D
Acq: 07 Nov 2025 23:31

Tgt Ion:	152	Resp:	9148
Ion	Ratio	Lower	Upper
152	100		
151	22.6	16.8	25.2

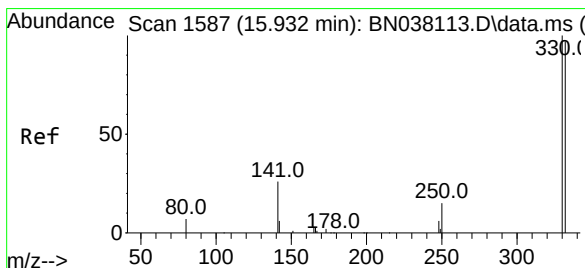
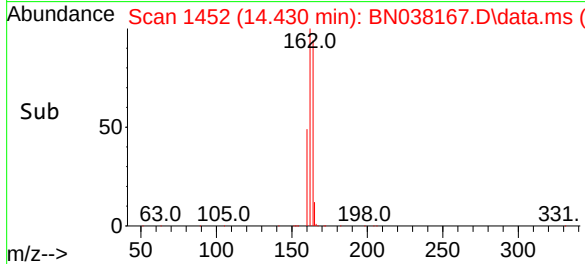
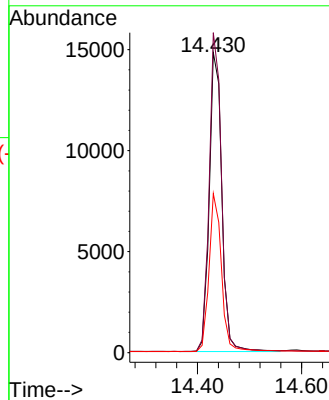
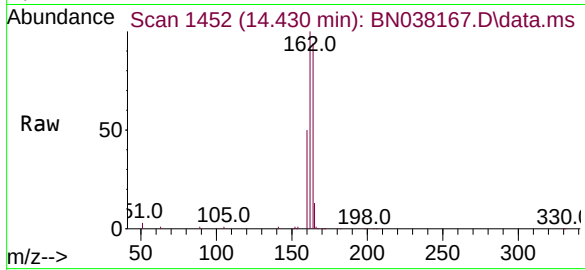




#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.430 min Scan# 1453
Delta R.T. -0.000 min
Lab File: BN038167.D
Acq: 07 Nov 2025 23:31

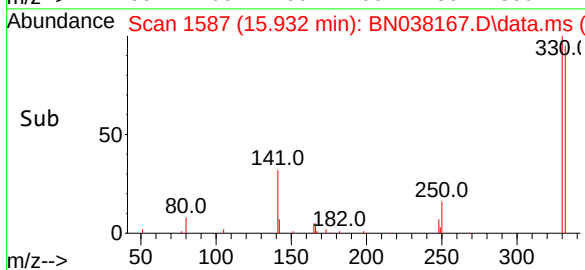
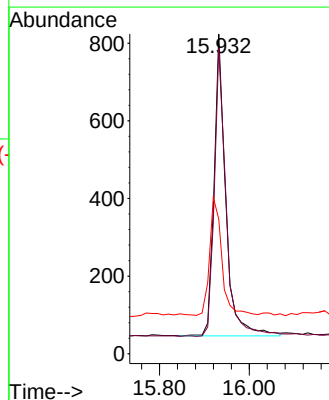
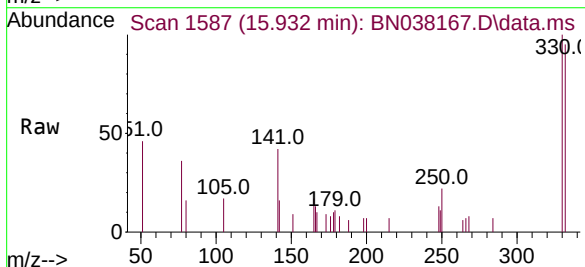
Instrument :
BNA_N
ClientSampleId :
FB-1

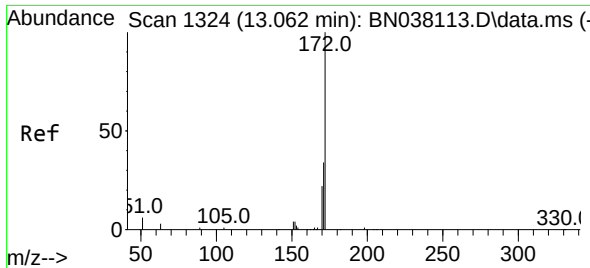
Tgt Ion:164 Resp: 24883
Ion Ratio Lower Upper
164 100
162 106.7 83.0 124.4
160 53.0 40.7 61.1



#14
2,4,6-Tribromophenol
Concen: 0.137 ng
RT: 15.932 min Scan# 1587
Delta R.T. -0.000 min
Lab File: BN038167.D
Acq: 07 Nov 2025 23:31

Tgt Ion:330 Resp: 1408
Ion Ratio Lower Upper
330 100
332 96.7 76.6 114.8
141 41.1 34.1 51.1

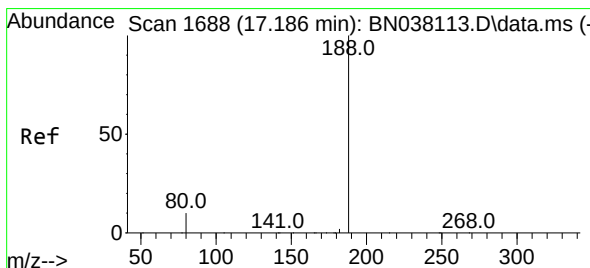
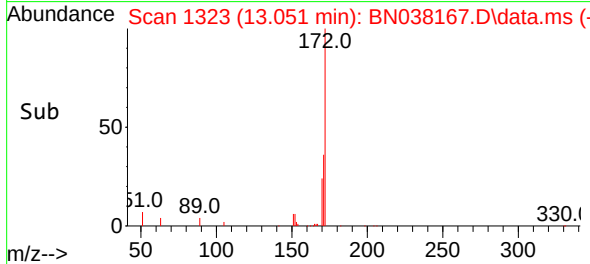
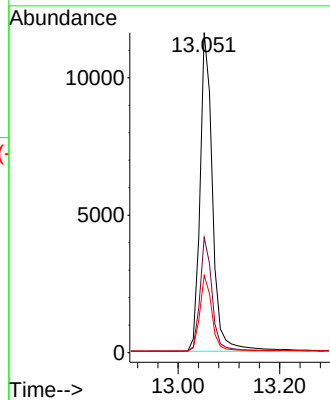
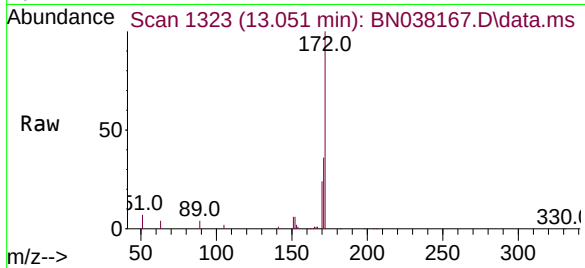




#15
2-Fluorobiphenyl
Concen: 0.195 ng
RT: 13.051 min Scan# 1324
Delta R.T. -0.000 min
Lab File: BN038167.D
Acq: 07 Nov 2025 23:31

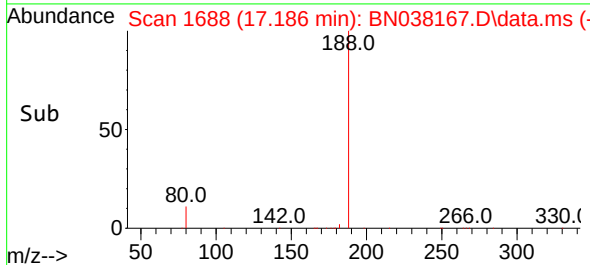
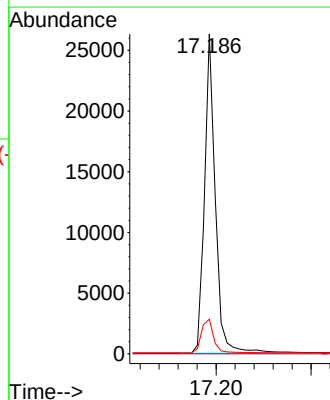
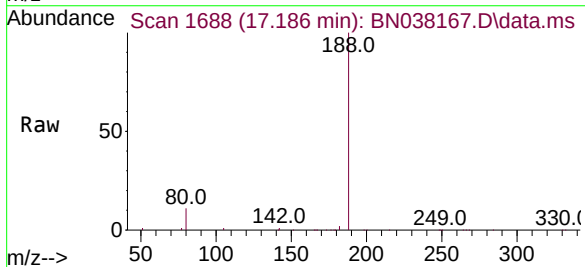
Instrument :
BNA_N
ClientSampleId :
FB-1

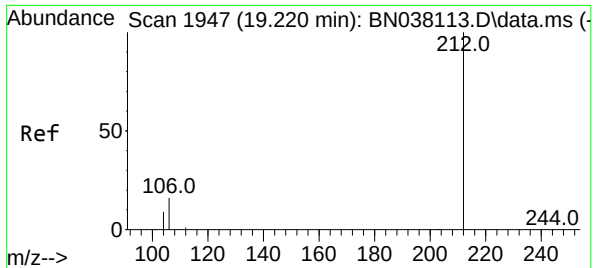
Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.0	27.8	41.6
170	24.1	18.1	27.1



#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.186 min Scan# 1688
Delta R.T. -0.000 min
Lab File: BN038167.D
Acq: 07 Nov 2025 23:31

Tgt Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	10.8	8.6	13.0

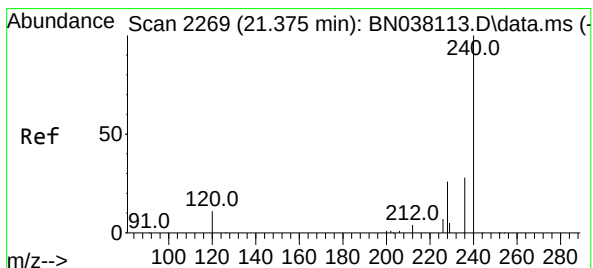
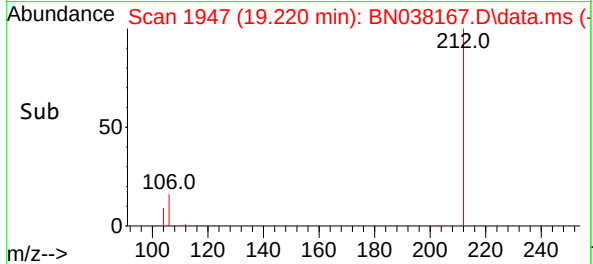
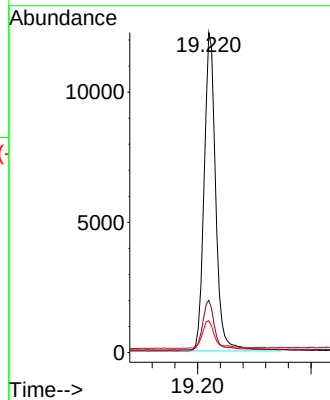
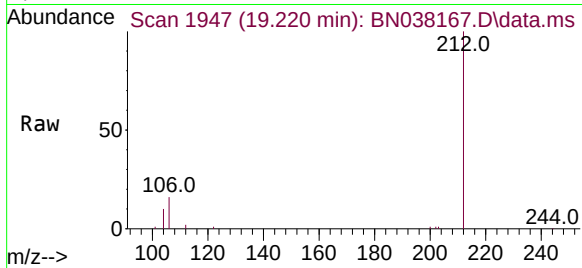




#27
Fluoranthene-d10
Concen: 0.166 ng
RT: 19.220 min Scan# 1947
Delta R.T. -0.000 min
Lab File: BN038167.D
Acq: 07 Nov 2025 23:31

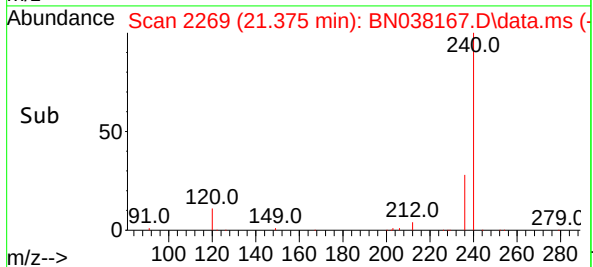
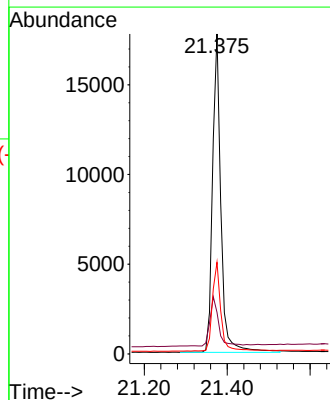
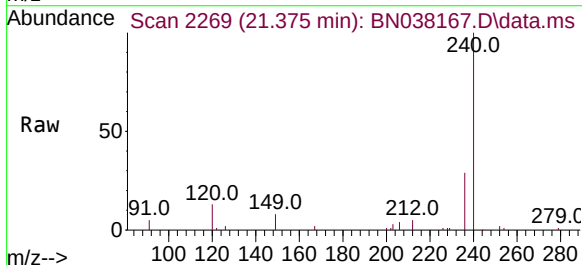
Instrument :
BNA_N
ClientSampleId :
FB-1

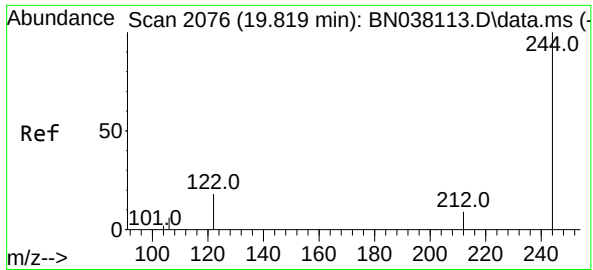
Tgt Ion	212	Resp:	17300
Ion Ratio	Lower	Upper	
212	100		
106	16.8	12.6	19.0
104	9.5	7.1	10.7



#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.375 min Scan# 2269
Delta R.T. -0.000 min
Lab File: BN038167.D
Acq: 07 Nov 2025 23:31

Tgt Ion	240	Resp:	24824
Ion Ratio	Lower	Upper	
240	100		
120	13.0	10.7	16.1
236	28.6	23.1	34.7

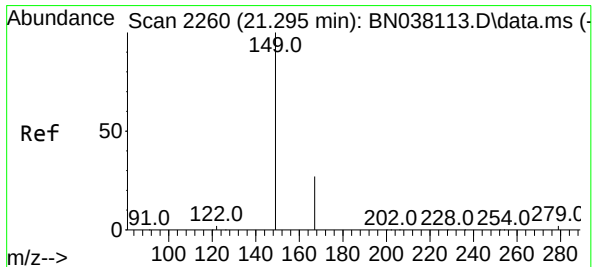
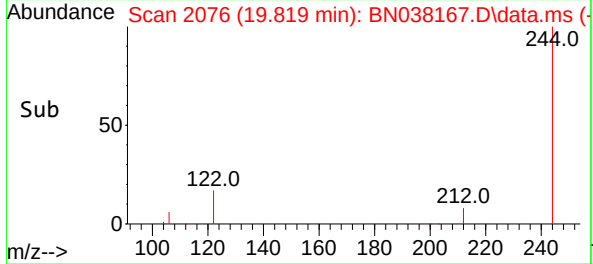
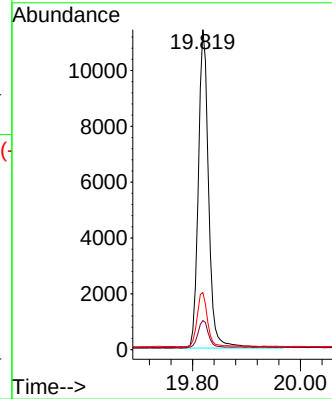
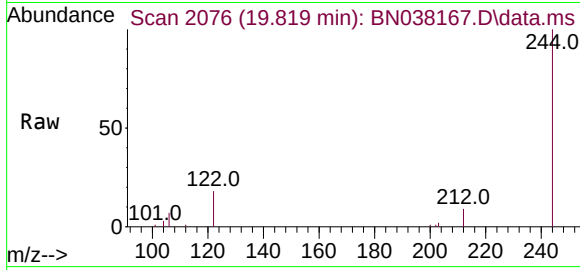




#31
Terphenyl-d14
Concen: 0.280 ng
RT: 19.819 min Scan# 2076
Delta R.T. -0.000 min
Lab File: BN038167.D
Acq: 07 Nov 2025 23:31

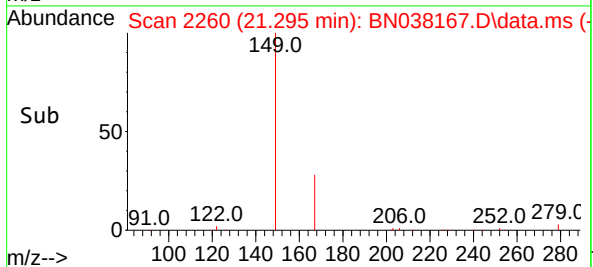
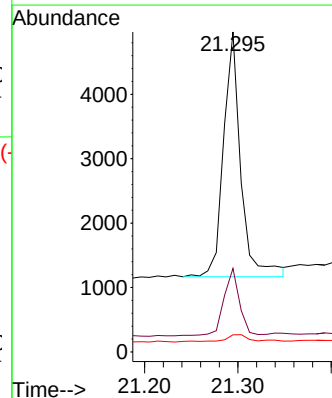
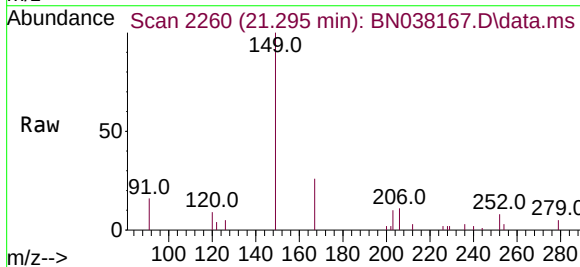
Instrument :
BNA_N
ClientSampleId :
FB-1

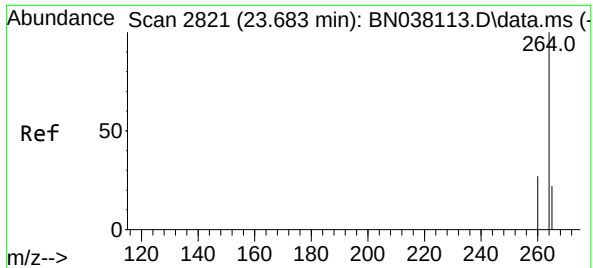
Tgt Ion	Ratio	Lower	Upper
244	100		
212	9.1	7.8	11.6
122	17.8	15.2	22.8



#34
Bis(2-ethylhexyl)phthalate
Concen: 0.105 ng
RT: 21.295 min Scan# 2260
Delta R.T. -0.000 min
Lab File: BN038167.D
Acq: 07 Nov 2025 23:31

Tgt Ion	Ratio	Lower	Upper
149	100		
167	24.2	21.1	31.7
279	3.8	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: BN038167.D

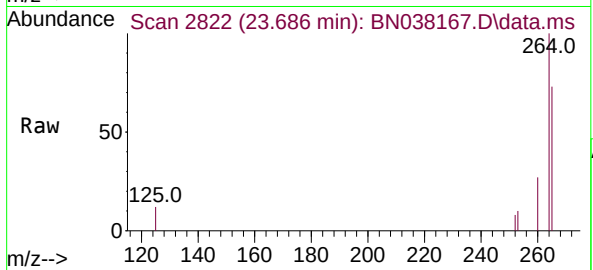
Acq: 07 Nov 2025 23:31

Instrument :

BNA_N

ClientSampleId :

FB-1



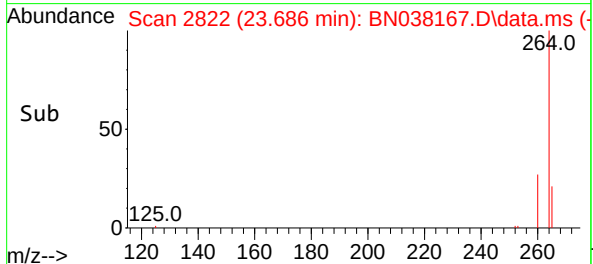
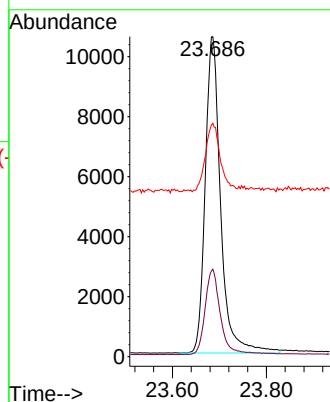
Tgt Ion:264 Resp: 24058

Ion	Ratio	Lower	Upper
-----	-------	-------	-------

264	100		
-----	-----	--	--

260	27.3	21.8	32.8
-----	------	------	------

265	72.9	68.6	102.8
-----	------	------	-------





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

Report of Analysis

Client:	Remington & Vernick Engineers		Date Collected:	11/04/25
Project:	Edison Landfill		Date Received:	11/04/25
Client Sample ID:	EB-1		SDG No.:	Q3534
Lab Sample ID:	Q3534-10		Matrix:	Water
Analytical Method:	SW8270ESIM	Level: LOW	% Solid:	0
Sample Wt/Vol:	500 mL	Final Vol: 500 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	11/08/25 00:07	PB170427
SURROGATES									
7297-45-2	2-Methylnaphthalene-d10	0.14			30 (20) - 150 (139)	69%	SPK: 0.2		
93951-69-0	Fluoranthene-d10	0.15			30 (54) - 150 (157)	76%	SPK: 0.2		
4165-60-0	Nitrobenzene-d5	0.15			30 (27) - 130 (154)	75%	SPK: 0.2		
321-60-8	2-Fluorobiphenyl	0.17			30 (30) - 130 (155)	87%	SPK: 0.2		
1718-51-0	Terphenyl-d14	0.28	*		30 (54) - 130 (175)	142%	SPK: 0.2		
INTERNAL STANDARDS									
		Area Count							
3855-82-1	1,4-Dichlorobenzene-d4	7470							
1146-65-2	Naphthalene-d8	23000							
15067-26-2	Acenaphthene-d10	12700							
1517-22-2	Phenanthrene-d10	20500							
1719-03-5	Chrysene-d12	12500							
1520-96-3	Perylene-d12	12600							

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

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN110725\
 Data File : BN038168.D
 Acq On : 08 Nov 2025 00:07
 Operator : RC/JU
 Sample : Q3534-10
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 EB-1

Manual Integrations
 APPROVED

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

Quant Time: Nov 08 03:28:30 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	7465	0.400	ng	0.00
7) Naphthalene-d8	10.573	136	23044	0.400	ng	# 0.00
13) Acenaphthene-d10	14.430	164	12718	0.400	ng	0.00
19) Phenanthrene-d10	17.185	188	20516	0.400	ng	0.00
29) Chrysene-d12	21.375	240	12475	0.400	ng	# 0.00
35) Perylene-d12	23.683	264	12586	0.400	ng	# 0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.348	112	3252	0.185	ng	0.00
5) Phenol-d6	6.944	99	2594	0.121	ng	0.00
8) Nitrobenzene-d5	8.928	82	5623	0.302	ng	0.00
11) 2-Methylnaphthalene-d10	12.176	152	9042	0.275	ng	0.00
14) 2,4,6-Tribromophenol	15.932	330	1284	0.245	ng	0.00
15) 2-Fluorobiphenyl	13.051	172	17785	0.349	ng	0.00
27) Fluoranthene-d10	19.224	212	15695	0.303	ng	0.00
31) Terphenyl-d14	19.819	244	15454	0.570	ng	0.00
Target Compounds						Qvalue
9) Naphthalene	10.626	128	6391	0.101	ng	97
12) 2-Methylnaphthalene	12.247	142	1632	0.039	ng	# 95
18) Fluorene	15.488	166	1417	0.027	ng	96
21) 4-Bromophenyl-phenylether	16.379	248	378	0.028	ng	# 82
22) Hexachlorobenzene	16.503	284	489	0.032	ng	# 90
25) Phenanthrene	17.223	178	2200m	0.034	ng	
26) Anthracene	17.322	178	1391	0.024	ng	98
28) Fluoranthene	19.252	202	1600	0.022	ng	96
30) Pyrene	19.615	202	1451	0.026	ng	97
32) Benzo(a)anthracene	21.357	228	1048	0.024	ng	# 85
33) Chrysene	21.411	228	1315	0.027	ng	# 88
34) Bis(2-ethylhexyl)phtha...	21.294	149	3395	0.145	ng	# 97
36) Indeno(1,2,3-cd)pyrene	26.042	276	1621	0.031	ng	# 80
37) Benzo(b)fluoranthene	22.987	252	1407	0.026	ng	# 1
38) Benzo(k)fluoranthene	23.034	252	1294	0.024	ng	# 1
40) Dibenzo(a,h)anthracene	26.057	278	1028	0.026	ng	# 1
41) Benzo(g,h,i)perylene	26.758	276	1300	0.029	ng	# 44

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

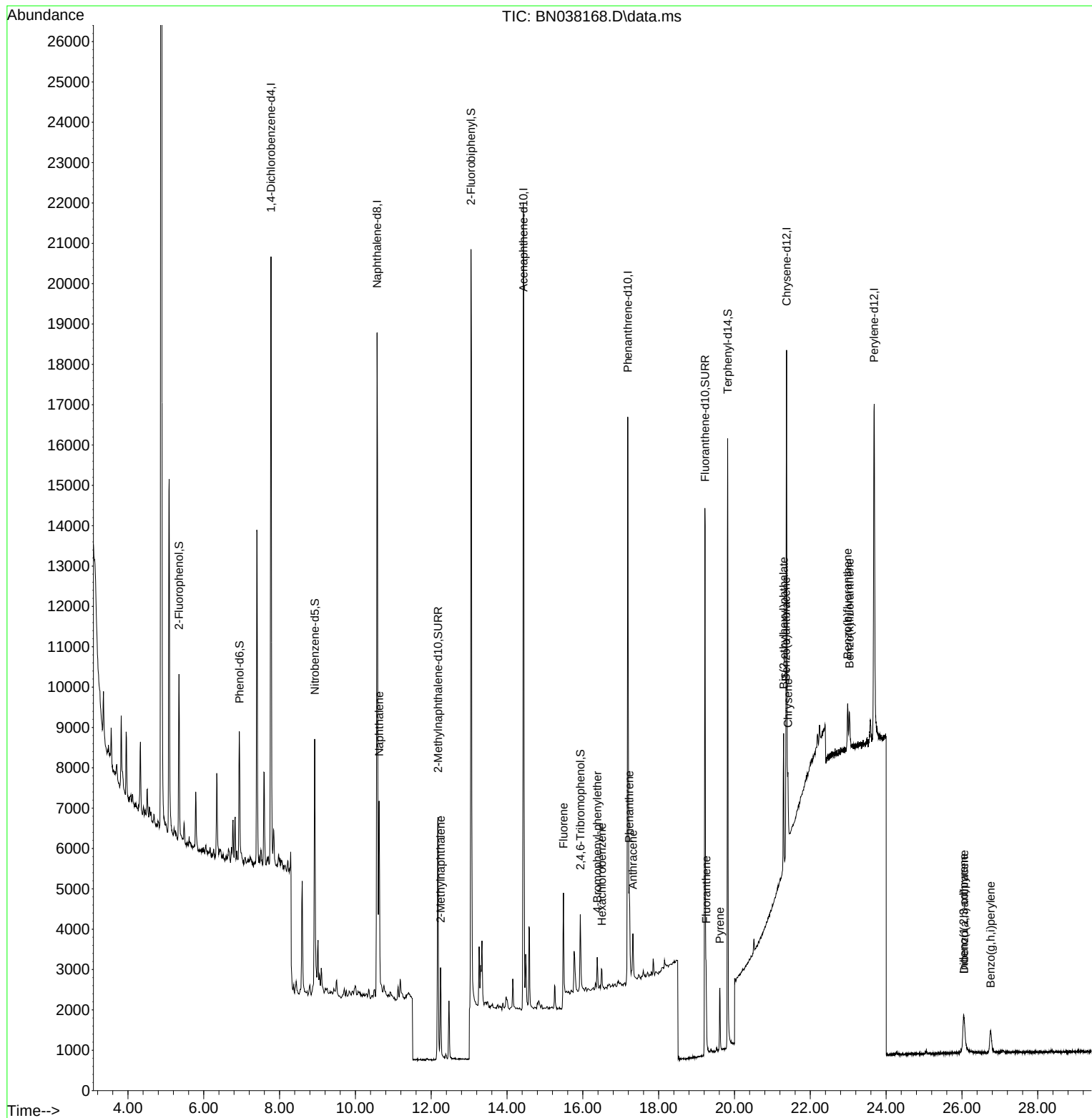
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN110725\
Data File : BN038168.D
Acq On : 08 Nov 2025 00:07
Operator : RC/JU
Sample : Q3534-10
Misc :
ALS Vial : 21 Sample Multiplier: 1

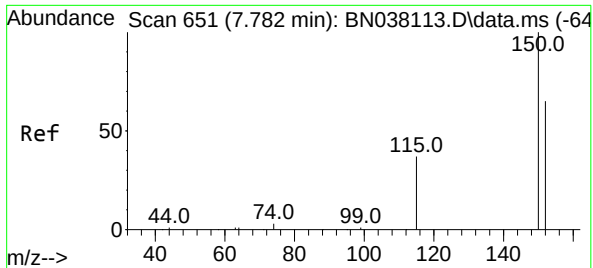
Instrument :
BNA_N
ClientSampleId :
EB-1

Manual Integrations
APPROVED

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

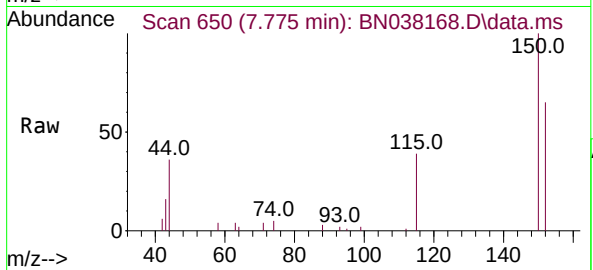
Quant Time: Nov 08 03:28:30 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN102825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Oct 29 13:09:46 2025
Response via : Initial Calibration





#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.775 min Scan# 61
Delta R.T. -0.000 min
Lab File: BN038168.D
Acq: 08 Nov 2025 00:07

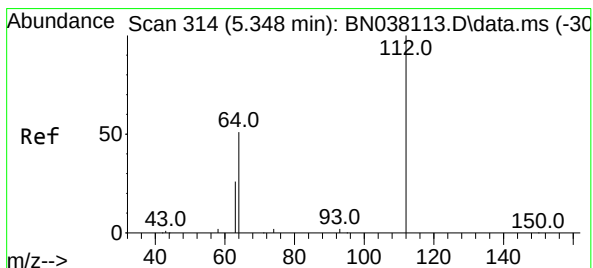
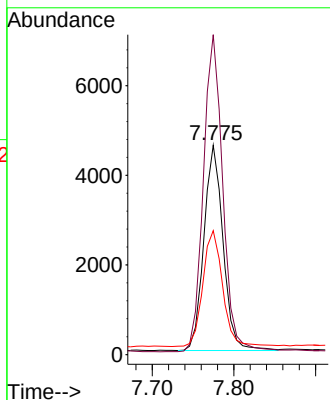
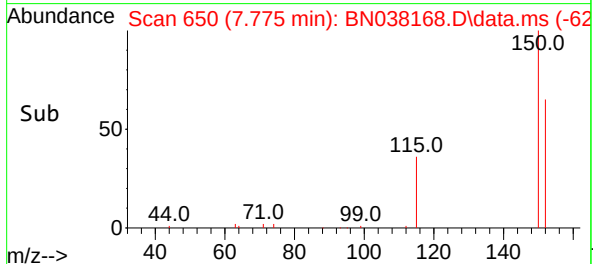
Instrument :
BNA_N
ClientSampleId :
EB-1



Tgt Ion:152 Resp: 7465
Ion Ratio Lower Upper
152 100
150 152.9 122.3 183.5
115 59.2 47.4 71.0

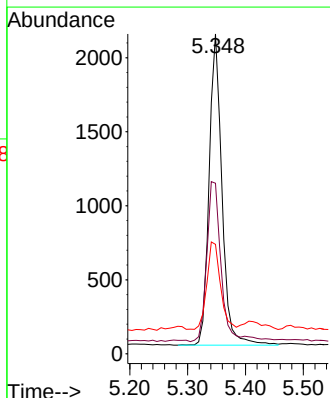
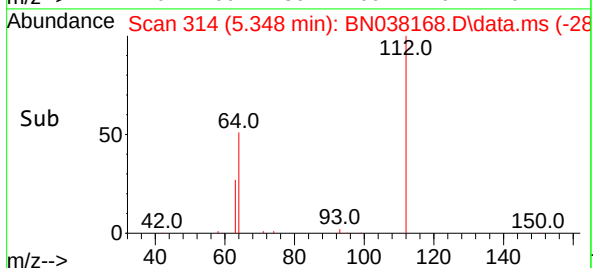
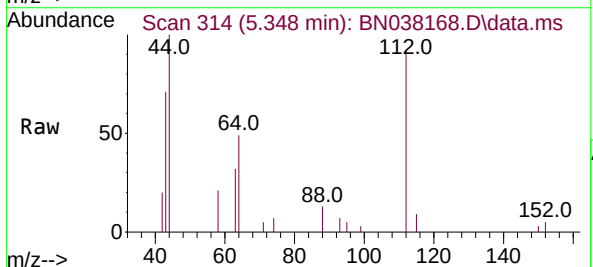
Manual Integrations
APPROVED

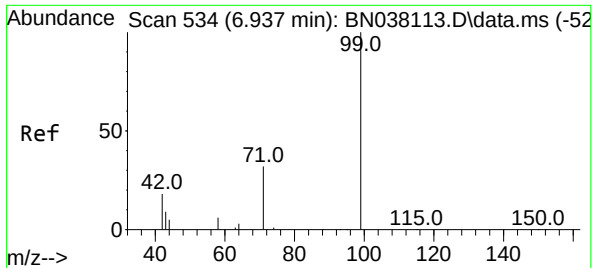
Reviewed By :Rahul Chavli 11/10/2025
Supervised By :Jagrut Upadhyay 11/10/2025



#4
2-Fluorophenol
Concen: 0.185 ng
RT: 5.348 min Scan# 314
Delta R.T. -0.000 min
Lab File: BN038168.D
Acq: 08 Nov 2025 00:07

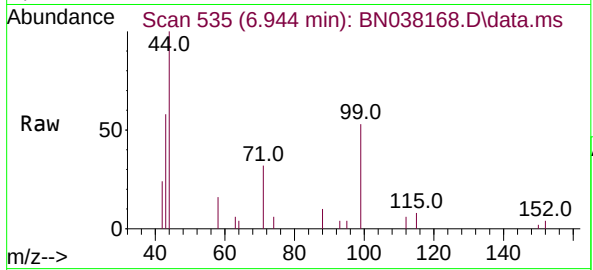
Tgt Ion:112 Resp: 3252
Ion Ratio Lower Upper
112 100
64 59.1 45.4 68.0
63 29.9 23.2 34.8





#5
Phenol-d6
Concen: 0.121 ng
RT: 6.944 min Scan# 534
Delta R.T. 0.007 min
Lab File: BN038168.D
Acq: 08 Nov 2025 00:07

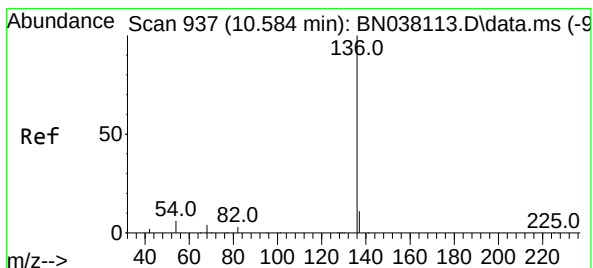
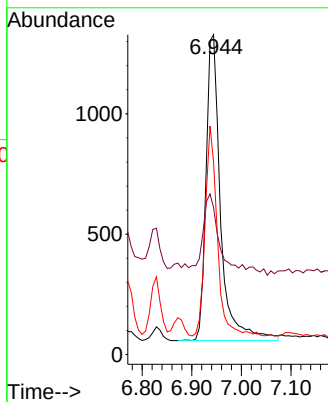
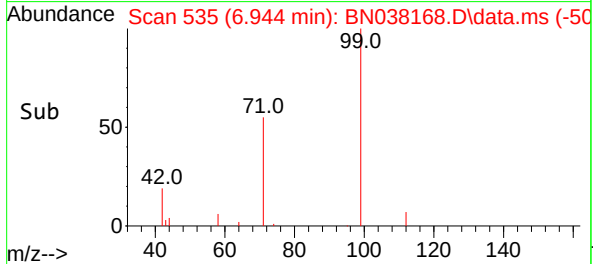
Instrument :
BNA_N
ClientSampleId :
EB-1



Tgt Ion: 99 Resp: 2594
Ion Ratio Lower Upper
99 100
42 32.8 16.6 24.8#
71 57.4 25.4 38.2#

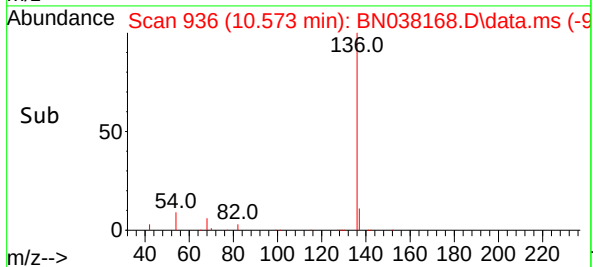
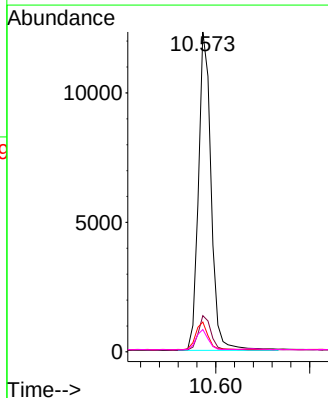
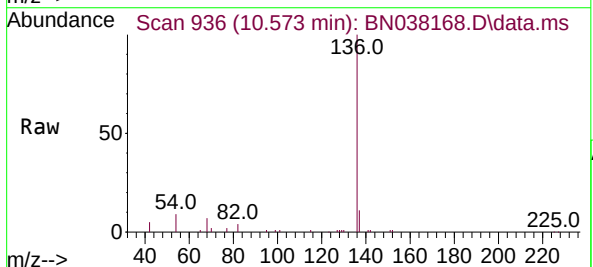
Manual Integrations
APPROVED

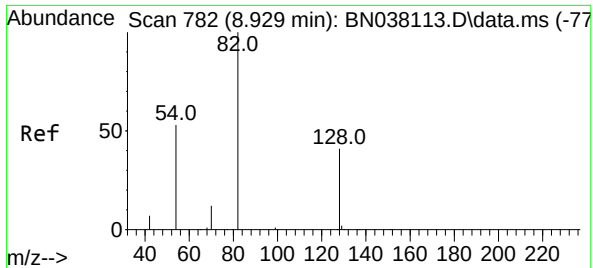
Reviewed By :Rahul Chavli 11/10/2025
Supervised By :Jagrut Upadhyay 11/10/2025



#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.573 min Scan# 936
Delta R.T. -0.000 min
Lab File: BN038168.D
Acq: 08 Nov 2025 00:07

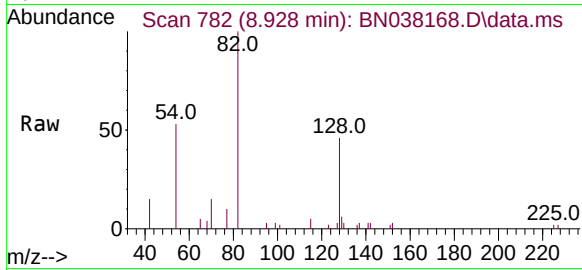
Tgt Ion:136 Resp: 23044
Ion Ratio Lower Upper
136 100
137 11.3 9.0 13.4
54 9.3 5.2 7.8#
68 7.0 4.1 6.1#





#8
Nitrobenzene-d5
Concen: 0.302 ng
RT: 8.928 min Scan# 782
Delta R.T. -0.000 min
Lab File: BN038168.D
Acq: 08 Nov 2025 00:07

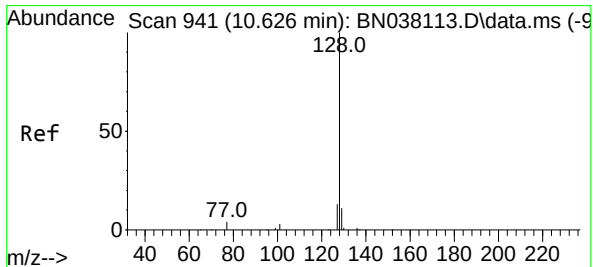
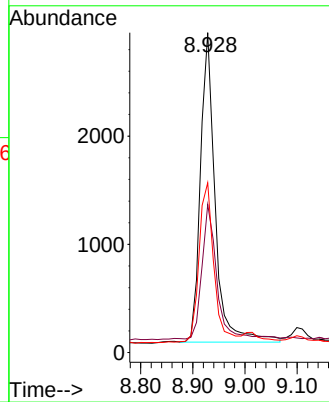
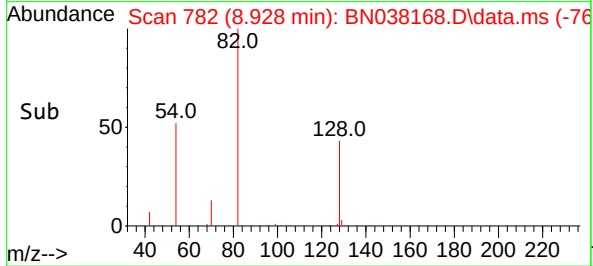
Instrument :
BNA_N
ClientSampleId :
EB-1



Tgt Ion: 82 Resp: 5623
Ion Ratio Lower Upper
82 100
128 46.3 34.1 51.1
54 53.1 43.5 65.3

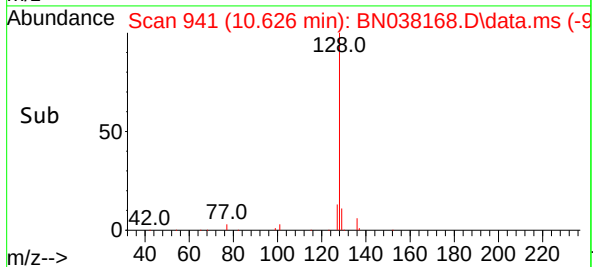
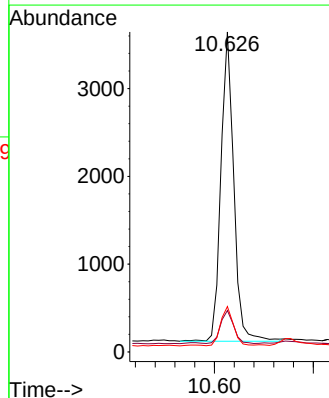
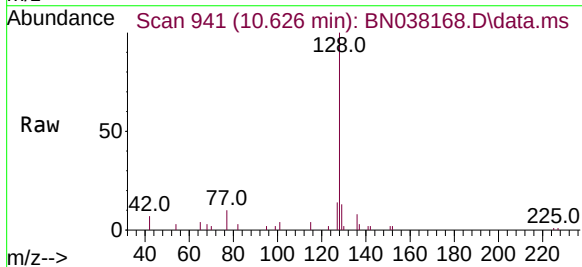
Manual Integrations
APPROVED

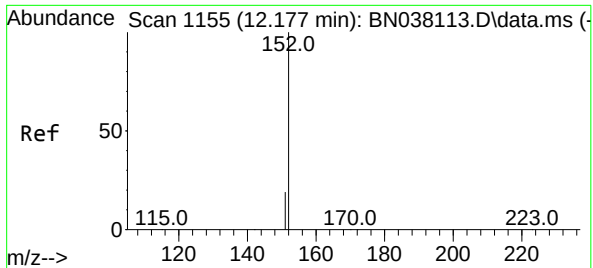
Reviewed By :Rahul Chavli 11/10/2025
Supervised By :Jagrut Upadhyay 11/10/2025



#9
Naphthalene
Concen: 0.101 ng
RT: 10.626 min Scan# 941
Delta R.T. -0.000 min
Lab File: BN038168.D
Acq: 08 Nov 2025 00:07

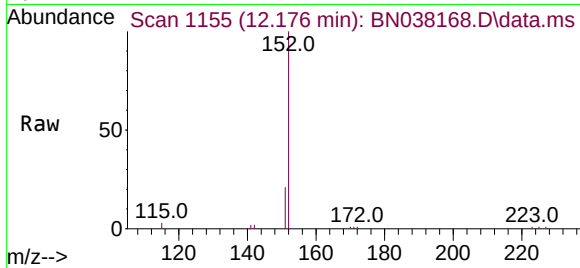
Tgt Ion:128 Resp: 6391
Ion Ratio Lower Upper
128 100
129 12.9 9.1 13.7
127 14.2 10.5 15.7





#11
2-Methylnaphthalene-d10
Concen: 0.275 ng
RT: 12.176 min Scan# 1155
Delta R.T. -0.000 min
Lab File: BN038168.D
Acq: 08 Nov 2025 00:07

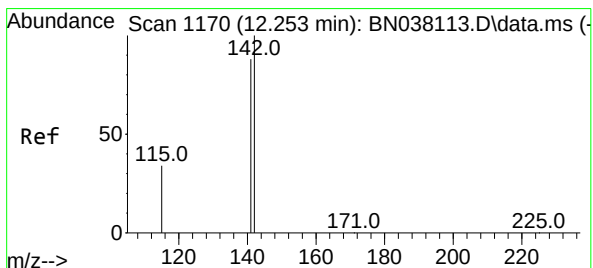
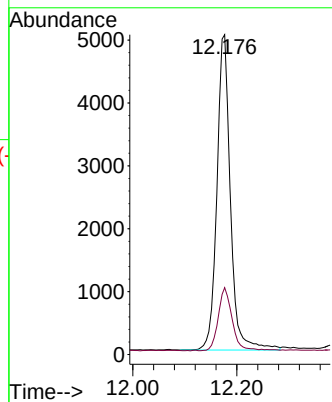
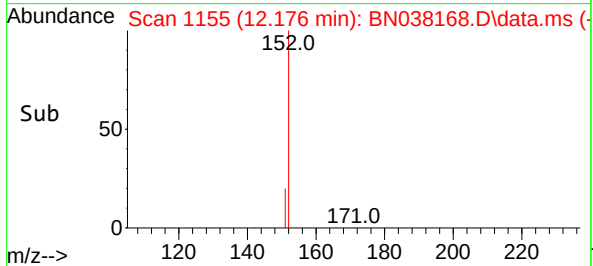
Instrument :
BNA_N
ClientSampleId :
EB-1



Tgt Ion:152 Resp: 9042
Ion Ratio Lower Upper
152 100
151 20.2 16.8 25.2

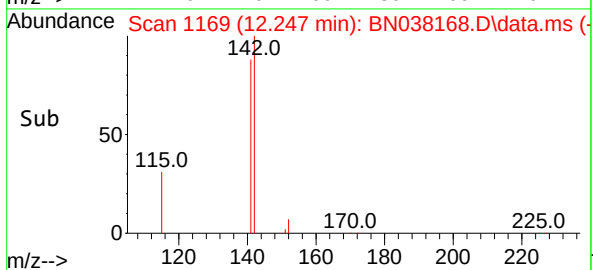
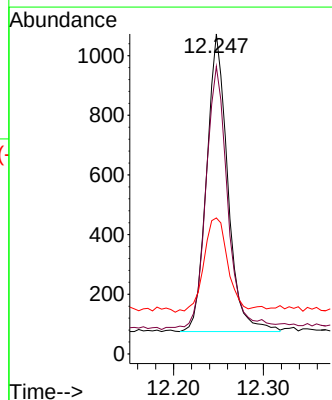
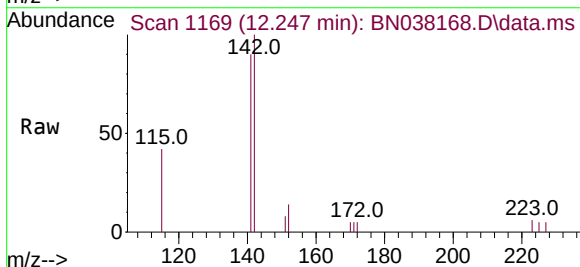
Manual Integrations
APPROVED

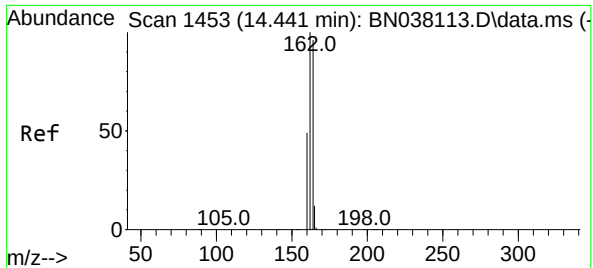
Reviewed By :Rahul Chavli 11/10/2025
Supervised By :Jagrut Upadhyay 11/10/2025



#12
2-Methylnaphthalene
Concen: 0.039 ng
RT: 12.247 min Scan# 1169
Delta R.T. -0.000 min
Lab File: BN038168.D
Acq: 08 Nov 2025 00:07

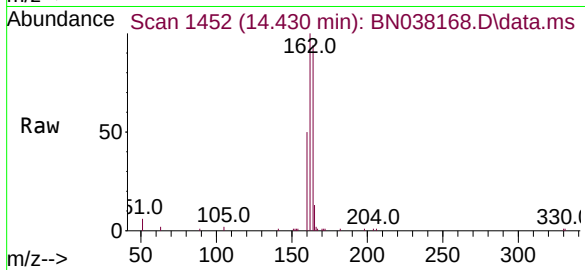
Tgt Ion:142 Resp: 1632
Ion Ratio Lower Upper
142 100
141 89.8 70.3 105.5
115 42.5 27.8 41.6#





#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.430 min Scan# 1453
Delta R.T. -0.000 min
Lab File: BN038168.D
Acq: 08 Nov 2025 00:07

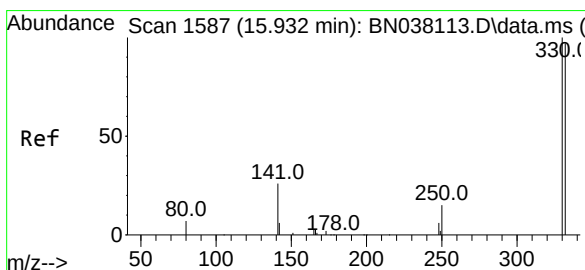
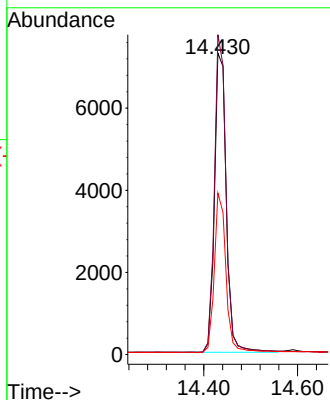
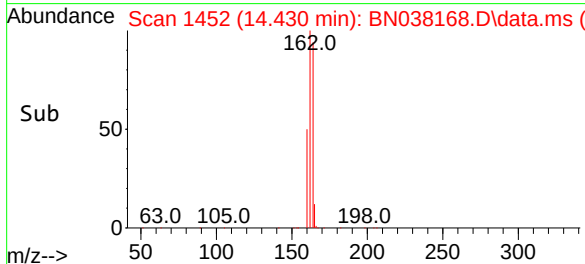
Instrument :
BNA_N
ClientSampleId :
EB-1



Tgt Ion:164 Resp: 12718
Ion Ratio Lower Upper
164 100
162 106.1 83.0 124.4
160 53.5 40.7 61.1

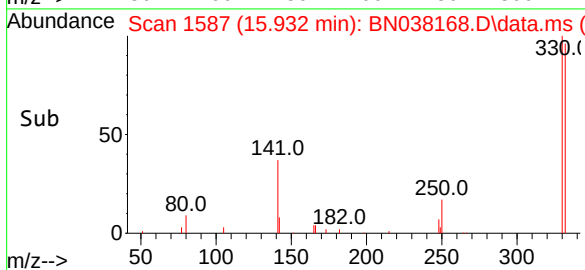
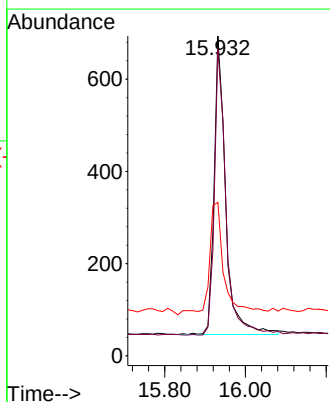
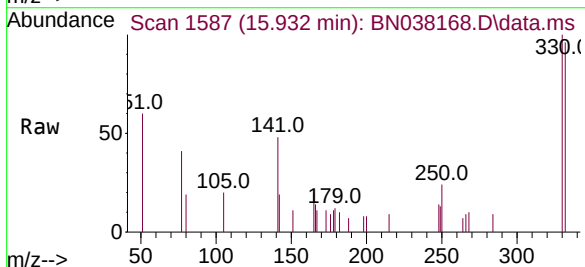
Manual Integrations
APPROVED

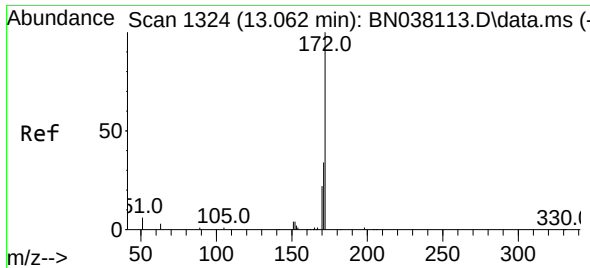
Reviewed By :Rahul Chavli 11/10/2025
Supervised By :Jagrut Upadhyay 11/10/2025



#14
2,4,6-Tribromophenol
Concen: 0.245 ng
RT: 15.932 min Scan# 1587
Delta R.T. -0.000 min
Lab File: BN038168.D
Acq: 08 Nov 2025 00:07

Tgt Ion:330 Resp: 1284
Ion Ratio Lower Upper
330 100
332 95.3 76.6 114.8
141 43.5 34.1 51.1





#15

2-Fluorobiphenyl

Concen: 0.349 ng

RT: 13.051 min Scan# 1324

Delta R.T. -0.000 min

Lab File: BN038168.D

Acq: 08 Nov 2025 00:07

Instrument :

BNA_N

ClientSampleId :

EB-1

Tgt Ion:172 Resp: 1778

Ion Ratio Lower Upper

172 100

171 36.4 27.8 41.6

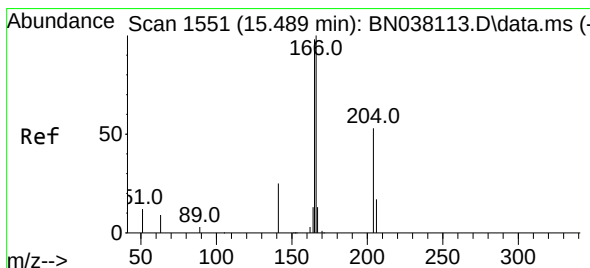
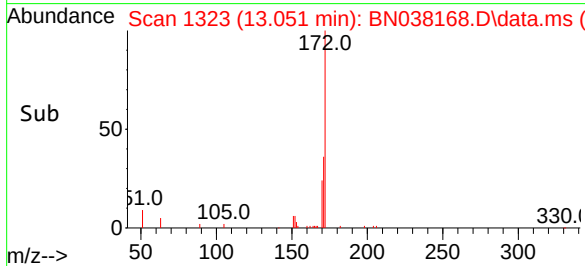
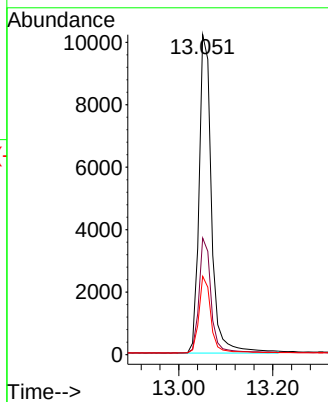
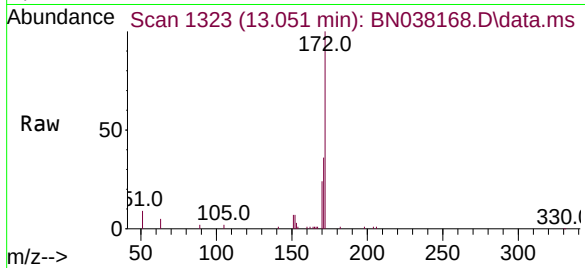
170 24.5 18.1 27.1

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 11/10/2025

Supervised By :Jagrut Upadhyay 11/10/2025



#18

Fluorene

Concen: 0.027 ng

RT: 15.488 min Scan# 1551

Delta R.T. -0.001 min

Lab File: BN038168.D

Acq: 08 Nov 2025 00:07

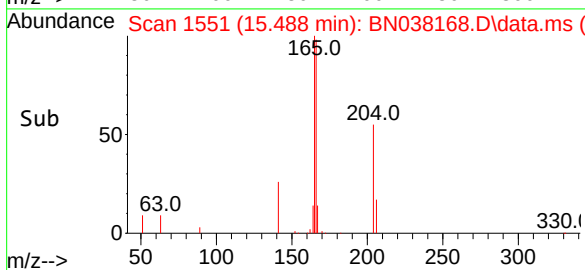
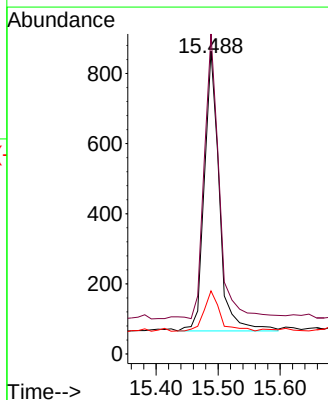
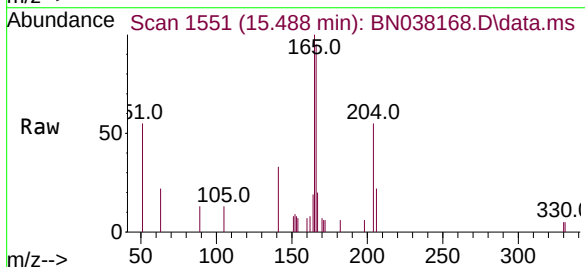
Tgt Ion:166 Resp: 1417

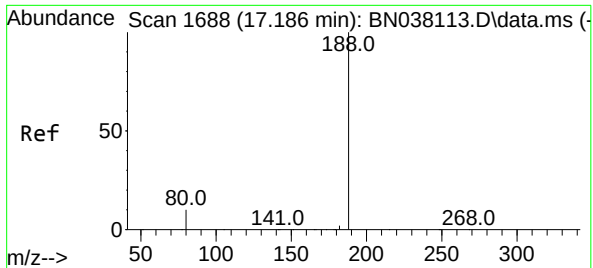
Ion Ratio Lower Upper

166 100

165 102.9 79.0 118.4

167 14.6 10.7 16.1





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 17.185 min Scan# 1688

Delta R.T. -0.000 min

Lab File: BN038168.D

Acq: 08 Nov 2025 00:07

Instrument :

BNA_N

ClientSampleId :

EB-1

Tgt Ion:188 Resp: 20516

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

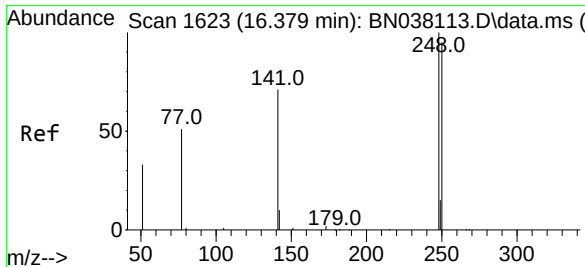
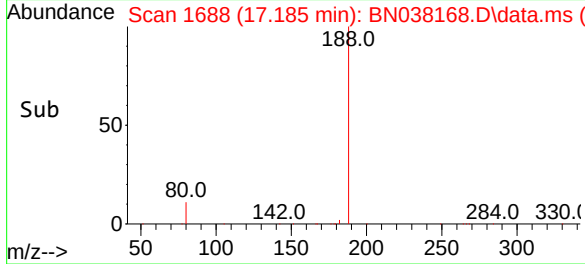
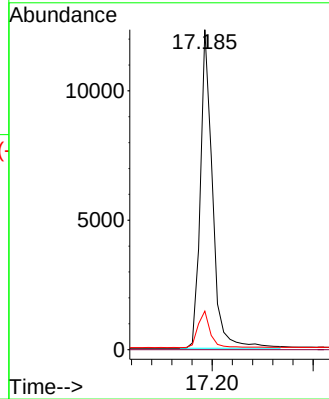
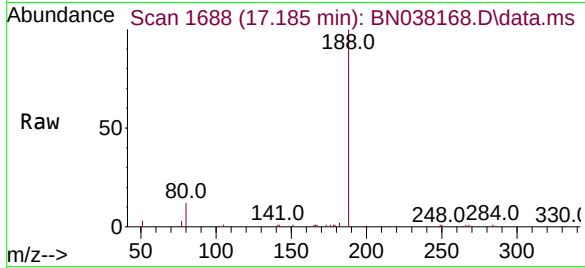
80 12.0 8.6 13.0

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 11/10/2025

Supervised By :Jagrut Upadhyay 11/10/2025



#21

4-Bromophenyl-phenylether

Concen: 0.028 ng

RT: 16.379 min Scan# 1623

Delta R.T. -0.000 min

Lab File: BN038168.D

Acq: 08 Nov 2025 00:07

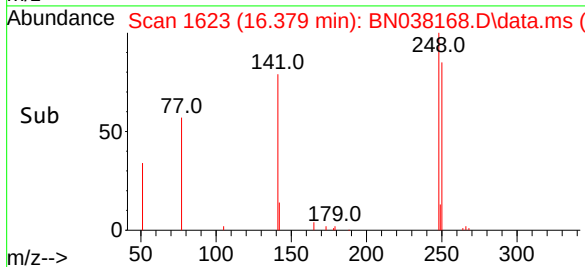
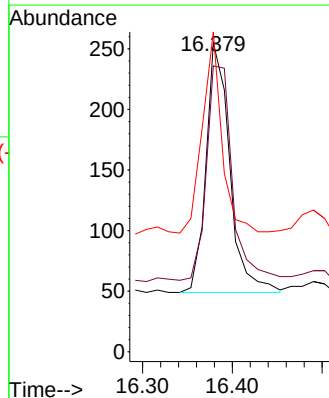
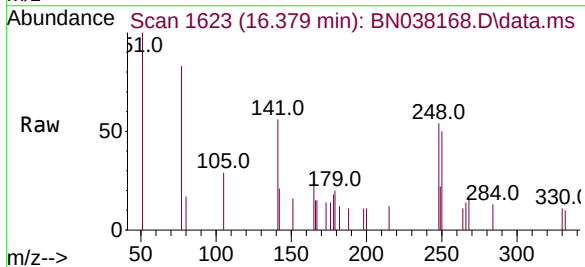
Tgt Ion:248 Resp: 378

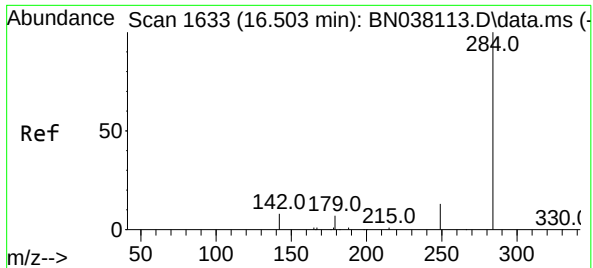
Ion Ratio Lower Upper

248 100

250 92.5 76.2 114.2

141 103.5 57.6 86.4#





#22

Hexachlorobenzene

Concen: 0.032 ng

RT: 16.503 min Scan# 1633

Delta R.T. -0.000 min

Lab File: BN038168.D

Acq: 08 Nov 2025 00:07

Instrument :

BNA_N

ClientSampleId :

EB-1

Tgt Ion:284 Resp: 489

Ion Ratio Lower Upper

284 100

142 40.5 30.5 45.7

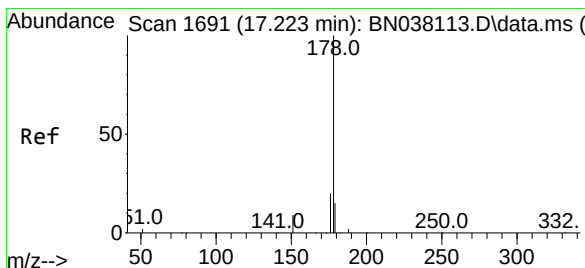
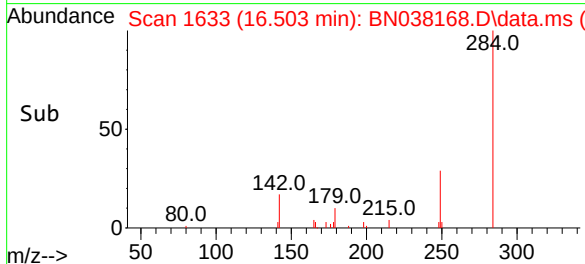
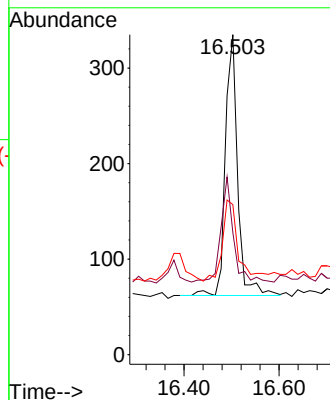
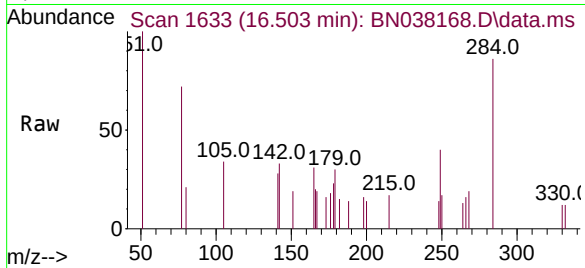
249 38.9 23.5 35.3

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 11/10/2025

Supervised By :Jagrut Upadhyay 11/10/2025



#25

Phenanthrene

Concen: 0.034 ng m

RT: 17.223 min Scan# 1691

Delta R.T. -0.000 min

Lab File: BN038168.D

Acq: 08 Nov 2025 00:07

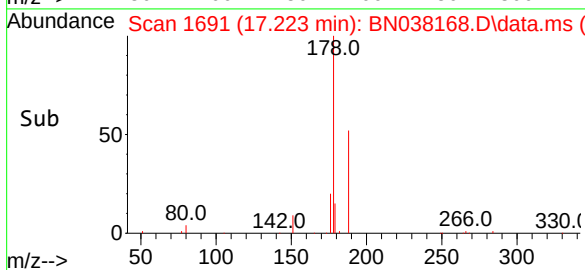
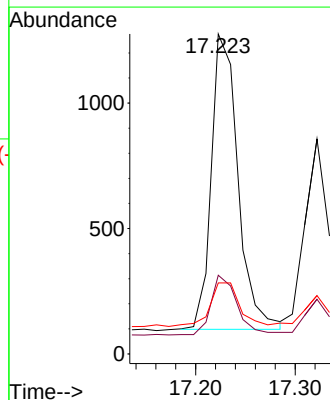
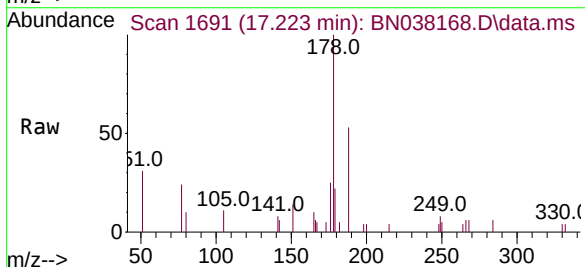
Tgt Ion:178 Resp: 2200

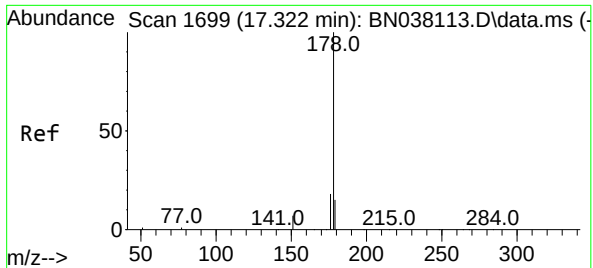
Ion Ratio Lower Upper

178 100

176 9.8 15.5 23.3#

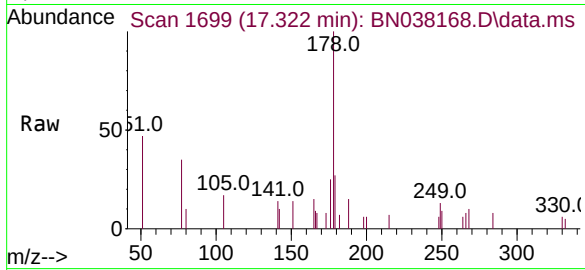
179 9.0 12.2 18.4#





#26
 Anthracene
 Concen: 0.024 ng
 RT: 17.322 min Scan# 1699
 Delta R.T. -0.000 min
 Lab File: BN038168.D
 Acq: 08 Nov 2025 00:07

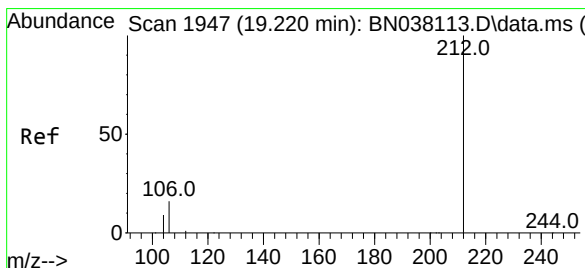
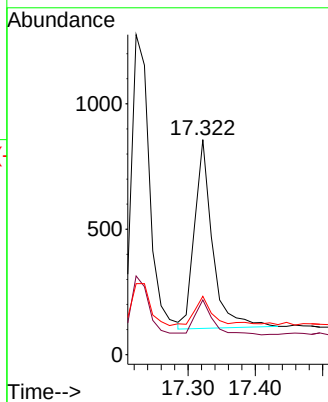
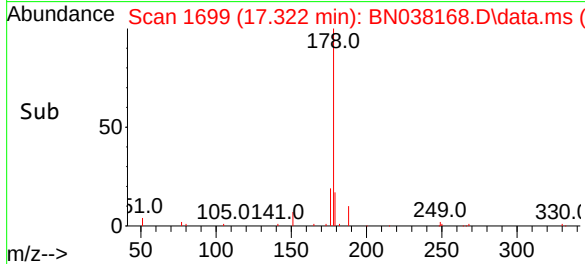
Instrument :
 BNA_N
 ClientSampleId :
 EB-1



Tgt Ion:178 Resp: 1391
 Ion Ratio Lower Upper
 178 100
 176 18.4 14.9 22.3
 179 16.3 11.8 17.8

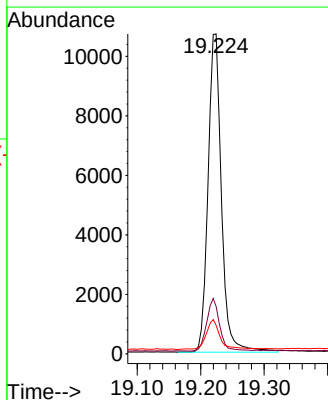
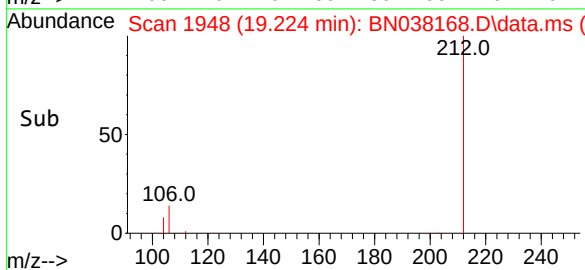
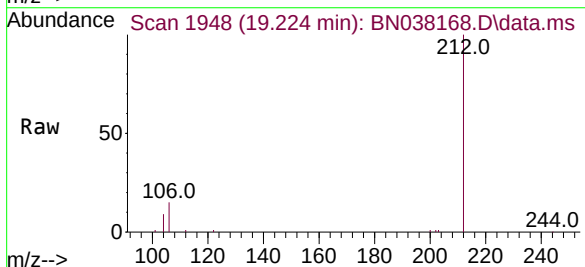
Manual Integrations
 APPROVED

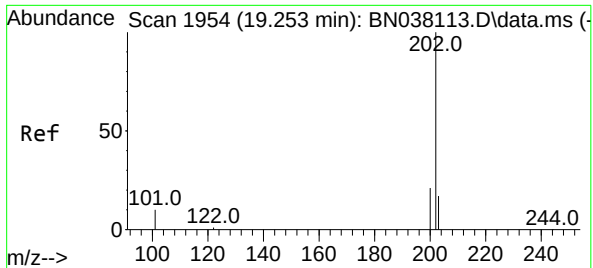
Reviewed By :Rahul Chavli 11/10/2025
 Supervised By :Jagrut Upadhyay 11/10/2025



#27
 Fluoranthene-d10
 Concen: 0.303 ng
 RT: 19.224 min Scan# 1948
 Delta R.T. 0.004 min
 Lab File: BN038168.D
 Acq: 08 Nov 2025 00:07

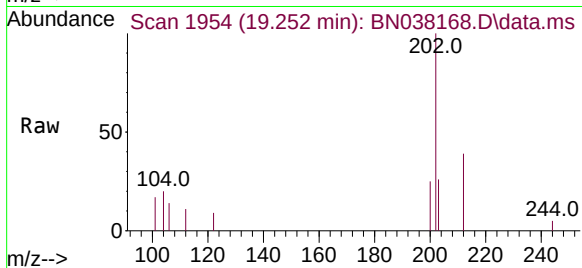
Tgt Ion:212 Resp: 15695
 Ion Ratio Lower Upper
 212 100
 106 15.9 12.6 19.0
 104 9.0 7.1 10.7





#28
Fluoranthene
Concen: 0.022 ng
RT: 19.252 min Scan# 1954
Delta R.T. -0.000 min
Lab File: BN038168.D
Acq: 08 Nov 2025 00:07

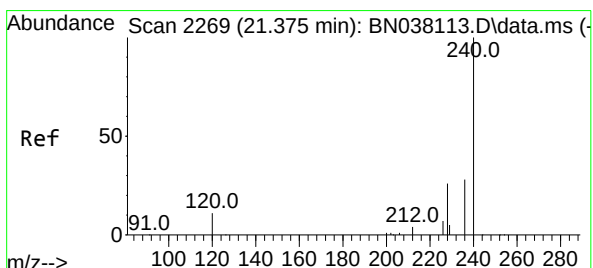
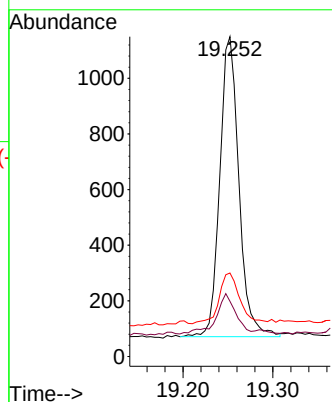
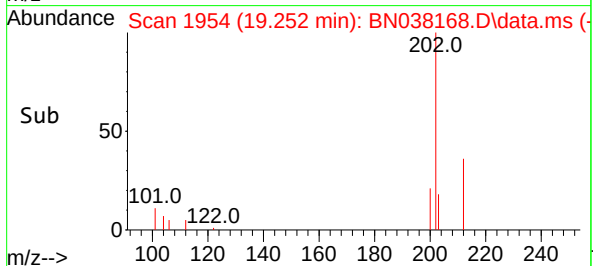
Instrument :
BNA_N
ClientSampleId :
EB-1



Tgt Ion:202 Resp: 1600
Ion Ratio Lower Upper
202 100
101 13.6 9.4 14.2
203 18.7 13.4 20.2

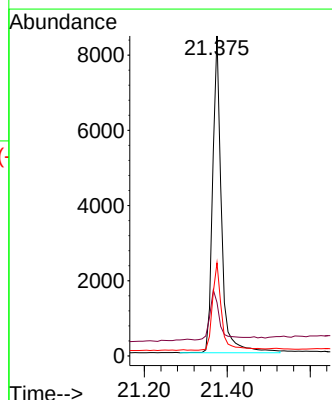
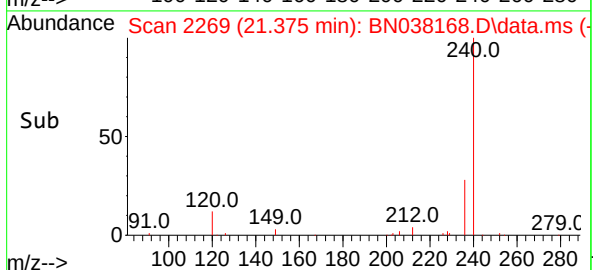
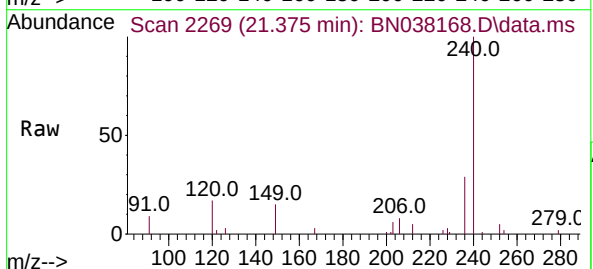
Manual Integrations
APPROVED

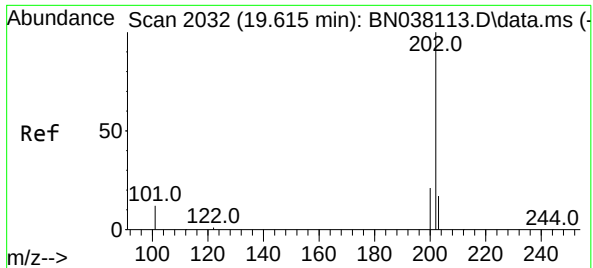
Reviewed By :Rahul Chavli 11/10/2025
Supervised By :Jagrut Upadhyay 11/10/2025



#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.375 min Scan# 2269
Delta R.T. -0.000 min
Lab File: BN038168.D
Acq: 08 Nov 2025 00:07

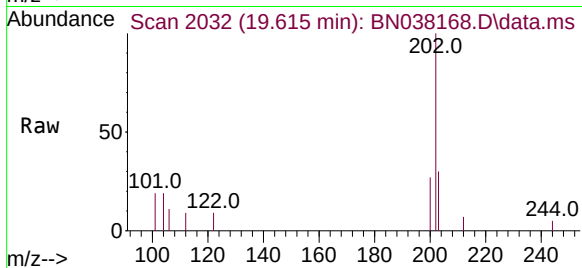
Tgt Ion:240 Resp: 12475
Ion Ratio Lower Upper
240 100
120 16.7 10.7 16.1#
236 29.1 23.1 34.7





#30
Pyrene
Concen: 0.026 ng
RT: 19.615 min Scan# 2032
Delta R.T. 0.004 min
Lab File: BN038168.D
Acq: 08 Nov 2025 00:07

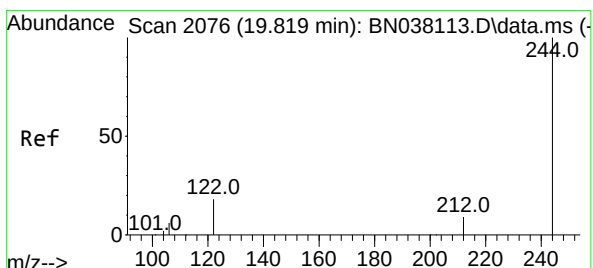
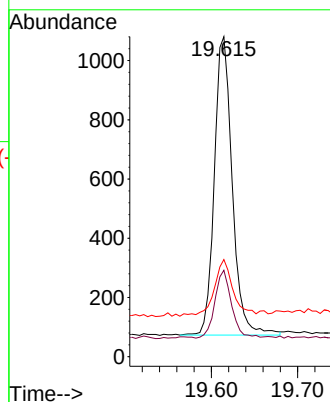
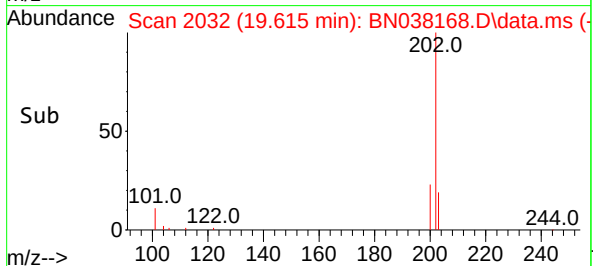
Instrument :
BNA_N
ClientSampleId :
EB-1



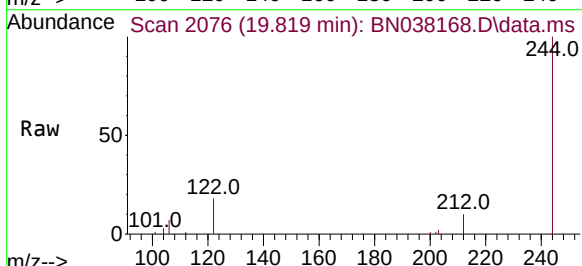
Tgt Ion:202 Resp: 145
Ion Ratio Lower Upper
202 100
200 21.1 16.7 25.1
203 20.3 14.2 21.2

Manual Integrations
APPROVED

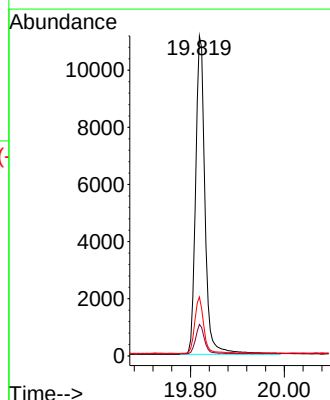
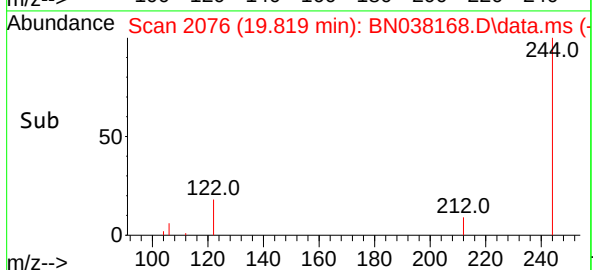
Reviewed By :Rahul Chavli 11/10/2025
Supervised By :Jagrut Upadhyay 11/10/2025

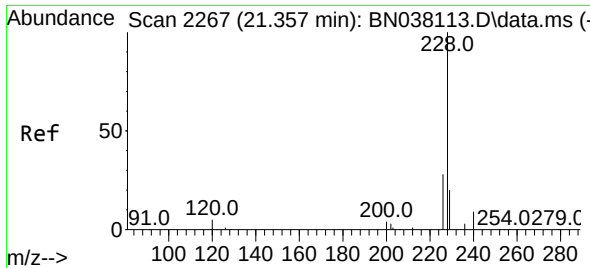


#31
Terphenyl-d14
Concen: 0.570 ng
RT: 19.819 min Scan# 2076
Delta R.T. -0.000 min
Lab File: BN038168.D
Acq: 08 Nov 2025 00:07



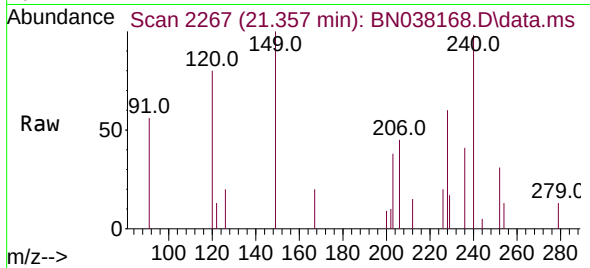
Tgt Ion:244 Resp: 15454
Ion Ratio Lower Upper
244 100
212 9.8 7.8 11.6
122 18.4 15.2 22.8





#32
Benzo(a)anthracene
Concen: 0.024 ng
RT: 21.357 min Scan# 2267
Delta R.T. -0.000 min
Lab File: BN038168.D
Acq: 08 Nov 2025 00:07

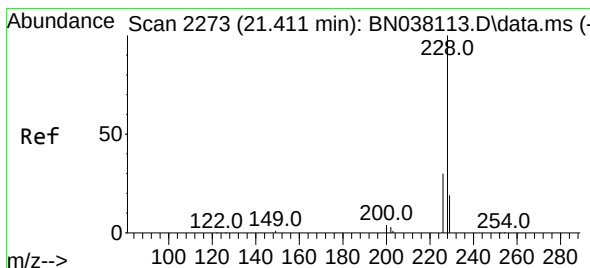
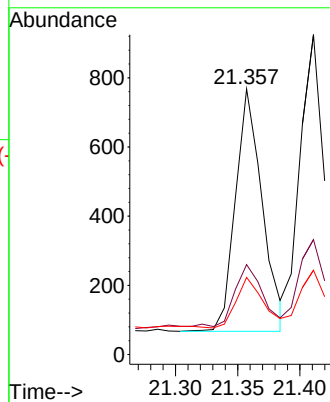
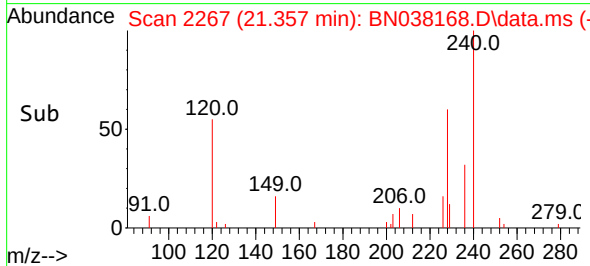
Instrument :
BNA_N
ClientSampleId :
EB-1



Tgt Ion:228 Resp: 1048
Ion Ratio Lower Upper
228 100
226 33.9 22.2 33.4
229 29.0 15.8 23.8

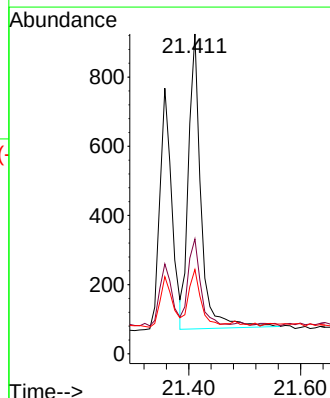
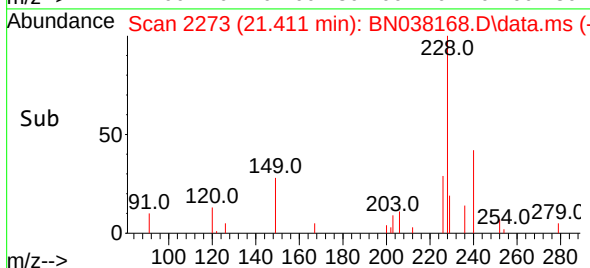
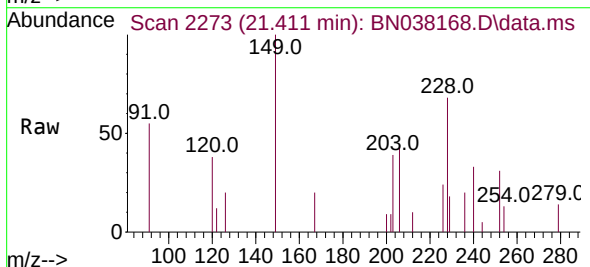
Manual Integrations
APPROVED

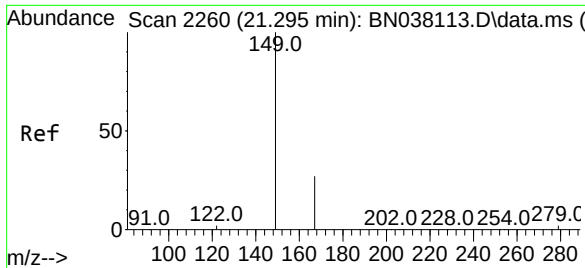
Reviewed By :Rahul Chavli 11/10/2025
Supervised By :Jagrut Upadhyay 11/10/2025



#33
Chrysene
Concen: 0.027 ng
RT: 21.411 min Scan# 2273
Delta R.T. -0.000 min
Lab File: BN038168.D
Acq: 08 Nov 2025 00:07

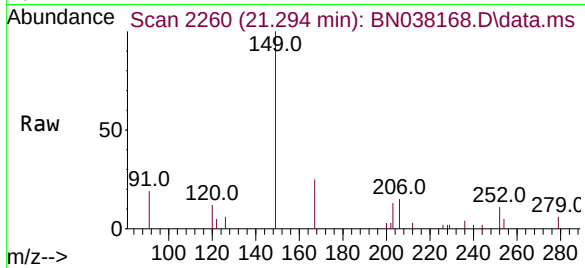
Tgt Ion:228 Resp: 1315
Ion Ratio Lower Upper
228 100
226 35.9 24.3 36.5
229 26.4 15.7 23.5





#34
Bis(2-ethylhexyl)phthalate
Concen: 0.145 ng
RT: 21.294 min Scan# 21260
Delta R.T. -0.000 min
Lab File: BN038168.D
Acq: 08 Nov 2025 00:07

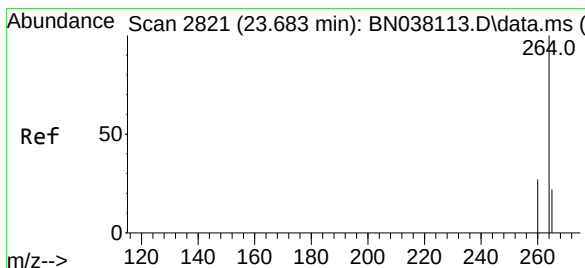
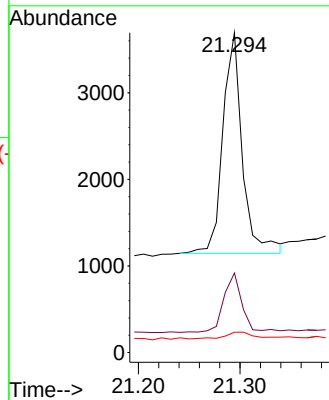
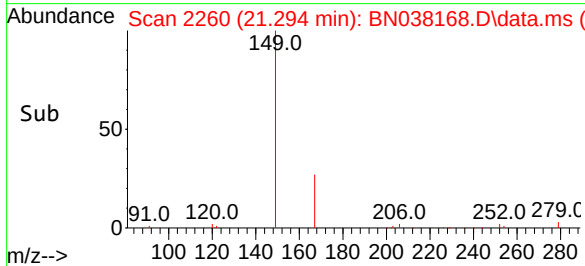
Instrument :
BNA_N
ClientSampleId :
EB-1



Tgt Ion:149 Resp: 3395
Ion Ratio Lower Upper
149 100
167 24.6 21.1 31.7
279 4.5 2.9 4.3

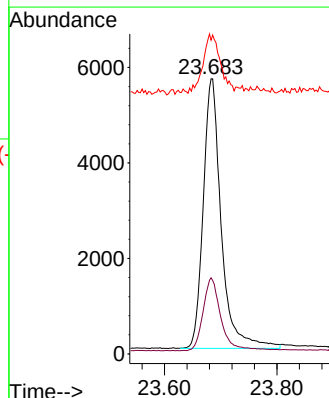
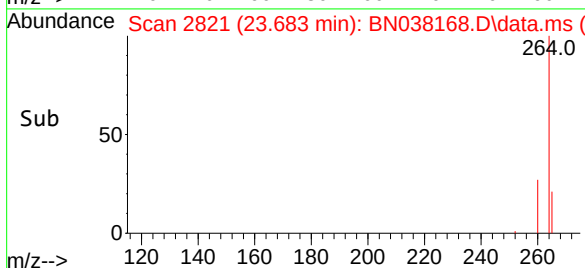
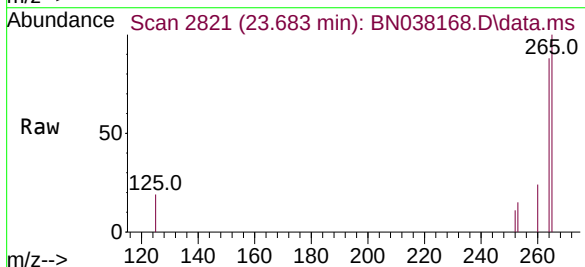
Manual Integrations
APPROVED

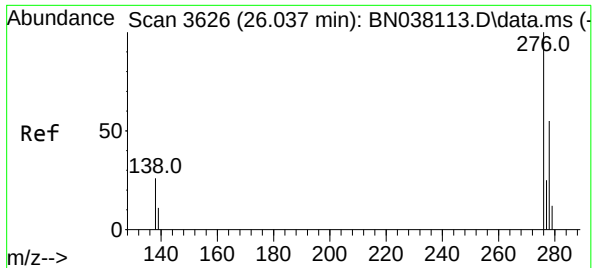
Reviewed By :Rahul Chavli 11/10/2025
Supervised By :Jagrut Upadhyay 11/10/2025



#35
Perylene-d12
Concen: 0.400 ng
RT: 23.683 min Scan# 2821
Delta R.T. 0.003 min
Lab File: BN038168.D
Acq: 08 Nov 2025 00:07

Tgt Ion:264 Resp: 12586
Ion Ratio Lower Upper
264 100
260 27.7 21.8 32.8
265 114.0 68.6 102.8





#36

Indeno(1,2,3-cd)pyrene

Concen: 0.031 ng

RT: 26.042 min Scan# 3626

Delta R.T. 0.008 min

Lab File: BN038168.D

Acq: 08 Nov 2025 00:07

Instrument :

BNA_N

ClientSampleId :

EB-1

Tgt Ion:276 Resp: 1621

Ion Ratio Lower Upper

276 100

138 9.3 21.4 32.0#

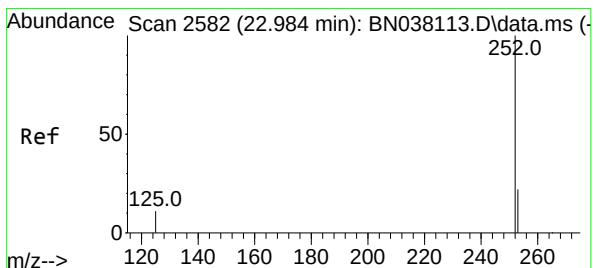
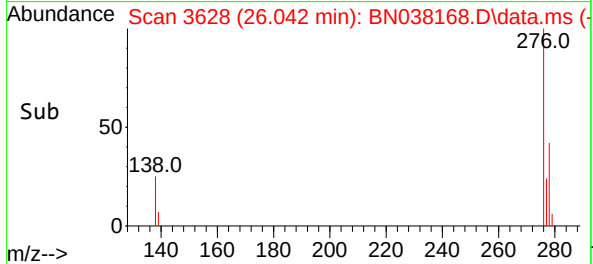
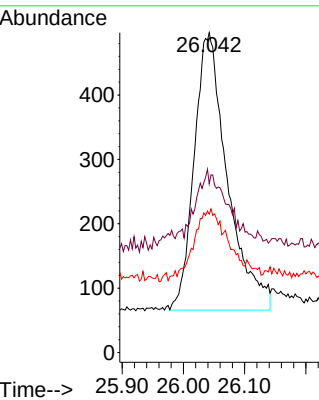
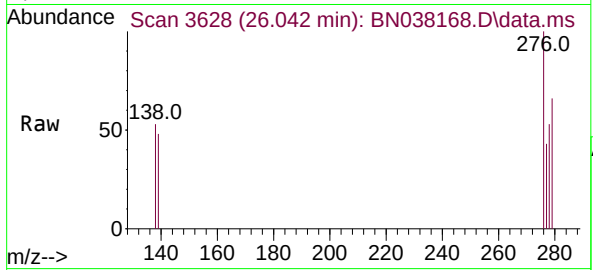
277 26.1 19.2 28.8#

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 11/10/2025

Supervised By :Jagrut Upadhyay 11/10/2025



#37

Benzo(b)fluoranthene

Concen: 0.026 ng

RT: 22.987 min Scan# 2583

Delta R.T. 0.006 min

Lab File: BN038168.D

Acq: 08 Nov 2025 00:07

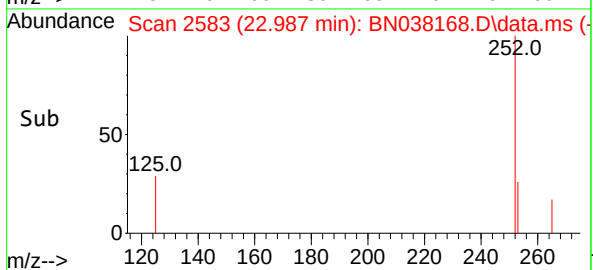
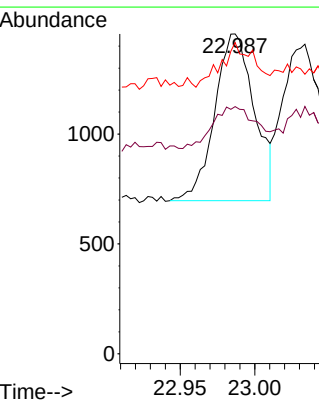
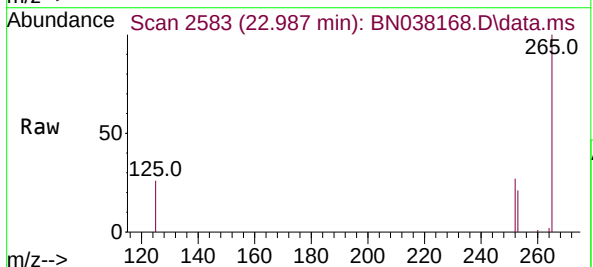
Tgt Ion:252 Resp: 1407

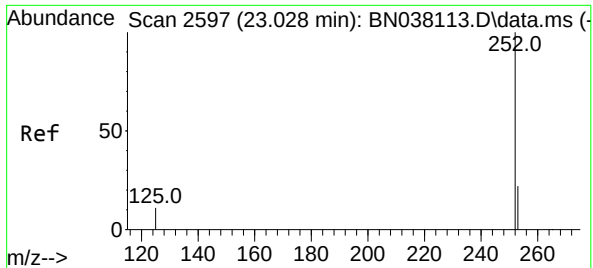
Ion Ratio Lower Upper

252 100

253 77.3 20.9 31.3#

125 97.3 14.1 21.1#





#38

Benzo(k)fluoranthene

Concen: 0.024 ng

RT: 23.034 min Scan# 21

Delta R.T. 0.006 min

Lab File: BN038168.D

Acq: 08 Nov 2025 00:07

Instrument :

BNA_N

ClientSampleId :

EB-1

Tgt Ion:252 Resp: 1294

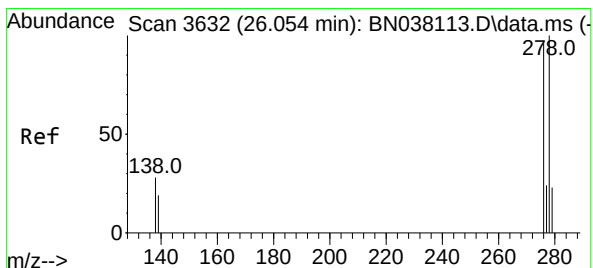
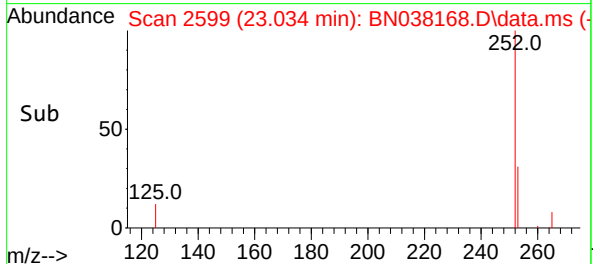
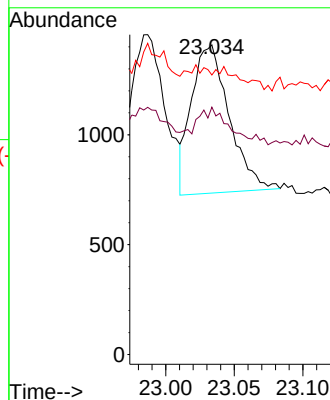
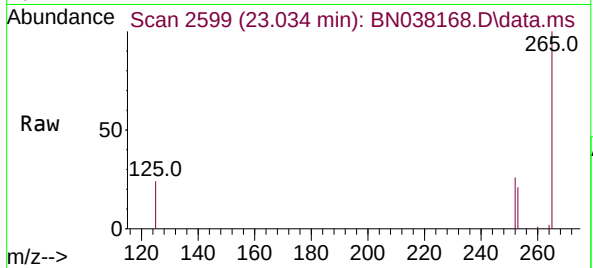
Ion	Ratio	Lower	Upper
252	100		
253	79.9	21.2	31.8
125	90.3	14.6	22.0

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 11/10/2025

Supervised By :Jagrut Upadhyay 11/10/2025



#40

Dibenzo(a,h)anthracene

Concen: 0.026 ng

RT: 26.057 min Scan# 3633

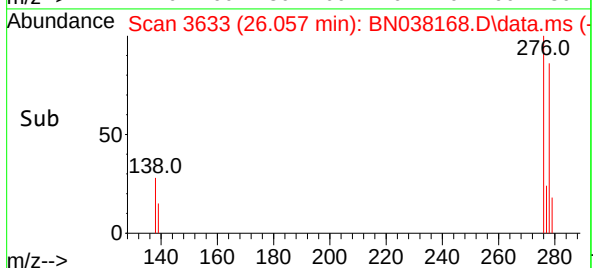
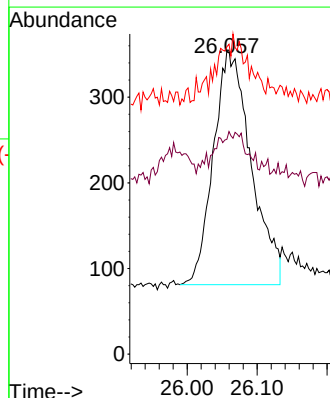
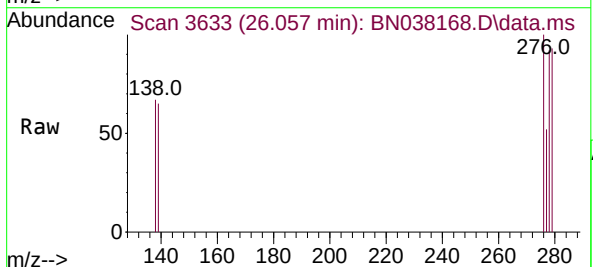
Delta R.T. 0.008 min

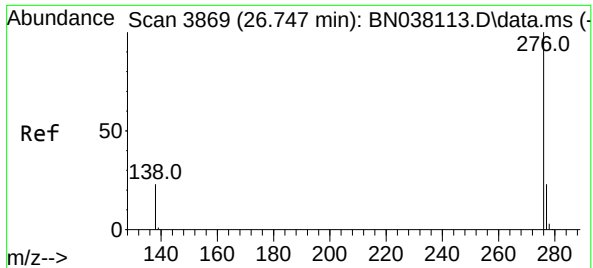
Lab File: BN038168.D

Acq: 08 Nov 2025 00:07

Tgt Ion:278 Resp: 1028

Ion	Ratio	Lower	Upper
278	100		
139	70.7	17.6	26.4
279	101.1	22.6	33.8





#41

Benzo(g,h,i)perylene

Concen: 0.029 ng

RT: 26.758 min Scan# 38

Delta R.T. 0.008 min

Lab File: BN038168.D

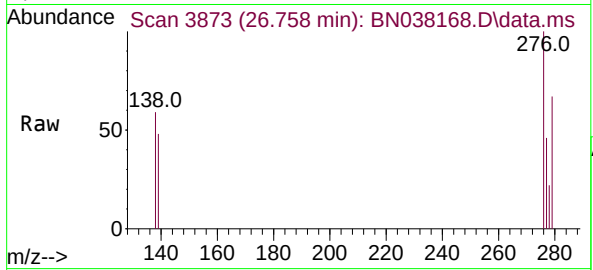
Acq: 08 Nov 2025 00:07

Instrument :

BNA_N

ClientSampleId :

EB-1



Tgt Ion:276 Resp: 1300

Ion Ratio Lower Upper

276 100

277 46.4 19.7 29.5

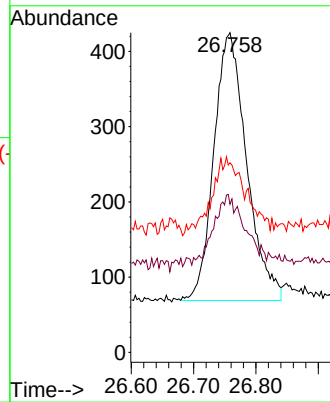
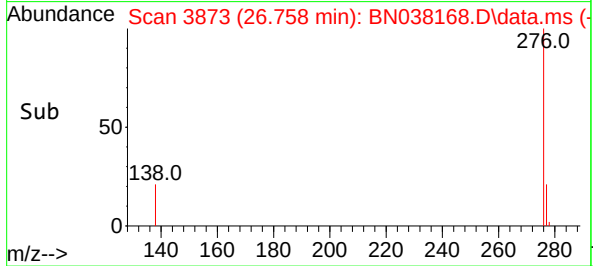
138 59.3 20.2 30.4

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 11/10/2025

Supervised By :Jagrut Upadhyay 11/10/2025





CALIBRATION SUMMARY



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

6C

SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: AllianceContract: REMI02Lab Code: ACESDG No.: Q3534Instrument ID: BNA_NCalibration Date(s): 10/28/2025 10/28/2025Calibration Time(s): 13:00 16:38

LAB FILE ID:		RRF0.1 = BN038111.D			RRF0.2 = BN038112.D		RRF0.4 = BN038113.D	
		RRF0.8 = BN038114.D			RRF1.6 = BN038115.D		RRF3.2 = BN038116.D	
COMPOUND	RRF0.1	RRF0.2	RRF0.4	RRF0.8	RRF1.6	RRF3.2	RRF	% RSD
2-Methylnaphthalene-d10	0.581	0.569	0.551	0.549	0.586	0.584	0.571	2.7
Fluoranthene-d10	1.040	0.968	0.955	0.981	1.050	1.055	1.008	4.1
2-Fluorophenol	1.066	0.973	0.954	0.908	0.919	0.895	0.943	6.7
Phenol-d6	1.266	1.134	1.134	1.097	1.131	1.137	1.148	4.7
Nitrobenzene-d5	0.403	0.312	0.313	0.301	0.316	0.307	0.323	11.1
2-Fluorobiphenyl	1.794	1.649	1.577	1.570	1.615	1.514	1.602	6.2
2,4,6-Tribromophenol	0.157	0.151	0.149	0.152	0.171	0.182	0.165	10.7
Terphenyl-d14	0.878	0.881	0.872	0.807	0.892	0.862	0.869	3.4
1,4-Dioxane		0.446	0.424	0.423	0.416	0.400	0.416	4.8

All other compounds must meet a minimum RRF of 0.010.

Form VI SV-1

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-----								

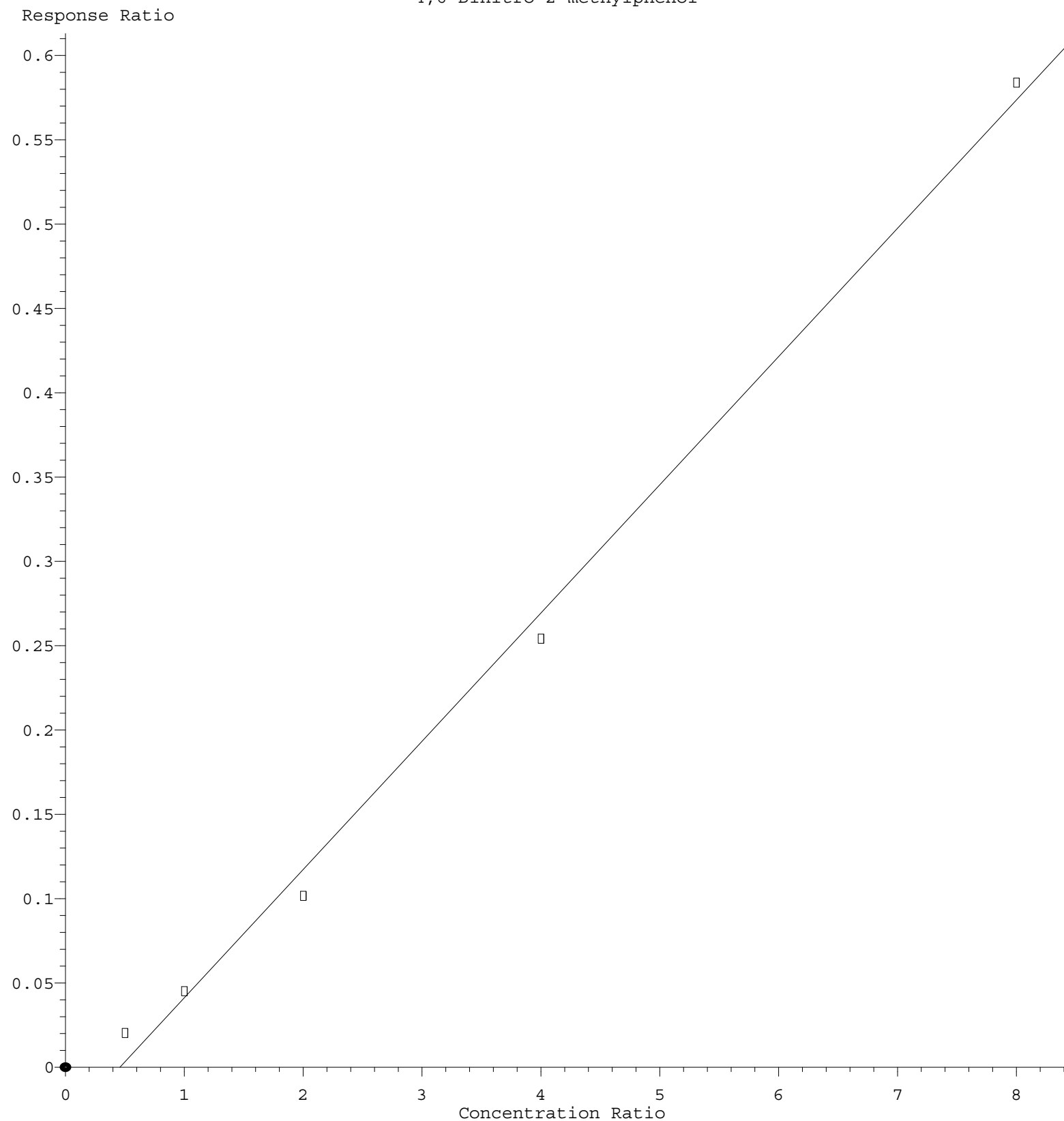
Method Path : Z:\svoasrv\HPCHEM1\BNA_N\Methods\

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

4,6-Dinitro-2-methylphenol



Response = $7.609 \times 10^{-2} \times \text{Amt} - 3.487 \times 10^{-2}$
 Coef of Det (r^2) = 0.995885 Curve Fit: Linear
 Method Name: Z:\svoasrv\HPCHEM1\BNA N\Methods\8270-SIM-BN102825.M
 Calibration Table Last Updated: Wed Oct 29 13:09:46 2025

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN102825\
 Data File : BN038111.D
 Acq On : 28 Oct 2025 13:00
 Operator : RC/JU
 Sample : SSTDICC0.1
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 SSTDICC0.1

Quant Time: Oct 28 17:31:34 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN102825.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Oct 28 17:15:13 2025
 Response via : Initial Calibration

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

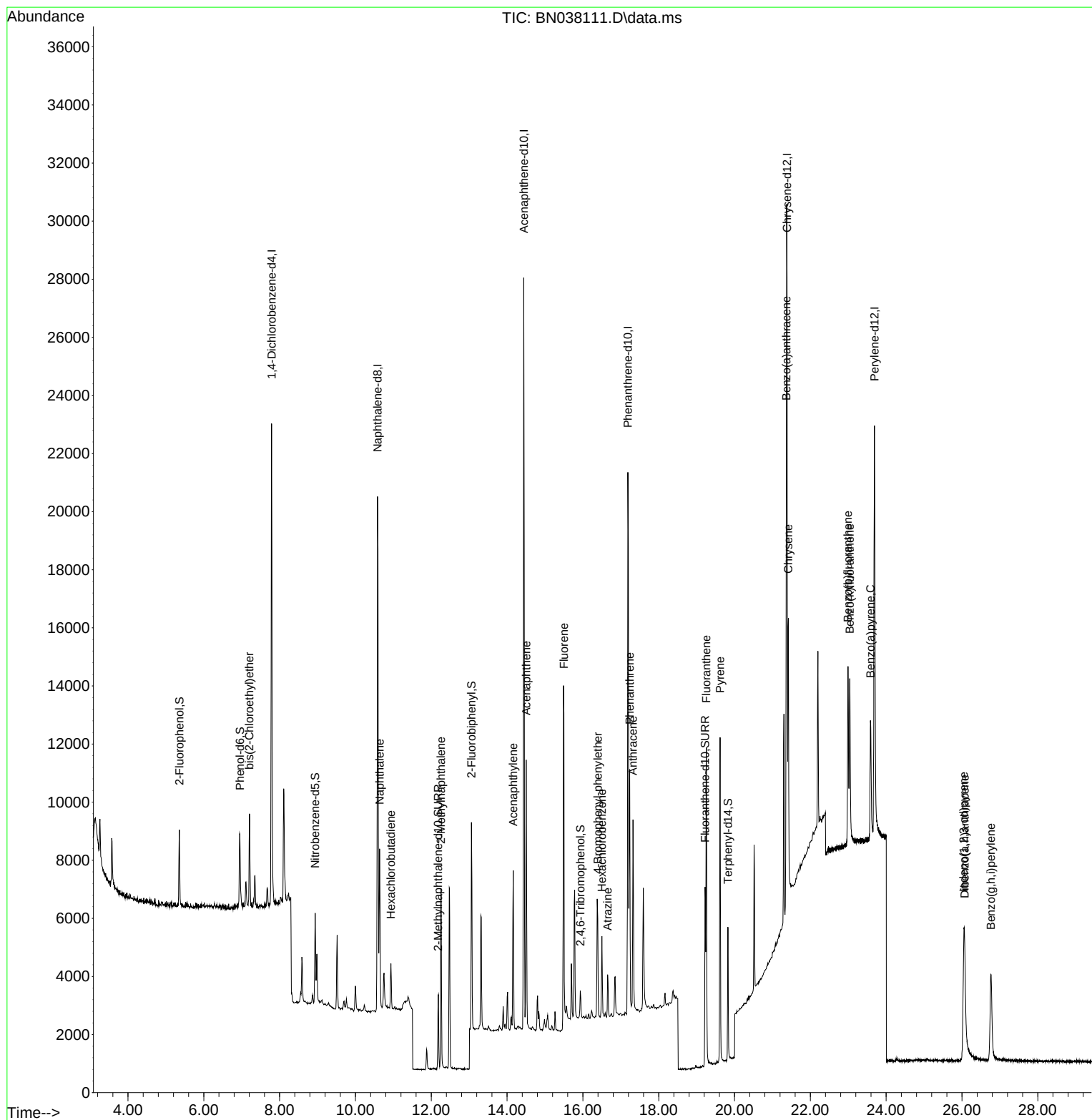
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.789	152	8239	0.400	ng	0.01
7) Naphthalene-d8	10.584	136	24762	0.400	ng	# 0.01
13) Acenaphthene-d10	14.441	164	14233	0.400	ng	0.01
19) Phenanthrene-d10	17.186	188	28114	0.400	ng	# 0.00
29) Chrysene-d12	21.384	240	22622	0.400	ng	0.00
35) Perylene-d12	23.692	264	20615	0.400	ng	0.01
System Monitoring Compounds						
4) 2-Fluorophenol	5.356	112	2196	0.113	ng	0.00
5) Phenol-d6	6.952	99	2608	0.110	ng	0.01
8) Nitrobenzene-d5	8.939	82	2497	0.125	ng	0.01
11) 2-Methylnaphthalene-d10	12.182	152	3595	0.102	ng	0.00
14) 2,4,6-Tribromophenol	15.932	330	558	0.095	ng	0.00
15) 2-Fluorobiphenyl	13.062	172	6383	0.112	ng	0.01
27) Fluoranthene-d10	19.225	212	7307	0.103	ng	0.00
31) Terphenyl-d14	19.829	244	4967	0.101	ng	0.00
Target Compounds						Qvalue
6) bis(2-Chloroethyl)ether	7.204	93	2398	0.103	ng	95
9) Naphthalene	10.637	128	7049	0.103	ng	95
10) Hexachlorobutadiene	10.936	225	1223	0.106	ng	# 98
12) 2-Methylnaphthalene	12.258	142	4736	0.104	ng	96
16) Acenaphthylene	14.163	152	6290	0.098	ng	100
17) Acenaphthene	14.505	154	4482	0.099	ng	98
18) Fluorene	15.499	166	5513	0.093	ng	97
21) 4-Bromophenyl-phenylether	16.391	248	1824	0.099	ng	# 82
22) Hexachlorobenzene	16.503	284	2137	0.102	ng	98
23) Atrazine	16.652	200	1338	0.099	ng	# 90
25) Phenanthrene	17.236	178	9006	0.101	ng	99
26) Anthracene	17.322	178	7562	0.097	ng	98
28) Fluoranthene	19.257	202	10174	0.102	ng	99
30) Pyrene	19.620	202	10370	0.102	ng	99
32) Benzo(a)anthracene	21.367	228	8433	0.104	ng	99
33) Chrysene	21.420	228	9181	0.105	ng	98
36) Indeno(1,2,3-cd)pyrene	26.048	276	7839	0.093	ng	98
37) Benzo(b)fluoranthene	22.993	252	8261	0.094	ng	# 67
38) Benzo(k)fluoranthene	23.040	252	8515	0.096	ng	# 67
39) Benzo(a)pyrene	23.590	252	6927	0.098	ng	# 58
40) Dibenzo(a,h)anthracene	26.072	278	5922	0.091	ng	# 71
41) Benzo(g,h,i)perylene	26.765	276	7227	0.097	ng	# 88

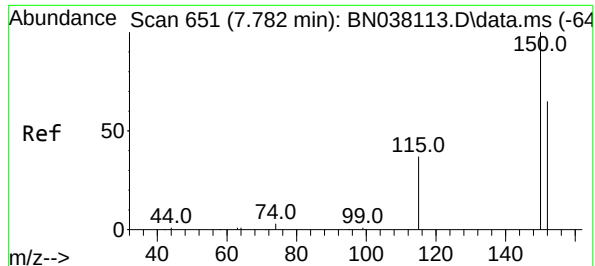
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN102825\
Data File : BN038111.D
Acq On : 28 Oct 2025 13:00
Operator : RC/JU
Sample : SSTDICC0.1
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.1

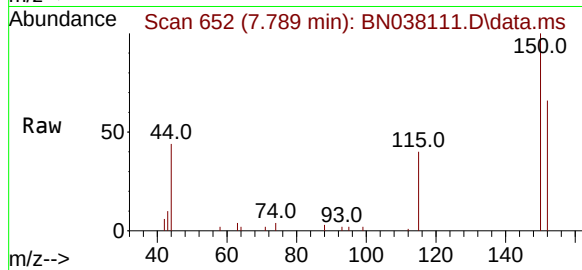
Quant Time: Oct 28 17:31:34 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN102825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Oct 28 17:15:13 2025
Response via : Initial Calibration



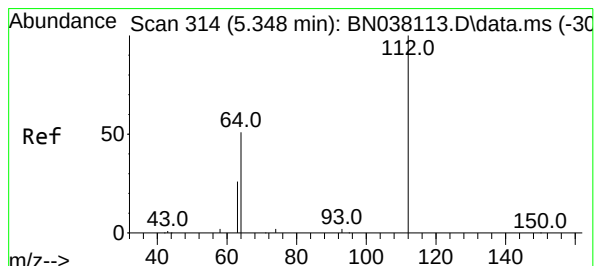
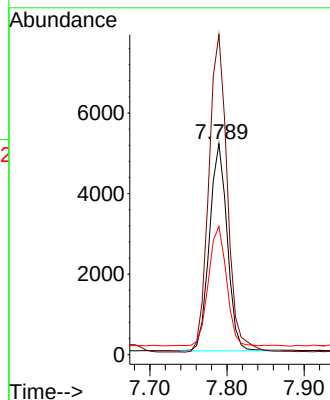
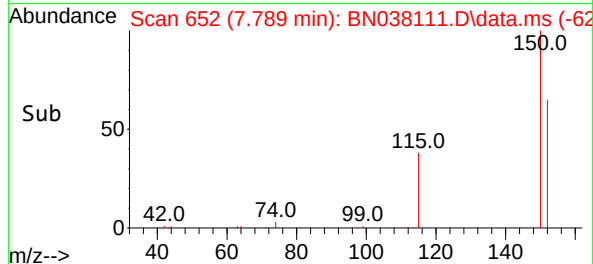


#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.789 min Scan# 61
Delta R.T. 0.014 min
Lab File: BN038111.D
Acq: 28 Oct 2025 13:00

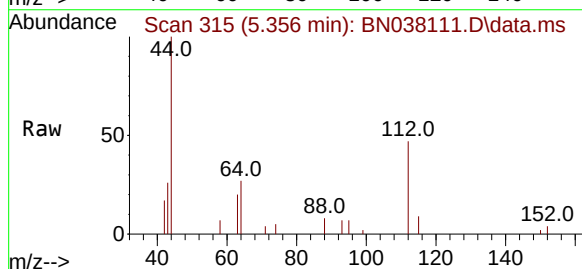
Instrument :
BNA_N
ClientSampleId :
SSTDICC0.1



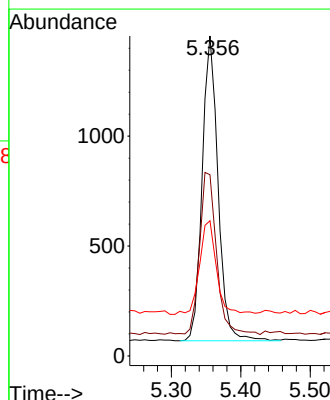
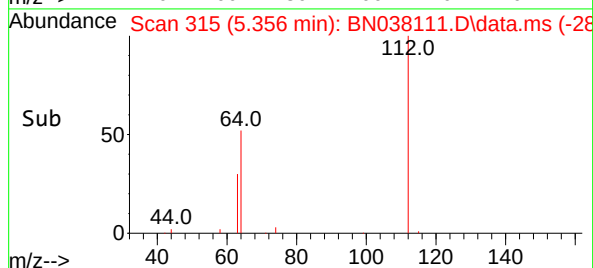
Tgt Ion:152 Resp: 8239
Ion Ratio Lower Upper
152 100
150 151.7 122.3 183.5
115 60.8 47.4 71.0

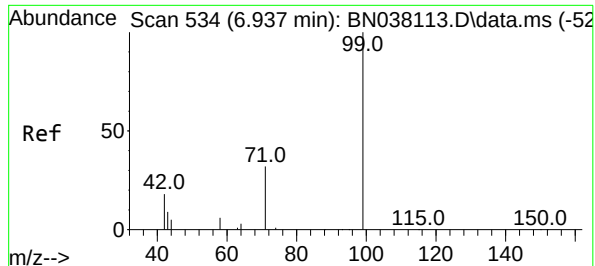


#4
2-Fluorophenol
Concen: 0.113 ng
RT: 5.356 min Scan# 315
Delta R.T. 0.007 min
Lab File: BN038111.D
Acq: 28 Oct 2025 13:00



Tgt Ion:112 Resp: 2196
Ion Ratio Lower Upper
112 100
64 57.2 45.4 68.0
63 32.8 23.2 34.8

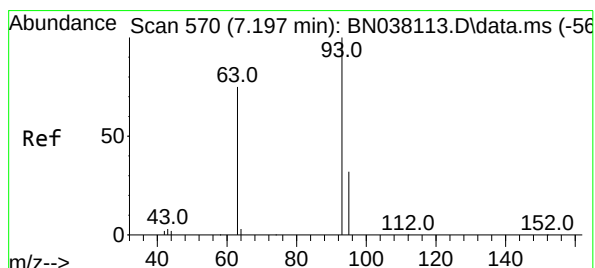
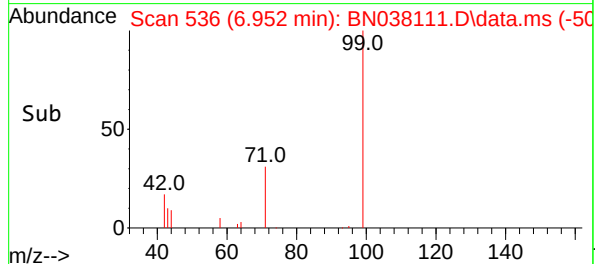
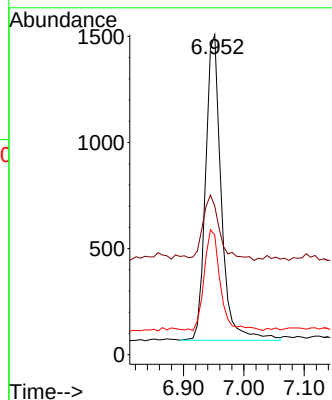
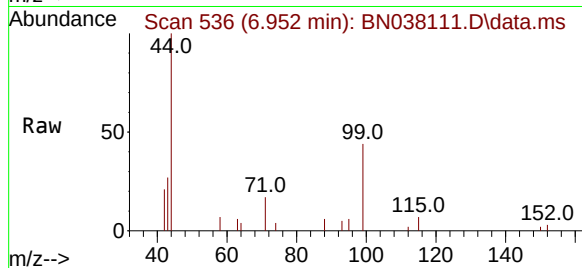




#5
Phenol-d6
Concen: 0.110 ng
RT: 6.952 min Scan# 511
Delta R.T. 0.015 min
Lab File: BN038111.D
Acq: 28 Oct 2025 13:00

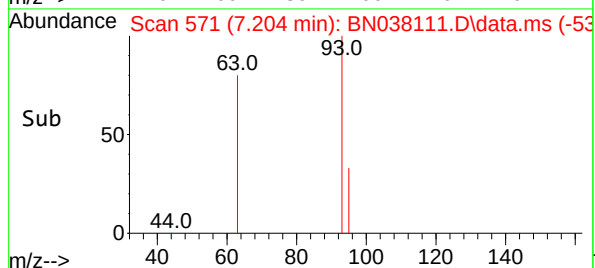
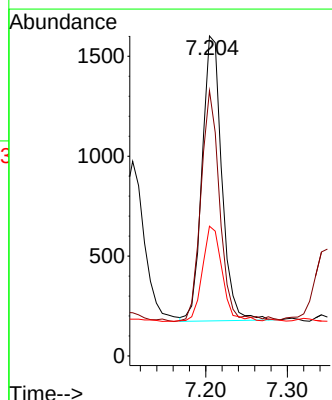
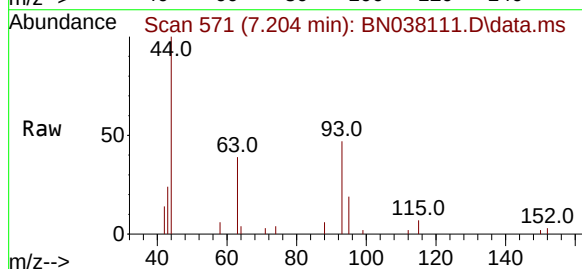
Instrument :
BNA_N
ClientSampleId :
SSTDICC0.1

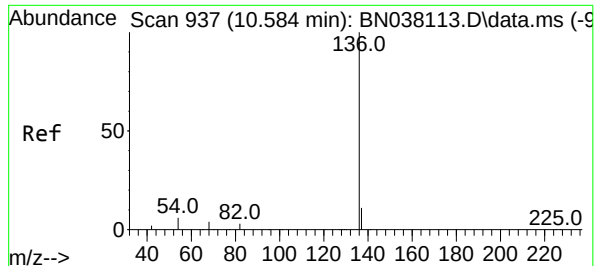
Tgt Ion: 99 Resp: 2608
Ion Ratio Lower Upper
99 100
42 23.4 16.6 24.8
71 34.0 25.4 38.2



#6
bis(2-Chloroethyl)ether
Concen: 0.103 ng
RT: 7.204 min Scan# 571
Delta R.T. 0.007 min
Lab File: BN038111.D
Acq: 28 Oct 2025 13:00

Tgt Ion: 93 Resp: 2398
Ion Ratio Lower Upper
93 100
63 78.2 59.3 88.9
95 34.1 25.2 37.8

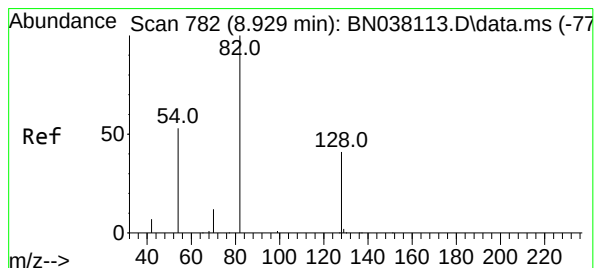
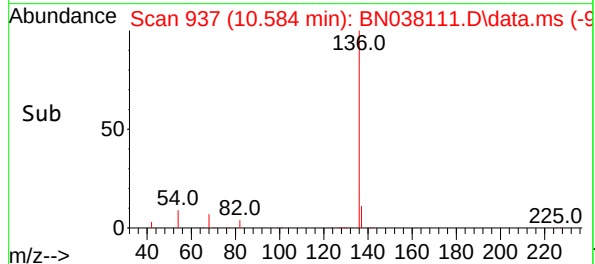
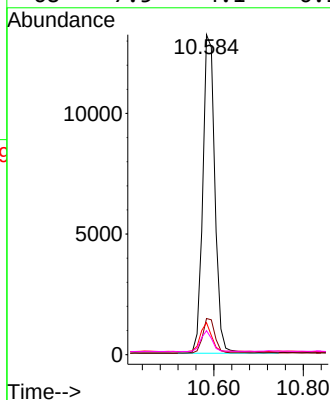
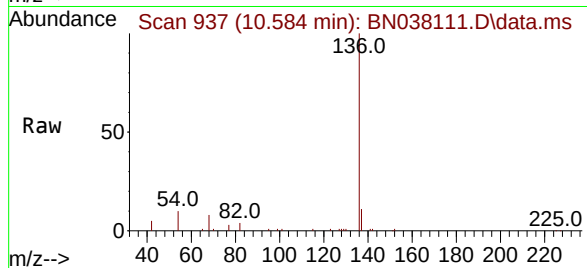




#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.584 min Scan# 91
Delta R.T. 0.011 min
Lab File: BN038111.D
Acq: 28 Oct 2025 13:00

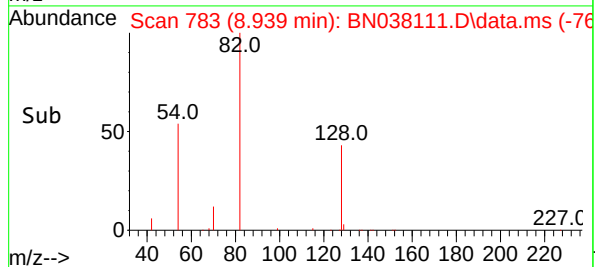
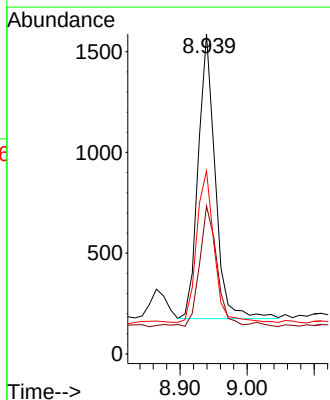
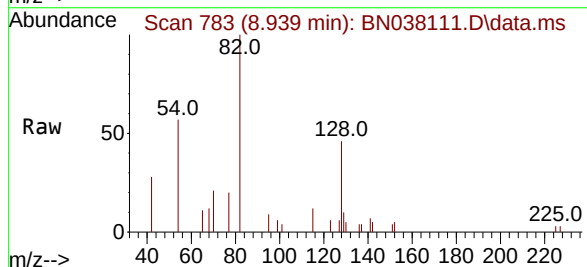
Instrument :
BNA_N
ClientSampleId :
SSTDICC0.1

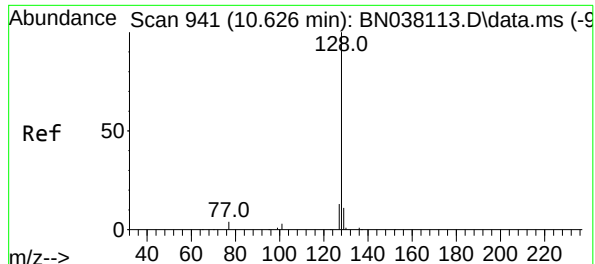
Tgt Ion:136 Resp: 24762
Ion Ratio Lower Upper
136 100
137 11.3 9.0 13.4
54 10.0 5.2 7.8#
68 7.5 4.1 6.1#



#8
Nitrobenzene-d5
Concen: 0.125 ng
RT: 8.939 min Scan# 783
Delta R.T. 0.011 min
Lab File: BN038111.D
Acq: 28 Oct 2025 13:00

Tgt Ion: 82 Resp: 2497
Ion Ratio Lower Upper
82 100
128 46.2 34.1 51.1
54 57.2 43.5 65.3

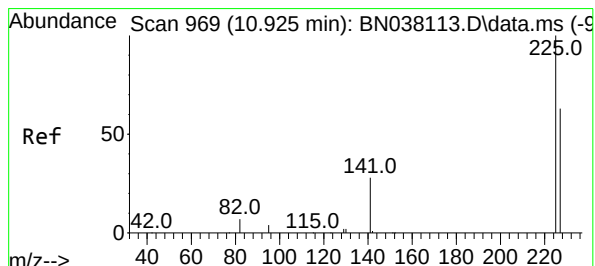
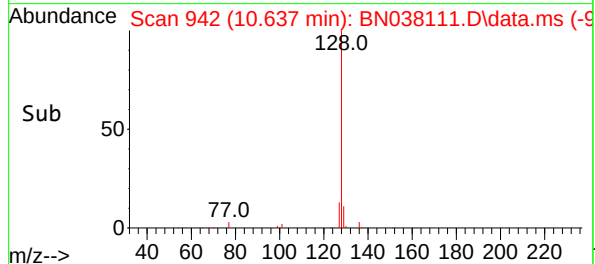
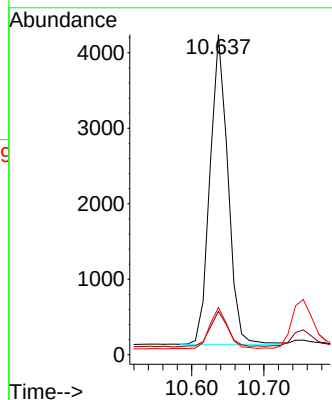
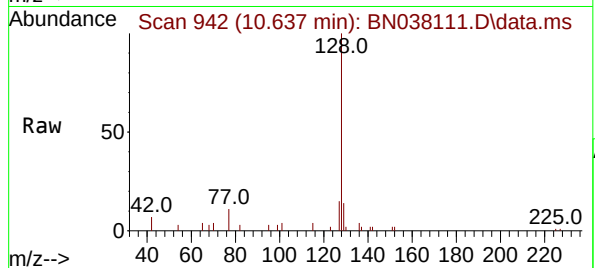




#9
Naphthalene
Concen: 0.103 ng
RT: 10.637 min Scan# 941
Delta R.T. 0.011 min
Lab File: BN038111.D
Acq: 28 Oct 2025 13:00

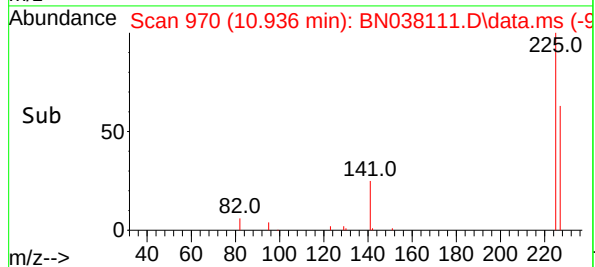
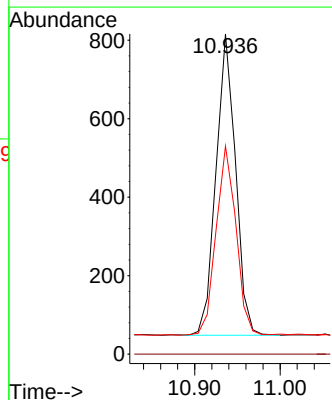
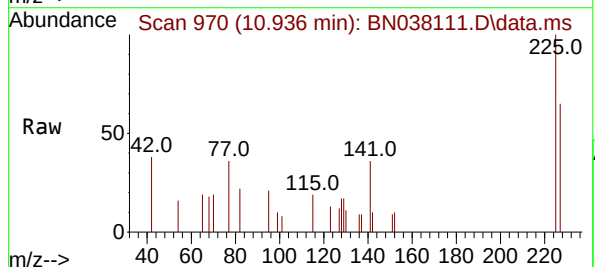
Instrument :
BNA_N
ClientSampleId :
SSTDICC0.1

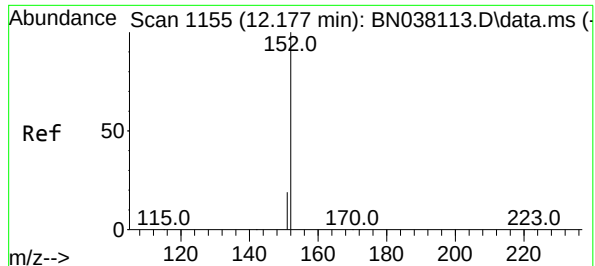
Tgt Ion:128 Resp: 7049
Ion Ratio Lower Upper
128 100
129 13.5 9.1 13.7
127 14.7 10.5 15.7



#10
Hexachlorobutadiene
Concen: 0.106 ng
RT: 10.936 min Scan# 970
Delta R.T. 0.011 min
Lab File: BN038111.D
Acq: 28 Oct 2025 13:00

Tgt Ion:225 Resp: 1223
Ion Ratio Lower Upper
225 100
223 0.0 0.0 0.0
227 64.3 50.3 75.5

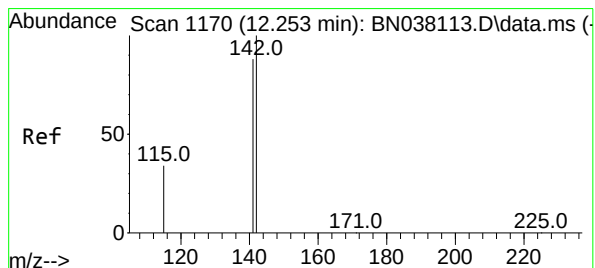
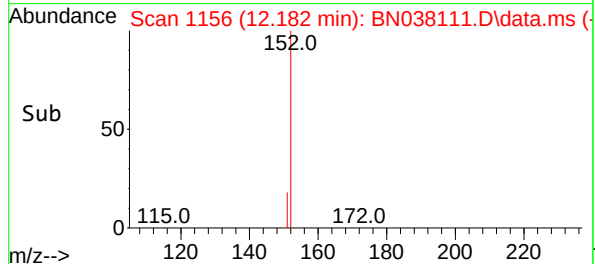
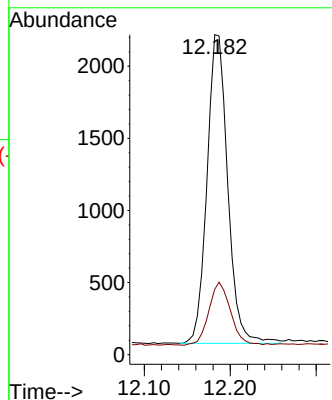
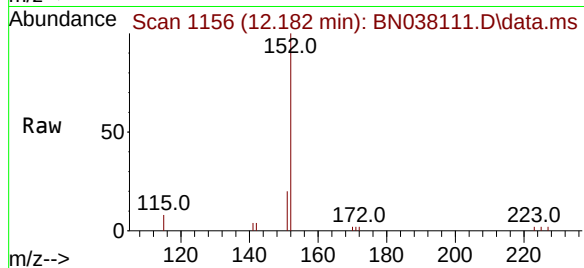




#11
2-Methylnaphthalene-d10
Concen: 0.102 ng
RT: 12.182 min Scan# 1156
Delta R.T. 0.005 min
Lab File: BN038111.D
Acq: 28 Oct 2025 13:00

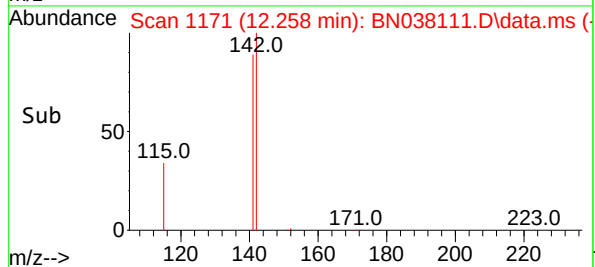
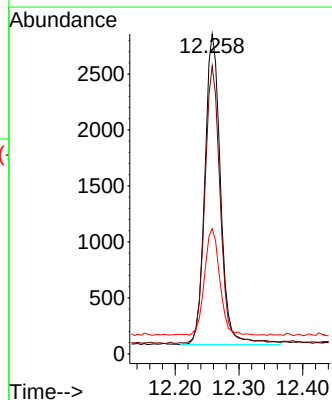
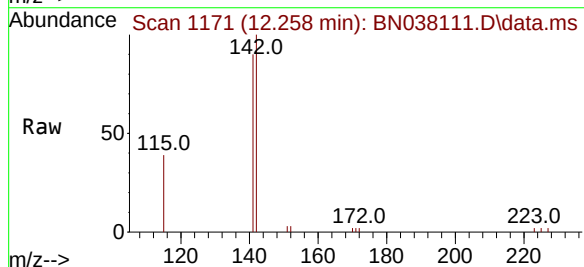
Instrument :
BNA_N
ClientSampleId :
SSTDICC0.1

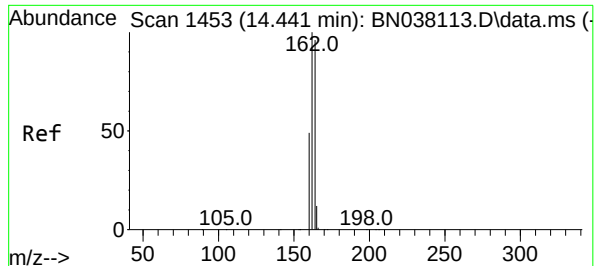
Tgt Ion:152 Resp: 3595
Ion Ratio Lower Upper
152 100
151 21.4 16.8 25.2



#12
2-Methylnaphthalene
Concen: 0.104 ng
RT: 12.258 min Scan# 1171
Delta R.T. 0.010 min
Lab File: BN038111.D
Acq: 28 Oct 2025 13:00

Tgt Ion:142 Resp: 4736
Ion Ratio Lower Upper
142 100
141 90.0 70.3 105.5
115 39.2 27.8 41.6

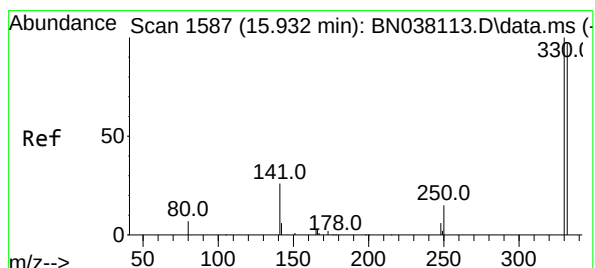
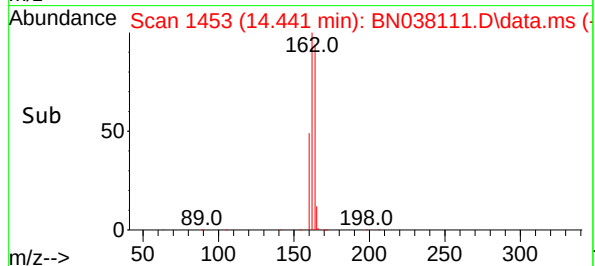
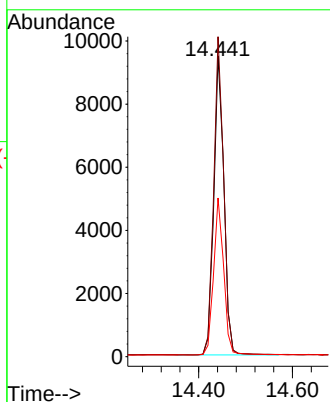
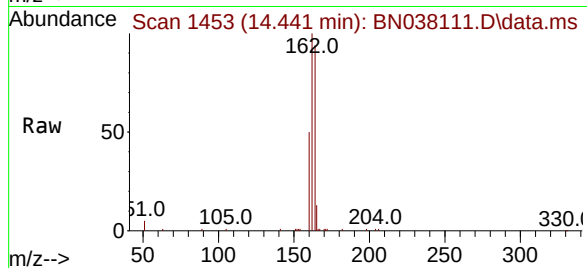




#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.441 min Scan# 1453
Delta R.T. 0.011 min
Lab File: BN038111.D
Acq: 28 Oct 2025 13:00

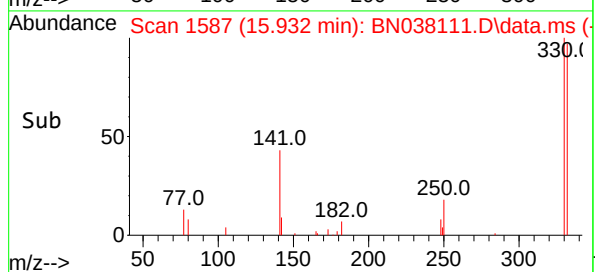
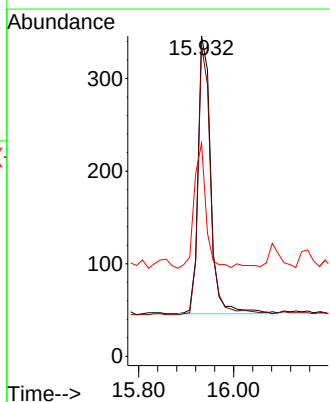
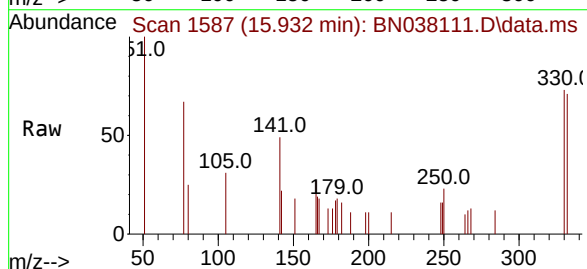
Instrument :
BNA_N
ClientSampleId :
SSTDICC0.1

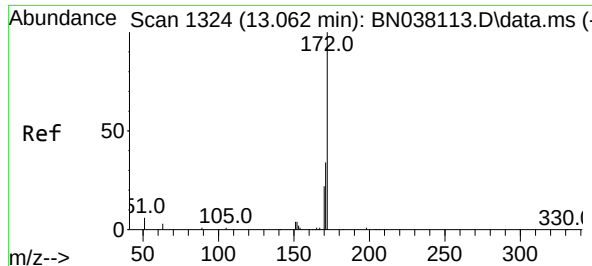
Tgt Ion:164 Resp: 14233
Ion Ratio Lower Upper
164 100
162 106.3 83.0 124.4
160 52.7 40.7 61.1



#14
2,4,6-Tribromophenol
Concen: 0.095 ng
RT: 15.932 min Scan# 1587
Delta R.T. 0.000 min
Lab File: BN038111.D
Acq: 28 Oct 2025 13:00

Tgt Ion:330 Resp: 558
Ion Ratio Lower Upper
330 100
332 95.9 76.6 114.8
141 41.0 34.1 51.1





#15

2-Fluorobiphenyl

Concen: 0.112 ng

RT: 13.062 min Scan# 11

Delta R.T. 0.011 min

Lab File: BN038111.D

Acq: 28 Oct 2025 13:00

Instrument :

BNA_N

ClientSampleId :

SSTDICC0.1

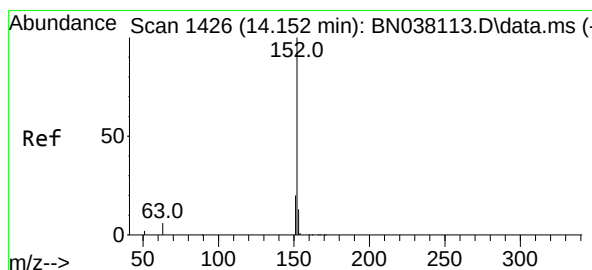
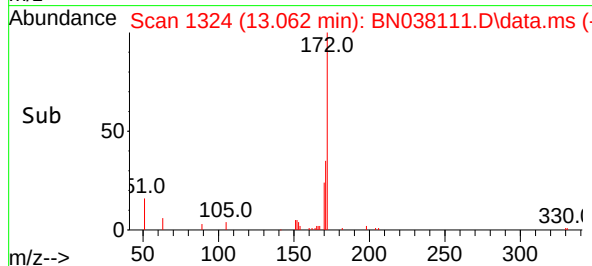
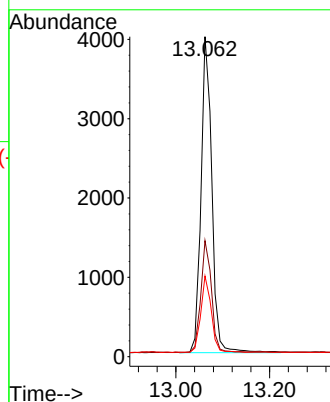
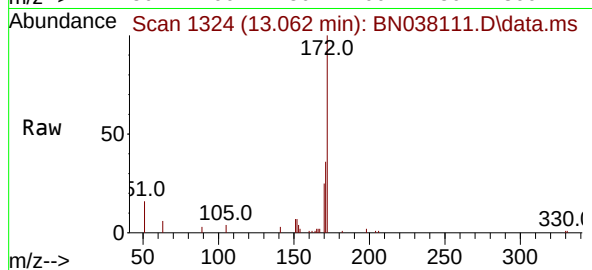
Tgt Ion:172 Resp: 6383

Ion Ratio Lower Upper

172 100

171 36.2 27.8 41.6

170 25.2 18.1 27.1



#16

Acenaphthylene

Concen: 0.098 ng

RT: 14.163 min Scan# 1427

Delta R.T. 0.011 min

Lab File: BN038111.D

Acq: 28 Oct 2025 13:00

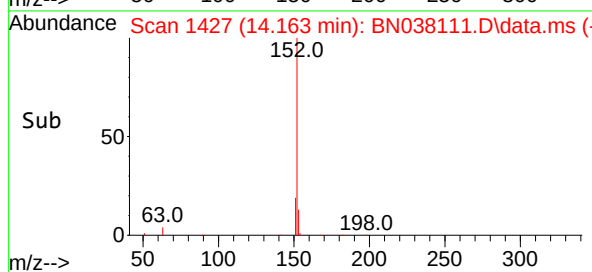
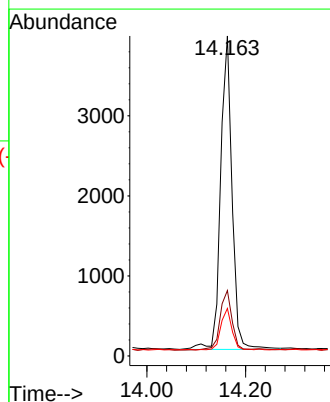
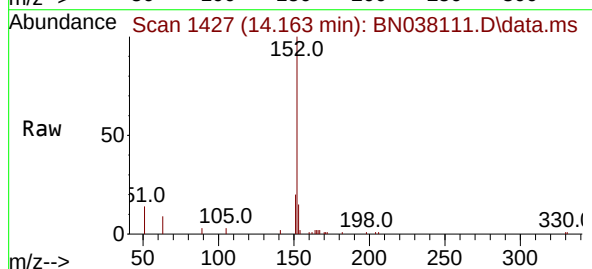
Tgt Ion:152 Resp: 6290

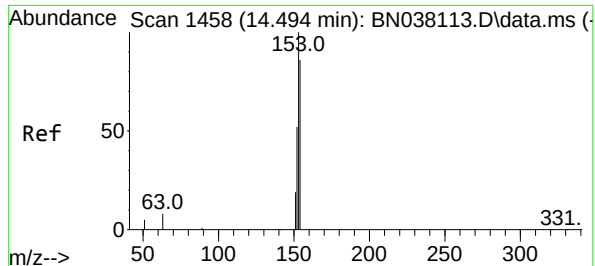
Ion Ratio Lower Upper

152 100

151 19.9 15.8 23.8

153 12.9 10.2 15.2

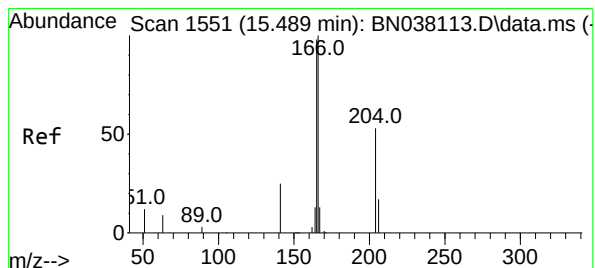
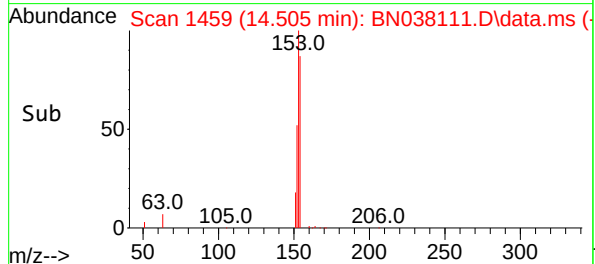
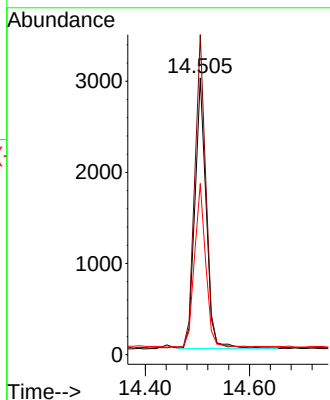
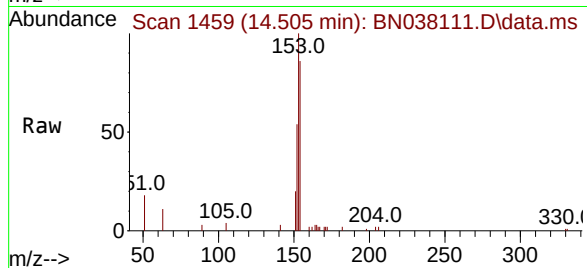




#17
Acenaphthene
Concen: 0.099 ng
RT: 14.505 min Scan# 1459
Delta R.T. 0.011 min
Lab File: BN038111.D
Acq: 28 Oct 2025 13:00

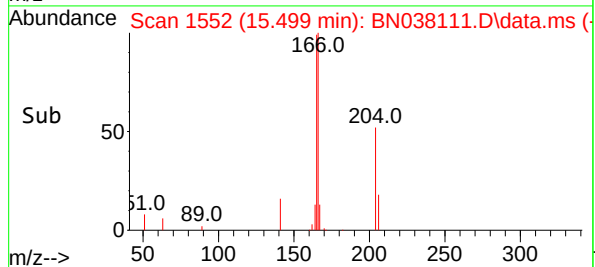
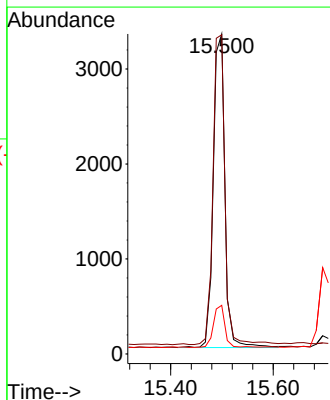
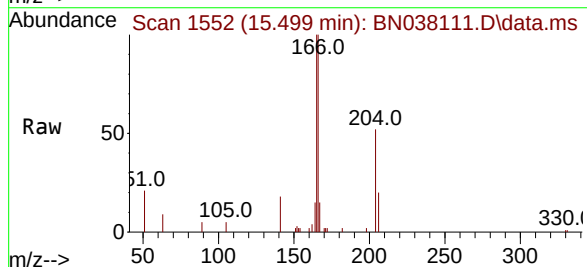
Instrument :
BNA_N
ClientSampleId :
SSTDICC0.1

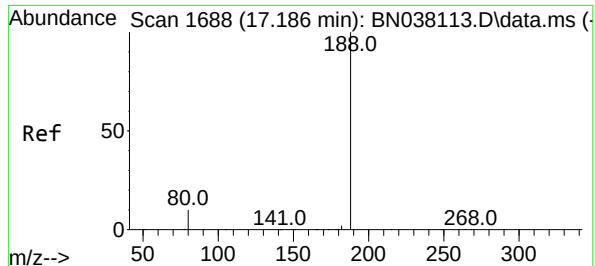
Tgt Ion:154 Resp: 4482
Ion Ratio Lower Upper
154 100
153 114.1 90.0 135.0
152 60.7 47.3 70.9



#18
Fluorene
Concen: 0.093 ng
RT: 15.499 min Scan# 1552
Delta R.T. 0.010 min
Lab File: BN038111.D
Acq: 28 Oct 2025 13:00

Tgt Ion:166 Resp: 5513
Ion Ratio Lower Upper
166 100
165 102.4 79.0 118.4
167 13.3 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: BN038111.D

Acq: 28 Oct 2025 13:00

Instrument :

BNA_N

ClientSampleId :

SSTDICC0.1

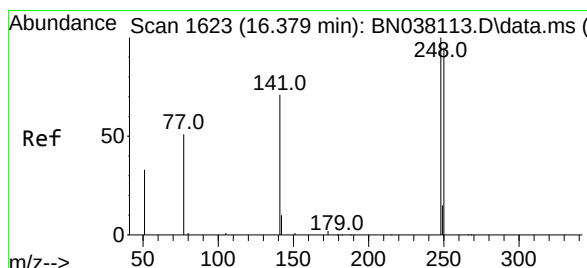
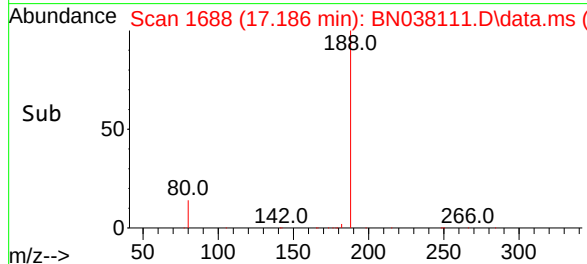
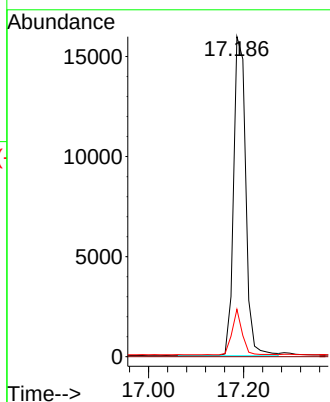
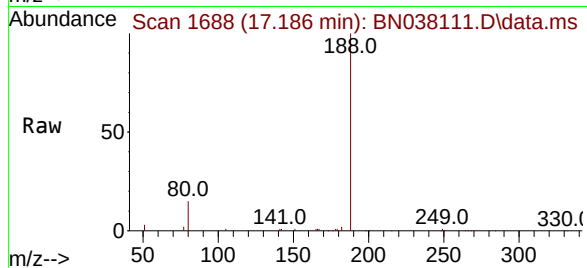
Tgt Ion:188 Resp: 28114

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

80 14.8 8.6 13.0#



#21

4-Bromophenyl-phenylether

Concen: 0.099 ng

RT: 16.391 min Scan# 1624

Delta R.T. 0.012 min

Lab File: BN038111.D

Acq: 28 Oct 2025 13:00

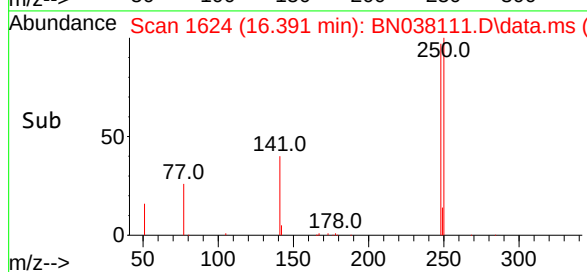
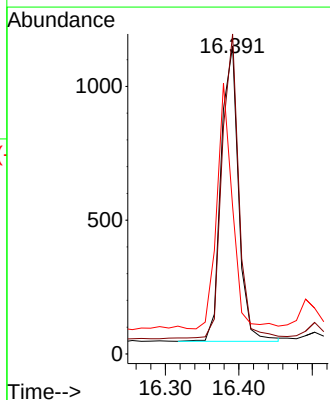
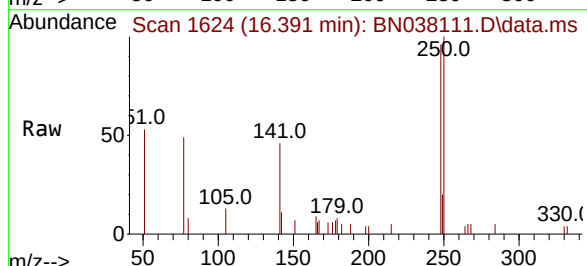
Tgt Ion:248 Resp: 1824

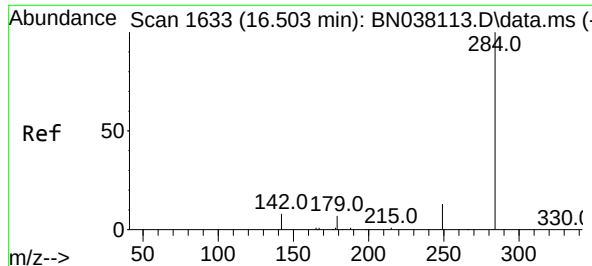
Ion Ratio Lower Upper

248 100

250 103.9 76.2 114.2

141 48.0 57.6 86.4#

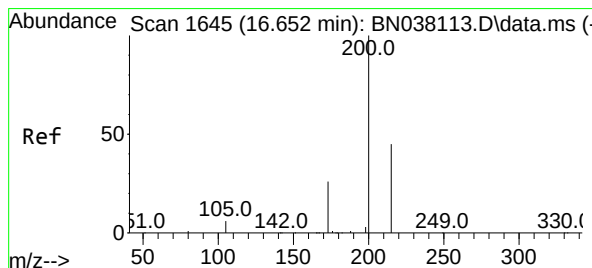
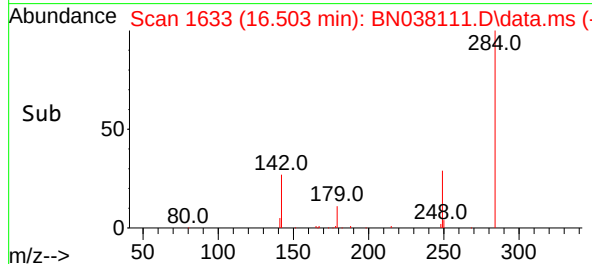
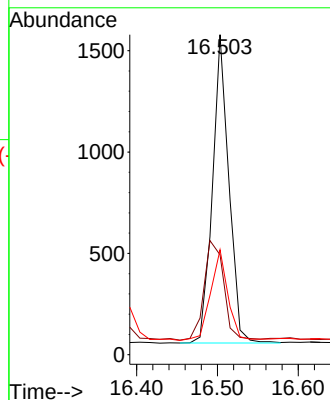
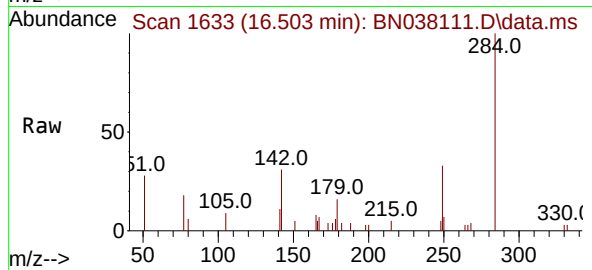




#22
Hexachlorobenzene
Concen: 0.102 ng
RT: 16.503 min Scan# 1633
Delta R.T. 0.000 min
Lab File: BN038111.D
Acq: 28 Oct 2025 13:00

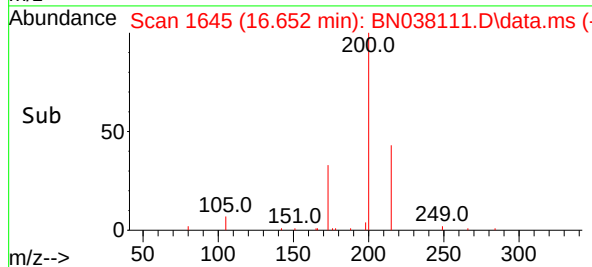
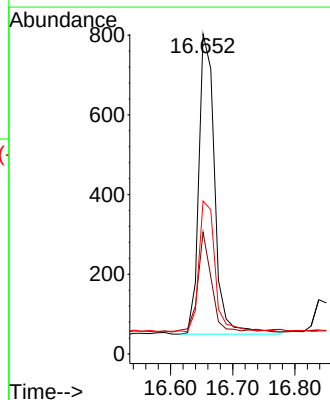
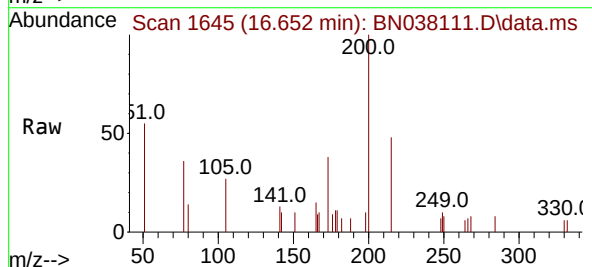
Instrument :
BNA_N
ClientSampleId :
SSTDICC0.1

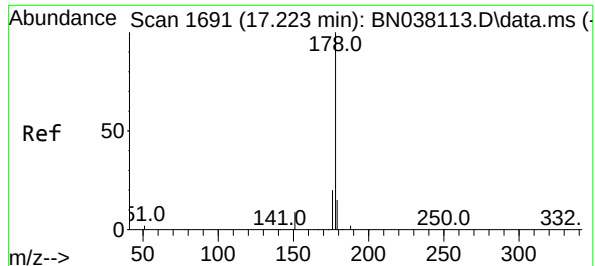
Tgt Ion	284	Resp	2137
Ion Ratio	Lower	Upper	
284	100		
142	38.9	30.5	45.7
249	31.2	23.5	35.3



#23
Atrazine
Concen: 0.099 ng
RT: 16.652 min Scan# 1645
Delta R.T. 0.000 min
Lab File: BN038111.D
Acq: 28 Oct 2025 13:00

Tgt Ion	200	Resp	1338
Ion Ratio	Lower	Upper	
200	100		
173	38.1	21.4	32.2#
215	47.8	36.7	55.1

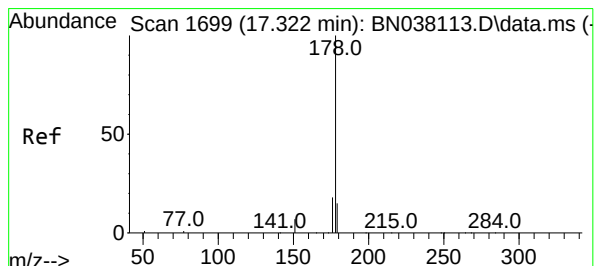
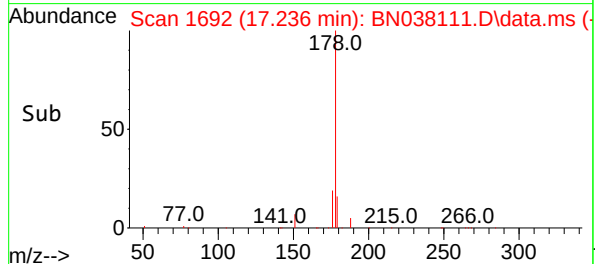
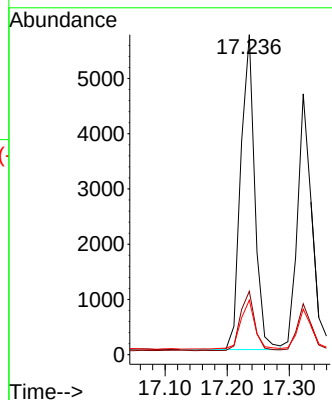
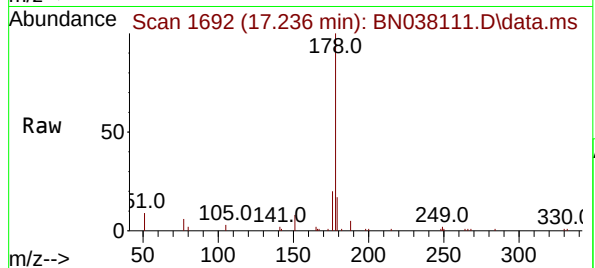




#25
Phenanthrene
Concen: 0.101 ng
RT: 17.236 min Scan# 1692
Delta R.T. 0.012 min
Lab File: BN038111.D
Acq: 28 Oct 2025 13:00

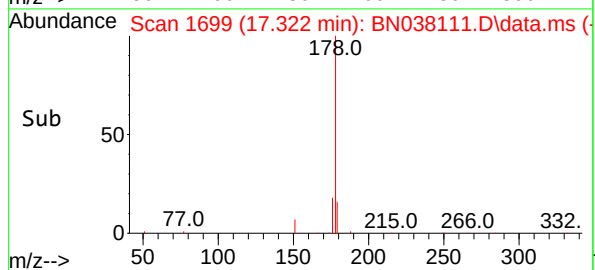
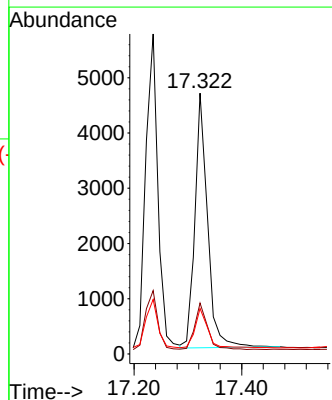
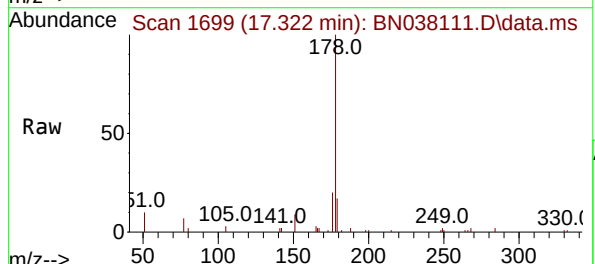
Instrument :
BNA_N
ClientSampleId :
SSTDICC0.1

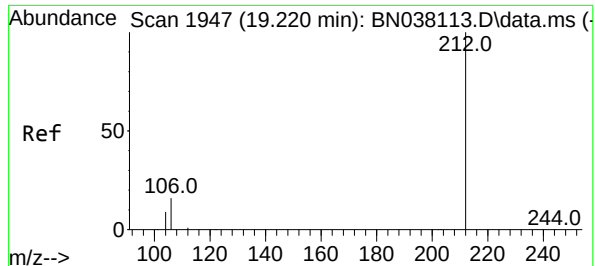
Tgt Ion:178 Resp: 9006
Ion Ratio Lower Upper
178 100
176 19.0 15.5 23.3
179 15.8 12.2 18.4



#26
Anthracene
Concen: 0.097 ng
RT: 17.322 min Scan# 1699
Delta R.T. 0.000 min
Lab File: BN038111.D
Acq: 28 Oct 2025 13:00

Tgt Ion:178 Resp: 7562
Ion Ratio Lower Upper
178 100
176 18.4 14.9 22.3
179 16.0 11.8 17.8





#27

Fluoranthene-d10

Concen: 0.103 ng

RT: 19.225 min Scan# 1948

Delta R.T. 0.005 min

Lab File: BN038111.D

Acq: 28 Oct 2025 13:00

Instrument :

BNA_N

ClientSampleId :

SSTDICC0.1

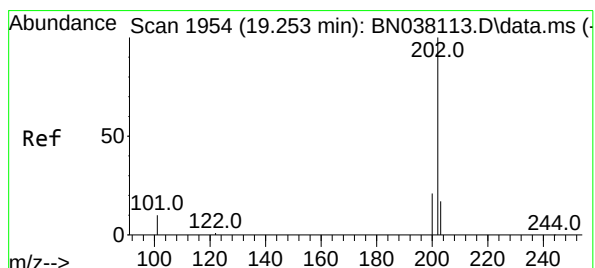
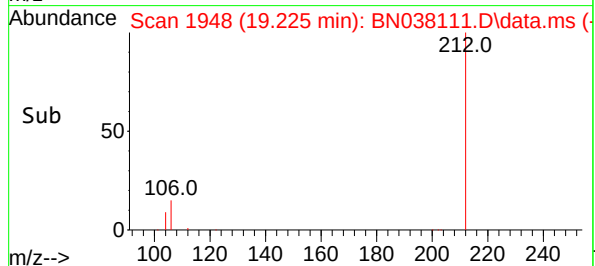
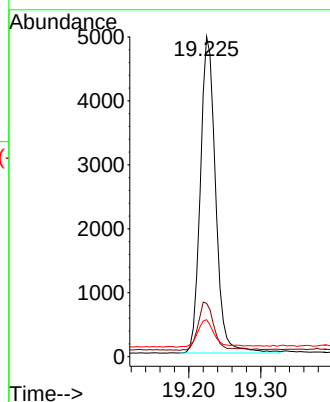
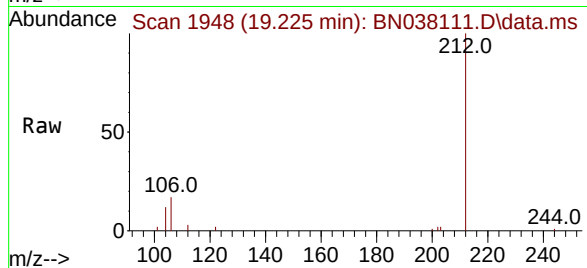
Tgt Ion:212 Resp: 7307

Ion Ratio Lower Upper

212 100

106 15.9 12.6 19.0

104 9.3 7.1 10.7



#28

Fluoranthene

Concen: 0.102 ng

RT: 19.257 min Scan# 1955

Delta R.T. 0.005 min

Lab File: BN038111.D

Acq: 28 Oct 2025 13:00

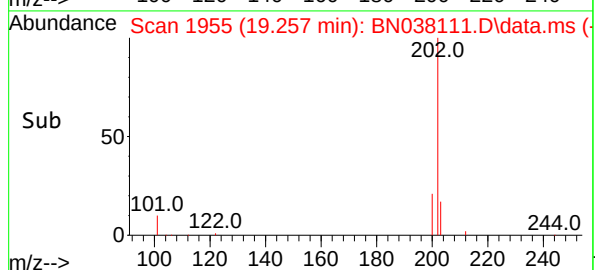
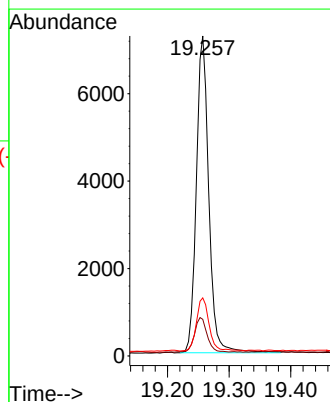
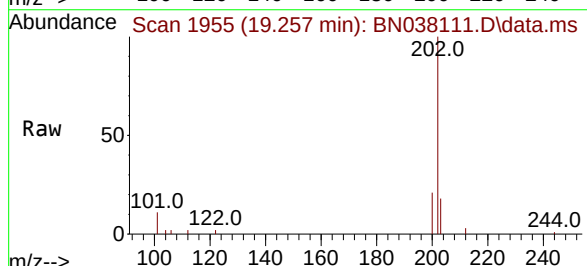
Tgt Ion:202 Resp: 10174

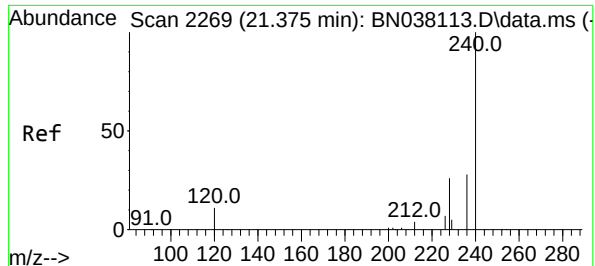
Ion Ratio Lower Upper

202 100

101 11.4 9.4 14.2

203 17.2 13.4 20.2





#29

Chrysene-d12

Concen: 0.400 ng

RT: 21.384 min Scan# 21

Delta R.T. 0.009 min

Lab File: BN038111.D

Acq: 28 Oct 2025 13:00

Instrument :

BNA_N

ClientSampleId :

SSTDICC0.1

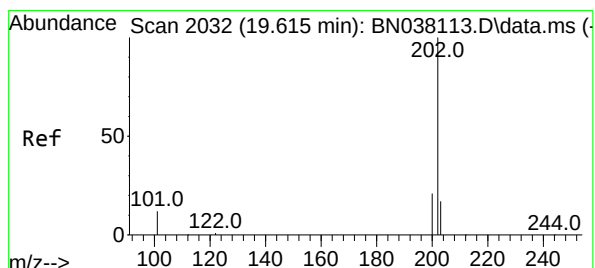
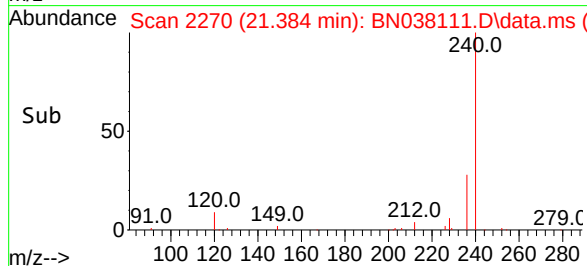
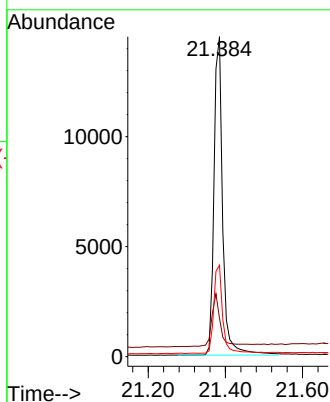
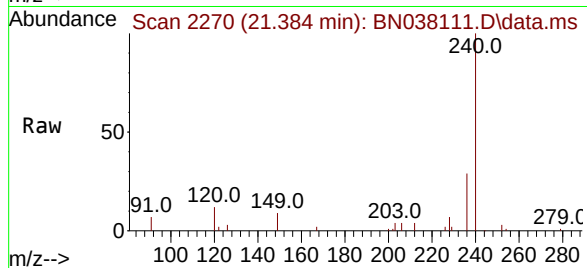
Tgt Ion:240 Resp: 22622

Ion Ratio Lower Upper

240 100

120 12.1 10.7 16.1

236 28.6 23.1 34.7



#30

Pyrene

Concen: 0.102 ng

RT: 19.620 min Scan# 2033

Delta R.T. 0.009 min

Lab File: BN038111.D

Acq: 28 Oct 2025 13:00

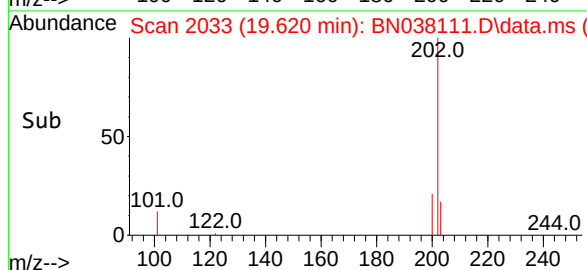
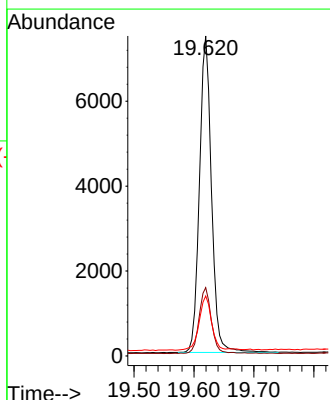
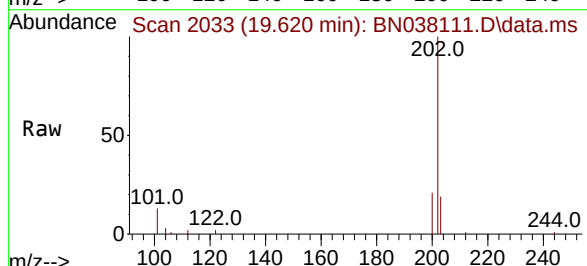
Tgt Ion:202 Resp: 10370

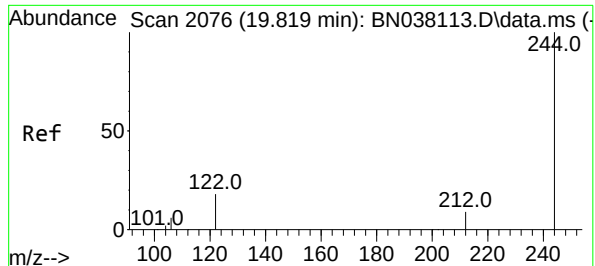
Ion Ratio Lower Upper

202 100

200 21.3 16.7 25.1

203 18.0 14.2 21.2

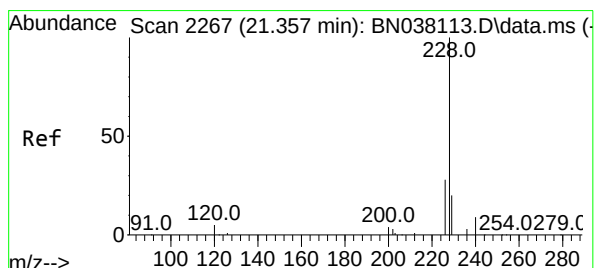
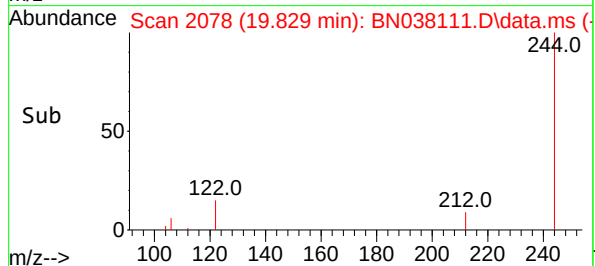
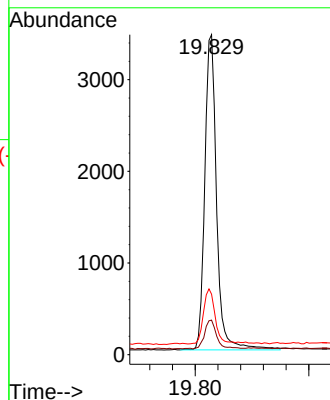
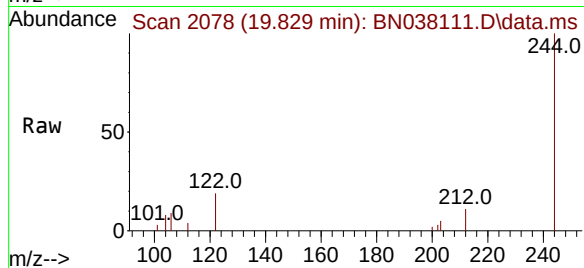




#31
Terphenyl-d14
Concen: 0.101 ng
RT: 19.829 min Scan# 2076
Delta R.T. 0.009 min
Lab File: BN038111.D
Acq: 28 Oct 2025 13:00

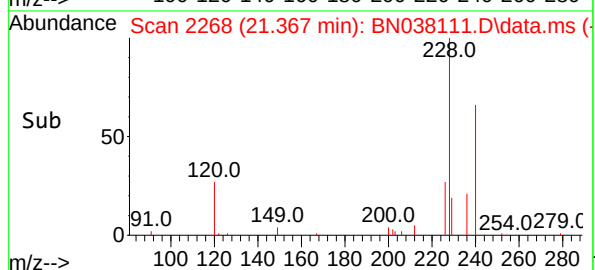
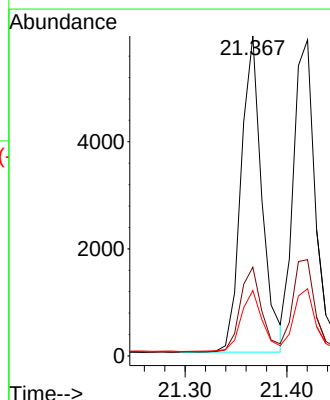
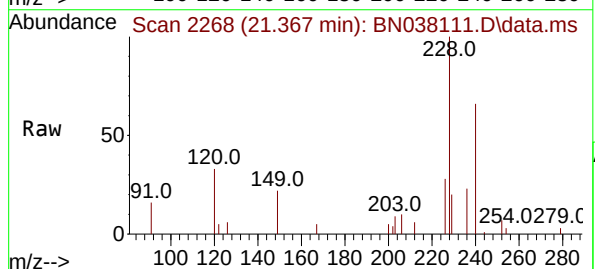
Instrument :
BNA_N
ClientSampleId :
SSTDICC0.1

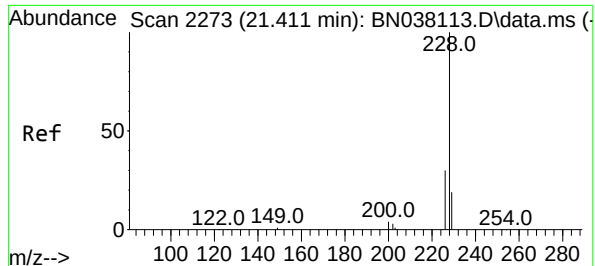
Tgt Ion:244 Resp: 4967
Ion Ratio Lower Upper
244 100
212 10.8 7.8 11.6
122 18.9 15.2 22.8



#32
Benzo(a)anthracene
Concen: 0.104 ng
RT: 21.367 min Scan# 2268
Delta R.T. 0.009 min
Lab File: BN038111.D
Acq: 28 Oct 2025 13:00

Tgt Ion:228 Resp: 8433
Ion Ratio Lower Upper
228 100
226 27.7 22.2 33.4
229 20.5 15.8 23.8

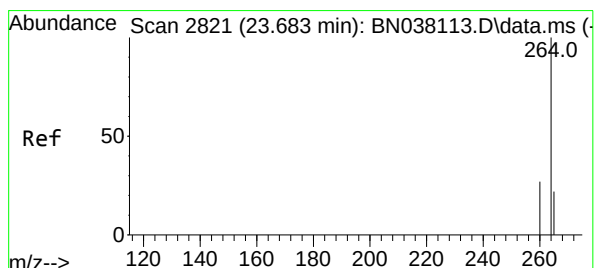
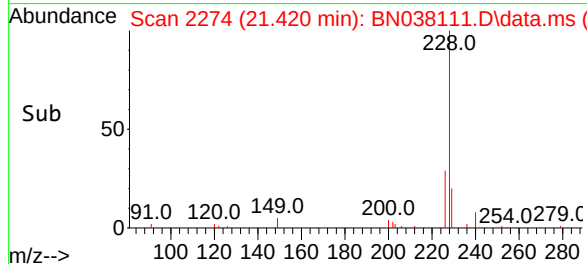
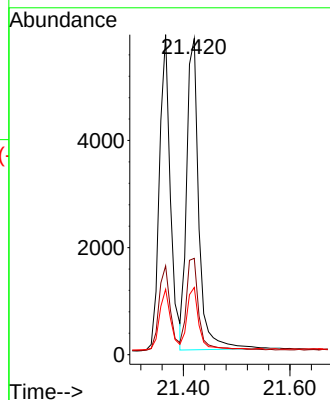
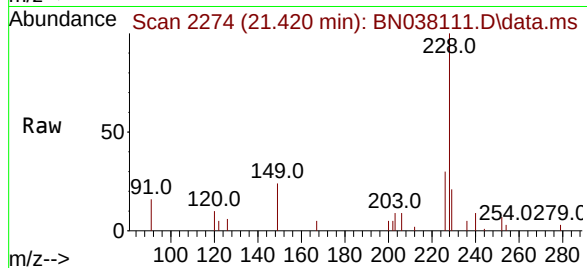




#33
Chrysene
Concen: 0.105 ng
RT: 21.420 min Scan# 21
Delta R.T. 0.009 min
Lab File: BN038111.D
Acq: 28 Oct 2025 13:00

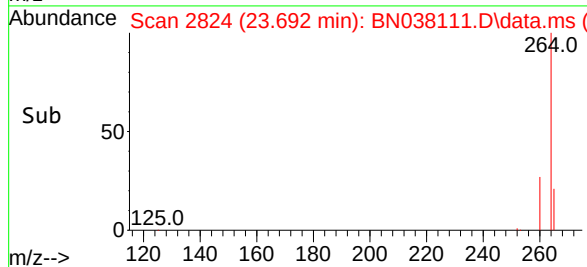
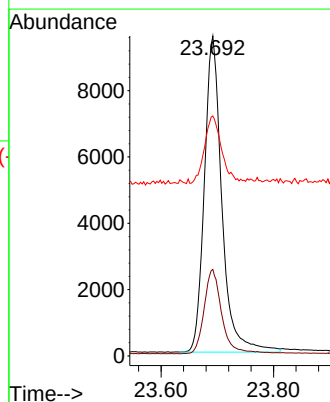
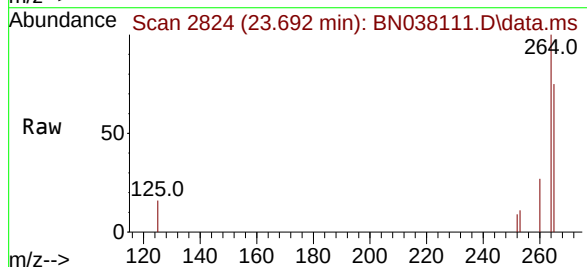
Instrument :
BNA_N
ClientSampleId :
SSTDICC0.1

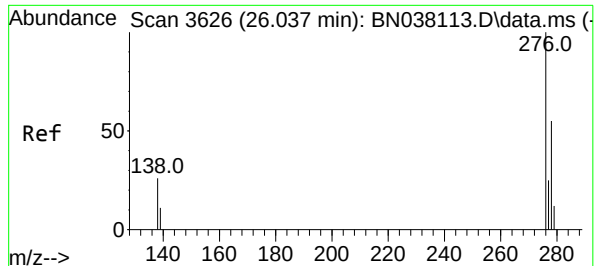
Tgt Ion:228 Resp: 9181
Ion Ratio Lower Upper
228 100
226 30.5 24.3 36.5
229 21.3 15.7 23.5



#35
Perylene-d12
Concen: 0.400 ng
RT: 23.692 min Scan# 2824
Delta R.T. 0.012 min
Lab File: BN038111.D
Acq: 28 Oct 2025 13:00

Tgt Ion:264 Resp: 20615
Ion Ratio Lower Upper
264 100
260 27.0 21.8 32.8
265 75.0 68.6 102.8





#36

Indeno(1,2,3-cd)pyrene

Concen: 0.093 ng

RT: 26.048 min Scan# 3630

Delta R.T. 0.015 min

Lab File: BN038111.D

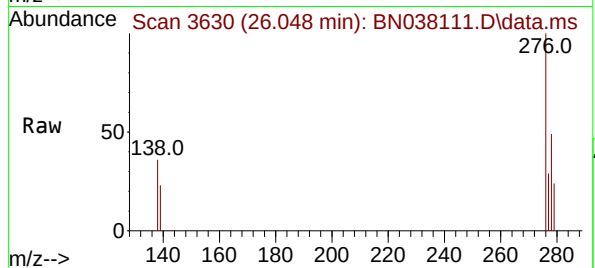
Acq: 28 Oct 2025 13:00

Instrument :

BNA_N

ClientSampleId :

SSTDICC0.1



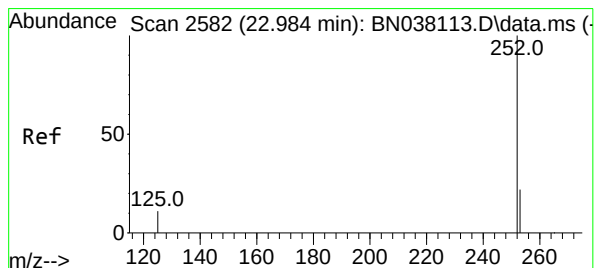
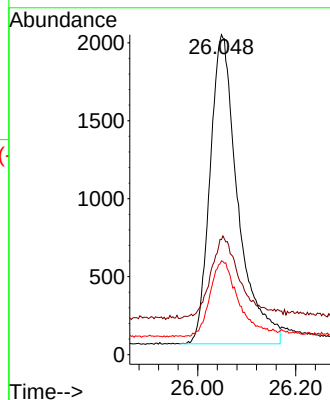
Tgt Ion:276 Resp: 7839

Ion Ratio Lower Upper

276 100

138 25.8 21.4 32.0

277 24.8 19.2 28.8



#37

Benzo(b)fluoranthene

Concen: 0.094 ng

RT: 22.993 min Scan# 2585

Delta R.T. 0.012 min

Lab File: BN038111.D

Acq: 28 Oct 2025 13:00

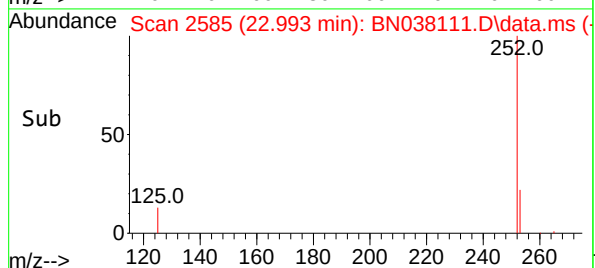
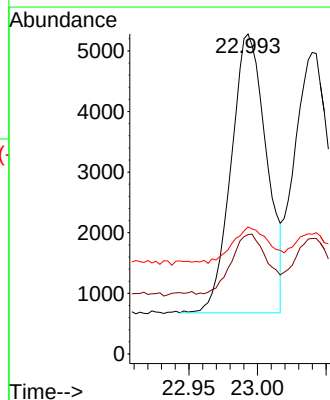
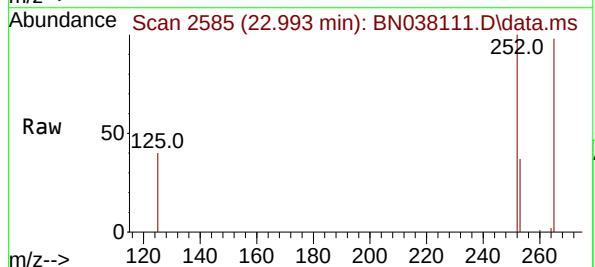
Tgt Ion:252 Resp: 8261

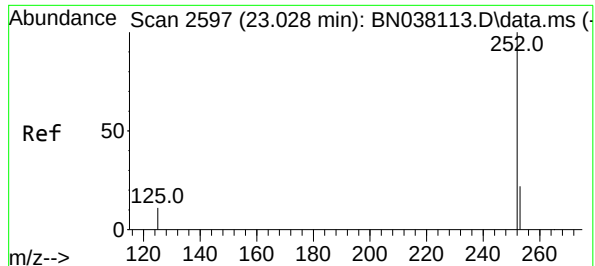
Ion Ratio Lower Upper

252 100

253 37.3 20.9 31.3#

125 39.7 14.1 21.1#





#38

Benzo(k)fluoranthene

Concen: 0.096 ng

RT: 23.040 min Scan# 2

Delta R.T. 0.012 min

Lab File: BN038111.D

Acq: 28 Oct 2025 13:00

Instrument :

BNA_N

ClientSampleId :

SSTDICC0.1

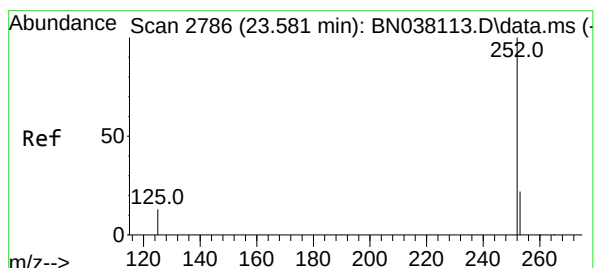
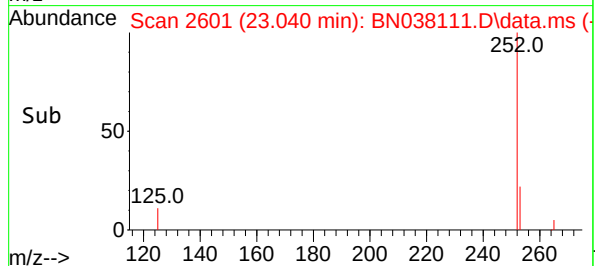
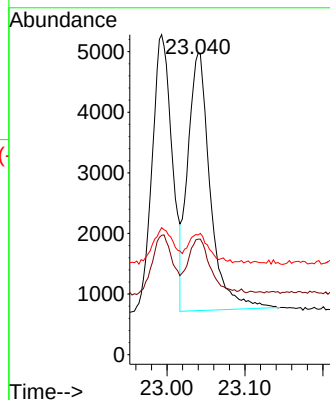
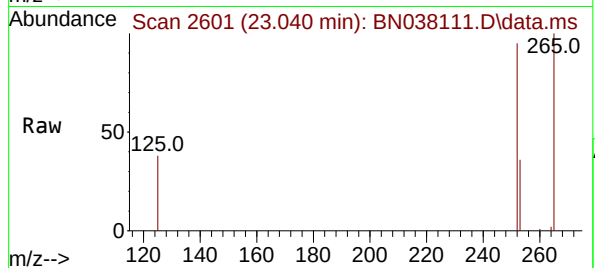
Tgt Ion:252 Resp: 8515

Ion Ratio Lower Upper

252 100

253 38.3 21.2 31.8#

125 39.7 14.6 22.0#



#39

Benzo(a)pyrene

Concen: 0.098 ng

RT: 23.590 min Scan# 2789

Delta R.T. 0.012 min

Lab File: BN038111.D

Acq: 28 Oct 2025 13:00

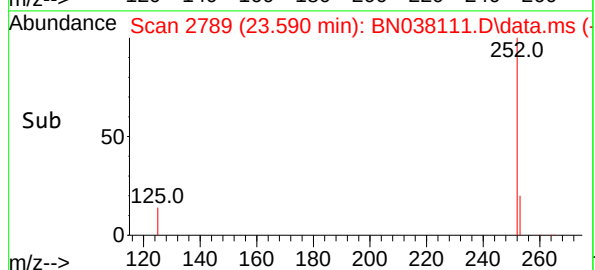
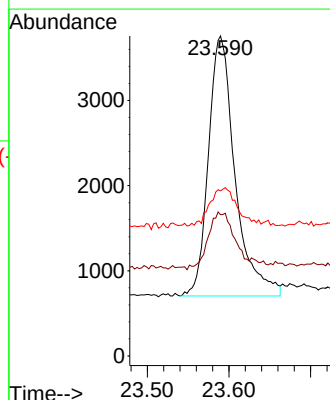
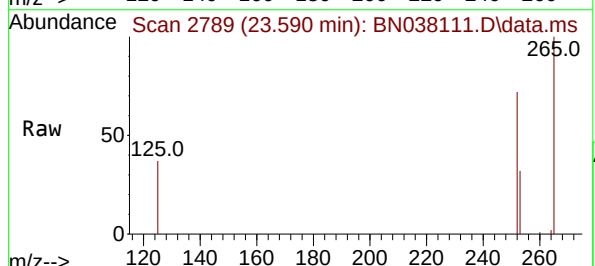
Tgt Ion:252 Resp: 6927

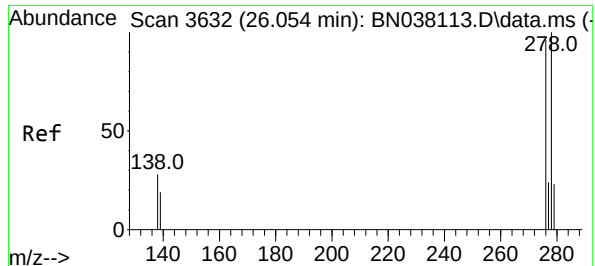
Ion Ratio Lower Upper

252 100

253 44.2 23.1 34.7#

125 51.6 18.6 28.0#





#40

Dibenzo(a,h)anthracene

Concen: 0.091 ng

RT: 26.072 min Scan# 3

Delta R.T. 0.023 min

Lab File: BN038111.D

Acq: 28 Oct 2025 13:00

Instrument :

