

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

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



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Fax : 908 789 8922

Hit Summary Sheet SW-846

SDG No.: Q3552
Client: Remington & Vernick Engineers

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



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Hit Summary Sheet
SW-846

SDG No.: Q3552
Client: Remington & Vernick Engineers

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



QC SUMMARY

Surrogate Summary

SW-846

SDG No.: Q3552

Client: Remington & Vernick Engineers

Analytical Method: 8270-Modified

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

() = LABORATORY INHOUSE LIMIT

Surrogate Summary

SW-846

SDG No.: Q3552

Client: Remington & Vernick Engineers

Analytical Method: 8270-Modified

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

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q3552

Analytical Method: 8270-Modified

Client: Remington & Vernick Engineers

DataFile: BN038152.D

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

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q3552

Analytical Method: 8270-Modified

Client: Remington & Vernick Engineers

DataFile: BN038153.D

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

4B

SEMIVOLATILE METHOD BLANK SUMMARY

Client ID

PB170427BL

Lab Name: Alliance

Contract: REMI02

Lab Code: ACE

SDG NO.: Q3552

Lab File ID: BN038175.D

Lab Sample ID: PB170427BL

Instrument ID: BNA_N

Date Extracted: 11/06/2025

Matrix: (soil/water) Water

Date Analyzed: 11/10/2025

Level: (low/med) LOW

Time Analyzed: 10:50

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

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

COMMENTS: _____



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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.: Q3552
DFTPP Injection Date: 10/28/2025
DFTPP Injection Time: 12:05

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
68	Less than 2.0% of mass 69	0.7 (1.8) 1
69	Mass 69 relative abundance	38.2
70	Less than 2.0% of mass 69	0.2 (0.5) 1
197	Less than 2.0% of mass 198	0.2
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	6.5
365	Greater than 1% of mass 198	3.4
441	Present, but less than mass 443	14.2
442	Greater than 50% of mass 198	85.3
443	15.0 - 24.0% of mass 442	17 (19.9) 2

1-Value is % mass 69

2-Value is % mass 442

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
SSTDICC0.1	SSTDICC0.1	BN038111.D	10/28/2025	13:00
SSTDICC0.2	SSTDICC0.2	BN038112.D	10/28/2025	13:36
SSTDICCC0.4	SSTDICCC0.4	BN038113.D	10/28/2025	14:13
SSTDICC0.8	SSTDICC0.8	BN038114.D	10/28/2025	14:49
SSTDICC1.6	SSTDICC1.6	BN038115.D	10/28/2025	15:25
SSTDICC3.2	SSTDICC3.2	BN038116.D	10/28/2025	16:02
SSTDICC5.0	SSTDICC5.0	BN038117.D	10/28/2025	16:38



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5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

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

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

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
68	Less than 2.0% of mass 69	0.4 (1.1) 1
69	Mass 69 relative abundance	35.7
70	Less than 2.0% of mass 69	0.2 (0.5) 1
197	Less than 2.0% of mass 198	0.0
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	6.8
365	Greater than 1% of mass 198	3.7
441	Present, but less than mass 443	15
442	Greater than 50% of mass 198	98.3
443	15.0 - 24.0% of mass 442	19.4 (19.7) 2

1-Value is % mass 69

2-Value is % mass 442

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

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



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5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

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

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

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
68	Less than 2.0% of mass 69	0.7 (1.7) 1
69	Mass 69 relative abundance	39.7
70	Less than 2.0% of mass 69	0.2 (0.6) 1
197	Less than 2.0% of mass 198	0.2
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	7
365	Greater than 1% of mass 198	3.4
441	Present, but less than mass 443	12.5
442	Greater than 50% of mass 198	83.2
443	15.0 - 24.0% of mass 442	16.3 (19.6) 2

1-Value is % mass 69

2-Value is % mass 442

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
SSTDCCC0.4	SSTDCCC0.4	BN038174.D	11/10/2025	10:14
PB170427BL	PB170427BL	BN038175.D	11/10/2025	10:50
MW-4DL	Q3552-01DL	BN038177.D	11/10/2025	12:02
MW-3DL	Q3552-05DL	BN038178.D	11/10/2025	12:39
MW-9DL	Q3552-03DL	BN038179.D	11/10/2025	13:16
MW-8DL	Q3552-02DL	BN038180.D	11/10/2025	13:52

8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Alliance

Lab Code: ACE

SDG NO.: Q3552

Client ID : SSTDCCC0.4

Date Analyzed: 11/07/2025

Lab File ID: BN038147.D

Time Analyzed: 09:39

Instrument ID: BNA_N

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

	IS1 (DCB) AREA #	RT #	IS2 (NPT) AREA #	RT #	IS3 (ANT) AREA #	RT #
12 HOUR STD	8319	7.775	24620	10.57	13514	14.43
UPPER LIMIT	16638	8.275	49240	11.073	27028	14.93
LOWER LIMIT	4159.5	7.275	12310	10.073	6757	13.93
EPA SAMPLE NO.						
01 PB170427BS	9551	7.79	28713	10.58	15548	14.44
02 PB170427BSD	10026	7.78	28983	10.57	15515	14.43
03 MW-4	9584	7.78	31274	10.57	19621	14.43
04 MW-8	9440	7.78	31588	10.57	21904	14.43
05 MW-9	10349	7.78	33209	10.57	28422 *	14.43
06 MW-10	8828	7.78	28618	10.57	17122	14.43
07 MW-3	10844	7.78	36387	10.57	31553 *	14.43

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

IS2 (NPT) = Naphthalene-d8

IS3 (ANT) = Acenaphthene-d10

AREA UPPER LIMIT = +100% of internal standard area

AREA LOWER LIMIT = -50% of internal standard area

RT UPPER LIMIT = +0.50 minutes of internal standard RT

RT UPPER LIMIT = -0.50 minutes of internal standard RT

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

* Values outside of QC limits.

8C

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Alliance

Lab Code: ACE

SDG NO.: Q3552

Client ID: SSTDCCC0.4

Date Analyzed: 11/07/2025

Lab File ID: BN038147.D

Time Analyzed: 09:39

Instrument ID: BNA_N

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

		IS4 (PHN) AREA #	RT #	IS5 (CRY) AREA #	RT #	IS6 (PRY) AREA #	RT #
	12 HOUR STD	25821	17.186	19154	21.375	16199	23.683
	UPPER LIMIT	51642	17.686	38308	21.875	32398	24.183
	LOWER LIMIT	12910.5	16.686	9577	20.875	8099.5	23.183
	EPA SAMPLE NO.						
01	PB170427BS	28280	17.19	19896	21.38	16901	23.70
02	PB170427BSD	27421	17.19	14748	21.38	12843	23.69
03	MW-4	29623	17.19	19333	21.38	19622	23.69
04	MW-8	34017	17.19	18758	21.38	17749	23.69
05	MW-9	32687	17.19	18523	21.38	19674	23.69
06	MW-10	31605	17.19	18345	21.38	16948	23.69
07	MW-3	41176	17.19	24174	21.38	21532	23.69

IS4 (PHN) = Phenanthrene-d10

IS5 (CRY) = Chrysene-d12

IS6 (PRY) = Perylene-d12

AREA UPPER LIMIT = +100% of internal standard area

AREA LOWER LIMIT = -50% of internal standard area

RT UPPER LIMIT = +0.50 minutes of internal standard RT

RT UPPER LIMIT = -0.50 minutes of internal standard RT

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

* Values outside of QC limits.

8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Alliance

Lab Code: ACE

SDG NO.: Q3552

Client ID : SSTDCCC0.4

Date Analyzed: 11/10/2025

Lab File ID: BN038174.D

Time Analyzed: 10:14

Instrument ID: BNA_N

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

	IS1 (DCB) AREA #	RT #	IS2 (NPT) AREA #	RT #	IS3 (ANT) AREA #	RT #
12 HOUR STD	8757	7.782	27774	10.58	15906	14.44
UPPER LIMIT	17514	8.282	55548	11.084	31812	14.941
LOWER LIMIT	4378.5	7.282	13887	10.084	7953	13.941
EPA SAMPLE NO.						
01 PB170427BL	8905	7.78	26771	10.57	15040	14.43
02 MW-4DL	9410	7.78	31248	10.57	19363	14.43
03 MW-8DL	8860	7.78	29425	10.57	18072	14.43
04 MW-9DL	9073	7.78	30875	10.57	19011	14.43
05 MW-3DL	11254	7.78	37609	10.57	24476	14.43

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

IS2 (NPT) = Naphthalene-d8

IS3 (ANT) = Acenaphthene-d10

AREA UPPER LIMIT = +100% of internal standard area

AREA LOWER LIMIT = -50% of internal standard area

RT UPPER LIMIT = +0.50 minutes of internal standard RT

RT UPPER LIMIT = -0.50 minutes of internal standard RT

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

* Values outside of QC limits.

8C

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Alliance

Lab Code: ACE

SDG NO.: Q3552

Client ID: SSTDCCC0.4

Date Analyzed: 11/10/2025

Lab File ID: BN038174.D

Time Analyzed: 10:14

Instrument ID: BNA_N

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

	IS4 (PHN) AREA #	RT #	IS5 (CRY) AREA #	RT #	IS6 (PRY) AREA #	RT #
12 HOUR STD	29029	17.186	18717	21.375	15819	23.689
UPPER LIMIT	58058	17.686	37434	21.875	31638	24.189
LOWER LIMIT	14514.5	16.686	9358.5	20.875	7909.5	23.189
EPA SAMPLE NO.						
01 PB170427BL	27324	17.19	18808	21.38	16112	23.69
02 MW-4DL	36917	17.19	22577	21.38	19722	23.68
03 MW-8DL	31918	17.19	18273	21.38	17133	23.68
04 MW-9DL	33058	17.19	19022	21.38	17692	23.68
05 MW-3DL	44166	17.19	28574	21.38	24475	23.68

IS4 (PHN) = Phenanthrene-d10

IS5 (CRY) = Chrysene-d12

IS6 (PRY) = Perylene-d12

AREA UPPER LIMIT = +100% of internal standard area

AREA LOWER LIMIT = -50% of internal standard area

RT UPPER LIMIT = +0.50 minutes of internal standard RT

RT UPPER LIMIT = -0.50 minutes of internal standard RT

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

* Values outside of QC limits.



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

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

U = Not Detected

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 : BN038161.D
 Acq On : 07 Nov 2025 19:10
 Operator : RC/JU
 Sample : Q3552-01
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 MW-4

Manual Integrations
APPROVED

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

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

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

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

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

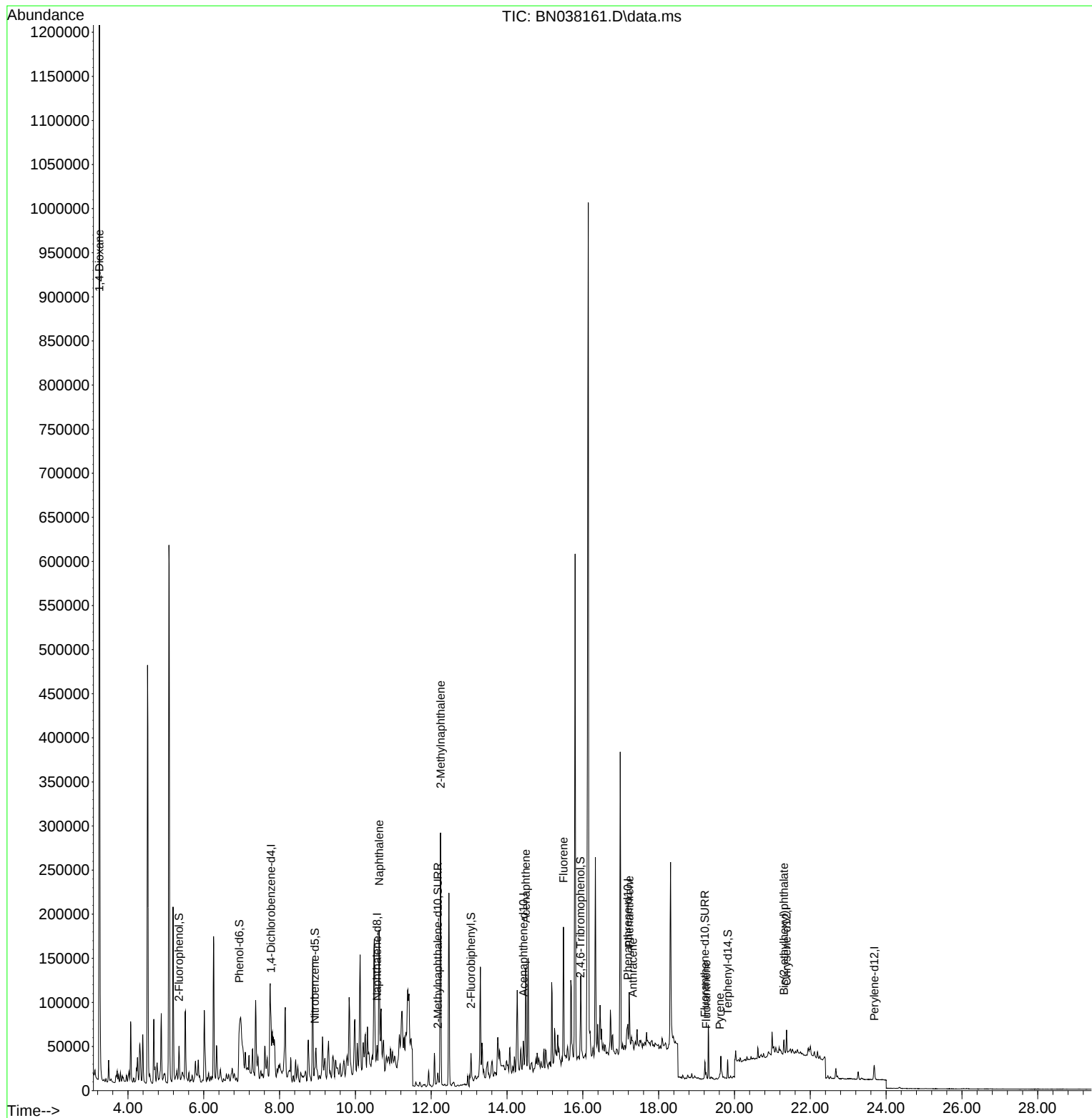
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Data File : BN038161.D
Acq On : 07 Nov 2025 19:10
Operator : RC/JU
Sample : Q3552-01
Misc :
ALS Vial : 16 Sample Multiplier: 1