BNA_N

ClientSampleId :

SSTDICC0.1

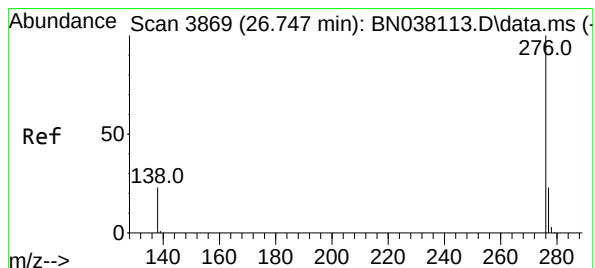
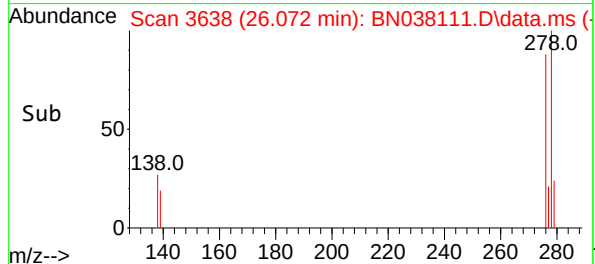
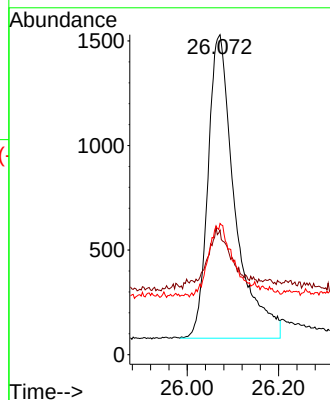
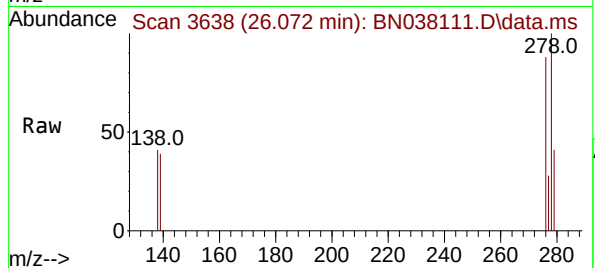
Tgt Ion:278 Resp: 5922

Ion Ratio Lower Upper

278 100

139 38.9 17.6 26.4#

279 41.0 22.6 33.8#



#41

Benzo(g,h,i)perylene

Concen: 0.097 ng

RT: 26.765 min Scan# 3875

Delta R.T. 0.015 min

Lab File: BN038111.D

Acq: 28 Oct 2025 13:00

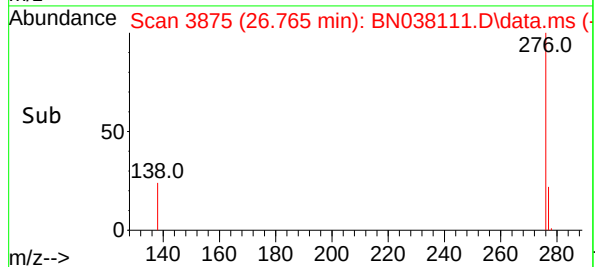
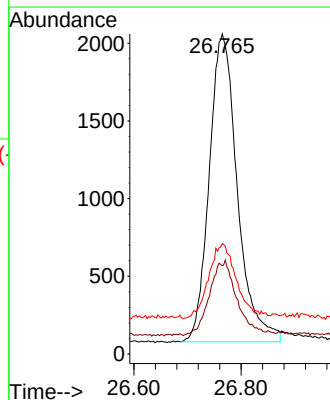
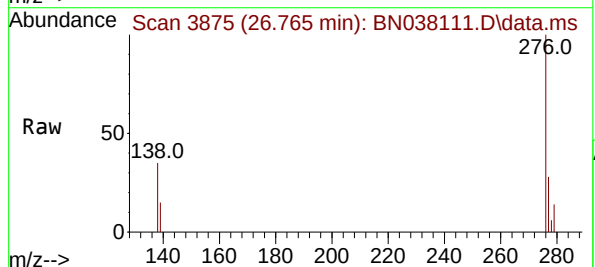
Tgt Ion:276 Resp: 7227

Ion Ratio Lower Upper

276 100

277 27.6 19.7 29.5

138 34.5 20.2 30.4#



Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN102825\
 Data File : BN038112.D
 Acq On : 28 Oct 2025 13:36
 Operator : RC/JU
 Sample : SSTDICC0.2
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 SSTDICC0.2

Quant Time: Oct 28 17:31:38 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN102825.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Oct 28 17:15:13 2025
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.782	152	9322	0.400	ng	0.00
7) Naphthalene-d8	10.584	136	28183	0.400	ng	0.01
13) Acenaphthene-d10	14.441	164	15941	0.400	ng	0.01
19) Phenanthrene-d10	17.186	188	31512	0.400	ng	0.00
29) Chrysene-d12	21.375	240	23080	0.400	ng	0.00
35) Perylene-d12	23.683	264	20598	0.400	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.348	112	4536	0.207	ng	0.00
5) Phenol-d6	6.937	99	5284	0.198	ng	0.00
8) Nitrobenzene-d5	8.929	82	4403	0.194	ng	0.00
11) 2-Methylnaphthalene-d10	12.177	152	8012	0.199	ng	0.00
14) 2,4,6-Tribromophenol	15.932	330	1201	0.183	ng	0.00
15) 2-Fluorobiphenyl	13.062	172	13145	0.206	ng	0.01
27) Fluoranthene-d10	19.225	212	15247	0.192	ng	0.00
31) Terphenyl-d14	19.824	244	10170	0.203	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.254	88	2078	0.216	ng	95
3) n-Nitrosodimethylamine	3.564	42	2463	0.199	ng	# 98
6) bis(2-Chloroethyl)ether	7.197	93	5312	0.202	ng	99
9) Naphthalene	10.626	128	15455	0.199	ng	98
10) Hexachlorobutadiene	10.925	225	2632	0.201	ng	# 97
12) 2-Methylnaphthalene	12.253	142	10027	0.194	ng	99
16) Acenaphthylene	14.152	152	13787	0.191	ng	99
17) Acenaphthene	14.505	154	9898	0.196	ng	100
18) Fluorene	15.489	166	13019	0.197	ng	100
20) 4,6-Dinitro-2-methylph...	15.560	198	639	0.238	ng	# 40
21) 4-Bromophenyl-phenylether	16.379	248	3948	0.191	ng	98
22) Hexachlorobenzene	16.503	284	4594	0.196	ng	99
23) Atrazine	16.652	200	2774	0.183	ng	98
24) Pentachlorophenol	16.838	266	1769	0.175	ng	98
25) Phenanthrene	17.223	178	19374	0.194	ng	100
26) Anthracene	17.322	178	16201	0.185	ng	99
28) Fluoranthene	19.253	202	21232	0.190	ng	99
30) Pyrene	19.615	202	21387	0.205	ng	100
32) Benzo(a)anthracene	21.358	228	15917	0.193	ng	99
33) Chrysene	21.411	228	18301	0.205	ng	99
34) Bis(2-ethylhexyl)phtha...	21.295	149	10496	0.242	ng	100
36) Indeno(1,2,3-cd)pyrene	26.039	276	15575	0.184	ng	99
37) Benzo(b)fluoranthene	22.984	252	15888	0.180	ng	# 90
38) Benzo(k)fluoranthene	23.031	252	16371	0.185	ng	# 91
39) Benzo(a)pyrene	23.584	252	13137	0.186	ng	# 84
40) Dibenzo(a,h)anthracene	26.057	278	11845	0.182	ng	95
41) Benzo(g,h,i)perylene	26.753	276	14055	0.189	ng	95

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

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.2

Abundance

TIC: BN038112.D\data.ms

Time-->

4.00 6.00 8.00 10.00 12.00 14.00 16.00 18.00 20.00 22.00 24.00 26.00 28.00

1,4-Dioxane
n-Nitrosodimethylamine

2-Fluorophenol

Phenol
bis(2-Chloroethyl)ether

1,4-Dichlorobenzene

Nitrobenzene

Hexachlorobutadiene

Naphthalene

2-Methylnaphthalene

2-Fluorobiphenyl

Acenaphthylene

Acenaphthene

Fluorene

4-Bromophenyl-phenylether

Anthracene

Phenanthrene

Fluoranthene

Pyrene

Bis(2-ethylhexyl)phthalate

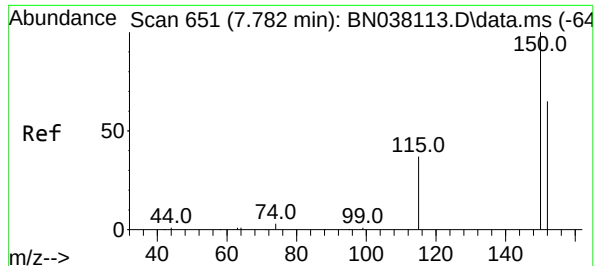
Benzo(a)pyrene

Benzo(a)fluoranthene

Perylene

Indeno(1,2,3-cd)pyrene

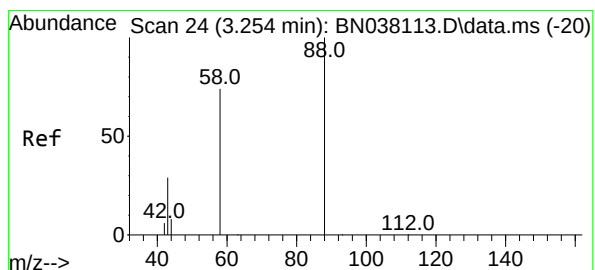
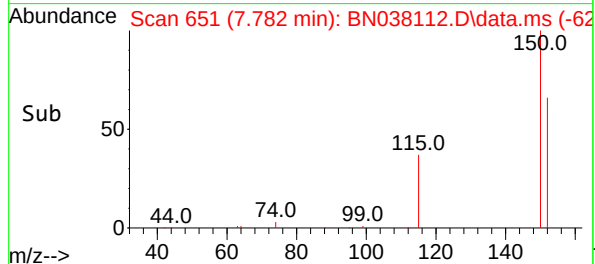
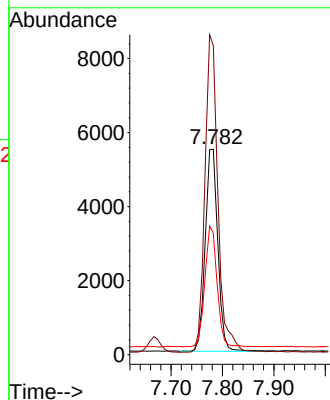
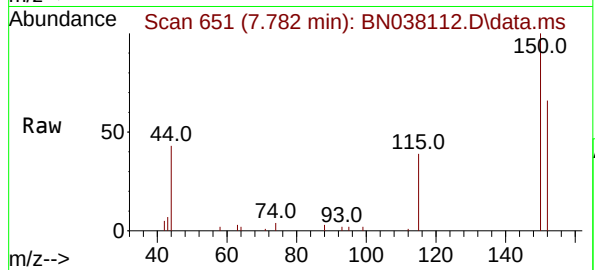
Benzo(g,h,i)perylene



#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.782 min Scan# 61
Delta R.T. 0.007 min
Lab File: BN038112.D
Acq: 28 Oct 2025 13:36

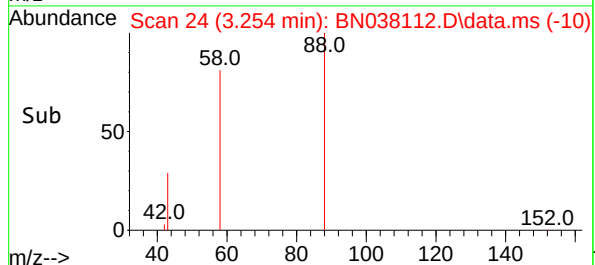
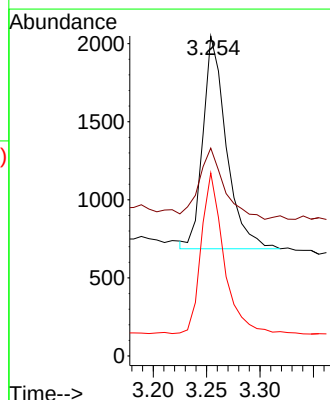
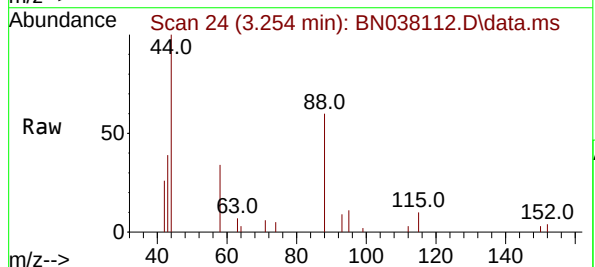
Instrument :
BNA_N
ClientSampleId :
SSTDICC0.2

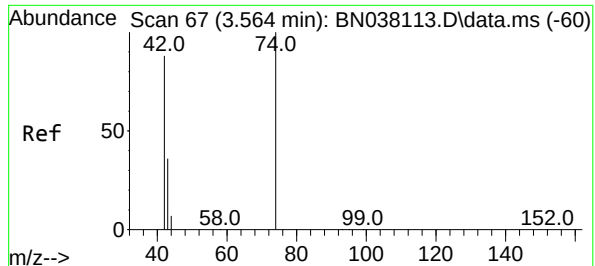
Tgt Ion:152 Resp: 9322
Ion Ratio Lower Upper
152 100
150 150.4 122.3 183.5
115 59.1 47.4 71.0



#2
1,4-Dioxane
Concen: 0.216 ng
RT: 3.254 min Scan# 24
Delta R.T. 0.000 min
Lab File: BN038112.D
Acq: 28 Oct 2025 13:36

Tgt Ion: 88 Resp: 2078
Ion Ratio Lower Upper
88 100
43 36.3 24.3 36.5
58 73.3 60.4 90.6

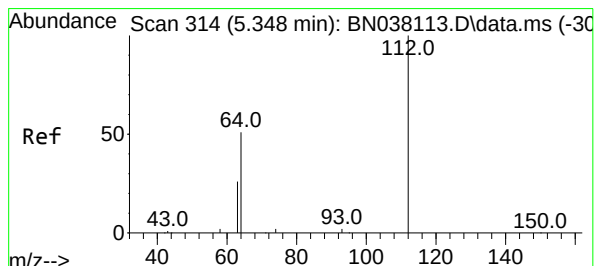
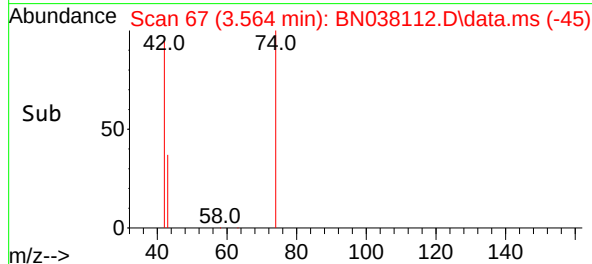
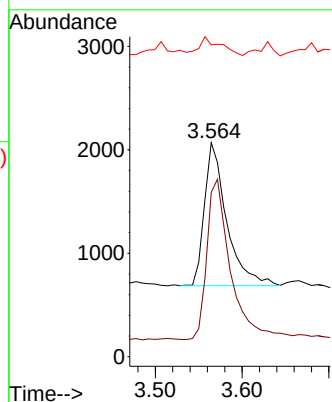
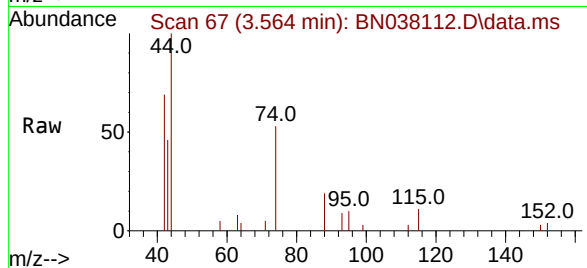




#3
n-Nitrosodimethylamine
Concen: 0.199 ng
RT: 3.564 min Scan# 61
Delta R.T. 0.007 min
Lab File: BN038112.D
Acq: 28 Oct 2025 13:36

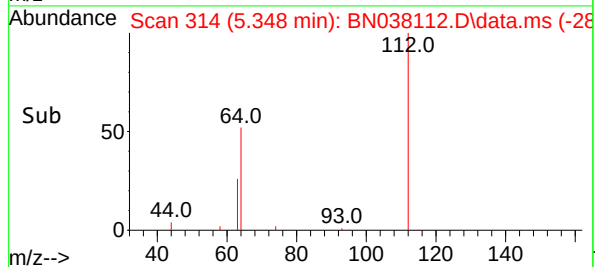
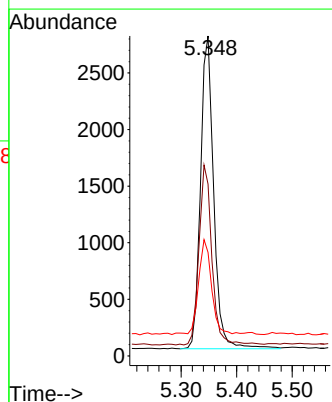
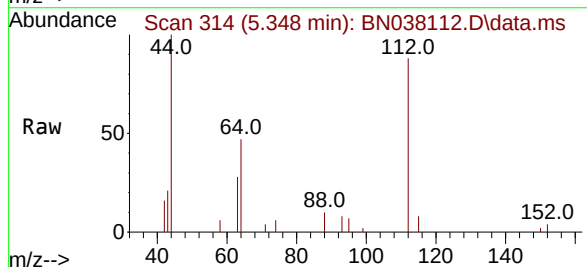
Instrument :
BNA_N
ClientSampleId :
SSTDICC0.2

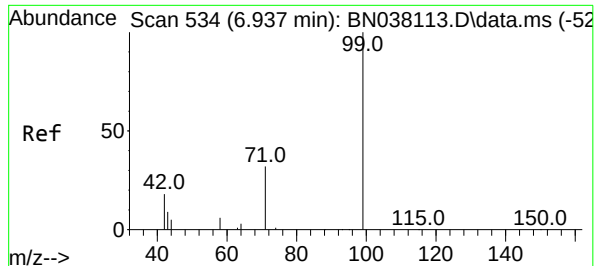
Tgt Ion: 42 Resp: 2463
Ion Ratio Lower Upper
42 100
74 121.8 96.8 145.2
44 12.3 5.3 7.9#



#4
2-Fluorophenol
Concen: 0.207 ng
RT: 5.348 min Scan# 314
Delta R.T. 0.000 min
Lab File: BN038112.D
Acq: 28 Oct 2025 13:36

Tgt Ion: 112 Resp: 4536
Ion Ratio Lower Upper
112 100
64 56.6 45.4 68.0
63 30.2 23.2 34.8





#5

Phenol-d6

Concen: 0.198 ng

RT: 6.937 min Scan# 51

Delta R.T. 0.000 min

Lab File: BN038112.D

Acq: 28 Oct 2025 13:36

Instrument :

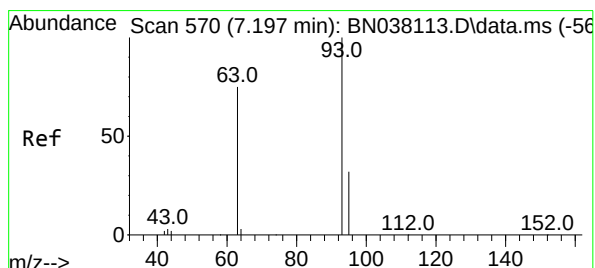
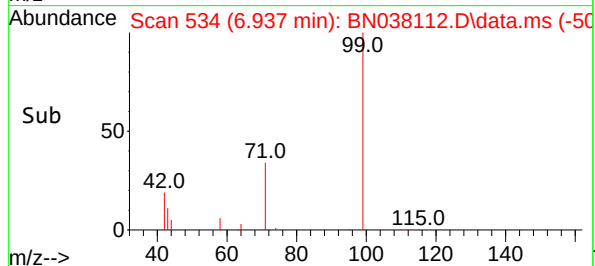
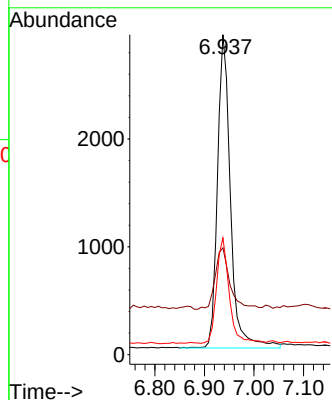
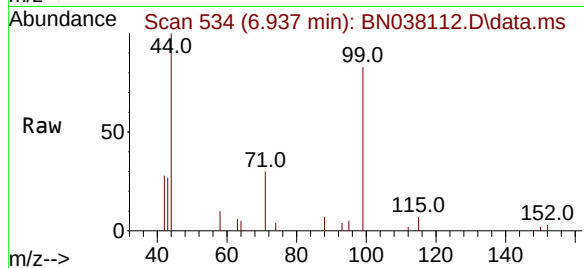
BNA_N

ClientSampleId :

SSTDICC0.2

Tgt Ion: 99 Resp: 5284

Ion	Ratio	Lower	Upper
99	100		
42	22.1	16.6	24.8
71	32.7	25.4	38.2



#6

bis(2-Chloroethyl)ether

Concen: 0.202 ng

RT: 7.197 min Scan# 570

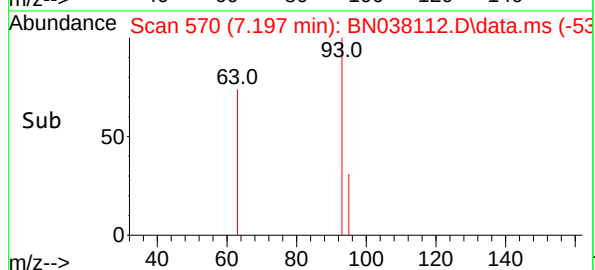
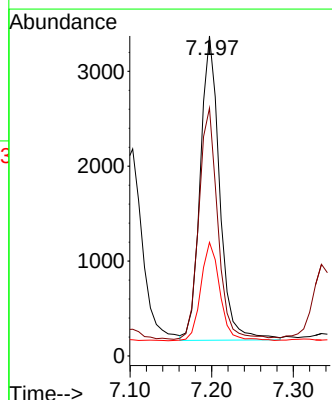
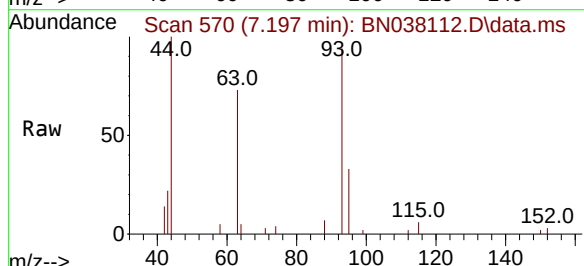
Delta R.T. 0.000 min

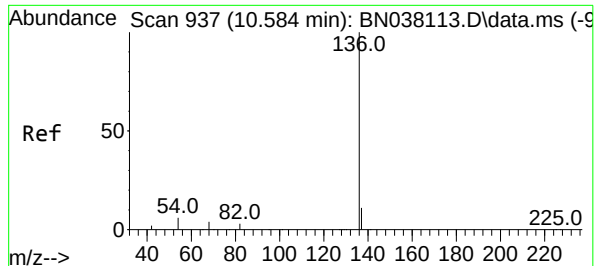
Lab File: BN038112.D

Acq: 28 Oct 2025 13:36

Tgt Ion: 93 Resp: 5312

Ion	Ratio	Lower	Upper
93	100		
63	74.3	59.3	88.9
95	32.2	25.2	37.8

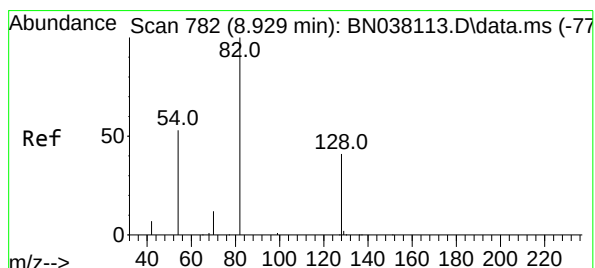
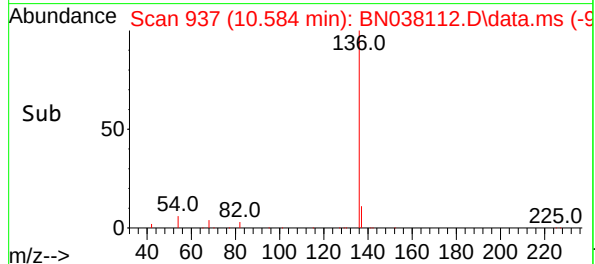
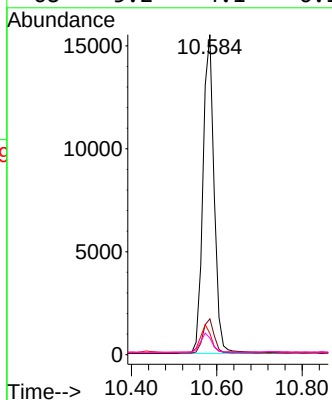
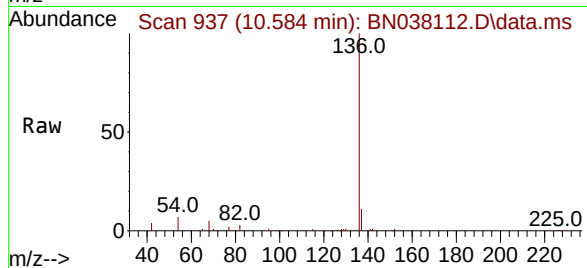




#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.584 min Scan# 91
Delta R.T. 0.011 min
Lab File: BN038112.D
Acq: 28 Oct 2025 13:36

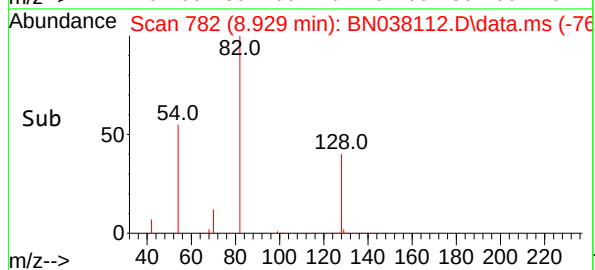
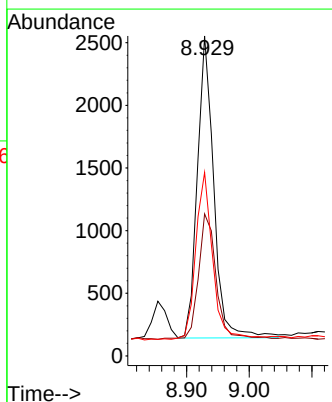
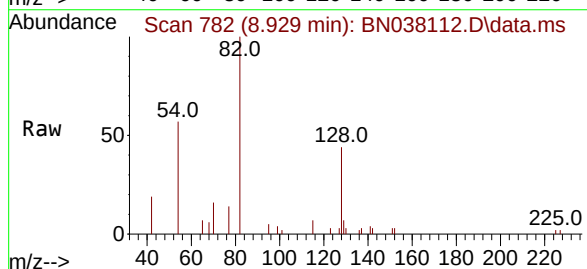
Instrument :
BNA_N
ClientSampleId :
SSTDICC0.2

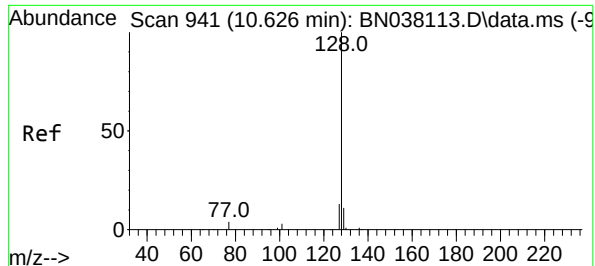
Tgt Ion:	136	Resp:	28183
Ion	Ratio	Lower	Upper
136	100		
137	11.2	9.0	13.4
54	6.6	5.2	7.8
68	5.2	4.1	6.1



#8
Nitrobenzene-d5
Concen: 0.194 ng
RT: 8.929 min Scan# 782
Delta R.T. 0.000 min
Lab File: BN038112.D
Acq: 28 Oct 2025 13:36

Tgt Ion:	82	Resp:	4403
Ion	Ratio	Lower	Upper
82	100		
128	44.4	34.1	51.1
54	57.3	43.5	65.3

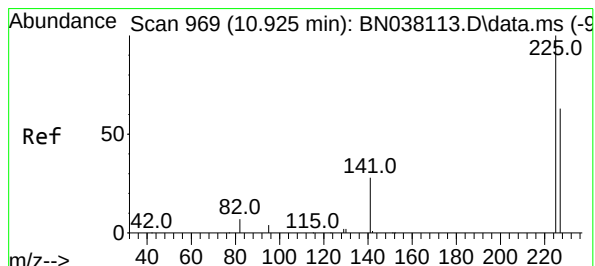
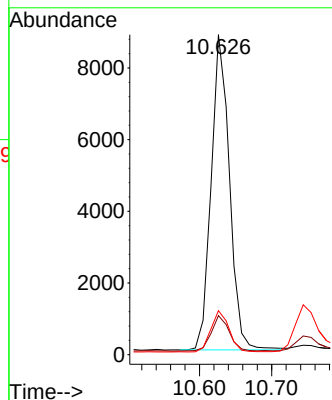
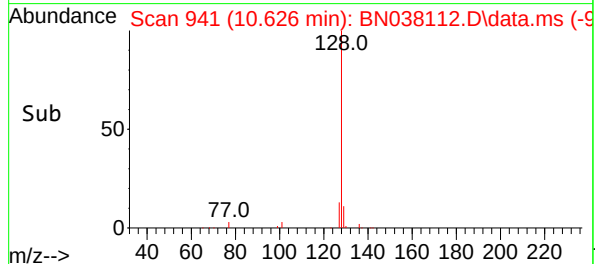
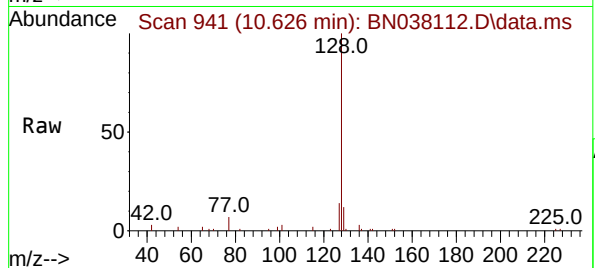




#9
Naphthalene
Concen: 0.199 ng
RT: 10.626 min Scan# 941
Delta R.T. 0.000 min
Lab File: BN038112.D
Acq: 28 Oct 2025 13:36

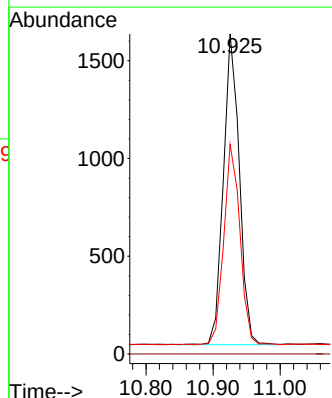
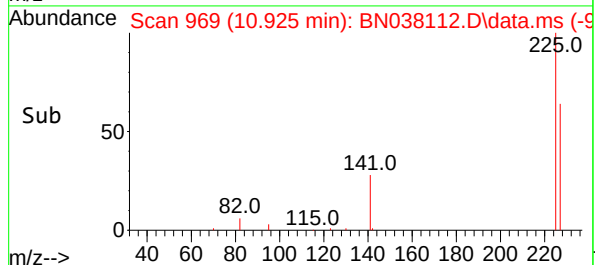
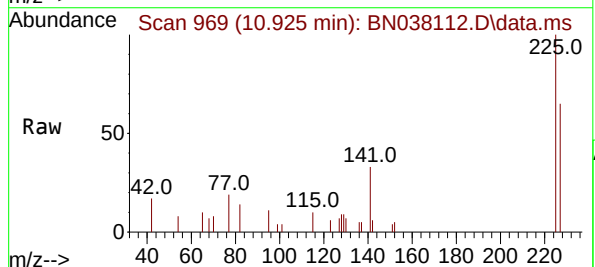
Instrument :
BNA_N
ClientSampleId :
SSTDICC0.2

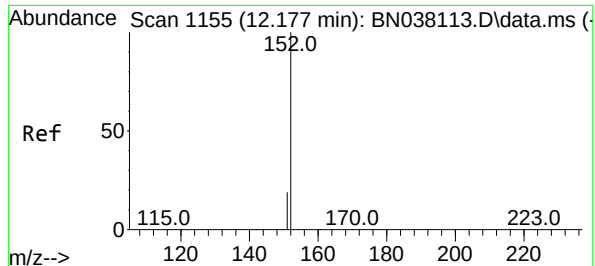
Tgt Ion:128 Resp: 15455
Ion Ratio Lower Upper
128 100
129 12.2 9.1 13.7
127 13.8 10.5 15.7



#10
Hexachlorobutadiene
Concen: 0.201 ng
RT: 10.925 min Scan# 969
Delta R.T. 0.000 min
Lab File: BN038112.D
Acq: 28 Oct 2025 13:36

Tgt Ion:225 Resp: 2632
Ion Ratio Lower Upper
225 100
223 0.0 0.0 0.0
227 65.1 50.3 75.5

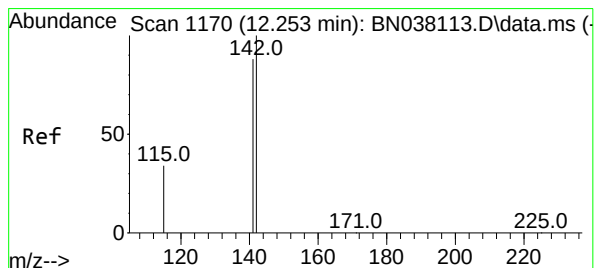
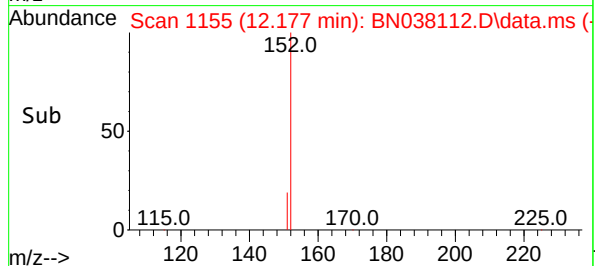
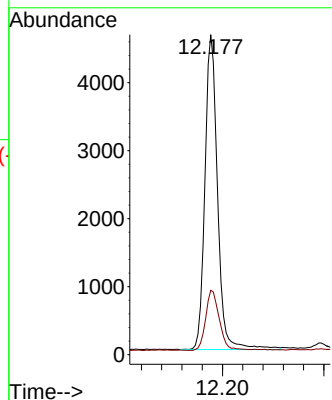
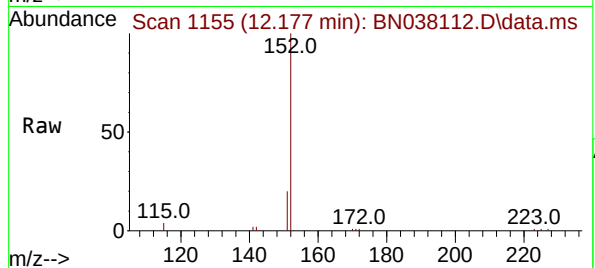




#11
2-Methylnaphthalene-d10
Concen: 0.199 ng
RT: 12.177 min Scan# 1155
Delta R.T. 0.000 min
Lab File: BN038112.D
Acq: 28 Oct 2025 13:36

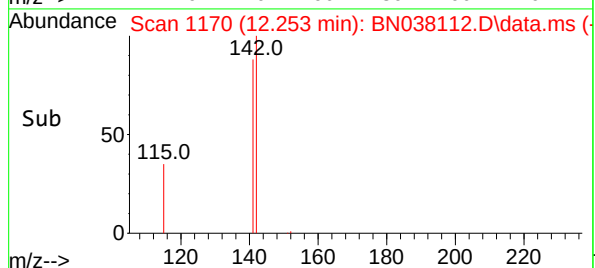
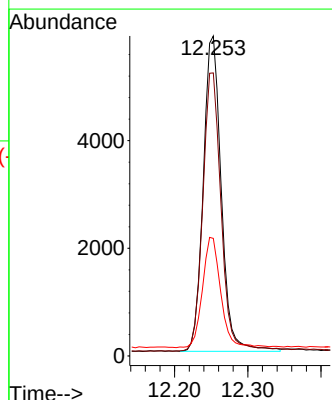
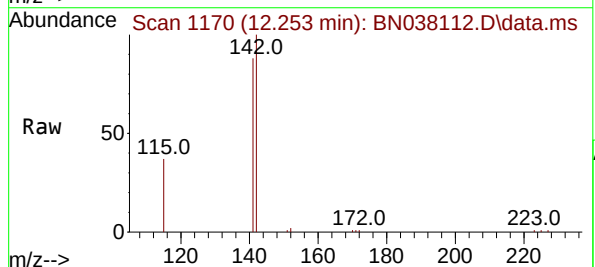
Instrument :
BNA_N
ClientSampleId :
SSTDICC0.2

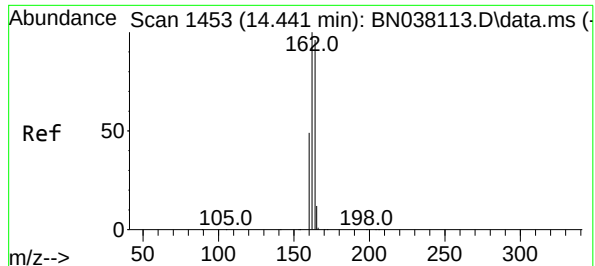
Tgt Ion:152 Resp: 8012
Ion Ratio Lower Upper
152 100
151 20.7 16.8 25.2



#12
2-Methylnaphthalene
Concen: 0.194 ng
RT: 12.253 min Scan# 1170
Delta R.T. 0.005 min
Lab File: BN038112.D
Acq: 28 Oct 2025 13:36

Tgt Ion:142 Resp: 10027
Ion Ratio Lower Upper
142 100
141 88.4 70.3 105.5
115 36.8 27.8 41.6

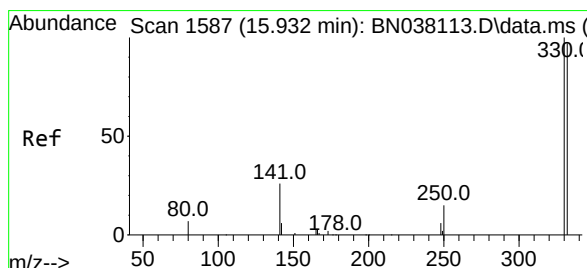
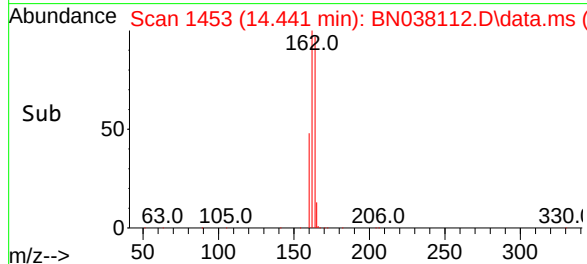
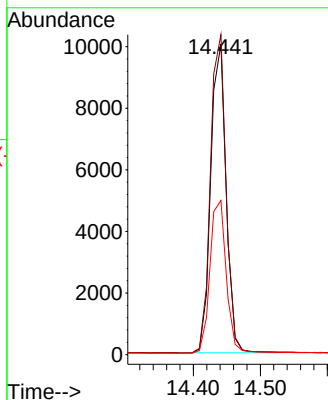
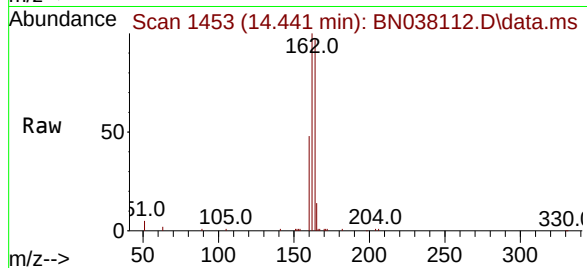




#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.441 min Scan# 1453
Delta R.T. 0.011 min
Lab File: BN038112.D
Acq: 28 Oct 2025 13:36

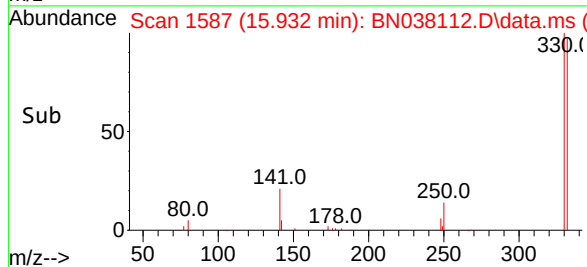
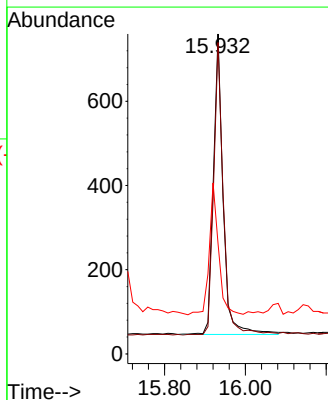
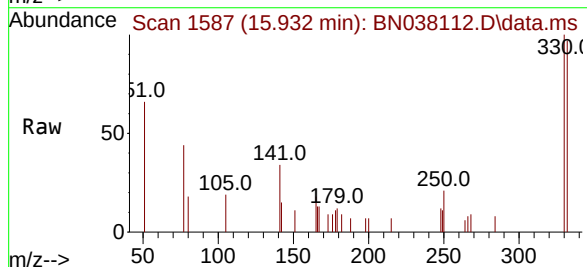
Instrument :
BNA_N
ClientSampleId :
SSTDICC0.2

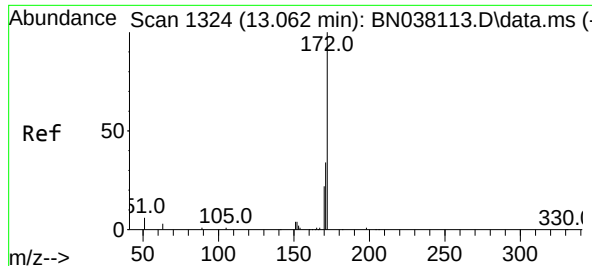
Tgt Ion	164	162	160
Resp:	15941		
Ion Ratio	100	103.1	49.6
Lower		83.0	40.7
Upper		124.4	61.1



#14
2,4,6-Tribromophenol
Concen: 0.183 ng
RT: 15.932 min Scan# 1587
Delta R.T. 0.000 min
Lab File: BN038112.D
Acq: 28 Oct 2025 13:36

Tgt Ion	330	332	141
Resp:	1201		
Ion Ratio	100	96.6	41.5
Lower		76.6	34.1
Upper		114.8	51.1

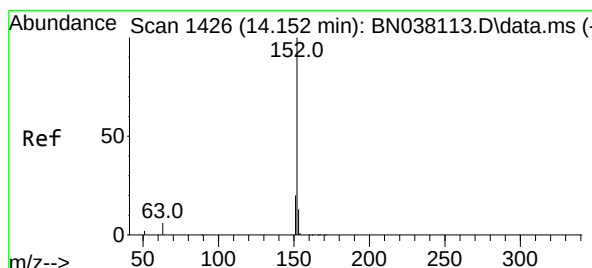
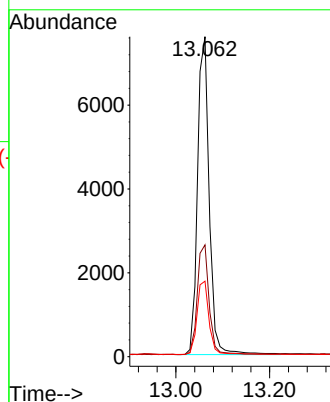
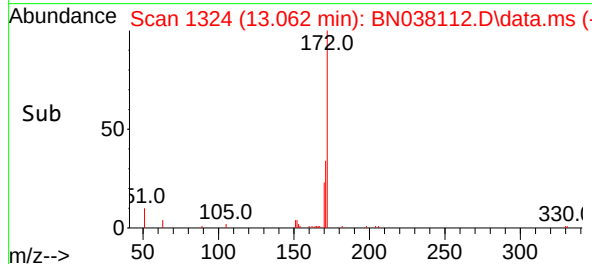
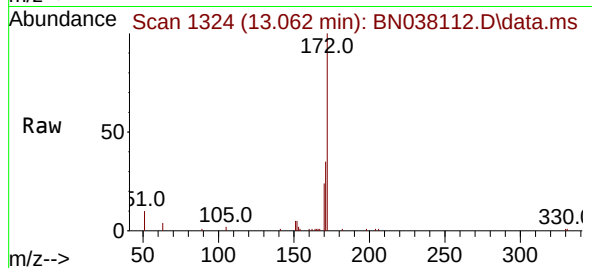




#15
2-Fluorobiphenyl
Concen: 0.206 ng
RT: 13.062 min Scan# 1324
Delta R.T. 0.011 min
Lab File: BN038112.D
Acq: 28 Oct 2025 13:36

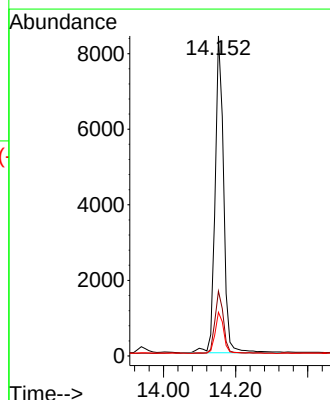
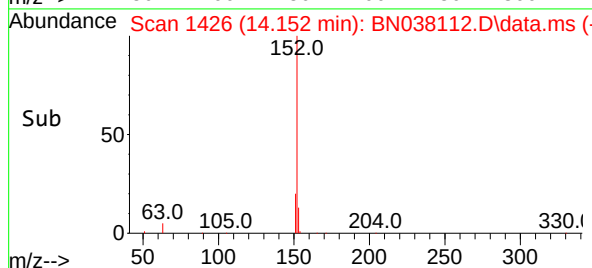
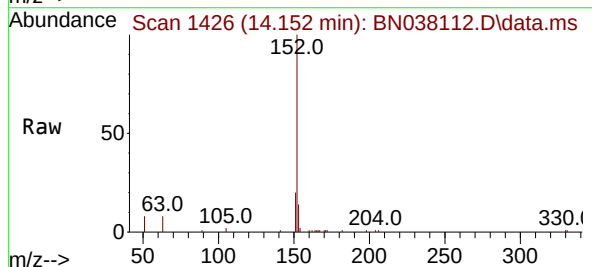
Instrument :
BNA_N
ClientSampleId :
SSTDICC0.2

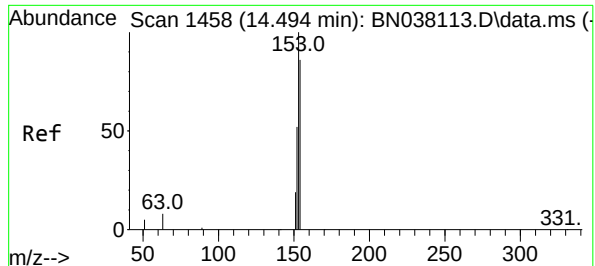
Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.0	27.8	41.6
170	23.6	18.1	27.1



#16
Acenaphthylene
Concen: 0.191 ng
RT: 14.152 min Scan# 1426
Delta R.T. 0.000 min
Lab File: BN038112.D
Acq: 28 Oct 2025 13:36

Tgt Ion	Ratio	Lower	Upper
152	100		
151	19.6	15.8	23.8
153	13.0	10.2	15.2

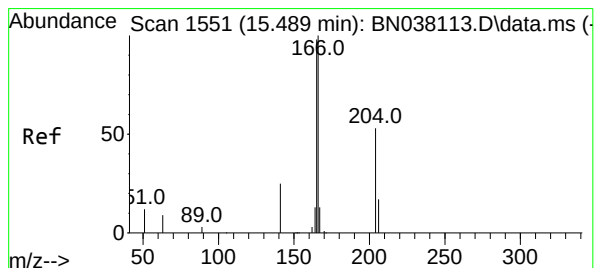
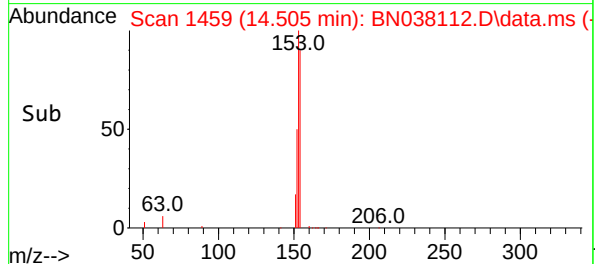
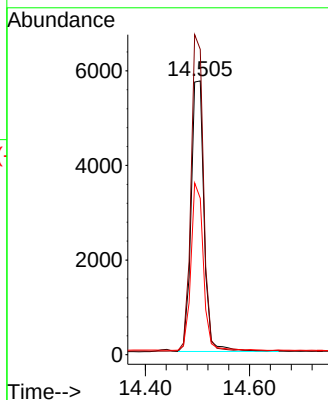
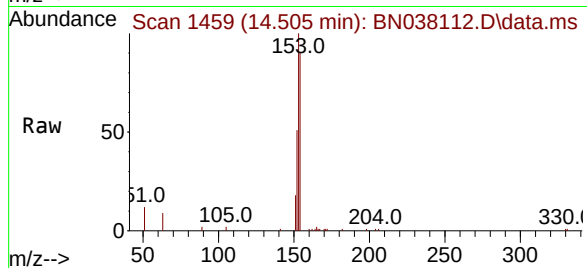




#17
Acenaphthene
Concen: 0.196 ng
RT: 14.505 min Scan# 1459
Delta R.T. 0.011 min
Lab File: BN038112.D
Acq: 28 Oct 2025 13:36

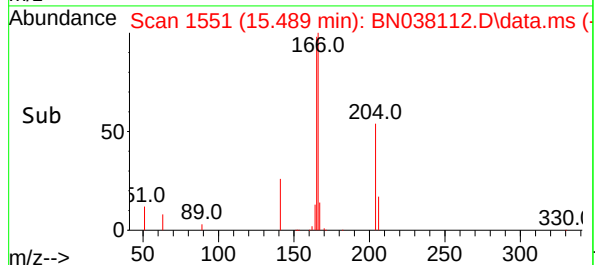
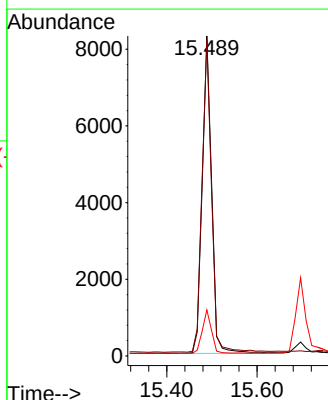
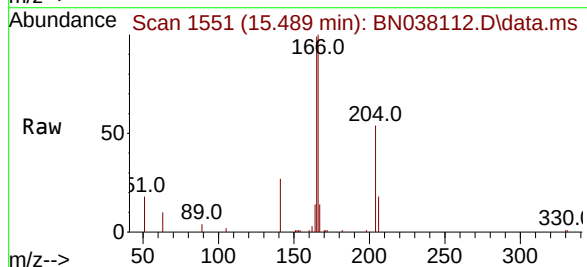
Instrument :
BNA_N
ClientSampleId :
SSTDICC0.2

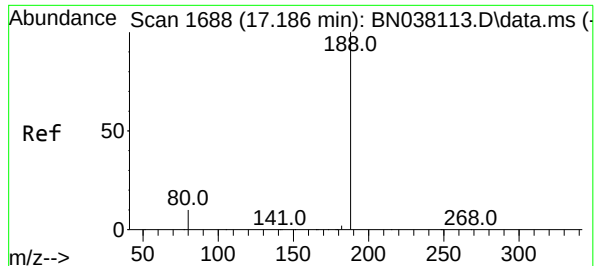
Tgt Ion:154 Resp: 9898
Ion Ratio Lower Upper
154 100
153 112.7 90.0 135.0
152 58.9 47.3 70.9



#18
Fluorene
Concen: 0.197 ng
RT: 15.489 min Scan# 1551
Delta R.T. -0.000 min
Lab File: BN038112.D
Acq: 28 Oct 2025 13:36

Tgt Ion:166 Resp: 13019
Ion Ratio Lower Upper
166 100
165 98.6 79.0 118.4
167 13.4 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: BN038112.D

Acq: 28 Oct 2025 13:36

Instrument :

BNA_N

ClientSampleId :

SSTDICC0.2

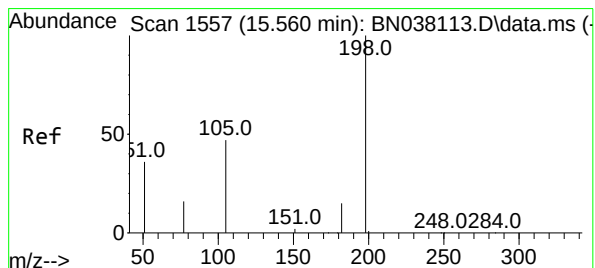
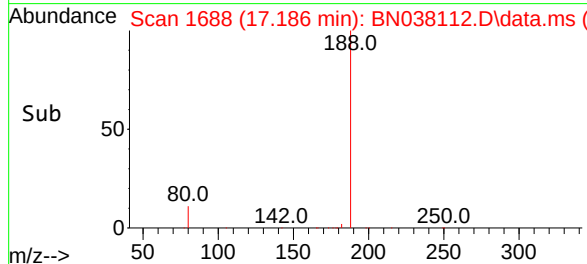
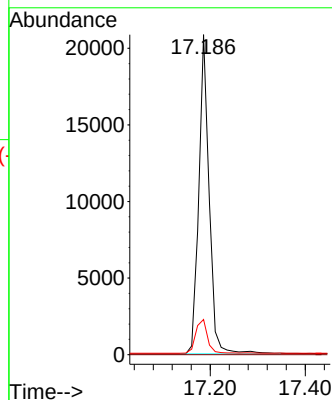
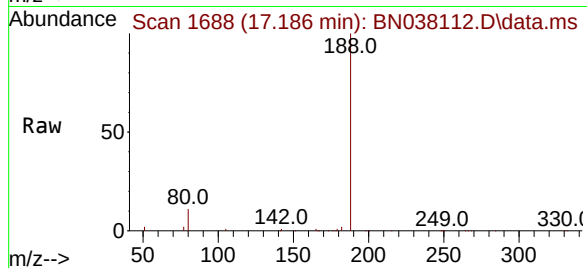
Tgt Ion:188 Resp: 31512

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

80 11.0 8.6 13.0



#20

4,6-Dinitro-2-methylphenol

Concen: 0.238 ng

RT: 15.560 min Scan# 1557

Delta R.T. -0.000 min

Lab File: BN038112.D

Acq: 28 Oct 2025 13:36

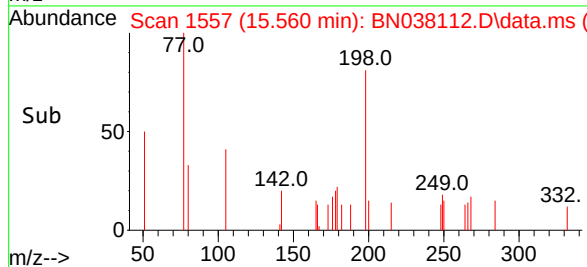
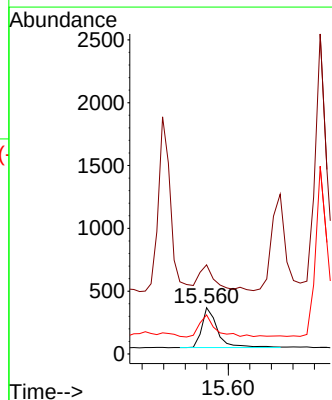
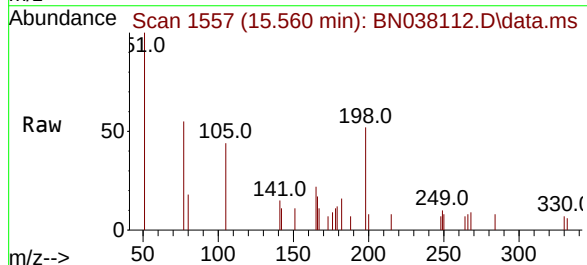
Tgt Ion:198 Resp: 639

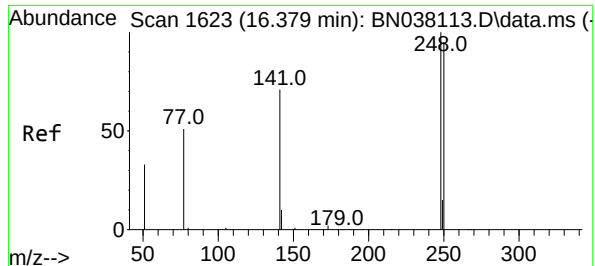
Ion Ratio Lower Upper

198 100

51 192.9 88.9 133.3#

105 84.5 49.2 73.8#

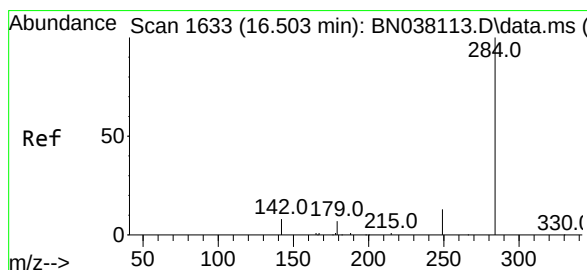
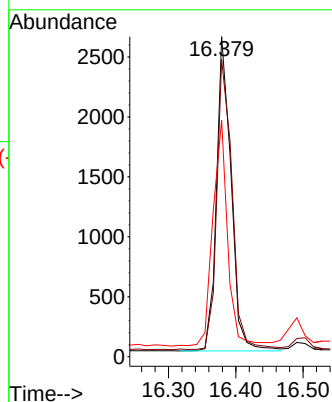
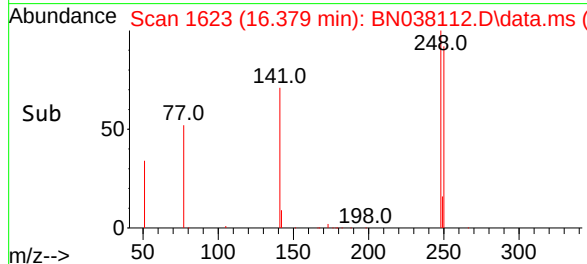
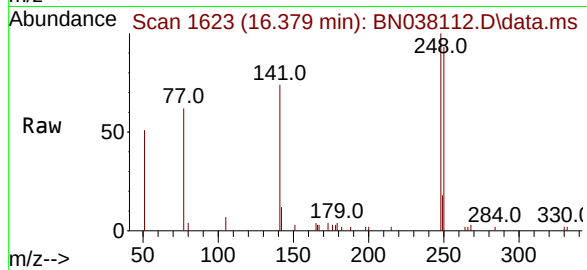




#21
4-Bromophenyl-phenylether
Concen: 0.191 ng
RT: 16.379 min Scan# 1623
Delta R.T. 0.000 min
Lab File: BN038112.D
Acq: 28 Oct 2025 13:36

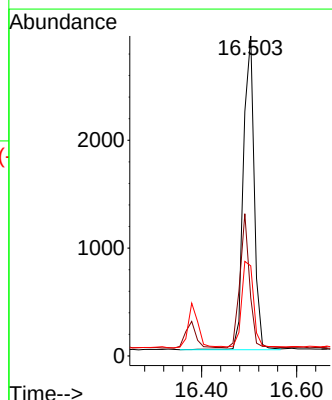
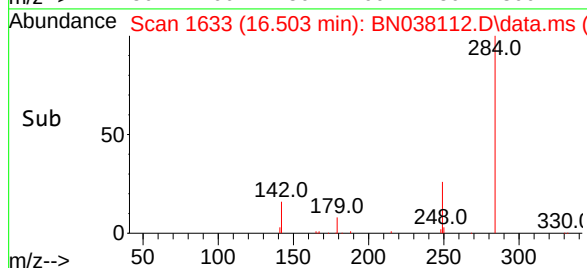
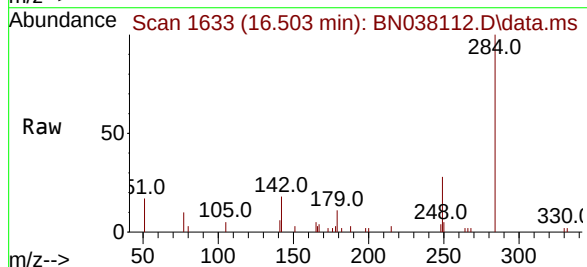
Instrument :
BNA_N
ClientSampleId :
SSTDICC0.2

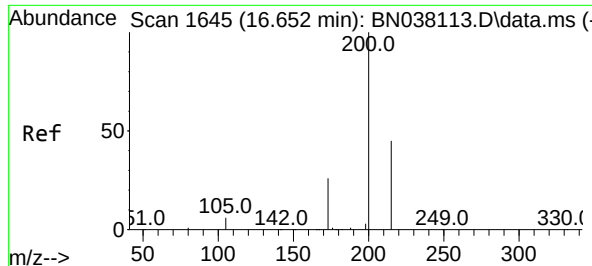
Tgt Ion	Ratio	Lower	Upper
248	100		
250	92.8	76.2	114.2
141	73.9	57.6	86.4



#22
Hexachlorobenzene
Concen: 0.196 ng
RT: 16.503 min Scan# 1633
Delta R.T. 0.000 min
Lab File: BN038112.D
Acq: 28 Oct 2025 13:36

Tgt Ion	Ratio	Lower	Upper
284	100		
142	38.0	30.5	45.7
249	30.1	23.5	35.3

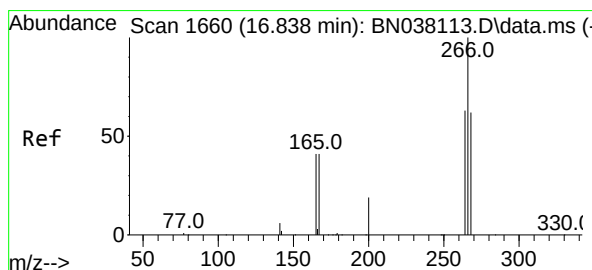
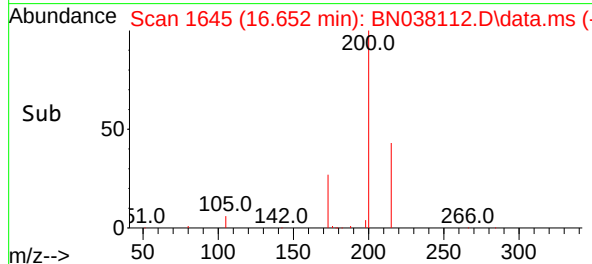
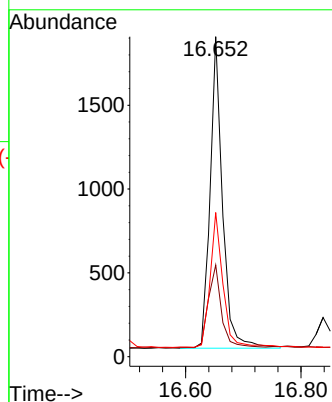
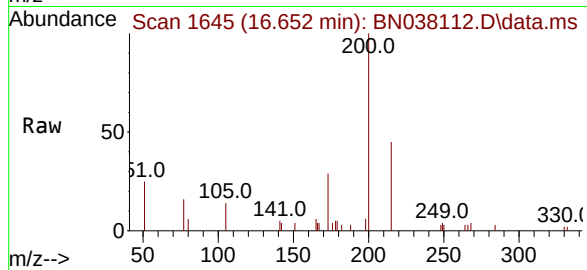




#23
Atrazine
Concen: 0.183 ng
RT: 16.652 min Scan# 1645
Delta R.T. 0.000 min
Lab File: BN038112.D
Acq: 28 Oct 2025 13:36

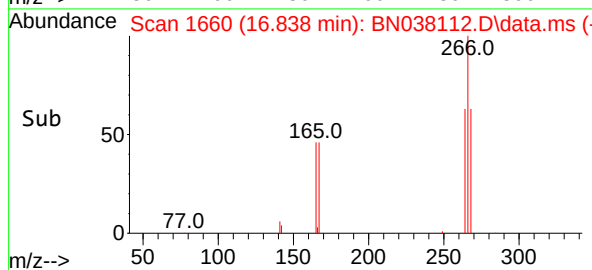
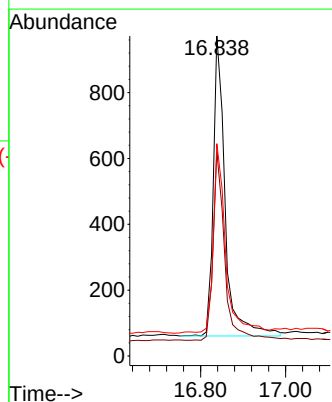
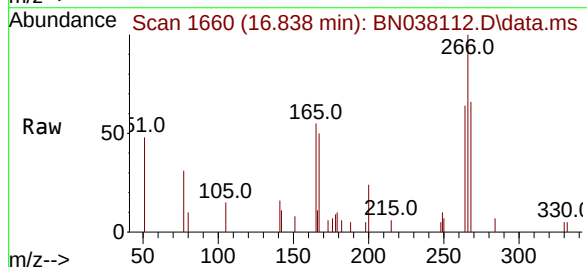
Instrument :
BNA_N
ClientSampleId :
SSTDICC0.2

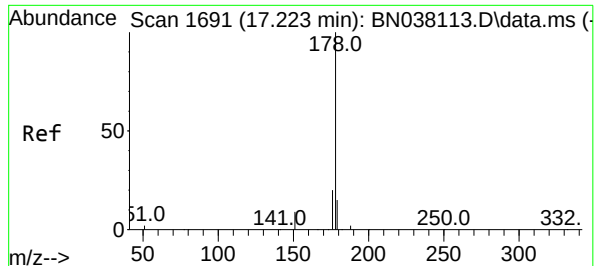
Tgt Ion	Ratio	Lower	Upper
200	100		
173	28.7	21.4	32.2
215	45.0	36.7	55.1



#24
Pentachlorophenol
Concen: 0.175 ng
RT: 16.838 min Scan# 1660
Delta R.T. 0.000 min
Lab File: BN038112.D
Acq: 28 Oct 2025 13:36

Tgt Ion	Ratio	Lower	Upper
266	100		
264	61.0	49.3	73.9
268	65.9	50.6	75.8

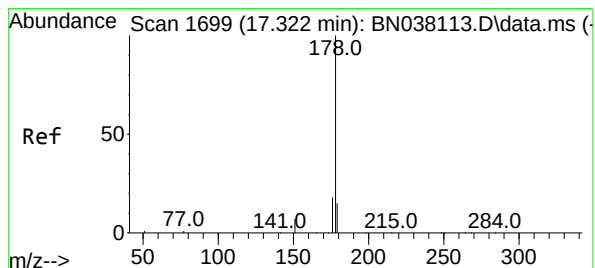
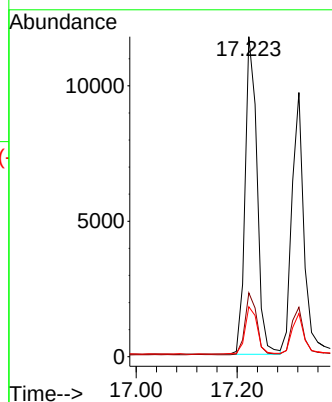
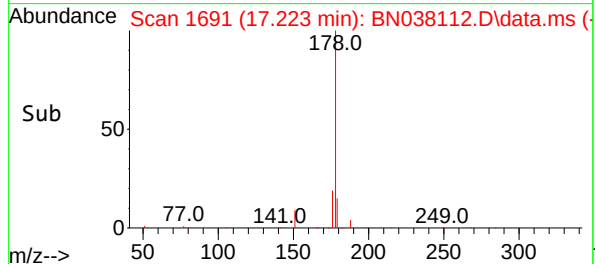
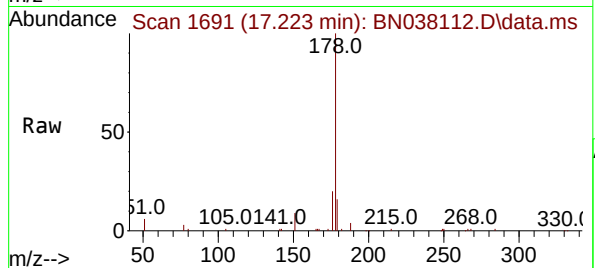




#25
Phenanthrene
Concen: 0.194 ng
RT: 17.223 min Scan# 1691
Delta R.T. 0.000 min
Lab File: BN038112.D
Acq: 28 Oct 2025 13:36

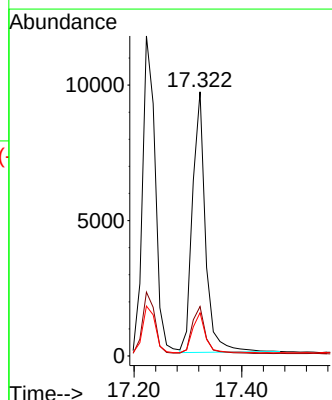
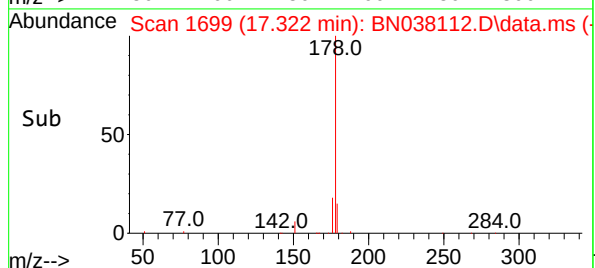
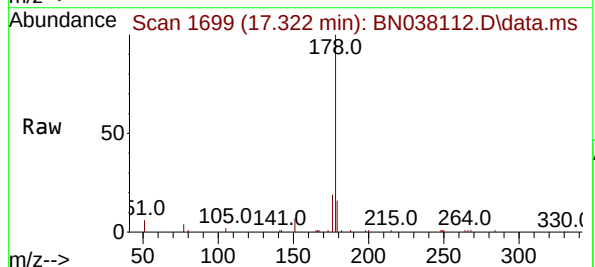
Instrument :
BNA_N
ClientSampleId :
SSTDICC0.2

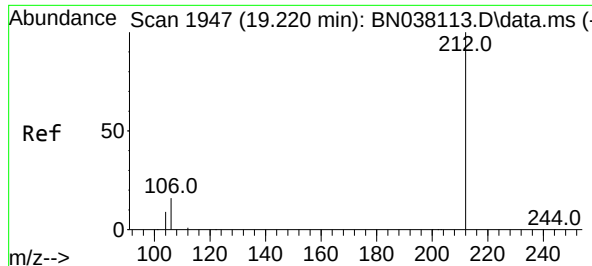
Tgt Ion:178 Resp: 19374
Ion Ratio Lower Upper
178 100
176 19.2 15.5 23.3
179 15.3 12.2 18.4



#26
Anthracene
Concen: 0.185 ng
RT: 17.322 min Scan# 1699
Delta R.T. 0.000 min
Lab File: BN038112.D
Acq: 28 Oct 2025 13:36

Tgt Ion:178 Resp: 16201
Ion Ratio Lower Upper
178 100
176 18.8 14.9 22.3
179 15.5 11.8 17.8





#27

Fluoranthene-d10

Concen: 0.192 ng

RT: 19.225 min Scan# 1948

Delta R.T. 0.005 min

Lab File: BN038112.D

Acq: 28 Oct 2025 13:36

Instrument :

BNA_N

ClientSampleId :

SSTDICC0.2

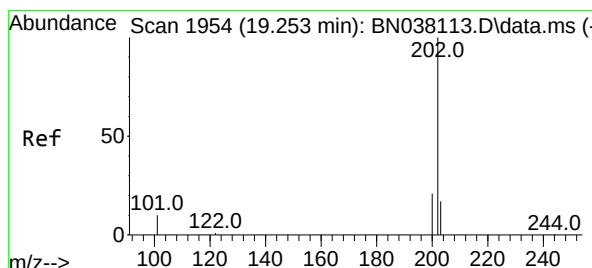
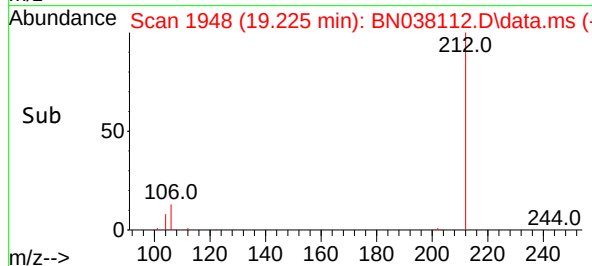
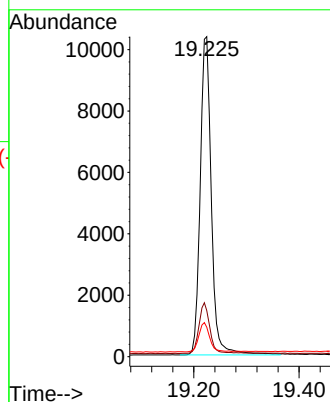
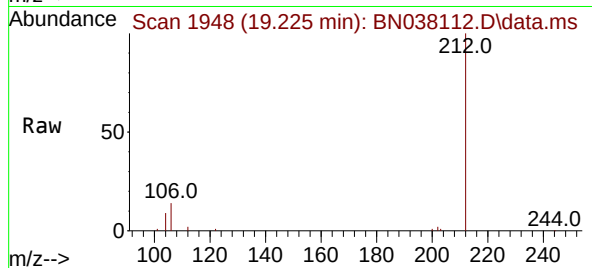
Tgt Ion:212 Resp: 15247

Ion Ratio Lower Upper

212 100

106 15.8 12.6 19.0

104 9.0 7.1 10.7



#28

Fluoranthene

Concen: 0.190 ng

RT: 19.253 min Scan# 1954

Delta R.T. 0.000 min

Lab File: BN038112.D

Acq: 28 Oct 2025 13:36

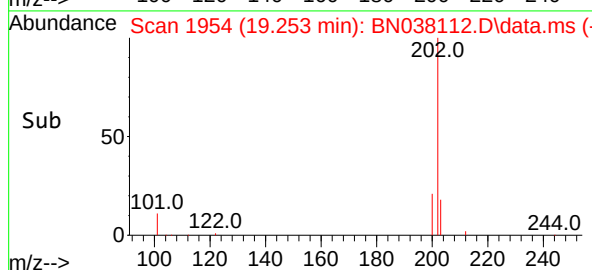
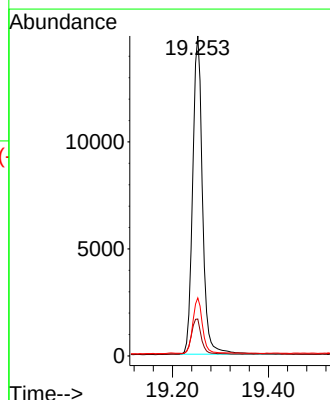
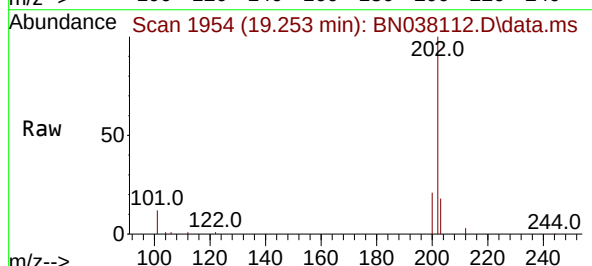
Tgt Ion:202 Resp: 21232

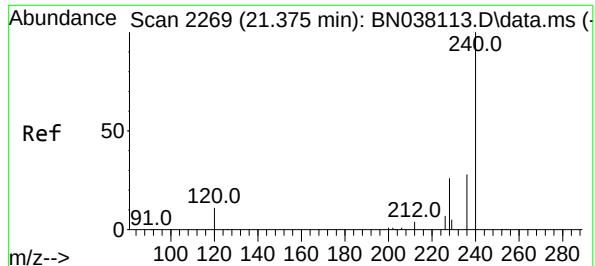
Ion Ratio Lower Upper

202 100

101 11.6 9.4 14.2

203 17.2 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: BN038112.D

Acq: 28 Oct 2025 13:36

Instrument :

BNA_N

ClientSampleId :

SSTDICC0.2

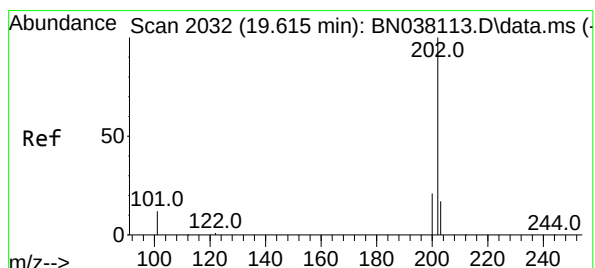
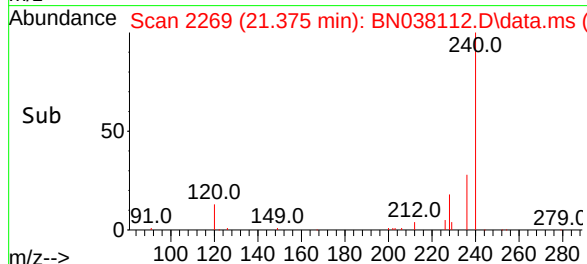
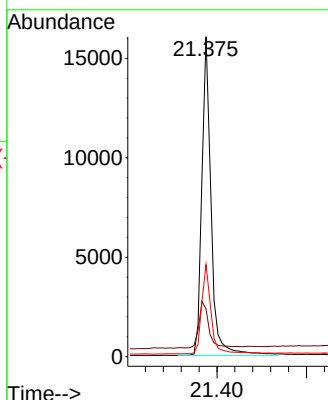
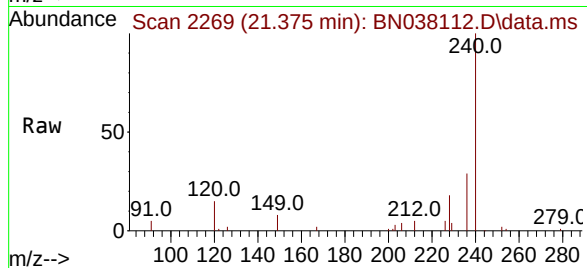
Tgt Ion:240 Resp: 23080

Ion Ratio Lower Upper

240 100

120 14.9 10.7 16.1

236 28.8 23.1 34.7



#30

Pyrene

Concen: 0.205 ng

RT: 19.615 min Scan# 2032

Delta R.T. 0.005 min

Lab File: BN038112.D

Acq: 28 Oct 2025 13:36

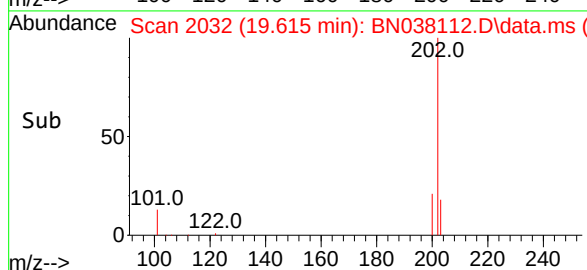
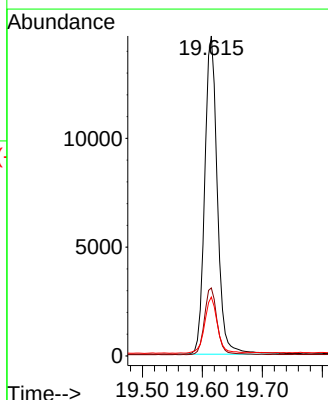
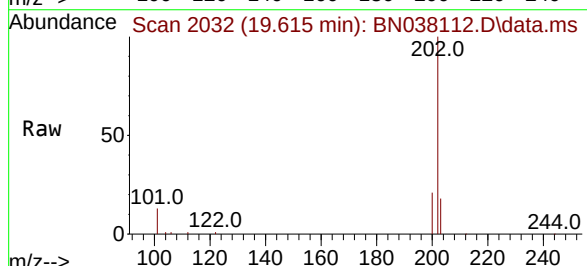
Tgt Ion:202 Resp: 21387

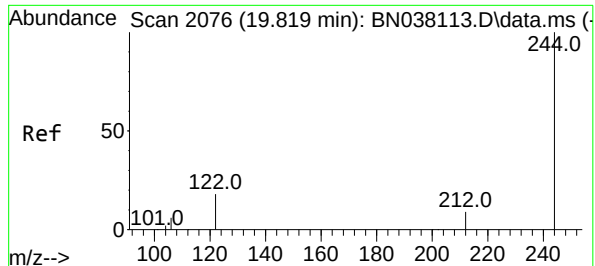
Ion Ratio Lower Upper

202 100

200 21.0 16.7 25.1

203 17.7 14.2 21.2

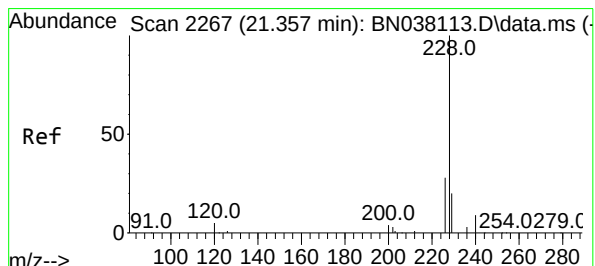
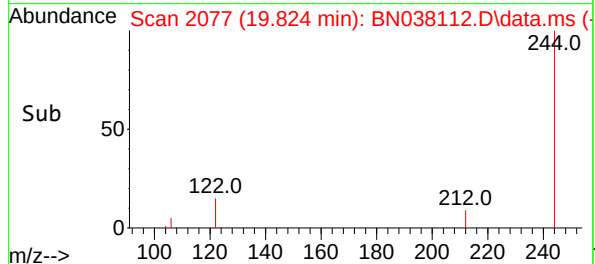
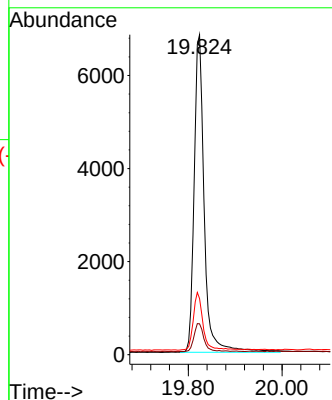
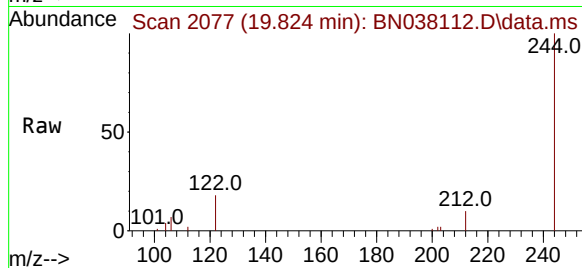




#31
Terphenyl-d14
Concen: 0.203 ng
RT: 19.824 min Scan# 2077
Delta R.T. 0.005 min
Lab File: BN038112.D
Acq: 28 Oct 2025 13:36

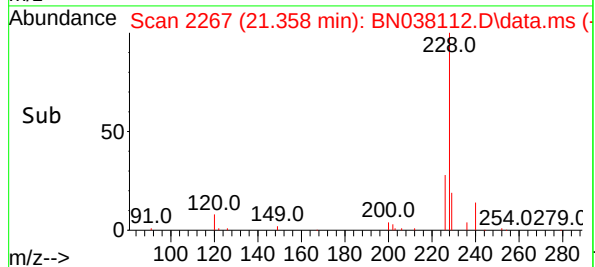
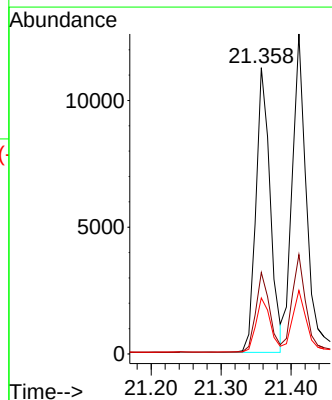
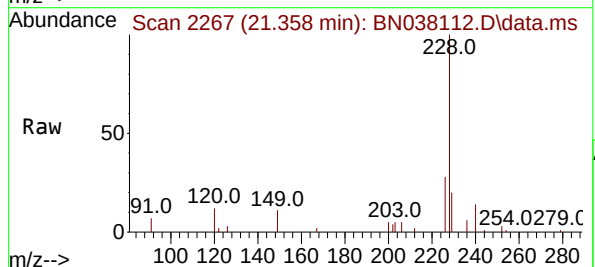
Instrument :
BNA_N
ClientSampleId :
SSTDICC0.2

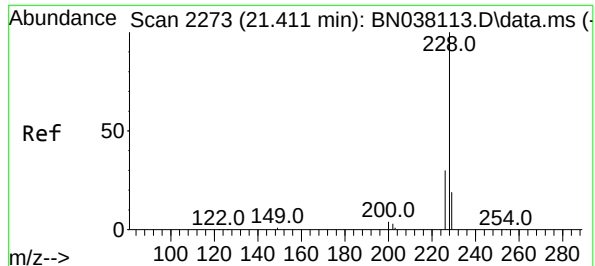
Tgt Ion:244 Resp: 10170
Ion Ratio Lower Upper
244 100
212 9.6 7.8 11.6
122 17.6 15.2 22.8



#32
Benzo(a)anthracene
Concen: 0.193 ng
RT: 21.358 min Scan# 2267
Delta R.T. 0.000 min
Lab File: BN038112.D
Acq: 28 Oct 2025 13:36

Tgt Ion:228 Resp: 15917
Ion Ratio Lower Upper
228 100
226 28.5 22.2 33.4
229 19.5 15.8 23.8





#33

Chrysene

Concen: 0.205 ng

RT: 21.411 min Scan# 21

Delta R.T. 0.000 min

Lab File: BN038112.D

Acq: 28 Oct 2025 13:36

Instrument :

BNA_N

ClientSampleId :

SSTDICC0.2

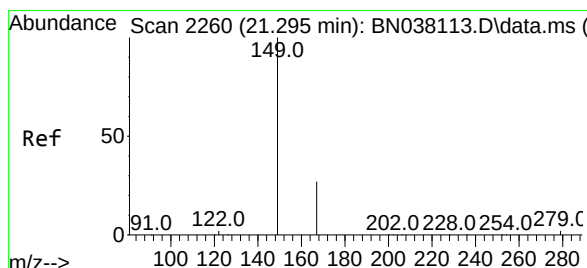
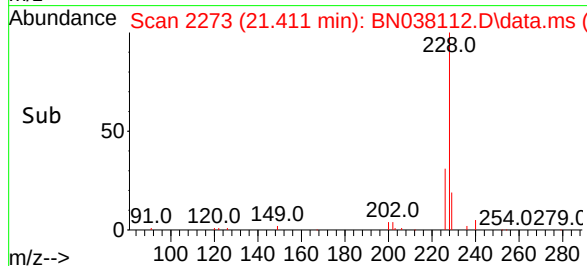
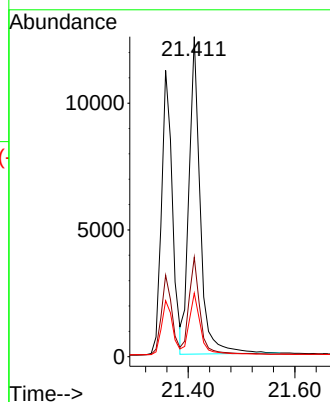
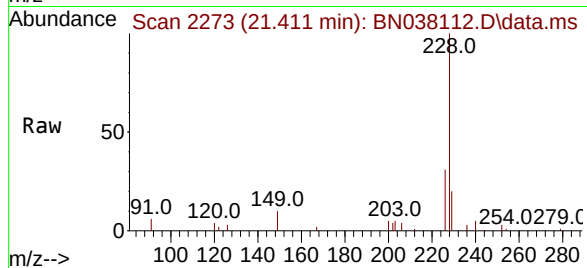
Tgt Ion:228 Resp: 18301

Ion Ratio Lower Upper

228 100

226 31.1 24.3 36.5

229 19.9 15.7 23.5



#34

Bis(2-ethylhexyl)phthalate

Concen: 0.242 ng

RT: 21.295 min Scan# 2260

Delta R.T. 0.000 min

Lab File: BN038112.D

Acq: 28 Oct 2025 13:36

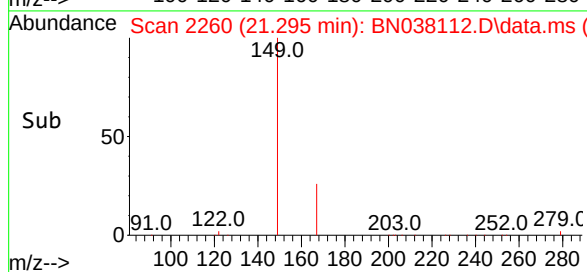
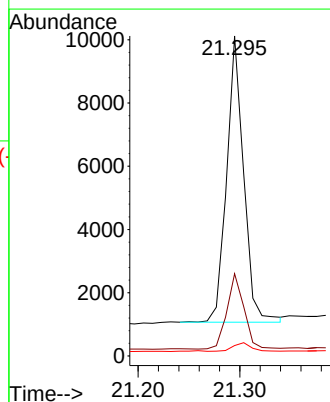
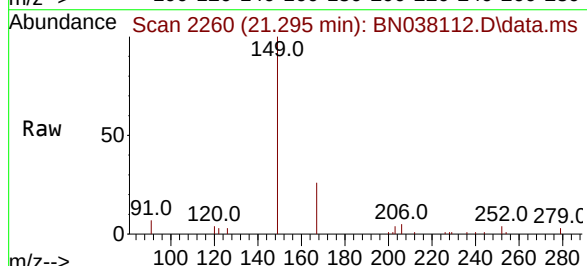
Tgt Ion:149 Resp: 10496

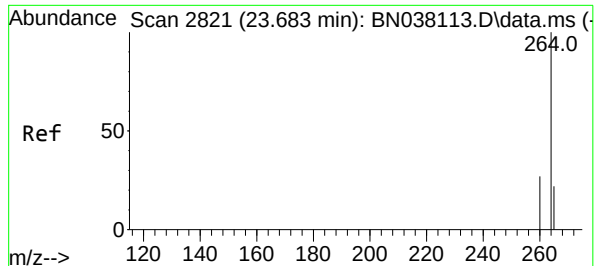
Ion Ratio Lower Upper

149 100

167 26.3 21.1 31.7

279 3.1 2.9 4.3

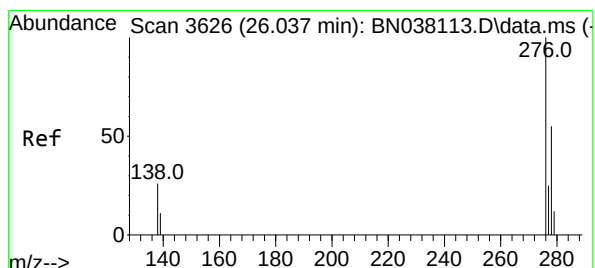
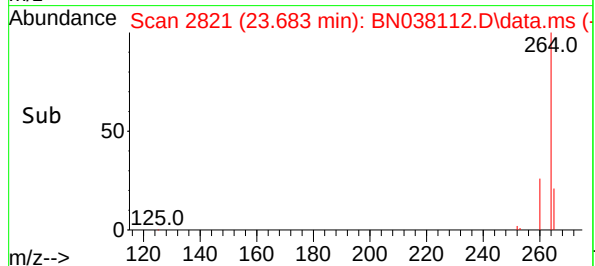
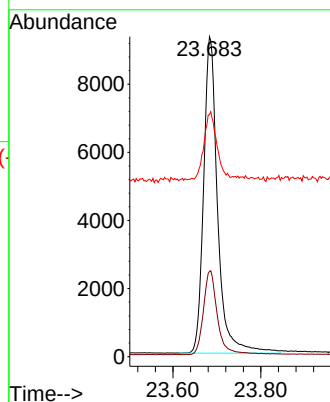
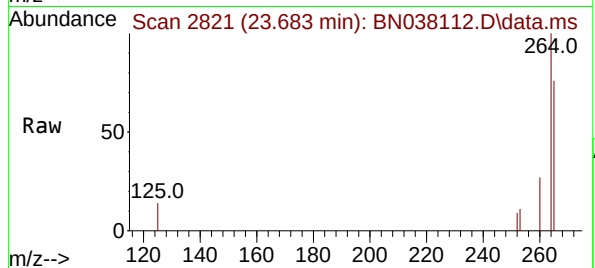




#35
Perylene-d12
Concen: 0.400 ng
RT: 23.683 min Scan# 21
Delta R.T. 0.003 min
Lab File: BN038112.D
Acq: 28 Oct 2025 13:36

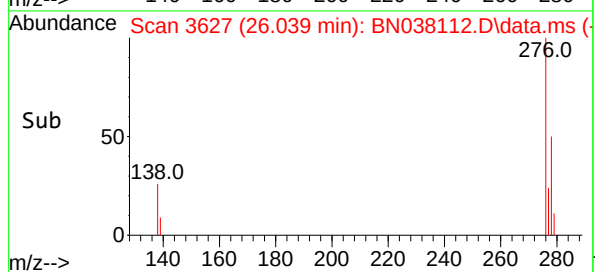
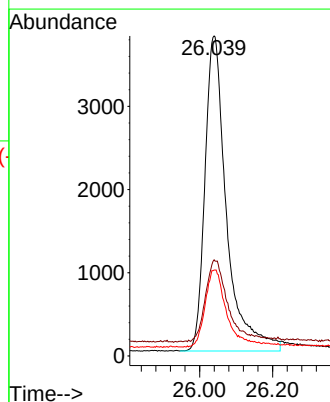
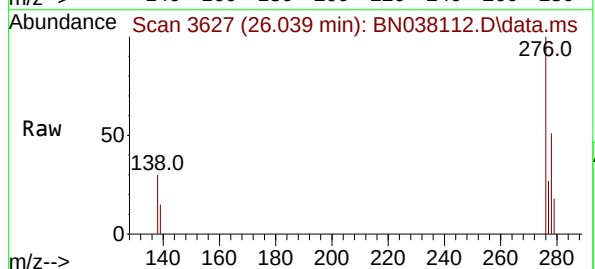
Instrument :
BNA_N
ClientSampleId :
SSTDICC0.2

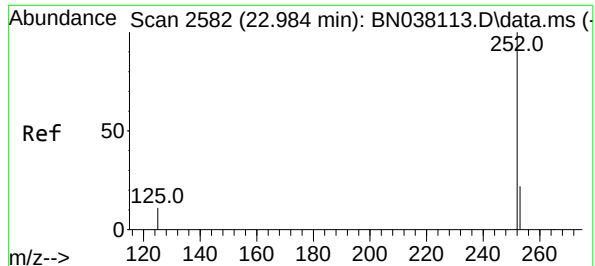
Tgt Ion:264 Resp: 20598
Ion Ratio Lower Upper
264 100
260 26.6 21.8 32.8
265 75.6 68.6 102.8



#36
Indeno(1,2,3-cd)pyrene
Concen: 0.184 ng
RT: 26.039 min Scan# 3627
Delta R.T. 0.006 min
Lab File: BN038112.D
Acq: 28 Oct 2025 13:36

Tgt Ion:276 Resp: 15575
Ion Ratio Lower Upper
276 100
138 25.6 21.4 32.0
277 24.2 19.2 28.8





#37

Benzo(b)fluoranthene

Concen: 0.180 ng

RT: 22.984 min Scan# 2582

Delta R.T. 0.003 min

Lab File: BN038112.D

Acq: 28 Oct 2025 13:36

Instrument :

BNA_N

ClientSampleId :

SSTDICC0.2

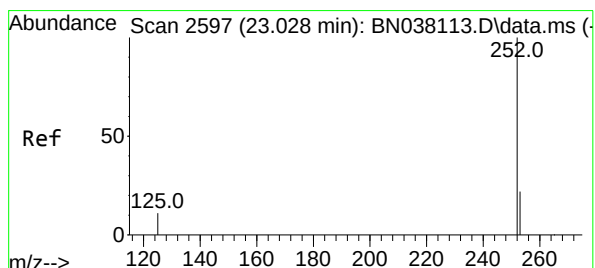
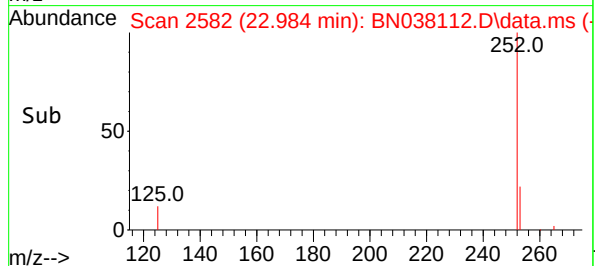
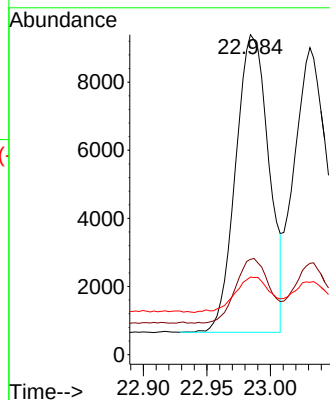
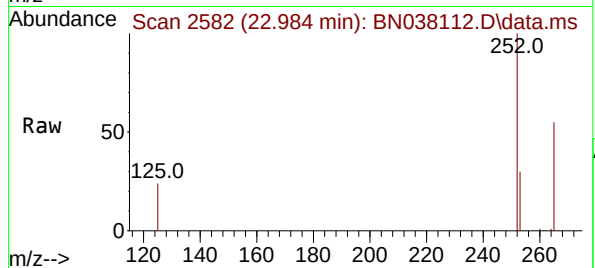
Tgt Ion:252 Resp: 15888

Ion Ratio Lower Upper

252 100

253 29.8 20.9 31.3

125 24.3 14.1 21.1#



#38

Benzo(k)fluoranthene

Concen: 0.185 ng

RT: 23.031 min Scan# 2598

Delta R.T. 0.003 min

Lab File: BN038112.D

Acq: 28 Oct 2025 13:36

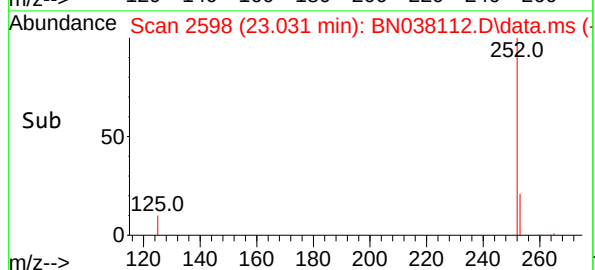
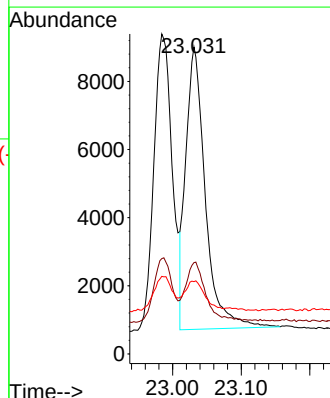
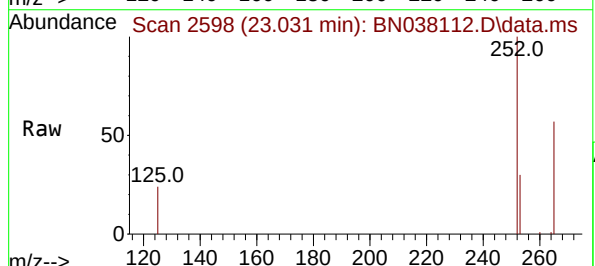
Tgt Ion:252 Resp: 16371

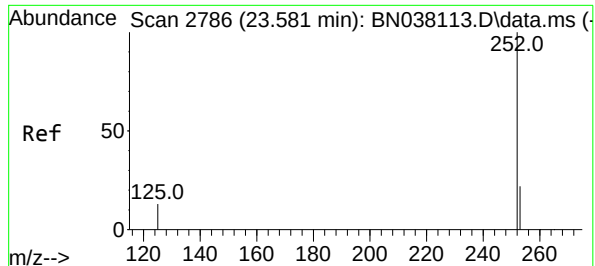
Ion Ratio Lower Upper

252 100

253 29.7 21.2 31.8

125 23.6 14.6 22.0#





#39

Benzo(a)pyrene

Concen: 0.186 ng

RT: 23.584 min Scan# 21

Delta R.T. 0.006 min

Lab File: BN038112.D

Acq: 28 Oct 2025 13:36

Instrument :

BNA_N

ClientSampleId :

SSTDICC0.2

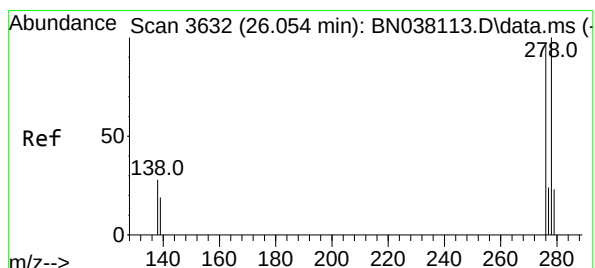
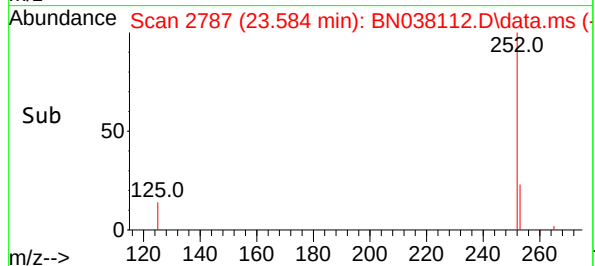
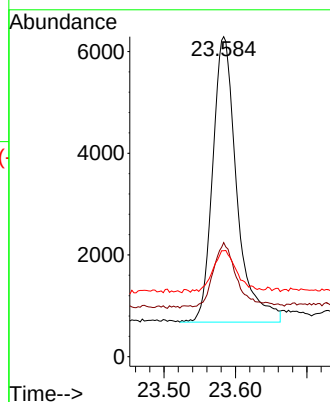
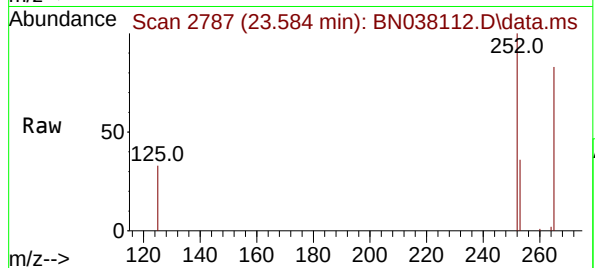
Tgt Ion:252 Resp: 13137

Ion Ratio Lower Upper

252 100

253 35.6 23.1 34.7#

125 33.1 18.6 28.0#



#40

Dibenzo(a,h)anthracene

Concen: 0.182 ng

RT: 26.057 min Scan# 3633

Delta R.T. 0.009 min

Lab File: BN038112.D

Acq: 28 Oct 2025 13:36

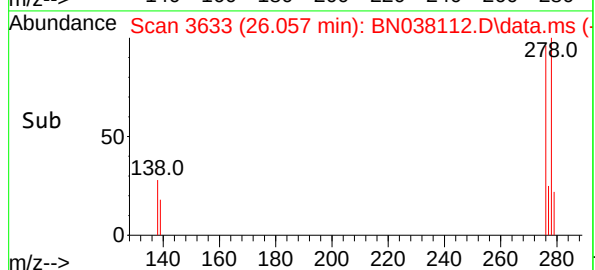
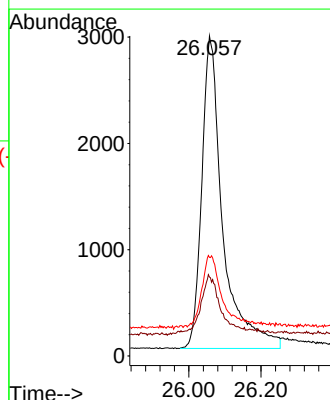
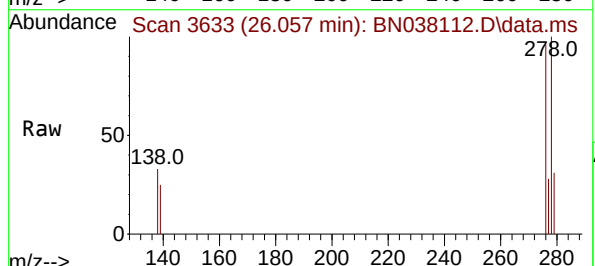
Tgt Ion:278 Resp: 11845

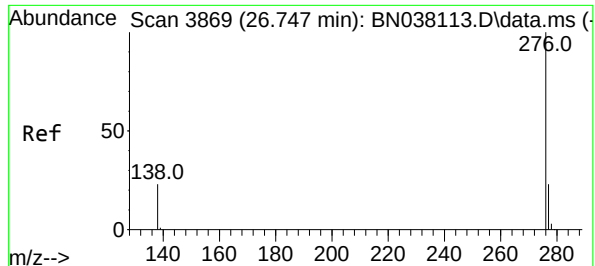
Ion Ratio Lower Upper

278 100

139 24.7 17.6 26.4

279 30.8 22.6 33.8





#41

Benzo(g,h,i)perylene

Concen: 0.189 ng

RT: 26.753 min Scan# 3871

Delta R.T. 0.003 min

Lab File: BN038112.D

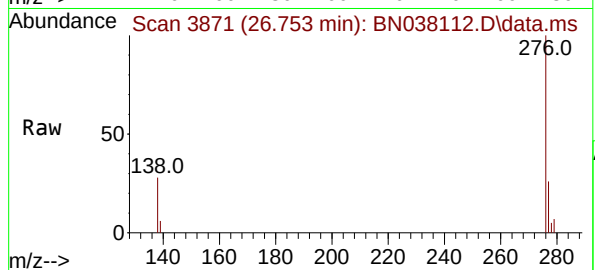
Acq: 28 Oct 2025 13:36

Instrument :

BNA_N

ClientSampleId :

SSTDICC0.2



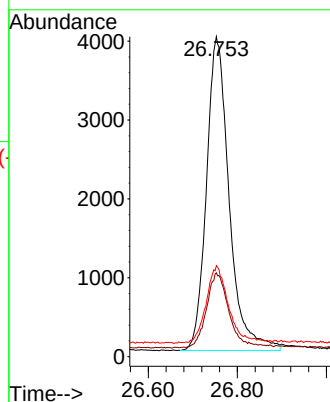
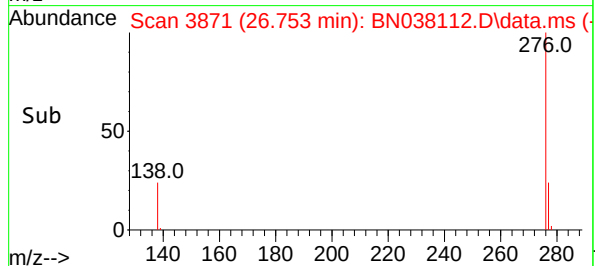
Tgt Ion:276 Resp: 14055

Ion Ratio Lower Upper

276 100

277 26.2 19.7 29.5

138 28.5 20.2 30.4



Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN102825\
 Data File : BN038113.D
 Acq On : 28 Oct 2025 14:13
 Operator : RC/JU
 Sample : SSTDICCC0.4
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 SSTDICCC0.4

Quant Time: Oct 28 17:31:42 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN102825.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Oct 28 17:15:13 2025
 Response via : Initial Calibration

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

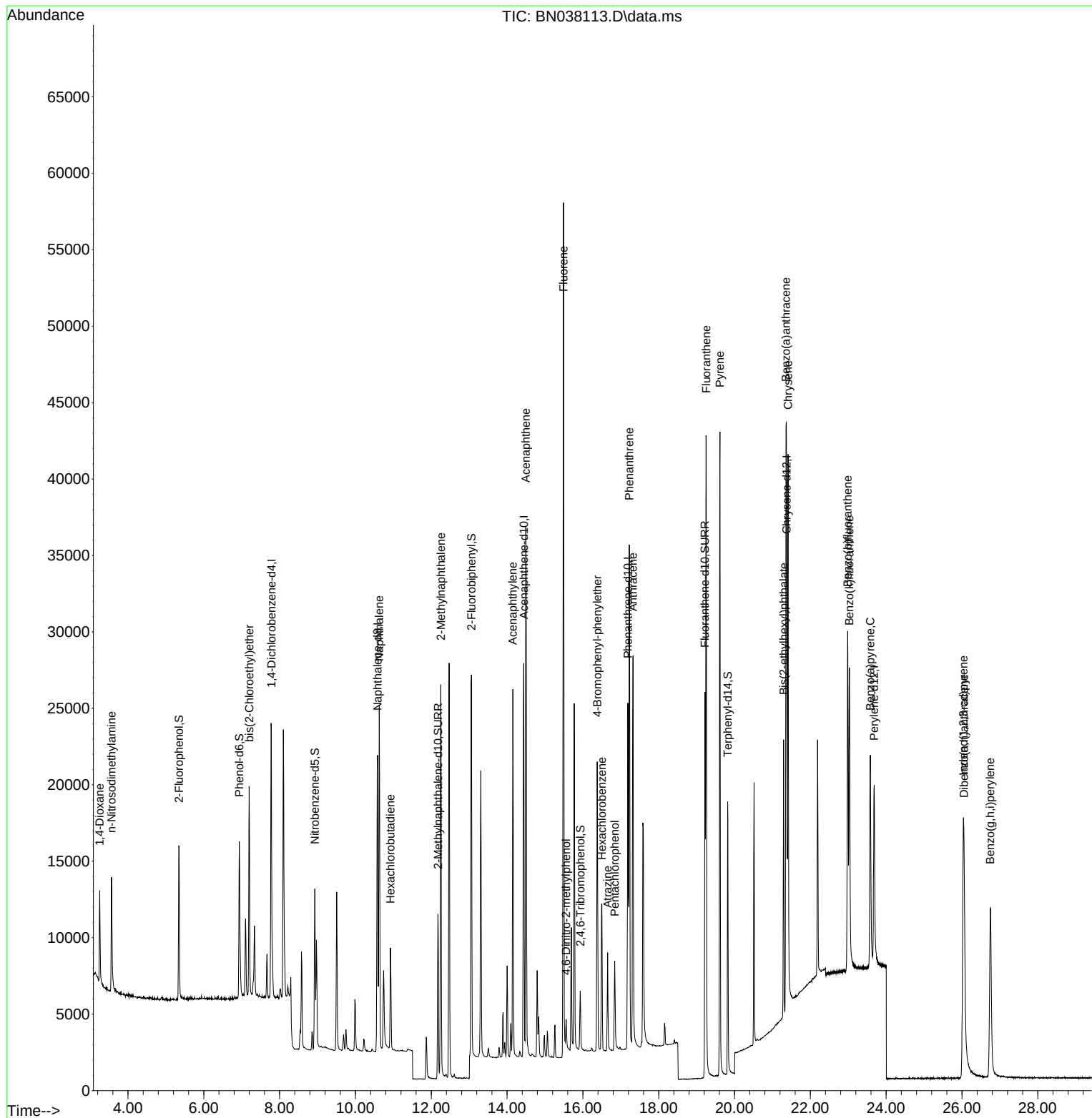
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.782	152	9189	0.400	ng	0.00
7) Naphthalene-d8	10.584	136	27629	0.400	ng	0.01
13) Acenaphthene-d10	14.441	164	15496	0.400	ng	0.01
19) Phenanthrene-d10	17.186	188	29547	0.400	ng	0.00
29) Chrysene-d12	21.375	240	21529	0.400	ng	0.00
35) Perylene-d12	23.683	264	17966	0.400	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.348	112	8768	0.405	ng	0.00
5) Phenol-d6	6.937	99	10420	0.395	ng	0.00
8) Nitrobenzene-d5	8.929	82	8652	0.388	ng	0.00
11) 2-Methylnaphthalene-d10	12.177	152	15231	0.386	ng	0.00
14) 2,4,6-Tribromophenol	15.932	330	2303	0.361	ng	0.00
15) 2-Fluorobiphenyl	13.062	172	24443	0.394	ng	0.01
27) Fluoranthene-d10	19.220	212	28227	0.379	ng	0.00
31) Terphenyl-d14	19.819	244	18767	0.401	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.254	88	3895	0.410	ng	100
3) n-Nitrosodimethylamine	3.564	42	4910	0.402	ng	100
6) bis(2-Chloroethyl)ether	7.197	93	10402	0.402	ng	100
9) Naphthalene	10.626	128	29858	0.392	ng	100
10) Hexachlorobutadiene	10.925	225	5174	0.403	ng	# 100
12) 2-Methylnaphthalene	12.253	142	19577	0.386	ng	100
16) Acenaphthylene	14.152	152	26507	0.378	ng	100
17) Acenaphthene	14.494	154	18774	0.382	ng	100
18) Fluorene	15.489	166	24733	0.384	ng	100
20) 4,6-Dinitro-2-methylph...	15.560	198	1329	0.375	ng	100
21) 4-Bromophenyl-phenylether	16.379	248	7383	0.381	ng	100
22) Hexachlorobenzene	16.503	284	8778	0.398	ng	100
23) Atrazine	16.652	200	5175	0.365	ng	100
24) Pentachlorophenol	16.838	266	3182	0.335	ng	100
25) Phenanthrene	17.223	178	36093	0.385	ng	100
26) Anthracene	17.322	178	30869	0.376	ng	100
28) Fluoranthene	19.253	202	39664	0.378	ng	100
30) Pyrene	19.615	202	39644	0.408	ng	100
32) Benzo(a)anthracene	21.357	228	29230	0.381	ng	100
33) Chrysene	21.411	228	33214	0.398	ng	100
34) Bis(2-ethylhexyl)phtha...	21.295	149	15540	0.384	ng	100
36) Indeno(1,2,3-cd)pyrene	26.037	276	28812	0.390	ng	100
37) Benzo(b)fluoranthene	22.984	252	29283	0.381	ng	100
38) Benzo(k)fluoranthene	23.028	252	29088	0.376	ng	100
39) Benzo(a)pyrene	23.581	252	23635	0.384	ng	100
40) Dibenzo(a,h)anthracene	26.054	278	21487	0.378	ng	100
41) Benzo(g,h,i)perylene	26.747	276	25622	0.395	ng	100

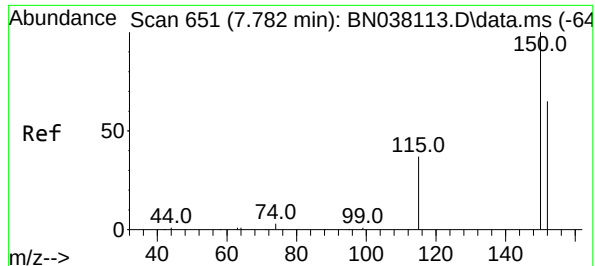
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN102825\
 Data File : BN038113.D
 Acq On : 28 Oct 2025 14:13
 Operator : RC/JU
 Sample : SSTDICCC0.4
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 SSTDICCC0.4

Quant Time: Oct 28 17:31:42 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN102825.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Oct 28 17:15:13 2025
 Response via : Initial Calibration

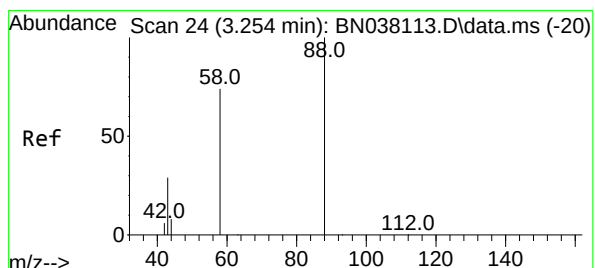
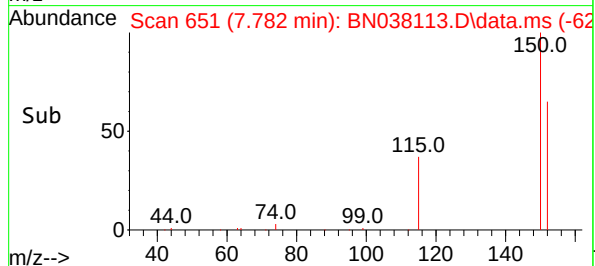
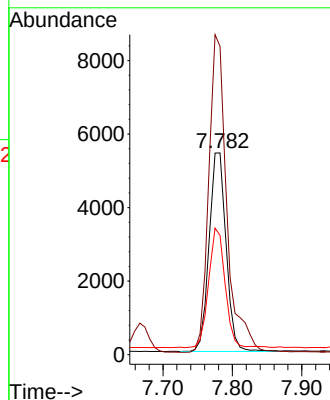
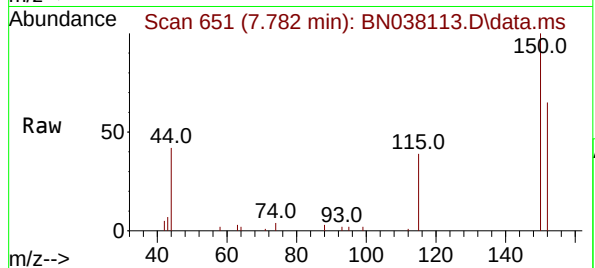




#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.782 min Scan# 61
Delta R.T. 0.007 min
Lab File: BN038113.D
Acq: 28 Oct 2025 14:13

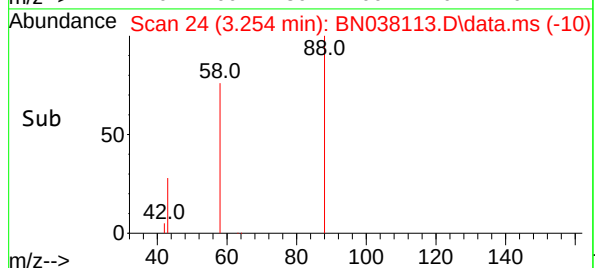
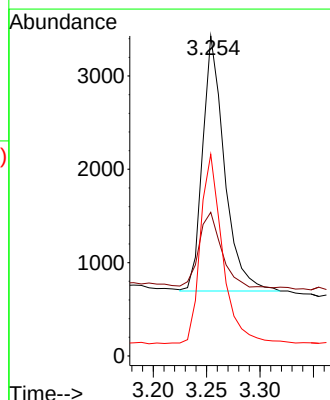
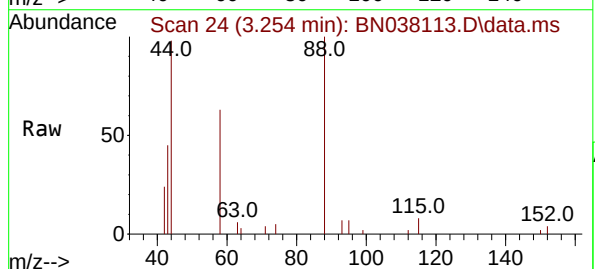
Instrument :
BNA_N
ClientSampleId :
SSTDICCC0.4

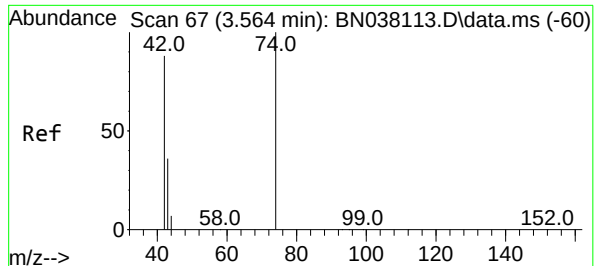
Tgt Ion:152 Resp: 9189
Ion Ratio Lower Upper
152 100
150 152.9 122.3 183.5
115 59.2 47.4 71.0



#2
1,4-Dioxane
Concen: 0.410 ng
RT: 3.254 min Scan# 24
Delta R.T. -0.000 min
Lab File: BN038113.D
Acq: 28 Oct 2025 14:13

Tgt Ion: 88 Resp: 3895
Ion Ratio Lower Upper
88 100
43 30.4 24.3 36.5
58 75.5 60.4 90.6

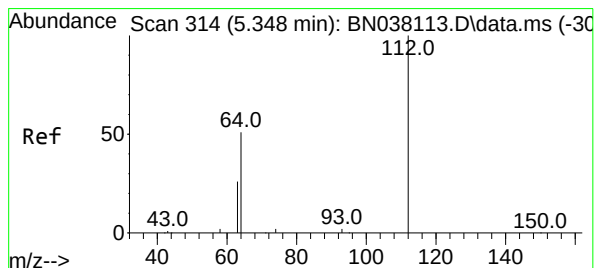
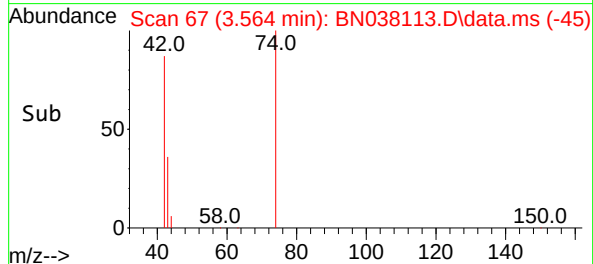
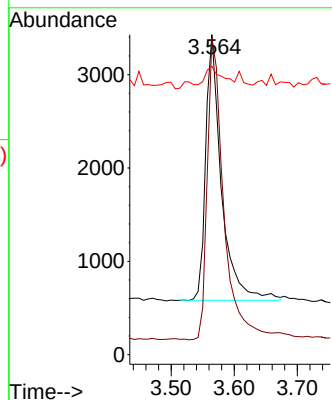
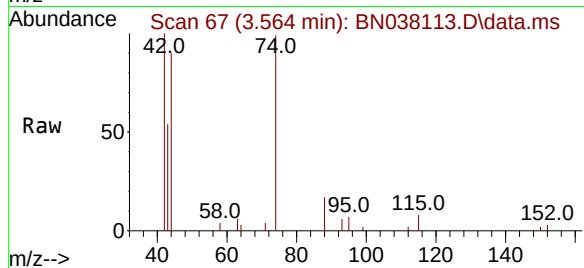




#3
n-Nitrosodimethylamine
Concen: 0.402 ng
RT: 3.564 min Scan# 61
Delta R.T. 0.007 min
Lab File: BN038113.D
Acq: 28 Oct 2025 14:13

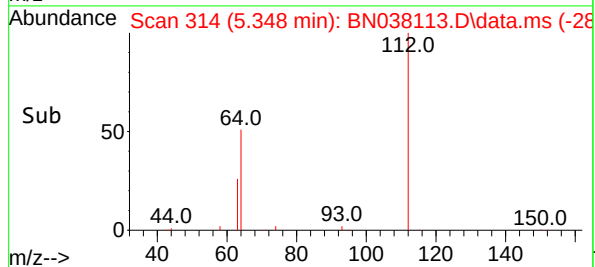
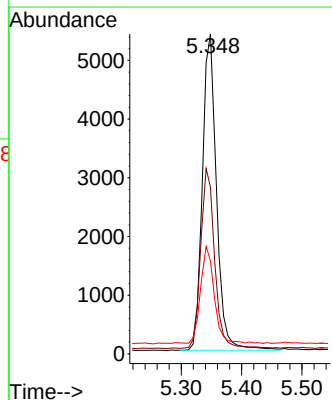
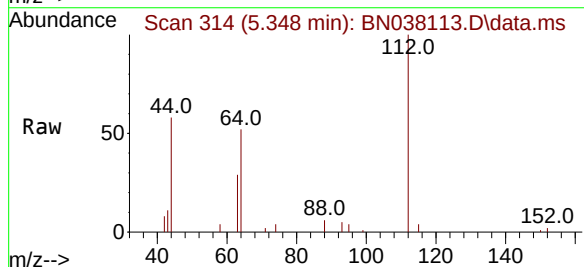
Instrument :
BNA_N
ClientSampleId :
SSTDICCC0.4

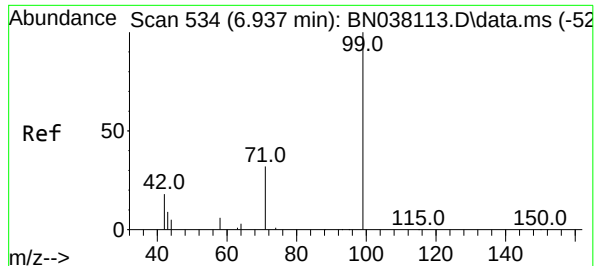
Tgt Ion: 42 Resp: 4910
Ion Ratio Lower Upper
42 100
74 121.1 96.8 145.2
44 6.7 5.3 7.9



#4
2-Fluorophenol
Concen: 0.405 ng
RT: 5.348 min Scan# 314
Delta R.T. -0.000 min
Lab File: BN038113.D
Acq: 28 Oct 2025 14:13

Tgt Ion: 112 Resp: 8768
Ion Ratio Lower Upper
112 100
64 56.7 45.4 68.0
63 29.0 23.2 34.8

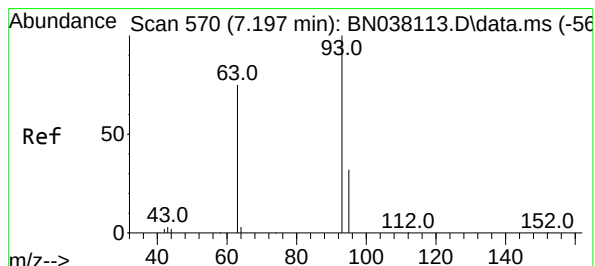
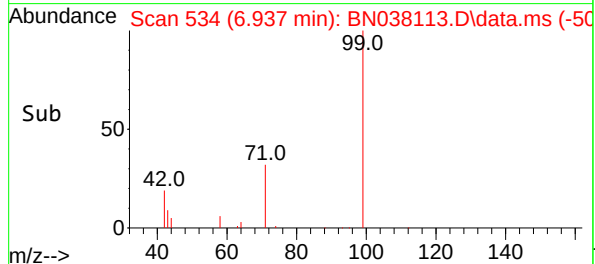
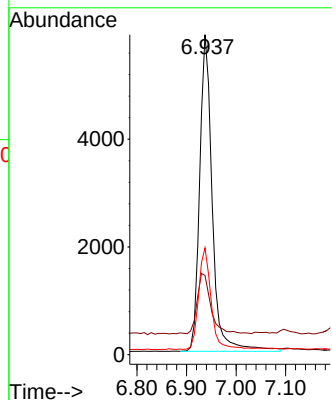
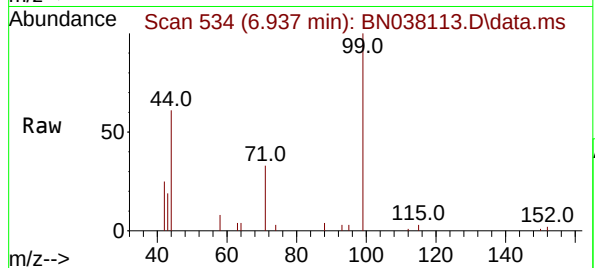




#5
Phenol-d6
Concen: 0.395 ng
RT: 6.937 min Scan# 51
Delta R.T. -0.000 min
Lab File: BN038113.D
Acq: 28 Oct 2025 14:13

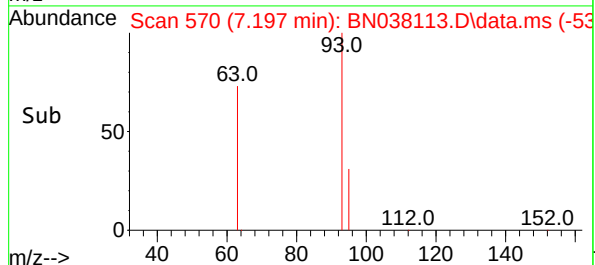
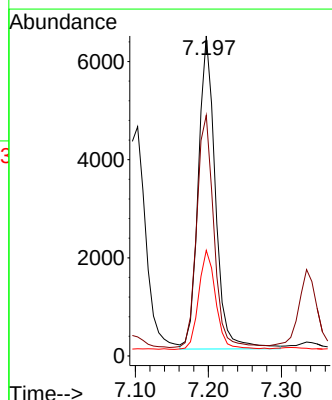
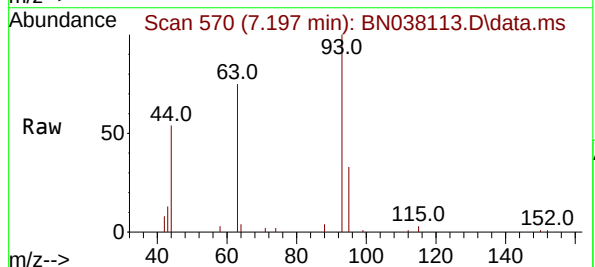
Instrument :
BNA_N
ClientSampleId :
SSTDICCC0.4

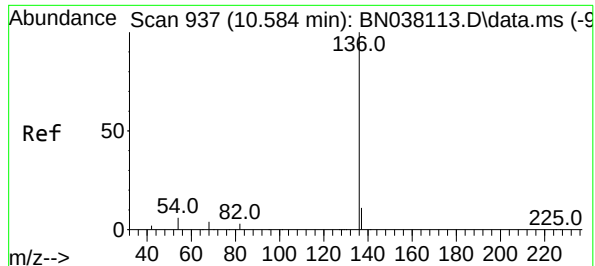
Tgt Ion: 99 Resp: 10420
Ion Ratio Lower Upper
99 100
42 20.7 16.6 24.8
71 31.8 25.4 38.2



#6
bis(2-Chloroethyl)ether
Concen: 0.402 ng
RT: 7.197 min Scan# 570
Delta R.T. -0.000 min
Lab File: BN038113.D
Acq: 28 Oct 2025 14:13

Tgt Ion: 93 Resp: 10402
Ion Ratio Lower Upper
93 100
63 73.7 59.3 88.9
95 31.4 25.2 37.8

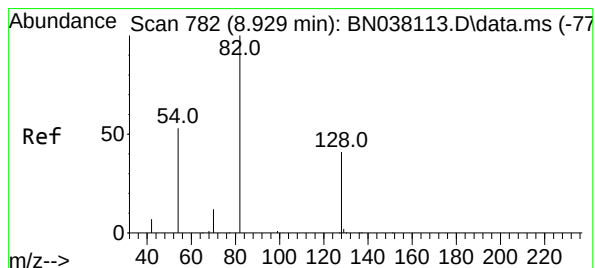
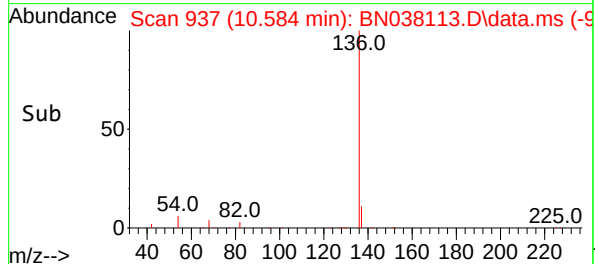
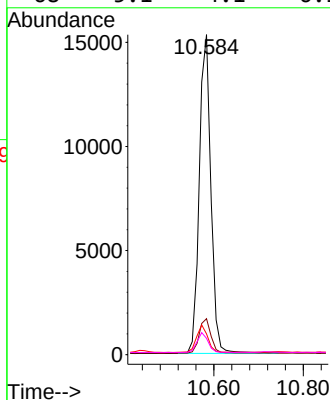
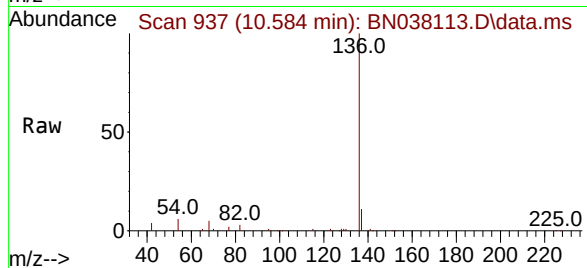




#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.584 min Scan# 91
Delta R.T. 0.011 min
Lab File: BN038113.D
Acq: 28 Oct 2025 14:13

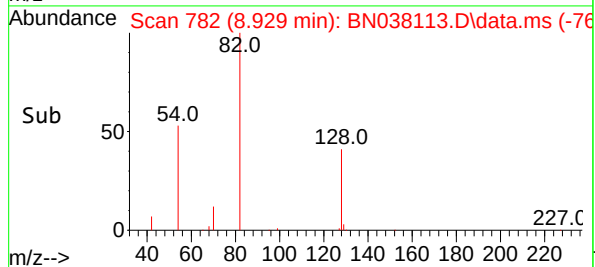
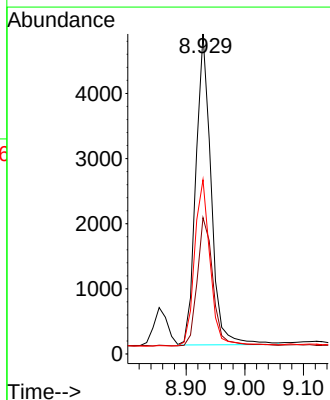
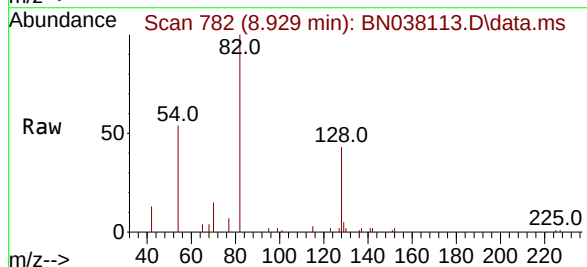
Instrument :
BNA_N
ClientSampleId :
SSTDICCC0.4

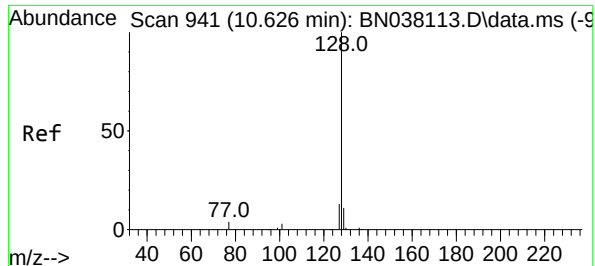
Tgt Ion:	136	Resp:	27629
Ion	Ratio	Lower	Upper
136	100		
137	11.2	9.0	13.4
54	6.5	5.2	7.8
68	5.1	4.1	6.1



#8
Nitrobenzene-d5
Concen: 0.388 ng
RT: 8.929 min Scan# 782
Delta R.T. -0.000 min
Lab File: BN038113.D
Acq: 28 Oct 2025 14:13

Tgt Ion:	82	Resp:	8652
Ion	Ratio	Lower	Upper
82	100		
128	42.6	34.1	51.1
54	54.4	43.5	65.3

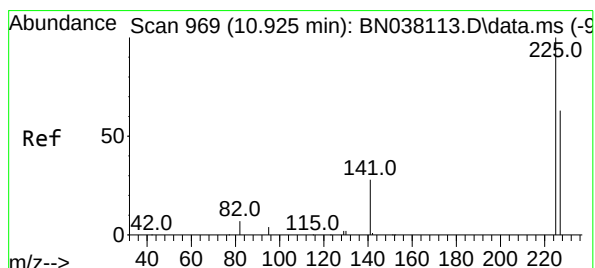
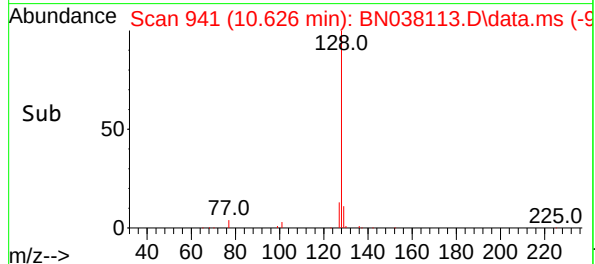
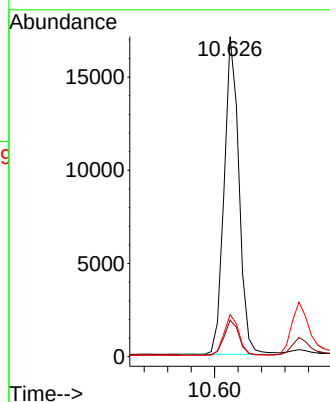
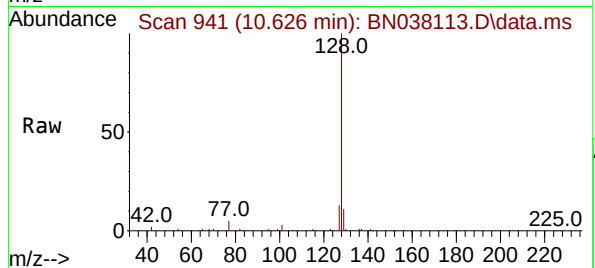




#9
Naphthalene
Concen: 0.392 ng
RT: 10.626 min Scan# 941
Delta R.T. -0.000 min
Lab File: BN038113.D
Acq: 28 Oct 2025 14:13

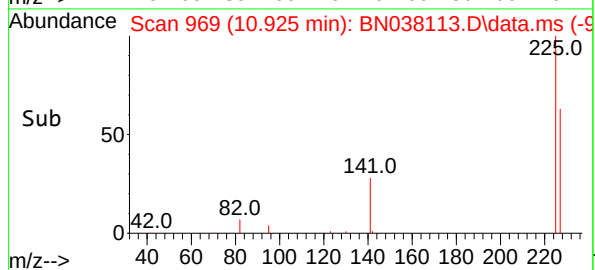
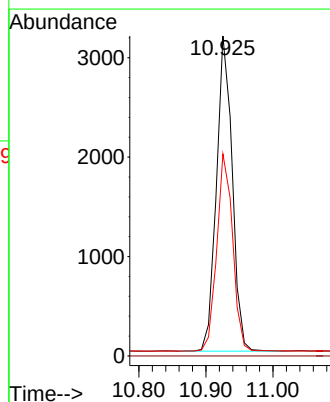
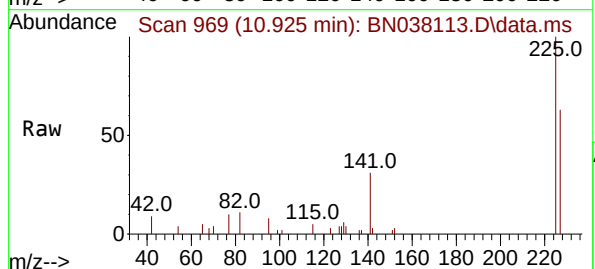
Instrument :
BNA_N
ClientSampleId :
SSTDICCC0.4

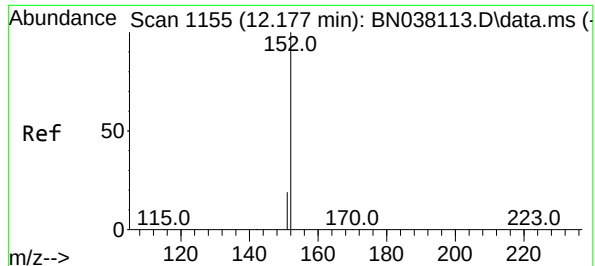
Tgt Ion	128	129	127
Resp:	29858		
Ion Ratio	100	11.4	13.1
Lower		9.1	10.5
Upper		13.7	15.7



#10
Hexachlorobutadiene
Concen: 0.403 ng
RT: 10.925 min Scan# 969
Delta R.T. -0.000 min
Lab File: BN038113.D
Acq: 28 Oct 2025 14:13

Tgt Ion	225	223	227
Resp:	5174		
Ion Ratio	100	0.0	62.9
Lower		0.0	50.3
Upper		0.0	75.5

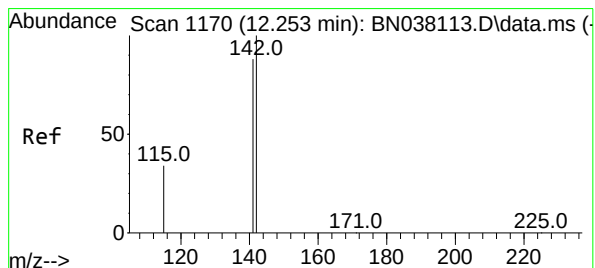
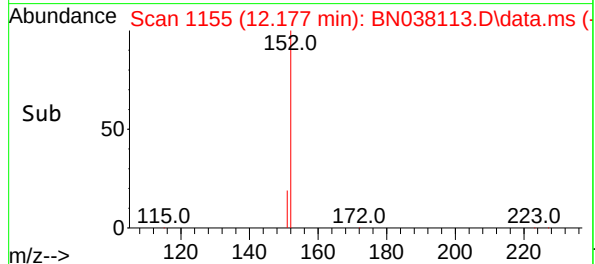
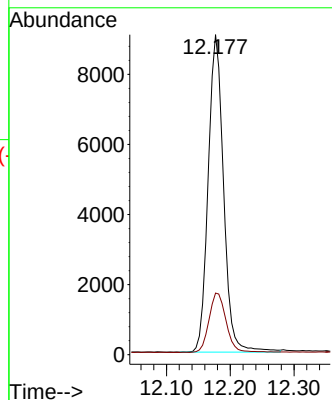
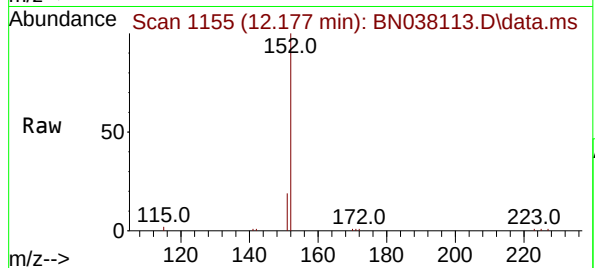




#11
2-Methylnaphthalene-d10
Concen: 0.386 ng
RT: 12.177 min Scan# 1155
Delta R.T. -0.000 min
Lab File: BN038113.D
Acq: 28 Oct 2025 14:13

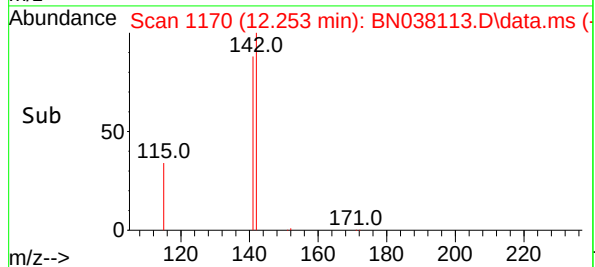
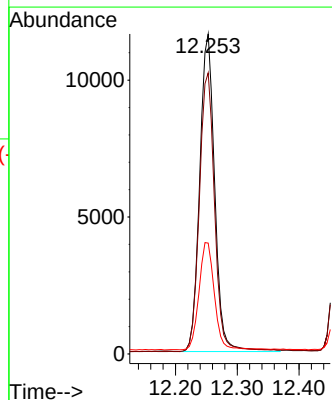
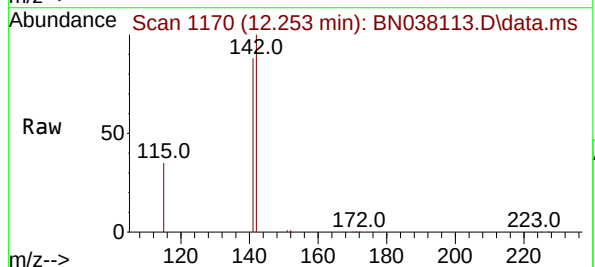
Instrument :
BNA_N
ClientSampleId :
SSTDICCC0.4

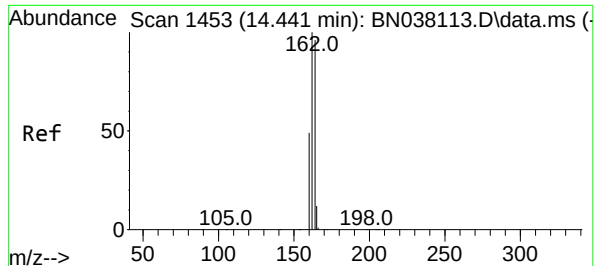
Tgt Ion:152 Resp: 15231
Ion Ratio Lower Upper
152 100
151 21.0 16.8 25.2



#12
2-Methylnaphthalene
Concen: 0.386 ng
RT: 12.253 min Scan# 1170
Delta R.T. 0.005 min
Lab File: BN038113.D
Acq: 28 Oct 2025 14:13

Tgt Ion:142 Resp: 19577
Ion Ratio Lower Upper
142 100
141 87.9 70.3 105.5
115 34.7 27.8 41.6

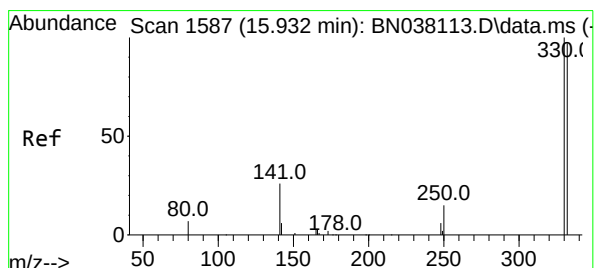
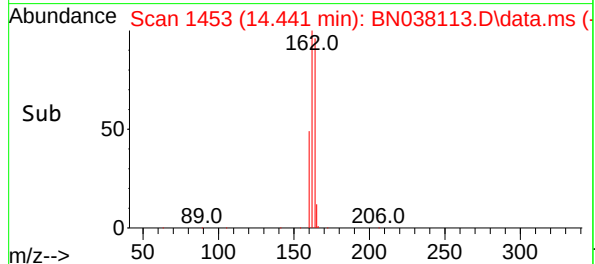
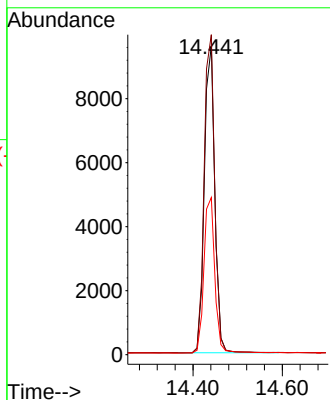
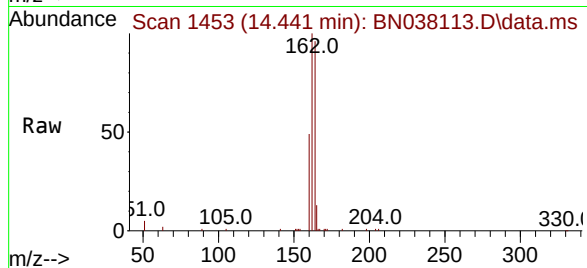




#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.441 min Scan# 1453
Delta R.T. 0.011 min
Lab File: BN038113.D
Acq: 28 Oct 2025 14:13

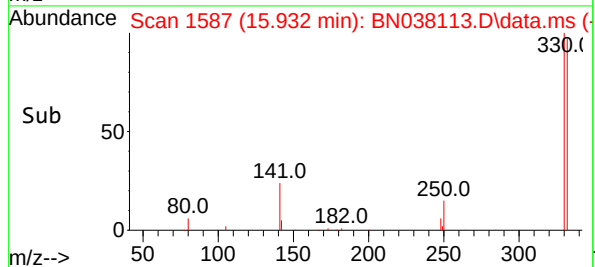
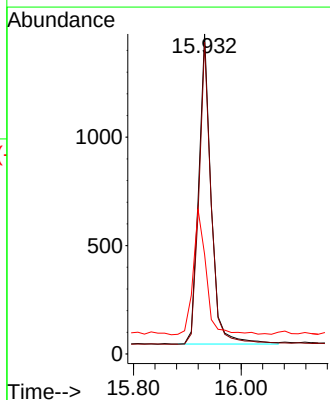
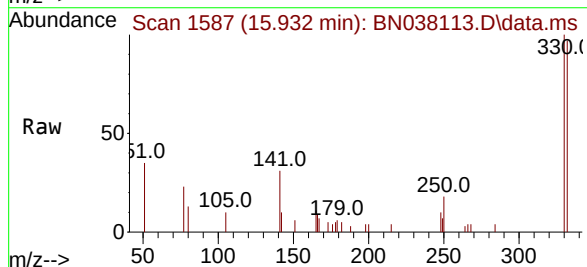
Instrument :
BNA_N
ClientSampleId :
SSTDICCC0.4

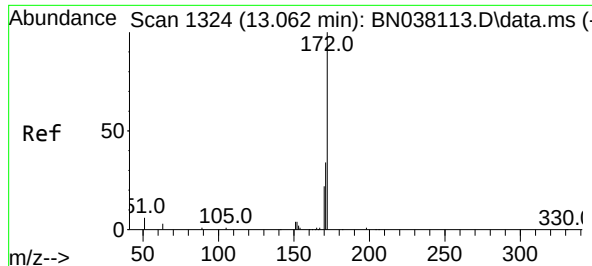
Tgt Ion:164 Resp: 15496
Ion Ratio Lower Upper
164 100
162 103.7 83.0 124.4
160 50.9 40.7 61.1



#14
2,4,6-Tribromophenol
Concen: 0.361 ng
RT: 15.932 min Scan# 1587
Delta R.T. 0.000 min
Lab File: BN038113.D
Acq: 28 Oct 2025 14:13

Tgt Ion:330 Resp: 2303
Ion Ratio Lower Upper
330 100
332 96.1 76.6 114.8
141 42.6 34.1 51.1

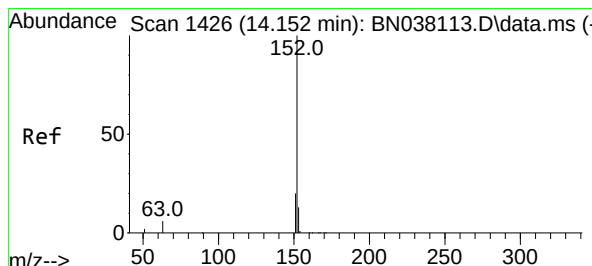
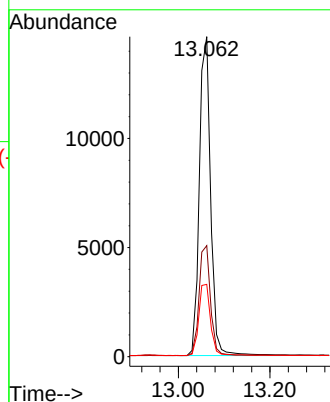
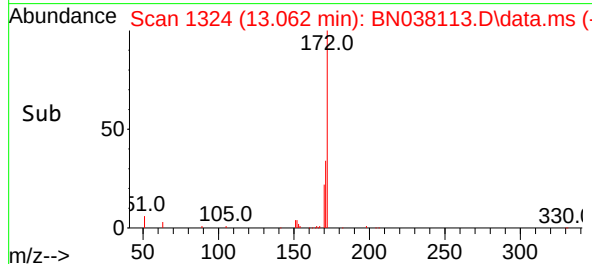
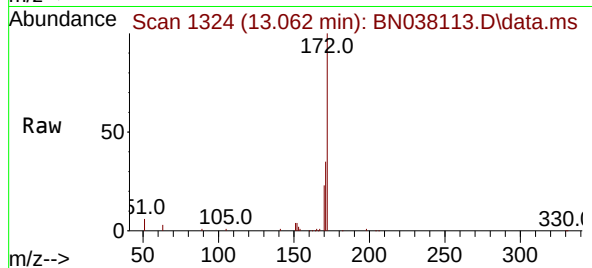




#15
2-Fluorobiphenyl
Concen: 0.394 ng
RT: 13.062 min Scan# 1324
Delta R.T. 0.011 min
Lab File: BN038113.D
Acq: 28 Oct 2025 14:13

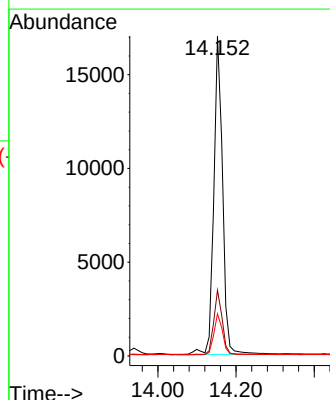
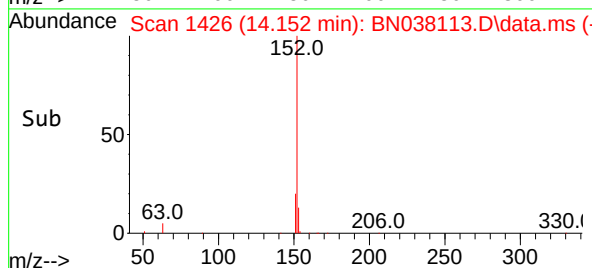
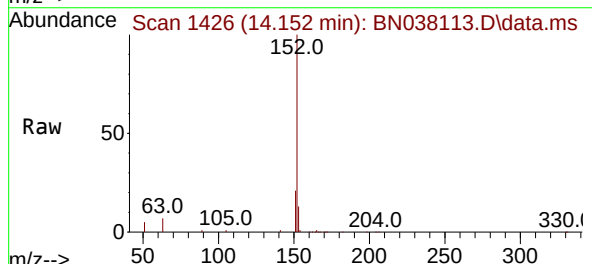
Instrument :
BNA_N
ClientSampleId :
SSTDICCC0.4

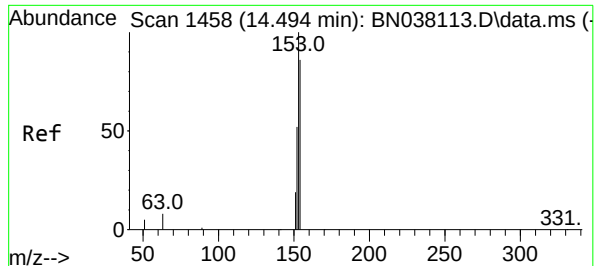
Tgt Ion	Ratio	Lower	Upper
172	100		
171	34.7	27.8	41.6
170	22.6	18.1	27.1



#16
Acenaphthylene
Concen: 0.378 ng
RT: 14.152 min Scan# 1426
Delta R.T. -0.000 min
Lab File: BN038113.D
Acq: 28 Oct 2025 14:13

Tgt Ion	Ratio	Lower	Upper
152	100		
151	19.8	15.8	23.8
153	12.7	10.2	15.2

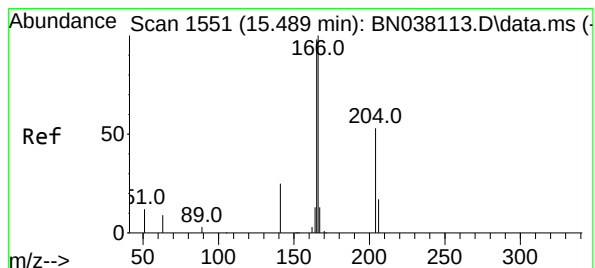
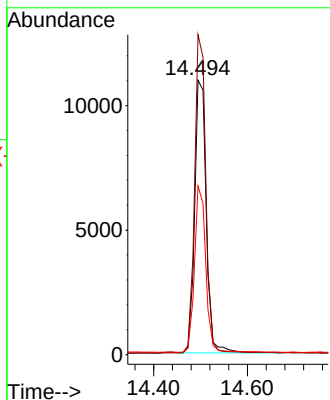
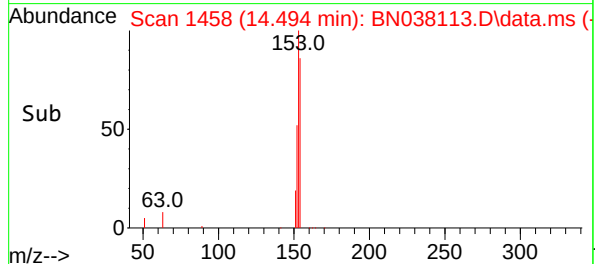
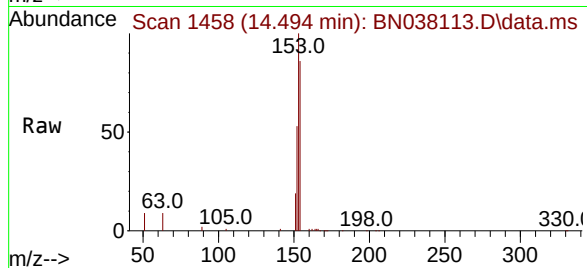




#17
Acenaphthene
Concen: 0.382 ng
RT: 14.494 min Scan# 1458
Delta R.T. -0.000 min
Lab File: BN038113.D
Acq: 28 Oct 2025 14:13

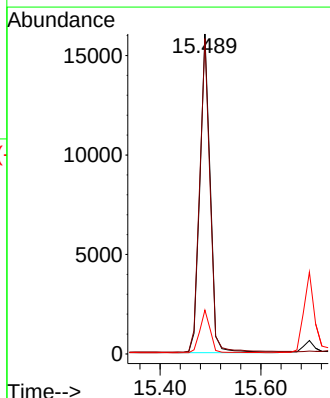
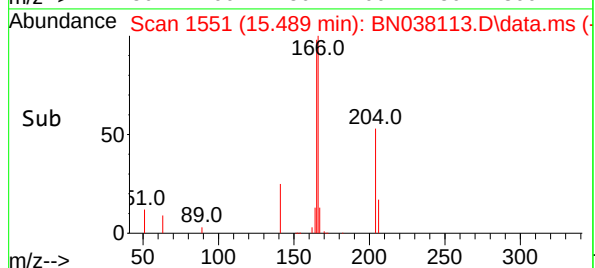
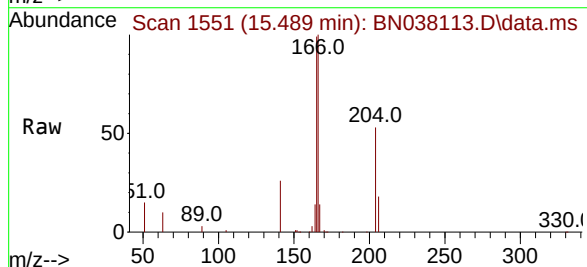
Instrument :
BNA_N
ClientSampleId :
SSTDICCC0.4

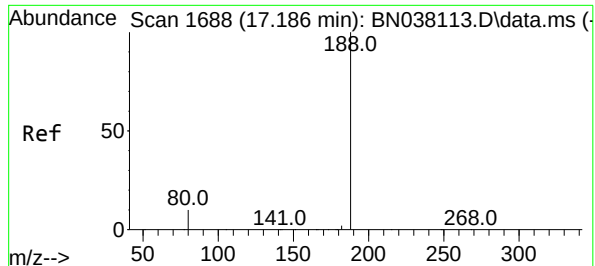
Tgt Ion:154 Resp: 18774
Ion Ratio Lower Upper
154 100
153 112.5 90.0 135.0
152 59.1 47.3 70.9



#18
Fluorene
Concen: 0.384 ng
RT: 15.489 min Scan# 1551
Delta R.T. -0.000 min
Lab File: BN038113.D
Acq: 28 Oct 2025 14:13

Tgt Ion:166 Resp: 24733
Ion Ratio Lower Upper
166 100
165 98.7 79.0 118.4
167 13.4 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: BN038113.D

Acq: 28 Oct 2025 14:13

Instrument :

BNA_N

ClientSampleId :

SSTDICCC0.4

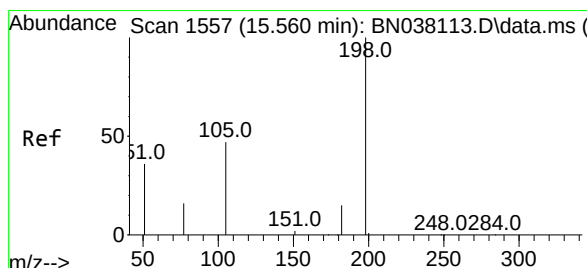
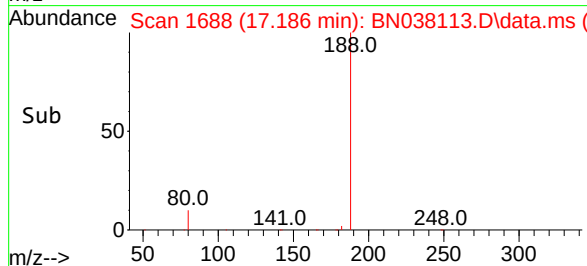
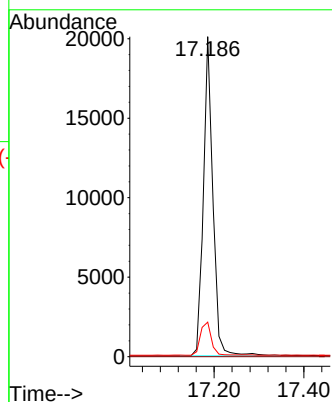
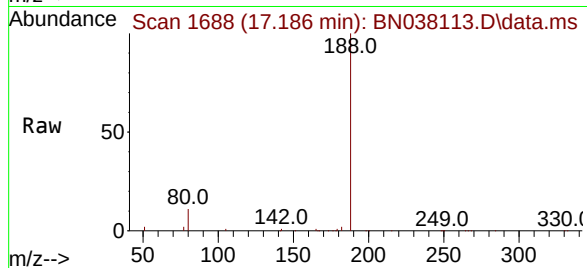
Tgt Ion:188 Resp: 29547

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

80 10.8 8.6 13.0



#20

4,6-Dinitro-2-methylphenol

Concen: 0.375 ng

RT: 15.560 min Scan# 1557

Delta R.T. -0.000 min

Lab File: BN038113.D

Acq: 28 Oct 2025 14:13

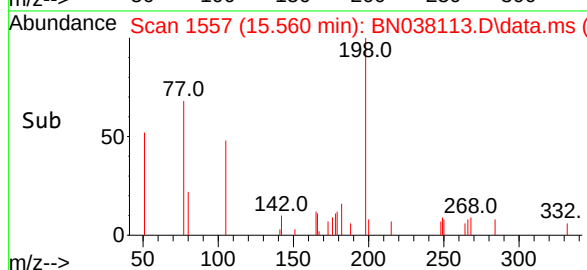
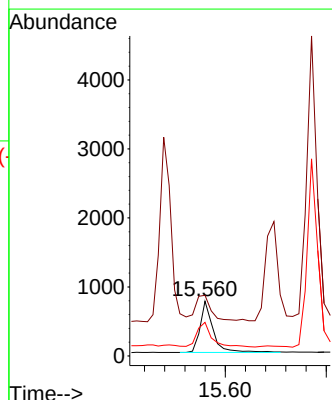
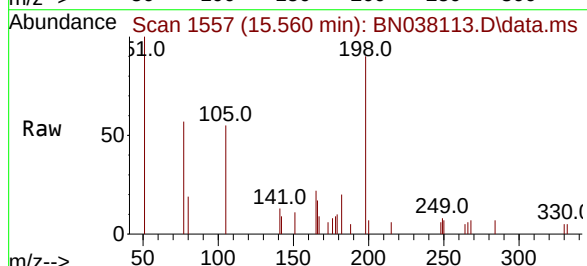
Tgt Ion:198 Resp: 1329

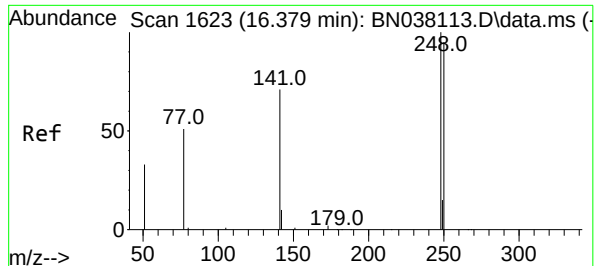
Ion Ratio Lower Upper

198 100

51 111.1 88.9 133.3

105 61.5 49.2 73.8

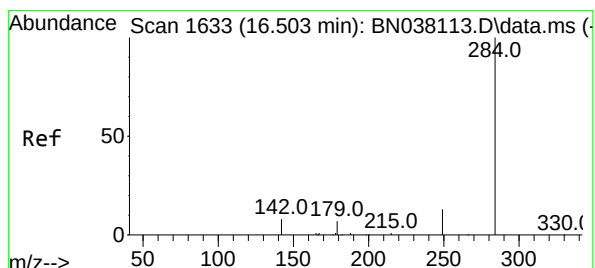
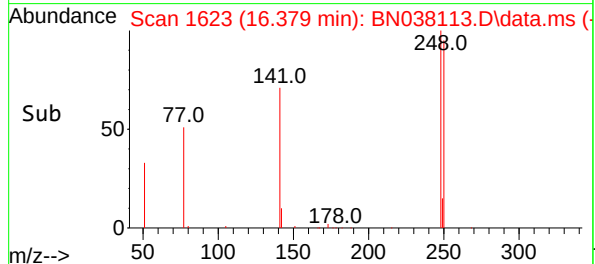
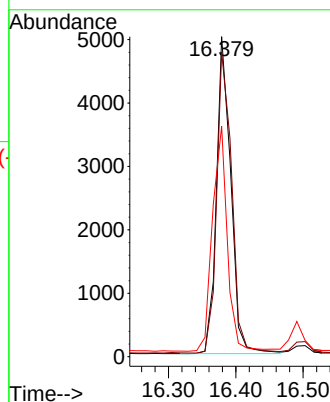
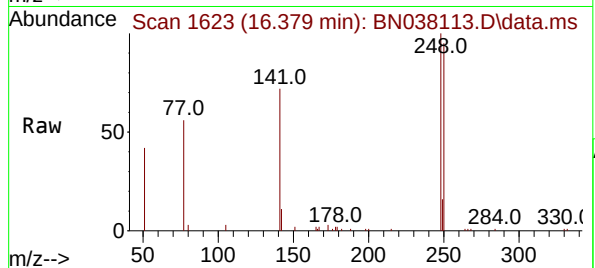




#21
4-Bromophenyl-phenylether
Concen: 0.381 ng
RT: 16.379 min Scan# 1623
Delta R.T. -0.000 min
Lab File: BN038113.D
Acq: 28 Oct 2025 14:13

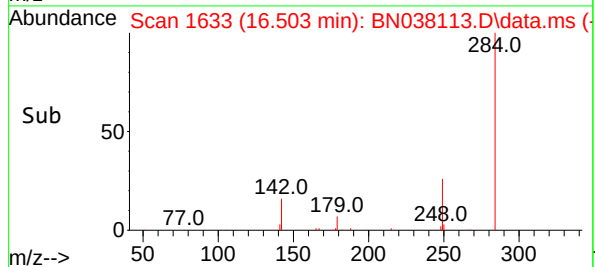
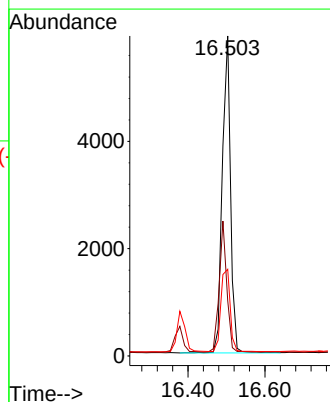
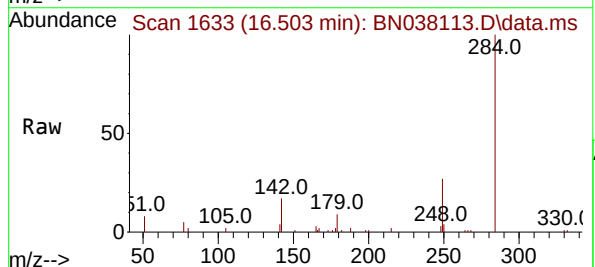
Instrument :
BNA_N
ClientSampleId :
SSTDICCC0.4

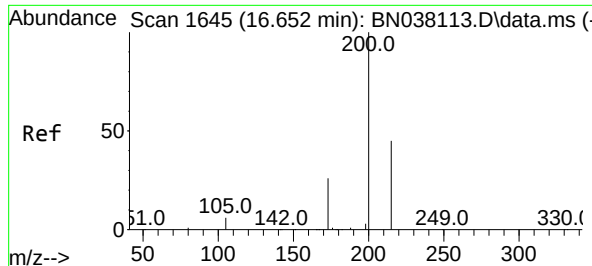
Tgt Ion:248 Resp: 7383
Ion Ratio Lower Upper
248 100
250 95.2 76.2 114.2
141 72.0 57.6 86.4



#22
Hexachlorobenzene
Concen: 0.398 ng
RT: 16.503 min Scan# 1633
Delta R.T. -0.000 min
Lab File: BN038113.D
Acq: 28 Oct 2025 14:13

Tgt Ion:284 Resp: 8778
Ion Ratio Lower Upper
284 100
142 38.1 30.5 45.7
249 29.4 23.5 35.3

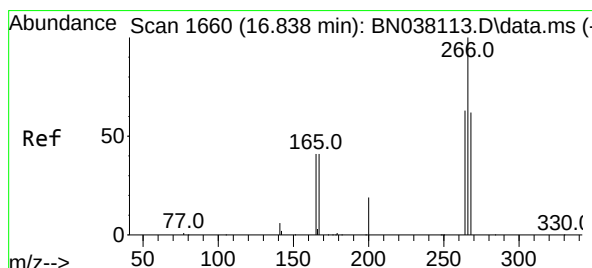
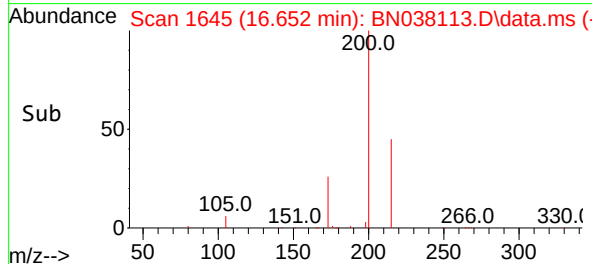
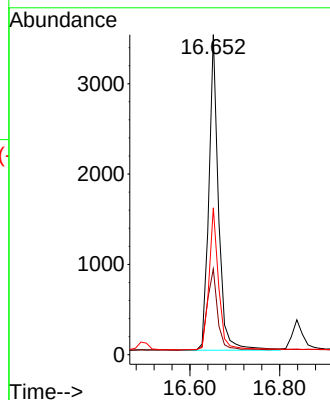
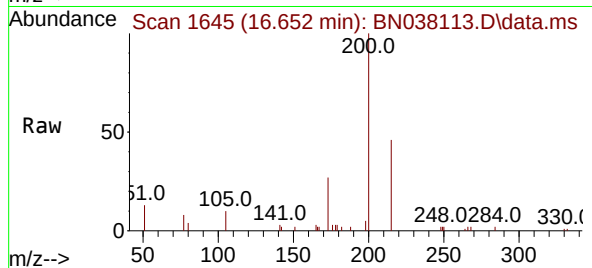




#23
Atrazine
Concen: 0.365 ng
RT: 16.652 min Scan# 1645
Delta R.T. -0.000 min
Lab File: BN038113.D
Acq: 28 Oct 2025 14:13

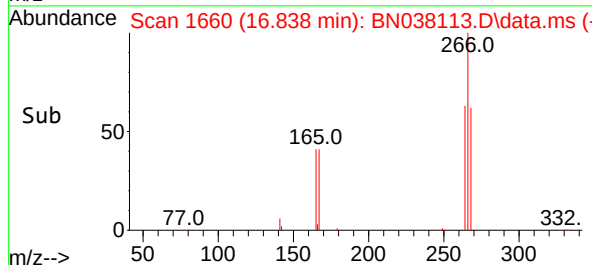
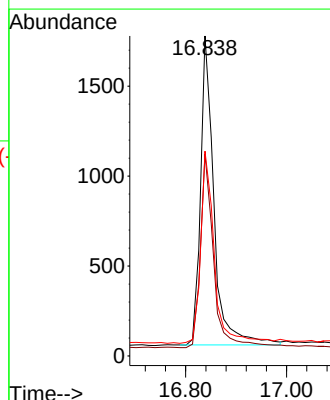
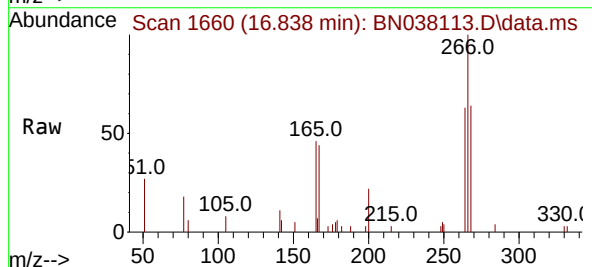
Instrument :
BNA_N
ClientSampleId :
SSTDICCC0.4

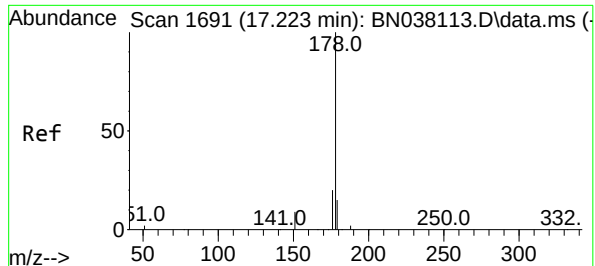
Tgt Ion	Ratio	Lower	Upper
200	100		
173	26.8	21.4	32.2
215	45.9	36.7	55.1



#24
Pentachlorophenol
Concen: 0.335 ng
RT: 16.838 min Scan# 1660
Delta R.T. -0.000 min
Lab File: BN038113.D
Acq: 28 Oct 2025 14:13

Tgt Ion	Ratio	Lower	Upper
266	100		
264	61.6	49.3	73.9
268	63.2	50.6	75.8

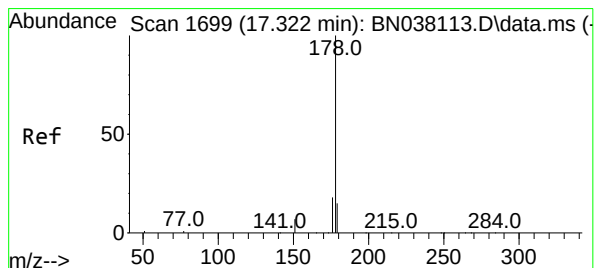
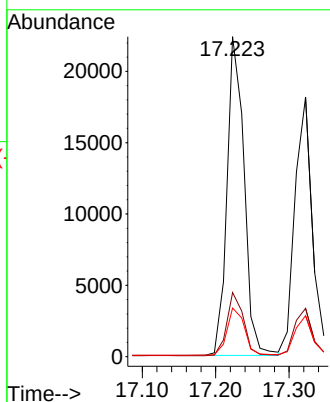
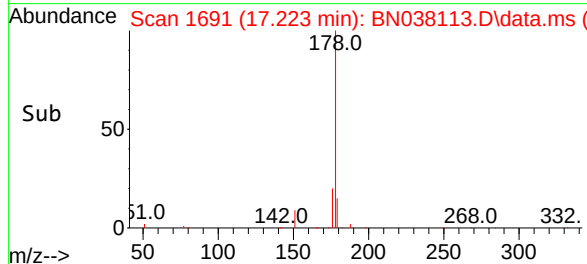
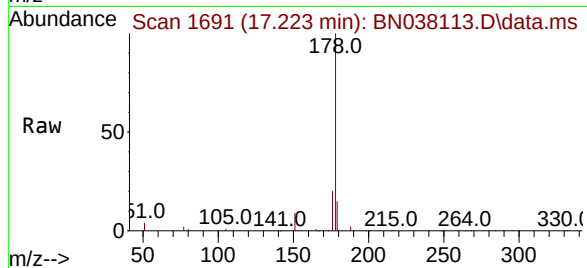




#25
Phenanthrene
Concen: 0.385 ng
RT: 17.223 min Scan# 1691
Delta R.T. -0.000 min
Lab File: BN038113.D
Acq: 28 Oct 2025 14:13

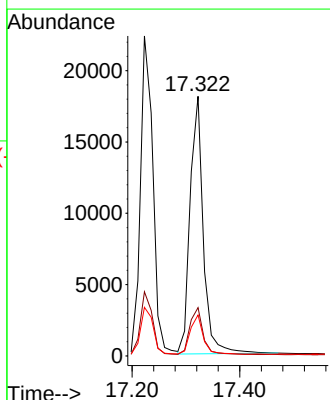
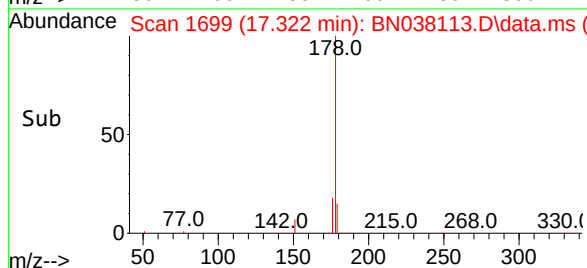
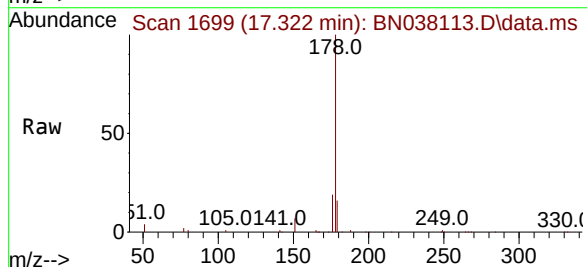
Instrument :
BNA_N
ClientSampleId :
SSTDICCC0.4

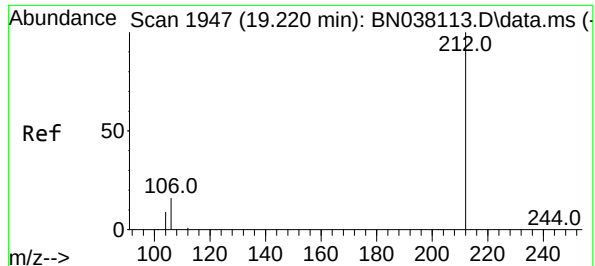
Tgt Ion:178 Resp: 36093
Ion Ratio Lower Upper
178 100
176 19.4 15.5 23.3
179 15.3 12.2 18.4



#26
Anthracene
Concen: 0.376 ng
RT: 17.322 min Scan# 1699
Delta R.T. -0.000 min
Lab File: BN038113.D
Acq: 28 Oct 2025 14:13

Tgt Ion:178 Resp: 30869
Ion Ratio Lower Upper
178 100
176 18.6 14.9 22.3
179 14.8 11.8 17.8





#27

Fluoranthene-d10

Concen: 0.379 ng

RT: 19.220 min Scan# 1947

Delta R.T. -0.000 min

Lab File: BN038113.D

Acq: 28 Oct 2025 14:13

Instrument :

BNA_N

ClientSampleId :

SSTDICCC0.4

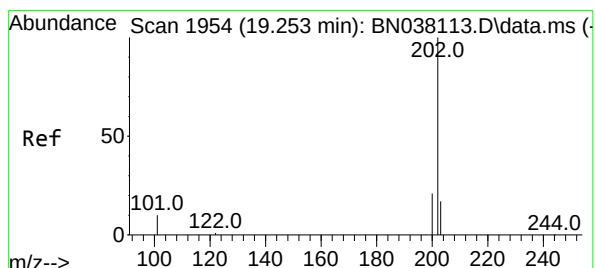
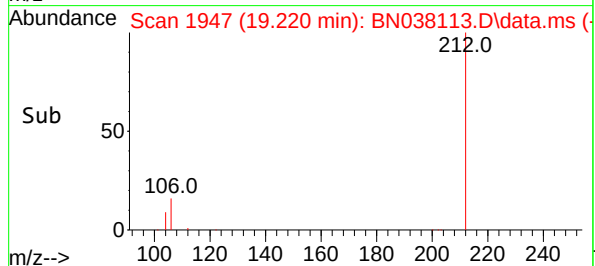
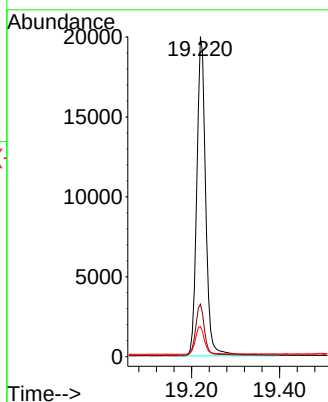
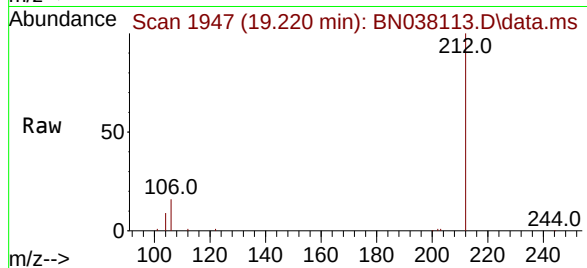
Tgt Ion:212 Resp: 28227

Ion Ratio Lower Upper

212 100

106 15.8 12.6 19.0

104 8.9 7.1 10.7



#28

Fluoranthene

Concen: 0.378 ng

RT: 19.253 min Scan# 1954

Delta R.T. -0.000 min

Lab File: BN038113.D

Acq: 28 Oct 2025 14:13

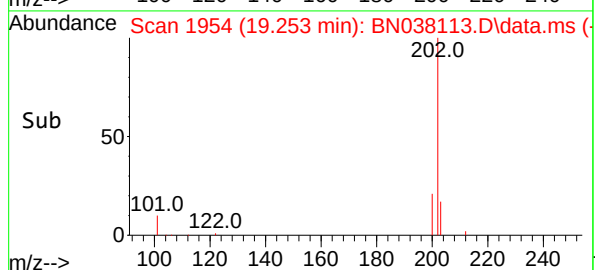
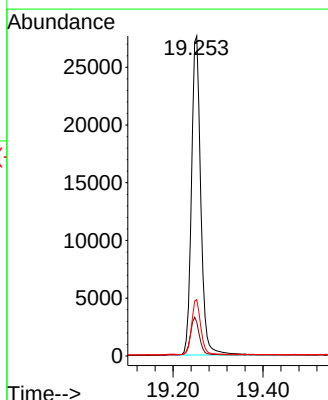
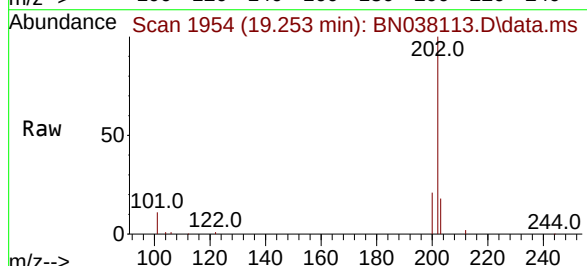
Tgt Ion:202 Resp: 39664

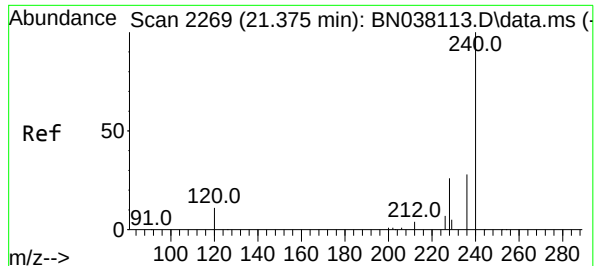
Ion Ratio Lower Upper

202 100

101 11.8 9.4 14.2

203 16.8 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: BN038113.D

Acq: 28 Oct 2025 14:13

Instrument :

BNA_N

ClientSampleId :

SSTDICCC0.4

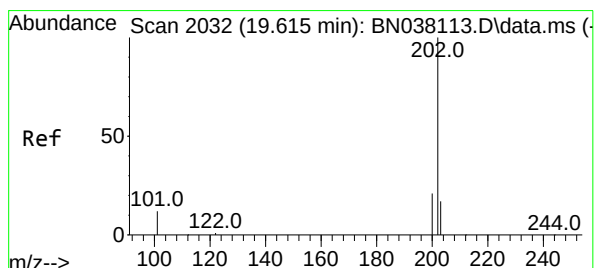
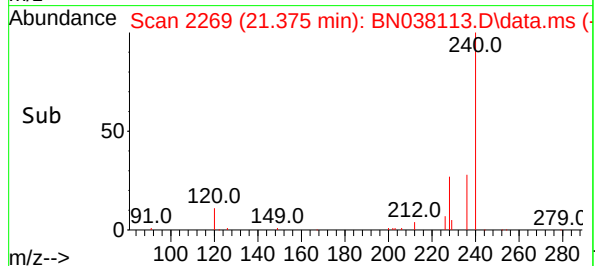
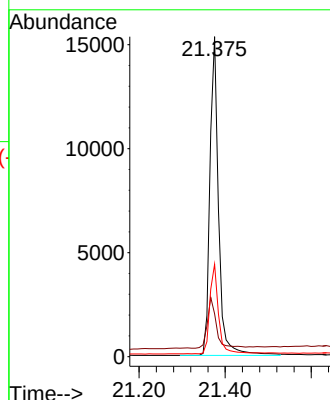
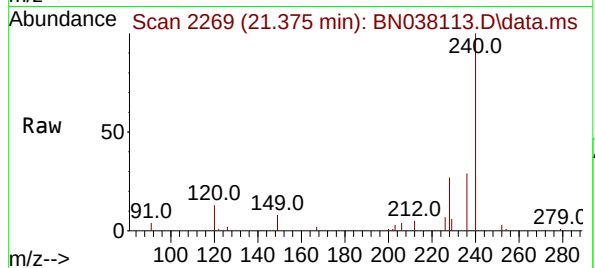
Tgt Ion:240 Resp: 21529

Ion Ratio Lower Upper

240 100

120 13.4 10.7 16.1

236 28.9 23.1 34.7



#30

Pyrene

Concen: 0.408 ng

RT: 19.615 min Scan# 2032

Delta R.T. 0.005 min

Lab File: BN038113.D

Acq: 28 Oct 2025 14:13

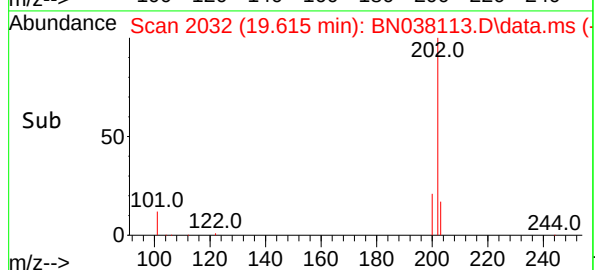
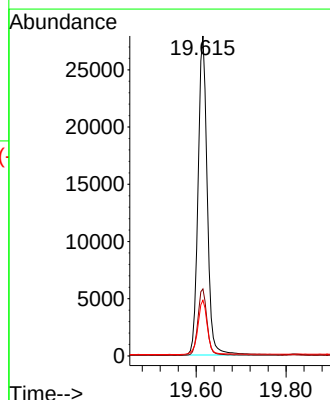
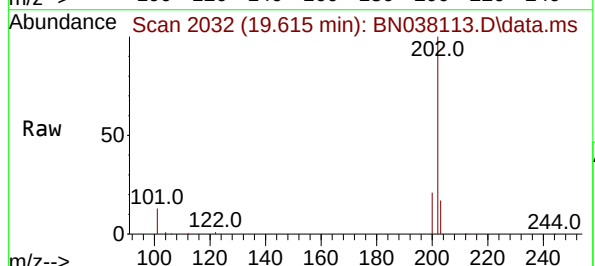
Tgt Ion:202 Resp: 39644

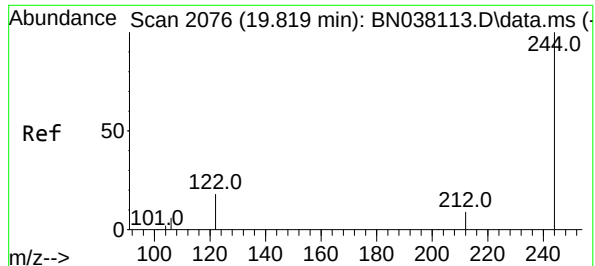
Ion Ratio Lower Upper

202 100

200 20.9 16.7 25.1

203 17.7 14.2 21.2

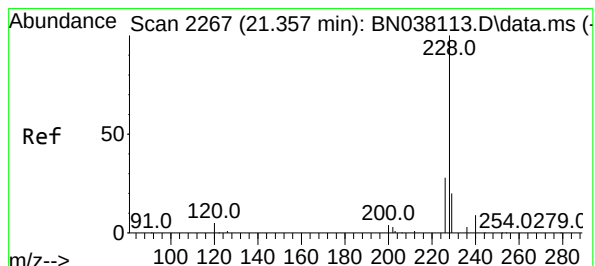
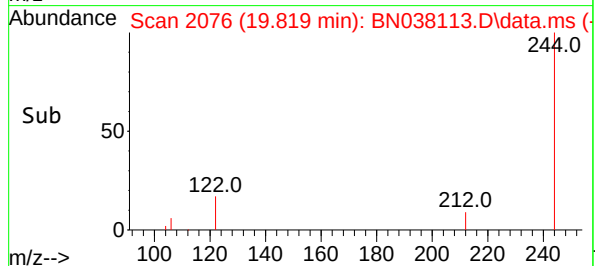
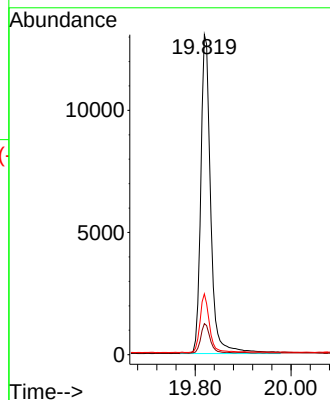
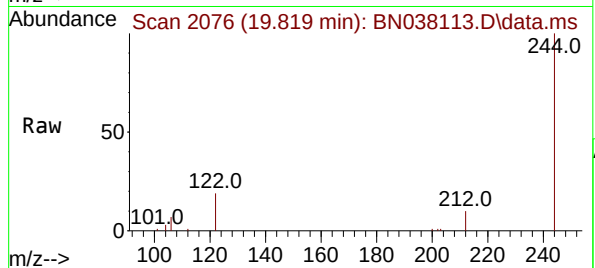




#31
Terphenyl-d14
Concen: 0.401 ng
RT: 19.819 min Scan# 2076
Delta R.T. -0.000 min
Lab File: BN038113.D
Acq: 28 Oct 2025 14:13

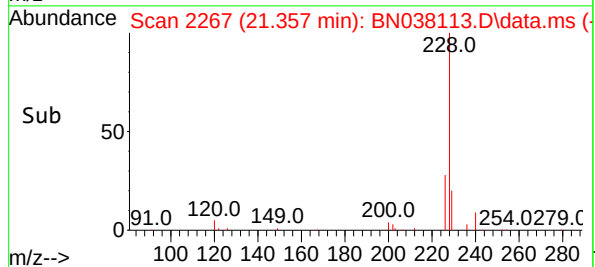
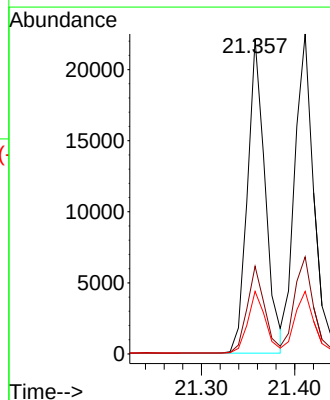
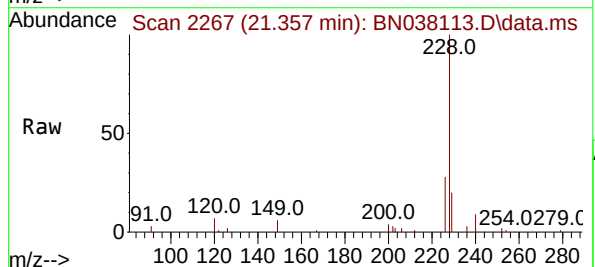
Instrument :
BNA_N
ClientSampleId :
SSTDICCC0.4

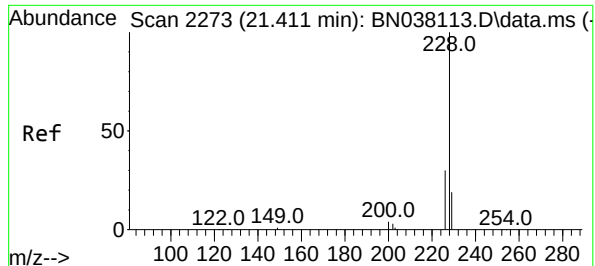
Tgt Ion:244 Resp: 18767
Ion Ratio Lower Upper
244 100
212 9.7 7.8 11.6
122 19.0 15.2 22.8



#32
Benzo(a)anthracene
Concen: 0.381 ng
RT: 21.357 min Scan# 2267
Delta R.T. -0.000 min
Lab File: BN038113.D
Acq: 28 Oct 2025 14:13

Tgt Ion:228 Resp: 29230
Ion Ratio Lower Upper
228 100
226 27.8 22.2 33.4
229 19.8 15.8 23.8





#33

Chrysene

Concen: 0.398 ng

RT: 21.411 min Scan# 21

Delta R.T. -0.000 min

Lab File: BN038113.D

Acq: 28 Oct 2025 14:13

Instrument :

BNA_N

ClientSampleId :

SSTDICCC0.4

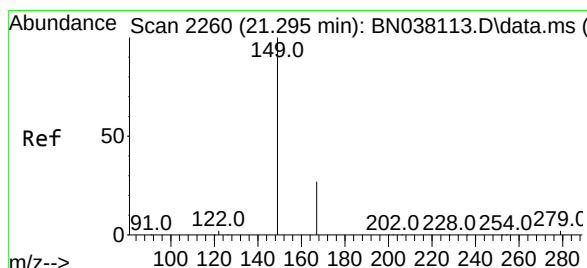
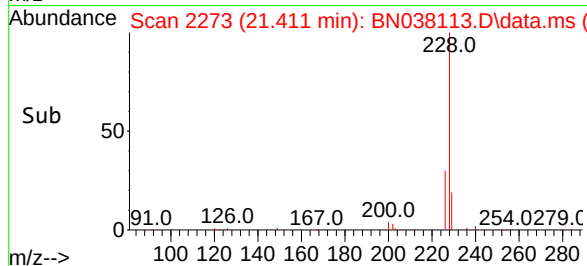
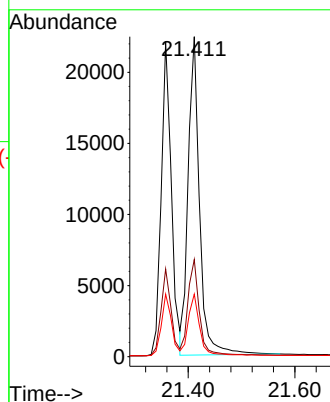
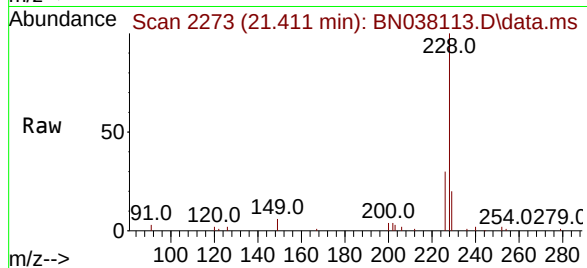
Tgt Ion:228 Resp: 33214

Ion Ratio Lower Upper

228 100

226 30.4 24.3 36.5

229 19.6 15.7 23.5



#34

Bis(2-ethylhexyl)phthalate

Concen: 0.384 ng

RT: 21.295 min Scan# 2260

Delta R.T. -0.000 min

Lab File: BN038113.D

Acq: 28 Oct 2025 14:13

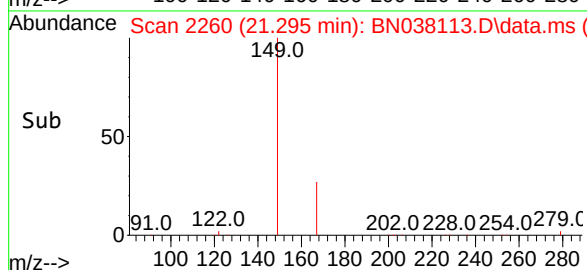
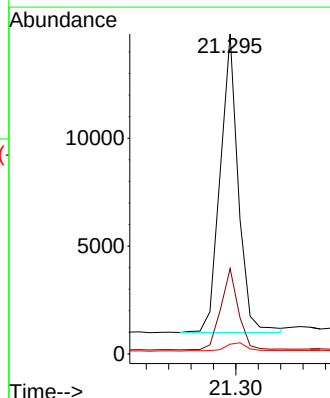
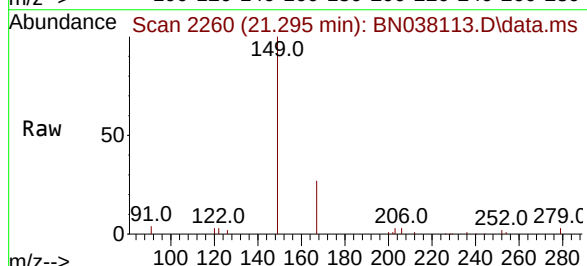
Tgt Ion:149 Resp: 15540

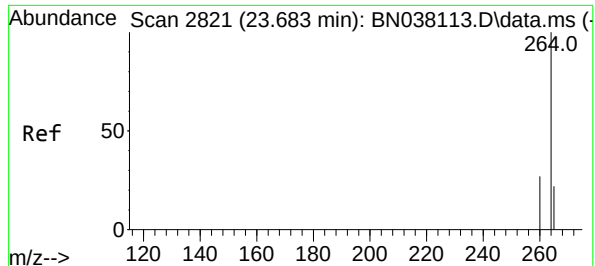
Ion Ratio Lower Upper

149 100

167 26.4 21.1 31.7

279 3.6 2.9 4.3





#35

Perylene-d12

Concen: 0.400 ng

RT: 23.683 min Scan# 21

Delta R.T. 0.003 min

Lab File: BN038113.D

Acq: 28 Oct 2025 14:13

Instrument :

BNA_N

ClientSampleId :

SSTDICCC0.4

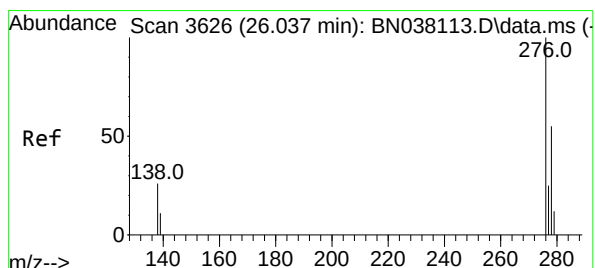
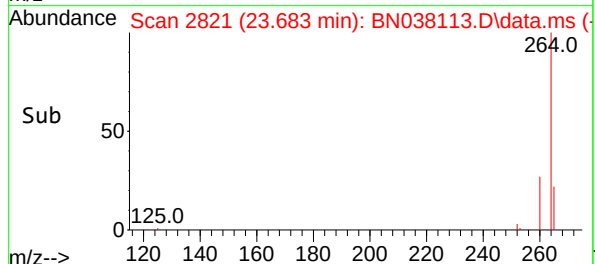
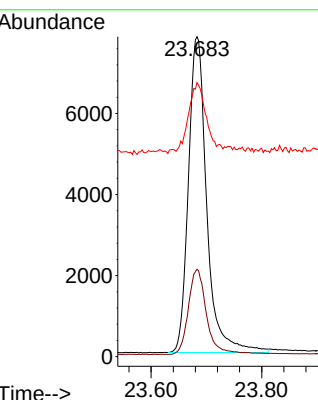
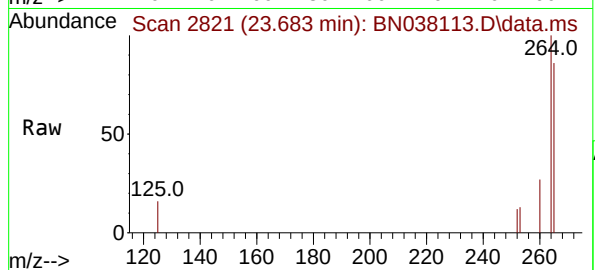
Tgt Ion:264 Resp: 17966

Ion Ratio Lower Upper

264 100

260 27.3 21.8 32.8

265 85.7 68.6 102.8



#36

Indeno(1,2,3-cd)pyrene

Concen: 0.390 ng

RT: 26.037 min Scan# 3626

Delta R.T. 0.003 min

Lab File: BN038113.D

Acq: 28 Oct 2025 14:13

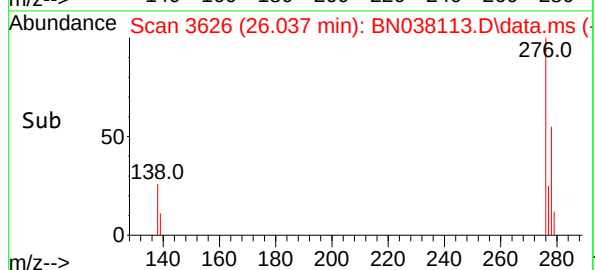
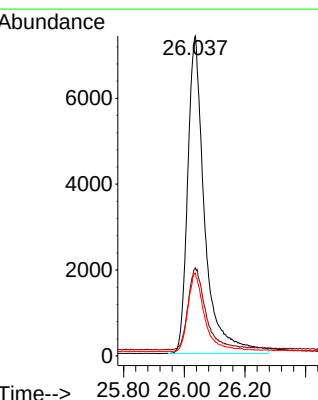
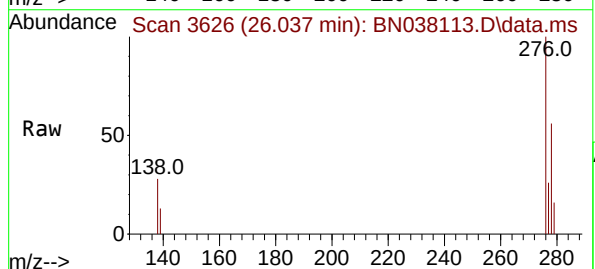
Tgt Ion:276 Resp: 28812