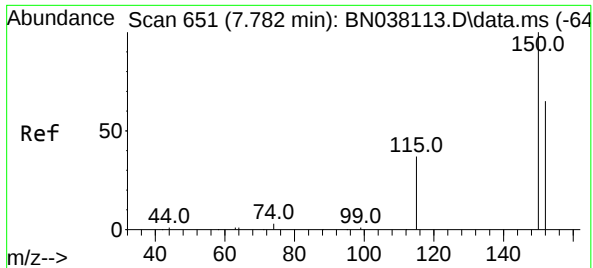
Instrument :
BNA_N
ClientSampleId :
MW-4

Manual Integrations
APPROVED

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

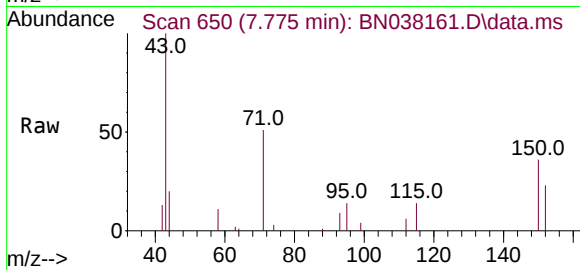
Quant Time: Nov 08 03:05:39 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN102825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Oct 29 13:09:46 2025
Response via : Initial Calibration





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

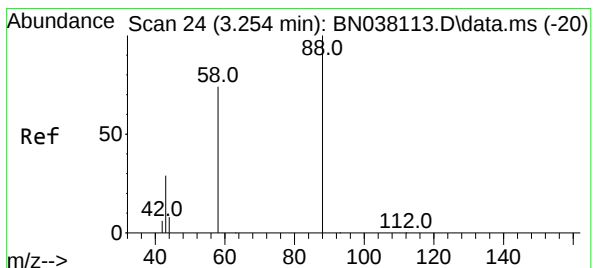
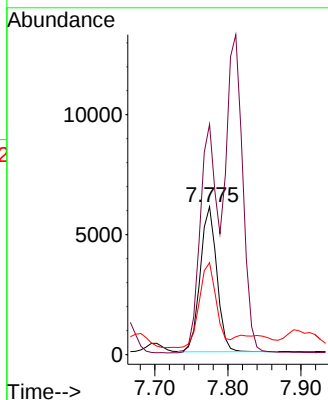
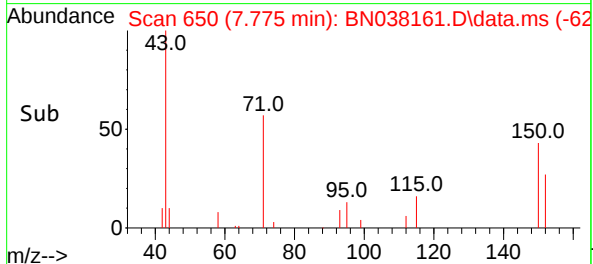
Instrument :
BNA_N
ClientSampleId :
MW-4



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

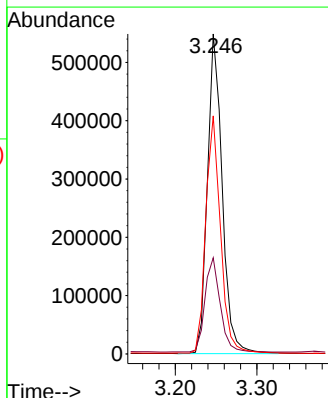
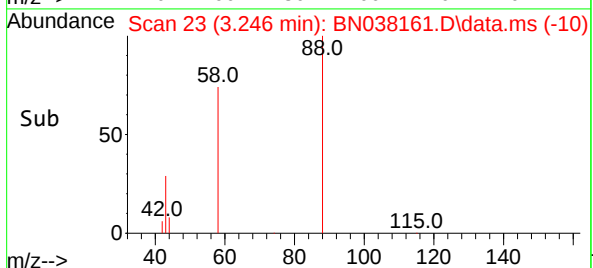
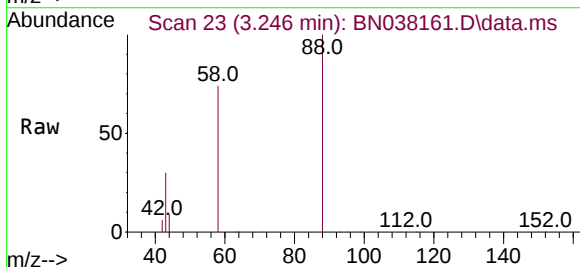
Manual Integrations
APPROVED

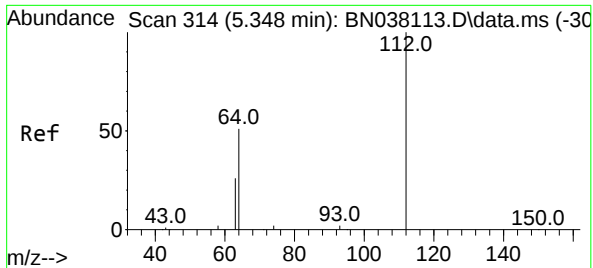
Reviewed By :Rahul Chavli 11/10/2025
Supervised By :Jagrut Upadhyay 11/10/2025



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

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





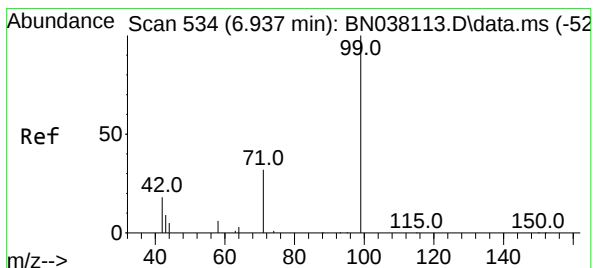
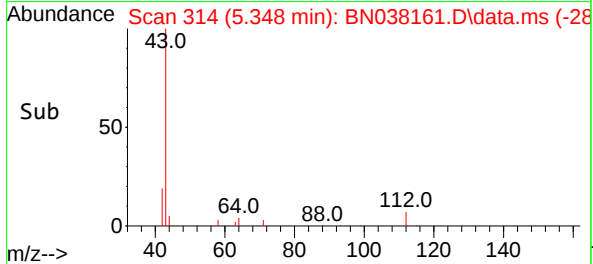
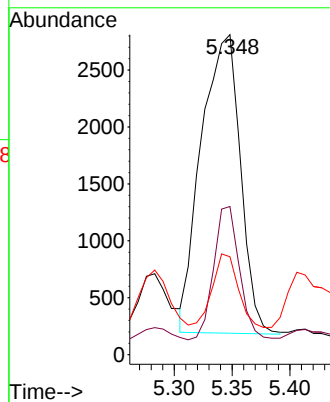
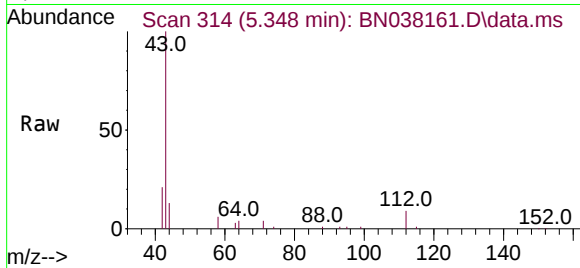
#4
2-Fluorophenol
Concen: 0.273 ng
RT: 5.348 min Scan# 314
Delta R.T. -0.000 min
Lab File: BN038161.D
Acq: 07 Nov 2025 19:10

Instrument :
BNA_N
ClientSampleId :
MW-4

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

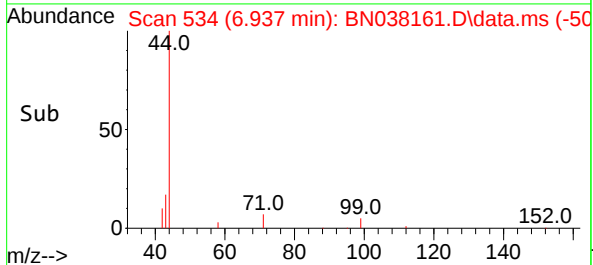
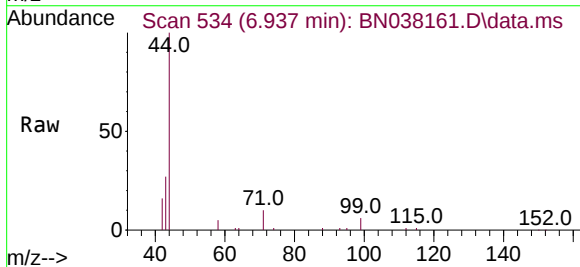
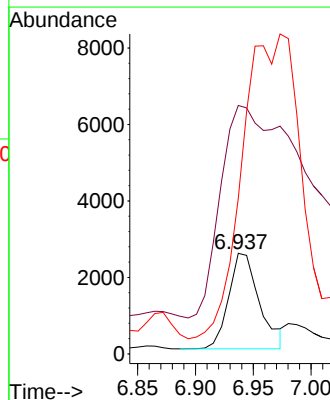
Manual Integrations
APPROVED

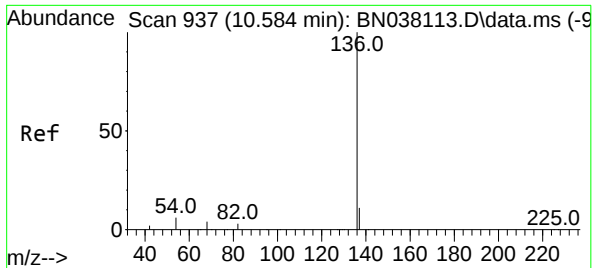
Reviewed By :Rahul Chavli 11/10/2025
Supervised By :Jagrut Upadhyay 11/10/2025



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

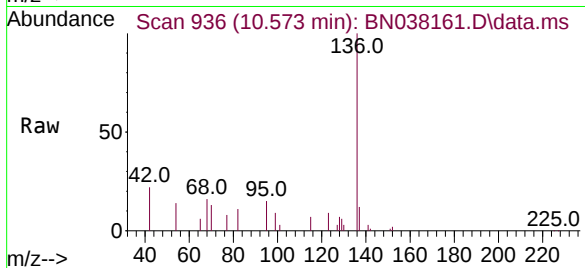
Tgt Ion: 99 Resp: 4629
Ion Ratio Lower Upper
99 100
42 748.7 16.6 24.8#
71 0.0 25.4 38.2#





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

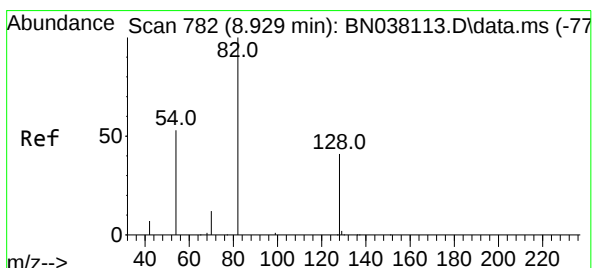
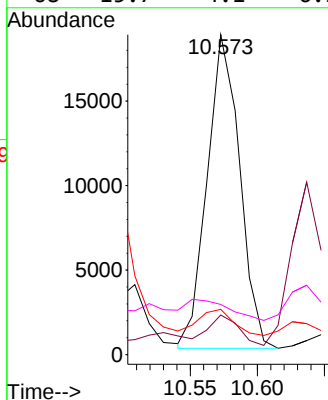
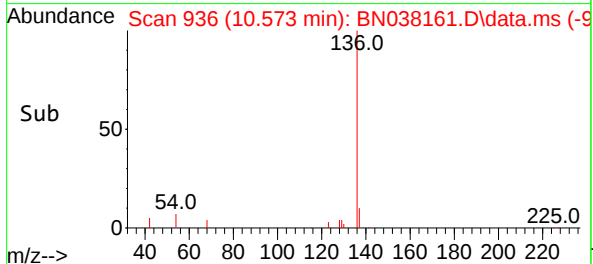
Instrument :
BNA_N
ClientSampleId :
MW-4



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

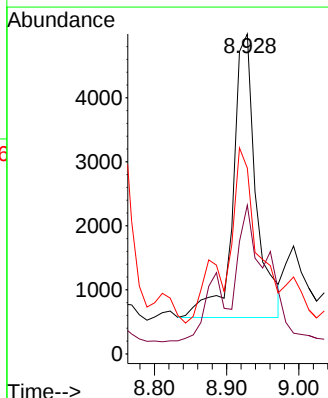
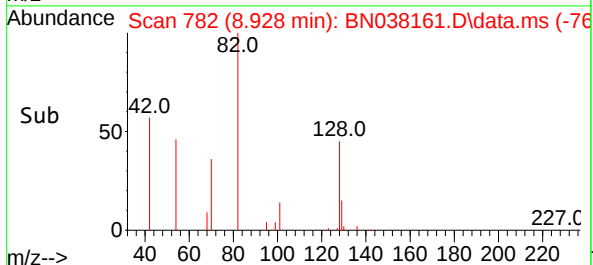
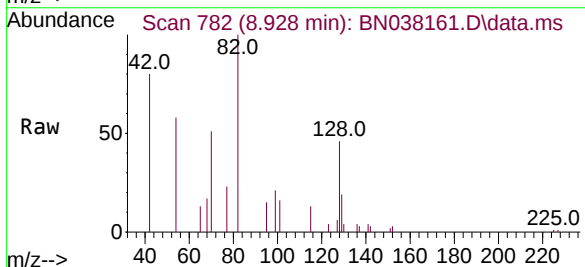
Manual Integrations
APPROVED

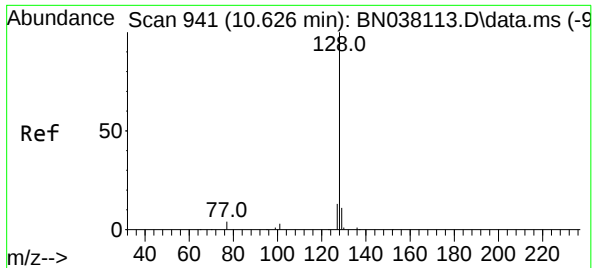
Reviewed By :Rahul Chavli 11/10/2025
Supervised By :Jagrut Upadhyay 11/10/2025



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

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





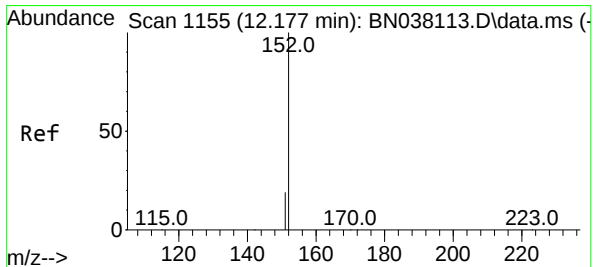
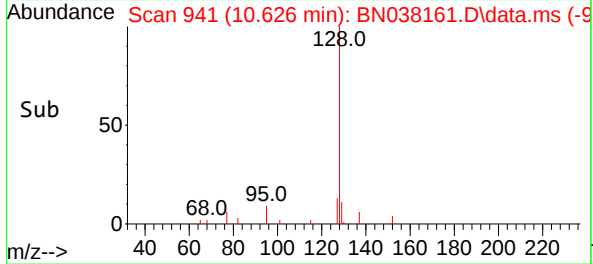
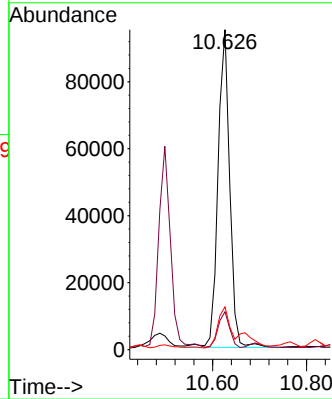
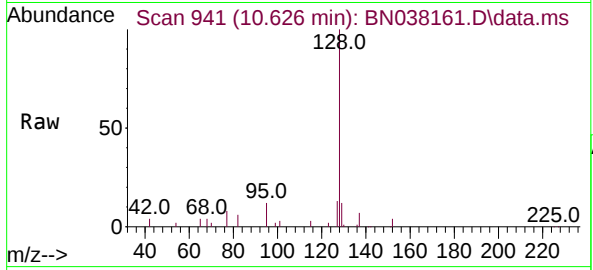
#9
Naphthalene
Concen: 1.912 ng
RT: 10.626 min Scan# 941
Delta R.T. -0.000 min
Lab File: BN038161.D
Acq: 07 Nov 2025 19:10

Instrument :
BNA_N
ClientSampleId :
MW-4

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

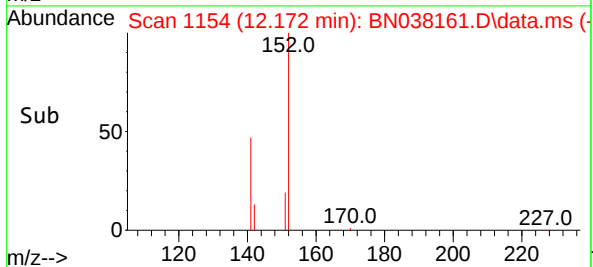
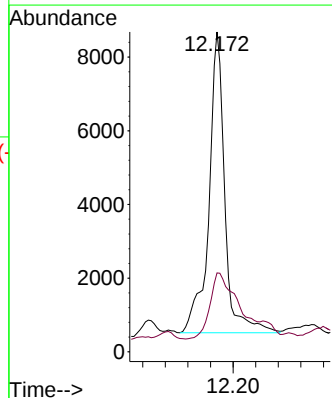
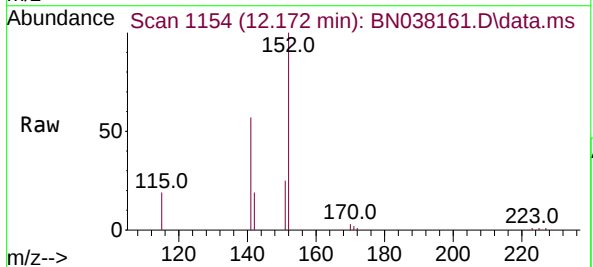
Manual Integrations
APPROVED

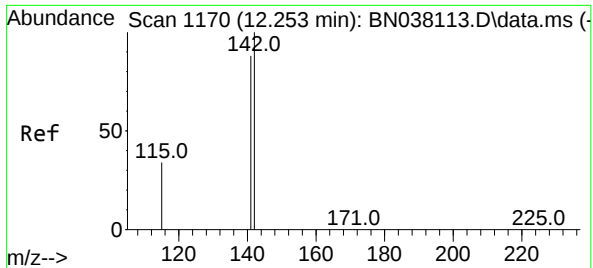
Reviewed By :Rahul Chavli 11/10/2025
Supervised By :Jagrut Upadhyay 11/10/2025



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

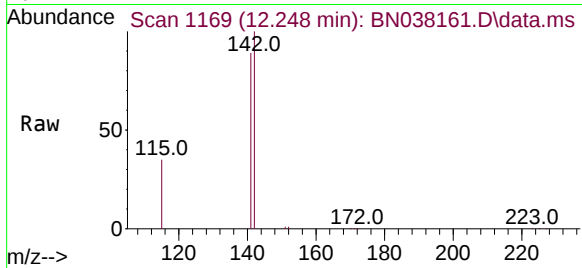
Tgt Ion:152 Resp: 15980
Ion Ratio Lower Upper
152 100
151 39.4 16.8 25.2#





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

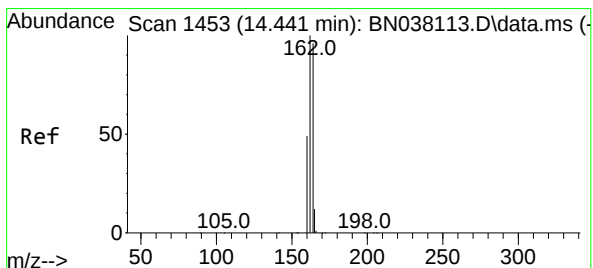
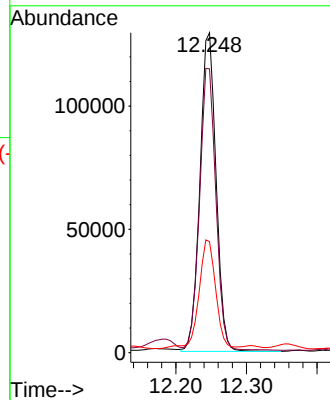
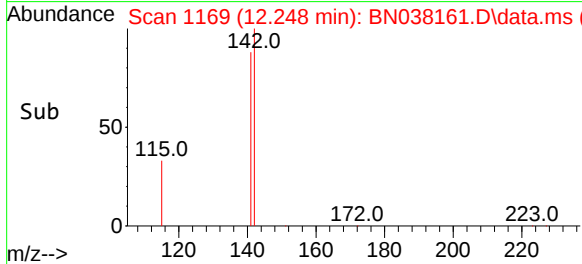
Instrument :
BNA_N
ClientSampleId :
MW-4



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

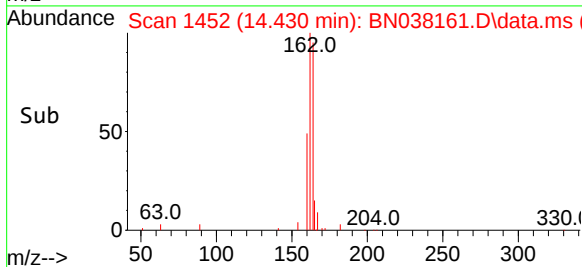
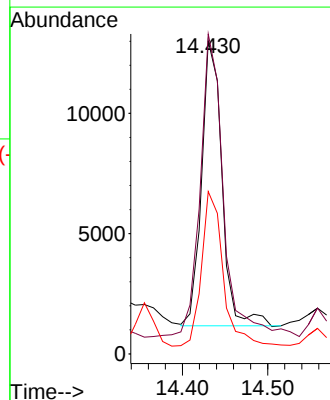
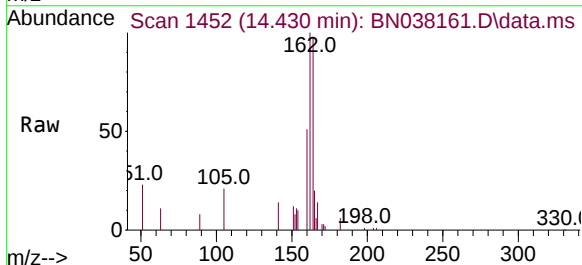
Manual Integrations
APPROVED

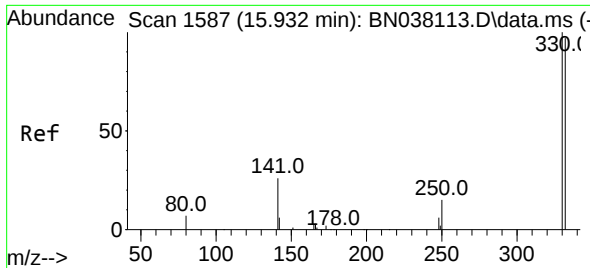
Reviewed By :Rahul Chavli 11/10/2025
Supervised By :Jagrut Upadhyay 11/10/2025



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

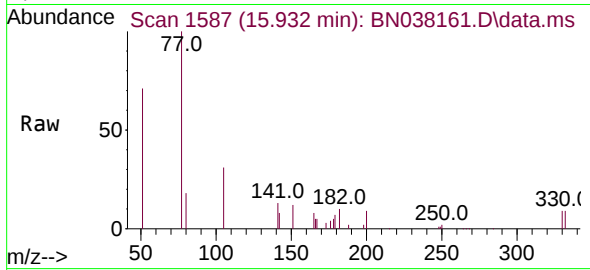
Tgt Ion:164 Resp: 19621
Ion Ratio Lower Upper
164 100
162 102.2 83.0 124.4
160 51.9 40.7 61.1





#14
2,4,6-Tribromophenol
Concen: 0.371 ng
RT: 15.932 min Scan# 1587
Delta R.T. -0.000 min
Lab File: BN038161.D
Acq: 07 Nov 2025 19:10

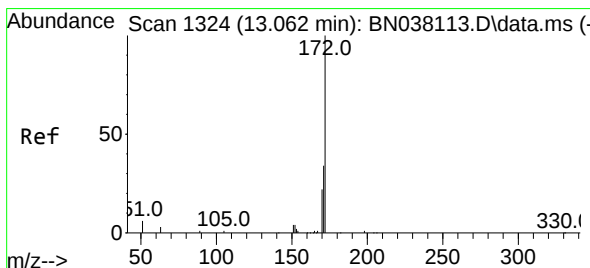
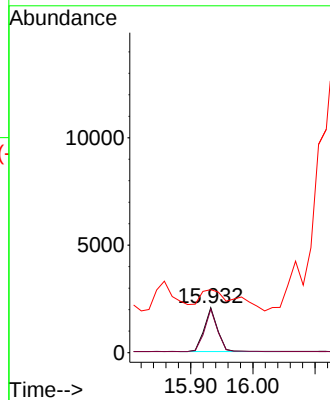
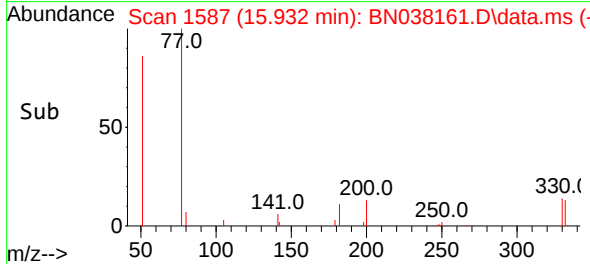
Instrument :
BNA_N
ClientSampleId :
MW-4



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

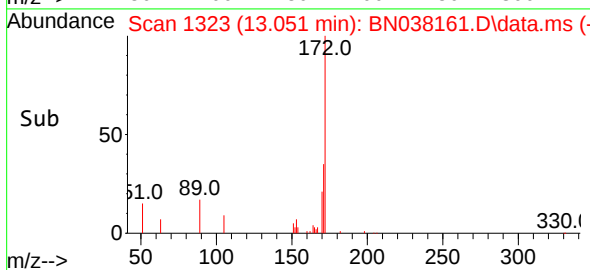
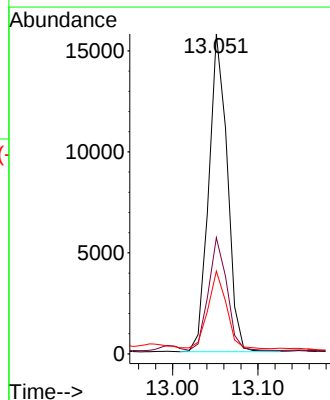
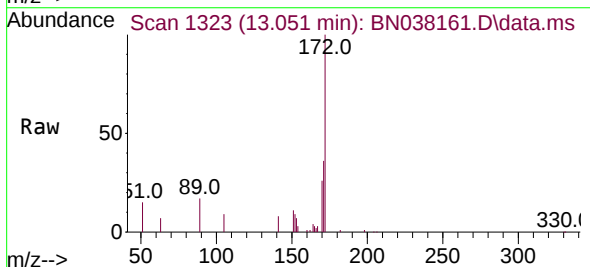
Manual Integrations
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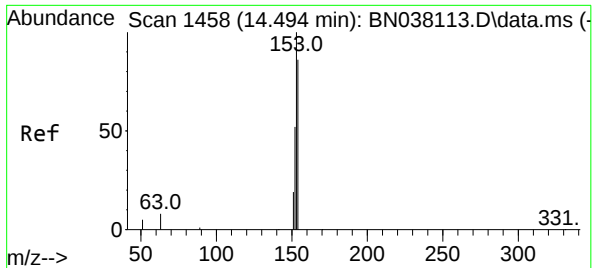
Reviewed By :Rahul Chavli 11/10/2025
Supervised By :Jagrut Upadhyay 11/10/2025