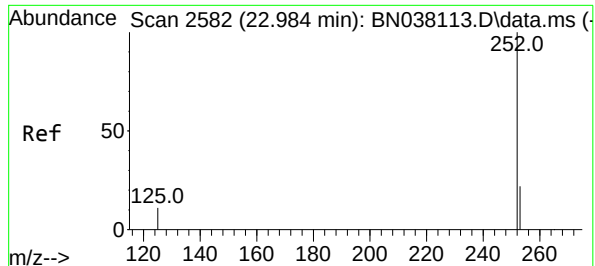
Ion Ratio Lower Upper

276 100

138 26.7 21.4 32.0

277 24.0 19.2 28.8





#37

Benzo(b)fluoranthene

Concen: 0.381 ng

RT: 22.984 min Scan# 2582

Delta R.T. 0.003 min

Lab File: BN038113.D

Acq: 28 Oct 2025 14:13

Instrument :

BNA_N

ClientSampleId :

SSTDICCC0.4

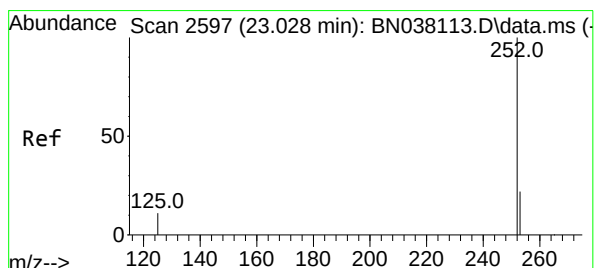
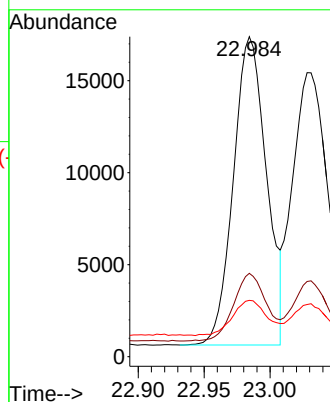
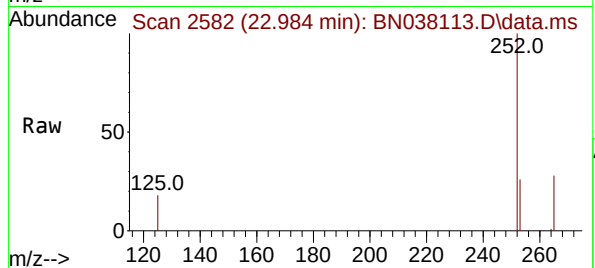
Tgt Ion:252 Resp: 29283

Ion Ratio Lower Upper

252 100

253 26.1 20.9 31.3

125 17.6 14.1 21.1



#38

Benzo(k)fluoranthene

Concen: 0.376 ng

RT: 23.028 min Scan# 2597

Delta R.T. -0.000 min

Lab File: BN038113.D

Acq: 28 Oct 2025 14:13

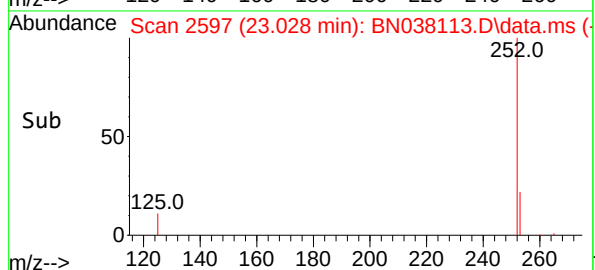
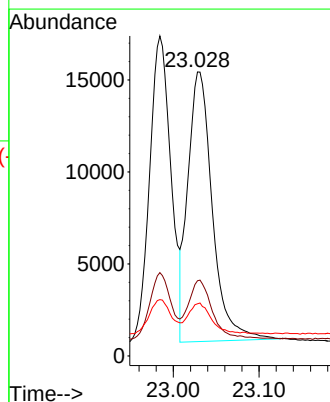
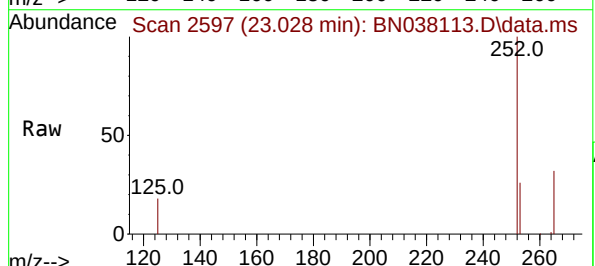
Tgt Ion:252 Resp: 29088

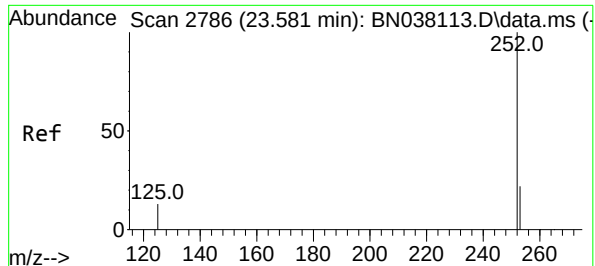
Ion Ratio Lower Upper

252 100

253 26.5 21.2 31.8

125 18.3 14.6 22.0





#39

Benzo(a)pyrene

Concen: 0.384 ng

RT: 23.581 min Scan# 21

Delta R.T. 0.003 min

Lab File: BN038113.D

Acq: 28 Oct 2025 14:13

Instrument :

BNA_N

ClientSampleId :

SSTDICCC0.4

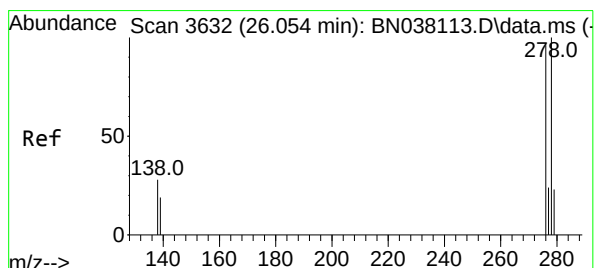
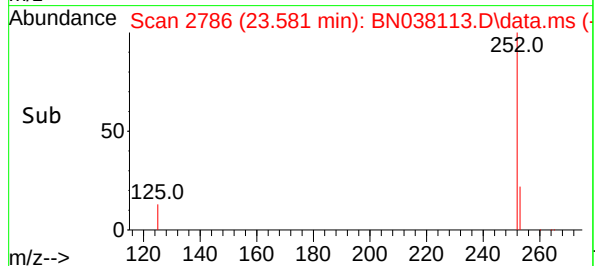
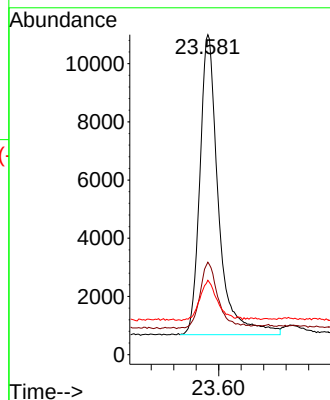
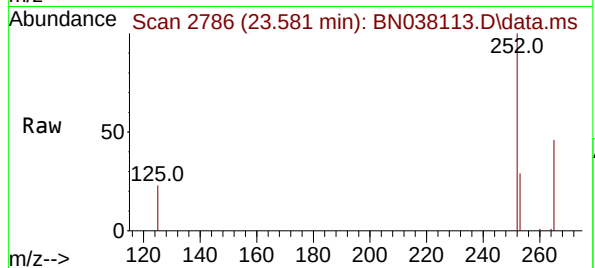
Tgt Ion:252 Resp: 23635

Ion Ratio Lower Upper

252 100

253 28.9 23.1 34.7

125 23.3 18.6 28.0



#40

Dibenzo(a,h)anthracene

Concen: 0.378 ng

RT: 26.054 min Scan# 3632

Delta R.T. 0.006 min

Lab File: BN038113.D

Acq: 28 Oct 2025 14:13

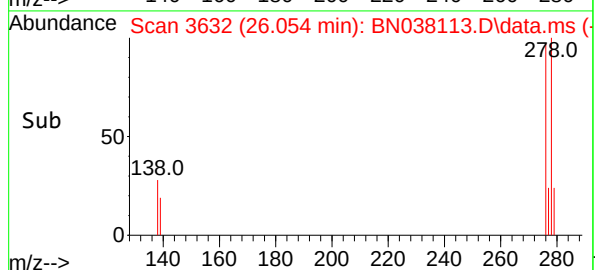
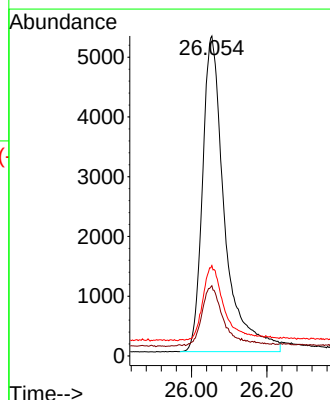
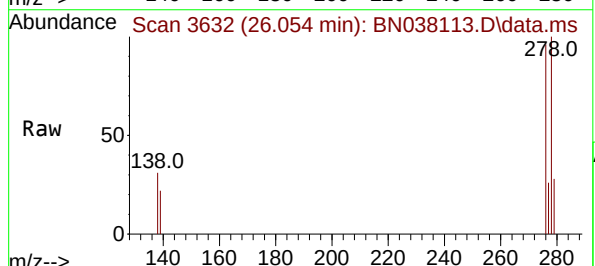
Tgt Ion:278 Resp: 21487

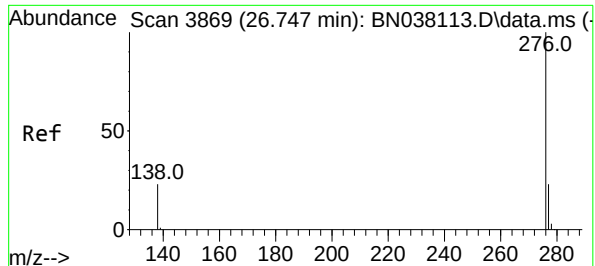
Ion Ratio Lower Upper

278 100

139 22.0 17.6 26.4

279 28.2 22.6 33.8





#41

Benzo(g,h,i)perylene

Concen: 0.395 ng

RT: 26.747 min Scan# 3869

Delta R.T. -0.003 min

Lab File: BN038113.D

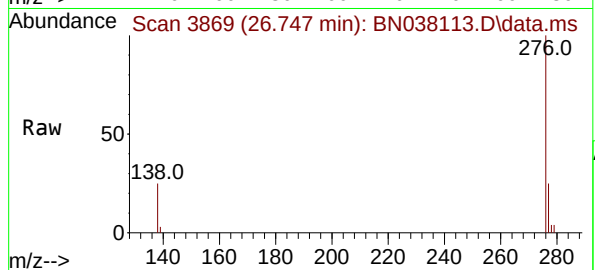
Acq: 28 Oct 2025 14:13

Instrument :

BNA_N

ClientSampleId :

SSTDICCC0.4



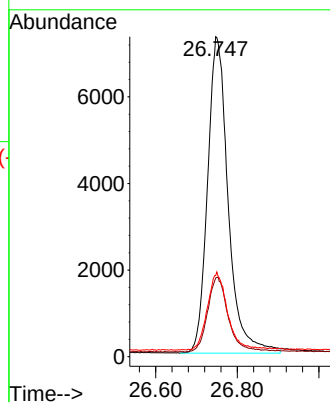
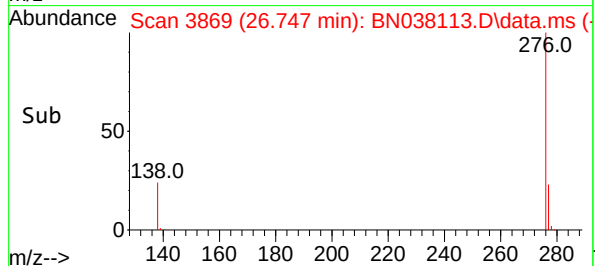
Tgt Ion:276 Resp: 25622

Ion Ratio Lower Upper

276 100

277 24.6 19.7 29.5

138 25.3 20.2 30.4



Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN102825\
 Data File : BN038114.D
 Acq On : 28 Oct 2025 14:49
 Operator : RC/JU
 Sample : SSTDICC0.8
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :

BNA_N

ClientSampleId :

SSTDICC0.8

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 10/29/2025

Supervised By :mohammad ahmed 10/30/2025

Quant Time: Oct 28 17:31:46 2025

Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN102825.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Tue Oct 28 17:15:13 2025

Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.775	152	9110	0.400	ng	0.00
7) Naphthalene-d8	10.584	136	27131	0.400	ng	0.01
13) Acenaphthene-d10	14.441	164	14920	0.400	ng	0.01
19) Phenanthrene-d10	17.186	188	28506	0.400	ng	0.00
29) Chrysene-d12	21.375	240	23535	0.400	ng	0.00
35) Perylene-d12	23.683	264	20307	0.400	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.348	112	16552	0.771	ng	0.00
5) Phenol-d6	6.937	99	19989	0.765	ng	0.00
8) Nitrobenzene-d5	8.929	82	16332	0.746	ng	0.00
11) 2-Methylnaphthalene-d10	12.177	152	29806	0.769	ng	0.00
14) 2,4,6-Tribromophenol	15.932	330	4525	0.736	ng	0.00
15) 2-Fluorobiphenyl	13.062	172	46843	0.784	ng	0.01
27) Fluoranthene-d10	19.220	212	55912	0.778	ng	0.00
31) Terphenyl-d14	19.819	244	37975	0.743	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	3.254	88	7707	0.819	ng	99
3) n-Nitrosodimethylamine	3.564	42	9598	0.792	ng	# 100
6) bis(2-Chloroethyl)ether	7.197	93	20444	0.796	ng	99
9) Naphthalene	10.626	128	58627	0.784	ng	99
10) Hexachlorobutadiene	10.925	225	9875	0.783	ng	# 98
12) 2-Methylnaphthalene	12.248	142	38674	0.776	ng	98
16) Acenaphthylene	14.152	152	52624	0.779	ng	99
17) Acenaphthene	14.494	154	36845	0.779	ng	100
18) Fluorene	15.489	166	49204	0.794	ng	100
20) 4,6-Dinitro-2-methylph...	15.560	198	2898	0.689	ng	# 69
21) 4-Bromophenyl-phenylether	16.379	248	14571	0.780	ng	97
22) Hexachlorobenzene	16.503	284	16700	0.786	ng	99
23) Atrazine	16.652	200	10204	0.745	ng	99
24) Pentachlorophenol	16.838	266	6470	0.707	ng	99
25) Phenanthrene	17.223	178	70455	0.779	ng	100
26) Anthracene	17.322	178	60270	0.761	ng	100
28) Fluoranthene	19.253	202	79478	0.786	ng	100
30) Pyrene	19.615	202	78307	0.737	ng	100
32) Benzo(a)anthracene	21.357	228	64140	0.764	ng	100
33) Chrysene	21.411	228	71675	0.787	ng	100
34) Bis(2-ethylhexyl)phtha...	21.295	149	32963	0.745	ng	99
36) Indeno(1,2,3-cd)pyrene	26.039	276	65796	0.789	ng	99
37) Benzo(b)fluoranthene	22.984	252	69912m	0.805	ng	
38) Benzo(k)fluoranthene	23.031	252	67771	0.776	ng	# 93
39) Benzo(a)pyrene	23.578	252	53367	0.768	ng	# 90
40) Dibenzo(a,h)anthracene	26.054	278	50344	0.784	ng	95
41) Benzo(g,h,i)perylene	26.753	276	58155	0.793	ng	99

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

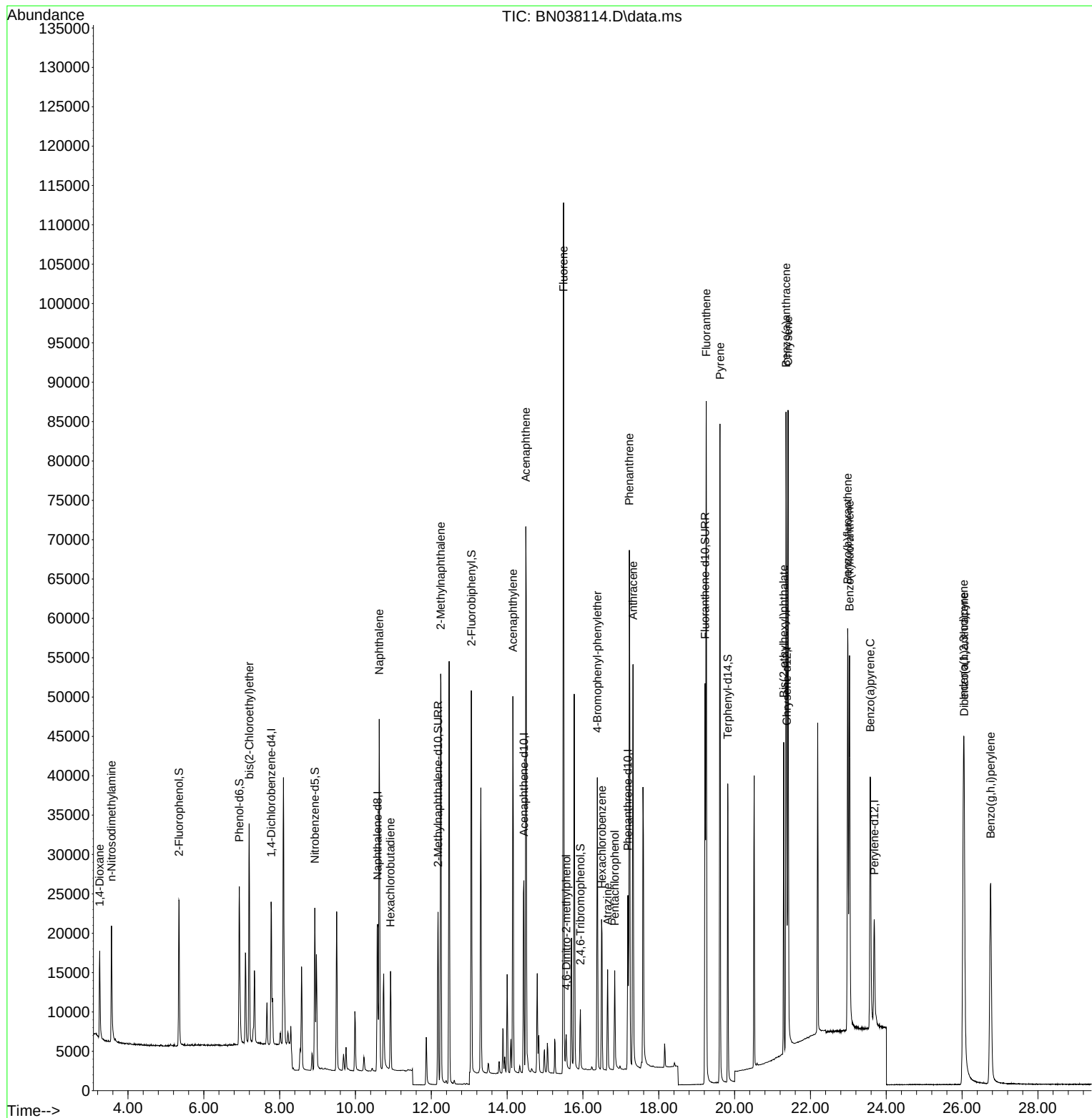
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN102825\
Data File : BN038114.D
Acq On : 28 Oct 2025 14:49
Operator : RC/JU
Sample : SSTDICC0.8
Misc :
ALS Vial : 5 Sample Multiplier: 1

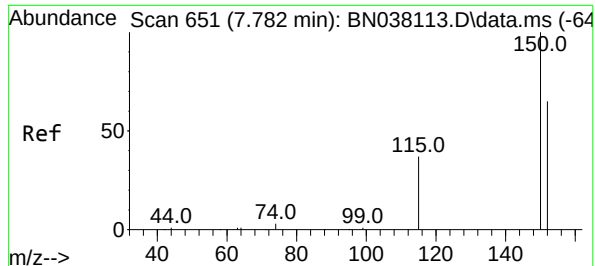
Instrument :
BNA_N
ClientSampleId :
SSTDICC0.8

Quant Time: Oct 28 17:31:46 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN102825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Oct 28 17:15:13 2025
Response via : Initial Calibration

Manual Integrations
APPROVED

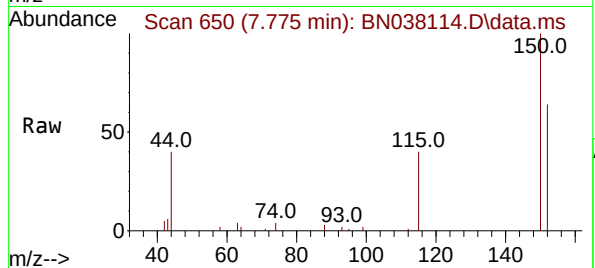
Reviewed By :Rahul Chavli 10/29/2025
Supervised By :mohammad ahmed 10/30/2025





#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.775 min Scan# 61
Delta R.T. -0.000 min
Lab File: BN038114.D
Acq: 28 Oct 2025 14:49

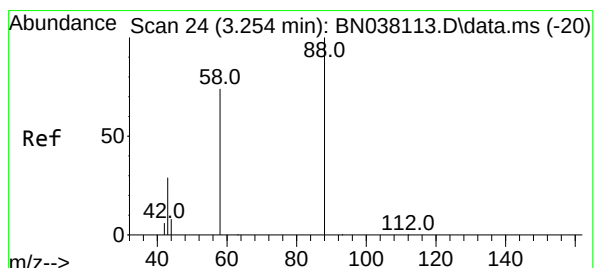
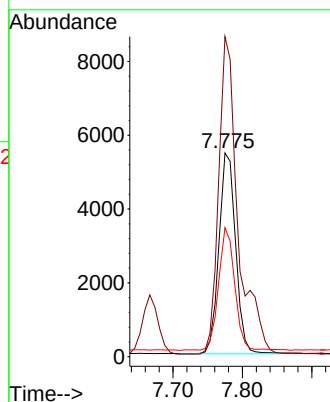
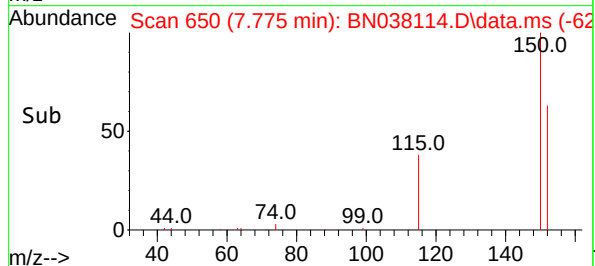
Instrument :
BNA_N
ClientSampleId :
SSTDICC0.8



Tgt Ion:152 Resp: 9110
Ion Ratio Lower Upper
152 100
150 157.1 122.3 183.5
115 63.4 47.4 71.0

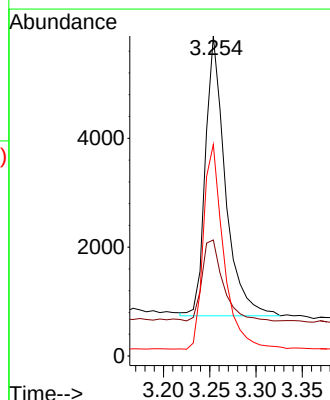
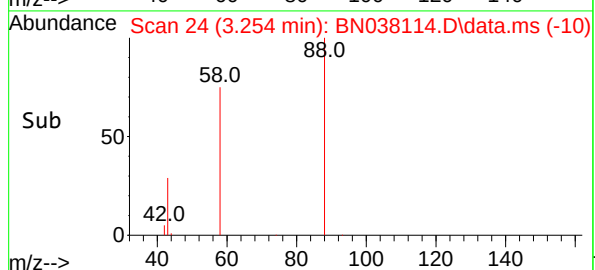
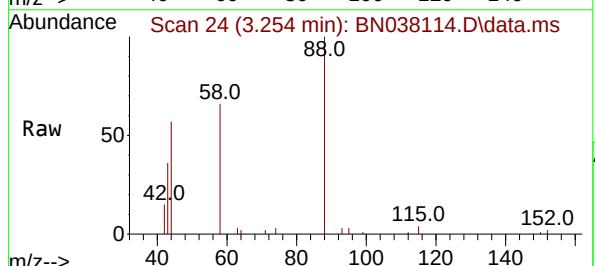
Manual Integrations
APPROVED

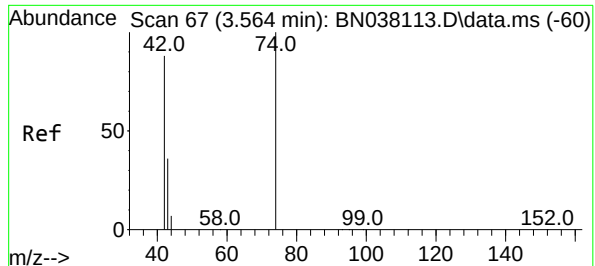
Reviewed By :Rahul Chavli 10/29/2025
Supervised By :mohammad ahmed 10/30/2025



#2
1,4-Dioxane
Concen: 0.819 ng
RT: 3.254 min Scan# 24
Delta R.T. -0.000 min
Lab File: BN038114.D
Acq: 28 Oct 2025 14:49

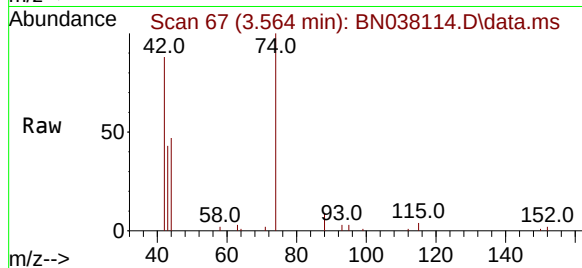
Tgt Ion: 88 Resp: 7707
Ion Ratio Lower Upper
88 100
43 30.6 24.3 36.5
58 74.3 60.4 90.6





#3
n-Nitrosodimethylamine
Concen: 0.792 ng
RT: 3.564 min Scan# 61
Delta R.T. 0.007 min
Lab File: BN038114.D
Acq: 28 Oct 2025 14:49

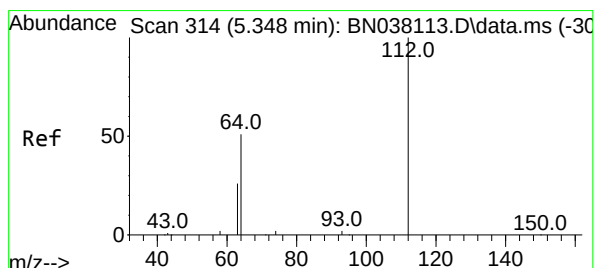
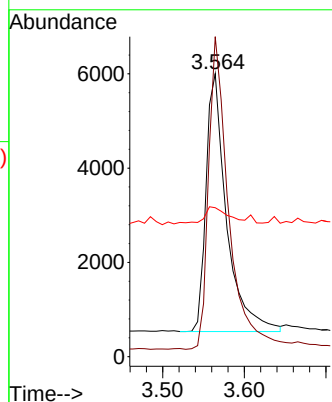
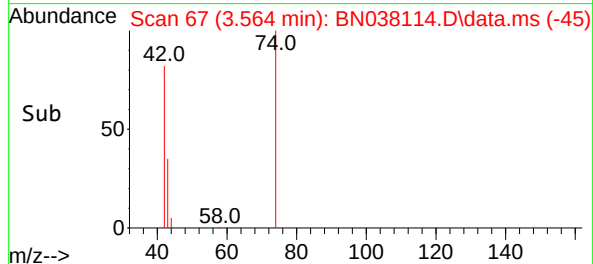
Instrument :
BNA_N
ClientSampleId :
SSTDICC0.8



Tgt Ion: 42 Resp: 9598
Ion Ratio Lower Upper
42 100
74 120.8 96.8 145.2
44 8.8 5.3 7.9

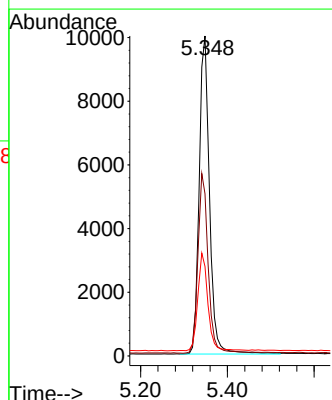
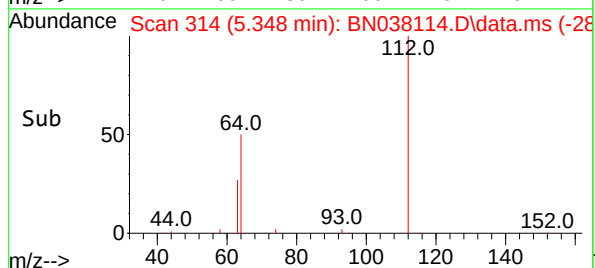
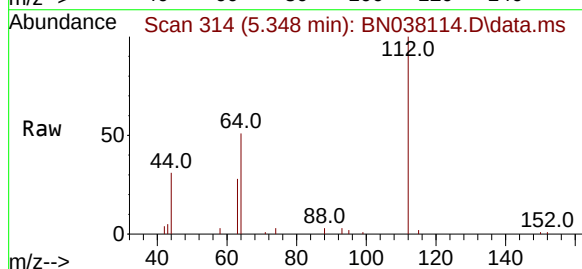
Manual Integrations
APPROVED

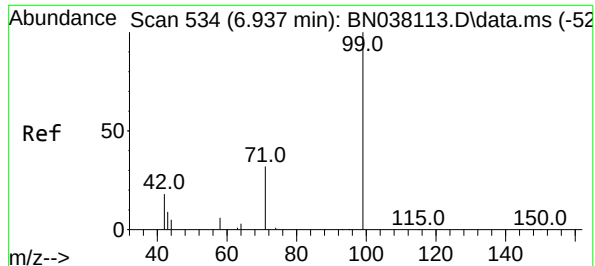
Reviewed By :Rahul Chavli 10/29/2025
Supervised By :mohammad ahmed 10/30/2025



#4
2-Fluorophenol
Concen: 0.771 ng
RT: 5.348 min Scan# 314
Delta R.T. -0.000 min
Lab File: BN038114.D
Acq: 28 Oct 2025 14:49

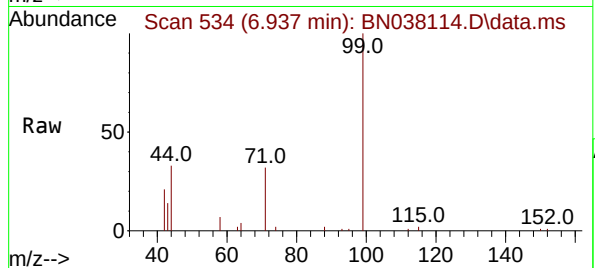
Tgt Ion:112 Resp: 16552
Ion Ratio Lower Upper
112 100
64 55.7 45.4 68.0
63 30.2 23.2 34.8





#5
Phenol-d6
Concen: 0.765 ng
RT: 6.937 min Scan# 51
Delta R.T. -0.000 min
Lab File: BN038114.D
Acq: 28 Oct 2025 14:49

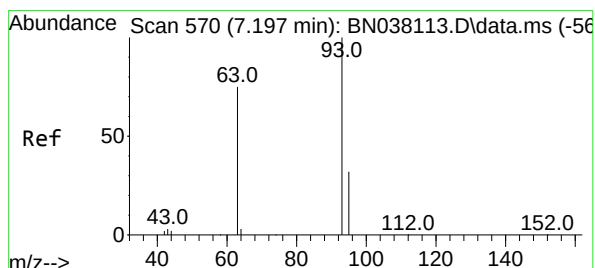
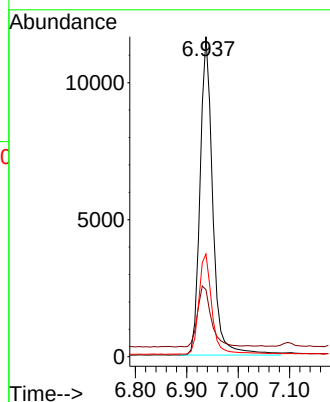
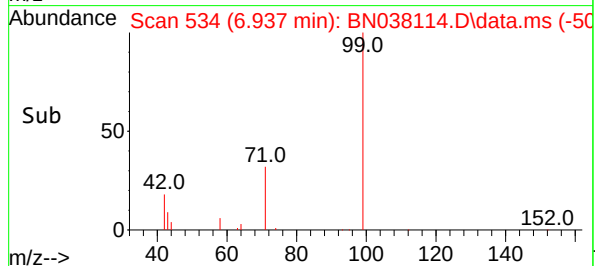
Instrument :
BNA_N
ClientSampleId :
SSTDICC0.8



Tgt Ion: 99 Resp: 19989
Ion Ratio Lower Upper
99 100
42 20.7 16.6 24.8
71 33.2 25.4 38.2

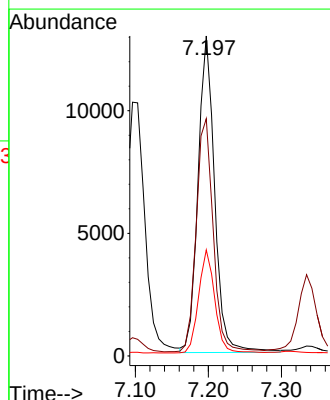
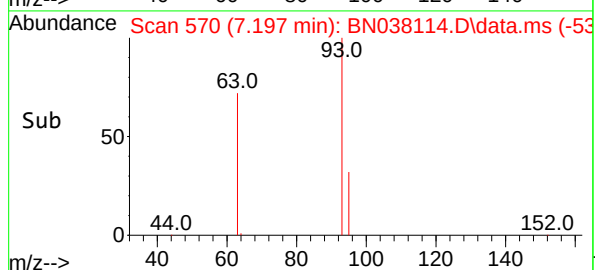
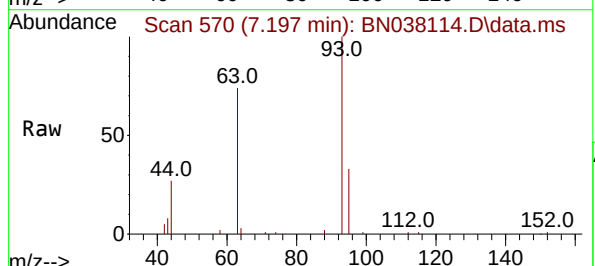
Manual Integrations
APPROVED

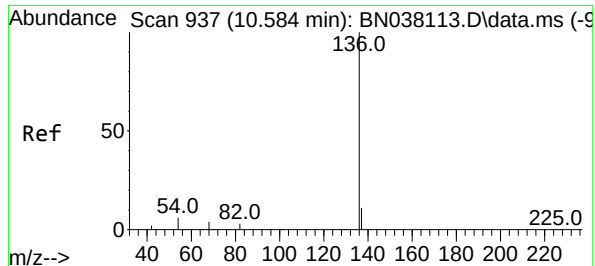
Reviewed By :Rahul Chavli 10/29/2025
Supervised By :mohammad ahmed 10/30/2025



#6
bis(2-Chloroethyl)ether
Concen: 0.796 ng
RT: 7.197 min Scan# 570
Delta R.T. -0.000 min
Lab File: BN038114.D
Acq: 28 Oct 2025 14:49

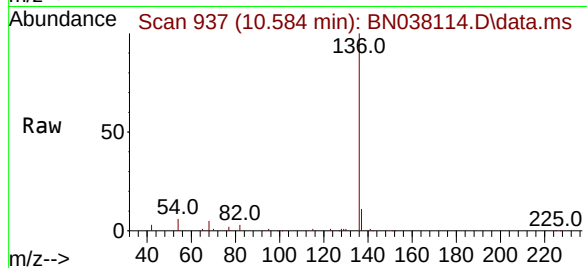
Tgt Ion: 93 Resp: 20444
Ion Ratio Lower Upper
93 100
63 75.0 59.3 88.9
95 31.6 25.2 37.8





#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.584 min Scan# 911
Delta R.T. 0.011 min
Lab File: BN038114.D
Acq: 28 Oct 2025 14:49

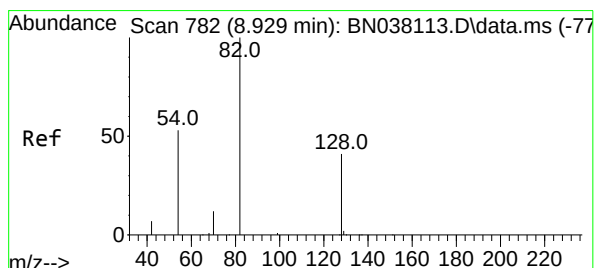
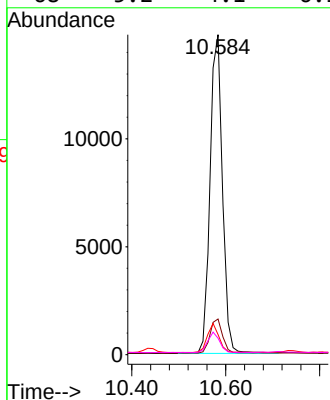
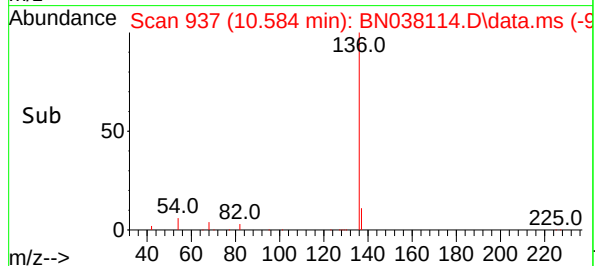
Instrument :
BNA_N
ClientSampleId :
SSTDICC0.8



Tgt Ion:136 Resp: 2713
Ion Ratio Lower Upper
136 100
137 11.1 9.0 13.4
54 6.3 5.2 7.8
68 5.2 4.1 6.1

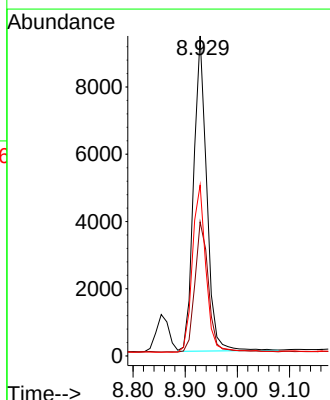
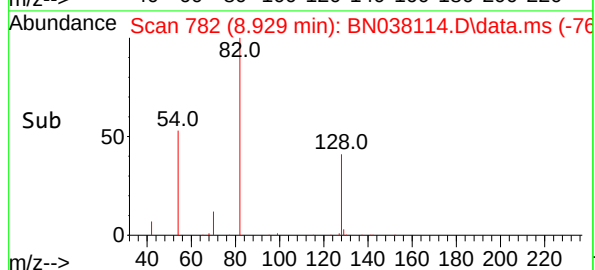
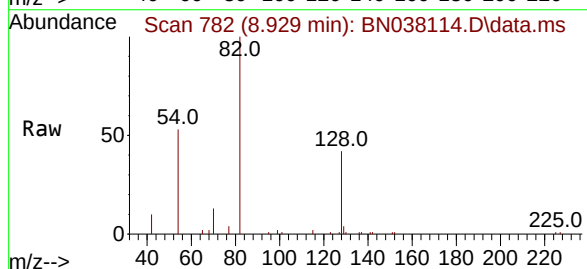
Manual Integrations
APPROVED

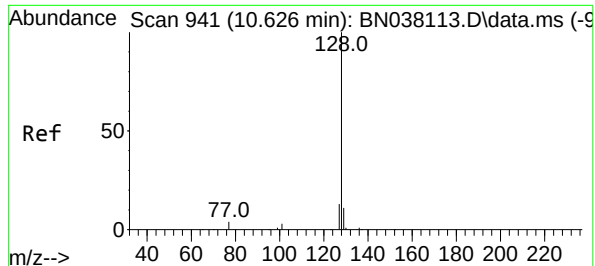
Reviewed By :Rahul Chavli 10/29/2025
Supervised By :mohammad ahmed 10/30/2025



#8
Nitrobenzene-d5
Concen: 0.746 ng
RT: 8.929 min Scan# 782
Delta R.T. -0.000 min
Lab File: BN038114.D
Acq: 28 Oct 2025 14:49

Tgt Ion: 82 Resp: 16332
Ion Ratio Lower Upper
82 100
128 41.9 34.1 51.1
54 53.4 43.5 65.3





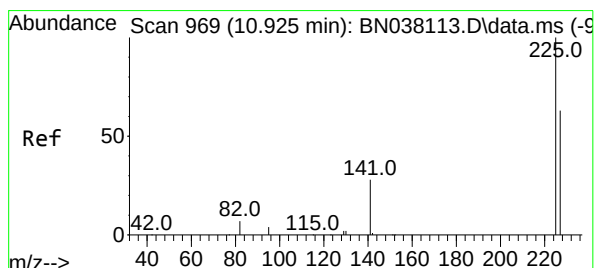
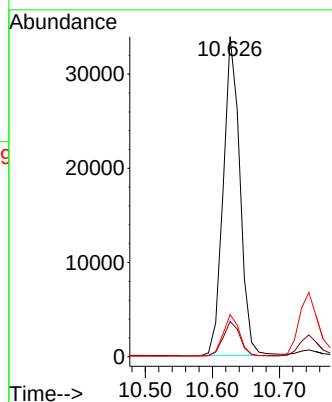
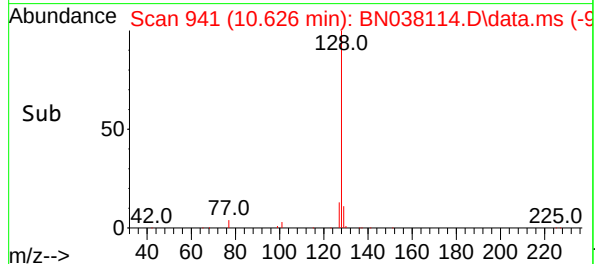
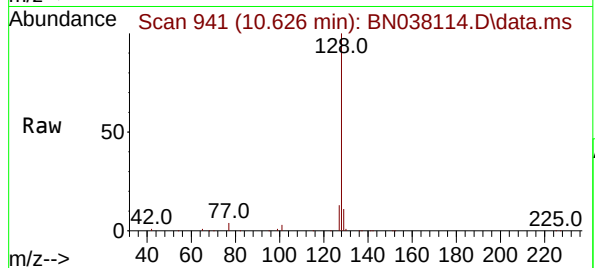
#9
Naphthalene
Concen: 0.784 ng
RT: 10.626 min Scan# 941
Delta R.T. -0.000 min
Lab File: BN038114.D
Acq: 28 Oct 2025 14:49

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.8

Tgt Ion:128 Resp: 5862
Ion Ratio Lower Upper
128 100
129 11.0 9.1 13.7
127 13.2 10.5 15.7

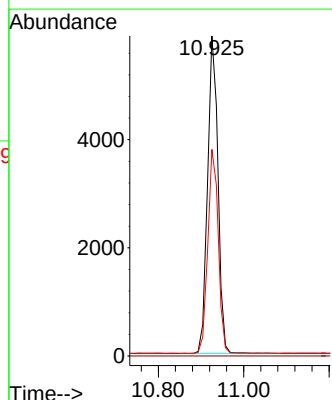
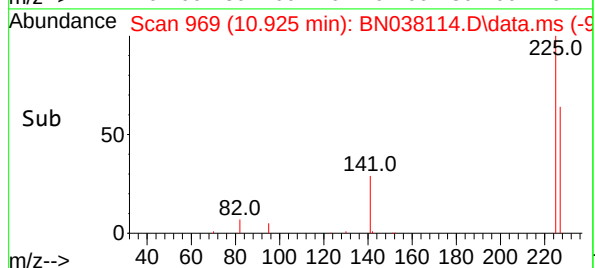
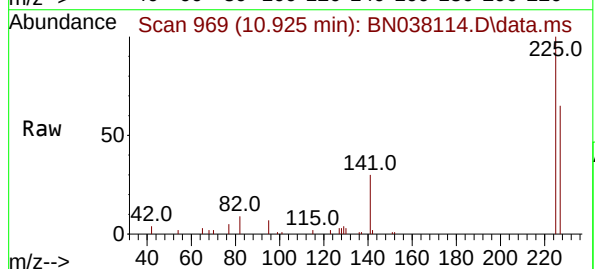
Manual Integrations
APPROVED

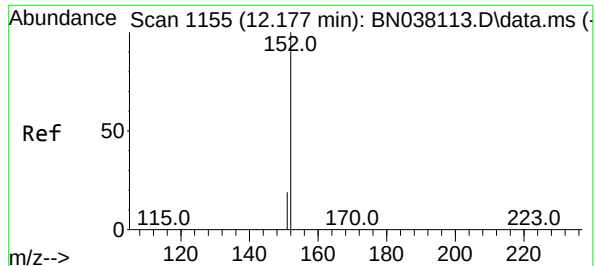
Reviewed By :Rahul Chavli 10/29/2025
Supervised By :mohammad ahmed 10/30/2025



#10
Hexachlorobutadiene
Concen: 0.783 ng
RT: 10.925 min Scan# 969
Delta R.T. -0.000 min
Lab File: BN038114.D
Acq: 28 Oct 2025 14:49

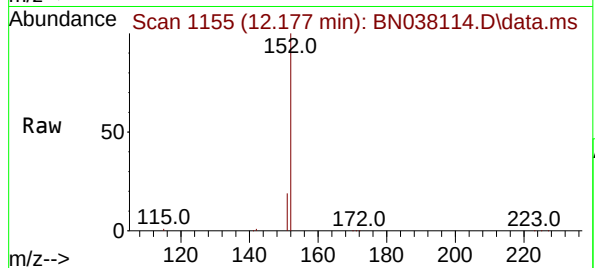
Tgt Ion:225 Resp: 9875
Ion Ratio Lower Upper
225 100
223 0.0 0.0 0.0
227 64.8 50.3 75.5





#11
2-Methylnaphthalene-d10
Concen: 0.769 ng
RT: 12.177 min Scan# 1155
Delta R.T. -0.000 min
Lab File: BN038114.D
Acq: 28 Oct 2025 14:49

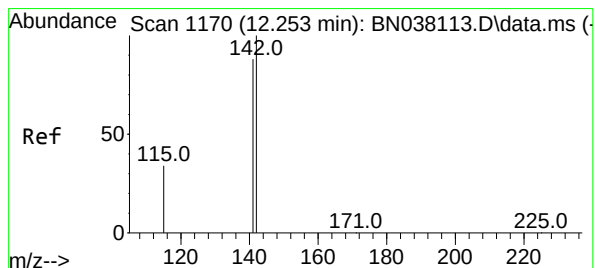
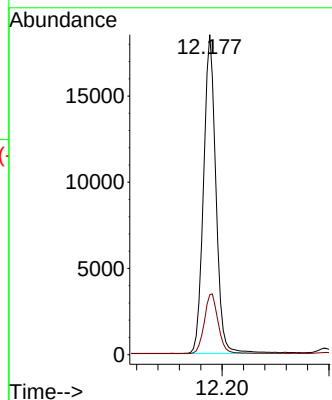
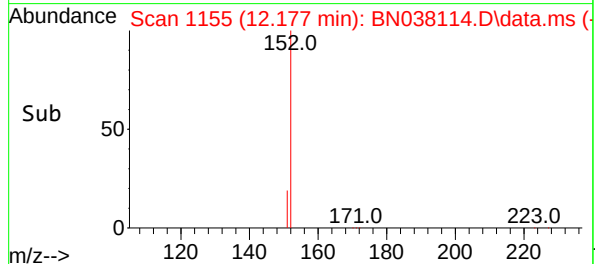
Instrument :
BNA_N
ClientSampleId :
SSTDICC0.8



Tgt Ion:152 Resp: 29800
Ion Ratio Lower Upper
152 100
151 21.2 16.8 25.2

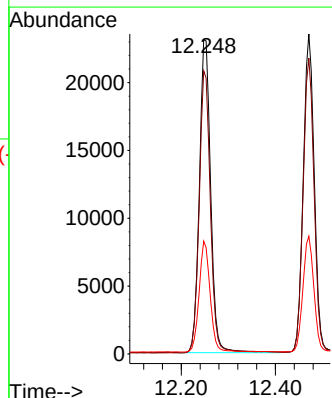
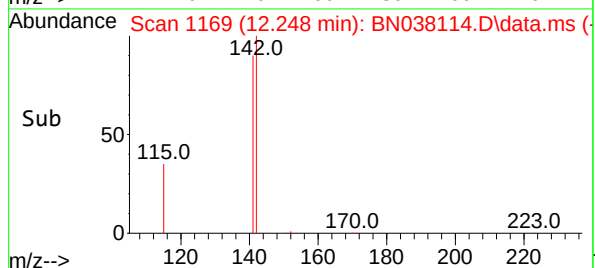
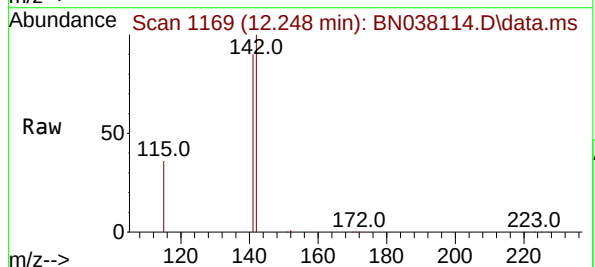
Manual Integrations
APPROVED

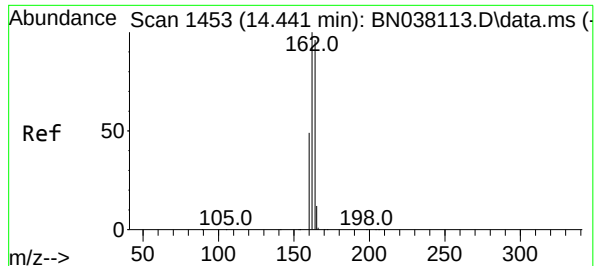
Reviewed By :Rahul Chavli 10/29/2025
Supervised By :mohammad ahmed 10/30/2025



#12
2-Methylnaphthalene
Concen: 0.776 ng
RT: 12.248 min Scan# 1169
Delta R.T. -0.000 min
Lab File: BN038114.D
Acq: 28 Oct 2025 14:49

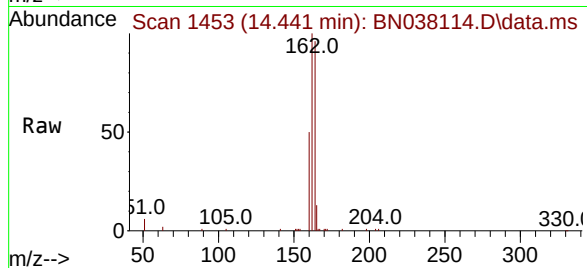
Tgt Ion:142 Resp: 38674
Ion Ratio Lower Upper
142 100
141 90.1 70.3 105.5
115 35.9 27.8 41.6





#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.441 min Scan# 1453
Delta R.T. 0.011 min
Lab File: BN038114.D
Acq: 28 Oct 2025 14:49

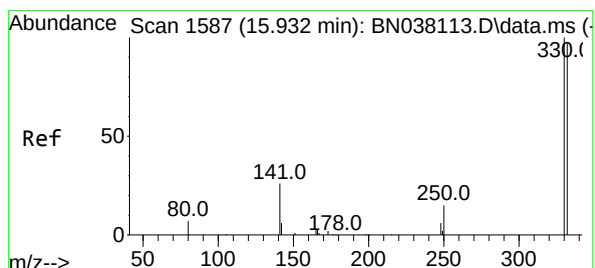
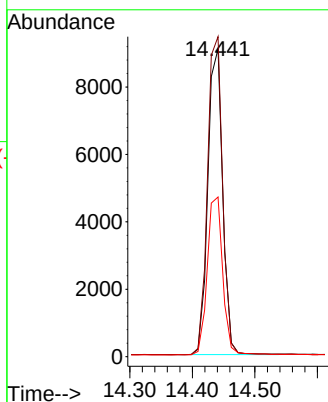
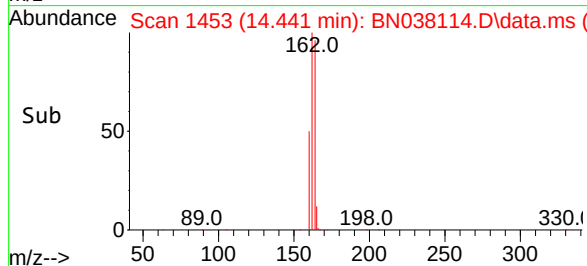
Instrument :
BNA_N
ClientSampleId :
SSTDICC0.8



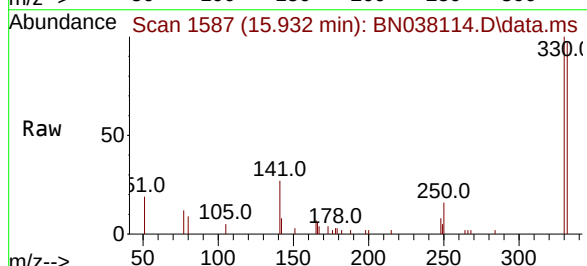
Tgt Ion:164 Resp: 14920
Ion Ratio Lower Upper
164 100
162 104.0 83.0 124.4
160 51.9 40.7 61.1

Manual Integrations
APPROVED

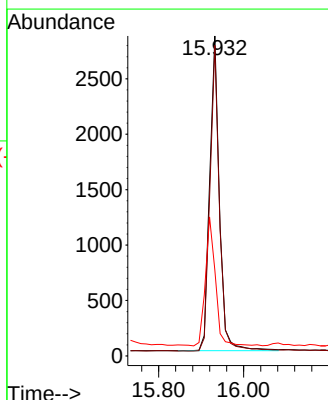
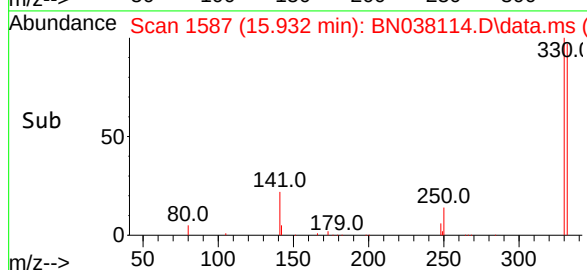
Reviewed By :Rahul Chavli 10/29/2025
Supervised By :mohammad ahmed 10/30/2025

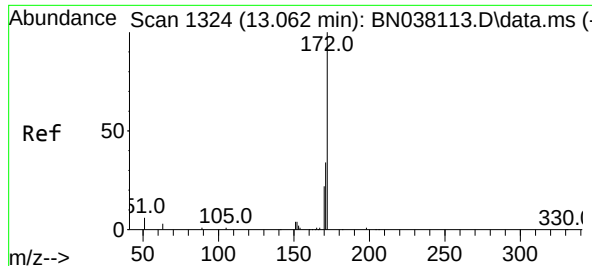


#14
2,4,6-Tribromophenol
Concen: 0.736 ng
RT: 15.932 min Scan# 1587
Delta R.T. 0.000 min
Lab File: BN038114.D
Acq: 28 Oct 2025 14:49



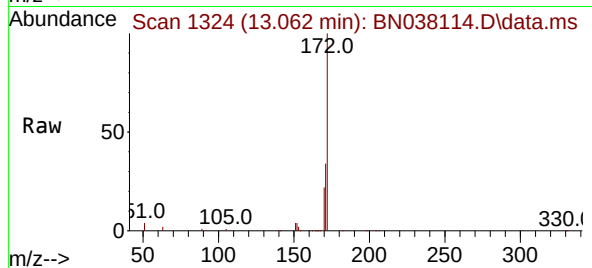
Tgt Ion:330 Resp: 4525
Ion Ratio Lower Upper
330 100
332 95.3 76.6 114.8
141 41.9 34.1 51.1





#15
2-Fluorobiphenyl
Concen: 0.784 ng
RT: 13.062 min Scan# 11
Delta R.T. 0.011 min
Lab File: BN038114.D
Acq: 28 Oct 2025 14:49

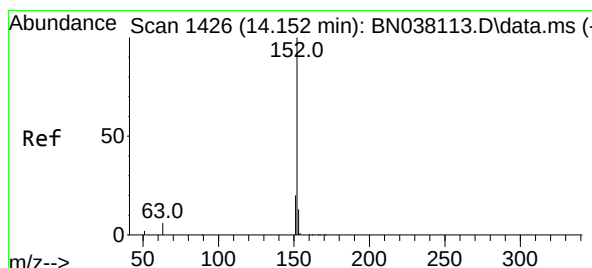
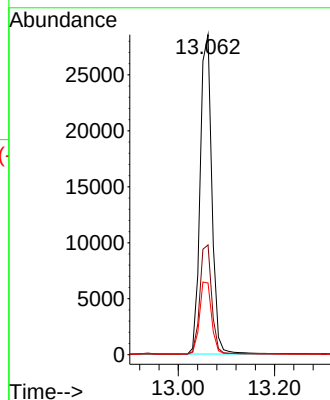
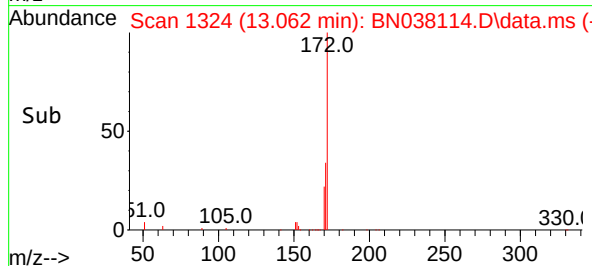
Instrument :
BNA_N
ClientSampleId :
SSTDICC0.8



Tgt Ion:172 Resp: 4684
Ion Ratio Lower Upper
172 100
171 34.3 27.8 41.6
170 22.4 18.1 27.1

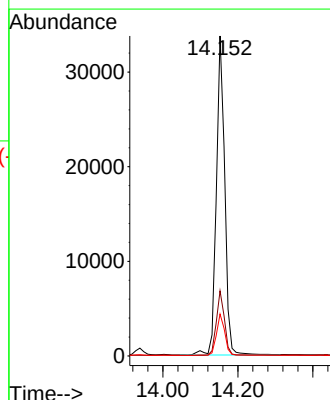
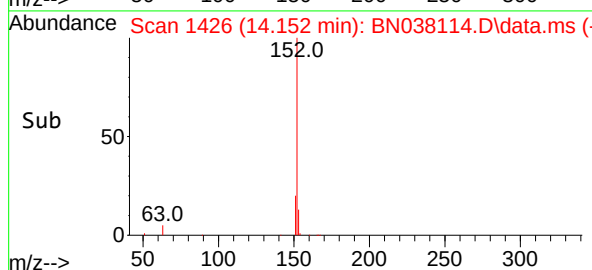
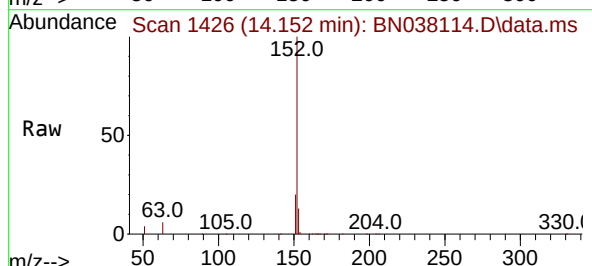
Manual Integrations
APPROVED

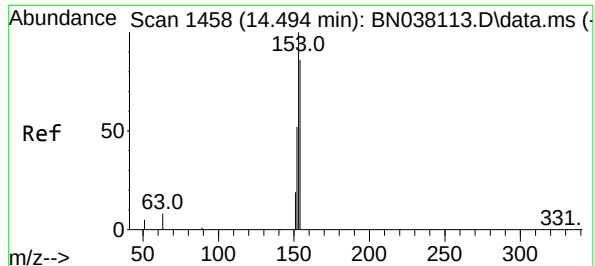
Reviewed By :Rahul Chavli 10/29/2025
Supervised By :mohammad ahmed 10/30/2025



#16
Acenaphthylene
Concen: 0.779 ng
RT: 14.152 min Scan# 1426
Delta R.T. -0.000 min
Lab File: BN038114.D
Acq: 28 Oct 2025 14:49

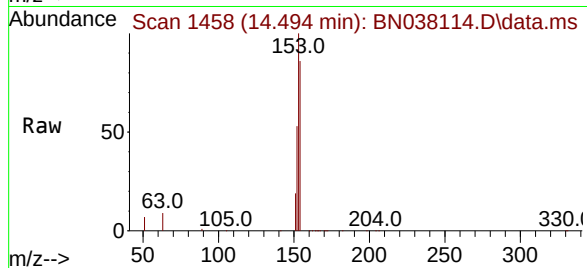
Tgt Ion:152 Resp: 52624
Ion Ratio Lower Upper
152 100
151 19.5 15.8 23.8
153 12.9 10.2 15.2





#17
Acenaphthene
Concen: 0.779 ng
RT: 14.494 min Scan# 1458
Delta R.T. -0.000 min
Lab File: BN038114.D
Acq: 28 Oct 2025 14:49

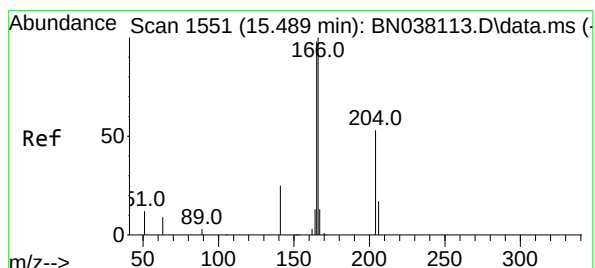
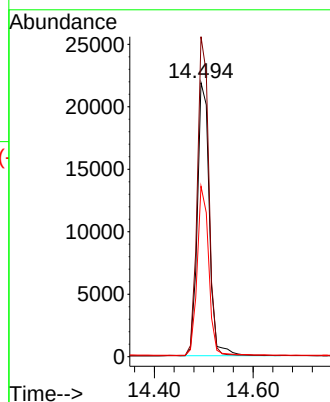
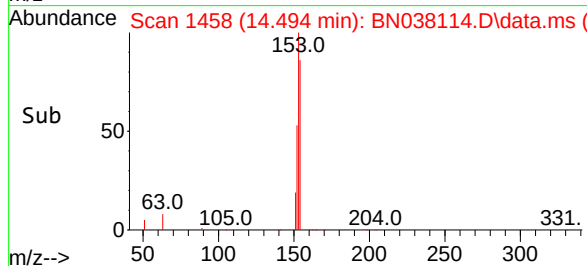
Instrument :
BNA_N
ClientSampleId :
SSTDICC0.8



Tgt Ion:154 Resp: 3684
Ion Ratio Lower Upper
154 100
153 112.3 90.0 135.0
152 59.3 47.3 70.9

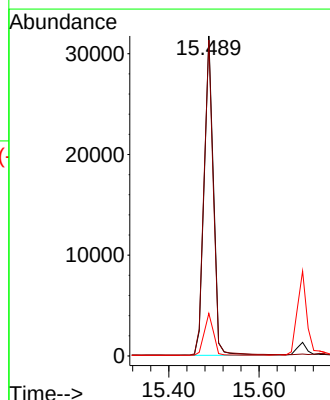
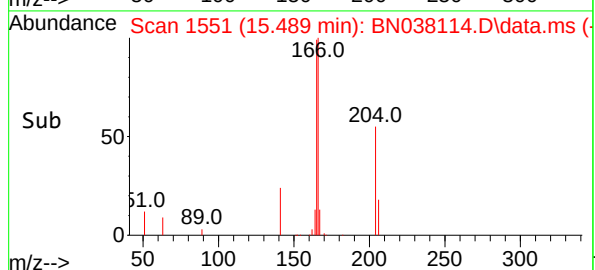
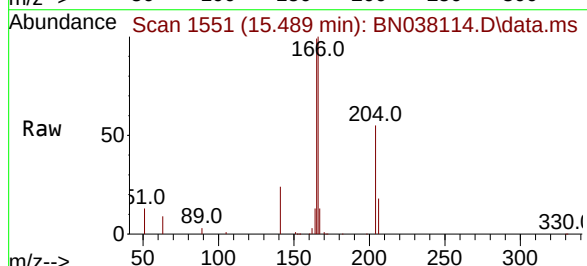
Manual Integrations
APPROVED

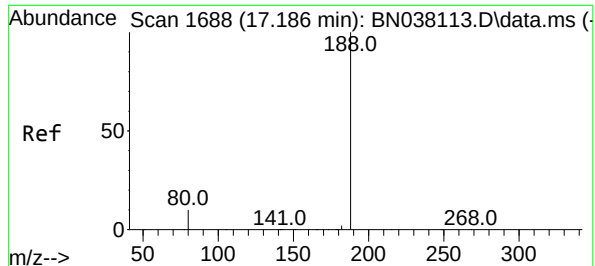
Reviewed By :Rahul Chavli 10/29/2025
Supervised By :mohammad ahmed 10/30/2025



#18
Fluorene
Concen: 0.794 ng
RT: 15.489 min Scan# 1551
Delta R.T. -0.000 min
Lab File: BN038114.D
Acq: 28 Oct 2025 14:49

Tgt Ion:166 Resp: 49204
Ion Ratio Lower Upper
166 100
165 98.7 79.0 118.4
167 13.3 10.7 16.1





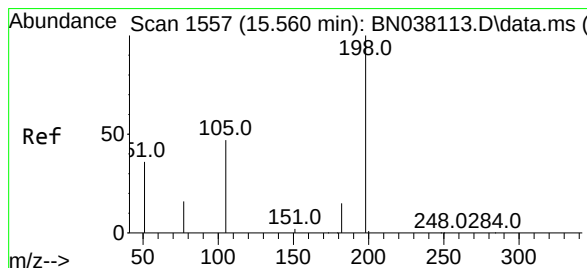
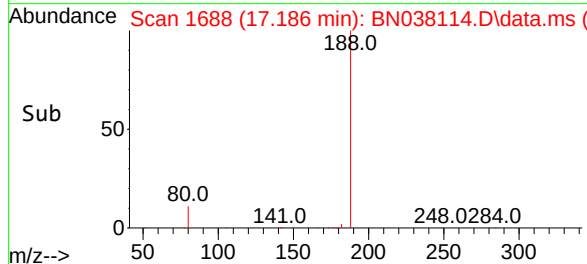
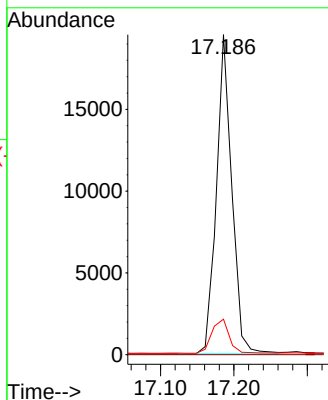
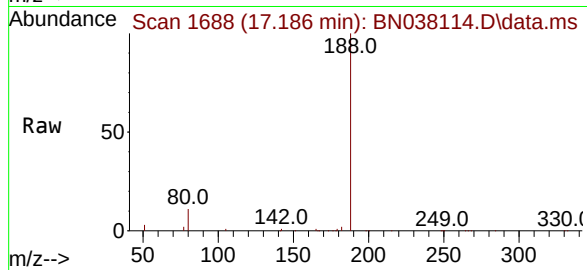
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.186 min Scan# 1688
Delta R.T. -0.000 min
Lab File: BN038114.D
Acq: 28 Oct 2025 14:49

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.8

Tgt Ion:188 Resp: 28500
Ion Ratio Lower Upper
188 100
94 0.0 0.0 0.0
80 11.1 8.6 13.0

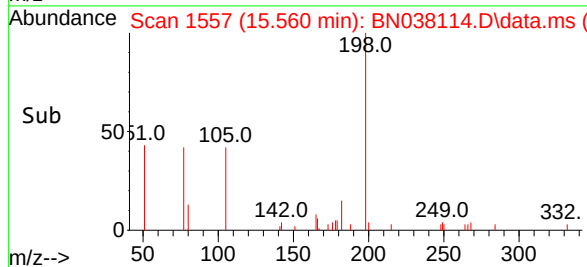
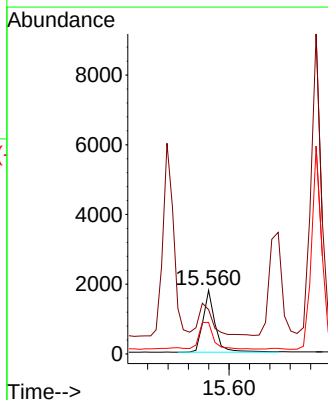
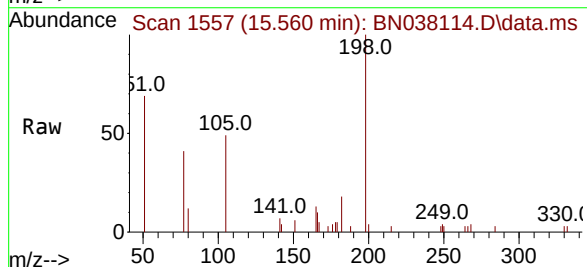
Manual Integrations
APPROVED

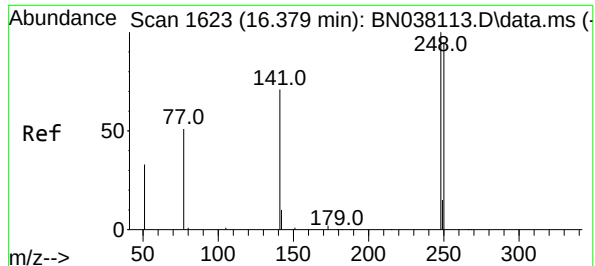
Reviewed By :Rahul Chavli 10/29/2025
Supervised By :mohammad ahmed 10/30/2025



#20
4,6-Dinitro-2-methylphenol
Concen: 0.689 ng
RT: 15.560 min Scan# 1557
Delta R.T. -0.000 min
Lab File: BN038114.D
Acq: 28 Oct 2025 14:49

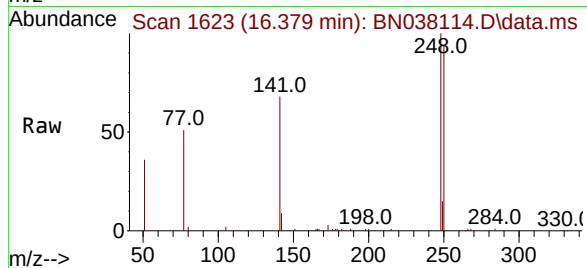
Tgt Ion:198 Resp: 2898
Ion Ratio Lower Upper
198 100
51 69.5 88.9 133.3#
105 49.4 49.2 73.8





#21
4-Bromophenyl-phenylether
Concen: 0.780 ng
RT: 16.379 min Scan# 1623
Delta R.T. -0.000 min
Lab File: BN038114.D
Acq: 28 Oct 2025 14:49

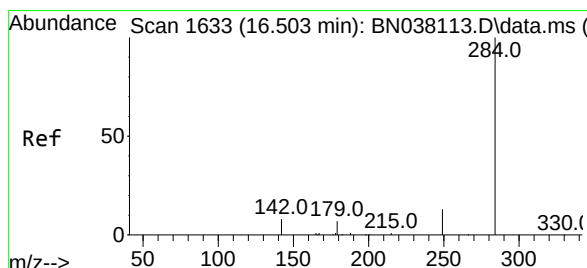
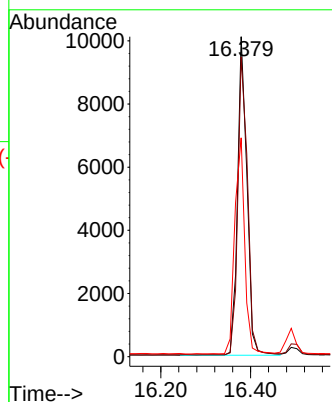
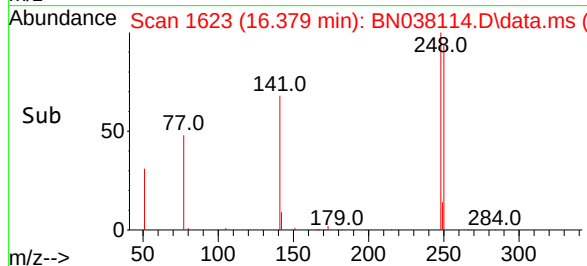
Instrument :
BNA_N
ClientSampleId :
SSTDICC0.8



Tgt Ion:248 Resp: 1457
Ion Ratio Lower Upper
248 100
250 93.7 76.2 114.2
141 68.4 57.6 86.4

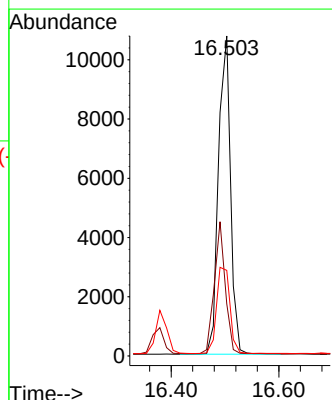
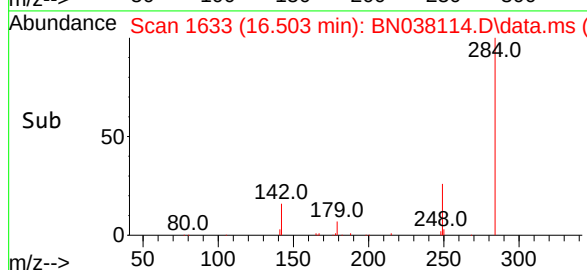
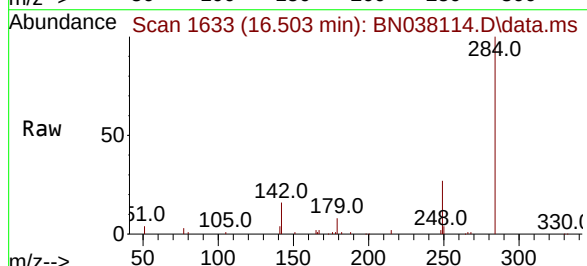
Manual Integrations
APPROVED

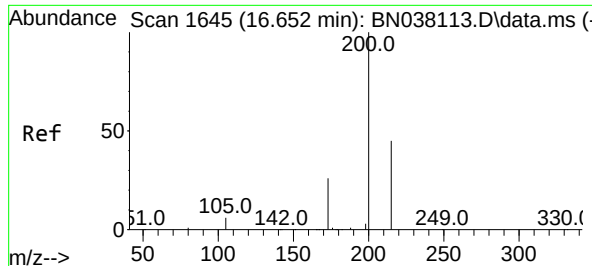
Reviewed By :Rahul Chavli 10/29/2025
Supervised By :mohammad ahmed 10/30/2025



#22
Hexachlorobenzene
Concen: 0.786 ng
RT: 16.503 min Scan# 1633
Delta R.T. -0.000 min
Lab File: BN038114.D
Acq: 28 Oct 2025 14:49

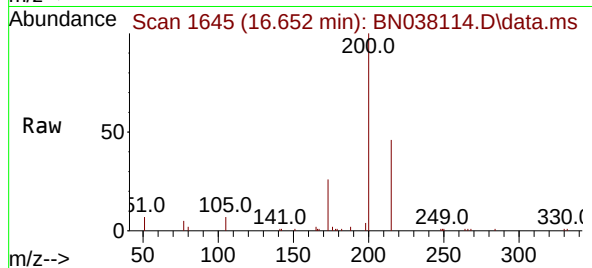
Tgt Ion:284 Resp: 16700
Ion Ratio Lower Upper
284 100
142 38.0 30.5 45.7
249 30.3 23.5 35.3





#23
Atrazine
Concen: 0.745 ng
RT: 16.652 min Scan# 1645
Delta R.T. -0.000 min
Lab File: BN038114.D
Acq: 28 Oct 2025 14:49

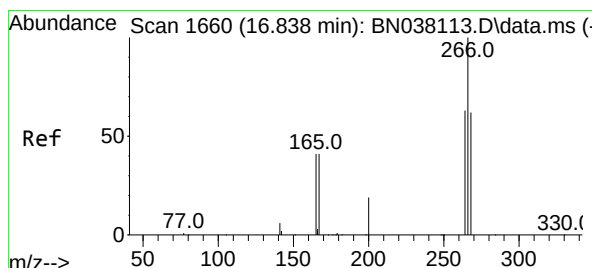
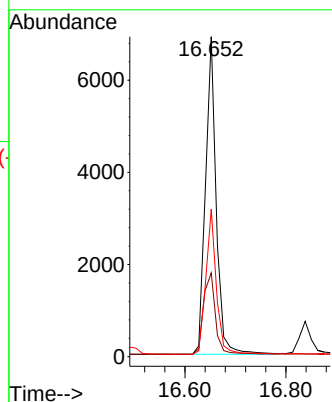
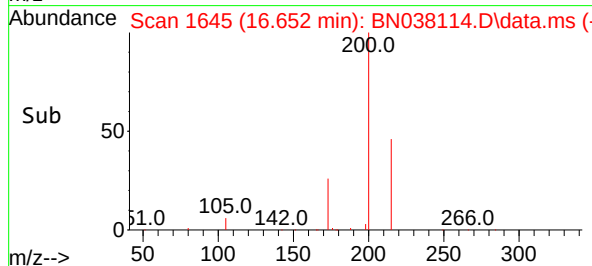
Instrument :
BNA_N
ClientSampleId :
SSTDICC0.8



Tgt Ion:200 Resp: 10204
Ion Ratio Lower Upper
200 100
173 26.2 21.4 32.2
215 46.0 36.7 55.1

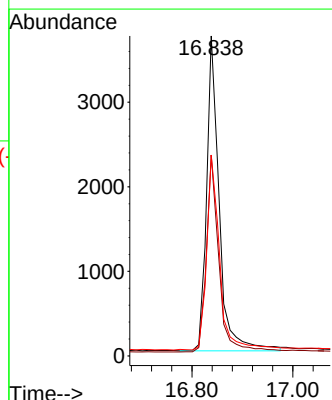
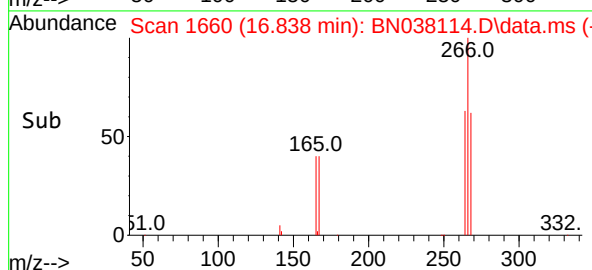
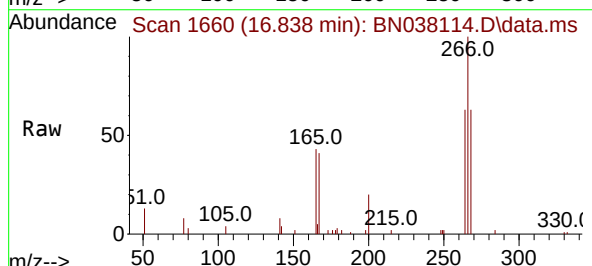
Manual Integrations
APPROVED

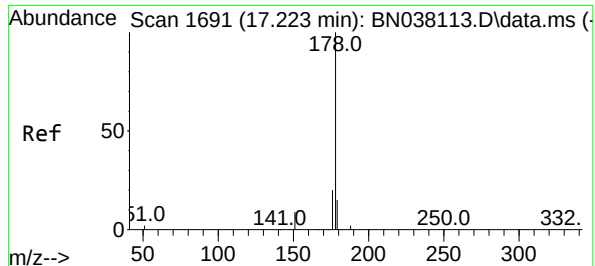
Reviewed By :Rahul Chavli 10/29/2025
Supervised By :mohammad ahmed 10/30/2025



#24
Pentachlorophenol
Concen: 0.707 ng
RT: 16.838 min Scan# 1660
Delta R.T. -0.000 min
Lab File: BN038114.D
Acq: 28 Oct 2025 14:49

Tgt Ion:266 Resp: 6470
Ion Ratio Lower Upper
266 100
264 62.0 49.3 73.9
268 64.3 50.6 75.8





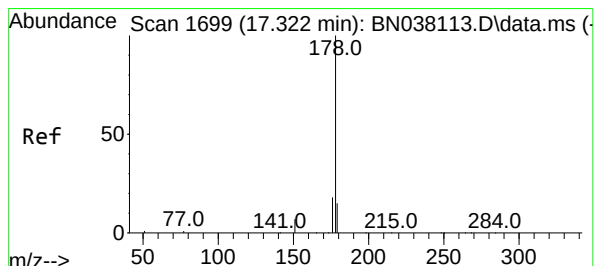
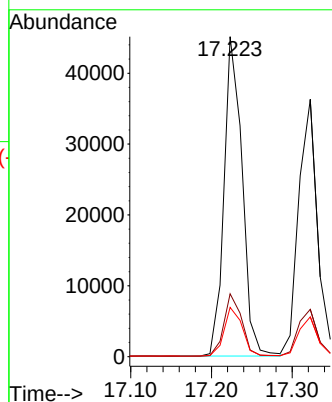
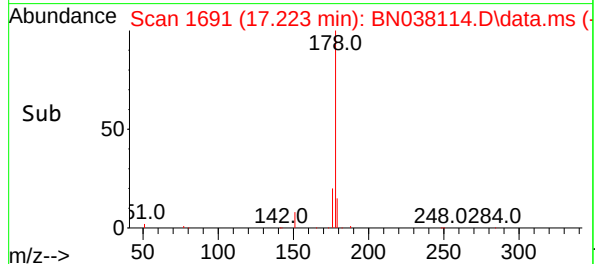
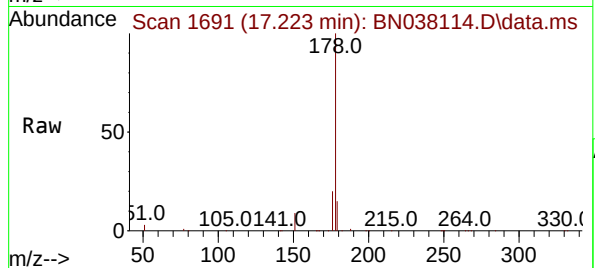
#25
Phenanthrene
Concen: 0.779 ng
RT: 17.223 min Scan# 1691
Delta R.T. -0.000 min
Lab File: BN038114.D
Acq: 28 Oct 2025 14:49

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.8

Tgt Ion:178 Resp: 7045
Ion Ratio Lower Upper
178 100
176 19.2 15.5 23.3
179 15.3 12.2 18.4

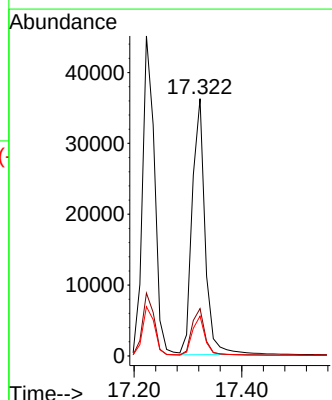
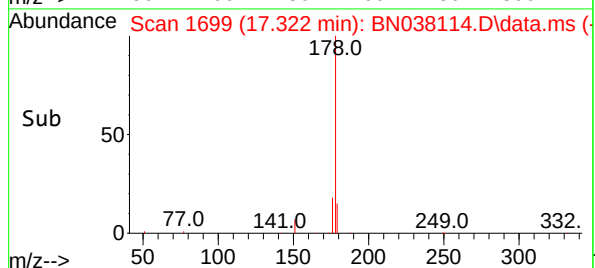
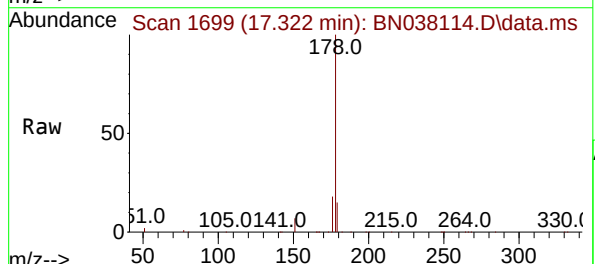
Manual Integrations
APPROVED

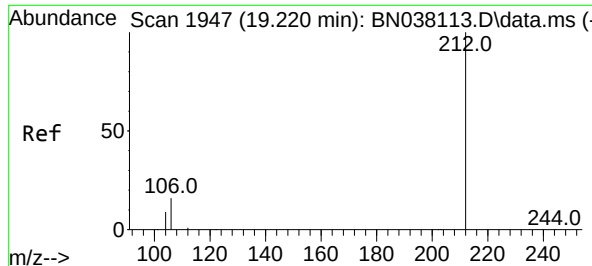
Reviewed By :Rahul Chavli 10/29/2025
Supervised By :mohammad ahmed 10/30/2025



#26
Anthracene
Concen: 0.761 ng
RT: 17.322 min Scan# 1699
Delta R.T. -0.000 min
Lab File: BN038114.D
Acq: 28 Oct 2025 14:49

Tgt Ion:178 Resp: 60270
Ion Ratio Lower Upper
178 100
176 18.6 14.9 22.3
179 15.2 11.8 17.8





#27

Fluoranthene-d10

Concen: 0.778 ng

RT: 19.220 min Scan# 1947

Delta R.T. -0.000 min

Lab File: BN038114.D

Acq: 28 Oct 2025 14:49

Instrument :

BNA_N

ClientSampleId :

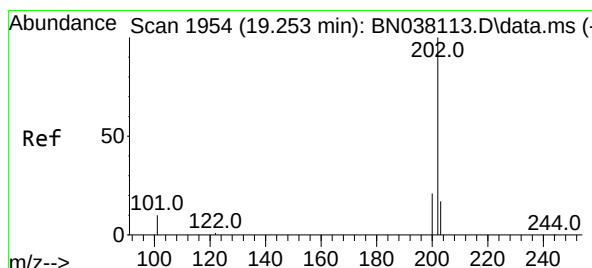
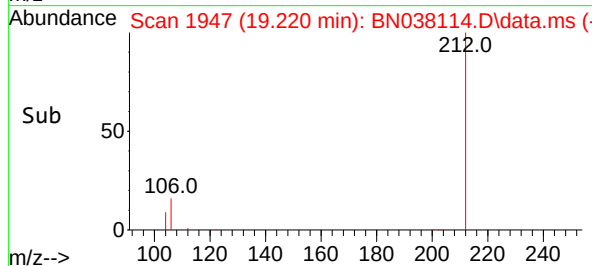
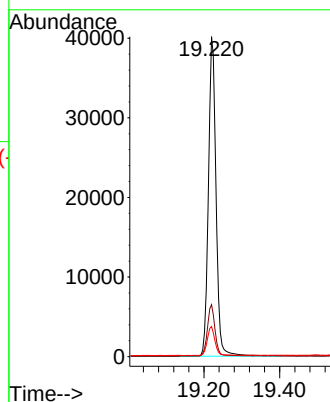
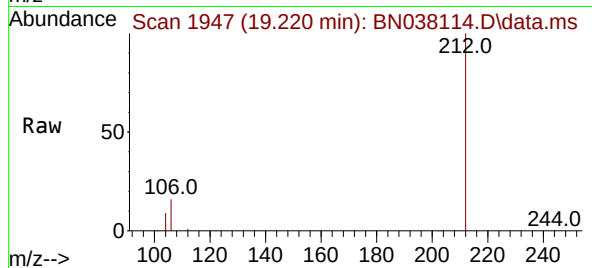
SSTDICC0.8

Tgt Ion	Ratio	Lower	Upper
212	100		
106	16.0	12.6	19.0
104	9.0	7.1	10.7

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 10/29/2025
Supervised By :mohammad ahmed 10/30/2025



#28

Fluoranthene

Concen: 0.786 ng

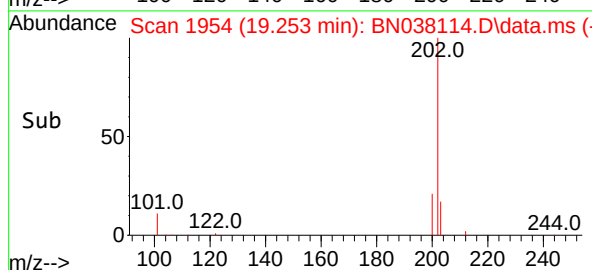
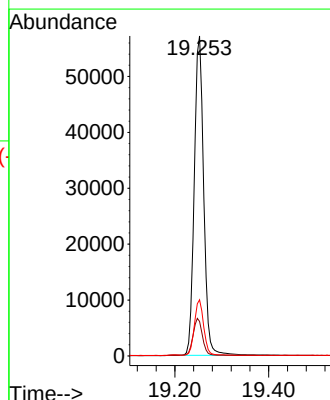
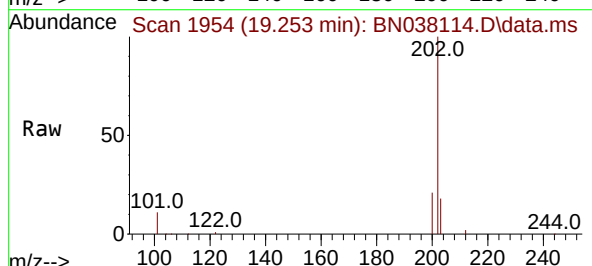
RT: 19.253 min Scan# 1954

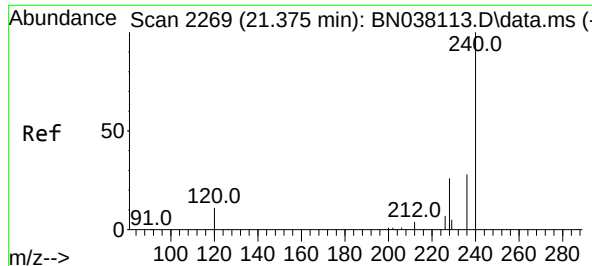
Delta R.T. -0.000 min

Lab File: BN038114.D

Acq: 28 Oct 2025 14:49

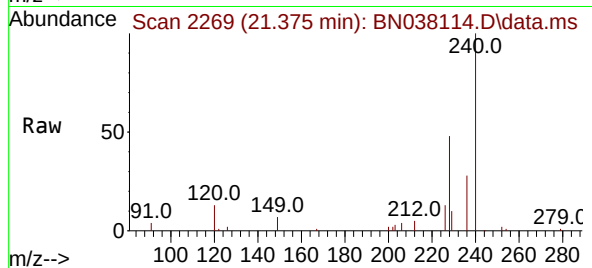
Tgt Ion	Ratio	Lower	Upper
202	100		
101	11.8	9.4	14.2
203	17.0	13.4	20.2





#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.375 min Scan# 21
Delta R.T. -0.000 min
Lab File: BN038114.D
Acq: 28 Oct 2025 14:49

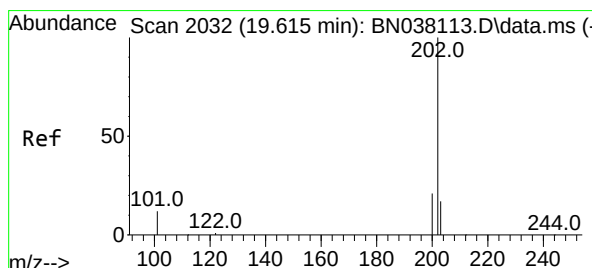
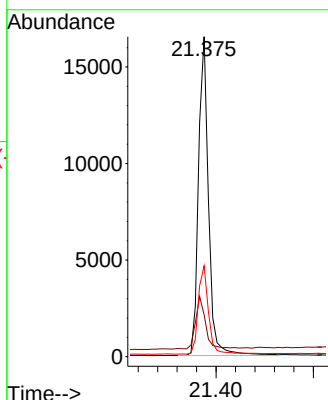
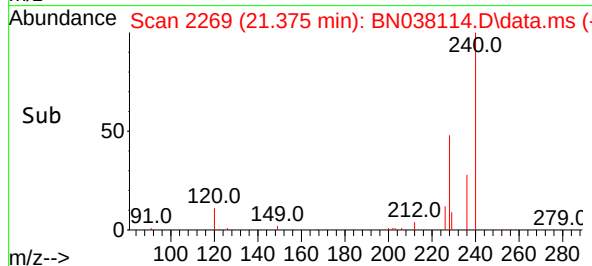
Instrument :
BNA_N
ClientSampleId :
SSTDICC0.8



Tgt Ion:240 Resp: 2353
Ion Ratio Lower Upper
240 100
120 13.1 10.7 16.1
236 28.4 23.1 34.7

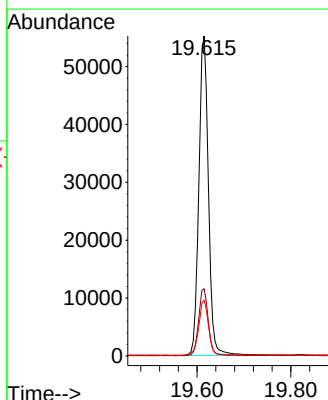
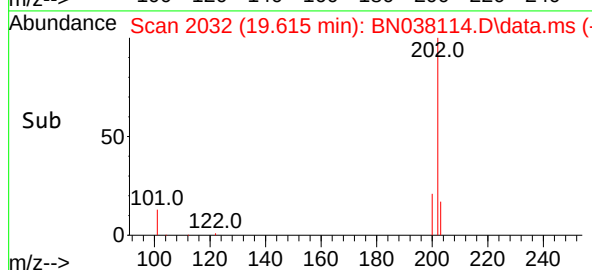
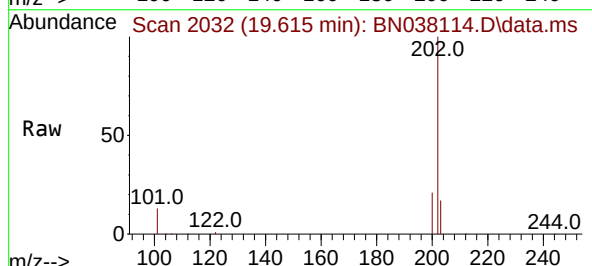
Manual Integrations
APPROVED

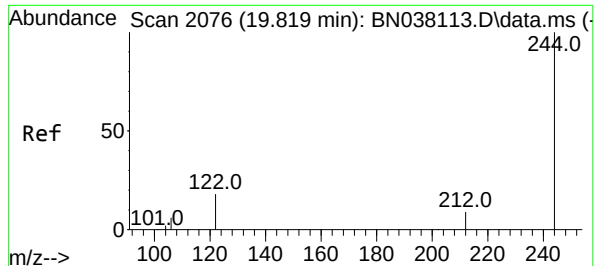
Reviewed By :Rahul Chavli 10/29/2025
Supervised By :mohammad ahmed 10/30/2025



#30
Pyrene
Concen: 0.737 ng
RT: 19.615 min Scan# 2032
Delta R.T. 0.005 min
Lab File: BN038114.D
Acq: 28 Oct 2025 14:49

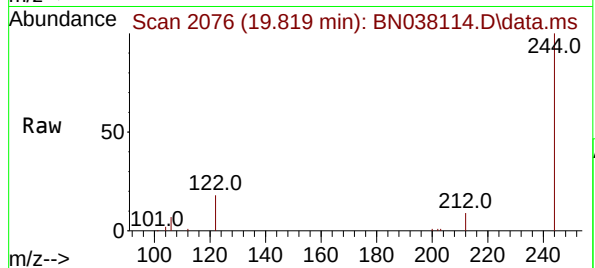
Tgt Ion:202 Resp: 78307
Ion Ratio Lower Upper
202 100
200 21.2 16.7 25.1
203 17.7 14.2 21.2





#31
Terphenyl-d14
Concen: 0.743 ng
RT: 19.819 min Scan# 2076
Delta R.T. -0.000 min
Lab File: BN038114.D
Acq: 28 Oct 2025 14:49

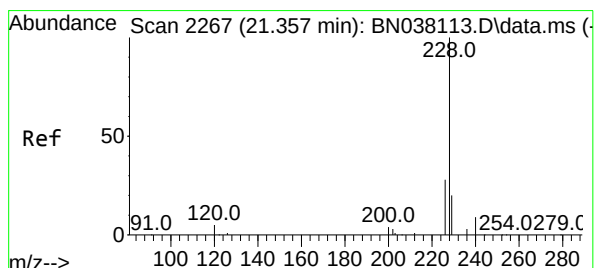
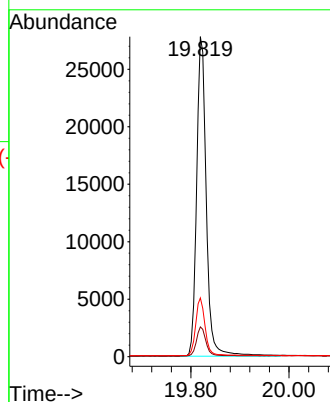
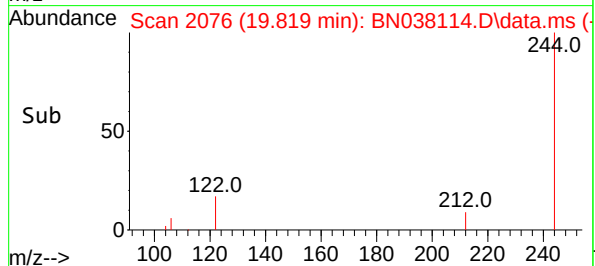
Instrument :
BNA_N
ClientSampleId :
SSTDICC0.8



Tgt Ion:244 Resp: 37975
Ion Ratio Lower Upper
244 100
212 9.3 7.8 11.6
122 18.4 15.2 22.8

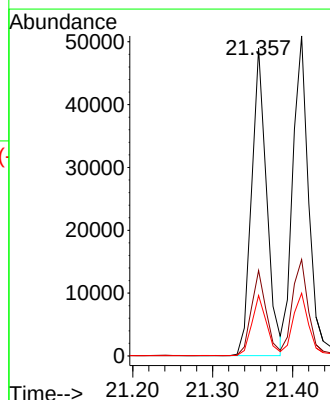
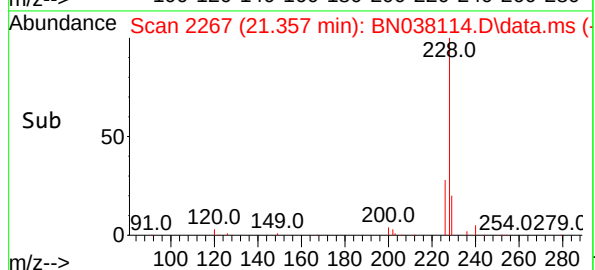
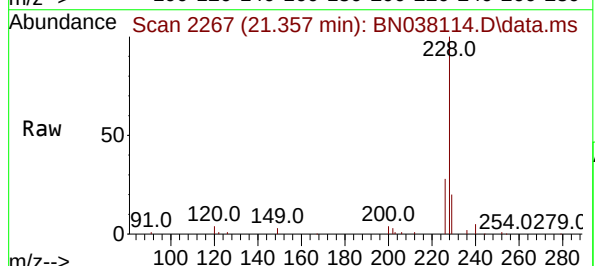
Manual Integrations
APPROVED

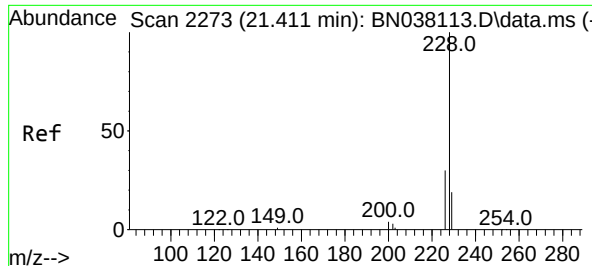
Reviewed By :Rahul Chavli 10/29/2025
Supervised By :mohammad ahmed 10/30/2025



#32
Benzo(a)anthracene
Concen: 0.764 ng
RT: 21.357 min Scan# 2267
Delta R.T. -0.000 min
Lab File: BN038114.D
Acq: 28 Oct 2025 14:49

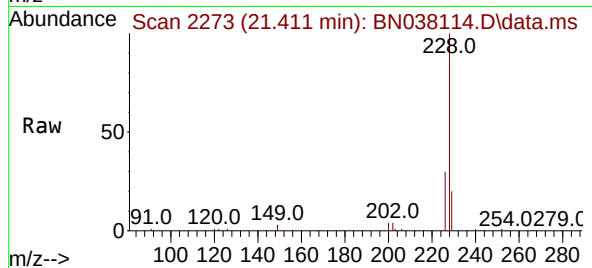
Tgt Ion:228 Resp: 64140
Ion Ratio Lower Upper
228 100
226 27.7 22.2 33.4
229 19.6 15.8 23.8





#33
Chrysene
Concen: 0.787 ng
RT: 21.411 min Scan# 2141
Delta R.T. -0.000 min
Lab File: BN038114.D
Acq: 28 Oct 2025 14:49

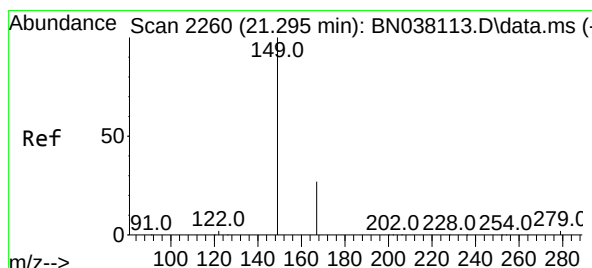
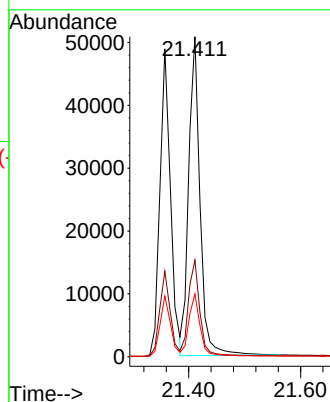
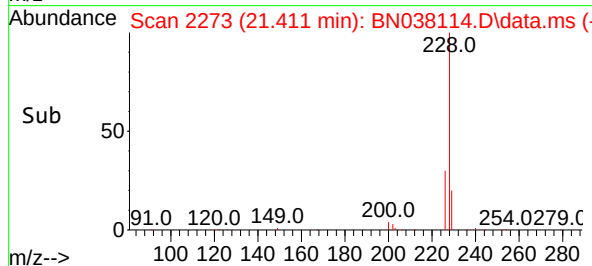
Instrument :
BNA_N
ClientSampleId :
SSTDICC0.8



Tgt Ion:228 Resp: 71679
Ion Ratio Lower Upper
228 100
226 30.1 24.3 36.5
229 19.6 15.7 23.5

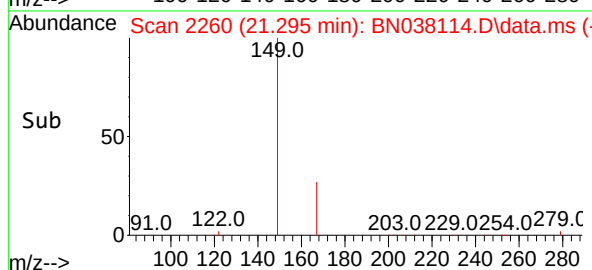
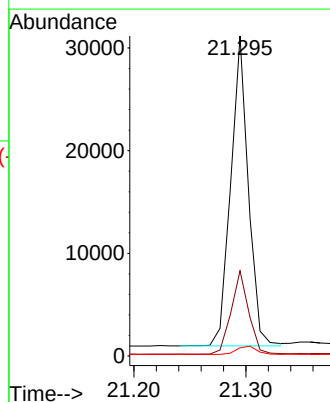
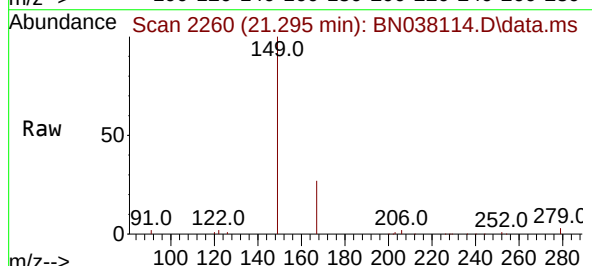
Manual Integrations
APPROVED

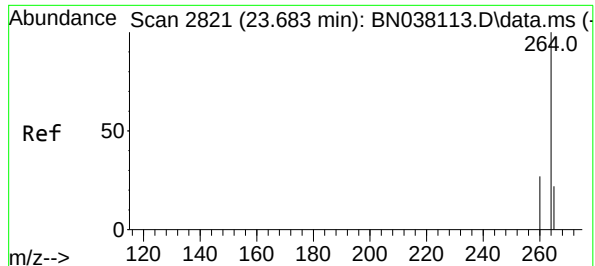
Reviewed By :Rahul Chavli 10/29/2025
Supervised By :mohammad ahmed 10/30/2025



#34
Bis(2-ethylhexyl)phthalate
Concen: 0.745 ng
RT: 21.295 min Scan# 2260
Delta R.T. -0.000 min
Lab File: BN038114.D
Acq: 28 Oct 2025 14:49

Tgt Ion:149 Resp: 32963
Ion Ratio Lower Upper
149 100
167 26.8 21.1 31.7
279 3.1 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: BN038114.D

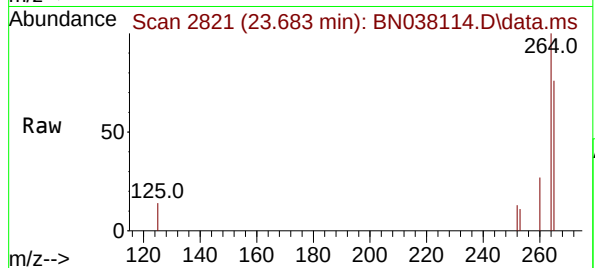
Acq: 28 Oct 2025 14:49

Instrument :

BNA_N

ClientSampleId :

SSTDICC0.8



Tgt Ion:264 Resp: 20307

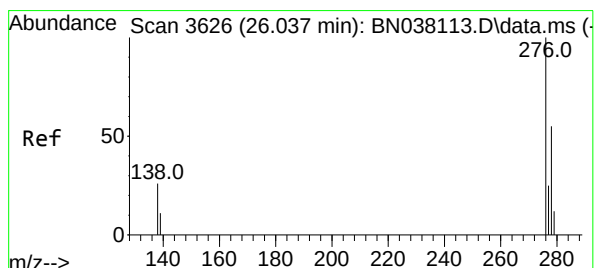
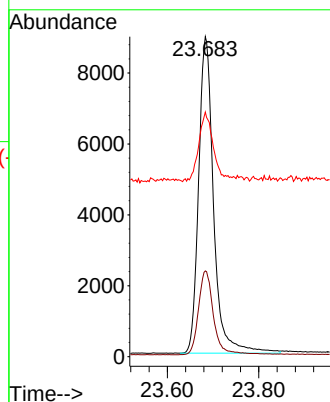
Ion	Ratio	Lower	Upper
264	100		
260	26.8	21.8	32.8
265	76.5	68.6	102.8

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 10/29/2025

Supervised By :mohammad ahmed 10/30/2025



#36

Indeno(1,2,3-cd)pyrene

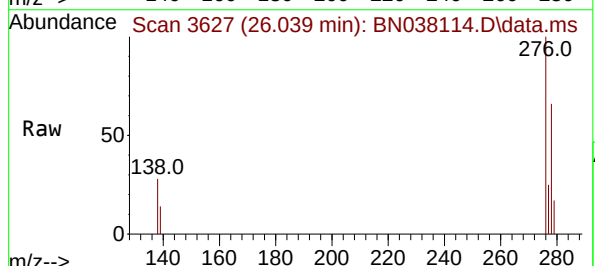
Concen: 0.789 ng

RT: 26.039 min Scan# 3627

Delta R.T. 0.006 min

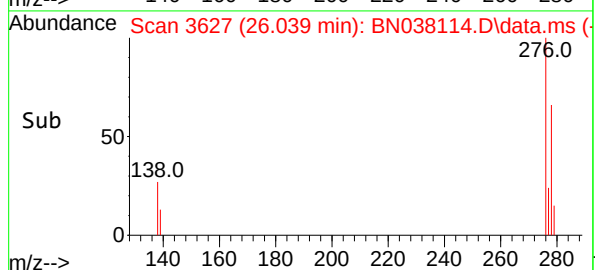
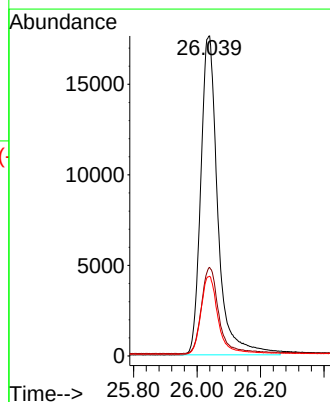
Lab File: BN038114.D

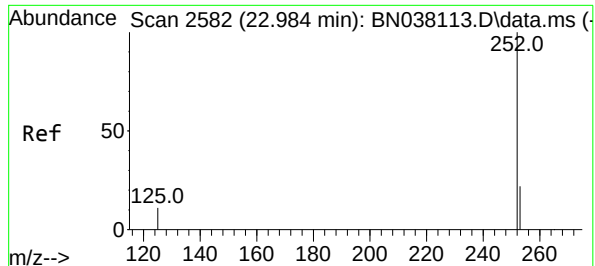
Acq: 28 Oct 2025 14:49



Tgt Ion:276 Resp: 65796

Ion	Ratio	Lower	Upper
276	100		
138	27.3	21.4	32.0
277	24.7	19.2	28.8





#37

Benzo(b)fluoranthene

Concen: 0.805 ng m

RT: 22.984 min Scan# 2582

Delta R.T. 0.003 min

Lab File: BN038114.D

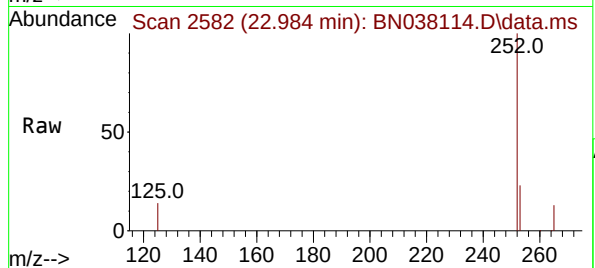
Acq: 28 Oct 2025 14:49

Instrument :

BNA_N

ClientSampleId :

SSTDICC0.8



Tgt Ion:252 Resp: 69912

Ion Ratio Lower Upper

252 100

253 23.4 20.9 31.3

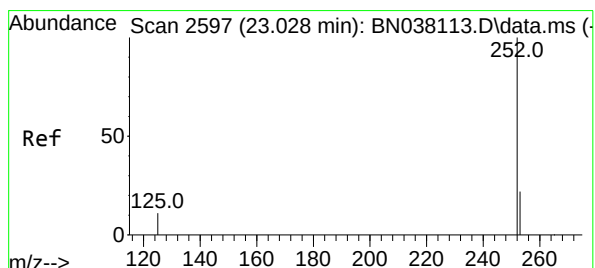
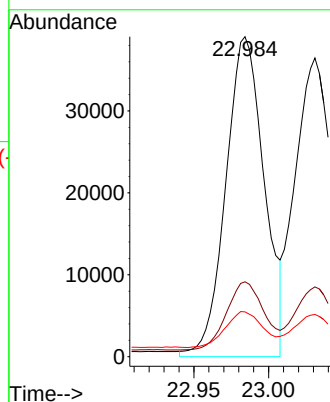
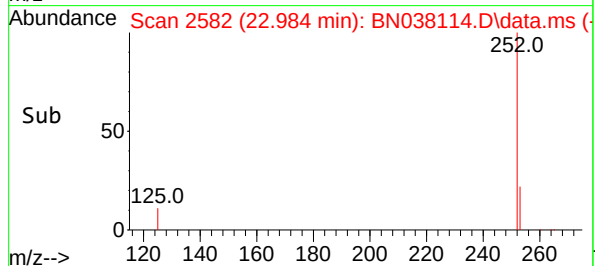
125 14.0 14.1 21.1

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 10/29/2025

Supervised By :mohammad ahmed 10/30/2025



#38

Benzo(k)fluoranthene

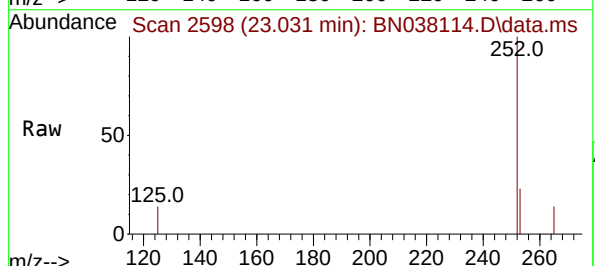
Concen: 0.776 ng

RT: 23.031 min Scan# 2598

Delta R.T. 0.003 min

Lab File: BN038114.D

Acq: 28 Oct 2025 14:49



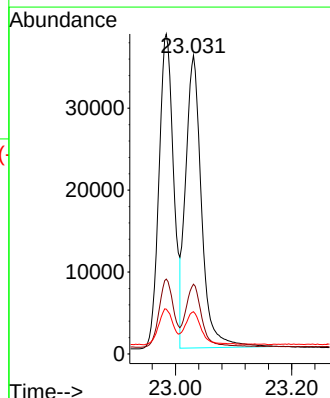
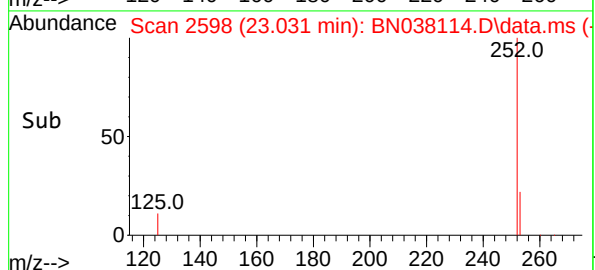
Tgt Ion:252 Resp: 67771

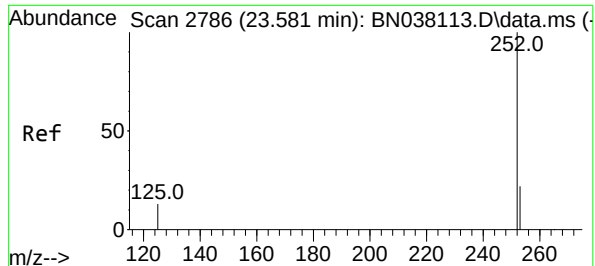
Ion Ratio Lower Upper

252 100

253 23.4 21.2 31.8

125 14.2 14.6 22.0#





#39

Benzo(a)pyrene

Concen: 0.768 ng

RT: 23.578 min Scan# 21

Delta R.T. -0.000 min

Lab File: BN038114.D

Acq: 28 Oct 2025 14:49

Instrument :

BNA_N

ClientSampleId :

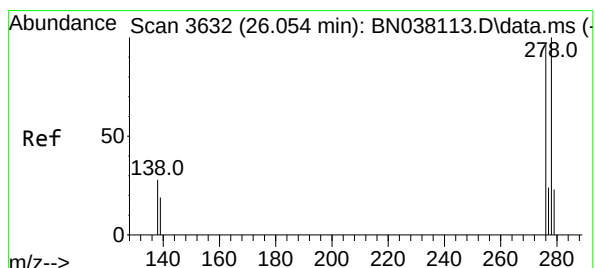
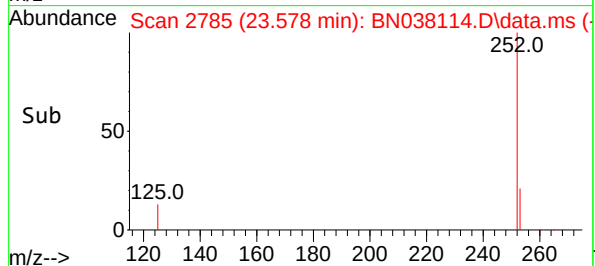
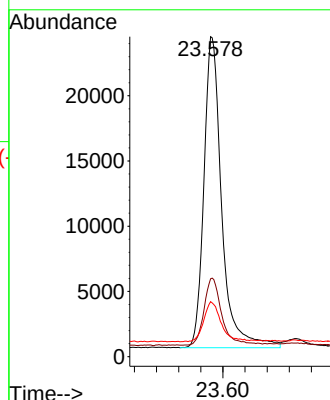
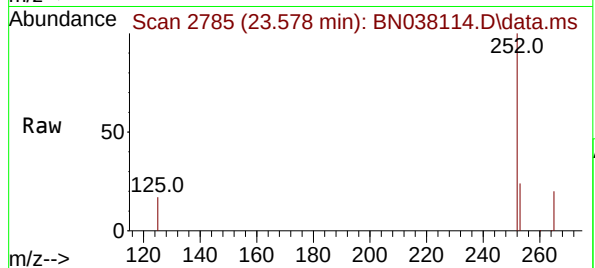
SSTDICC0.8

Tgt Ion:	252	Resp:	5336
Ion Ratio	Lower	Upper	
252	100		
253	24.4	23.1	34.7
125	17.2	18.6	28.0

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 10/29/2025
Supervised By :mohammad ahmed 10/30/2025



#40

Dibenzo(a,h)anthracene

Concen: 0.784 ng

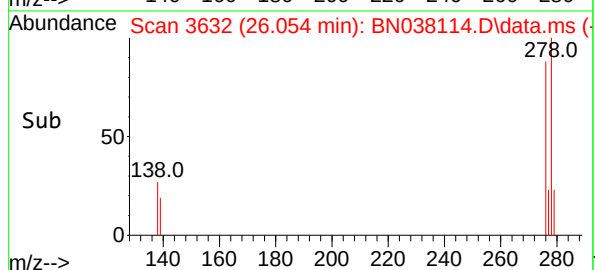
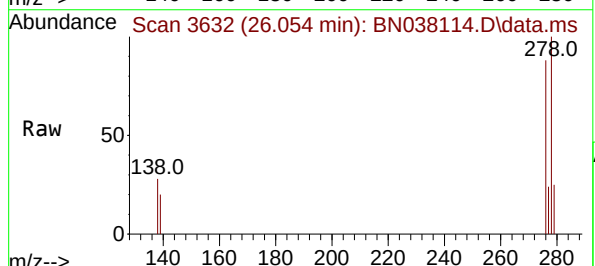
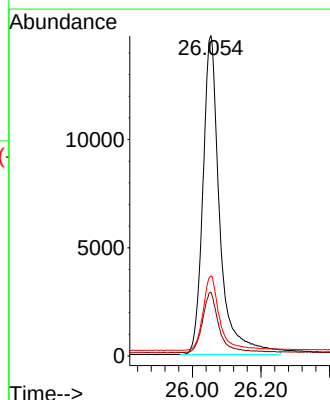
RT: 26.054 min Scan# 3632

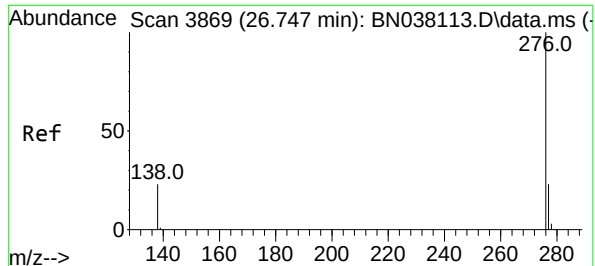
Delta R.T. 0.006 min

Lab File: BN038114.D

Acq: 28 Oct 2025 14:49

Tgt Ion:	278	Resp:	50344
Ion Ratio	Lower	Upper	
278	100		
139	19.9	17.6	26.4
279	25.0	22.6	33.8





#41

Benzo(g,h,i)perylene

Concen: 0.793 ng

RT: 26.753 min Scan# 3869

Delta R.T. 0.003 min

Lab File: BN038114.D

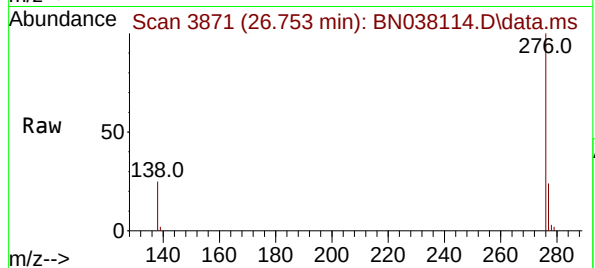
Acq: 28 Oct 2025 14:49

Instrument :

BNA_N

ClientSampleId :

SSTDICC0.8



Tgt Ion:276 Resp: 5815

Ion Ratio Lower Upper

276 100

277 24.0 19.7 29.5

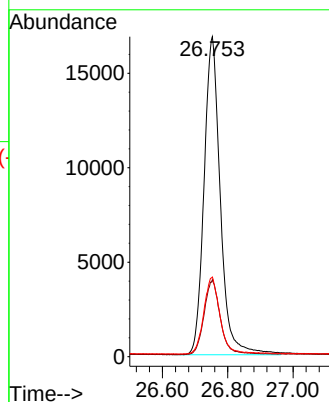
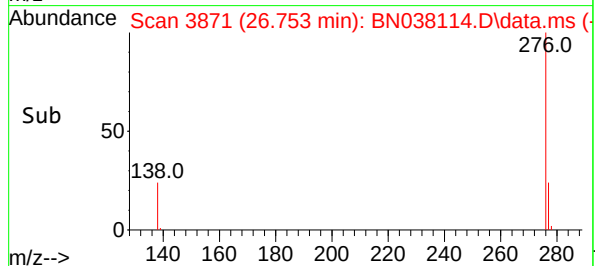
138 24.9 20.2 30.4

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 10/29/2025

Supervised By :mohammad ahmed 10/30/2025



Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN102825\
 Data File : BN038115.D
 Acq On : 28 Oct 2025 15:25
 Operator : RC/JU
 Sample : SSTDICC1.6
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 SSTDICC1.6

Quant Time: Oct 28 17:31:51 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN102825.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Oct 28 17:15:13 2025
 Response via : Initial Calibration

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

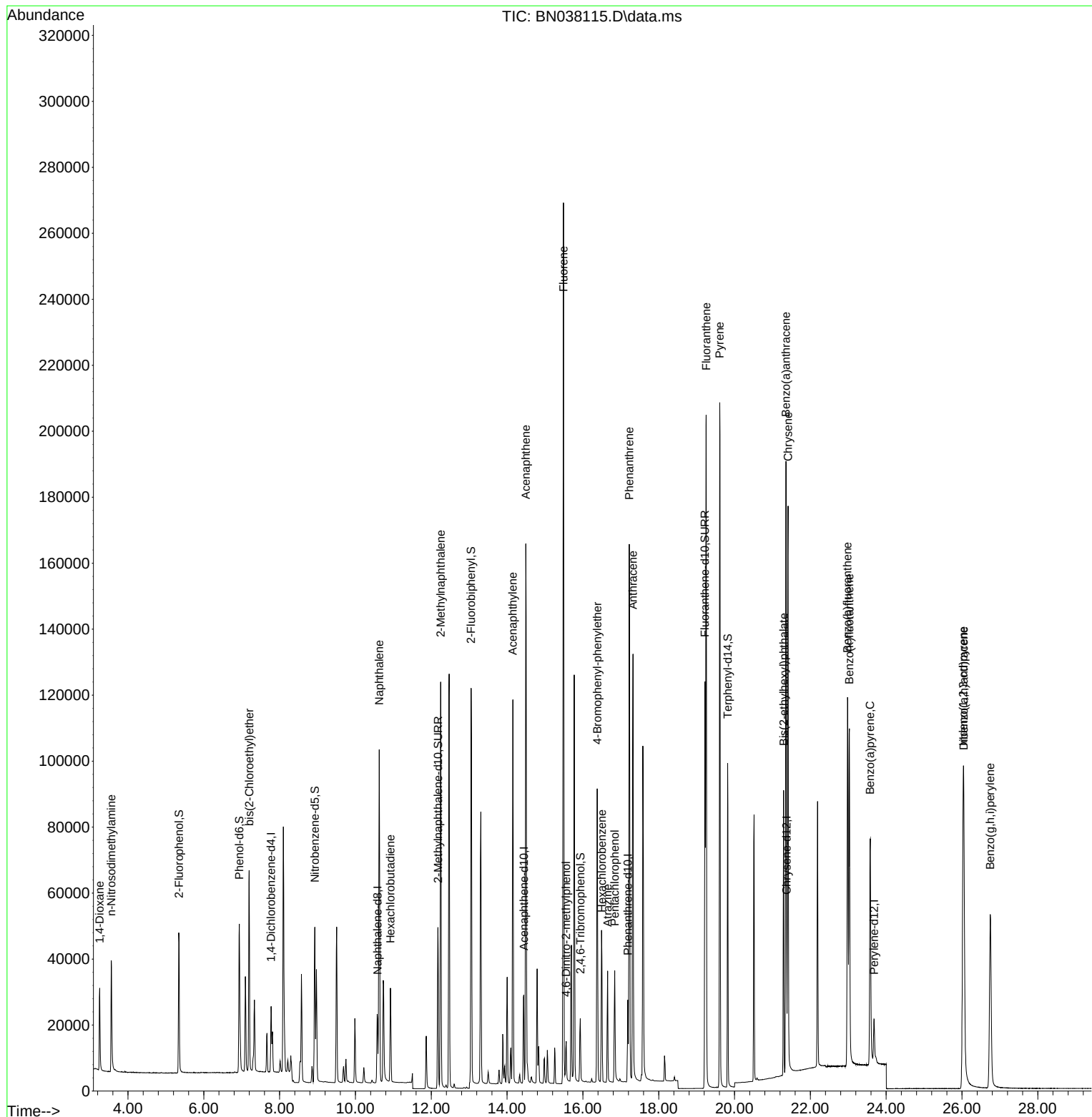
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.775	152	9872	0.400	ng	0.00
7) Naphthalene-d8	10.584	136	29279	0.400	ng	0.01
13) Acenaphthene-d10	14.441	164	16624	0.400	ng	0.01
19) Phenanthrene-d10	17.186	188	31469	0.400	ng	0.00
29) Chrysene-d12	21.375	240	25173	0.400	ng	0.00
35) Perylene-d12	23.680	264	19529	0.400	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.348	112	36286	1.560	ng	0.00
5) Phenol-d6	6.937	99	44651	1.576	ng	0.00
8) Nitrobenzene-d5	8.929	82	36991	1.566	ng	0.00
11) 2-Methylnaphthalene-d10	12.177	152	68673	1.642	ng	0.00
14) 2,4,6-Tribromophenol	15.932	330	11390	1.663	ng	0.00
15) 2-Fluorobiphenyl	13.051	172	107386	1.613	ng	0.00
27) Fluoranthene-d10	19.220	212	132146	1.665	ng	0.00
31) Terphenyl-d14	19.819	244	89776	1.642	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.254	88	16443	1.612	ng	99
3) n-Nitrosodimethylamine	3.557	42	21596	1.645	ng	96
6) bis(2-Chloroethyl)ether	7.197	93	45315	1.628	ng	99
9) Naphthalene	10.626	128	131755	1.634	ng	99
10) Hexachlorobutadiene	10.925	225	22006	1.617	ng	# 99
12) 2-Methylnaphthalene	12.248	142	88687	1.649	ng	99
16) Acenaphthylene	14.152	152	125798	1.671	ng	99
17) Acenaphthene	14.495	154	87659	1.664	ng	98
18) Fluorene	15.489	166	117574	1.703	ng	100
20) 4,6-Dinitro-2-methylph...	15.560	198	7997	1.534	ng	# 54
21) 4-Bromophenyl-phenylether	16.379	248	34434	1.669	ng	95
22) Hexachlorobenzene	16.503	284	38518	1.642	ng	99
23) Atrazine	16.652	200	25585	1.693	ng	97
24) Pentachlorophenol	16.838	266	16638	1.646	ng	99
25) Phenanthrene	17.223	178	166989	1.671	ng	100
26) Anthracene	17.322	178	148754	1.702	ng	100
28) Fluoranthene	19.253	202	187774	1.682	ng	99
30) Pyrene	19.610	202	184735	1.626	ng	100
32) Benzo(a)anthracene	21.358	228	147889	1.647	ng	99
33) Chrysene	21.411	228	156927	1.610	ng	99
34) Bis(2-ethylhexyl)phtha...	21.295	149	72607	1.535	ng	99
36) Indeno(1,2,3-cd)pyrene	26.031	276	135169	1.685	ng	99
37) Benzo(b)fluoranthene	22.981	252	141041	1.689	ng	# 91
38) Benzo(k)fluoranthene	23.028	252	143019	1.702	ng	# 90
39) Benzo(a)pyrene	23.578	252	110949	1.660	ng	# 85
40) Dibenzo(a,h)anthracene	26.048	278	105589	1.710	ng	92
41) Benzo(g,h,i)perylene	26.747	276	117071	1.660	ng	98

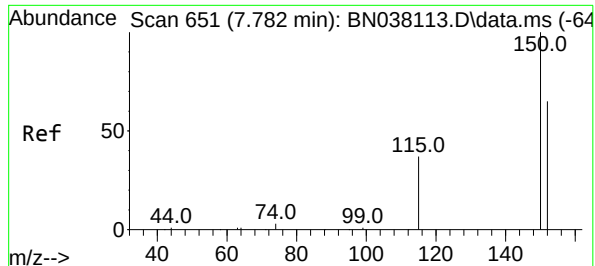
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN102825\
Data File : BN038115.D
Acq On : 28 Oct 2025 15:25
Operator : RC/JU
Sample : SSTDICC1.6
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
SSTDICC1.6

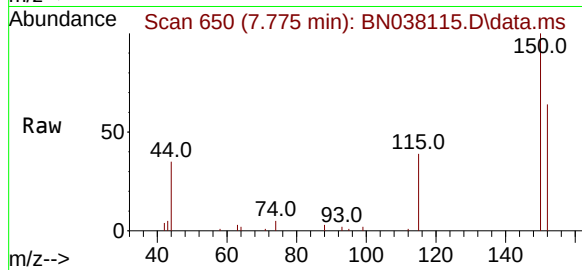
Quant Time: Oct 28 17:31:51 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN102825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Oct 28 17:15:13 2025
Response via : Initial Calibration



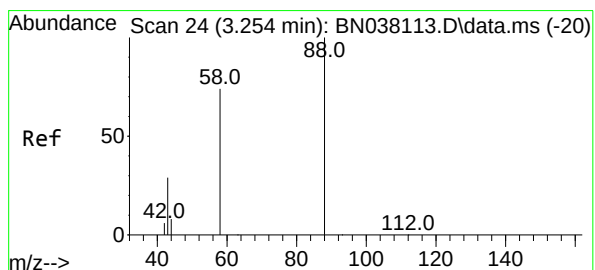
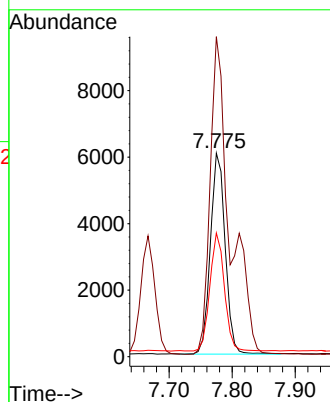


#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.775 min Scan# 61
Delta R.T. -0.000 min
Lab File: BN038115.D
Acq: 28 Oct 2025 15:25

Instrument :
BNA_N
ClientSampleId :
SSTDICC1.6

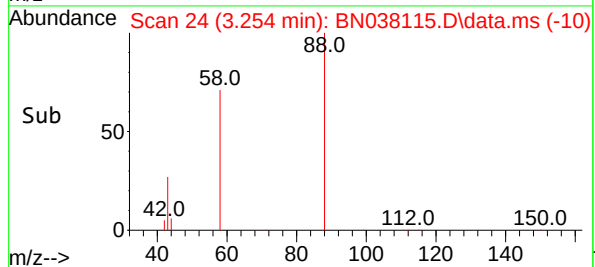
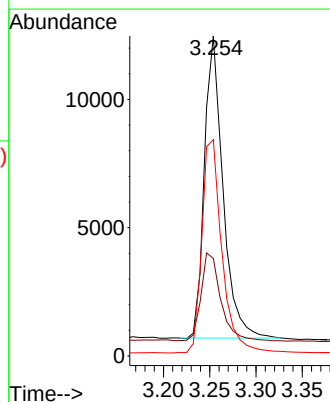
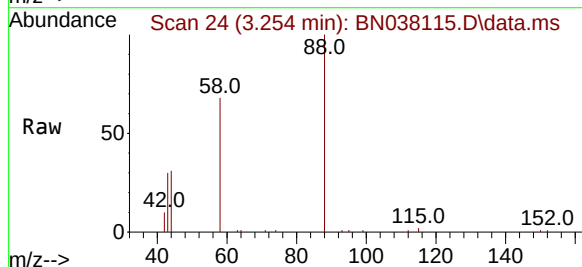


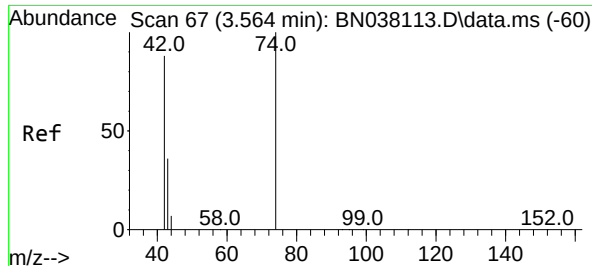
Tgt Ion:152 Resp: 9872
Ion Ratio Lower Upper
152 100
150 157.2 122.3 183.5
115 60.8 47.4 71.0



#2
1,4-Dioxane
Concen: 1.612 ng
RT: 3.254 min Scan# 24
Delta R.T. 0.000 min
Lab File: BN038115.D
Acq: 28 Oct 2025 15:25

Tgt Ion: 88 Resp: 16443
Ion Ratio Lower Upper
88 100
43 30.7 24.3 36.5
58 76.6 60.4 90.6

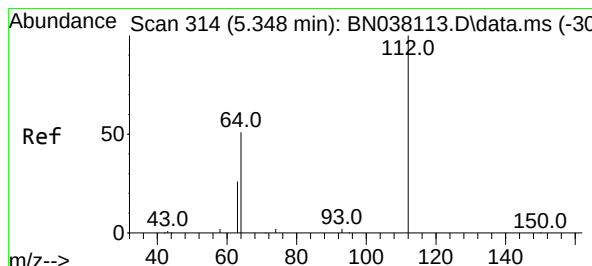
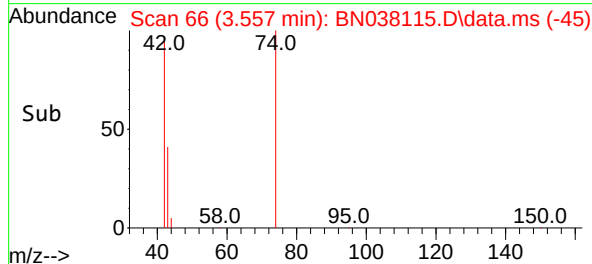
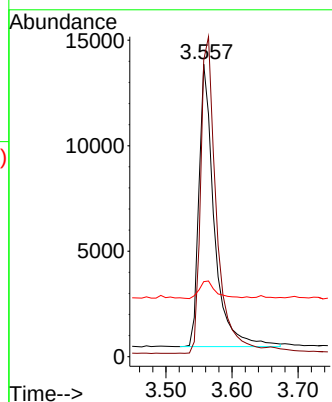
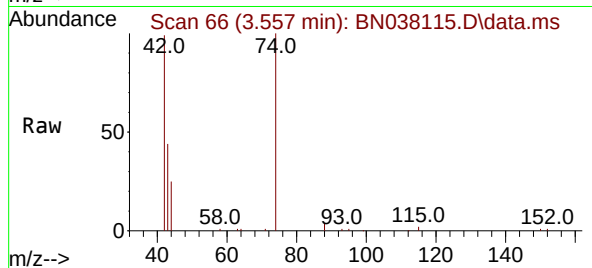




#3
n-Nitrosodimethylamine
Concen: 1.645 ng
RT: 3.557 min Scan# 60
Delta R.T. 0.000 min
Lab File: BN038115.D
Acq: 28 Oct 2025 15:25

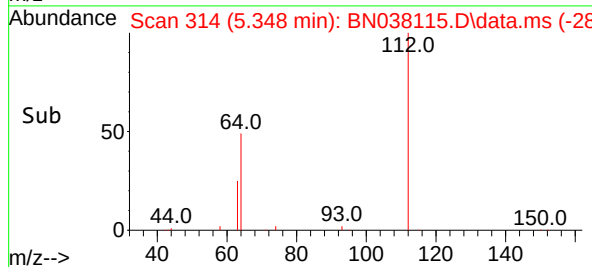
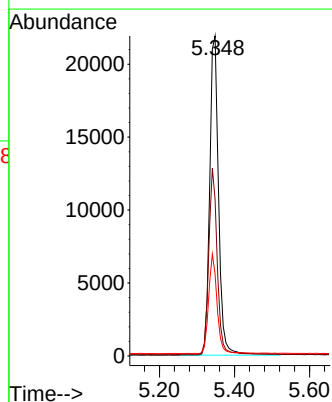
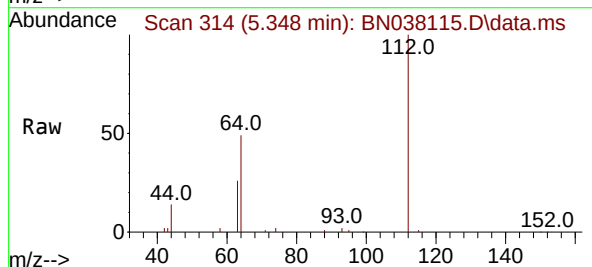
Instrument :
BNA_N
ClientSampleId :
SSTDICC1.6

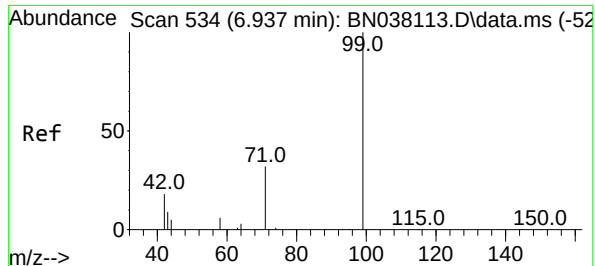
Tgt Ion: 42 Resp: 21596
Ion Ratio Lower Upper
42 100
74 115.8 96.8 145.2
44 6.3 5.3 7.9



#4
2-Fluorophenol
Concen: 1.560 ng
RT: 5.348 min Scan# 314
Delta R.T. 0.000 min
Lab File: BN038115.D
Acq: 28 Oct 2025 15:25

Tgt Ion: 112 Resp: 36286
Ion Ratio Lower Upper
112 100
64 56.2 45.4 68.0
63 29.9 23.2 34.8





#5

Phenol-d6

Concen: 1.576 ng

RT: 6.937 min Scan# 51

Delta R.T. 0.000 min

Lab File: BN038115.D

Acq: 28 Oct 2025 15:25

Instrument :

BNA_N

ClientSampleId :

SSTDICC1.6

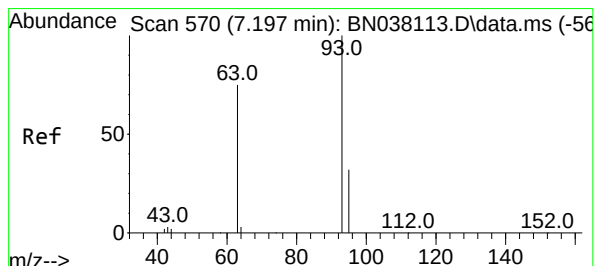
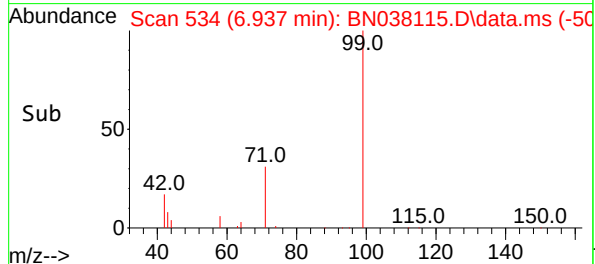
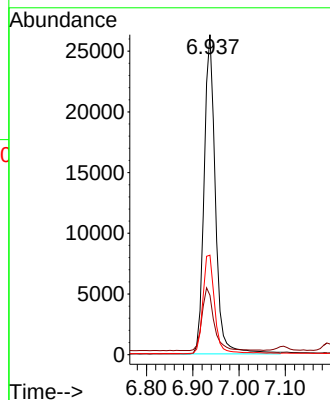
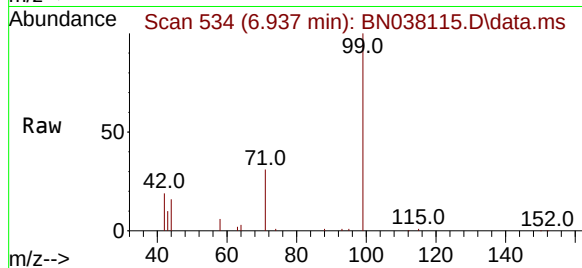
Tgt Ion: 99 Resp: 44651

Ion Ratio Lower Upper

99 100

42 20.8 16.6 24.8

71 32.5 25.4 38.2



#6

bis(2-Chloroethyl)ether

Concen: 1.628 ng

RT: 7.197 min Scan# 570

Delta R.T. 0.000 min

Lab File: BN038115.D

Acq: 28 Oct 2025 15:25

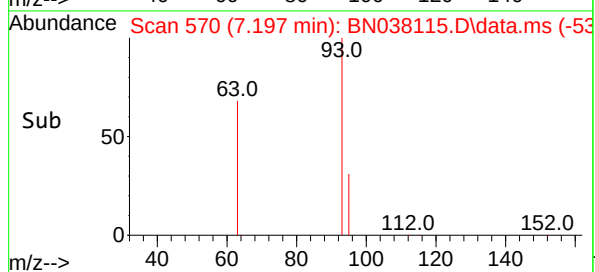
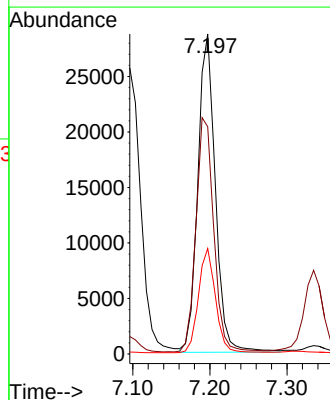
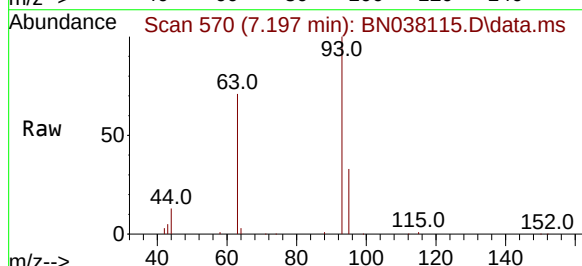
Tgt Ion: 93 Resp: 45315

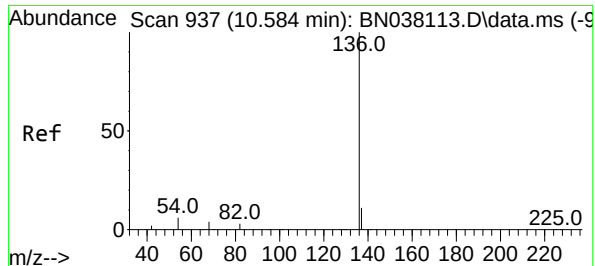
Ion Ratio Lower Upper

93 100

63 74.8 59.3 88.9

95 31.9 25.2 37.8





#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.584 min Scan# 91

Delta R.T. 0.011 min

Lab File: BN038115.D

Acq: 28 Oct 2025 15:25

Instrument :

BNA_N

ClientSampleId :

SSTDICC1.6

Tgt Ion:136 Resp: 29279

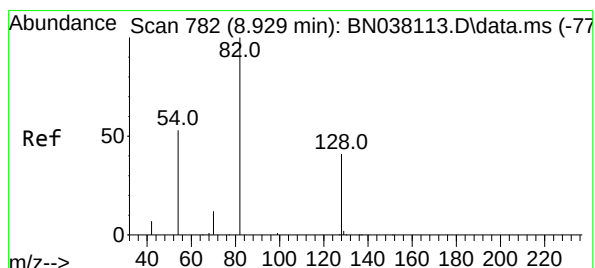
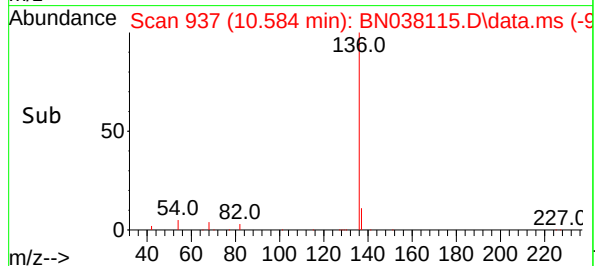
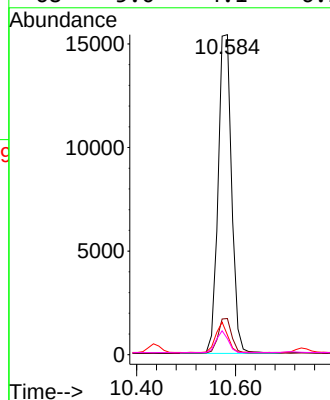
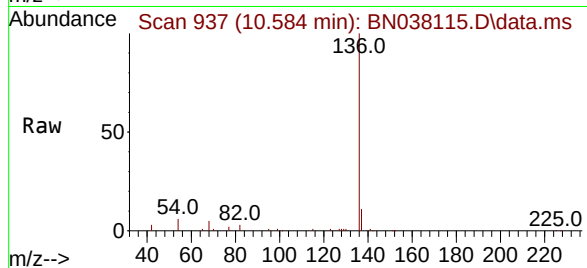
Ion Ratio Lower Upper

136 100

137 11.3 9.0 13.4

54 6.1 5.2 7.8

68 5.0 4.1 6.1



#8

Nitrobenzene-d5

Concen: 1.566 ng

RT: 8.929 min Scan# 782

Delta R.T. 0.000 min

Lab File: BN038115.D

Acq: 28 Oct 2025 15:25

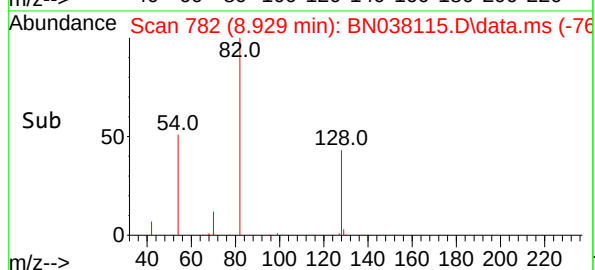
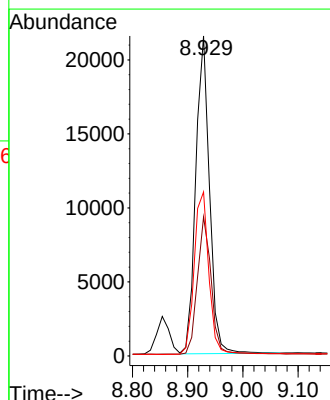
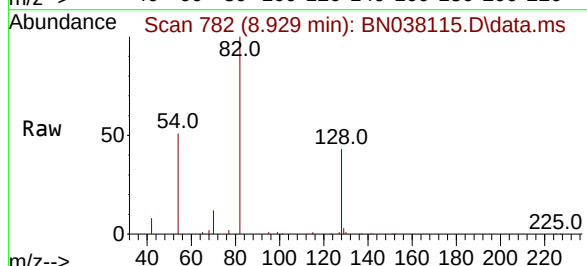
Tgt Ion: 82 Resp: 36991

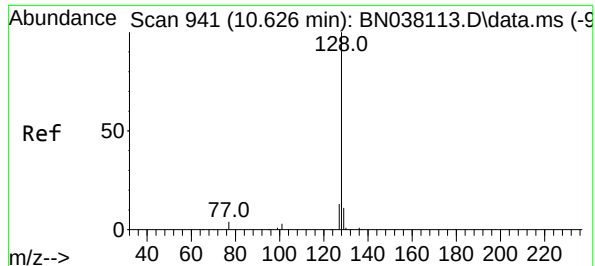
Ion Ratio Lower Upper

82 100

128 43.5 34.1 51.1

54 51.3 43.5 65.3

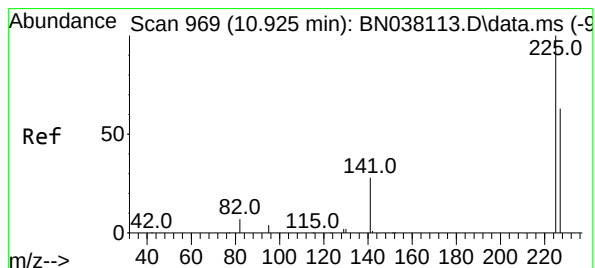
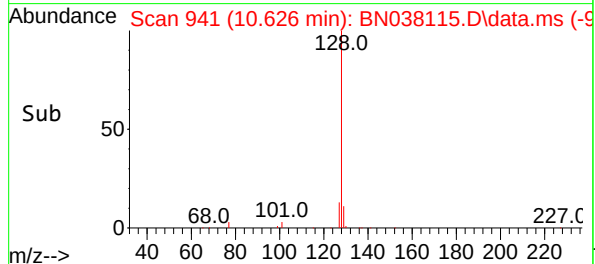
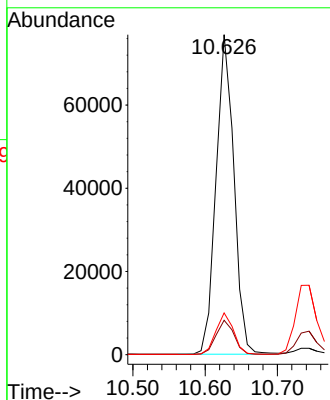
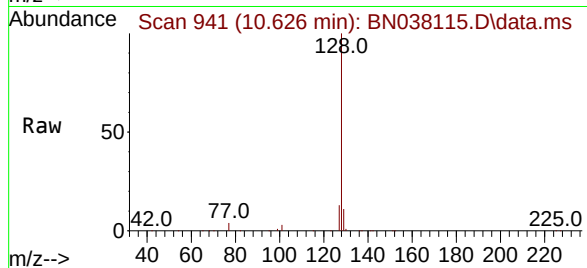




#9
Naphthalene
Concen: 1.634 ng
RT: 10.626 min Scan# 941
Delta R.T. 0.000 min
Lab File: BN038115.D
Acq: 28 Oct 2025 15:25

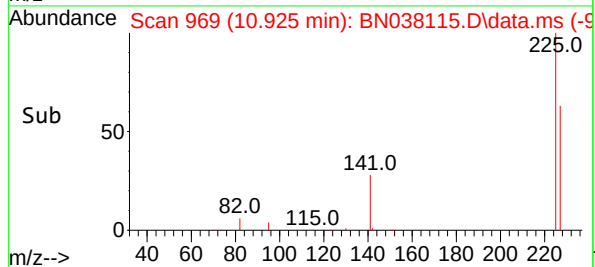
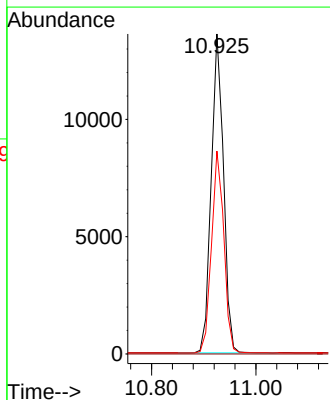
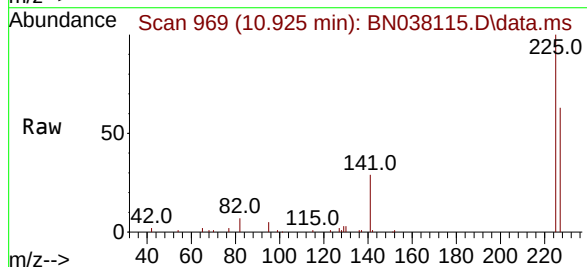
Instrument :
BNA_N
ClientSampleId :
SSTDICC1.6

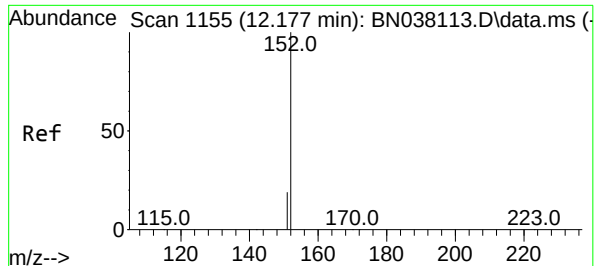
Tgt Ion:128 Resp: 131755
Ion Ratio Lower Upper
128 100
129 10.8 9.1 13.7
127 13.1 10.5 15.7



#10
Hexachlorobutadiene
Concen: 1.617 ng
RT: 10.925 min Scan# 969
Delta R.T. 0.000 min
Lab File: BN038115.D
Acq: 28 Oct 2025 15:25

Tgt Ion:225 Resp: 22006
Ion Ratio Lower Upper
225 100
223 0.0 0.0 0.0
227 63.8 50.3 75.5

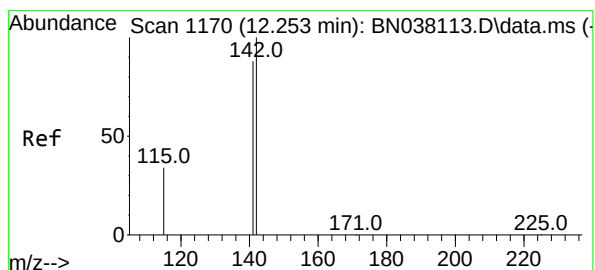
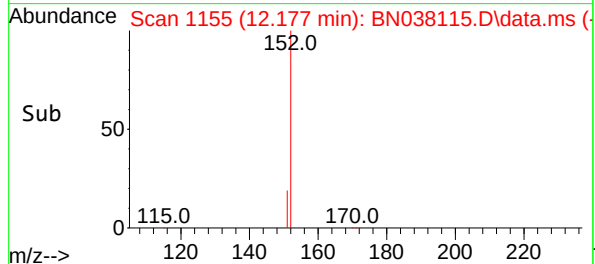
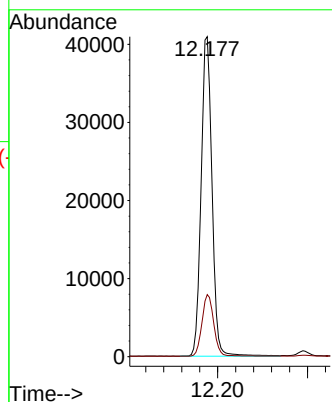
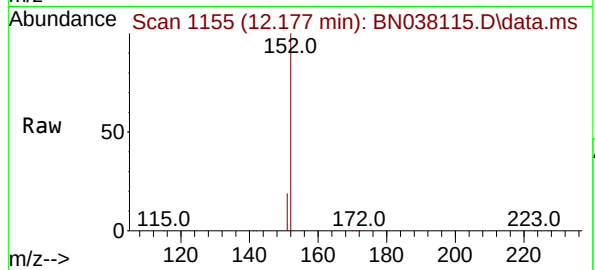




#11
2-Methylnaphthalene-d10
Concen: 1.642 ng
RT: 12.177 min Scan# 1155
Delta R.T. 0.000 min
Lab File: BN038115.D
Acq: 28 Oct 2025 15:25

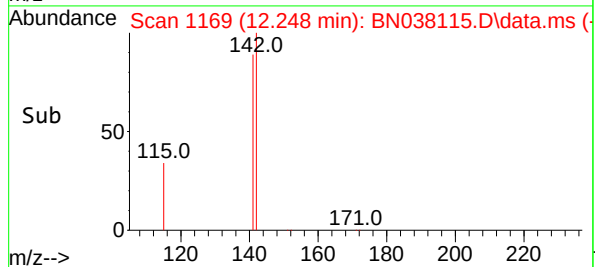
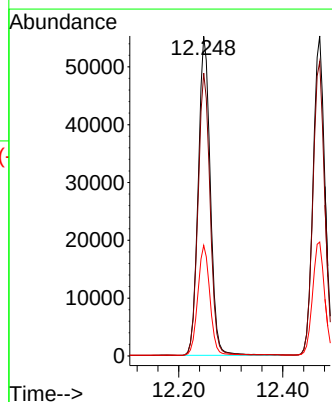
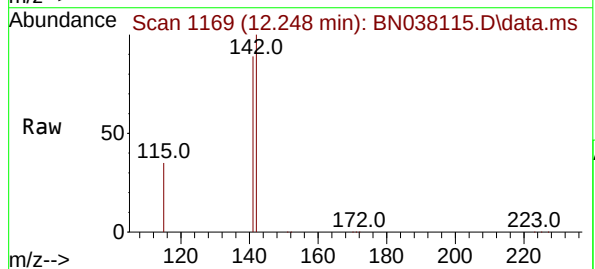
Instrument :
BNA_N
ClientSampleId :
SSTDICC1.6

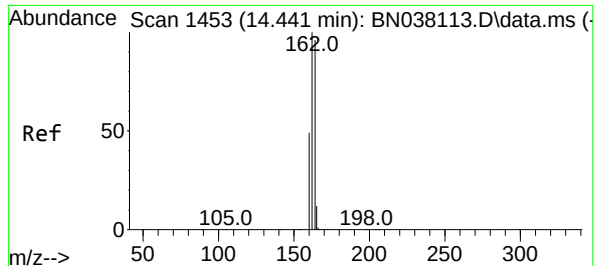
Tgt Ion:152 Resp: 68673
Ion Ratio Lower Upper
152 100
151 20.9 16.8 25.2



#12
2-Methylnaphthalene
Concen: 1.649 ng
RT: 12.248 min Scan# 1169
Delta R.T. 0.000 min
Lab File: BN038115.D
Acq: 28 Oct 2025 15:25

Tgt Ion:142 Resp: 88687
Ion Ratio Lower Upper
142 100
141 88.5 70.3 105.5
115 34.6 27.8 41.6

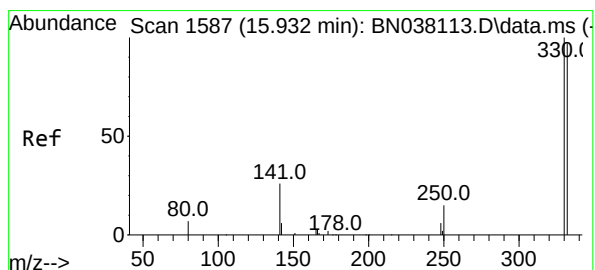
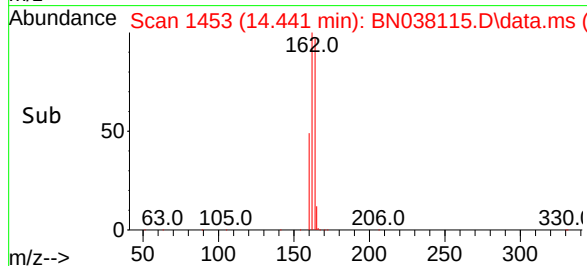
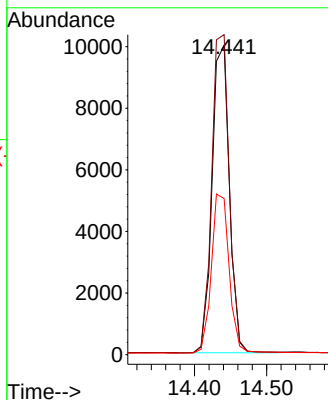
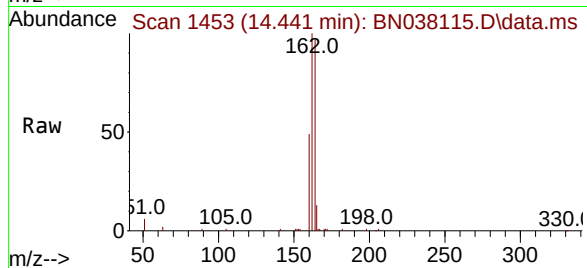




#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.441 min Scan# 1453
Delta R.T. 0.011 min
Lab File: BN038115.D
Acq: 28 Oct 2025 15:25

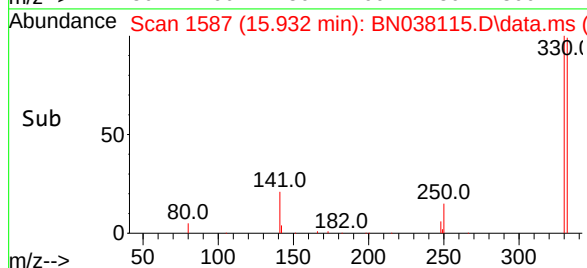
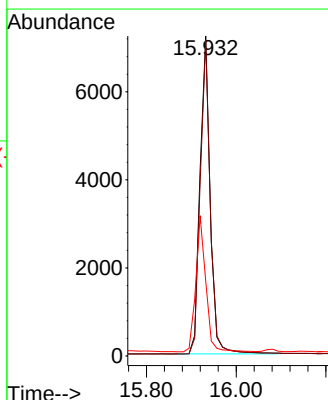
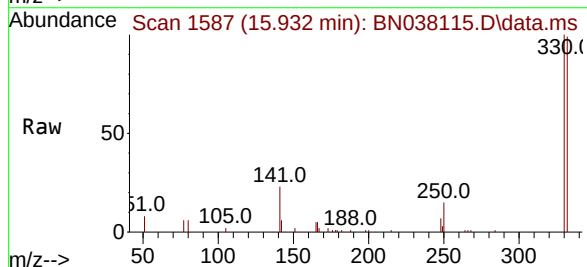
Instrument :
BNA_N
ClientSampleId :
SSTDICC1.6

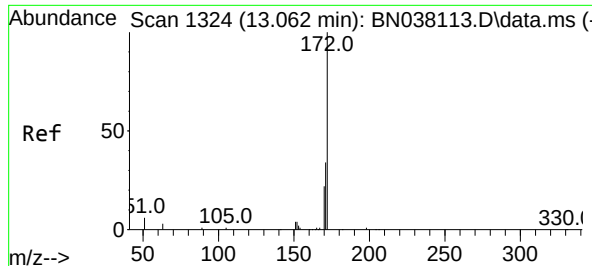
Tgt Ion	Ratio	Lower	Upper
164	100		
162	103.5	83.0	124.4
160	50.5	40.7	61.1



#14
2,4,6-Tribromophenol
Concen: 1.663 ng
RT: 15.932 min Scan# 1587
Delta R.T. 0.000 min
Lab File: BN038115.D
Acq: 28 Oct 2025 15:25

Tgt Ion	Ratio	Lower	Upper
330	100		
332	97.4	76.6	114.8
141	41.9	34.1	51.1

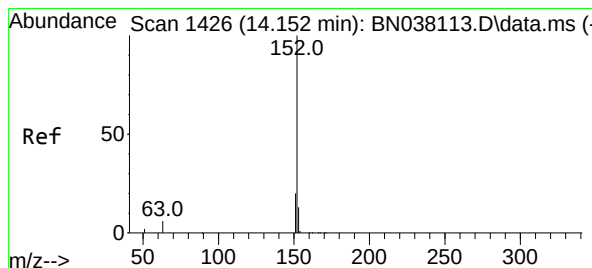
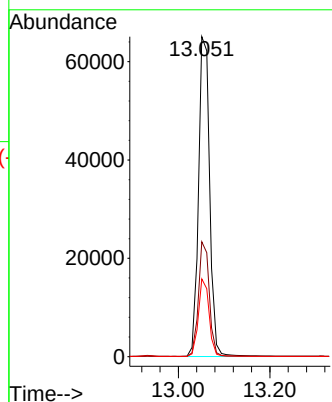
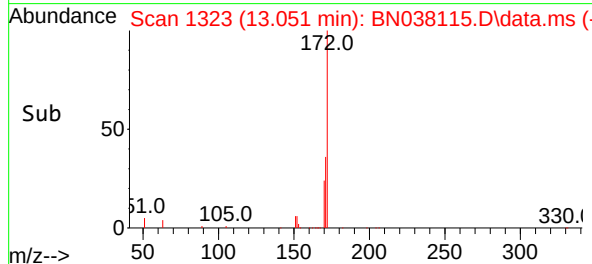
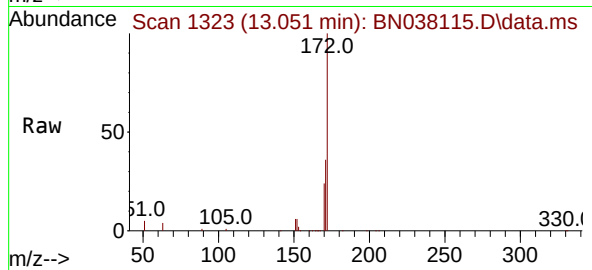




#15
2-Fluorobiphenyl
Concen: 1.613 ng
RT: 13.051 min Scan# 1323
Delta R.T. 0.000 min
Lab File: BN038115.D
Acq: 28 Oct 2025 15:25

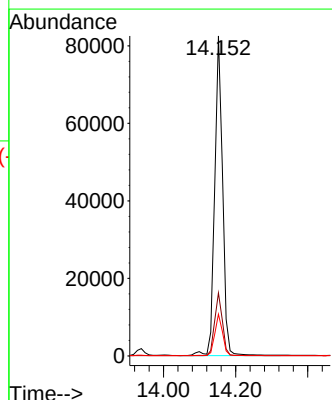
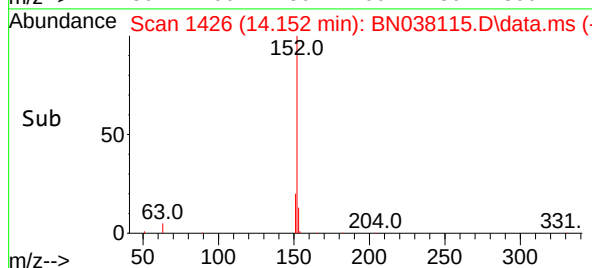
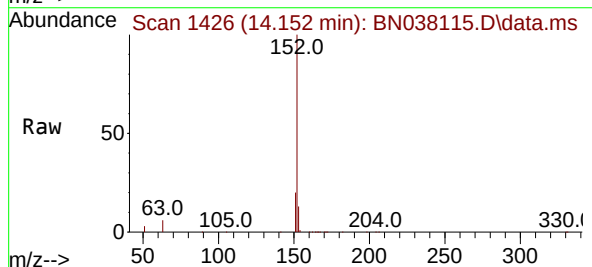
Instrument :
BNA_N
ClientSampleId :
SSTDICC1.6

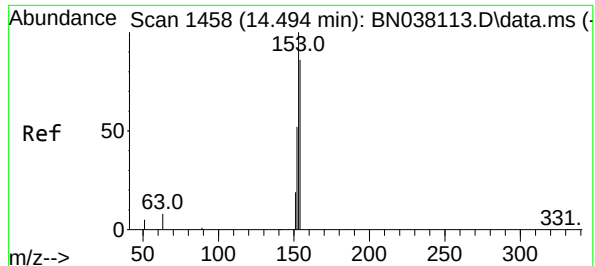
Tgt Ion:172 Resp: 107386
Ion Ratio Lower Upper
172 100
171 35.9 27.8 41.6
170 24.3 18.1 27.1



#16
Acenaphthylene
Concen: 1.671 ng
RT: 14.152 min Scan# 1426
Delta R.T. 0.000 min
Lab File: BN038115.D
Acq: 28 Oct 2025 15:25

Tgt Ion:152 Resp: 125798
Ion Ratio Lower Upper
152 100
151 19.4 15.8 23.8
153 13.0 10.2 15.2

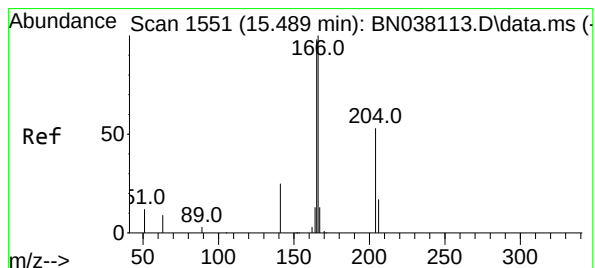
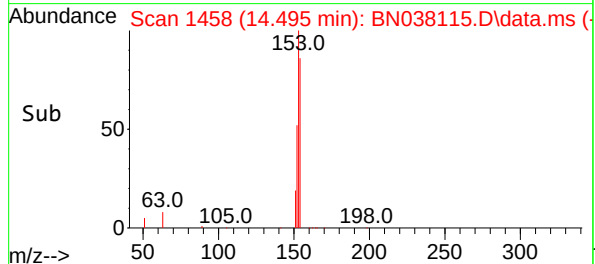
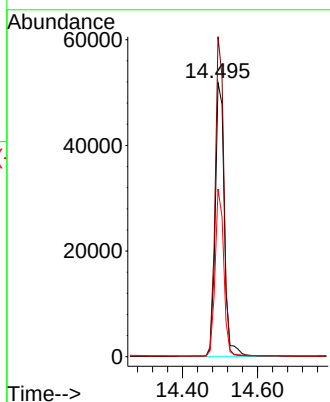
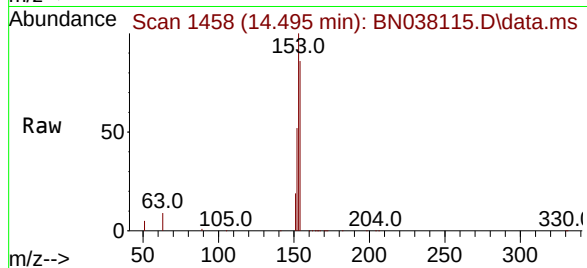




#17
Acenaphthene
Concen: 1.664 ng
RT: 14.495 min Scan# 1458
Delta R.T. 0.000 min
Lab File: BN038115.D
Acq: 28 Oct 2025 15:25

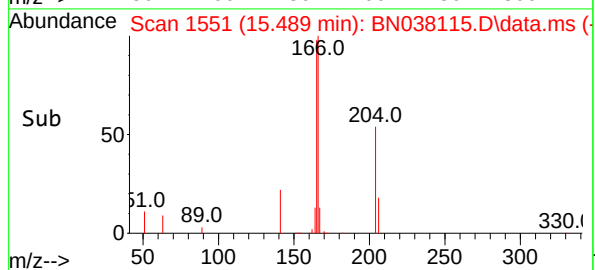
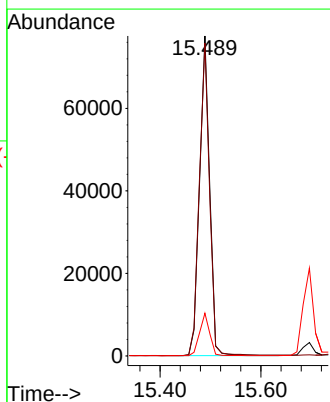
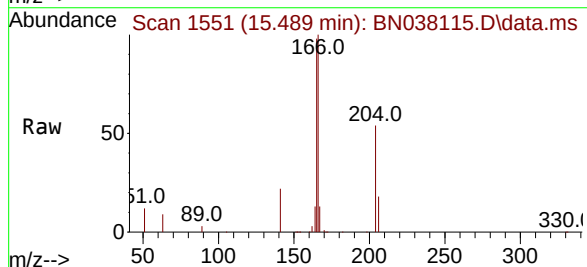
Instrument :
BNA_N
ClientSampleId :
SSTDICC1.6

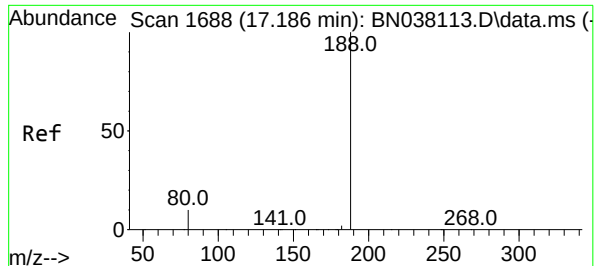
Tgt Ion:154 Resp: 87659
Ion Ratio Lower Upper
154 100
153 110.3 90.0 135.0
152 57.5 47.3 70.9



#18
Fluorene
Concen: 1.703 ng
RT: 15.489 min Scan# 1551
Delta R.T. -0.000 min
Lab File: BN038115.D
Acq: 28 Oct 2025 15:25

Tgt Ion:166 Resp: 117574
Ion Ratio Lower Upper
166 100
165 98.4 79.0 118.4
167 13.2 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: BN038115.D

Acq: 28 Oct 2025 15:25

Instrument :

BNA_N

ClientSampleId :

SSTDICC1.6

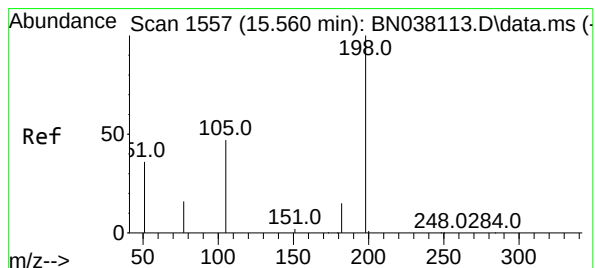
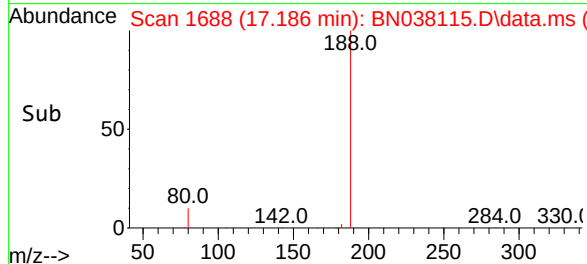
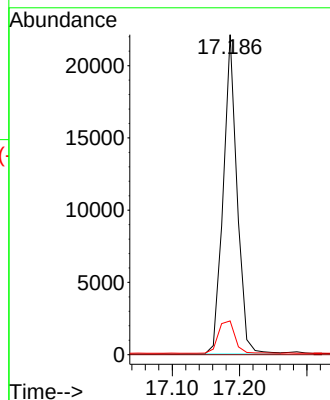
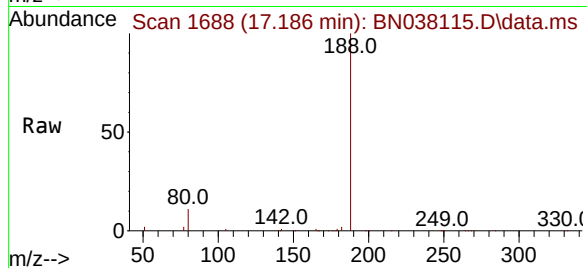
Tgt Ion:188 Resp: 31469

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

80 10.6 8.6 13.0



#20

4,6-Dinitro-2-methylphenol

Concen: 1.534 ng

RT: 15.560 min Scan# 1557

Delta R.T. -0.000 min

Lab File: BN038115.D

Acq: 28 Oct 2025 15:25

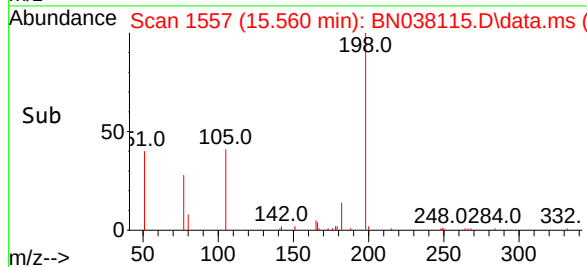
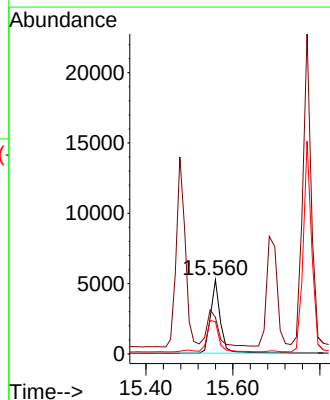
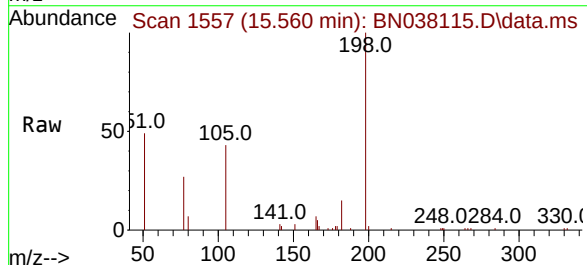
Tgt Ion:198 Resp: 7997

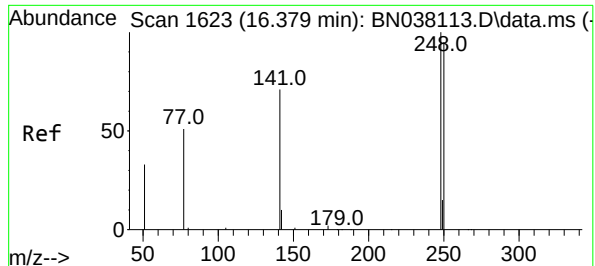
Ion Ratio Lower Upper

198 100

51 49.4 88.9 133.3#

105 43.5 49.2 73.8#

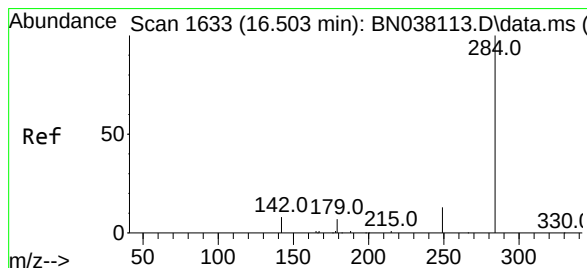
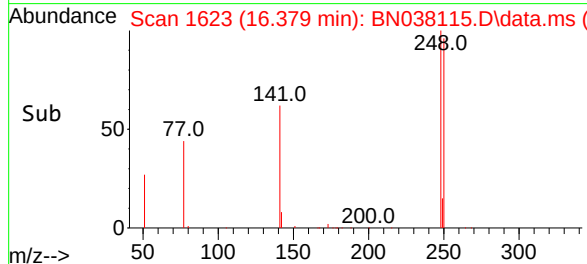
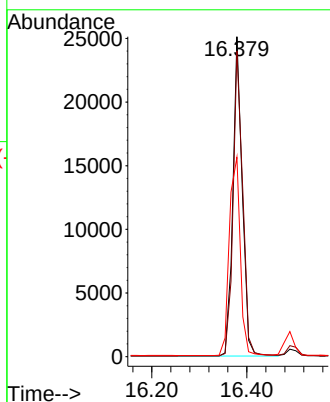
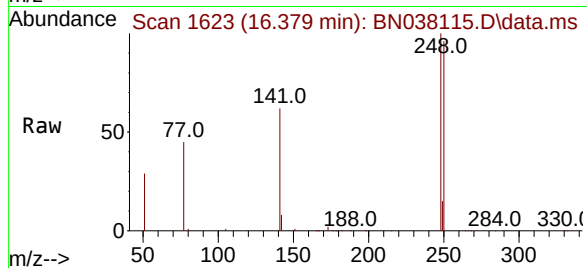




#21
4-Bromophenyl-phenylether
Concen: 1.669 ng
RT: 16.379 min Scan# 1623
Delta R.T. 0.000 min
Lab File: BN038115.D
Acq: 28 Oct 2025 15:25

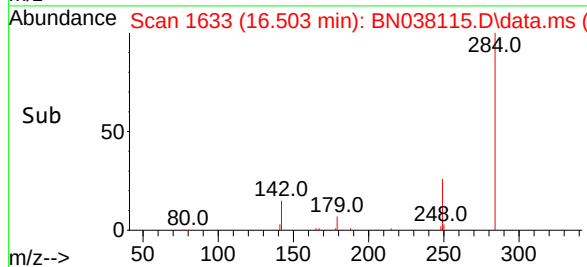
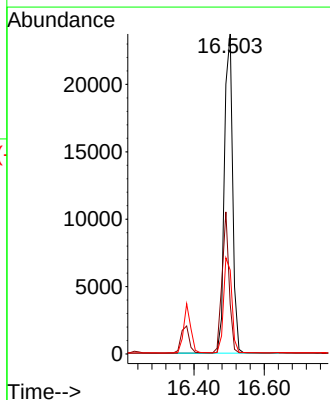
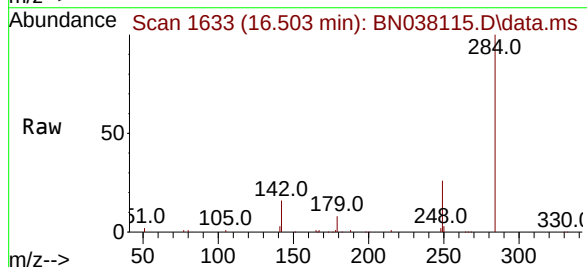
Instrument :
BNA_N
ClientSampleId :
SSTDICC1.6

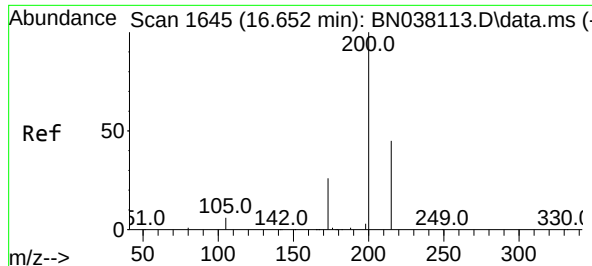
Tgt Ion	Ratio	Lower	Upper
248	100		
250	95.6	76.2	114.2
141	62.3	57.6	86.4



#22
Hexachlorobenzene
Concen: 1.642 ng
RT: 16.503 min Scan# 1633
Delta R.T. 0.000 min
Lab File: BN038115.D
Acq: 28 Oct 2025 15:25

Tgt Ion	Ratio	Lower	Upper
284	100		
142	38.3	30.5	45.7
249	30.0	23.5	35.3

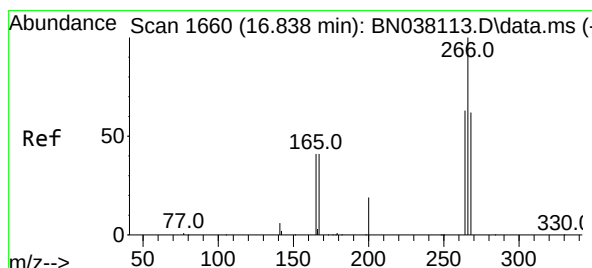
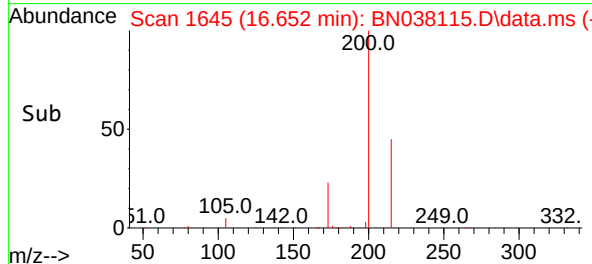
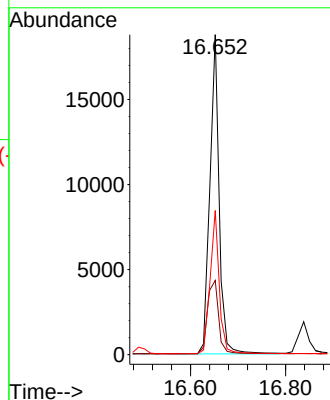
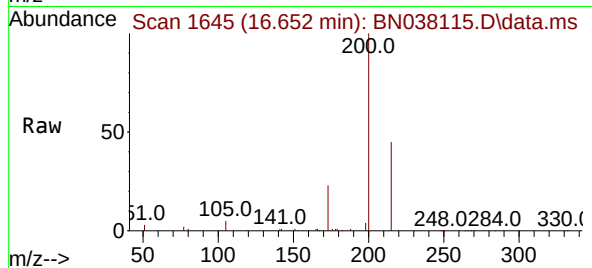




#23
Atrazine
Concen: 1.693 ng
RT: 16.652 min Scan# 1645
Delta R.T. 0.000 min
Lab File: BN038115.D
Acq: 28 Oct 2025 15:25

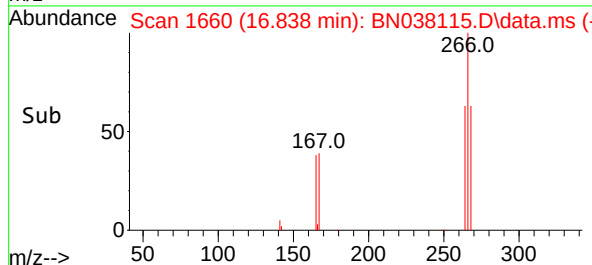
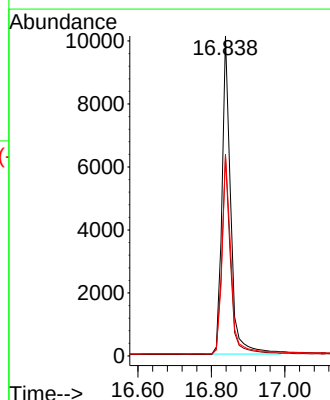
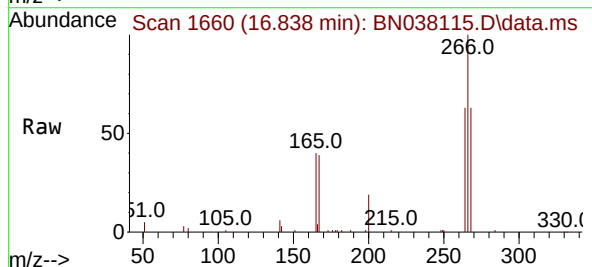
Instrument :
BNA_N
ClientSampleId :
SSTDICC1.6

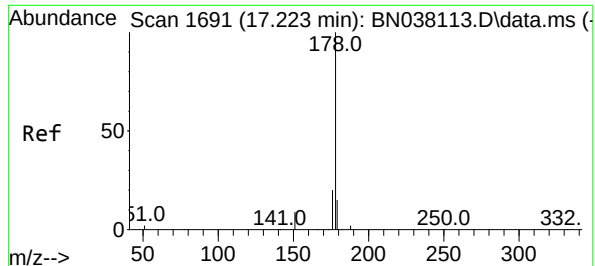
Tgt Ion	Ratio	Lower	Upper
200	100		
173	23.2	21.4	32.2
215	45.1	36.7	55.1



#24
Pentachlorophenol
Concen: 1.646 ng
RT: 16.838 min Scan# 1660
Delta R.T. 0.000 min
Lab File: BN038115.D
Acq: 28 Oct 2025 15:25

Tgt Ion	Ratio	Lower	Upper
266	100		
264	62.5	49.3	73.9
268	63.5	50.6	75.8

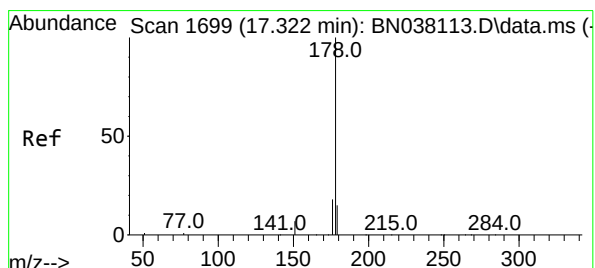
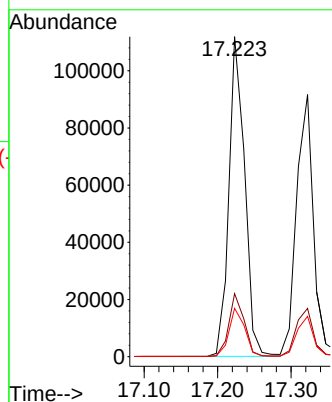
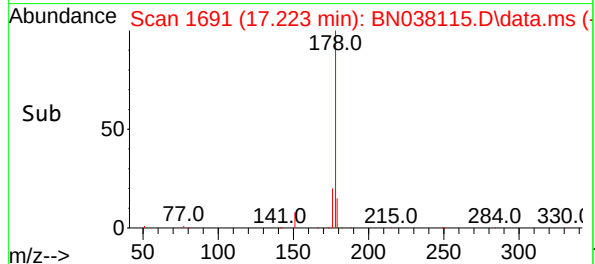
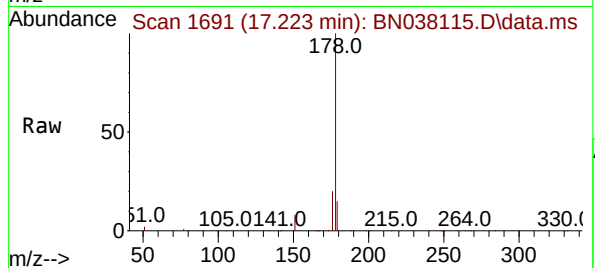




#25
Phenanthrene
Concen: 1.671 ng
RT: 17.223 min Scan# 1691
Delta R.T. 0.000 min
Lab File: BN038115.D
Acq: 28 Oct 2025 15:25

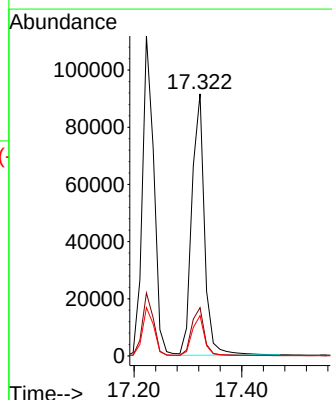
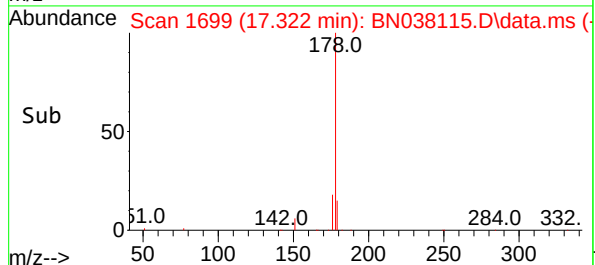
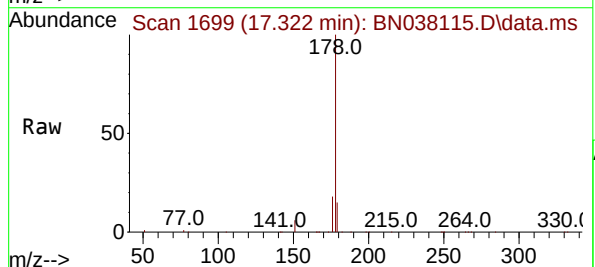
Instrument :
BNA_N
ClientSampleId :
SSTDICC1.6

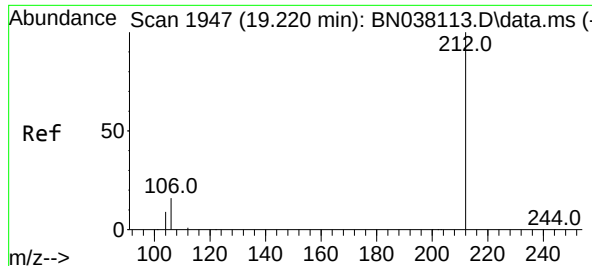
Tgt Ion:178 Resp: 166989
Ion Ratio Lower Upper
178 100
176 19.2 15.5 23.3
179 15.2 12.2 18.4



#26
Anthracene
Concen: 1.702 ng
RT: 17.322 min Scan# 1699
Delta R.T. 0.000 min
Lab File: BN038115.D
Acq: 28 Oct 2025 15:25

Tgt Ion:178 Resp: 148754
Ion Ratio Lower Upper
178 100
176 18.6 14.9 22.3
179 15.2 11.8 17.8





#27

Fluoranthene-d10

Concen: 1.665 ng

RT: 19.220 min Scan# 1947

Delta R.T. 0.000 min

Lab File: BN038115.D

Acq: 28 Oct 2025 15:25

Instrument :

BNA_N

ClientSampleId :

SSTDICC1.6

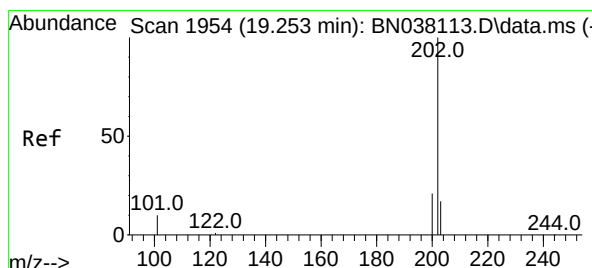
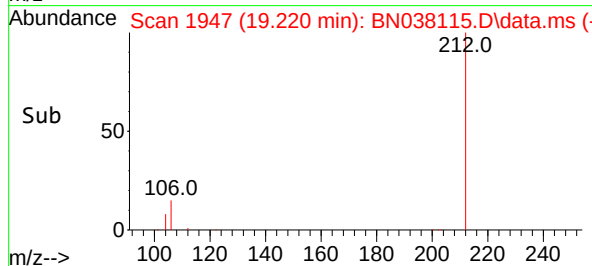
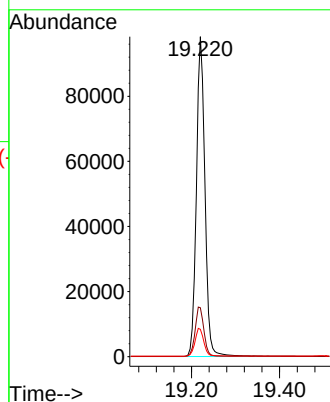
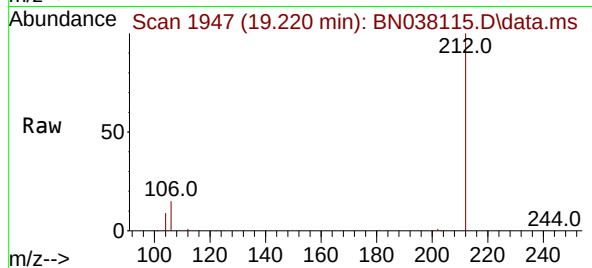
Tgt Ion:212 Resp: 132146

Ion Ratio Lower Upper

212 100

106 16.0 12.6 19.0

104 8.9 7.1 10.7



#28

Fluoranthene

Concen: 1.682 ng

RT: 19.253 min Scan# 1954

Delta R.T. 0.000 min

Lab File: BN038115.D

Acq: 28 Oct 2025 15:25

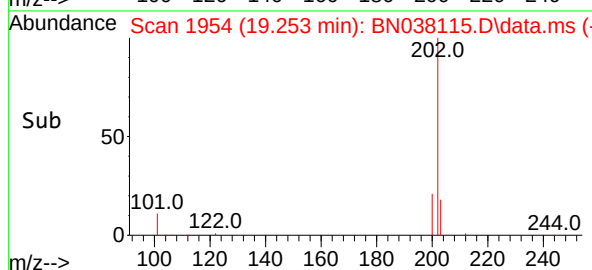
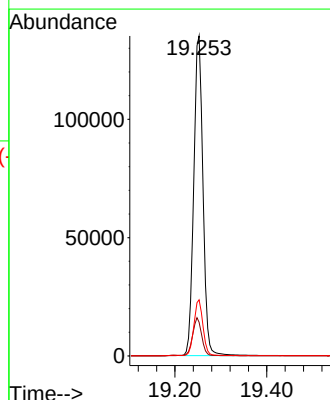
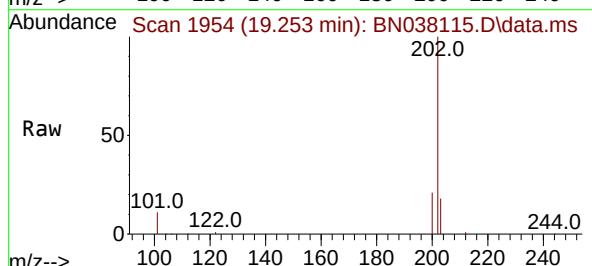
Tgt Ion:202 Resp: 187774

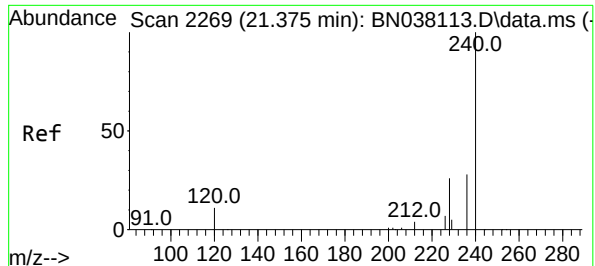
Ion Ratio Lower Upper

202 100

101 11.9 9.4 14.2

203 17.2 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: BN038115.D

Acq: 28 Oct 2025 15:25

Instrument :

BNA_N

ClientSampleId :

SSTDICC1.6

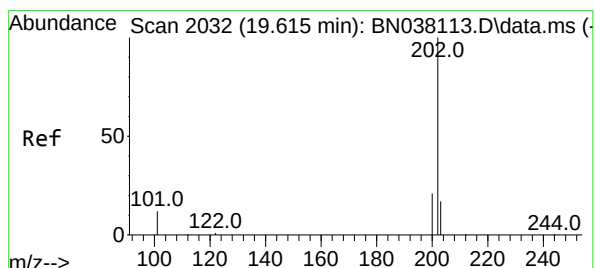
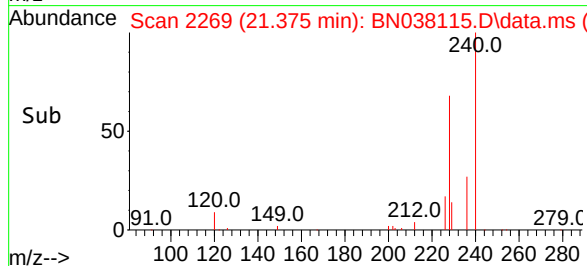
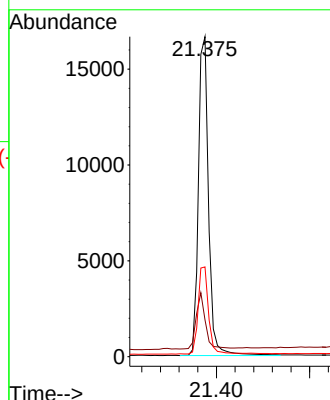
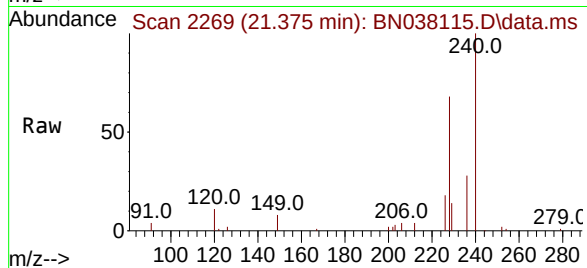
Tgt Ion:240 Resp: 25173

Ion Ratio Lower Upper

240 100

120 11.5 10.7 16.1

236 28.0 23.1 34.7



#30

Pyrene

Concen: 1.626 ng

RT: 19.610 min Scan# 2031

Delta R.T. 0.000 min

Lab File: BN038115.D

Acq: 28 Oct 2025 15:25

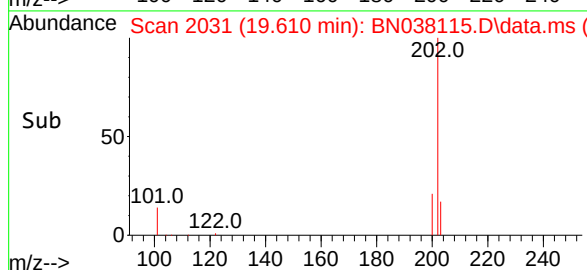
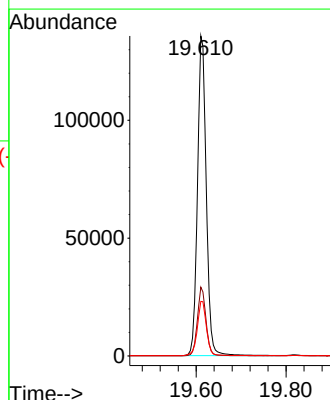
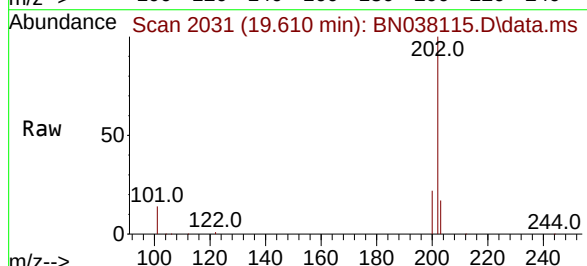
Tgt Ion:202 Resp: 184735