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

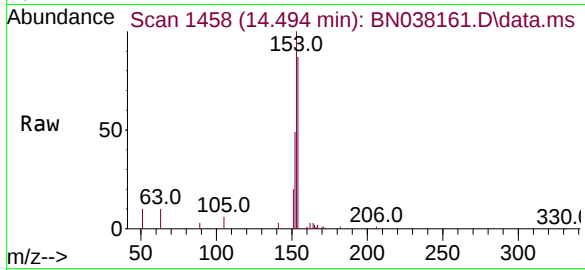
Tgt Ion: 172 Resp: 23813
Ion Ratio Lower Upper
172 100
171 36.3 27.8 41.6
170 25.9 18.1 27.1





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

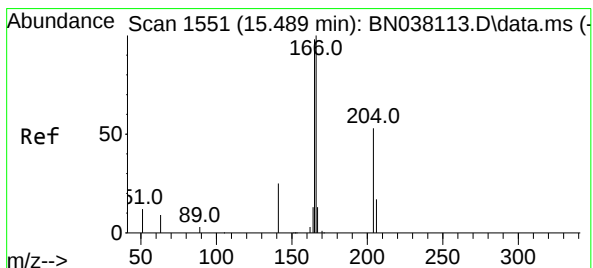
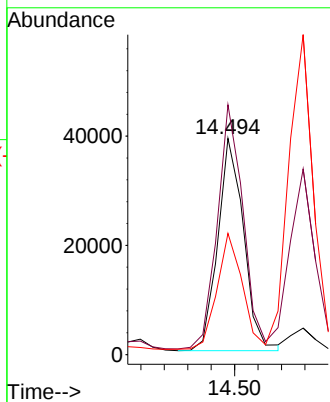
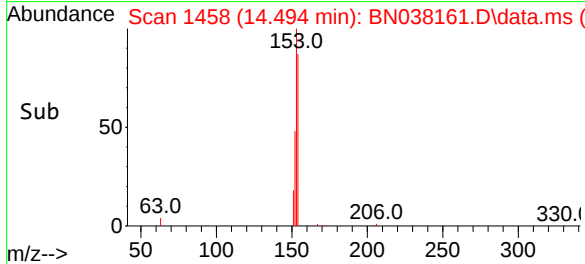
Instrument :
BNA_N
ClientSampleId :
MW-4



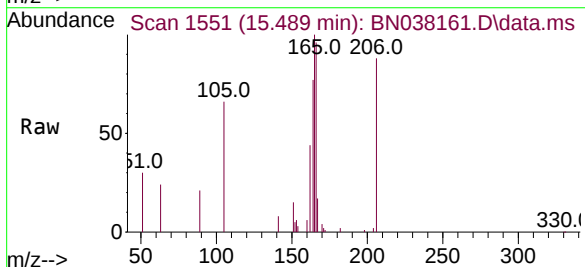
Tgt Ion:154 Resp: 59416
Ion Ratio Lower Upper
154 100
153 114.2 90.0 135.0
152 53.9 47.3 70.9

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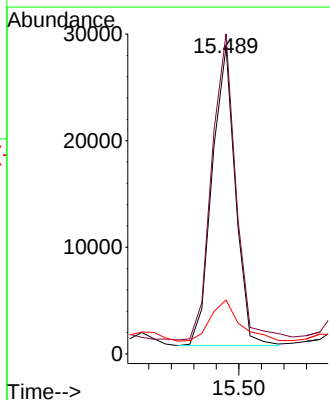
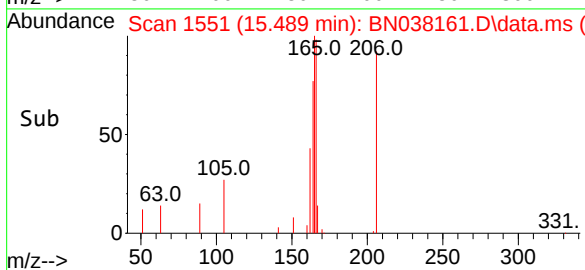
Reviewed By :Rahul Chavli 11/10/2025
Supervised By :Jagrut Upadhyay 11/10/2025

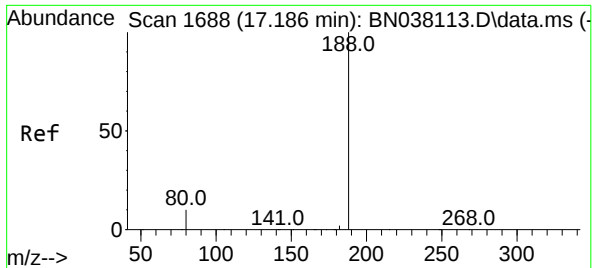


#18
Fluorene
Concen: 0.515 ng
RT: 15.489 min Scan# 1551
Delta R.T. -0.000 min
Lab File: BN038161.D
Acq: 07 Nov 2025 19:10



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





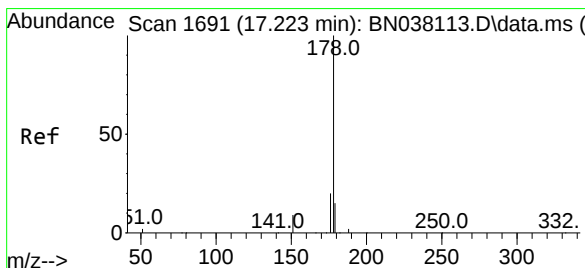
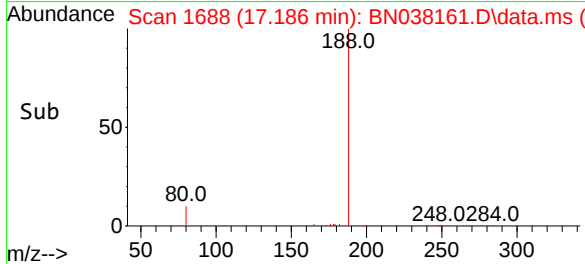
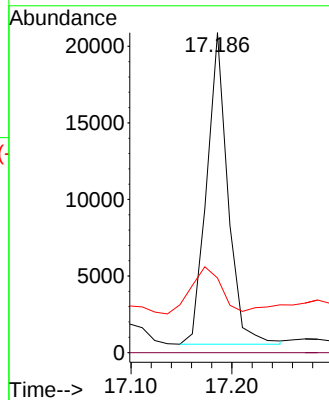
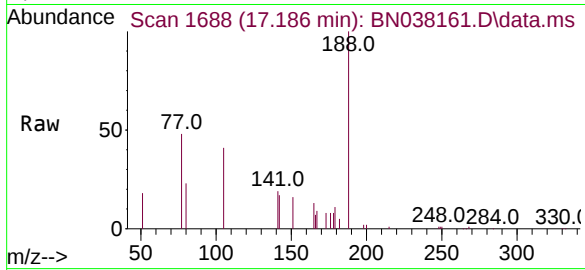
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.186 min Scan# 1688
Delta R.T. -0.000 min
Lab File: BN038161.D
Acq: 07 Nov 2025 19:10

Instrument :
BNA_N
ClientSampleId :
MW-4

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

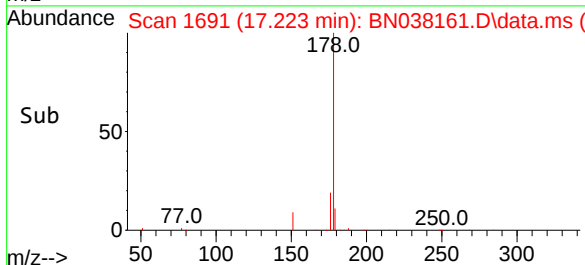
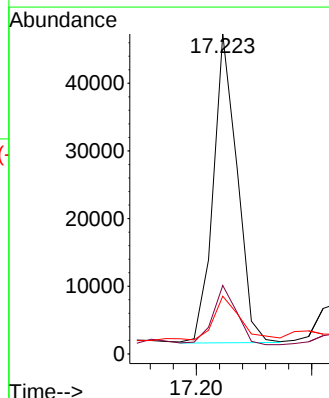
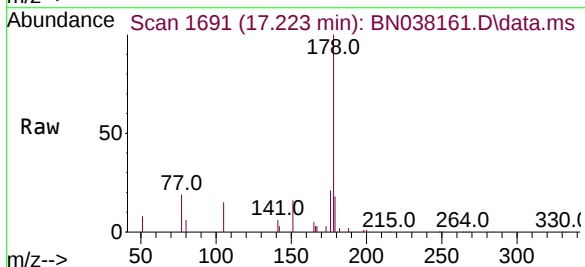
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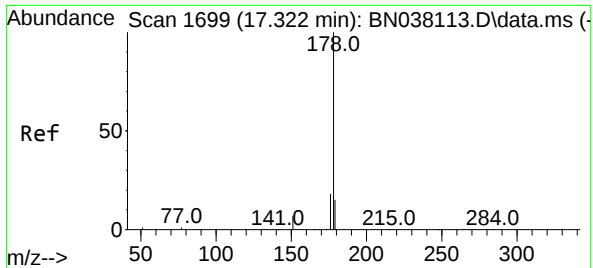
Reviewed By :Rahul Chavli 11/10/2025
Supervised By :Jagrut Upadhyay 11/10/2025



#25
Phenanthrene
Concen: 0.698 ng
RT: 17.223 min Scan# 1691
Delta R.T. -0.000 min
Lab File: BN038161.D
Acq: 07 Nov 2025 19:10

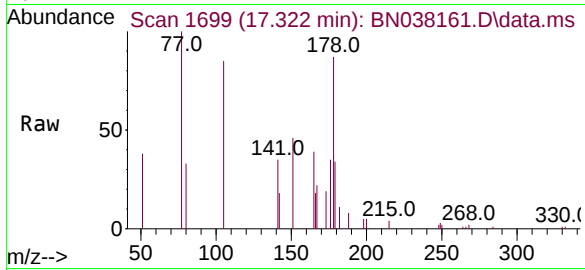
Tgt Ion:178 Resp: 65665
Ion Ratio Lower Upper
178 100
176 19.9 15.5 23.3
179 19.0 12.2 18.4





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

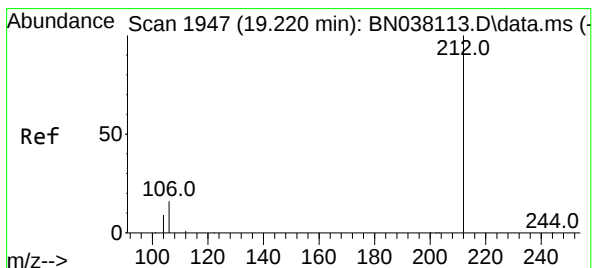
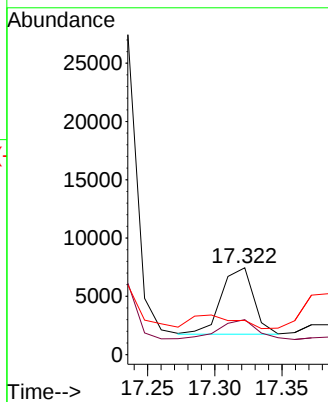
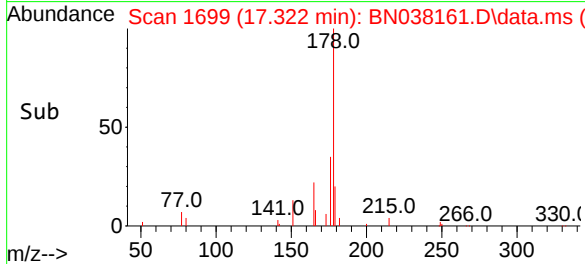
Instrument :
 BNA_N
 ClientSampleId :
 MW-4



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

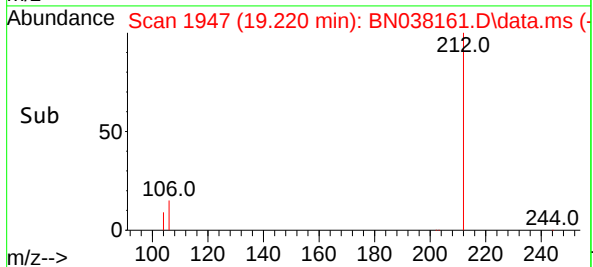
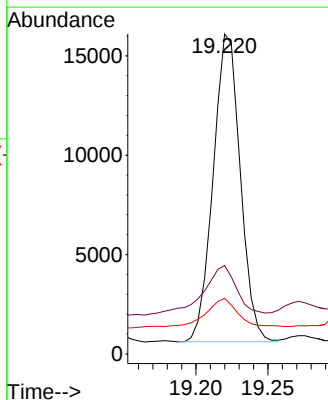
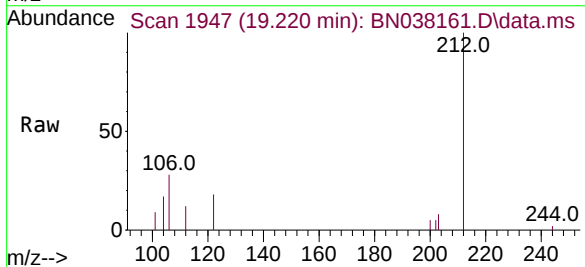
Manual Integrations
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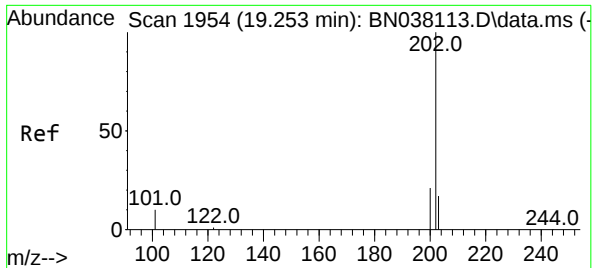
Reviewed By :Rahul Chavli 11/10/2025
 Supervised By :Jagrut Upadhyay 11/10/2025