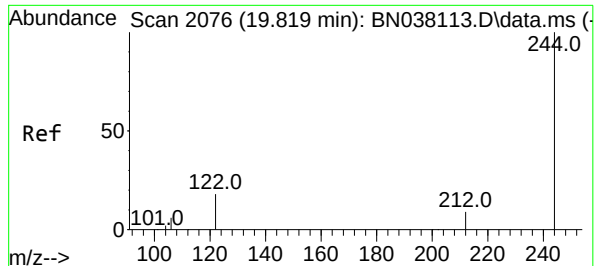
Ion Ratio Lower Upper

202 100

200 21.0 16.7 25.1

203 17.7 14.2 21.2

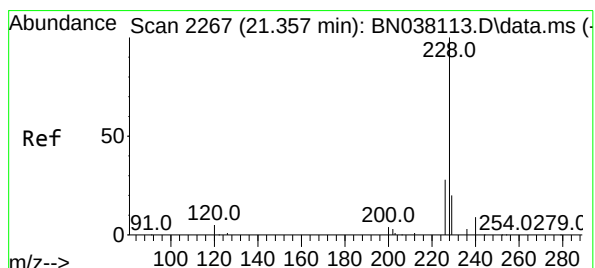
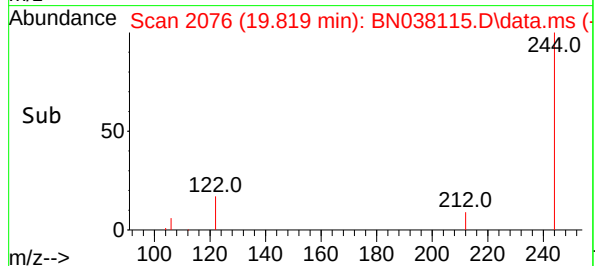
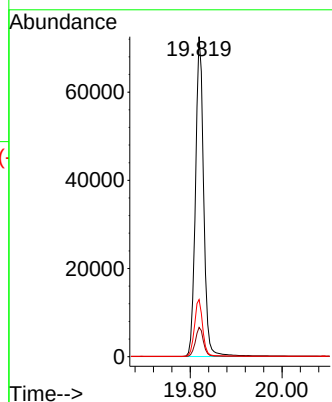
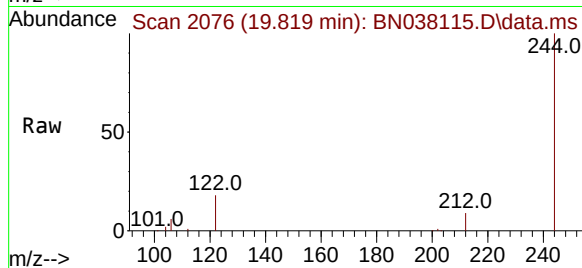




#31
Terphenyl-d14
Concen: 1.642 ng
RT: 19.819 min Scan# 2076
Delta R.T. 0.000 min
Lab File: BN038115.D
Acq: 28 Oct 2025 15:25

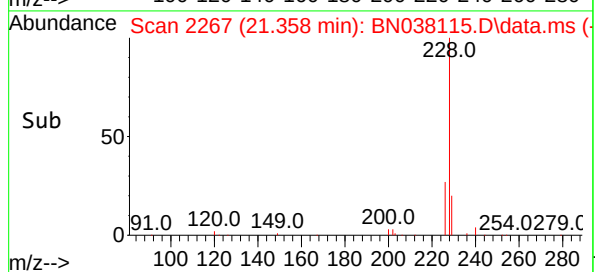
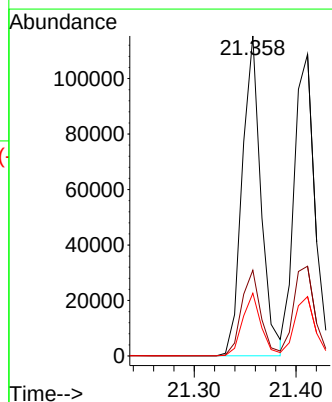
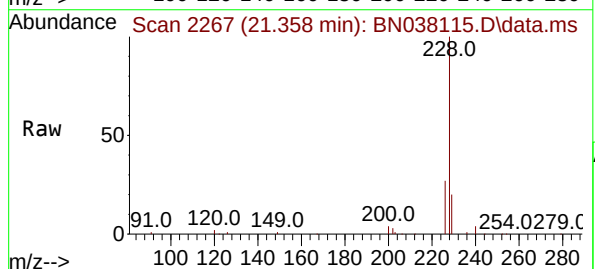
Instrument :
BNA_N
ClientSampleId :
SSTDICC1.6

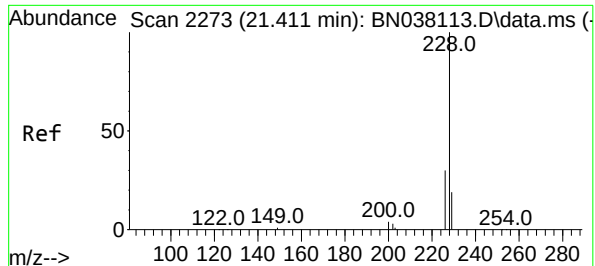
Tgt Ion:244 Resp: 89776
Ion Ratio Lower Upper
244 100
212 9.1 7.8 11.6
122 17.8 15.2 22.8



#32
Benzo(a)anthracene
Concen: 1.647 ng
RT: 21.358 min Scan# 2267
Delta R.T. 0.000 min
Lab File: BN038115.D
Acq: 28 Oct 2025 15:25

Tgt Ion:228 Resp: 147889
Ion Ratio Lower Upper
228 100
226 26.8 22.2 33.4
229 19.6 15.8 23.8





#33

Chrysene

Concen: 1.610 ng

RT: 21.411 min Scan# 21

Delta R.T. 0.000 min

Lab File: BN038115.D

Acq: 28 Oct 2025 15:25

Instrument :

BNA_N

ClientSampleId :

SSTDICC1.6

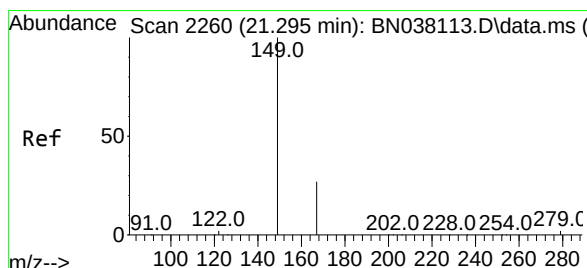
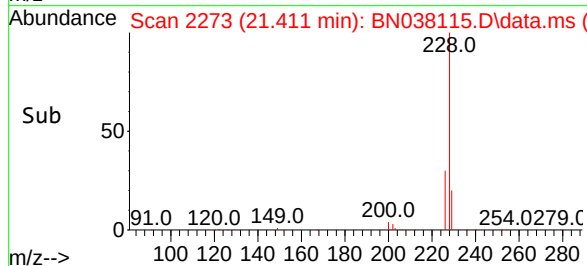
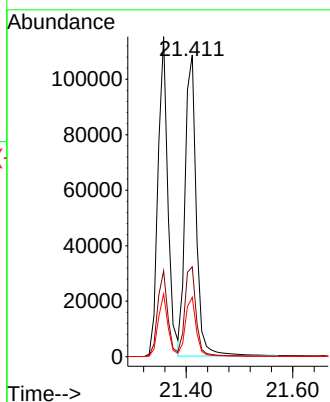
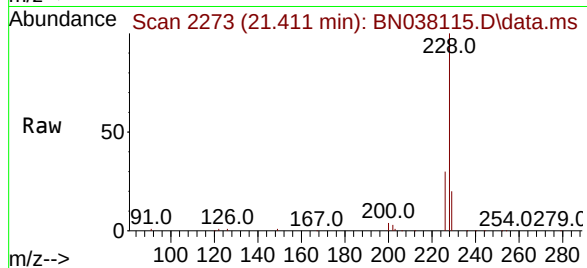
Tgt Ion:228 Resp: 156927

Ion Ratio Lower Upper

228 100

226 29.8 24.3 36.5

229 19.7 15.7 23.5



#34

Bis(2-ethylhexyl)phthalate

Concen: 1.535 ng

RT: 21.295 min Scan# 2260

Delta R.T. 0.000 min

Lab File: BN038115.D

Acq: 28 Oct 2025 15:25

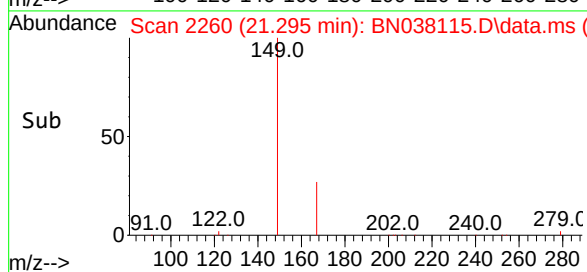
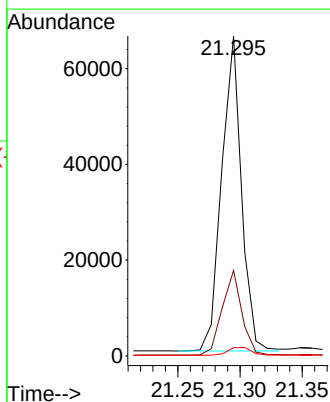
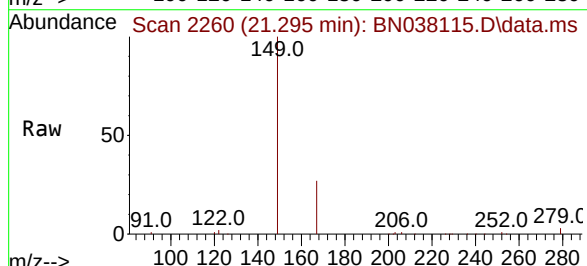
Tgt Ion:149 Resp: 72607

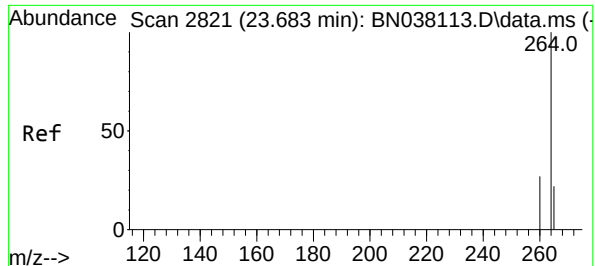
Ion Ratio Lower Upper

149 100

167 26.6 21.1 31.7

279 3.0 2.9 4.3

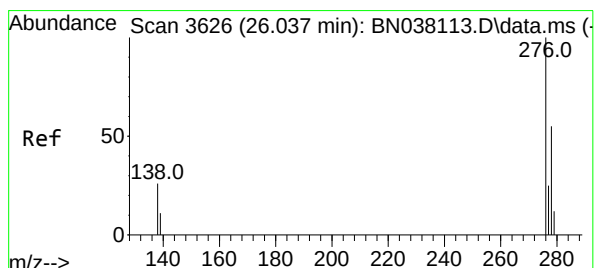
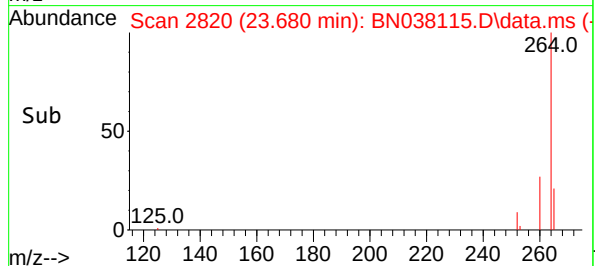
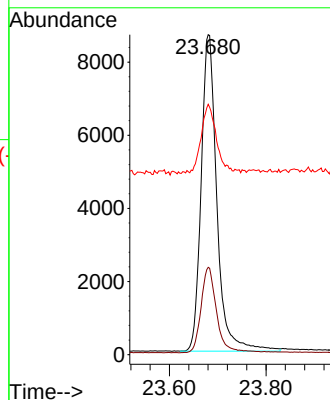
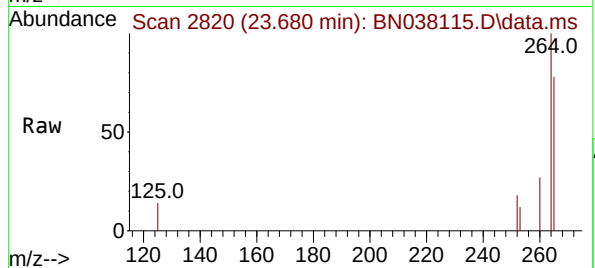




#35
Perylene-d12
Concen: 0.400 ng
RT: 23.680 min Scan# 21
Delta R.T. 0.000 min
Lab File: BN038115.D
Acq: 28 Oct 2025 15:25

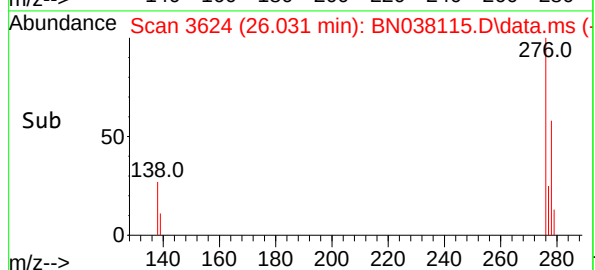
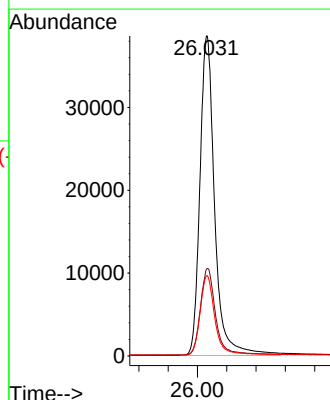
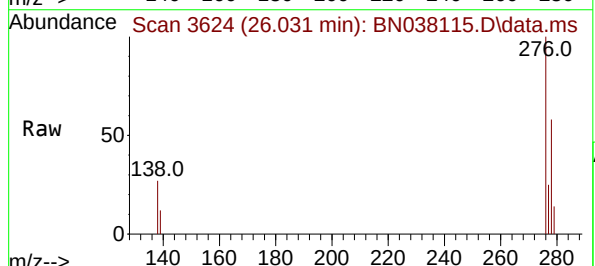
Instrument :
BNA_N
ClientSampleId :
SSTDICC1.6

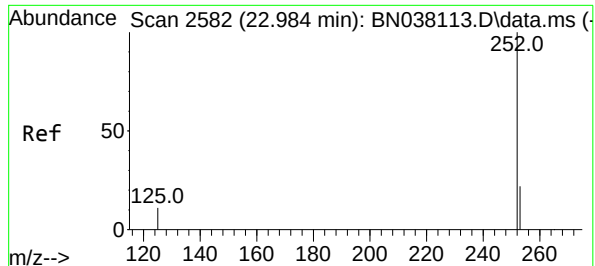
Tgt Ion:264 Resp: 19529
Ion Ratio Lower Upper
264 100
260 27.3 21.8 32.8
265 78.3 68.6 102.8



#36
Indeno(1,2,3-cd)pyrene
Concen: 1.685 ng
RT: 26.031 min Scan# 3624
Delta R.T. -0.003 min
Lab File: BN038115.D
Acq: 28 Oct 2025 15:25

Tgt Ion:276 Resp: 135169
Ion Ratio Lower Upper
276 100
138 27.6 21.4 32.0
277 24.5 19.2 28.8





#37

Benzo(b)fluoranthene

Concen: 1.689 ng

RT: 22.981 min Scan# 2581

Delta R.T. 0.000 min

Lab File: BN038115.D

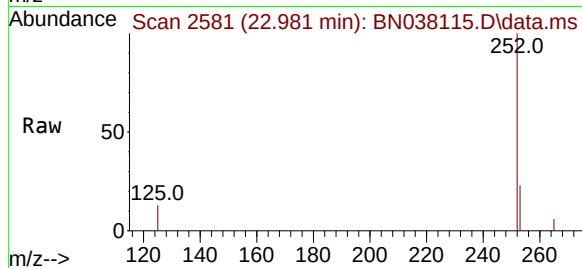
Acq: 28 Oct 2025 15:25

Instrument :

BNA_N

ClientSampleId :

SSTDICC1.6



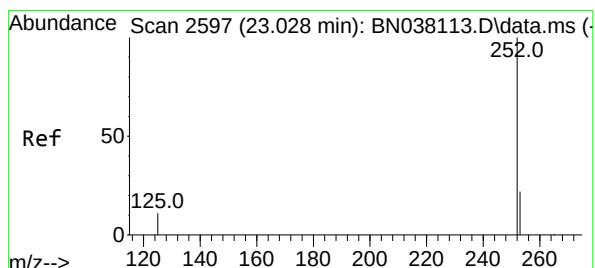
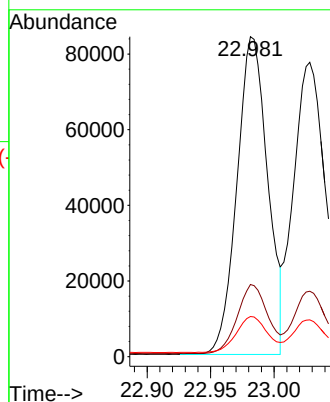
Tgt Ion:252 Resp: 141041

Ion Ratio Lower Upper

252 100

253 22.5 20.9 31.3

125 12.6 14.1 21.1#



#38

Benzo(k)fluoranthene

Concen: 1.702 ng

RT: 23.028 min Scan# 2597

Delta R.T. 0.000 min

Lab File: BN038115.D

Acq: 28 Oct 2025 15:25

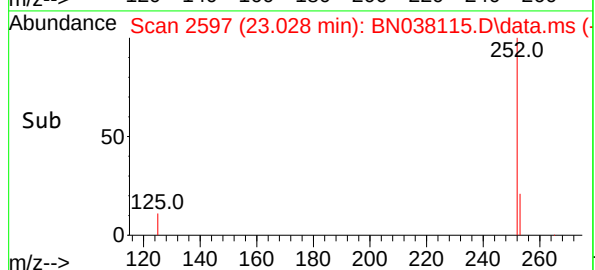
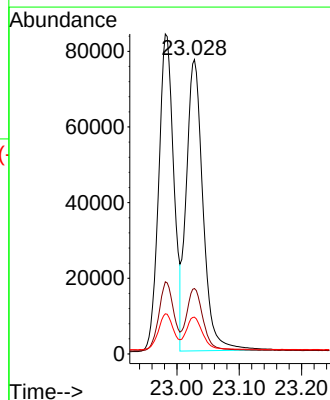
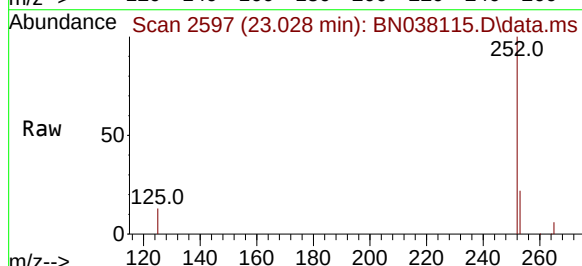
Tgt Ion:252 Resp: 143019

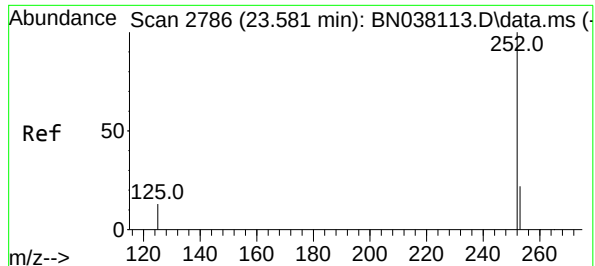
Ion Ratio Lower Upper

252 100

253 22.2 21.2 31.8

125 12.5 14.6 22.0#





#39

Benzo(a)pyrene

Concen: 1.660 ng

RT: 23.578 min Scan# 21

Delta R.T. 0.000 min

Lab File: BN038115.D

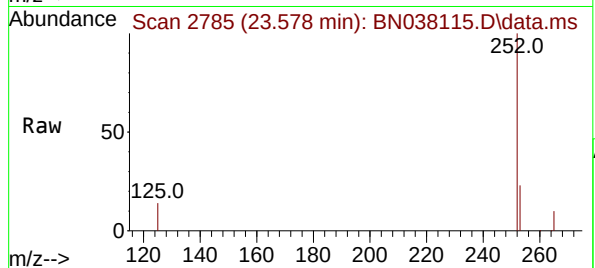
Acq: 28 Oct 2025 15:25

Instrument :

BNA_N

ClientSampleId :

SSTDICC1.6



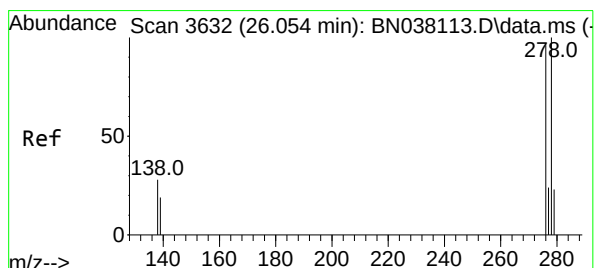
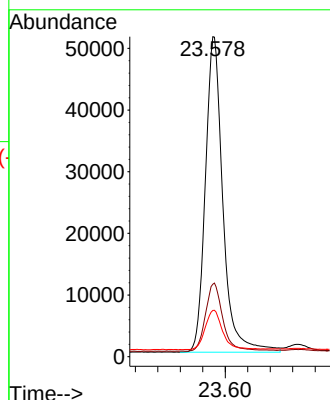
Tgt Ion:252 Resp: 110949

Ion Ratio Lower Upper

252 100

253 22.7 23.1 34.7#

125 14.4 18.6 28.0#



#40

Dibenzo(a,h)anthracene

Concen: 1.710 ng

RT: 26.048 min Scan# 3630

Delta R.T. 0.000 min

Lab File: BN038115.D

Acq: 28 Oct 2025 15:25

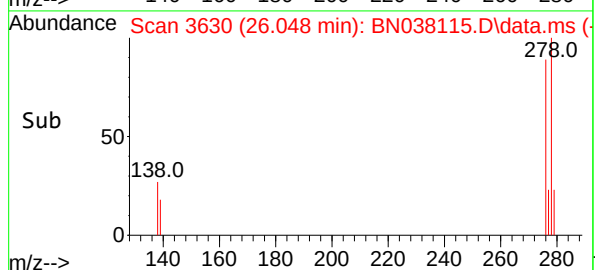
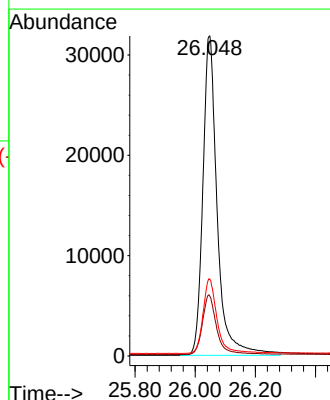
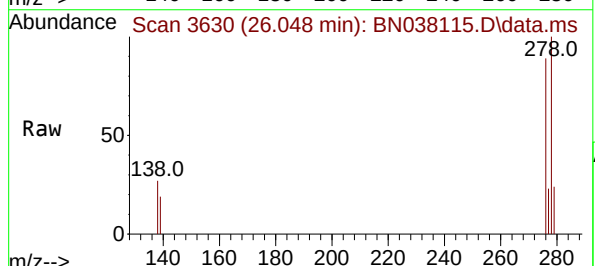
Tgt Ion:278 Resp: 105589

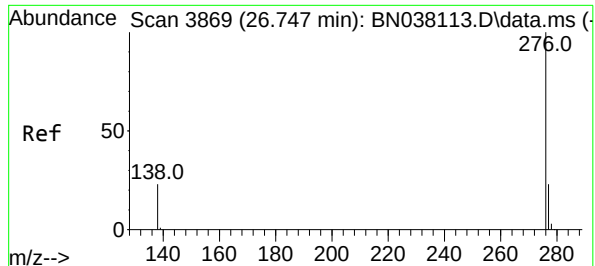
Ion Ratio Lower Upper

278 100

139 18.7 17.6 26.4

279 23.9 22.6 33.8





#41

Benzo(g,h,i)perylene

Concen: 1.660 ng

RT: 26.747 min Scan# 3869

Delta R.T. -0.003 min

Lab File: BN038115.D

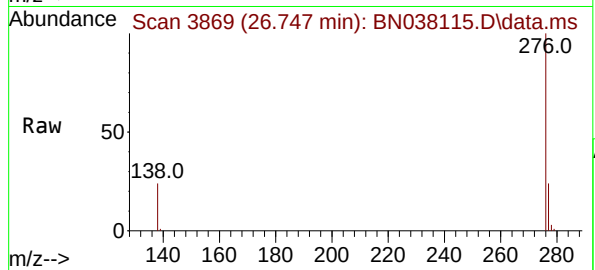
Acq: 28 Oct 2025 15:25

Instrument :

BNA_N

ClientSampleId :

SSTDICC1.6



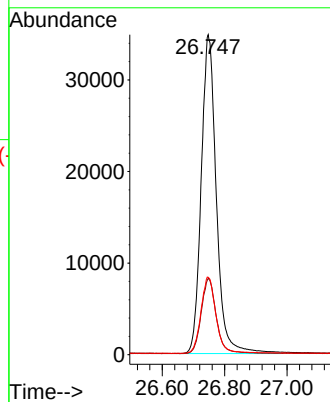
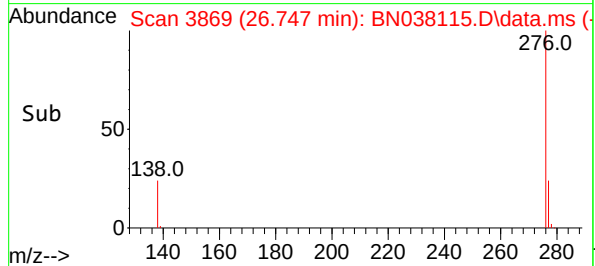
Tgt Ion:276 Resp: 117071

Ion Ratio Lower Upper

276 100

277 23.9 19.7 29.5

138 24.2 20.2 30.4



Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN102825\
 Data File : BN038116.D
 Acq On : 28 Oct 2025 16:02
 Operator : RC/JU
 Sample : SSTDICC3.2
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 SSTDICC3.2

Quant Time: Oct 28 17:31:55 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN102825.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Oct 28 17:15:13 2025
 Response via : Initial Calibration

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

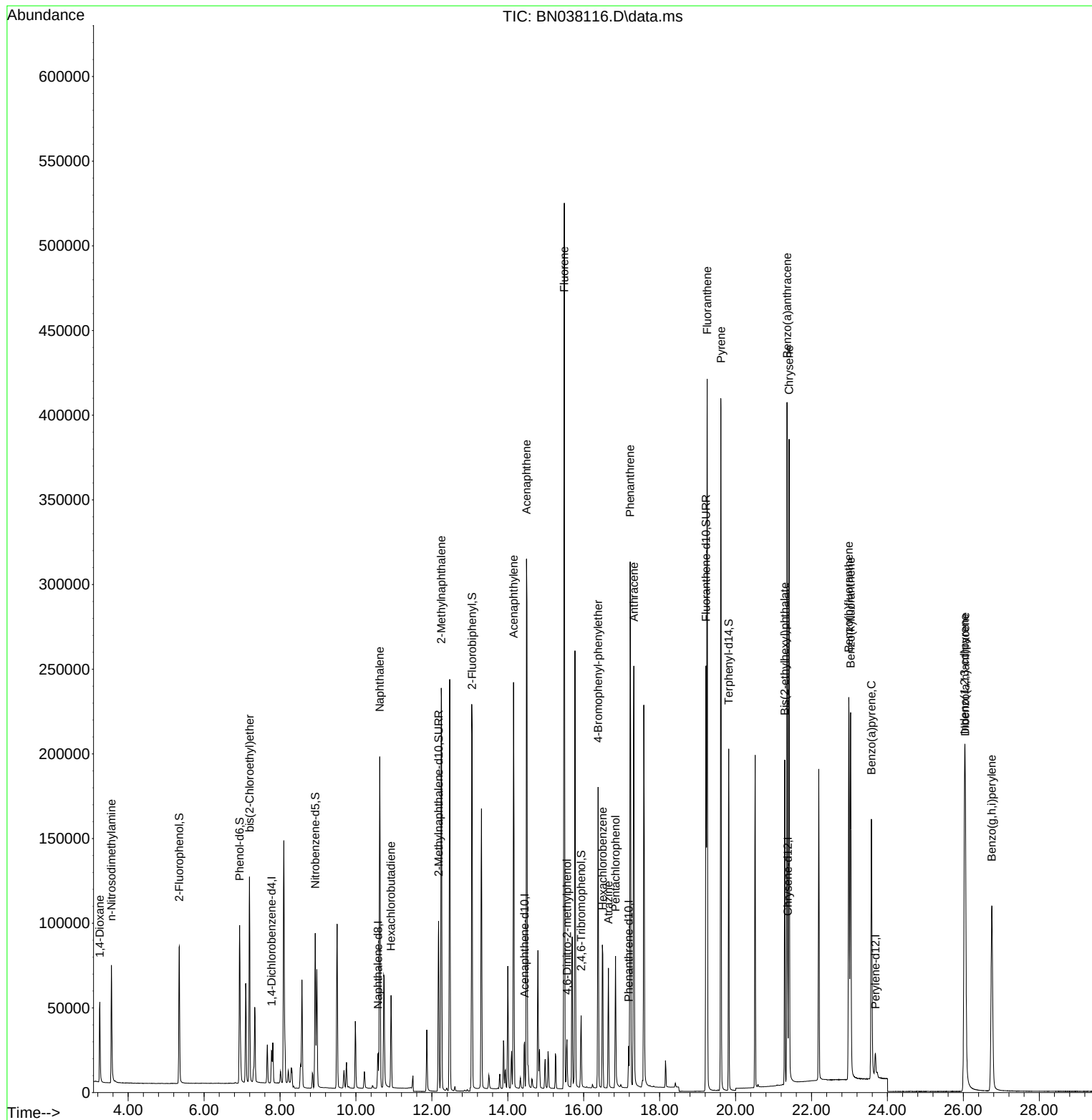
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.775	152	9743	0.400	ng	0.00
7) Naphthalene-d8	10.584	136	28864	0.400	ng	0.01
13) Acenaphthene-d10	14.441	164	16547	0.400	ng	0.01
19) Phenanthrene-d10	17.186	188	31206	0.400	ng	0.00
29) Chrysene-d12	21.375	240	26115	0.400	ng	0.00
35) Perylene-d12	23.683	264	19904	0.400	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.348	112	69778	3.040	ng	0.00
5) Phenol-d6	6.937	99	88646	3.171	ng	0.00
8) Nitrobenzene-d5	8.929	82	70830	3.041	ng	0.00
11) 2-Methylnaphthalene-d10	12.177	152	134773	3.270	ng	0.00
14) 2,4,6-Tribromophenol	15.932	330	24045	3.527	ng	0.00
15) 2-Fluorobiphenyl	13.062	172	200437	3.024	ng	0.01
27) Fluoranthene-d10	19.220	212	263418	3.348	ng	0.00
31) Terphenyl-d14	19.819	244	180175	3.176	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.254	88	31207	3.100	ng	99
3) n-Nitrosodimethylamine	3.557	42	41593	3.211	ng	96
6) bis(2-Chloroethyl)ether	7.197	93	86904	3.164	ng	99
9) Naphthalene	10.626	128	255606	3.215	ng	99
10) Hexachlorobutadiene	10.925	225	42325	3.155	ng	# 99
12) 2-Methylnaphthalene	12.248	142	172992	3.263	ng	98
16) Acenaphthylene	14.152	152	253121	3.378	ng	99
17) Acenaphthene	14.495	154	173433	3.308	ng	97
18) Fluorene	15.489	166	230067	3.348	ng	100
20) 4,6-Dinitro-2-methylph...	15.560	198	18221	3.363	ng	# 47
21) 4-Bromophenyl-phenylether	16.379	248	67616	3.305	ng	99
22) Hexachlorobenzene	16.503	284	74101	3.185	ng	99
23) Atrazine	16.652	200	52181	3.482	ng	97
24) Pentachlorophenol	16.838	266	36424	3.634	ng	99
25) Phenanthrene	17.223	178	322719	3.257	ng	100
26) Anthracene	17.322	178	295333	3.408	ng	99
28) Fluoranthene	19.253	202	372238	3.363	ng	99
30) Pyrene	19.615	202	368946	3.130	ng	100
32) Benzo(a)anthracene	21.358	228	308037	3.306	ng	99
33) Chrysene	21.411	228	317065	3.136	ng	99
34) Bis(2-ethylhexyl)phtha...	21.295	149	157480	3.209	ng	99
36) Indeno(1,2,3-cd)pyrene	26.031	276	276870	3.386	ng	98
37) Benzo(b)fluoranthene	22.984	252	292856	3.441	ng	# 90
38) Benzo(k)fluoranthene	23.031	252	292143	3.411	ng	# 89
39) Benzo(a)pyrene	23.578	252	231067	3.392	ng	# 84
40) Dibenzo(a,h)anthracene	26.051	278	217022	3.449	ng	92
41) Benzo(g,h,i)perylene	26.750	276	235264	3.274	ng	98

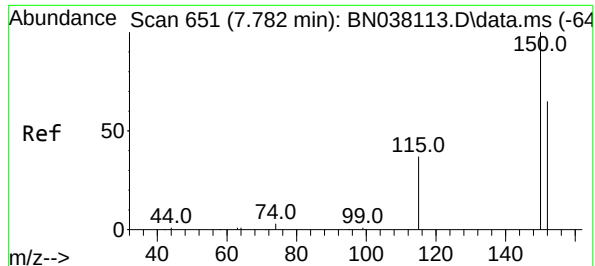
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN102825\
Data File : BN038116.D
Acq On : 28 Oct 2025 16:02
Operator : RC/JU
Sample : SSTDICC3.2
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
SSTDICC3.2

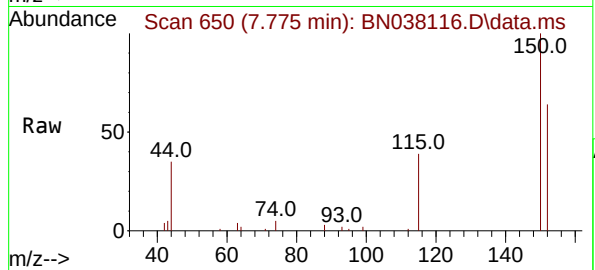
Quant Time: Oct 28 17:31:55 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN102825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Oct 28 17:15:13 2025
Response via : Initial Calibration



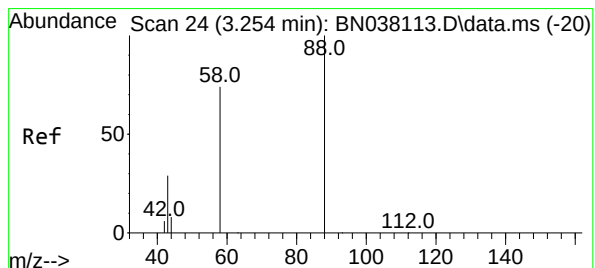
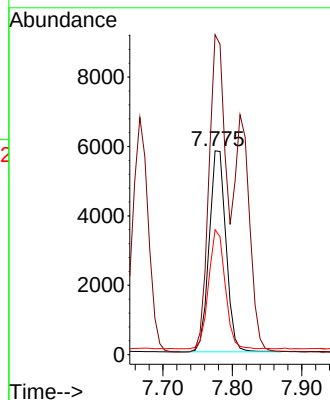
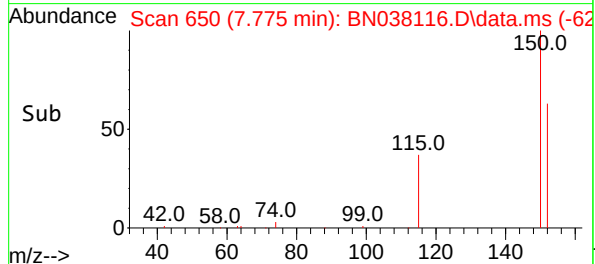


#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.775 min Scan# 61
Delta R.T. -0.000 min
Lab File: BN038116.D
Acq: 28 Oct 2025 16:02

Instrument :
BNA_N
ClientSampleId :
SSTDICC3.2

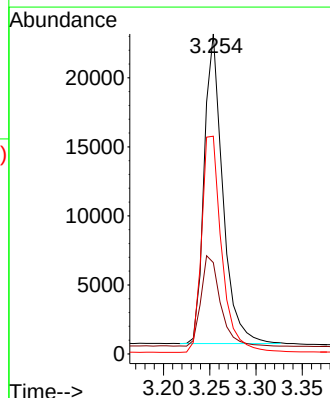
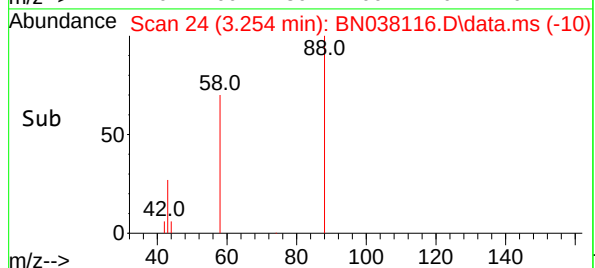
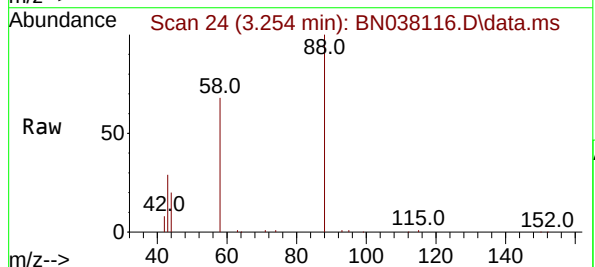


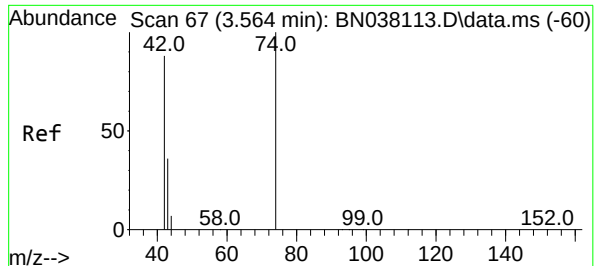
Tgt Ion:152 Resp: 9743
Ion Ratio Lower Upper
152 100
150 157.0 122.3 183.5
115 61.3 47.4 71.0



#2
1,4-Dioxane
Concen: 3.100 ng
RT: 3.254 min Scan# 24
Delta R.T. 0.000 min
Lab File: BN038116.D
Acq: 28 Oct 2025 16:02

Tgt Ion: 88 Resp: 31207
Ion Ratio Lower Upper
88 100
43 30.6 24.3 36.5
58 76.1 60.4 90.6

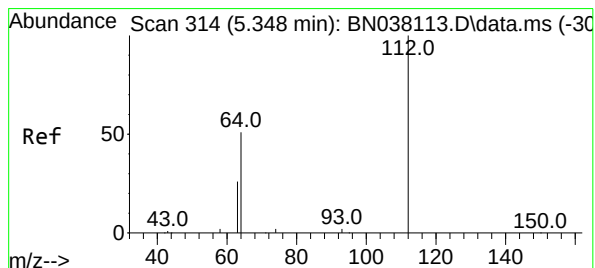
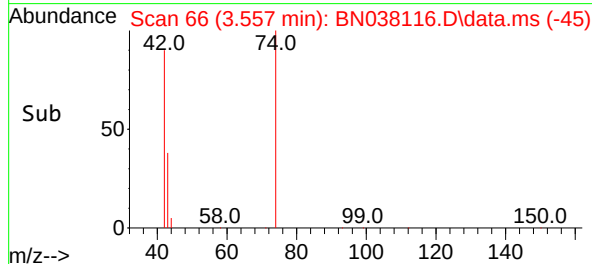
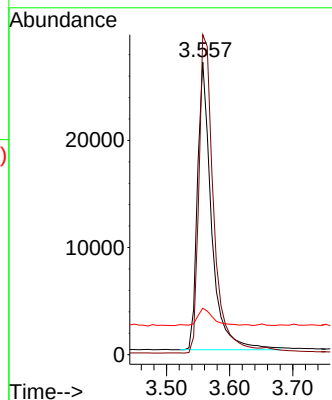
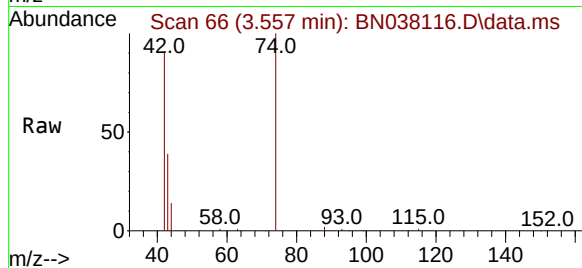




#3
n-Nitrosodimethylamine
Concen: 3.211 ng
RT: 3.557 min Scan# 60
Delta R.T. 0.000 min
Lab File: BN038116.D
Acq: 28 Oct 2025 16:02

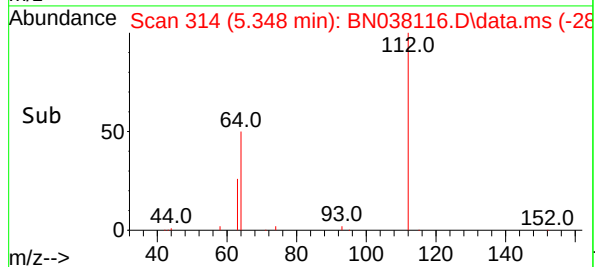
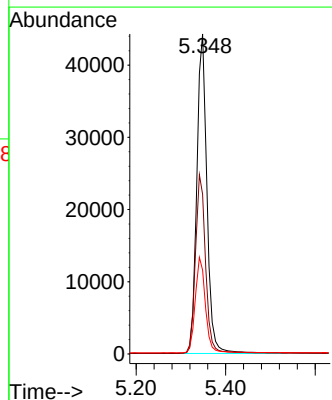
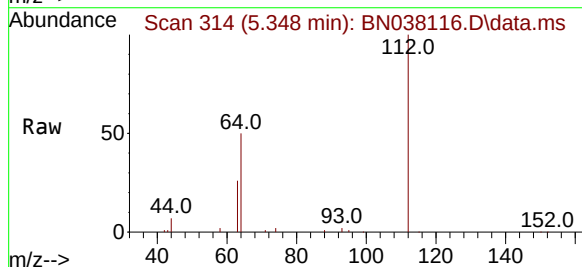
Instrument :
BNA_N
ClientSampleId :
SSTDICC3.2

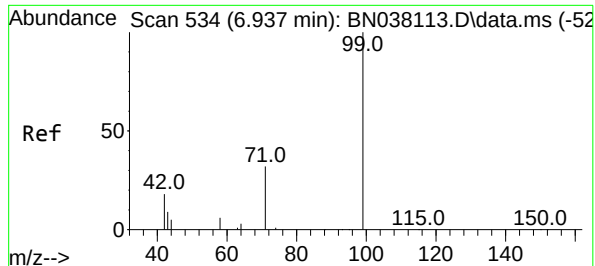
Tgt Ion: 42 Resp: 41593
Ion Ratio Lower Upper
42 100
74 116.1 96.8 145.2
44 6.8 5.3 7.9



#4
2-Fluorophenol
Concen: 3.040 ng
RT: 5.348 min Scan# 314
Delta R.T. 0.000 min
Lab File: BN038116.D
Acq: 28 Oct 2025 16:02

Tgt Ion: 112 Resp: 69778
Ion Ratio Lower Upper
112 100
64 56.1 45.4 68.0
63 30.0 23.2 34.8

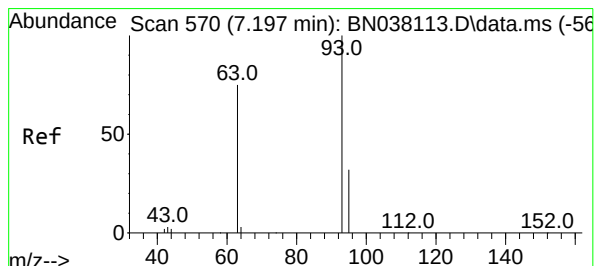
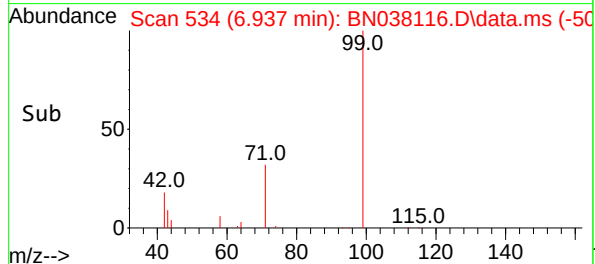
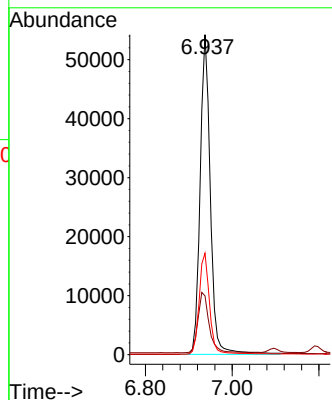
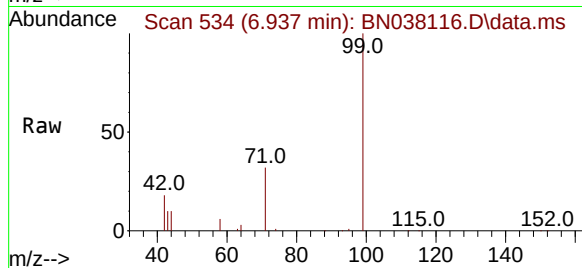




#5
Phenol-d6
Concen: 3.171 ng
RT: 6.937 min Scan# 51
Delta R.T. 0.000 min
Lab File: BN038116.D
Acq: 28 Oct 2025 16:02

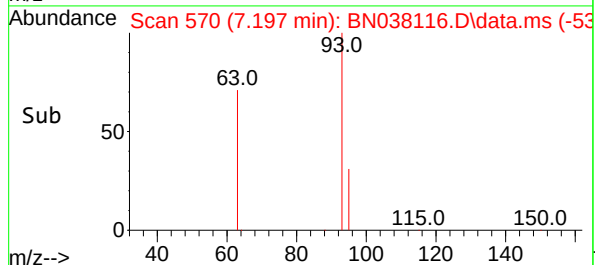
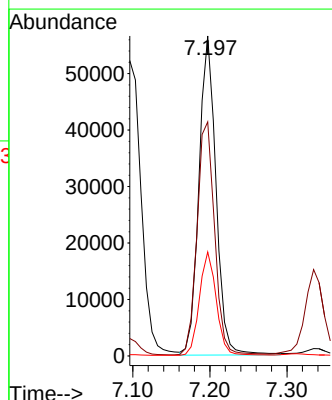
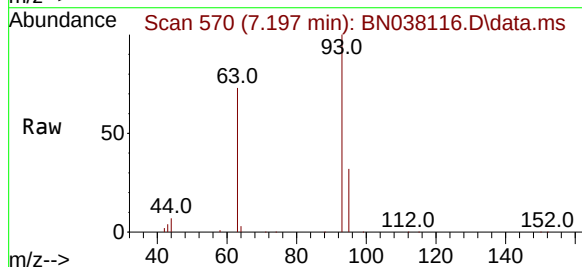
Instrument :
BNA_N
ClientSampleId :
SSTDICC3.2

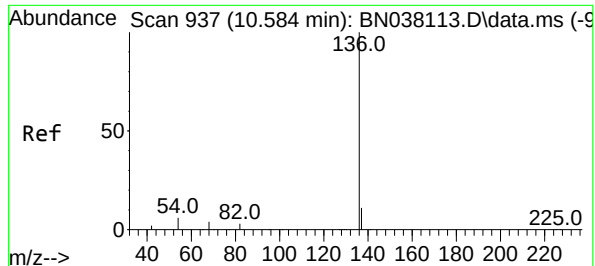
Tgt Ion: 99 Resp: 88646
Ion Ratio Lower Upper
99 100
42 20.7 16.6 24.8
71 32.4 25.4 38.2



#6
bis(2-Chloroethyl)ether
Concen: 3.164 ng
RT: 7.197 min Scan# 570
Delta R.T. 0.000 min
Lab File: BN038116.D
Acq: 28 Oct 2025 16:02

Tgt Ion: 93 Resp: 86904
Ion Ratio Lower Upper
93 100
63 75.1 59.3 88.9
95 32.0 25.2 37.8

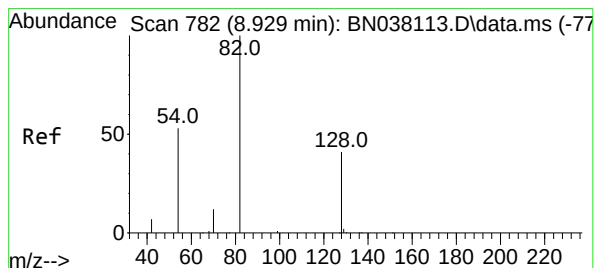
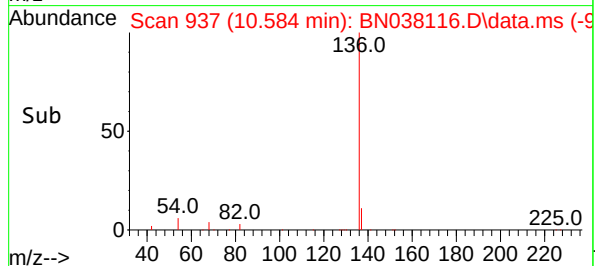
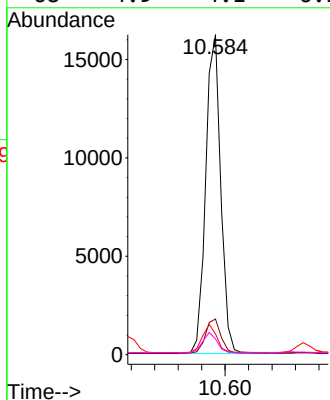
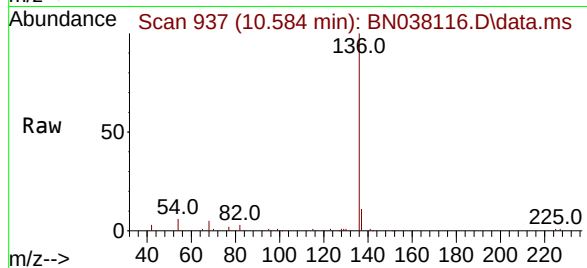




#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.584 min Scan# 91
Delta R.T. 0.011 min
Lab File: BN038116.D
Acq: 28 Oct 2025 16:02

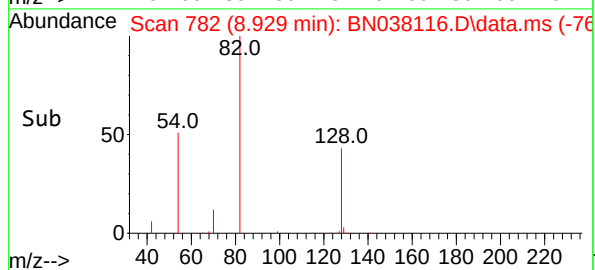
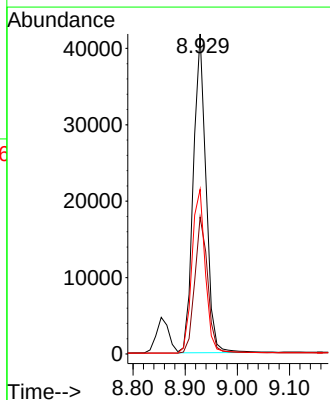
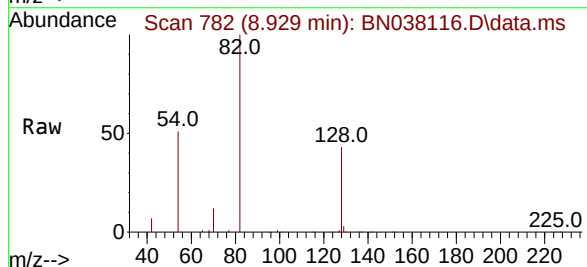
Instrument :
BNA_N
ClientSampleId :
SSTDICC3.2

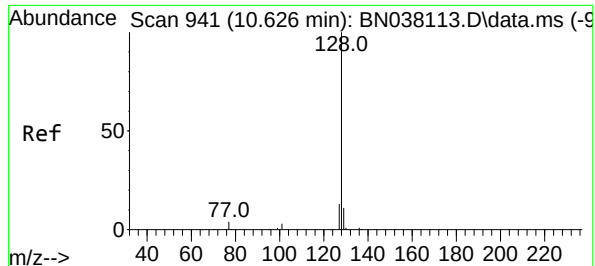
Tgt Ion:	136	Resp:	28864
Ion	Ratio	Lower	Upper
136	100		
137	11.2	9.0	13.4
54	6.5	5.2	7.8
68	4.9	4.1	6.1



#8
Nitrobenzene-d5
Concen: 3.041 ng
RT: 8.929 min Scan# 782
Delta R.T. 0.000 min
Lab File: BN038116.D
Acq: 28 Oct 2025 16:02

Tgt Ion:	82	Resp:	70830
Ion	Ratio	Lower	Upper
82	100		
128	42.8	34.1	51.1
54	51.5	43.5	65.3





#9
Naphthalene

Concen: 3.215 ng

RT: 10.626 min Scan# 941

Delta R.T. 0.000 min

Lab File: BN038116.D

Acq: 28 Oct 2025 16:02

Instrument :

BNA_N

ClientSampleId :

SSTDICC3.2

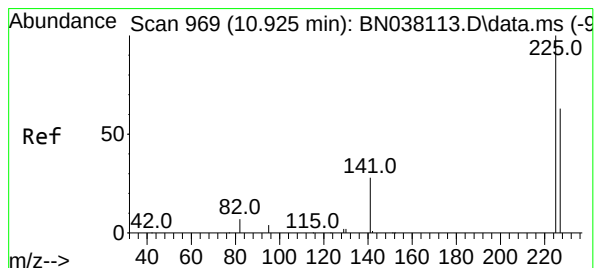
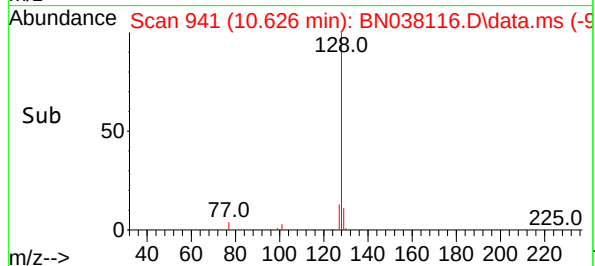
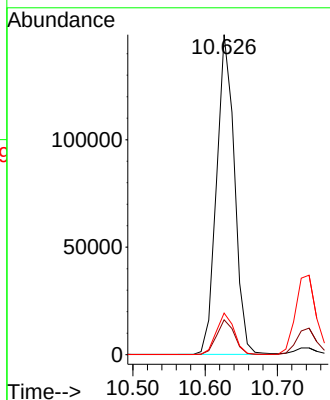
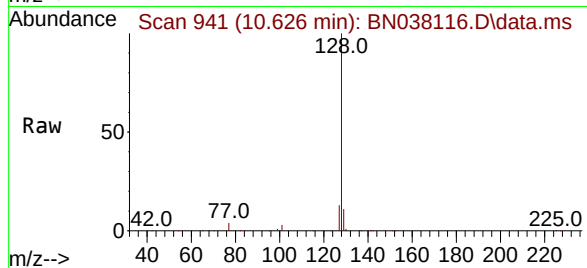
Tgt Ion:128 Resp: 255606

Ion Ratio Lower Upper

128 100

129 10.9 9.1 13.7

127 13.0 10.5 15.7



#10

Hexachlorobutadiene

Concen: 3.155 ng

RT: 10.925 min Scan# 969

Delta R.T. 0.000 min

Lab File: BN038116.D

Acq: 28 Oct 2025 16:02

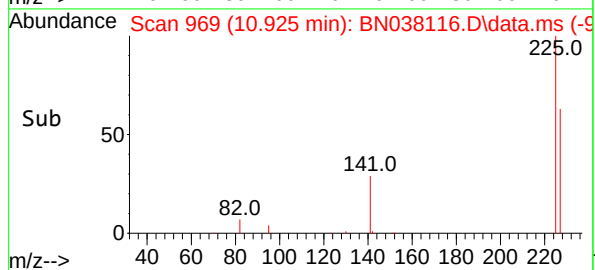
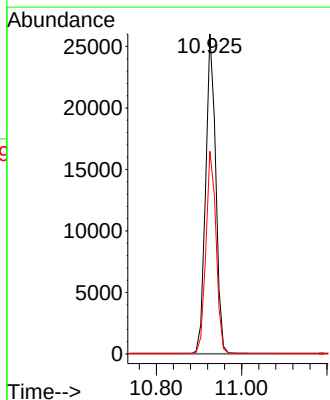
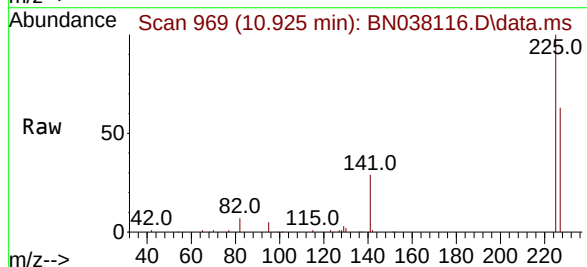
Tgt Ion:225 Resp: 42325

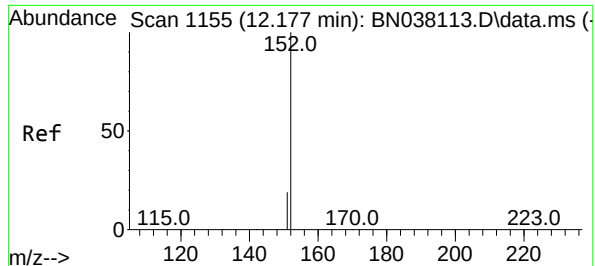
Ion Ratio Lower Upper

225 100

223 0.0 0.0 0.0

227 64.0 50.3 75.5

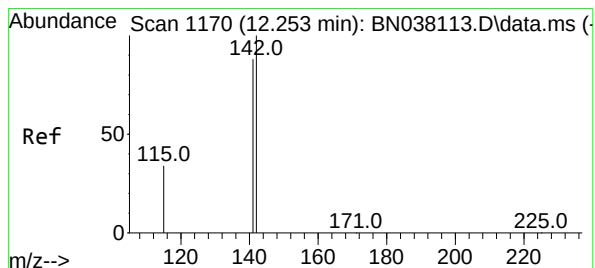
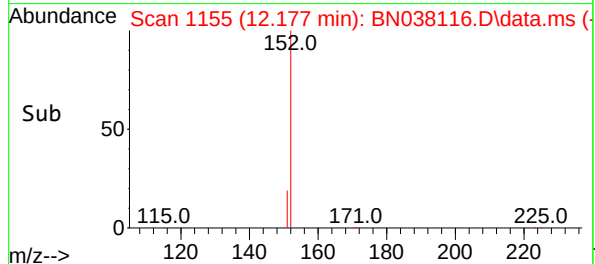
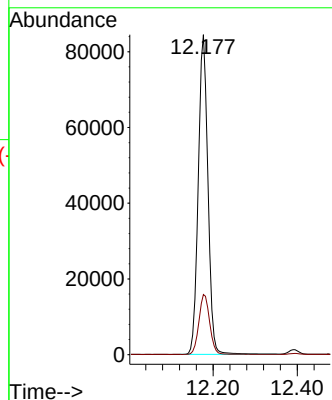
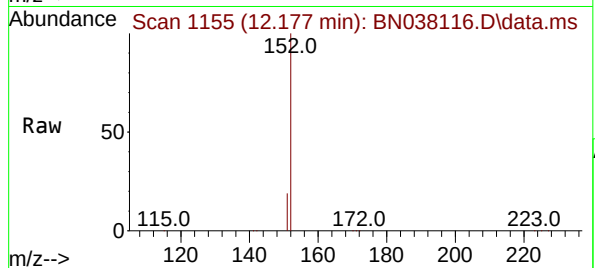




#11
2-Methylnaphthalene-d10
Concen: 3.270 ng
RT: 12.177 min Scan# 1155
Delta R.T. 0.000 min
Lab File: BN038116.D
Acq: 28 Oct 2025 16:02

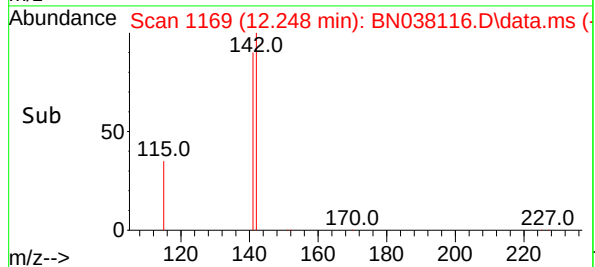
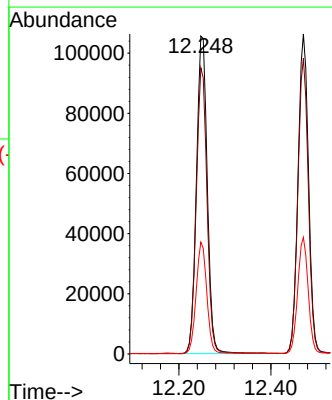
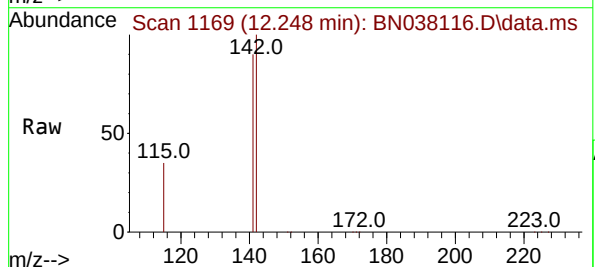
Instrument :
BNA_N
ClientSampleId :
SSTDICC3.2

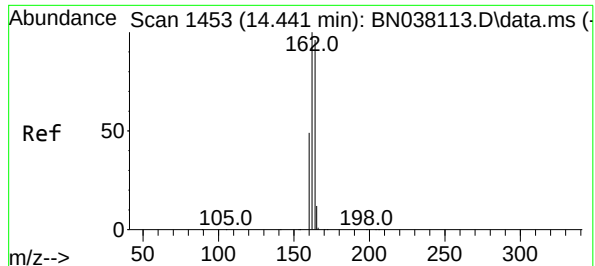
Tgt Ion:152 Resp: 134773
Ion Ratio Lower Upper
152 100
151 20.9 16.8 25.2



#12
2-Methylnaphthalene
Concen: 3.263 ng
RT: 12.248 min Scan# 1169
Delta R.T. 0.000 min
Lab File: BN038116.D
Acq: 28 Oct 2025 16:02

Tgt Ion:142 Resp: 172992
Ion Ratio Lower Upper
142 100
141 90.0 70.3 105.5
115 35.2 27.8 41.6

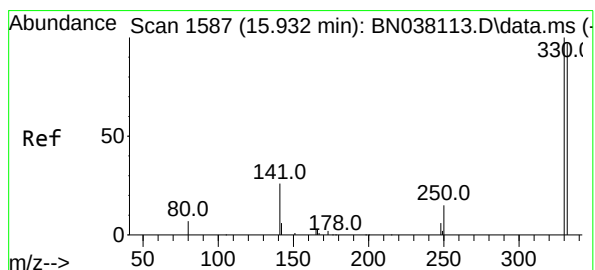
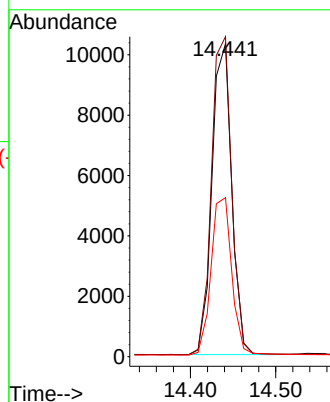
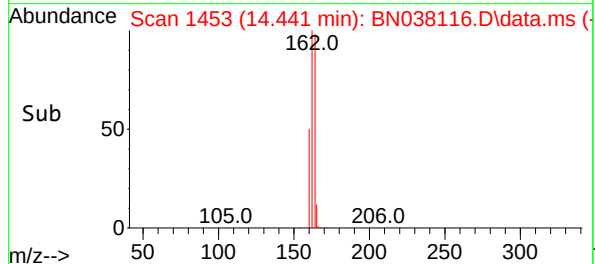
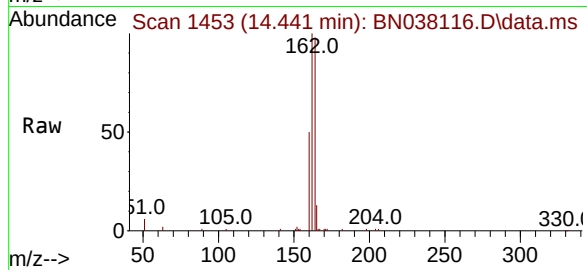




#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.441 min Scan# 1453
Delta R.T. 0.011 min
Lab File: BN038116.D
Acq: 28 Oct 2025 16:02

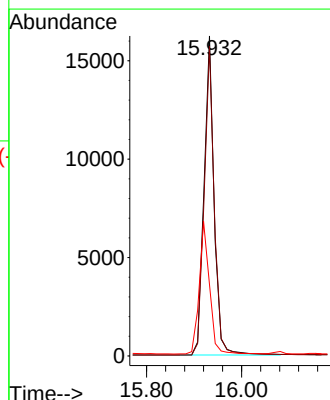
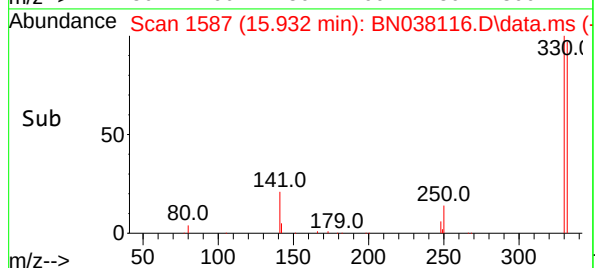
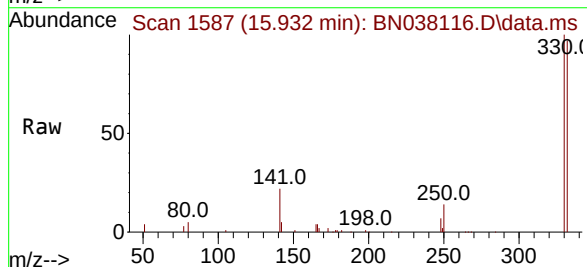
Instrument :
BNA_N
ClientSampleId :
SSTDICC3.2

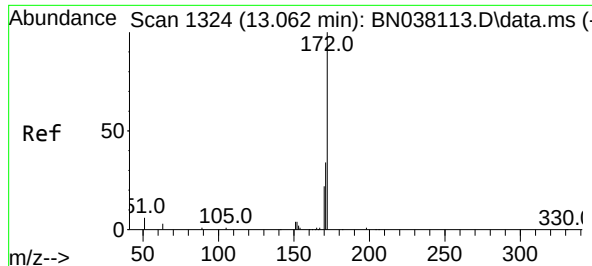
Tgt Ion:164 Resp: 16547
Ion Ratio Lower Upper
164 100
162 102.2 83.0 124.4
160 50.8 40.7 61.1



#14
2,4,6-Tribromophenol
Concen: 3.527 ng
RT: 15.932 min Scan# 1587
Delta R.T. 0.000 min
Lab File: BN038116.D
Acq: 28 Oct 2025 16:02

Tgt Ion:330 Resp: 24045
Ion Ratio Lower Upper
330 100
332 97.1 76.6 114.8
141 42.2 34.1 51.1

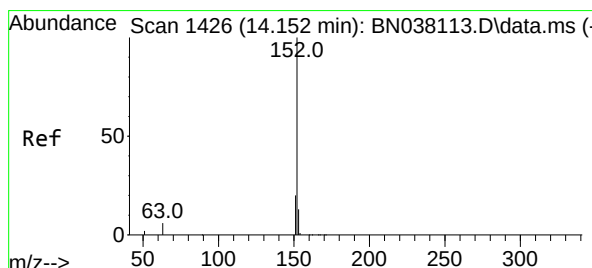
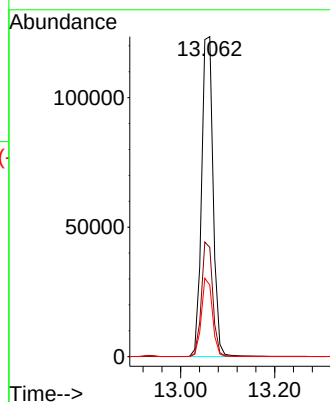
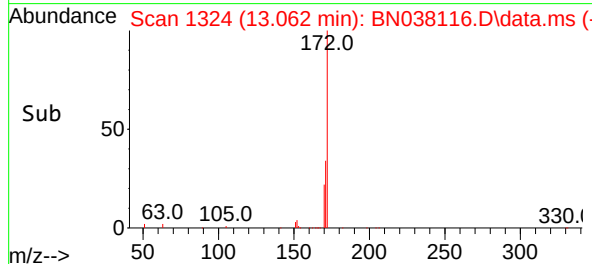
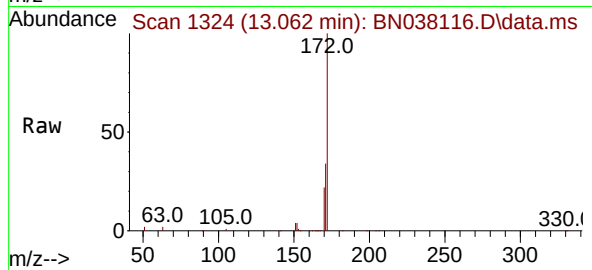




#15
2-Fluorobiphenyl
Concen: 3.024 ng
RT: 13.062 min Scan# 1324
Delta R.T. 0.011 min
Lab File: BN038116.D
Acq: 28 Oct 2025 16:02

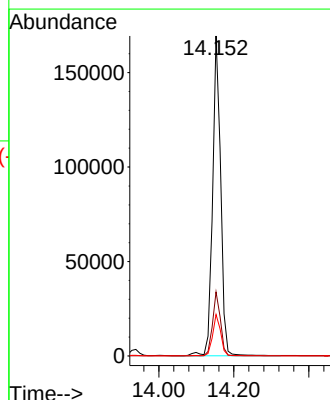
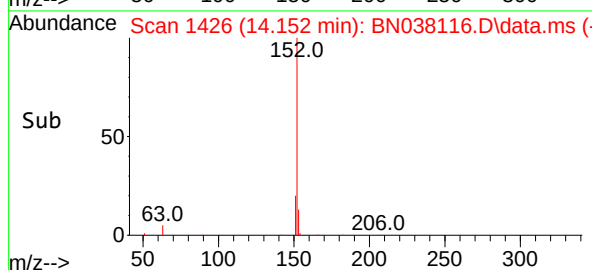
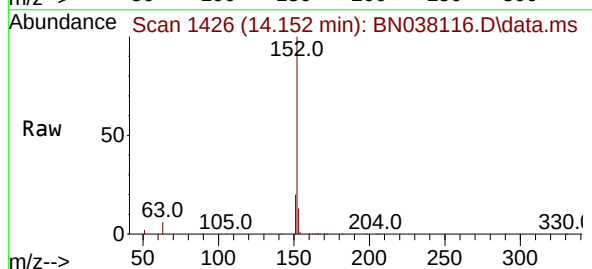
Instrument :
BNA_N
ClientSampleId :
SSTDICC3.2

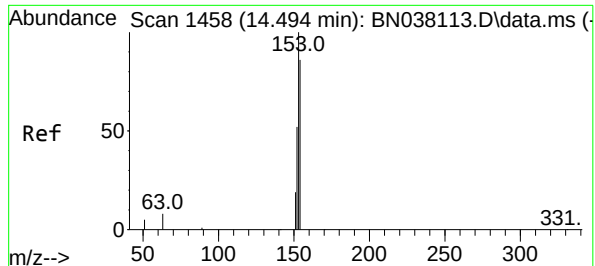
Tgt Ion:172 Resp: 200437
Ion Ratio Lower Upper
172 100
171 34.2 27.8 41.6
170 22.3 18.1 27.1



#16
Acenaphthylene
Concen: 3.378 ng
RT: 14.152 min Scan# 1426
Delta R.T. 0.000 min
Lab File: BN038116.D
Acq: 28 Oct 2025 16:02

Tgt Ion:152 Resp: 253121
Ion Ratio Lower Upper
152 100
151 19.5 15.8 23.8
153 12.9 10.2 15.2

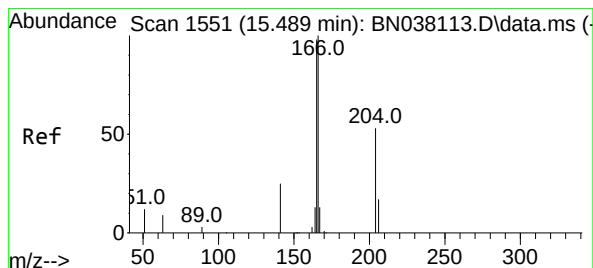
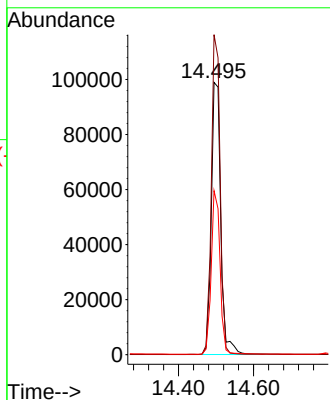
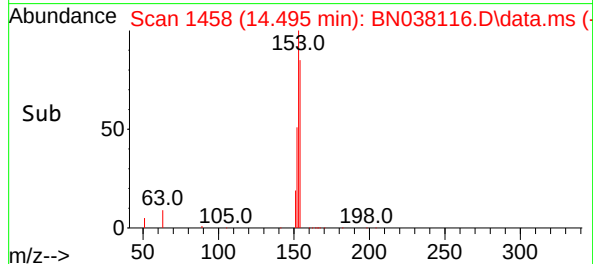
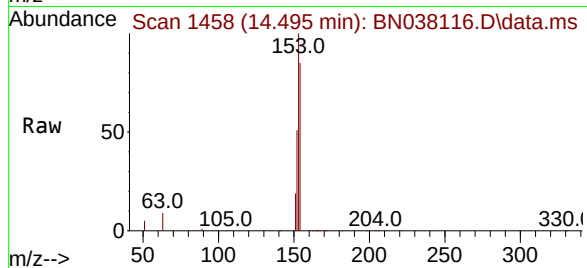




#17
Acenaphthene
Concen: 3.308 ng
RT: 14.495 min Scan# 1458
Delta R.T. 0.000 min
Lab File: BN038116.D
Acq: 28 Oct 2025 16:02

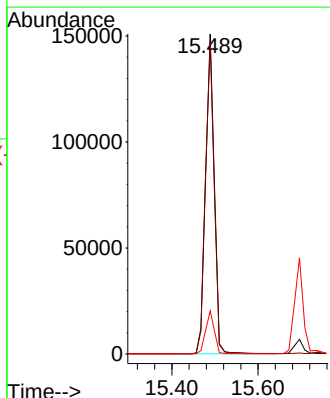
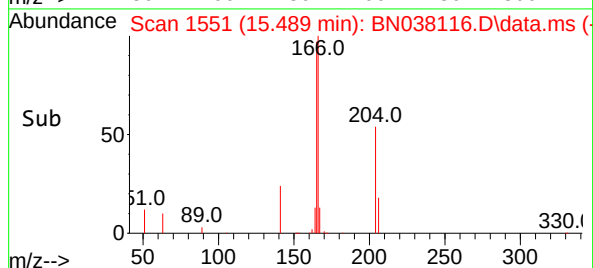
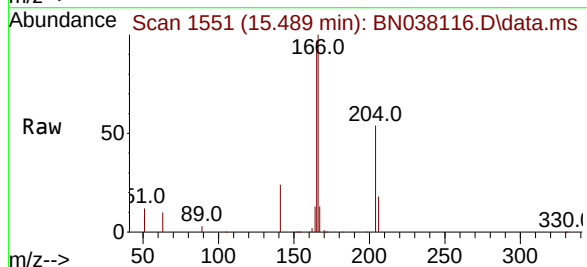
Instrument :
BNA_N
ClientSampleId :
SSTDICC3.2

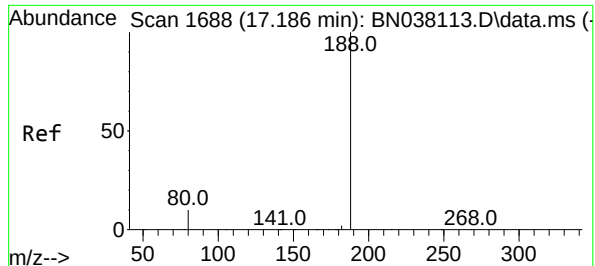
Tgt Ion:154 Resp: 173433
Ion Ratio Lower Upper
154 100
153 109.4 90.0 135.0
152 56.0 47.3 70.9



#18
Fluorene
Concen: 3.348 ng
RT: 15.489 min Scan# 1551
Delta R.T. -0.000 min
Lab File: BN038116.D
Acq: 28 Oct 2025 16:02

Tgt Ion:166 Resp: 230067
Ion Ratio Lower Upper
166 100
165 99.1 79.0 118.4
167 13.4 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: BN038116.D

Acq: 28 Oct 2025 16:02

Instrument :

BNA_N

ClientSampleId :

SSTDICC3.2

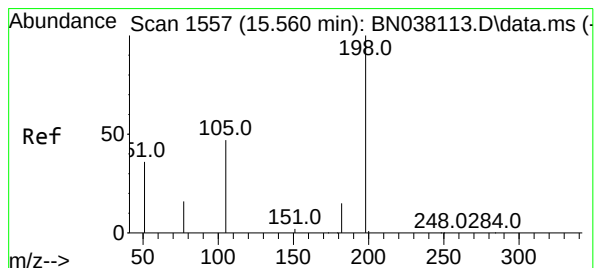
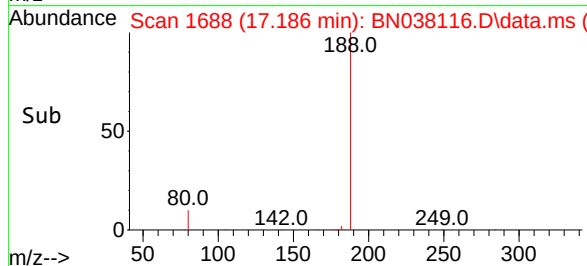
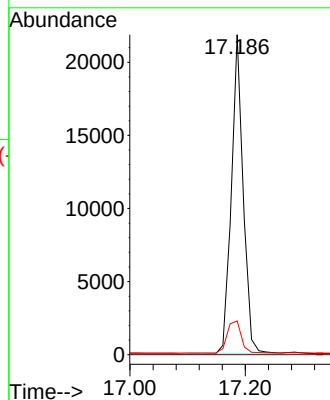
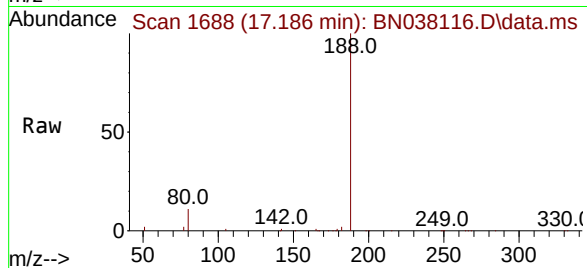
Tgt Ion:188 Resp: 31206

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

80 10.6 8.6 13.0



#20

4,6-Dinitro-2-methylphenol

Concen: 3.363 ng

RT: 15.560 min Scan# 1557

Delta R.T. -0.000 min

Lab File: BN038116.D

Acq: 28 Oct 2025 16:02

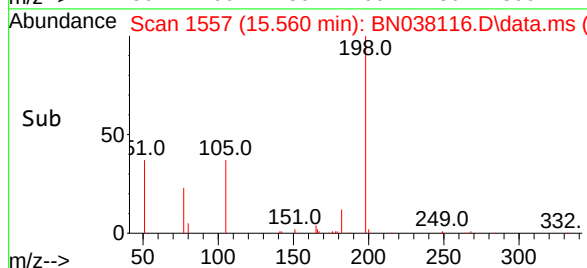
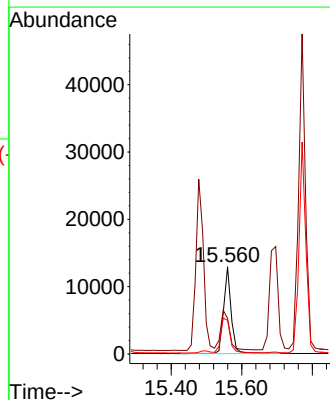
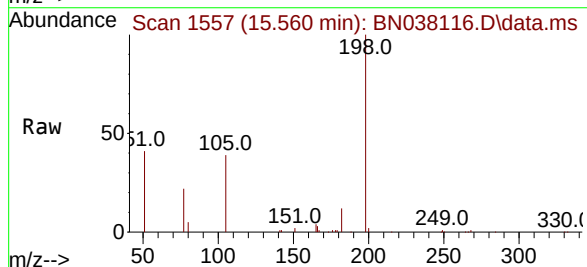
Tgt Ion:198 Resp: 18221

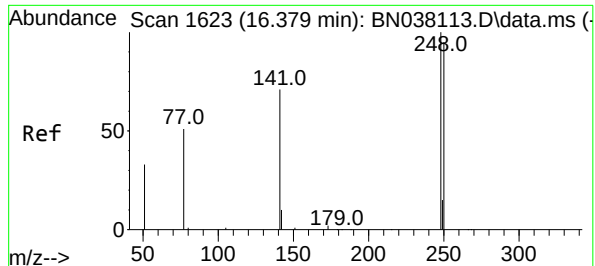
Ion Ratio Lower Upper

198 100

51 40.8 88.9 133.3#

105 38.5 49.2 73.8#

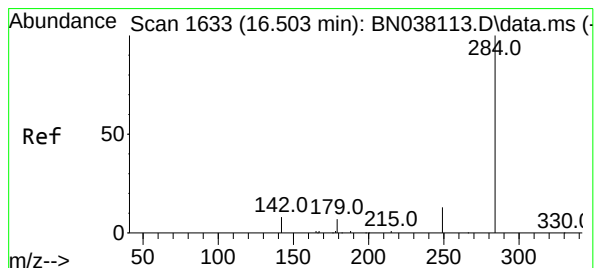
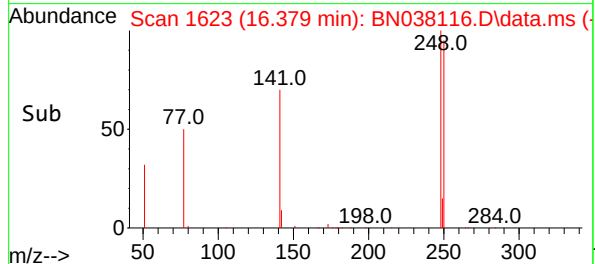
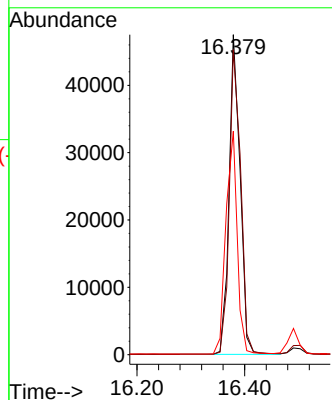
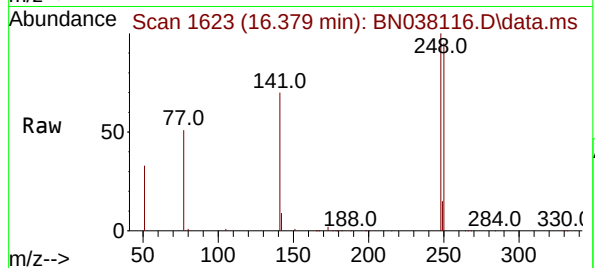




#21
4-Bromophenyl-phenylether
Concen: 3.305 ng
RT: 16.379 min Scan# 1623
Delta R.T. 0.000 min
Lab File: BN038116.D
Acq: 28 Oct 2025 16:02

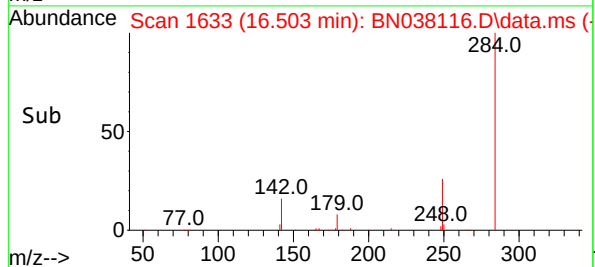
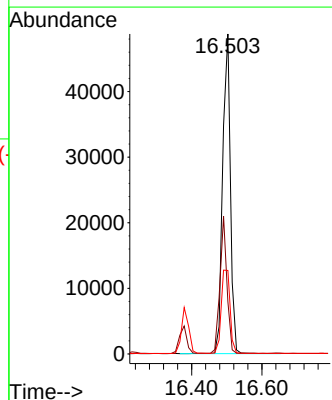
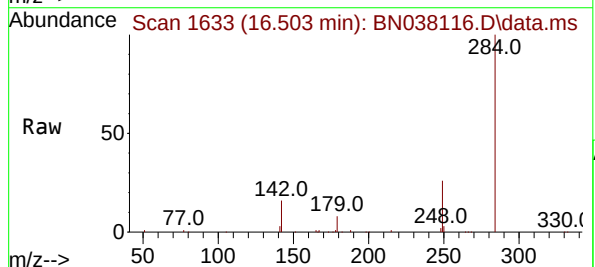
Instrument :
BNA_N
ClientSampleId :
SSTDICC3.2

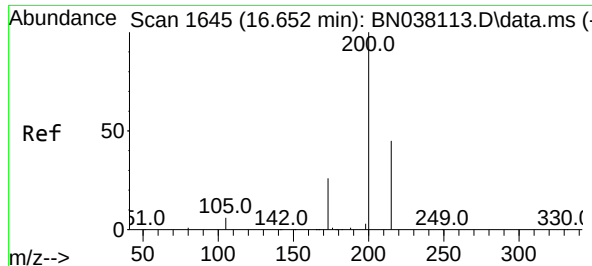
Tgt Ion:248 Resp: 67616
Ion Ratio Lower Upper
248 100
250 95.3 76.2 114.2
141 69.9 57.6 86.4



#22
Hexachlorobenzene
Concen: 3.185 ng
RT: 16.503 min Scan# 1633
Delta R.T. 0.000 min
Lab File: BN038116.D
Acq: 28 Oct 2025 16:02

Tgt Ion:284 Resp: 74101
Ion Ratio Lower Upper
284 100
142 38.7 30.5 45.7
249 29.9 23.5 35.3

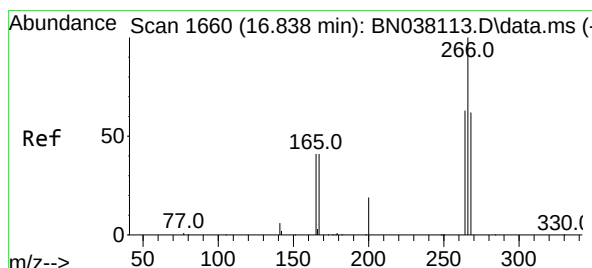
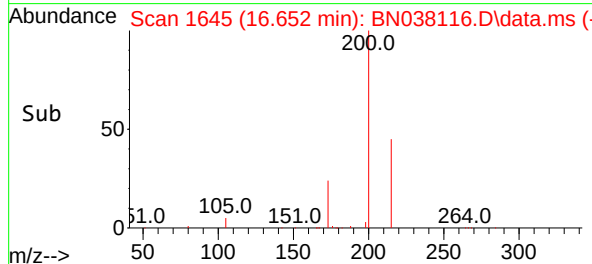
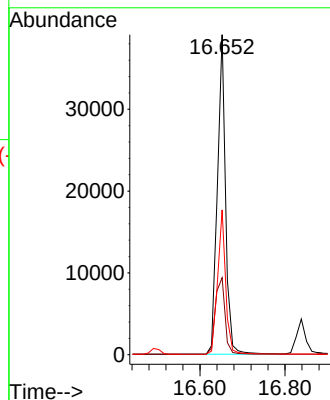
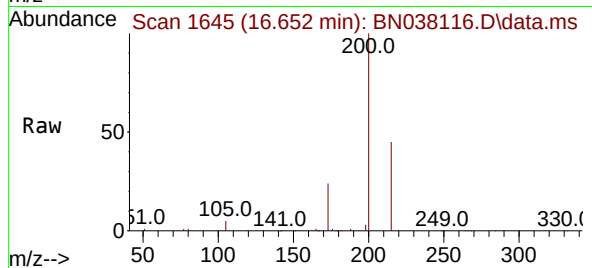




#23
Atrazine
Concen: 3.482 ng
RT: 16.652 min Scan# 1645
Delta R.T. 0.000 min
Lab File: BN038116.D
Acq: 28 Oct 2025 16:02

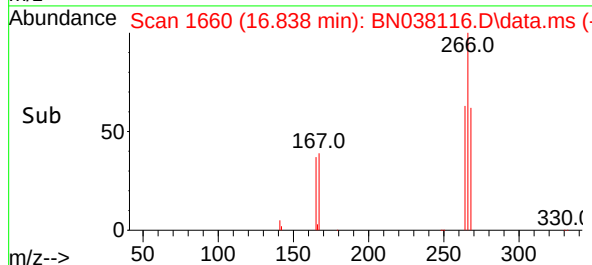
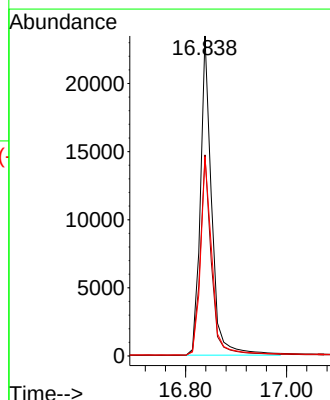
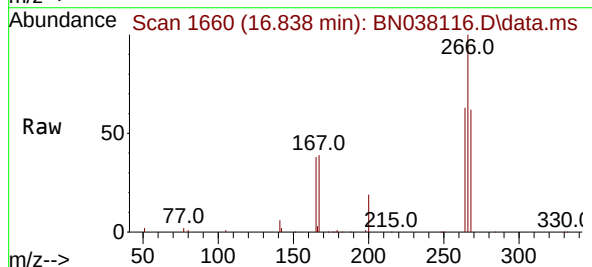
Instrument :
BNA_N
ClientSampleId :
SSTDICC3.2

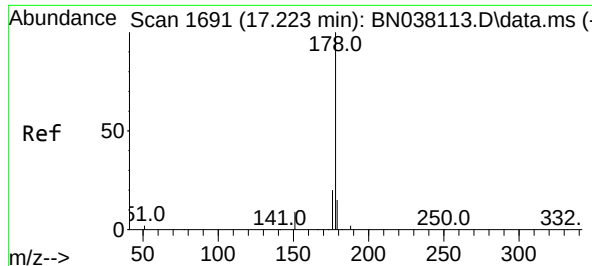
Tgt Ion:200 Resp: 52181
Ion Ratio Lower Upper
200 100
173 24.0 21.4 32.2
215 45.3 36.7 55.1



#24
Pentachlorophenol
Concen: 3.634 ng
RT: 16.838 min Scan# 1660
Delta R.T. 0.000 min
Lab File: BN038116.D
Acq: 28 Oct 2025 16:02

Tgt Ion:266 Resp: 36424
Ion Ratio Lower Upper
266 100
264 62.5 49.3 73.9
268 63.4 50.6 75.8

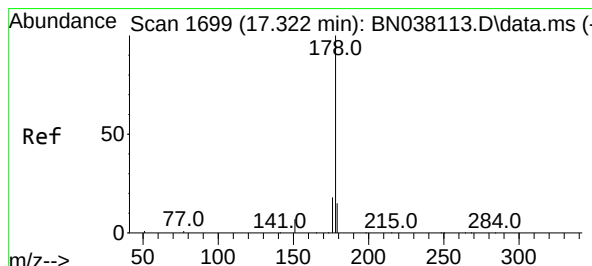
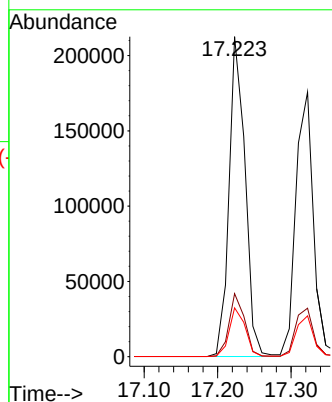
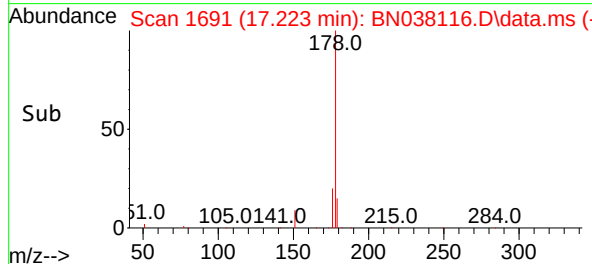
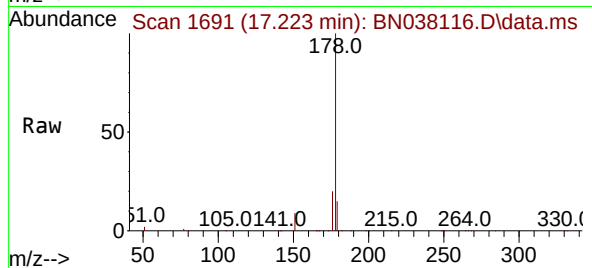




#25
Phenanthrene
Concen: 3.257 ng
RT: 17.223 min Scan# 1691
Delta R.T. 0.000 min
Lab File: BN038116.D
Acq: 28 Oct 2025 16:02

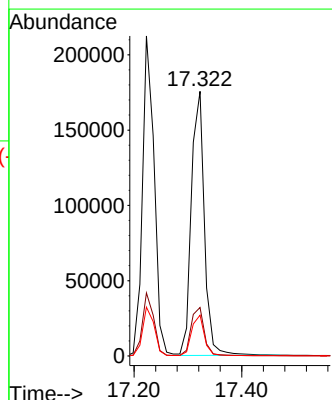
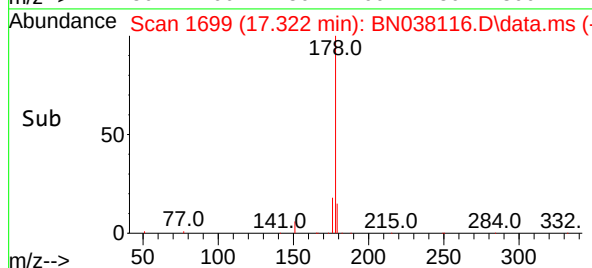
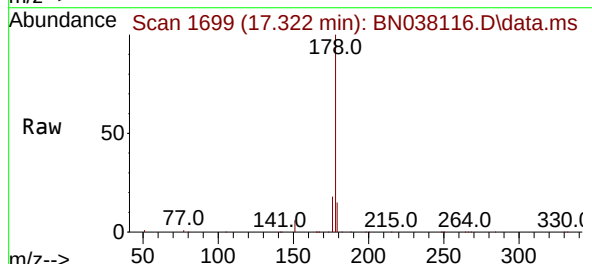
Instrument :
BNA_N
ClientSampleId :
SSTDICC3.2

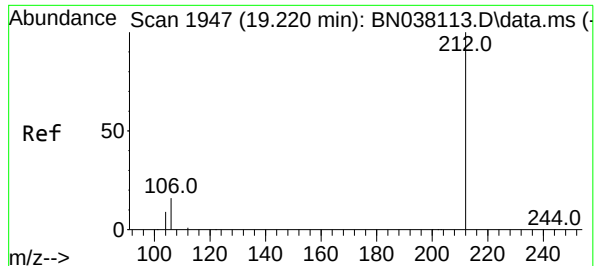
Tgt Ion:178 Resp: 322719
Ion Ratio Lower Upper
178 100
176 19.2 15.5 23.3
179 15.3 12.2 18.4



#26
Anthracene
Concen: 3.408 ng
RT: 17.322 min Scan# 1699
Delta R.T. 0.000 min
Lab File: BN038116.D
Acq: 28 Oct 2025 16:02

Tgt Ion:178 Resp: 295333
Ion Ratio Lower Upper
178 100
176 18.8 14.9 22.3
179 15.2 11.8 17.8





#27

Fluoranthene-d10

Concen: 3.348 ng

RT: 19.220 min Scan# 1947

Delta R.T. 0.000 min

Lab File: BN038116.D

Acq: 28 Oct 2025 16:02

Instrument :

BNA_N

ClientSampleId :

SSTDICC3.2

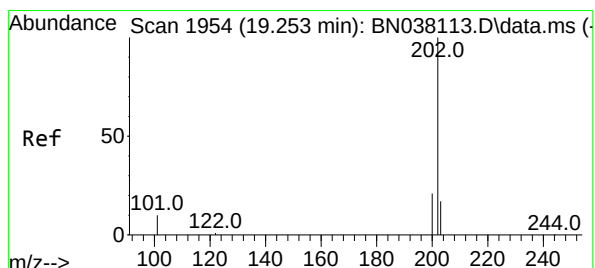
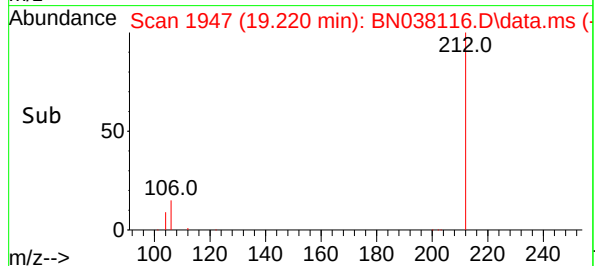
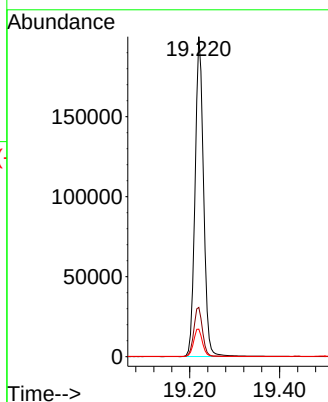
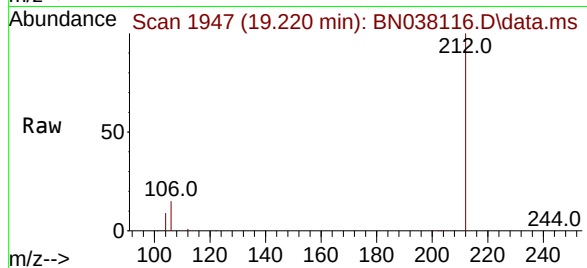
Tgt Ion:212 Resp: 263418

Ion Ratio Lower Upper

212 100

106 15.8 12.6 19.0

104 8.9 7.1 10.7



#28

Fluoranthene

Concen: 3.363 ng

RT: 19.253 min Scan# 1954

Delta R.T. 0.000 min

Lab File: BN038116.D

Acq: 28 Oct 2025 16:02

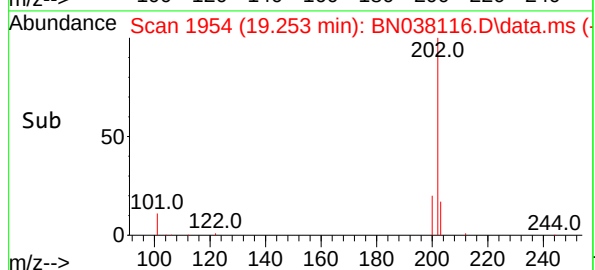
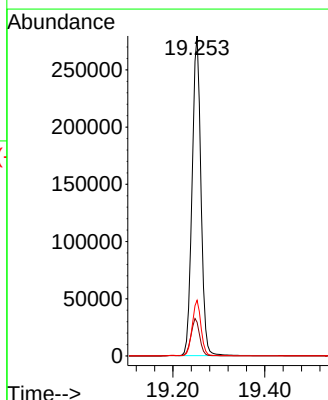
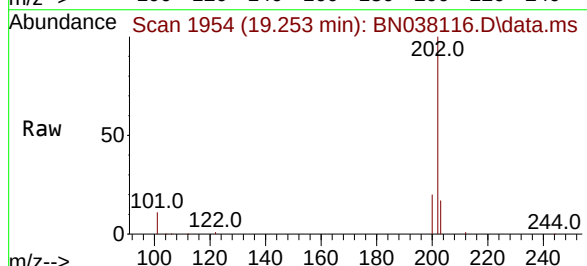
Tgt Ion:202 Resp: 372238

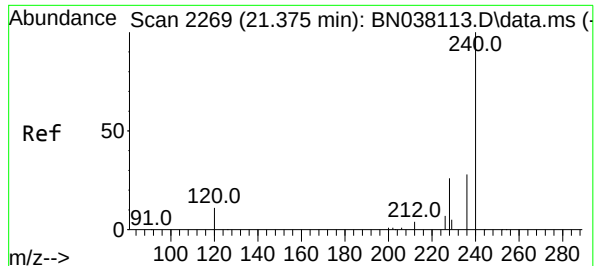
Ion Ratio Lower Upper

202 100

101 11.8 9.4 14.2

203 17.2 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: BN038116.D

Acq: 28 Oct 2025 16:02

Instrument :

BNA_N

ClientSampleId :

SSTDICC3.2

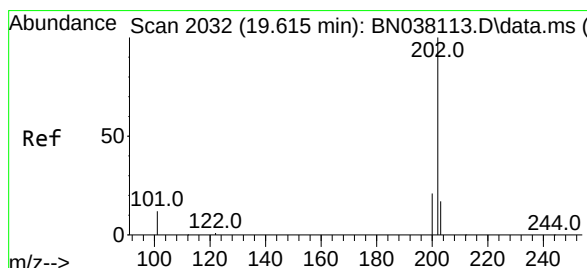
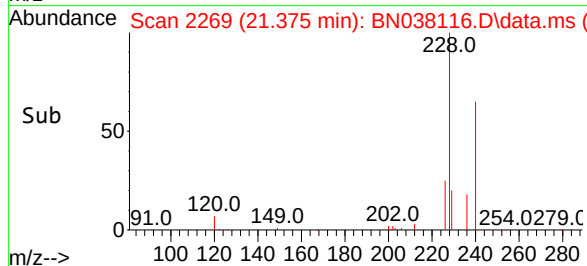
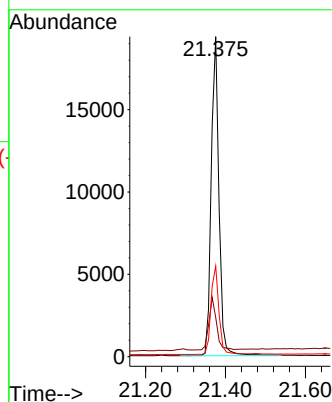
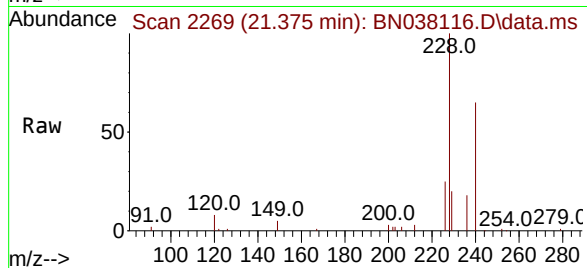
Tgt Ion:240 Resp: 26115

Ion Ratio Lower Upper

240 100

120 12.3 10.7 16.1

236 28.4 23.1 34.7



#30

Pyrene

Concen: 3.130 ng

RT: 19.615 min Scan# 2032

Delta R.T. 0.005 min

Lab File: BN038116.D

Acq: 28 Oct 2025 16:02

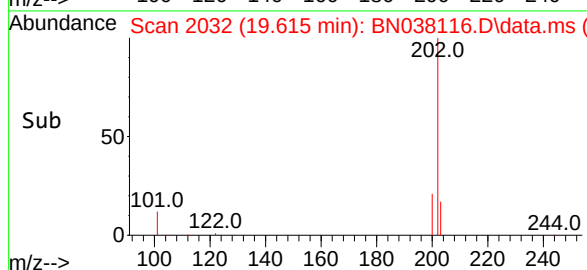
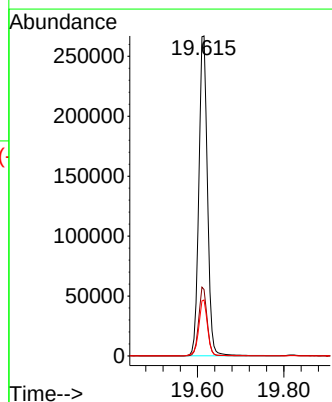
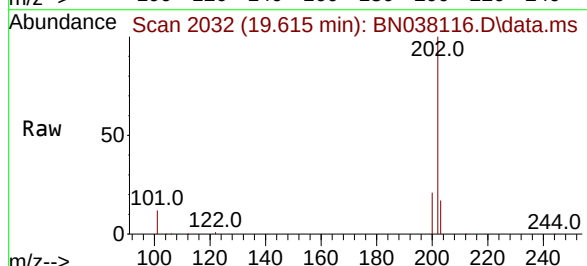
Tgt Ion:202 Resp: 368946

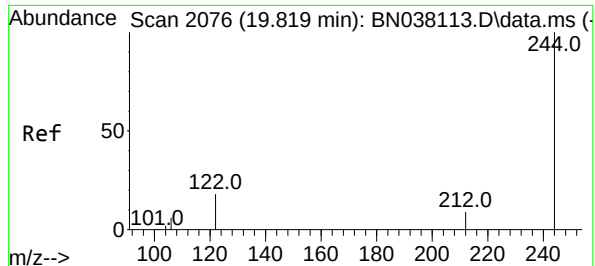
Ion Ratio Lower Upper

202 100

200 21.1 16.7 25.1

203 17.7 14.2 21.2

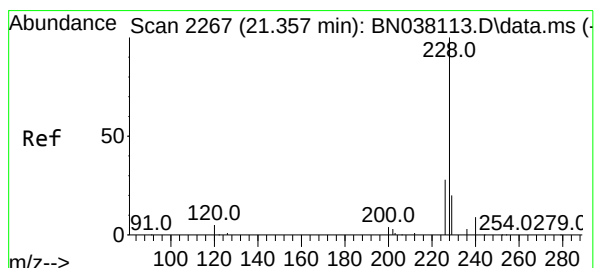
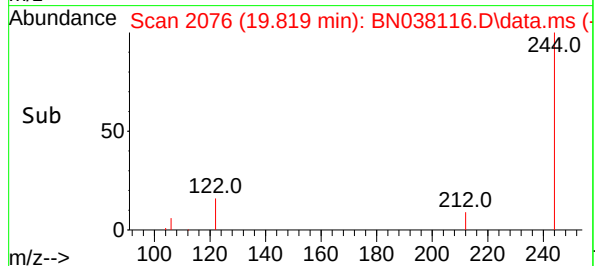
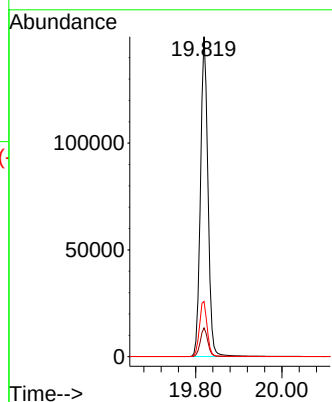
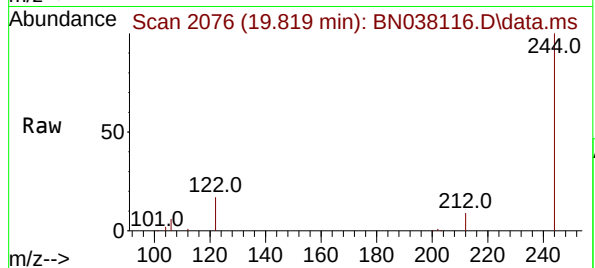




#31
Terphenyl-d14
Concen: 3.176 ng
RT: 19.819 min Scan# 2076
Delta R.T. 0.000 min
Lab File: BN038116.D
Acq: 28 Oct 2025 16:02

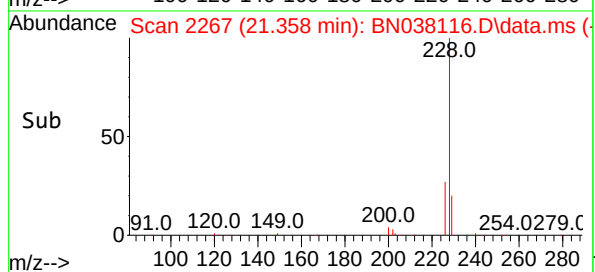
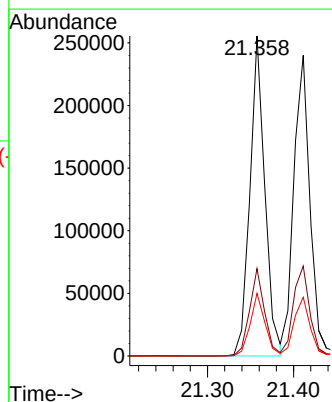
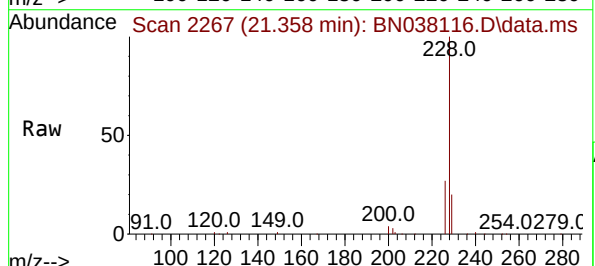
Instrument :
BNA_N
ClientSampleId :
SSTDICC3.2

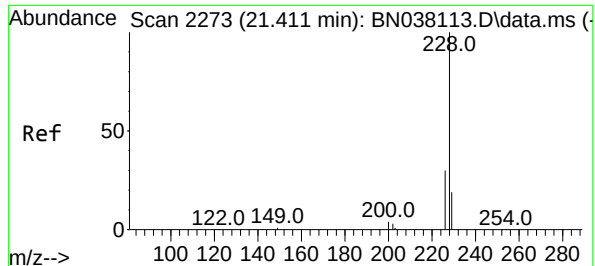
Tgt Ion:244 Resp: 180175
Ion Ratio Lower Upper
244 100
212 9.0 7.8 11.6
122 17.3 15.2 22.8



#32
Benzo(a)anthracene
Concen: 3.306 ng
RT: 21.358 min Scan# 2267
Delta R.T. 0.000 min
Lab File: BN038116.D
Acq: 28 Oct 2025 16:02

Tgt Ion:228 Resp: 308037
Ion Ratio Lower Upper
228 100
226 27.3 22.2 33.4
229 19.5 15.8 23.8





#33

Chrysene

Concen: 3.136 ng

RT: 21.411 min Scan# 21

Delta R.T. 0.000 min

Lab File: BN038116.D

Acq: 28 Oct 2025 16:02

Instrument :

BNA_N

ClientSampleId :

SSTDICC3.2

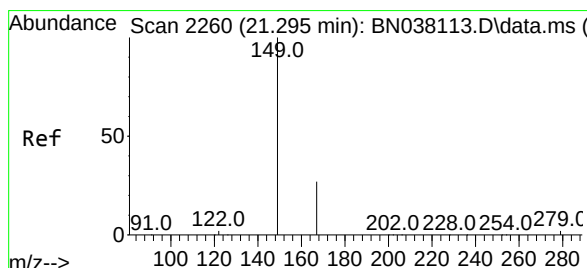
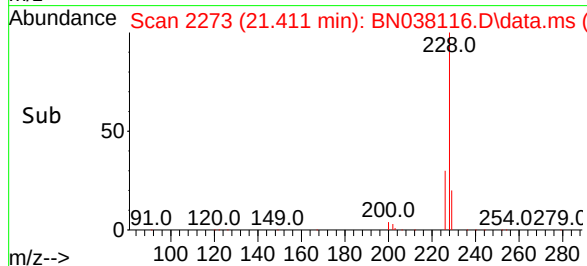
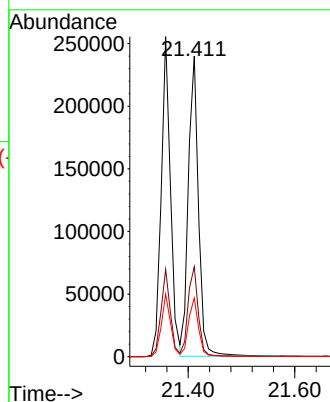
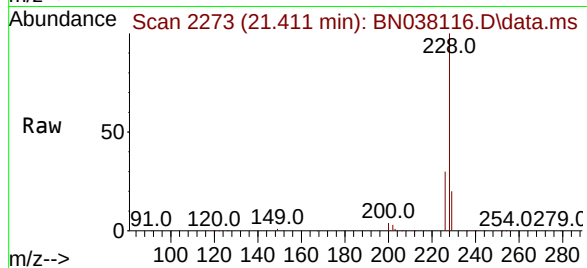
Tgt Ion:228 Resp: 317065

Ion Ratio Lower Upper

228 100

226 29.9 24.3 36.5

229 19.5 15.7 23.5



#34

Bis(2-ethylhexyl)phthalate

Concen: 3.209 ng

RT: 21.295 min Scan# 2260

Delta R.T. 0.000 min

Lab File: BN038116.D

Acq: 28 Oct 2025 16:02

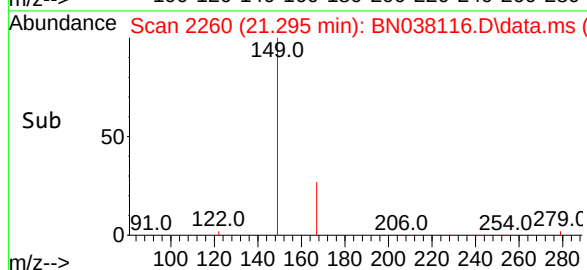
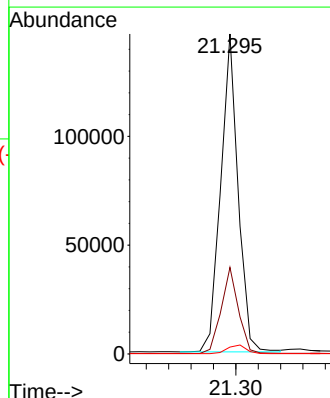
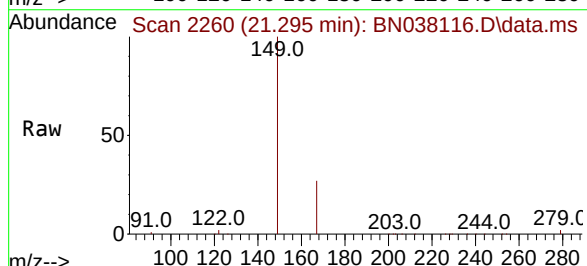
Tgt Ion:149 Resp: 157480

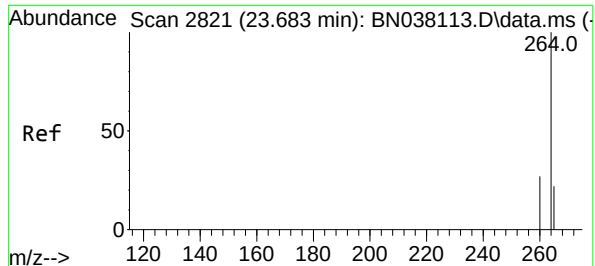
Ion Ratio Lower Upper

149 100

167 26.9 21.1 31.7

279 3.0 2.9 4.3





#35

Perylene-d12

Concen: 0.400 ng

RT: 23.683 min Scan# 21

Delta R.T. 0.003 min

Lab File: BN038116.D

Acq: 28 Oct 2025 16:02

Instrument :

BNA_N

ClientSampleId :

SSTDICC3.2

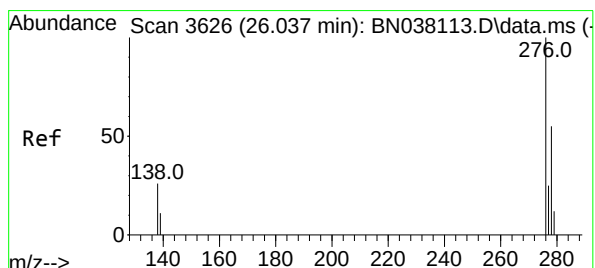
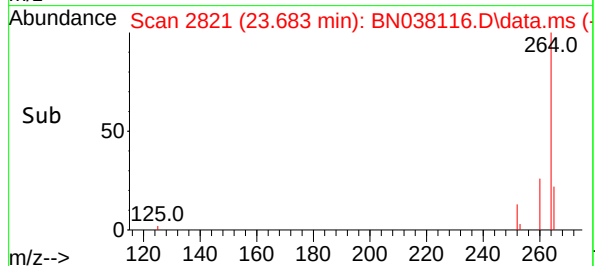
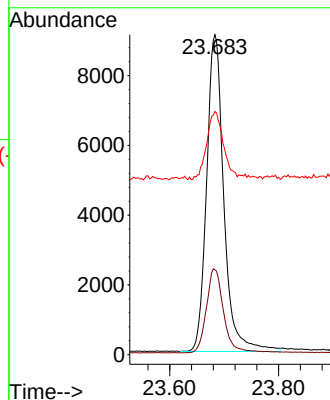
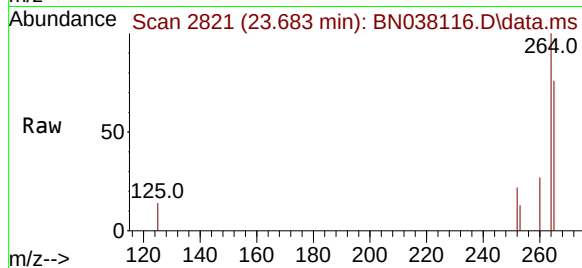
Tgt Ion:264 Resp: 19904

Ion Ratio Lower Upper

264 100

260 26.5 21.8 32.8

265 76.0 68.6 102.8



#36

Indeno(1,2,3-cd)pyrene

Concen: 3.386 ng

RT: 26.031 min Scan# 3624

Delta R.T. -0.003 min

Lab File: BN038116.D

Acq: 28 Oct 2025 16:02

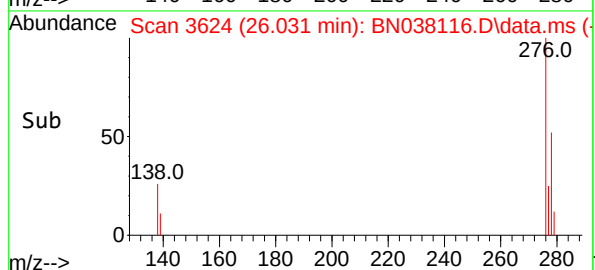
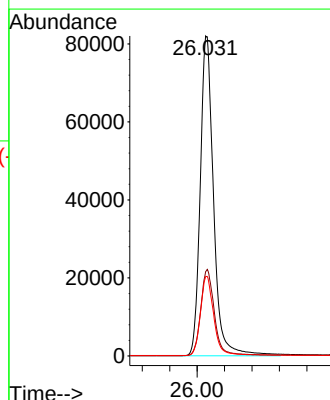
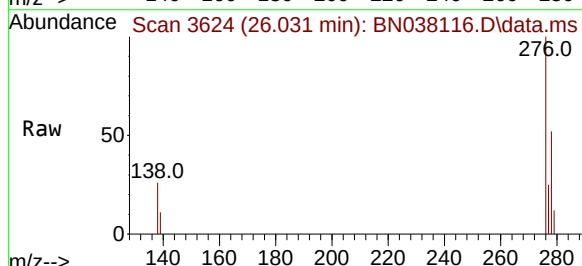
Tgt Ion:276 Resp: 276870

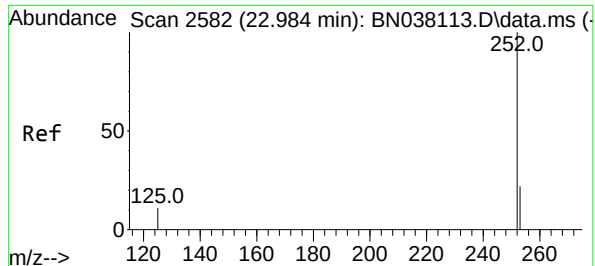
Ion Ratio Lower Upper

276 100

138 27.4 21.4 32.0

277 24.8 19.2 28.8





#37

Benzo(b)fluoranthene

Concen: 3.441 ng

RT: 22.984 min Scan# 2582

Delta R.T. 0.003 min

Lab File: BN038116.D

Acq: 28 Oct 2025 16:02

Instrument :

BNA_N

ClientSampleId :

SSTDICC3.2

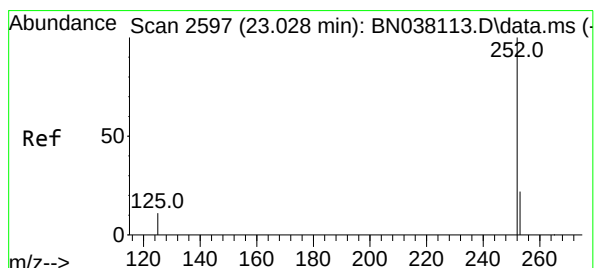
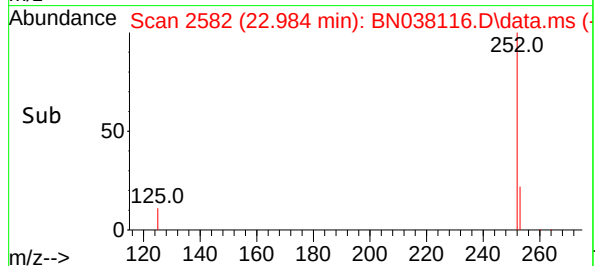
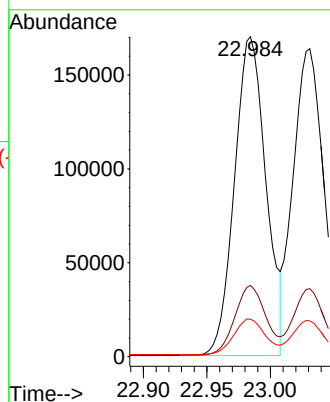
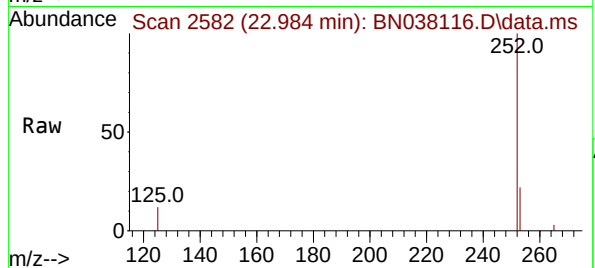
Tgt Ion:252 Resp: 292856

Ion Ratio Lower Upper

252 100

253 22.3 20.9 31.3

125 11.7 14.1 21.1#



#38

Benzo(k)fluoranthene

Concen: 3.411 ng

RT: 23.031 min Scan# 2598

Delta R.T. 0.003 min

Lab File: BN038116.D

Acq: 28 Oct 2025 16:02

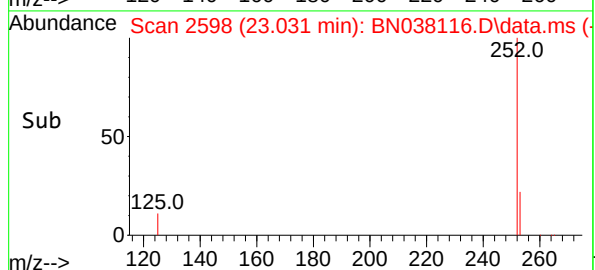
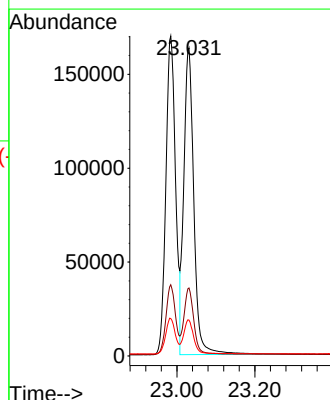
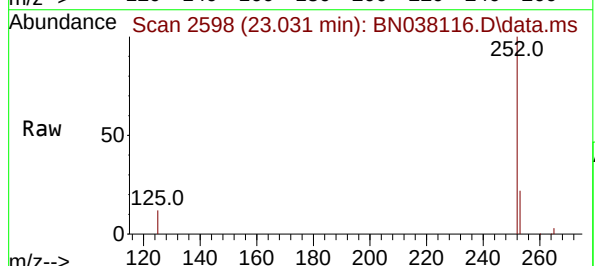
Tgt Ion:252 Resp: 292143

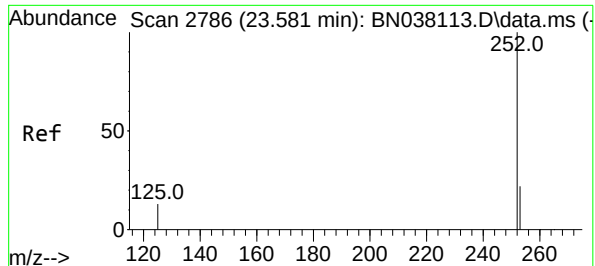
Ion Ratio Lower Upper

252 100

253 22.1 21.2 31.8

125 11.6 14.6 22.0#





#39

Benzo(a)pyrene

Concen: 3.392 ng

RT: 23.578 min Scan# 21

Delta R.T. 0.000 min

Lab File: BN038116.D

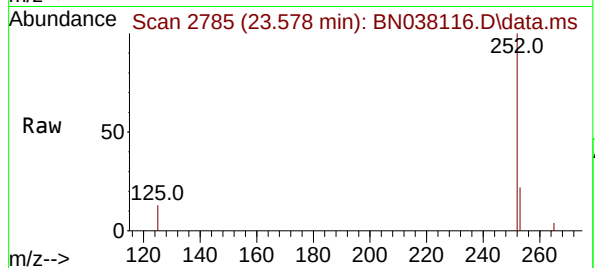
Acq: 28 Oct 2025 16:02

Instrument :

BNA_N

ClientSampleId :

SSTDICC3.2



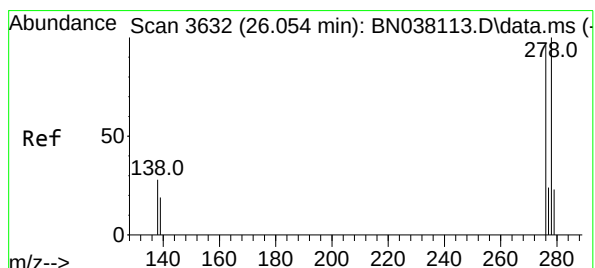
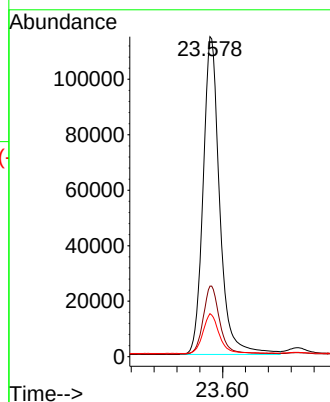
Tgt Ion:252 Resp: 231067

Ion Ratio Lower Upper

252 100

253 22.1 23.1 34.7#

125 13.4 18.6 28.0#



#40

Dibenzo(a,h)anthracene

Concen: 3.449 ng

RT: 26.051 min Scan# 3631

Delta R.T. 0.003 min

Lab File: BN038116.D

Acq: 28 Oct 2025 16:02

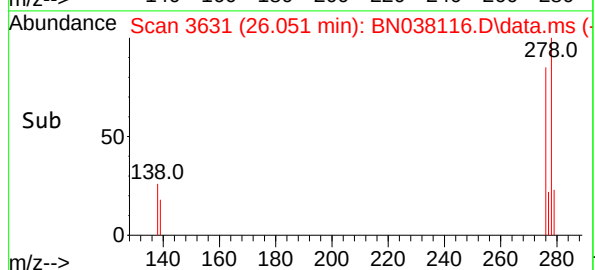
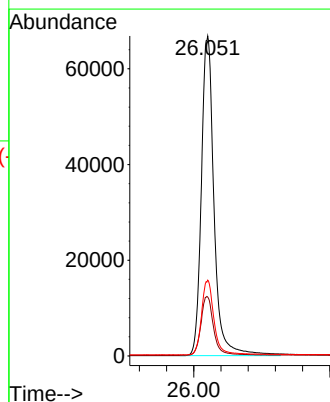
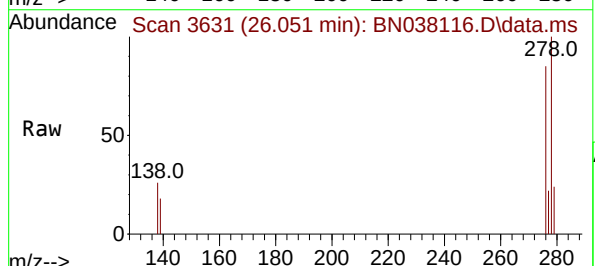
Tgt Ion:278 Resp: 217022

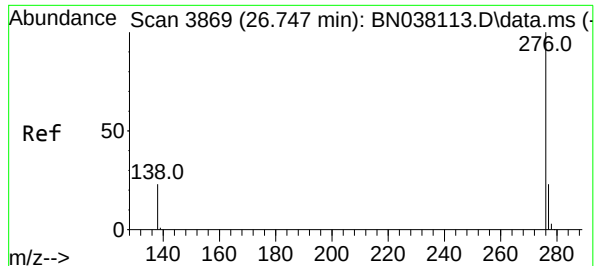
Ion Ratio Lower Upper

278 100

139 18.4 17.6 26.4

279 23.7 22.6 33.8





#41

Benzo(g,h,i)perylene

Concen: 3.274 ng

RT: 26.750 min Scan# 3869

Delta R.T. 0.000 min

Lab File: BN038116.D

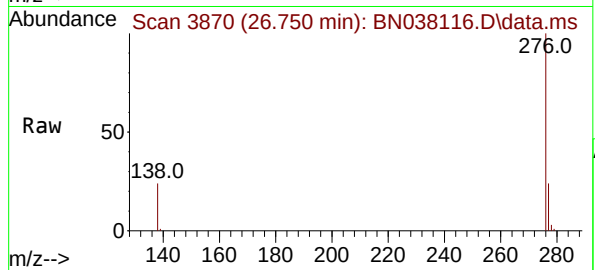
Acq: 28 Oct 2025 16:02

Instrument :

BNA_N

ClientSampleId :

SSTDICC3.2



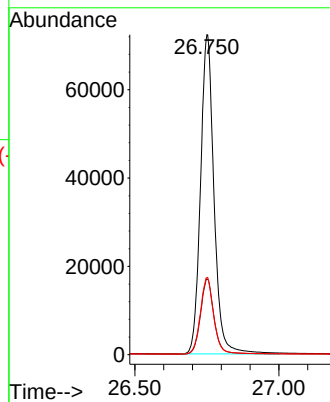
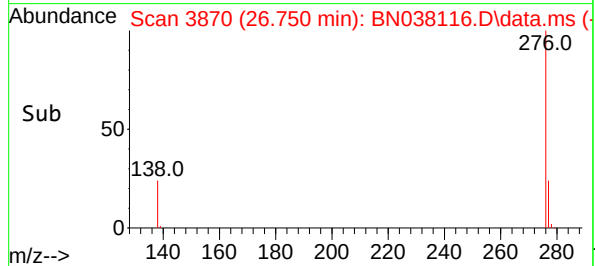
Tgt Ion:276 Resp: 235264

Ion Ratio Lower Upper

276 100

277 23.7 19.7 29.5

138 24.1 20.2 30.4



Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN102825\
 Data File : BN038117.D
 Acq On : 28 Oct 2025 16:38
 Operator : RC/JU
 Sample : SSTDICC5.0
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 SSTDICC5.0

Quant Time: Oct 28 17:31:59 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN102825.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Oct 28 17:15:13 2025
 Response via : Initial Calibration

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

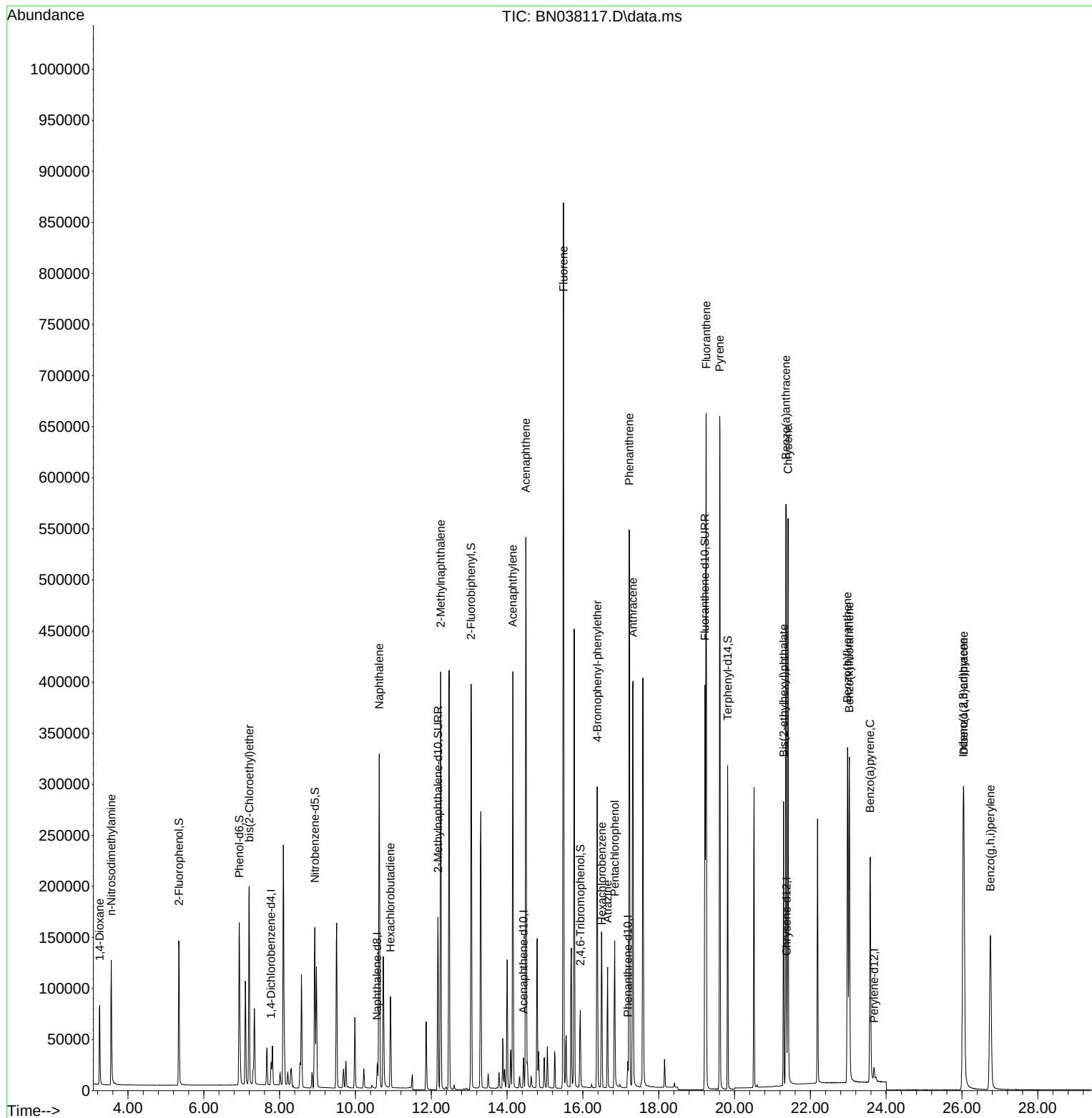
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.775	152	10579	0.400	ng	0.00
7) Naphthalene-d8	10.573	136	31197	0.400	ng	# 0.00
13) Acenaphthene-d10	14.430	164	17960	0.400	ng	0.00
19) Phenanthrene-d10	17.186	188	33242	0.400	ng	0.00
29) Chrysene-d12	21.375	240	25416	0.400	ng	0.00
35) Perylene-d12	23.680	264	18172	0.400	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.348	112	116608	4.679	ng	0.00
5) Phenol-d6	6.937	99	150343	4.953	ng	0.00
8) Nitrobenzene-d5	8.929	82	119764	4.757	ng	0.00
11) 2-Methylnaphthalene-d10	12.177	152	225769	5.068	ng	0.00
14) 2,4,6-Tribromophenol	15.932	330	43520	5.881	ng	0.00
15) 2-Fluorobiphenyl	13.051	172	335695	4.667	ng	0.00
27) Fluoranthene-d10	19.220	212	419371	5.003	ng	0.00
31) Terphenyl-d14	19.819	244	283126	5.127	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.254	88	51426	4.705	ng	100
3) n-Nitrosodimethylamine	3.557	42	68522	4.871	ng	96
6) bis(2-Chloroethyl)ether	7.197	93	142662	4.784	ng	99
9) Naphthalene	10.626	128	422794	4.920	ng	99
10) Hexachlorobutadiene	10.925	225	68839	4.748	ng	# 99
12) 2-Methylnaphthalene	12.248	142	287955	5.025	ng	99
16) Acenaphthylene	14.152	152	428380	5.267	ng	99
17) Acenaphthene	14.494	154	291166	5.117	ng	95
18) Fluorene	15.489	166	389813	5.227	ng	98
21) 4-Bromophenyl-phenylether	16.379	248	114170	5.239	ng	# 92
22) Hexachlorobenzene	16.503	284	123999	5.003	ng	99
23) Atrazine	16.652	200	87823	5.501	ng	97
24) Pentachlorophenol	16.838	266	66071	6.188	ng	99
25) Phenanthrene	17.223	178	539294	5.110	ng	100
26) Anthracene	17.322	178	499584	5.411	ng	99
28) Fluoranthene	19.253	202	587710	4.984	ng	99
30) Pyrene	19.610	202	586526	5.112	ng	100
32) Benzo(a)anthracene	21.358	228	462496	5.100	ng	100
33) Chrysene	21.411	228	473389	4.811	ng	99
34) Bis(2-ethylhexyl)phtha...	21.295	149	223481	4.679	ng	99
36) Indeno(1,2,3-cd)pyrene	26.034	276	403825	5.409	ng	99
37) Benzo(b)fluoranthene	22.981	252	413811	5.326	ng	# 90
38) Benzo(k)fluoranthene	23.028	252	421255	5.387	ng	# 88
39) Benzo(a)pyrene	23.578	252	332107	5.340	ng	# 83
40) Dibenzo(a,h)anthracene	26.048	278	318538	5.545	ng	91
41) Benzo(g,h,i)perylene	26.750	276	342713	5.223	ng	98

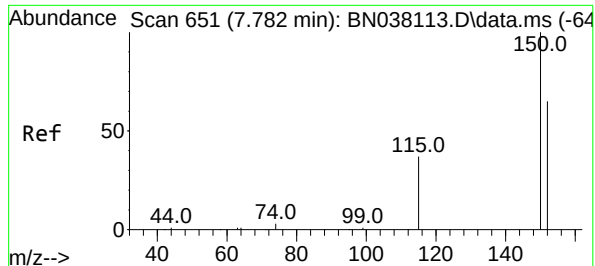
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN102825\
 Data File : BN038117.D
 Acq On : 28 Oct 2025 16:38
 Operator : RC/JU
 Sample : SSTDICC5.0
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 SSTDICC5.0

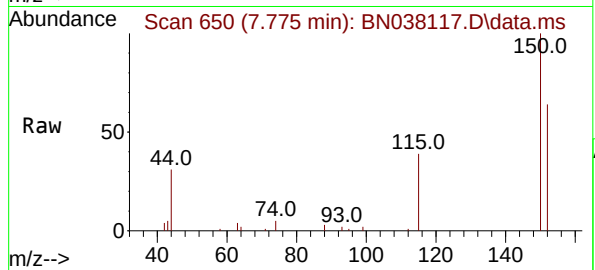
Quant Time: Oct 28 17:31:59 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN102825.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Oct 28 17:15:13 2025
 Response via : Initial Calibration



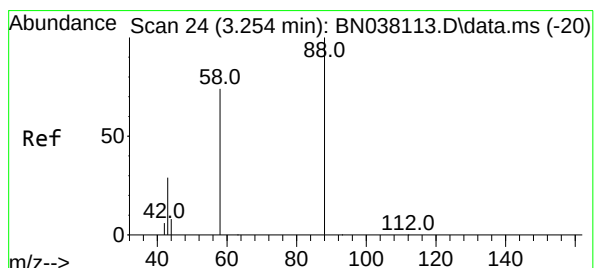
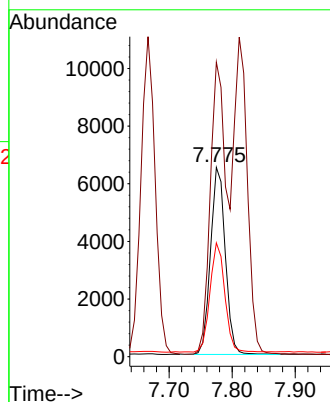
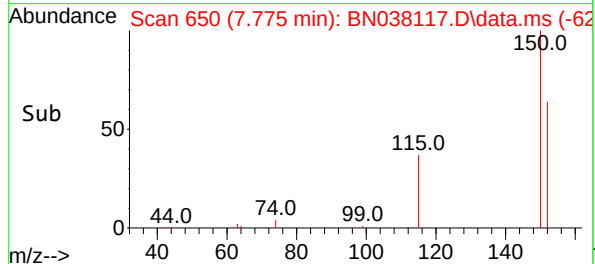


#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.775 min Scan# 61
Delta R.T. -0.000 min
Lab File: BN038117.D
Acq: 28 Oct 2025 16:38

Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

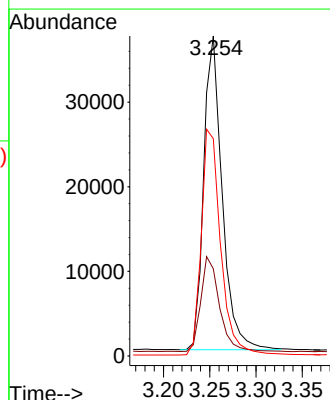
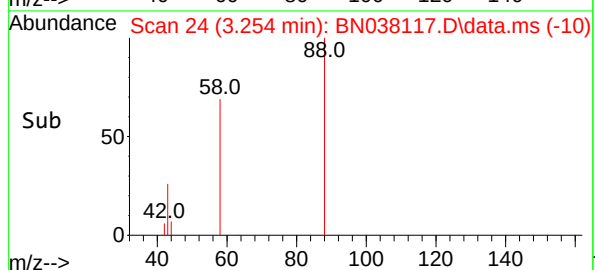
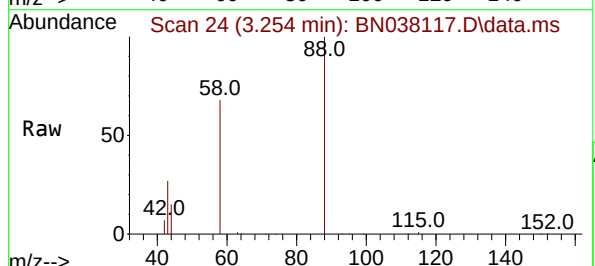


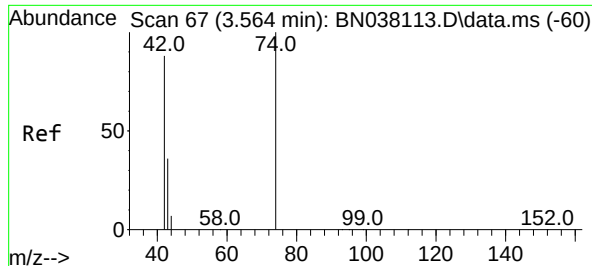
Tgt Ion:152 Resp: 10579
Ion Ratio Lower Upper
152 100
150 155.6 122.3 183.5
115 60.1 47.4 71.0



#2
1,4-Dioxane
Concen: 4.705 ng
RT: 3.254 min Scan# 24
Delta R.T. 0.000 min
Lab File: BN038117.D
Acq: 28 Oct 2025 16:38

Tgt Ion: 88 Resp: 51426
Ion Ratio Lower Upper
88 100
43 30.5 24.3 36.5
58 75.4 60.4 90.6

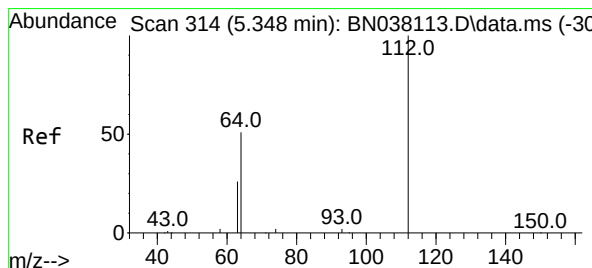
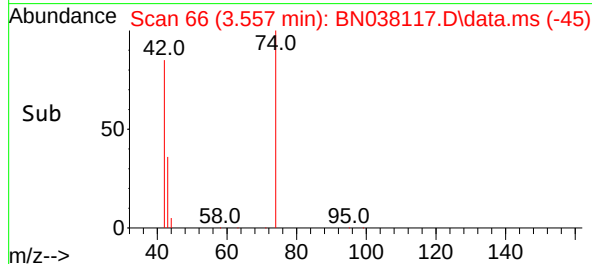
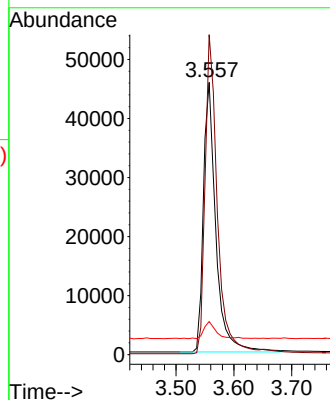
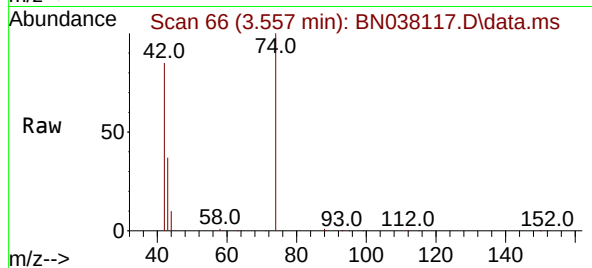




#3
n-Nitrosodimethylamine
Concen: 4.871 ng
RT: 3.557 min Scan# 60
Delta R.T. 0.000 min
Lab File: BN038117.D
Acq: 28 Oct 2025 16:38

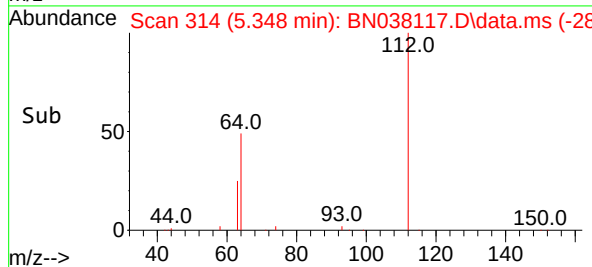
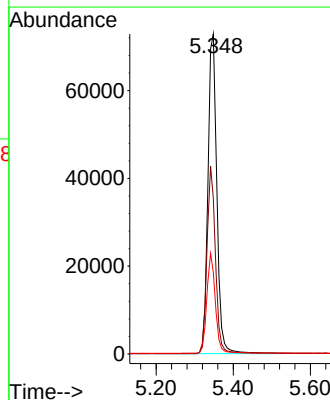
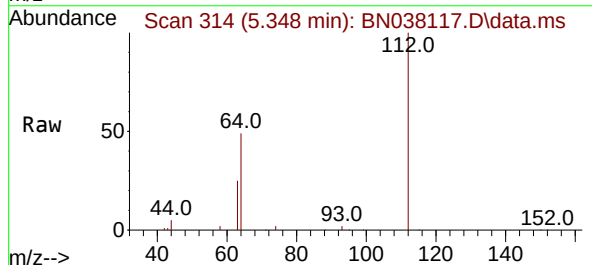
Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

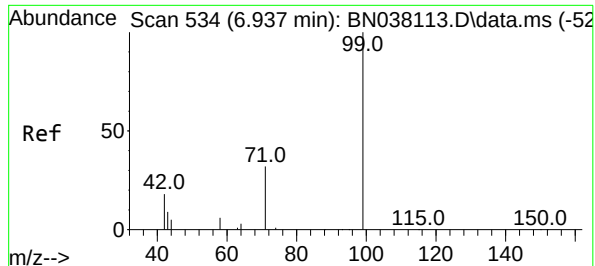
Tgt Ion: 42 Resp: 68522
Ion Ratio Lower Upper
42 100
74 116.1 96.8 145.2
44 6.5 5.3 7.9



#4
2-Fluorophenol
Concen: 4.679 ng
RT: 5.348 min Scan# 314
Delta R.T. 0.000 min
Lab File: BN038117.D
Acq: 28 Oct 2025 16:38

Tgt Ion: 112 Resp: 116608
Ion Ratio Lower Upper
112 100
64 56.1 45.4 68.0
63 29.9 23.2 34.8

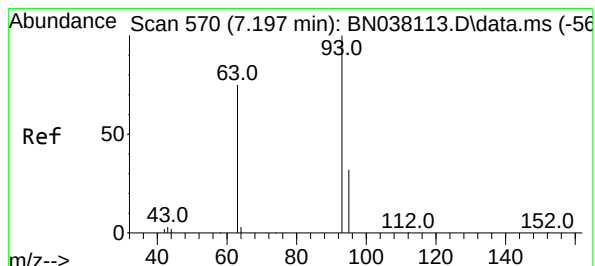
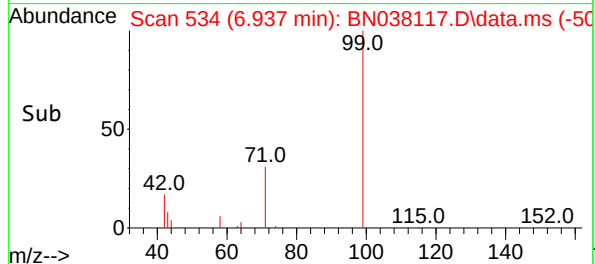
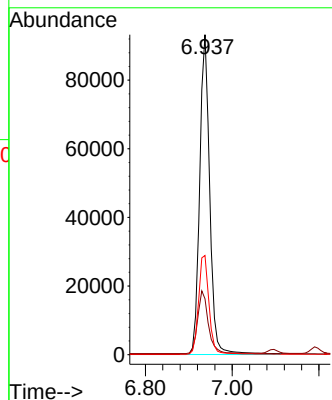
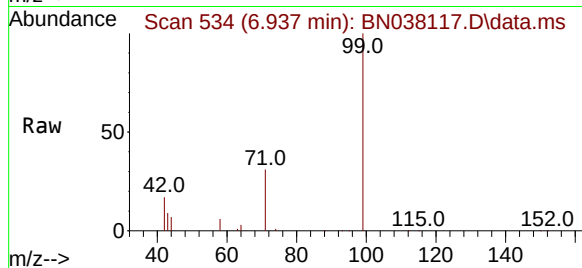




#5
Phenol-d6
Concen: 4.953 ng
RT: 6.937 min Scan# 51
Delta R.T. 0.000 min
Lab File: BN038117.D
Acq: 28 Oct 2025 16:38

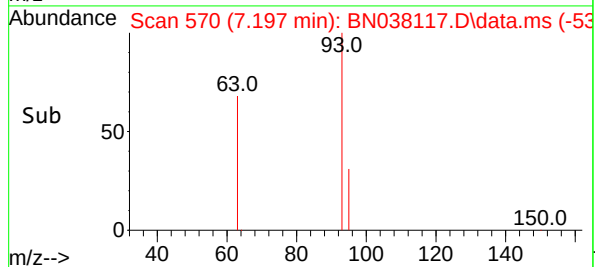
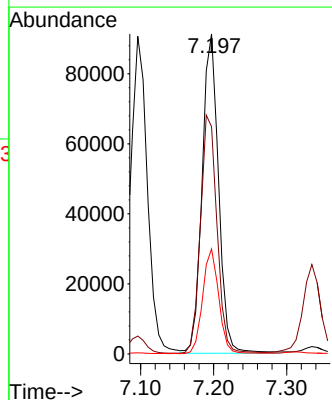
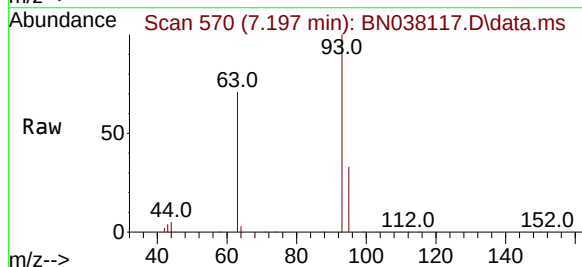
Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

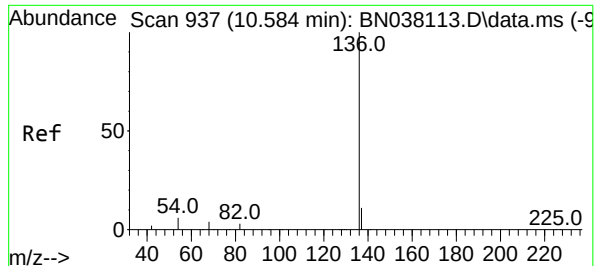
Tgt Ion: 99 Resp: 150343
Ion Ratio Lower Upper
99 100
42 20.9 16.6 24.8
71 32.5 25.4 38.2



#6
bis(2-Chloroethyl)ether
Concen: 4.784 ng
RT: 7.197 min Scan# 570
Delta R.T. 0.000 min
Lab File: BN038117.D
Acq: 28 Oct 2025 16:38

Tgt Ion: 93 Resp: 142662
Ion Ratio Lower Upper
93 100
63 74.9 59.3 88.9
95 31.9 25.2 37.8

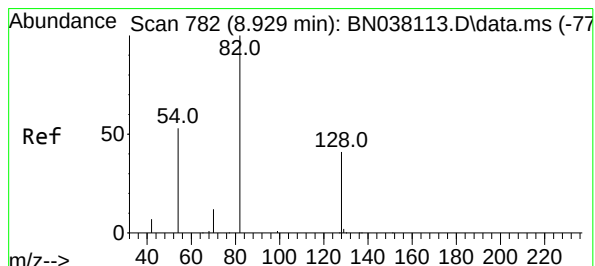
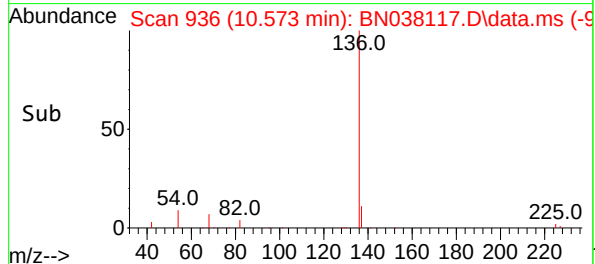
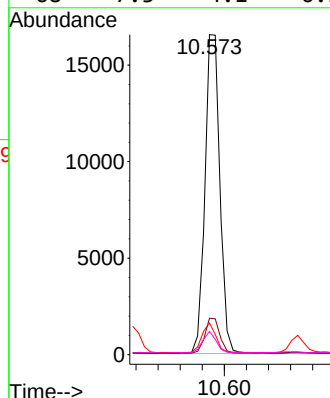
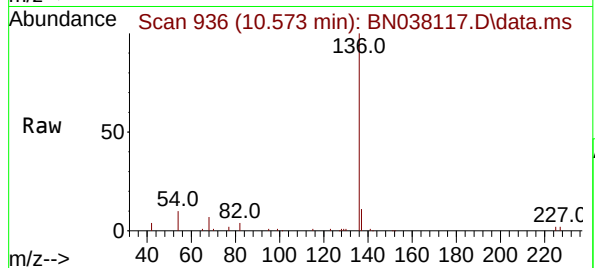




#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.573 min Scan# 91
Delta R.T. 0.000 min
Lab File: BN038117.D
Acq: 28 Oct 2025 16:38

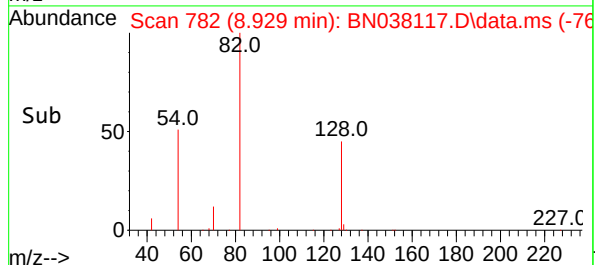
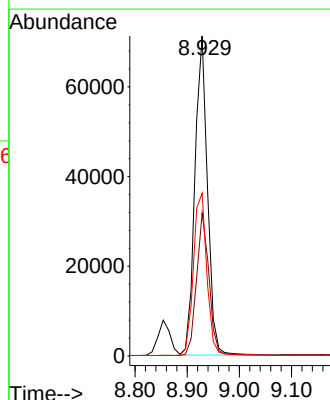
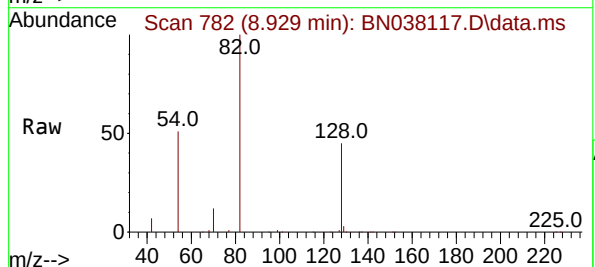
Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

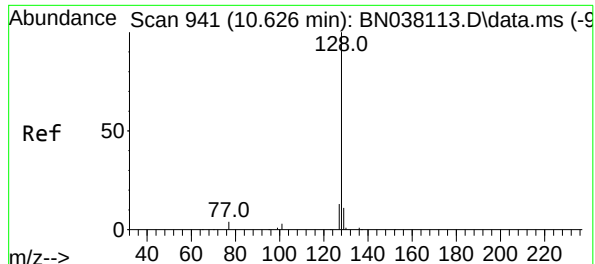
Tgt Ion:136 Resp: 31197
Ion Ratio Lower Upper
136 100
137 11.4 9.0 13.4
54 9.9 5.2 7.8#
68 7.3 4.1 6.1#



#8
Nitrobenzene-d5
Concen: 4.757 ng
RT: 8.929 min Scan# 782
Delta R.T. 0.000 min
Lab File: BN038117.D
Acq: 28 Oct 2025 16:38

Tgt Ion: 82 Resp: 119764
Ion Ratio Lower Upper
82 100
128 44.7 34.1 51.1
54 50.9 43.5 65.3





#9

Naphthalene

Concen: 4.920 ng

RT: 10.626 min Scan# 941

Delta R.T. 0.000 min

Lab File: BN038117.D

Acq: 28 Oct 2025 16:38

Instrument :

BNA_N

ClientSampleId :

SSTDICC5.0

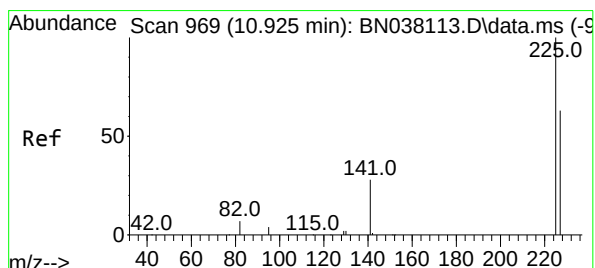
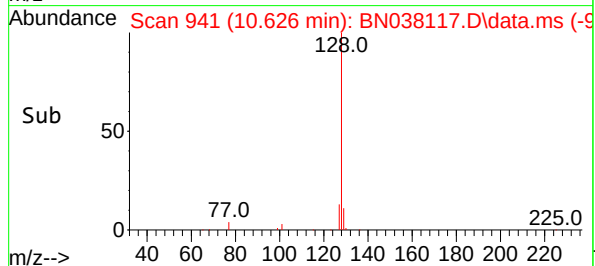
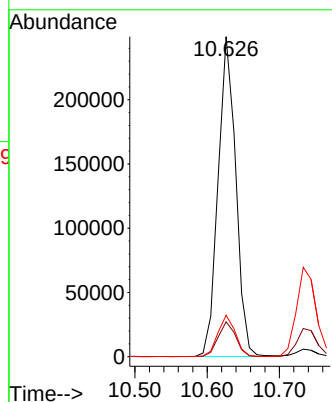
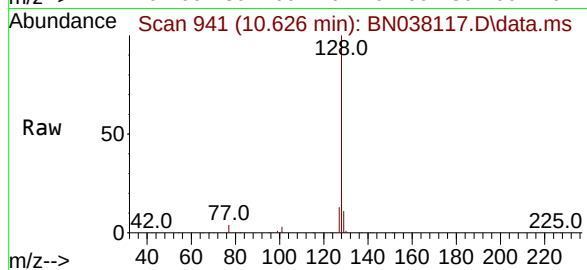
Tgt Ion:128 Resp: 422794

Ion Ratio Lower Upper

128 100

129 10.9 9.1 13.7

127 13.0 10.5 15.7



#10

Hexachlorobutadiene

Concen: 4.748 ng

RT: 10.925 min Scan# 969

Delta R.T. 0.000 min

Lab File: BN038117.D

Acq: 28 Oct 2025 16:38

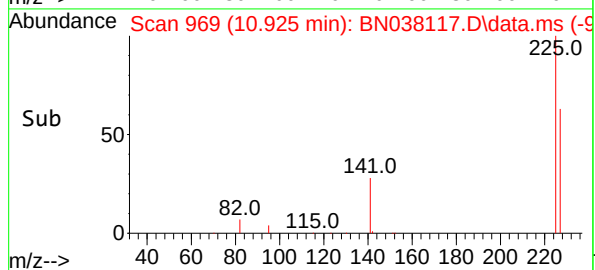
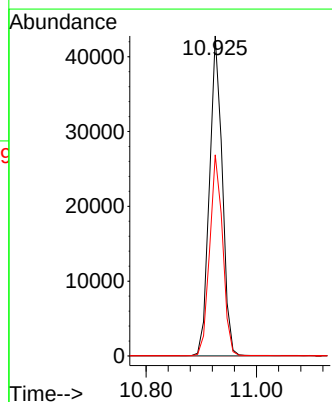
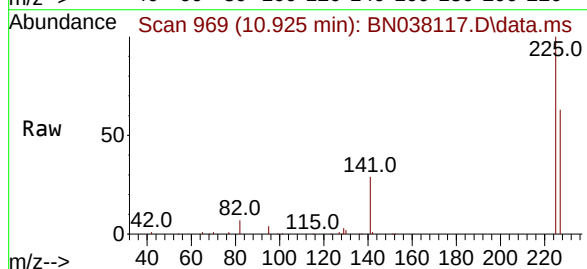
Tgt Ion:225 Resp: 68839

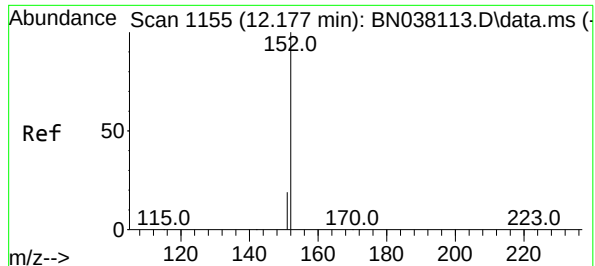
Ion Ratio Lower Upper

225 100

223 0.0 0.0 0.0

227 63.6 50.3 75.5

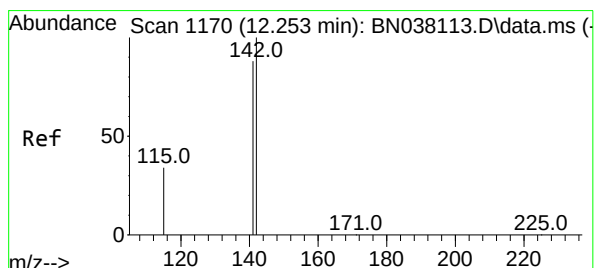
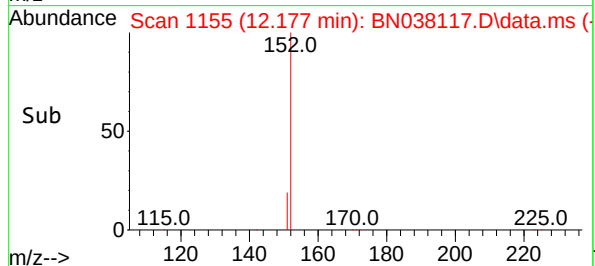
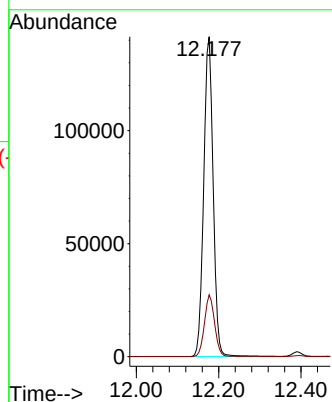
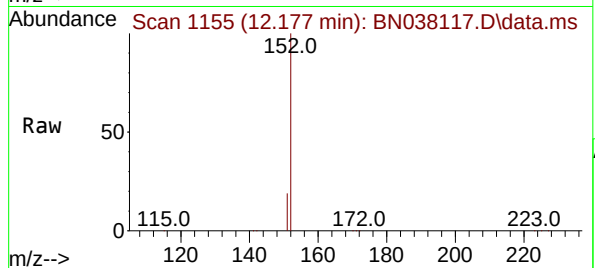




#11
2-Methylnaphthalene-d10
Concen: 5.068 ng
RT: 12.177 min Scan# 1155
Delta R.T. 0.000 min
Lab File: BN038117.D
Acq: 28 Oct 2025 16:38

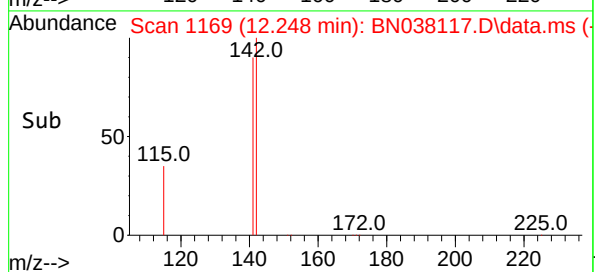
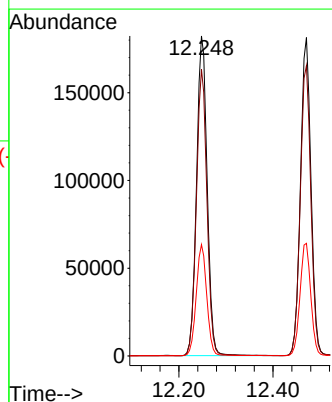
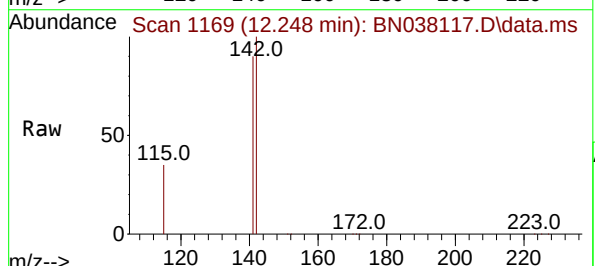
Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

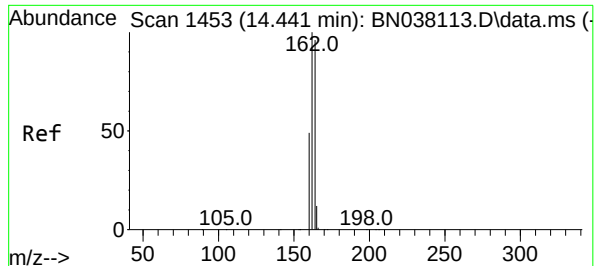
Tgt Ion:152 Resp: 225769
Ion Ratio Lower Upper
152 100
151 20.8 16.8 25.2



#12
2-Methylnaphthalene
Concen: 5.025 ng
RT: 12.248 min Scan# 1169
Delta R.T. 0.000 min
Lab File: BN038117.D
Acq: 28 Oct 2025 16:38

Tgt Ion:142 Resp: 287955
Ion Ratio Lower Upper
142 100
141 89.6 70.3 105.5
115 34.8 27.8 41.6

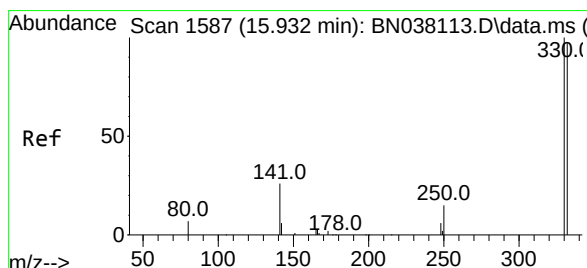
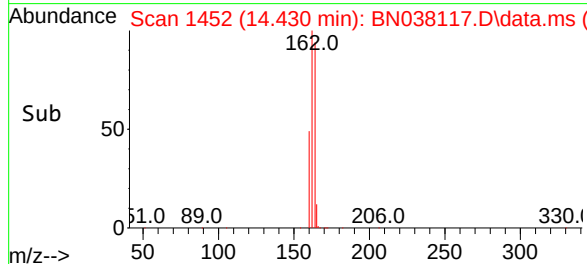
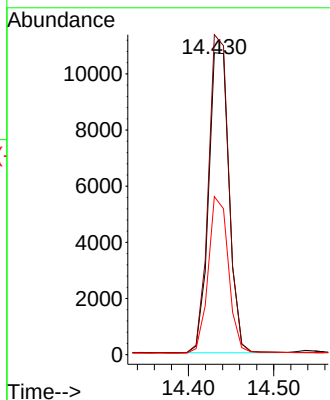
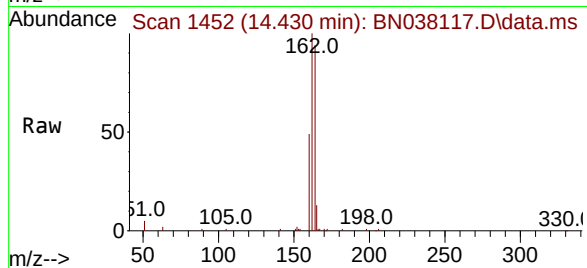




#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.430 min Scan# 1453
Delta R.T. 0.000 min
Lab File: BN038117.D
Acq: 28 Oct 2025 16:38

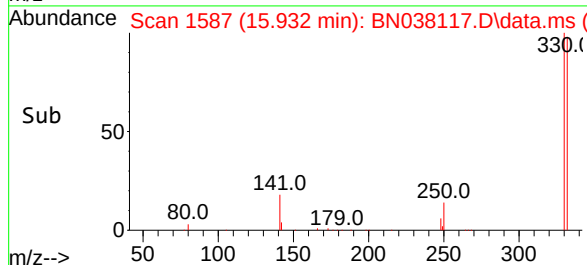
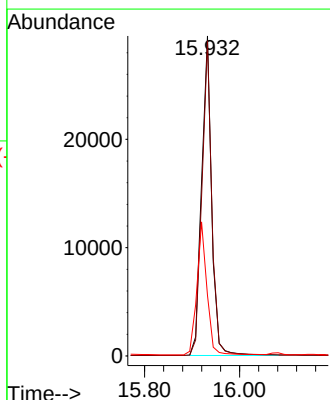
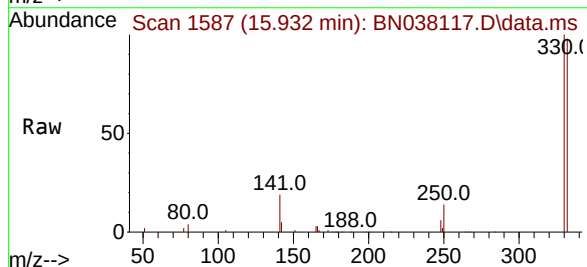
Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

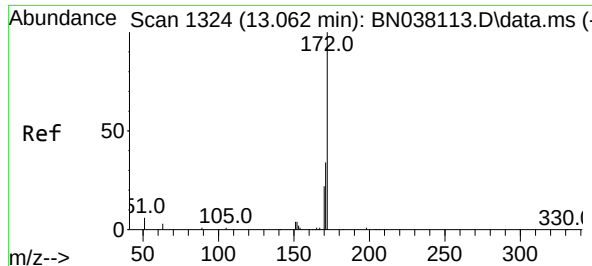
Tgt Ion:164 Resp: 17960
Ion Ratio Lower Upper
164 100
162 106.0 83.0 124.4
160 52.4 40.7 61.1



#14
2,4,6-Tribromophenol
Concen: 5.881 ng
RT: 15.932 min Scan# 1587
Delta R.T. 0.000 min
Lab File: BN038117.D
Acq: 28 Oct 2025 16:38

Tgt Ion:330 Resp: 43520
Ion Ratio Lower Upper
330 100
332 97.0 76.6 114.8
141 41.2 34.1 51.1

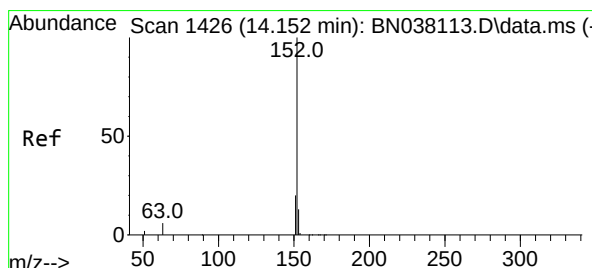
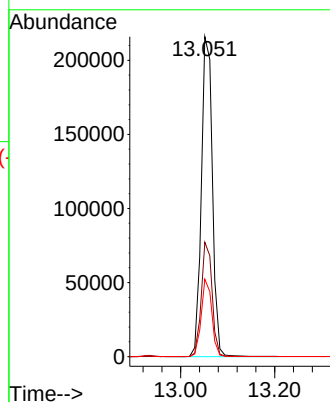
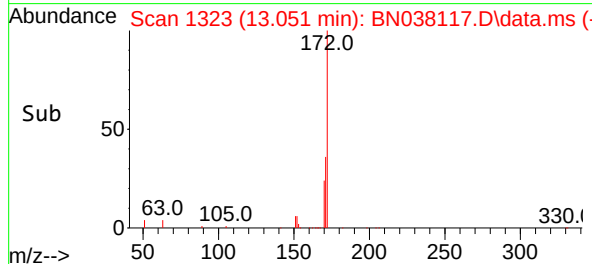
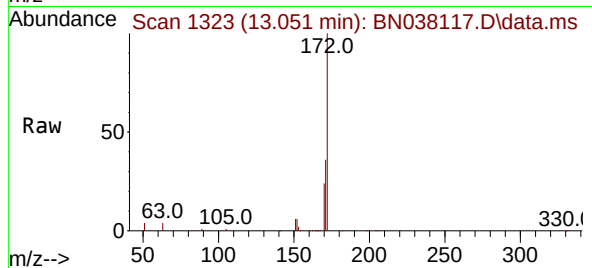




#15
2-Fluorobiphenyl
Concen: 4.667 ng
RT: 13.051 min Scan# 1323
Delta R.T. 0.000 min
Lab File: BN038117.D
Acq: 28 Oct 2025 16:38

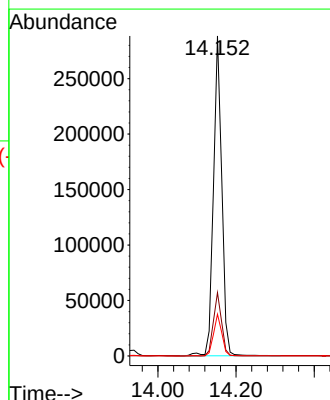
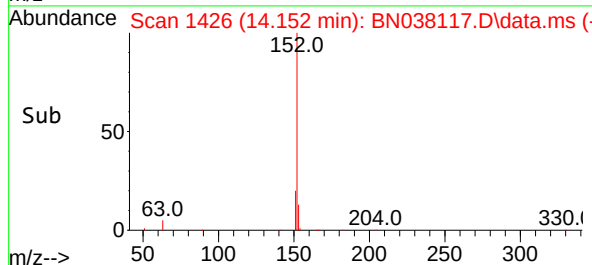
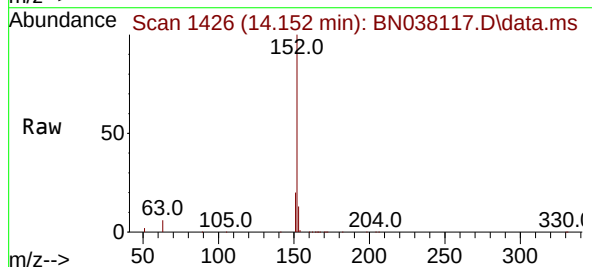
Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

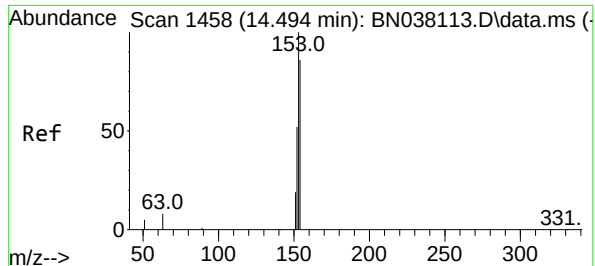
Tgt Ion:172 Resp: 335695
Ion Ratio Lower Upper
172 100
171 35.8 27.8 41.6
170 24.2 18.1 27.1



#16
Acenaphthylene
Concen: 5.267 ng
RT: 14.152 min Scan# 1426
Delta R.T. 0.000 min
Lab File: BN038117.D
Acq: 28 Oct 2025 16:38

Tgt Ion:152 Resp: 428380
Ion Ratio Lower Upper
152 100
151 19.5 15.8 23.8
153 13.0 10.2 15.2

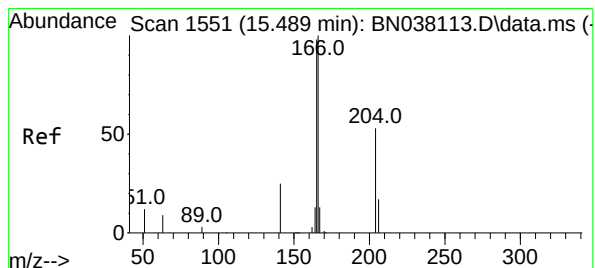
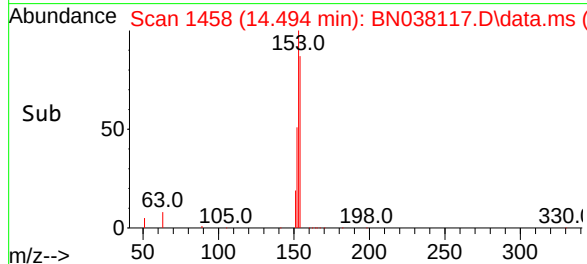
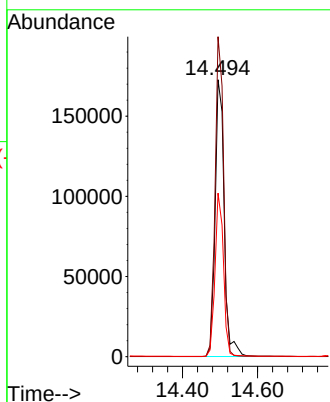
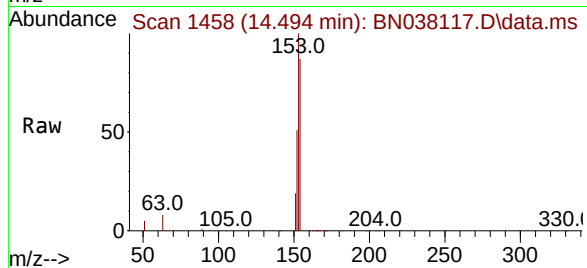




#17
Acenaphthene
Concen: 5.117 ng
RT: 14.494 min Scan# 1458
Delta R.T. 0.000 min
Lab File: BN038117.D
Acq: 28 Oct 2025 16:38

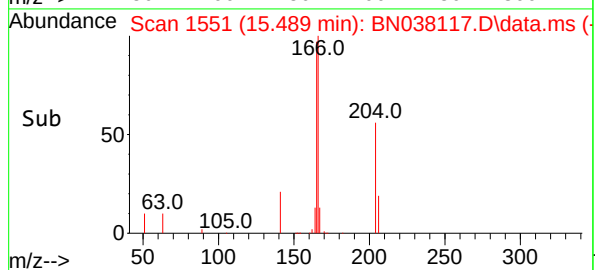
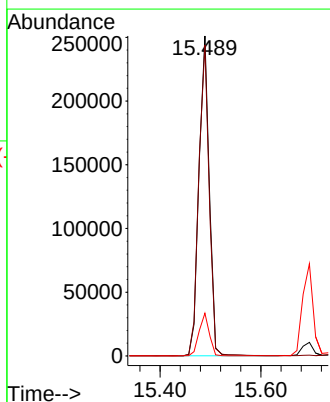
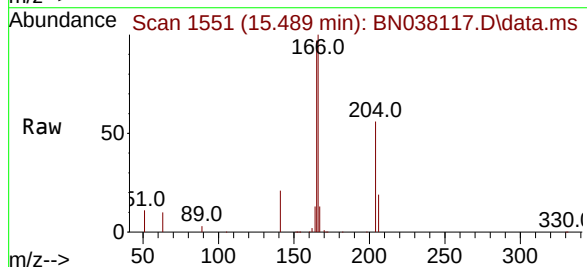
Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

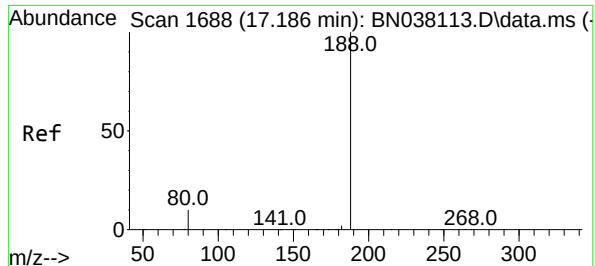
Tgt Ion:154 Resp: 291166
Ion Ratio Lower Upper
154 100
153 108.1 90.0 135.0
152 55.0 47.3 70.9



#18
Fluorene
Concen: 5.227 ng
RT: 15.489 min Scan# 1551
Delta R.T. -0.000 min
Lab File: BN038117.D
Acq: 28 Oct 2025 16:38

Tgt Ion:166 Resp: 389813
Ion Ratio Lower Upper
166 100
165 97.0 79.0 118.4
167 13.1 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: BN038117.D

Acq: 28 Oct 2025 16:38

Instrument :

BNA_N

ClientSampleId :

SSTDICC5.0

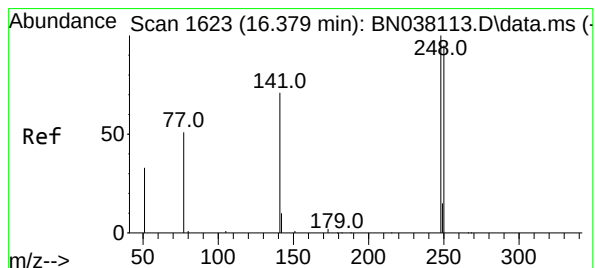
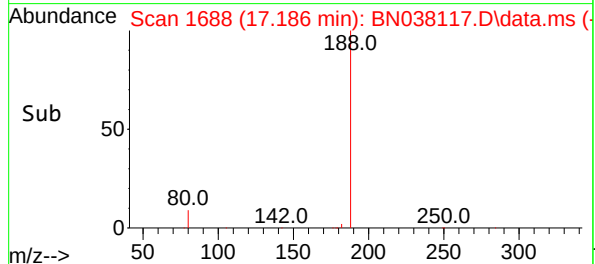
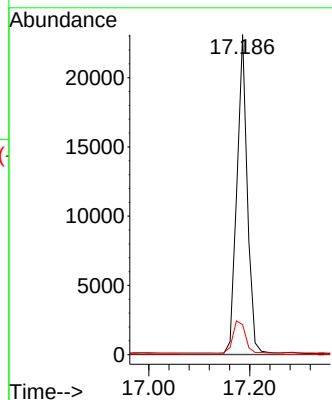
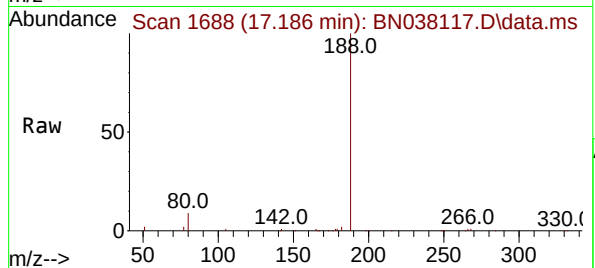
Tgt Ion:188 Resp: 33242

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

80 9.4 8.6 13.0



#21

4-Bromophenyl-phenylether

Concen: 5.239 ng

RT: 16.379 min Scan# 1623

Delta R.T. 0.000 min

Lab File: BN038117.D

Acq: 28 Oct 2025 16:38

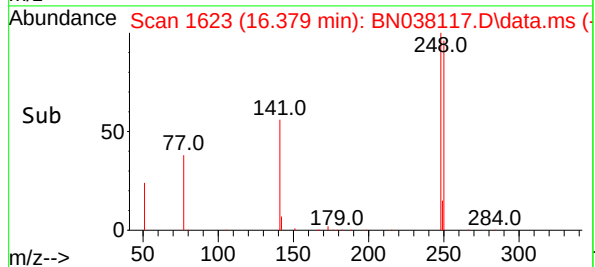
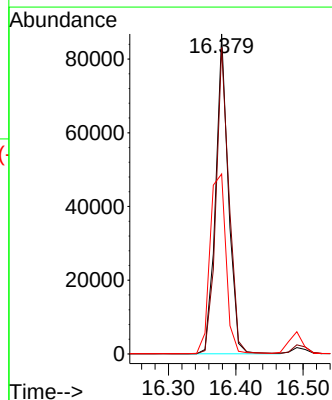
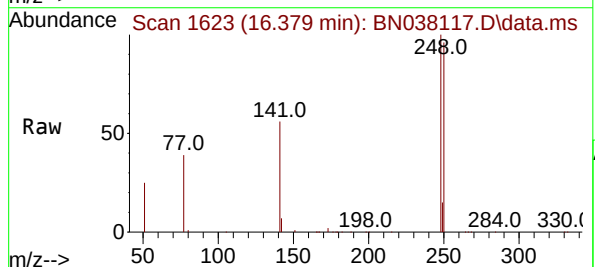
Tgt Ion:248 Resp: 114170

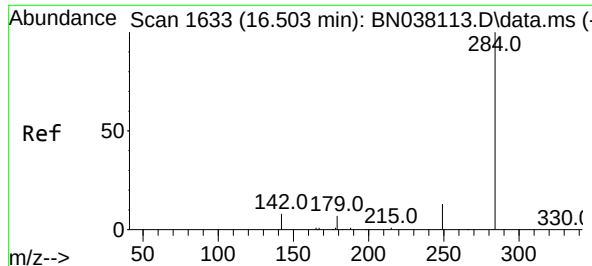
Ion Ratio Lower Upper

248 100

250 95.7 76.2 114.2

141 56.3 57.6 86.4#

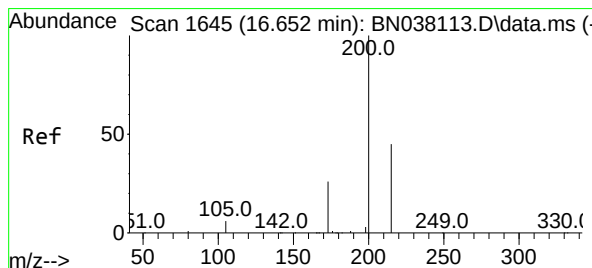
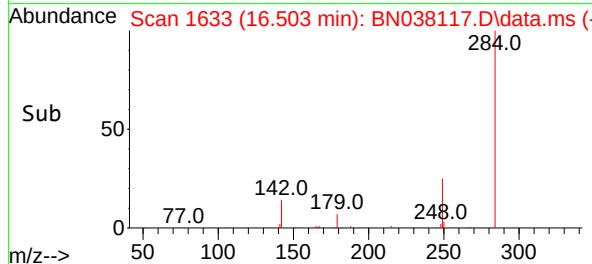
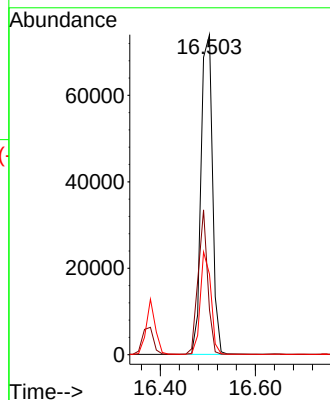
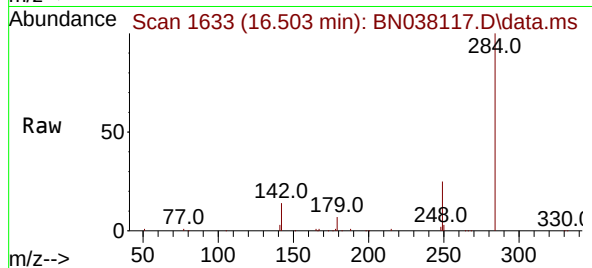




#22
Hexachlorobenzene
Concen: 5.003 ng
RT: 16.503 min Scan# 1633
Delta R.T. 0.000 min
Lab File: BN038117.D
Acq: 28 Oct 2025 16:38

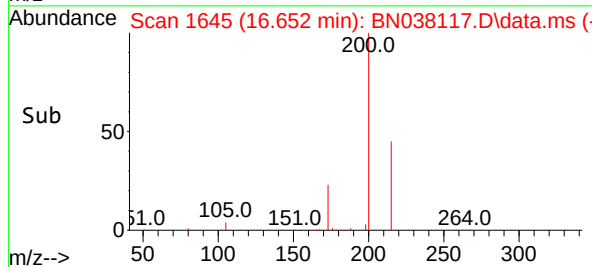
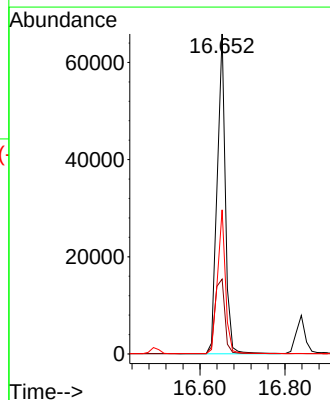
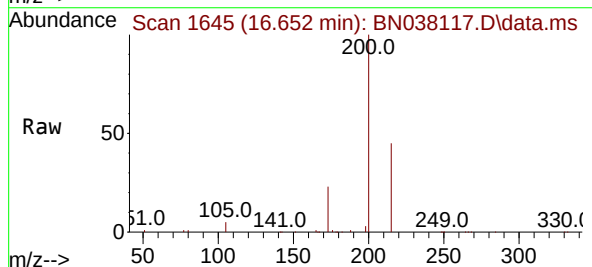
Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

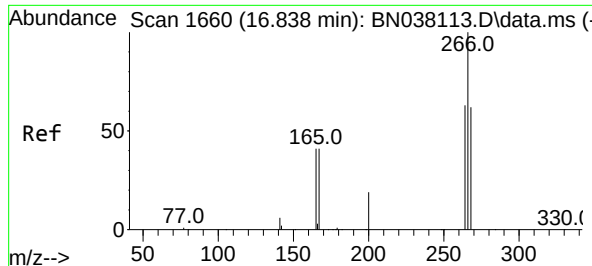
Tgt Ion:284 Resp: 123999
Ion Ratio Lower Upper
284 100
142 37.6 30.5 45.7
249 29.6 23.5 35.3



#23
Atrazine
Concen: 5.501 ng
RT: 16.652 min Scan# 1645
Delta R.T. 0.000 min
Lab File: BN038117.D
Acq: 28 Oct 2025 16:38

Tgt Ion:200 Resp: 87823
Ion Ratio Lower Upper
200 100
173 23.4 21.4 32.2
215 45.1 36.7 55.1

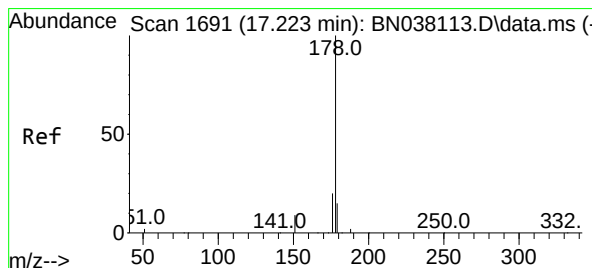
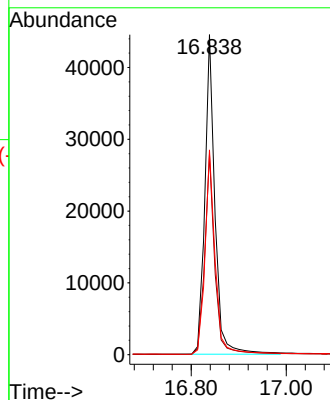
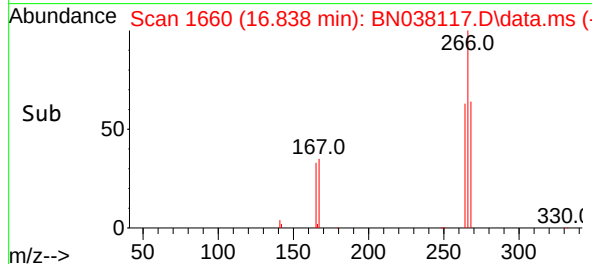
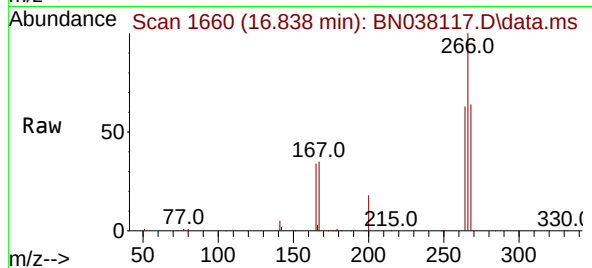




#24
Pentachlorophenol
Concen: 6.188 ng
RT: 16.838 min Scan# 1660
Delta R.T. 0.000 min
Lab File: BN038117.D
Acq: 28 Oct 2025 16:38

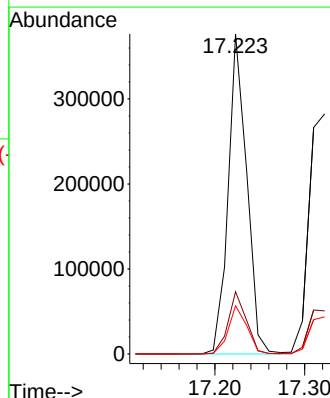
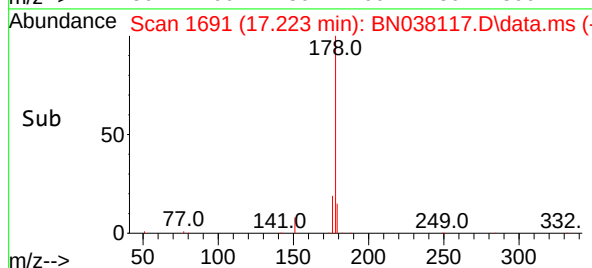
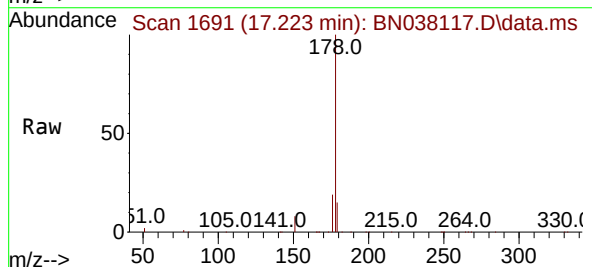
Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

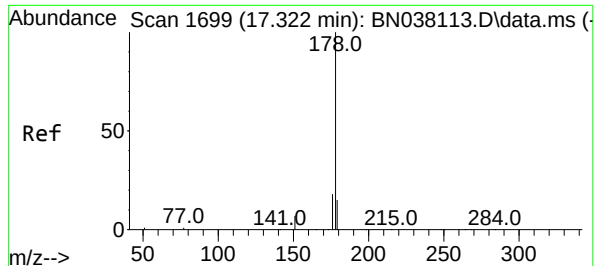
Tgt Ion:266 Resp: 66071
Ion Ratio Lower Upper
266 100
264 62.7 49.3 73.9
268 64.1 50.6 75.8



#25
Phenanthrene
Concen: 5.110 ng
RT: 17.223 min Scan# 1691
Delta R.T. 0.000 min
Lab File: BN038117.D
Acq: 28 Oct 2025 16:38

Tgt Ion:178 Resp: 539294
Ion Ratio Lower Upper
178 100
176 19.2 15.5 23.3
179 15.1 12.2 18.4

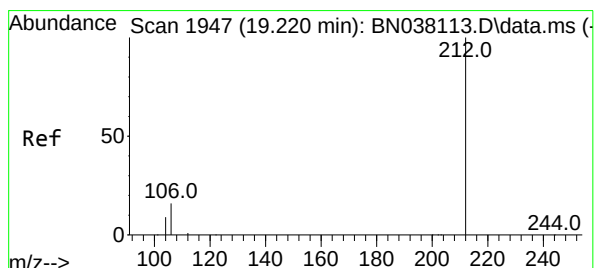
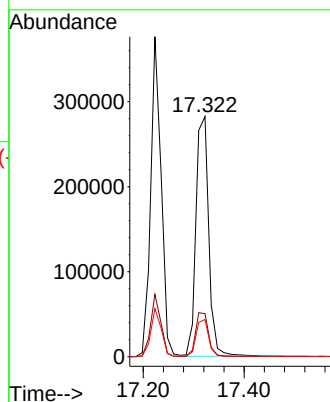
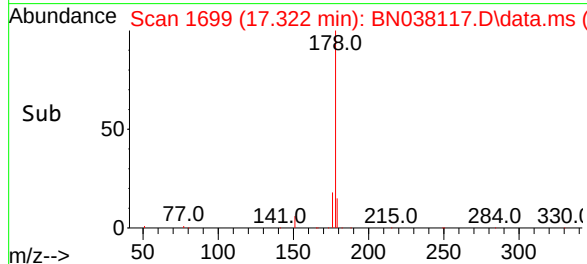
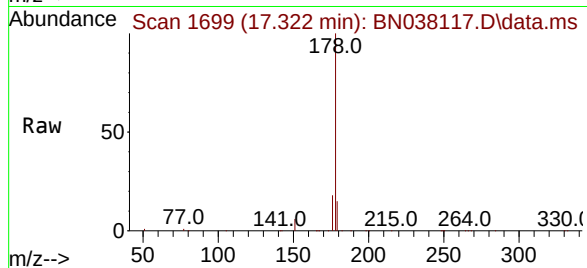




#26
Anthracene
Concen: 5.411 ng
RT: 17.322 min Scan# 1699
Delta R.T. 0.000 min
Lab File: BN038117.D
Acq: 28 Oct 2025 16:38

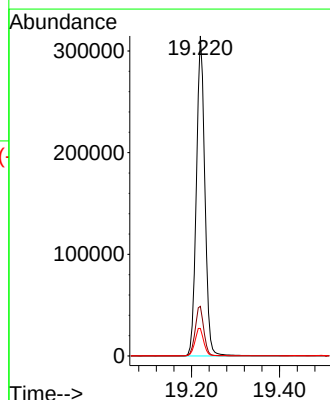
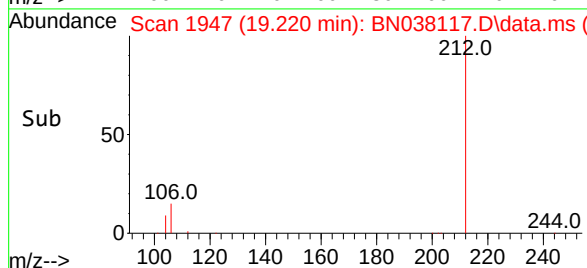
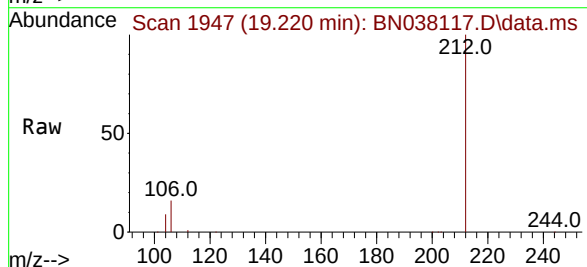
Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

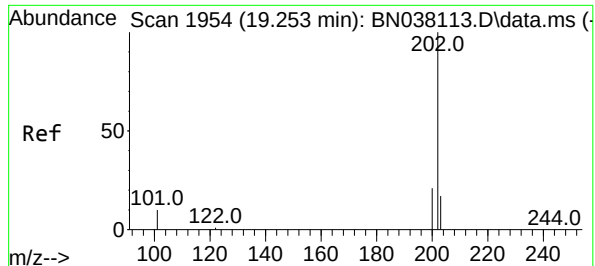
Tgt Ion:178 Resp: 499584
Ion Ratio Lower Upper
178 100
176 18.6 14.9 22.3
179 15.3 11.8 17.8



#27
Fluoranthene-d10
Concen: 5.003 ng
RT: 19.220 min Scan# 1947
Delta R.T. 0.000 min
Lab File: BN038117.D
Acq: 28 Oct 2025 16:38

Tgt Ion:212 Resp: 419371
Ion Ratio Lower Upper
212 100
106 15.8 12.6 19.0
104 8.9 7.1 10.7

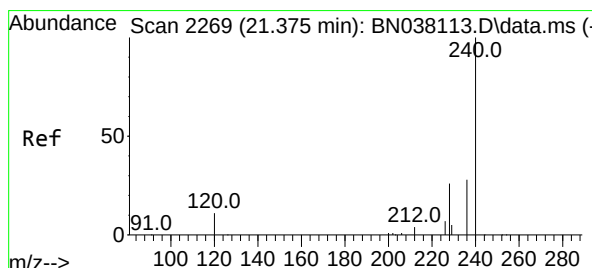
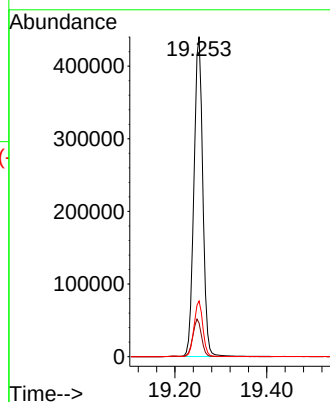
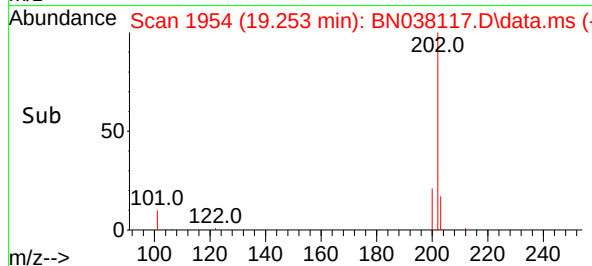
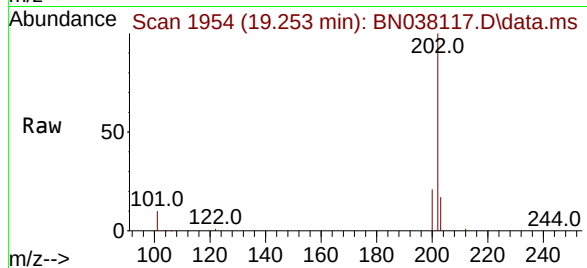




#28
Fluoranthene
Concen: 4.984 ng
RT: 19.253 min Scan# 1954
Delta R.T. 0.000 min
Lab File: BN038117.D
Acq: 28 Oct 2025 16:38

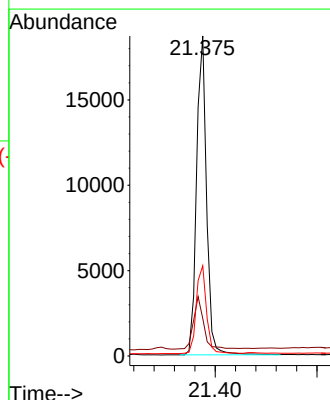
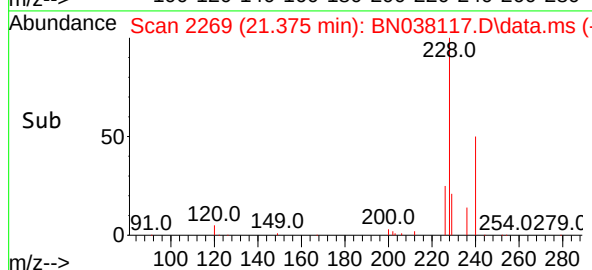
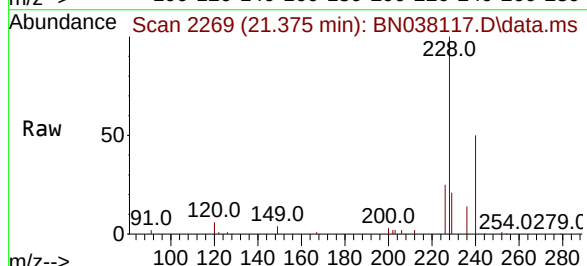
Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

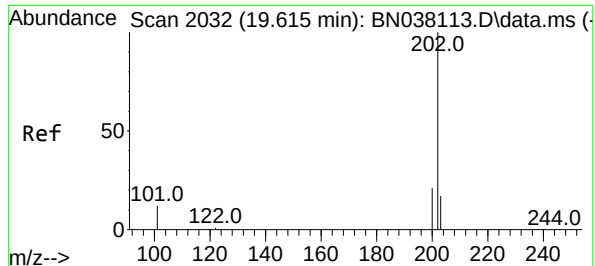
Tgt Ion:202 Resp: 587710
Ion Ratio Lower Upper
202 100
101 11.7 9.4 14.2
203 17.3 13.4 20.2



#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.375 min Scan# 2269
Delta R.T. 0.000 min
Lab File: BN038117.D
Acq: 28 Oct 2025 16:38

Tgt Ion:240 Resp: 25416
Ion Ratio Lower Upper
240 100
120 11.7 10.7 16.1
236 28.2 23.1 34.7

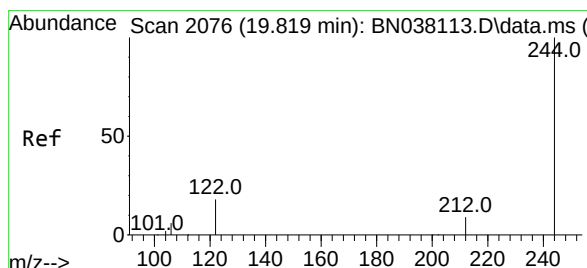
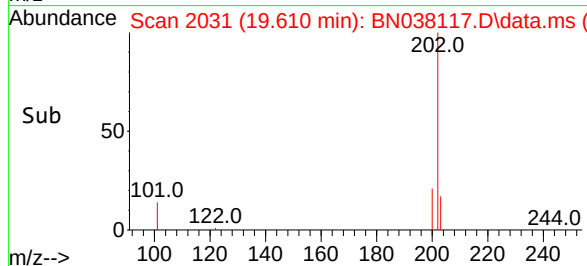
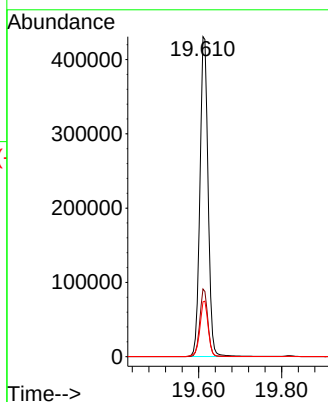
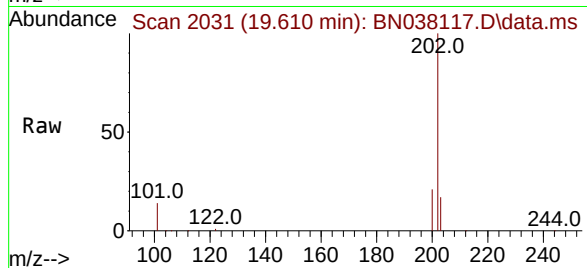




#30
Pyrene
Concen: 5.112 ng
RT: 19.610 min Scan# 2032
Delta R.T. 0.000 min
Lab File: BN038117.D
Acq: 28 Oct 2025 16:38

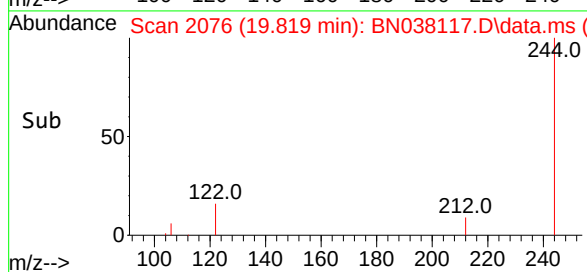
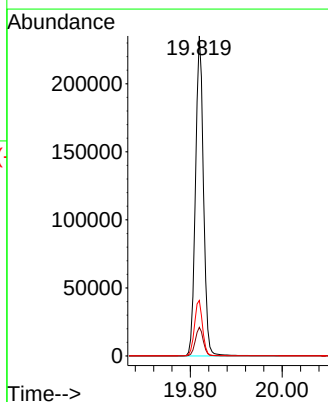
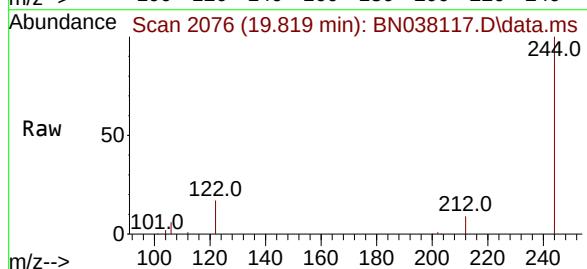
Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

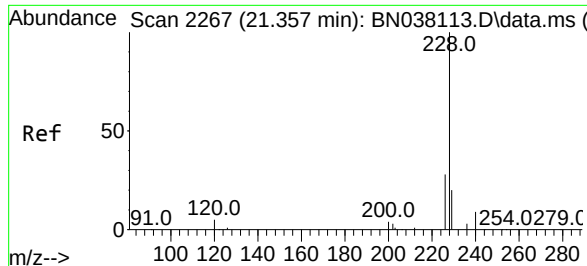
Tgt Ion:202 Resp: 586526
Ion Ratio Lower Upper
202 100
200 21.0 16.7 25.1
203 17.8 14.2 21.2



#31
Terphenyl-d14
Concen: 5.127 ng
RT: 19.819 min Scan# 2076
Delta R.T. 0.000 min
Lab File: BN038117.D
Acq: 28 Oct 2025 16:38

Tgt Ion:244 Resp: 283126
Ion Ratio Lower Upper
244 100
212 8.9 7.8 11.6
122 17.3 15.2 22.8

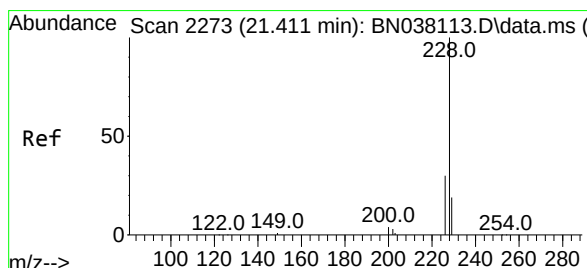
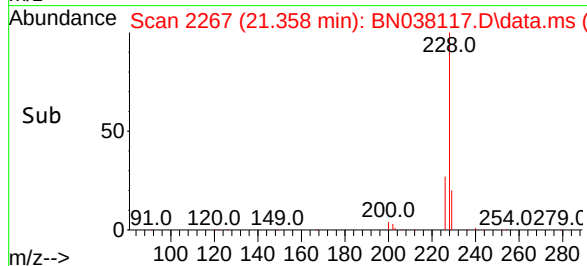
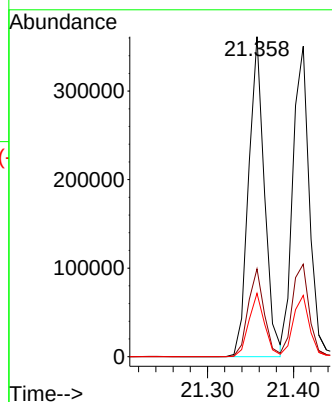
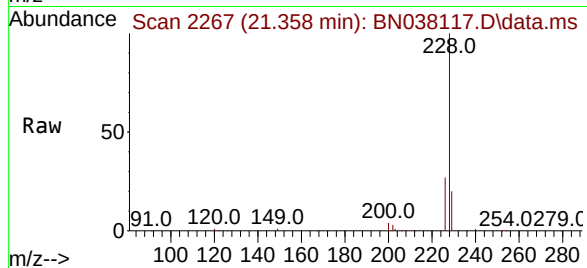




#32
Benzo(a)anthracene
Concen: 5.100 ng
RT: 21.358 min Scan# 21358
Delta R.T. 0.000 min
Lab File: BN038117.D
Acq: 28 Oct 2025 16:38

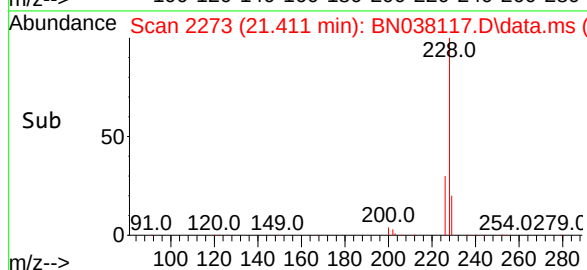
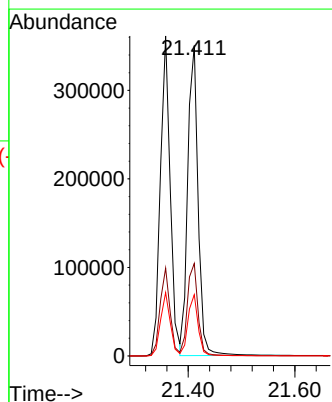
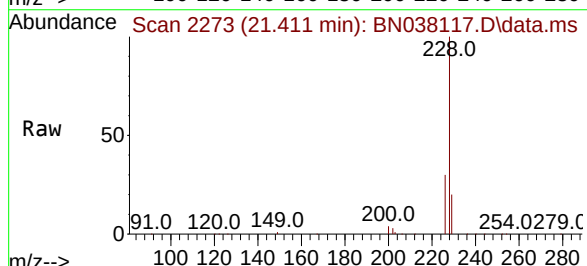
Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

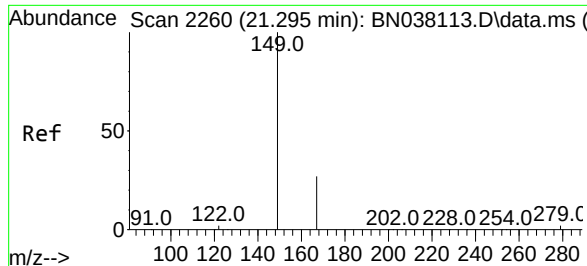
Tgt Ion:228 Resp: 462496
Ion Ratio Lower Upper
228 100
226 27.4 22.2 33.4
229 19.8 15.8 23.8



#33
Chrysene
Concen: 4.811 ng
RT: 21.411 min Scan# 2273
Delta R.T. 0.000 min
Lab File: BN038117.D
Acq: 28 Oct 2025 16:38

Tgt Ion:228 Resp: 473389
Ion Ratio Lower Upper
228 100
226 29.8 24.3 36.5
229 19.8 15.7 23.5

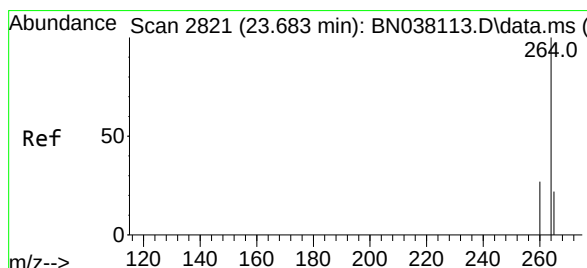
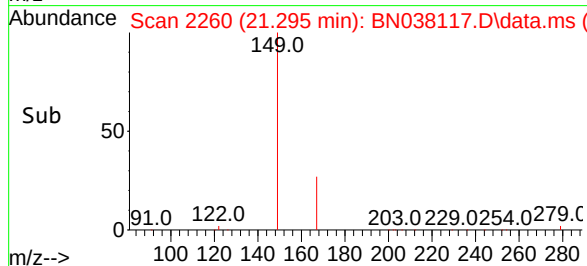
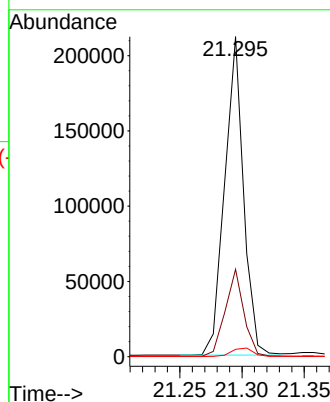
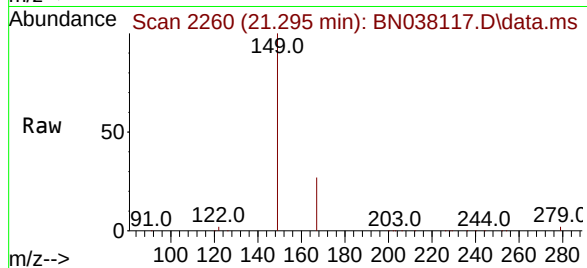




#34
Bis(2-ethylhexyl)phthalate
Concen: 4.679 ng
RT: 21.295 min Scan# 21
Delta R.T. 0.000 min
Lab File: BN038117.D
Acq: 28 Oct 2025 16:38

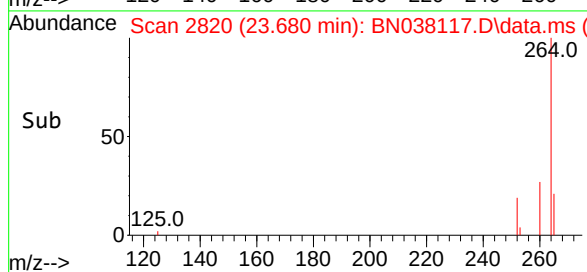
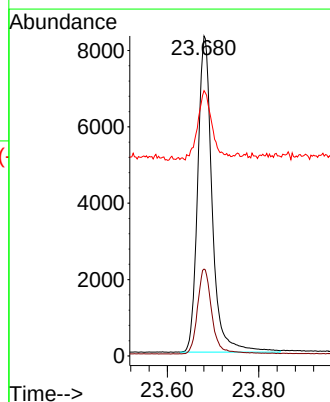
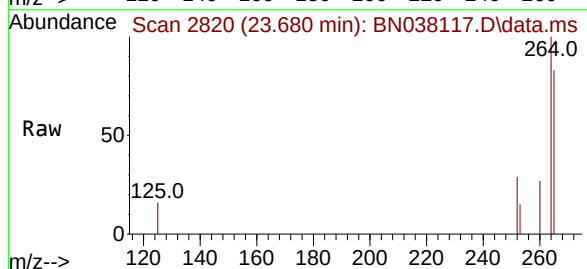
Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

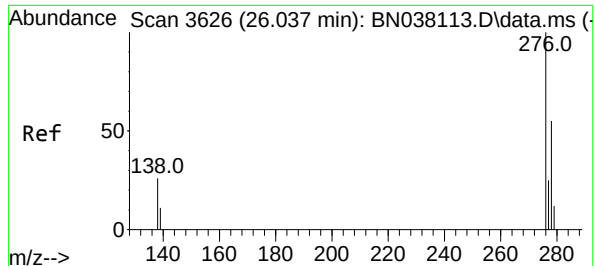
Tgt Ion:149 Resp: 223481
Ion Ratio Lower Upper
149 100
167 27.0 21.1 31.7
279 3.1 2.9 4.3



#35
Perylene-d12
Concen: 0.400 ng
RT: 23.680 min Scan# 2820
Delta R.T. 0.000 min
Lab File: BN038117.D
Acq: 28 Oct 2025 16:38

Tgt Ion:264 Resp: 18172
Ion Ratio Lower Upper
264 100
260 27.2 21.8 32.8
265 82.9 68.6 102.8





#36

Indeno(1,2,3-cd)pyrene

Concen: 5.409 ng

RT: 26.034 min Scan# 3626

Delta R.T. 0.000 min

Lab File: BN038117.D

Acq: 28 Oct 2025 16:38

Instrument :

BNA_N

ClientSampleId :

SSTDICC5.0

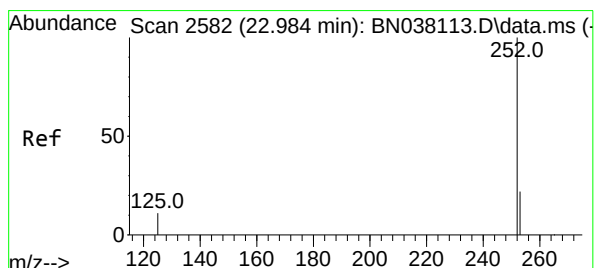
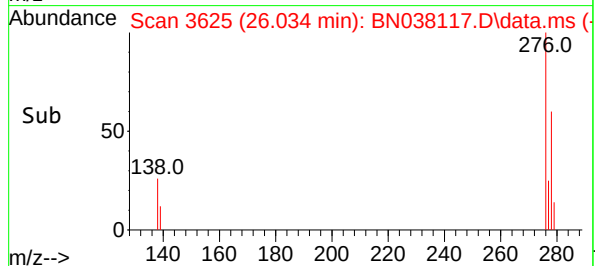
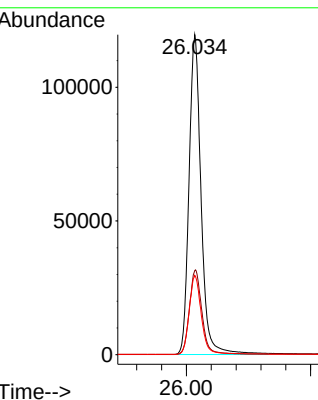
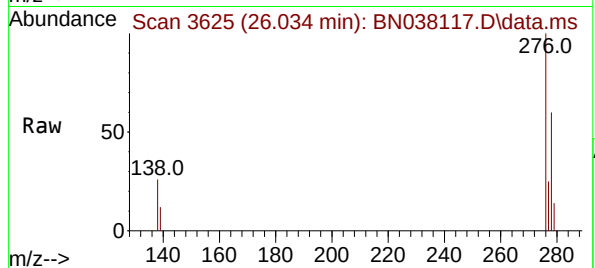
Tgt Ion:276 Resp: 403825

Ion Ratio Lower Upper

276 100

138 27.3 21.4 32.0

277 24.9 19.2 28.8



#37

Benzo(b)fluoranthene

Concen: 5.326 ng

RT: 22.981 min Scan# 2581

Delta R.T. 0.000 min

Lab File: BN038117.D

Acq: 28 Oct 2025 16:38

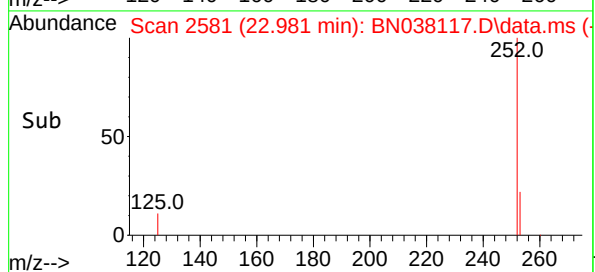
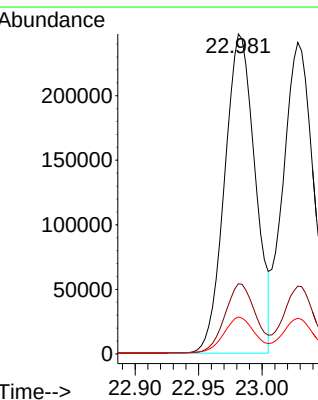
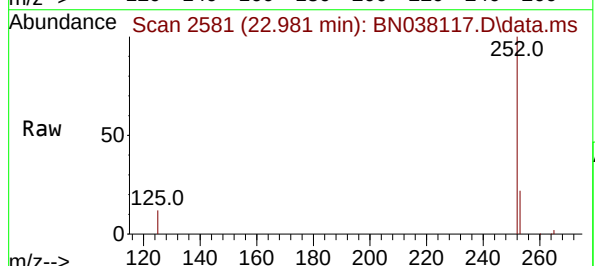
Tgt Ion:252 Resp: 413811

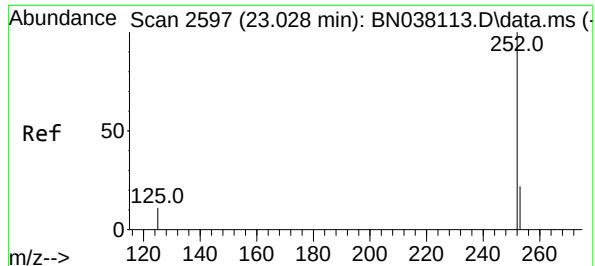
Ion Ratio Lower Upper

252 100

253 22.0 20.9 31.3

125 11.5 14.1 21.1#





#38

Benzo(k)fluoranthene

Concen: 5.387 ng

RT: 23.028 min Scan# 21

Delta R.T. 0.000 min

Lab File: BN038117.D

Acq: 28 Oct 2025 16:38

Instrument :

BNA_N

ClientSampleId :

SSTDICC5.0

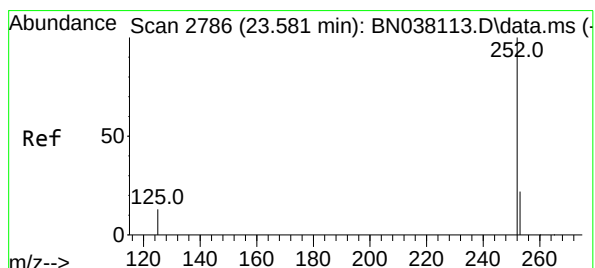
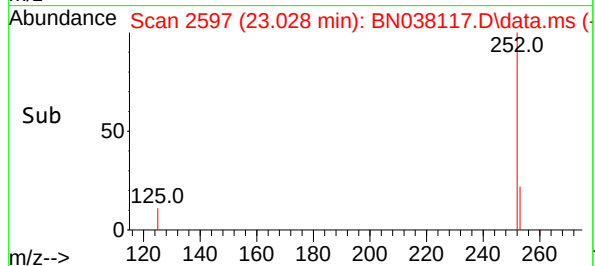
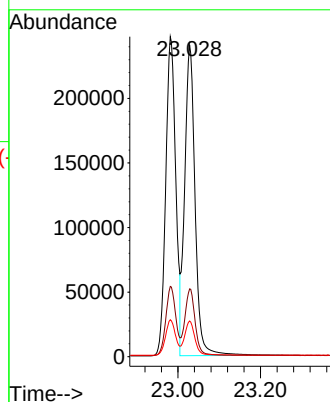
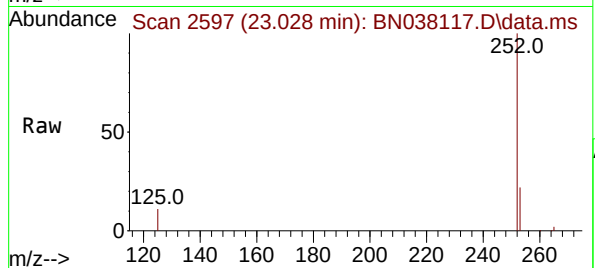
Tgt Ion:252 Resp: 421255

Ion Ratio Lower Upper

252 100

253 21.8 21.2 31.8

125 11.4 14.6 22.0#



#39

Benzo(a)pyrene

Concen: 5.340 ng

RT: 23.578 min Scan# 2785

Delta R.T. 0.000 min

Lab File: BN038117.D

Acq: 28 Oct 2025 16:38

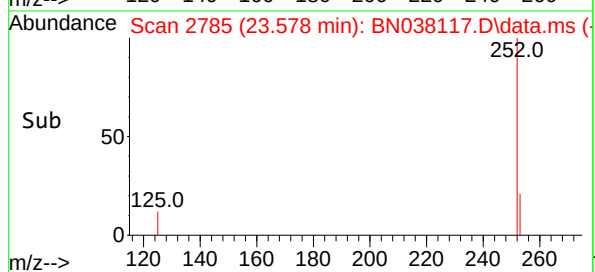
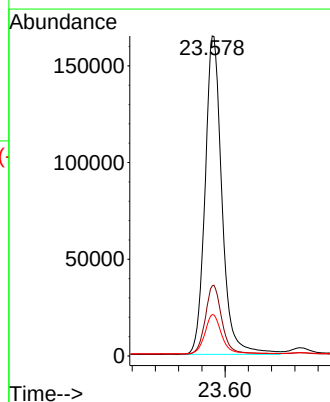
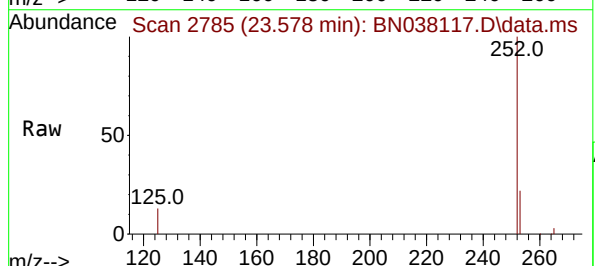
Tgt Ion:252 Resp: 332107

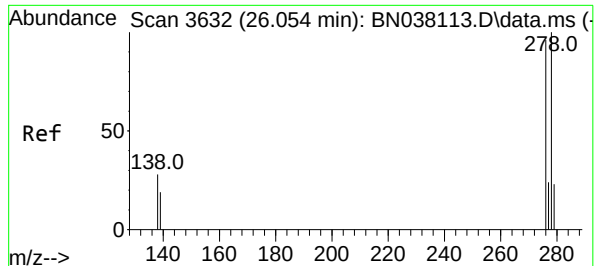
Ion Ratio Lower Upper

252 100

253 21.9 23.1 34.7#

125 12.9 18.6 28.0#





#40

Dibenzo(a,h)anthracene

Concen: 5.545 ng

RT: 26.048 min Scan# 30

Delta R.T. 0.000 min

Lab File: BN038117.D

Acq: 28 Oct 2025 16:38

Instrument :

BNA_N

ClientSampleId :

SSTDICC5.0

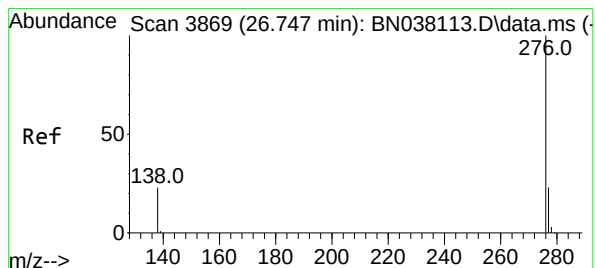
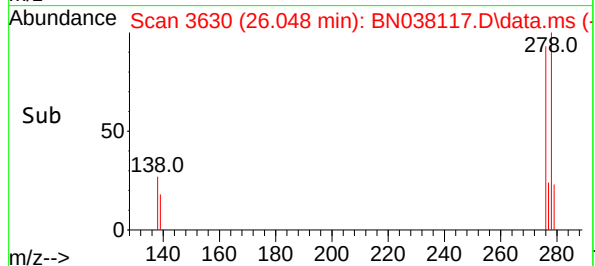
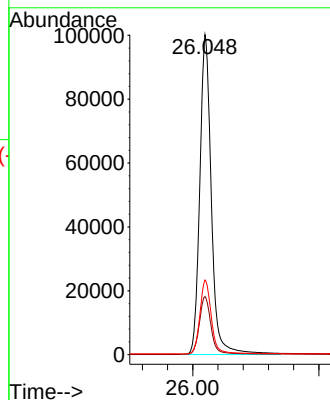
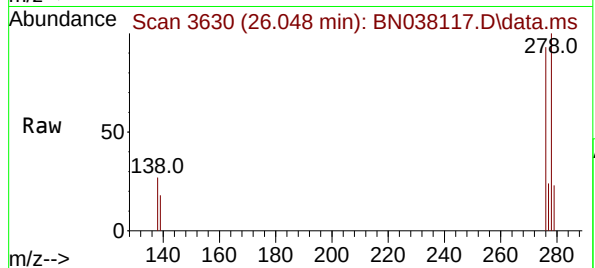
Tgt Ion:278 Resp: 318538

Ion Ratio Lower Upper

278 100

139 18.2 17.6 26.4

279 23.3 22.6 33.8



#41

Benzo(g,h,i)perylene

Concen: 5.223 ng

RT: 26.750 min Scan# 3870

Delta R.T. 0.000 min

Lab File: BN038117.D

Acq: 28 Oct 2025 16:38

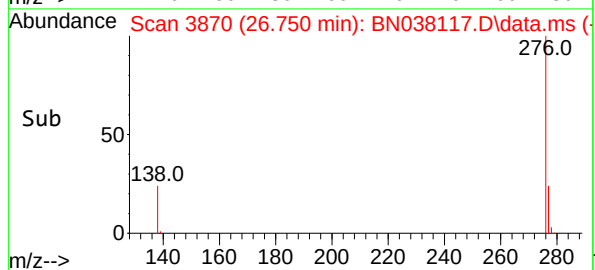
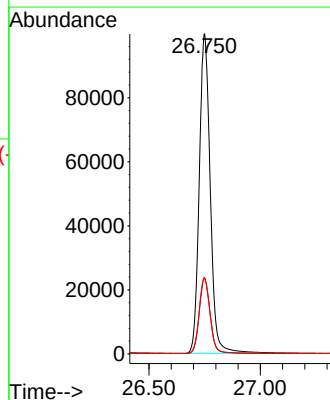
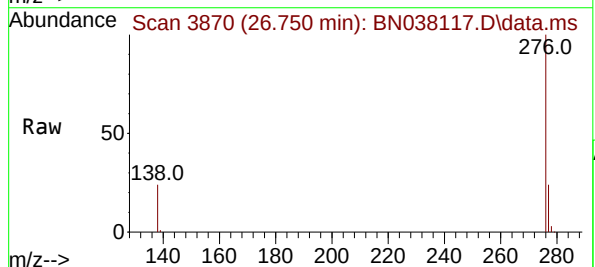
Tgt Ion:276 Resp: 342713

Ion Ratio Lower Upper

276 100

277 23.6 19.7 29.5

138 23.9 20.2 30.4



Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN102825\
 Data File : BN038118.D
 Acq On : 28 Oct 2025 17:51
 Operator : RC/JU
 Sample : SSTDICV0.4
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 ICVBN102825

Quant Time: Oct 29 17:07:11 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)

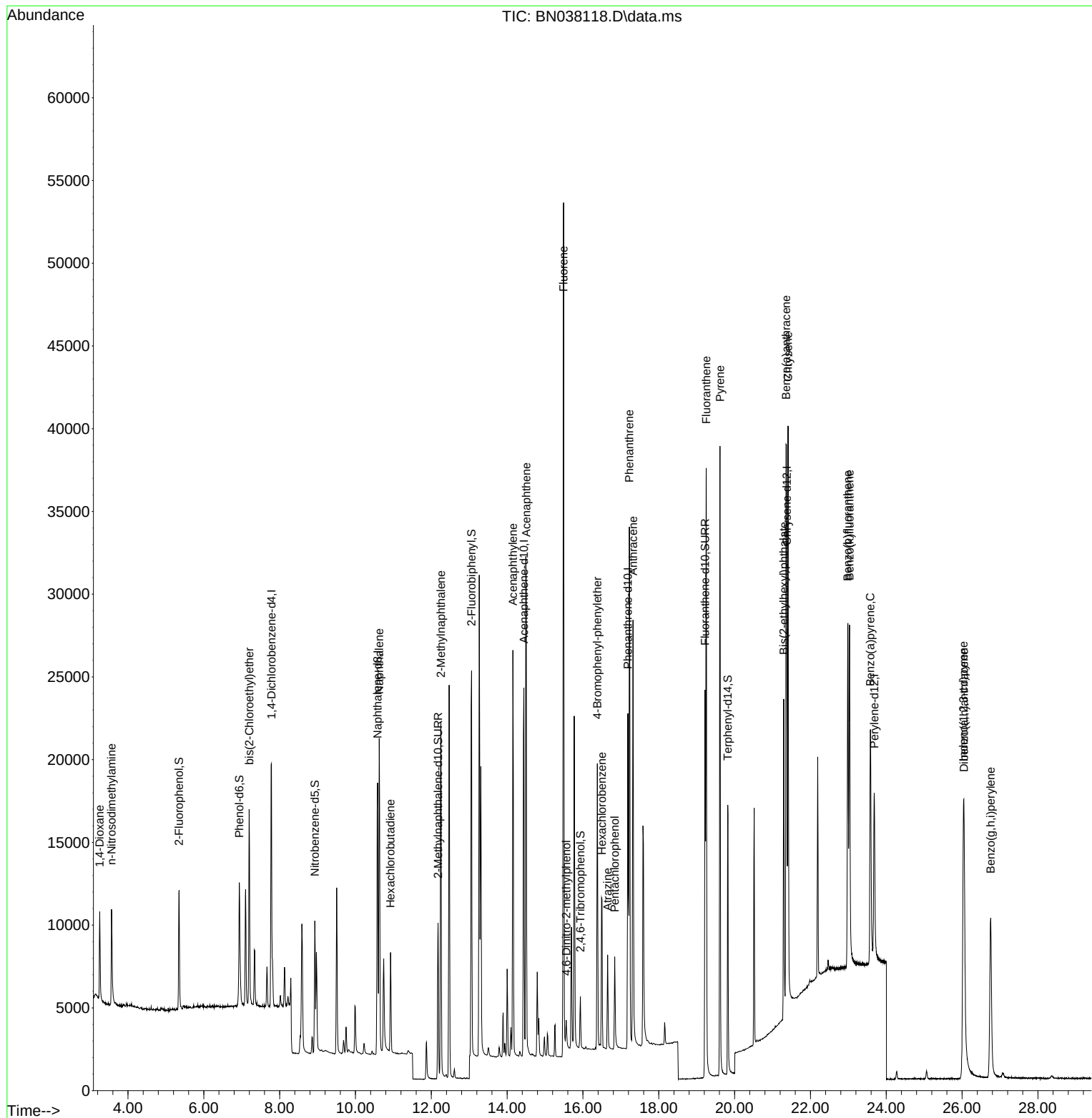
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.782	152	7698	0.400	ng	0.00
7) Naphthalene-d8	10.584	136	23240	0.400	ng	0.01
13) Acenaphthene-d10	14.441	164	13297	0.400	ng	0.01
19) Phenanthrene-d10	17.186	188	26273	0.400	ng	0.00
29) Chrysene-d12	21.375	240	18729	0.400	ng	0.00
35) Perylene-d12	23.683	264	15660	0.400	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.348	112	6665	0.368	ng	0.00
5) Phenol-d6	6.937	99	7743	0.351	ng	0.00
8) Nitrobenzene-d5	8.929	82	6617	0.353	ng	0.00
11) 2-Methylnaphthalene-d10	12.177	152	13607	0.410	ng	0.00
14) 2,4,6-Tribromophenol	15.932	330	1861	0.340	ng	0.00
15) 2-Fluorobiphenyl	13.062	172	21897	0.411	ng	0.01
27) Fluoranthene-d10	19.220	212	25766	0.389	ng	0.00
31) Terphenyl-d14	19.819	244	17430	0.428	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.254	88	3503	0.440	ng	98
3) n-Nitrosodimethylamine	3.564	42	4071	0.398	ng	# 96
6) bis(2-Chloroethyl)ether	7.197	93	9255	0.427	ng	100
9) Naphthalene	10.626	128	26051	0.407	ng	99
10) Hexachlorobutadiene	10.925	225	4702	0.435	ng	# 98
12) 2-Methylnaphthalene	12.253	142	16372	0.384	ng	98
16) Acenaphthylene	14.152	152	27388	0.455	ng	100
17) Acenaphthene	14.505	154	16777	0.398	ng	99
18) Fluorene	15.489	166	22859	0.414	ng	99
20) 4,6-Dinitro-2-methylph...	15.560	198	1138	0.411	ng	90
21) 4-Bromophenyl-phenylether	16.379	248	6886	0.400	ng	99
22) Hexachlorobenzene	16.503	284	8349	0.426	ng	98
23) Atrazine	16.652	200	4672	0.370	ng	99
24) Pentachlorophenol	16.838	266	2963	0.351	ng	97
25) Phenanthrene	17.223	178	33992	0.408	ng	99
26) Anthracene	17.322	178	29654	0.406	ng	99
28) Fluoranthene	19.253	202	35401	0.380	ng	99
30) Pyrene	19.615	202	35647	0.422	ng	100
32) Benzo(a)anthracene	21.358	228	26833	0.402	ng	100
33) Chrysene	21.411	228	31031	0.428	ng	100
34) Bis(2-ethylhexyl)phtha...	21.295	149	12587	0.358	ng	99
36) Indeno(1,2,3-cd)pyrene	26.037	276	26115	0.406	ng	98
37) Benzo(b)fluoranthene	22.984	252	27124	0.405	ng	97
38) Benzo(k)fluoranthene	23.031	252	29583	0.439	ng	98
39) Benzo(a)pyrene	23.581	252	23400	0.437	ng	# 95
40) Dibenzo(a,h)anthracene	26.051	278	19931	0.403	ng	97
41) Benzo(g,h,i)perylene	26.756	276	22180	0.392	ng	98

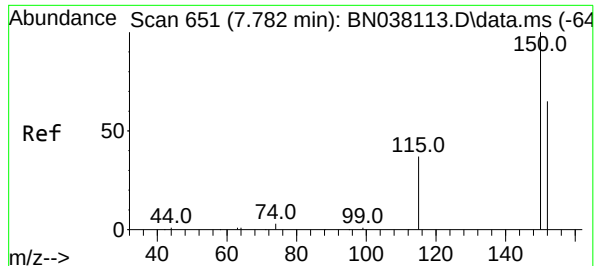
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN102825\
Data File : BN038118.D
Acq On : 28 Oct 2025 17:51
Operator : RC/JU
Sample : SSTDICV0.4
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
ICVBN102825

Quant Time: Oct 29 17:07:11 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

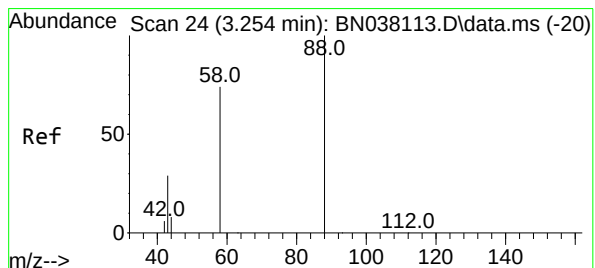
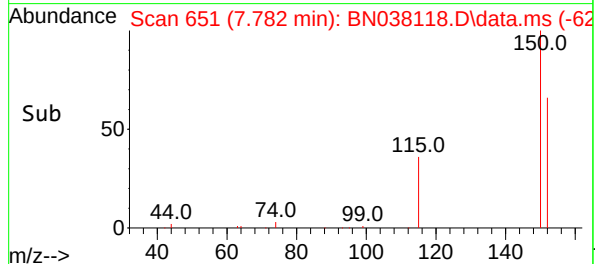
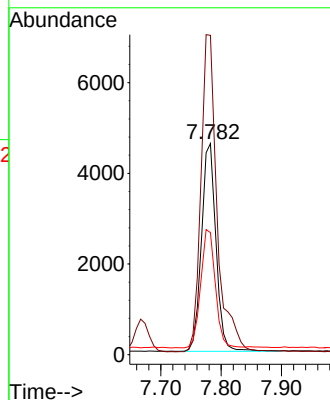
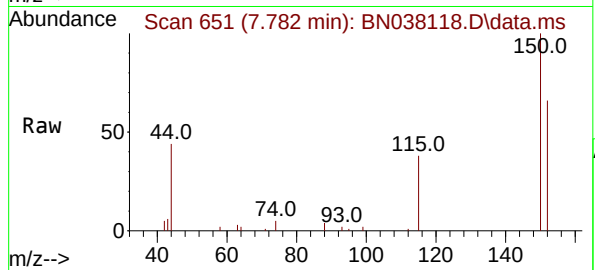




#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.782 min Scan# 61
Delta R.T. 0.007 min
Lab File: BN038118.D
Acq: 28 Oct 2025 17:51

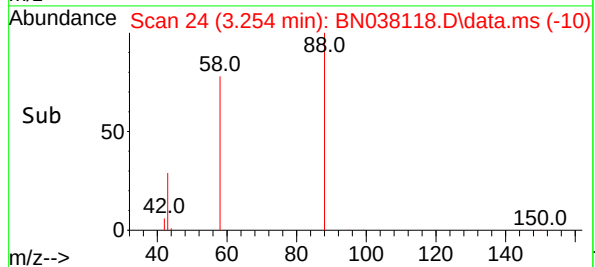
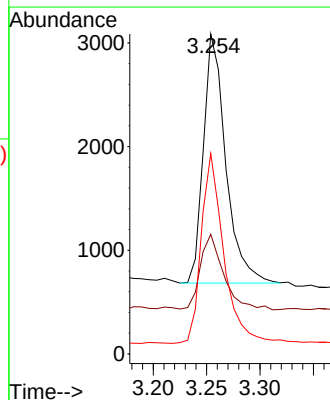
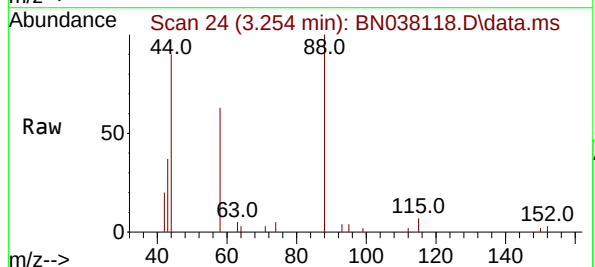
Instrument :
BNA_N
ClientSampleId :
ICVBN102825

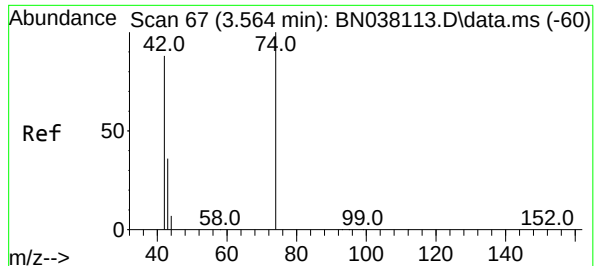
Tgt Ion:152 Resp: 7698
Ion Ratio Lower Upper
152 100
150 151.3 122.3 183.5
115 57.8 47.4 71.0



#2
1,4-Dioxane
Concen: 0.440 ng
RT: 3.254 min Scan# 24
Delta R.T. 0.000 min
Lab File: BN038118.D
Acq: 28 Oct 2025 17:51

Tgt Ion: 88 Resp: 3503
Ion Ratio Lower Upper
88 100
43 31.0 24.3 36.5
58 77.1 60.4 90.6

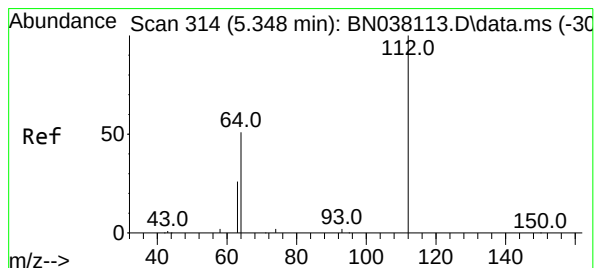
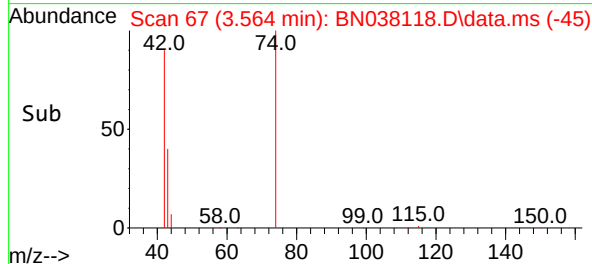
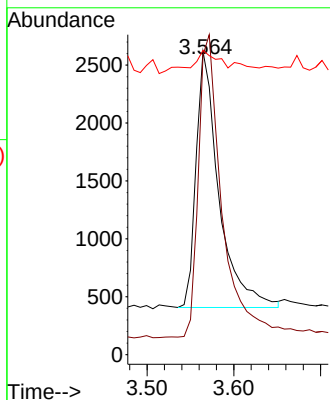
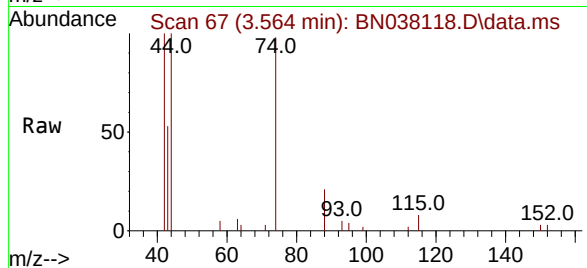




#3
n-Nitrosodimethylamine
Concen: 0.398 ng
RT: 3.564 min Scan# 61
Delta R.T. 0.007 min
Lab File: BN038118.D
Acq: 28 Oct 2025 17:51

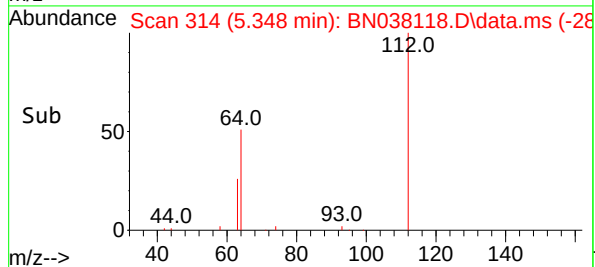
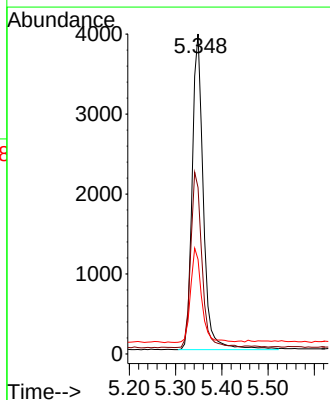
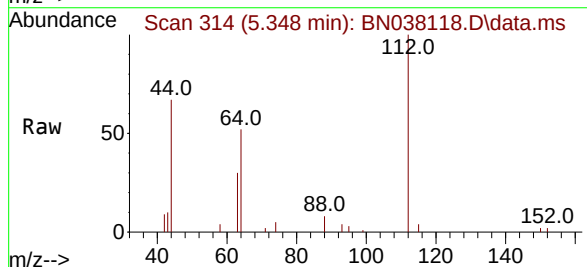
Instrument :
BNA_N
ClientSampleId :
ICVBN102825

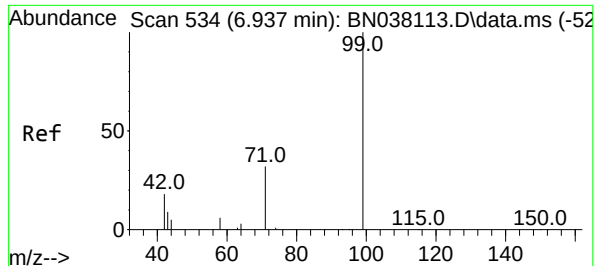
Tgt Ion: 42 Resp: 4071
Ion Ratio Lower Upper
42 100
74 124.8 96.8 145.2
44 10.5 5.3 7.9#



#4
2-Fluorophenol
Concen: 0.368 ng
RT: 5.348 min Scan# 314
Delta R.T. 0.000 min
Lab File: BN038118.D
Acq: 28 Oct 2025 17:51

Tgt Ion: 112 Resp: 6665
Ion Ratio Lower Upper
112 100
64 55.4 45.4 68.0
63 29.1 23.2 34.8

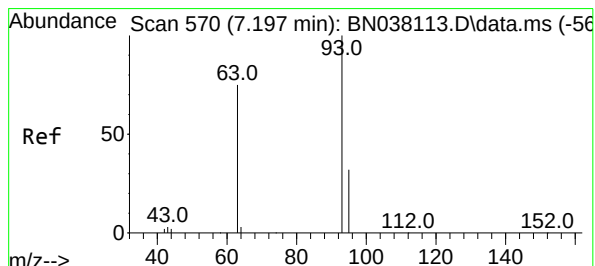
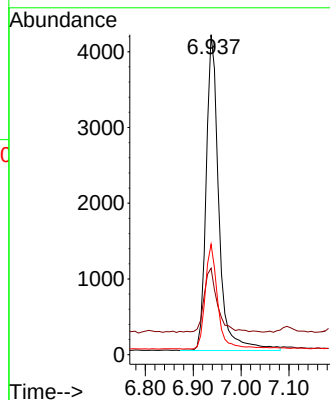
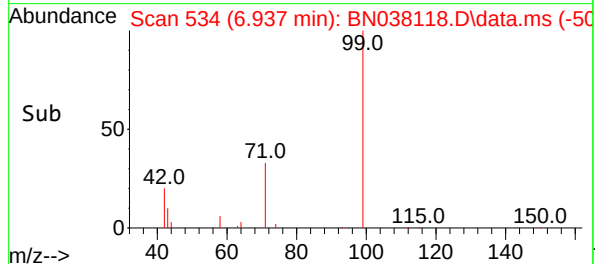
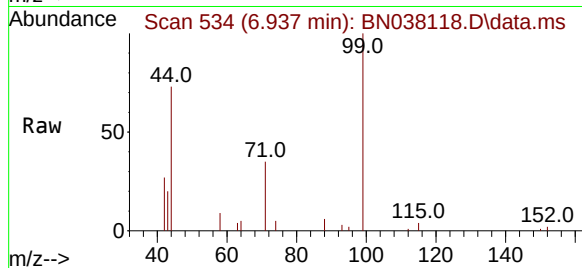




#5
Phenol-d6
Concen: 0.351 ng
RT: 6.937 min Scan# 51
Delta R.T. 0.000 min
Lab File: BN038118.D
Acq: 28 Oct 2025 17:51

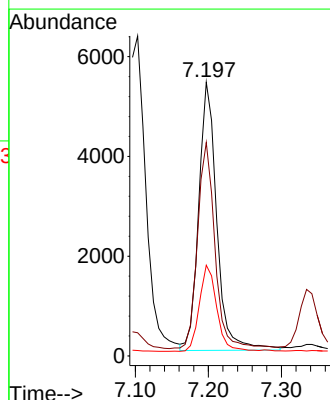
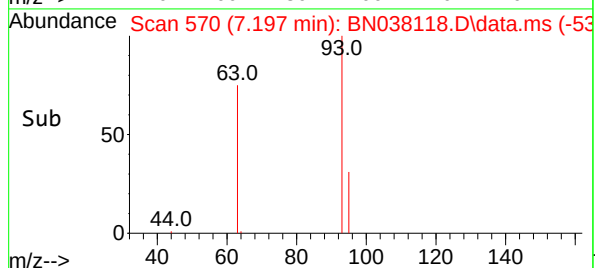
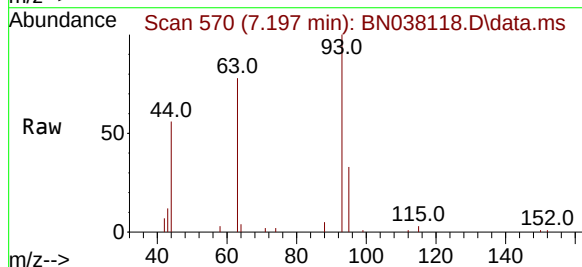
Instrument :
BNA_N
ClientSampleId :
ICVBN102825

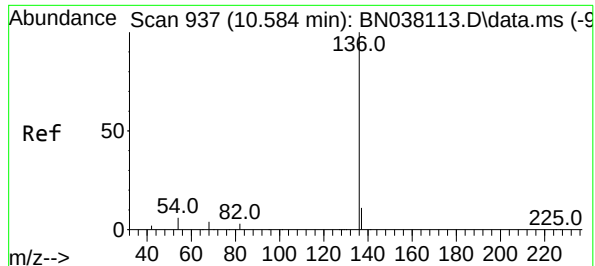
Tgt Ion: 99 Resp: 7743
Ion Ratio Lower Upper
99 100
42 21.1 16.6 24.8
71 33.2 25.4 38.2



#6
bis(2-Chloroethyl)ether
Concen: 0.427 ng
RT: 7.197 min Scan# 570
Delta R.T. 0.000 min
Lab File: BN038118.D
Acq: 28 Oct 2025 17:51

Tgt Ion: 93 Resp: 9255
Ion Ratio Lower Upper
93 100
63 73.9 59.3 88.9
95 30.9 25.2 37.8

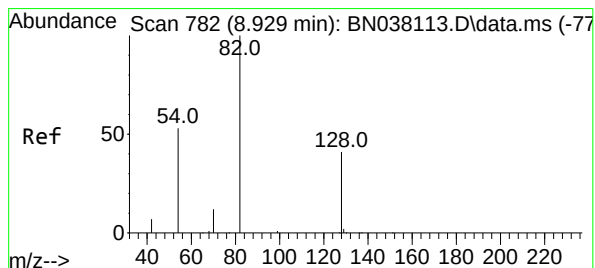
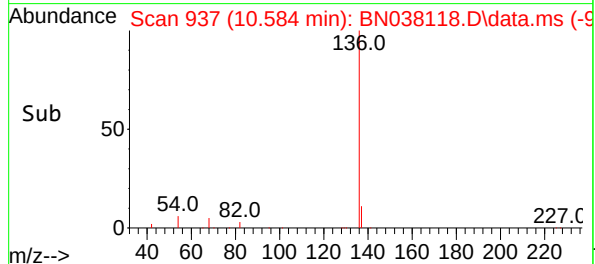
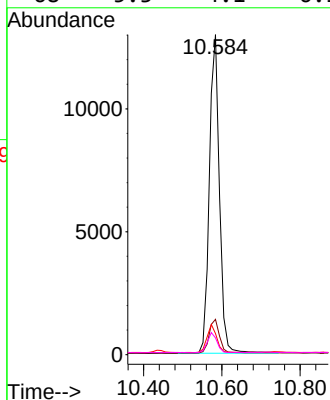
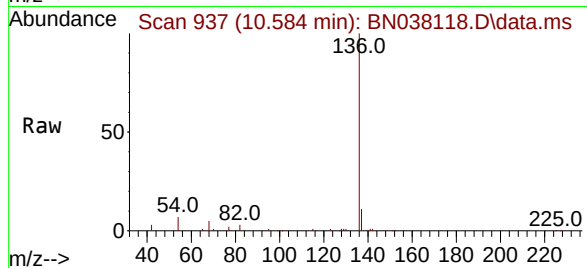




#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.584 min Scan# 91
Delta R.T. 0.011 min
Lab File: BN038118.D
Acq: 28 Oct 2025 17:51

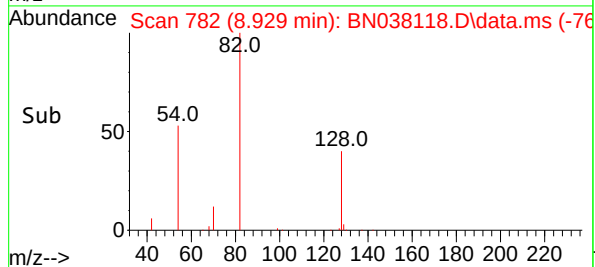
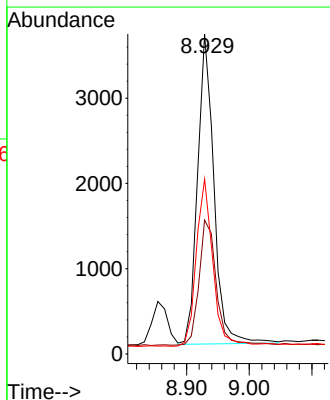
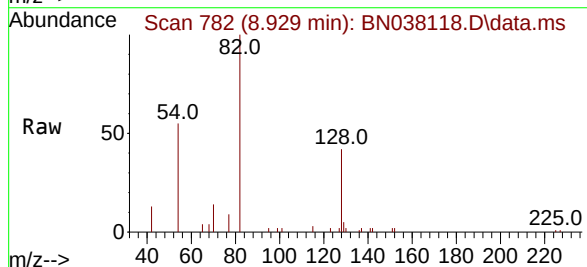
Instrument :
BNA_N
ClientSampleId :
ICVBN102825

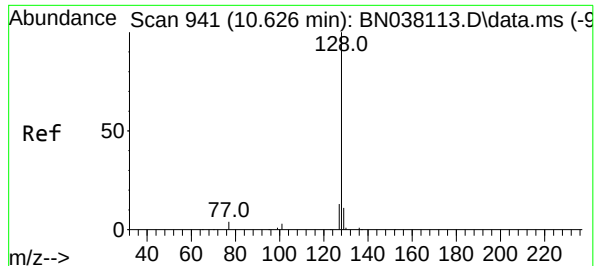
Tgt Ion:	136	Resp:	23240
Ion	Ratio	Lower	Upper
136	100		
137	11.1	9.0	13.4
54	6.6	5.2	7.8
68	5.3	4.1	6.1



#8
Nitrobenzene-d5
Concen: 0.353 ng
RT: 8.929 min Scan# 782
Delta R.T. 0.000 min
Lab File: BN038118.D
Acq: 28 Oct 2025 17:51

Tgt Ion:	82	Resp:	6617
Ion	Ratio	Lower	Upper
82	100		
128	41.8	34.1	51.1
54	54.7	43.5	65.3

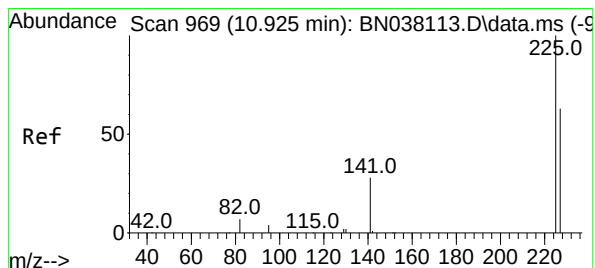
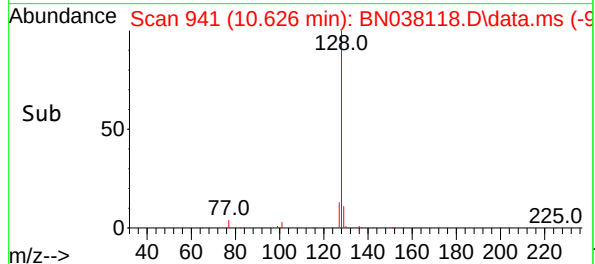
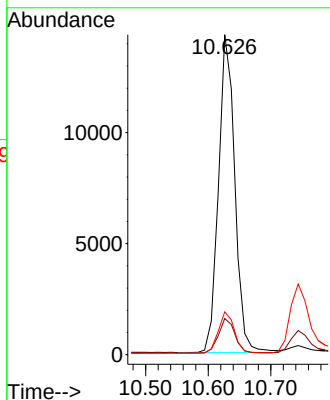
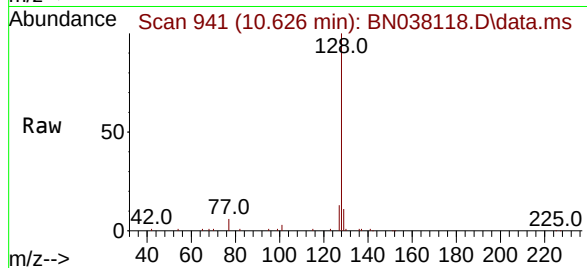




#9
Naphthalene
Concen: 0.407 ng
RT: 10.626 min Scan# 941
Delta R.T. 0.000 min
Lab File: BN038118.D
Acq: 28 Oct 2025 17:51

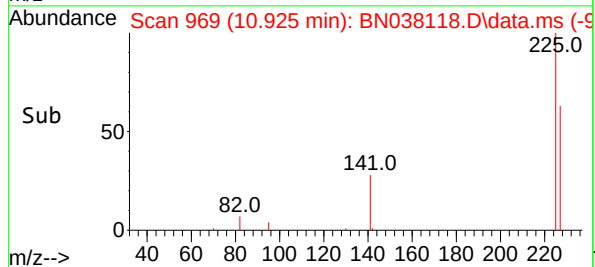
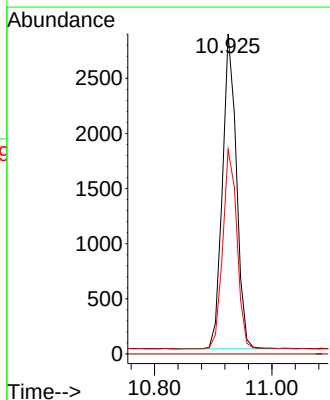
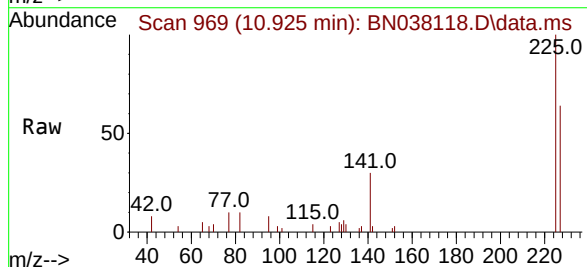
Instrument :
BNA_N
ClientSampleId :
ICVBN102825

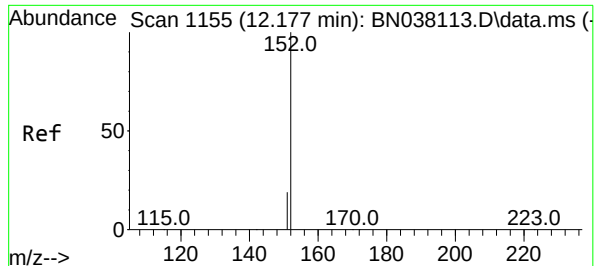
Tgt Ion	128	129	127
Resp:	26051		
Ion Ratio	100	11.3	13.4
Lower		9.1	10.5
Upper		13.7	15.7



#10
Hexachlorobutadiene
Concen: 0.435 ng
RT: 10.925 min Scan# 969
Delta R.T. 0.000 min
Lab File: BN038118.D
Acq: 28 Oct 2025 17:51

Tgt Ion	225	223	227
Resp:	4702		
Ion Ratio	100	0.0	64.4
Lower		0.0	50.3
Upper		0.0	75.5

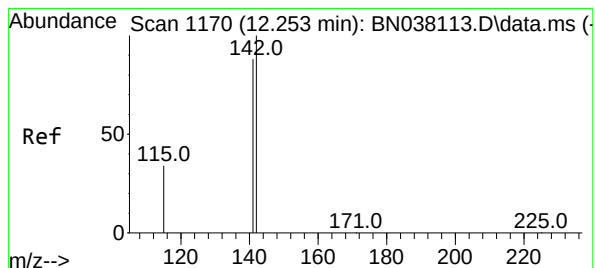
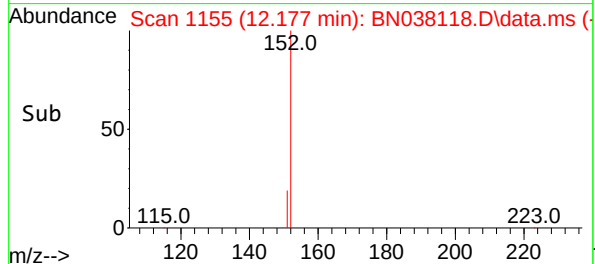
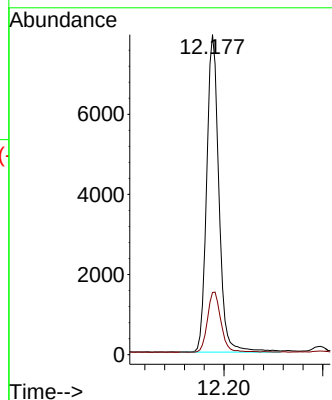
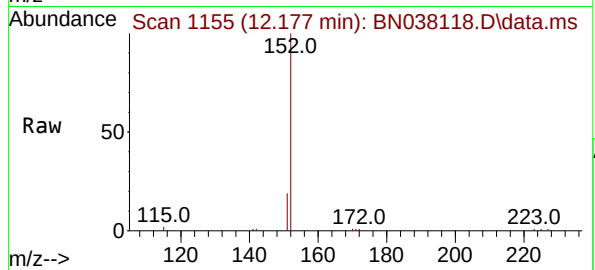




#11
2-Methylnaphthalene-d10
Concen: 0.410 ng
RT: 12.177 min Scan# 1155
Delta R.T. 0.000 min
Lab File: BN038118.D
Acq: 28 Oct 2025 17:51

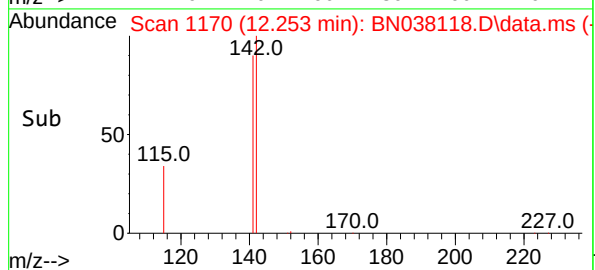
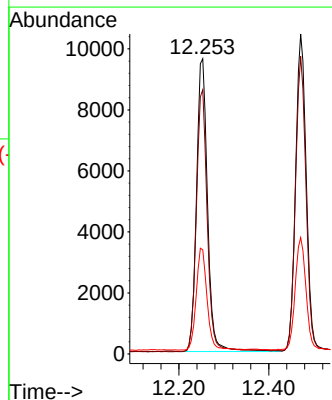
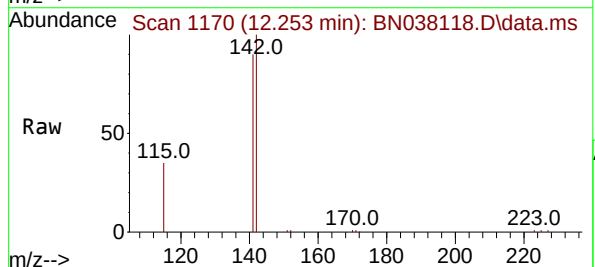
Instrument :
BNA_N
ClientSampleId :
ICVBN102825

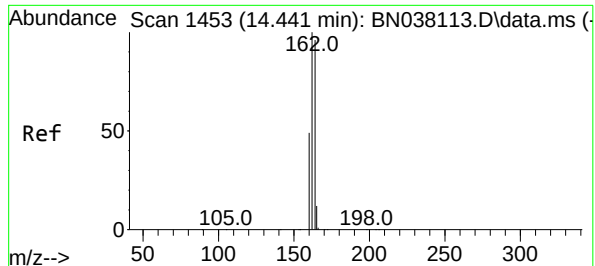
Tgt Ion:152 Resp: 13607
Ion Ratio Lower Upper
152 100
151 21.0 16.8 25.2



#12
2-Methylnaphthalene
Concen: 0.384 ng
RT: 12.253 min Scan# 1170
Delta R.T. 0.005 min
Lab File: BN038118.D
Acq: 28 Oct 2025 17:51

Tgt Ion:142 Resp: 16372
Ion Ratio Lower Upper
142 100
141 89.5 70.3 105.5
115 35.3 27.8 41.6

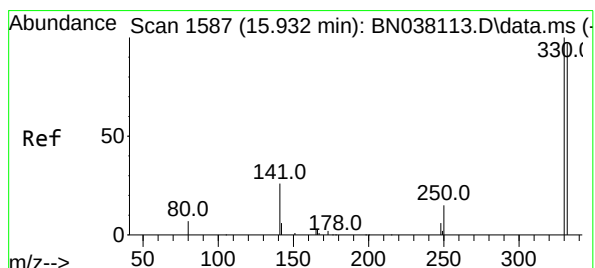
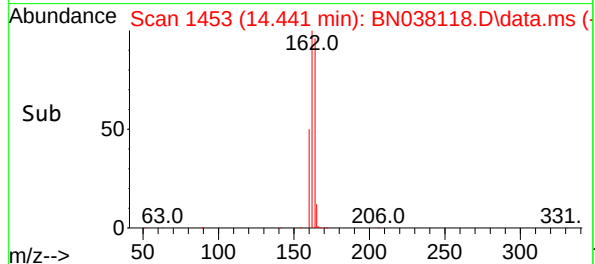
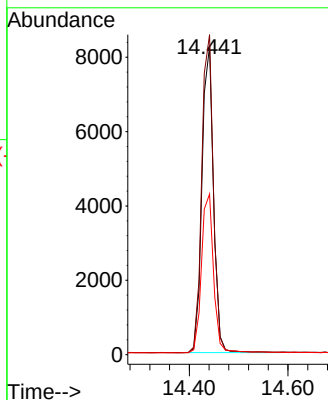
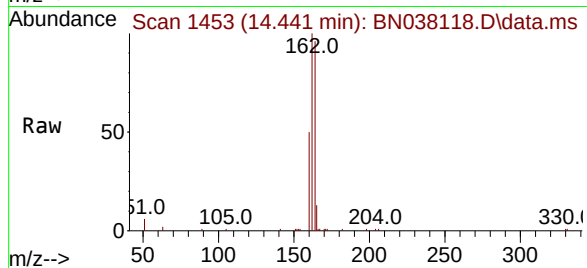




#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.441 min Scan# 1453
Delta R.T. 0.011 min
Lab File: BN038118.D
Acq: 28 Oct 2025 17:51

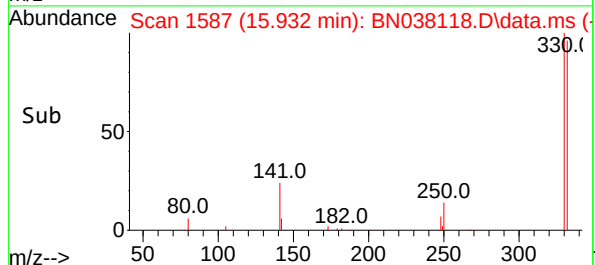
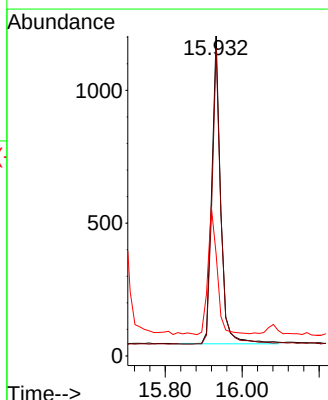
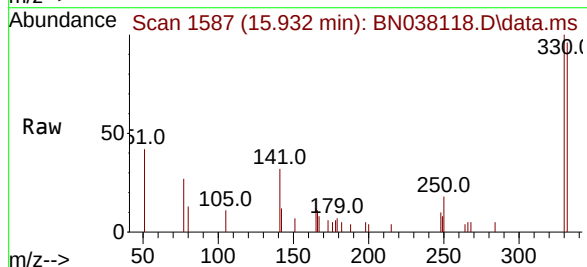
Instrument :
BNA_N
ClientSampleId :
ICVBN102825

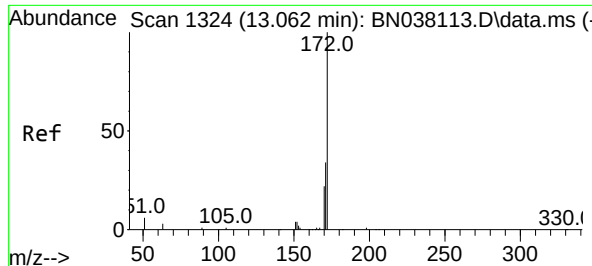
Tgt Ion:164 Resp: 13297
Ion Ratio Lower Upper
164 100
162 103.7 83.0 124.4
160 52.0 40.7 61.1



#14
2,4,6-Tribromophenol
Concen: 0.340 ng
RT: 15.932 min Scan# 1587
Delta R.T. 0.000 min
Lab File: BN038118.D
Acq: 28 Oct 2025 17:51

Tgt Ion:330 Resp: 1861
Ion Ratio Lower Upper
330 100
332 94.5 76.6 114.8
141 43.0 34.1 51.1

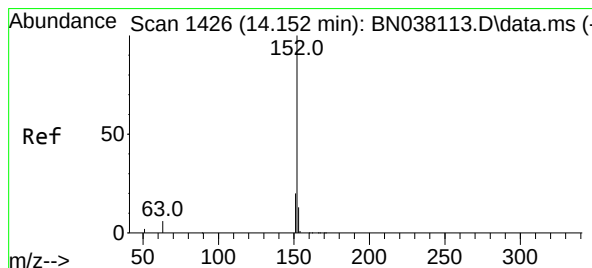
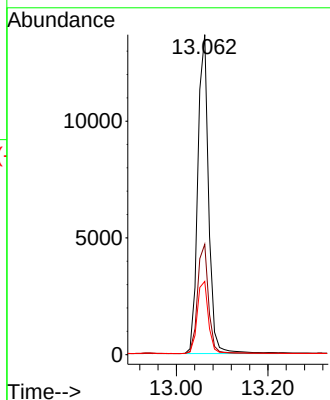
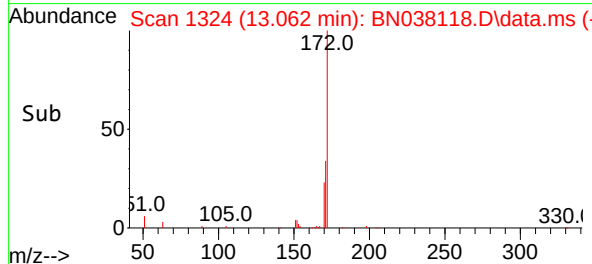
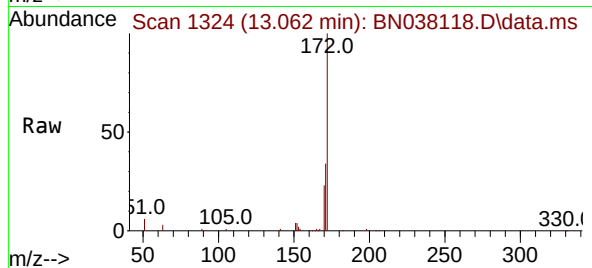




#15
2-Fluorobiphenyl
Concen: 0.411 ng
RT: 13.062 min Scan# 1324
Delta R.T. 0.011 min
Lab File: BN038118.D
Acq: 28 Oct 2025 17:51

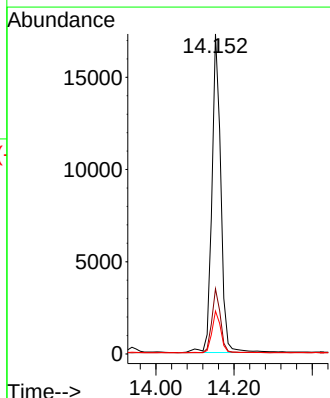
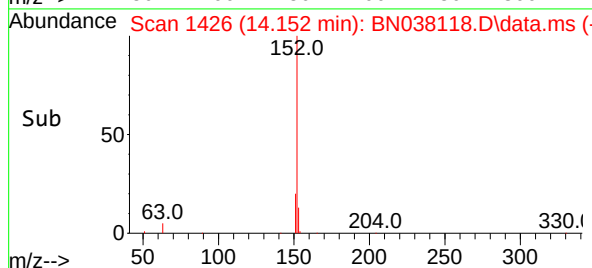
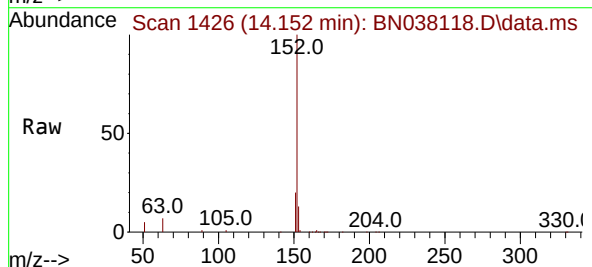
Instrument :
BNA_N
ClientSampleId :
ICVBN102825

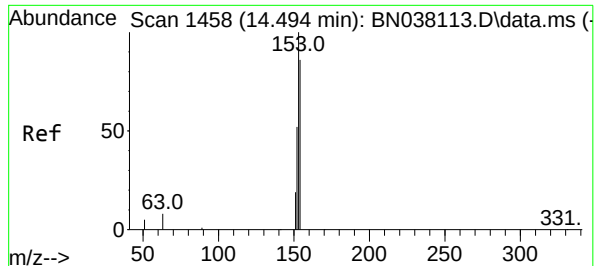
Tgt Ion	Ratio	Lower	Upper
172	100		
171	34.5	27.8	41.6
170	22.9	18.1	27.1



#16
Acenaphthylene
Concen: 0.455 ng
RT: 14.152 min Scan# 1426
Delta R.T. 0.000 min
Lab File: BN038118.D
Acq: 28 Oct 2025 17:51

Tgt Ion	Ratio	Lower	Upper
152	100		
151	19.8	15.8	23.8
153	13.2	10.2	15.2

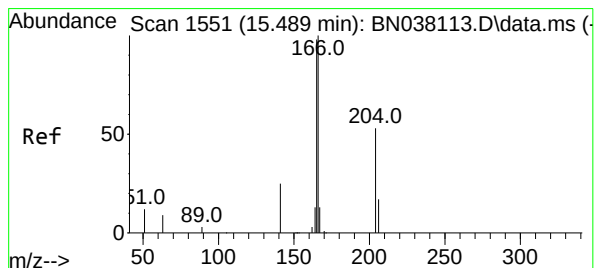
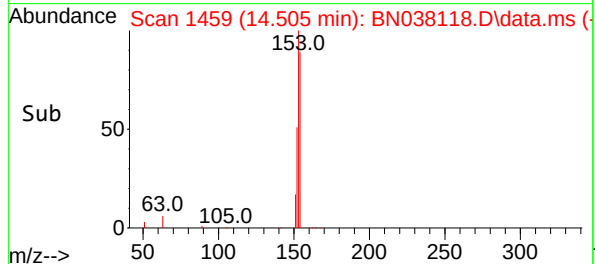
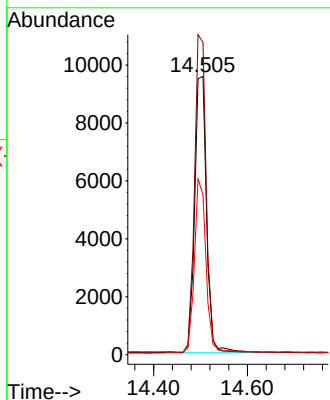
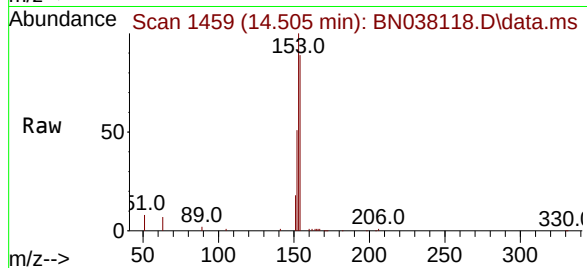




#17
Acenaphthene
Concen: 0.398 ng
RT: 14.505 min Scan# 1459
Delta R.T. 0.011 min
Lab File: BN038118.D
Acq: 28 Oct 2025 17:51

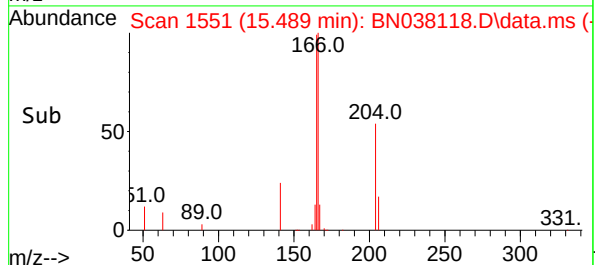
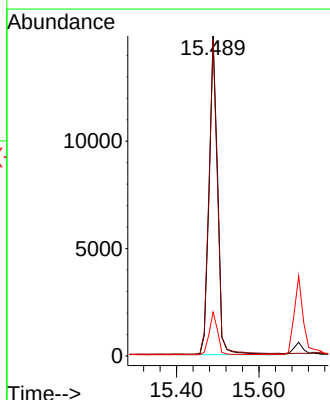
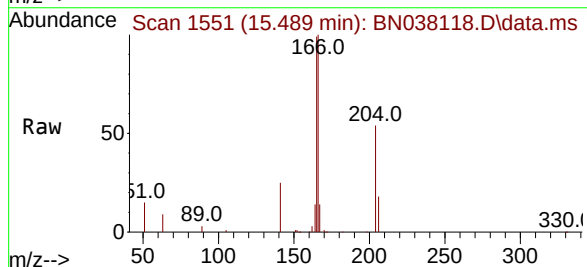
Instrument :
BNA_N
ClientSampleId :
ICVBN102825

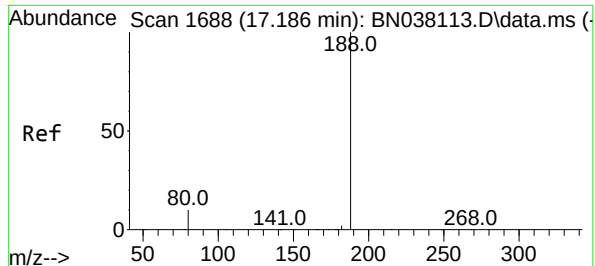
Tgt Ion:154 Resp: 16777
Ion Ratio Lower Upper
154 100
153 113.6 90.0 135.0
152 60.6 47.3 70.9



#18
Fluorene
Concen: 0.414 ng
RT: 15.489 min Scan# 1551
Delta R.T. -0.000 min
Lab File: BN038118.D
Acq: 28 Oct 2025 17:51

Tgt Ion:166 Resp: 22859
Ion Ratio Lower Upper
166 100
165 99.9 79.0 118.4
167 13.4 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: BN038118.D

Acq: 28 Oct 2025 17:51

Instrument :

BNA_N

ClientSampleId :

ICVBN102825

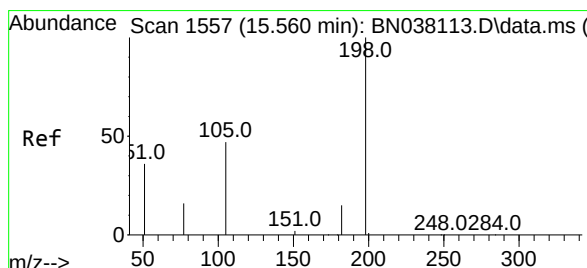
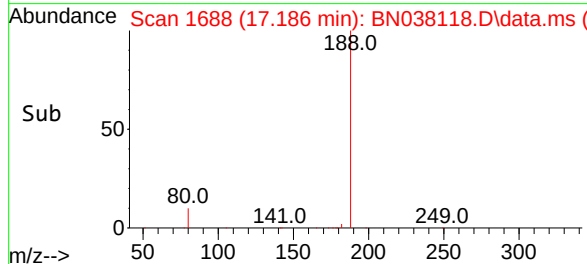
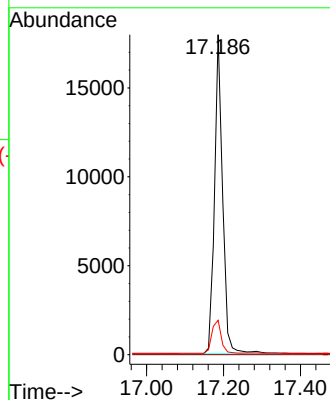
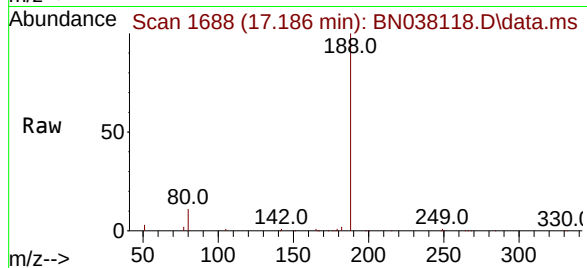
Tgt Ion:188 Resp: 26273

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

80 10.7 8.6 13.0



#20

4,6-Dinitro-2-methylphenol

Concen: 0.411 ng

RT: 15.560 min Scan# 1557

Delta R.T. -0.000 min

Lab File: BN038118.D

Acq: 28 Oct 2025 17:51

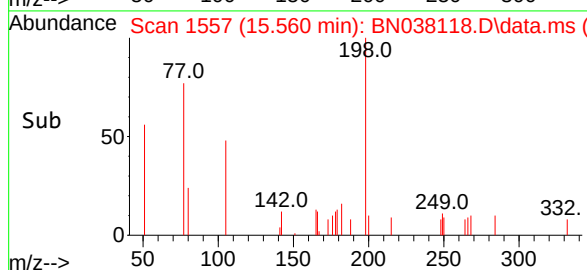
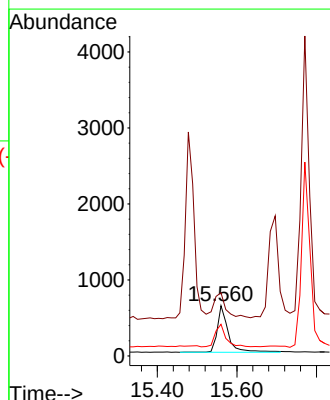
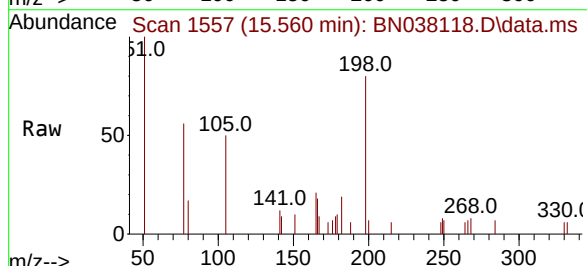
Tgt Ion:198 Resp: 1138

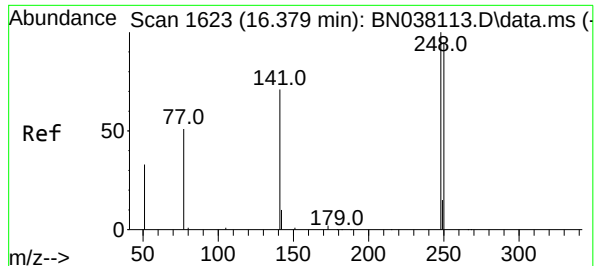
Ion Ratio Lower Upper

198 100

51 125.7 88.9 133.3

105 63.1 49.2 73.8

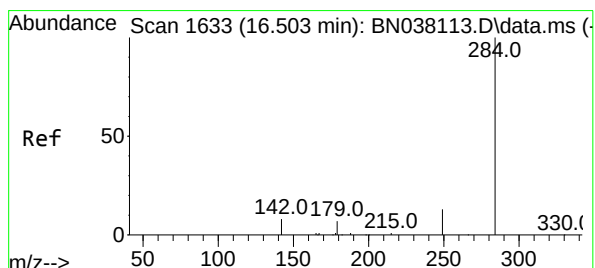
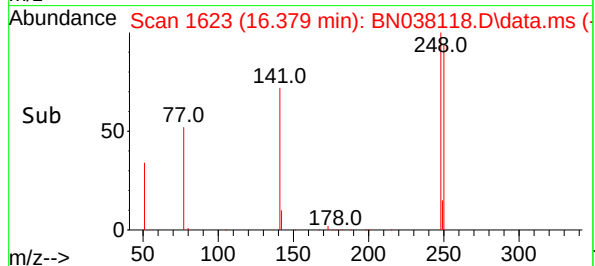
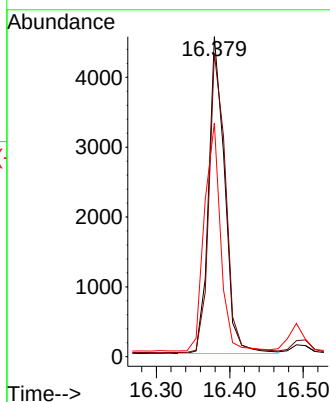
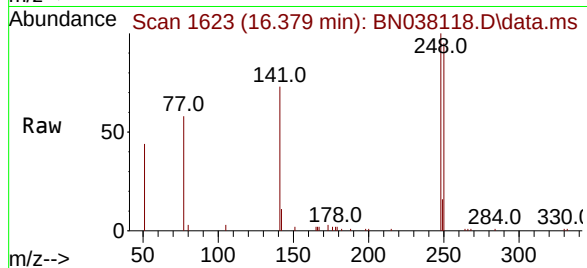




#21
4-Bromophenyl-phenylether
Concen: 0.400 ng
RT: 16.379 min Scan# 1623
Delta R.T. 0.000 min
Lab File: BN038118.D
Acq: 28 Oct 2025 17:51

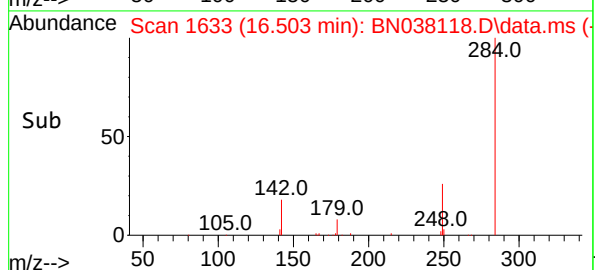
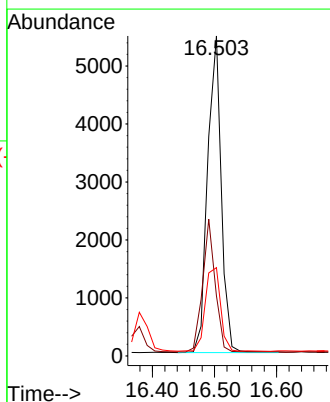
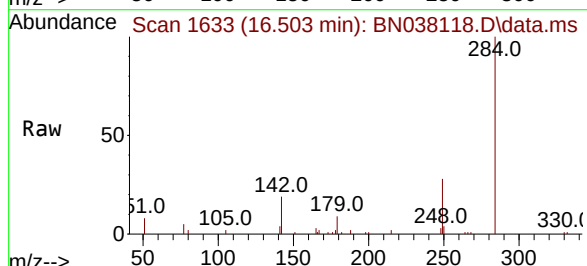
Instrument :
BNA_N
ClientSampleId :
ICVBN102825

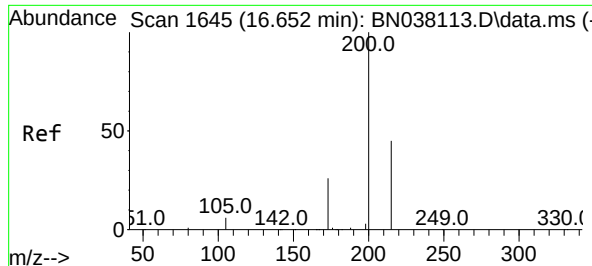
Tgt Ion	Ratio	Lower	Upper
248	100		
250	94.8	76.2	114.2
141	73.0	57.6	86.4



#22
Hexachlorobenzene
Concen: 0.426 ng
RT: 16.503 min Scan# 1633
Delta R.T. 0.000 min
Lab File: BN038118.D
Acq: 28 Oct 2025 17:51

Tgt Ion	Ratio	Lower	Upper
284	100		
142	39.2	30.5	45.7
249	30.0	23.5	35.3

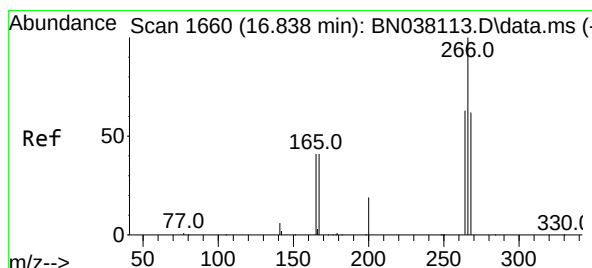
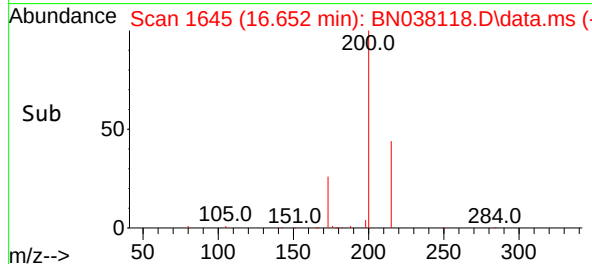
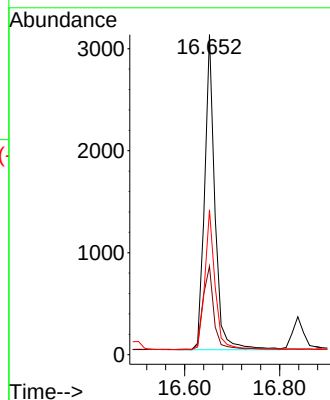
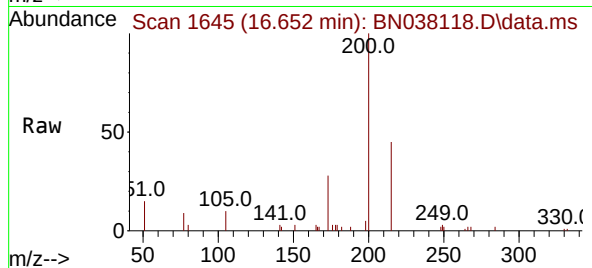




#23
Atrazine
Concen: 0.370 ng
RT: 16.652 min Scan# 1645
Delta R.T. 0.000 min
Lab File: BN038118.D
Acq: 28 Oct 2025 17:51

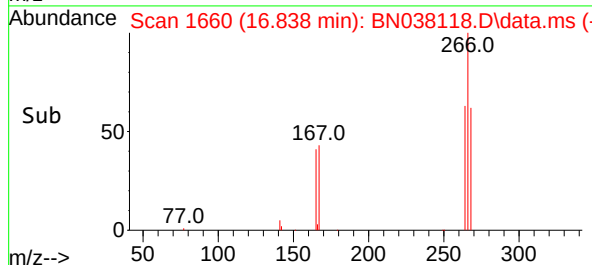
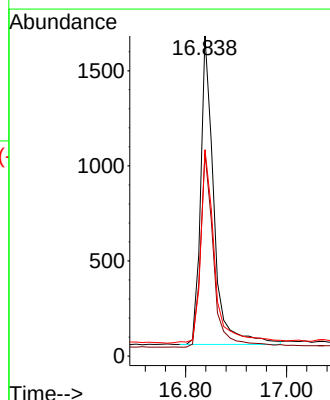
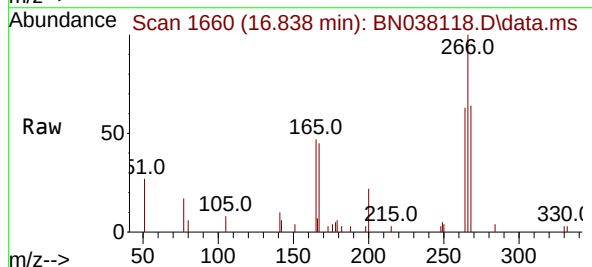
Instrument :
BNA_N
ClientSampleId :
ICVBN102825

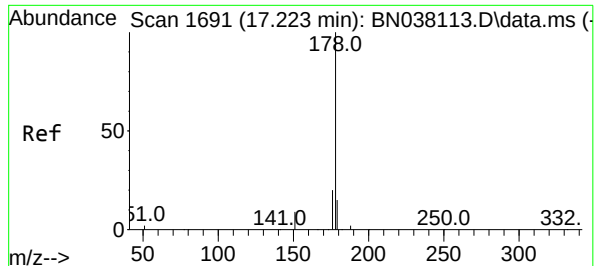
Tgt Ion:200 Resp: 4672
Ion Ratio Lower Upper
200 100
173 27.7 21.4 32.2
215 45.3 36.7 55.1



#24
Pentachlorophenol
Concen: 0.351 ng
RT: 16.838 min Scan# 1660
Delta R.T. 0.000 min
Lab File: BN038118.D
Acq: 28 Oct 2025 17:51

Tgt Ion:266 Resp: 2963
Ion Ratio Lower Upper
266 100
264 62.7 49.3 73.9
268 66.0 50.6 75.8

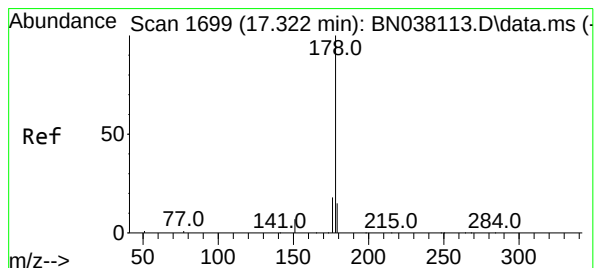
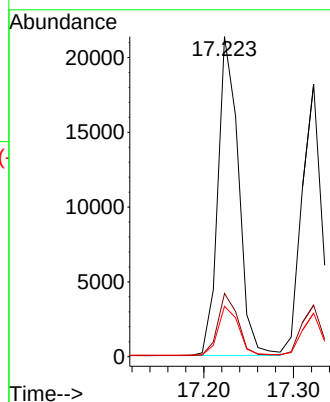
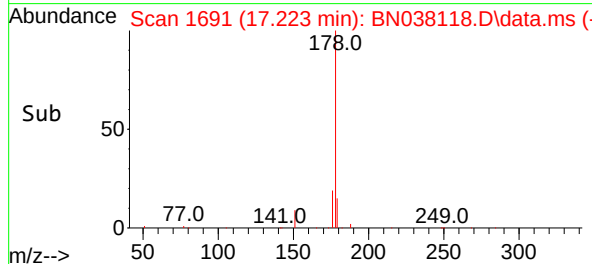
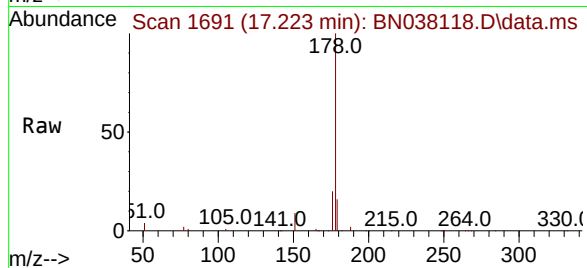




#25
Phenanthrene
Concen: 0.408 ng
RT: 17.223 min Scan# 1691
Delta R.T. 0.000 min
Lab File: BN038118.D
Acq: 28 Oct 2025 17:51

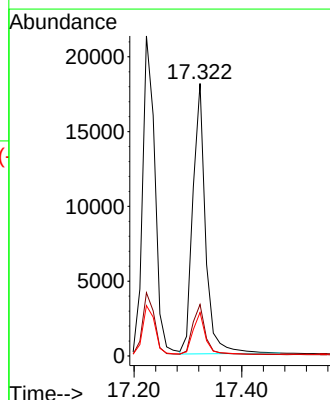
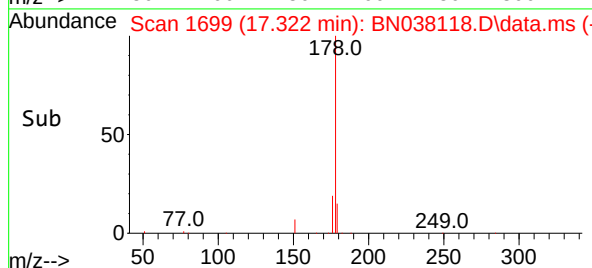
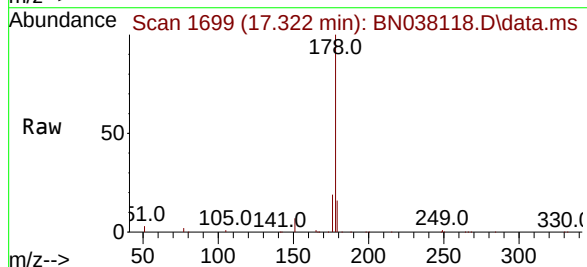
Instrument :
BNA_N
ClientSampleId :
ICVBN102825

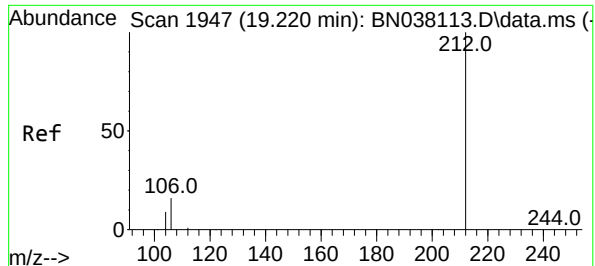
Tgt Ion:178 Resp: 33992
Ion Ratio Lower Upper
178 100
176 19.2 15.5 23.3
179 15.7 12.2 18.4



#26
Anthracene
Concen: 0.406 ng
RT: 17.322 min Scan# 1699
Delta R.T. 0.000 min
Lab File: BN038118.D
Acq: 28 Oct 2025 17:51

Tgt Ion:178 Resp: 29654
Ion Ratio Lower Upper
178 100
176 18.8 14.9 22.3
179 15.3 11.8 17.8





#27

Fluoranthene-d10

Concen: 0.389 ng

RT: 19.220 min Scan# 1947

Delta R.T. 0.000 min

Lab File: BN038118.D

Acq: 28 Oct 2025 17:51

Instrument :

BNA_N

ClientSampleId :

ICVBN102825

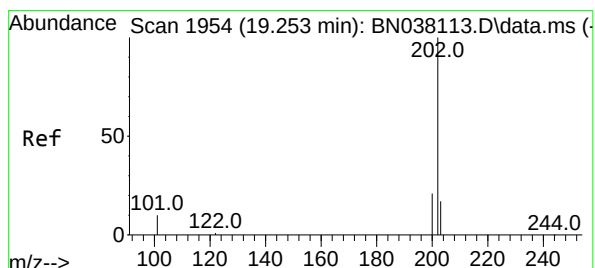
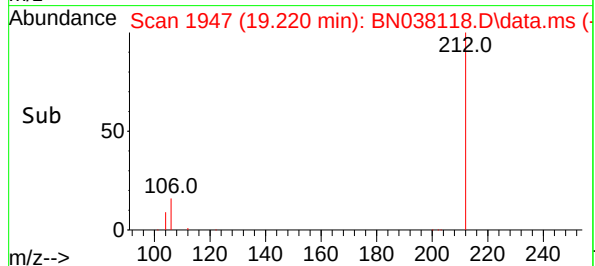
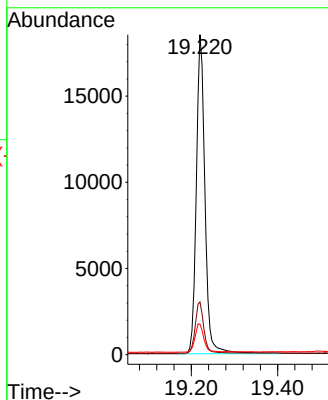
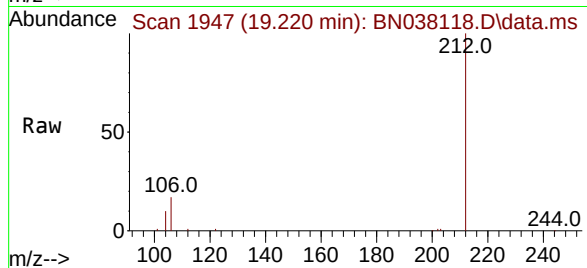
Tgt Ion:212 Resp: 25766

Ion Ratio Lower Upper

212 100

106 16.1 12.6 19.0

104 9.0 7.1 10.7



#28

Fluoranthene

Concen: 0.380 ng

RT: 19.253 min Scan# 1954

Delta R.T. 0.000 min

Lab File: BN038118.D

Acq: 28 Oct 2025 17:51

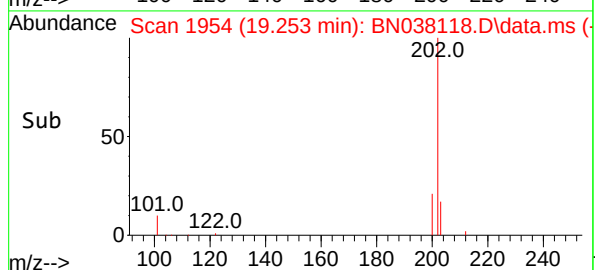
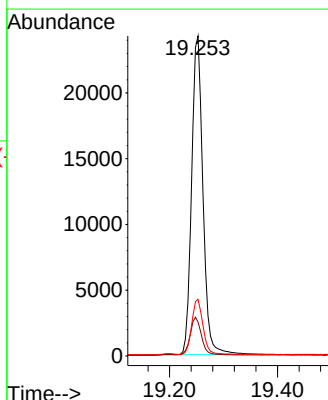
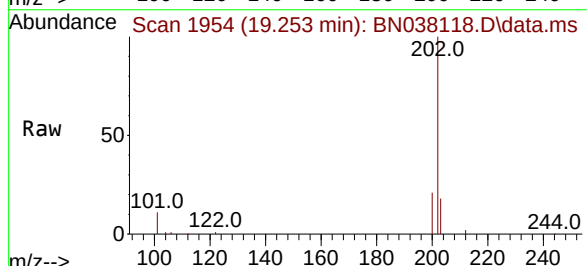
Tgt Ion:202 Resp: 35401

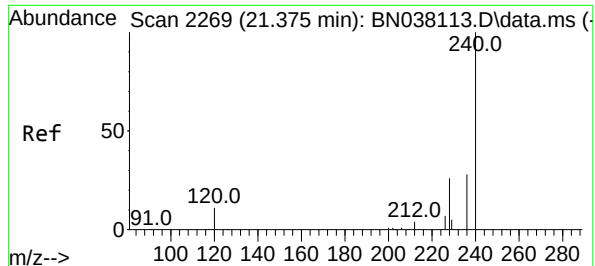
Ion Ratio Lower Upper

202 100

101 11.5 9.4 14.2

203 17.1 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: BN038118.D

Acq: 28 Oct 2025 17:51

Instrument :

BNA_N

ClientSampleId :

ICVBN102825

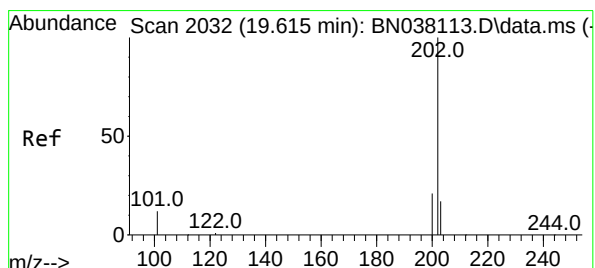
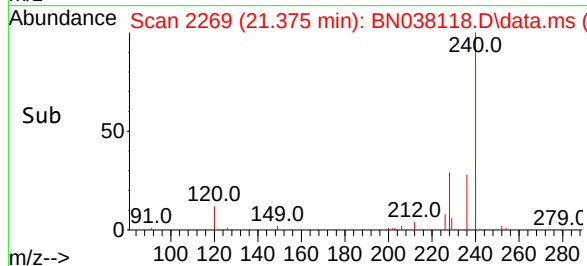
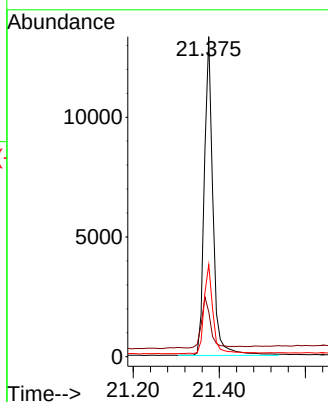
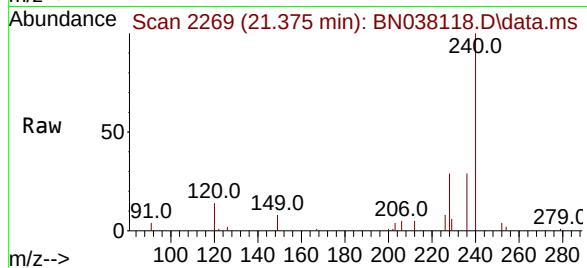
Tgt Ion:240 Resp: 18729

Ion Ratio Lower Upper

240 100

120 14.0 10.7 16.1

236 28.8 23.1 34.7



#30

Pyrene

Concen: 0.422 ng

RT: 19.615 min Scan# 2032

Delta R.T. 0.005 min

Lab File: BN038118.D

Acq: 28 Oct 2025 17:51

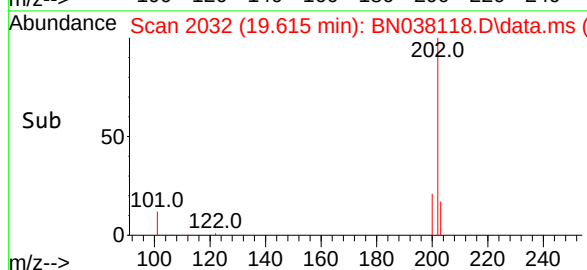
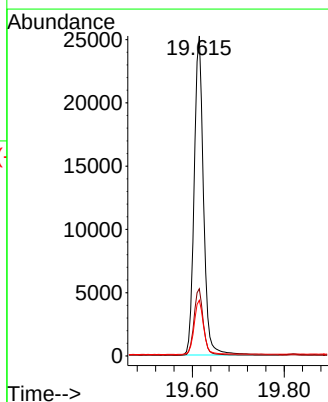
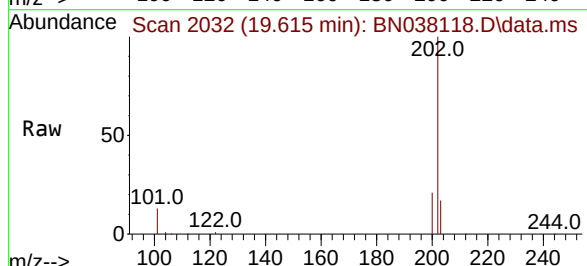
Tgt Ion:202 Resp: 35647

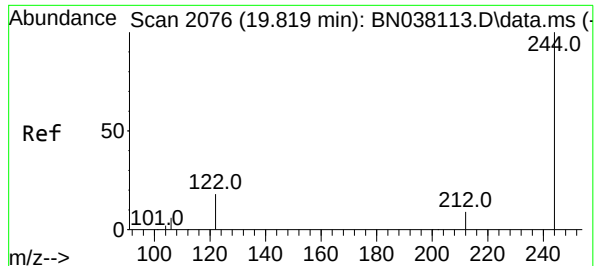
Ion Ratio Lower Upper

202 100

200 21.0 16.7 25.1

203 17.6 14.2 21.2

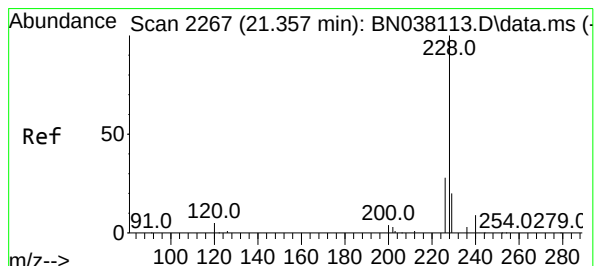
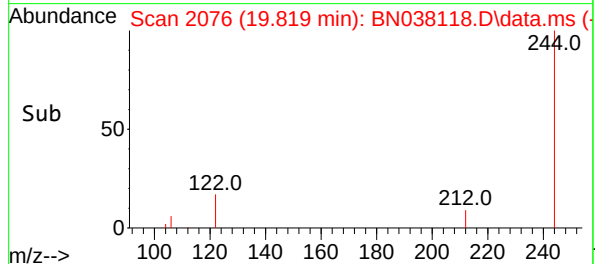
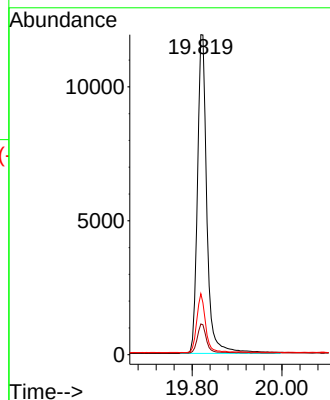
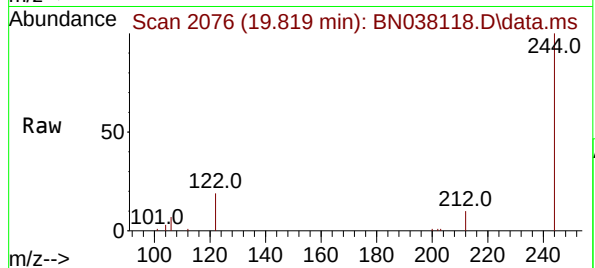




#31
Terphenyl-d14
Concen: 0.428 ng
RT: 19.819 min Scan# 2076
Delta R.T. 0.000 min
Lab File: BN038118.D
Acq: 28 Oct 2025 17:51

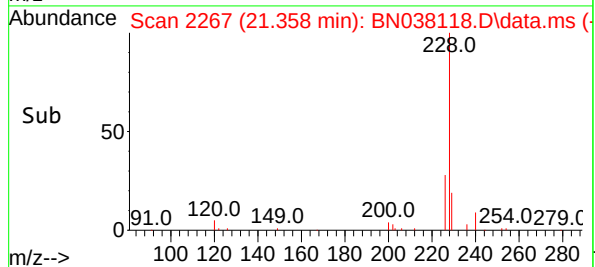
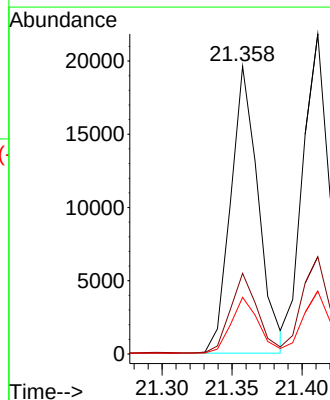
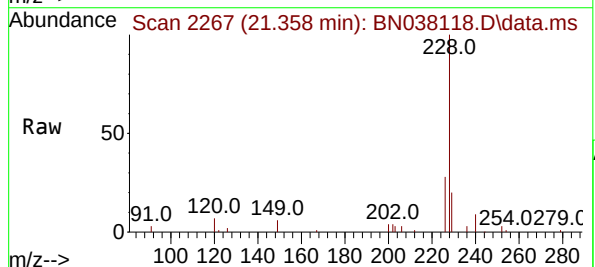
Instrument :
BNA_N
ClientSampleId :
ICVBN102825

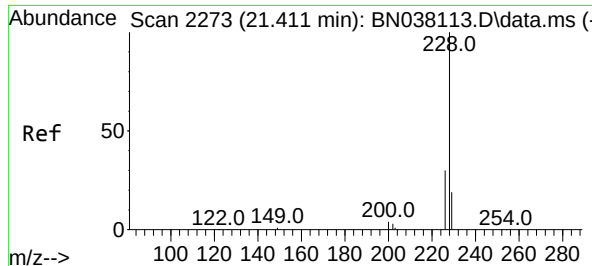
Tgt Ion:244 Resp: 17430
Ion Ratio Lower Upper
244 100
212 9.6 7.8 11.6
122 19.1 15.2 22.8



#32
Benzo(a)anthracene
Concen: 0.402 ng
RT: 21.358 min Scan# 2267
Delta R.T. 0.000 min
Lab File: BN038118.D
Acq: 28 Oct 2025 17:51

Tgt Ion:228 Resp: 26833
Ion Ratio Lower Upper
228 100
226 28.0 22.2 33.4
229 19.7 15.8 23.8





#33

Chrysene

Concen: 0.428 ng

RT: 21.411 min Scan# 21

Delta R.T. 0.000 min

Lab File: BN038118.D

Acq: 28 Oct 2025 17:51

Instrument :

BNA_N

ClientSampleId :

ICVBN102825

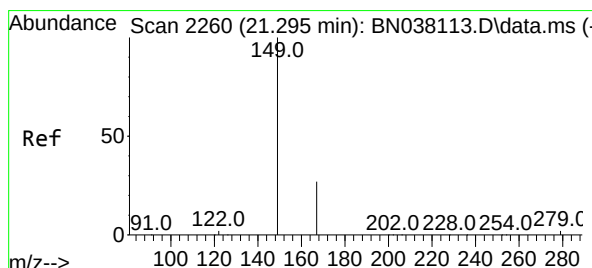
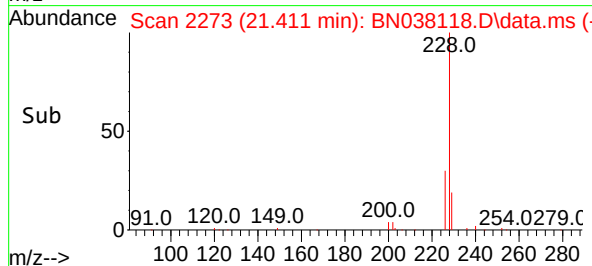
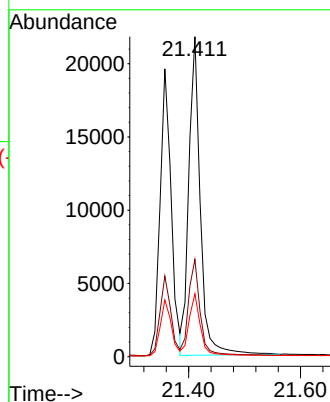
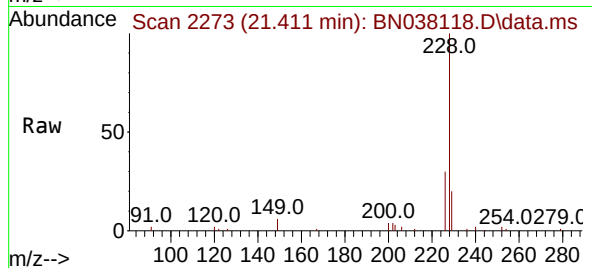
Tgt Ion:228 Resp: 31031

Ion Ratio Lower Upper

228 100

226 30.4 24.3 36.5

229 19.6 15.7 23.5



#34

Bis(2-ethylhexyl)phthalate

Concen: 0.358 ng

RT: 21.295 min Scan# 2260

Delta R.T. 0.000 min

Lab File: BN038118.D

Acq: 28 Oct 2025 17:51

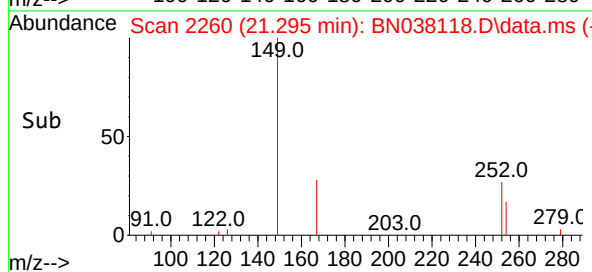
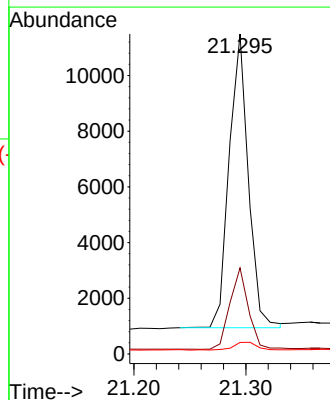
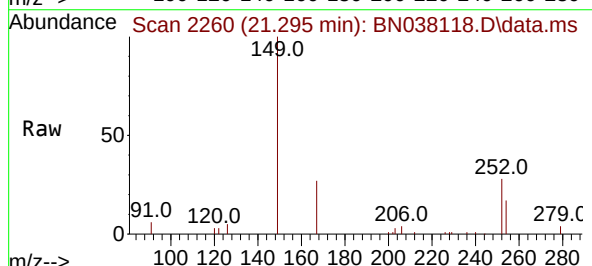
Tgt Ion:149 Resp: 12587

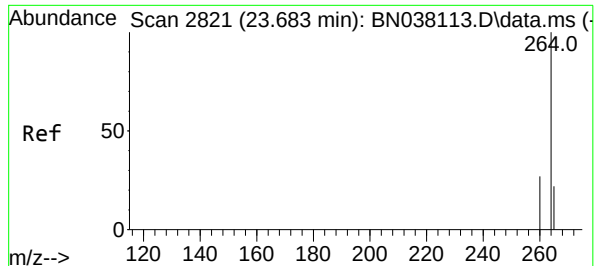
Ion Ratio Lower Upper

149 100

167 27.0 21.1 31.7

279 3.4 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: BN038118.D

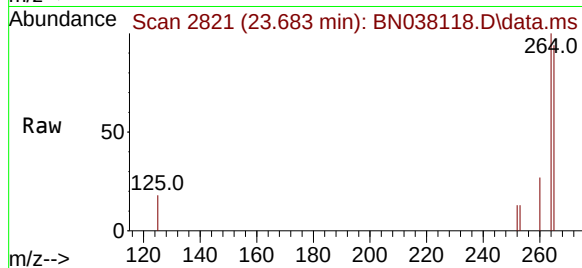
Acq: 28 Oct 2025 17:51

Instrument :

BNA_N

ClientSampleId :

ICVBN102825



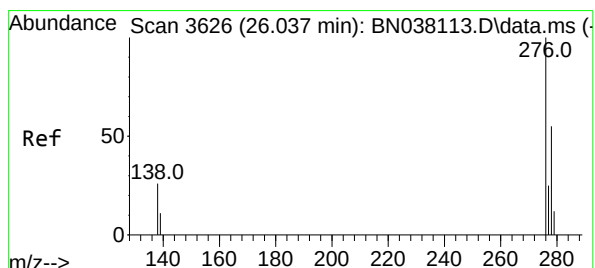
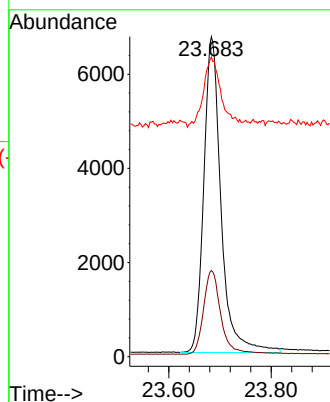
Tgt Ion:264 Resp: 15660

Ion Ratio Lower Upper

264 100

260 27.0 21.8 32.8

265 93.6 68.6 102.8



#36

Indeno(1,2,3-cd)pyrene

Concen: 0.406 ng

RT: 26.037 min Scan# 3626

Delta R.T. 0.003 min

Lab File: BN038118.D

Acq: 28 Oct 2025 17:51

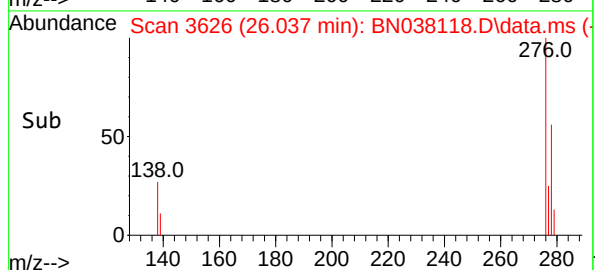
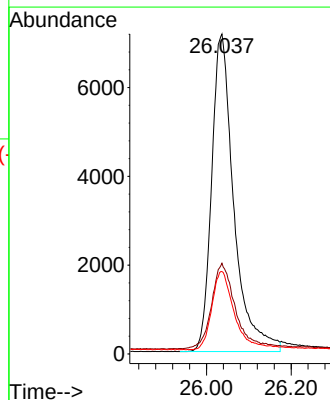
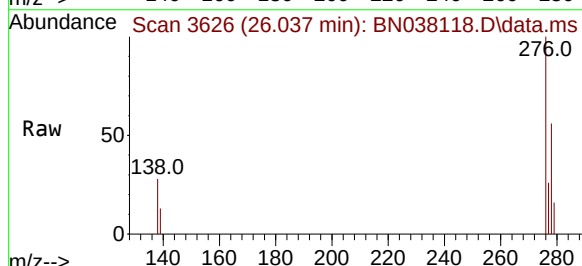
Tgt Ion:276 Resp: 26115

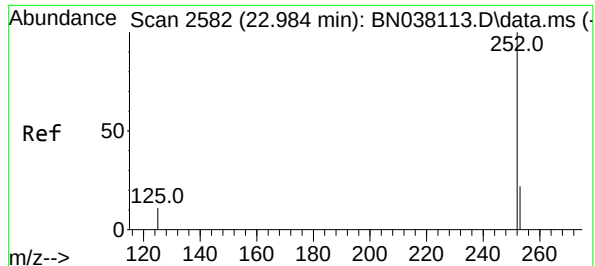
Ion Ratio Lower Upper

276 100

138 27.9 21.4 32.0

277 24.8 19.2 28.8





#37

Benzo(b)fluoranthene

Concen: 0.405 ng

RT: 22.984 min Scan# 2582

Delta R.T. 0.003 min

Lab File: BN038118.D

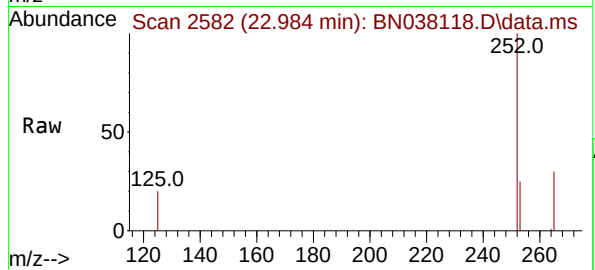
Acq: 28 Oct 2025 17:51

Instrument :

BNA_N

ClientSampleId :

ICVBN102825



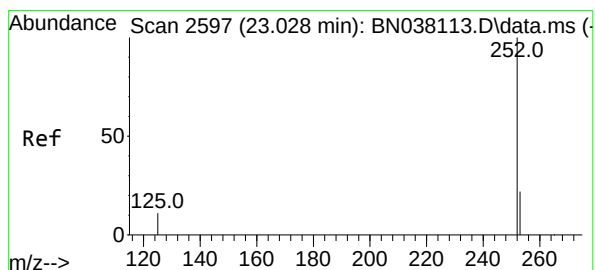
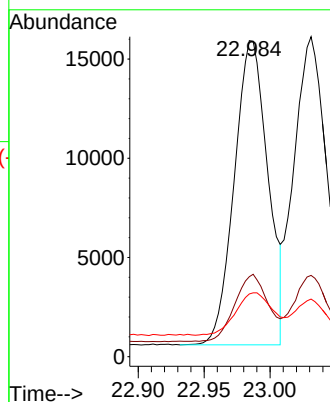
Tgt Ion:252 Resp: 27124

Ion Ratio Lower Upper

252 100

253 25.3 20.9 31.3

125 19.9 14.1 21.1



#38

Benzo(k)fluoranthene

Concen: 0.439 ng

RT: 23.031 min Scan# 2598

Delta R.T. 0.003 min

Lab File: BN038118.D

Acq: 28 Oct 2025 17:51

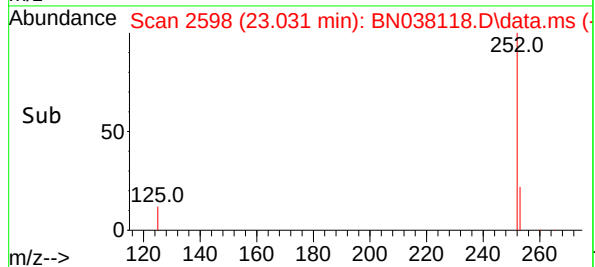
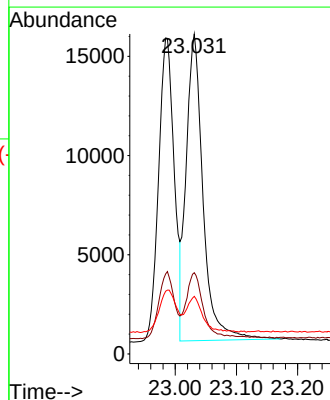
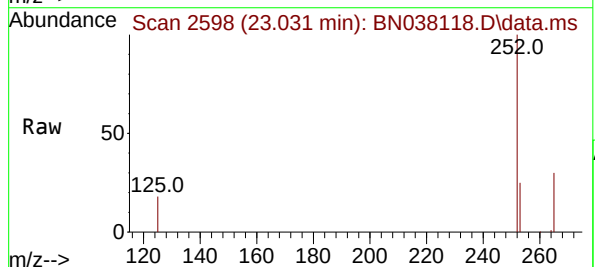
Tgt Ion:252 Resp: 29583

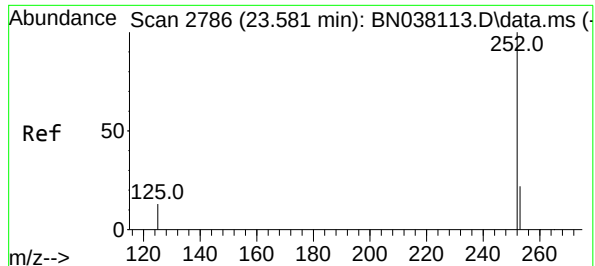
Ion Ratio Lower Upper

252 100

253 25.4 21.2 31.8

125 18.0 14.6 22.0





#39

Benzo(a)pyrene

Concen: 0.437 ng

RT: 23.581 min Scan# 21

Delta R.T. 0.003 min

Lab File: BN038118.D

Acq: 28 Oct 2025 17:51

Instrument :

BNA_N

ClientSampleId :

ICVBN102825

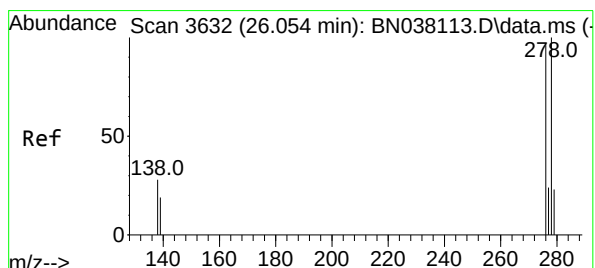
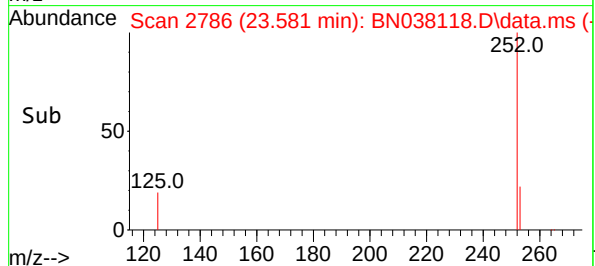
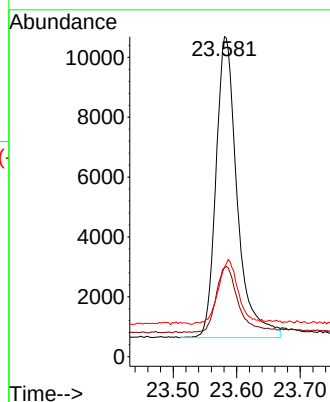
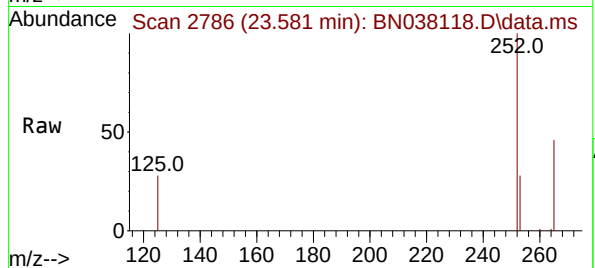
Tgt Ion:252 Resp: 23400

Ion Ratio Lower Upper

252 100

253 27.8 23.1 34.7

125 28.0 18.6 28.0#



#40

Dibenzo(a,h)anthracene

Concen: 0.403 ng

RT: 26.051 min Scan# 3631

Delta R.T. 0.003 min

Lab File: BN038118.D

Acq: 28 Oct 2025 17:51

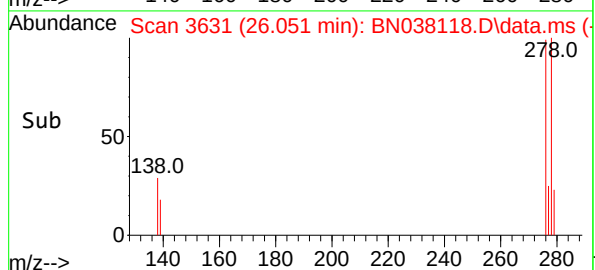
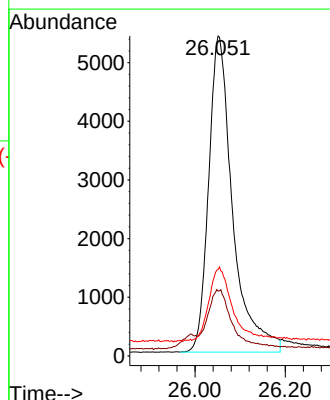
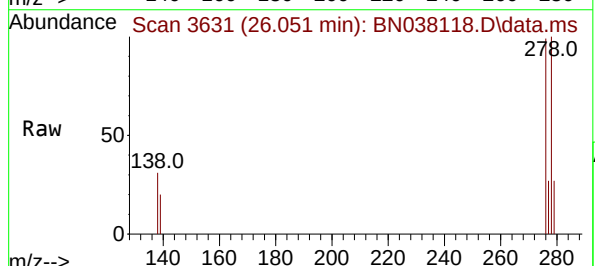
Tgt Ion:278 Resp: 19931

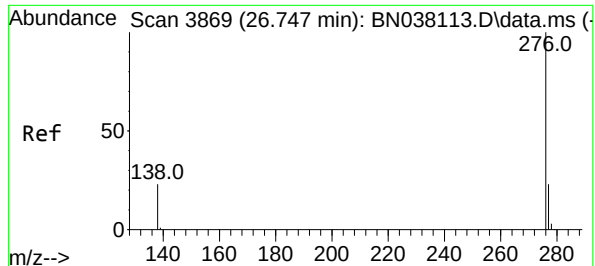
Ion Ratio Lower Upper

278 100

139 20.2 17.6 26.4

279 27.0 22.6 33.8





#41

Benzo(g,h,i)perylene

Concen: 0.392 ng

RT: 26.756 min Scan# 3872

Delta R.T. 0.006 min

Lab File: BN038118.D

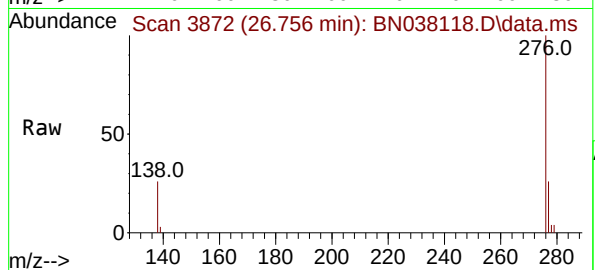
Acq: 28 Oct 2025 17:51

Instrument :

BNA_N

ClientSampleId :

ICVBN102825



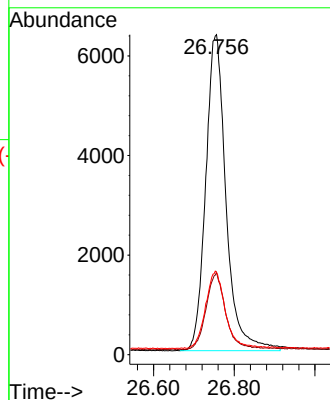
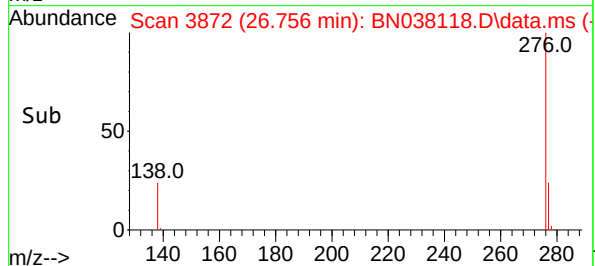
Tgt Ion:276 Resp: 22180

Ion Ratio Lower Upper

276 100

277 25.7 19.7 29.5

138 25.7 20.2 30.4



Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN102825\
 Data File : BN038118.D
 Acq On : 28 Oct 2025 17:51
 Operator : RC/JU
 Sample : SSTDICV0.4
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 ICBVN102825

Quant Time: Oct 29 17:07:11 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

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1 I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	84	0.00
2	1,4-Dioxane	0.413	0.455	-10.2	90	0.00
3	n-Nitrosodimethylamine	0.532	0.529	0.6	82	0.00
4 S	2-Fluorophenol	0.942	0.866	8.1	76	0.00
5 S	Phenol-d6	1.148	1.006	12.4	74	0.00
6	bis(2-Chloroethyl)ether	1.128	1.202	-6.6	89	0.00
7 I	Naphthalene-d8	1.000	1.000	0.0	84	0.01
8 S	Nitrobenzene-d5	0.323	0.285	11.8	76	0.00
9	Naphthalene	1.102	1.121	-1.7	87	0.00
10	Hexachlorobutadiene	0.186	0.202	-8.6	91	0.00
11 SURR	2-Methylnaphthalene-d10	0.571	0.585	-2.5	89	0.00
12	2-Methylnaphthalene	0.735	0.704	4.2	84	0.00
13 I	Acenaphthene-d10	1.000	1.000	0.0	86	0.01
14 S	2,4,6-Tribromophenol	0.165	0.140	15.2	81	0.00
15 S	2-Fluorobiphenyl	1.602	1.647	-2.8	90	0.01
16	Acenaphthylene	1.811	2.060	-13.7	103	0.00
17	Acenaphthene	1.267	1.262	0.4	89	0.01
18	Fluorene	1.661	1.719	-3.5	92	0.00
19 I	Phenanthrene-d10	1.000	1.000	0.0	89	0.00
20	4,6-Dinitro-2-methylphenol	0.055	0.043	21.8	86	0.00
21	4-Bromophenyl-phenylether	0.262	0.262	0.0	93	0.00
22	Hexachlorobenzene	0.298	0.318	-6.7	95	0.00
23	Atrazine	0.192	0.178	7.3	90	0.00
24	Pentachlorophenol	0.128	0.113	11.7	93	0.00
25	Phenanthrene	1.270	1.294	-1.9	94	0.00
26	Anthracene	1.111	1.129	-1.6	96	0.00
27 SURR	Fluoranthene-d10	1.009	0.981	2.8	91	0.00
28	Fluoranthene	1.419	1.347	5.1	89	0.00
29 I	Chrysene-d12	1.000	1.000	0.0	87	0.00
30	Pyrene	1.806	1.903	-5.4	90	0.00
31 S	Terphenyl-d14	0.869	0.931	-7.1	93	0.00
32	Benzo(a)anthracene	1.427	1.433	-0.4	92	0.00
33	Chrysene	1.549	1.657	-7.0	93	0.00
34	Bis(2-ethylhexyl)phthalate	0.752	0.672	10.6	81	0.00
35 I	Perylene-d12	1.000	1.000	0.0	87	0.00
36	Indeno(1,2,3-cd)pyrene	1.643	1.668	-1.5	91	0.00
37	Benzo(b)fluoranthene	1.710	1.732	-1.3	93	0.00
38	Benzo(k)fluoranthene	1.721	1.889	-9.8	102	0.00
39 C	Benzo(a)pyrene	1.369	1.494	-9.1	99	0.00
40	Dibenzo(a,h)anthracene	1.265	1.273	-0.6	93	0.00
41	Benzo(g,h,i)perylene	1.444	1.416	1.9	87	0.00

(#) = Out of Range

SPCC's out = 0 CCC's out = 0

Instrument :

BNA_N

ClientSampleId :

ICVBN102825

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN102825\
 Data File : BN038118.D
 Acq On : 28 Oct 2025 17:51
 Operator : RC/JU
 Sample : SSTDICV0.4
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 ICVBN102825

Quant Time: Oct 29 17:07:11 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

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1 I	1,4-Dichlorobenzene-d4	0.400	0.400	0.0	84	0.00
2	1,4-Dioxane	0.400	0.440	-10.0	90	0.00
3	n-Nitrosodimethylamine	0.400	0.398	0.5	82	0.00
4 S	2-Fluorophenol	0.400	0.368	8.0	76	0.00
5 S	Phenol-d6	0.400	0.351	12.3	74	0.00
6	bis(2-Chloroethyl)ether	0.400	0.427	-6.7	89	0.00
7 I	Naphthalene-d8	0.400	0.400	0.0	84	0.01
8 S	Nitrobenzene-d5	0.400	0.353	11.8	76	0.00
9	Naphthalene	0.400	0.407	-1.7	87	0.00
10	Hexachlorobutadiene	0.400	0.435	-8.7	91	0.00
11 SURR	2-Methylnaphthalene-d10	0.400	0.410	-2.5	89	0.00
12	2-Methylnaphthalene	0.400	0.384	4.0	84	0.00
13 I	Acenaphthene-d10	0.400	0.400	0.0	86	0.01
14 S	2,4,6-Tribromophenol	0.400	0.340	15.0	81	0.00
15 S	2-Fluorobiphenyl	0.400	0.411	-2.7	90	0.01
16	Acenaphthylene	0.400	0.455	-13.7	103	0.00
17	Acenaphthene	0.400	0.398	0.5	89	0.01
18	Fluorene	0.400	0.414	-3.5	92	0.00
19 I	Phenanthrene-d10	0.400	0.400	0.0	89	0.00
20	4,6-Dinitro-2-methylphenol	0.400	0.411	-2.7	86	0.00
21	4-Bromophenyl-phenylether	0.400	0.400	0.0	93	0.00
22	Hexachlorobenzene	0.400	0.426	-6.5	95	0.00
23	Atrazine	0.400	0.370	7.5	90	0.00
24	Pentachlorophenol	0.400	0.351	12.3	93	0.00
25	Phenanthrene	0.400	0.408	-2.0	94	0.00
26	Anthracene	0.400	0.406	-1.5	96	0.00
27 SURR	Fluoranthene-d10	0.400	0.389	2.8	91	0.00
28	Fluoranthene	0.400	0.380	5.0	89	0.00
29 I	Chrysene-d12	0.400	0.400	0.0	87	0.00
30	Pyrene	0.400	0.422	-5.5	90	0.00
31 S	Terphenyl-d14	0.400	0.428	-7.0	93	0.00
32	Benzo(a)anthracene	0.400	0.402	-0.5	92	0.00
33	Chrysene	0.400	0.428	-7.0	93	0.00
34	Bis(2-ethylhexyl)phthalate	0.400	0.358	10.5	81	0.00
35 I	Perylene-d12	0.400	0.400	0.0	87	0.00
36	Indeno(1,2,3-cd)pyrene	0.400	0.406	-1.5	91	0.00
37	Benzo(b)fluoranthene	0.400	0.405	-1.3	93	0.00
38	Benzo(k)fluoranthene	0.400	0.439	-9.7	102	0.00
39 C	Benzo(a)pyrene	0.400	0.437	-9.2	99	0.00
40	Dibenzo(a,h)anthracene	0.400	0.403	-0.8	93	0.00
41	Benzo(g,h,i)perylene	0.400	0.392	2.0	87	0.00

(#) = Out of Range

SPCC's out = 0 CCC's out = 0

Instrument :

BNA_N

ClientSampleId :

ICVBN102825



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

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name:	<u>Alliance</u>	Contract:	<u>REMI02</u>
Lab Code:	<u>ACE</u>	SDG No.:	<u>Q3534</u>
Instrument ID:	<u>BNA_N</u>	Calibration Date/Time:	<u>11/07/2025 09:39</u>
Lab File ID:	<u>BN038147.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	0.545		-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.

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN110725\
 Data File : BN038147.D
 Acq On : 07 Nov 2025 09:39
 Operator : RC/JU
 Sample : SSTDCCC0.4
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 SSTDCCC0.4

Quant Time: Nov 07 10:03:14 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)

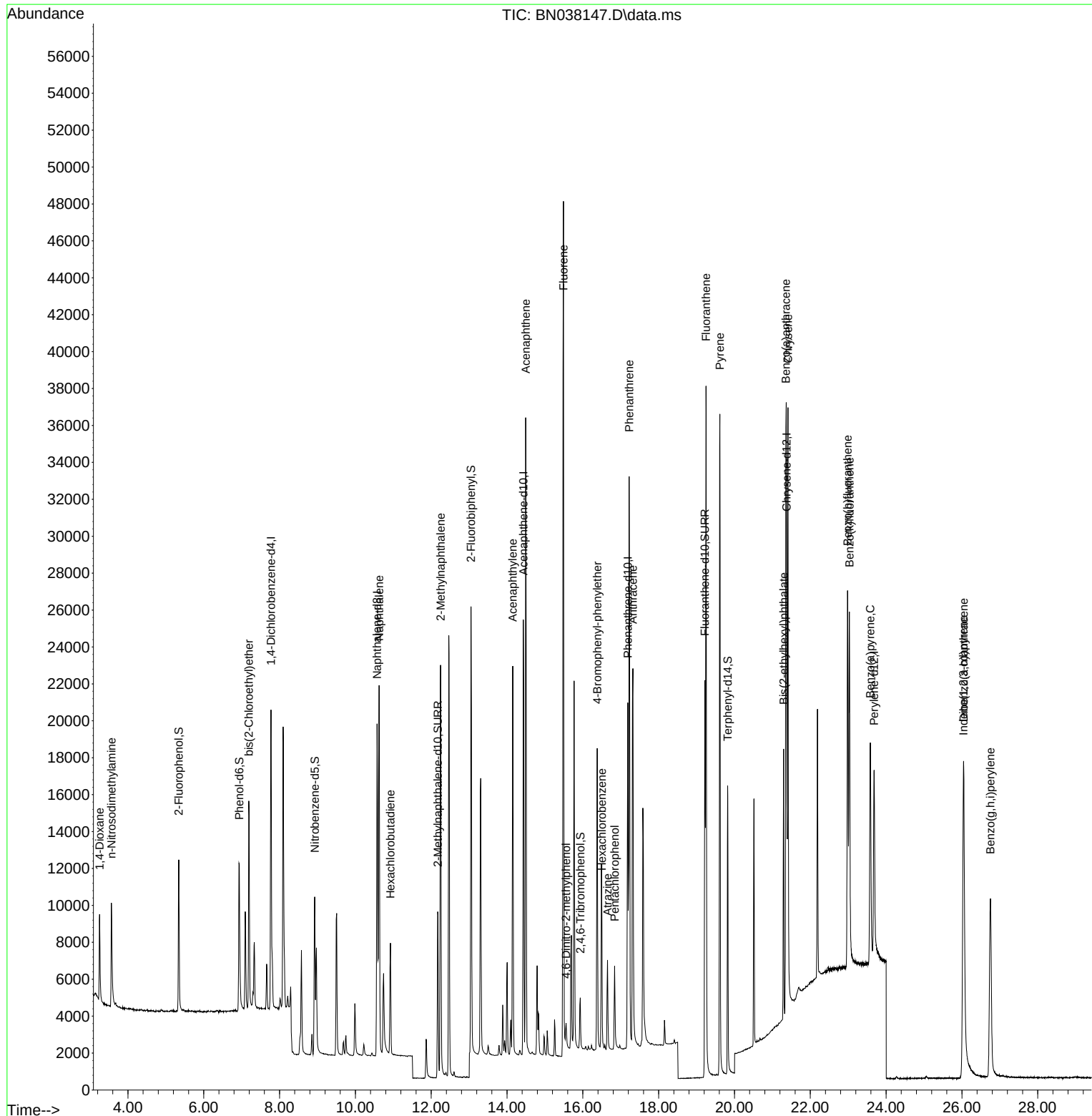
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.775	152	8319	0.400	ng	0.00
7) Naphthalene-d8	10.573	136	24620	0.400	ng	# 0.00
13) Acenaphthene-d10	14.430	164	13514	0.400	ng	0.00
19) Phenanthrene-d10	17.186	188	25821	0.400	ng	0.00
29) Chrysene-d12	21.375	240	19154	0.400	ng	0.00
35) Perylene-d12	23.683	264	16199	0.400	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.341	112	7043	0.359	ng	0.00
5) Phenol-d6	6.937	99	8616	0.361	ng	0.00
8) Nitrobenzene-d5	8.929	82	7624	0.384	ng	0.00
11) 2-Methylnaphthalene-d10	12.172	152	13426	0.382	ng	0.00
14) 2,4,6-Tribromophenol	15.932	330	1802	0.324	ng	0.00
15) 2-Fluorobiphenyl	13.051	172	21039	0.389	ng	0.00
27) Fluoranthene-d10	19.220	212	24453	0.376	ng	0.00
31) Terphenyl-d14	19.819	244	16244	0.390	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.254	88	3386	0.394	ng	99
3) n-Nitrosodimethylamine	3.564	42	4272	0.386	ng	# 93
6) bis(2-Chloroethyl)ether	7.190	93	9004	0.384	ng	99
9) Naphthalene	10.626	128	26943	0.397	ng	100
10) Hexachlorobutadiene	10.925	225	4842	0.423	ng	# 99
12) 2-Methylnaphthalene	12.248	142	17336	0.383	ng	98
16) Acenaphthylene	14.152	152	23363	0.382	ng	100
17) Acenaphthene	14.495	154	16587	0.387	ng	98
18) Fluorene	15.489	166	22116	0.394	ng	100
20) 4,6-Dinitro-2-methylph...	15.560	198	954	0.378	ng	90
21) 4-Bromophenyl-phenylether	16.379	248	6652	0.393	ng	94
22) Hexachlorobenzene	16.503	284	8201	0.426	ng	100
23) Atrazine	16.652	200	4216	0.340	ng	99
24) Pentachlorophenol	16.838	266	2443	0.295	ng	98
25) Phenanthrene	17.223	178	32586	0.398	ng	100
26) Anthracene	17.322	178	27002	0.377	ng	99
28) Fluoranthene	19.248	202	35099	0.383	ng	100
30) Pyrene	19.615	202	34589	0.400	ng	100
32) Benzo(a)anthracene	21.358	228	25317	0.370	ng	100
33) Chrysene	21.411	228	30330	0.409	ng	100
34) Bis(2-ethylhexyl)phtha...	21.295	149	12823	0.356	ng	100
36) Indeno(1,2,3-cd)pyrene	26.037	276	26025	0.391	ng	99
37) Benzo(b)fluoranthene	22.984	252	27308	0.394	ng	99
38) Benzo(k)fluoranthene	23.031	252	28137	0.404	ng	98
39) Benzo(a)pyrene	23.584	252	20969	0.378	ng	98
40) Dibenzo(a,h)anthracene	26.048	278	19684	0.384	ng	97
41) Benzo(g,h,i)perylene	26.753	276	23204	0.397	ng	100

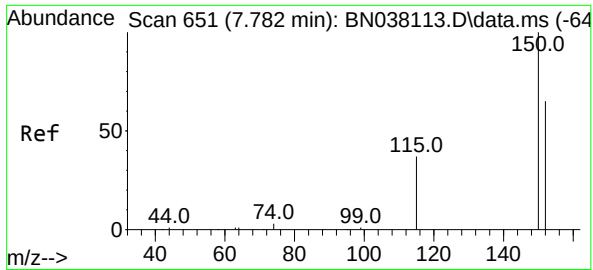
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN110725\
Data File : BN038147.D
Acq On : 07 Nov 2025 09:39
Operator : RC/JU
Sample : SSTDCCC0.4
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

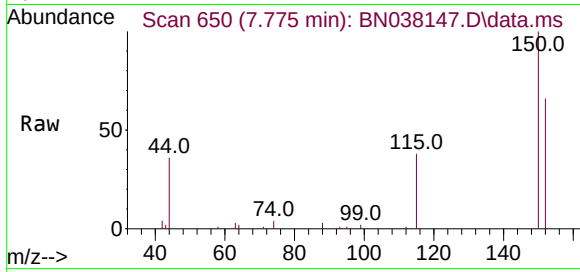
Quant Time: Nov 07 10:03:14 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN102825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Oct 29 13:09:46 2025
Response via : Initial Calibration



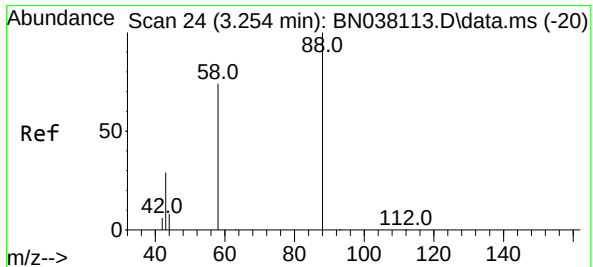
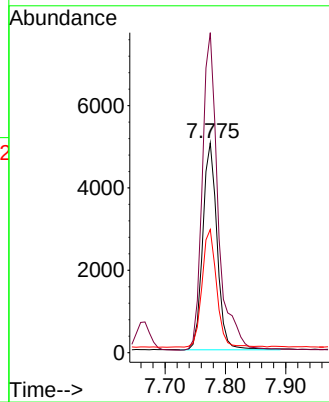
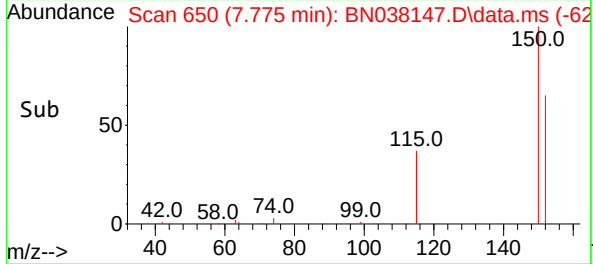


#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.775 min Scan# 61
Delta R.T. 0.000 min
Lab File: BN038147.D
Acq: 07 Nov 2025 09:39

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

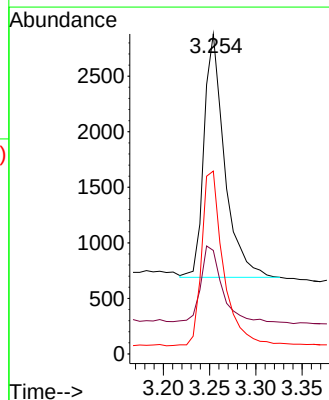
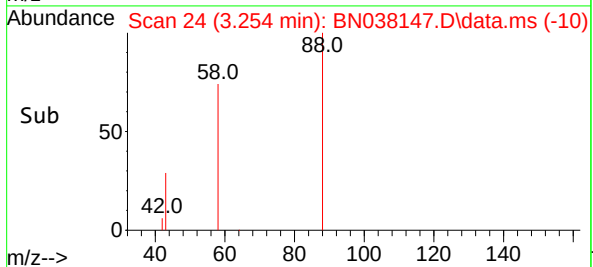
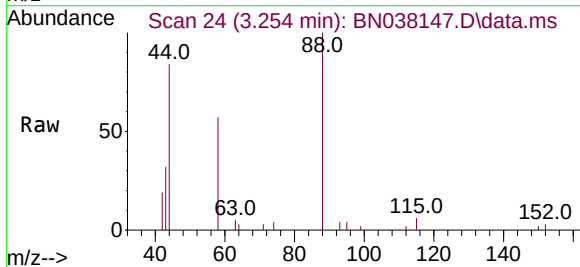


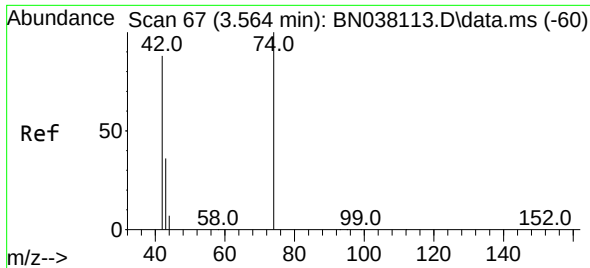
Tgt Ion:152 Resp: 8319
Ion Ratio Lower Upper
152 100
150 152.6 122.3 183.5
115 58.7 47.4 71.0



#2
1,4-Dioxane
Concen: 0.394 ng
RT: 3.254 min Scan# 24
Delta R.T. 0.000 min
Lab File: BN038147.D
Acq: 07 Nov 2025 09:39

Tgt Ion: 88 Resp: 3386
Ion Ratio Lower Upper
88 100
43 32.0 24.3 36.5
58 76.1 60.4 90.6

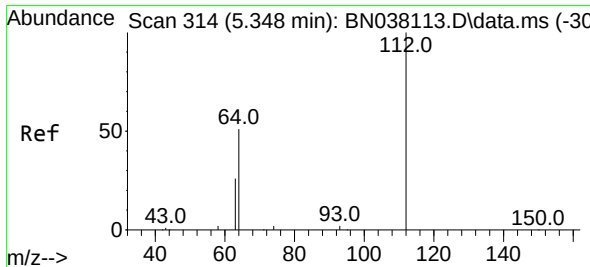
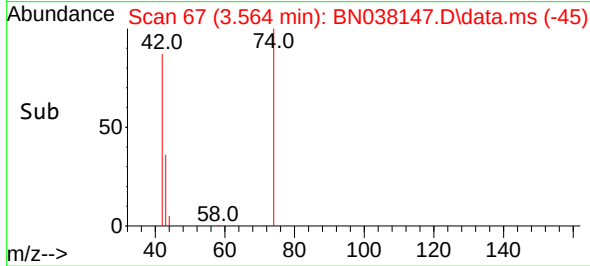
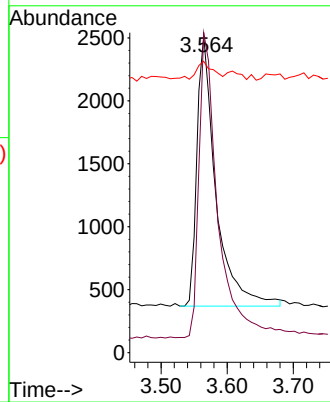
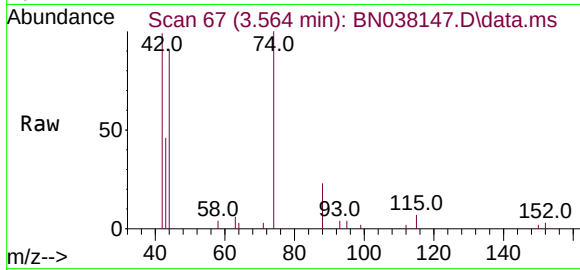




#3
 n-Nitrosodimethylamine
 Concen: 0.386 ng
 RT: 3.564 min Scan# 61
 Delta R.T. 0.007 min
 Lab File: BN038147.D
 Acq: 07 Nov 2025 09:39

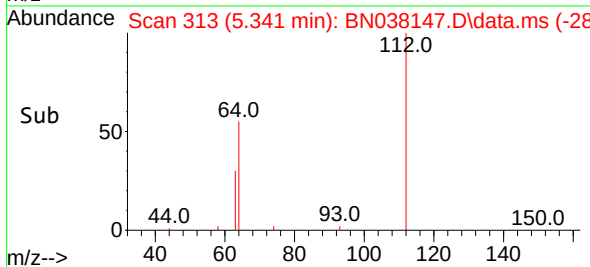
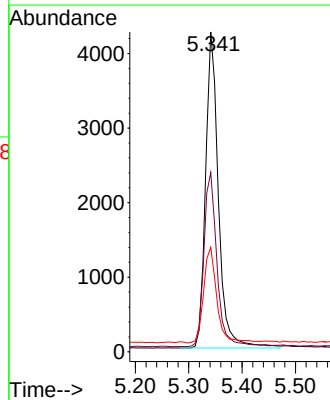
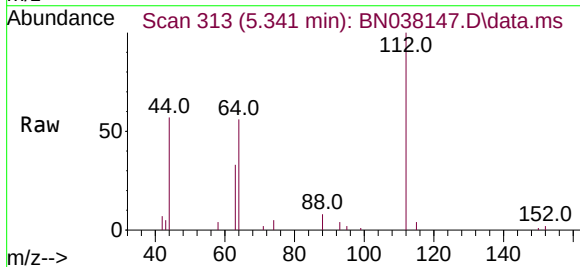
Instrument :
 BNA_N
 ClientSampleId :
 SSTDCCC0.4

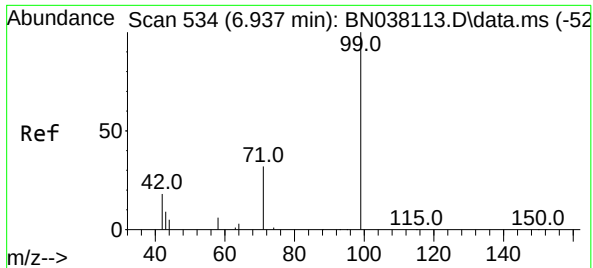
Tgt Ion: 42 Resp: 4272
 Ion Ratio Lower Upper
 42 100
 74 112.7 96.8 145.2
 44 5.0 5.3 7.9#



#4
 2-Fluorophenol
 Concen: 0.359 ng
 RT: 5.341 min Scan# 313
 Delta R.T. -0.007 min
 Lab File: BN038147.D
 Acq: 07 Nov 2025 09:39

Tgt Ion: 112 Resp: 7043
 Ion Ratio Lower Upper
 112 100
 64 55.9 45.4 68.0
 63 31.2 23.2 34.8

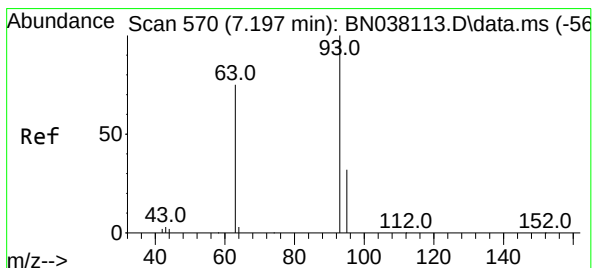
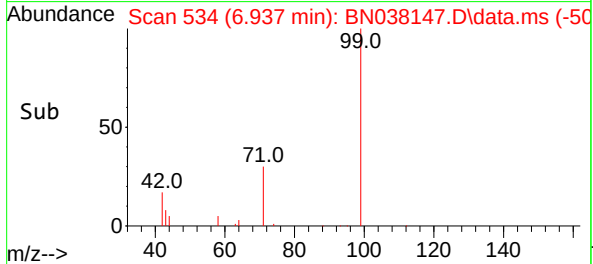
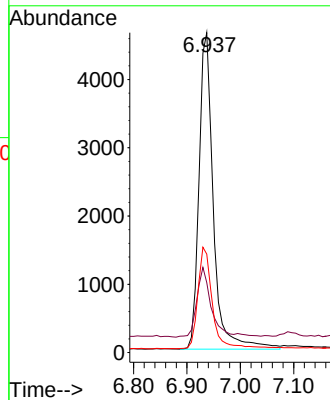
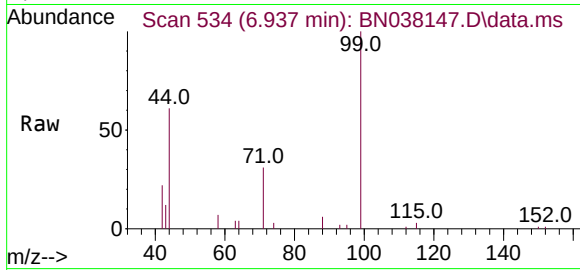




#5
Phenol-d6
Concen: 0.361 ng
RT: 6.937 min Scan# 534
Delta R.T. 0.000 min
Lab File: BN038147.D
Acq: 07 Nov 2025 09:39

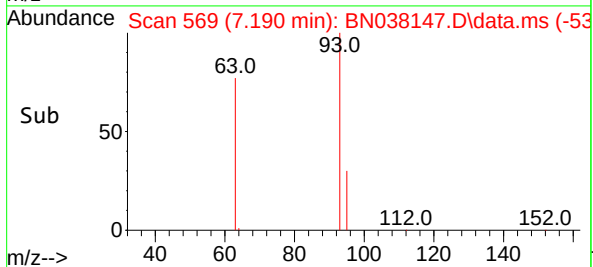
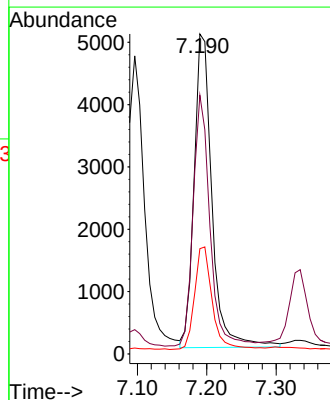
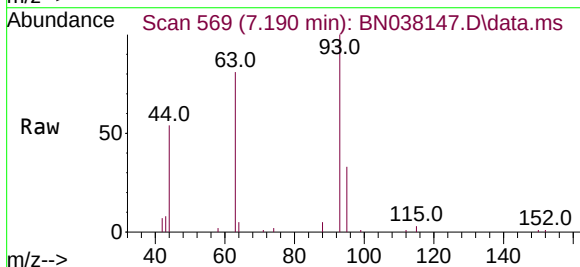
Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

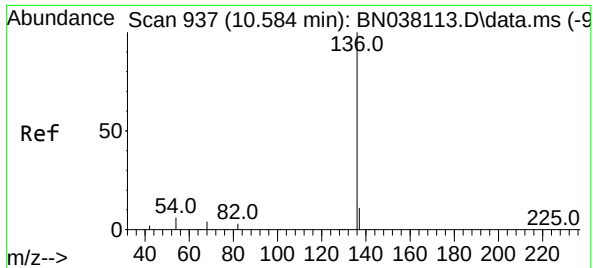
Tgt Ion: 99 Resp: 8616
Ion Ratio Lower Upper
99 100
42 21.7 16.6 24.8
71 33.1 25.4 38.2



#6
bis(2-Chloroethyl)ether
Concen: 0.384 ng
RT: 7.190 min Scan# 569
Delta R.T. -0.007 min
Lab File: BN038147.D
Acq: 07 Nov 2025 09:39

Tgt Ion: 93 Resp: 9004
Ion Ratio Lower Upper
93 100
63 74.8 59.3 88.9
95 32.4 25.2 37.8

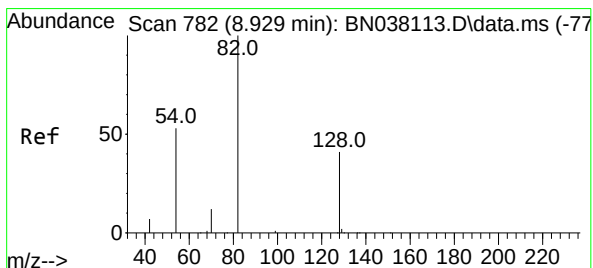
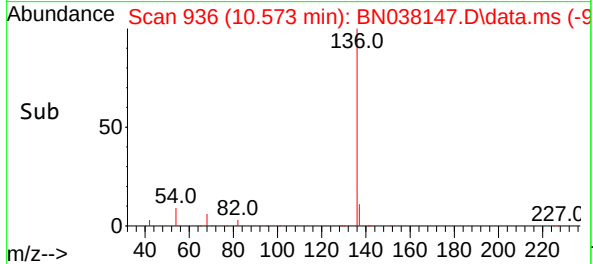
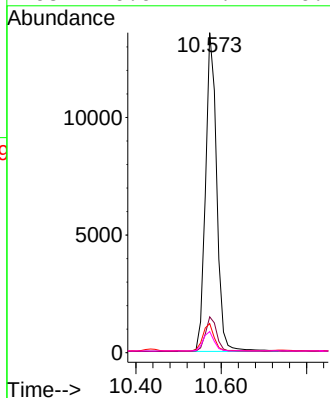
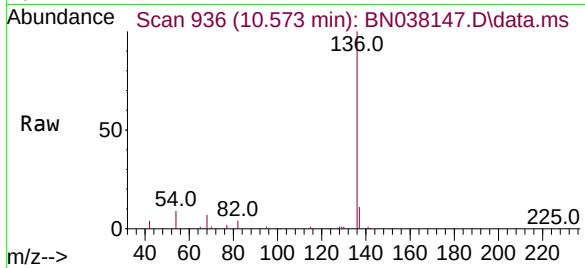




#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.573 min Scan# 937
Delta R.T. 0.000 min
Lab File: BN038147.D
Acq: 07 Nov 2025 09:39

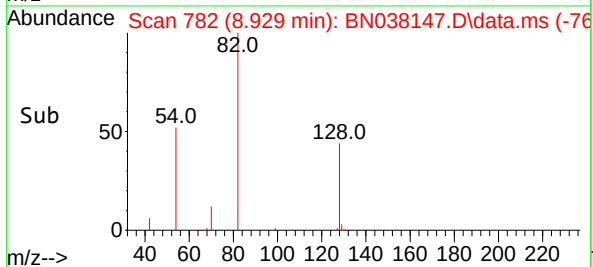
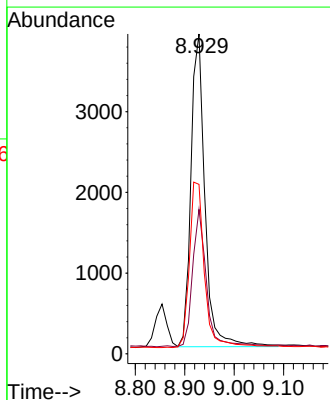
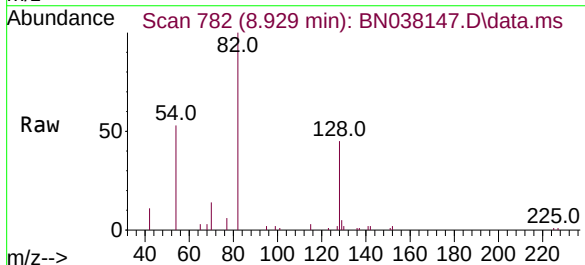
Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

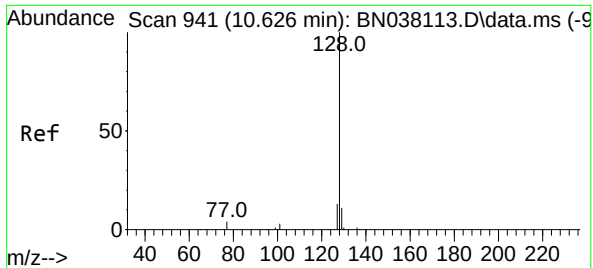
Tgt Ion:	136	Resp:	24620
Ion	Ratio	Lower	Upper
136	100		
137	11.2	9.0	13.4
54	9.1	5.2	7.8#
68	6.6	4.1	6.1#



#8
Nitrobenzene-d5
Concen: 0.384 ng
RT: 8.929 min Scan# 782
Delta R.T. 0.000 min
Lab File: BN038147.D
Acq: 07 Nov 2025 09:39

Tgt Ion:	82	Resp:	7624
Ion	Ratio	Lower	Upper
82	100		
128	45.2	34.1	51.1
54	53.0	43.5	65.3

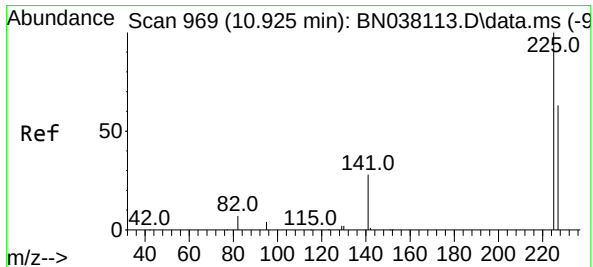
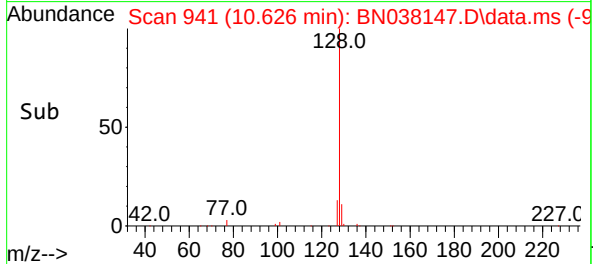
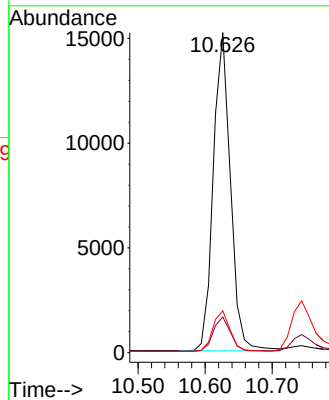
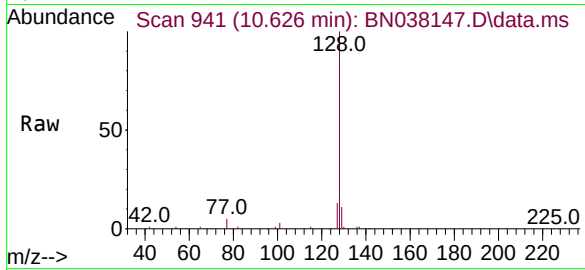




#9
Naphthalene
Concen: 0.397 ng
RT: 10.626 min Scan# 941
Delta R.T. 0.000 min
Lab File: BN038147.D
Acq: 07 Nov 2025 09:39

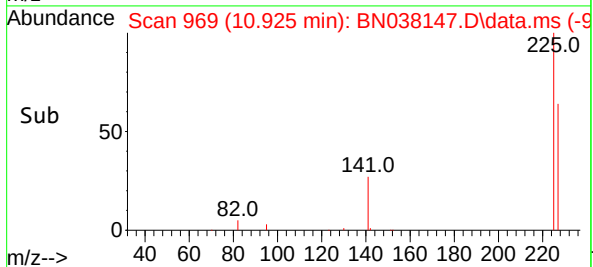
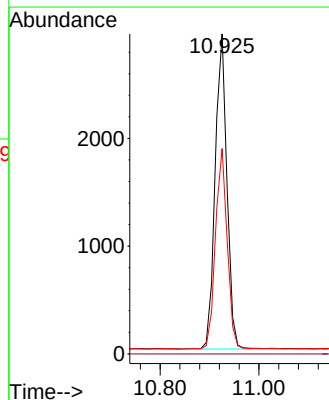
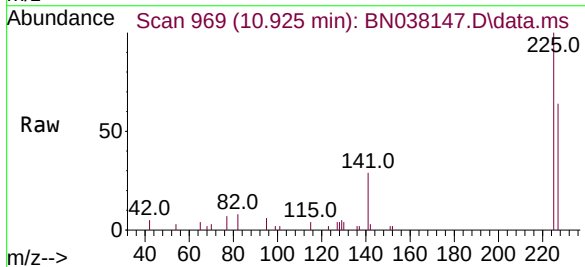
Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

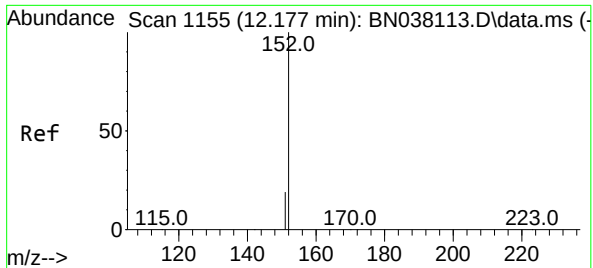
Tgt Ion	128	129	127
Resp:	26943		
Ion Ratio	100	11.1	13.1
Lower		9.1	10.5
Upper		13.7	15.7



#10
Hexachlorobutadiene
Concen: 0.423 ng
RT: 10.925 min Scan# 969
Delta R.T. 0.000 min
Lab File: BN038147.D
Acq: 07 Nov 2025 09:39

Tgt Ion	225	223	227
Resp:	4842		
Ion Ratio	100	0.0	63.4
Lower		0.0	50.3
Upper		0.0	75.5

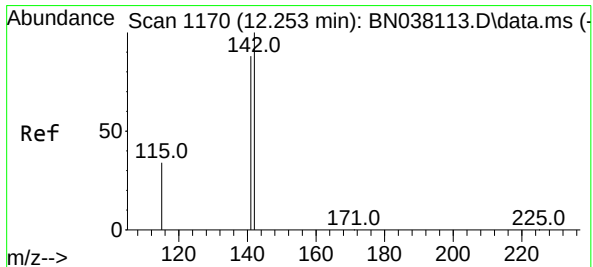
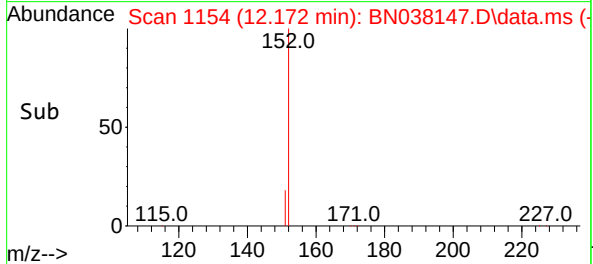
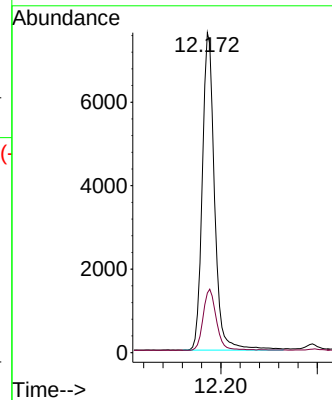
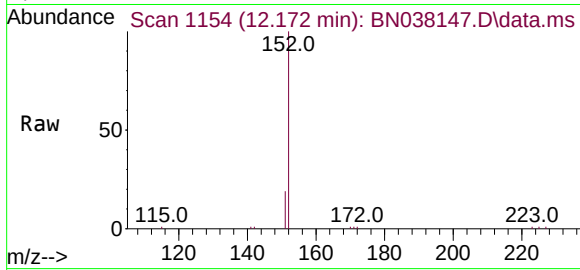




#11
2-Methylnaphthalene-d10
Concen: 0.382 ng
RT: 12.172 min Scan# 1155
Delta R.T. -0.005 min
Lab File: BN038147.D
Acq: 07 Nov 2025 09:39

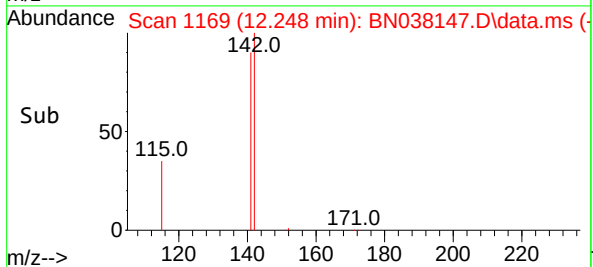
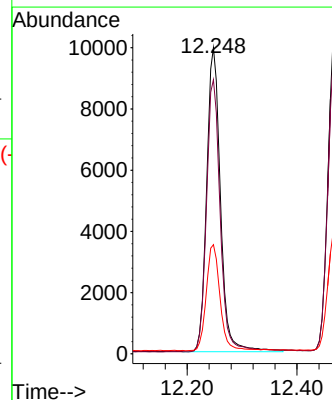
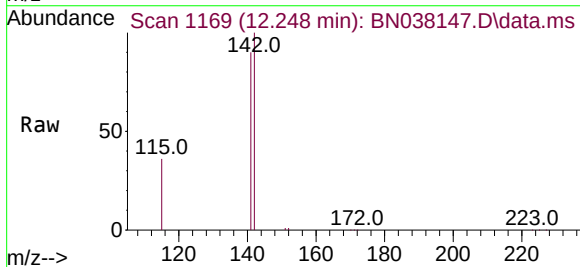
Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

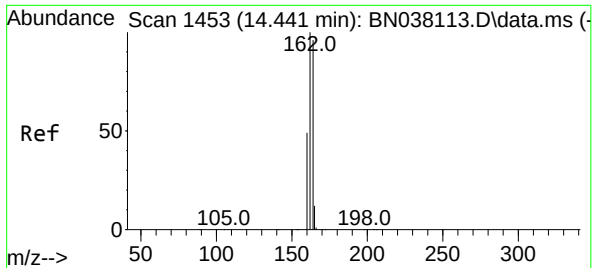
Tgt Ion:152 Resp: 13426
Ion Ratio Lower Upper
152 100
151 20.8 16.8 25.2



#12
2-Methylnaphthalene
Concen: 0.383 ng
RT: 12.248 min Scan# 1169
Delta R.T. 0.000 min
Lab File: BN038147.D
Acq: 07 Nov 2025 09:39

Tgt Ion:142 Resp: 17336
Ion Ratio Lower Upper
142 100
141 89.5 70.3 105.5
115 35.7 27.8 41.6

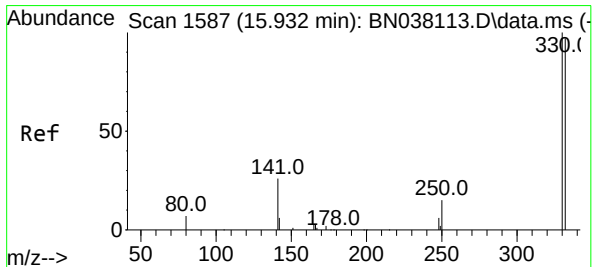
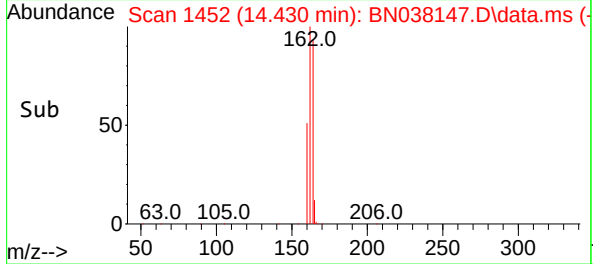
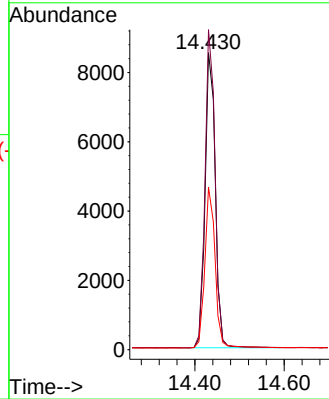
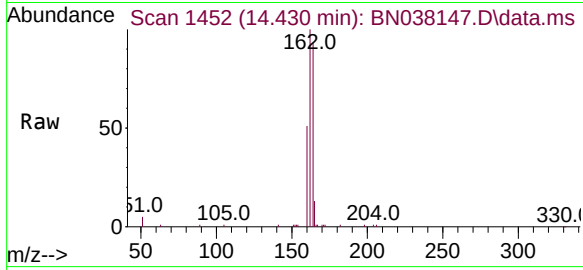




#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.430 min Scan# 1453
Delta R.T. 0.000 min
Lab File: BN038147.D
Acq: 07 Nov 2025 09:39

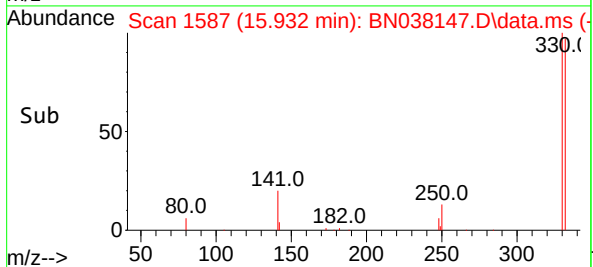
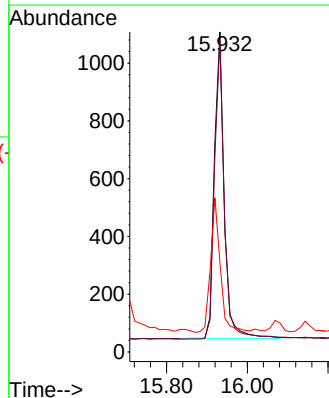
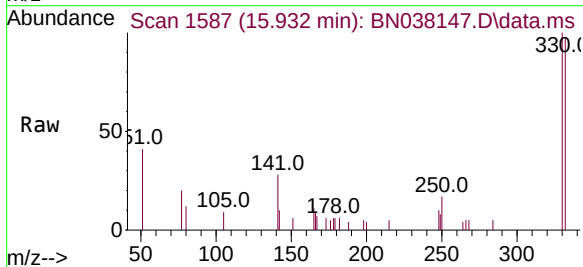
Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

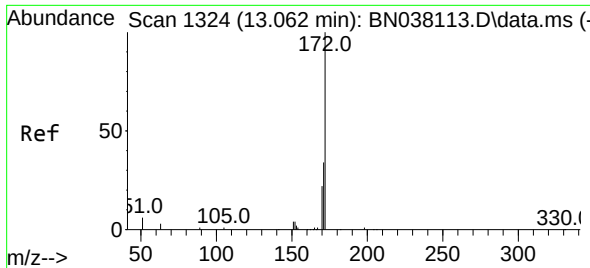
Tgt Ion:164 Resp: 13514
Ion Ratio Lower Upper
164 100
162 107.8 83.0 124.4
160 54.7 40.7 61.1



#14
2,4,6-Tribromophenol
Concen: 0.324 ng
RT: 15.932 min Scan# 1587
Delta R.T. 0.000 min
Lab File: BN038147.D
Acq: 07 Nov 2025 09:39

Tgt Ion:330 Resp: 1802
Ion Ratio Lower Upper
330 100
332 96.3 76.6 114.8
141 43.2 34.1 51.1

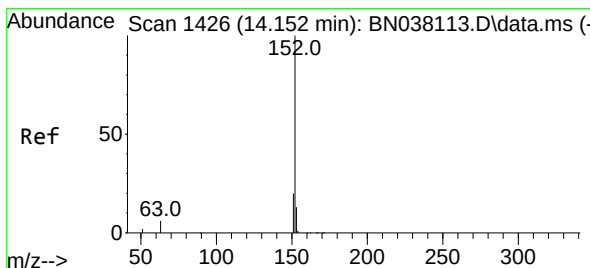
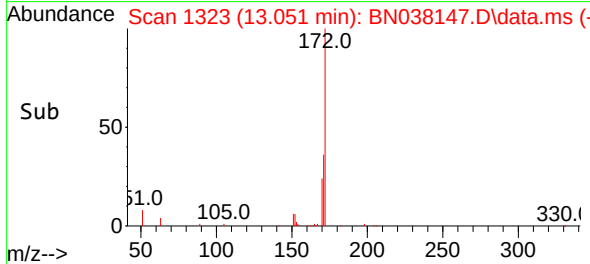
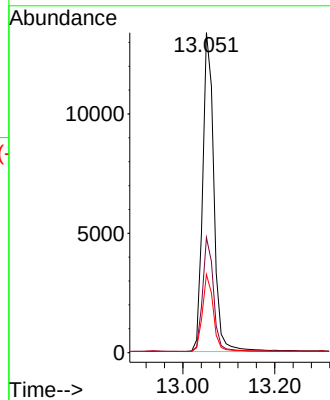
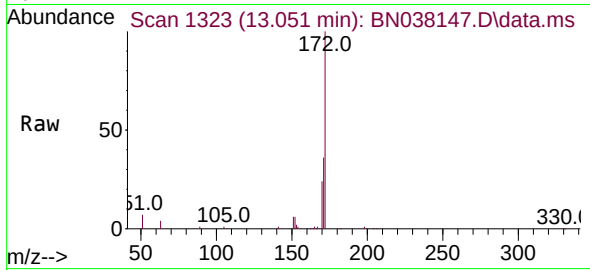




#15
2-Fluorobiphenyl
Concen: 0.389 ng
RT: 13.051 min Scan# 1323
Delta R.T. 0.000 min
Lab File: BN038147.D
Acq: 07 Nov 2025 09:39

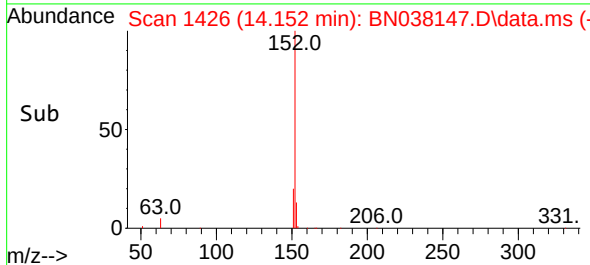
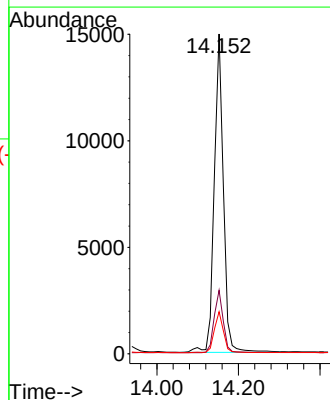
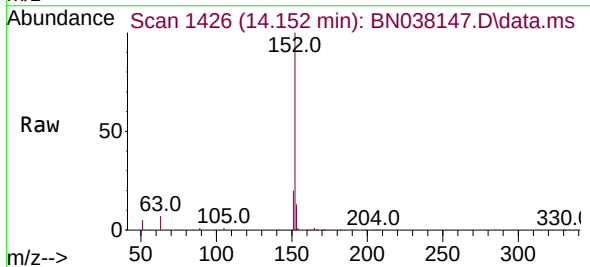
Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

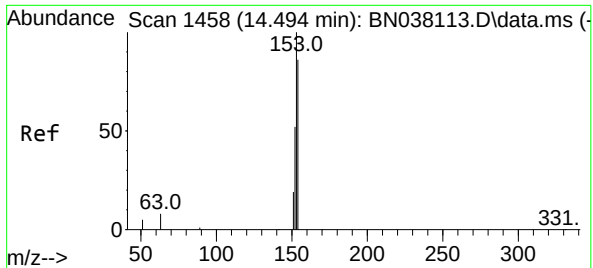
Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.0	27.8	41.6
170	24.4	18.1	27.1



#16
Acenaphthylene
Concen: 0.382 ng
RT: 14.152 min Scan# 1426
Delta R.T. 0.000 min
Lab File: BN038147.D
Acq: 07 Nov 2025 09:39

Tgt Ion	Ratio	Lower	Upper
152	100		
151	19.7	15.8	23.8
153	12.9	10.2	15.2

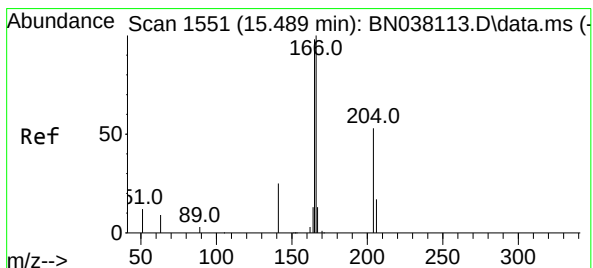
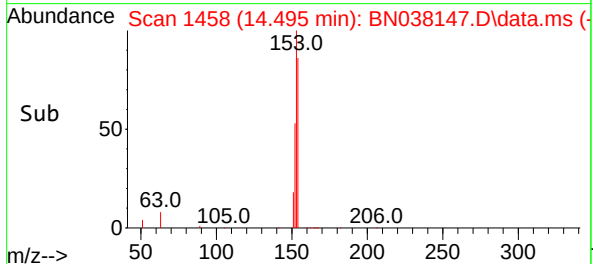
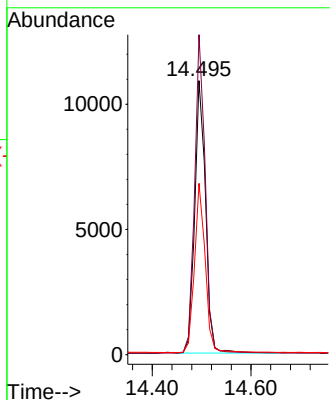
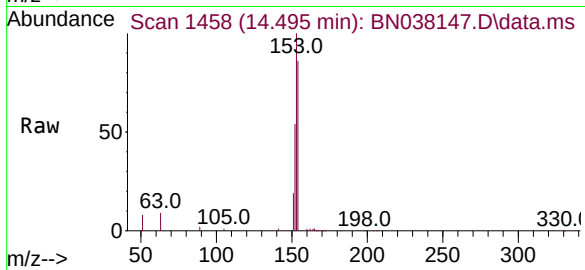




#17
Acenaphthene
Concen: 0.387 ng
RT: 14.495 min Scan# 1458
Delta R.T. 0.000 min
Lab File: BN038147.D
Acq: 07 Nov 2025 09:39

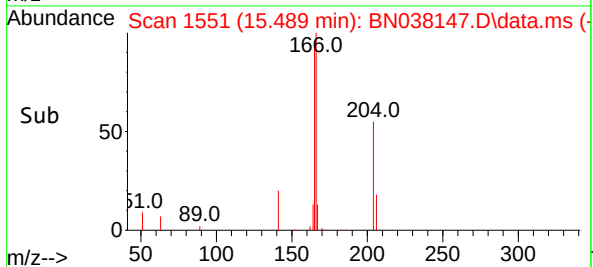
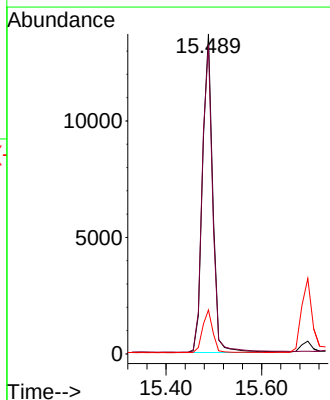
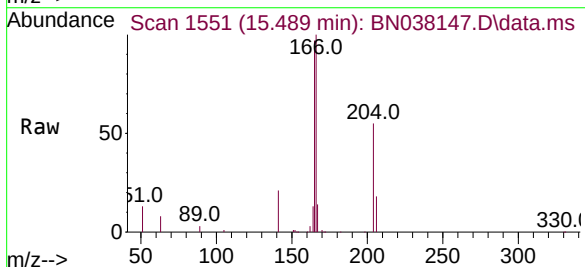
Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

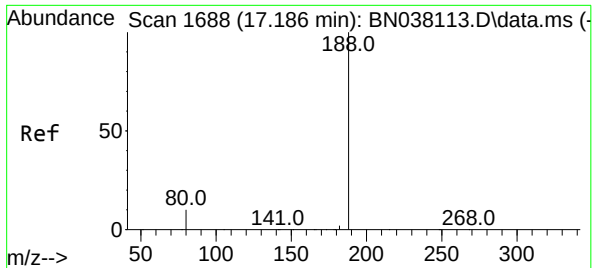
Tgt Ion:154 Resp: 16587
Ion Ratio Lower Upper
154 100
153 114.2 90.0 135.0
152 61.8 47.3 70.9



#18
Fluorene
Concen: 0.394 ng
RT: 15.489 min Scan# 1551
Delta R.T. -0.000 min
Lab File: BN038147.D
Acq: 07 Nov 2025 09:39

Tgt Ion:166 Resp: 22116
Ion Ratio Lower Upper
166 100
165 98.5 79.0 118.4
167 13.5 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: BN038147.D

Acq: 07 Nov 2025 09:39

Instrument :

BNA_N

ClientSampleId :

SSTDCCC0.4

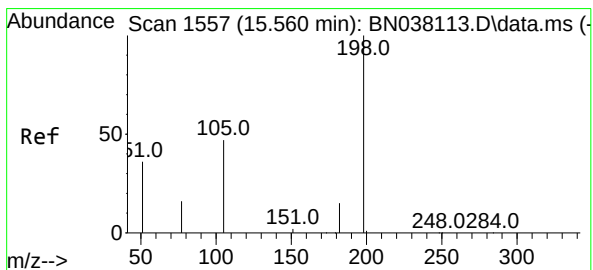
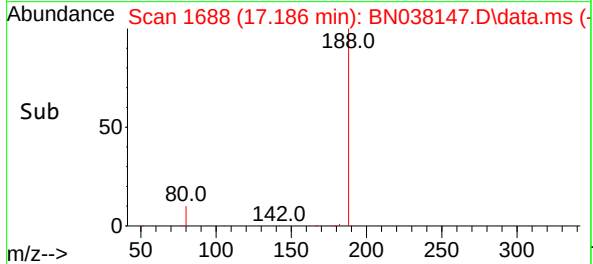
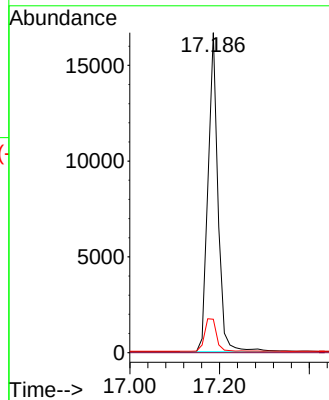
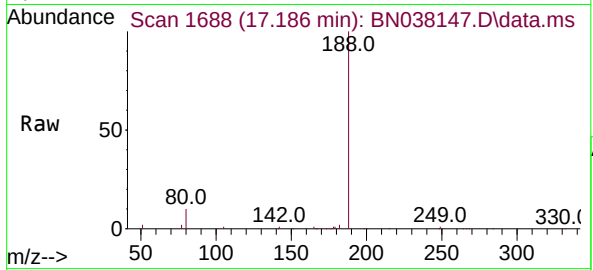
Tgt Ion:188 Resp: 25821

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

80 10.4 8.6 13.0



#20

4,6-Dinitro-2-methylphenol

Concen: 0.378 ng

RT: 15.560 min Scan# 1557

Delta R.T. -0.000 min

Lab File: BN038147.D

Acq: 07 Nov 2025 09:39

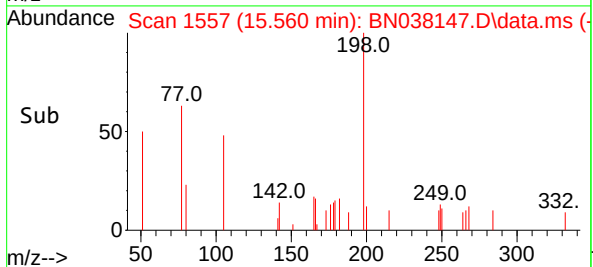
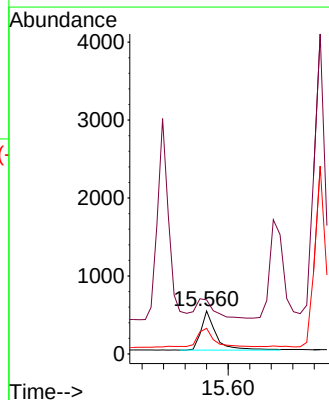
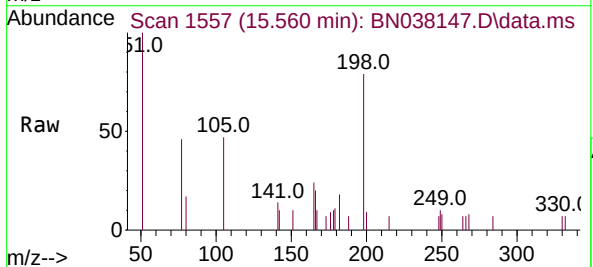
Tgt Ion:198 Resp: 954