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

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





#28

Fluoranthene

Concen: 0.054 ng

RT: 19.252 min Scan# 1954

Delta R.T. -0.000 min

Lab File: BN038161.D

Acq: 07 Nov 2025 19:10

Instrument :

BNA_N

ClientSampleId :

MW-4

Tgt Ion:202 Resp: 5689

Ion Ratio Lower Upper

202 100

101 36.4 9.4 14.2

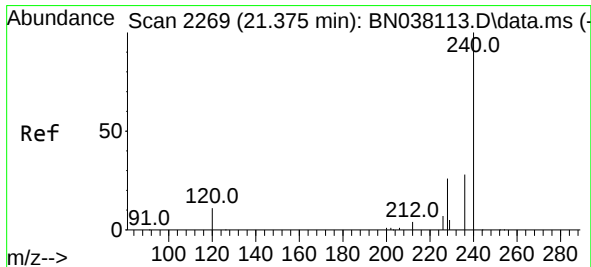
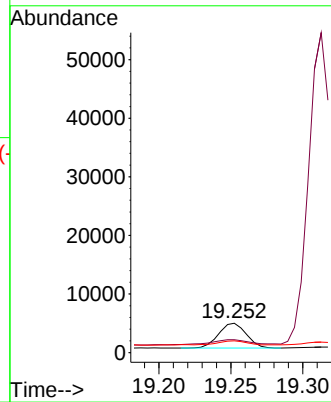
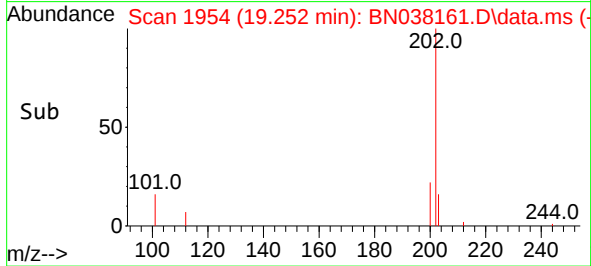
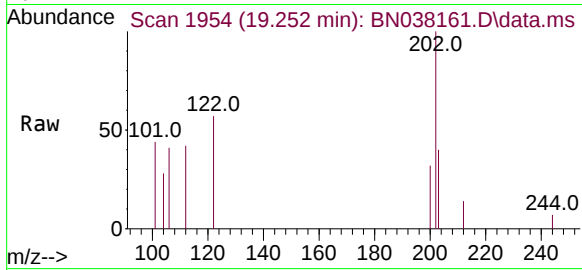
203 20.9 13.4 20.2

Manual Integrations

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Reviewed By :Rahul Chavli 11/10/2025

Supervised By :Jagrut Upadhyay 11/10/2025



#29

Chrysene-d12

Concen: 0.400 ng

RT: 21.375 min Scan# 2269

Delta R.T. -0.000 min

Lab File: BN038161.D

Acq: 07 Nov 2025 19:10

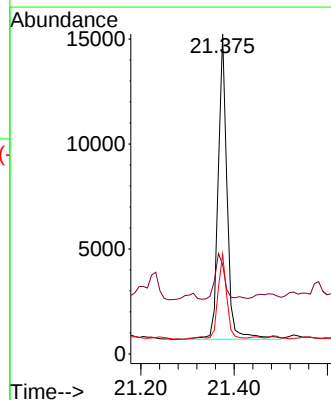
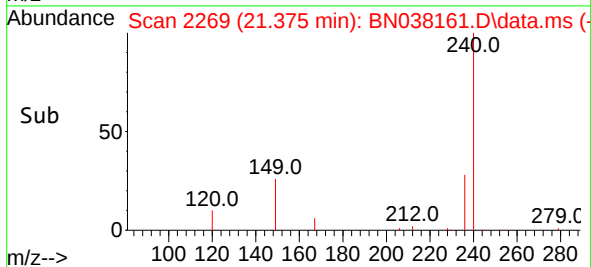
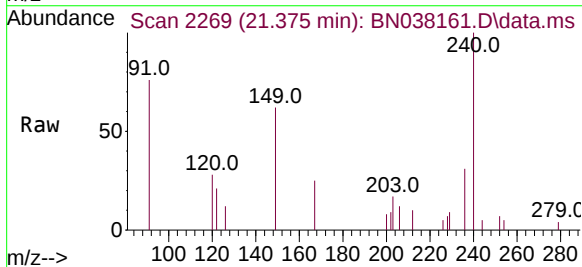
Tgt Ion:240 Resp: 19333

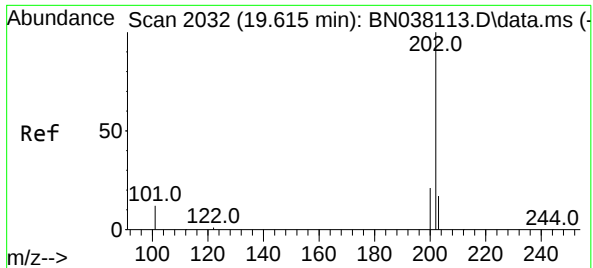
Ion Ratio Lower Upper

240 100

120 27.9 10.7 16.1

236 31.2 23.1 34.7





#30

Pyrene

Concen: 0.053 ng

RT: 19.615 min Scan# 2032

Delta R.T. 0.005 min

Lab File: BN038161.D

Acq: 07 Nov 2025 19:10

Instrument :

BNA_N

ClientSampleId :

MW-4

Tgt Ion:202 Resp: 4584

Ion Ratio Lower Upper

202 100

200 37.2 16.7 25.1#

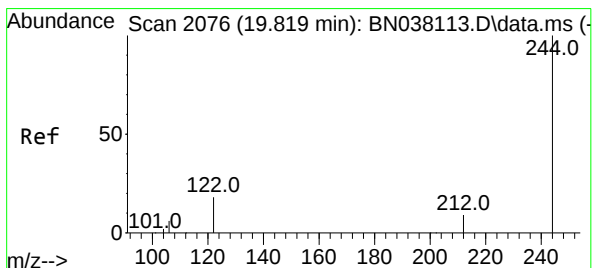
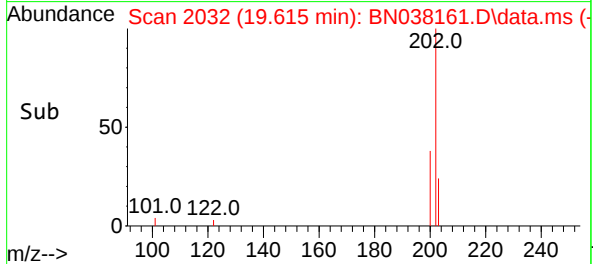
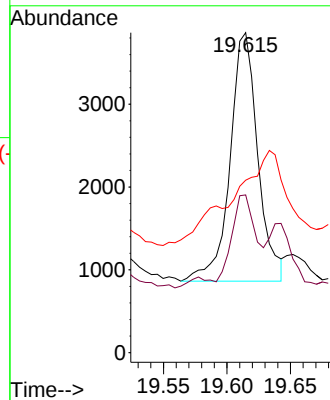
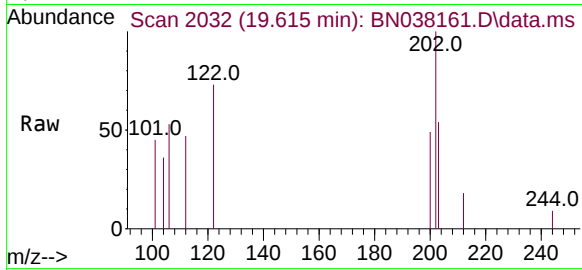
203 0.0 14.2 21.2#

Manual Integrations

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Reviewed By :Rahul Chavli 11/10/2025

Supervised By :Jagrut Upadhyay 11/10/2025



#31

Terphenyl-d14

Concen: 0.455 ng

RT: 19.819 min Scan# 2076

Delta R.T. -0.000 min

Lab File: BN038161.D

Acq: 07 Nov 2025 19:10

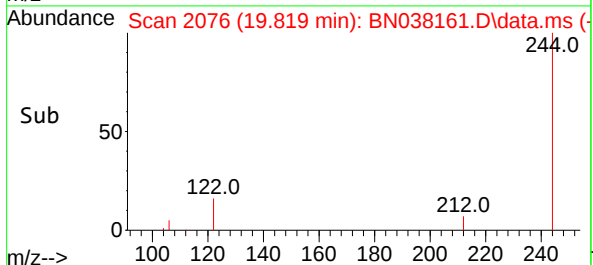
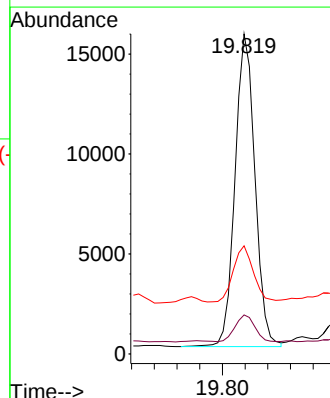
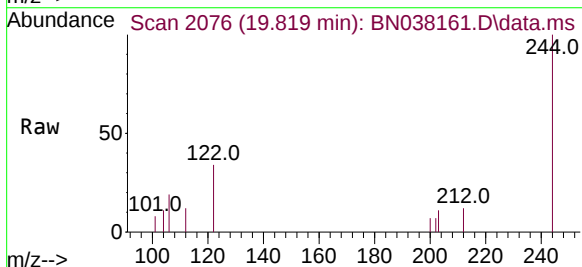
Tgt Ion:244 Resp: 19095

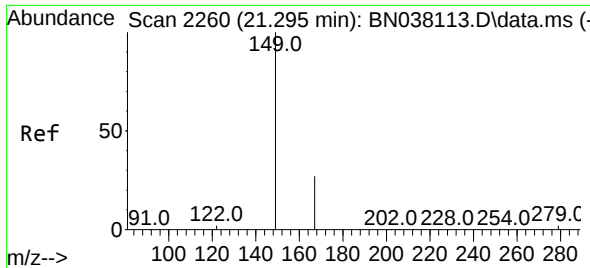
Ion Ratio Lower Upper

244 100

212 12.2 7.8 11.6#

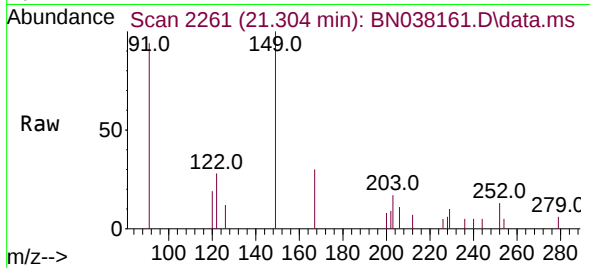
122 33.8 15.2 22.8#





#34
Bis(2-ethylhexyl)phthalate
Concen: 0.393 ng
RT: 21.304 min Scan# 21
Delta R.T. 0.009 min
Lab File: BN038161.D
Acq: 07 Nov 2025 19:10

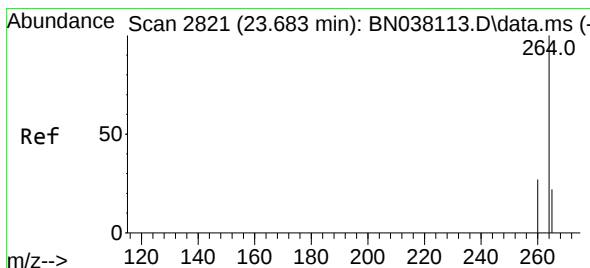
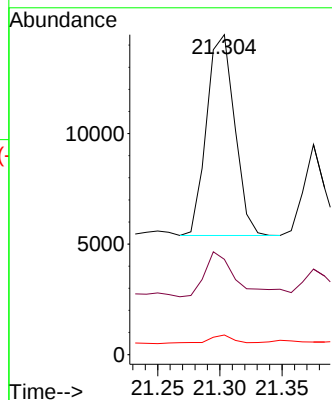
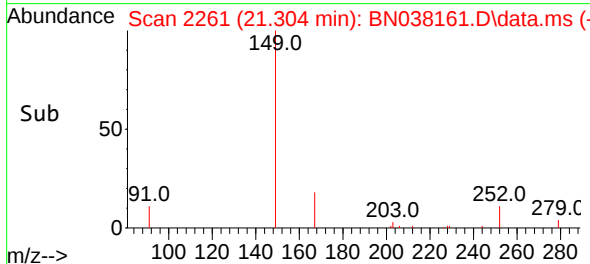
Instrument :
BNA_N
ClientSampleId :
MW-4



Tgt Ion:149 Resp: 14269
Ion Ratio Lower Upper
149 100
167 24.1 21.1 31.7
279 3.9 2.9 4.3