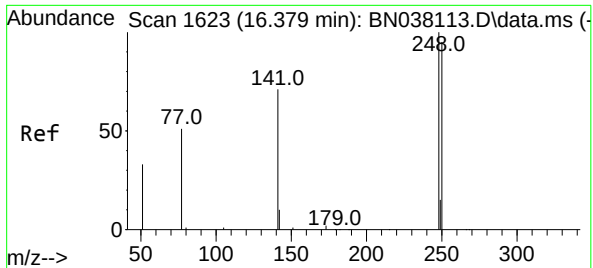
Ion Ratio Lower Upper

198 100

51 126.0 88.9 133.3

105 59.3 49.2 73.8

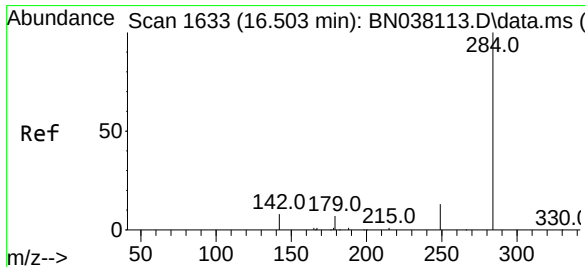
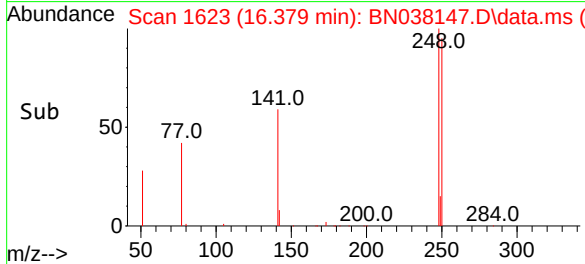
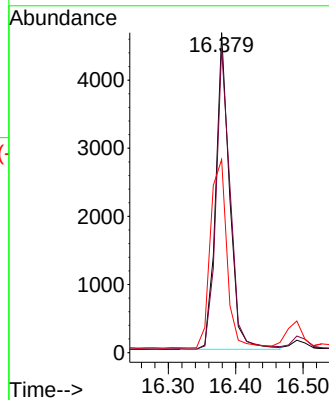
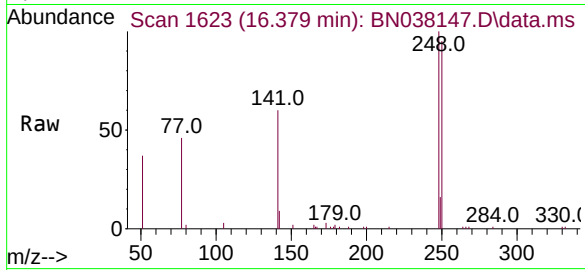




#21
4-Bromophenyl-phenylether
Concen: 0.393 ng
RT: 16.379 min Scan# 1623
Delta R.T. 0.000 min
Lab File: BN038147.D
Acq: 07 Nov 2025 09:39

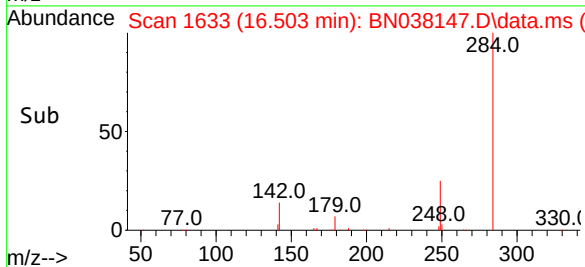
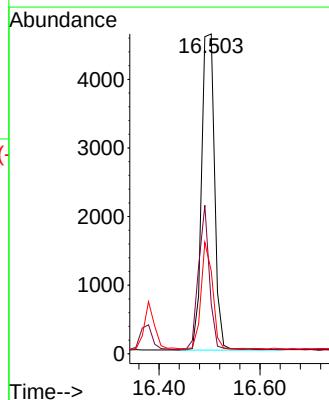
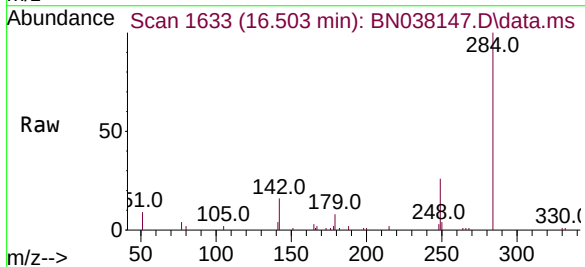
Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

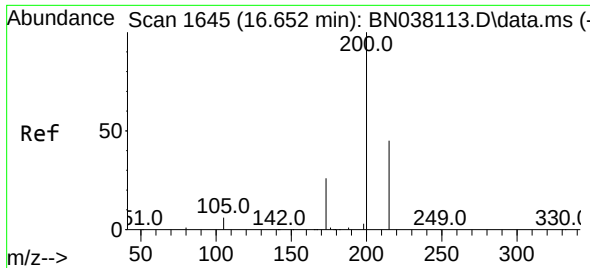
Tgt Ion	Ratio	Lower	Upper
248	100		
250	95.3	76.2	114.2
141	60.3	57.6	86.4



#22
Hexachlorobenzene
Concen: 0.426 ng
RT: 16.503 min Scan# 1633
Delta R.T. 0.000 min
Lab File: BN038147.D
Acq: 07 Nov 2025 09:39

Tgt Ion	Ratio	Lower	Upper
284	100		
142	38.1	30.5	45.7
249	29.4	23.5	35.3

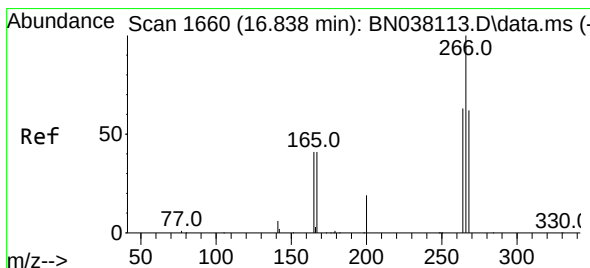
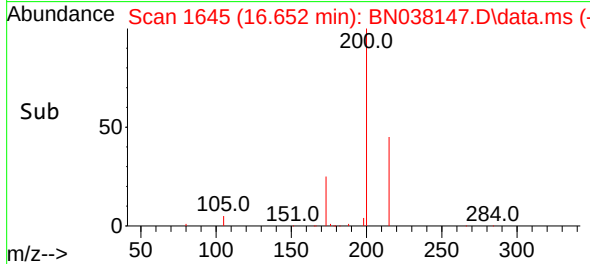
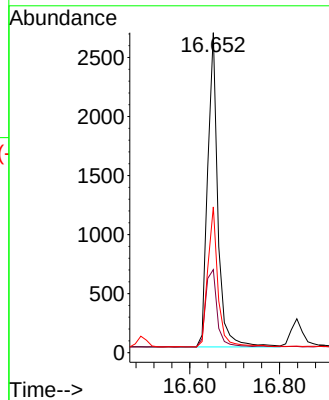
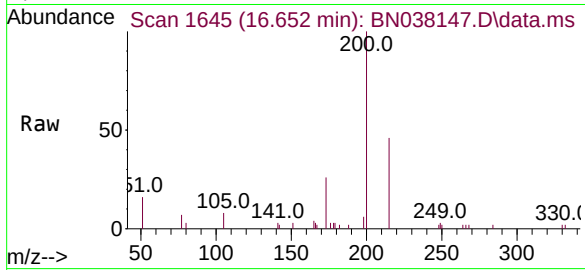




#23
Atrazine
Concen: 0.340 ng
RT: 16.652 min Scan# 1645
Delta R.T. 0.000 min
Lab File: BN038147.D
Acq: 07 Nov 2025 09:39

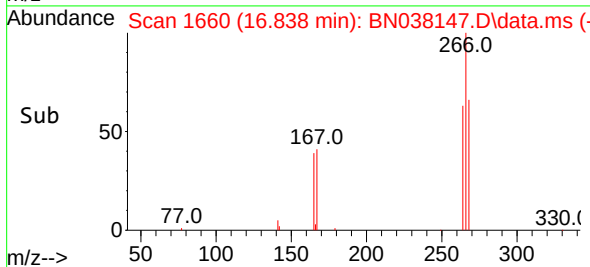
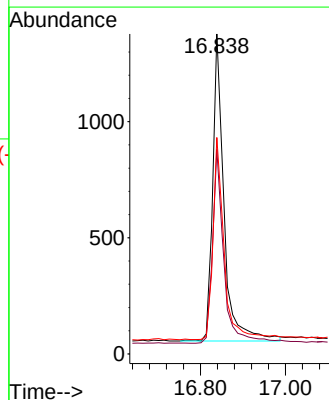
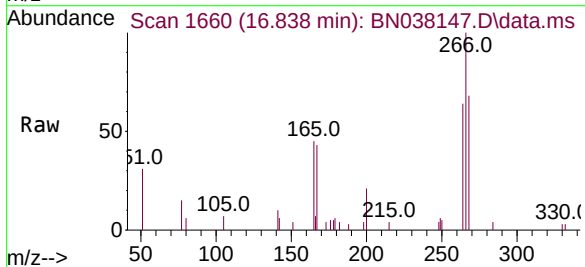
Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

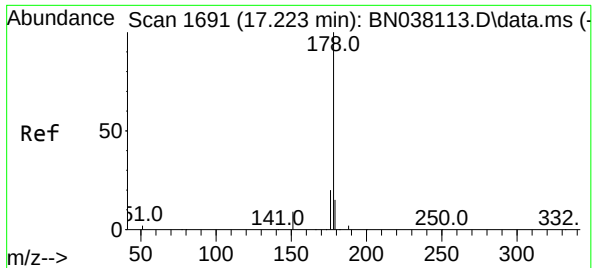
Tgt Ion	Ratio	Lower	Upper
200	100		
173	25.9	21.4	32.2
215	45.6	36.7	55.1



#24
Pentachlorophenol
Concen: 0.295 ng
RT: 16.838 min Scan# 1660
Delta R.T. 0.000 min
Lab File: BN038147.D
Acq: 07 Nov 2025 09:39

Tgt Ion	Ratio	Lower	Upper
266	100		
264	62.9	49.3	73.9
268	65.3	50.6	75.8

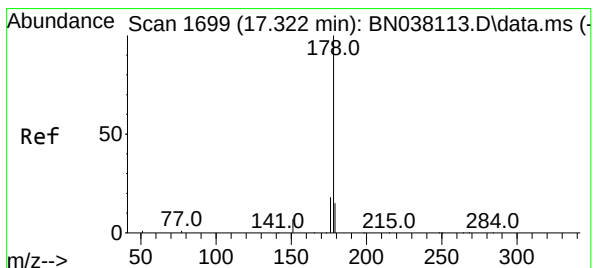
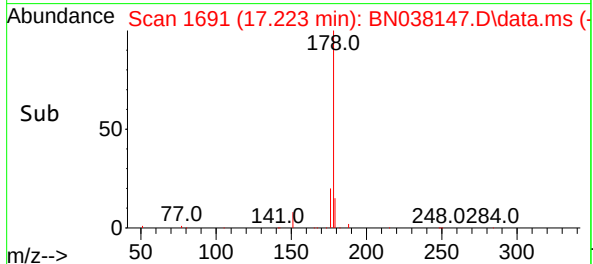
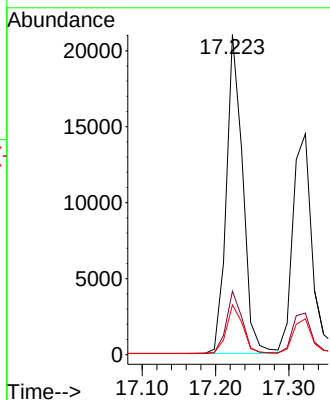
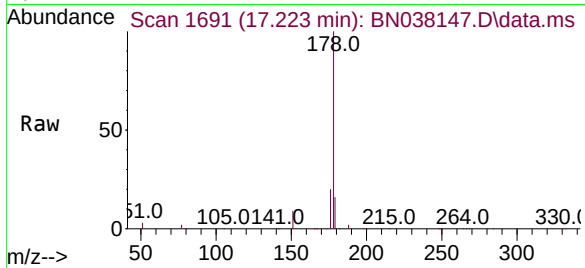




#25
Phenanthrene
Concen: 0.398 ng
RT: 17.223 min Scan# 1691
Delta R.T. 0.000 min
Lab File: BN038147.D
Acq: 07 Nov 2025 09:39

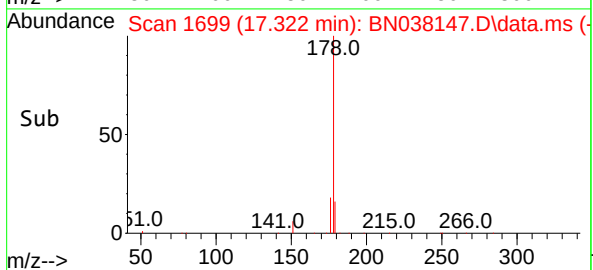
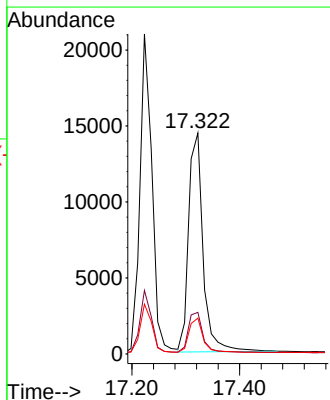
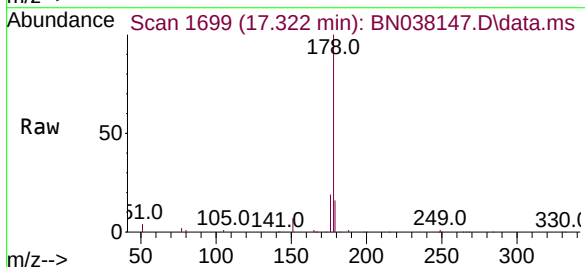
Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

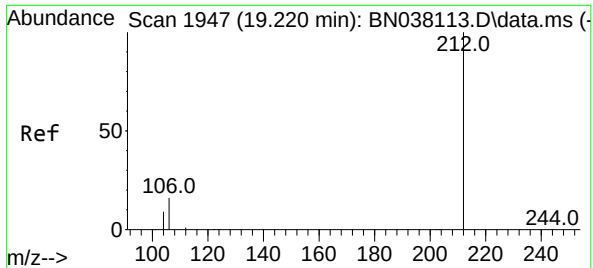
Tgt Ion:178 Resp: 32586
Ion Ratio Lower Upper
178 100
176 19.2 15.5 23.3
179 15.3 12.2 18.4



#26
Anthracene
Concen: 0.377 ng
RT: 17.322 min Scan# 1699
Delta R.T. 0.000 min
Lab File: BN038147.D
Acq: 07 Nov 2025 09:39

Tgt Ion:178 Resp: 27002
Ion Ratio Lower Upper
178 100
176 18.9 14.9 22.3
179 15.3 11.8 17.8

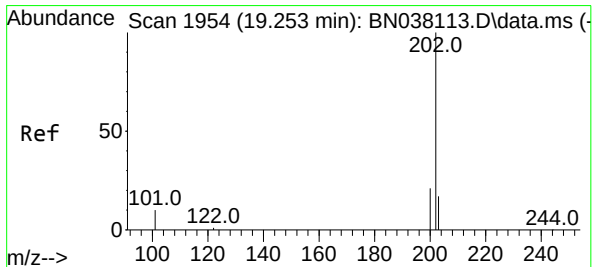
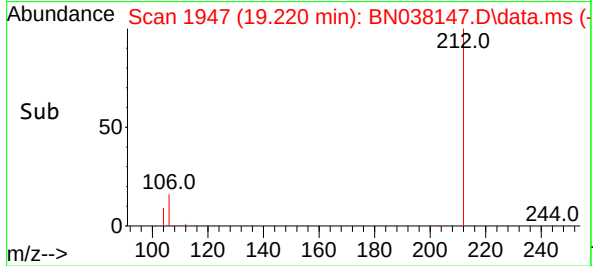
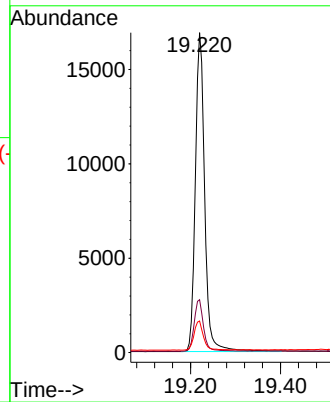
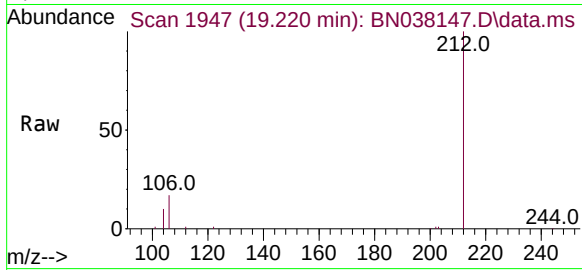




#27
Fluoranthene-d10
Concen: 0.376 ng
RT: 19.220 min Scan# 1947
Delta R.T. 0.000 min
Lab File: BN038147.D
Acq: 07 Nov 2025 09:39

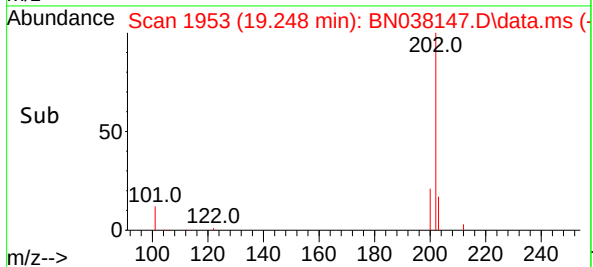
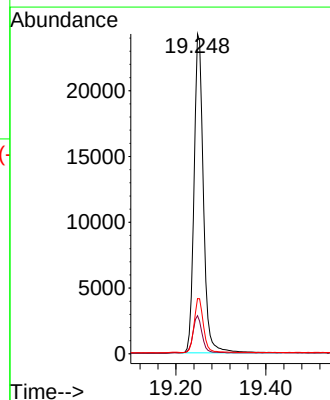
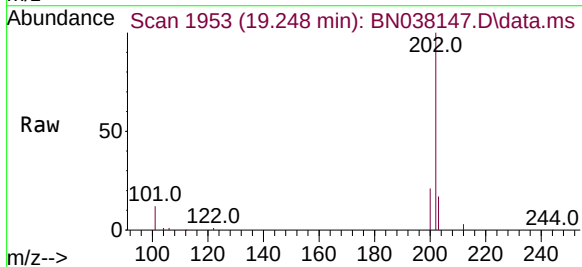
Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

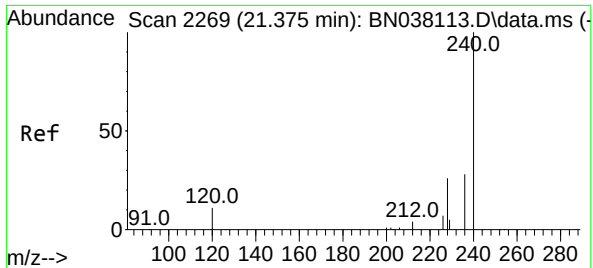
Tgt Ion	Ratio	Lower	Upper
212	100		
106	16.1	12.6	19.0
104	9.2	7.1	10.7



#28
Fluoranthene
Concen: 0.383 ng
RT: 19.248 min Scan# 1953
Delta R.T. -0.005 min
Lab File: BN038147.D
Acq: 07 Nov 2025 09:39

Tgt Ion	Ratio	Lower	Upper
202	100		
101	11.7	9.4	14.2
203	16.9	13.4	20.2

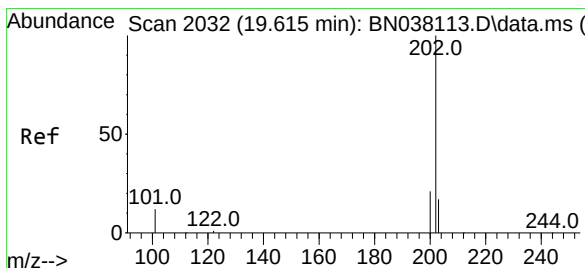
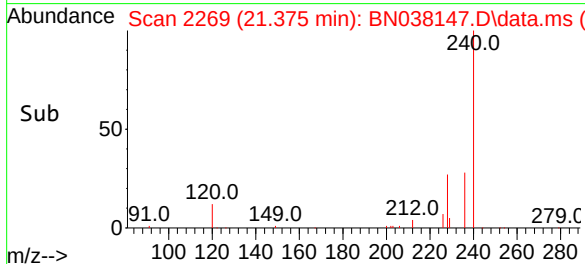
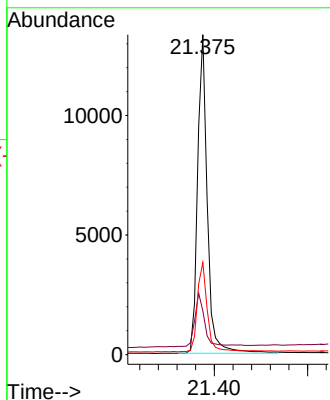
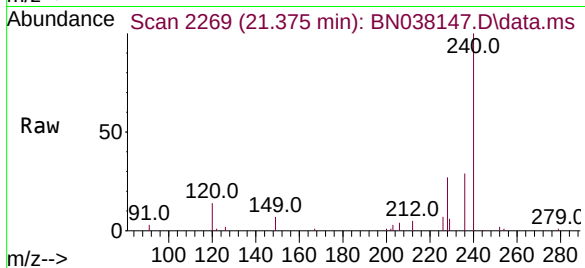




#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.375 min Scan# 21
Delta R.T. 0.000 min
Lab File: BN038147.D
Acq: 07 Nov 2025 09:39

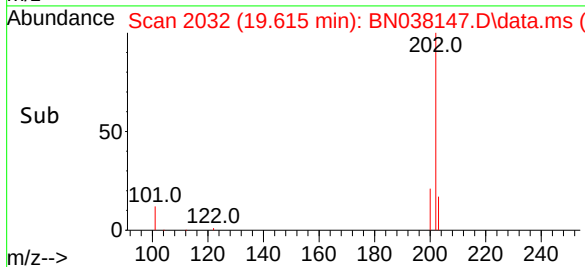
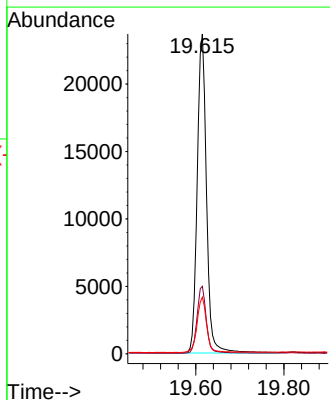
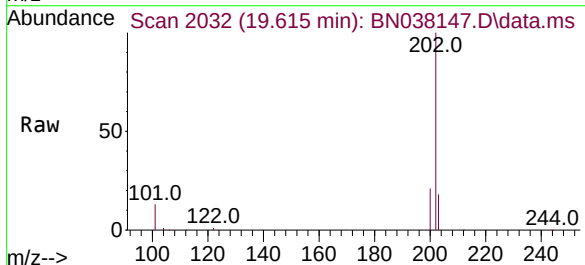
Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

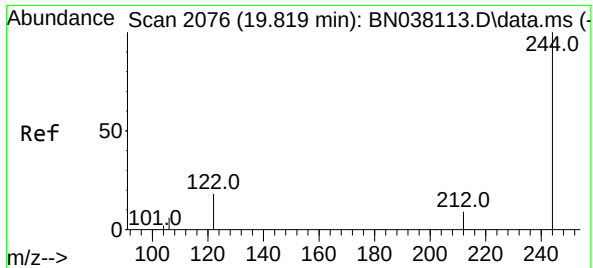
Tgt Ion	Ratio	Lower	Upper
240	100		
120	13.7	10.7	16.1
236	28.8	23.1	34.7



#30
Pyrene
Concen: 0.400 ng
RT: 19.615 min Scan# 2032
Delta R.T. 0.005 min
Lab File: BN038147.D
Acq: 07 Nov 2025 09:39

Tgt Ion	Ratio	Lower	Upper
202	100		
200	21.0	16.7	25.1
203	17.7	14.2	21.2

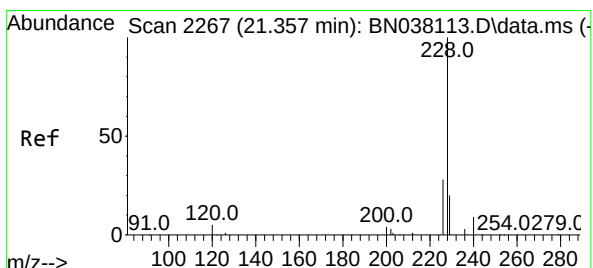
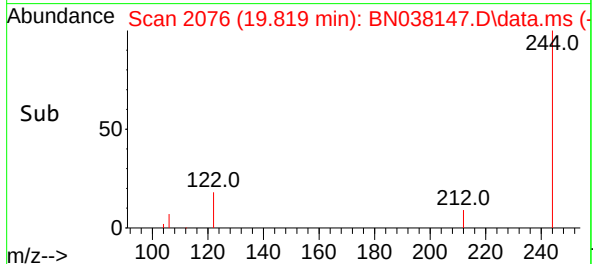
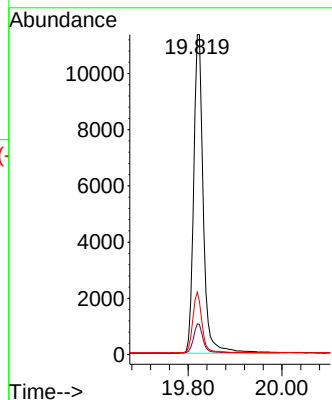
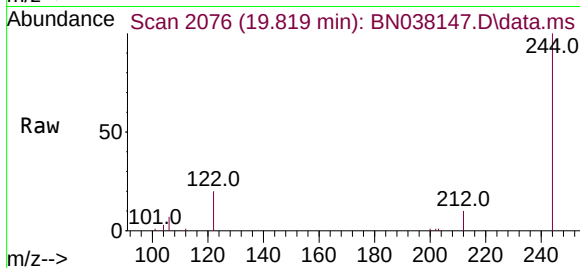




#31
Terphenyl-d14
Concen: 0.390 ng
RT: 19.819 min Scan# 2076
Delta R.T. 0.000 min
Lab File: BN038147.D
Acq: 07 Nov 2025 09:39

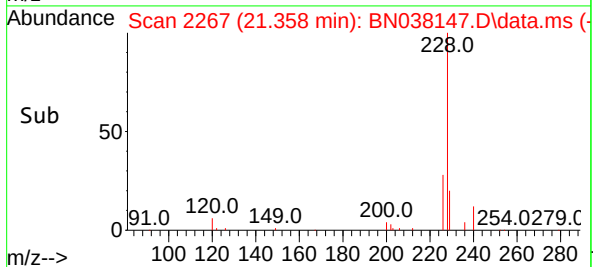
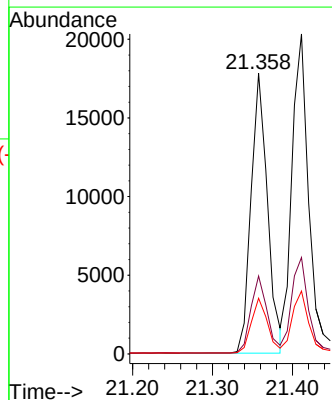
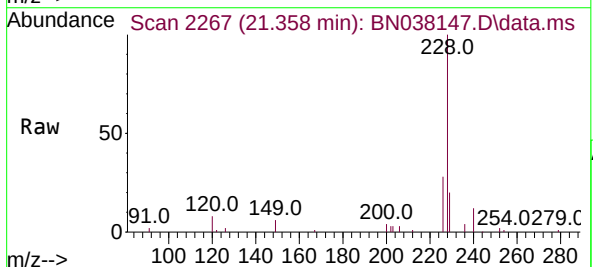
Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

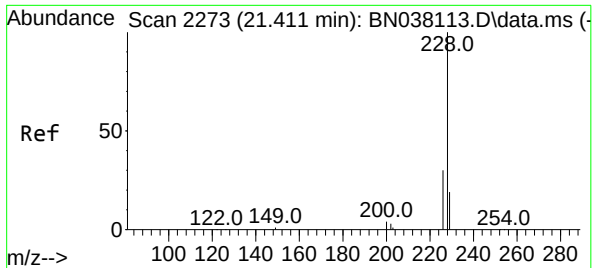
Tgt Ion	Ratio	Lower	Upper
244	100		
212	9.6	7.8	11.6
122	19.5	15.2	22.8



#32
Benzo(a)anthracene
Concen: 0.370 ng
RT: 21.358 min Scan# 2267
Delta R.T. 0.000 min
Lab File: BN038147.D
Acq: 07 Nov 2025 09:39

Tgt Ion	Ratio	Lower	Upper
228	100		
226	27.8	22.2	33.4
229	19.9	15.8	23.8

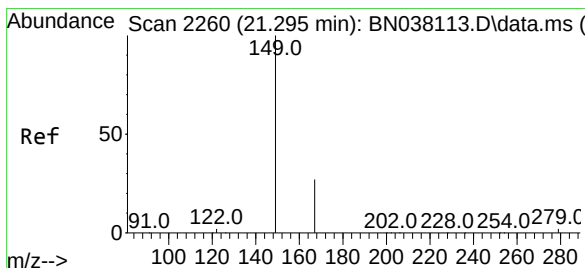
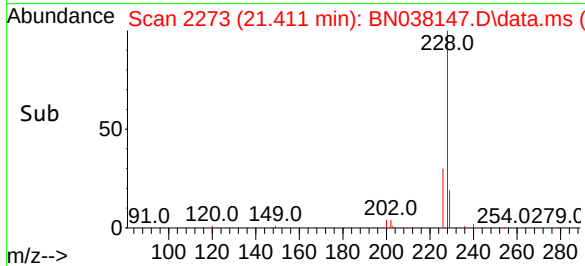
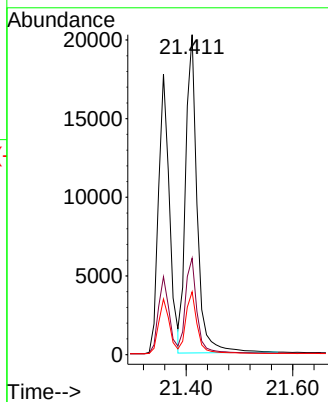
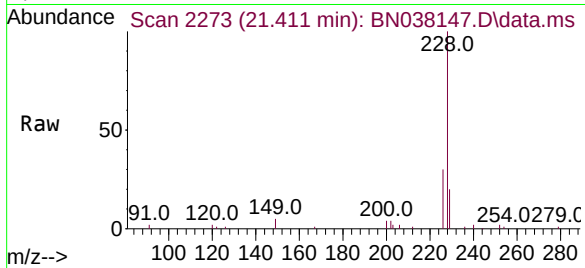




#33
Chrysene
Concen: 0.409 ng
RT: 21.411 min Scan# 21
Delta R.T. 0.000 min
Lab File: BN038147.D
Acq: 07 Nov 2025 09:39

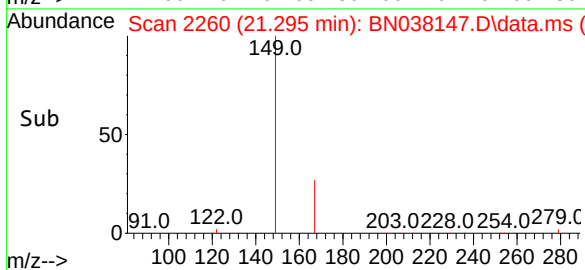
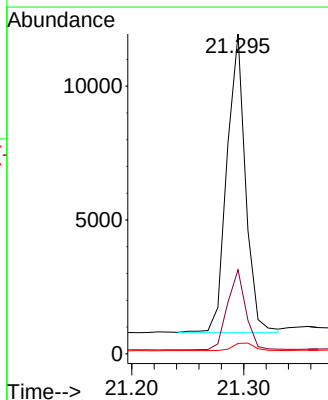
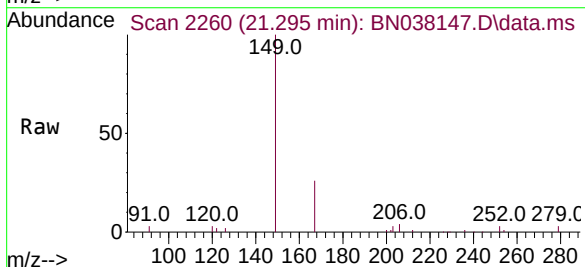
Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

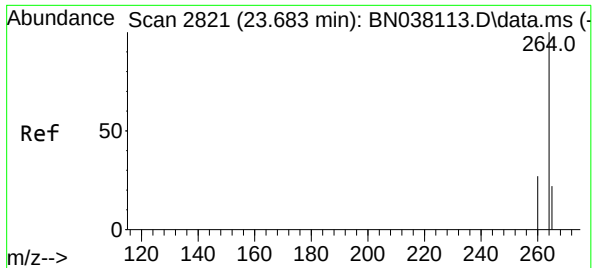
Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.1	24.3	36.5
229	19.6	15.7	23.5



#34
Bis(2-ethylhexyl)phthalate
Concen: 0.356 ng
RT: 21.295 min Scan# 2260
Delta R.T. 0.000 min
Lab File: BN038147.D
Acq: 07 Nov 2025 09:39

Tgt Ion	Ratio	Lower	Upper
149	100		
167	26.5	21.1	31.7
279	3.0	2.9	4.3

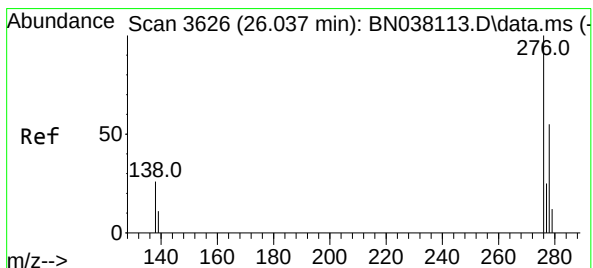
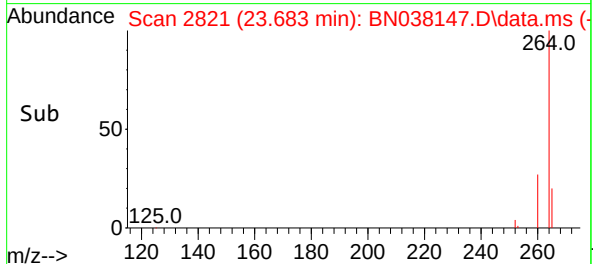
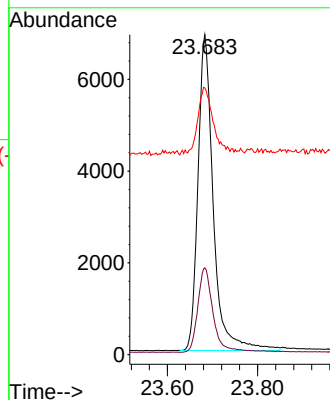
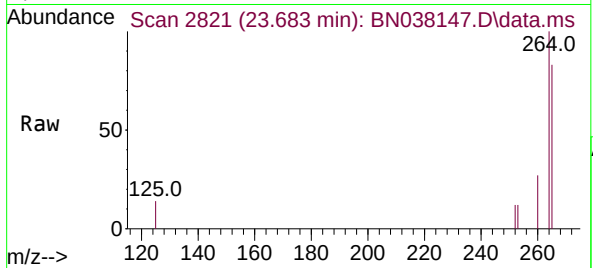




#35
Perylene-d12
Concen: 0.400 ng
RT: 23.683 min Scan# 2821
Delta R.T. 0.003 min
Lab File: BN038147.D
Acq: 07 Nov 2025 09:39

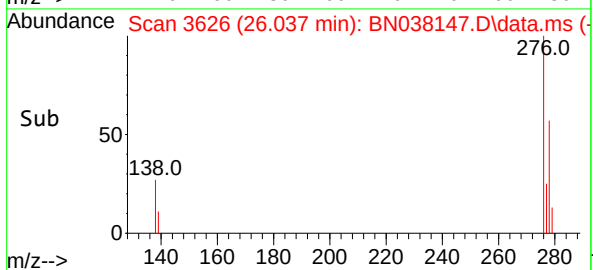
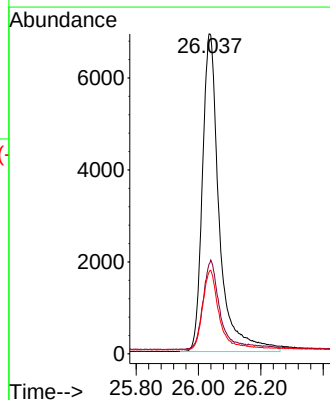
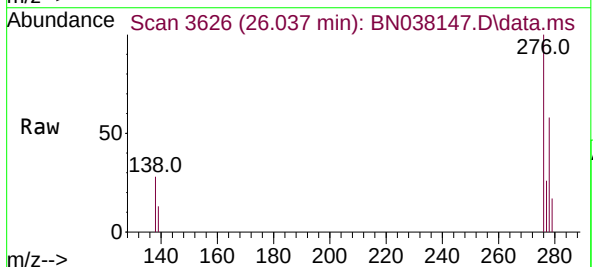
Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

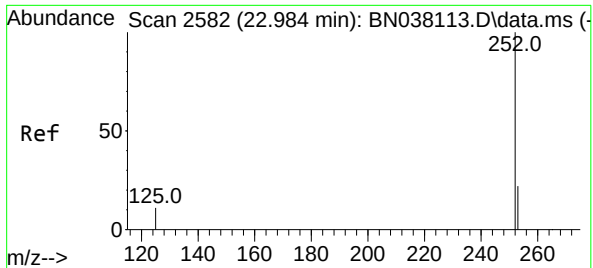
Tgt Ion:264 Resp: 16199
Ion Ratio Lower Upper
264 100
260 27.2 21.8 32.8
265 83.3 68.6 102.8



#36
Indeno(1,2,3-cd)pyrene
Concen: 0.391 ng
RT: 26.037 min Scan# 3626
Delta R.T. 0.003 min
Lab File: BN038147.D
Acq: 07 Nov 2025 09:39

Tgt Ion:276 Resp: 26025
Ion Ratio Lower Upper
276 100
138 27.4 21.4 32.0
277 24.2 19.2 28.8





#37

Benzo(b)fluoranthene

Concen: 0.394 ng

RT: 22.984 min Scan# 21

Delta R.T. 0.003 min

Lab File: BN038147.D

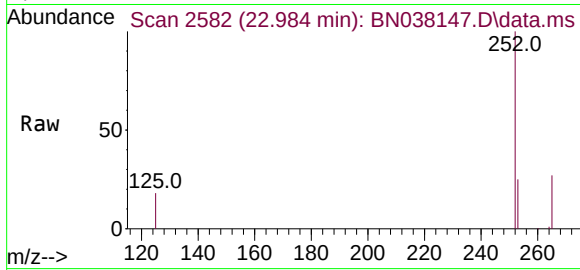
Acq: 07 Nov 2025 09:39

Instrument :

BNA_N

ClientSampleId :

SSTDCCC0.4



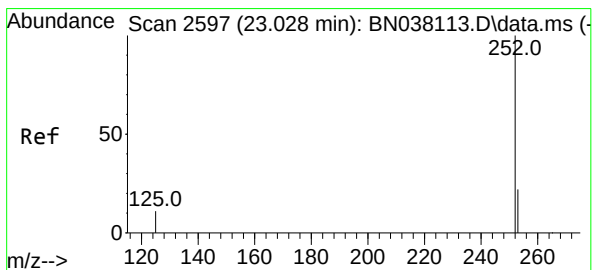
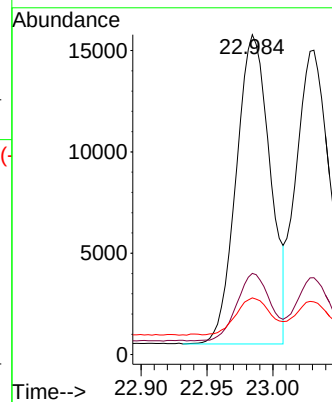
Tgt Ion:252 Resp: 27308

Ion Ratio Lower Upper

252 100

253 25.4 20.9 31.3

125 17.7 14.1 21.1



#38

Benzo(k)fluoranthene

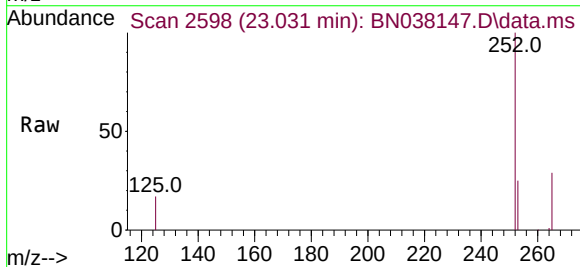
Concen: 0.404 ng

RT: 23.031 min Scan# 2598

Delta R.T. 0.003 min

Lab File: BN038147.D

Acq: 07 Nov 2025 09:39



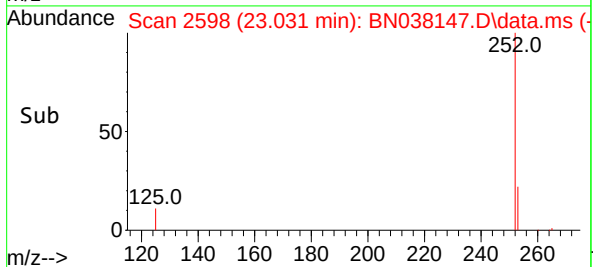
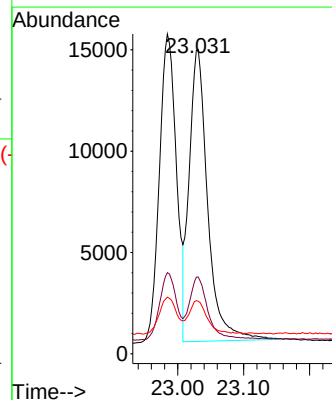
Tgt Ion:252 Resp: 28137

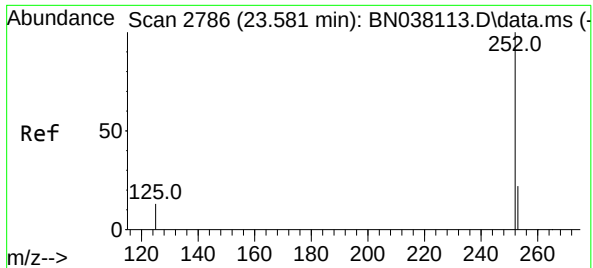
Ion Ratio Lower Upper

252 100

253 25.3 21.2 31.8

125 17.3 14.6 22.0





#39

Benzo(a)pyrene

Concen: 0.378 ng

RT: 23.584 min Scan# 21

Delta R.T. 0.006 min

Lab File: BN038147.D

Acq: 07 Nov 2025 09:39

Instrument :

BNA_N

ClientSampleId :

SSTDCCC0.4

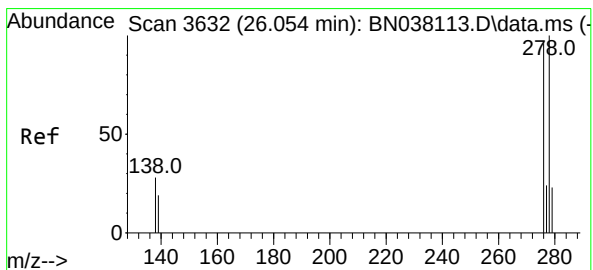
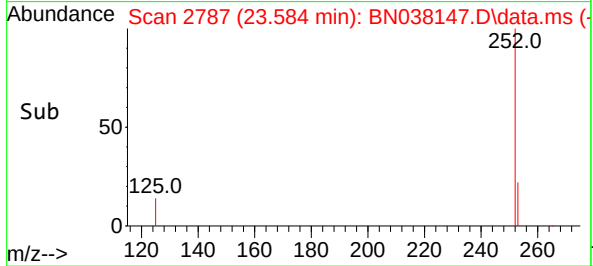
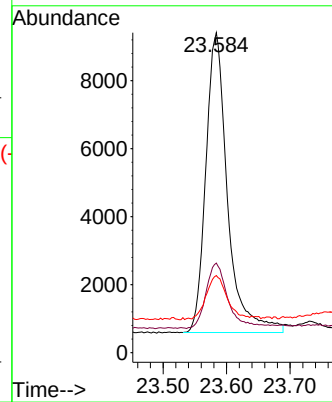
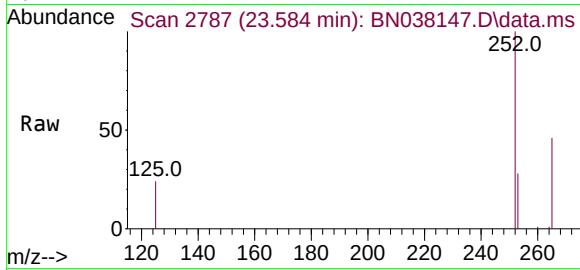
Tgt Ion:252 Resp: 20969

Ion Ratio Lower Upper

252 100

253 28.0 23.1 34.7

125 24.1 18.6 28.0



#40

Dibenzo(a,h)anthracene

Concen: 0.384 ng

RT: 26.048 min Scan# 3630

Delta R.T. 0.000 min

Lab File: BN038147.D

Acq: 07 Nov 2025 09:39

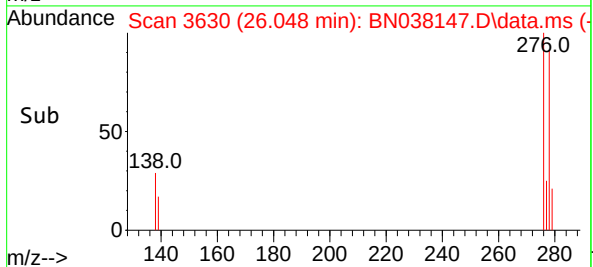
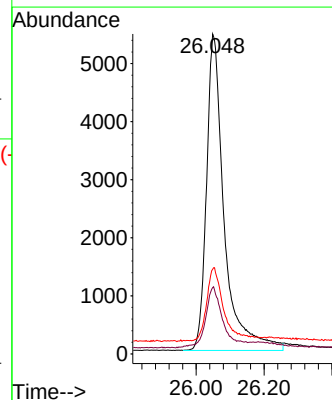
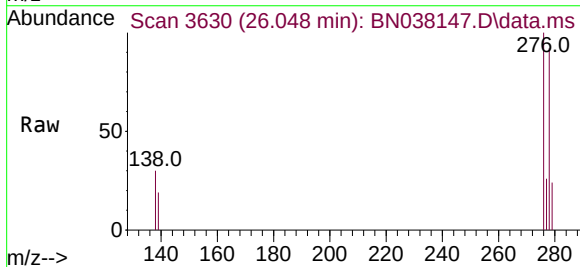
Tgt Ion:278 Resp: 19684

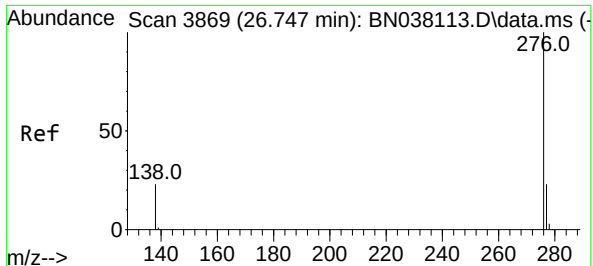
Ion Ratio Lower Upper

278 100

139 20.7 17.6 26.4

279 26.4 22.6 33.8





#41

Benzo(g,h,i)perylene

Concen: 0.397 ng

RT: 26.753 min Scan# 38

Delta R.T. 0.003 min

Lab File: BN038147.D

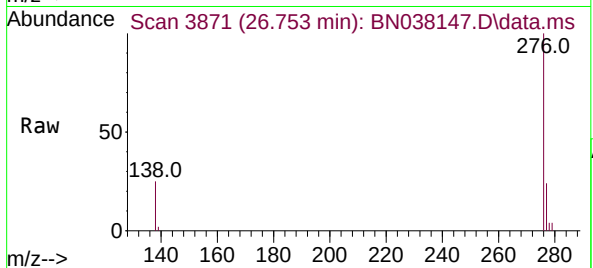
Acq: 07 Nov 2025 09:39

Instrument :

BNA_N

ClientSampleId :

SSTDCCC0.4



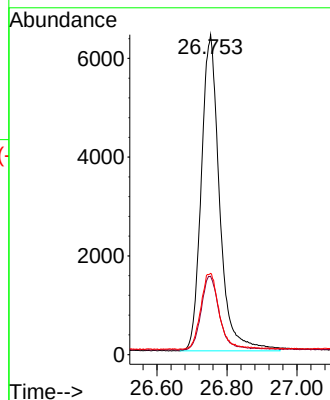
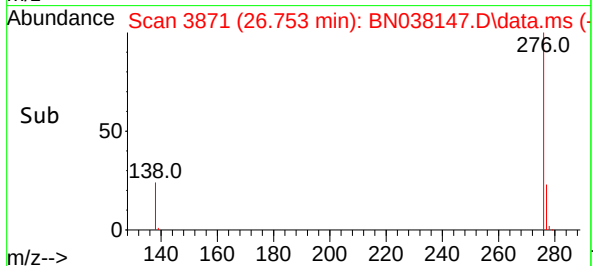
Tgt Ion:276 Resp: 23204

Ion Ratio Lower Upper

276 100

277 24.5 19.7 29.5

138 25.4 20.2 30.4



Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN110725\
 Data File : BN038147.D
 Acq On : 07 Nov 2025 09:39
 Operator : RC/JU
 Sample : SSTDCCC0.4
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_N
 LabSampleId :
 SSTDCCC0.4

Quant Time: Nov 07 10:03:14 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

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1 I	1,4-Dichlorobenzene-d4	0.400	0.400	0.0	91	0.00
2	1,4-Dioxane	0.400	0.394	1.5	87	0.00
3	n-Nitrosodimethylamine	0.400	0.386	3.5	87	0.00
4 S	2-Fluorophenol	0.400	0.359	10.3	80	0.00
5 S	Phenol-d6	0.400	0.361	9.8	83	0.00
6	bis(2-Chloroethyl)ether	0.400	0.384	4.0	87	0.00
7 I	Naphthalene-d8	0.400	0.400	0.0	89	0.00
8 S	Nitrobenzene-d5	0.400	0.384	4.0	88	0.00
9	Naphthalene	0.400	0.397	0.8	90	0.00
10	Hexachlorobutadiene	0.400	0.423	-5.7	94	0.00
11 SURR	2-Methylnaphthalene-d10	0.400	0.382	4.5	88	0.00
12	2-Methylnaphthalene	0.400	0.383	4.3	89	0.00
13 I	Acenaphthene-d10	0.400	0.400	0.0	87	0.00
14 S	2,4,6-Tribromophenol	0.400	0.324	19.0	78	0.00
15 S	2-Fluorobiphenyl	0.400	0.389	2.8	86	0.00
16	Acenaphthylene	0.400	0.382	4.5	88	0.00
17	Acenaphthene	0.400	0.387	3.3	88	0.00
18	Fluorene	0.400	0.394	1.5	89	0.00
19 I	Phenanthrene-d10	0.400	0.400	0.0	88	0.00
20	4,6-Dinitro-2-methylphenol	0.400	0.378	5.5	72	0.00
21	4-Bromophenyl-phenylether	0.400	0.393	1.8	90	0.00
22	Hexachlorobenzene	0.400	0.426	-6.5	93	0.00
23	Atrazine	0.400	0.340	15.0	81	0.00
24	Pentachlorophenol	0.400	0.295	26.3#	77	0.00
25	Phenanthrene	0.400	0.398	0.5	90	0.00
26	Anthracene	0.400	0.377	5.8	87	0.00
27 SURR	Fluoranthene-d10	0.400	0.376	6.0	87	0.00
28	Fluoranthene	0.400	0.383	4.3	88	0.00
29 I	Chrysene-d12	0.400	0.400	0.0	89	0.00
30	Pyrene	0.400	0.400	0.0	87	0.00
31 S	Terphenyl-d14	0.400	0.390	2.5	87	0.00
32	Benzo(a)anthracene	0.400	0.370	7.5	87	0.00
33	Chrysene	0.400	0.409	-2.2	91	0.00
34	Bis(2-ethylhexyl)phthalate	0.400	0.356	11.0	83	0.00
35 I	Perylene-d12	0.400	0.400	0.0	90	0.00
36	Indeno(1,2,3-cd)pyrene	0.400	0.391	2.3	90	0.00
37	Benzo(b)fluoranthene	0.400	0.394	1.5	93	0.00
38	Benzo(k)fluoranthene	0.400	0.404	-1.0	97	0.00
39 C	Benzo(a)pyrene	0.400	0.378	5.5	89	0.00
40	Dibenzo(a,h)anthracene	0.400	0.384	4.0	92	0.00
41	Benzo(g,h,i)perylene	0.400	0.397	0.8	91	0.00

(#) = Out of Range

SPCC's out = 0 CCC's out = 0

Instrument :

BNA_N

LabSampleId :

SSTDCCC0.4

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN110725\
 Data File : BN038147.D
 Acq On : 07 Nov 2025 09:39
 Operator : RC/JU
 Sample : SSTDCCC0.4
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_N
 LabSampleId :
 SSTDCCC0.4

Quant Time: Nov 07 10:03:14 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

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1 I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	91	0.00
2	1,4-Dioxane	0.413	0.407	1.5	87	0.00
3	n-Nitrosodimethylamine	0.532	0.514	3.4	87	0.00
4 S	2-Fluorophenol	0.942	0.847	10.1	80	0.00
5 S	Phenol-d6	1.148	1.036	9.8	83	0.00
6	bis(2-Chloroethyl)ether	1.128	1.082	4.1	87	0.00
7 I	Naphthalene-d8	1.000	1.000	0.0	89	0.00
8 S	Nitrobenzene-d5	0.323	0.310	4.0	88	0.00
9	Naphthalene	1.102	1.094	0.7	90	0.00
10	Hexachlorobutadiene	0.186	0.197	-5.9	94	0.00
11 SURR	2-Methylnaphthalene-d10	0.571	0.545	4.6	88	0.00
12	2-Methylnaphthalene	0.735	0.704	4.2	89	0.00
13 I	Acenaphthene-d10	1.000	1.000	0.0	87	0.00
14 S	2,4,6-Tribromophenol	0.165	0.133	19.4	78	0.00
15 S	2-Fluorobiphenyl	1.602	1.557	2.8	86	0.00
16	Acenaphthylene	1.811	1.729	4.5	88	0.00
17	Acenaphthene	1.267	1.227	3.2	88	0.00
18	Fluorene	1.661	1.637	1.4	89	0.00
19 I	Phenanthrene-d10	1.000	1.000	0.0	88	0.00
20	4,6-Dinitro-2-methylphenol	0.055	0.037	32.7#	72	0.00
21	4-Bromophenyl-phenylether	0.262	0.258	1.5	90	0.00
22	Hexachlorobenzene	0.298	0.318	-6.7	93	0.00
23	Atrazine	0.192	0.163	15.1	81	0.00
24	Pentachlorophenol	0.128	0.095	25.8#	77	0.00
25	Phenanthrene	1.270	1.262	0.6	90	0.00
26	Anthracene	1.111	1.046	5.9	87	0.00
27 SURR	Fluoranthene-d10	1.009	0.947	6.1	87	0.00
28	Fluoranthene	1.419	1.359	4.2	88	0.00
29 I	Chrysene-d12	1.000	1.000	0.0	89	0.00
30	Pyrene	1.806	1.806	0.0	87	0.00
31 S	Terphenyl-d14	0.869	0.848	2.4	87	0.00
32	Benzo(a)anthracene	1.427	1.322	7.4	87	0.00
33	Chrysene	1.549	1.583	-2.2	91	0.00
34	Bis(2-ethylhexyl)phthalate	0.752	0.669	11.0	83	0.00
35 I	Perylene-d12	1.000	1.000	0.0	90	0.00
36	Indeno(1,2,3-cd)pyrene	1.643	1.607	2.2	90	0.00
37	Benzo(b)fluoranthene	1.710	1.686	1.4	93	0.00
38	Benzo(k)fluoranthene	1.721	1.737	-0.9	97	0.00
39 C	Benzo(a)pyrene	1.369	1.294	5.5	89	0.00
40	Dibenzo(a,h)anthracene	1.265	1.215	4.0	92	0.00
41	Benzo(g,h,i)perylene	1.444	1.432	0.8	91	0.00

(#) = Out of Range

SPCC's out = 0 CCC's out = 0

Instrument :

BNA_N

LabSampleId :

SSTDCCC0.4



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

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name:	<u>Alliance</u>	Contract:	<u>REMI02</u>
Lab Code:	<u>ACE</u>	SDG No.:	<u>Q3534</u>
Instrument ID:	<u>BNA_N</u>	Calibration Date/Time:	<u>11/07/2025 22:18</u>
Lab File ID:	<u>BN038165.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	0.573		0.3	20.0
Fluoranthene-d10	1.008	0.902		-10.5	20.0
2-Fluorophenol	0.943	1.018		8.0	20.0
Phenol-d6	1.148	1.267		10.4	20.0
Nitrobenzene-d5	0.323	0.324		0.3	20.0
2-Fluorobiphenyl	1.602	1.451		-9.4	20.0
2,4,6-Tribromophenol	0.165	0.143		-13.3	20.0
Terphenyl-d14	0.869	0.993		14.3	20.0
1,4-Dioxane	0.416	0.399		-4.1	20.0

All other compounds must meet a minimum RRF of 0.010.

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN110725\
 Data File : BN038165.D
 Acq On : 07 Nov 2025 22:18
 Operator : RC/JU
 Sample : SSTDCCC0.4
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 SSTDCCC0.4

Quant Time: Nov 08 03:27:32 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)

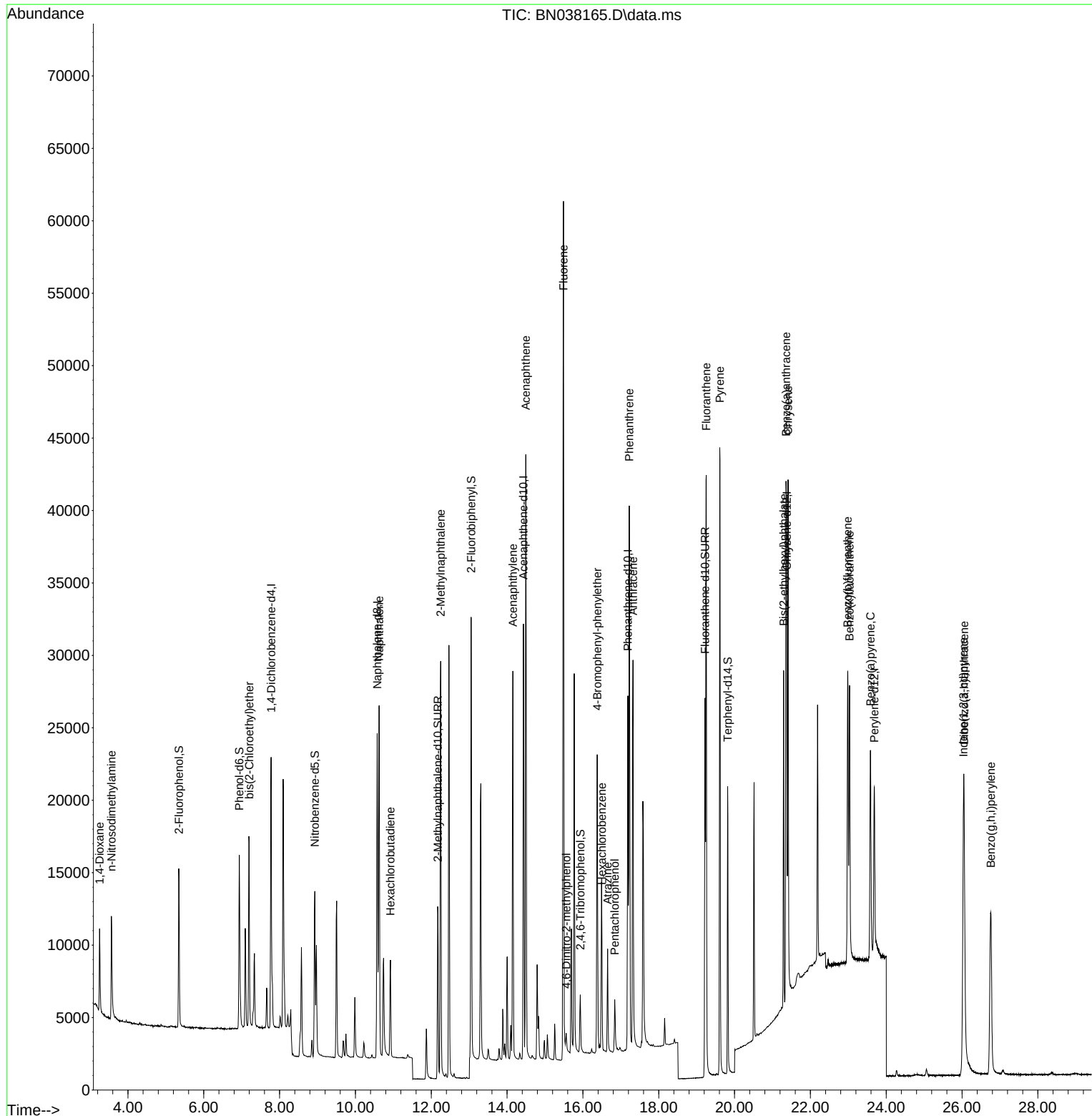
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.775	152	9349	0.400	ng	0.00
7) Naphthalene-d8	10.573	136	29936	0.400	ng	# 0.00
13) Acenaphthene-d10	14.430	164	17702	0.400	ng	0.00
19) Phenanthrene-d10	17.186	188	32727	0.400	ng	0.00
29) Chrysene-d12	21.375	240	20278	0.400	ng	0.00
35) Perylene-d12	23.686	264	17474	0.400	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.348	112	9515	0.432	ng	0.00
5) Phenol-d6	6.937	99	11841	0.441	ng	0.00
8) Nitrobenzene-d5	8.929	82	9699	0.401	ng	0.00
11) 2-Methylnaphthalene-d10	12.172	152	17156	0.401	ng	0.00
14) 2,4,6-Tribromophenol	15.932	330	2538	0.348	ng	0.00
15) 2-Fluorobiphenyl	13.051	172	25691	0.362	ng	0.00
27) Fluoranthene-d10	19.220	212	29527	0.358	ng	0.00
31) Terphenyl-d14	19.819	244	20132	0.457	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.254	88	3731	0.386	ng	98
3) n-Nitrosodimethylamine	3.564	42	4910	0.395	ng	# 97
6) bis(2-Chloroethyl)ether	7.197	93	10474	0.397	ng	100
9) Naphthalene	10.626	128	32268	0.391	ng	100
10) Hexachlorobutadiene	10.925	225	5546	0.399	ng	# 99
12) 2-Methylnaphthalene	12.248	142	21987	0.400	ng	99
16) Acenaphthylene	14.152	152	30462	0.380	ng	99
17) Acenaphthene	14.494	154	20975	0.374	ng	99
18) Fluorene	15.489	166	27792	0.378	ng	100
20) 4,6-Dinitro-2-methylph...	15.560	198	923	0.332	ng	85
21) 4-Bromophenyl-phenylether	16.379	248	8555	0.399	ng	94
22) Hexachlorobenzene	16.503	284	9625	0.394	ng	99
23) Atrazine	16.652	200	5820	0.370	ng	99
24) Pentachlorophenol	16.838	266	2261	0.215	ng	99
25) Phenanthrene	17.223	178	39632	0.381	ng	100
26) Anthracene	17.322	178	33784	0.372	ng	99
28) Fluoranthene	19.252	202	40586	0.350	ng	99
30) Pyrene	19.610	202	40348	0.441	ng	100
32) Benzo(a)anthracene	21.357	228	27925	0.386	ng	99
33) Chrysene	21.411	228	30651	0.390	ng	100
34) Bis(2-ethylhexyl)phtha...	21.295	149	19368	0.508	ng	99
36) Indeno(1,2,3-cd)pyrene	26.037	276	30755	0.428	ng	99
37) Benzo(b)fluoranthene	22.984	252	26901	0.360	ng	96
38) Benzo(k)fluoranthene	23.031	252	27077	0.360	ng	98
39) Benzo(a)pyrene	23.584	252	22676	0.379	ng	95
40) Dibenzo(a,h)anthracene	26.054	278	24138	0.437	ng	97
41) Benzo(g,h,i)perylene	26.759	276	26416	0.419	ng	99

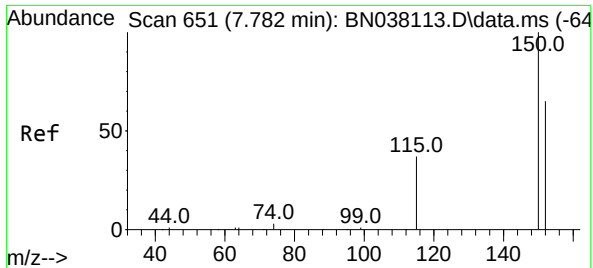
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN110725\
Data File : BN038165.D
Acq On : 07 Nov 2025 22:18
Operator : RC/JU
Sample : SSTDCCC0.4
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Quant Time: Nov 08 03:27:32 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

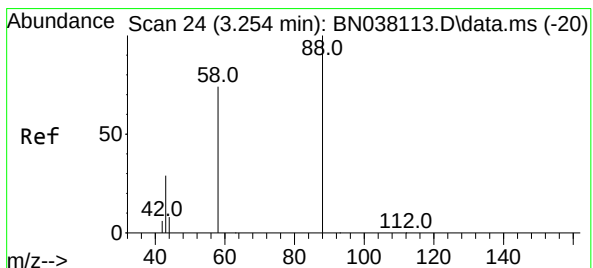
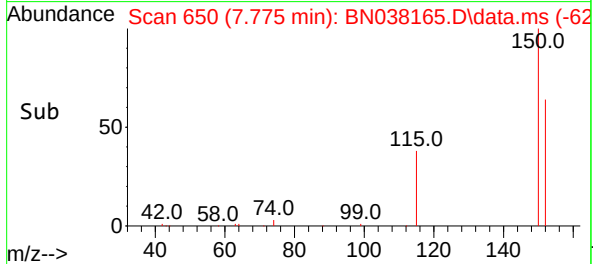
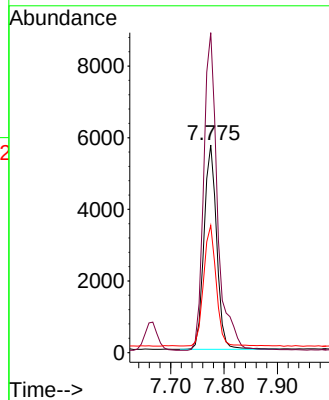
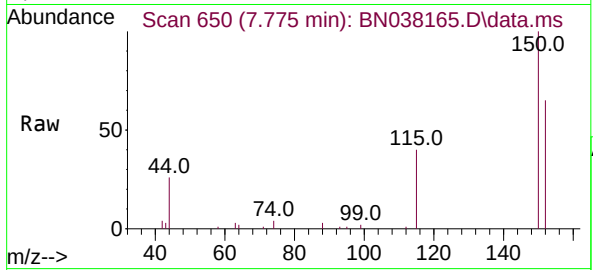




#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.775 min Scan# 61
Delta R.T. -0.000 min
Lab File: BN038165.D
Acq: 07 Nov 2025 22:18

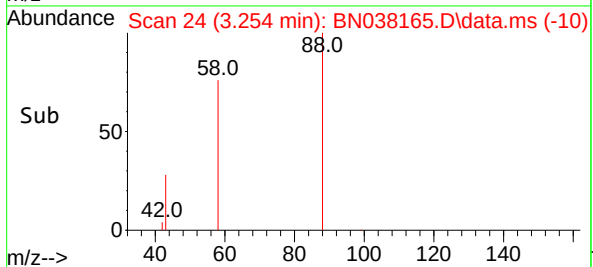
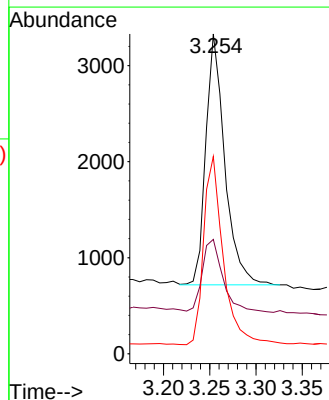
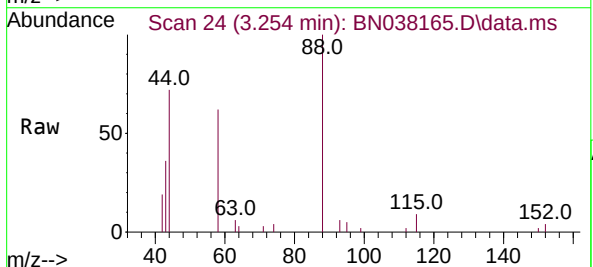
Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

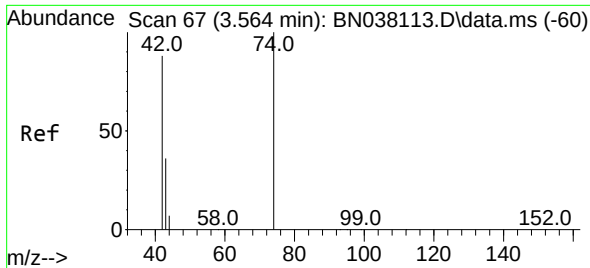
Tgt Ion:152 Resp: 9349
Ion Ratio Lower Upper
152 100
150 154.1 122.3 183.5
115 61.2 47.4 71.0



#2
1,4-Dioxane
Concen: 0.386 ng
RT: 3.254 min Scan# 24
Delta R.T. -0.000 min
Lab File: BN038165.D
Acq: 07 Nov 2025 22:18

Tgt Ion: 88 Resp: 3731
Ion Ratio Lower Upper
88 100
43 31.7 24.3 36.5
58 77.2 60.4 90.6

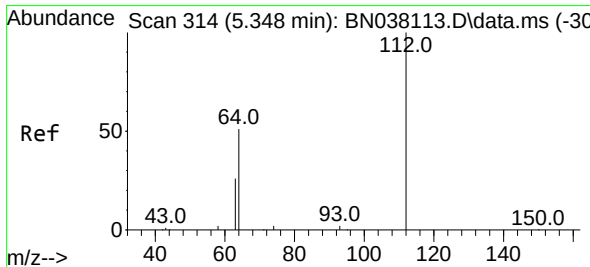
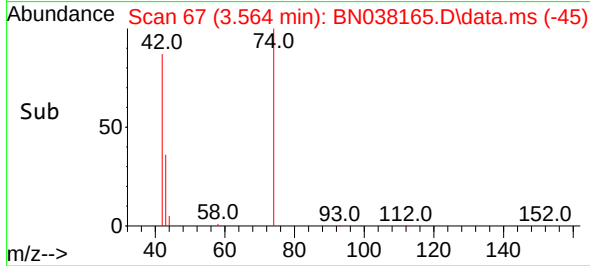
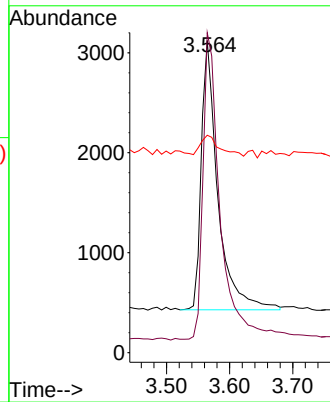
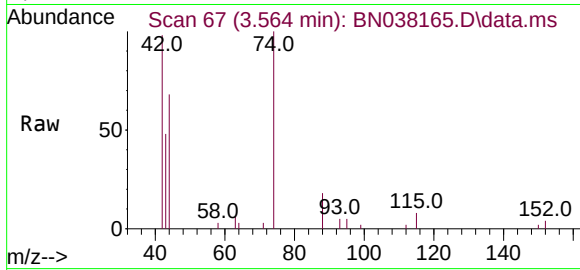




#3
n-Nitrosodimethylamine
Concen: 0.395 ng
RT: 3.564 min Scan# 61
Delta R.T. 0.007 min
Lab File: BN038165.D
Acq: 07 Nov 2025 22:18

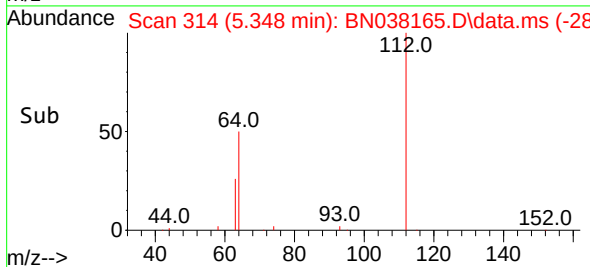
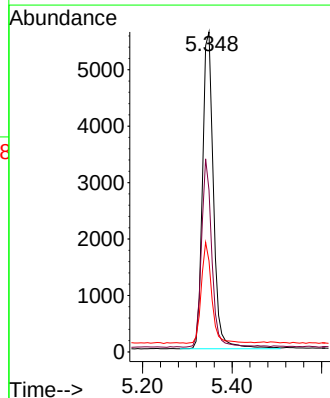
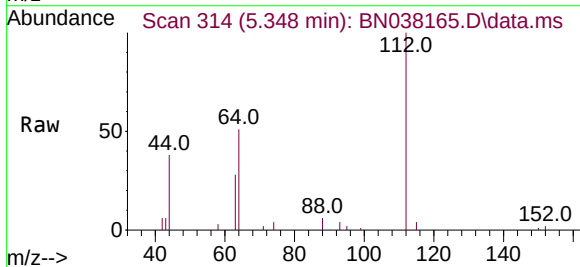
Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

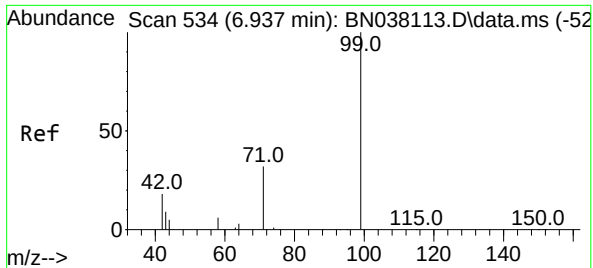
Tgt Ion: 42 Resp: 4910
Ion Ratio Lower Upper
42 100
74 118.4 96.8 145.2
44 8.7 5.3 7.9#



#4
2-Fluorophenol
Concen: 0.432 ng
RT: 5.348 min Scan# 314
Delta R.T. -0.000 min
Lab File: BN038165.D
Acq: 07 Nov 2025 22:18

Tgt Ion: 112 Resp: 9515
Ion Ratio Lower Upper
112 100
64 55.9 45.4 68.0
63 30.3 23.2 34.8

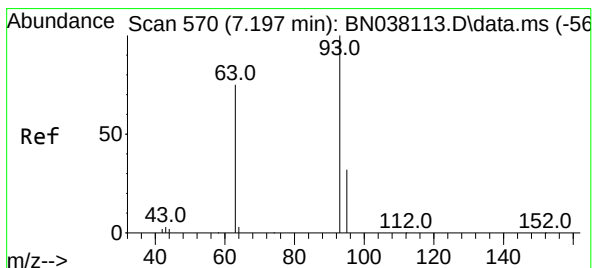
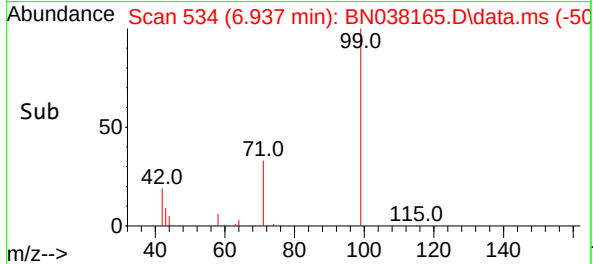
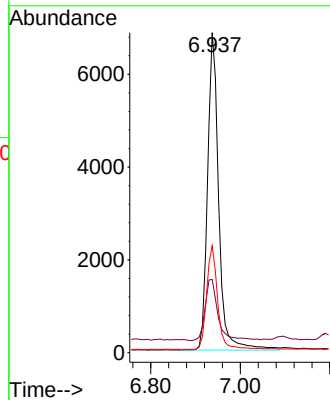
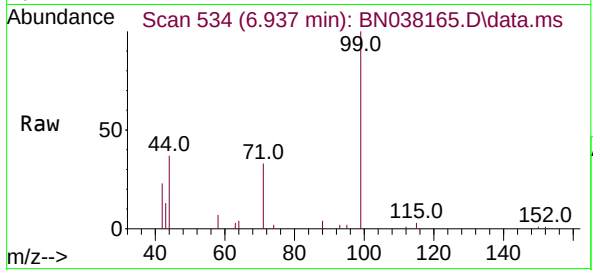




#5
Phenol-d6
Concen: 0.441 ng
RT: 6.937 min Scan# 534
Delta R.T. -0.000 min
Lab File: BN038165.D
Acq: 07 Nov 2025 22:18

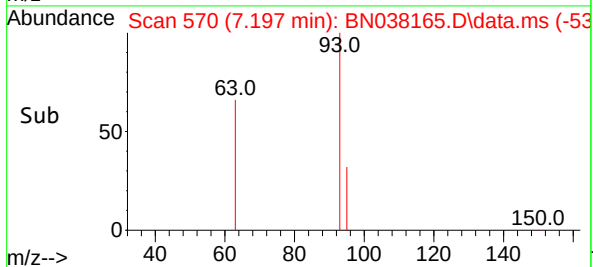
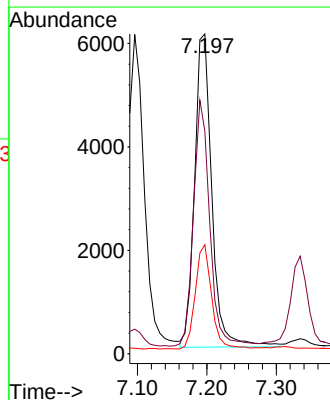
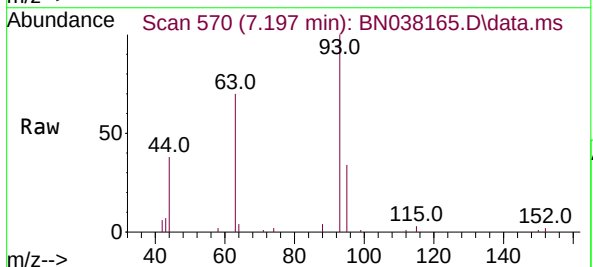
Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

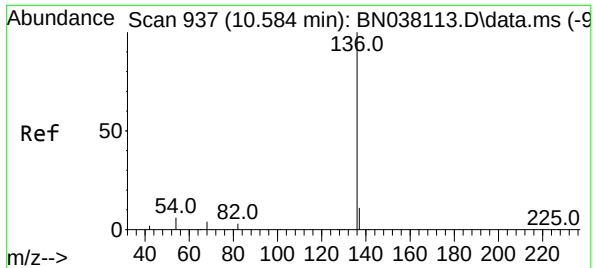
Tgt Ion: 99 Resp: 11841
Ion Ratio Lower Upper
99 100
42 22.3 16.6 24.8
71 32.9 25.4 38.2



#6
bis(2-Chloroethyl)ether
Concen: 0.397 ng
RT: 7.197 min Scan# 570
Delta R.T. -0.000 min
Lab File: BN038165.D
Acq: 07 Nov 2025 22:18

Tgt Ion: 93 Resp: 10474
Ion Ratio Lower Upper
93 100
63 73.9 59.3 88.9
95 31.4 25.2 37.8

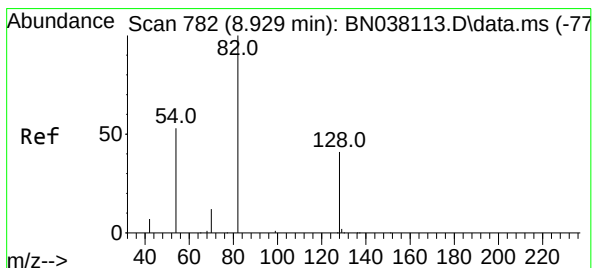
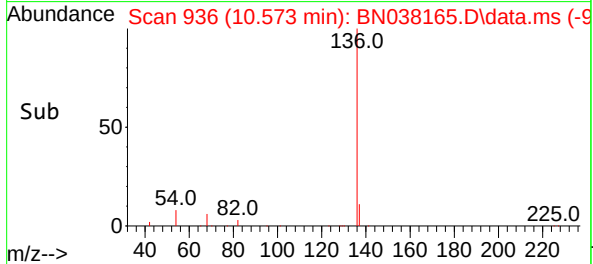
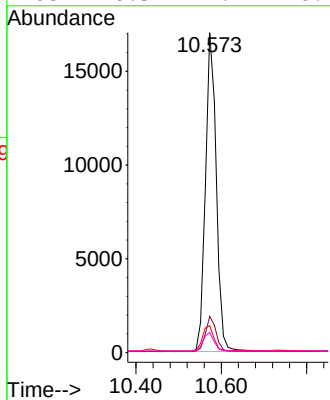
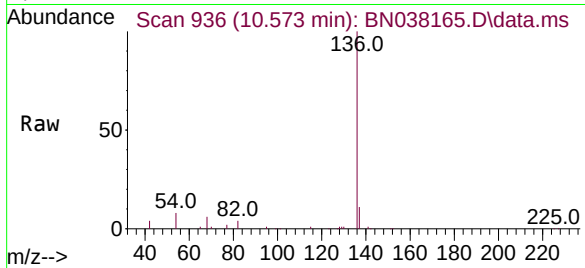




#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.573 min Scan# 936
Delta R.T. -0.000 min
Lab File: BN038165.D
Acq: 07 Nov 2025 22:18

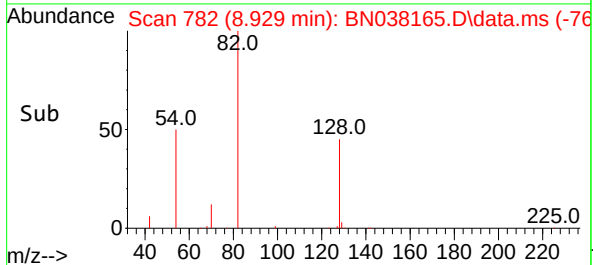
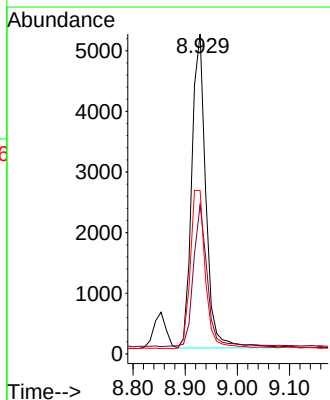
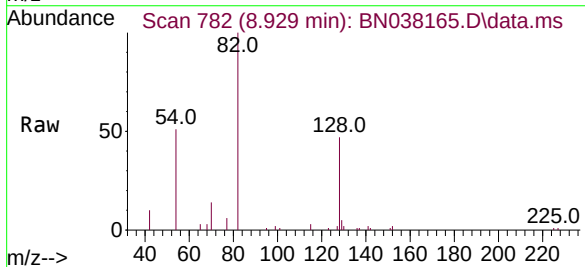
Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

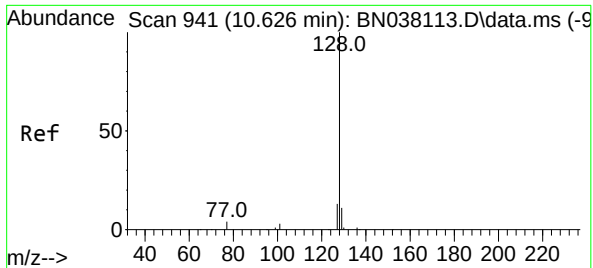
Tgt Ion:	136	Resp:	29936
Ion	Ratio	Lower	Upper
136	100		
137	11.3	9.0	13.4
54	8.4	5.2	7.8#
68	6.3	4.1	6.1#



#8
Nitrobenzene-d5
Concen: 0.401 ng
RT: 8.929 min Scan# 782
Delta R.T. -0.000 min
Lab File: BN038165.D
Acq: 07 Nov 2025 22:18

Tgt Ion:	82	Resp:	9699
Ion	Ratio	Lower	Upper
82	100		
128	46.6	34.1	51.1
54	51.1	43.5	65.3

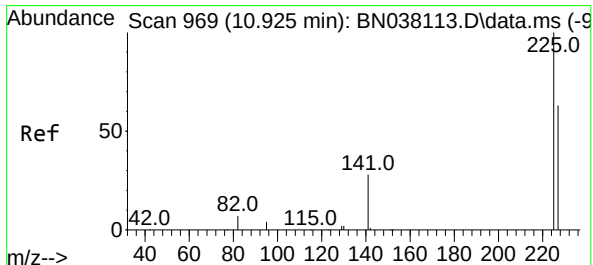
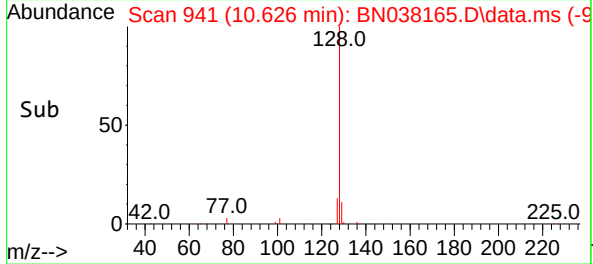
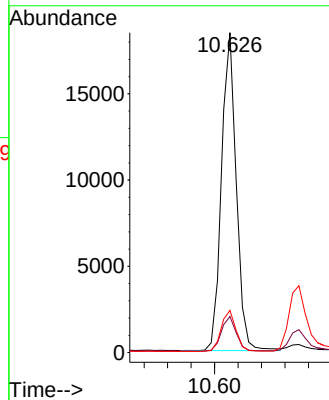
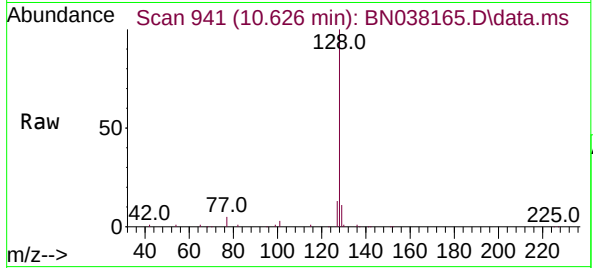




#9
Naphthalene
Concen: 0.391 ng
RT: 10.626 min Scan# 941
Delta R.T. -0.000 min
Lab File: BN038165.D
Acq: 07 Nov 2025 22:18

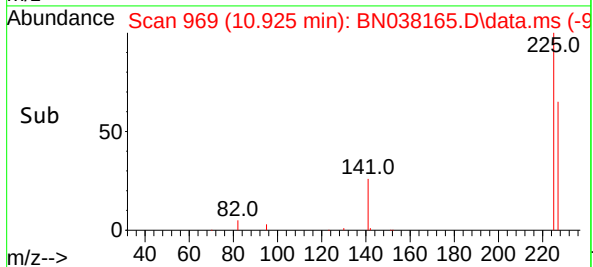
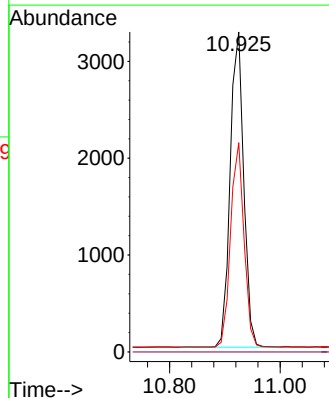
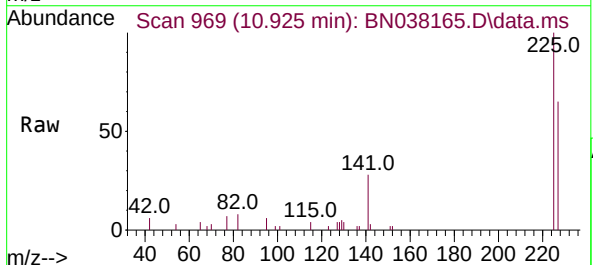
Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

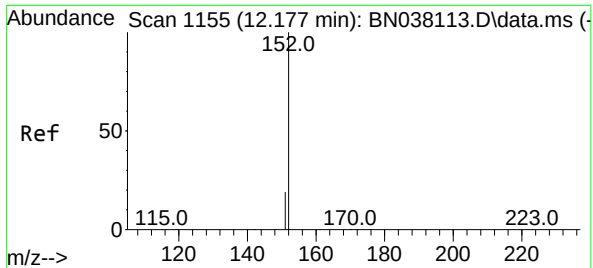
Tgt Ion:128 Resp: 32268
Ion Ratio Lower Upper
128 100
129 11.3 9.1 13.7
127 13.2 10.5 15.7



#10
Hexachlorobutadiene
Concen: 0.399 ng
RT: 10.925 min Scan# 969
Delta R.T. -0.000 min
Lab File: BN038165.D
Acq: 07 Nov 2025 22:18

Tgt Ion:225 Resp: 5546
Ion Ratio Lower Upper
225 100
223 0.0 0.0 0.0
227 64.0 50.3 75.5

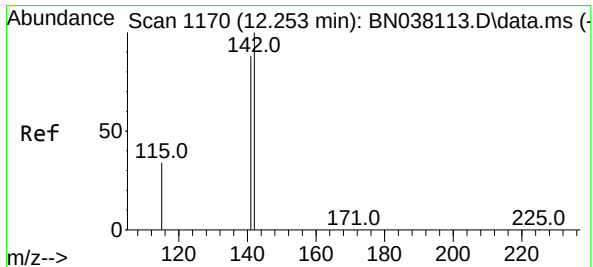
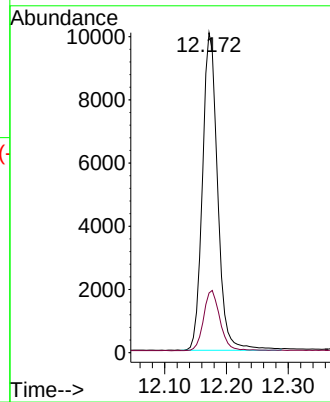
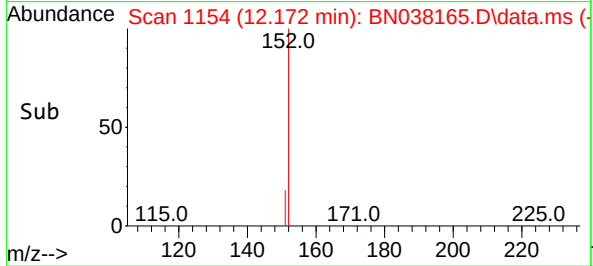
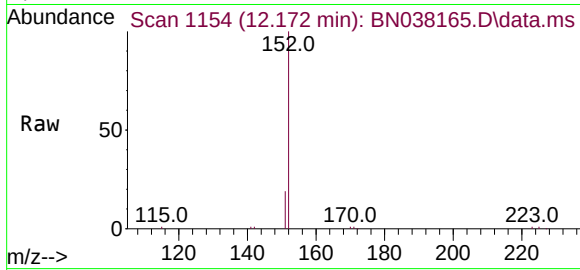




#11
2-Methylnaphthalene-d10
Concen: 0.401 ng
RT: 12.172 min Scan# 1154
Delta R.T. -0.005 min
Lab File: BN038165.D
Acq: 07 Nov 2025 22:18

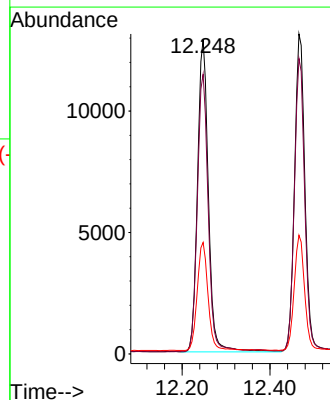
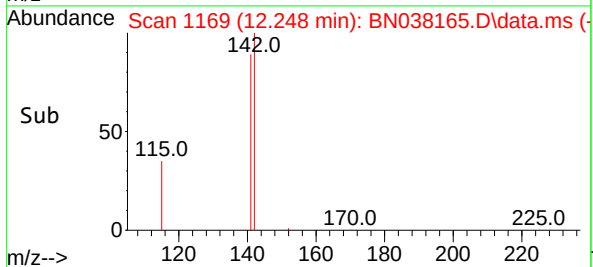
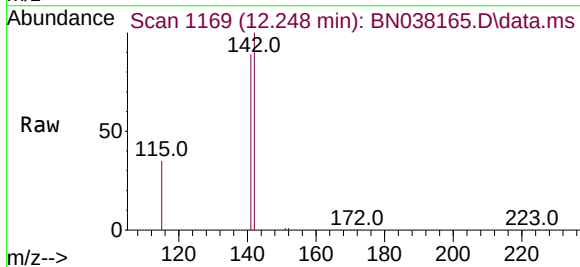
Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

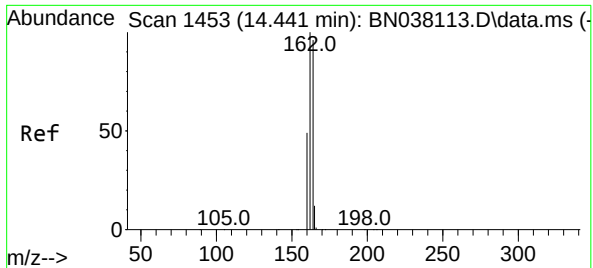
Tgt Ion:152 Resp: 17156
Ion Ratio Lower Upper
152 100
151 20.8 16.8 25.2



#12
2-Methylnaphthalene
Concen: 0.400 ng
RT: 12.248 min Scan# 1169
Delta R.T. -0.000 min
Lab File: BN038165.D
Acq: 07 Nov 2025 22:18

Tgt Ion:142 Resp: 21987
Ion Ratio Lower Upper
142 100
141 89.0 70.3 105.5
115 35.5 27.8 41.6

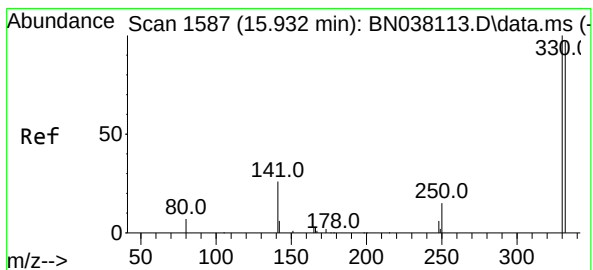
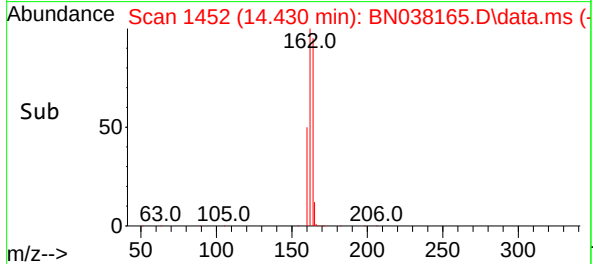
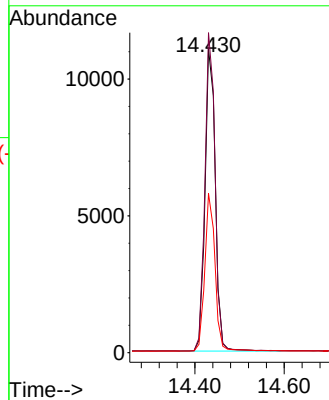
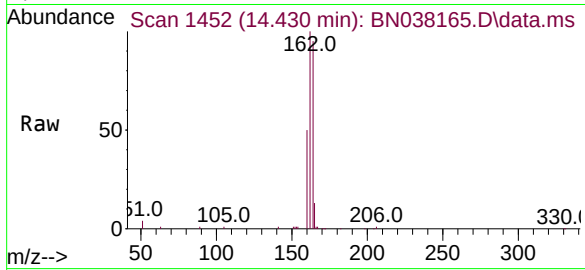




#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.430 min Scan# 1453
Delta R.T. -0.000 min
Lab File: BN038165.D
Acq: 07 Nov 2025 22:18

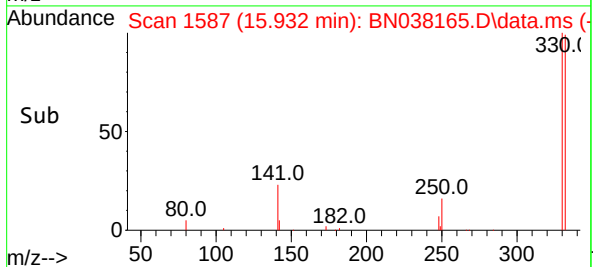
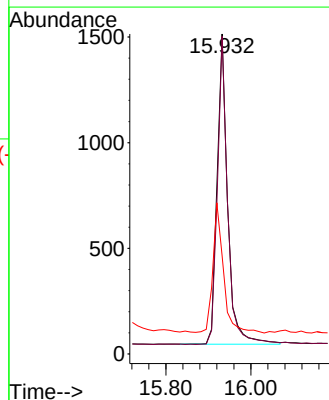
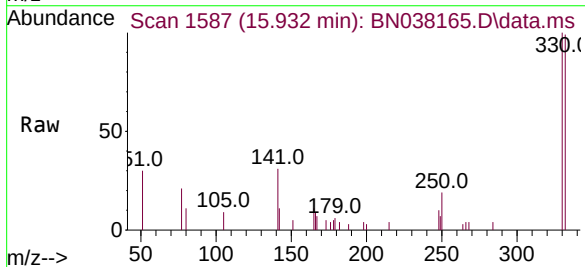
Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

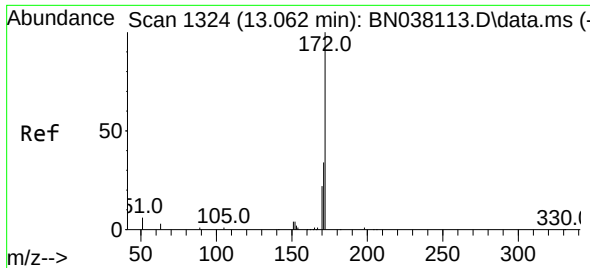
Tgt Ion:164 Resp: 17702
Ion Ratio Lower Upper
164 100
162 105.4 83.0 124.4
160 52.5 40.7 61.1



#14
2,4,6-Tribromophenol
Concen: 0.348 ng
RT: 15.932 min Scan# 1587
Delta R.T. 0.000 min
Lab File: BN038165.D
Acq: 07 Nov 2025 22:18

Tgt Ion:330 Resp: 2538
Ion Ratio Lower Upper
330 100
332 96.7 76.6 114.8
141 42.3 34.1 51.1

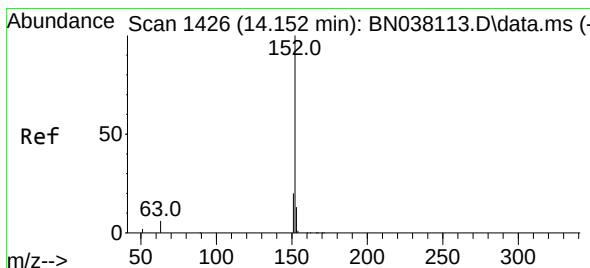
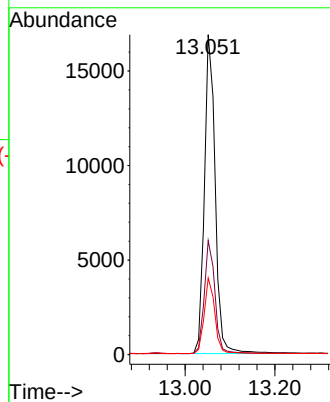
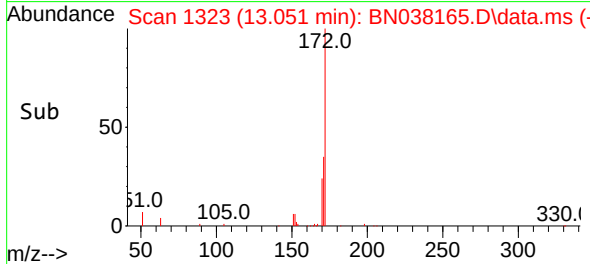
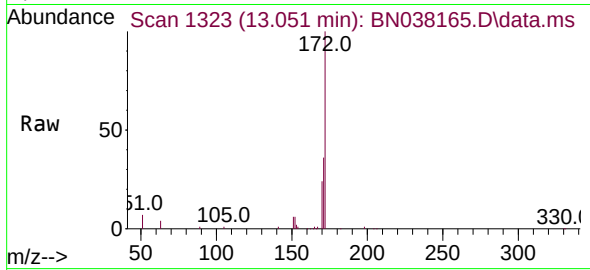




#15
2-Fluorobiphenyl
Concen: 0.362 ng
RT: 13.051 min Scan# 1323
Delta R.T. -0.000 min
Lab File: BN038165.D
Acq: 07 Nov 2025 22:18

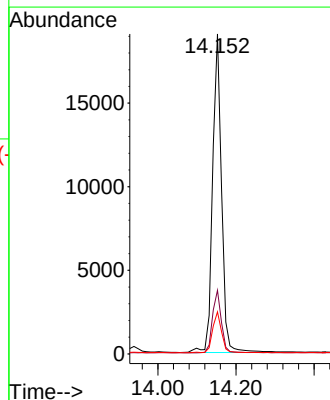
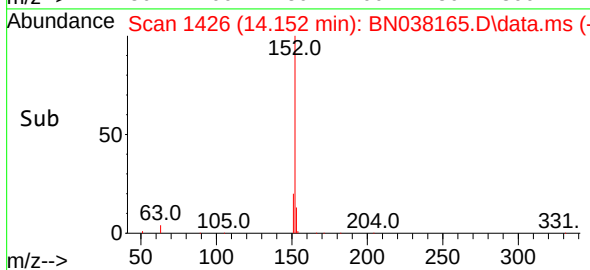
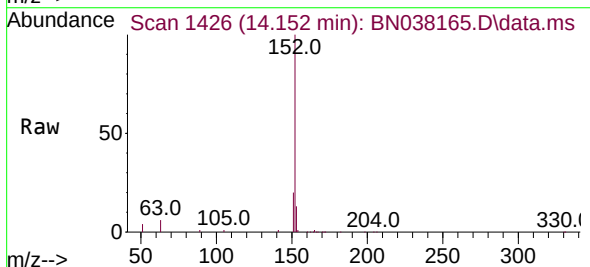
Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

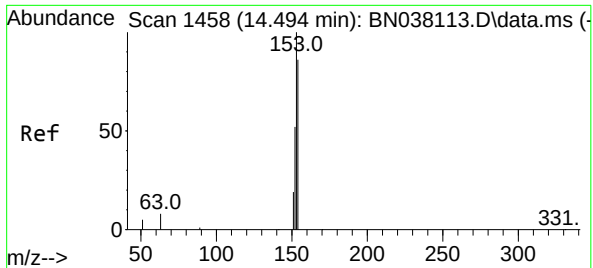
Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.6	27.8	41.6
170	23.9	18.1	27.1



#16
Acenaphthylene
Concen: 0.380 ng
RT: 14.152 min Scan# 1426
Delta R.T. -0.000 min
Lab File: BN038165.D
Acq: 07 Nov 2025 22:18

Tgt Ion	Ratio	Lower	Upper
152	100		
151	19.3	15.8	23.8
153	12.9	10.2	15.2

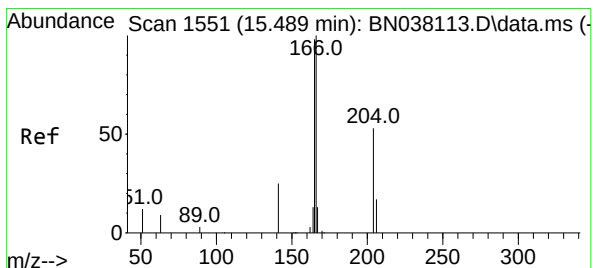
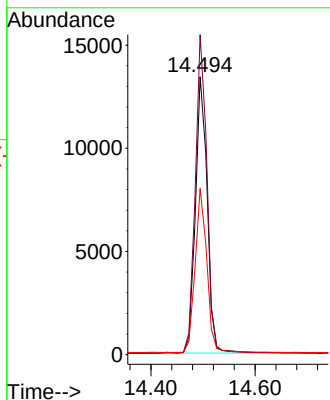
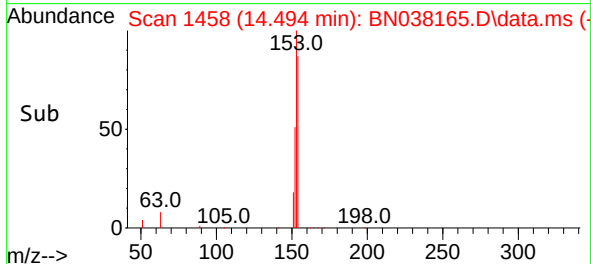
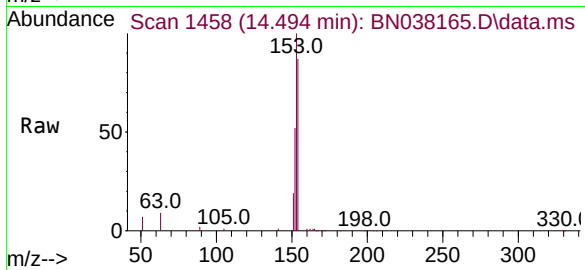




#17
Acenaphthene
Concen: 0.374 ng
RT: 14.494 min Scan# 1458
Delta R.T. -0.000 min
Lab File: BN038165.D
Acq: 07 Nov 2025 22:18

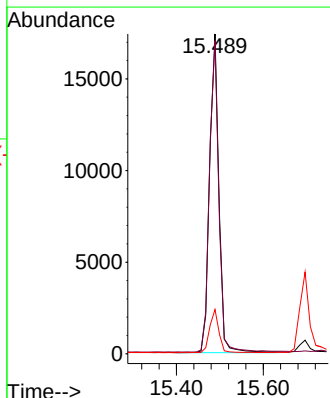
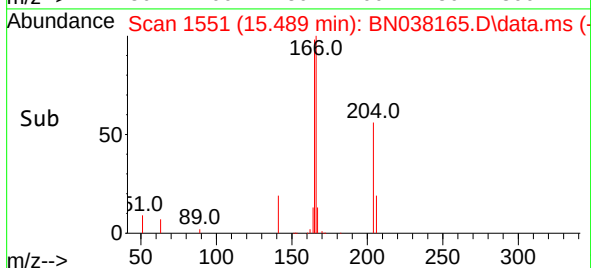
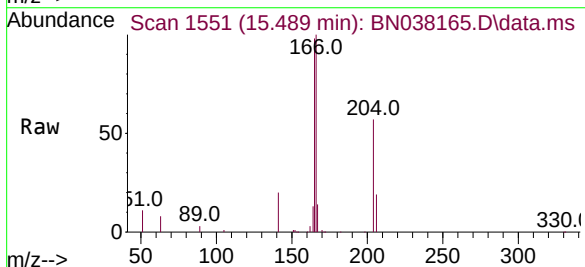
Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

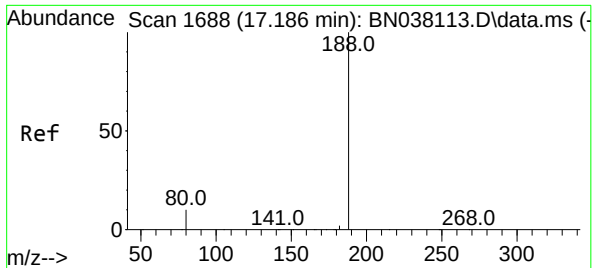
Tgt Ion:154 Resp: 20975
Ion Ratio Lower Upper
154 100
153 114.0 90.0 135.0
152 59.1 47.3 70.9



#18
Fluorene
Concen: 0.378 ng
RT: 15.489 min Scan# 1551
Delta R.T. -0.000 min
Lab File: BN038165.D
Acq: 07 Nov 2025 22:18

Tgt Ion:166 Resp: 27792
Ion Ratio Lower Upper
166 100
165 98.4 79.0 118.4
167 13.3 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: BN038165.D

Acq: 07 Nov 2025 22:18

Instrument :

BNA_N

ClientSampleId :

SSTDCCC0.4

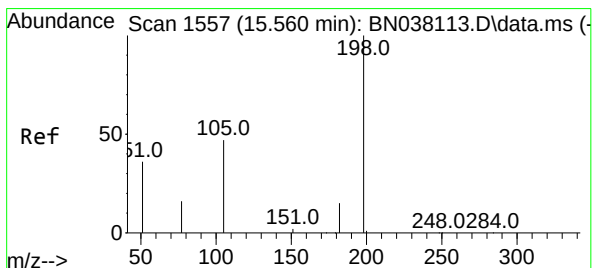
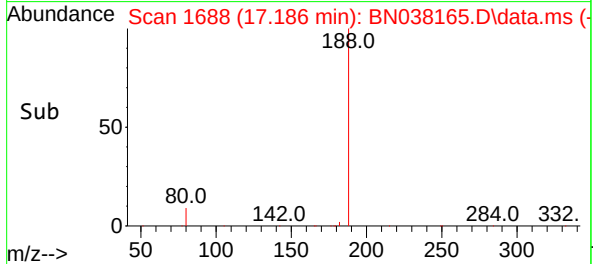
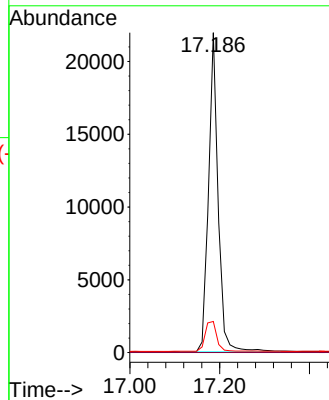
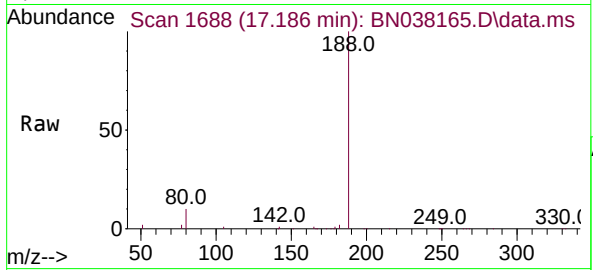
Tgt Ion:188 Resp: 32727

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

80 9.7 8.6 13.0



#20

4,6-Dinitro-2-methylphenol

Concen: 0.332 ng

RT: 15.560 min Scan# 1557

Delta R.T. -0.000 min

Lab File: BN038165.D

Acq: 07 Nov 2025 22:18

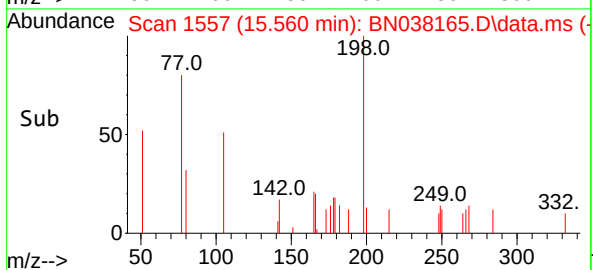
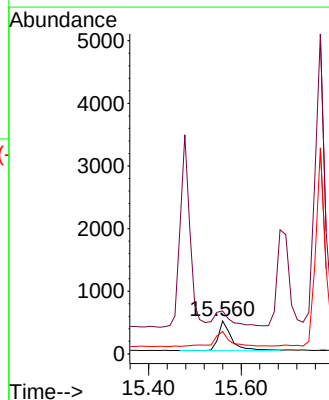
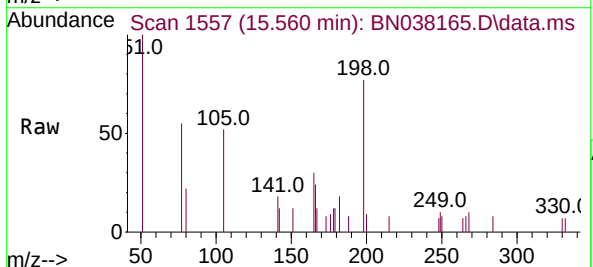
Tgt Ion:198 Resp: 923

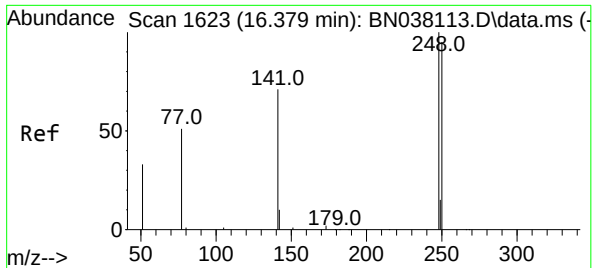
Ion Ratio Lower Upper

198 100

51 130.5 88.9 133.3

105 67.8 49.2 73.8

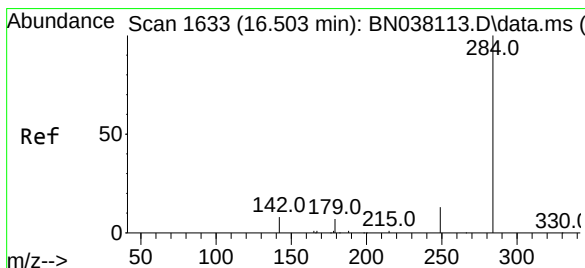
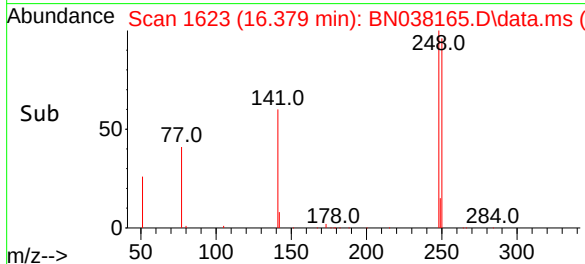
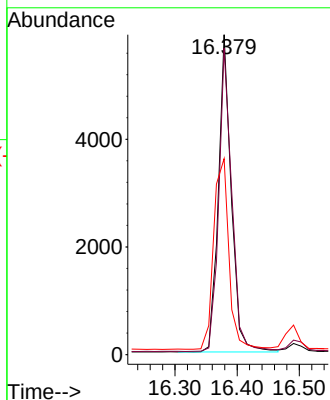
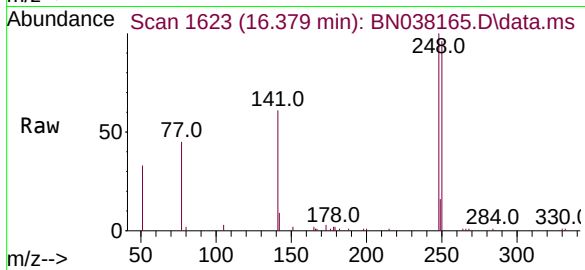




#21
4-Bromophenyl-phenylether
Concen: 0.399 ng
RT: 16.379 min Scan# 1623
Delta R.T. -0.000 min
Lab File: BN038165.D
Acq: 07 Nov 2025 22:18

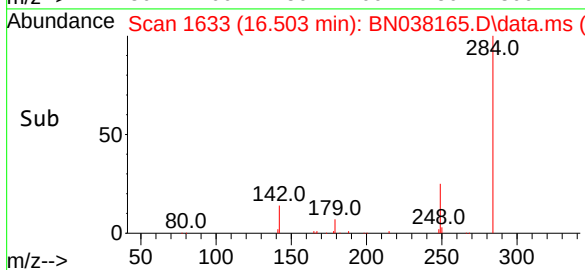
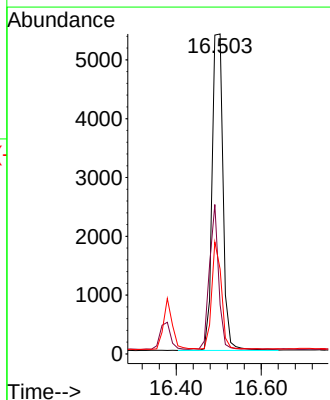
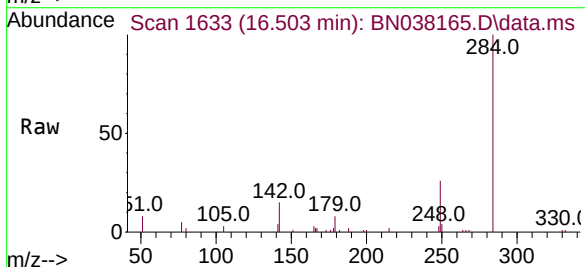
Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

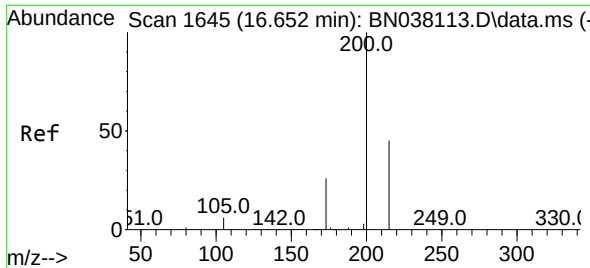
Tgt Ion:248 Resp: 8555
Ion Ratio Lower Upper
248 100
250 95.7 76.2 114.2
141 61.2 57.6 86.4



#22
Hexachlorobenzene
Concen: 0.394 ng
RT: 16.503 min Scan# 1633
Delta R.T. -0.000 min
Lab File: BN038165.D
Acq: 07 Nov 2025 22:18

Tgt Ion:284 Resp: 9625
Ion Ratio Lower Upper
284 100
142 38.0 30.5 45.7
249 29.9 23.5 35.3

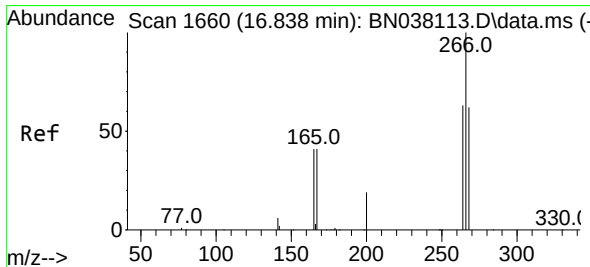
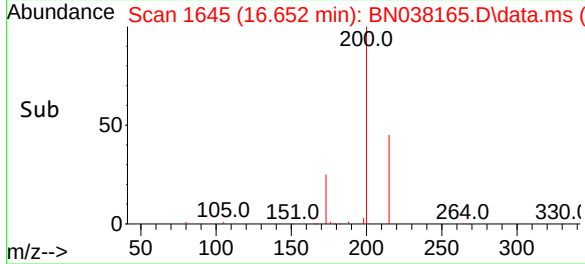
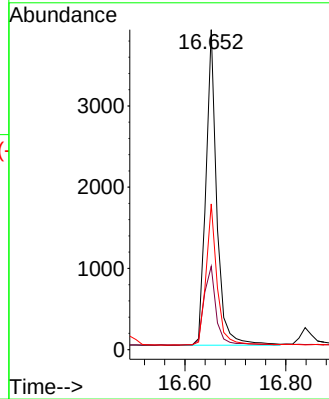
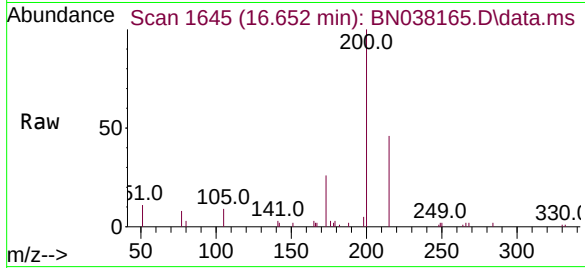




#23
Atrazine
Concen: 0.370 ng
RT: 16.652 min Scan# 1645
Delta R.T. -0.000 min
Lab File: BN038165.D
Acq: 07 Nov 2025 22:18

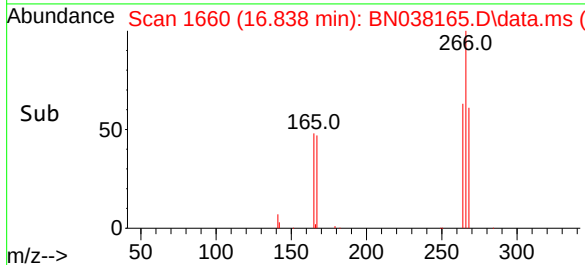
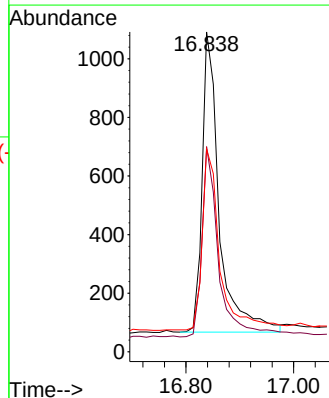
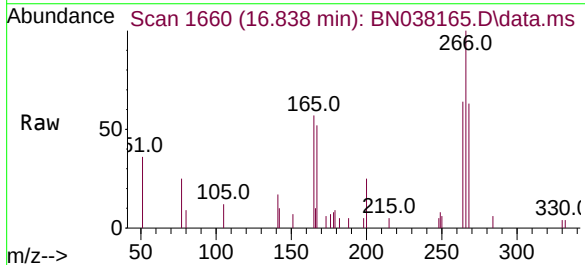
Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

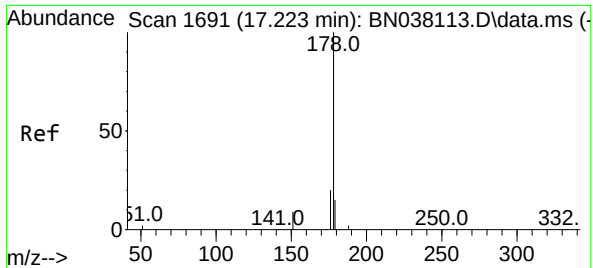
Tgt Ion	Ratio	Lower	Upper
200	100		
173	26.0	21.4	32.2
215	45.5	36.7	55.1



#24
Pentachlorophenol
Concen: 0.215 ng
RT: 16.838 min Scan# 1660
Delta R.T. -0.000 min
Lab File: BN038165.D
Acq: 07 Nov 2025 22:18

Tgt Ion	Ratio	Lower	Upper
266	100		
264	62.3	49.3	73.9
268	64.0	50.6	75.8

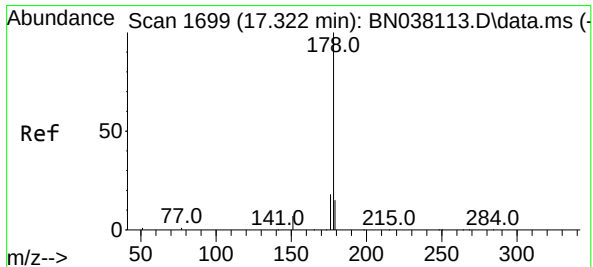
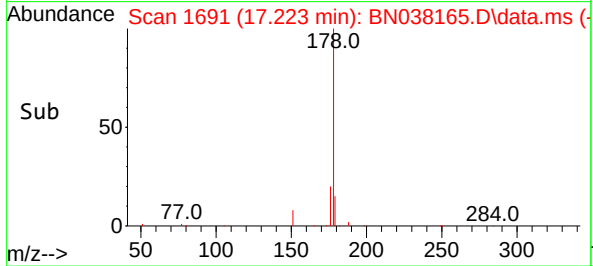
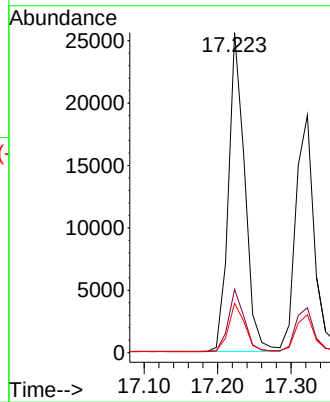
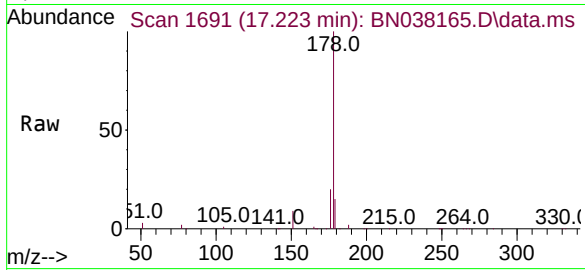




#25
Phenanthrene
Concen: 0.381 ng
RT: 17.223 min Scan# 1691
Delta R.T. -0.000 min
Lab File: BN038165.D
Acq: 07 Nov 2025 22:18

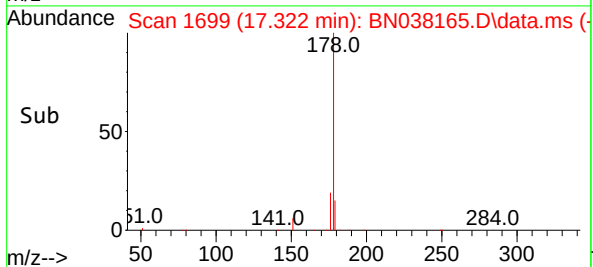
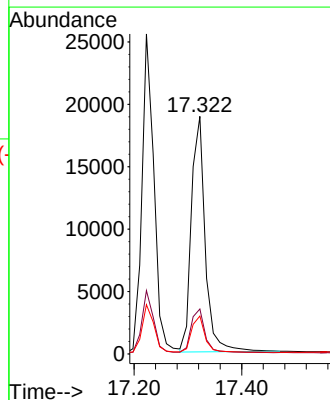
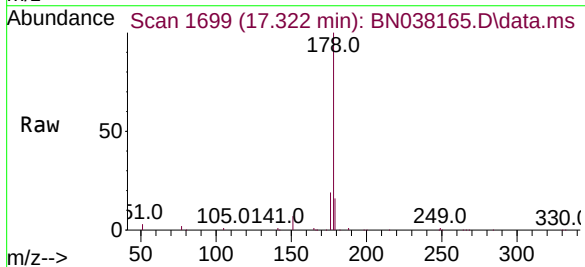
Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

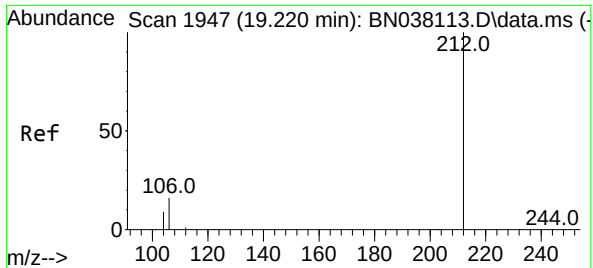
Tgt Ion:178 Resp: 39632
Ion Ratio Lower Upper
178 100
176 19.2 15.5 23.3
179 15.4 12.2 18.4



#26
Anthracene
Concen: 0.372 ng
RT: 17.322 min Scan# 1699
Delta R.T. -0.000 min
Lab File: BN038165.D
Acq: 07 Nov 2025 22:18

Tgt Ion:178 Resp: 33784
Ion Ratio Lower Upper
178 100
176 18.9 14.9 22.3
179 15.4 11.8 17.8





#27

Fluoranthene-d10

Concen: 0.358 ng

RT: 19.220 min Scan# 1947

Delta R.T. -0.000 min

Lab File: BN038165.D

Acq: 07 Nov 2025 22:18

Instrument :

BNA_N

ClientSampleId :

SSTDCCC0.4

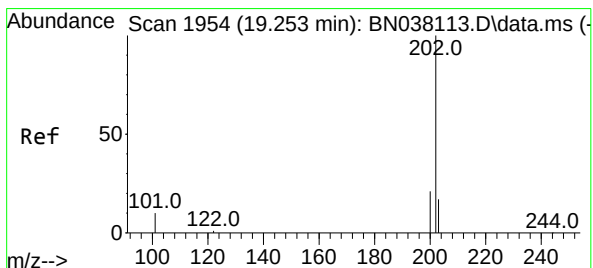
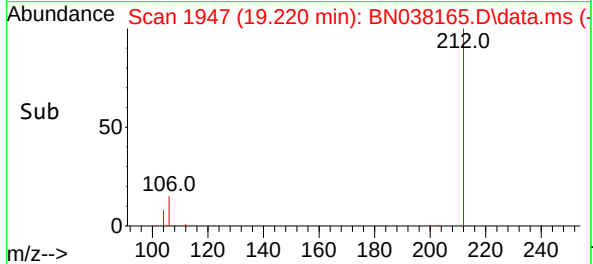
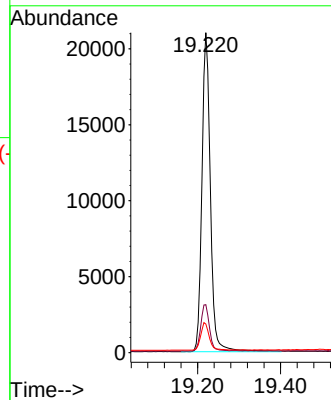
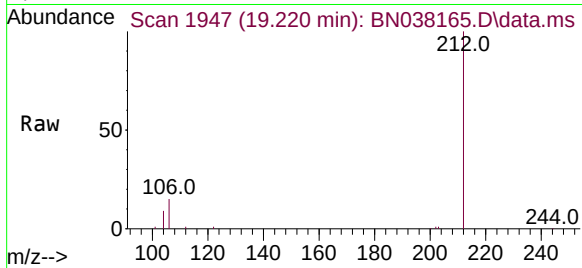
Tgt Ion:212 Resp: 29527

Ion Ratio Lower Upper

212 100

106 15.0 12.6 19.0

104 8.7 7.1 10.7



#28

Fluoranthene

Concen: 0.350 ng

RT: 19.252 min Scan# 1954

Delta R.T. -0.000 min

Lab File: BN038165.D

Acq: 07 Nov 2025 22:18

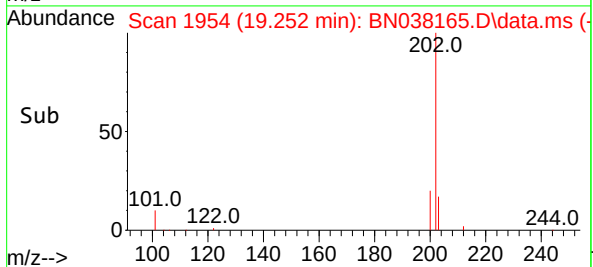
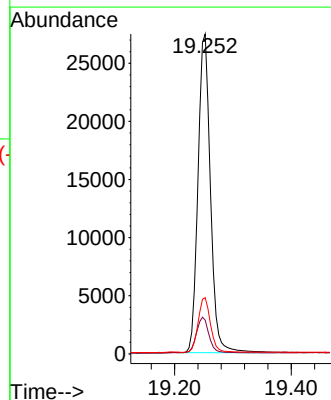
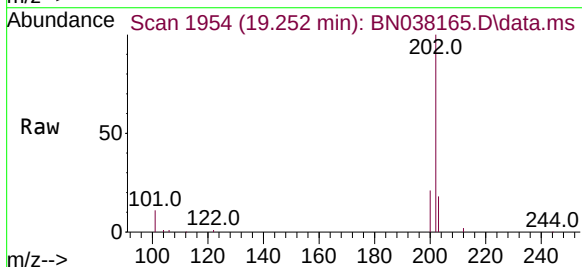
Tgt Ion:202 Resp: 40586

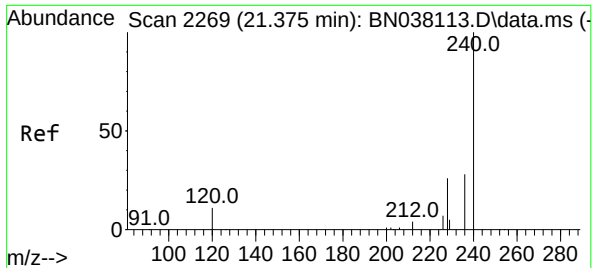
Ion Ratio Lower Upper

202 100

101 11.7 9.4 14.2

203 17.2 13.4 20.2

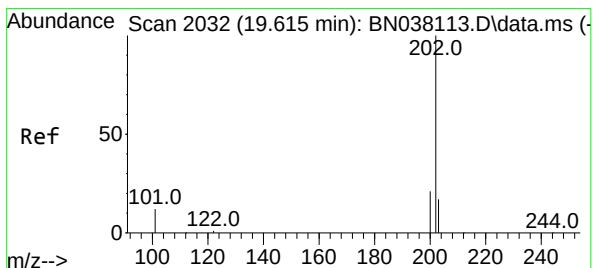
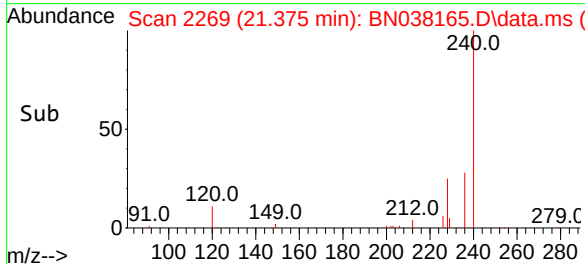
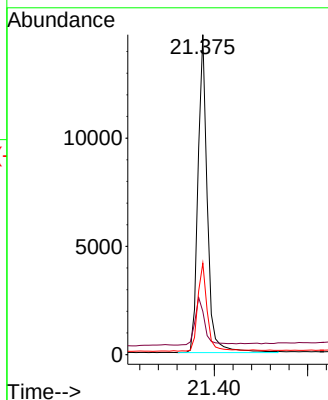
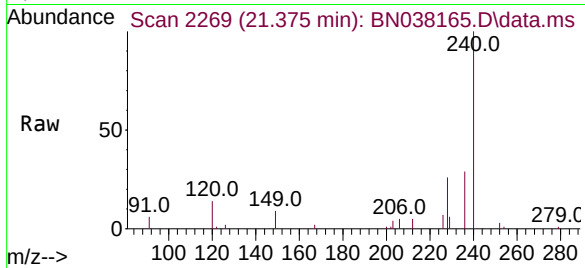




#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.375 min Scan# 21
Delta R.T. -0.000 min
Lab File: BN038165.D
Acq: 07 Nov 2025 22:18

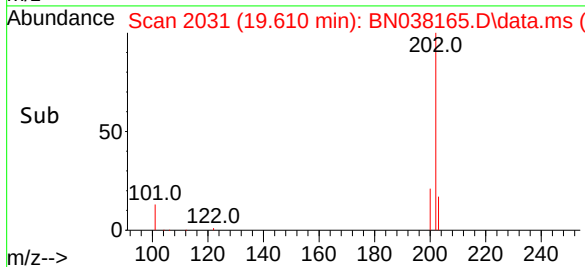
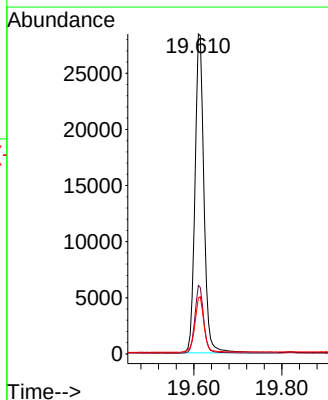
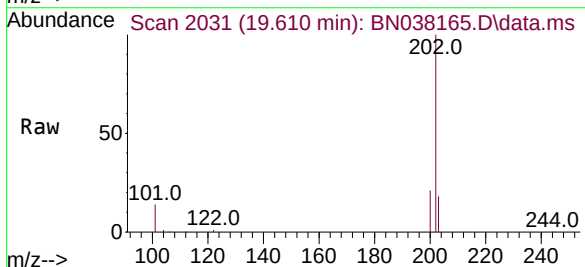
Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

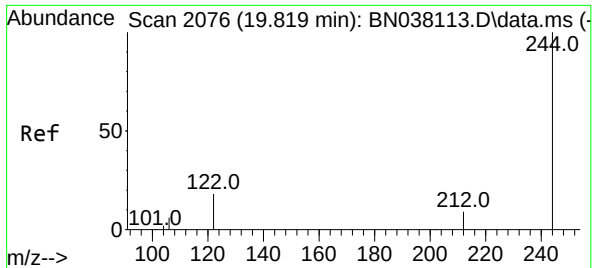
Tgt Ion:240 Resp: 20278
Ion Ratio Lower Upper
240 100
120 13.5 10.7 16.1
236 28.6 23.1 34.7



#30
Pyrene
Concen: 0.441 ng
RT: 19.610 min Scan# 2031
Delta R.T. -0.000 min
Lab File: BN038165.D
Acq: 07 Nov 2025 22:18

Tgt Ion:202 Resp: 40348
Ion Ratio Lower Upper
202 100
200 20.8 16.7 25.1
203 17.8 14.2 21.2

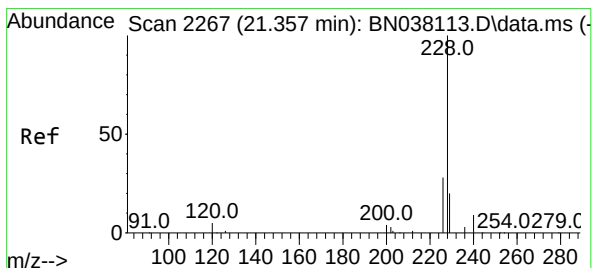
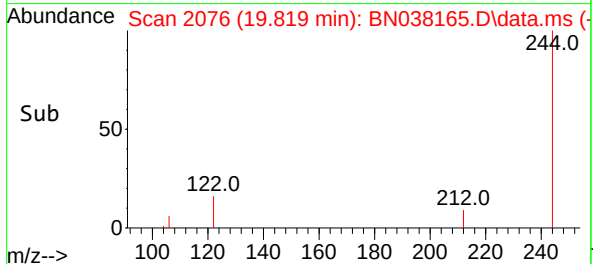
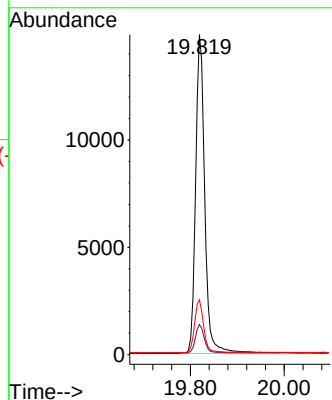
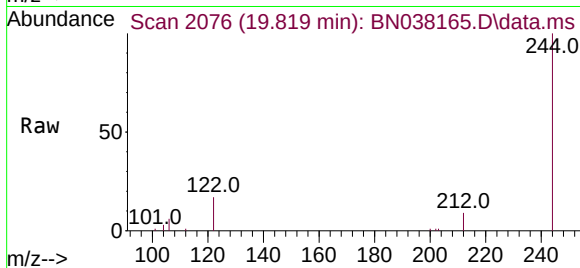




#31
Terphenyl-d14
Concen: 0.457 ng
RT: 19.819 min Scan# 2076
Delta R.T. -0.000 min
Lab File: BN038165.D
Acq: 07 Nov 2025 22:18

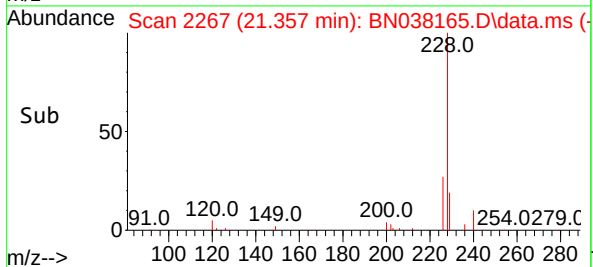
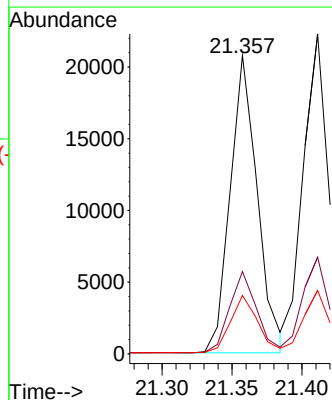
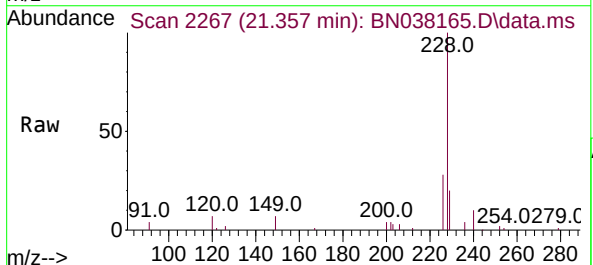
Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

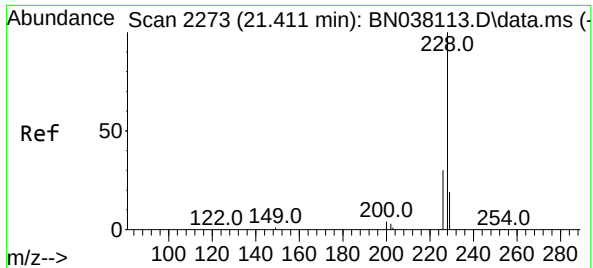
Tgt Ion:244 Resp: 20132
Ion Ratio Lower Upper
244 100
212 9.4 7.8 11.6
122 17.1 15.2 22.8



#32
Benzo(a)anthracene
Concen: 0.386 ng
RT: 21.357 min Scan# 2267
Delta R.T. -0.000 min
Lab File: BN038165.D
Acq: 07 Nov 2025 22:18

Tgt Ion:228 Resp: 27925
Ion Ratio Lower Upper
228 100
226 27.5 22.2 33.4
229 19.6 15.8 23.8





#33

Chrysene

Concen: 0.390 ng

RT: 21.411 min Scan# 21

Delta R.T. -0.000 min

Lab File: BN038165.D

Acq: 07 Nov 2025 22:18

Instrument :

BNA_N

ClientSampleId :

SSTDCCC0.4

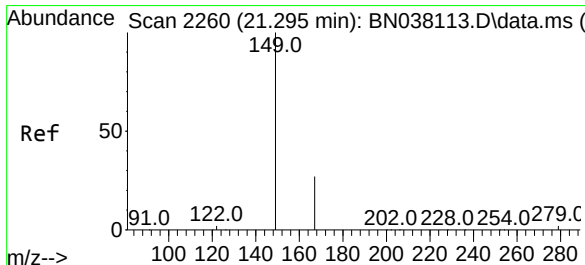
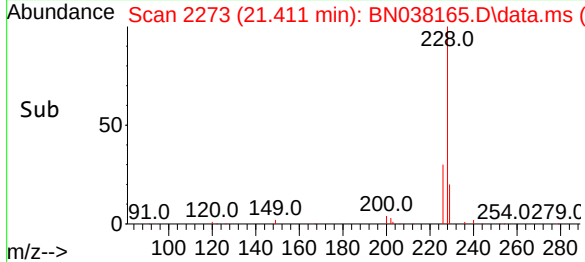
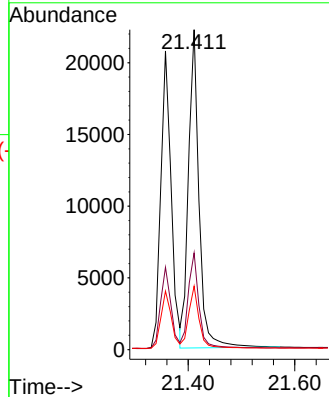
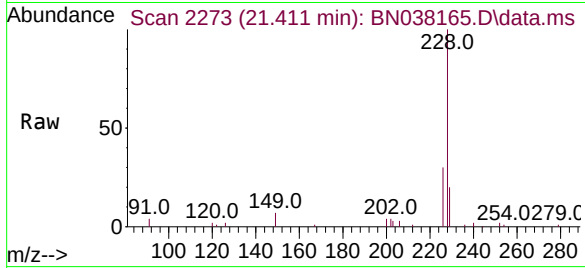
Tgt Ion:228 Resp: 30651

Ion Ratio Lower Upper

228 100

226 30.2 24.3 36.5

229 19.9 15.7 23.5



#34

Bis(2-ethylhexyl)phthalate

Concen: 0.508 ng

RT: 21.295 min Scan# 2260

Delta R.T. -0.000 min

Lab File: BN038165.D

Acq: 07 Nov 2025 22:18

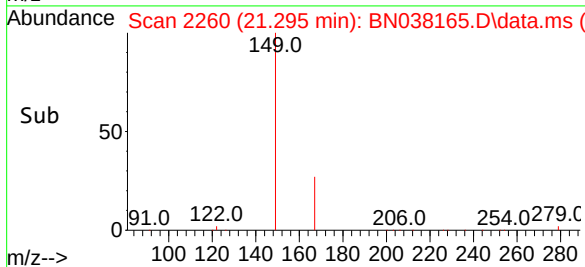
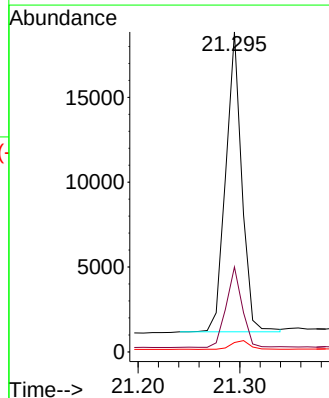
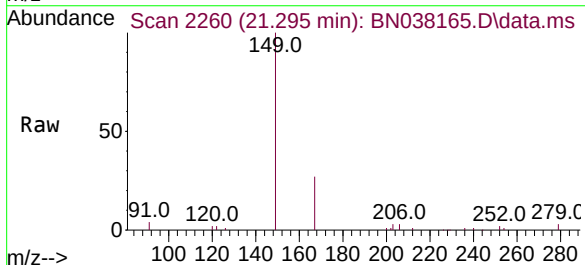
Tgt Ion:149 Resp: 19368

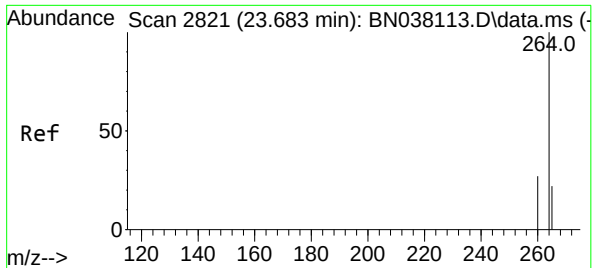
Ion Ratio Lower Upper

149 100

167 26.8 21.1 31.7

279 3.4 2.9 4.3

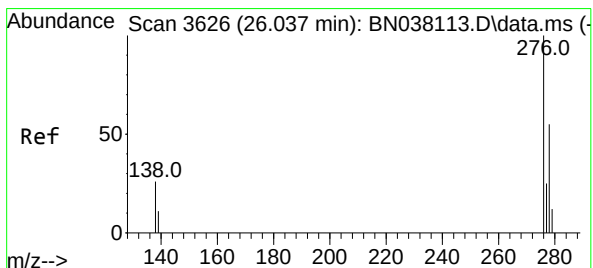
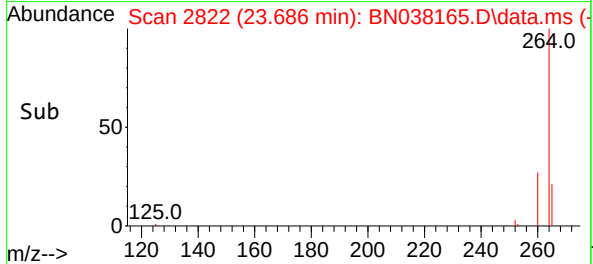
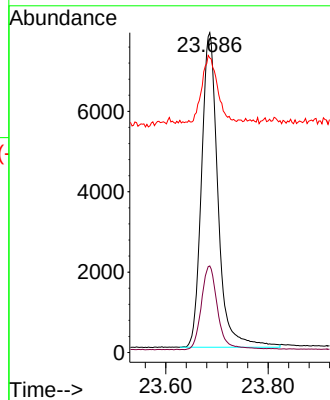
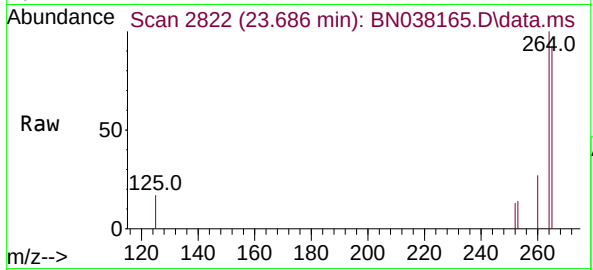




#35
Perylene-d12
Concen: 0.400 ng
RT: 23.686 min Scan# 2821
Delta R.T. 0.006 min
Lab File: BN038165.D
Acq: 07 Nov 2025 22:18

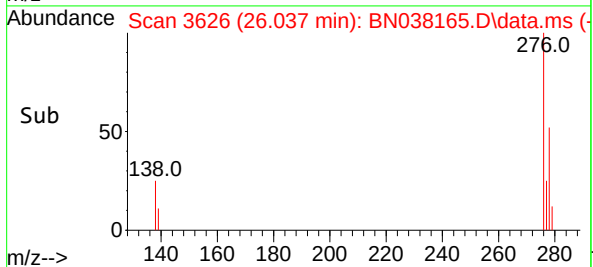
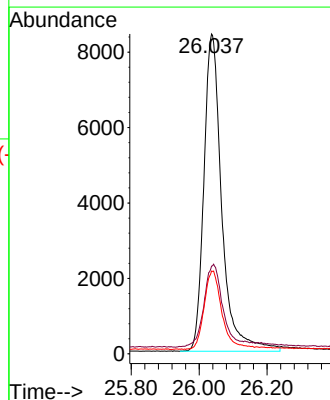
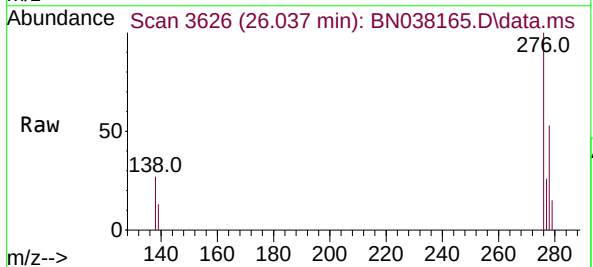
Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

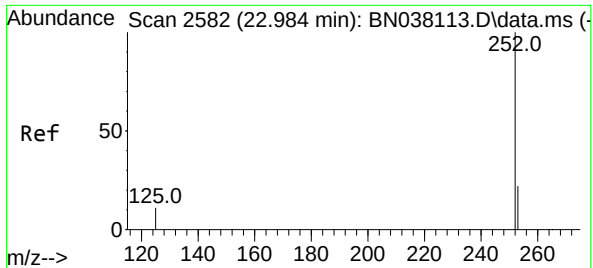
Tgt Ion:264 Resp: 17474
Ion Ratio Lower Upper
264 100
260 27.1 21.8 32.8
265 92.1 68.6 102.8



#36
Indeno(1,2,3-cd)pyrene
Concen: 0.428 ng
RT: 26.037 min Scan# 3626
Delta R.T. 0.003 min
Lab File: BN038165.D
Acq: 07 Nov 2025 22:18

Tgt Ion:276 Resp: 30755
Ion Ratio Lower Upper
276 100
138 26.7 21.4 32.0
277 24.6 19.2 28.8





#37

Benzo(b)fluoranthene

Concen: 0.360 ng

RT: 22.984 min Scan# 2582

Delta R.T. 0.003 min

Lab File: BN038165.D

Acq: 07 Nov 2025 22:18

Instrument :

BNA_N

ClientSampleId :

SSTDCCC0.4

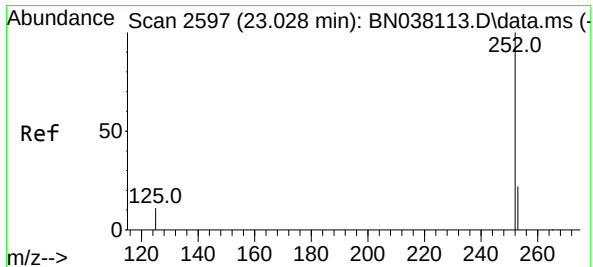
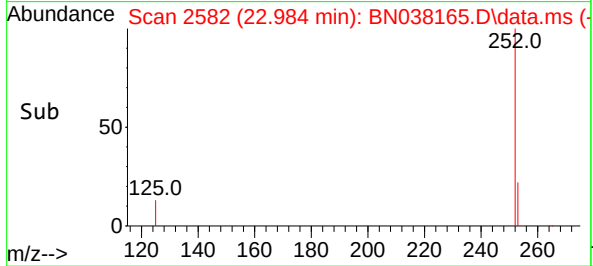
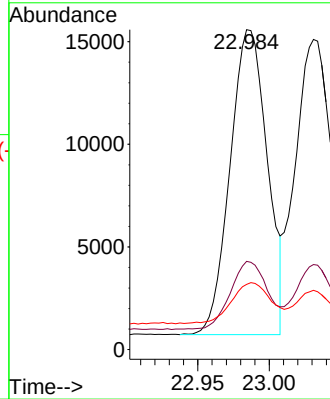
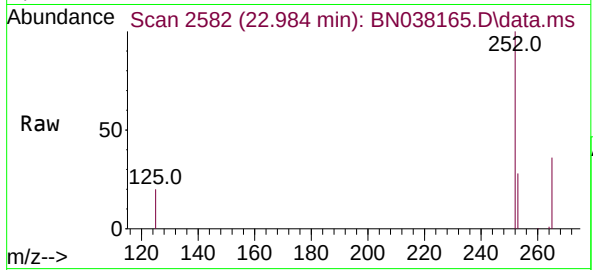
Tgt Ion:252 Resp: 26901

Ion Ratio Lower Upper

252 100

253 27.6 20.9 31.3

125 20.4 14.1 21.1



#38

Benzo(k)fluoranthene

Concen: 0.360 ng

RT: 23.031 min Scan# 2598

Delta R.T. 0.003 min

Lab File: BN038165.D

Acq: 07 Nov 2025 22:18

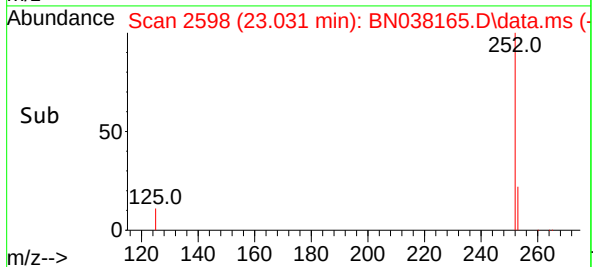
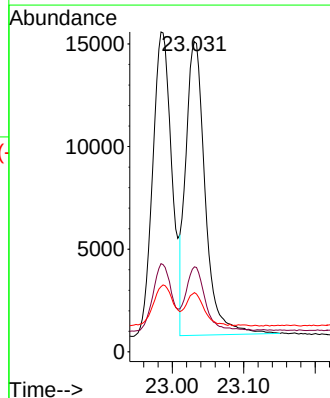
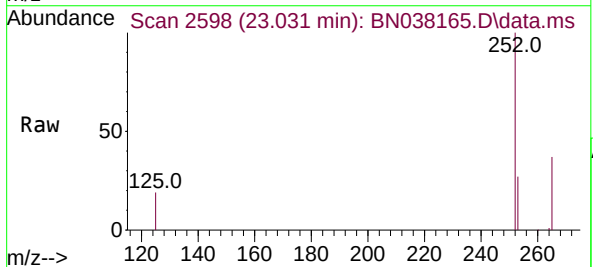
Tgt Ion:252 Resp: 27077

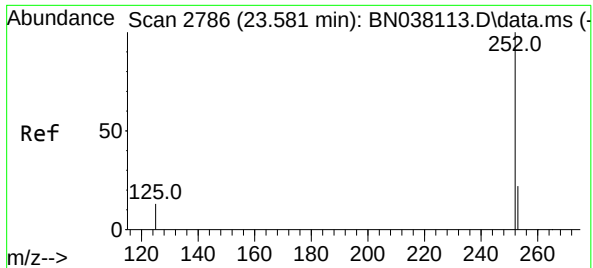
Ion Ratio Lower Upper

252 100

253 27.4 21.2 31.8

125 19.1 14.6 22.0





#39

Benzo(a)pyrene

Concen: 0.379 ng

RT: 23.584 min Scan# 21

Delta R.T. 0.006 min

Lab File: BN038165.D

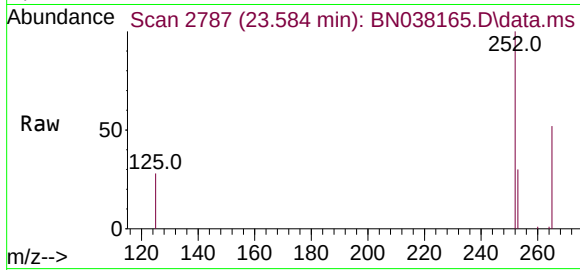
Acq: 07 Nov 2025 22:18

Instrument :

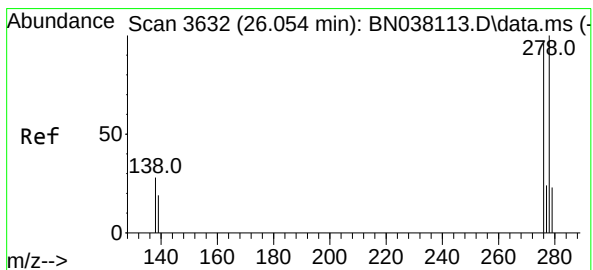
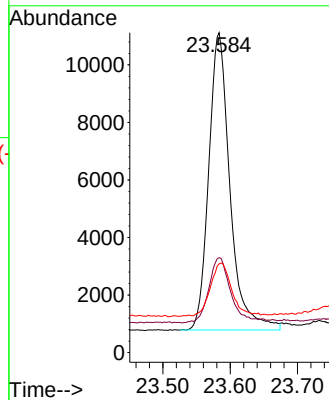
BNA_N

ClientSampleId :

SSTDCCC0.4



Tgt Ion:	252	Resp:	22676
Ion Ratio	Lower	Upper	
252	100		
253	29.7	23.1	34.7
125	27.7	18.6	28.0



#40

Dibenzo(a,h)anthracene

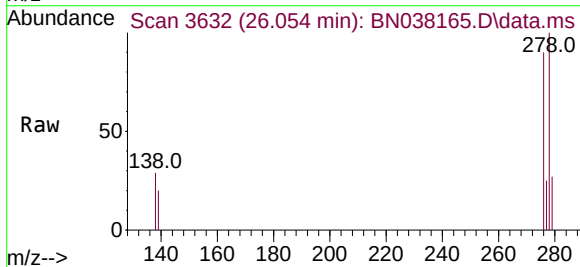
Concen: 0.437 ng

RT: 26.054 min Scan# 3632

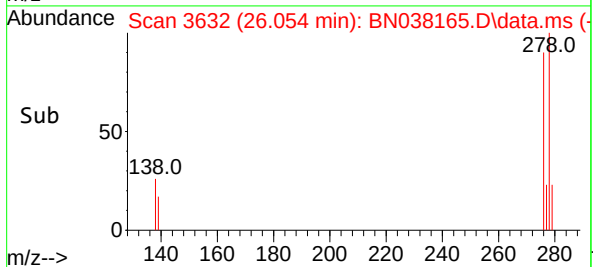
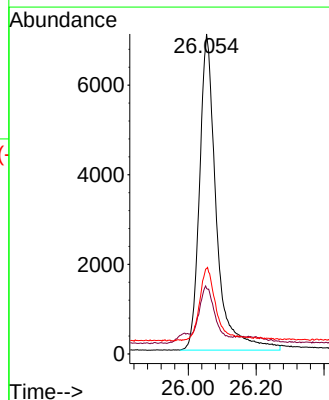
Delta R.T. 0.006 min

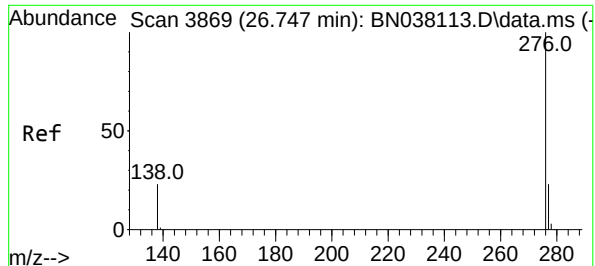
Lab File: BN038165.D

Acq: 07 Nov 2025 22:18



Tgt Ion:	278	Resp:	24138
Ion Ratio	Lower	Upper	
278	100		
139	20.4	17.6	26.4
279	26.7	22.6	33.8





#41

Benzo(g,h,i)perylene

Concen: 0.419 ng

RT: 26.759 min Scan# 38

Delta R.T. 0.009 min

Lab File: BN038165.D

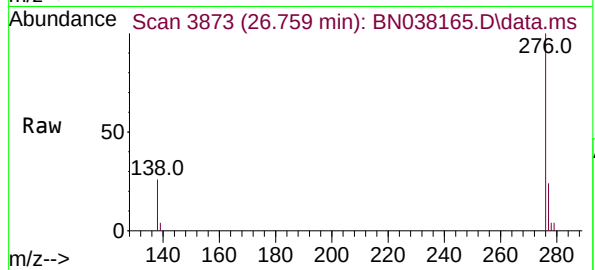
Acq: 07 Nov 2025 22:18

Instrument :

BNA_N

ClientSampleId :

SSTDCCC0.4



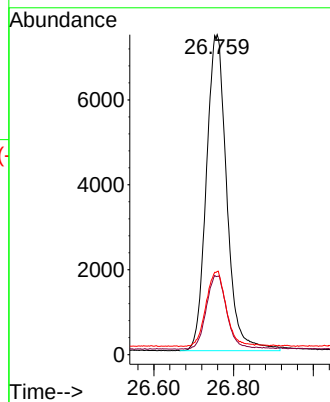
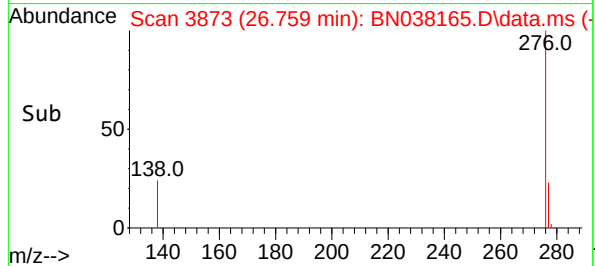
Tgt Ion:276 Resp: 26416

Ion Ratio Lower Upper

276 100

277 24.5 19.7 29.5

138 26.0 20.2 30.4



Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN110725\
 Data File : BN038165.D
 Acq On : 07 Nov 2025 22:18
 Operator : RC/JU
 Sample : SSTDCCC0.4
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_N
 LabSampleId :
 SSTDCCC0.4

Quant Time: Nov 08 03:27:32 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

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1 I	1,4-Dichlorobenzene-d4	0.400	0.400	0.0	102	0.00
2	1,4-Dioxane	0.400	0.386	3.5	96	0.00
3	n-Nitrosodimethylamine	0.400	0.395	1.3	99	0.00
4 S	2-Fluorophenol	0.400	0.432	-8.0	109	0.00
5 S	Phenol-d6	0.400	0.441	-10.2	114	0.00
6	bis(2-Chloroethyl)ether	0.400	0.397	0.8	101	0.00
7 I	Naphthalene-d8	0.400	0.400	0.0	108	0.00
8 S	Nitrobenzene-d5	0.400	0.401	-0.3	112	0.00
9	Naphthalene	0.400	0.391	2.3	108	0.00
10	Hexachlorobutadiene	0.400	0.399	0.3	107	0.00
11 SURR	2-Methylnaphthalene-d10	0.400	0.401	-0.3	113	0.00
12	2-Methylnaphthalene	0.400	0.400	0.0	112	0.00
13 I	Acenaphthene-d10	0.400	0.400	0.0	114	0.00
14 S	2,4,6-Tribromophenol	0.400	0.348	13.0	110	0.00
15 S	2-Fluorobiphenyl	0.400	0.362	9.5	105	0.00
16	Acenaphthylene	0.400	0.380	5.0	115	0.00
17	Acenaphthene	0.400	0.374	6.5	112	0.00
18	Fluorene	0.400	0.378	5.5	112	0.00
19 I	Phenanthrene-d10	0.400	0.400	0.0	111	0.00
20	4,6-Dinitro-2-methylphenol	0.400	0.332	17.0	69	0.00
21	4-Bromophenyl-phenylether	0.400	0.399	0.3	116	0.00
22	Hexachlorobenzene	0.400	0.394	1.5	110	0.00
23	Atrazine	0.400	0.370	7.5	112	0.00
24	Pentachlorophenol	0.400	0.215	46.3#	71	0.00
25	Phenanthrene	0.400	0.381	4.8	110	0.00
26	Anthracene	0.400	0.372	7.0	109	0.00
27 SURR	Fluoranthene-d10	0.400	0.358	10.5	105	0.00
28	Fluoranthene	0.400	0.350	12.5	102	0.00
29 I	Chrysene-d12	0.400	0.400	0.0	94	0.00
30	Pyrene	0.400	0.441	-10.2	102	0.00
31 S	Terphenyl-d14	0.400	0.457	-14.2	107	0.00
32	Benzo(a)anthracene	0.400	0.386	3.5	96	0.00
33	Chrysene	0.400	0.390	2.5	92	0.00
34	Bis(2-ethylhexyl)phthalate	0.400	0.508	-27.0#	125	0.00
35 I	Perylene-d12	0.400	0.400	0.0	97	0.00
36	Indeno(1,2,3-cd)pyrene	0.400	0.428	-7.0	107	0.00
37	Benzo(b)fluoranthene	0.400	0.360	10.0	92	0.00
38	Benzo(k)fluoranthene	0.400	0.360	10.0	93	0.00
39 C	Benzo(a)pyrene	0.400	0.379	5.3	96	0.00
40	Dibenzo(a,h)anthracene	0.400	0.437	-9.2	112	0.00
41	Benzo(g,h,i)perylene	0.400	0.419	-4.7	103	0.00

(#) = Out of Range

SPCC's out = 0 CCC's out = 0

Instrument :

BNA_N

LabSampleId :

SSTDCCC0.4

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN110725\
 Data File : BN038165.D
 Acq On : 07 Nov 2025 22:18
 Operator : RC/JU
 Sample : SSTDCCC0.4
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_N
 LabSampleId :
 SSTDCCC0.4

Quant Time: Nov 08 03:27:32 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

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1 I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	102	0.00
2	1,4-Dioxane	0.413	0.399	3.4	96	0.00
3	n-Nitrosodimethylamine	0.532	0.525	1.3	99	0.00
4 S	2-Fluorophenol	0.942	1.018	-8.1	109	0.00
5 S	Phenol-d6	1.148	1.267	-10.4	114	0.00
6	bis(2-Chloroethyl)ether	1.128	1.120	0.7	101	0.00
7 I	Naphthalene-d8	1.000	1.000	0.0	108	0.00
8 S	Nitrobenzene-d5	0.323	0.324	-0.3	112	0.00
9	Naphthalene	1.102	1.078	2.2	108	0.00
10	Hexachlorobutadiene	0.186	0.185	0.5	107	0.00
11 SURR	2-Methylnaphthalene-d10	0.571	0.573	-0.4	113	0.00
12	2-Methylnaphthalene	0.735	0.734	0.1	112	0.00
13 I	Acenaphthene-d10	1.000	1.000	0.0	114	0.00
14 S	2,4,6-Tribromophenol	0.165	0.143	13.3	110	0.00
15 S	2-Fluorobiphenyl	1.602	1.451	9.4	105	0.00
16	Acenaphthylene	1.811	1.721	5.0	115	0.00
17	Acenaphthene	1.267	1.185	6.5	112	0.00
18	Fluorene	1.661	1.570	5.5	112	0.00
19 I	Phenanthrene-d10	1.000	1.000	0.0	111	0.00
20	4,6-Dinitro-2-methylphenol	0.055	0.028	49.1#	69	0.00
21	4-Bromophenyl-phenylether	0.262	0.261	0.4	116	0.00
22	Hexachlorobenzene	0.298	0.294	1.3	110	0.00
23	Atrazine	0.192	0.178	7.3	112	0.00
24	Pentachlorophenol	0.128	0.069	46.1#	71	0.00
25	Phenanthrene	1.270	1.211	4.6	110	0.00
26	Anthracene	1.111	1.032	7.1	109	0.00
27 SURR	Fluoranthene-d10	1.009	0.902	10.6	105	0.00
28	Fluoranthene	1.419	1.240	12.6	102	0.00
29 I	Chrysene-d12	1.000	1.000	0.0	94	0.00
30	Pyrene	1.806	1.990	-10.2	102	0.00
31 S	Terphenyl-d14	0.869	0.993	-14.3	107	0.00
32	Benzo(a)anthracene	1.427	1.377	3.5	96	0.00
33	Chrysene	1.549	1.512	2.4	92	0.00
34	Bis(2-ethylhexyl)phthalate	0.752	0.955	-27.0#	125	0.00
35 I	Perylene-d12	1.000	1.000	0.0	97	0.00
36	Indeno(1,2,3-cd)pyrene	1.643	1.760	-7.1	107	0.00
37	Benzo(b)fluoranthene	1.710	1.539	10.0	92	0.00
38	Benzo(k)fluoranthene	1.721	1.550	9.9	93	0.00
39 C	Benzo(a)pyrene	1.369	1.298	5.2	96	0.00
40	Dibenzo(a,h)anthracene	1.265	1.381	-9.2	112	0.00
41	Benzo(g,h,i)perylene	1.444	1.512	-4.7	103	0.00

(#) = Out of Range

SPCC's out = 0 CCC's out = 0

Instrument :
BNA_N
LabSampleId :
SSTDCCC0.4



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

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name:	<u>Alliance</u>	Contract:	<u>REMI02</u>
Lab Code:	<u>ACE</u>	SDG No.:	<u>Q3534</u>
Instrument ID:	<u>BNA_N</u>	Calibration Date/Time:	<u>11/10/2025</u> <u>10:14</u>
Lab File ID:	<u>BN038174.D</u>	Init. Calib. Date(s):	<u>10/28/2025</u> <u>10/28/2025</u>
EPA Sample No.:	<u>SSTDCCC0.4</u>	Init. Calib. Time(s):	<u>13:00</u> <u>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.

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN111025\
 Data File : BN038174.D
 Acq On : 10 Nov 2025 10:14
 Operator : RC/JU
 Sample : SSTDCCC0.4
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 SSTDCCC0.4

Quant Time: Nov 10 10:38:07 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)

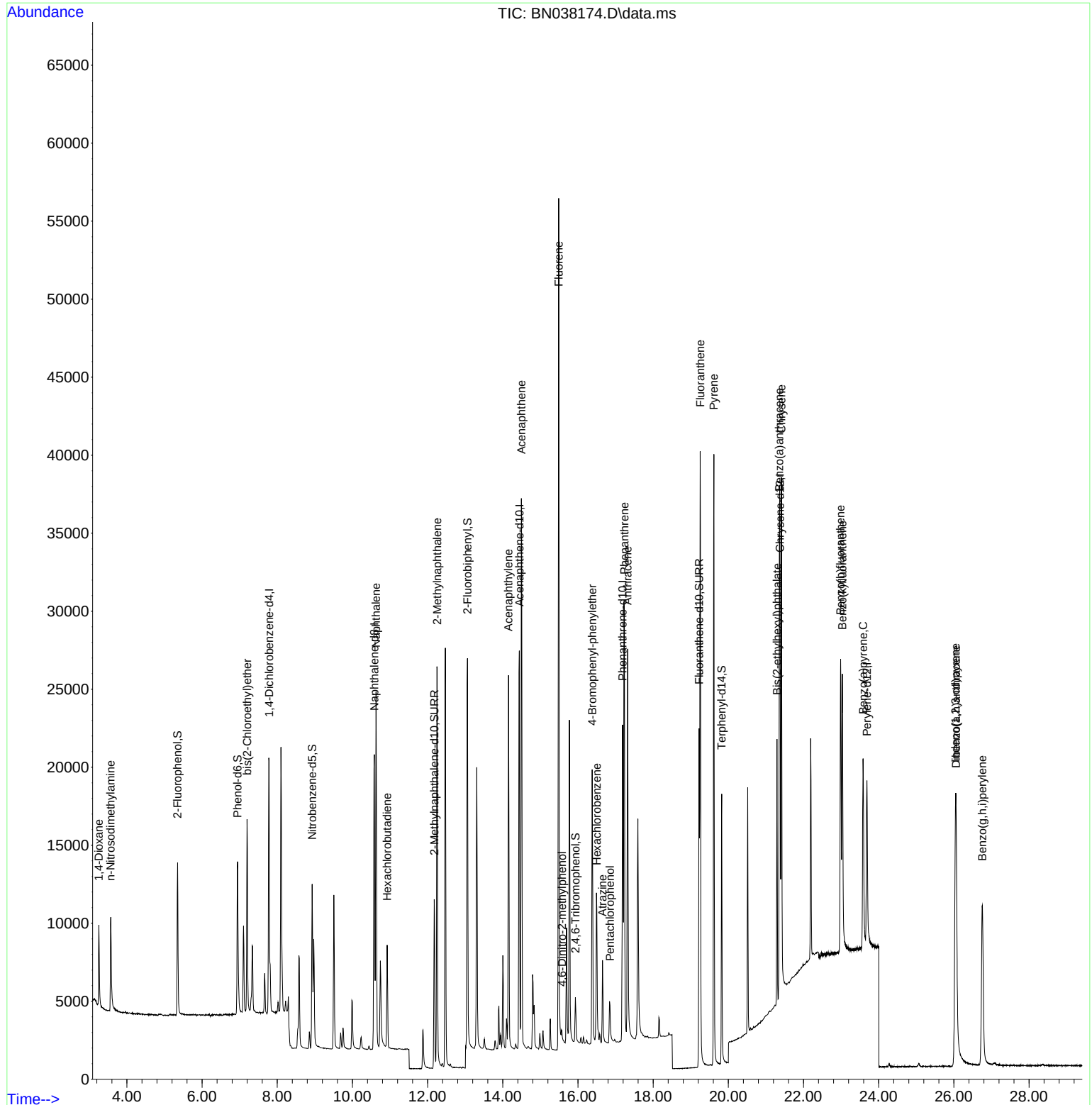
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.782	152	8757	0.400	ng	0.00
7) Naphthalene-d8	10.584	136	27774	0.400	ng	0.01
13) Acenaphthene-d10	14.441	164	15906	0.400	ng	0.01
19) Phenanthrene-d10	17.186	188	29029	0.400	ng	0.00
29) Chrysene-d12	21.375	240	18717	0.400	ng	0.00
35) Perylene-d12	23.689	264	15819	0.400	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.348	112	8505	0.412	ng	0.00
5) Phenol-d6	6.944	99	10238	0.407	ng	0.00
8) Nitrobenzene-d5	8.929	82	8863	0.395	ng	0.00
11) 2-Methylnaphthalene-d10	12.177	152	15571	0.393	ng	0.00
14) 2,4,6-Tribromophenol	15.932	330	1905	0.291	ng	0.00
15) 2-Fluorobiphenyl	13.062	172	24388	0.383	ng	0.01
27) Fluoranthene-d10	19.225	212	26616	0.364	ng	0.00
31) Terphenyl-d14	19.824	244	17932	0.441	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.254	88	3538	0.391	ng	99
3) n-Nitrosodimethylamine	3.564	42	4537	0.390	ng	# 96
6) bis(2-Chloroethyl)ether	7.197	93	9781	0.396	ng	99
9) Naphthalene	10.626	128	29824	0.390	ng	100
10) Hexachlorobutadiene	10.925	225	5061	0.392	ng	# 98
12) 2-Methylnaphthalene	12.253	142	19854	0.389	ng	100
16) Acenaphthylene	14.152	152	26970	0.374	ng	99
17) Acenaphthene	14.495	154	18777	0.373	ng	98
18) Fluorene	15.489	166	24441	0.370	ng	99
20) 4,6-Dinitro-2-methylph...	15.572	198	645	0.300	ng	# 65
21) 4-Bromophenyl-phenylether	16.379	248	7432	0.391	ng	96
22) Hexachlorobenzene	16.503	284	8714	0.403	ng	99
23) Atrazine	16.652	200	4740	0.340	ng	96
24) Pentachlorophenol	16.851	266	1924	0.206	ng	98
25) Phenanthrene	17.235	178	35218	0.382	ng	100
26) Anthracene	17.322	178	29633	0.368	ng	100
28) Fluoranthene	19.253	202	36754	0.357	ng	100
30) Pyrene	19.615	202	36140	0.428	ng	100
32) Benzo(a)anthracene	21.358	228	24400	0.365	ng	99
33) Chrysene	21.411	228	28858	0.398	ng	99
34) Bis(2-ethylhexyl)phtha...	21.295	149	14539	0.413	ng	100
36) Indeno(1,2,3-cd)pyrene	26.042	276	26669	0.410	ng	98
37) Benzo(b)fluoranthene	22.987	252	25099	0.371	ng	97
38) Benzo(k)fluoranthene	23.034	252	26388	0.388	ng	99
39) Benzo(a)pyrene	23.587	252	20416	0.377	ng	97
40) Dibenzo(a,h)anthracene	26.060	278	21204	0.424	ng	98
41) Benzo(g,h,i)perylene	26.759	276	24133	0.423	ng	99

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

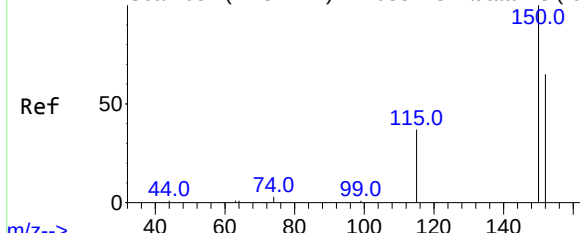
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN111025\
Data File : BN038174.D
Acq On : 10 Nov 2025 10:14
Operator : RC/JU
Sample : SSTDCCC0.4
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Quant Time: Nov 10 10:38:07 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



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



#1

1,4-Dichlorobenzene-d4

Concen: 0.400 ng

RT: 7.782 min Scan# 61

Delta R.T. 0.007 min

Lab File: BN038174.D

Acq: 10 Nov 2025 10:14

Instrument :

BNA_N

ClientSampleId :

SSTDCCC0.4

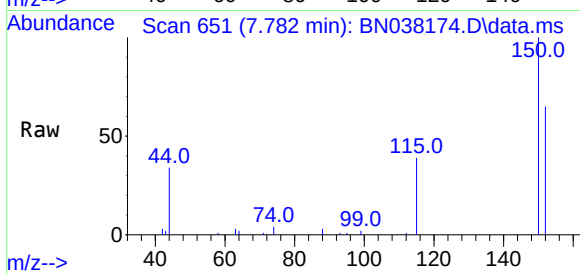
Tgt Ion:152 Resp: 8757

Ion Ratio Lower Upper

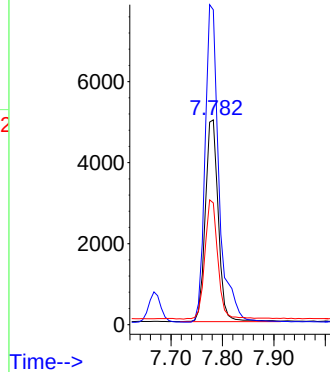
152 100

150 153.7 122.3 183.5

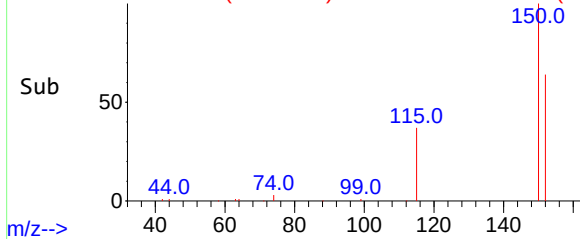
115 59.4 47.4 71.0



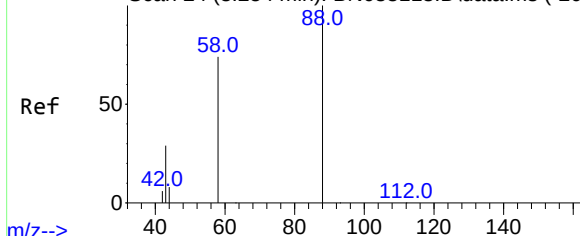
Abundance



Abundance Scan 651 (7.782 min): BN038174.D\data.ms (-62)



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



#2

1,4-Dioxane

Concen: 0.391 ng

RT: 3.254 min Scan# 24

Delta R.T. 0.000 min

Lab File: BN038174.D

Acq: 10 Nov 2025 10:14

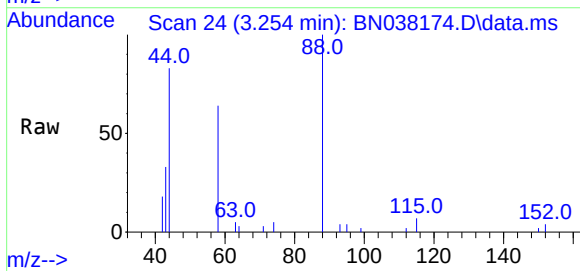
Tgt Ion: 88 Resp: 3538

Ion Ratio Lower Upper

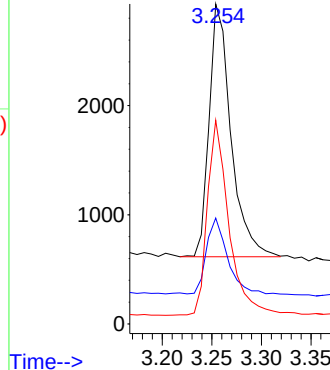
88 100

43 29.2 24.3 36.5

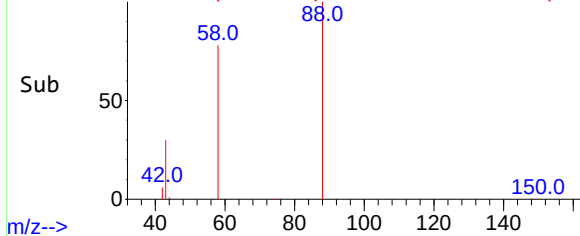
58 76.1 60.4 90.6



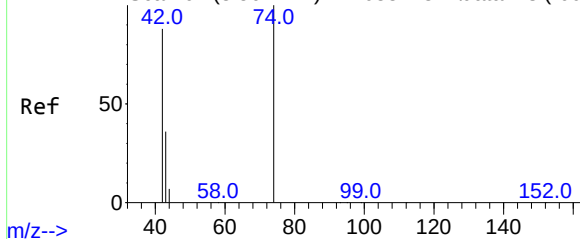
Abundance



Abundance Scan 24 (3.254 min): BN038174.D\data.ms (-10)

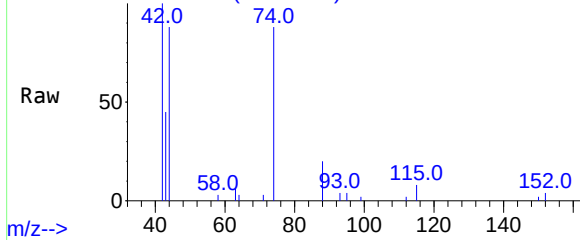


Abundance Scan 67 (3.564 min): BN038113.D\data.ms (-60)



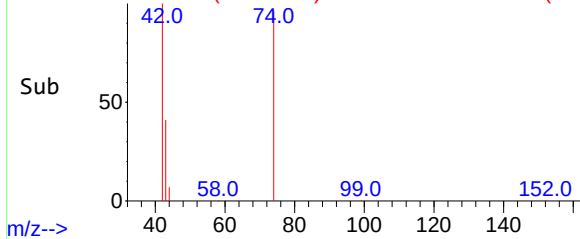
m/z-->

Abundance Scan 67 (3.564 min): BN038174.D\data.ms



m/z-->

Abundance Scan 67 (3.564 min): BN038174.D\data.ms (-45)



m/z-->

#3

n-Nitrosodimethylamine

Concen: 0.390 ng

RT: 3.564 min Scan# 61

Delta R.T. 0.007 min

Lab File: BN038174.D

Acq: 10 Nov 2025 10:14

Instrument :

BNA_N

ClientSampleId :

SSTDCCC0.4

Tgt Ion: 42 Resp: 4537

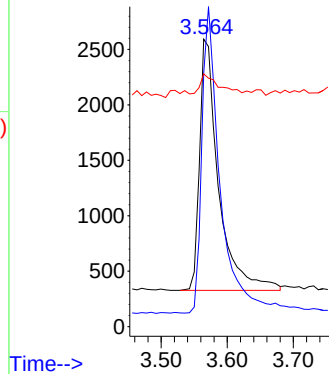
Ion Ratio Lower Upper

42 100

74 116.9 96.8 145.2

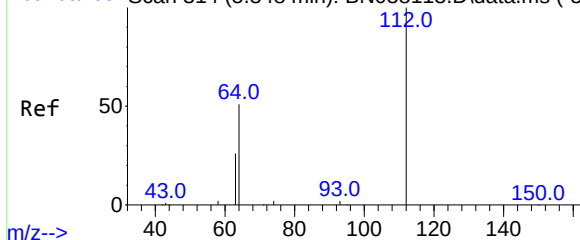
44 8.4 5.3 7.9#

Abundance



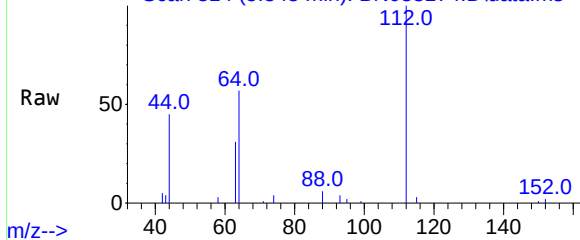
Time-->

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



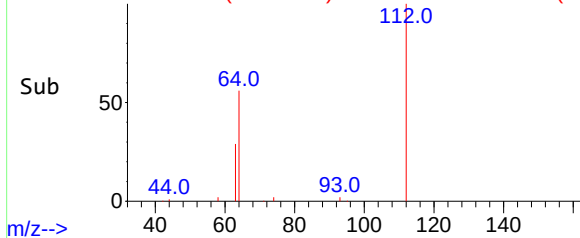
m/z-->

Abundance Scan 314 (5.348 min): BN038174.D\data.ms



m/z-->

Abundance Scan 314 (5.348 min): BN038174.D\data.ms (-28)



m/z-->

#4

2-Fluorophenol

Concen: 0.412 ng

RT: 5.348 min Scan# 314

Delta R.T. 0.000 min

Lab File: BN038174.D

Acq: 10 Nov 2025 10:14

Tgt Ion: 112 Resp: 8505

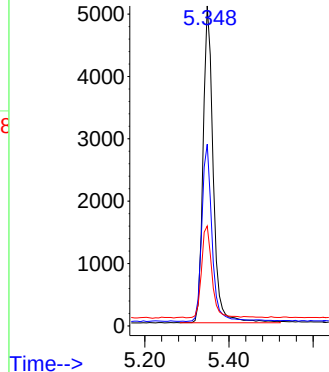
Ion Ratio Lower Upper

112 100

64 55.9 45.4 68.0

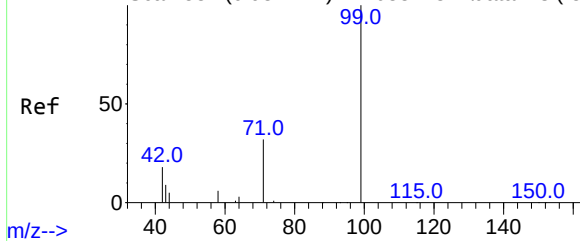
63 29.5 23.2 34.8

Abundance



Time-->

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



#5

Phenol-d6

Concen: 0.407 ng

RT: 6.944 min Scan# 51

Delta R.T. 0.007 min

Lab File: BN038174.D

Acq: 10 Nov 2025 10:14

Instrument :

BNA_N

ClientSampleId :

SSTDCCC0.4

Tgt Ion: 99 Resp: 10238

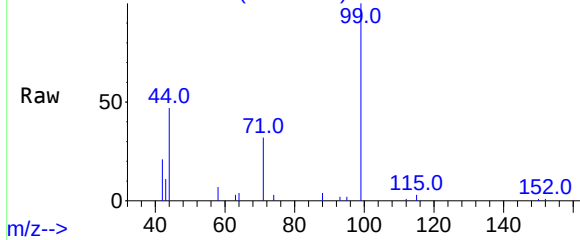
Ion Ratio Lower Upper

99 100

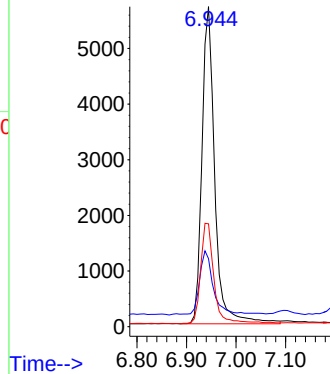
42 21.2 16.6 24.8

71 33.1 25.4 38.2

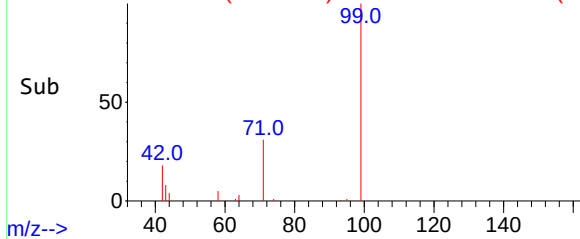
Abundance Scan 535 (6.944 min): BN038174.D\data.ms



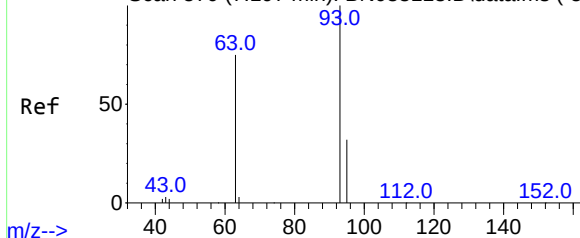
Abundance



Abundance Scan 535 (6.944 min): BN038174.D\data.ms (-50



Abundance Scan 570 (7.197 min): BN038113.D\data.ms (-56



#6

bis(2-Chloroethyl)ether

Concen: 0.396 ng

RT: 7.197 min Scan# 570

Delta R.T. 0.000 min

Lab File: BN038174.D

Acq: 10 Nov 2025 10:14

Tgt Ion: 93 Resp: 9781

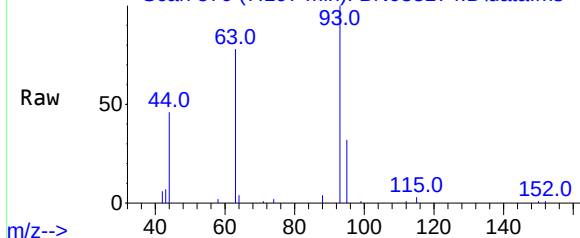
Ion Ratio Lower Upper

93 100

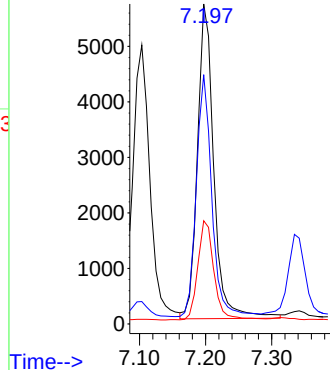
63 73.1 59.3 88.9

95 31.3 25.2 37.8

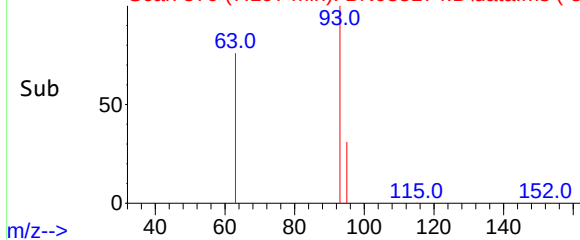
Abundance Scan 570 (7.197 min): BN038174.D\data.ms

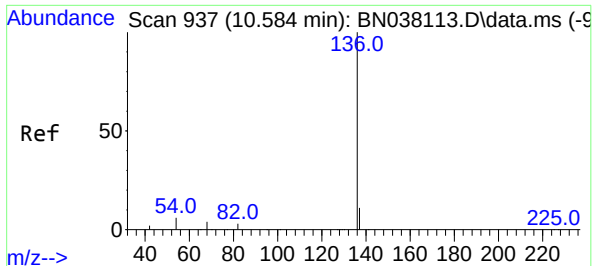


Abundance



Abundance Scan 570 (7.197 min): BN038174.D\data.ms (-53

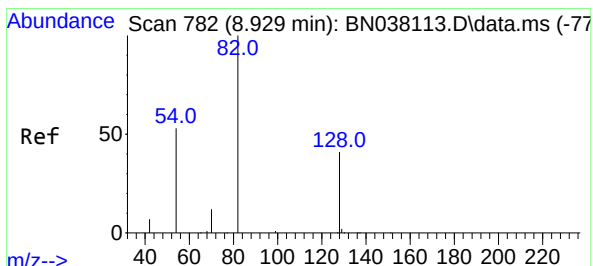
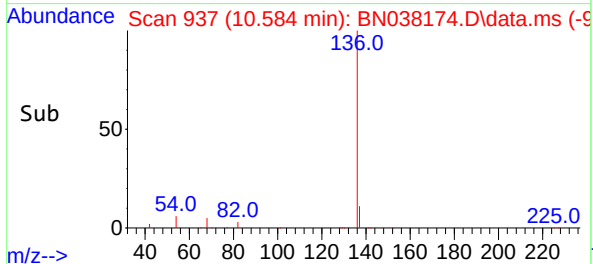
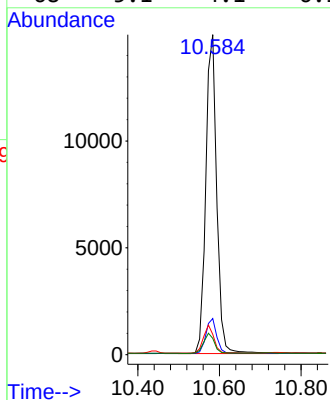
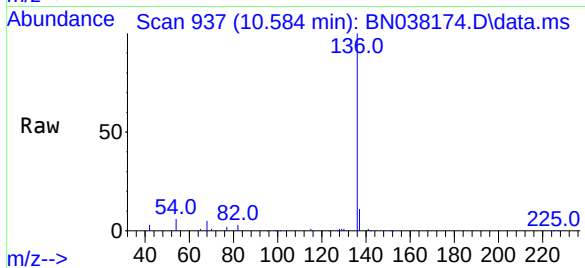




#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.584 min Scan# 91
Delta R.T. 0.011 min
Lab File: BN038174.D
Acq: 10 Nov 2025 10:14

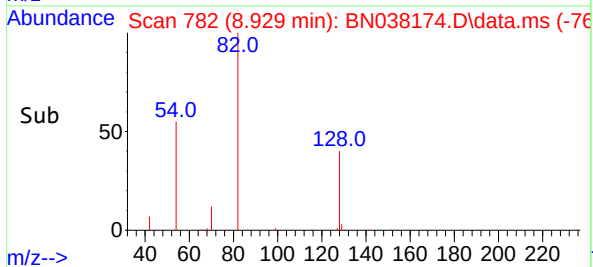
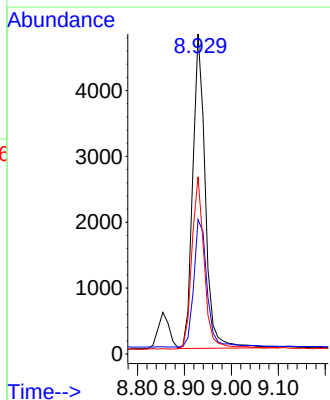
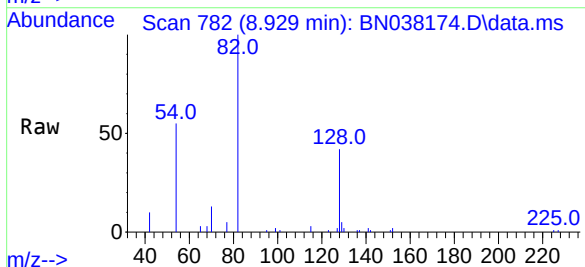
Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

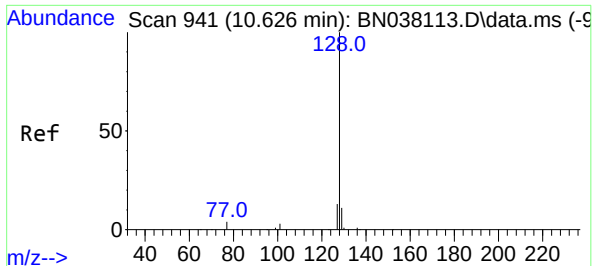
Tgt Ion:	136	Resp:	27774
Ion	Ratio	Lower	Upper
136	100		
137	11.3	9.0	13.4
54	6.3	5.2	7.8
68	5.1	4.1	6.1



#8
Nitrobenzene-d5
Concen: 0.395 ng
RT: 8.929 min Scan# 782
Delta R.T. 0.000 min
Lab File: BN038174.D
Acq: 10 Nov 2025 10:14

Tgt Ion:	82	Resp:	8863
Ion	Ratio	Lower	Upper
82	100		
128	42.0	34.1	51.1
54	55.4	43.5	65.3

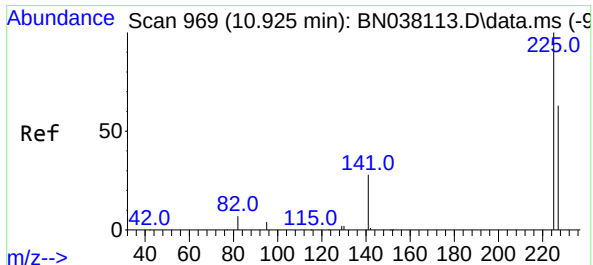
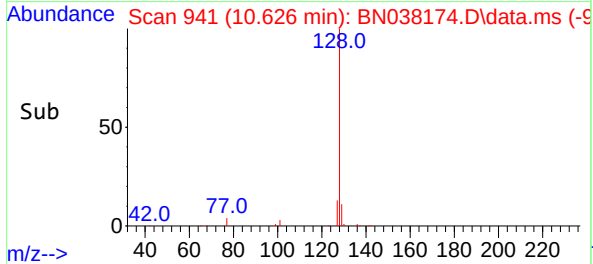
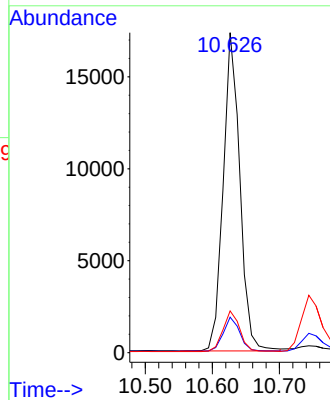
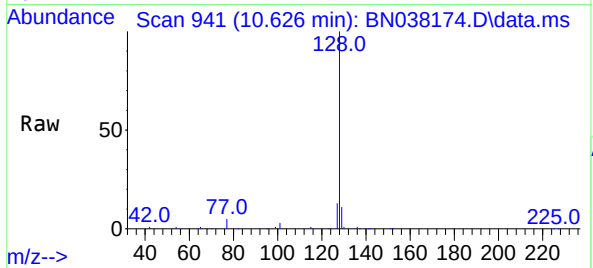




#9
Naphthalene
Concen: 0.390 ng
RT: 10.626 min Scan# 941
Delta R.T. 0.000 min
Lab File: BN038174.D
Acq: 10 Nov 2025 10:14

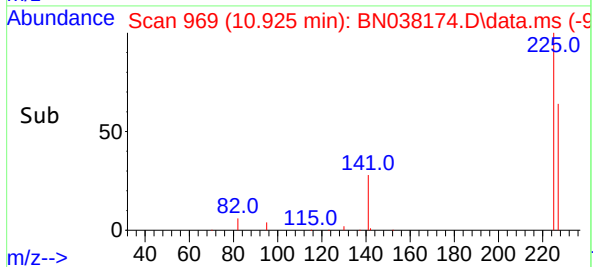
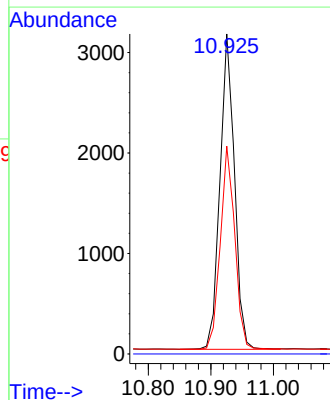
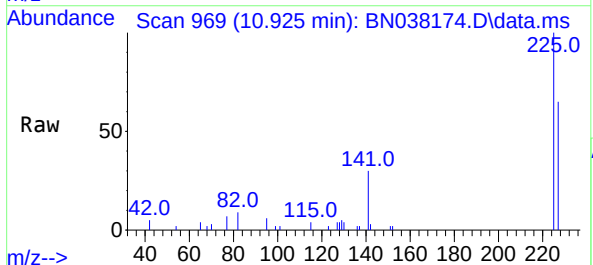
Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

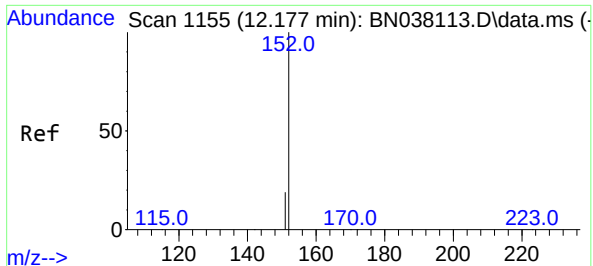
Tgt Ion:128 Resp: 29824
Ion Ratio Lower Upper
128 100
129 11.1 9.1 13.7
127 13.0 10.5 15.7



#10
Hexachlorobutadiene
Concen: 0.392 ng
RT: 10.925 min Scan# 969
Delta R.T. 0.000 min
Lab File: BN038174.D
Acq: 10 Nov 2025 10:14

Tgt Ion:225 Resp: 5061
Ion Ratio Lower Upper
225 100
223 0.0 0.0 0.0
227 64.3 50.3 75.5

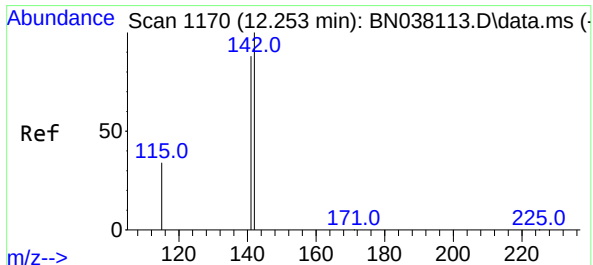
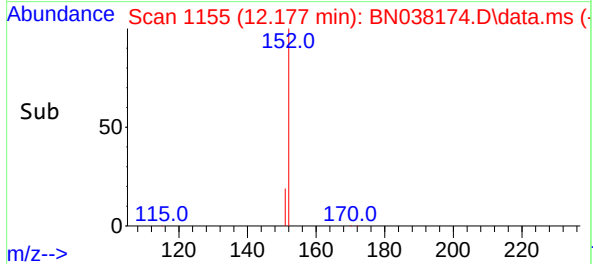
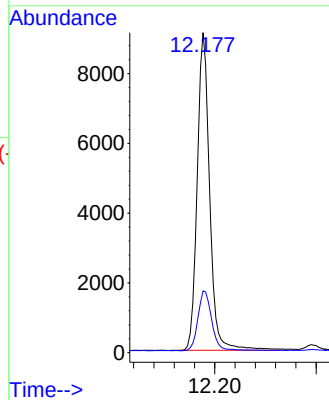
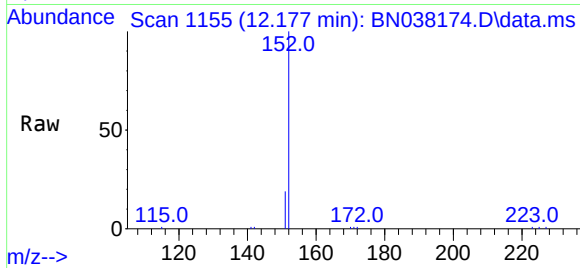




#11
2-Methylnaphthalene-d10
Concen: 0.393 ng
RT: 12.177 min Scan# 1155
Delta R.T. 0.000 min
Lab File: BN038174.D
Acq: 10 Nov 2025 10:14

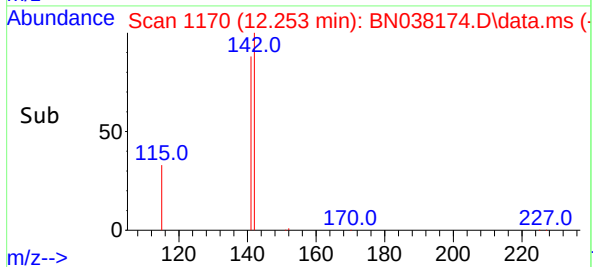
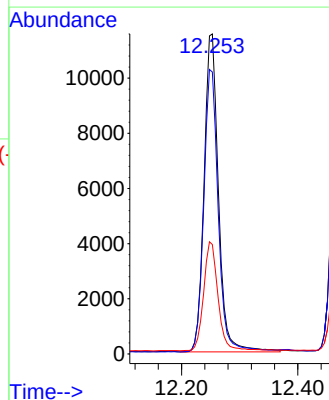
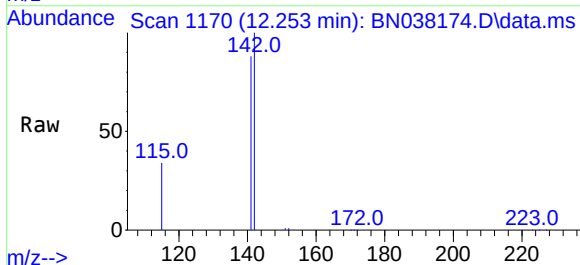
Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

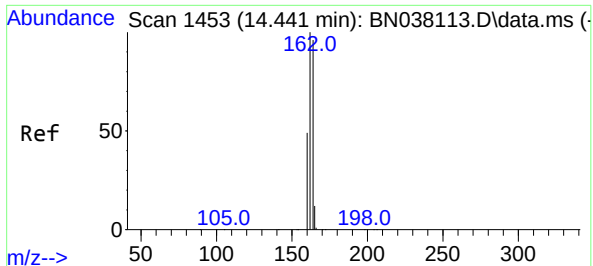
Tgt Ion:152 Resp: 15571
Ion Ratio Lower Upper
152 100
151 21.1 16.8 25.2



#12
2-Methylnaphthalene
Concen: 0.389 ng
RT: 12.253 min Scan# 1170
Delta R.T. 0.005 min
Lab File: BN038174.D
Acq: 10 Nov 2025 10:14

Tgt Ion:142 Resp: 19854
Ion Ratio Lower Upper
142 100
141 88.1 70.3 105.5
115 34.2 27.8 41.6

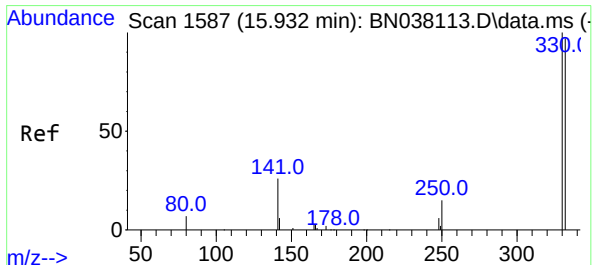
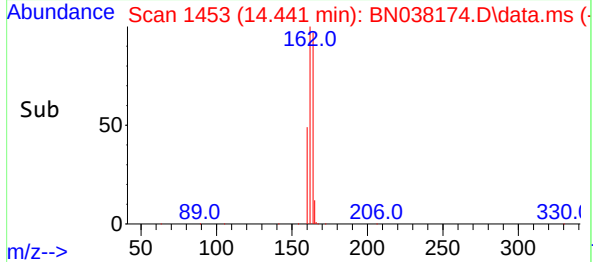
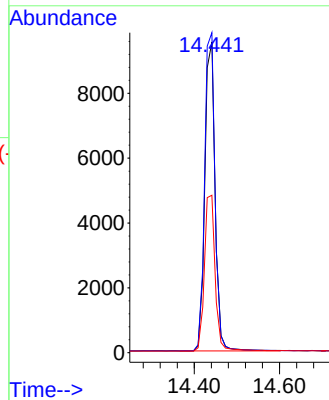
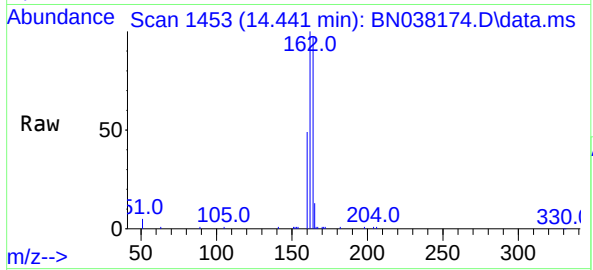




#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.441 min Scan# 1453
Delta R.T. 0.011 min
Lab File: BN038174.D
Acq: 10 Nov 2025 10:14

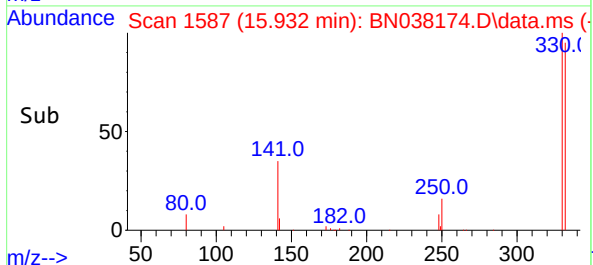
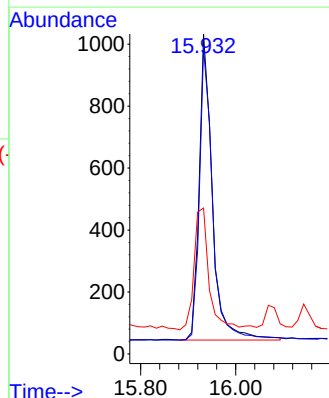
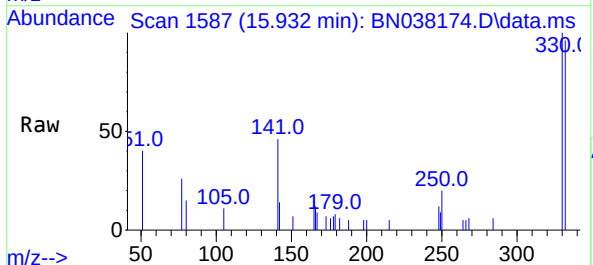
Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

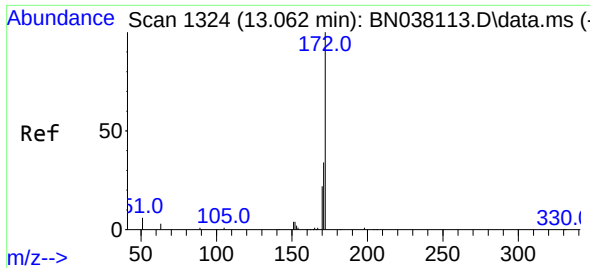
Tgt Ion:164 Resp: 15906
Ion Ratio Lower Upper
164 100
162 103.0 83.0 124.4
160 50.7 40.7 61.1



#14
2,4,6-Tribromophenol
Concen: 0.291 ng
RT: 15.932 min Scan# 1587
Delta R.T. 0.000 min
Lab File: BN038174.D
Acq: 10 Nov 2025 10:14

Tgt Ion:330 Resp: 1905
Ion Ratio Lower Upper
330 100
332 96.4 76.6 114.8
141 45.1 34.1 51.1

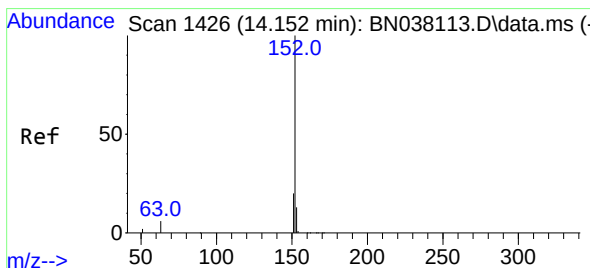
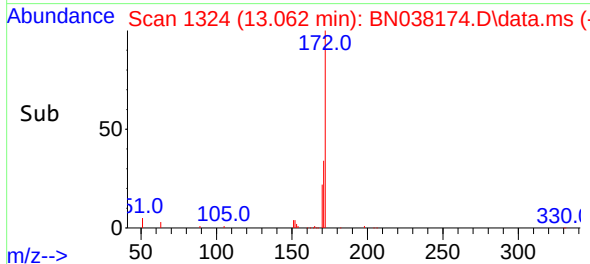
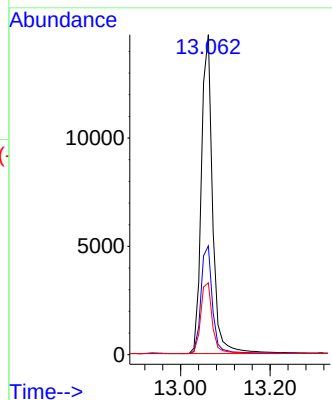
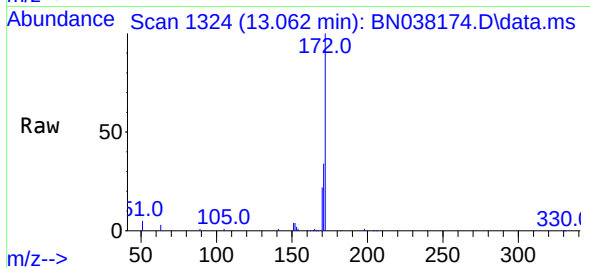




#15
2-Fluorobiphenyl
Concen: 0.383 ng
RT: 13.062 min Scan# 1324
Delta R.T. 0.011 min
Lab File: BN038174.D
Acq: 10 Nov 2025 10:14

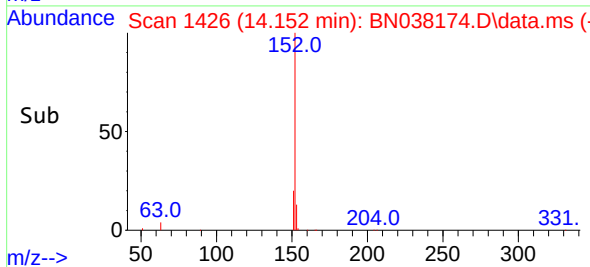
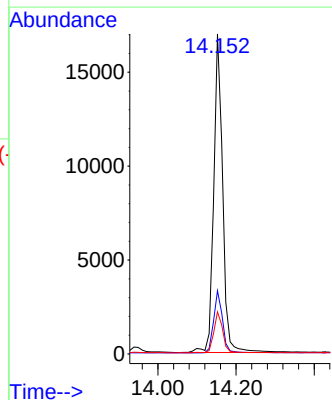
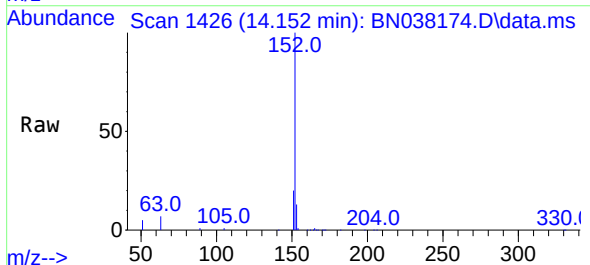
Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

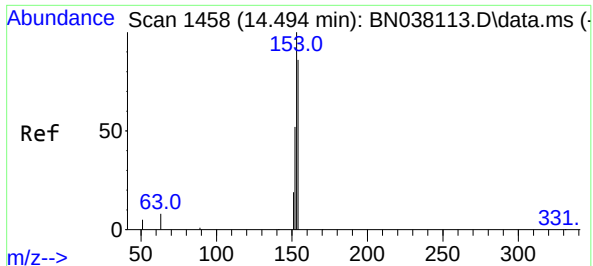
Tgt Ion	Ratio	Lower	Upper
172	100		
171	34.0	27.8	41.6
170	22.4	18.1	27.1



#16
Acenaphthylene
Concen: 0.374 ng
RT: 14.152 min Scan# 1426
Delta R.T. 0.000 min
Lab File: BN038174.D
Acq: 10 Nov 2025 10:14

Tgt Ion	Ratio	Lower	Upper
152	100		
151	19.3	15.8	23.8
153	12.9	10.2	15.2

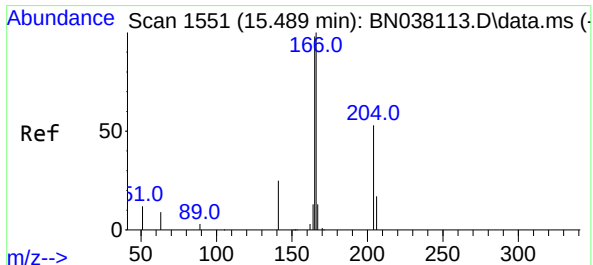
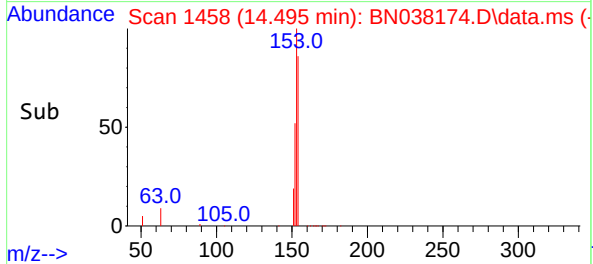
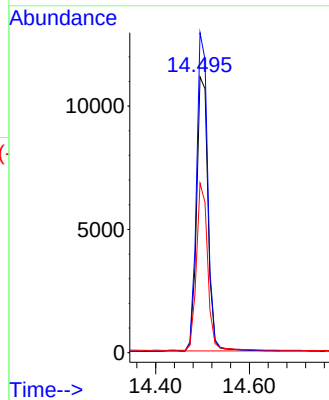
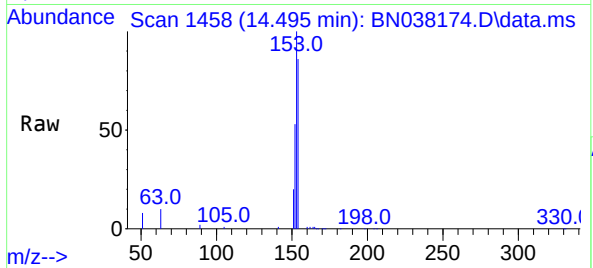




#17
Acenaphthene
Concen: 0.373 ng
RT: 14.495 min Scan# 1458
Delta R.T. 0.000 min
Lab File: BN038174.D
Acq: 10 Nov 2025 10:14

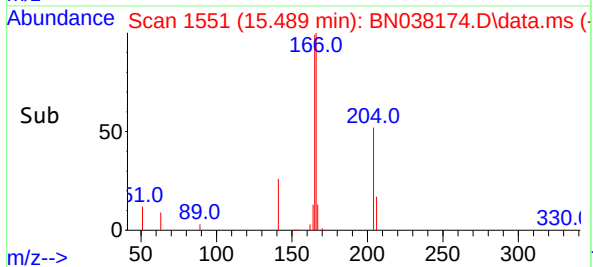
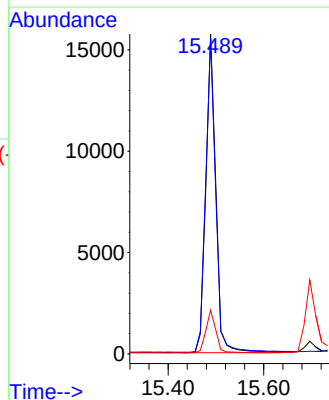
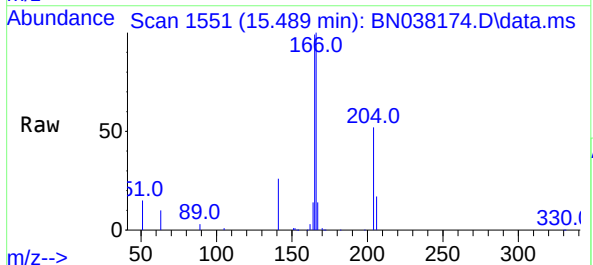
Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

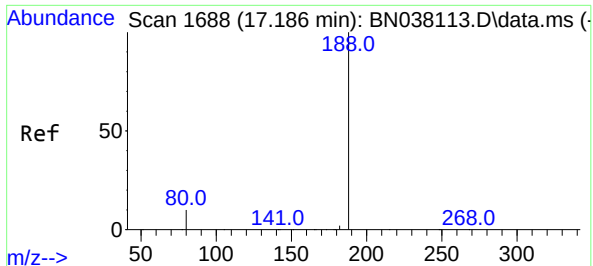
Tgt Ion:154 Resp: 18777
Ion Ratio Lower Upper
154 100
153 114.6 90.0 135.0
152 60.3 47.3 70.9



#18
Fluorene
Concen: 0.370 ng
RT: 15.489 min Scan# 1551
Delta R.T. -0.000 min
Lab File: BN038174.D
Acq: 10 Nov 2025 10:14

Tgt Ion:166 Resp: 24441
Ion Ratio Lower Upper
166 100
165 100.0 79.0 118.4
167 13.2 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: BN038174.D

Acq: 10 Nov 2025 10:14

Instrument :

BNA_N

ClientSampleId :

SSTDCCC0.4

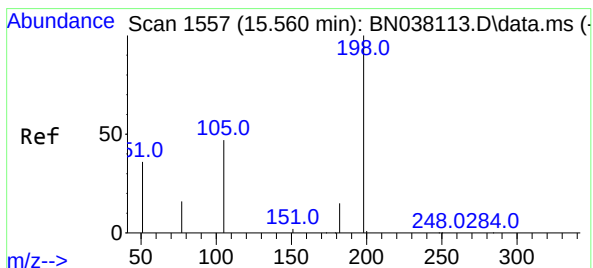
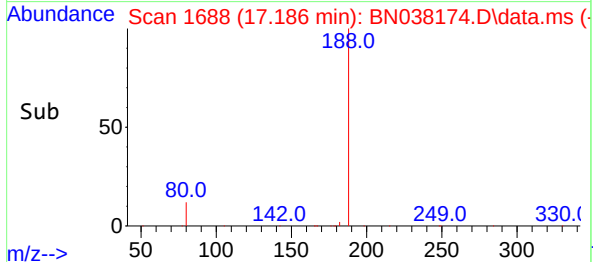
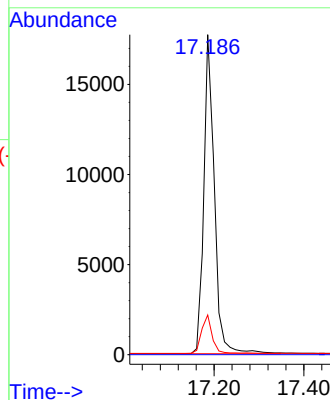
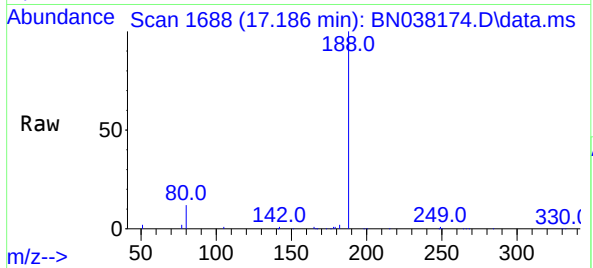
Tgt Ion:188 Resp: 29029

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

80 12.4 8.6 13.0



#20

4,6-Dinitro-2-methylphenol

Concen: 0.300 ng

RT: 15.572 min Scan# 1558

Delta R.T. 0.012 min

Lab File: BN038174.D

Acq: 10 Nov 2025 10:14

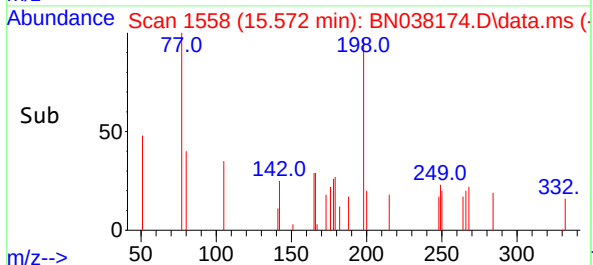
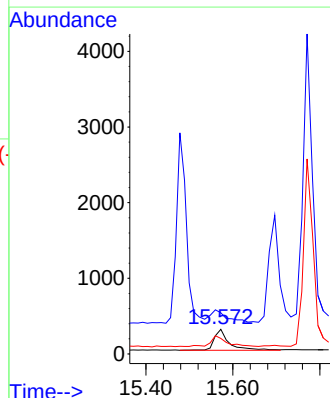
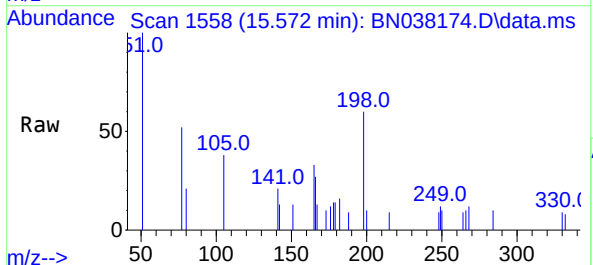
Tgt Ion:198 Resp: 645

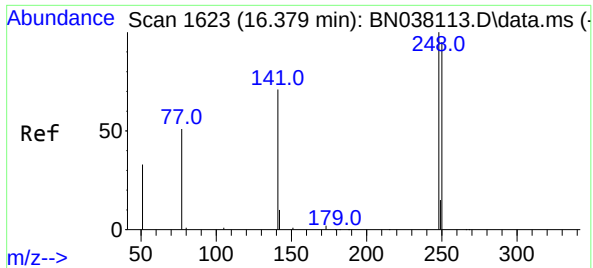
Ion Ratio Lower Upper

198 100

51 166.9 88.9 133.3#

105 63.2 49.2 73.8

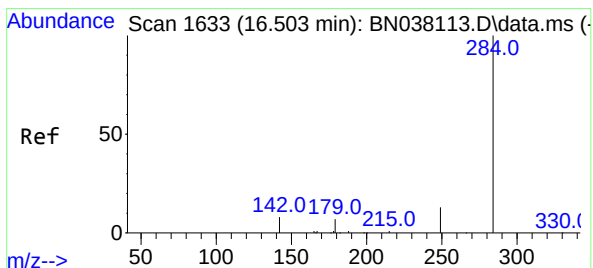
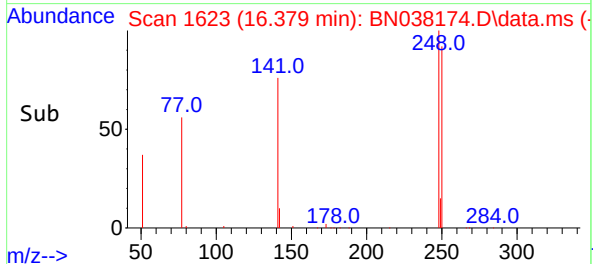
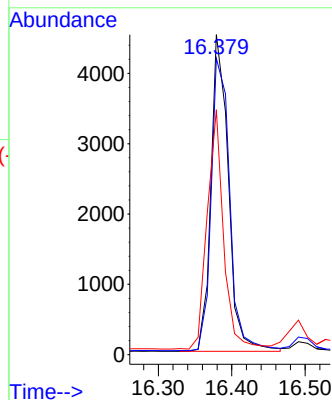
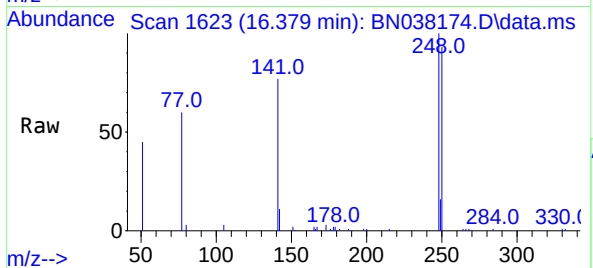




#21
4-Bromophenyl-phenylether
Concen: 0.391 ng
RT: 16.379 min Scan# 1623
Delta R.T. 0.000 min
Lab File: BN038174.D
Acq: 10 Nov 2025 10:14

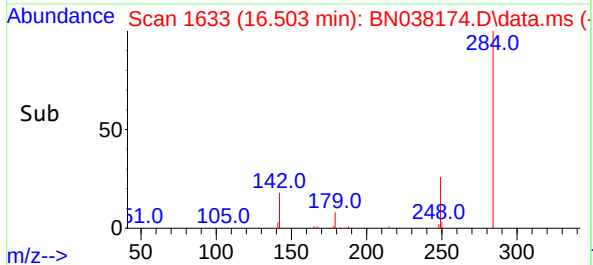
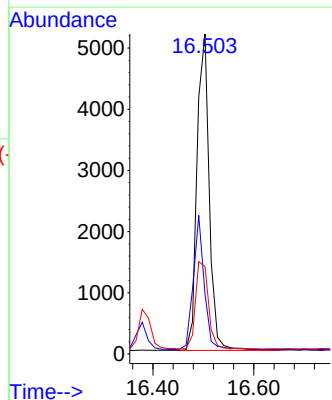
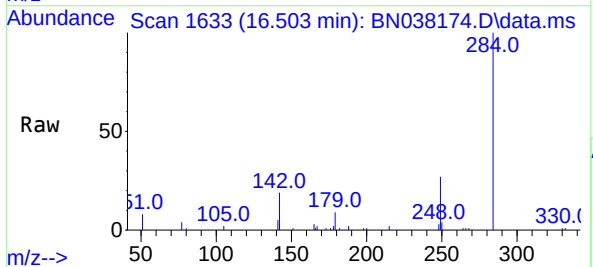
Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

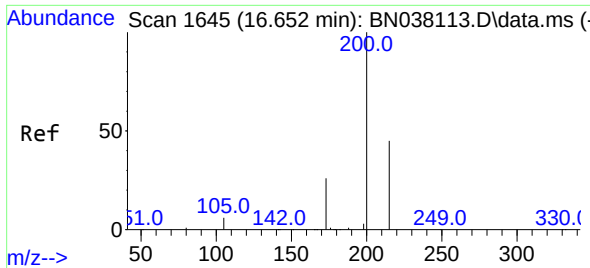
Tgt Ion:248 Resp: 7432
Ion Ratio Lower Upper
248 100
250 92.6 76.2 114.2
141 76.6 57.6 86.4



#22
Hexachlorobenzene
Concen: 0.403 ng
RT: 16.503 min Scan# 1633
Delta R.T. 0.000 min
Lab File: BN038174.D
Acq: 10 Nov 2025 10:14

Tgt Ion:284 Resp: 8714
Ion Ratio Lower Upper
284 100
142 38.7 30.5 45.7
249 29.5 23.5 35.3

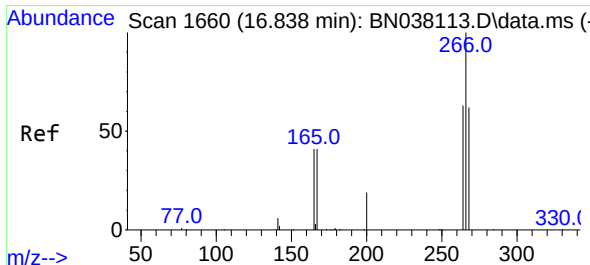
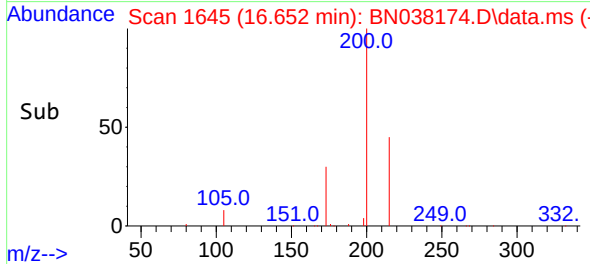
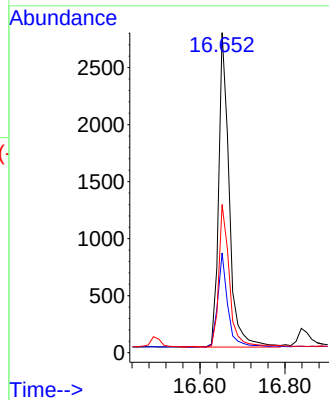
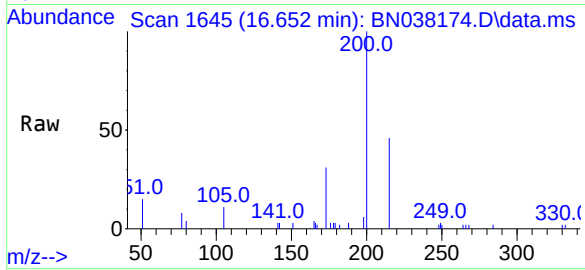




#23
Atrazine
Concen: 0.340 ng
RT: 16.652 min Scan# 1661
Delta R.T. 0.000 min
Lab File: BN038174.D
Acq: 10 Nov 2025 10:14

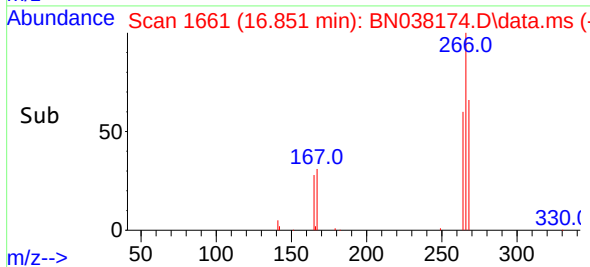
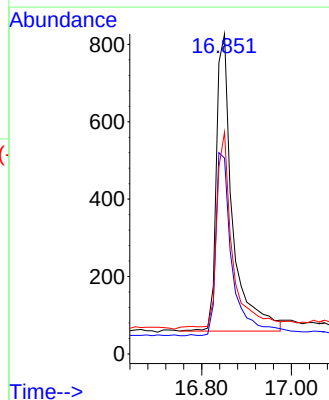
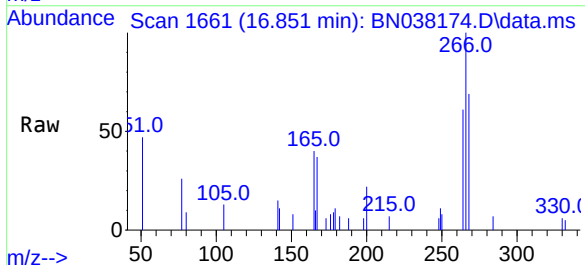
Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

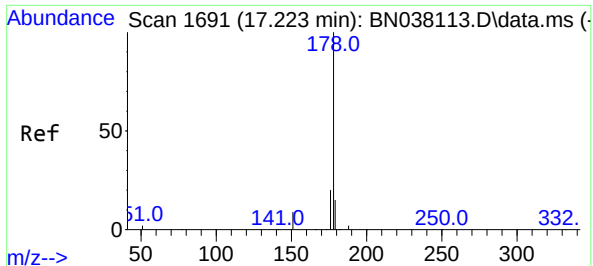
Tgt Ion	Ratio	Lower	Upper
200	100		
173	31.1	21.4	32.2
215	46.3	36.7	55.1



#24
Pentachlorophenol
Concen: 0.206 ng
RT: 16.851 min Scan# 1661
Delta R.T. 0.012 min
Lab File: BN038174.D
Acq: 10 Nov 2025 10:14

Tgt Ion	Ratio	Lower	Upper
266	100		
264	63.4	49.3	73.9
268	61.6	50.6	75.8

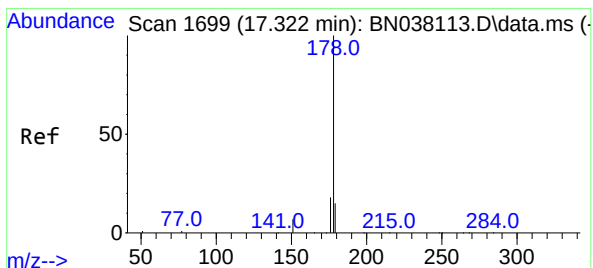
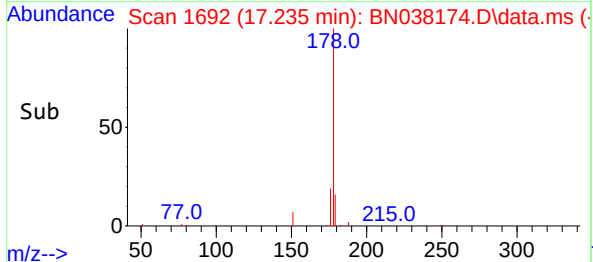
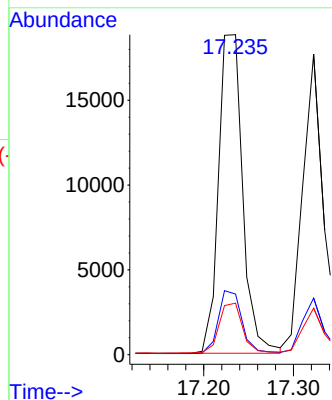
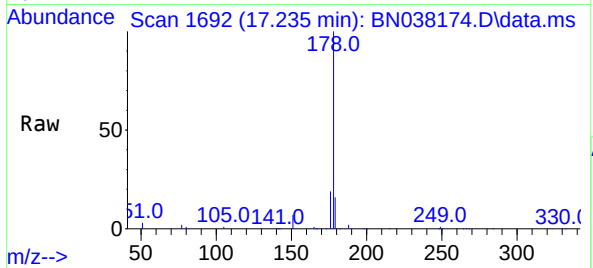




#25
Phenanthrene
Concen: 0.382 ng
RT: 17.235 min Scan# 1692
Delta R.T. 0.012 min
Lab File: BN038174.D
Acq: 10 Nov 2025 10:14

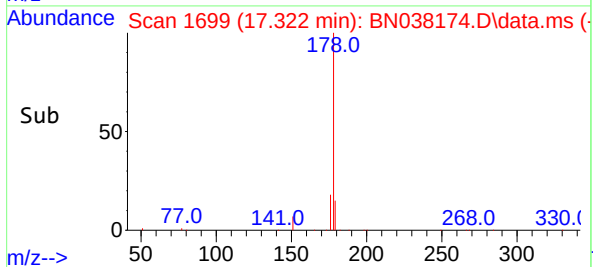
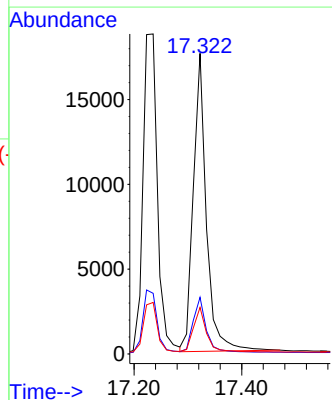
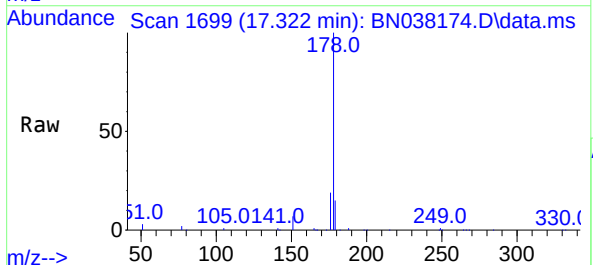
Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

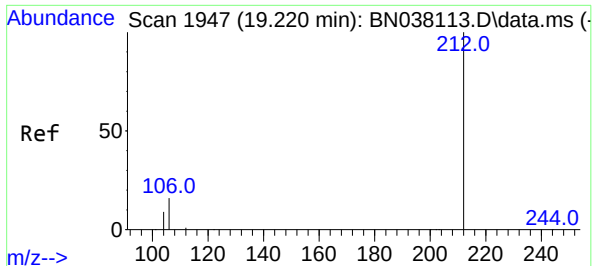
Tgt Ion:178 Resp: 35218
Ion Ratio Lower Upper
178 100
176 19.3 15.5 23.3
179 15.4 12.2 18.4



#26
Anthracene
Concen: 0.368 ng
RT: 17.322 min Scan# 1699
Delta R.T. 0.000 min
Lab File: BN038174.D
Acq: 10 Nov 2025 10:14

Tgt Ion:178 Resp: 29633
Ion Ratio Lower Upper
178 100
176 18.6 14.9 22.3
179 15.1 11.8 17.8





#27

Fluoranthene-d10

Concen: 0.364 ng

RT: 19.225 min Scan# 1948

Delta R.T. 0.005 min

Lab File: BN038174.D

Acq: 10 Nov 2025 10:14

Instrument :

BNA_N

ClientSampleId :

SSTDCCC0.4

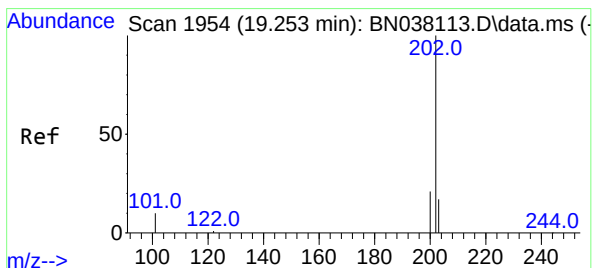
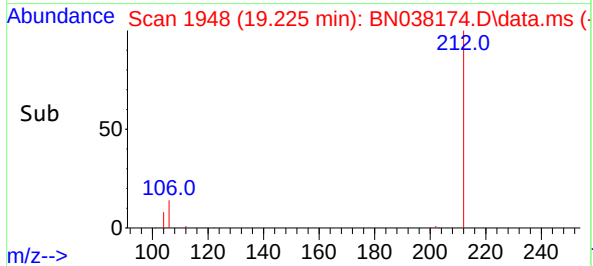
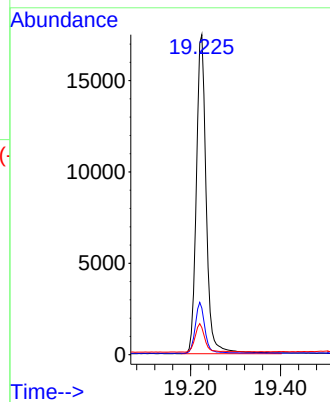
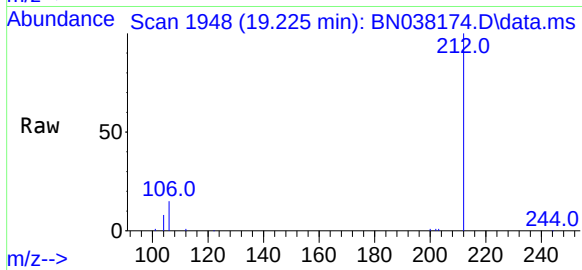
Tgt Ion:212 Resp: 26616

Ion Ratio Lower Upper

212 100

106 15.5 12.6 19.0

104 8.6 7.1 10.7



#28

Fluoranthene

Concen: 0.357 ng

RT: 19.253 min Scan# 1954

Delta R.T. 0.000 min

Lab File: BN038174.D

Acq: 10 Nov 2025 10:14

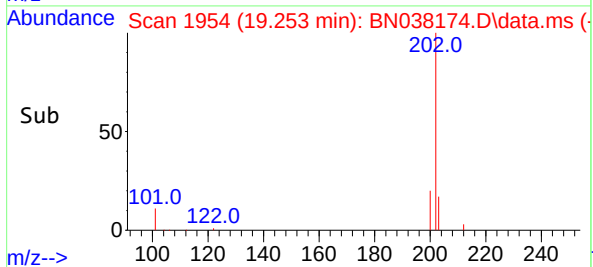
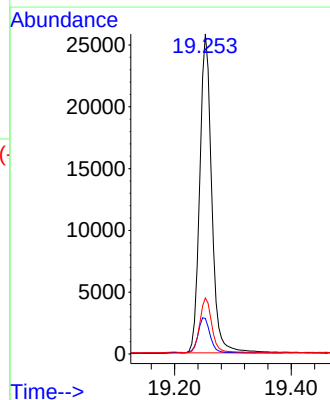
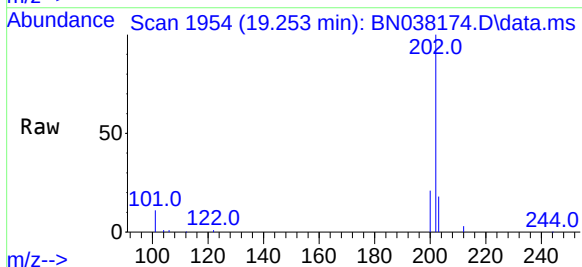
Tgt Ion:202 Resp: 36754

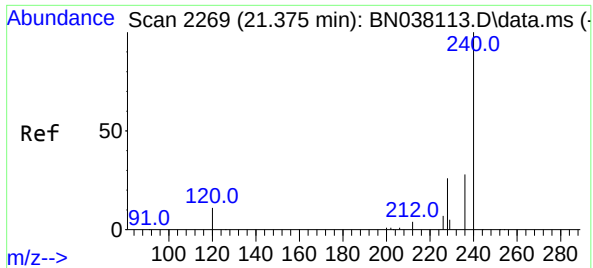
Ion Ratio Lower Upper

202 100

101 11.6 9.4 14.2

203 17.0 13.4 20.2

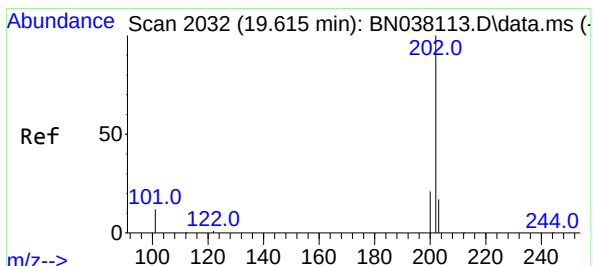
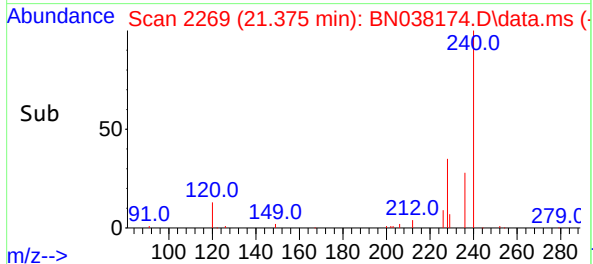
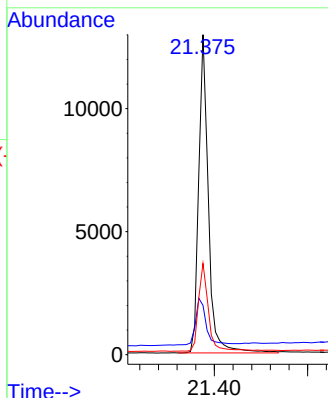
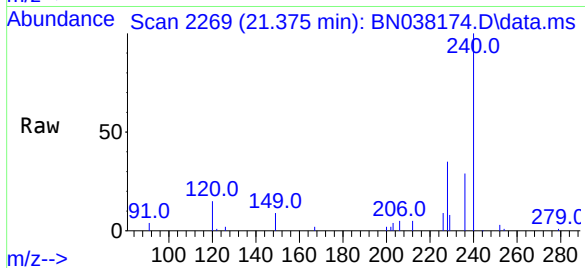




#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.375 min Scan# 21
Delta R.T. 0.000 min
Lab File: BN038174.D
Acq: 10 Nov 2025 10:14

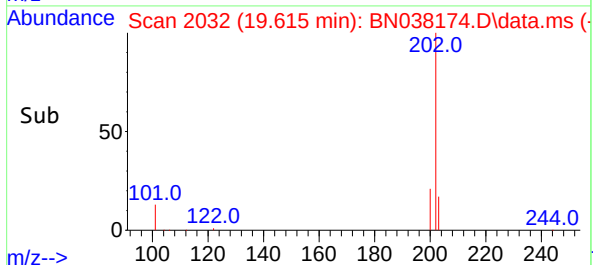
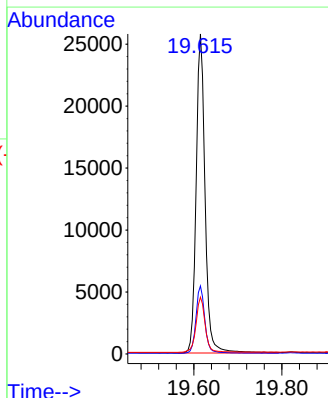
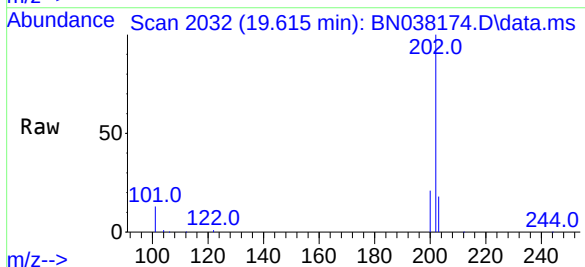
Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

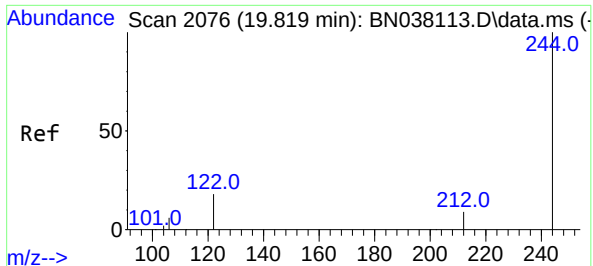
Tgt Ion:240 Resp: 18717
Ion Ratio Lower Upper
240 100
120 15.4 10.7 16.1
236 28.5 23.1 34.7



#30
Pyrene
Concen: 0.428 ng
RT: 19.615 min Scan# 2032
Delta R.T. 0.005 min
Lab File: BN038174.D
Acq: 10 Nov 2025 10:14

Tgt Ion:202 Resp: 36140
Ion Ratio Lower Upper
202 100
200 20.8 16.7 25.1
203 17.8 14.2 21.2





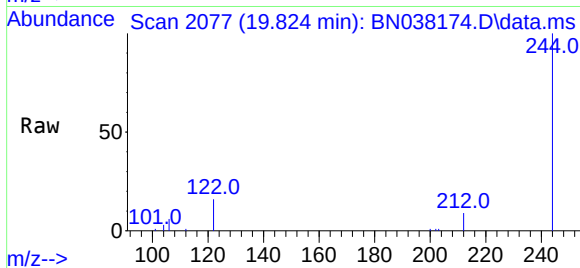
#31
Terphenyl-d14
Concen: 0.441 ng
RT: 19.824 min Scan# 2077
Delta R.T. 0.005 min
Lab File: BN038174.D
Acq: 10 Nov 2025 10:14

Instrument :

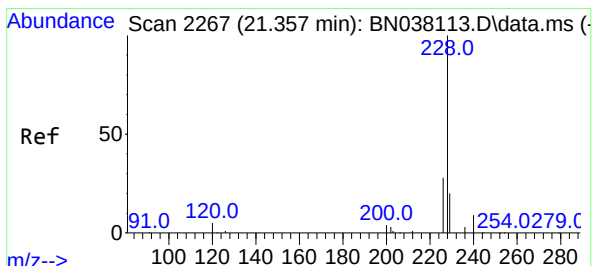
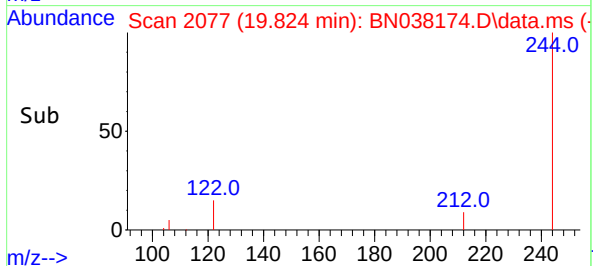
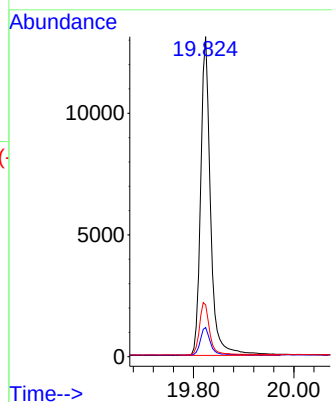
BNA_N

ClientSampleId :

SSTDCCC0.4

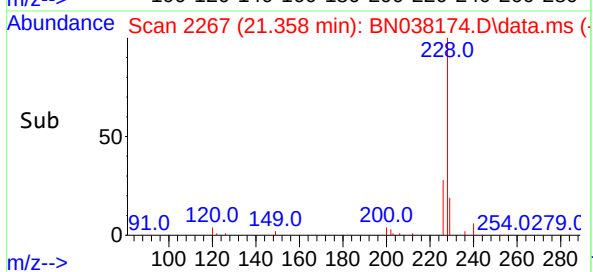
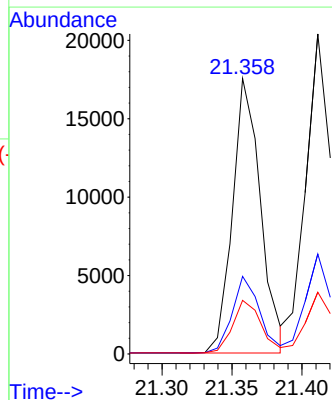
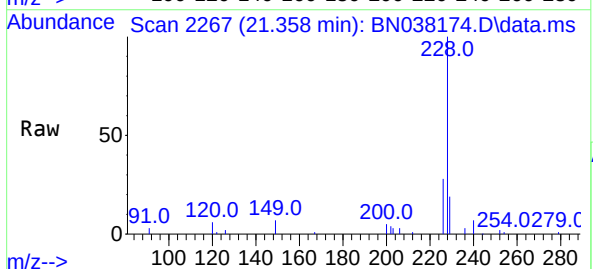


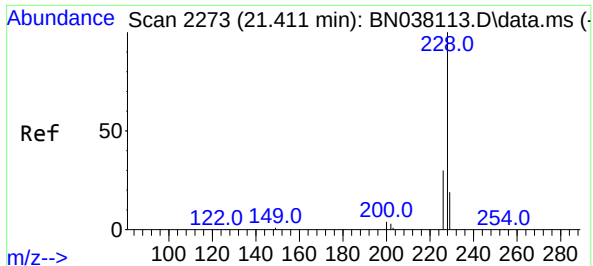
Tgt Ion:244 Resp: 17932
Ion Ratio Lower Upper
244 100
212 9.1 7.8 11.6
122 16.2 15.2 22.8



#32
Benzo(a)anthracene
Concen: 0.365 ng
RT: 21.358 min Scan# 2267
Delta R.T. 0.000 min
Lab File: BN038174.D
Acq: 10 Nov 2025 10:14

Tgt Ion:228 Resp: 24400
Ion Ratio Lower Upper
228 100
226 28.1 22.2 33.4
229 19.5 15.8 23.8

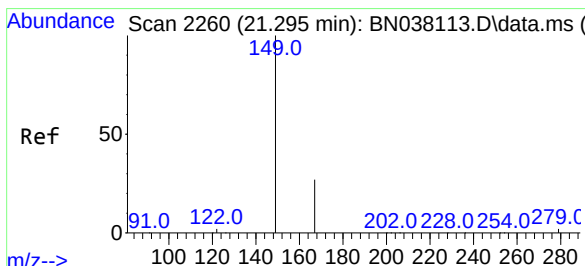
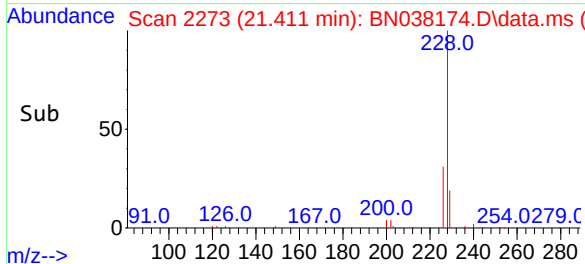
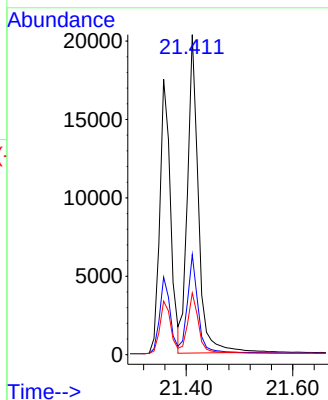
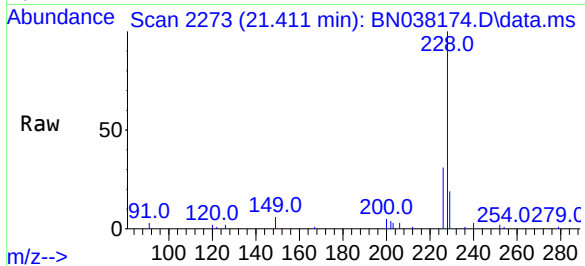




#33
Chrysene
Concen: 0.398 ng
RT: 21.411 min Scan# 21
Delta R.T. 0.000 min
Lab File: BN038174.D
Acq: 10 Nov 2025 10:14

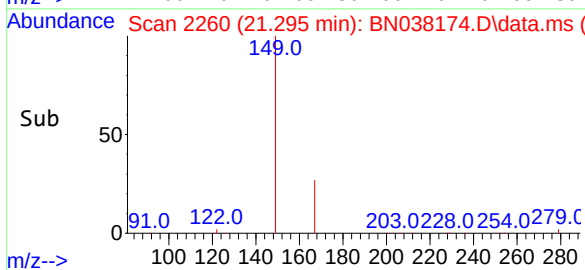
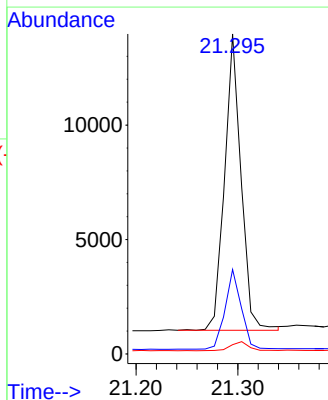
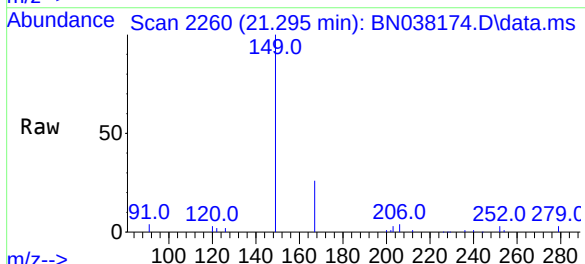
Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

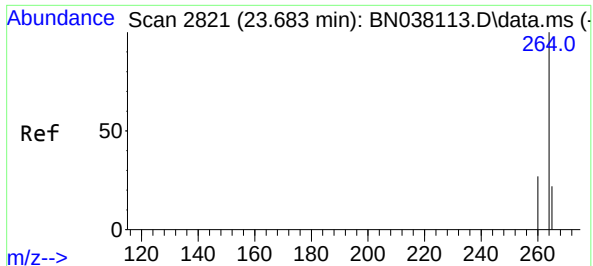
Tgt Ion	Ratio	Lower	Upper
228	100		
226	31.3	24.3	36.5
229	19.3	15.7	23.5



#34
Bis(2-ethylhexyl)phthalate
Concen: 0.413 ng
RT: 21.295 min Scan# 2260
Delta R.T. 0.000 min
Lab File: BN038174.D
Acq: 10 Nov 2025 10:14

Tgt Ion	Ratio	Lower	Upper
149	100		
167	26.4	21.1	31.7
279	3.6	2.9	4.3

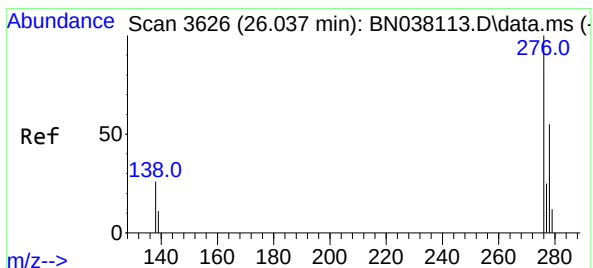
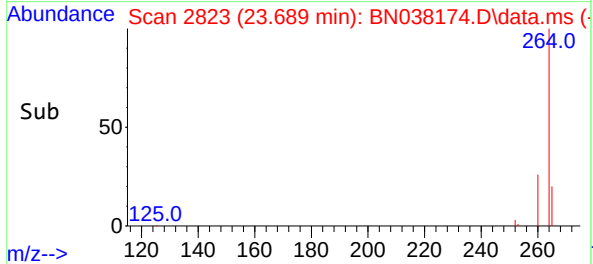
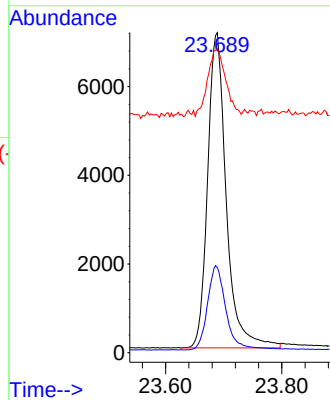
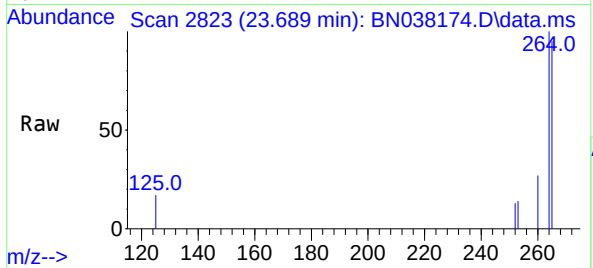




#35
Perylene-d12
Concen: 0.400 ng
RT: 23.689 min Scan# 21
Delta R.T. 0.009 min
Lab File: BN038174.D
Acq: 10 Nov 2025 10:14

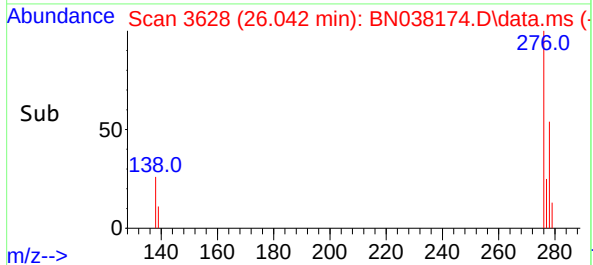
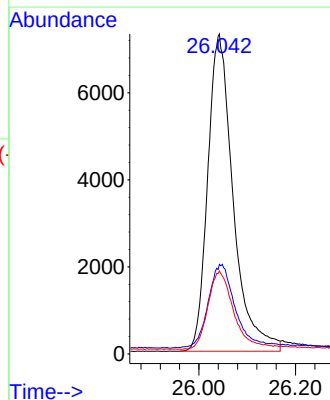
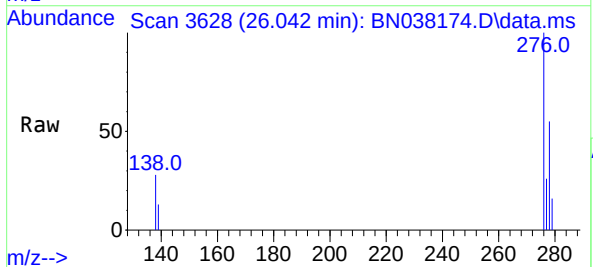
Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

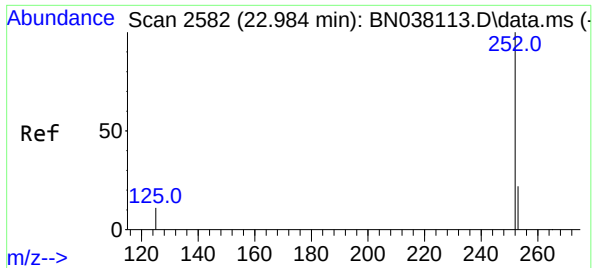
Tgt Ion:264 Resp: 15819
Ion Ratio Lower Upper
264 100
260 26.6 21.8 32.8
265 95.0 68.6 102.8



#36
Indeno(1,2,3-cd)pyrene
Concen: 0.410 ng
RT: 26.042 min Scan# 3628
Delta R.T. 0.009 min
Lab File: BN038174.D
Acq: 10 Nov 2025 10:14

Tgt Ion:276 Resp: 26669
Ion Ratio Lower Upper
276 100
138 27.4 21.4 32.0
277 25.0 19.2 28.8





#37

Benzo(b)fluoranthene

Concen: 0.371 ng

RT: 22.987 min Scan# 2582

Delta R.T. 0.006 min

Lab File: BN038174.D

Acq: 10 Nov 2025 10:14

Instrument :

BNA_N

ClientSampleId :

SSTDCCC0.4

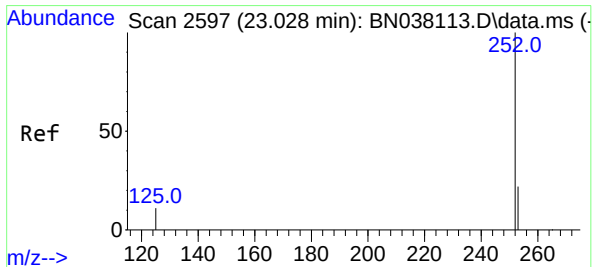
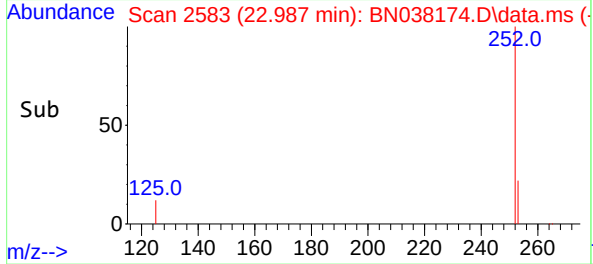
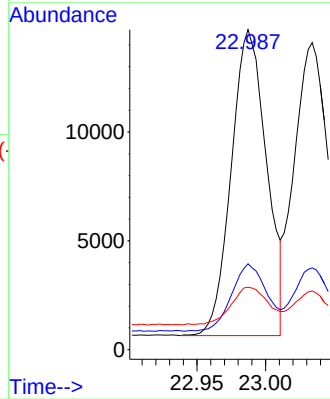
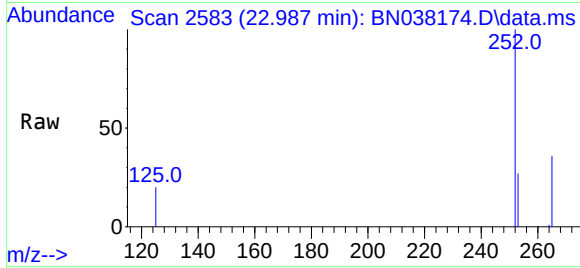
Tgt Ion:252 Resp: 25099

Ion Ratio Lower Upper

252 100

253 26.9 20.9 31.3

125 19.5 14.1 21.1



#38

Benzo(k)fluoranthene

Concen: 0.388 ng

RT: 23.034 min Scan# 2599

Delta R.T. 0.006 min

Lab File: BN038174.D

Acq: 10 Nov 2025 10:14

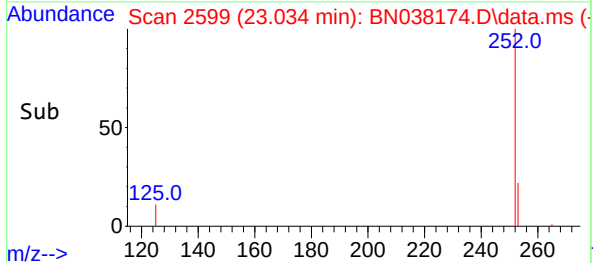
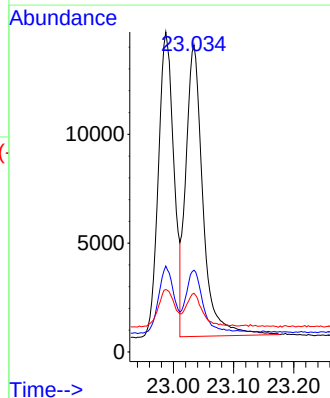
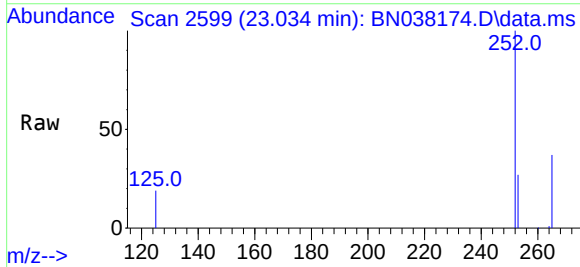
Tgt Ion:252 Resp: 26388

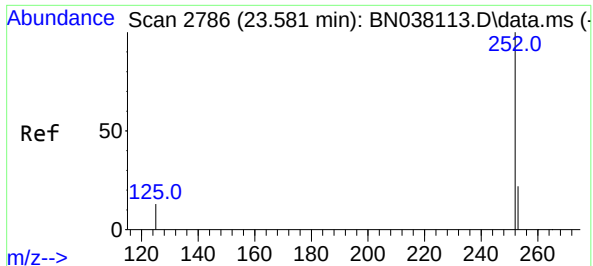
Ion Ratio Lower Upper

252 100

253 26.6 21.2 31.8

125 19.1 14.6 22.0





#39

Benzo(a)pyrene

Concen: 0.377 ng

RT: 23.587 min Scan# 21

Delta R.T. 0.009 min

Lab File: BN038174.D

Acq: 10 Nov 2025 10:14

Instrument :

BNA_N

ClientSampleId :

SSTDCCC0.4

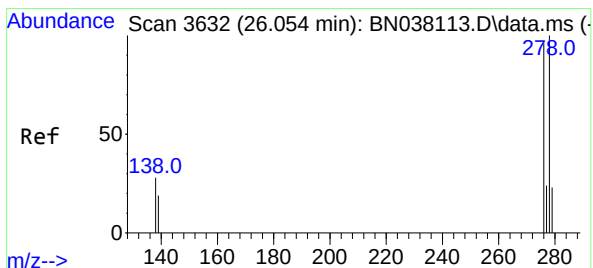
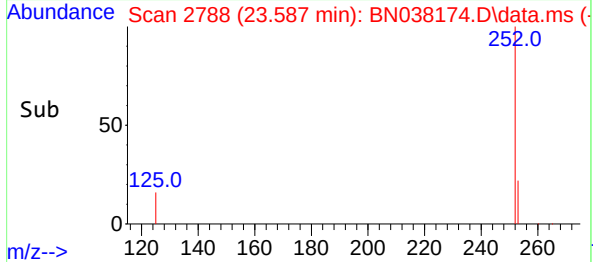
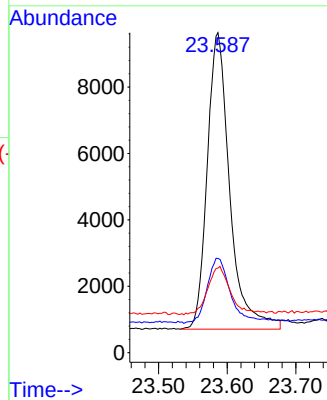
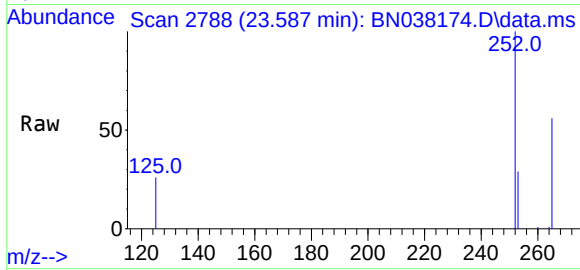
Tgt Ion:252 Resp: 20416

Ion Ratio Lower Upper

252 100

253 29.4 23.1 34.7

125 26.4 18.6 28.0



#40

Dibenzo(a,h)anthracene

Concen: 0.424 ng

RT: 26.060 min Scan# 3634

Delta R.T. 0.012 min

Lab File: BN038174.D

Acq: 10 Nov 2025 10:14

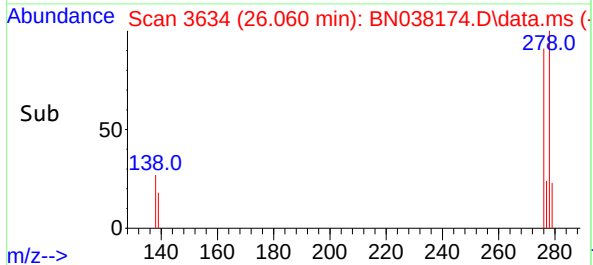
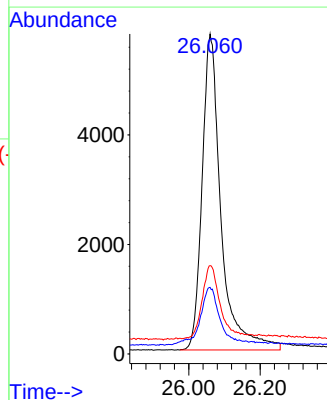
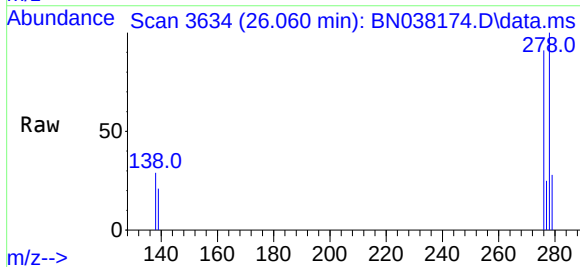
Tgt Ion:278 Resp: 21204

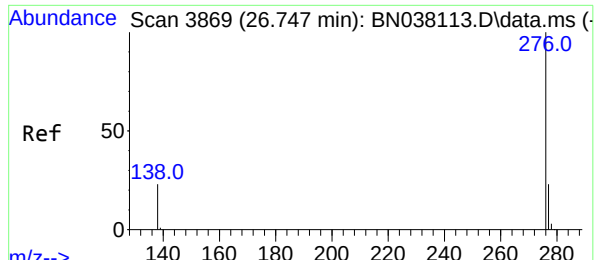
Ion Ratio Lower Upper

278 100

139 20.8 17.6 26.4

279 27.6 22.6 33.8





#41

Benzo(g,h,i)perylene

Concen: 0.423 ng

RT: 26.759 min Scan# 3873

Delta R.T. 0.009 min

Lab File: BN038174.D

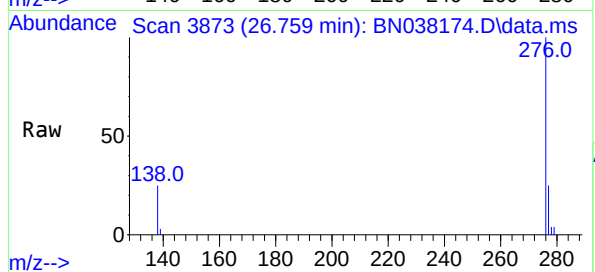
Acq: 10 Nov 2025 10:14

Instrument :

BNA_N

ClientSampleId :

SSTDCCC0.4



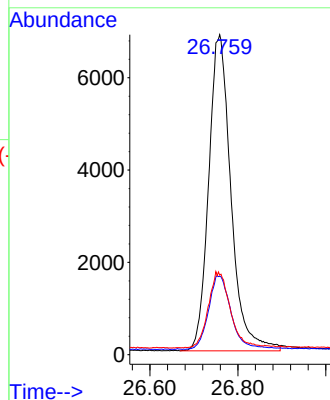
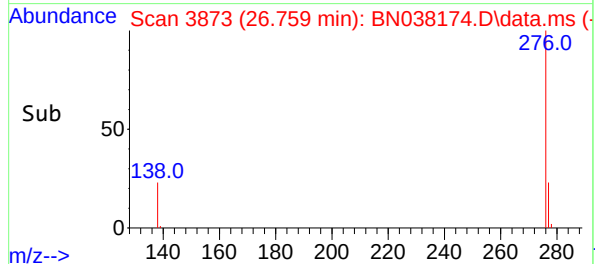
Tgt Ion:276 Resp: 24133

Ion Ratio Lower Upper

276 100

277 24.5 19.7 29.5

138 24.8 20.2 30.4



Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN111025\
 Data File : BN038174.D
 Acq On : 10 Nov 2025 10:14
 Operator : RC/JU
 Sample : SSTDCCC0.4
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_N
 LabSampleId :
 SSTDCCC0.4

Quant Time: Nov 10 10:38:07 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

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1 I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	95	0.00
2	1,4-Dioxane	0.413	0.404	2.2	91	0.00
3	n-Nitrosodimethylamine	0.532	0.518	2.6	92	0.00
4 S	2-Fluorophenol	0.942	0.971	-3.1	97	0.00
5 S	Phenol-d6	1.148	1.169	-1.8	98	0.00
6	bis(2-Chloroethyl)ether	1.128	1.117	1.0	95	0.00
7 I	Naphthalene-d8	1.000	1.000	0.0	101	0.01
8 S	Nitrobenzene-d5	0.323	0.319	1.2	102	0.00
9	Naphthalene	1.102	1.074	2.5	100	0.00
10	Hexachlorobutadiene	0.186	0.182	2.2	98	0.00
11 SURR	2-Methylnaphthalene-d10	0.571	0.561	1.8	102	0.00
12	2-Methylnaphthalene	0.735	0.715	2.7	101	0.00
13 I	Acenaphthene-d10	1.000	1.000	0.0	103	0.01
14 S	2,4,6-Tribromophenol	0.165	0.120	27.3#	83	0.00
15 S	2-Fluorobiphenyl	1.602	1.533	4.3	100	0.01
16	Acenaphthylene	1.811	1.696	6.4	102	0.00
17	Acenaphthene	1.267	1.180	6.9	100	0.00
18	Fluorene	1.661	1.537	7.5	99	0.00
19 I	Phenanthrene-d10	1.000	1.000	0.0	98	0.00
20	4,6-Dinitro-2-methylphenol	0.055	0.022	60.0#	49#	0.01
21	4-Bromophenyl-phenylether	0.262	0.256	2.3	101	0.00
22	Hexachlorobenzene	0.298	0.300	-0.7	99	0.00
23	Atrazine	0.192	0.163	15.1	92	0.00
24	Pentachlorophenol	0.128	0.066	48.4#	60	0.01
25	Phenanthrene	1.270	1.213	4.5	98	0.01
26	Anthracene	1.111	1.021	8.1	96	0.00
27 SURR	Fluoranthene-d10	1.009	0.917	9.1	94	0.00
28	Fluoranthene	1.419	1.266	10.8	93	0.00
29 I	Chrysene-d12	1.000	1.000	0.0	87	0.00
30	Pyrene	1.806	1.931	-6.9	91	0.00
31 S	Terphenyl-d14	0.869	0.958	-10.2	96	0.00
32	Benzo(a)anthracene	1.427	1.304	8.6	83	0.00
33	Chrysene	1.549	1.542	0.5	87	0.00
34	Bis(2-ethylhexyl)phthalate	0.752	0.777	-3.3	94	0.00
35 I	Perylene-d12	1.000	1.000	0.0	88	0.00
36	Indeno(1,2,3-cd)pyrene	1.643	1.686	-2.6	93	0.00
37	Benzo(b)fluoranthene	1.710	1.587	7.2	86	0.00
38	Benzo(k)fluoranthene	1.721	1.668	3.1	91	0.00
39 C	Benzo(a)pyrene	1.369	1.291	5.7	86	0.00
40	Dibenzo(a,h)anthracene	1.265	1.340	-5.9	99	0.01
41	Benzo(g,h,i)perylene	1.444	1.526	-5.7	94	0.00

(#) = Out of Range

SPCC's out = 0 CCC's out = 0

Instrument :

BNA_N

LabSampleId :

SSTDCCC0.4

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN111025\
 Data File : BN038174.D
 Acq On : 10 Nov 2025 10:14
 Operator : RC/JU
 Sample : SSTDCCC0.4
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_N
 LabSampleId :
 SSTDCCC0.4

Quant Time: Nov 10 10:38:07 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

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1 I	1,4-Dichlorobenzene-d4	0.400	0.400	0.0	95	0.00
2	1,4-Dioxane	0.400	0.391	2.3	91	0.00
3	n-Nitrosodimethylamine	0.400	0.390	2.5	92	0.00
4 S	2-Fluorophenol	0.400	0.412	-3.0	97	0.00
5 S	Phenol-d6	0.400	0.407	-1.7	98	0.00
6	bis(2-Chloroethyl)ether	0.400	0.396	1.0	95	0.00
7 I	Naphthalene-d8	0.400	0.400	0.0	101	0.01
8 S	Nitrobenzene-d5	0.400	0.395	1.3	102	0.00
9	Naphthalene	0.400	0.390	2.5	100	0.00
10	Hexachlorobutadiene	0.400	0.392	2.0	98	0.00
11 SURR	2-Methylnaphthalene-d10	0.400	0.393	1.8	102	0.00
12	2-Methylnaphthalene	0.400	0.389	2.8	101	0.00
13 I	Acenaphthene-d10	0.400	0.400	0.0	103	0.01
14 S	2,4,6-Tribromophenol	0.400	0.291	27.3#	83	0.00
15 S	2-Fluorobiphenyl	0.400	0.383	4.3	100	0.01
16	Acenaphthylene	0.400	0.374	6.5	102	0.00
17	Acenaphthene	0.400	0.373	6.8	100	0.00
18	Fluorene	0.400	0.370	7.5	99	0.00
19 I	Phenanthrene-d10	0.400	0.400	0.0	98	0.00
20	4,6-Dinitro-2-methylphenol	0.400	0.300	25.0#	49	0.01
21	4-Bromophenyl-phenylether	0.400	0.391	2.3	101	0.00
22	Hexachlorobenzene	0.400	0.403	-0.8	99	0.00
23	Atrazine	0.400	0.340	15.0	92	0.00
24	Pentachlorophenol	0.400	0.206	48.5#	60	0.01
25	Phenanthrene	0.400	0.382	4.5	98	0.01
26	Anthracene	0.400	0.368	8.0	96	0.00
27 SURR	Fluoranthene-d10	0.400	0.364	9.0	94	0.00
28	Fluoranthene	0.400	0.357	10.8	93	0.00
29 I	Chrysene-d12	0.400	0.400	0.0	87	0.00
30	Pyrene	0.400	0.428	-7.0	91	0.00
31 S	Terphenyl-d14	0.400	0.441	-10.2	96	0.00
32	Benzo(a)anthracene	0.400	0.365	8.8	83	0.00
33	Chrysene	0.400	0.398	0.5	87	0.00
34	Bis(2-ethylhexyl)phthalate	0.400	0.413	-3.2	94	0.00
35 I	Perylene-d12	0.400	0.400	0.0	88	0.00
36	Indeno(1,2,3-cd)pyrene	0.400	0.410	-2.5	93	0.00
37	Benzo(b)fluoranthene	0.400	0.371	7.3	86	0.00
38	Benzo(k)fluoranthene	0.400	0.388	3.0	91	0.00
39 C	Benzo(a)pyrene	0.400	0.377	5.8	86	0.00
40	Dibenzo(a,h)anthracene	0.400	0.424	-6.0	99	0.01
41	Benzo(g,h,i)perylene	0.400	0.423	-5.7	94	0.00

(#) = Out of Range

SPCC's out = 0 CCC's out = 0

Instrument :

BNA_N

LabSampleId :

SSTDCCC0.4



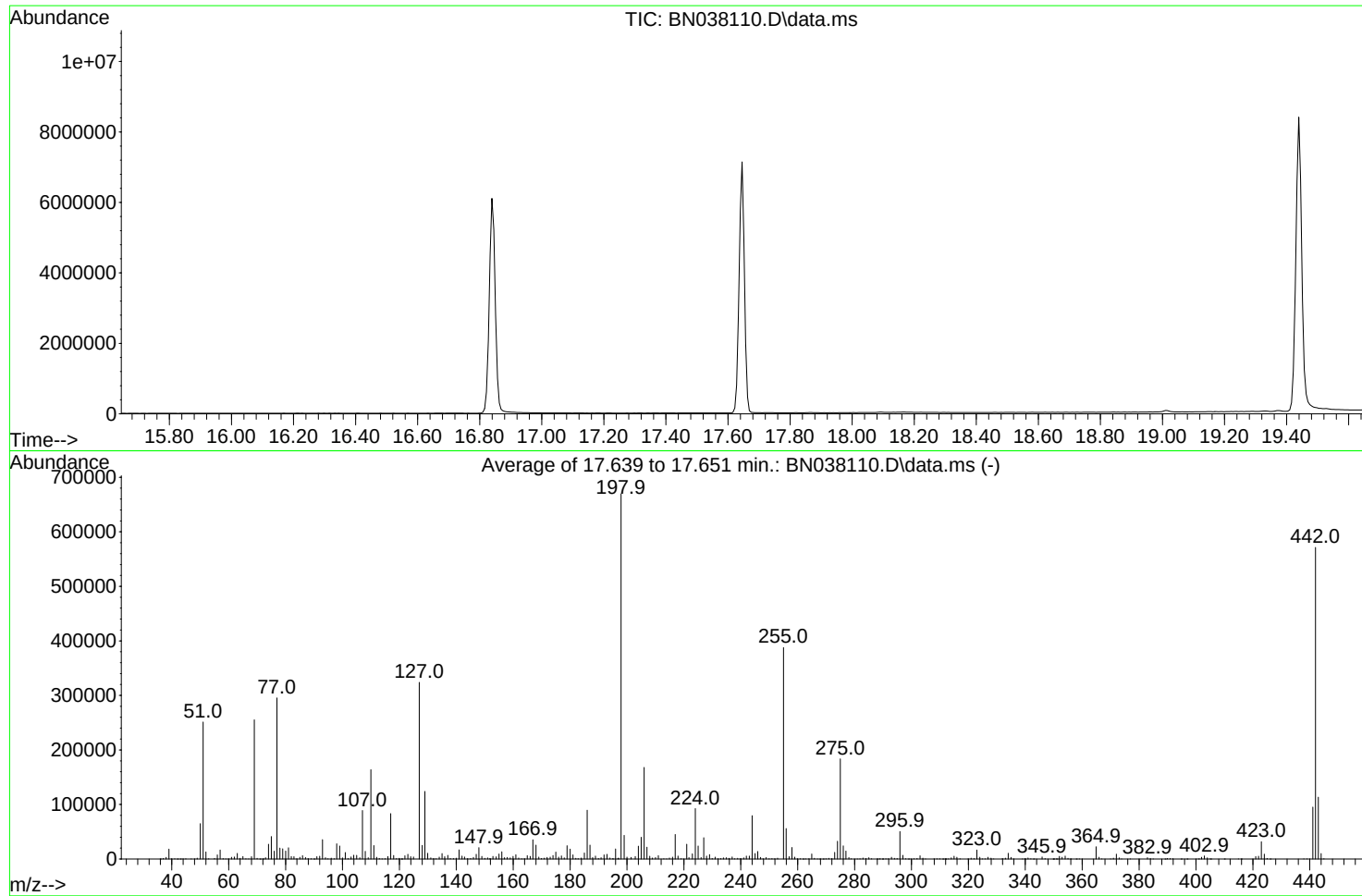
QC SAMPLE DATA

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN102825\
Data File : BN038110.D
Acq On : 28 Oct 2025 12:05
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
DFTPP

Integration File: rteint.p

Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN102825.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Wed Oct 29 13:09:46 2025



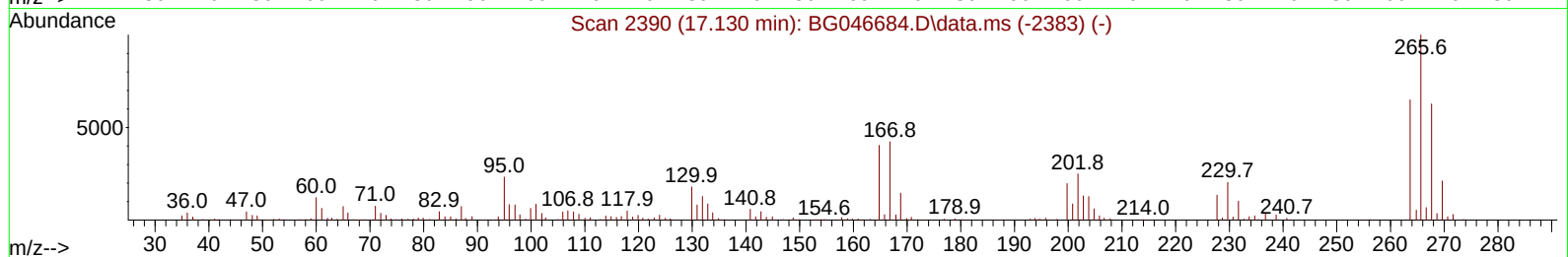
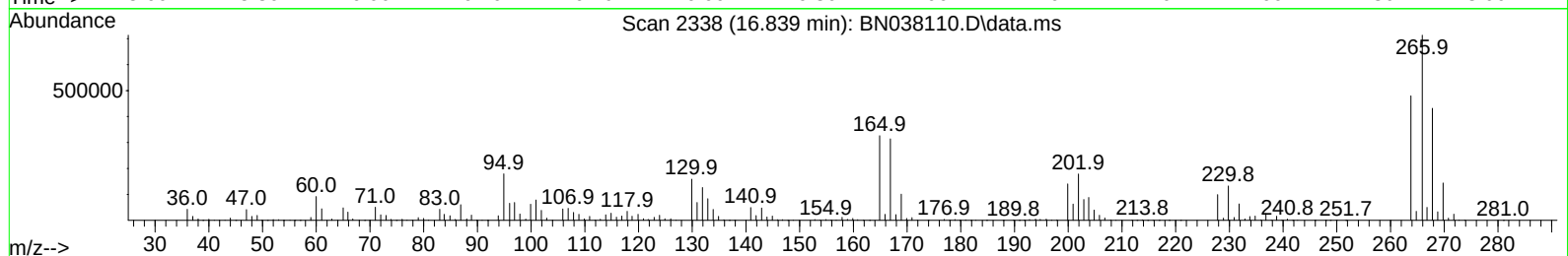
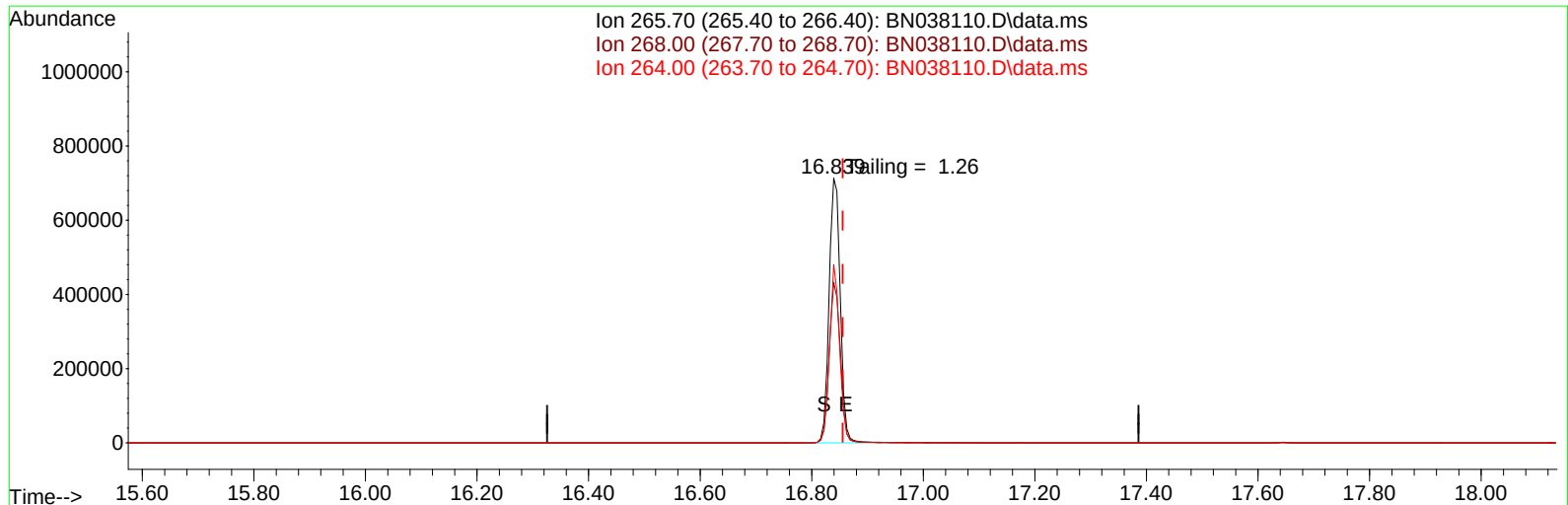
AutoFind: Scans 2474, 2475, 2476; Background Corrected with Scan 2467

Target	Rel. to	Lower	Upper	Rel.	Raw	Result
Mass	Mass	Limit%	Limit%	Abn%	Abn	Pass/Fail
68	69	0.00	2	1.8	4477	PASS
69	69	100	100	100.0	255398	PASS
70	69	0.00	2	0.5	1371	PASS
197	198	0.00	2	0.2	1550	PASS
198	198	100	100	100.0	669440	PASS
199	198	5	9	6.5	43461	PASS
365	198	1	100	3.4	22528	PASS
441	443	0.01	150	83.9	95293	PASS
442	442	100	100	100.0	571285	PASS
443	442	15	24	19.9	113539	PASS

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN102825\
Data File : BN038110.D
Acq On : 28 Oct 2025 12:05
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
DFTPP

Quant Time: Oct 28 18:06:35 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270E-Tune.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Oct 28 12:54:48 2025
Response via : Initial Calibration



TIC: BN038110.D\data.ms

(70) Pentachlorophenol (C)

16.839min (-0.017) 31764.46 ng

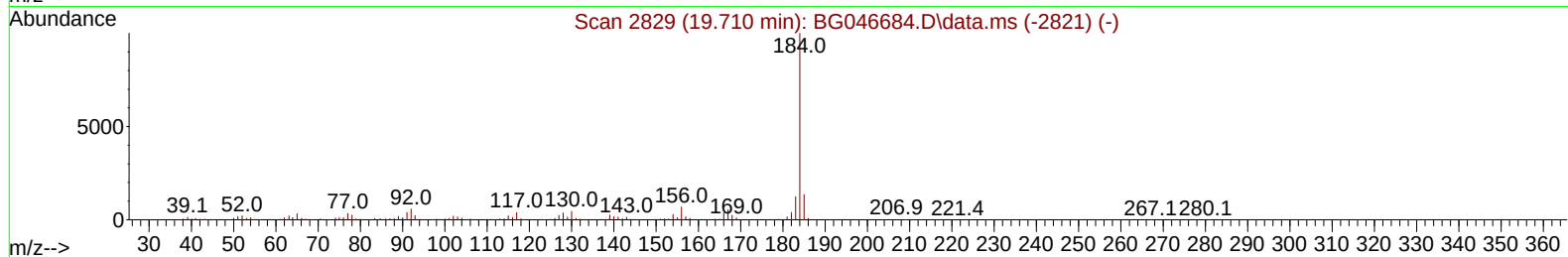
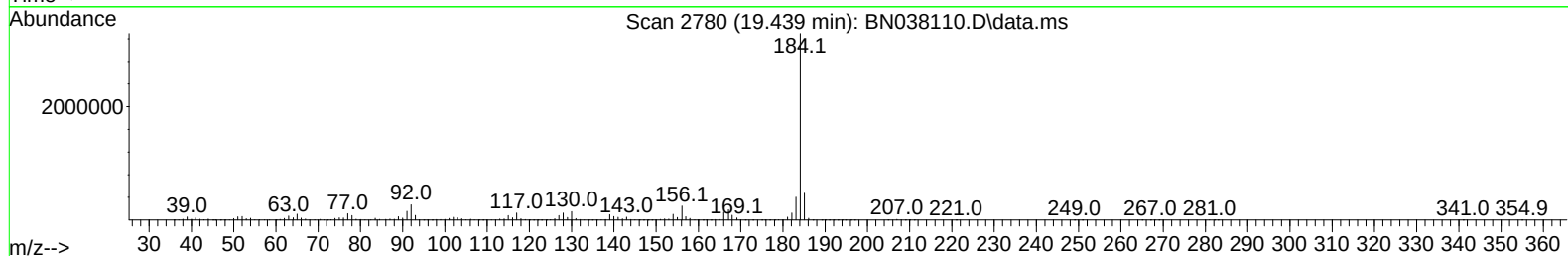
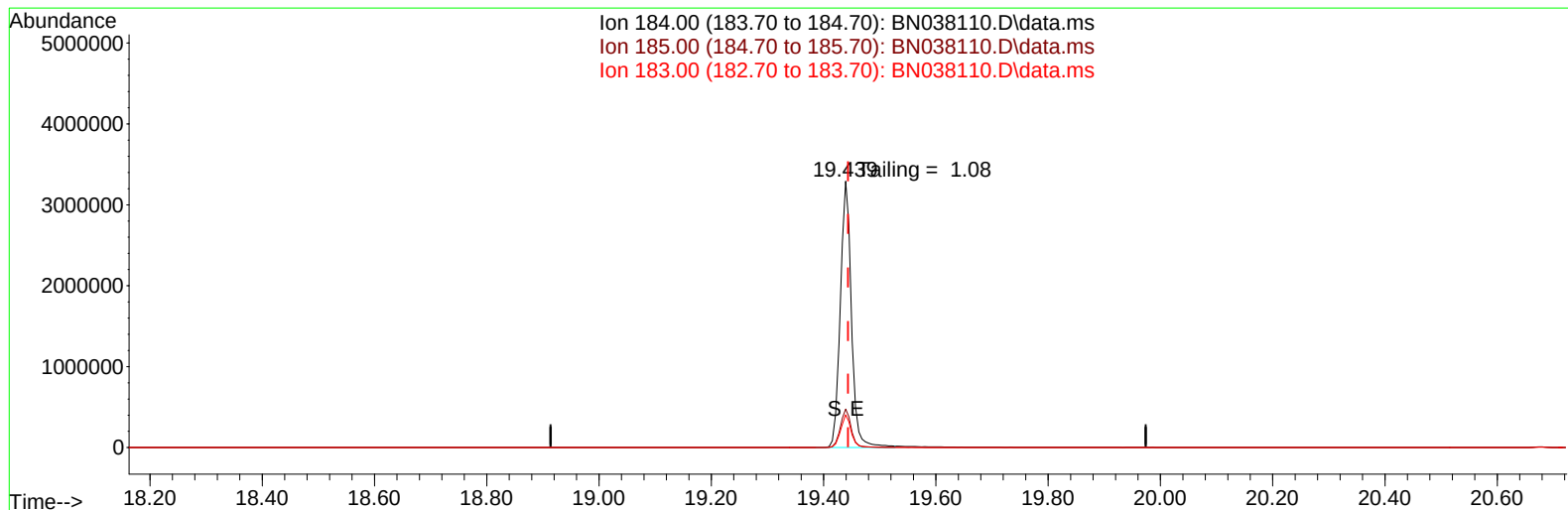
response 993628

Ion	Exp%	Act%
265.70	100.00	100.00
268.00	62.20	60.51
264.00	61.60	67.24
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN102825\
Data File : BN038110.D
Acq On : 28 Oct 2025 12:05
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
DFTPP

Quant Time: Oct 28 18:06:35 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270E-Tune.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Oct 28 12:54:48 2025
Response via : Initial Calibration



TIC: BN038110.D\data.ms

(77) Benzidine

19.439min (-0.005) 0.00 ng

response 4602519

Ion	Exp%	Act%
184.00	100.00	100.00
185.00	15.50	14.42
183.00	13.20	12.28
0.00	0.00	0.00

DDT Breakdown

Date	Instrument Name	DFTPP Data File
10/28/2025	BNA_N	<u>BN038110.D</u>
Compound Name	Response	Retention Time
DDT	2477320	20.674
DDD	29265	20.233
DDE	1740	19.733
SUM(DDD+DDE)	SUM(DDT+DDD+DDE)	% Breakdown Of DDT
31005	2508325	1.24

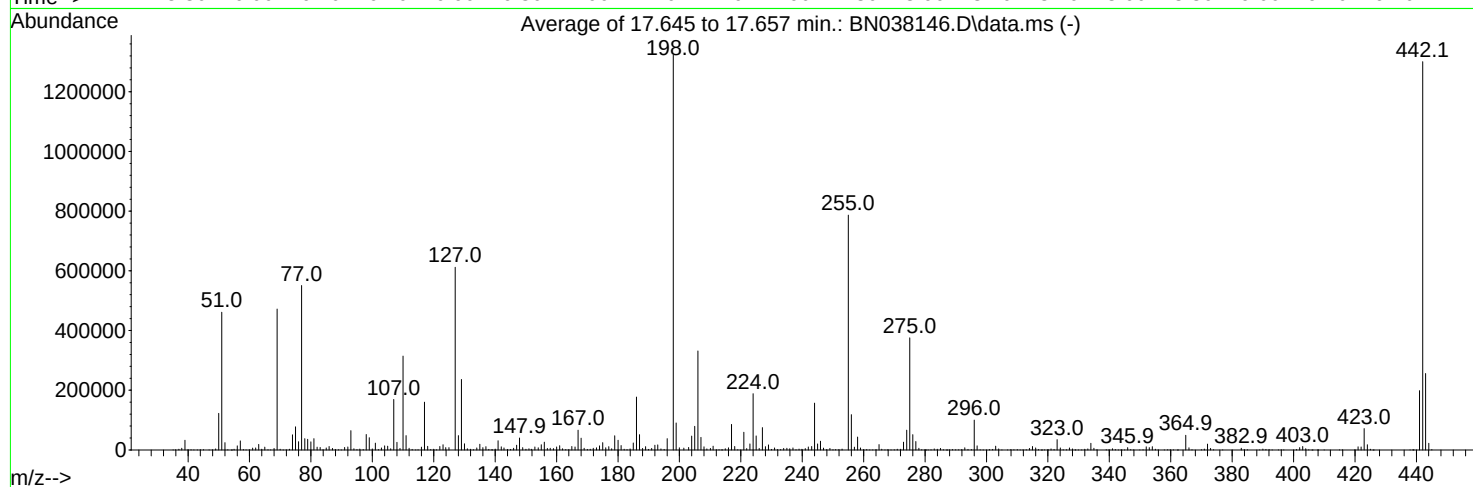
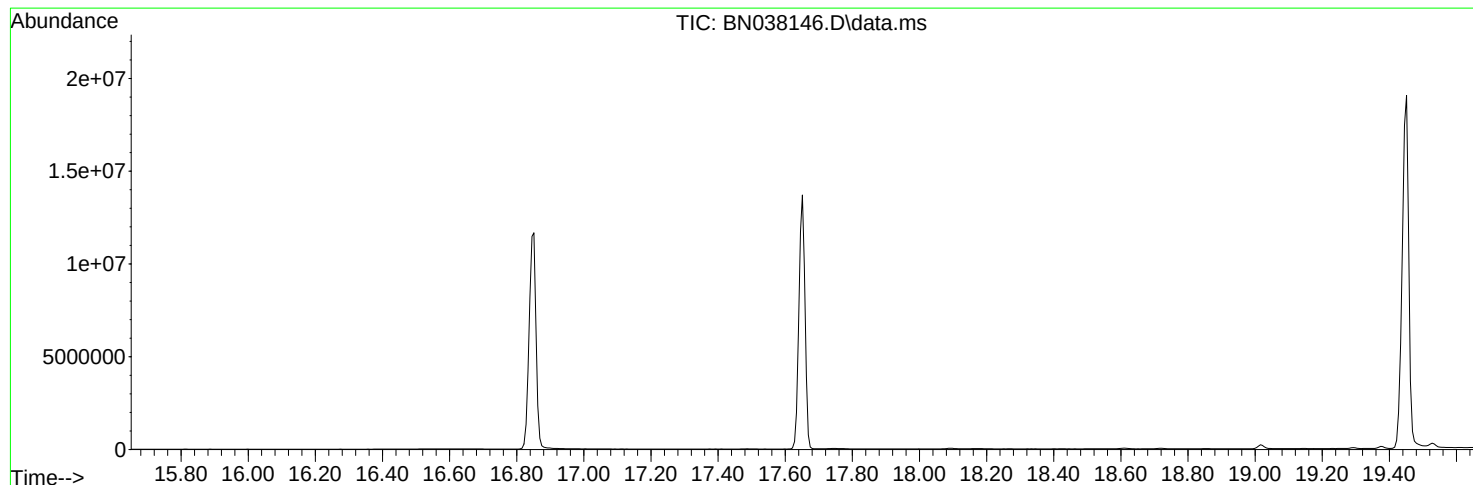
Instrument :
BNA_N
ClientSampleId :
DFTPP

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN110725\
Data File : BN038146.D
Acq On : 07 Nov 2025 09:00
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
DFTPP

Integration File: rteint.p

Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN102825.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Wed Oct 29 13:09:46 2025



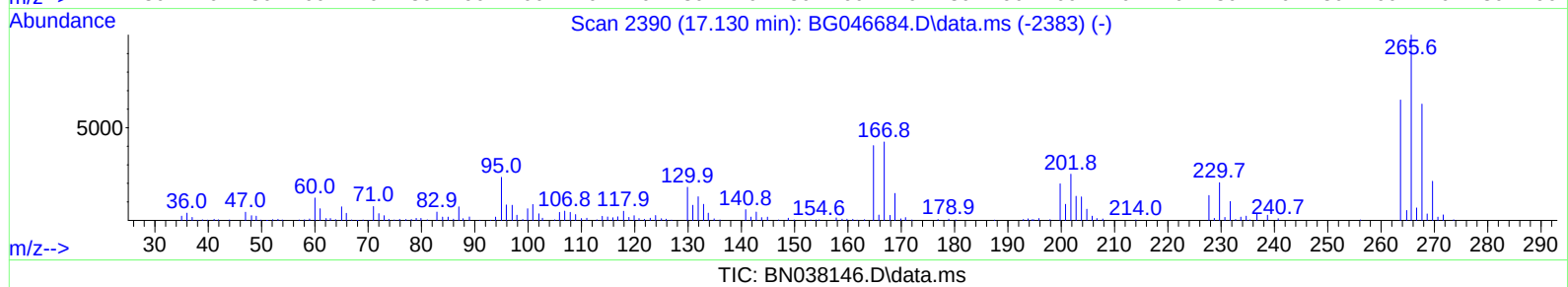
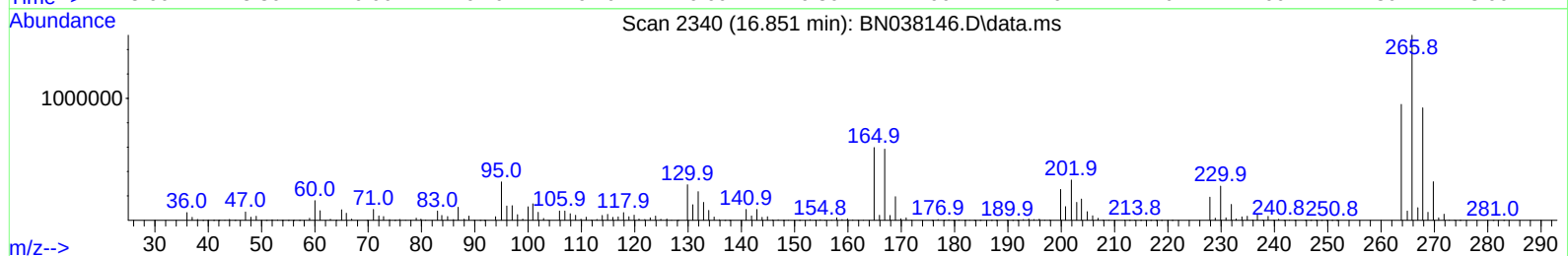
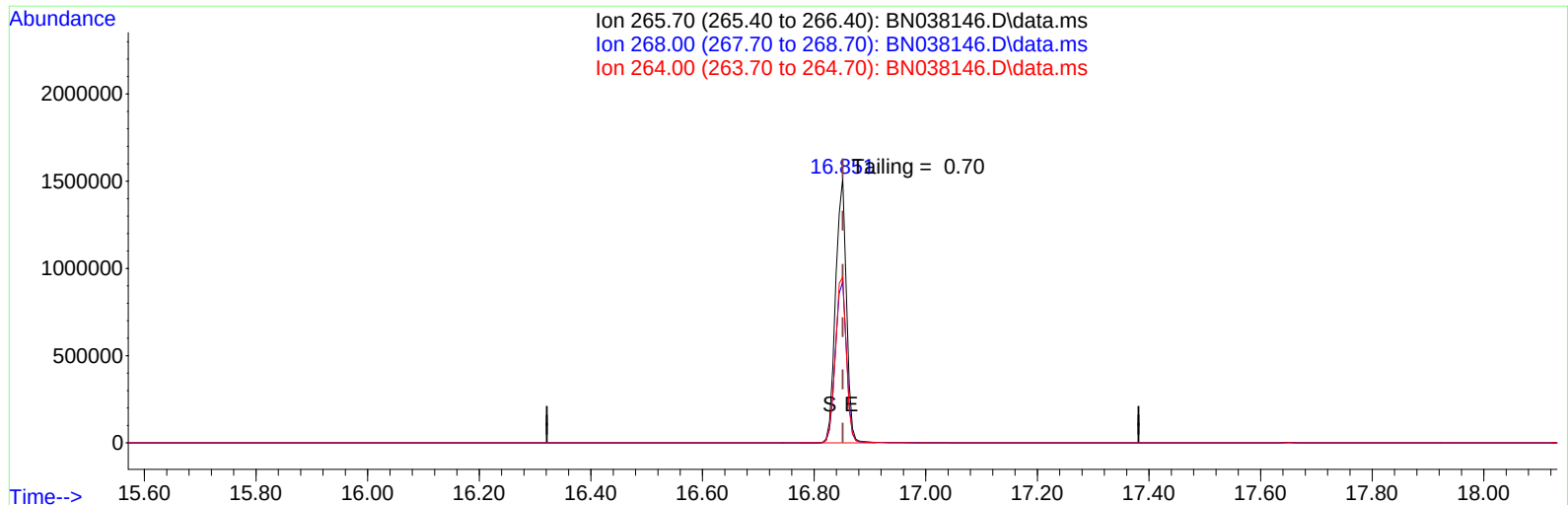
AutoFind: Scans 2475, 2476, 2477; Background Corrected with Scan 2467

Target	Rel. to	Lower	Upper	Rel.	Raw	Result
Mass	Mass	Limit%	Limit%	Abn%	Abn	Pass/Fail
68	69	0.00	2	1.1	5202	PASS
69	69	100	100	100.0	472117	PASS
70	69	0.00	2	0.5	2484	PASS
197	198	0.00	2	0.0	0	PASS
198	198	100	100	100.0	1322837	PASS
199	198	5	9	6.8	90568	PASS
365	198	1	100	3.7	49155	PASS
441	443	0.01	150	77.5	198677	PASS
442	442	100	100	100.0	1300779	PASS
443	442	15	24	19.7	256235	PASS

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN110725\
Data File : BN038146.D
Acq On : 07 Nov 2025 09:00
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
DFTPP

Quant Time: Nov 07 09:43:20 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270E-Tune.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Nov 07 09:43:12 2025
Response via : Initial Calibration



(70) Pentachlorophenol (C)

16.851min (0.000) 278.07 ng

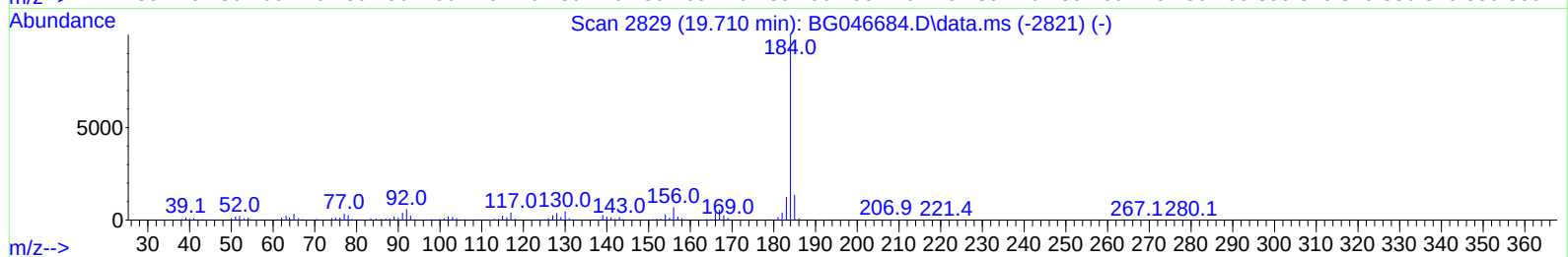
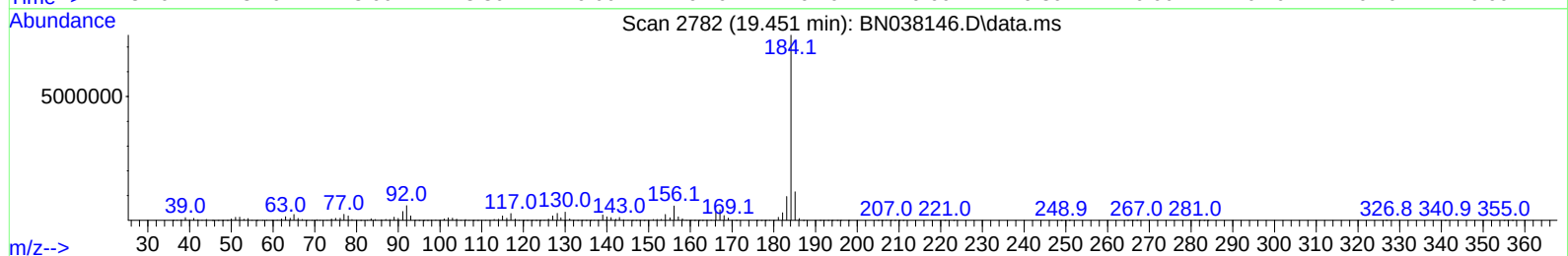
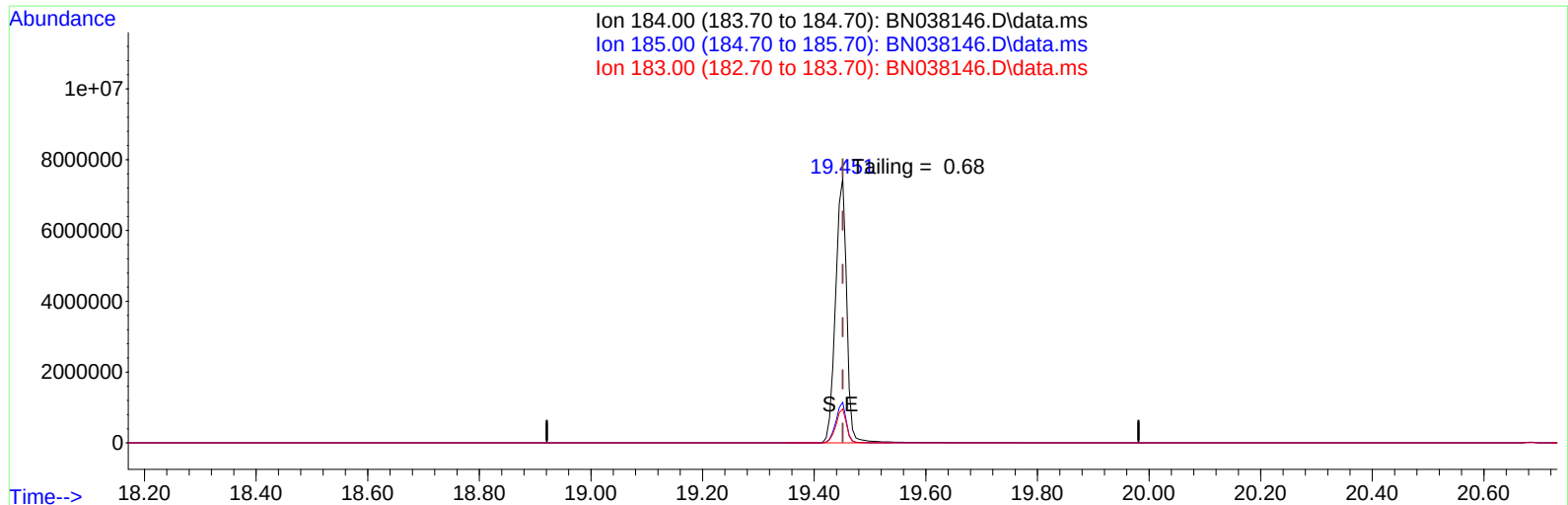
response 2058575

Ion	Exp%	Act%
265.70	100.00	100.00
268.00	62.20	60.80
264.00	61.60	62.64
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN110725\
Data File : BN038146.D
Acq On : 07 Nov 2025 09:00
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
DFTPP

Quant Time: Nov 07 09:43:20 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270E-Tune.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Nov 07 09:43:12 2025
Response via : Initial Calibration



TIC: BN038146.D\data.ms

(77) Benzidine

19.451min (0.000) 0.00 ng

response 10437790

Ion	Exp%	Act%
184.00	100.00	100.00
185.00	15.50	15.39
183.00	13.20	12.84
0.00	0.00	0.00

DDT Breakdown

Date	Instrument Name	DFTPP Data File
11/7/2025	BNA_N	<u>BN038146.D</u>
Compound Name	Response	Retention Time
DDT	5230342	20.686
DDD	41900	20.239
DDE	3070	19.727
SUM(DDD+DDE)	SUM(DDT+DDD+DDE)	% Breakdown Of DDT
44970	5275312	0.85

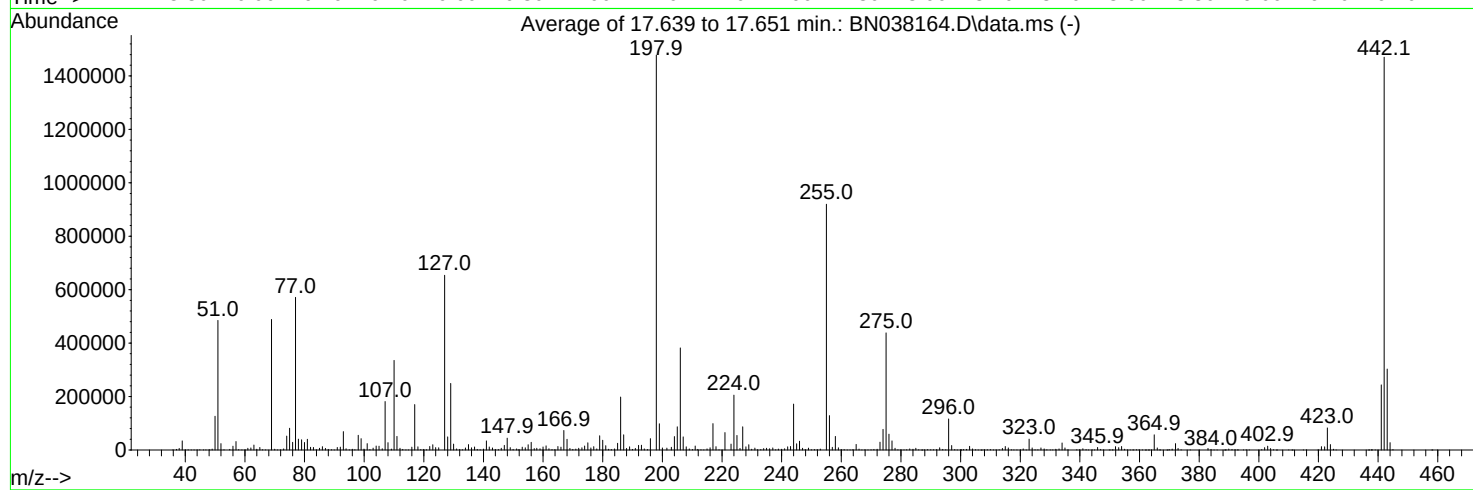
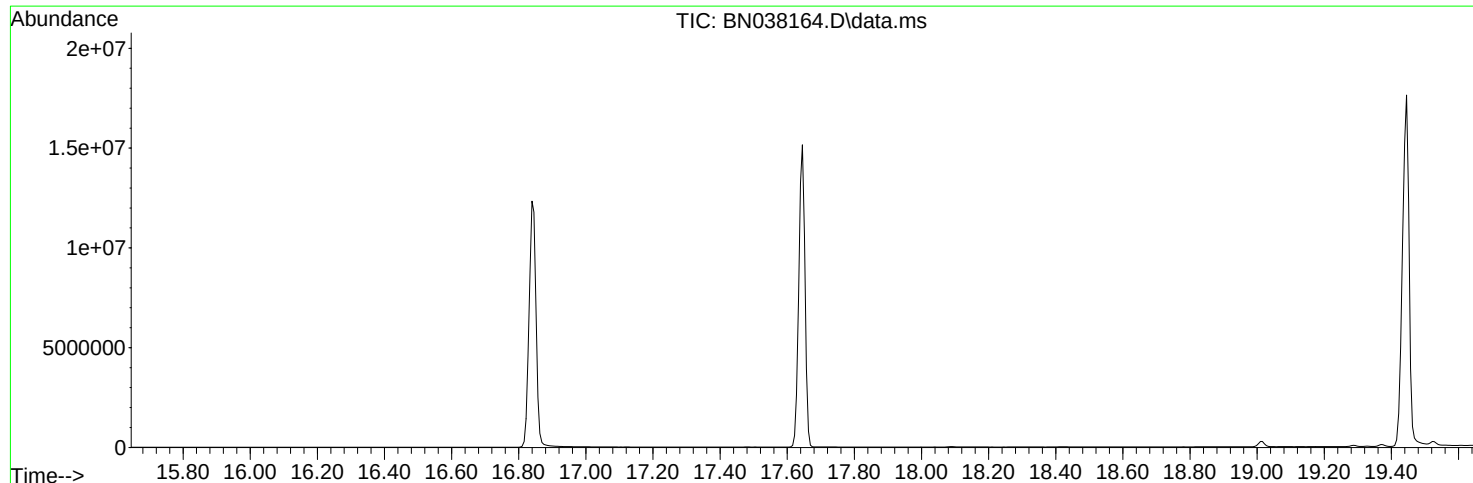
Instrument :
BNA_N
ClientSampleId :
DFTPP

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN110725\
Data File : BN038164.D
Acq On : 07 Nov 2025 21:38
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
DFTPP

Integration File: rteint.p

Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN102825.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Wed Oct 29 13:09:46 2025



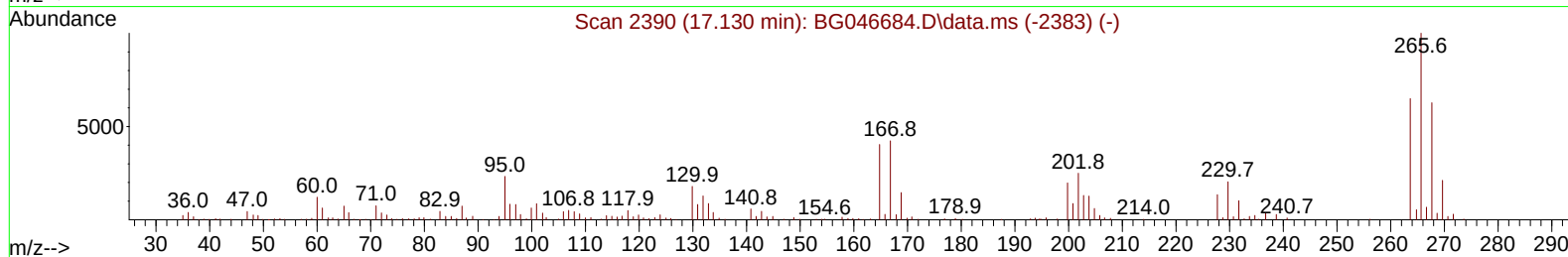
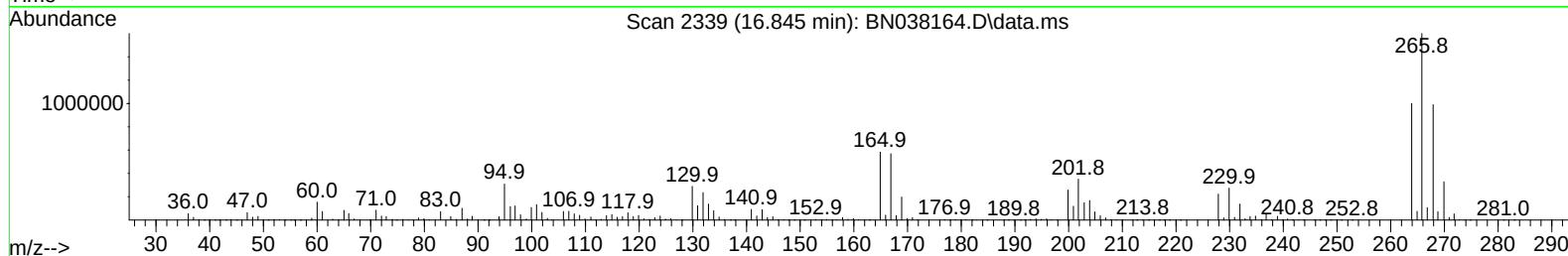
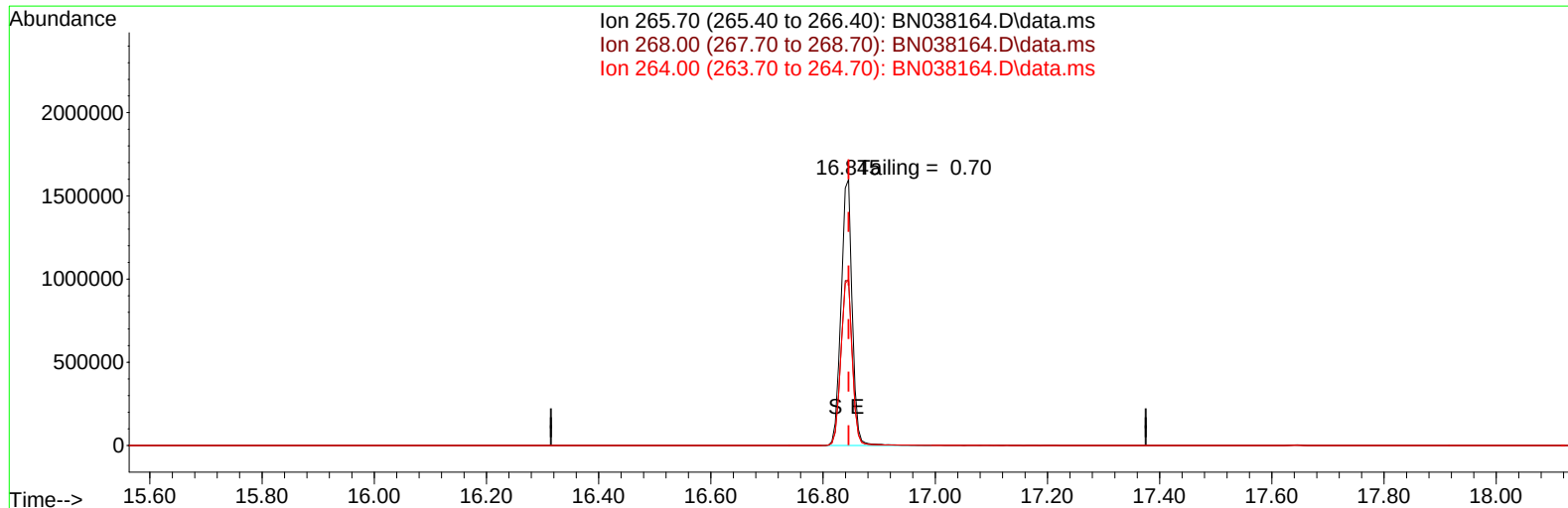
AutoFind: Scans 2474, 2475, 2476; Background Corrected with Scan 2466

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
68	69	0.00	2	0.0	0	PASS
69	69	100	100	100.0	488379	PASS
70	69	0.00	2	0.5	2561	PASS
197	198	0.00	2	0.0	0	PASS
198	198	100	100	100.0	1477973	PASS
199	198	5	9	6.6	97949	PASS
365	198	1	100	3.8	56592	PASS
441	443	0.01	150	80.4	243627	PASS
442	442	100	100	100.0	1469952	PASS
443	442	15	24	20.6	303061	PASS

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN110725\
Data File : BN038164.D
Acq On : 07 Nov 2025 21:38
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
DFTPP

Quant Time: Nov 08 04:08:56 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270E-Tune.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sat Nov 08 04:08:47 2025
Response via : Initial Calibration



TIC: BN038164.D\data.ms

(70) Pentachlorophenol (C)

16.845min (0.000) 236023.12 ng

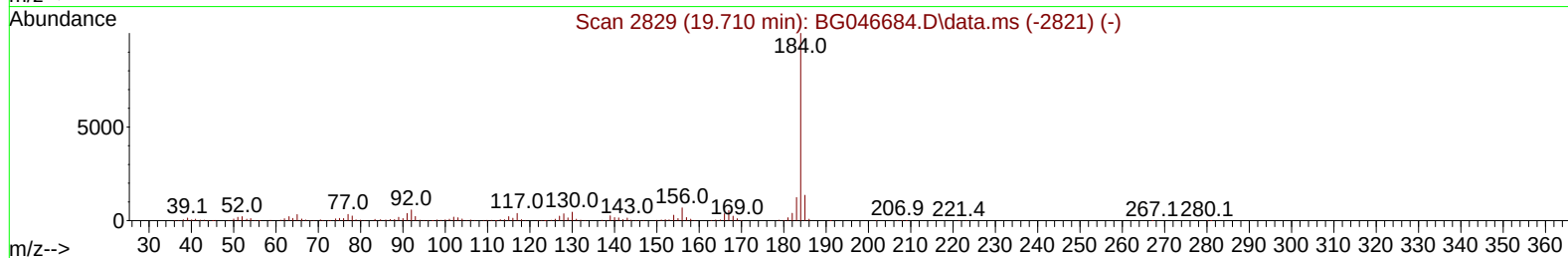
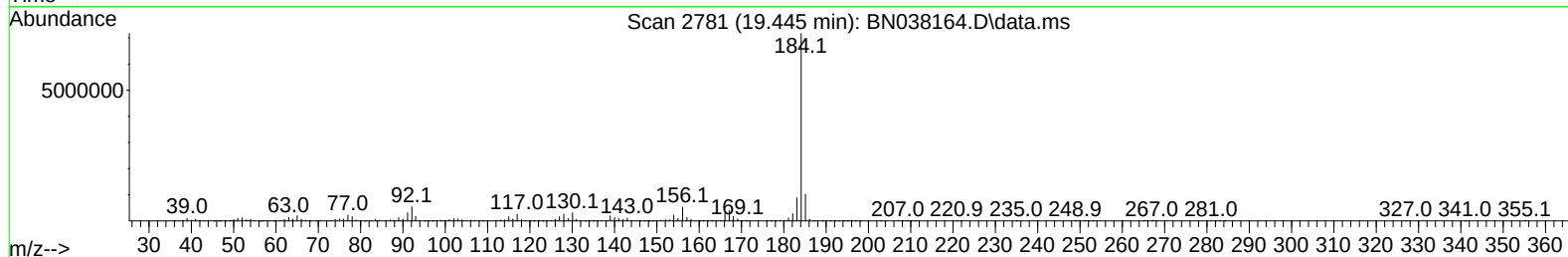
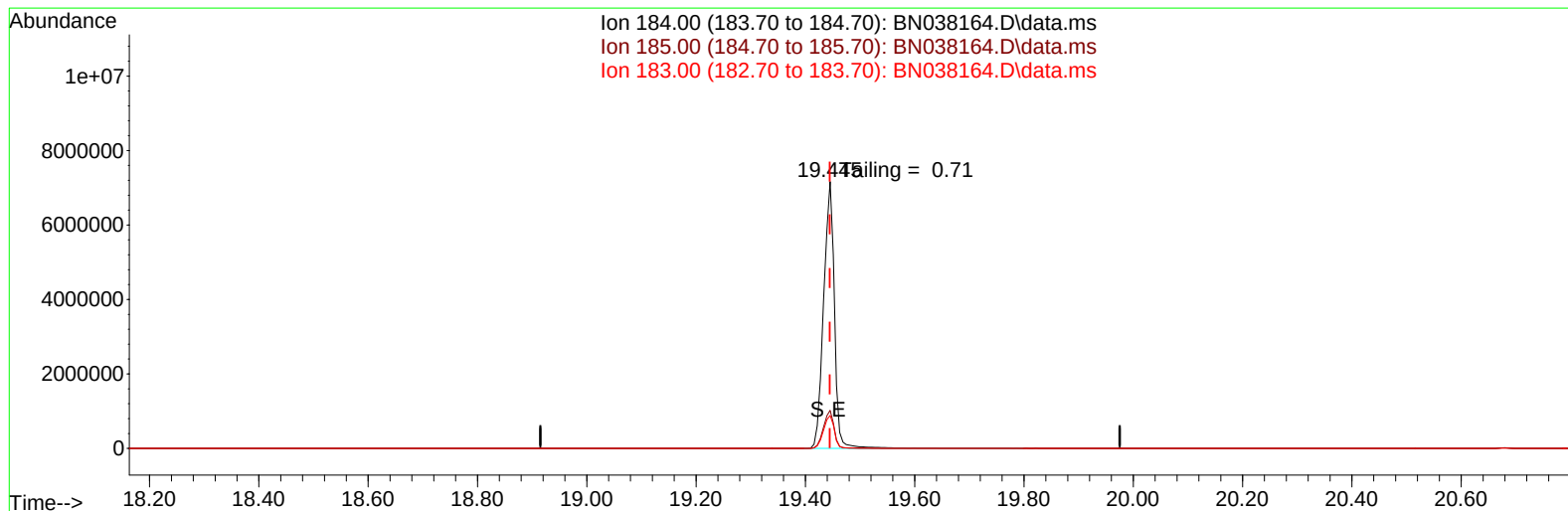
response 2207882

Ion	Exp%	Act%
265.70	100.00	100.00
268.00	62.20	61.90
264.00	61.60	62.45
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN110725\
Data File : BN038164.D
Acq On : 07 Nov 2025 21:38
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
DFTPP

Quant Time: Nov 08 04:08:56 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270E-Tune.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sat Nov 08 04:08:47 2025
Response via : Initial Calibration



TIC: BN038164.D\data.ms

(77) Benzidine

19.445min (0.000) 4251.91 ng m

response 9910482

Ion	Exp%	Act%
184.00	100.00	100.00
185.00	15.50	14.24
183.00	13.20	12.38
0.00	0.00	0.00

DDT Breakdown

Date	Instrument Name	DFTPP Data File
11/7/2025	BNA_N	<u>BN038164.D</u>
Compound Name	Response	Retention Time
DDT	4972953	20.68
DDD	128730	20.233
DDE	11311	19.727
SUM(DDD+DDE)	SUM(DDT+DDD+DDE)	% Breakdown Of DDT
140041	5112994	2.74

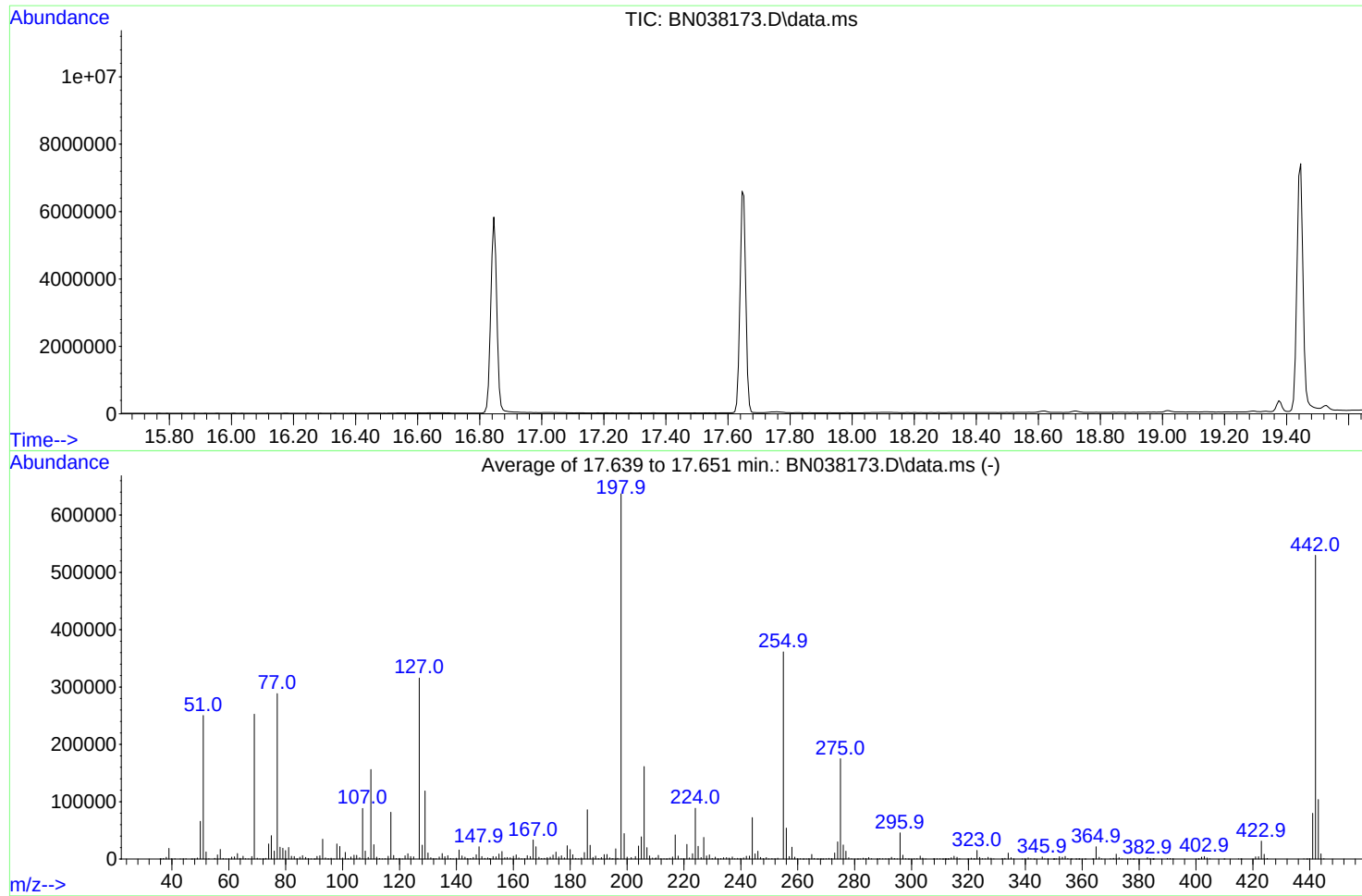
Instrument :
BNA_N
ClientSampleId :
DFTPP

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN111025\
Data File : BN038173.D
Acq On : 10 Nov 2025 09:30
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
DFTPP

Integration File: rteint.p

Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN102825.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Wed Oct 29 13:09:46 2025



AutoFind: Scans 2474, 2475, 2476; Background Corrected with Scan 2467

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
68	69	0.00	2	1.7	4319	PASS
69	69	100	100	100.0	252715	PASS
70	69	0.00	2	0.6	1513	PASS
197	198	0.00	2	0.2	1239	PASS
198	198	100	100	100.0	636949	PASS
199	198	5	9	7.0	44288	PASS
365	198	1	100	3.4	21461	PASS
441	443	0.01	150	76.8	79795	PASS
442	442	100	100	100.0	529877	PASS
443	442	15	24	19.6	103875	PASS

DDT Breakdown

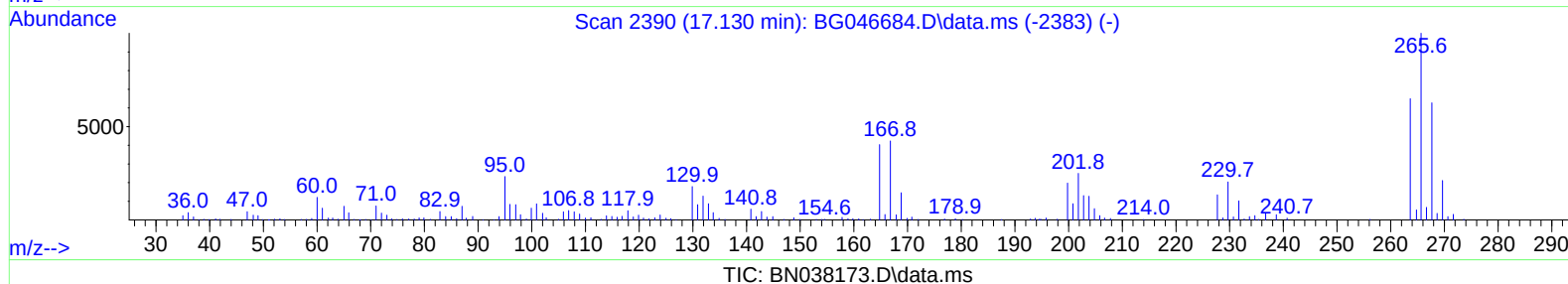
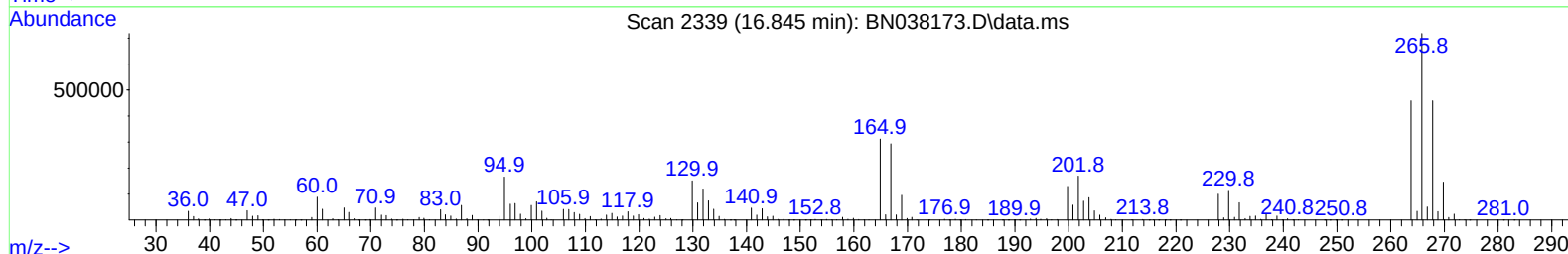
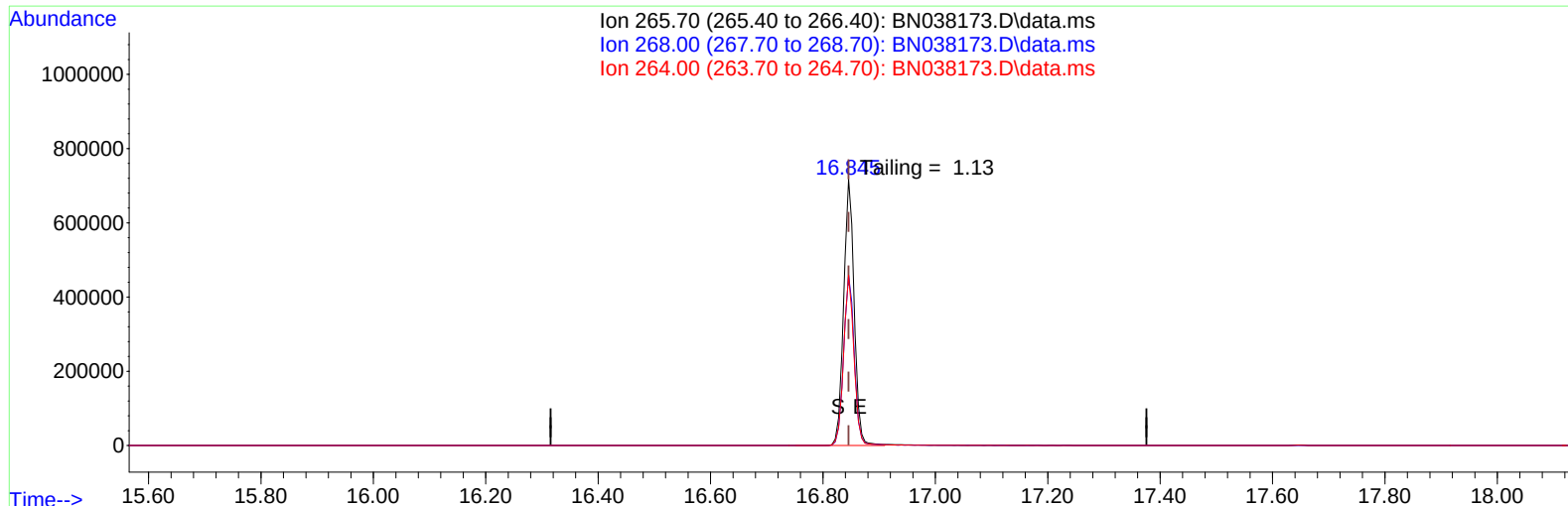
Date	Instrument Name	DFTPP Data File
11/10/2025	BNA_N	<u>BN038173.D</u>
Compound Name	Response	Retention Time
DDT	2452624	20.68
DDD	63755	20.239
DDE	8751	19.733
SUM(DDD+DDE)	SUM(DDT+DDD+DDE)	% Breakdown Of DDT
72506	2525130	2.87

Instrument :
BNA_N
ClientSampleId :
DFTPP

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN111025\
Data File : BN038173.D
Acq On : 10 Nov 2025 09:30
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
DFTPP

Quant Time: Nov 10 10:10:53 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270E-Tune.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Nov 10 10:10:34 2025
Response via : Initial Calibration



TIC: BN038173.D\data.ms

(70) Pentachlorophenol (C)

16.845min (0.000) 277.71 ng

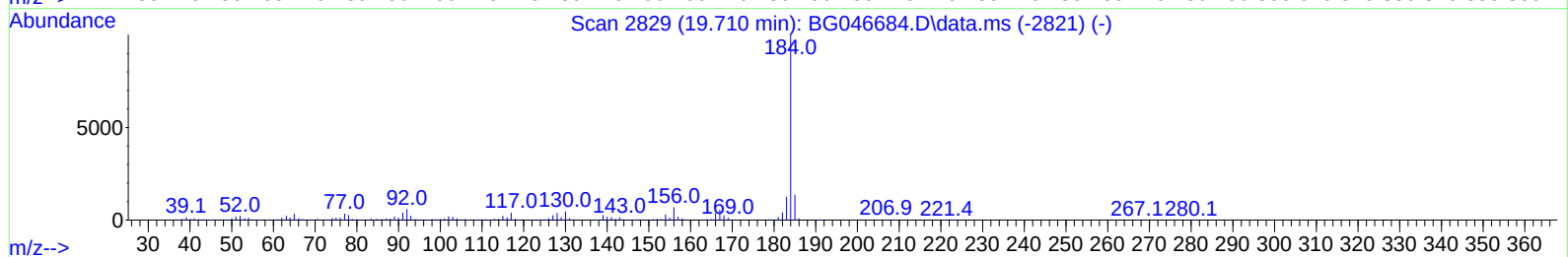
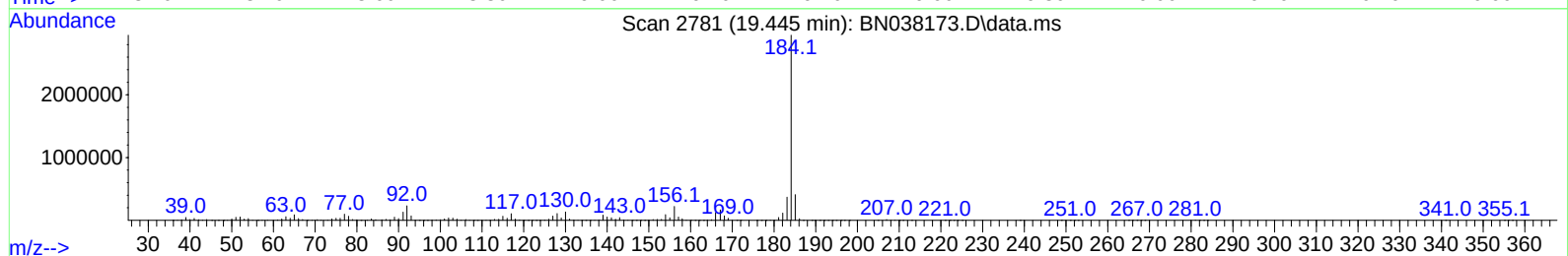
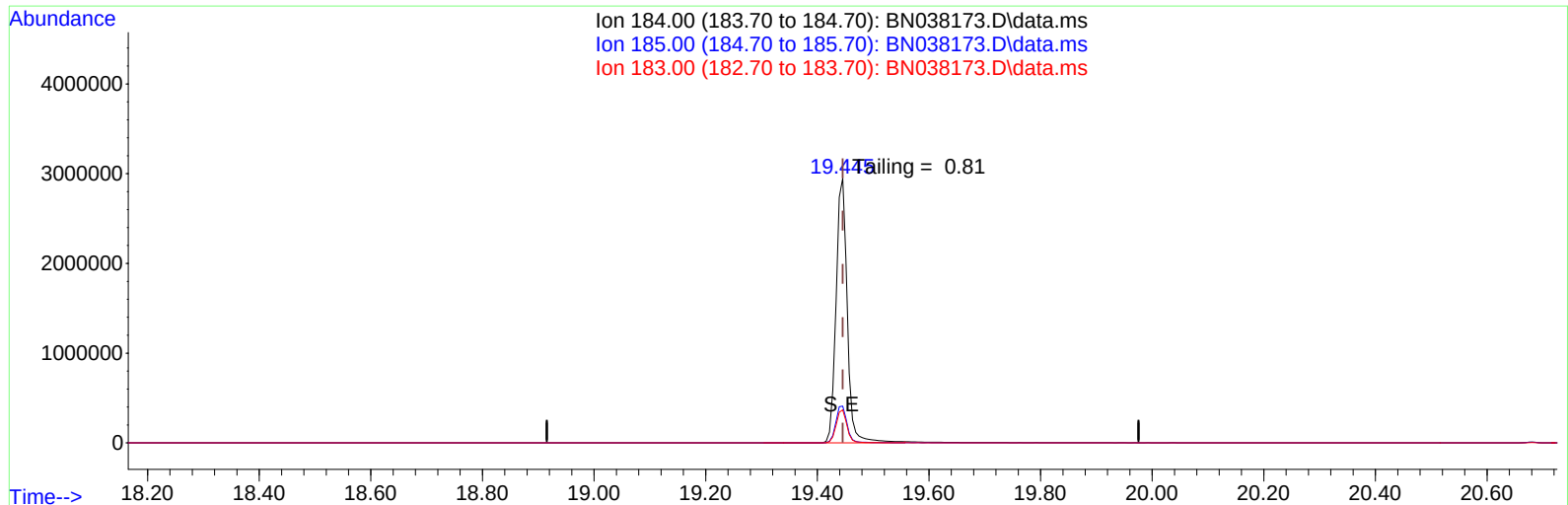
response 940981

Ion	Exp%	Act%
265.70	100.00	100.00
268.00	62.20	63.90
264.00	61.60	63.92
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN111025\
Data File : BN038173.D
Acq On : 10 Nov 2025 09:30
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
DFTPP

Quant Time: Nov 10 10:10:53 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270E-Tune.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Nov 10 10:10:34 2025
Response via : Initial Calibration



TIC: BN038173.D\data.ms

(77) Benzidine

19.445min (0.000) 280.15 ng

response 4168590

Ion	Exp%	Act%
184.00	100.00	100.00
185.00	15.50	13.90
183.00	13.20	12.49
0.00	0.00	0.00



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

Report of Analysis

Client:	Remington & Vernick Engineers		Date Collected:	
Project:	Edison Landfill		Date Received:	
Client Sample ID:	PB170427BL		SDG No.:	Q3534
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

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

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

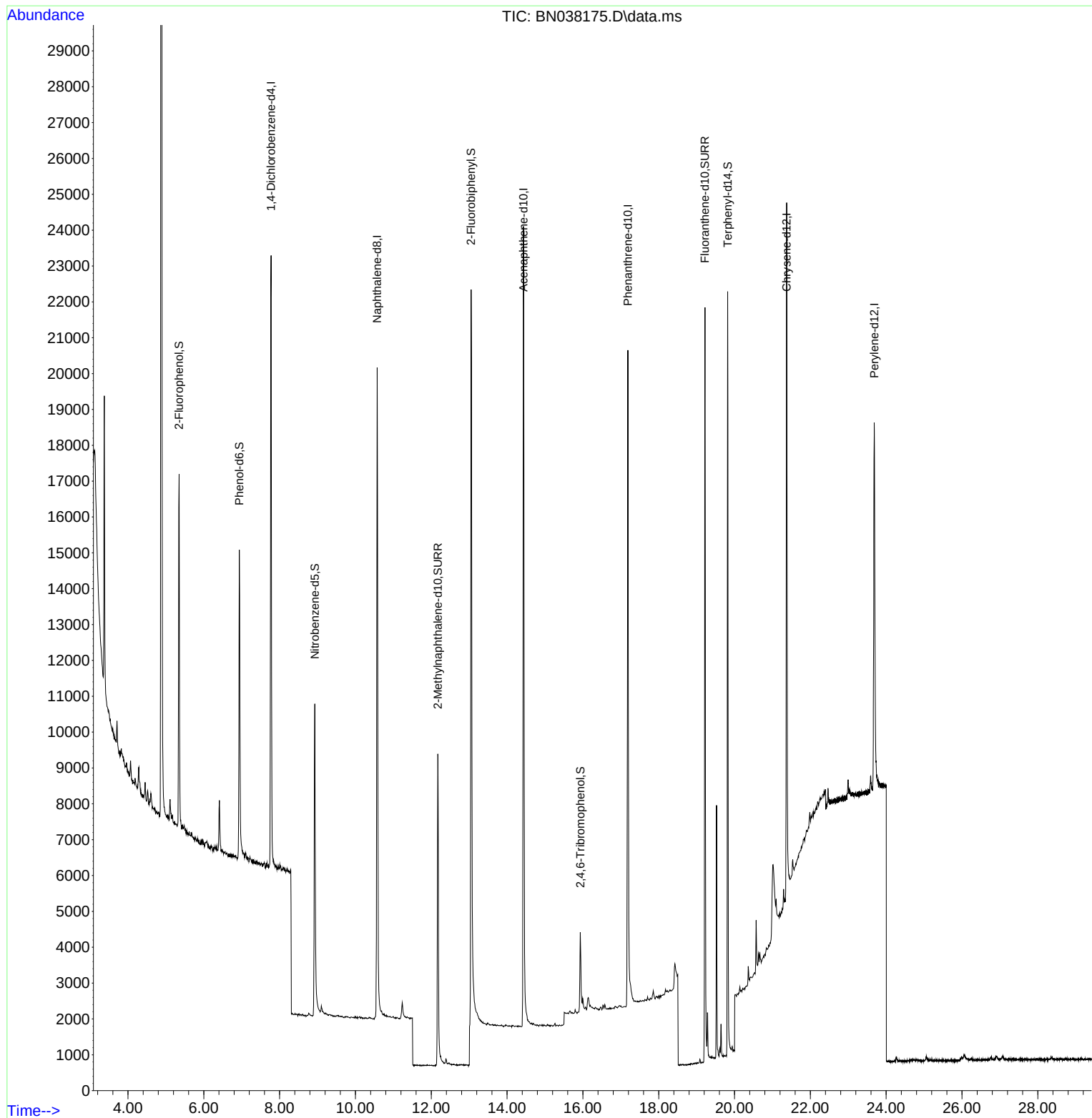
Target Compounds	Qvalue
-----	-----

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

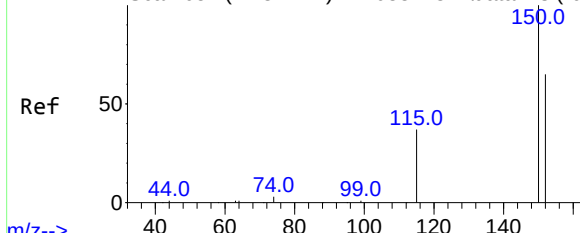
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN111025\
Data File : BN038175.D
Acq On : 10 Nov 2025 10:50
Operator : RC/JU
Sample : PB170427BL
Misc :
ALS Vial : 3 Sample Multiplier: 1

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# 6

Delta R.T. -0.000 min

Lab File: BN038175.D

Acq: 10 Nov 2025 10:50

Instrument :

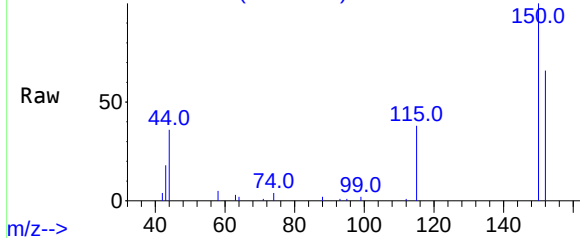
BNA_N

ClientSampleId :

PB170427BL

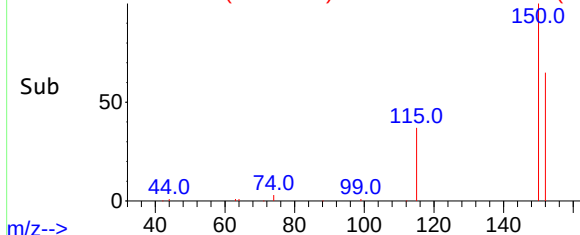
m/z-->

Abundance Scan 650 (7.775 min): BN038175.D\data.ms



m/z-->

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



m/z-->

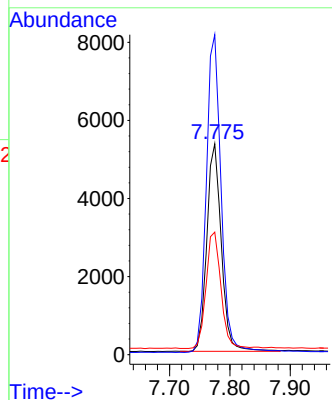
Tgt Ion:152 Resp: 8905

Ion Ratio Lower Upper

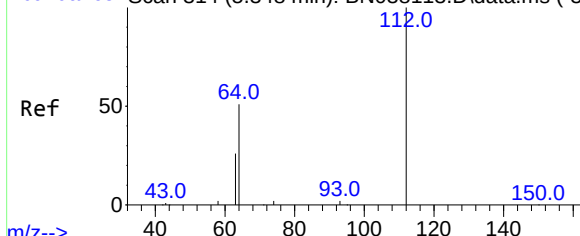
152 100

150 151.7 122.3 183.5

115 58.1 47.4 71.0

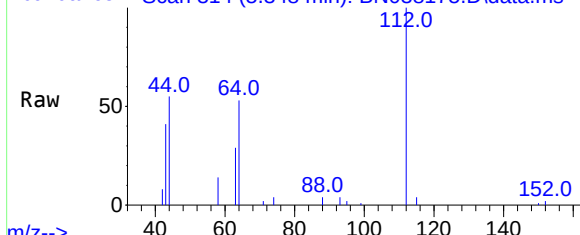


Abundance Scan 314 (5.348 min): BN038113.D\data.ms (-30



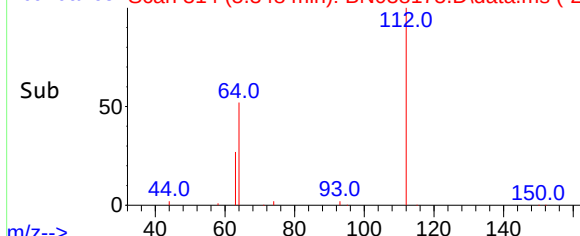
m/z-->

Abundance Scan 314 (5.348 min): BN038175.D\data.ms



m/z-->

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



m/z-->

#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

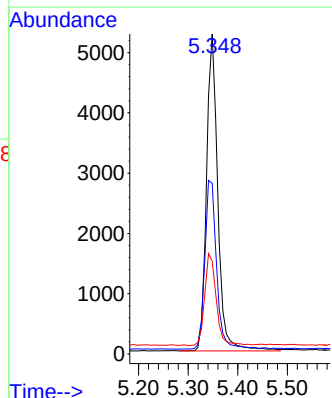
Tgt Ion:112 Resp: 8333

Ion Ratio Lower Upper

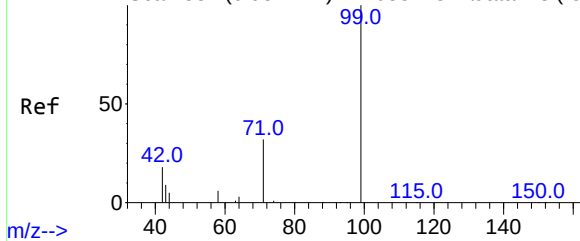
112 100

64 56.2 45.4 68.0

63 29.7 23.2 34.8



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

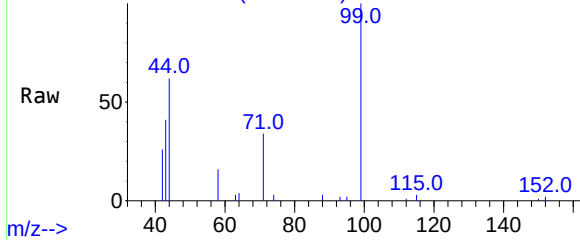
ClientSampleId :

PB170427BL

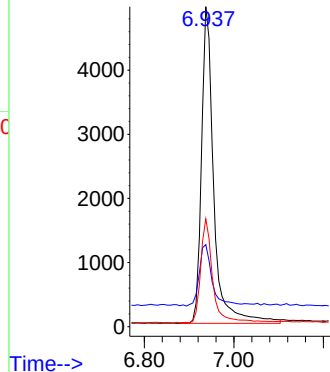
Tgt Ion: 99 Resp: 9450

Ion	Ratio	Lower	Upper
99	100		
42	20.2	16.6	24.8
71	31.8	25.4	38.2

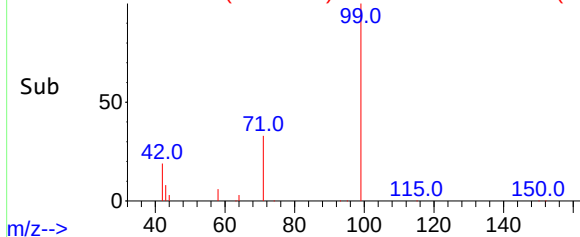
Abundance Scan 534 (6.937 min): BN038175.D\data.ms



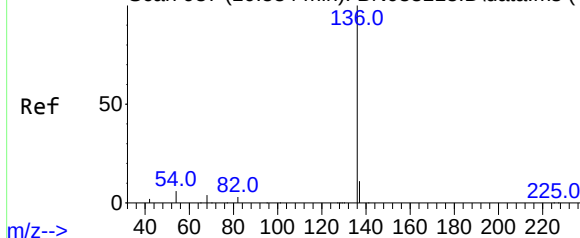
Abundance



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

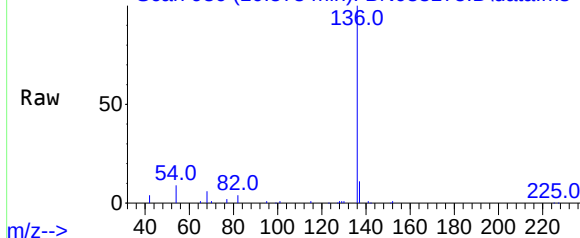
Lab File: BN038175.D

Acq: 10 Nov 2025 10:50

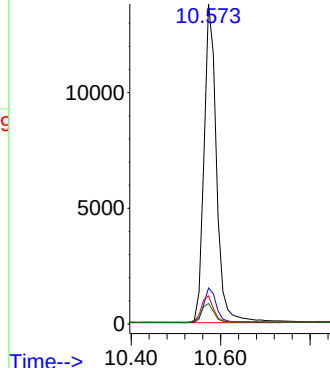
Tgt Ion: 136 Resp: 26771

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#

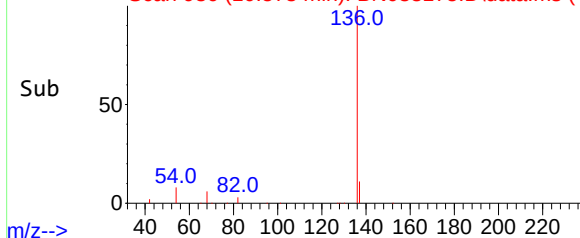
Abundance Scan 936 (10.573 min): BN038175.D\data.ms

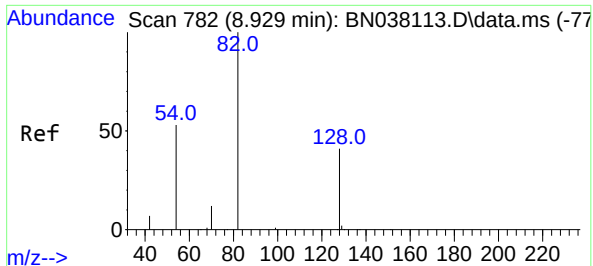


Abundance



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

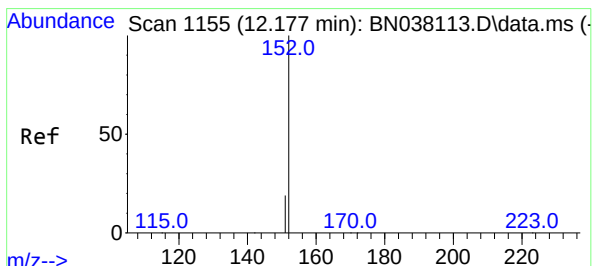
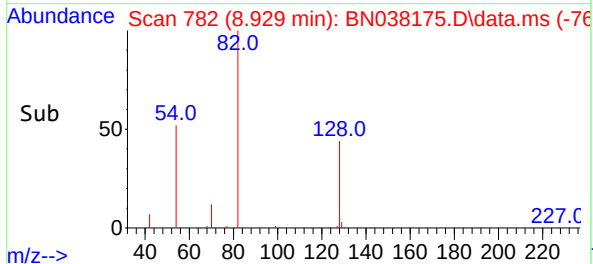
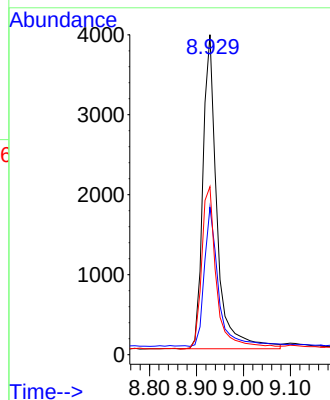
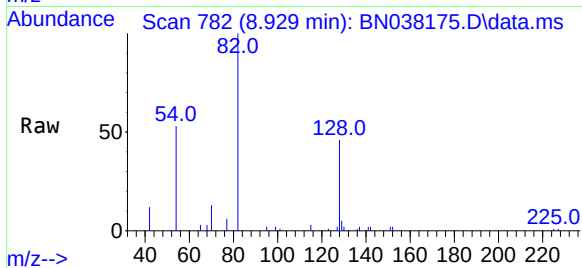




#8
Nitrobenzene-d5
Concen: 0.381 ng
RT: 8.929 min Scan# 71
Delta R.T. 0.000 min
Lab File: BN038175.D
Acq: 10 Nov 2025 10:50

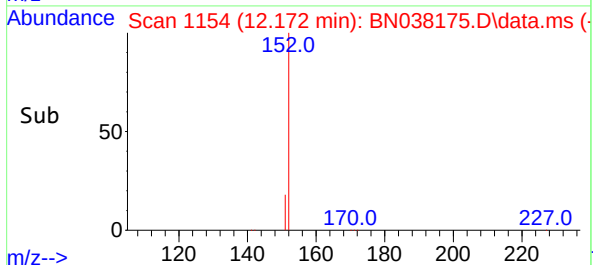
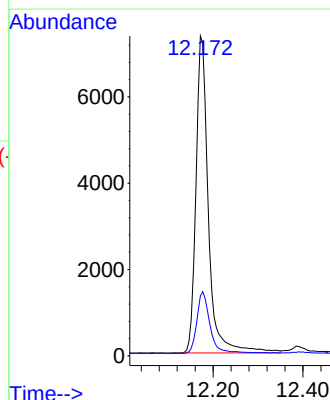
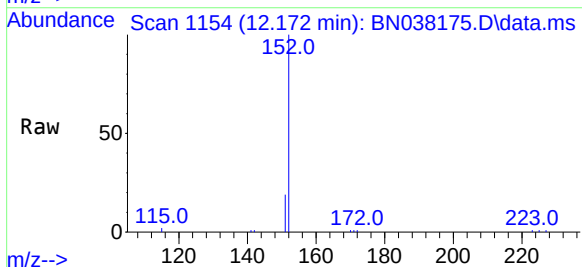
Instrument :
BNA_N
ClientSampleId :
PB170427BL

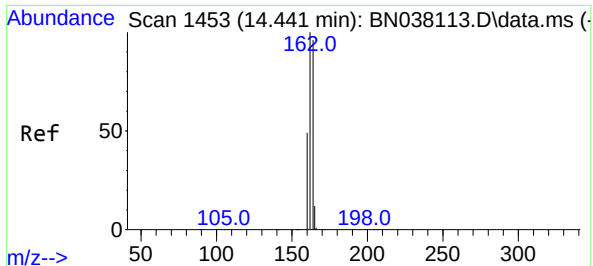
Tgt Ion: 82 Resp: 8230
Ion Ratio Lower Upper
82 100
128 46.1 34.1 51.1
54 52.5 43.5 65.3



#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

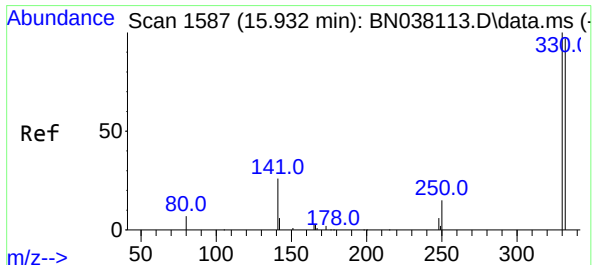
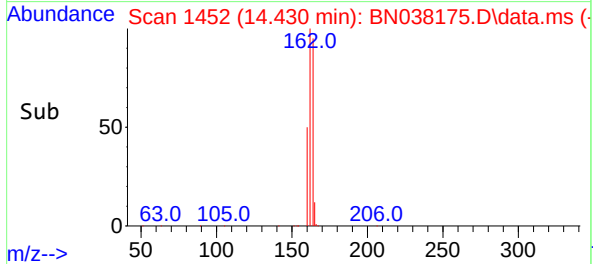
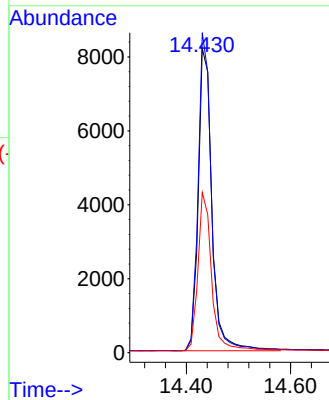
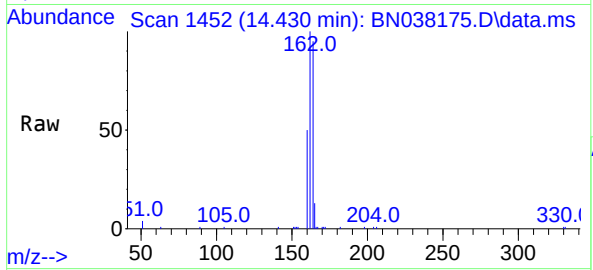




#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.430 min Scan# 1453
Delta R.T. 0.000 min
Lab File: BN038175.D
Acq: 10 Nov 2025 10:50

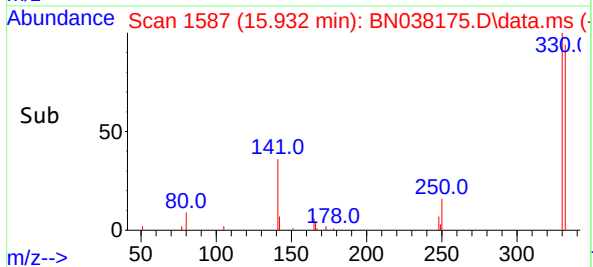
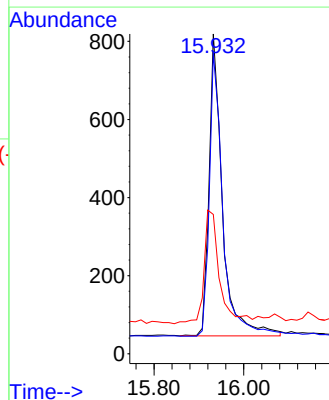
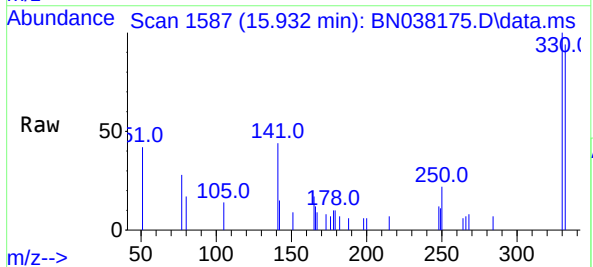
Instrument :
BNA_N
ClientSampleId :
PB170427BL

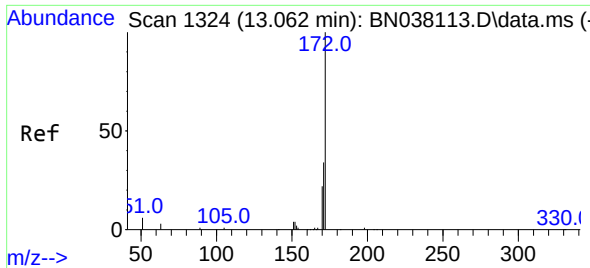
Tgt Ion:164 Resp: 15040
Ion Ratio Lower Upper
164 100
162 105.2 83.0 124.4
160 52.7 40.7 61.1



#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

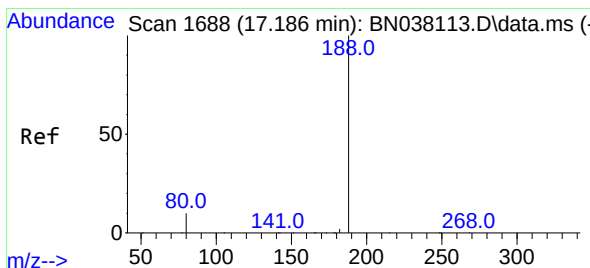
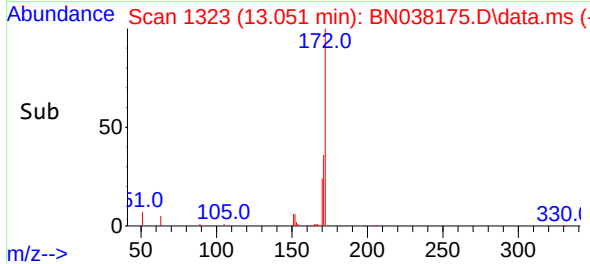
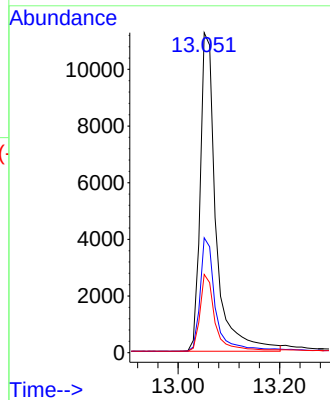
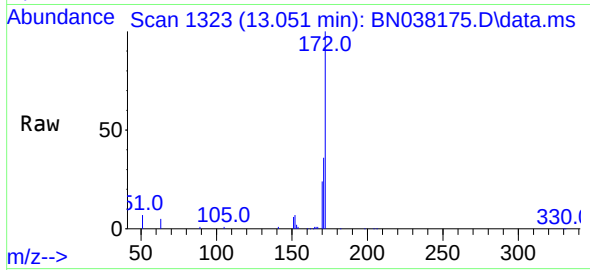




#15
2-Fluorobiphenyl
Concen: 0.393 ng
RT: 13.051 min Scan# 11
Delta R.T. 0.000 min
Lab File: BN038175.D
Acq: 10 Nov 2025 10:50

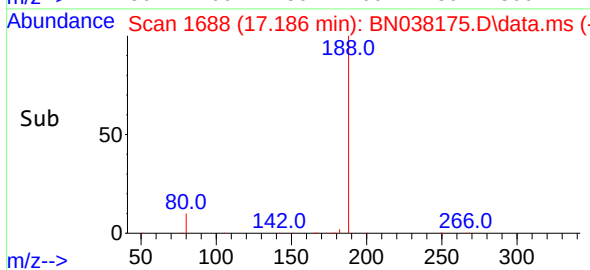
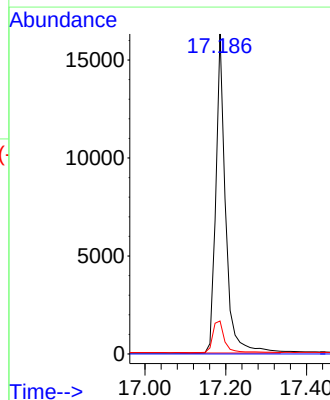
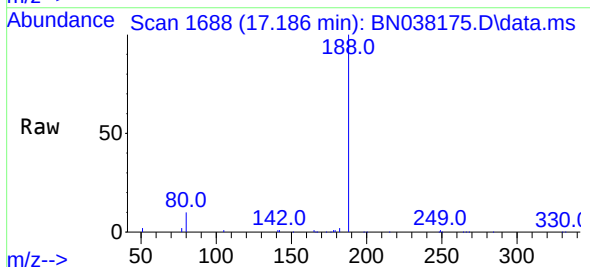
Instrument :
BNA_N
ClientSampleId :
PB170427BL

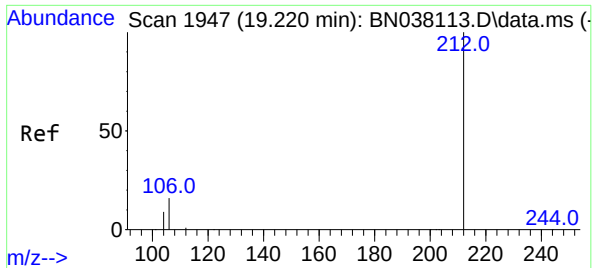
Tgt Ion:172 Resp: 23653
Ion Ratio Lower Upper
172 100
171 35.9 27.8 41.6
170 24.4 18.1 27.1



#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

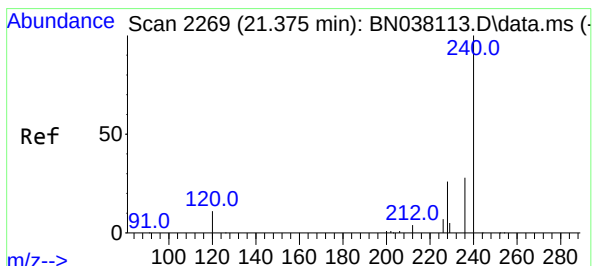
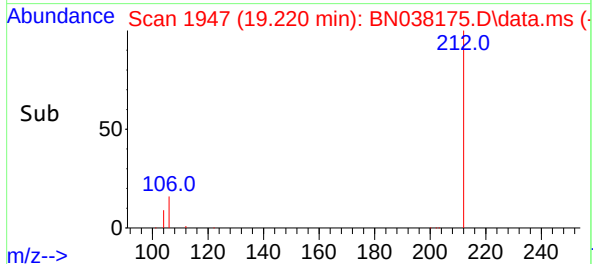
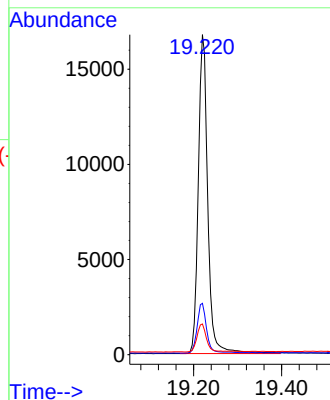
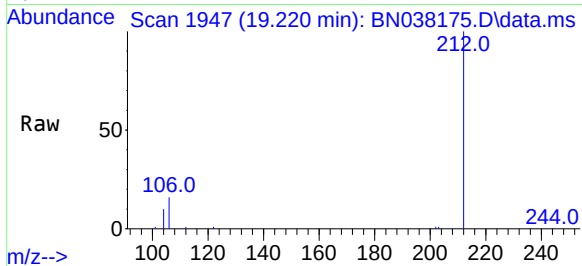




#27
Fluoranthene-d10
Concen: 0.363 ng
RT: 19.220 min Scan# 1947
Delta R.T. 0.000 min
Lab File: BN038175.D
Acq: 10 Nov 2025 10:50

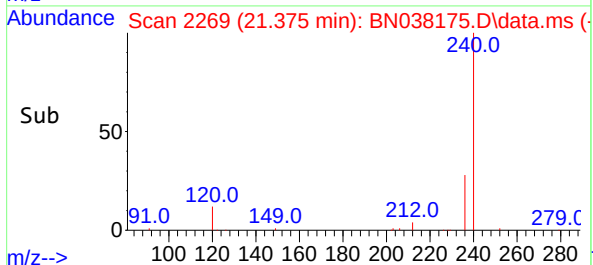
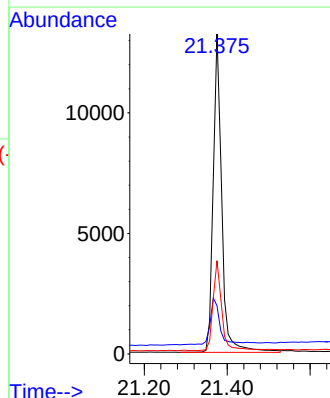
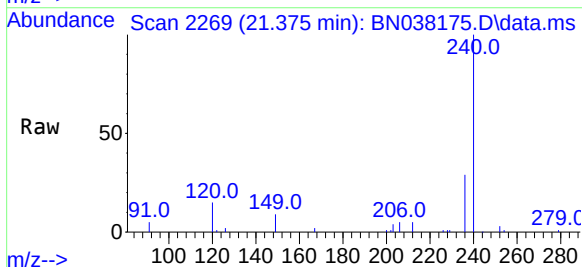
Instrument :
BNA_N
ClientSampleId :
PB170427BL

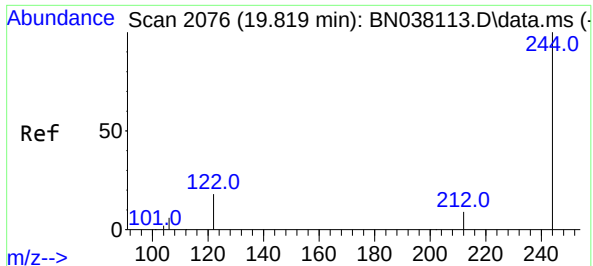
Tgt Ion	Ratio	Lower	Upper
212	100		
106	15.9	12.6	19.0
104	8.9	7.1	10.7



#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	Ratio	Lower	Upper
240	100		
120	15.0	10.7	16.1
236	29.2	23.1	34.7

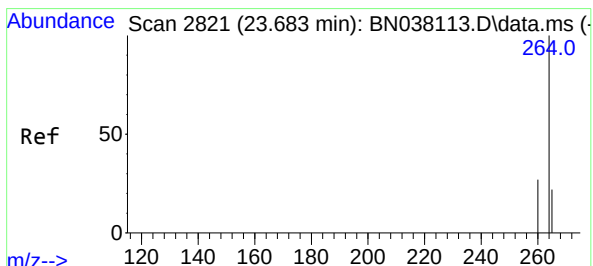
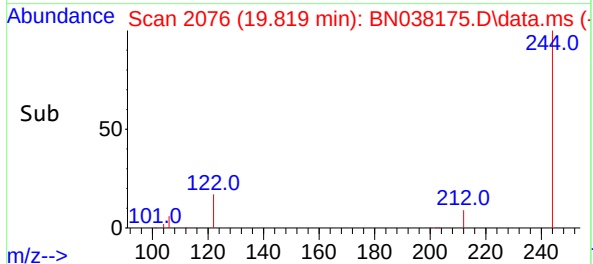
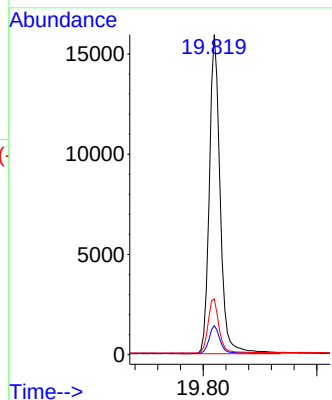
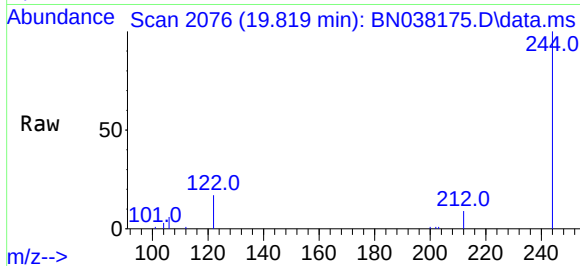




#31
Terphenyl-d14
Concen: 0.515 ng
RT: 19.819 min Scan# 2076
Delta R.T. 0.000 min
Lab File: BN038175.D
Acq: 10 Nov 2025 10:50

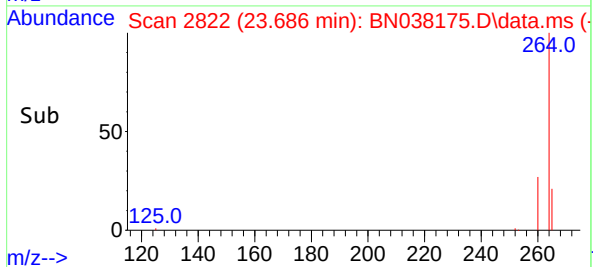
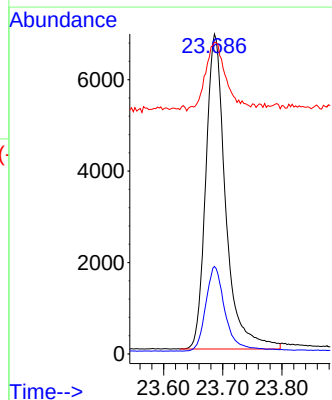
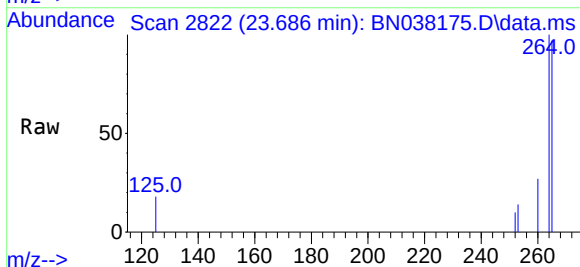
Instrument :
BNA_N
ClientSampleId :
PB170427BL

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





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

Report of Analysis

Client:	Remington & Vernick Engineers		Date Collected:	
Project:	Edison Landfill		Date Received:	
Client Sample ID:	PB170427BS		SDG No.:	Q3534
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

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)

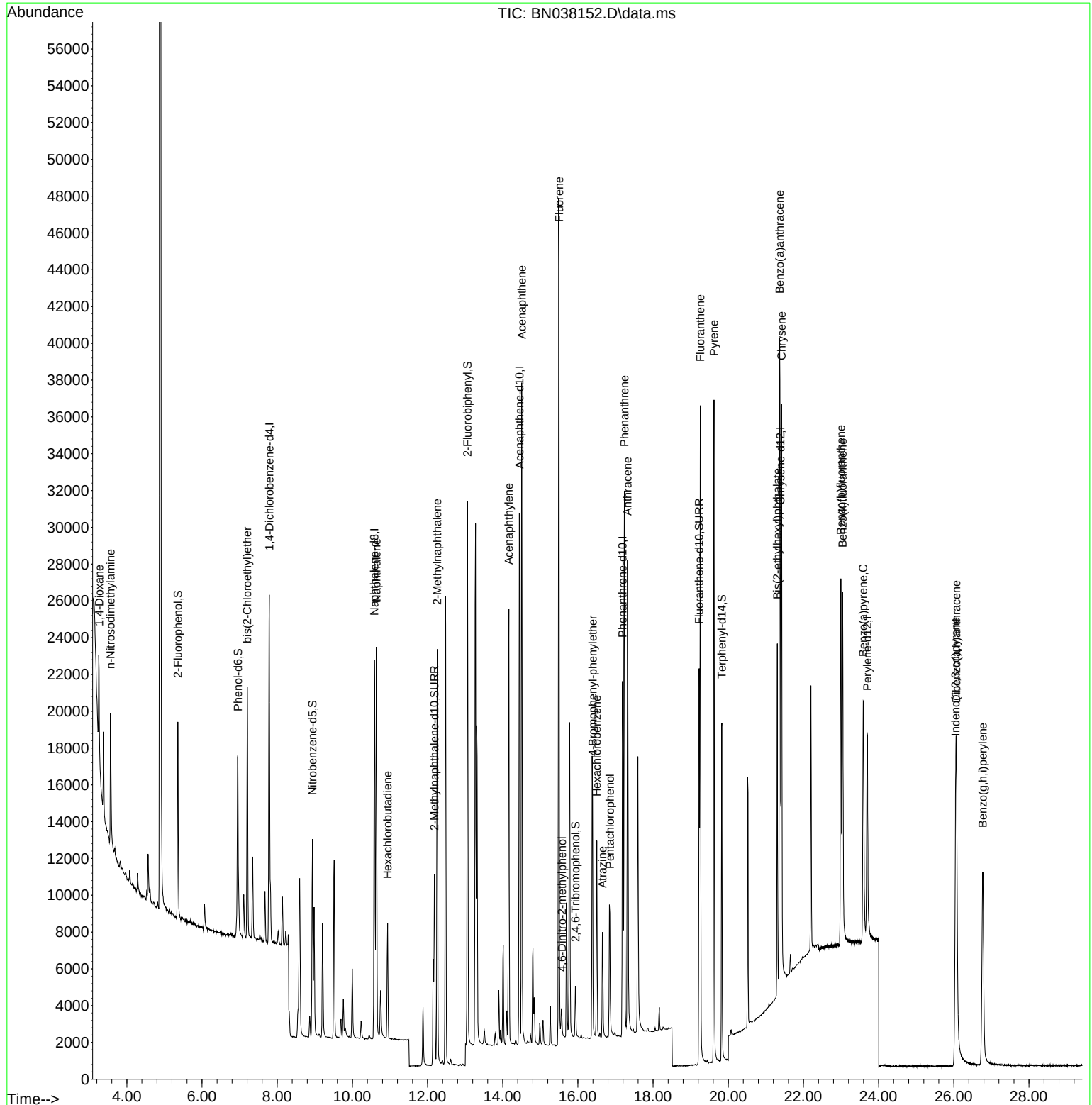
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.789	152	9551	0.400	ng	0.01
7) Naphthalene-d8	10.584	136	28713	0.400	ng	# 0.01
13) Acenaphthene-d10	14.441	164	15548	0.400	ng	0.01
19) Phenanthrene-d10	17.186	188	28280	0.400	ng	# 0.00
29) Chrysene-d12	21.384	240	19896	0.400	ng	0.00
35) Perylene-d12	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

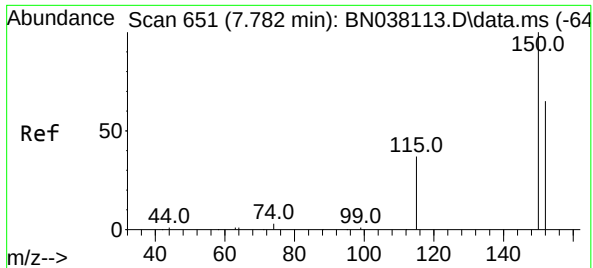
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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

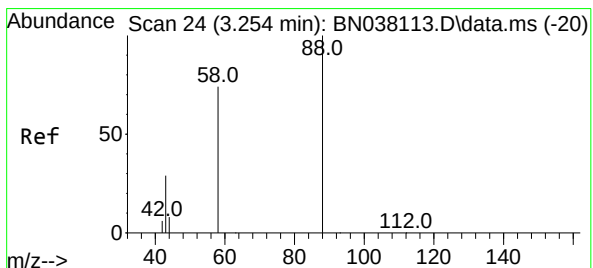
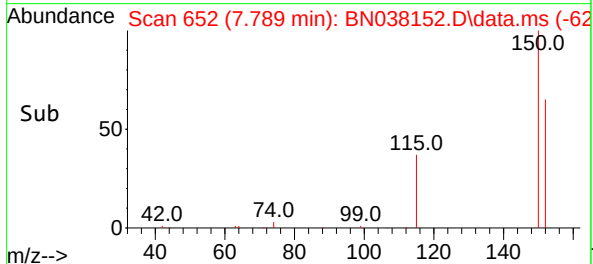
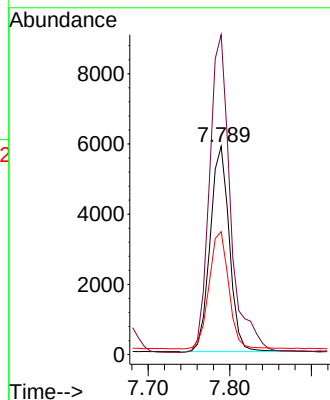
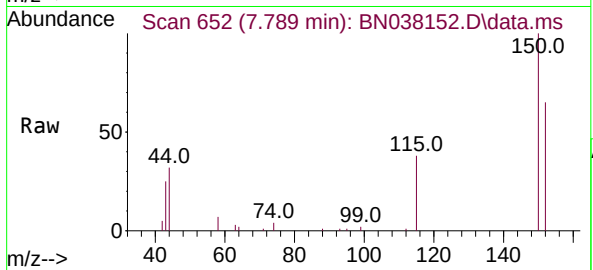




#1
 1,4-Dichlorobenzene-d4
 Concen: 0.400 ng
 RT: 7.789 min Scan# 61
 Delta R.T. 0.014 min
 Lab File: BN038152.D
 Acq: 07 Nov 2025 13:44

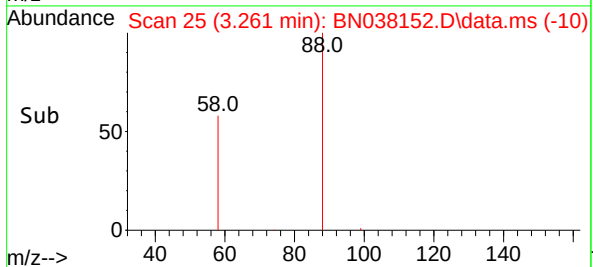
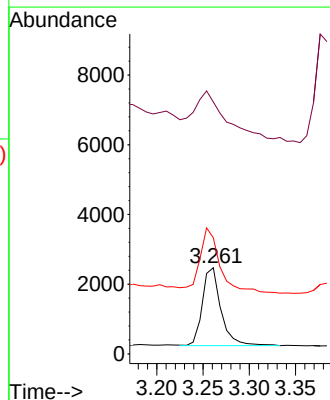
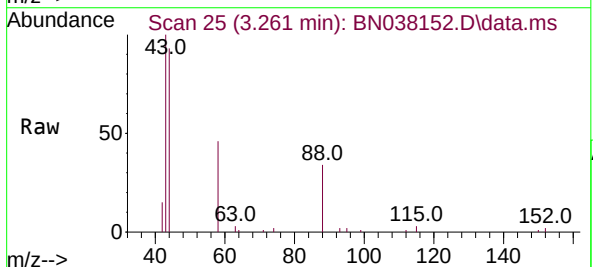
Instrument :
 BNA_N
 ClientSampleId :
 PB170427BS

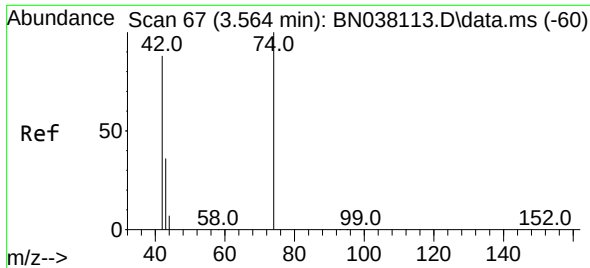
Tgt Ion:152 Resp: 9551
 Ion Ratio Lower Upper
 152 100
 150 153.7 122.3 183.5
 115 59.1 47.4 71.0



#2
 1,4-Dioxane
 Concen: 0.315 ng
 RT: 3.261 min Scan# 25
 Delta R.T. 0.007 min
 Lab File: BN038152.D
 Acq: 07 Nov 2025 13:44

Tgt Ion: 88 Resp: 3113
 Ion Ratio Lower Upper
 88 100
 43 103.4 24.3 36.5#
 58 92.3 60.4 90.6#

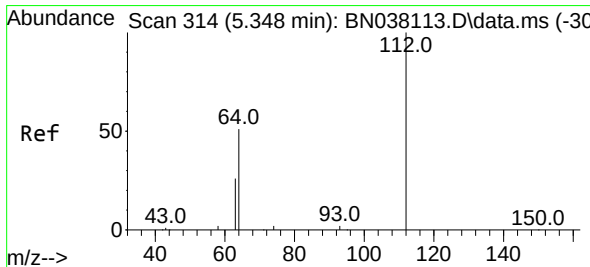
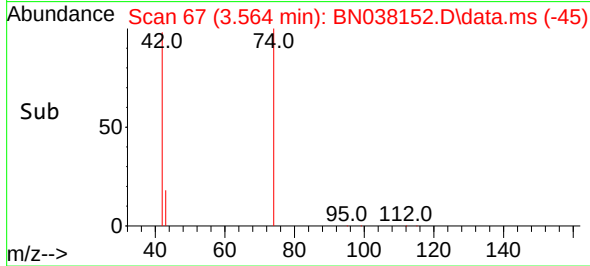
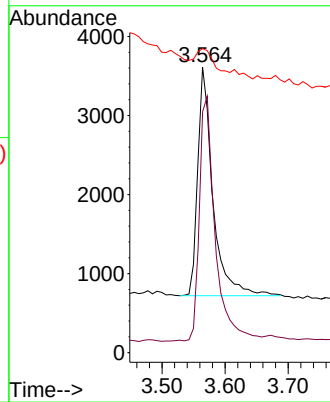
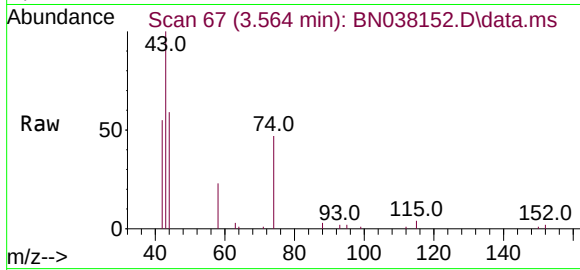




#3
n-Nitrosodimethylamine
Concen: 0.379 ng
RT: 3.564 min Scan# 61
Delta R.T. 0.007 min
Lab File: BN038152.D
Acq: 07 Nov 2025 13:44

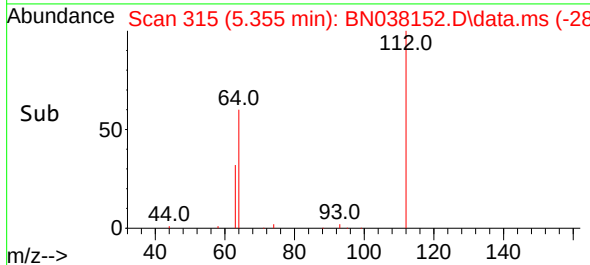
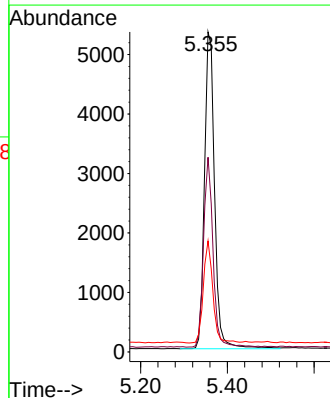
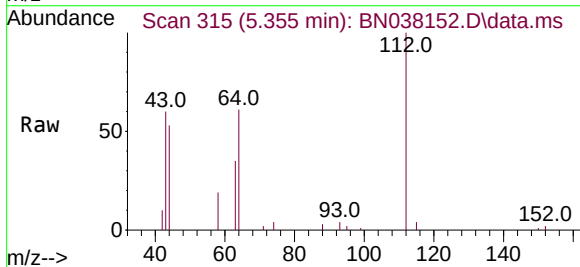
Instrument :
BNA_N
ClientSampleId :
PB170427BS

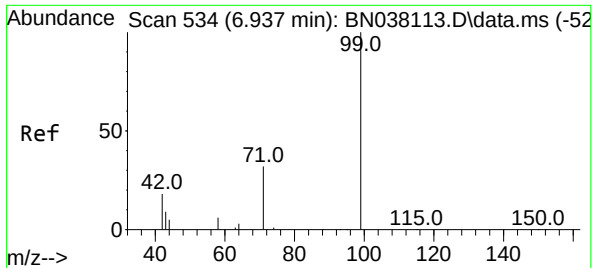
Tgt Ion: 42 Resp: 4808
Ion Ratio Lower Upper
42 100
74 112.5 96.8 145.2
44 20.7 5.3 7.9#



#4
2-Fluorophenol
Concen: 0.381 ng
RT: 5.355 min Scan# 315
Delta R.T. 0.007 min
Lab File: BN038152.D
Acq: 07 Nov 2025 13:44

Tgt Ion: 112 Resp: 8583
Ion Ratio Lower Upper
112 100
64 56.5 45.4 68.0
63 30.2 23.2 34.8

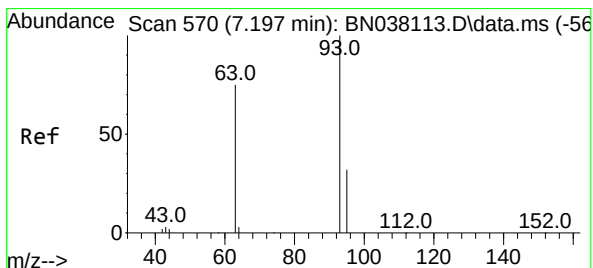
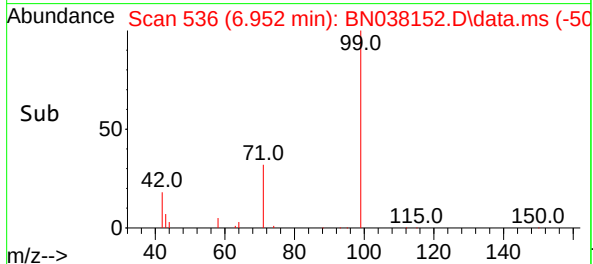
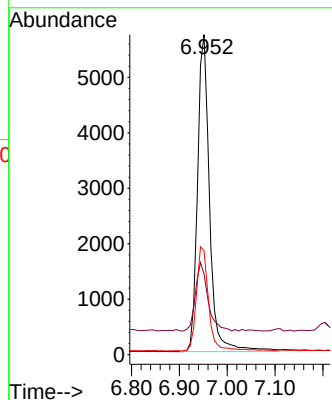
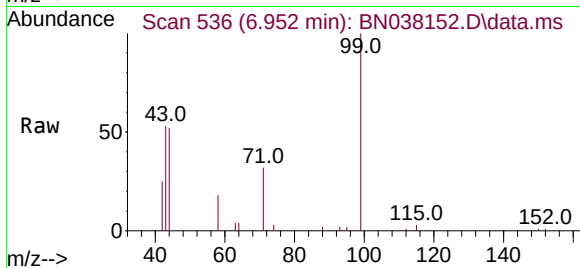




#5
Phenol-d6
Concen: 0.364 ng
RT: 6.952 min Scan# 534
Delta R.T. 0.014 min
Lab File: BN038152.D
Acq: 07 Nov 2025 13:44