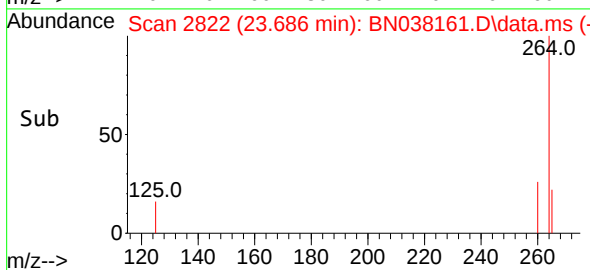
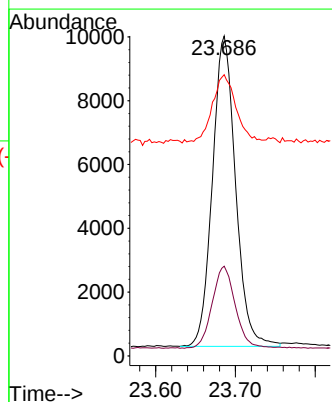
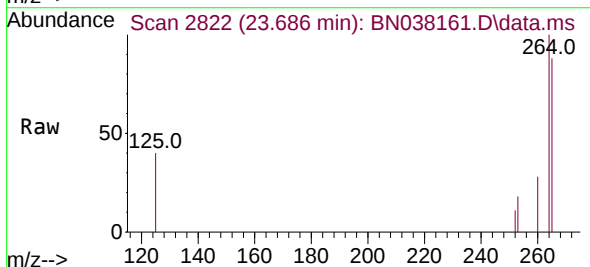
Manual Integrations
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Reviewed By :Rahul Chavli 11/10/2025
Supervised By :Jagrut Upadhyay 11/10/2025



#35
Perylene-d12
Concen: 0.400 ng
RT: 23.686 min Scan# 2822
Delta R.T. 0.006 min
Lab File: BN038161.D
Acq: 07 Nov 2025 19:10

Tgt Ion:264 Resp: 19622
Ion Ratio Lower Upper
264 100
260 28.0 21.8 32.8
265 87.9 68.6 102.8





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

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

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 : BN038177.D
 Acq On : 10 Nov 2025 12:02
 Operator : RC/JU
 Sample : Q3552-01DL 40X
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 MW-4DL

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

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

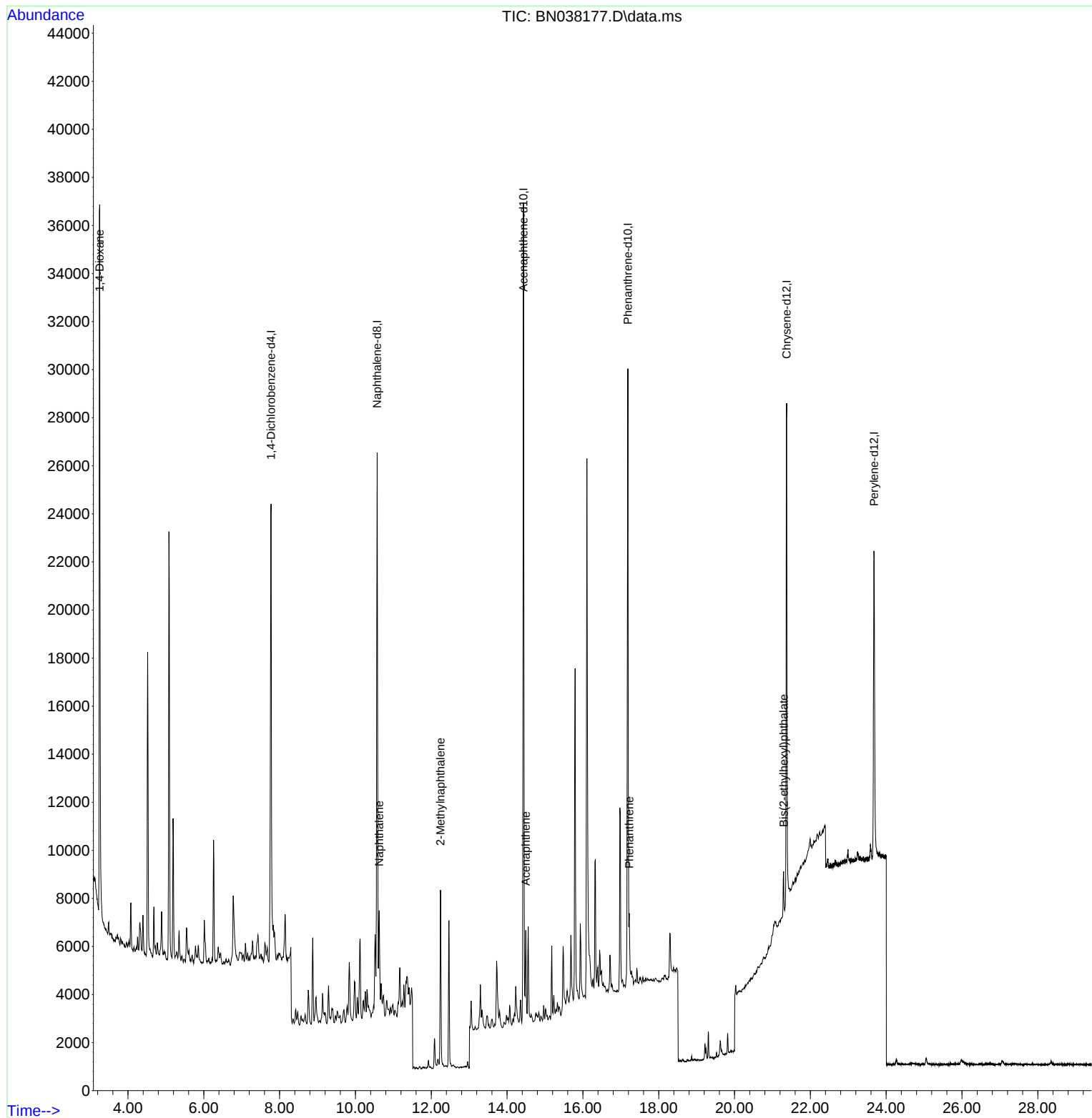
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.775	152	9410	0.400	ng	0.00
7) Naphthalene-d8	10.573	136	31248	0.400	ng	# 0.00
13) Acenaphthene-d10	14.430	164	19363	0.400	ng	0.00
19) Phenanthrene-d10	17.186	188	36917	0.400	ng	0.00
29) Chrysene-d12	21.375	240	22577	0.400	ng	0.00
35) Perylene-d12	23.680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

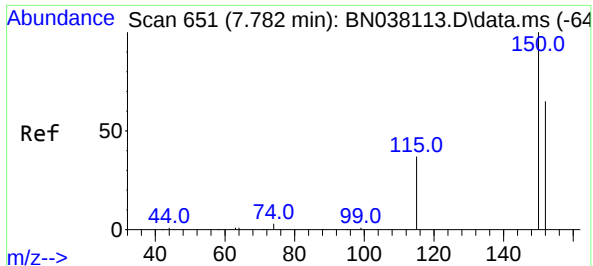
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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

Instrument :
BNA_N
ClientSampleId :
MW-4DL

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

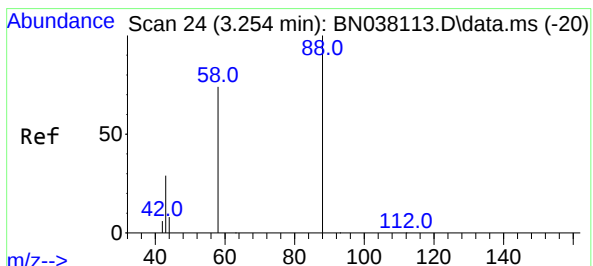
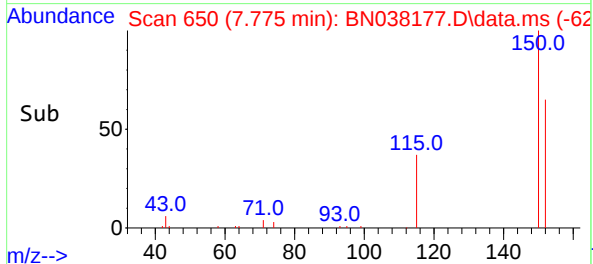
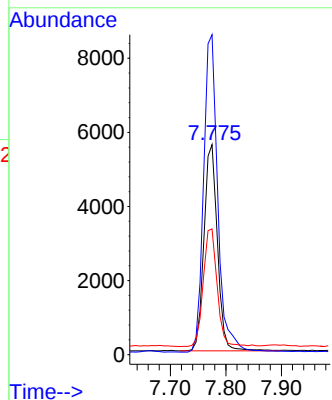
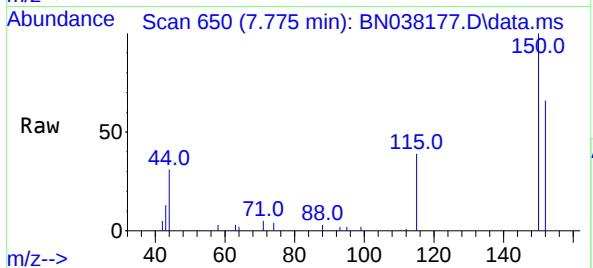




#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.775 min Scan# 61
Delta R.T. -0.000 min
Lab File: BN038177.D
Acq: 10 Nov 2025 12:02

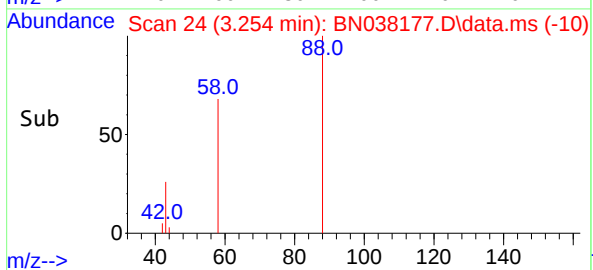
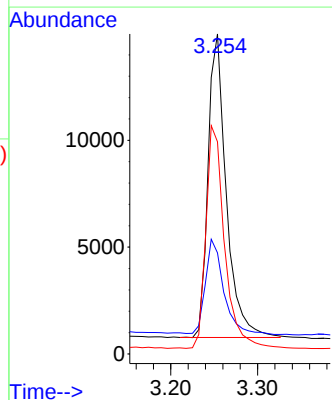
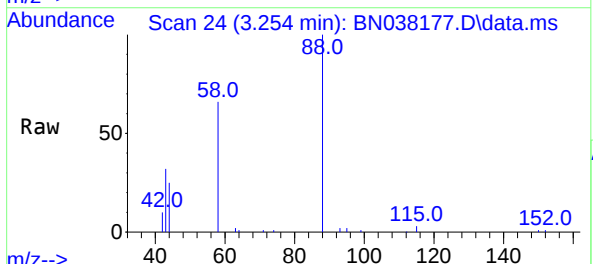
Instrument :
BNA_N
ClientSampleId :
MW-4DL

Tgt Ion:152 Resp: 9410
Ion Ratio Lower Upper
152 100
150 152.3 122.3 183.5
115 59.8 47.4 71.0

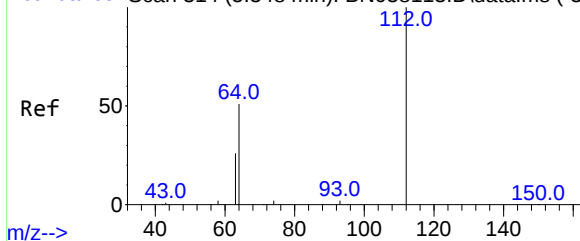


#2
1,4-Dioxane
Concen: 2.141 ng
RT: 3.254 min Scan# 24
Delta R.T. -0.000 min
Lab File: BN038177.D
Acq: 10 Nov 2025 12:02

Tgt Ion: 88 Resp: 20812
Ion Ratio Lower Upper
88 100
43 31.6 24.3 36.5
58 74.6 60.4 90.6



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



#4

2-Fluorophenol

Concen: 0.010 ng

RT: 5.341 min Scan# 31

Delta R.T. -0.007 min

Lab File: BN038177.D

Acq: 10 Nov 2025 12:02

Instrument :

BNA_N

ClientSampleId :

MW-4DL

Tgt Ion:112 Resp: 215

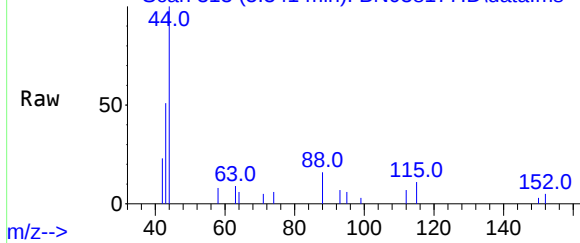
Ion Ratio Lower Upper

112 100

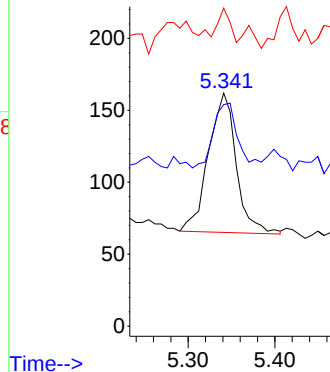
64 45.1 45.4 68.0#

63 16.3 23.2 34.8#

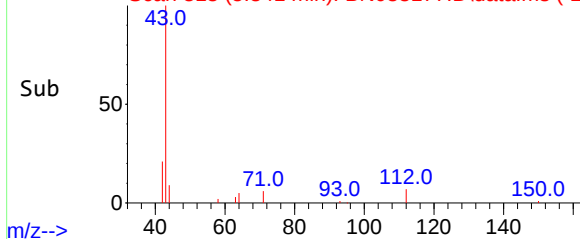
Abundance Scan 313 (5.341 min): BN038177.D\data.ms