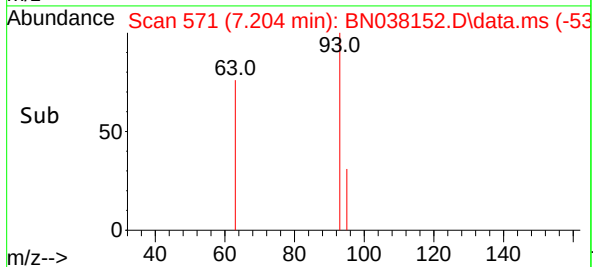
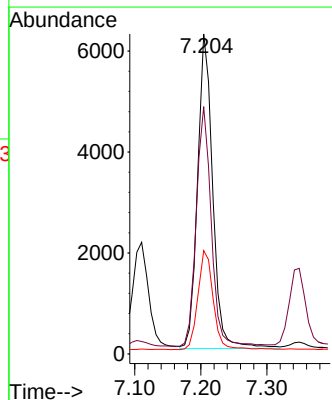
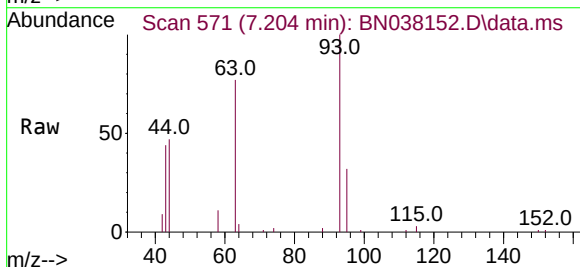
Instrument :
BNA_N
ClientSampleId :
PB170427BS

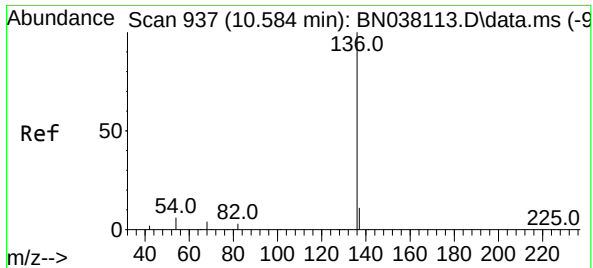
Tgt Ion	Ratio	Lower	Upper
99	100		
42	22.1	16.6	24.8
71	33.5	25.4	38.2



#6
bis(2-Chloroethyl)ether
Concen: 0.368 ng
RT: 7.204 min Scan# 571
Delta R.T. 0.007 min
Lab File: BN038152.D
Acq: 07 Nov 2025 13:44

Tgt Ion	Ratio	Lower	Upper
93	100		
63	76.0	59.3	88.9
95	31.9	25.2	37.8

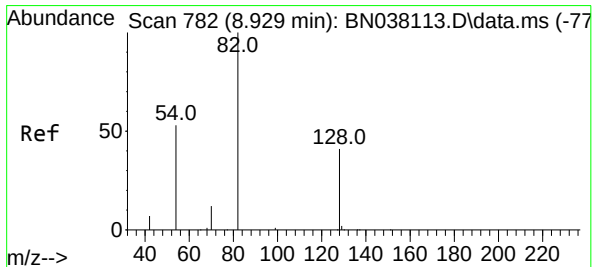
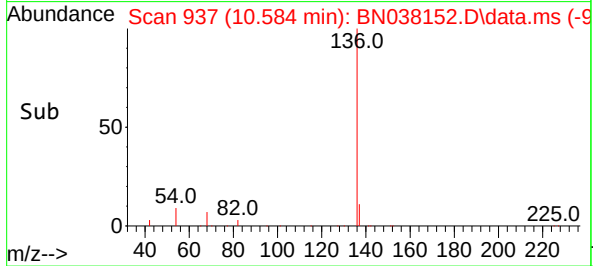
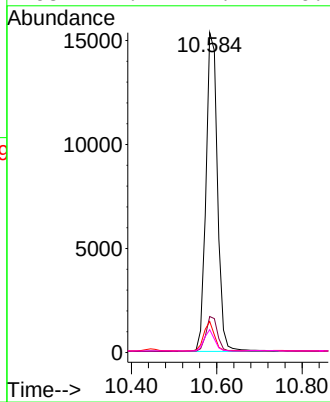
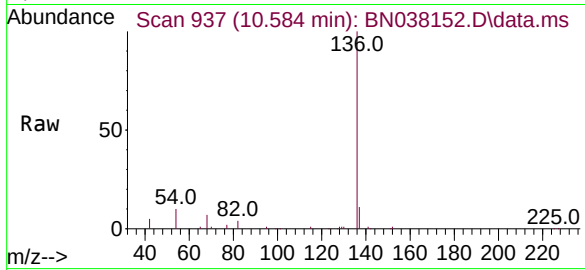




#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.584 min Scan# 937
Delta R.T. 0.011 min
Lab File: BN038152.D
Acq: 07 Nov 2025 13:44

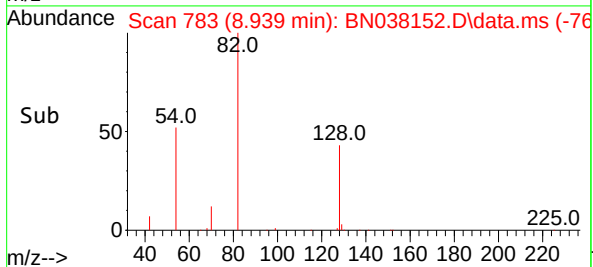
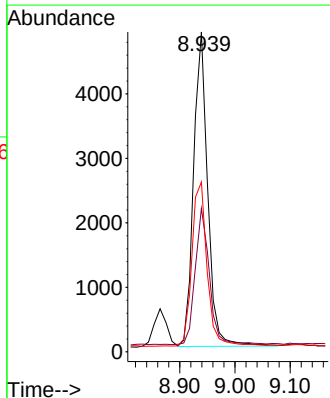
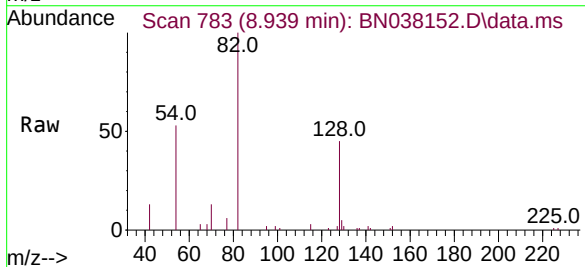
Instrument :
BNA_N
ClientSampleId :
PB170427BS

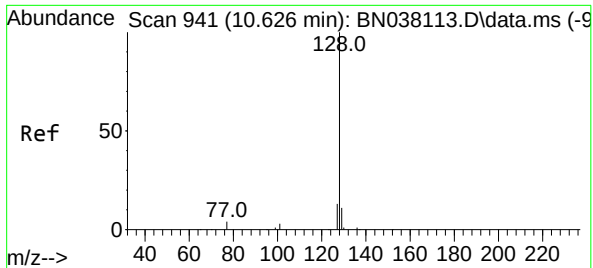
Tgt Ion:	136	Resp:	28713
Ion	Ratio	Lower	Upper
136	100		
137	11.3	9.0	13.4
54	9.7	5.2	7.8#
68	7.2	4.1	6.1#



#8
Nitrobenzene-d5
Concen: 0.373 ng
RT: 8.939 min Scan# 783
Delta R.T. 0.011 min
Lab File: BN038152.D
Acq: 07 Nov 2025 13:44

Tgt Ion:	82	Resp:	8637
Ion	Ratio	Lower	Upper
82	100		
128	44.9	34.1	51.1
54	53.1	43.5	65.3

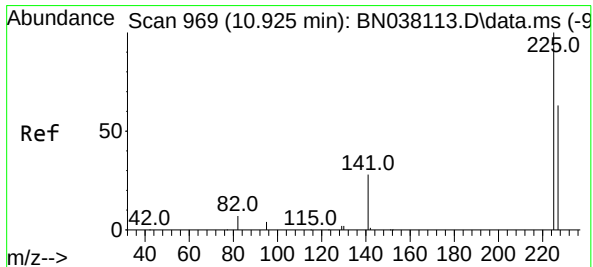
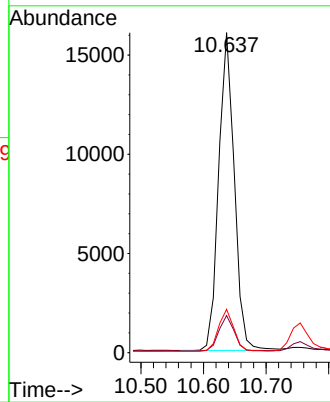
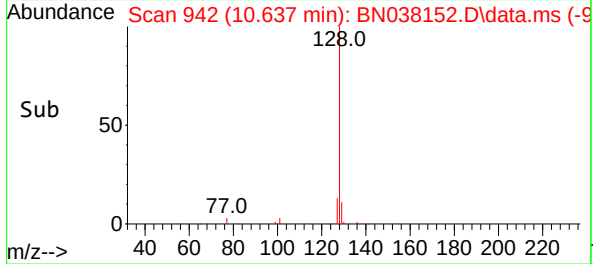
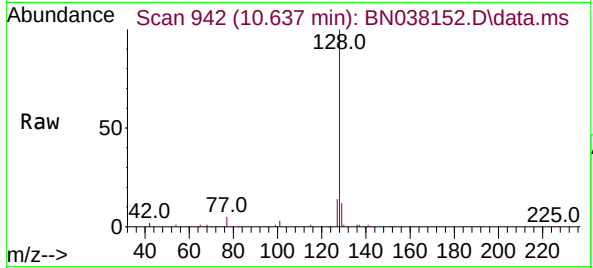




#9
Naphthalene
Concen: 0.351 ng
RT: 10.637 min Scan# 941
Delta R.T. 0.011 min
Lab File: BN038152.D
Acq: 07 Nov 2025 13:44

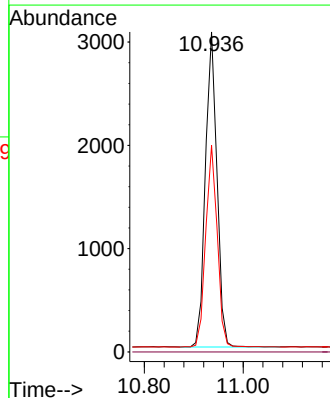
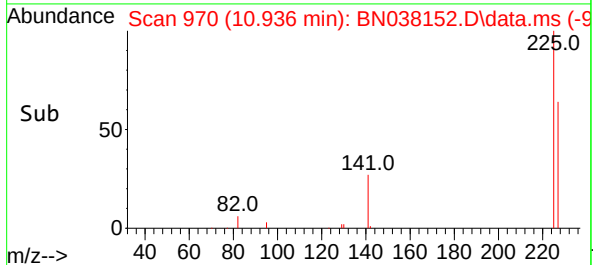
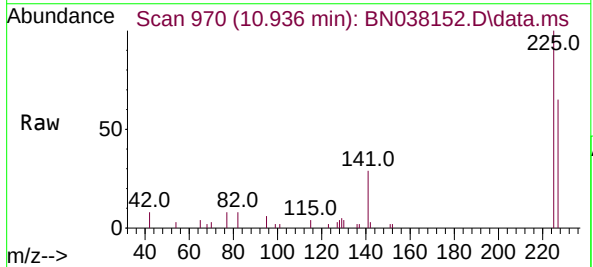
Instrument :
BNA_N
ClientSampleId :
PB170427BS

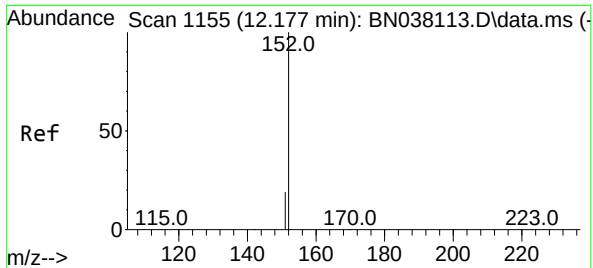
Tgt Ion:128 Resp: 27757
Ion Ratio Lower Upper
128 100
129 11.6 9.1 13.7
127 13.5 10.5 15.7



#10
Hexachlorobutadiene
Concen: 0.371 ng
RT: 10.936 min Scan# 970
Delta R.T. 0.011 min
Lab File: BN038152.D
Acq: 07 Nov 2025 13:44

Tgt Ion:225 Resp: 4945
Ion Ratio Lower Upper
225 100
223 0.0 0.0 0.0
227 64.1 50.3 75.5

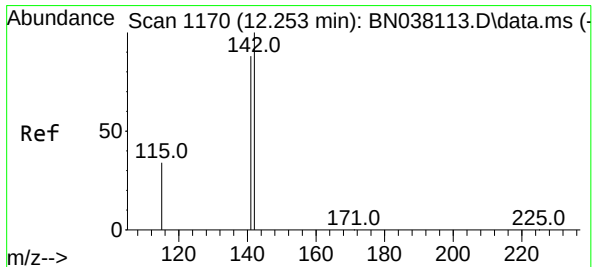
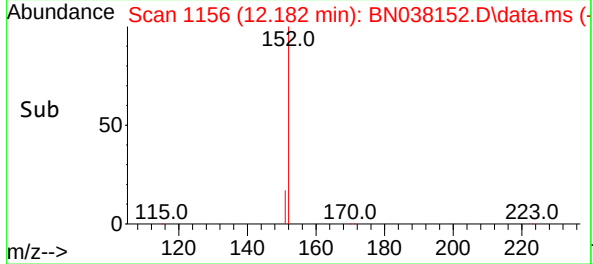
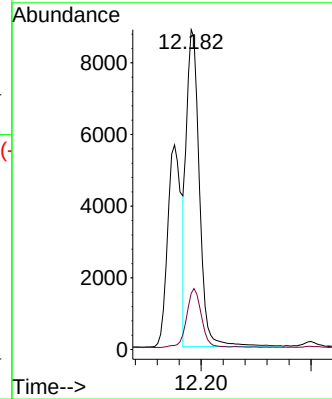
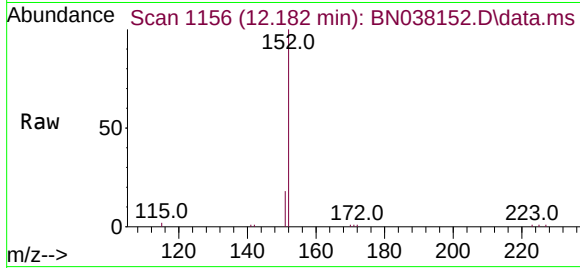




#11
2-Methylnaphthalene-d10
Concen: 0.354 ng
RT: 12.182 min Scan# 1155
Delta R.T. 0.005 min
Lab File: BN038152.D
Acq: 07 Nov 2025 13:44

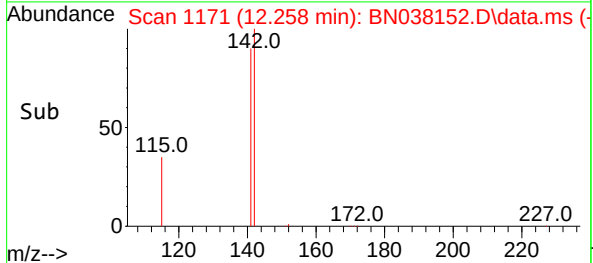
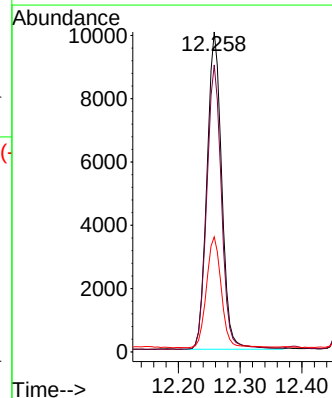
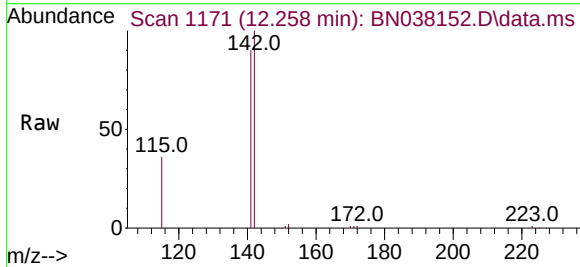
Instrument :
BNA_N
ClientSampleId :
PB170427BS

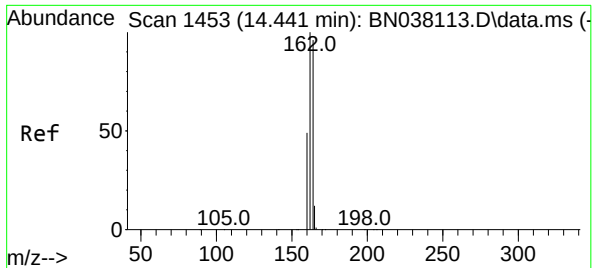
Tgt Ion:152 Resp: 14534
Ion Ratio Lower Upper
152 100
151 21.1 16.8 25.2



#12
2-Methylnaphthalene
Concen: 0.317 ng
RT: 12.258 min Scan# 1171
Delta R.T. 0.010 min
Lab File: BN038152.D
Acq: 07 Nov 2025 13:44

Tgt Ion:142 Resp: 16694
Ion Ratio Lower Upper
142 100
141 89.7 70.3 105.5
115 35.9 27.8 41.6

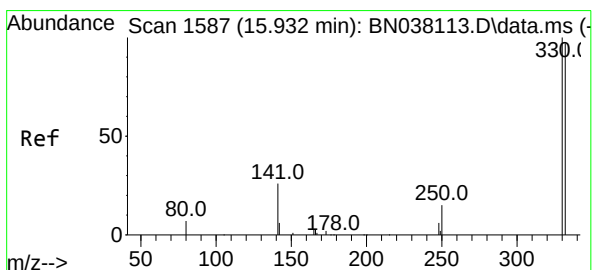
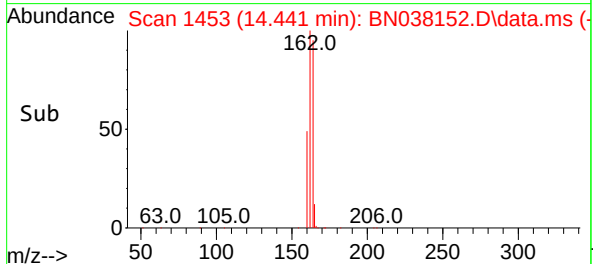
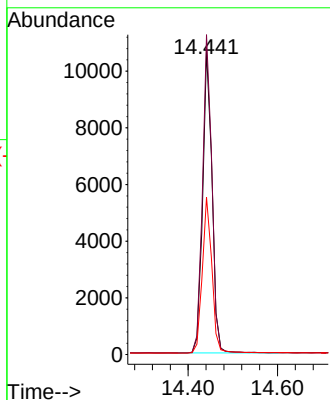
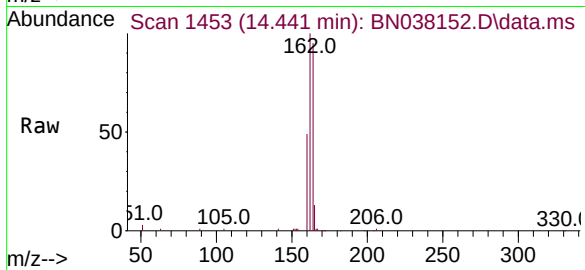




#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.441 min Scan# 1453
Delta R.T. 0.011 min
Lab File: BN038152.D
Acq: 07 Nov 2025 13:44

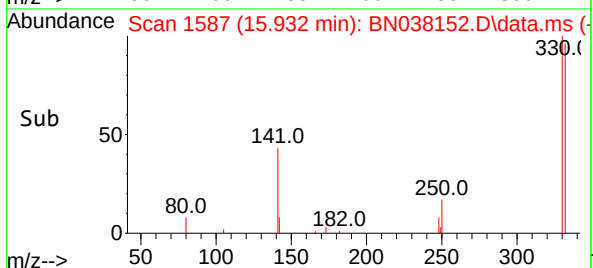
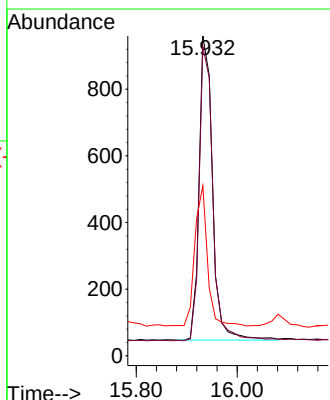
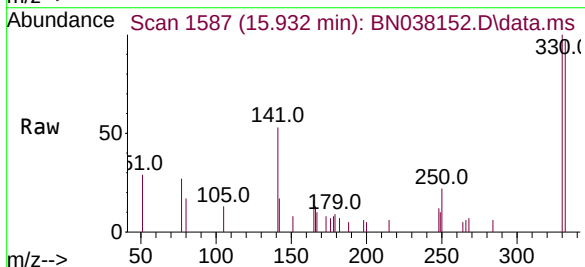
Instrument :
BNA_N
ClientSampleId :
PB170427BS

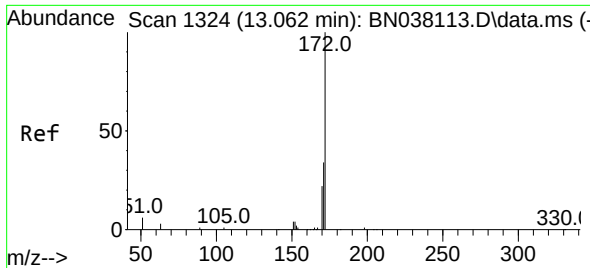
Tgt Ion:164 Resp: 15548
Ion Ratio Lower Upper
164 100
162 105.6 83.0 124.4
160 51.9 40.7 61.1



#14
2,4,6-Tribromophenol
Concen: 0.262 ng
RT: 15.932 min Scan# 1587
Delta R.T. 0.000 min
Lab File: BN038152.D
Acq: 07 Nov 2025 13:44

Tgt Ion:330 Resp: 1681
Ion Ratio Lower Upper
330 100
332 98.3 76.6 114.8
141 42.7 34.1 51.1

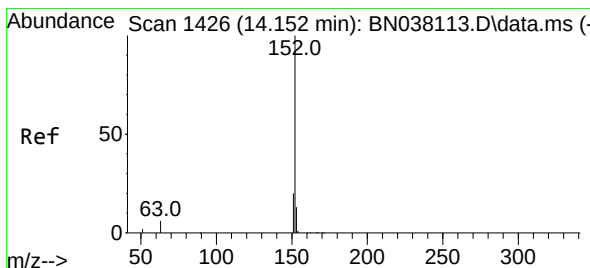
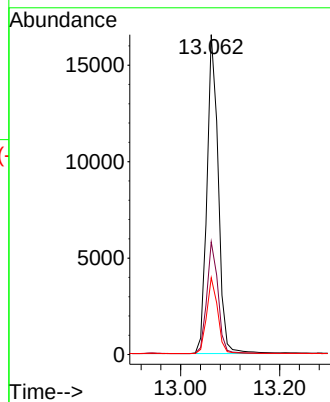
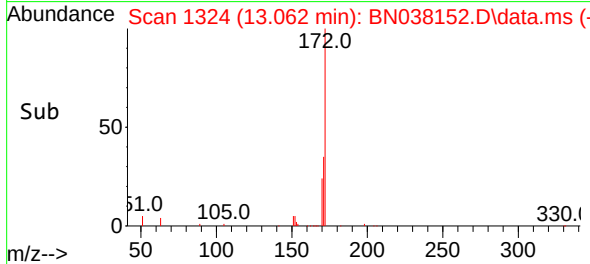
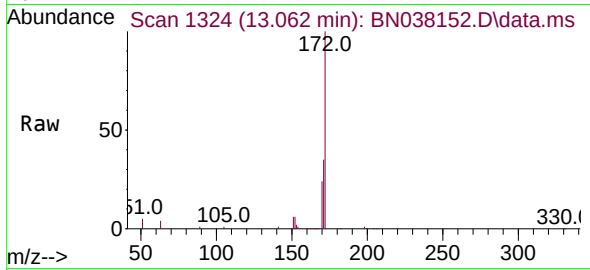




#15
2-Fluorobiphenyl
Concen: 0.396 ng
RT: 13.062 min Scan# 1324
Delta R.T. 0.011 min
Lab File: BN038152.D
Acq: 07 Nov 2025 13:44

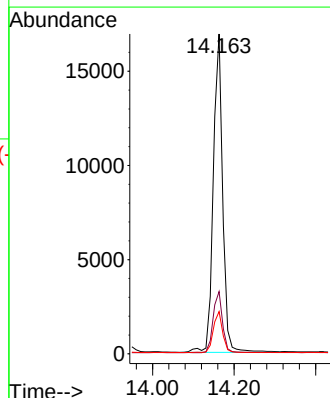
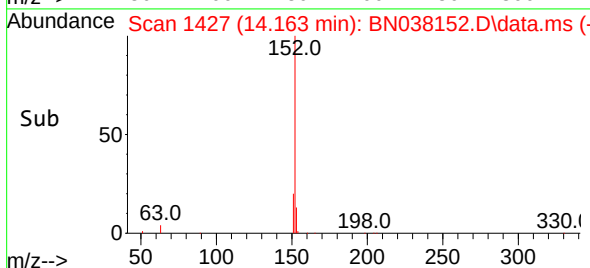
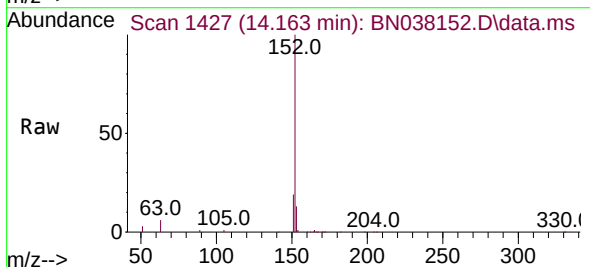
Instrument :
BNA_N
ClientSampleId :
PB170427BS

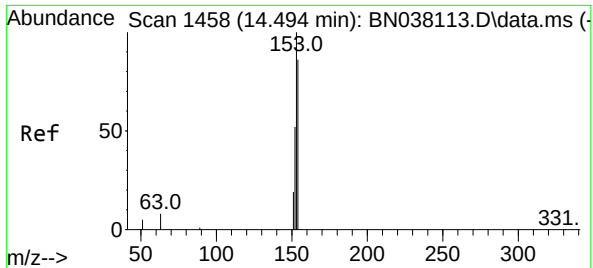
Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.2	27.8	41.6
170	24.0	18.1	27.1



#16
Acenaphthylene
Concen: 0.384 ng
RT: 14.163 min Scan# 1427
Delta R.T. 0.011 min
Lab File: BN038152.D
Acq: 07 Nov 2025 13:44

Tgt Ion	Ratio	Lower	Upper
152	100		
151	19.3	15.8	23.8
153	12.8	10.2	15.2

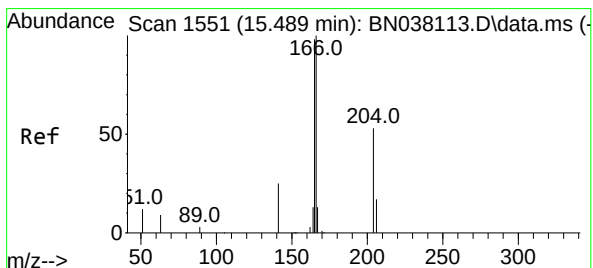
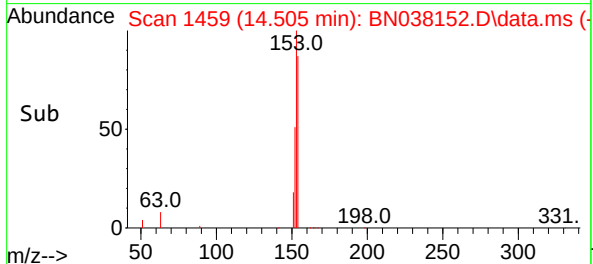
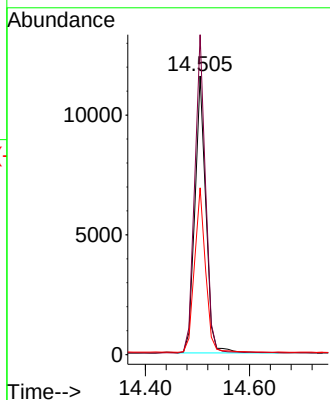
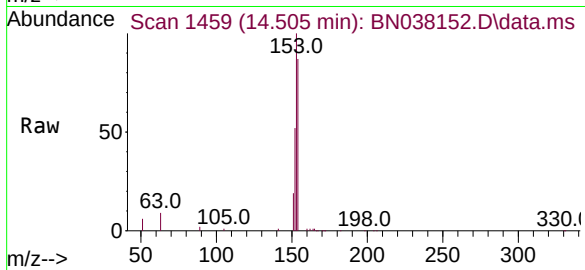




#17
Acenaphthene
Concen: 0.343 ng
RT: 14.505 min Scan# 1459
Delta R.T. 0.011 min
Lab File: BN038152.D
Acq: 07 Nov 2025 13:44

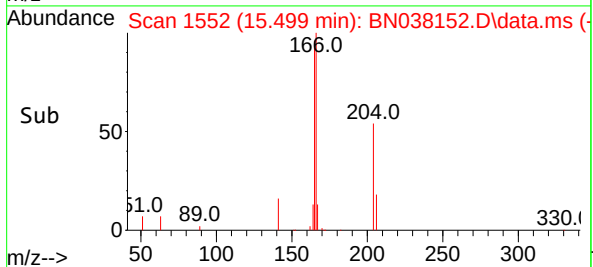
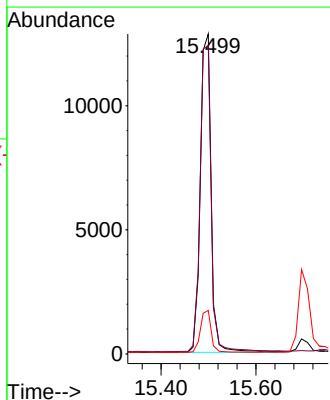
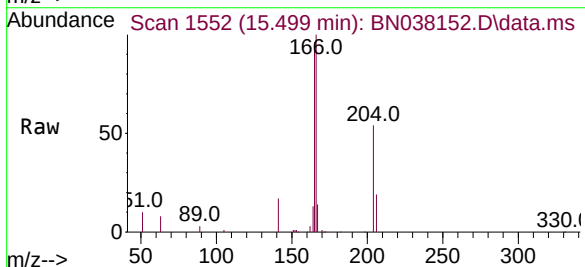
Instrument :
BNA_N
ClientSampleId :
PB170427BS

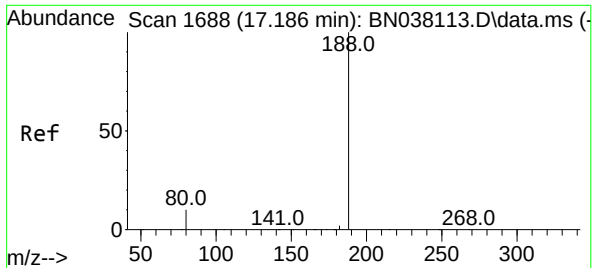
Tgt Ion:154 Resp: 16914
Ion Ratio Lower Upper
154 100
153 113.5 90.0 135.0
152 59.4 47.3 70.9



#18
Fluorene
Concen: 0.341 ng
RT: 15.499 min Scan# 1552
Delta R.T. 0.010 min
Lab File: BN038152.D
Acq: 07 Nov 2025 13:44

Tgt Ion:166 Resp: 22013
Ion Ratio Lower Upper
166 100
165 97.3 79.0 118.4
167 13.1 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: BN038152.D

Acq: 07 Nov 2025 13:44

Instrument :

BNA_N

ClientSampleId :

PB170427BS

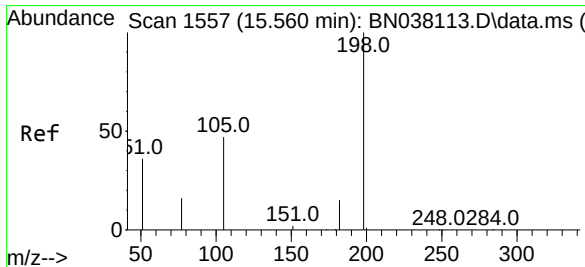
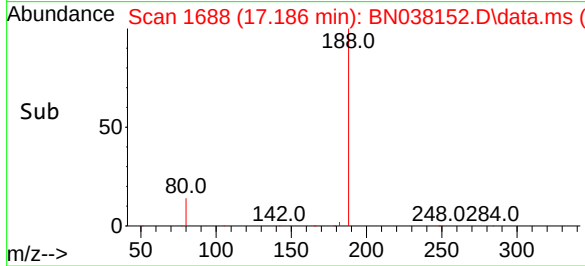
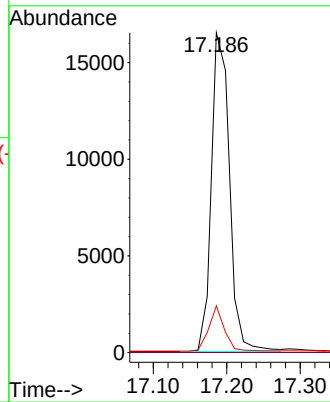
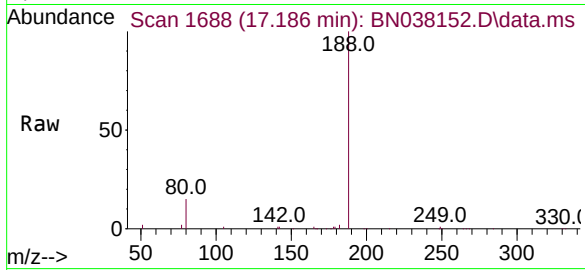
Tgt Ion:188 Resp: 28280

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

80 14.6 8.6 13.0#



#20

4,6-Dinitro-2-methylphenol

Concen: 0.382 ng

RT: 15.572 min Scan# 1558

Delta R.T. 0.012 min

Lab File: BN038152.D

Acq: 07 Nov 2025 13:44

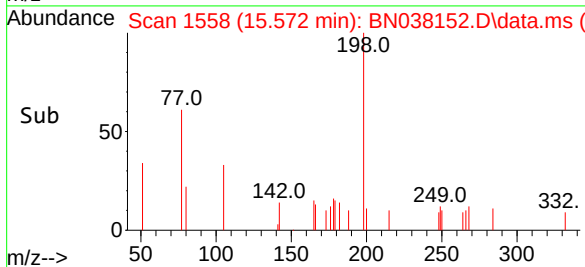
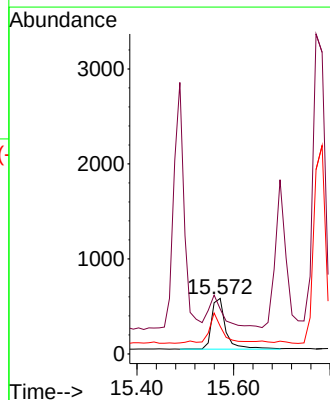
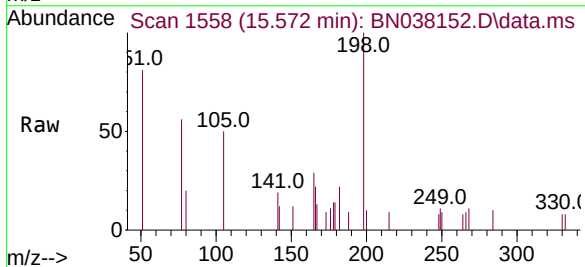
Tgt Ion:198 Resp: 1071

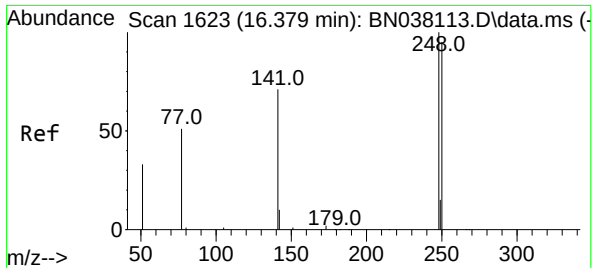
Ion Ratio Lower Upper

198 100

51 81.0 88.9 133.3#

105 49.7 49.2 73.8

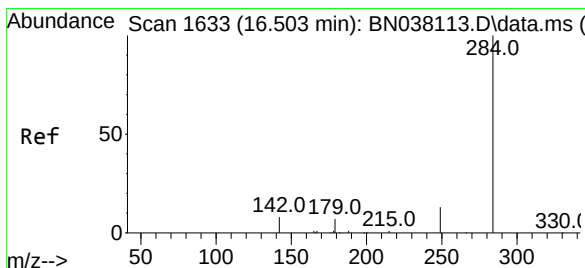
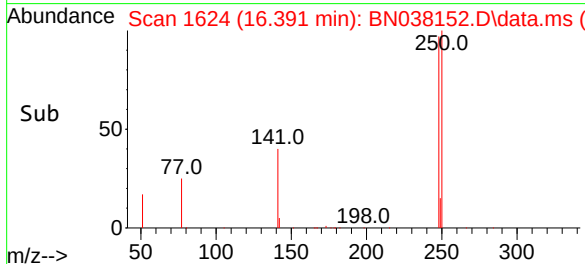
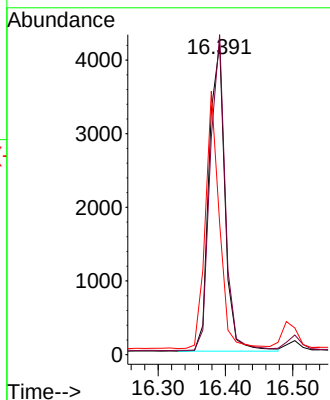
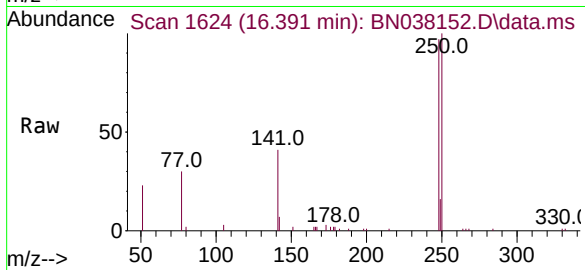




#21
4-Bromophenyl-phenylether
Concen: 0.368 ng
RT: 16.391 min Scan# 1624
Delta R.T. 0.012 min
Lab File: BN038152.D
Acq: 07 Nov 2025 13:44

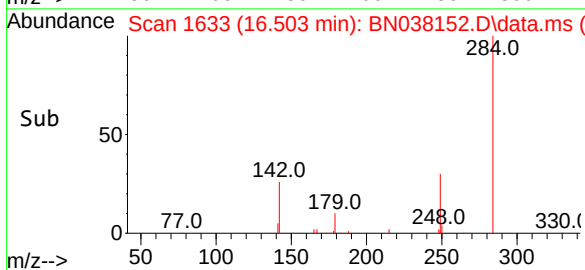
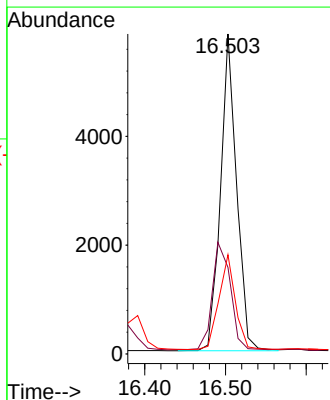
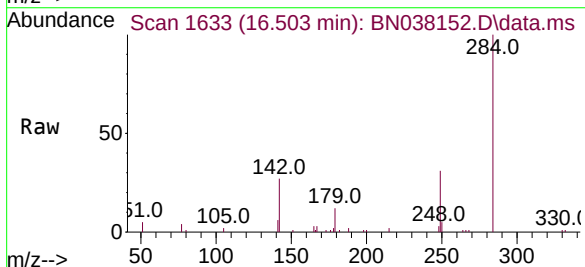
Instrument :
BNA_N
ClientSampleId :
PB170427BS

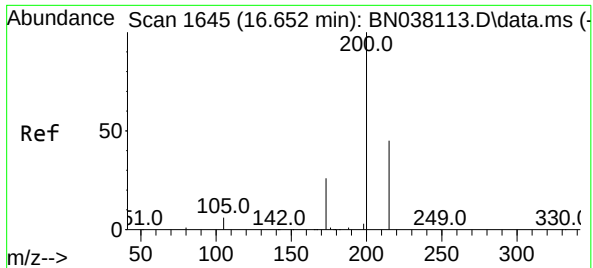
Tgt Ion	Ratio	Lower	Upper
248	100		
250	103.1	76.2	114.2
141	42.4	57.6	86.4



#22
Hexachlorobenzene
Concen: 0.382 ng
RT: 16.503 min Scan# 1633
Delta R.T. -0.000 min
Lab File: BN038152.D
Acq: 07 Nov 2025 13:44

Tgt Ion	Ratio	Lower	Upper
284	100		
142	38.3	30.5	45.7
249	30.6	23.5	35.3

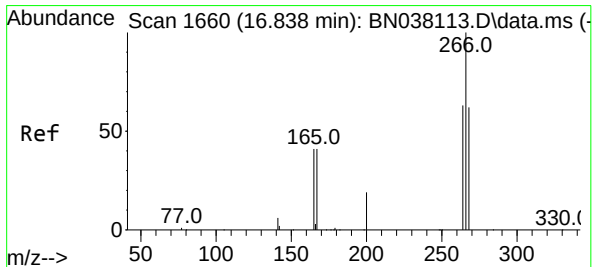
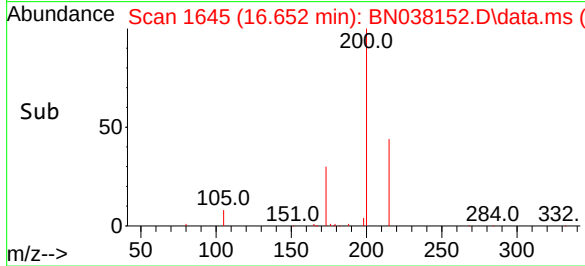
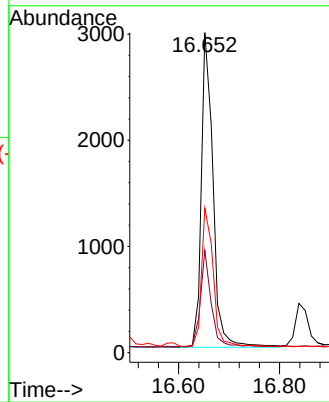
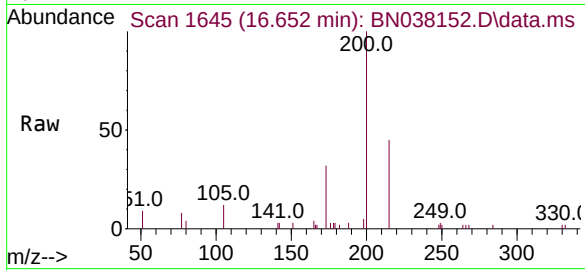




#23
Atrazine
Concen: 0.348 ng
RT: 16.652 min Scan# 1645
Delta R.T. -0.000 min
Lab File: BN038152.D
Acq: 07 Nov 2025 13:44

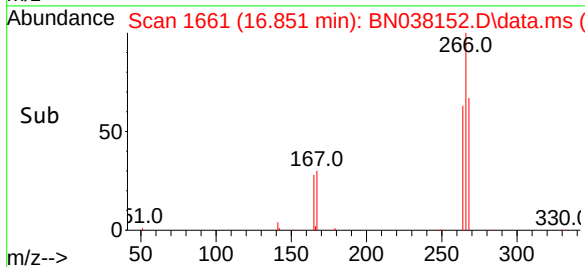
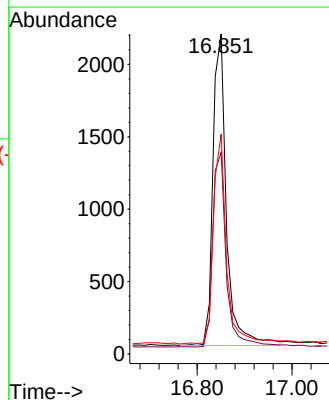
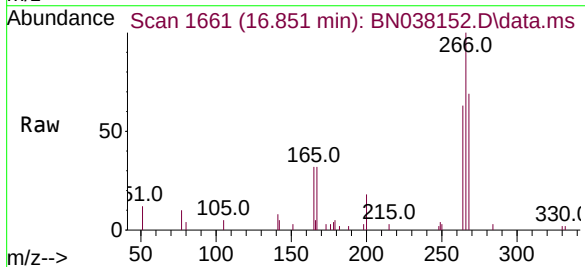
Instrument :
BNA_N
ClientSampleId :
PB170427BS

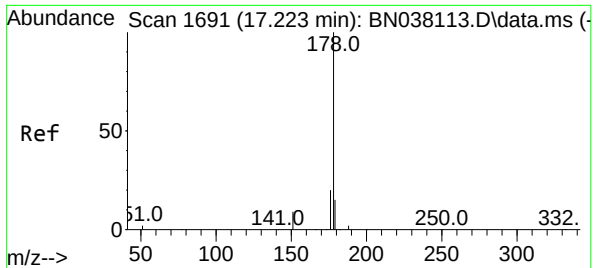
Tgt Ion:200 Resp: 4722
Ion Ratio Lower Upper
200 100
173 31.9 21.4 32.2
215 45.2 36.7 55.1



#24
Pentachlorophenol
Concen: 0.468 ng
RT: 16.851 min Scan# 1661
Delta R.T. 0.012 min
Lab File: BN038152.D
Acq: 07 Nov 2025 13:44

Tgt Ion:266 Resp: 4254
Ion Ratio Lower Upper
266 100
264 62.8 49.3 73.9
268 65.7 50.6 75.8

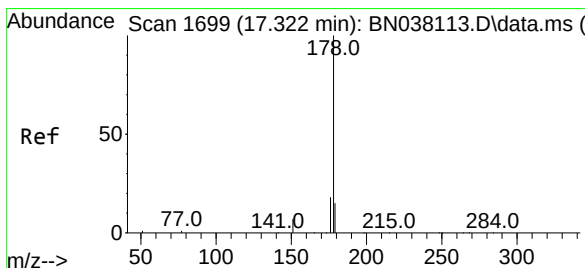
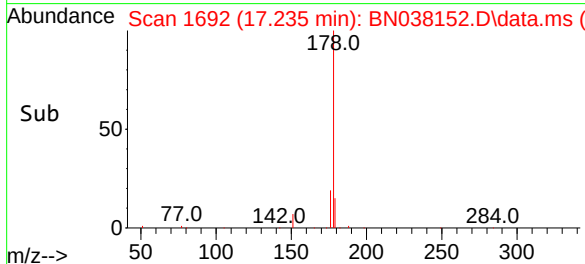
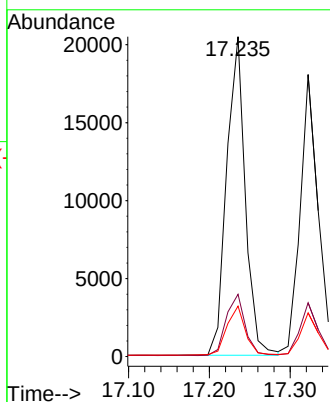
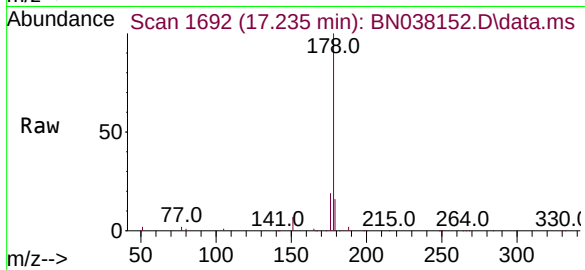




#25
Phenanthrene
Concen: 0.365 ng
RT: 17.235 min Scan# 1692
Delta R.T. 0.012 min
Lab File: BN038152.D
Acq: 07 Nov 2025 13:44

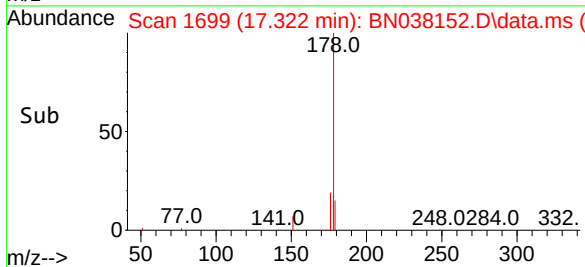
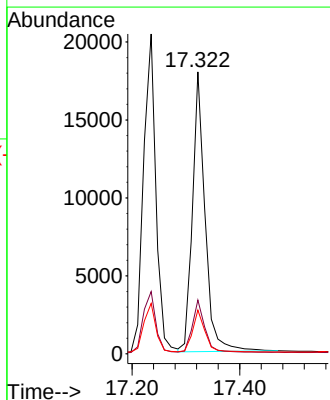
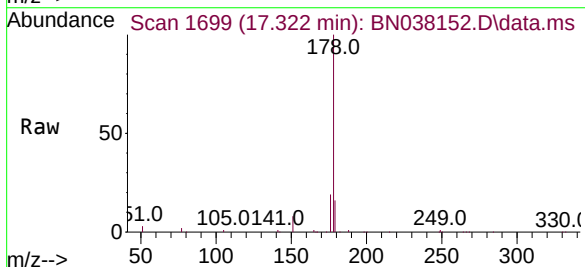
Instrument :
BNA_N
ClientSampleId :
PB170427BS

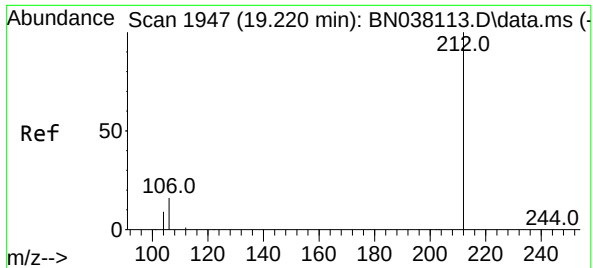
Tgt Ion:178 Resp: 32744
Ion Ratio Lower Upper
178 100
176 19.7 15.5 23.3
179 15.5 12.2 18.4



#26
Anthracene
Concen: 0.370 ng
RT: 17.322 min Scan# 1699
Delta R.T. -0.000 min
Lab File: BN038152.D
Acq: 07 Nov 2025 13:44

Tgt Ion:178 Resp: 29076
Ion Ratio Lower Upper
178 100
176 18.8 14.9 22.3
179 15.1 11.8 17.8





#27

Fluoranthene-d10

Concen: 0.335 ng

RT: 19.225 min Scan# 1948

Delta R.T. 0.005 min

Lab File: BN038152.D

Acq: 07 Nov 2025 13:44

Instrument :

BNA_N

ClientSampleId :

PB170427BS

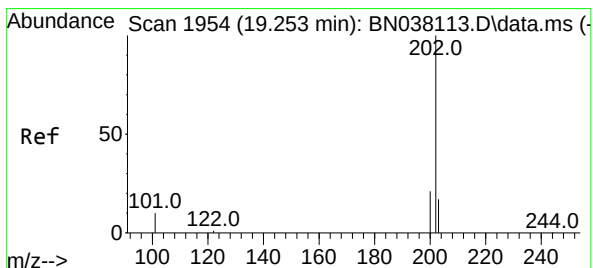
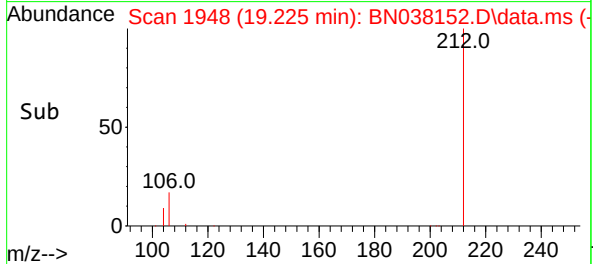
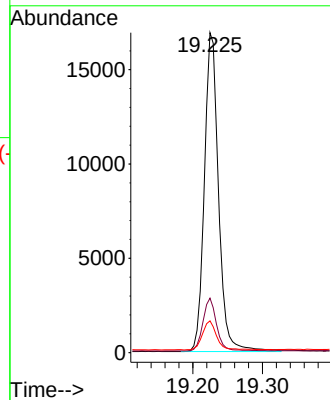
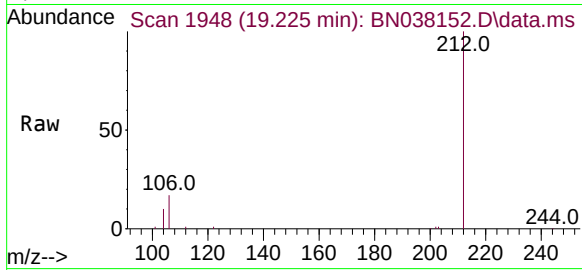
Tgt Ion:212 Resp: 23866

Ion Ratio Lower Upper

212 100

106 16.1 12.6 19.0

104 9.0 7.1 10.7



#28

Fluoranthene

Concen: 0.335 ng

RT: 19.257 min Scan# 1955

Delta R.T. 0.005 min

Lab File: BN038152.D

Acq: 07 Nov 2025 13:44

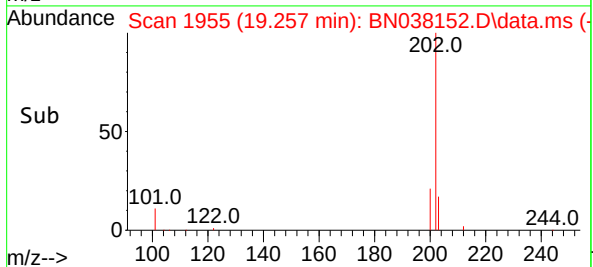
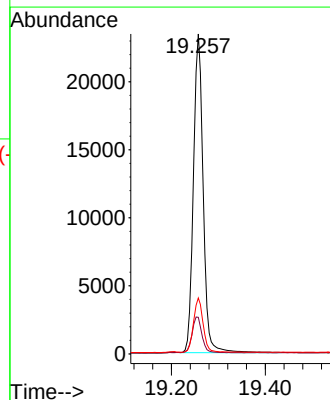
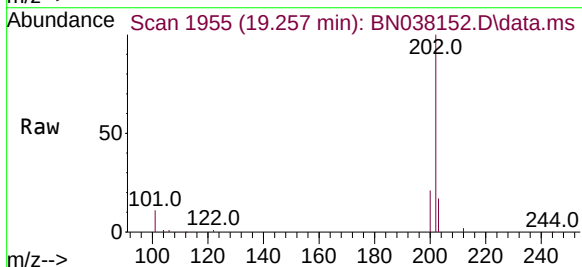
Tgt Ion:202 Resp: 33640

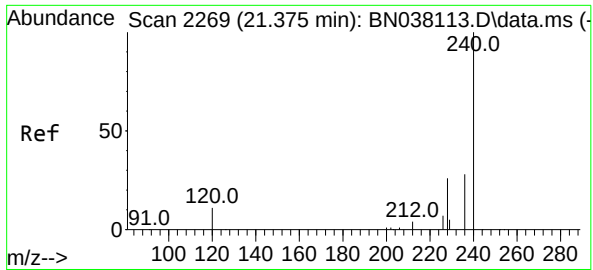
Ion Ratio Lower Upper

202 100

101 11.5 9.4 14.2

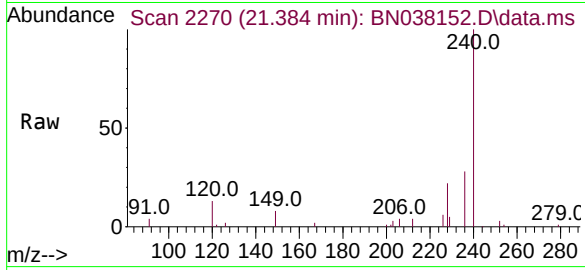
203 16.6 13.4 20.2



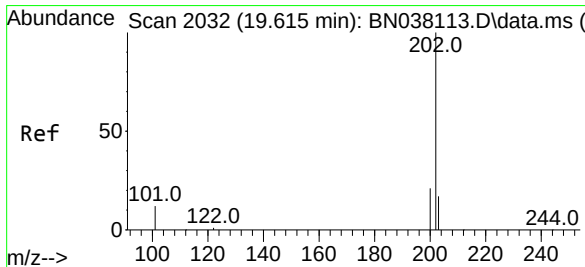
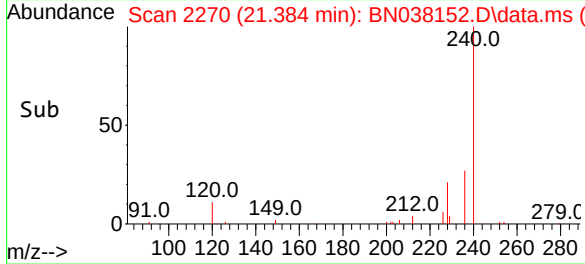
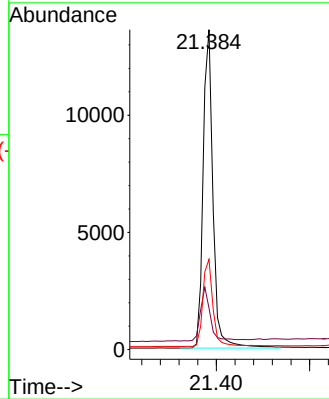


#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.384 min Scan# 21
Delta R.T. 0.009 min
Lab File: BN038152.D
Acq: 07 Nov 2025 13:44

Instrument :
BNA_N
ClientSampleId :
PB170427BS

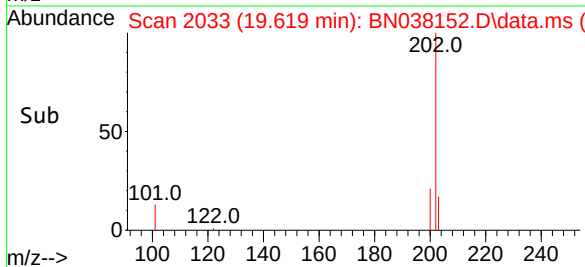
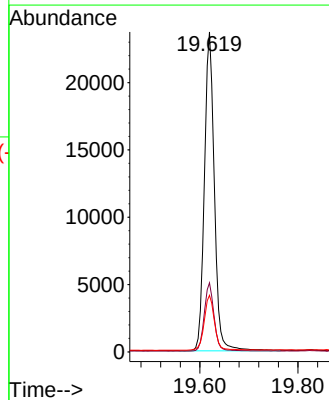
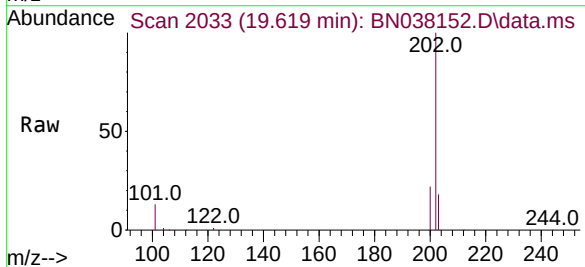


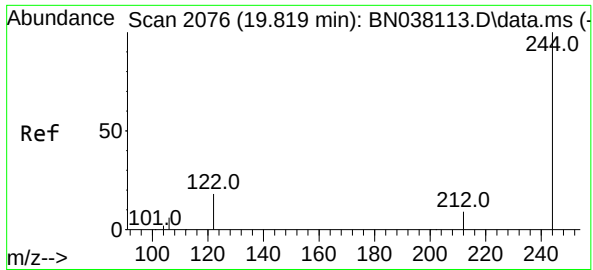
Tgt Ion:240 Resp: 19896
Ion Ratio Lower Upper
240 100
120 13.0 10.7 16.1
236 28.2 23.1 34.7



#30
Pyrene
Concen: 0.371 ng
RT: 19.619 min Scan# 2033
Delta R.T. 0.009 min
Lab File: BN038152.D
Acq: 07 Nov 2025 13:44

Tgt Ion:202 Resp: 33342
Ion Ratio Lower Upper
202 100
200 21.0 16.7 25.1
203 17.8 14.2 21.2

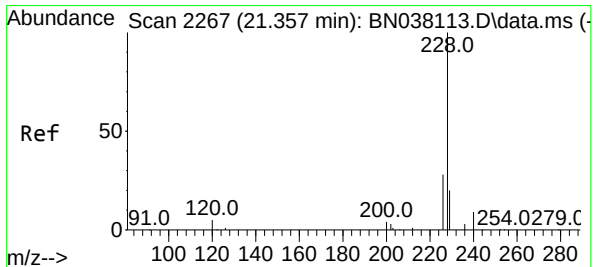
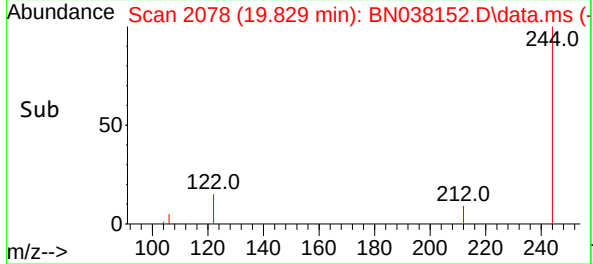
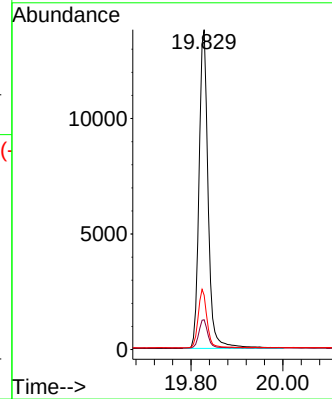
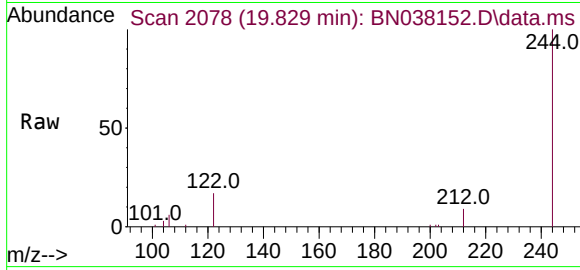




#31
Terphenyl-d14
Concen: 0.439 ng
RT: 19.829 min Scan# 2076
Delta R.T. 0.009 min
Lab File: BN038152.D
Acq: 07 Nov 2025 13:44

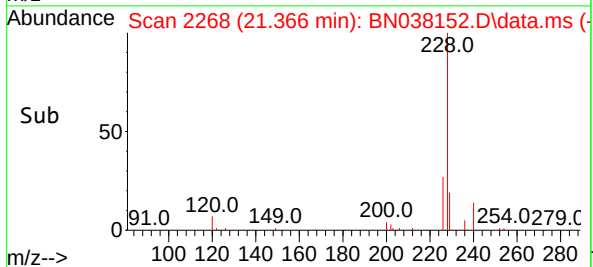
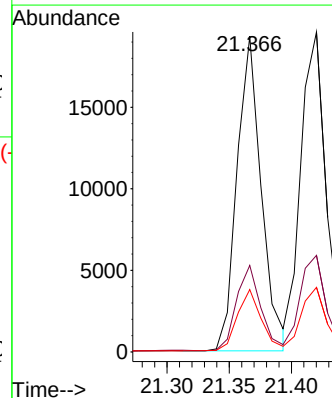
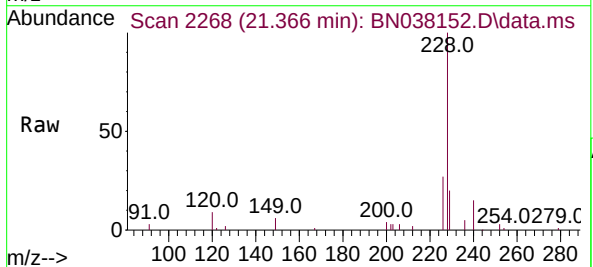
Instrument :
BNA_N
ClientSampleId :
PB170427BS

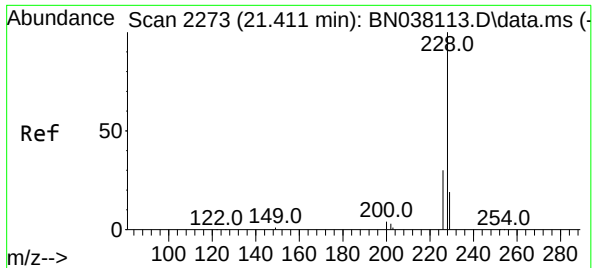
Tgt Ion:244 Resp: 18959
Ion Ratio Lower Upper
244 100
212 9.3 7.8 11.6
122 17.0 15.2 22.8



#32
Benzo(a)anthracene
Concen: 0.369 ng
RT: 21.366 min Scan# 2268
Delta R.T. 0.009 min
Lab File: BN038152.D
Acq: 07 Nov 2025 13:44

Tgt Ion:228 Resp: 26226
Ion Ratio Lower Upper
228 100
226 27.4 22.2 33.4
229 19.7 15.8 23.8

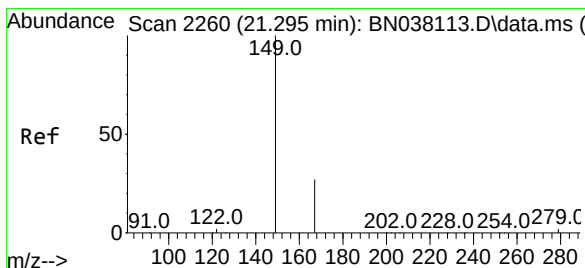
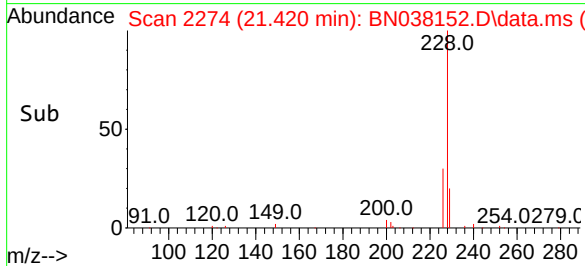
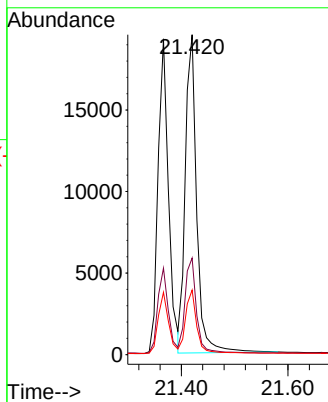
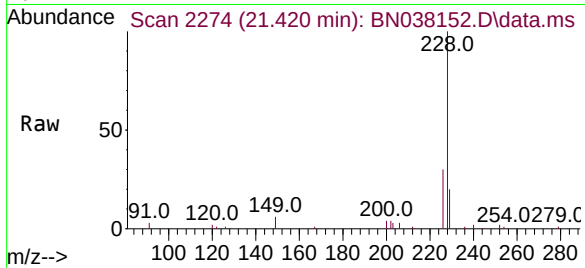




#33
Chrysene
Concen: 0.377 ng
RT: 21.420 min Scan# 21
Delta R.T. 0.009 min
Lab File: BN038152.D
Acq: 07 Nov 2025 13:44

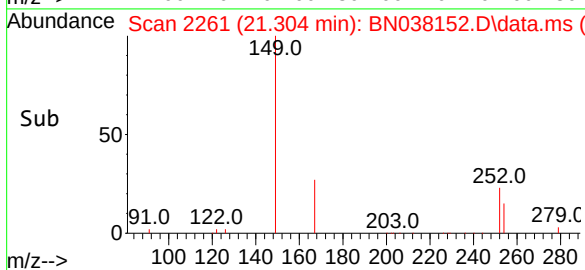
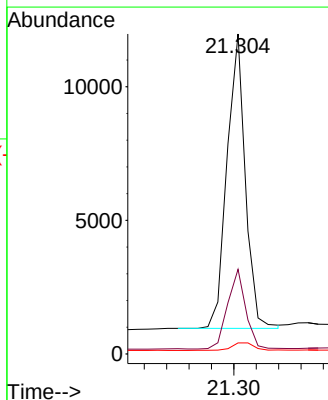
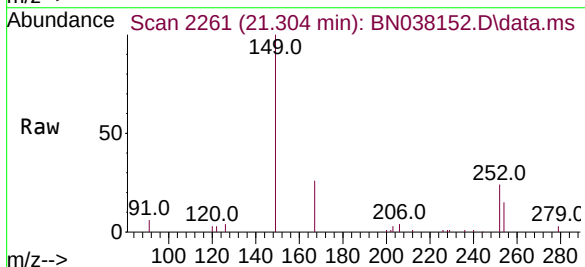
Instrument :
BNA_N
ClientSampleId :
PB170427BS

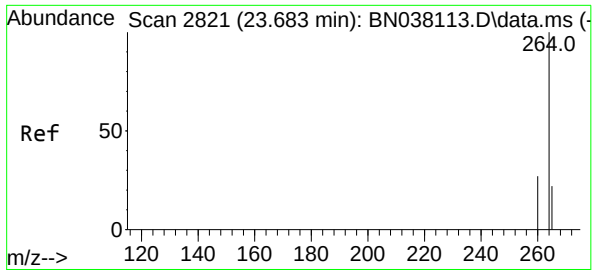
Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.2	24.3	36.5
229	20.2	15.7	23.5



#34
Bis(2-ethylhexyl)phthalate
Concen: 0.335 ng
RT: 21.304 min Scan# 2261
Delta R.T. 0.009 min
Lab File: BN038152.D
Acq: 07 Nov 2025 13:44

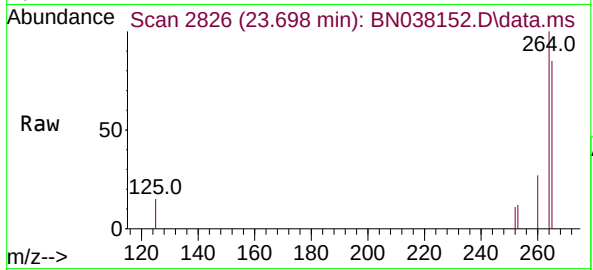
Tgt Ion	Ratio	Lower	Upper
149	100		
167	26.8	21.1	31.7
279	3.3	2.9	4.3



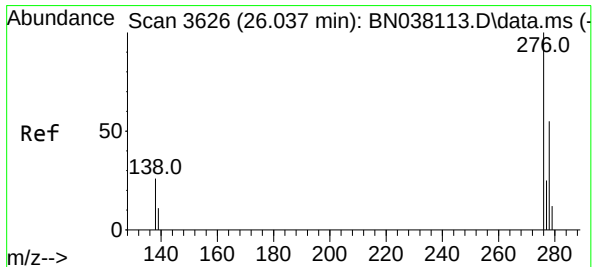
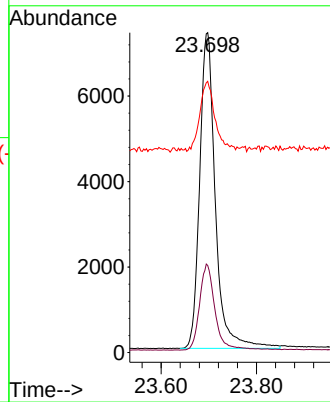
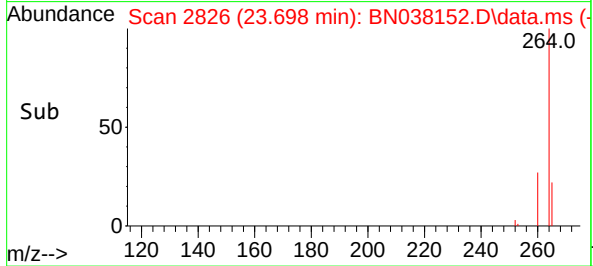


#35
Perylene-d12
Concen: 0.400 ng
RT: 23.698 min Scan# 2821
Delta R.T. 0.017 min
Lab File: BN038152.D
Acq: 07 Nov 2025 13:44

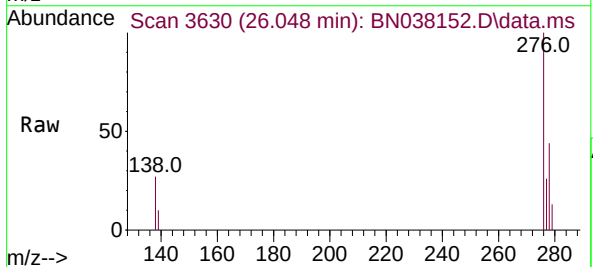
Instrument :
BNA_N
ClientSampleId :
PB170427BS



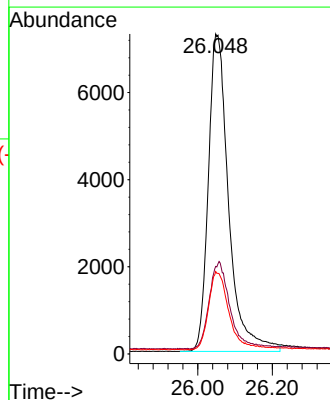
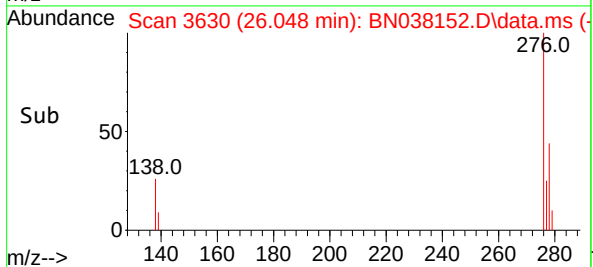
Tgt Ion:264 Resp: 16901
Ion Ratio Lower Upper
264 100
260 27.2 21.8 32.8
265 84.8 68.6 102.8

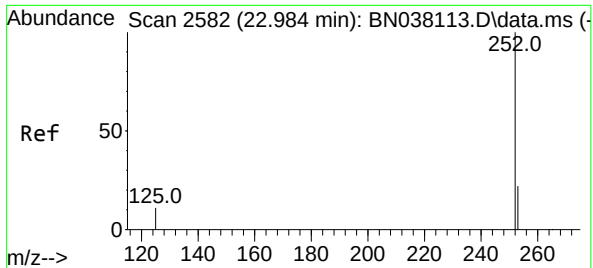


#36
Indeno(1,2,3-cd)pyrene
Concen: 0.397 ng
RT: 26.048 min Scan# 3630
Delta R.T. 0.015 min
Lab File: BN038152.D
Acq: 07 Nov 2025 13:44



Tgt Ion:276 Resp: 27599
Ion Ratio Lower Upper
276 100
138 28.0 21.4 32.0
277 24.3 19.2 28.8





#37

Benzo(b)fluoranthene

Concen: 0.353 ng

RT: 22.996 min Scan# 21

Delta R.T. 0.015 min

Lab File: BN038152.D

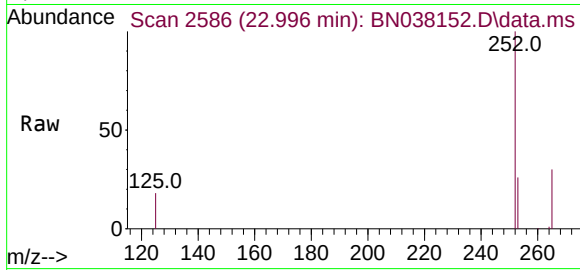
Acq: 07 Nov 2025 13:44

Instrument :

BNA_N

ClientSampleId :

PB170427BS



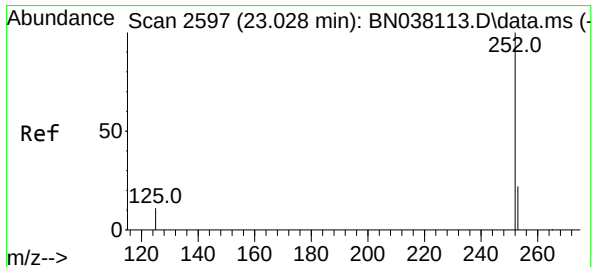
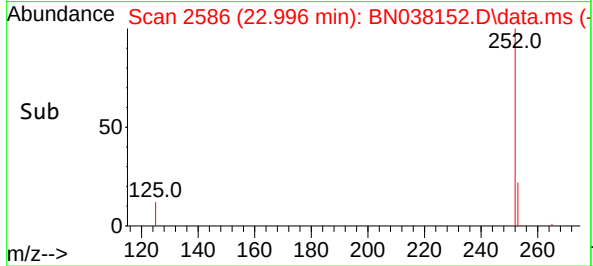
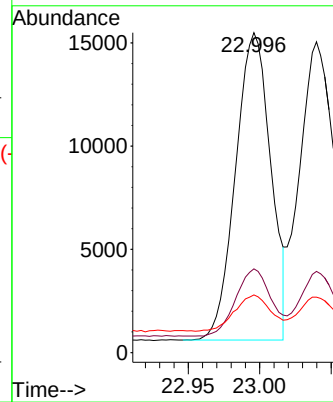
Tgt Ion:252 Resp: 25492

Ion Ratio Lower Upper

252 100

253 26.2 20.9 31.3

125 18.0 14.1 21.1



#38

Benzo(k)fluoranthene

Concen: 0.374 ng

RT: 23.040 min Scan# 2601

Delta R.T. 0.012 min

Lab File: BN038152.D

Acq: 07 Nov 2025 13:44

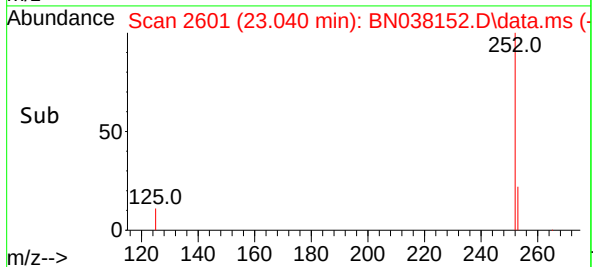
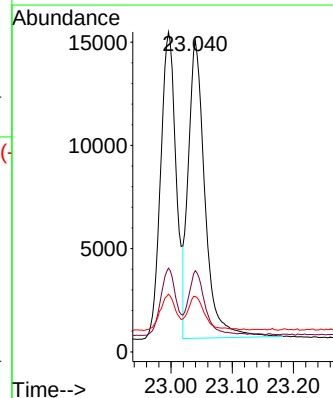
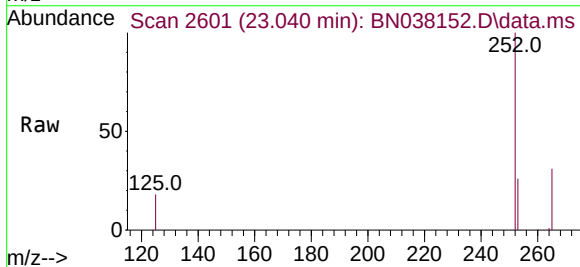
Tgt Ion:252 Resp: 27198

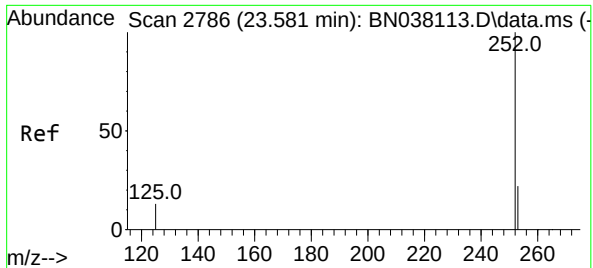
Ion Ratio Lower Upper

252 100

253 26.2 21.2 31.8

125 17.8 14.6 22.0





#39

Benzo(a)pyrene

Concen: 0.389 ng

RT: 23.589 min Scan# 21

Delta R.T. 0.012 min

Lab File: BN038152.D

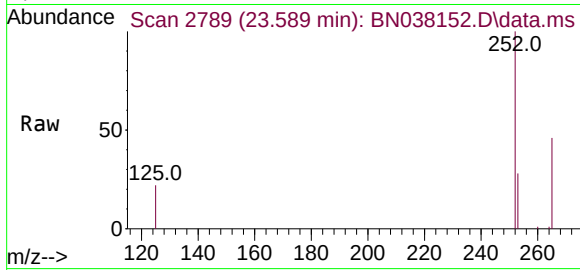
Acq: 07 Nov 2025 13:44

Instrument :

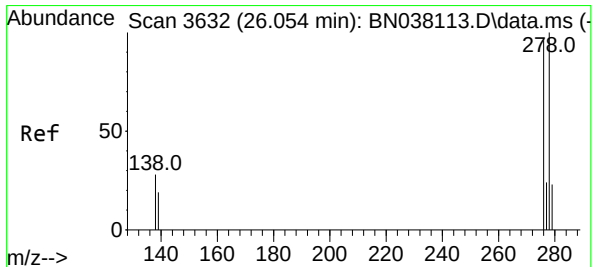
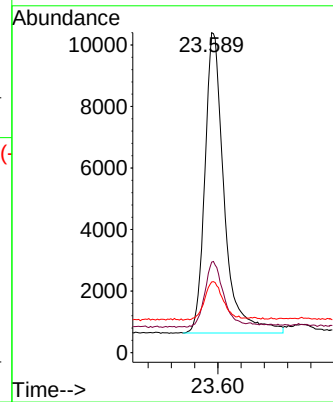
BNA_N

ClientSampleId :

PB170427BS



Tgt Ion:	252	Resp:	22526
Ion Ratio	Lower	Upper	
252	100		
253	28.3	23.1	34.7
125	22.1	18.6	28.0



#40

Dibenzo(a,h)anthracene

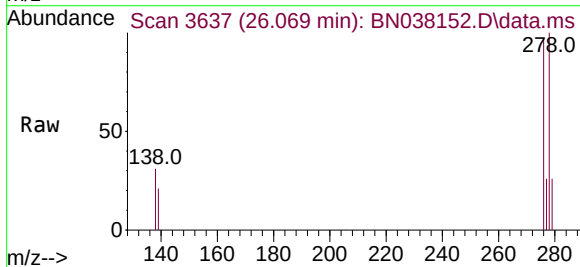
Concen: 0.401 ng

RT: 26.069 min Scan# 3637

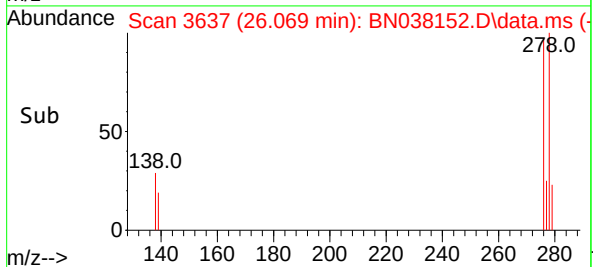
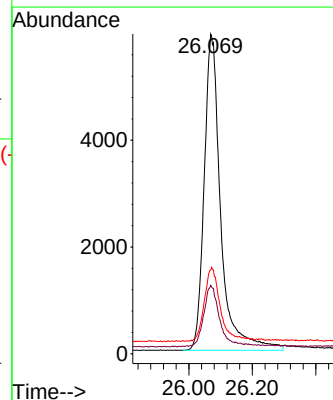
Delta R.T. 0.020 min

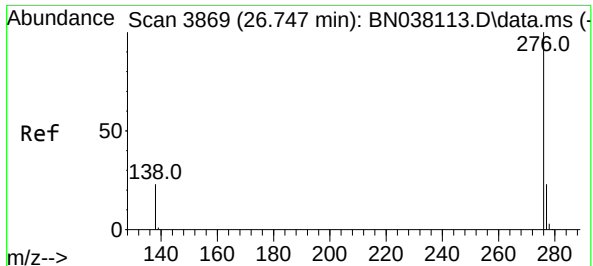
Lab File: BN038152.D

Acq: 07 Nov 2025 13:44



Tgt Ion:	278	Resp:	21440
Ion Ratio	Lower	Upper	
278	100		
139	21.4	17.6	26.4
279	26.2	22.6	33.8





#41

Benzo(g,h,i)perylene

Concen: 0.389 ng

RT: 26.770 min Scan# 38

Delta R.T. 0.020 min

Lab File: BN038152.D

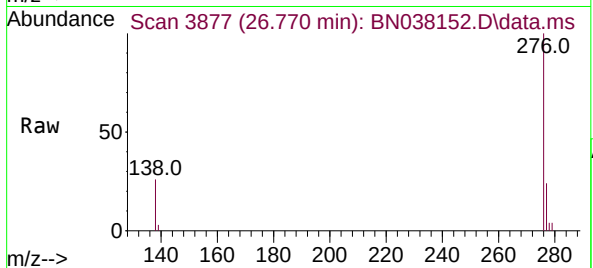
Acq: 07 Nov 2025 13:44

Instrument :

BNA_N

ClientSampleId :

PB170427BS



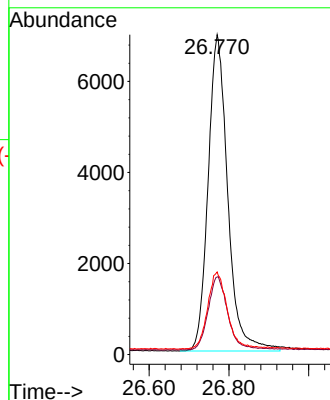
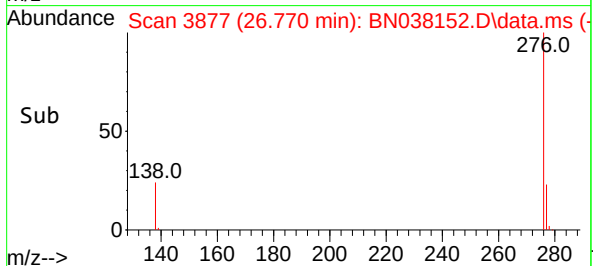
Tgt Ion:276 Resp: 23733

Ion Ratio Lower Upper

276 100

277 24.2 19.7 29.5

138 25.9 20.2 30.4





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

Report of Analysis

Client:	Remington & Vernick Engineers		Date Collected:	
Project:	Edison Landfill		Date Received:	
Client Sample ID:	PB170427BSD		SDG No.:	Q3534
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

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)

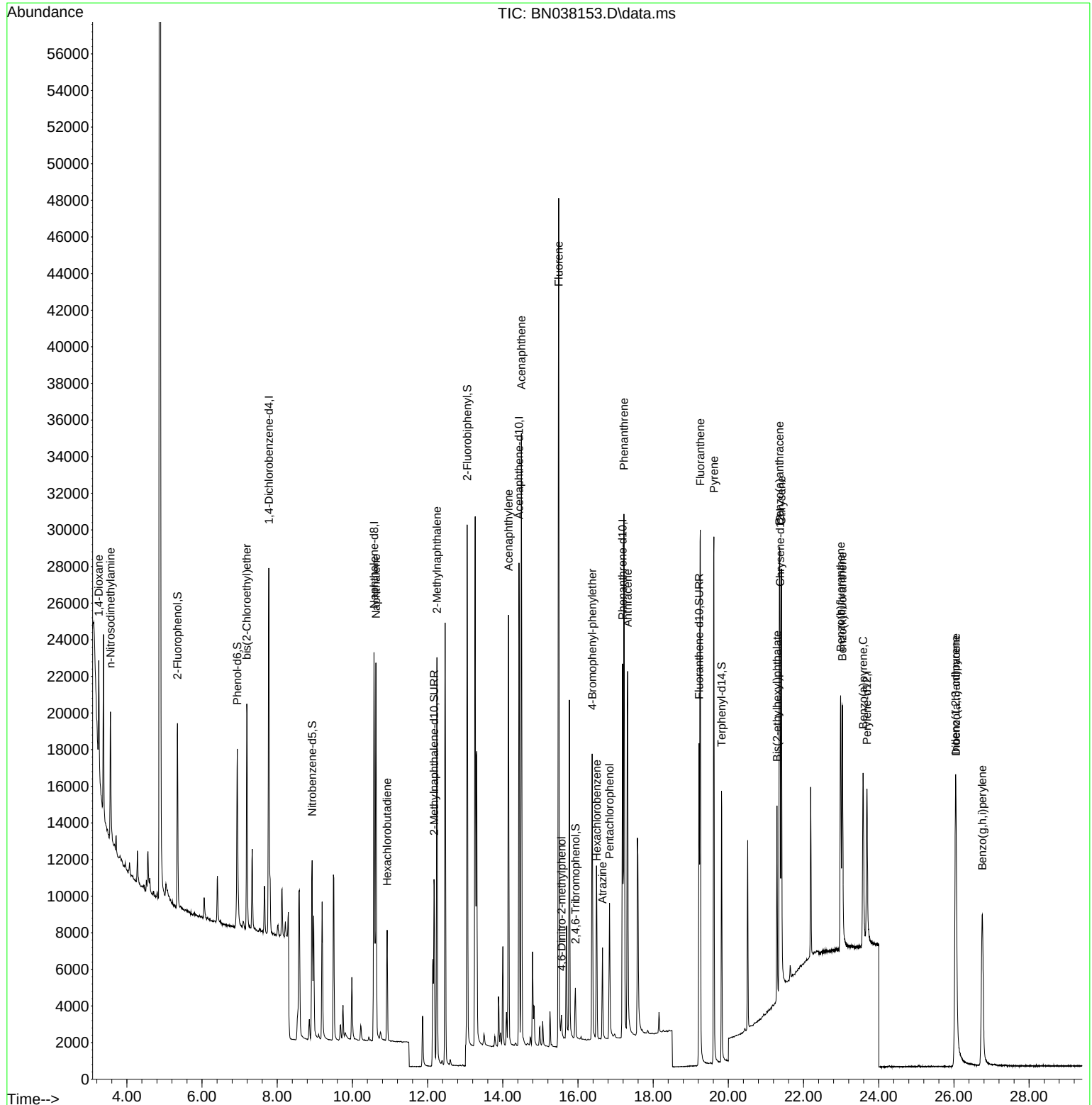
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.775	152	10026	0.400	ng	0.00
7) Naphthalene-d8	10.573	136	28983	0.400	ng	# 0.00
13) Acenaphthene-d10	14.430	164	15515	0.400	ng	0.00
19) Phenanthrene-d10	17.186	188	27421	0.400	ng	0.00
29) Chrysene-d12	21.375	240	14748	0.400	ng	0.00
35) Perylene-d12	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						Qvalue
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

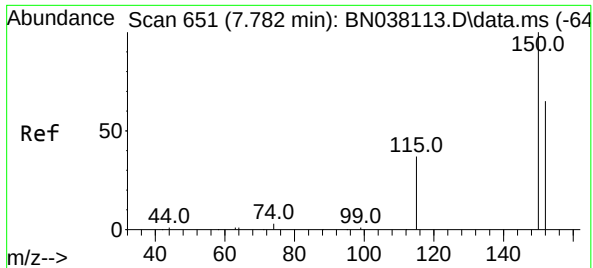
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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

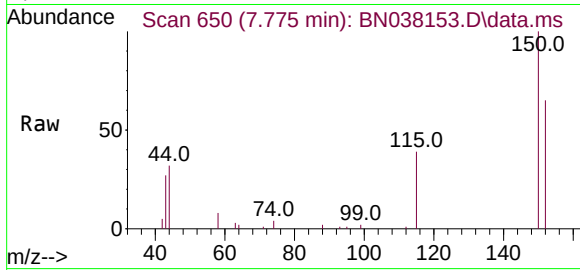
Quant Time: Nov 07 14:43:59 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN102825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Oct 29 13:09:46 2025
Response via : Initial Calibration



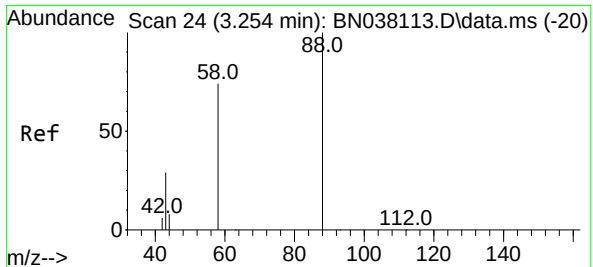
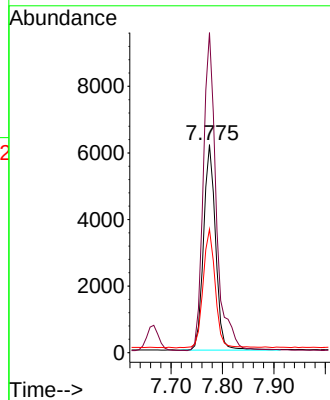
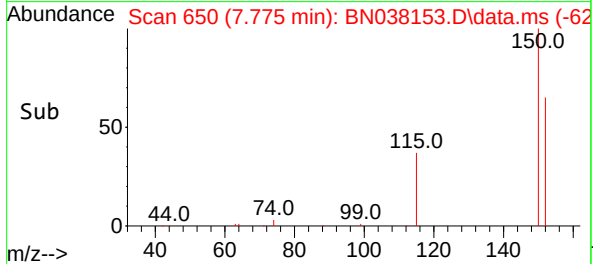


#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.775 min Scan# 61
Delta R.T. -0.000 min
Lab File: BN038153.D
Acq: 07 Nov 2025 14:20

Instrument :
BNA_N
ClientSampleId :
PB170427BSD

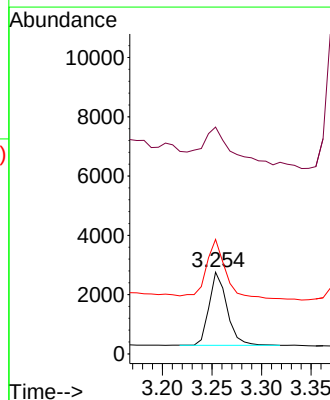
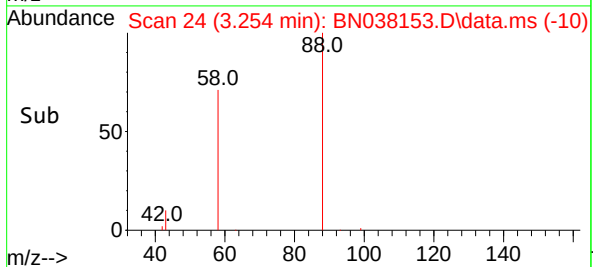
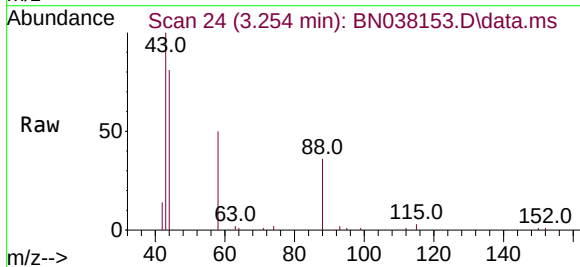


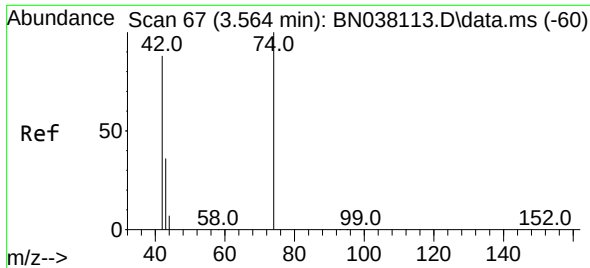
Tgt Ion:152 Resp: 10026
Ion Ratio Lower Upper
152 100
150 153.9 122.3 183.5
115 59.3 47.4 71.0



#2
1,4-Dioxane
Concen: 0.300 ng
RT: 3.254 min Scan# 24
Delta R.T. -0.000 min
Lab File: BN038153.D
Acq: 07 Nov 2025 14:20

Tgt Ion: 88 Resp: 3107
Ion Ratio Lower Upper
88 100
43 77.8 24.3 36.5#
58 90.5 60.4 90.6

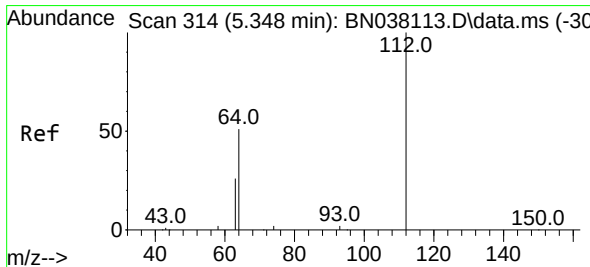
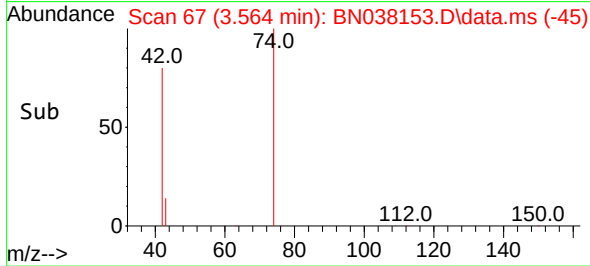
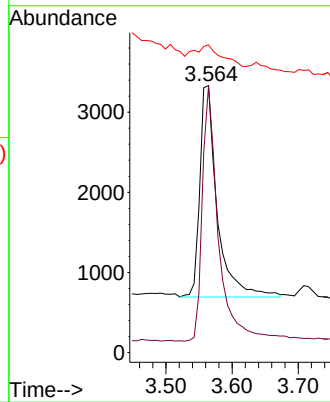
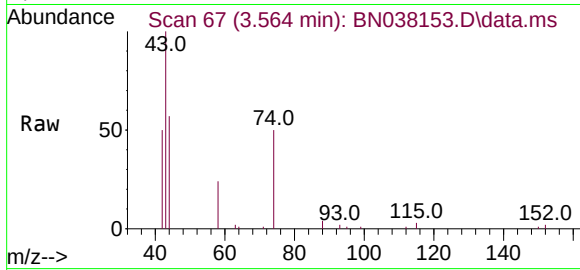




#3
n-Nitrosodimethylamine
Concen: 0.362 ng
RT: 3.564 min Scan# 61
Delta R.T. 0.007 min
Lab File: BN038153.D
Acq: 07 Nov 2025 14:20

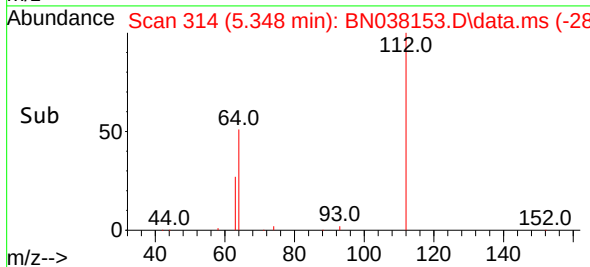
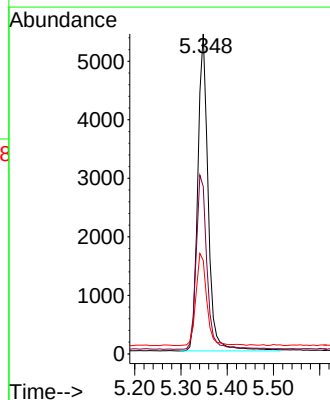
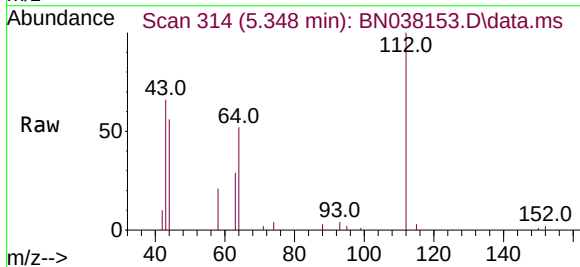
Instrument :
BNA_N
ClientSampleId :
PB170427BSD

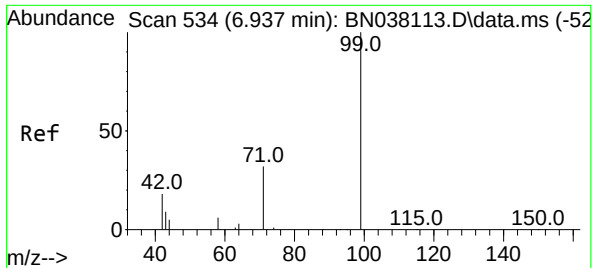
Tgt Ion: 42 Resp: 4828
Ion Ratio Lower Upper
42 100
74 112.6 96.8 145.2
44 10.8 5.3 7.9#



#4
2-Fluorophenol
Concen: 0.356 ng
RT: 5.348 min Scan# 314
Delta R.T. -0.000 min
Lab File: BN038153.D
Acq: 07 Nov 2025 14:20

Tgt Ion: 112 Resp: 8412
Ion Ratio Lower Upper
112 100
64 56.9 45.4 68.0
63 29.9 23.2 34.8

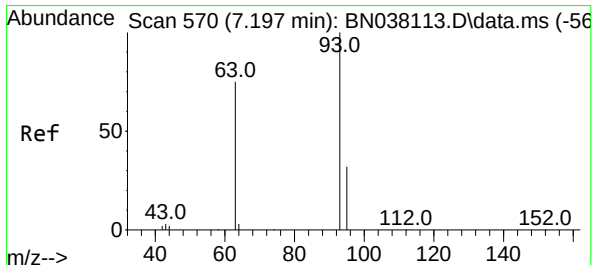
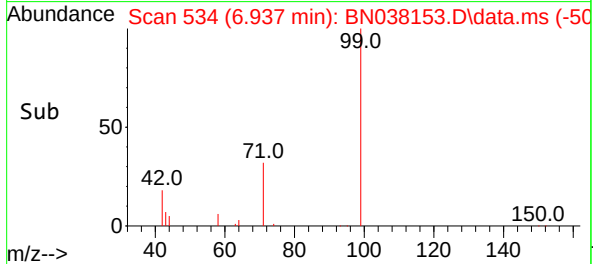
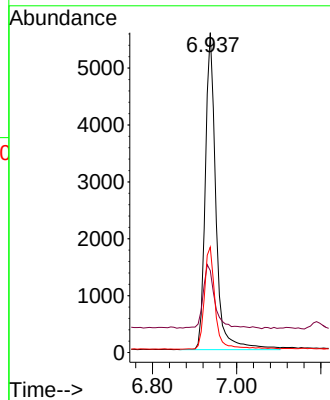
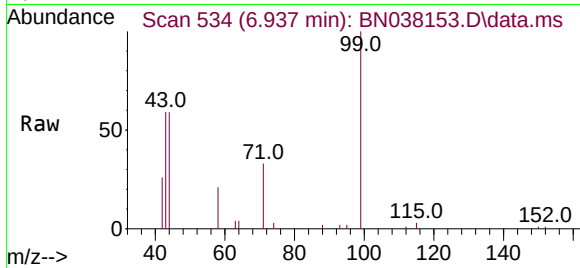




#5
Phenol-d6
Concen: 0.339 ng
RT: 6.937 min Scan# 534
Delta R.T. -0.000 min
Lab File: BN038153.D
Acq: 07 Nov 2025 14:20

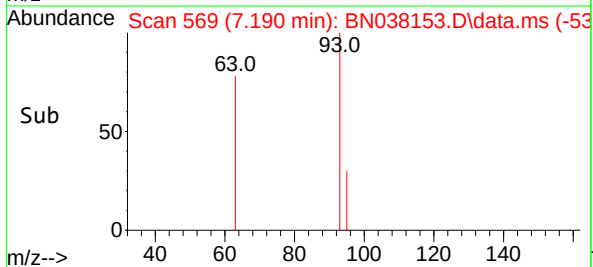
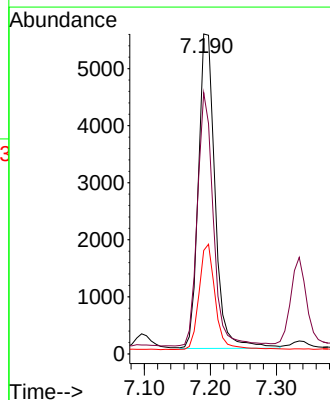
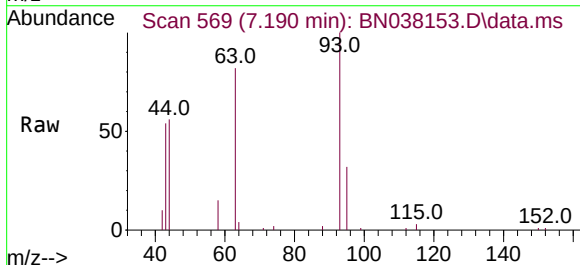
Instrument :
BNA_N
ClientSampleId :
PB170427BSD

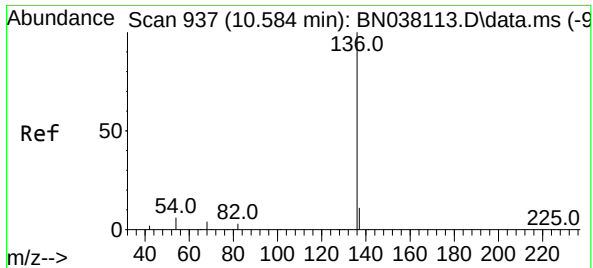
Tgt Ion	Ratio	Lower	Upper
99	100		
42	21.6	16.6	24.8
71	33.0	25.4	38.2



#6
bis(2-Chloroethyl)ether
Concen: 0.342 ng
RT: 7.190 min Scan# 569
Delta R.T. -0.007 min
Lab File: BN038153.D
Acq: 07 Nov 2025 14:20

Tgt Ion	Ratio	Lower	Upper
93	100		
63	76.7	59.3	88.9
95	32.6	25.2	37.8

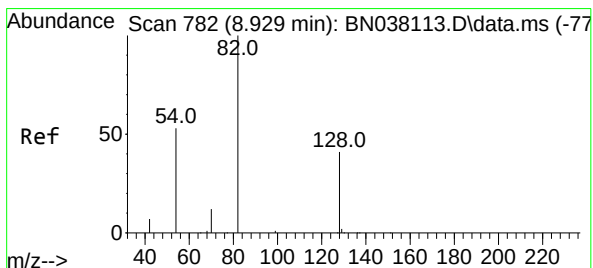
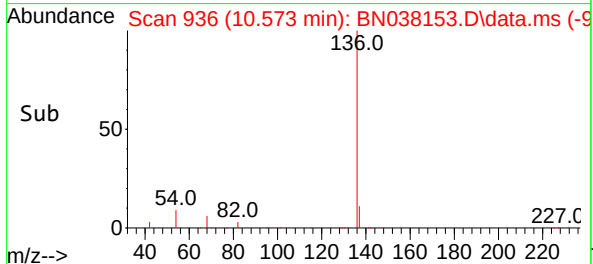
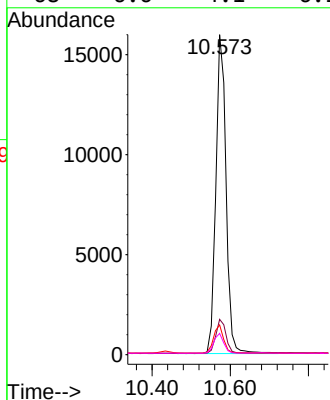
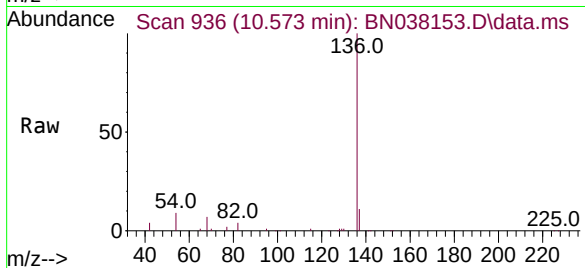




#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.573 min Scan# 931
Delta R.T. -0.000 min
Lab File: BN038153.D
Acq: 07 Nov 2025 14:20

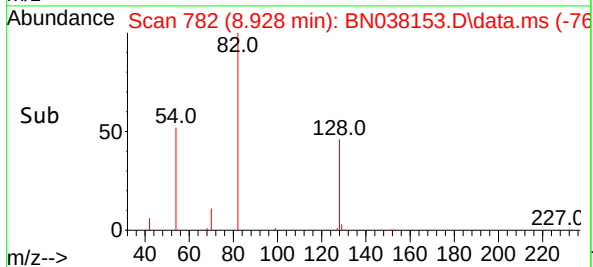
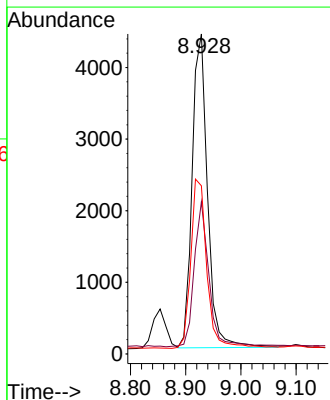
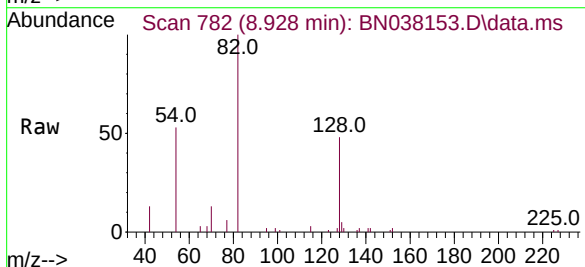
Instrument :
BNA_N
ClientSampleId :
PB170427BSD

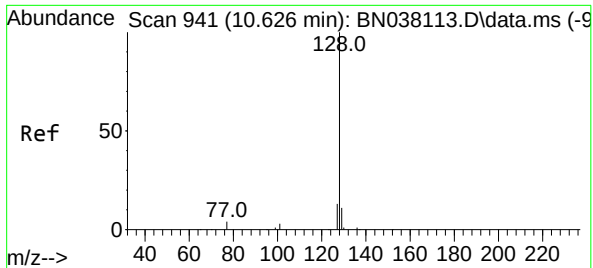
Tgt Ion	136	137	54	68
Resp:	28983			
Ratio	100	11.0	9.3	6.6
Lower		9.0	5.2	4.1
Upper		13.4	7.8#	6.1#



#8
Nitrobenzene-d5
Concen: 0.363 ng
RT: 8.928 min Scan# 782
Delta R.T. -0.000 min
Lab File: BN038153.D
Acq: 07 Nov 2025 14:20

Tgt Ion	82	128	54
Resp:	8483		
Ratio	100	47.5	52.5
Lower		34.1	43.5
Upper		51.1	65.3

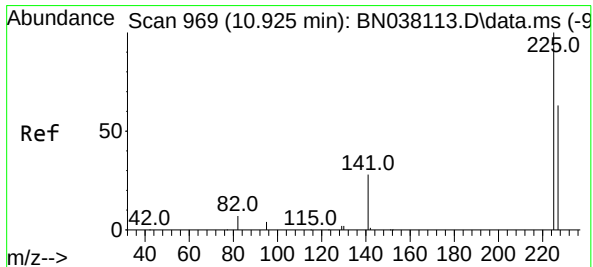
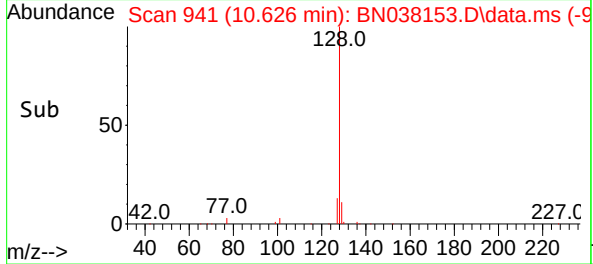
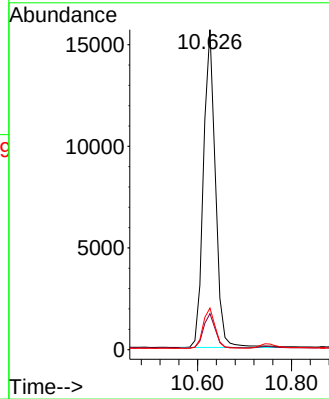
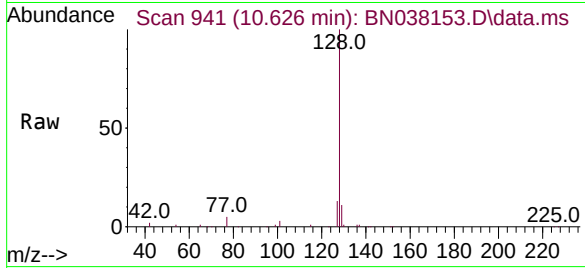




#9
Naphthalene
Concen: 0.347 ng
RT: 10.626 min Scan# 941
Delta R.T. -0.000 min
Lab File: BN038153.D
Acq: 07 Nov 2025 14:20

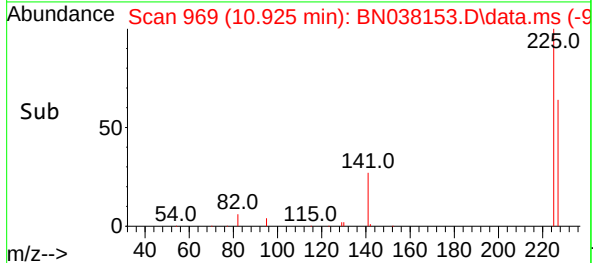
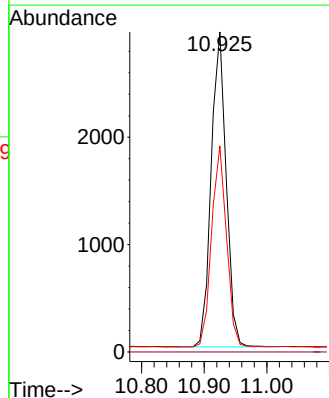
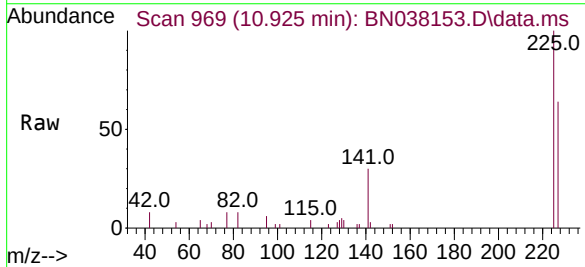
Instrument :
BNA_N
ClientSampleId :
PB170427BSD

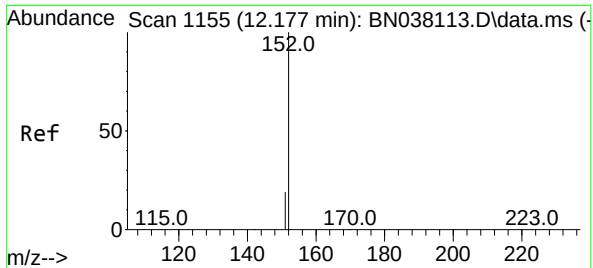
Tgt Ion	128	129	127
Resp:	27698		
Ion Ratio	100	11.2	13.0
Lower		9.1	10.5
Upper		13.7	15.7



#10
Hexachlorobutadiene
Concen: 0.363 ng
RT: 10.925 min Scan# 969
Delta R.T. -0.000 min
Lab File: BN038153.D
Acq: 07 Nov 2025 14:20

Tgt Ion	225	223	227
Resp:	4883		
Ion Ratio	100	0.0	63.6
Lower		0.0	50.3
Upper		0.0	75.5

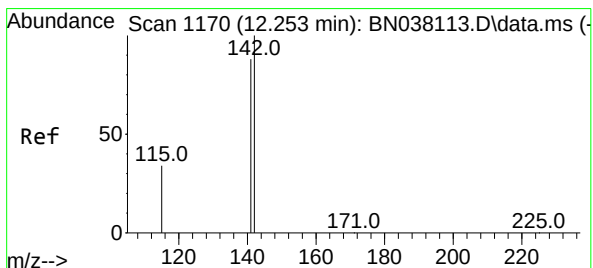
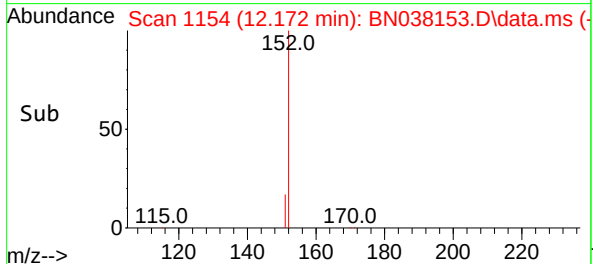
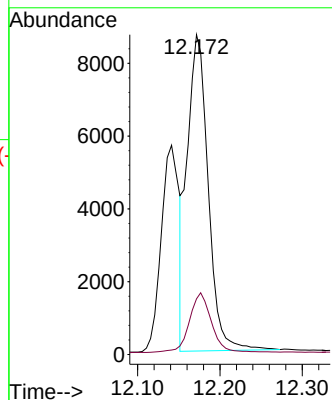
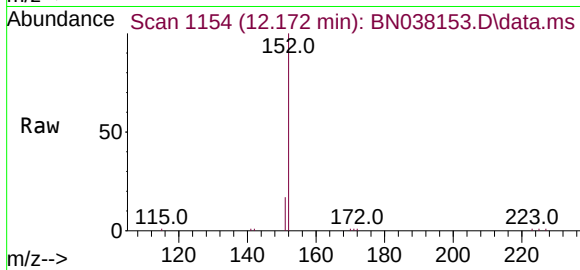




#11
2-Methylnaphthalene-d10
Concen: 0.370 ng
RT: 12.172 min Scan# 1154
Delta R.T. -0.005 min
Lab File: BN038153.D
Acq: 07 Nov 2025 14:20

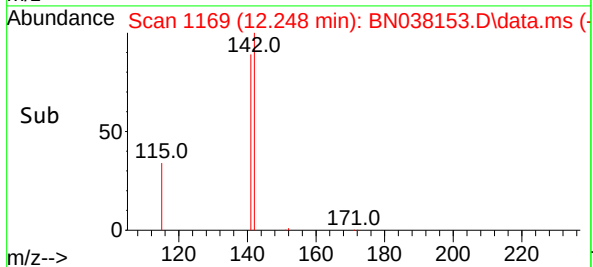
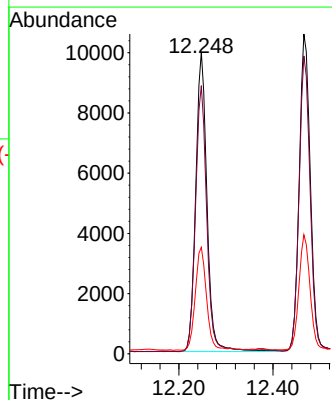
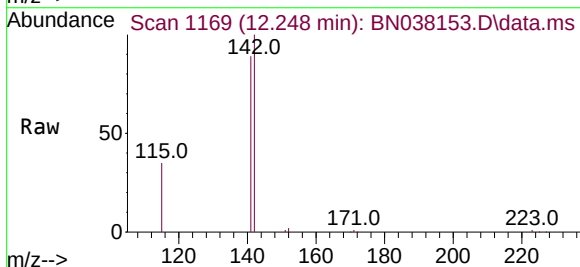
Instrument :
BNA_N
ClientSampleId :
PB170427BSD

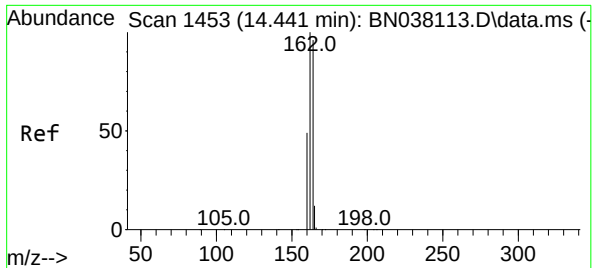
Tgt Ion:152 Resp: 15313
Ion Ratio Lower Upper
152 100
151 20.2 16.8 25.2



#12
2-Methylnaphthalene
Concen: 0.308 ng
RT: 12.248 min Scan# 1169
Delta R.T. -0.000 min
Lab File: BN038153.D
Acq: 07 Nov 2025 14:20

Tgt Ion:142 Resp: 16416
Ion Ratio Lower Upper
142 100
141 88.9 70.3 105.5
115 35.3 27.8 41.6

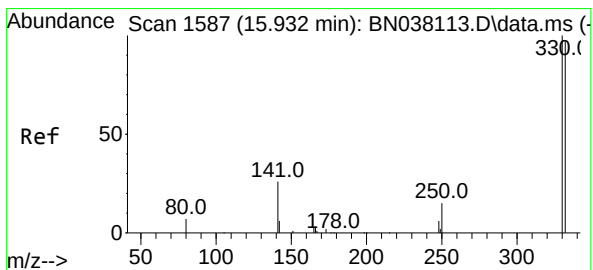
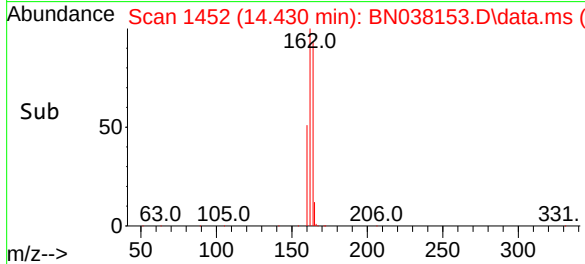
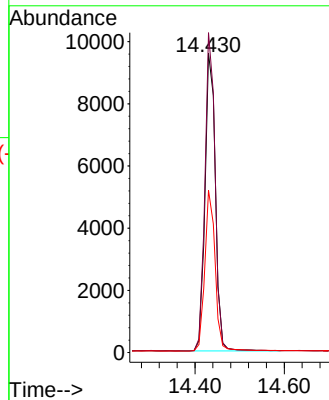
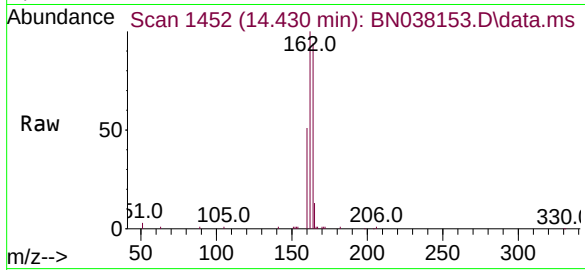




#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.430 min Scan# 1453
Delta R.T. -0.000 min
Lab File: BN038153.D
Acq: 07 Nov 2025 14:20

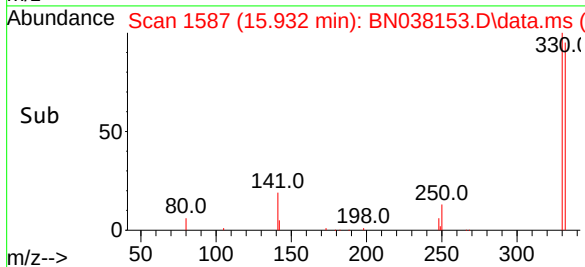
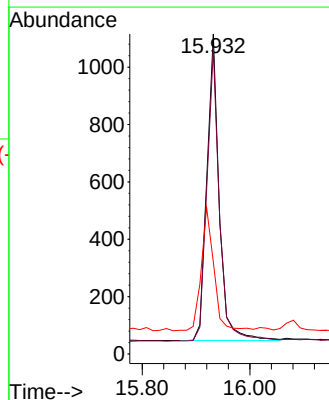
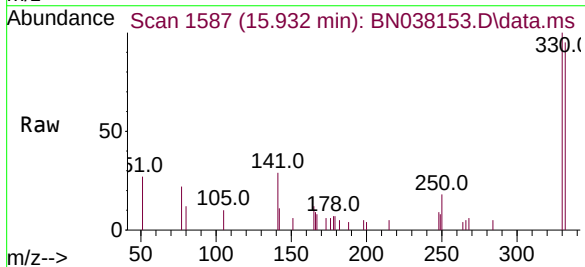
Instrument :
BNA_N
ClientSampleId :
PB170427BSD

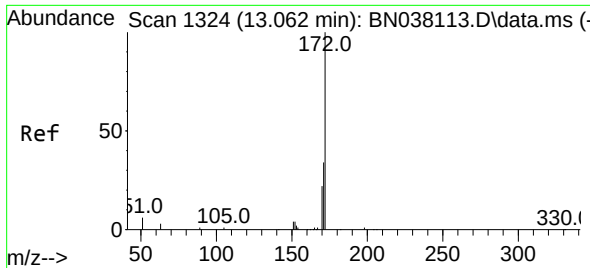
Tgt Ion:164 Resp: 15515
Ion Ratio Lower Upper
164 100
162 106.9 83.0 124.4
160 54.2 40.7 61.1



#14
2,4,6-Tribromophenol
Concen: 0.267 ng
RT: 15.932 min Scan# 1587
Delta R.T. -0.000 min
Lab File: BN038153.D
Acq: 07 Nov 2025 14:20

Tgt Ion:330 Resp: 1709
Ion Ratio Lower Upper
330 100
332 96.8 76.6 114.8
141 41.1 34.1 51.1

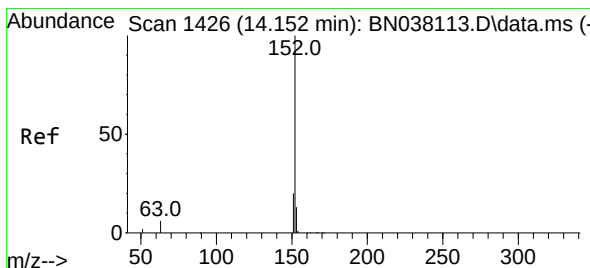
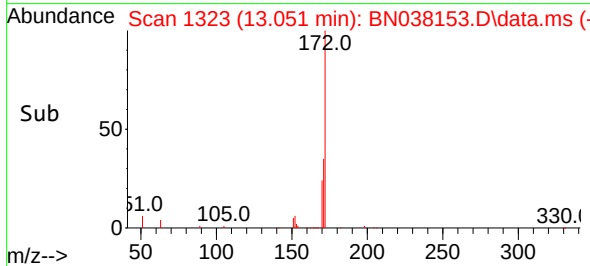
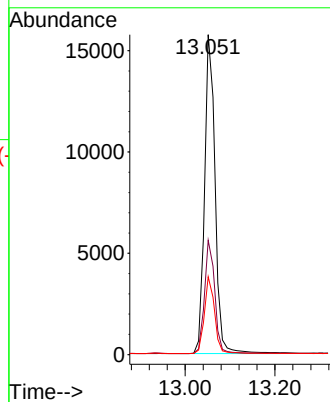
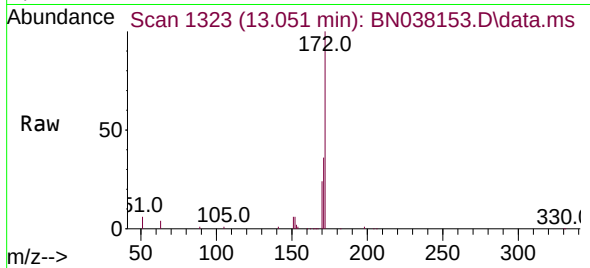




#15
2-Fluorobiphenyl
Concen: 0.377 ng
RT: 13.051 min Scan# 1323
Delta R.T. -0.000 min
Lab File: BN038153.D
Acq: 07 Nov 2025 14:20

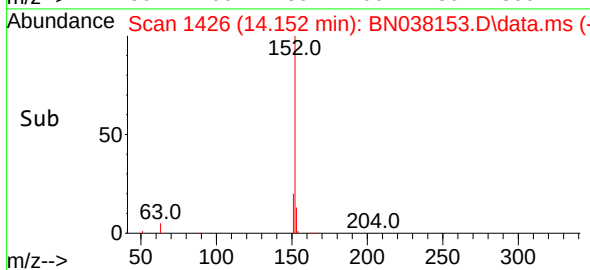
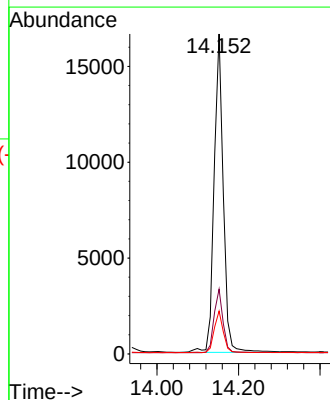
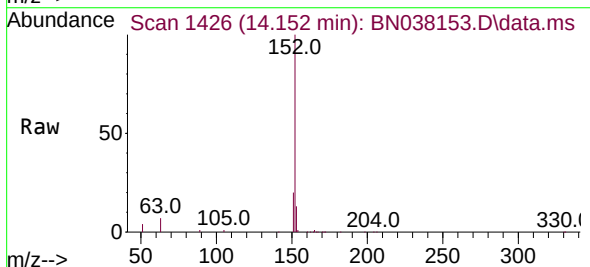
Instrument :
BNA_N
ClientSampleId :
PB170427BSD

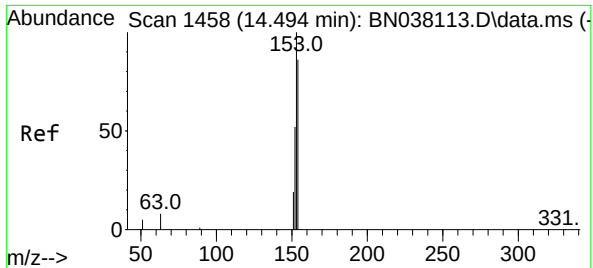
Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.7	27.8	41.6
170	24.3	18.1	27.1



#16
Acenaphthylene
Concen: 0.371 ng
RT: 14.152 min Scan# 1426
Delta R.T. -0.000 min
Lab File: BN038153.D
Acq: 07 Nov 2025 14:20

Tgt Ion	Ratio	Lower	Upper
152	100		
151	19.6	15.8	23.8
153	12.9	10.2	15.2

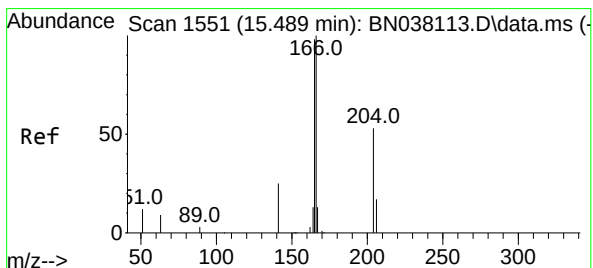
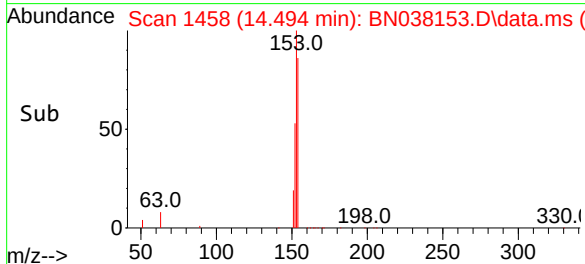
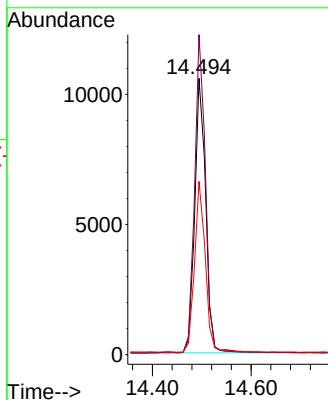
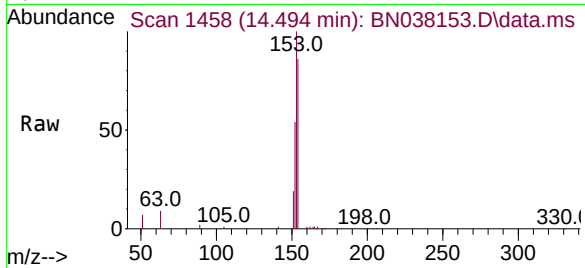




#17
Acenaphthene
Concen: 0.331 ng
RT: 14.494 min Scan# 1458
Delta R.T. -0.000 min
Lab File: BN038153.D
Acq: 07 Nov 2025 14:20

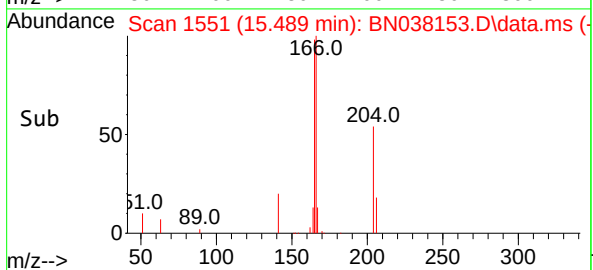
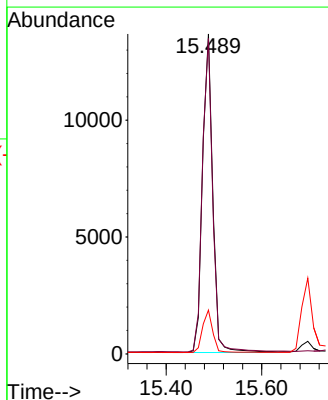
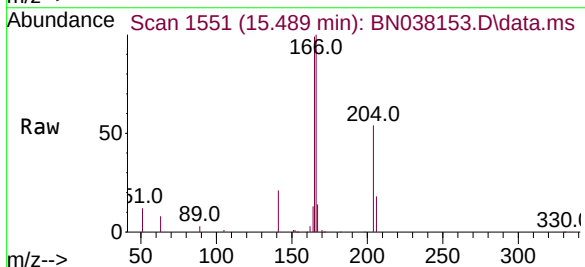
Instrument :
BNA_N
ClientSampleId :
PB170427BSD

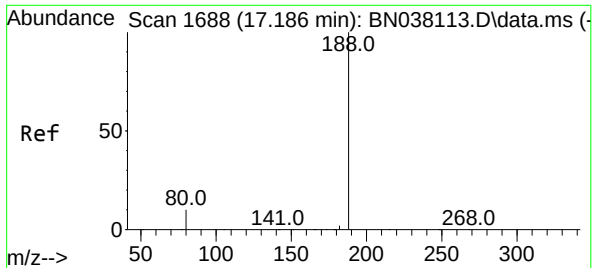
Tgt Ion:154 Resp: 16275
Ion Ratio Lower Upper
154 100
153 114.3 90.0 135.0
152 61.2 47.3 70.9



#18
Fluorene
Concen: 0.341 ng
RT: 15.489 min Scan# 1551
Delta R.T. -0.000 min
Lab File: BN038153.D
Acq: 07 Nov 2025 14:20

Tgt Ion:166 Resp: 21962
Ion Ratio Lower Upper
166 100
165 98.8 79.0 118.4
167 13.4 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: BN038153.D

Acq: 07 Nov 2025 14:20

Instrument :

BNA_N

ClientSampleId :

PB170427BSD

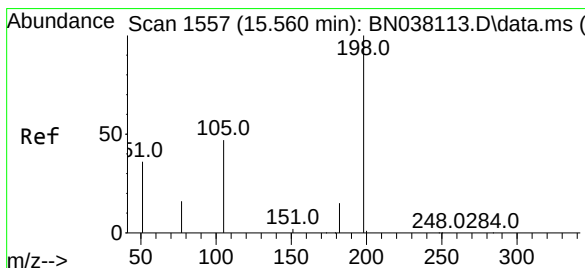
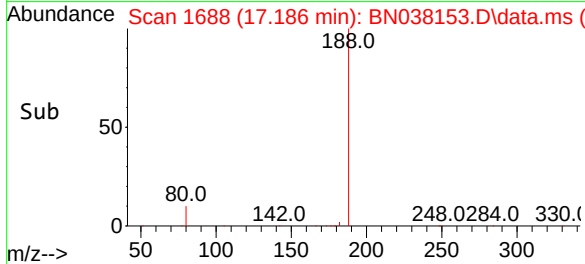
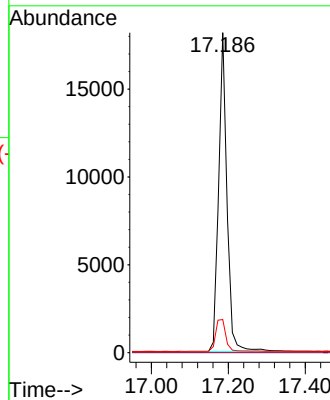
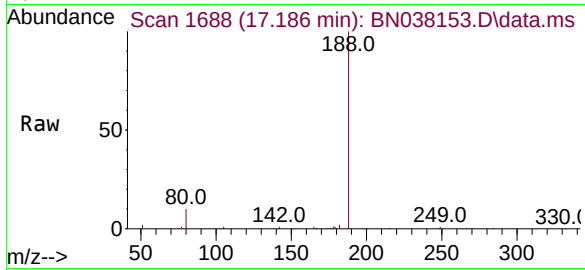
Tgt Ion:188 Resp: 27421

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

80 10.3 8.6 13.0



#20

4,6-Dinitro-2-methylphenol

Concen: 0.360 ng

RT: 15.560 min Scan# 1557

Delta R.T. -0.000 min

Lab File: BN038153.D

Acq: 07 Nov 2025 14:20

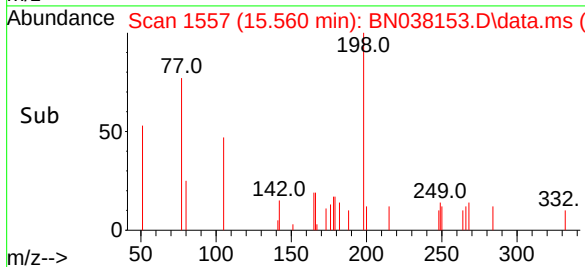
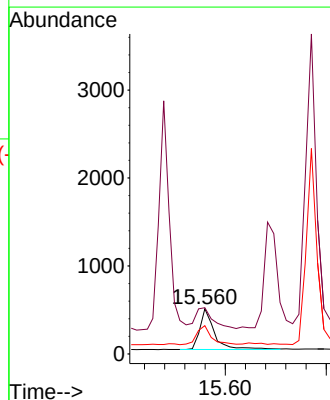
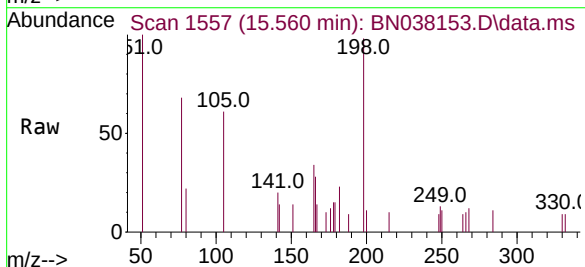
Tgt Ion:198 Resp: 924

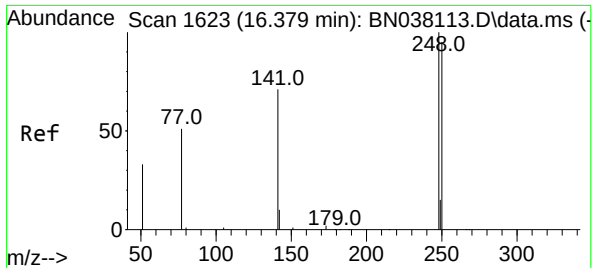
Ion Ratio Lower Upper

198 100

51 102.5 88.9 133.3

105 62.7 49.2 73.8

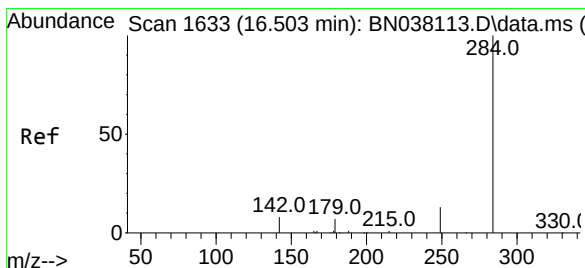
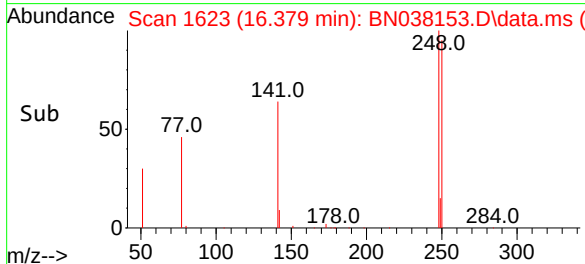
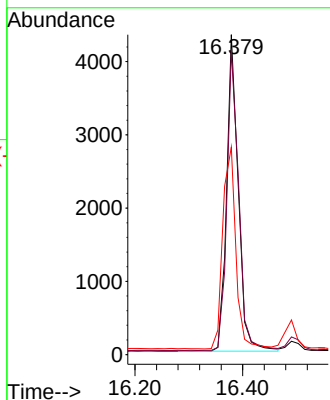
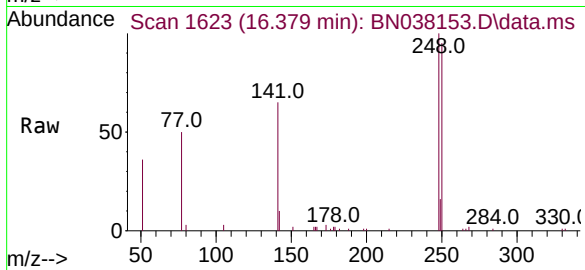




#21
4-Bromophenyl-phenylether
Concen: 0.360 ng
RT: 16.379 min Scan# 1623
Delta R.T. -0.000 min
Lab File: BN038153.D
Acq: 07 Nov 2025 14:20

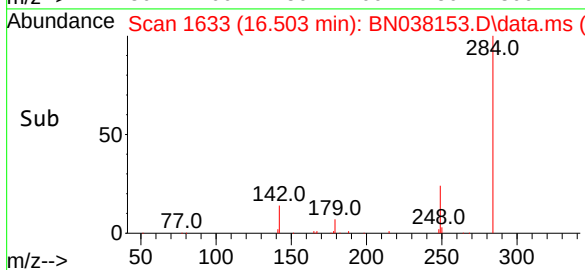
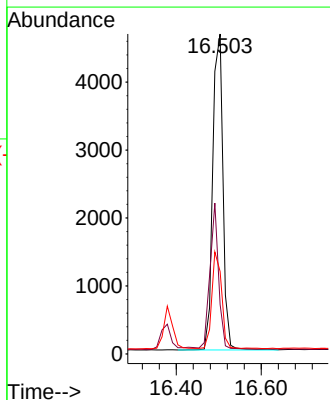
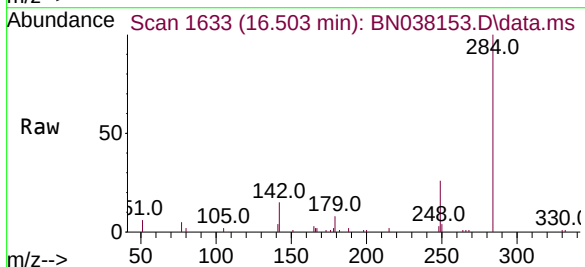
Instrument :
BNA_N
ClientSampleId :
PB170427BSD

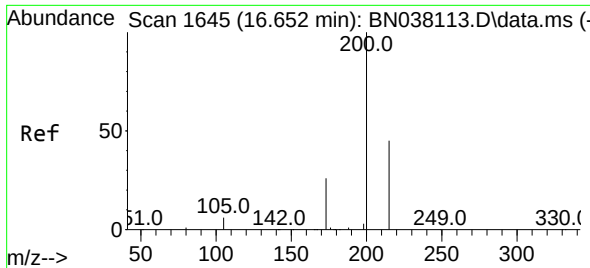
Tgt Ion:248 Resp: 6464
Ion Ratio Lower Upper
248 100
250 95.1 76.2 114.2
141 64.8 57.6 86.4



#22
Hexachlorobenzene
Concen: 0.379 ng
RT: 16.503 min Scan# 1633
Delta R.T. -0.000 min
Lab File: BN038153.D
Acq: 07 Nov 2025 14:20

Tgt Ion:284 Resp: 7742
Ion Ratio Lower Upper
284 100
142 39.5 30.5 45.7
249 29.1 23.5 35.3

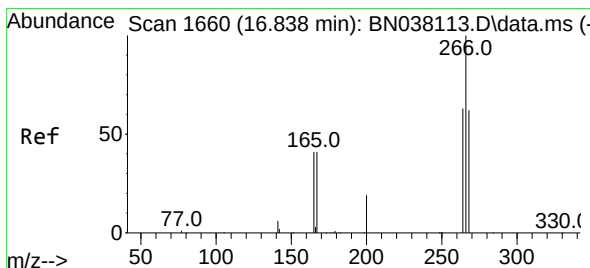
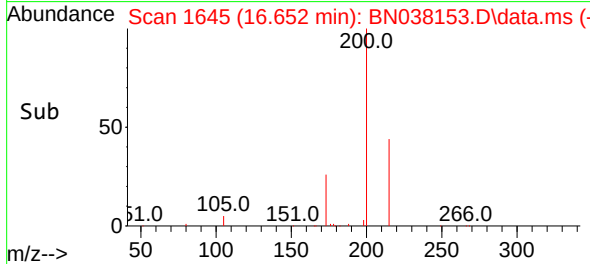
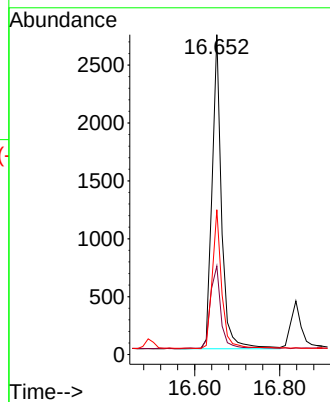
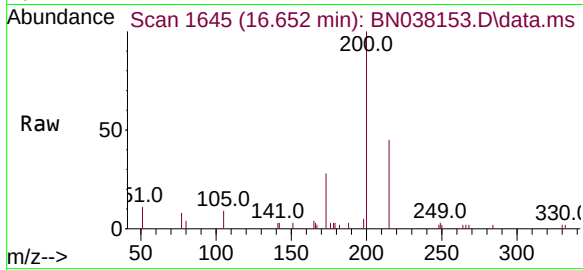




#23
Atrazine
Concen: 0.319 ng
RT: 16.652 min Scan# 1645
Delta R.T. -0.000 min
Lab File: BN038153.D
Acq: 07 Nov 2025 14:20

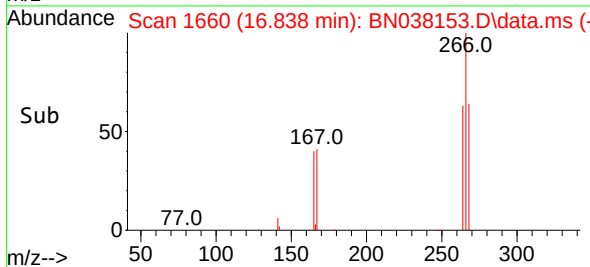
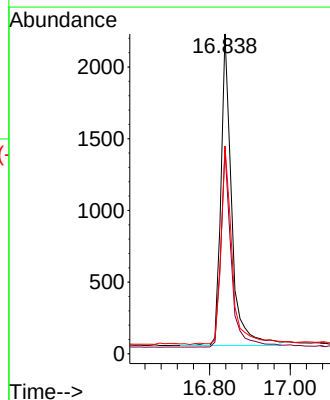
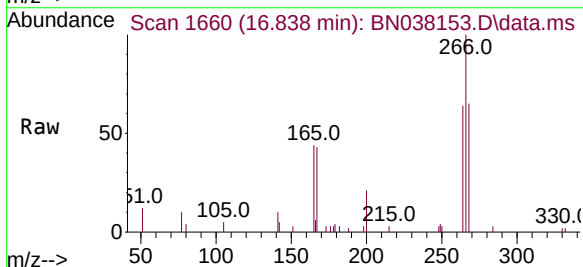
Instrument :
BNA_N
ClientSampleId :
PB170427BSD

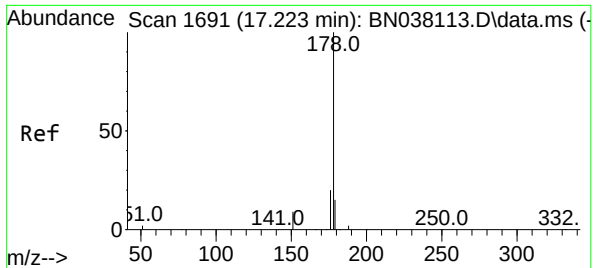
Tgt Ion	Ratio	Lower	Upper
200	100		
173	27.7	21.4	32.2
215	45.3	36.7	55.1



#24
Pentachlorophenol
Concen: 0.455 ng
RT: 16.838 min Scan# 1660
Delta R.T. -0.000 min
Lab File: BN038153.D
Acq: 07 Nov 2025 14:20

Tgt Ion	Ratio	Lower	Upper
266	100		
264	62.3	49.3	73.9
268	66.2	50.6	75.8

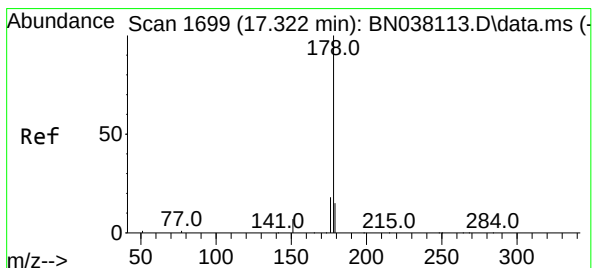
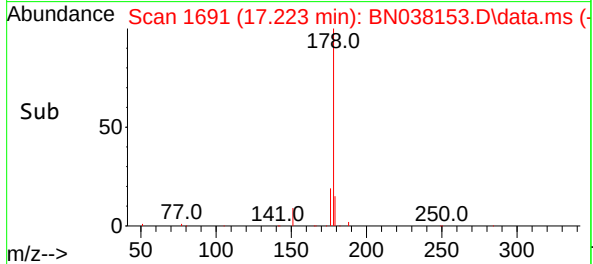
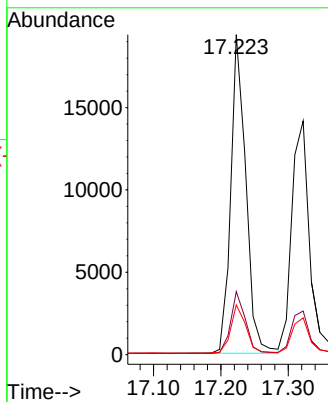
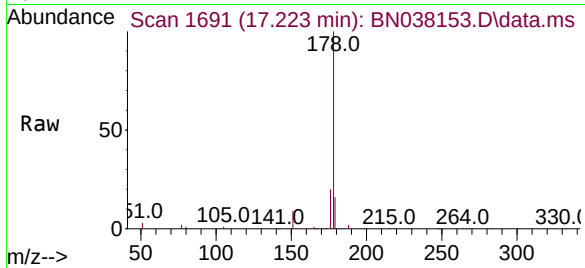




#25
Phenanthrene
Concen: 0.345 ng
RT: 17.223 min Scan# 1691
Delta R.T. -0.000 min
Lab File: BN038153.D
Acq: 07 Nov 2025 14:20

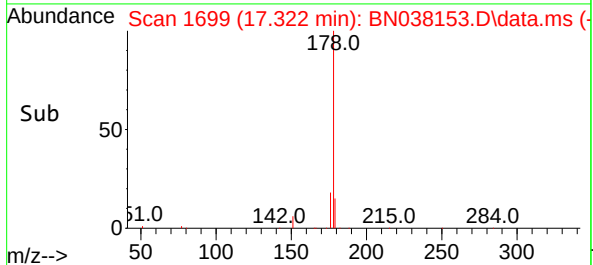
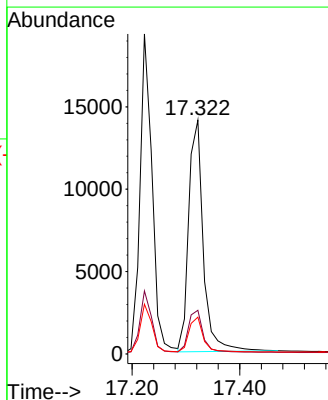
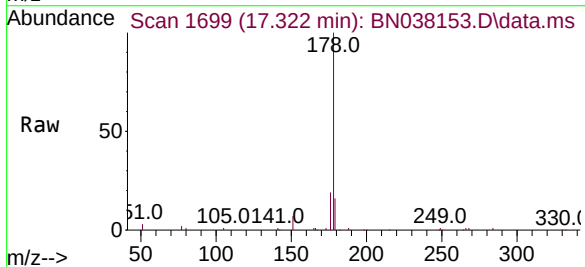
Instrument :
BNA_N
ClientSampleId :
PB170427BSD

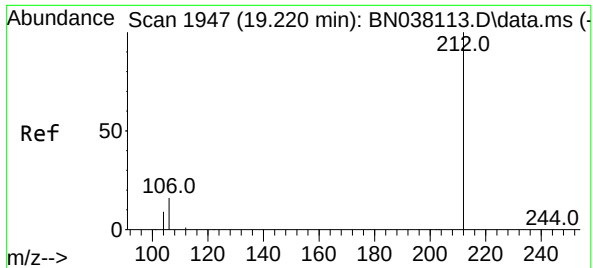
Tgt Ion:178 Resp: 30077
Ion Ratio Lower Upper
178 100
176 19.2 15.5 23.3
179 15.4 12.2 18.4



#26
Anthracene
Concen: 0.346 ng
RT: 17.322 min Scan# 1699
Delta R.T. -0.000 min
Lab File: BN038153.D
Acq: 07 Nov 2025 14:20

Tgt Ion:178 Resp: 26370
Ion Ratio Lower Upper
178 100
176 18.6 14.9 22.3
179 15.0 11.8 17.8





#27

Fluoranthene-d10

Concen: 0.294 ng

RT: 19.220 min Scan# 1947

Delta R.T. -0.000 min

Lab File: BN038153.D

Acq: 07 Nov 2025 14:20

Instrument :

BNA_N

ClientSampleId :

PB170427BSD

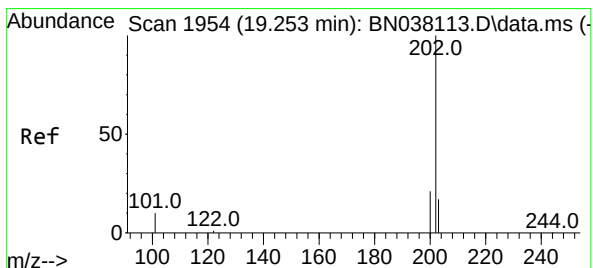
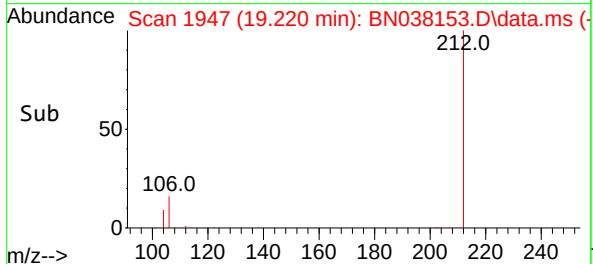
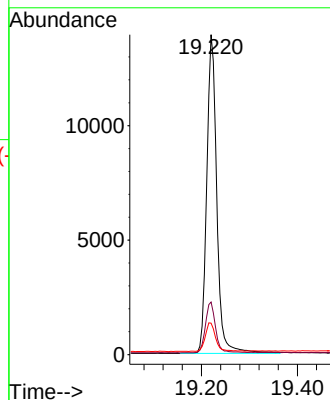
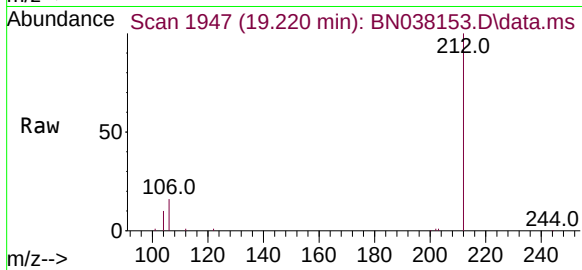
Tgt Ion:212 Resp: 20301

Ion Ratio Lower Upper

212 100

106 15.9 12.6 19.0

104 9.2 7.1 10.7



#28

Fluoranthene

Concen: 0.287 ng

RT: 19.252 min Scan# 1954

Delta R.T. -0.000 min

Lab File: BN038153.D

Acq: 07 Nov 2025 14:20

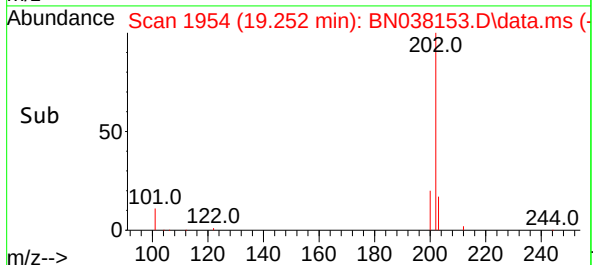
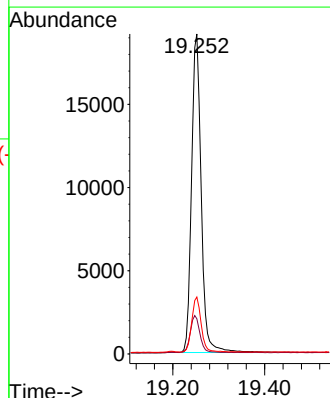
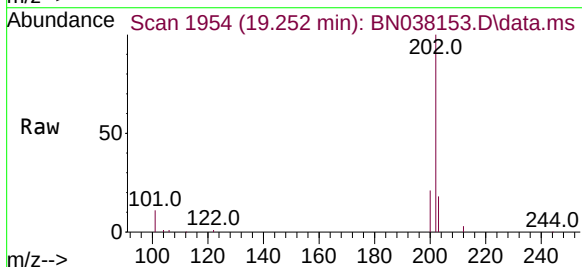
Tgt Ion:202 Resp: 27890

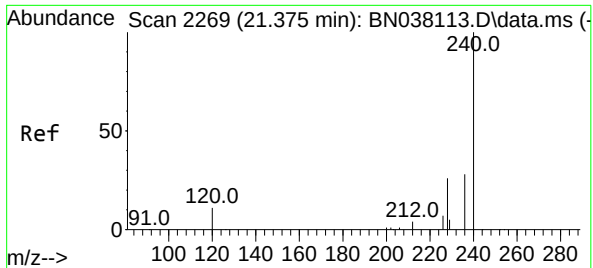
Ion Ratio Lower Upper

202 100

101 12.0 9.4 14.2

203 17.0 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: BN038153.D

Acq: 07 Nov 2025 14:20

Instrument :

BNA_N

ClientSampleId :

PB170427BSD

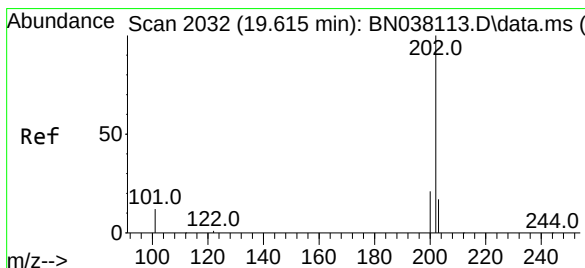
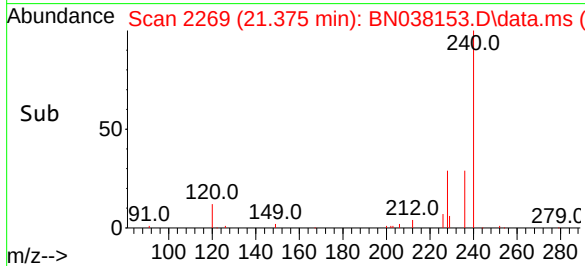
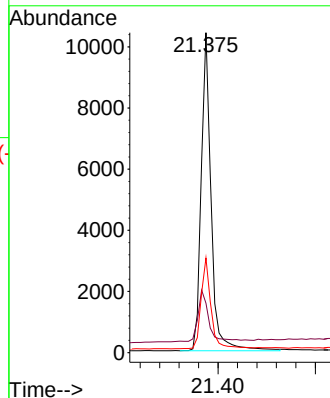
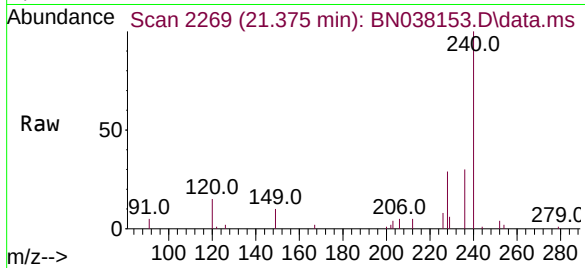
Tgt Ion:240 Resp: 14748

Ion Ratio Lower Upper

240 100

120 15.4 10.7 16.1

236 29.6 23.1 34.7



#30

Pyrene

Concen: 0.409 ng

RT: 19.615 min Scan# 2032

Delta R.T. 0.004 min

Lab File: BN038153.D

Acq: 07 Nov 2025 14:20

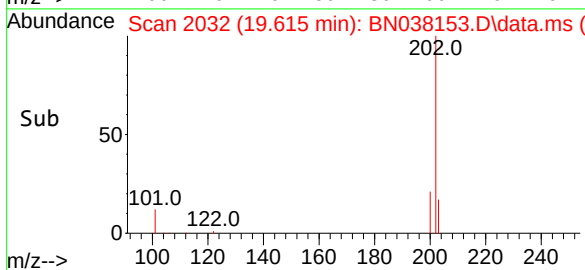
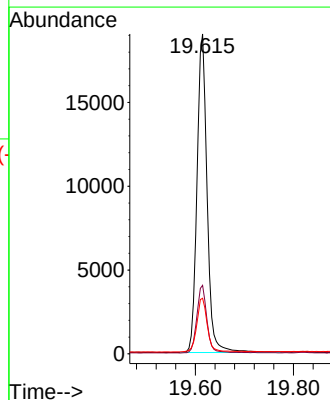
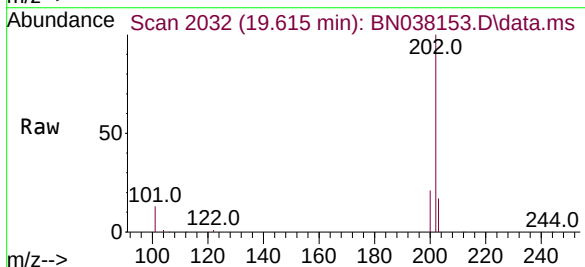
Tgt Ion:202 Resp: 27217

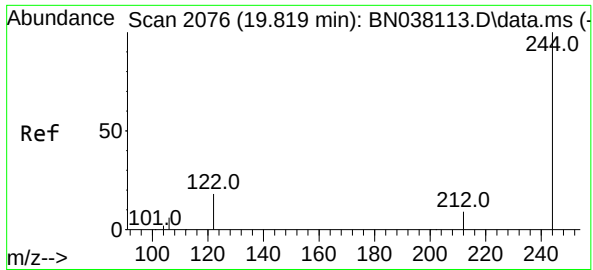
Ion Ratio Lower Upper

202 100

200 21.1 16.7 25.1

203 17.6 14.2 21.2

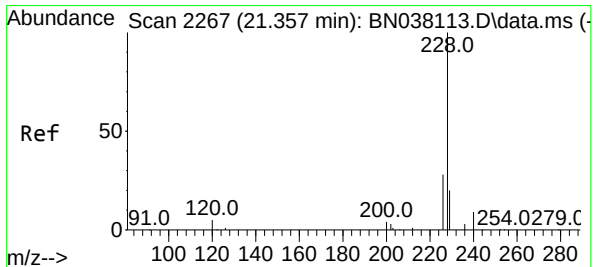
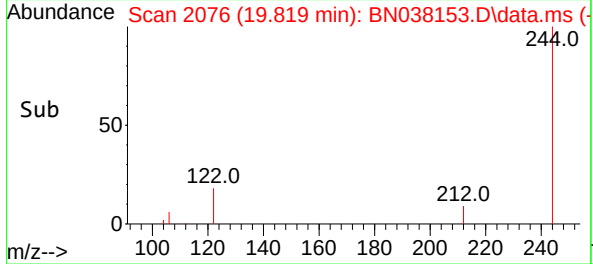
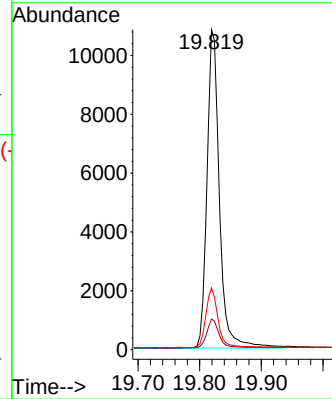
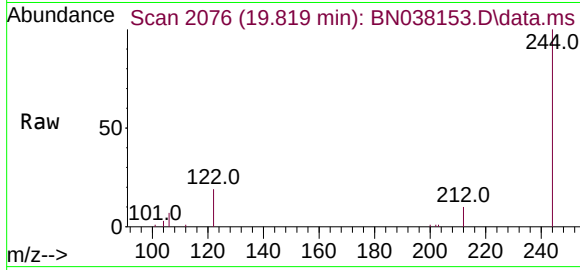




#31
Terphenyl-d14
Concen: 0.474 ng
RT: 19.819 min Scan# 2076
Delta R.T. -0.000 min
Lab File: BN038153.D
Acq: 07 Nov 2025 14:20

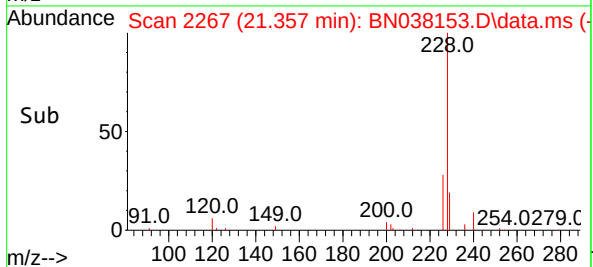
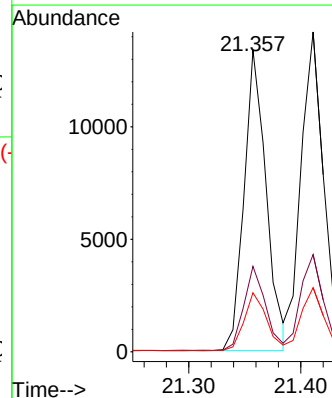
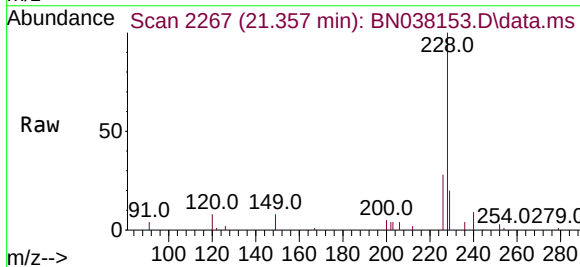
Instrument :
BNA_N
ClientSampleId :
PB170427BSD

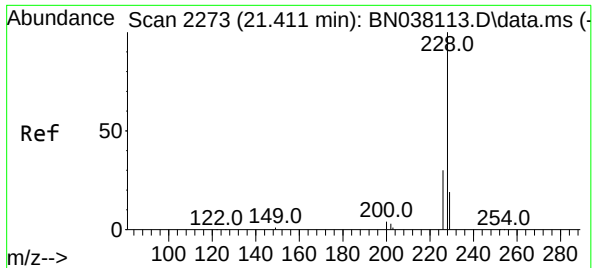
Tgt Ion	Ratio	Lower	Upper
244	100		
212	9.5	7.8	11.6
122	19.3	15.2	22.8



#32
Benzo(a)anthracene
Concen: 0.348 ng
RT: 21.357 min Scan# 2267
Delta R.T. -0.000 min
Lab File: BN038153.D
Acq: 07 Nov 2025 14:20

Tgt Ion	Ratio	Lower	Upper
228	100		
226	28.3	22.2	33.4
229	19.6	15.8	23.8

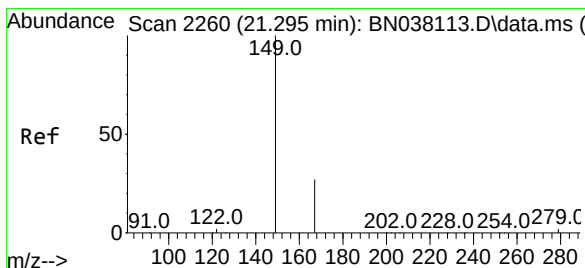
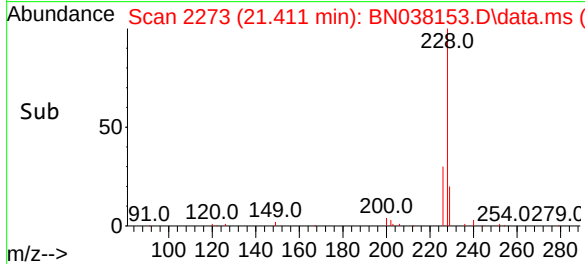
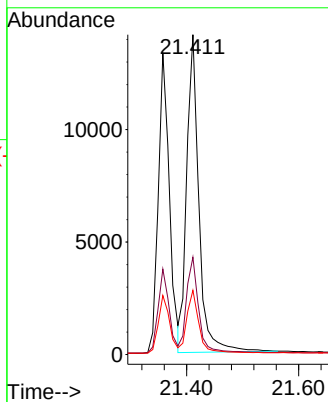
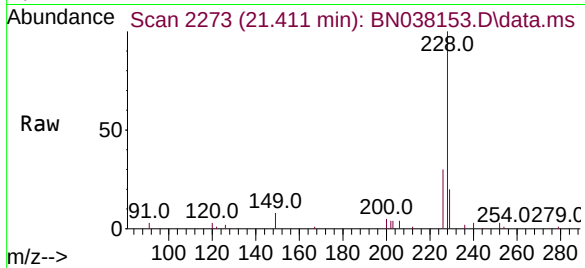




#33
Chrysene
Concen: 0.373 ng
RT: 21.411 min Scan# 2273
Delta R.T. -0.000 min
Lab File: BN038153.D
Acq: 07 Nov 2025 14:20

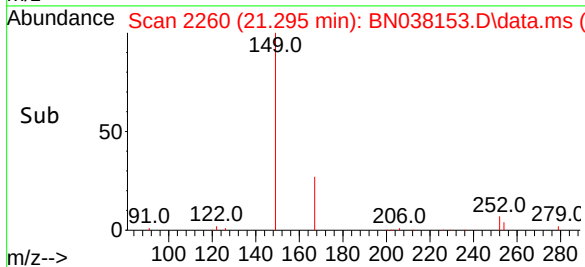
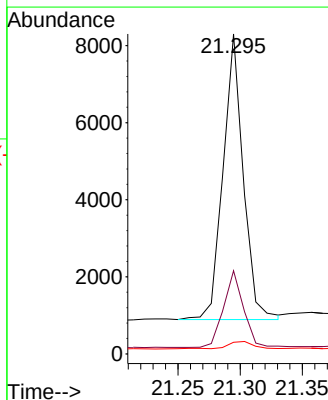
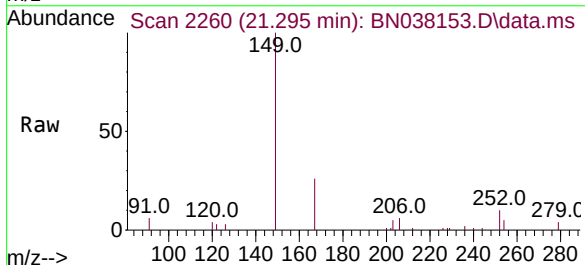
Instrument :
BNA_N
ClientSampleId :
PB170427BSD

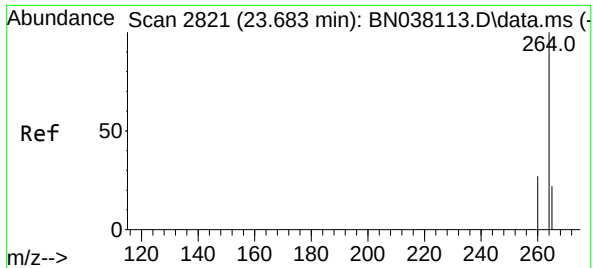
Tgt Ion:228 Resp: 21315
Ion Ratio Lower Upper
228 100
226 30.4 24.3 36.5
229 20.1 15.7 23.5



#34
Bis(2-ethylhexyl)phthalate
Concen: 0.302 ng
RT: 21.295 min Scan# 2260
Delta R.T. -0.000 min
Lab File: BN038153.D
Acq: 07 Nov 2025 14:20

Tgt Ion:149 Resp: 8356
Ion Ratio Lower Upper
149 100
167 26.7 21.1 31.7
279 3.3 2.9 4.3

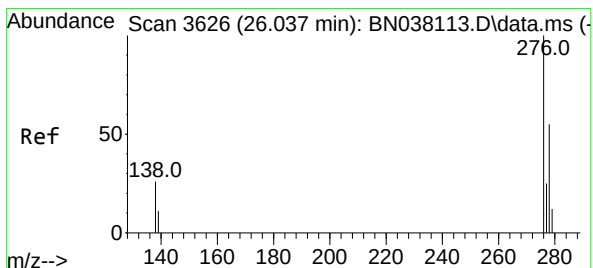
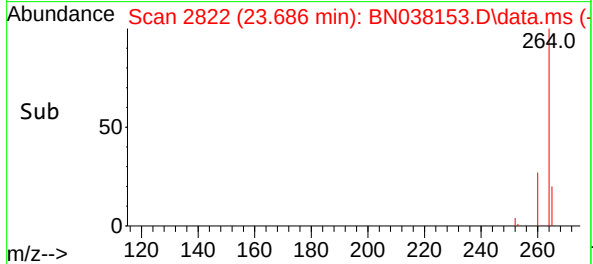
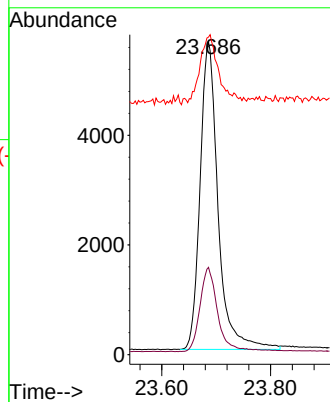
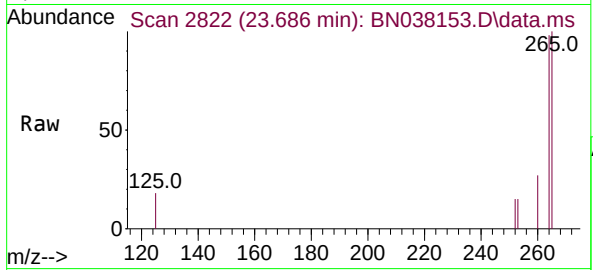




#35
Perylene-d12
Concen: 0.400 ng
RT: 23.686 min Scan# 2821
Delta R.T. 0.006 min
Lab File: BN038153.D
Acq: 07 Nov 2025 14:20

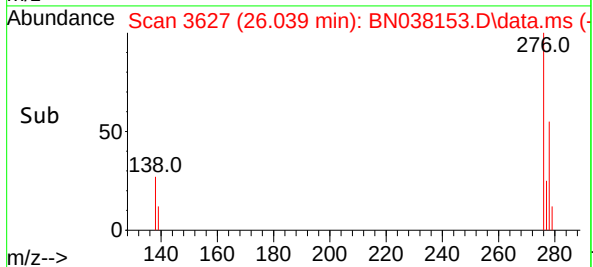
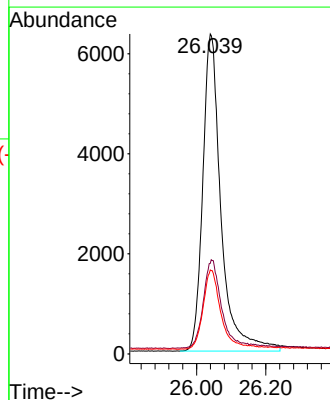
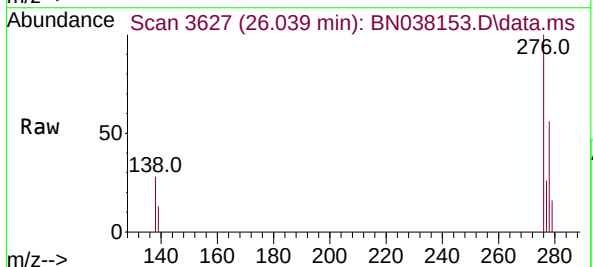
Instrument :
BNA_N
ClientSampleId :
PB170427BSD

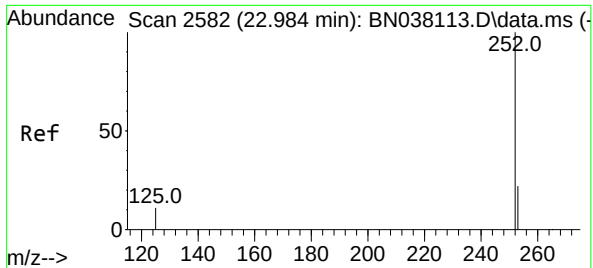
Tgt Ion:264 Resp: 12843
Ion Ratio Lower Upper
264 100
260 27.9 21.8 32.8
265 101.6 68.6 102.8



#36
Indeno(1,2,3-cd)pyrene
Concen: 0.440 ng
RT: 26.039 min Scan# 3627
Delta R.T. 0.006 min
Lab File: BN038153.D
Acq: 07 Nov 2025 14:20

Tgt Ion:276 Resp: 23211
Ion Ratio Lower Upper
276 100
138 27.5 21.4 32.0
277 24.1 19.2 28.8





#37

Benzo(b)fluoranthene

Concen: 0.342 ng

RT: 22.987 min Scan# 2582

Delta R.T. 0.006 min

Lab File: BN038153.D

Acq: 07 Nov 2025 14:20

Instrument :

BNA_N

ClientSampleId :

PB170427BSD

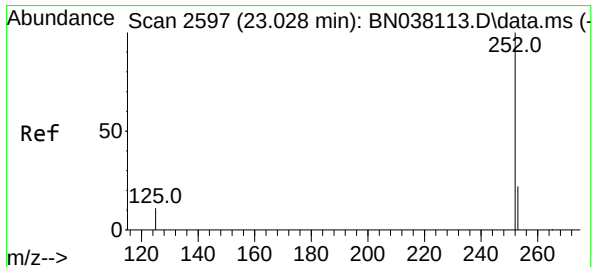
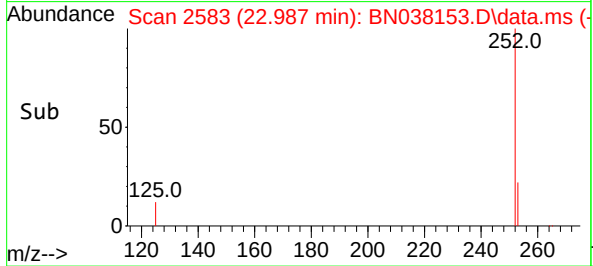
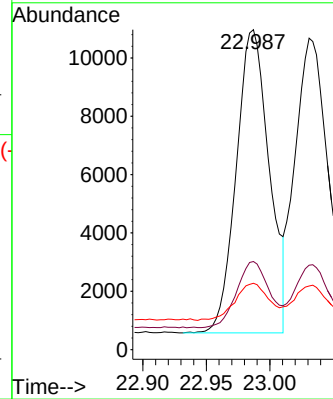
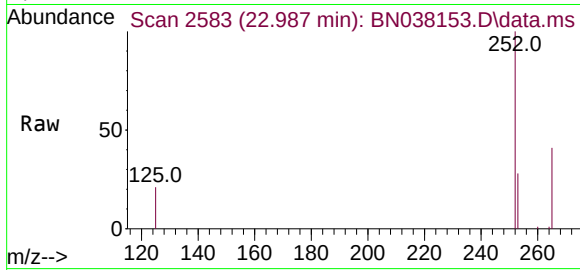
Tgt Ion:252 Resp: 18803

Ion Ratio Lower Upper

252 100

253 27.5 20.9 31.3

125 20.7 14.1 21.1



#38

Benzo(k)fluoranthene

Concen: 0.362 ng

RT: 23.031 min Scan# 2598

Delta R.T. 0.003 min

Lab File: BN038153.D

Acq: 07 Nov 2025 14:20

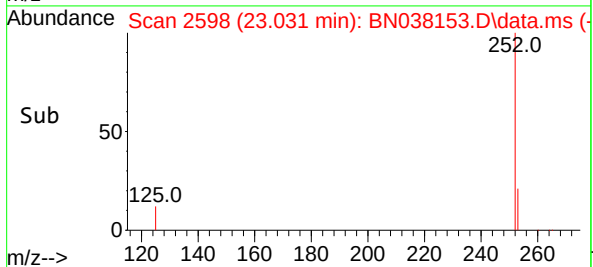
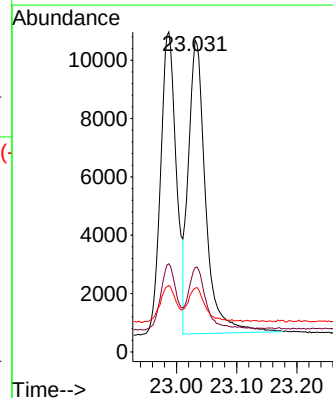
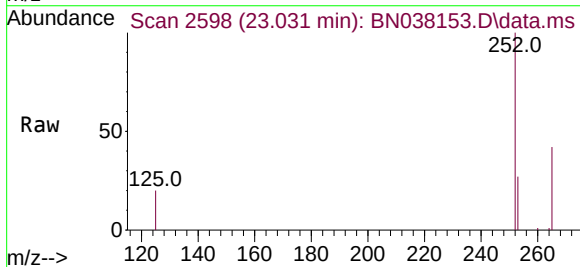
Tgt Ion:252 Resp: 19981

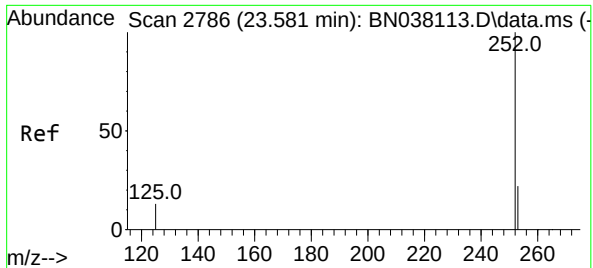
Ion Ratio Lower Upper

252 100

253 27.1 21.2 31.8

125 20.4 14.6 22.0





#39

Benzo(a)pyrene

Concen: 0.372 ng

RT: 23.583 min Scan# 21

Delta R.T. 0.006 min

Lab File: BN038153.D

Acq: 07 Nov 2025 14:20

Instrument :

BNA_N

ClientSampleId :

PB170427BSD

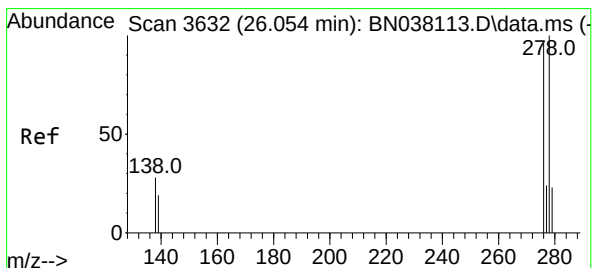
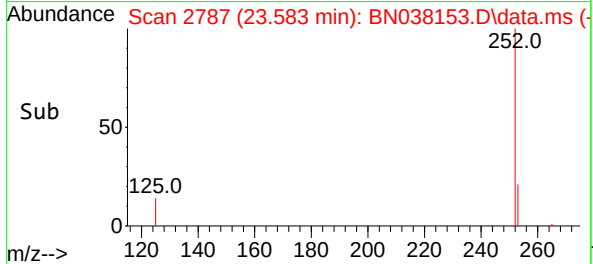
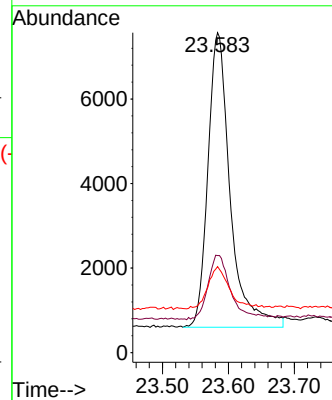
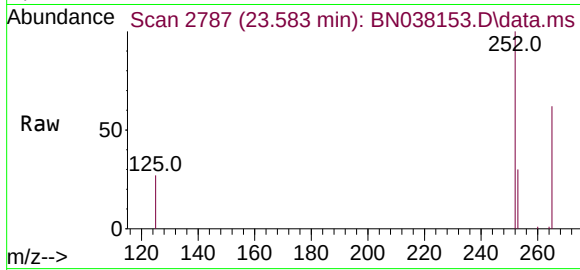
Tgt Ion:252 Resp: 16370

Ion Ratio Lower Upper

252 100

253 30.3 23.1 34.7

125 26.9 18.6 28.0



#40

Dibenzo(a,h)anthracene

Concen: 0.438 ng

RT: 26.057 min Scan# 3633

Delta R.T. 0.009 min

Lab File: BN038153.D

Acq: 07 Nov 2025 14:20

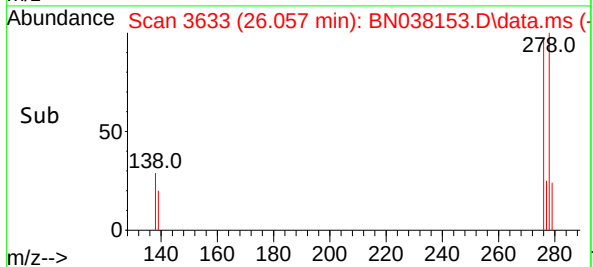
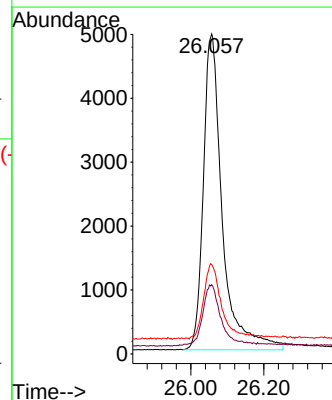
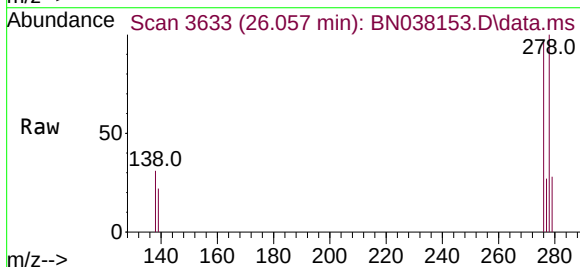
Tgt Ion:278 Resp: 17788

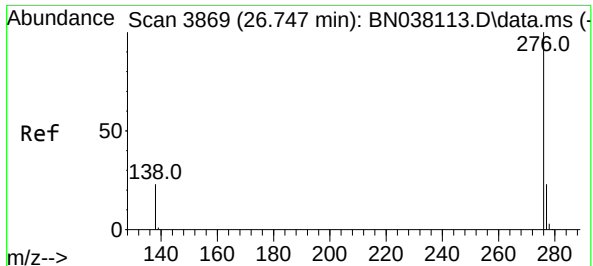
Ion Ratio Lower Upper

278 100

139 21.6 17.6 26.4

279 28.0 22.6 33.8





#41

Benzo(g,h,i)perylene

Concen: 0.431 ng

RT: 26.756 min Scan# 38

Delta R.T. 0.006 min

Lab File: BN038153.D

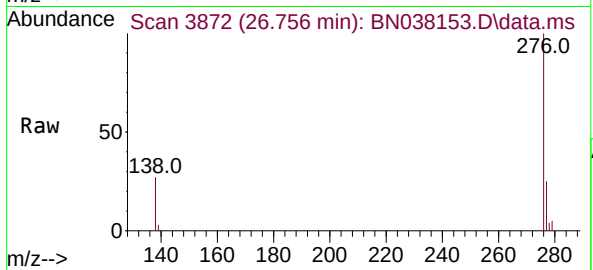
Acq: 07 Nov 2025 14:20

Instrument :

BNA_N

ClientSampleId :

PB170427BSD



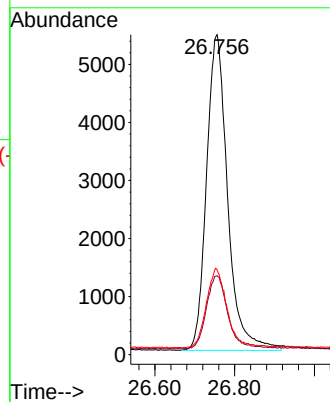
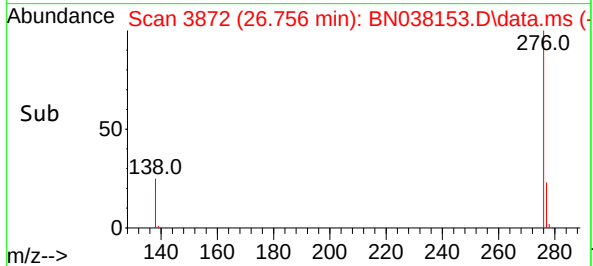
Tgt Ion:276 Resp: 20005

Ion Ratio Lower Upper

276 100

277 24.6 19.7 29.5

138 26.5 20.2 30.4





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

Manual Integration Report

Sequence:	BN102825	Instrument	BNA_n
-----------	----------	------------	-------

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

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
Q3534-01	BN038149.D	2-Methylnaphthalene-d10	rahul	11/10/2025 8:45:47 AM	Jagrut	11/10/2025 12:19:48 PM	Peak Integrated by Software
Q3534-01	BN038149.D	Anthracene	rahul	11/10/2025 8:45:47 AM	Jagrut	11/10/2025 12:19:48 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
Q3534-10	BN038168.D	Phenanthrene	rahul	11/10/2025 8:46:02 AM	Jagrut	11/10/2025 12:19:59 PM	Peak Integrated by Software
Q3534-01DL	BN038169.D	Nitrobenzene-d5	rahul	11/10/2025 8:46:04 AM	Jagrut	11/10/2025 12:20:01 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

Sample ID

File ID

Parameter

Review By

Review On

Supervised
By

Supervised On

Reason

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

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

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)



SHIPPING DOCUMENTS

CLIENT INFORMATION

REPORT TO BE SENT TO:

COMPANY: Remington & Verreck Engineers

ADDRESS: 2059 Springdale Road

CITY: Cherry Hill STATE: NJ ZIP: 08003

ATTENTION: Kyle Carson @ rve.com

PHONE: 609-682-3019 FAX:

CLIENT PROJECT INFORMATION

PROJECT NAME: Edison Landfill

PROJECT NO.: 12051007 LOCATION: Edison, NJ

PROJECT MANAGER: Leslie Hartzell

e-mail: Leslie.Hartzell@rve.com

PHONE: 610-663-4665 FAX:

CLIENT BILLING INFORMATION

BILL TO: AP Invoicing One.com PO#: 12051007

ADDRESS: 2059 Springdale Road

CITY: Cherry Hill STATE: NJ ZIP: 08003

ATTENTION: Leslie Hartzell PHONE: 610-663-4665

ANALYSIS

DATA TURNAROUND INFORMATION

FAX (RUSH) _____ DAYS*

HARDCOPY (DATA PACKAGE): STAT _____ DAYS*

EDD: _____ DAYS*

*TO BE APPROVED BY CHEMTECH

STANDARD HARDCOPY TURNAROUND TIME IS 10 BUSINESS

DATA DELIVERABLE INFORMATION

☐ Level 1 (Results Only) ☐ Level 4 (QC + Full Raw Data)

☐ Level 2 (Results + QC) ☒ NJ Reduced ☐ US EPA CLP

☐ Level 3 (Results + QC) ☐ NYS ASP A ☐ NYS ASP B

+ Raw Data ☐ Other _____

☒ EDD FORMAT: Hartsite

1. TC/AL+30
2. VOCs
3. TALN/AL+30
4. Cyanide
5. COD
6. TKN
7. 01138 rease
8. Hexchrome
9. VOCs (blank)

PRESERVATIVES

COMMENTS

ALLIANCE
SAMPLE
ID

PROJECT
SAMPLE IDENTIFICATION

SAMPLE
MATRIX

SAMPLE
TYPE

SAMPLE
COLLECTION

OF BOTTLES

E

A

B

D

C

C

C

F

F

← Specify Preservatives
A-HCl D-NaOH
B-HNO3 E-ICE
C-H2SO4 F-OTHER

1.	MW-6	GW	X	11/3/25	10:45	15	7	2	1	1	1	1	1	1	1	1	mmmmmmmmmm
2.	MW-1	GW	X	11/3/25	11:50	15	7	2	1	1	1	1	1	1	1	1	
3.	MW-11	GW	X	11/3/25	12:00	15	7	2	1	1	1	1	1	1	1	1	
4.	MW-5	GW	X	11/4/25	16:20	15	7	2	1	1	1	1	1	1	1	1	
5.	MW-EB-1	GW	X	11/3/25	15:00	15	7	2	1	1	1	1	1	1	1	1	
6.	MW-EB-2	GW	X	11/4/25	10:05	15	7	2	1	1	1	1	1	1	1	1	
7.	MW-EB-3	GW	X	11/3/25	14:30	15	7	2	1	1	1	1	1	1	1	1	
8.	TB-1	GW	X	11/3/25	8:00	2		2									trip blank
9.	FB-1	GW	X	11/4/25	11:20	31	2	2	1	1			1	1	3	3	field blank
10.	EB-1	GW	X	11/4/25	11:20	5		2									equipment blank

SAMPLE CUSTODY MUST BE DOCUMENTED BELOW EACH TIME SAMPLES CHANGE POSSESSION INCLUDING COURIER DELIVERY

RELINQUISHED BY SAMPLER:

DATE/TIME:

RECEIVED BY:

1. Arina Mauer

11/4/25 (11:30)

1. [Signature]

RELINQUISHED BY SAMPLER:

DATE/TIME:

RECEIVED BY:

2. [Signature]

2. [Signature]

RELINQUISHED BY SAMPLER:

DATE/TIME: 1310

RECEIVED BY:

3. [Signature]

11-4-25

3. [Signature]

Conditions of bottles or coolers at receipt:

☐ COMPLIANT ☐ NON COMPLIANT ☐ COOLER TEMP 3.1 °C

Comments:

Page 1 of 1

CLIENT: ☐ Hand Delivered ☐ Other

Shipment Complete

☐ YES ☐ NO

From: Yazmeen Gomez
Sent: Wednesday, November 05, 2025 4:05 PM
To: Mohammad Ahmed
Subject: FW: Chain of Custody 11/4/25

Importance: High

q3534 - sample 11. I just added TCL+30, Hex Chrom, Oil and Grease and SVOC-SIM.

Best Regards,



Yazmeen Gomez
Sr. Project Manager
An Alliance Technical Group Company
Main: 908-789-8900
Direct: 908-728-3147
Address: 284 Sheffield St, Ste 1, Mountainside, NJ 07092
www.alliancetg.com    

From: Justin Zarzecki <Justin.Zarzecki@rve.com>
Sent: Wednesday, November 5, 2025 3:29 PM
To: Yazmeen Gomez <yazmeen.gomez@alliancetg.com>
Cc: Leslie Hartzell <leslie.hartzell@rve.com>; Kyle Carlson <Kyle.Carlson@rve.com>
Subject: Chain of Custody 11/4/25

EXTERNAL EMAIL - This email was sent by a person from outside your organization. Exercise caution when clicking links, opening attachments or taking further action, before validating its authenticity.

Secured by Check Point

Good morning yazmeen,

I took a look over our chains from yesterday and I noticed an error on our end. For our Sample EB-1, we put the incorrect number of bottles. The bottle numbers/analyses for EB-1 should match the analyses for Fb-1. Attached a picture of the chain below for reference. Please let me know if you have any questions

RELINQUISHED BY SAMPLER:

1. Anna Meyer

RELINQUISHED BY SAMPLER:

2.

RELINQUISHED BY SAMPLER:

3.

Get [Outlook for iOS](#)

DISCLAIMER: This message and any documents attached may contain confidential information and are intended only for the individual(s) named. If you are not the intended recipient, or the employee or agent authorized to receive it on behalf of the intended recipient, you should not disseminate, distribute, or copy this e-mail and any attached documents. If you have received this e-mail in error, please immediately notify the sender at Remington & Vernick Engineers by replying to this e-mail and delete the original e-mail and any reply e-mail messages from your system. E-mail transmission cannot be guaranteed to be secure or error-free as information could be intercepted, corrupted, lost, destroyed, arrive late or incomplete, or contain viruses. The sender therefore does not accept liability for any errors or omissions in the contents of this message, which arise as a result of e-mail transmission. If verification is required please request a hard-copy version. Thank you. DISCLAIMER: This message and any documents attached may contain confidential information and are intended only for the individual(s) named. If you are not the intended recipient, or the employee or agent authorized to receive for the intended recipient, you should not disseminate, distribute or copy this e-mail and any attached documents. If you have received this e-mail in error, please immediately notify the sender at Remington & Vernick Engineers by replying to this e-mail and delete the original e-mail and any reply e-mail messages from your system. E-mail transmission cannot be guaranteed to be secure or error-free as information could be intercepted, corrupted, lost, destroyed, arrive late or incomplete, or contain viruses. The sender therefore does not accept liability for any errors or omissions in the contents of this message, which arise as a result of e-mail transmission. If verification is required please request a hard-copy version. Thank you.

From: Yazmeen Gomez
Sent: Wednesday, November 05, 2025 10:14 AM
To: Kyle Carlson
Subject: RE: Login Summary Details For Project Edison Landfill-Q3534.

Good morning Kyle,

I meant to send an email to Justin yesterday. We did not receive the TB.
We received the vials for the samples, EBs and FBs but the TB's were the only vials missing from the coolers.

I had Sample Management double check the labels and each vial to make sure they weren't overlooked but no TBs were found.

The TB's would be Two 40mL Vials with HCL.

Best Regards,



Yazmeen Gomez
Sr. Project Manager
An Alliance Technical Group Company
Main: 908-789-8900
Direct: 908-728-3147
Address: 284 Sheffield St, Ste 1, Mountainside, NJ 07092
www.alliancetg.com    

From: Kyle Carlson <Kyle.Carlson@rve.com>
Sent: Wednesday, November 5, 2025 10:06 AM
To: Yazmeen Gomez <yazmeen.gomez@alliancetg.com>
Subject: Fw: Login Summary Details For Project Edison Landfill-Q3534.

EXTERNAL EMAIL - This email was sent by a person from outside your organization. Exercise caution when clicking links, opening attachments or taking further action, before validating its authenticity.

Secured by Check Point

Good morning Yazmeen - Could I please request that the Trip Blank "TB-1" sample is added to this project login? We had this one on the COC but I didn't see it here in the login.

Please let me know, thanks!

Regards,

Kyle Carlson, LSRP

Environmental Project Manager

Remington & Vernick Engineers

2059 Springdale Road

Cherry Hill, NJ 08003

Cell: (609) 682-3049

Kyle.Carlson@rve.com



Offices throughout NJ • PA • MD • DE • NC

RVE.com | [LinkedIn](#)

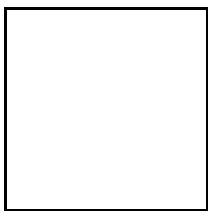
From: Data-EWR@alliancetg.com <Data-EWR@alliancetg.com>

Sent: Tuesday, November 4, 2025 3:27 PM

To: Kyle Carlson <Kyle.Carlson@rve.com>

Cc: YAZMEEN.GOMEZ@AllianceTG.com <YAZMEEN.GOMEZ@AllianceTG.com>

Subject: Login Summary Details For Project Edison Landfill-Q3534.



To Kyle Carlson;

Please see the attached Login Summary for the following project, or download the file using your login credentials from the link below.

Order ID	: Q3534
Project ID	: Edison Landfill
Download File	: https://chemtech.net/secureLogin.aspx
Order Date	: 11/4/2025 1:29:44 PM

Alliance's Project Manager : YAZMEEN GOMEZ , YAZMEEN.GOMEZ@AllianceTG.com , 908-728-3147

Alliance's Sales Executive : Jordan Hedvat , Jordan.Hedvat@AllianceTG.com , 908-728-3144

Thank you for the opportunity to provide you with our services. For any questions please feel free to contact your project manager.

Click Here for our short online customer Survey <http://chemtech.net/ClientSurvey.aspx>.

Thank you,

Alliance Technical Group LLC.

Notice: The information transmitted in this e-mail message and in any attachments is intended Solely for the attention of the named addressee(s) and may contain confidential and/or privileged material. Any review, retransmission, dissemination or other use of, or taking of any action in reliance upon, this information by persons or entities other than the intended recipient is strictly prohibited and may be unlawful. If you have received this transmission in error, please notify us immediately by return e-mail, and permanently delete this transmission, including attachments if any, from any computer.

■

[CAUTION: This email originated from outside of the organization. Do not click links or open attachments unless you recognize the sender and know the content is safe]

DISCLAIMER: This message and any documents attached may contain confidential information and are intended only for the individual(s) named. If you are not the intended recipient, or the employee or agent authorized to receive it on behalf of the intended recipient, you should not disseminate, distribute, or copy this e-mail and any attached documents. If you have received this e-mail in error, please immediately notify the sender at Remington & Vernick Engineers by replying to this e-mail and delete the original e-mail and any reply e-mail messages from your system. E-mail transmission cannot be guaranteed to be secure or error-free as information could be intercepted, corrupted, lost, destroyed, arrive late or incomplete, or contain viruses. The sender therefore does not accept liability for any errors or omissions in the contents of this message, which arise as a result of e-mail transmission. If verification is required please request a hard-copy version. Thank you. DISCLAIMER: This message and any documents attached may contain confidential information and are intended only for the individual(s) named. If you are not the intended recipient, or the employee or agent authorized to received for the intended recipient, you should not disseminate, distribute or copy this e-mail and any attached documents. If you have received this e-mail in error, please immediately notify the sender at Remington & Vernick Engineers by replying to this e-mail and delete the original e-mail and any reply e-mail messages from your system. E-mail transmission cannot be guaranteed to be secure or error-free as information could be intercepted, corrupted, lost, destroyed, arrive late or incomplete, or contain viruses. The sender therefore does not accept liability for any errors or omissions in the contents of this message, which arise as a result of e-mail transmission. If verification is required please request a hard-copy version. Thank you.

Laboratory Certification

Certified By	License No.
Connecticut	PH-0830
DOD ELAP (ANAB)	L2219
Maine	2024021
Maryland	296
New Hampshire	255425
New Jersey	20012
New York	11376
Pennsylvania	68-00548
Soil Permit	525-24-234-08441
Texas	TX-C25-00189
Virginia	460312