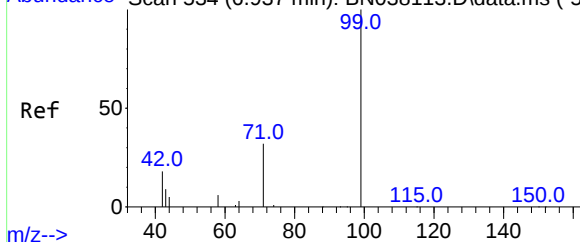
Abundance



Abundance Scan 313 (5.341 min): BN038177.D\data.ms (-28



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



#5

Phenol-d6

Concen: 0.005 ng

RT: 6.944 min Scan# 535

Delta R.T. 0.007 min

Lab File: BN038177.D

Acq: 10 Nov 2025 12:02

Tgt Ion: 99 Resp: 147

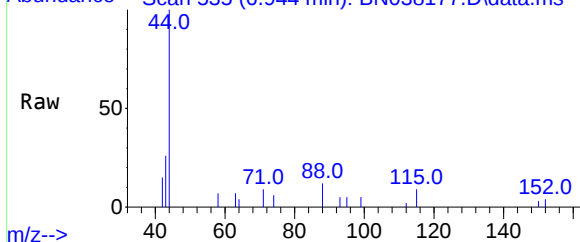
Ion Ratio Lower Upper

99 100

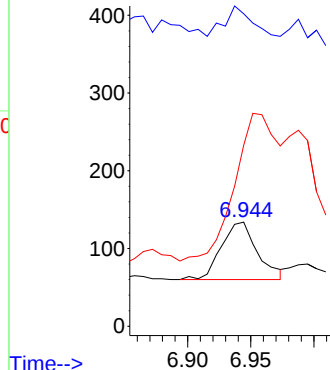
42 44.2 16.6 24.8#

71 306.1 25.4 38.2#

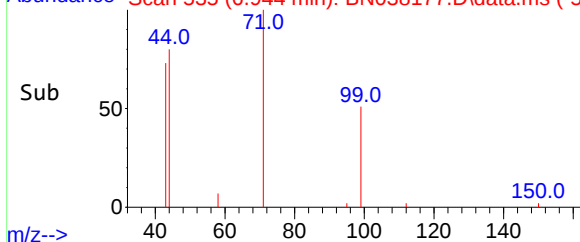
Abundance Scan 535 (6.944 min): BN038177.D\data.ms

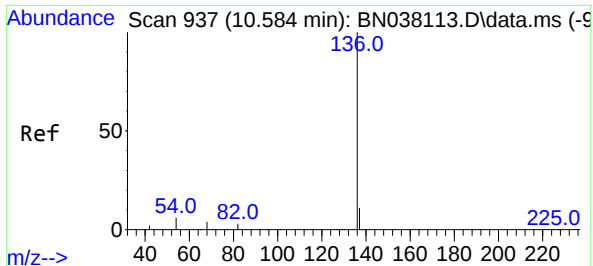


Abundance



Abundance Scan 535 (6.944 min): BN038177.D\data.ms (-50

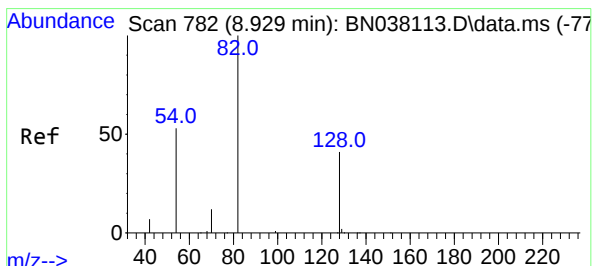
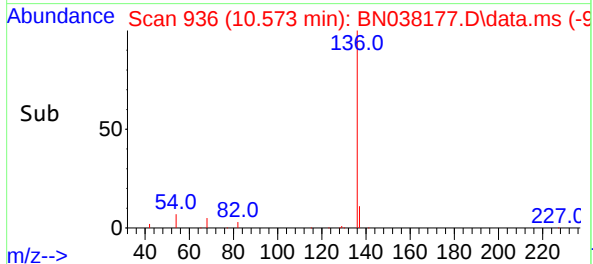
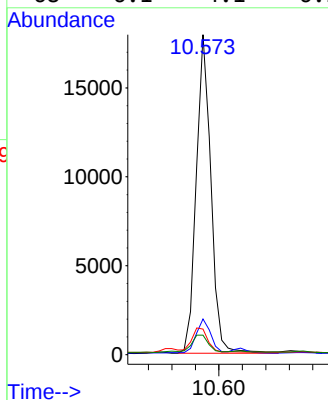
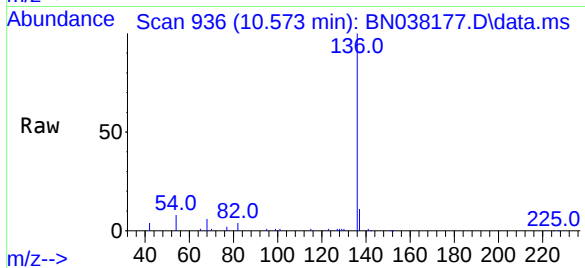




#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.573 min Scan# 91
Delta R.T. -0.000 min
Lab File: BN038177.D
Acq: 10 Nov 2025 12:02

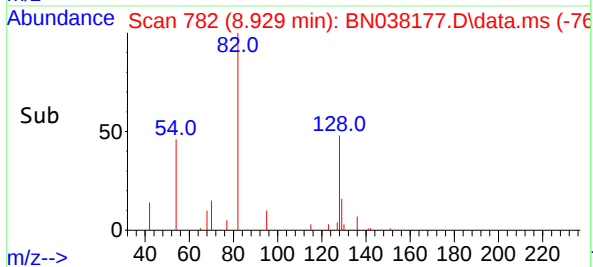
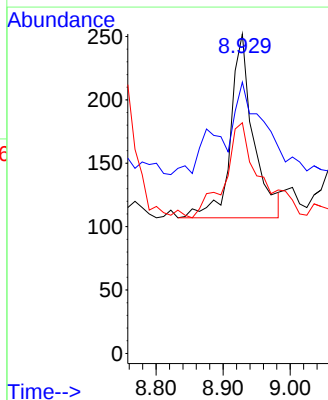
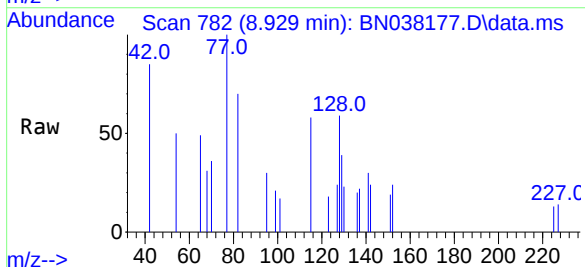
Instrument :
BNA_N
ClientSampleId :
MW-4DL

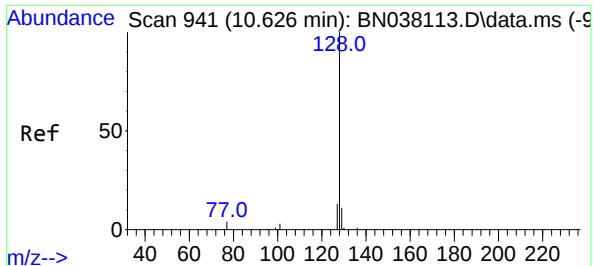
Tgt Ion:136 Resp: 31248
Ion Ratio Lower Upper
136 100
137 11.1 9.0 13.4
54 8.0 5.2 7.8#
68 6.1 4.1 6.1



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

Tgt Ion: 82 Resp: 343
Ion Ratio Lower Upper
82 100
128 84.9 34.1 51.1#
54 72.2 43.5 65.3#

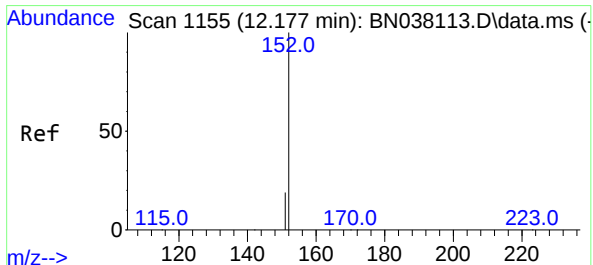
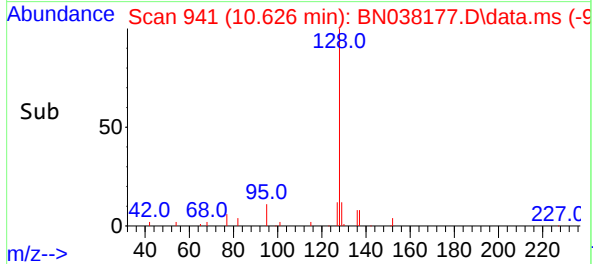
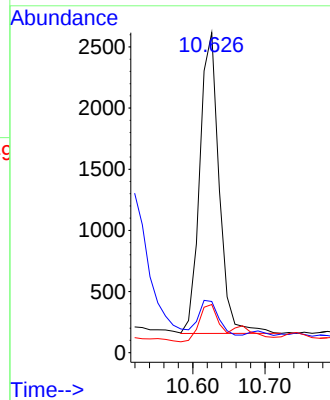
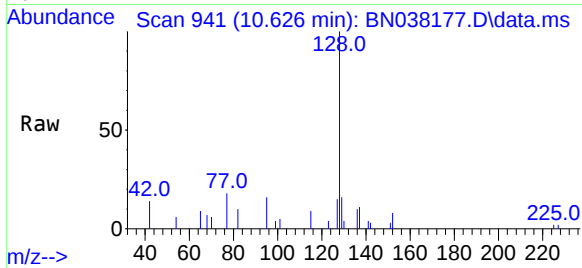




#9
Naphthalene
Concen: 0.053 ng
RT: 10.626 min Scan# 941
Delta R.T. -0.000 min
Lab File: BN038177.D
Acq: 10 Nov 2025 12:02

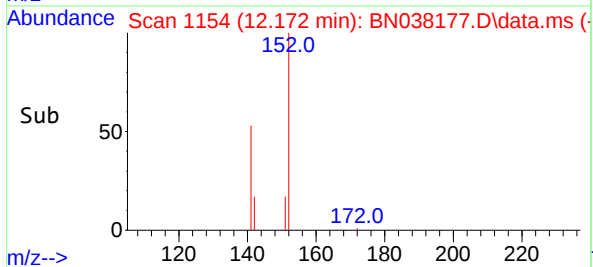
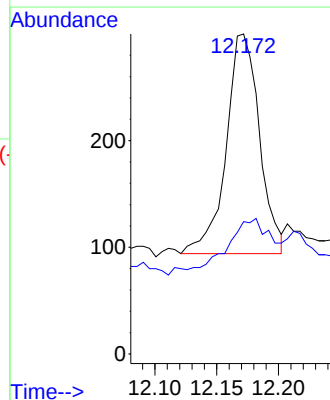
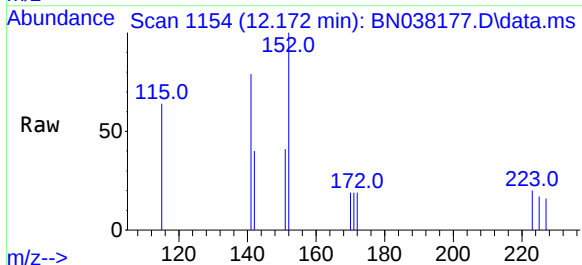
Instrument :
BNA_N
ClientSampleId :
MW-4DL

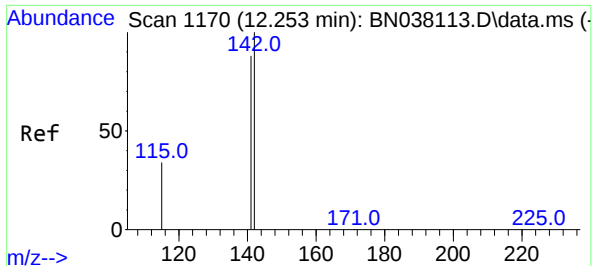
Tgt Ion:128 Resp: 4596
Ion Ratio Lower Upper
128 100
129 16.0 9.1 13.7#
127 15.0 10.5 15.7



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

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





#12

2-Methylnaphthalene

Concen: 0.098 ng

RT: 12.243 min Scan# 11

Delta R.T. -0.005 min

Lab File: BN038177.D

Acq: 10 Nov 2025 12:02

Instrument :

BNA_N

ClientSampleId :

MW-4DL

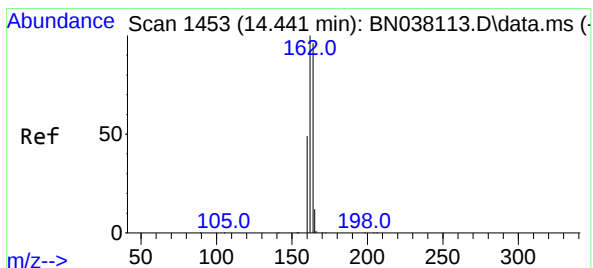
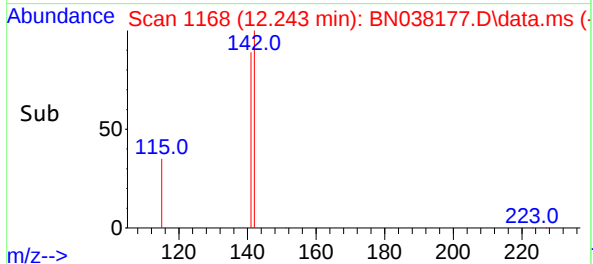
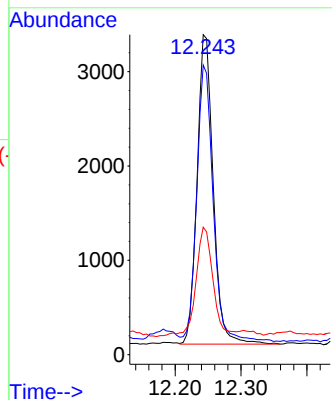
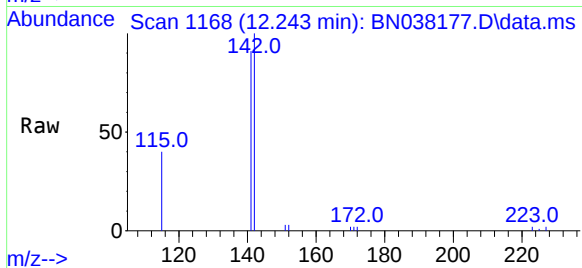
Tgt Ion:142 Resp: 5608

Ion Ratio Lower Upper

142 100

141 90.5 70.3 105.5

115 39.9 27.8 41.6



#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.430 min Scan# 1452

Delta R.T. -0.000 min

Lab File: BN038177.D

Acq: 10 Nov 2025 12:02

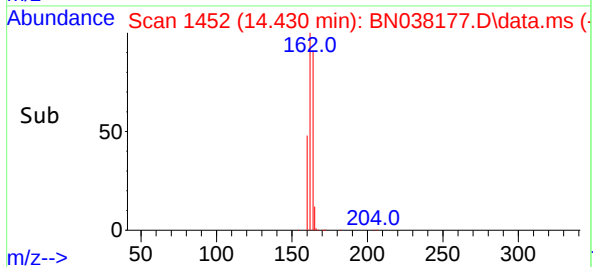
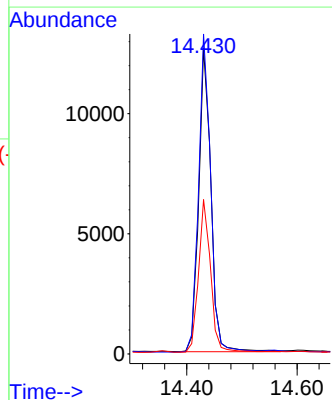
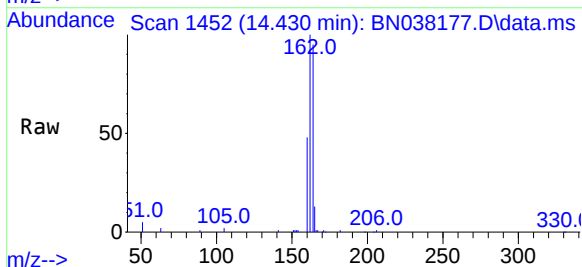
Tgt Ion:164 Resp: 19363

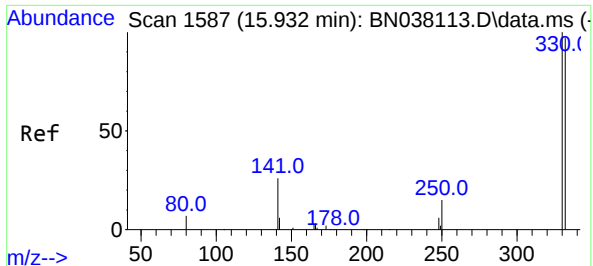
Ion Ratio Lower Upper

164 100

162 104.7 83.0 124.4

160 50.5 40.7 61.1

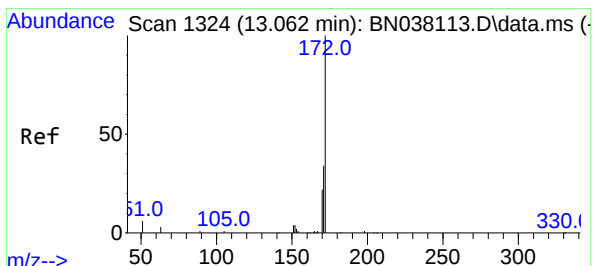
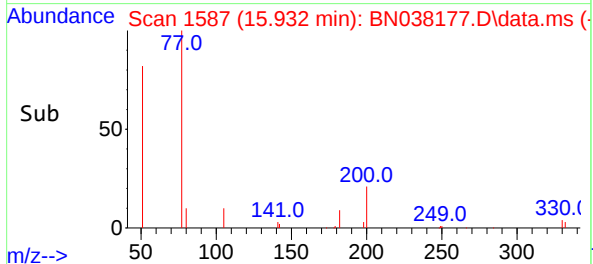
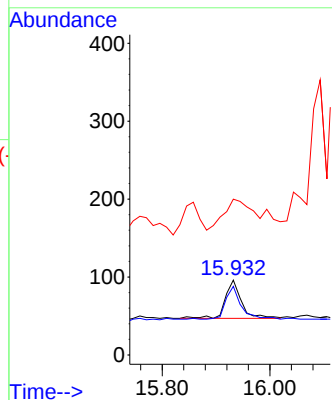
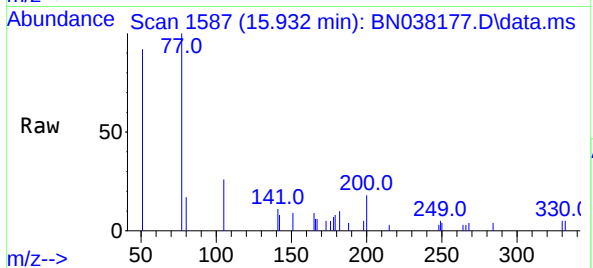




#14
2,4,6-Tribromophenol
Concen: 0.013 ng
RT: 15.932 min Scan# 11
Delta R.T. 0.000 min
Lab File: BN038177.D
Acq: 10 Nov 2025 12:02

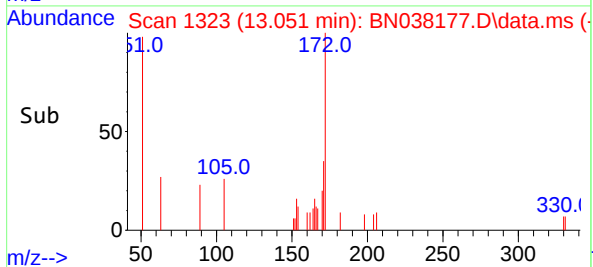
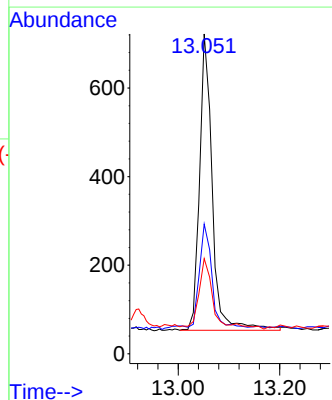
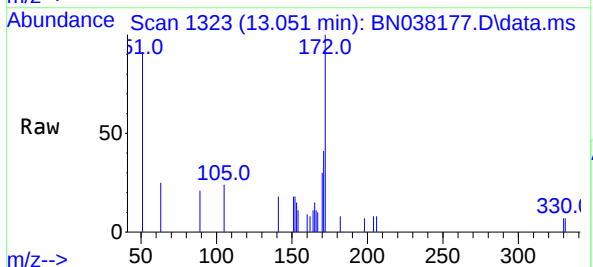
Instrument :
BNA_N
ClientSampleId :
MW-4DL

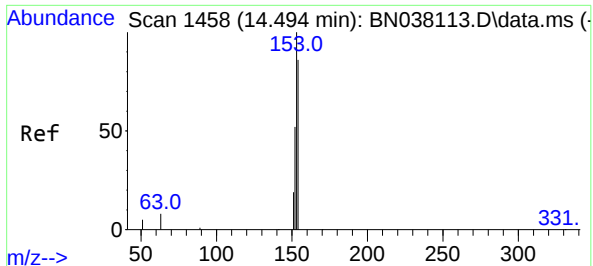
Tgt Ion:330 Resp: 102
Ion Ratio Lower Upper
330 100
332 88.2 76.6 114.8
141 183.3 34.1 51.1#



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

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

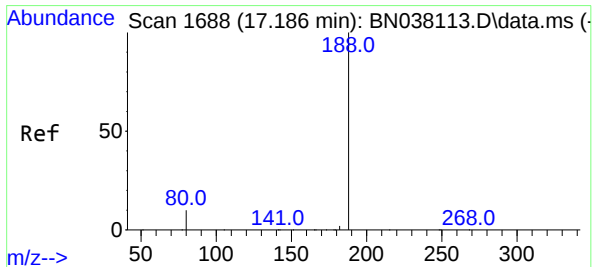
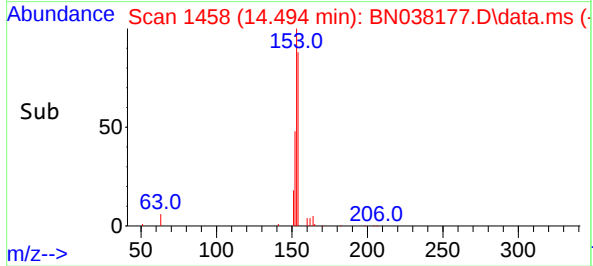
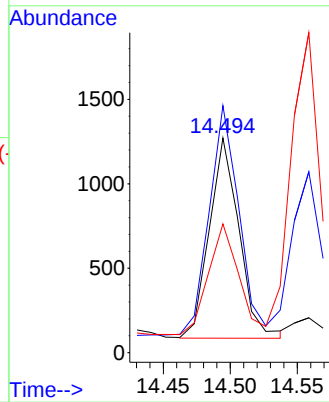
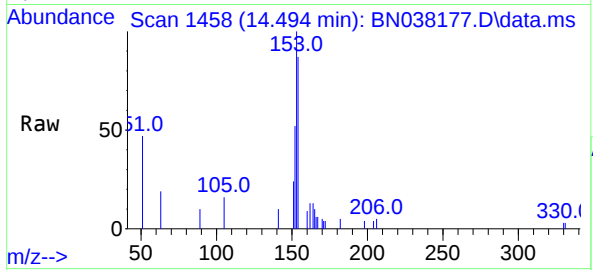




#17
Acenaphthene
Concen: 0.030 ng
RT: 14.494 min Scan# 1458
Delta R.T. -0.000 min
Lab File: BN038177.D
Acq: 10 Nov 2025 12:02

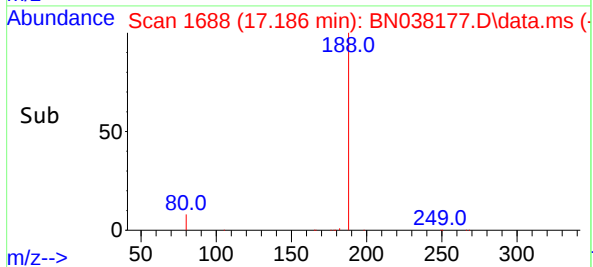
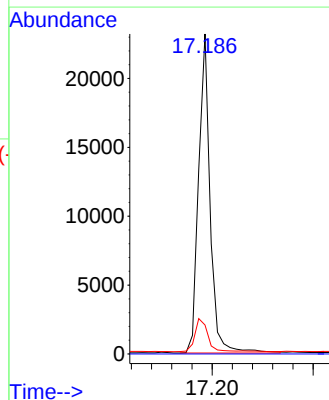
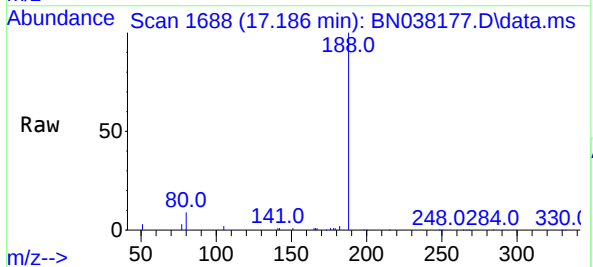
Instrument :
BNA_N
ClientSampleId :
MW-4DL

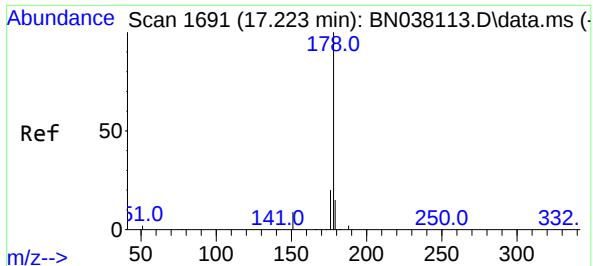
Tgt Ion:154 Resp: 1832
Ion Ratio Lower Upper
154 100
153 113.4 90.0 135.0
152 56.6 47.3 70.9



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

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

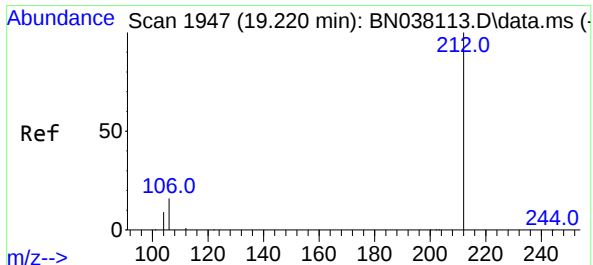
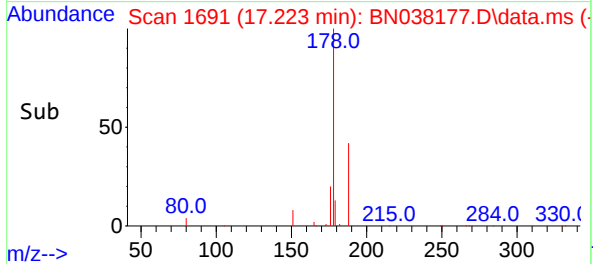
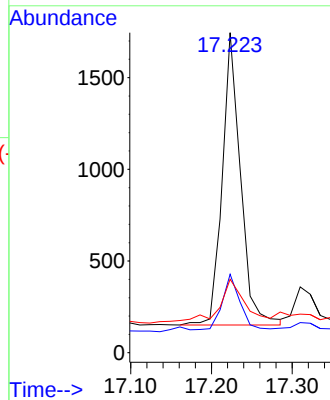
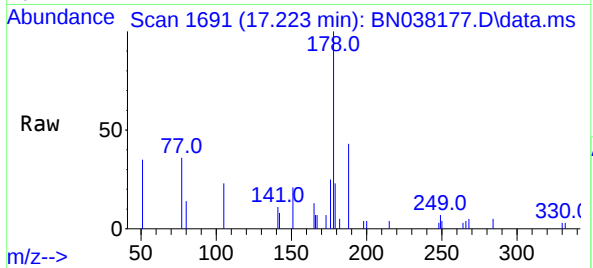




#25
Phenanthrene
Concen: 0.021 ng
RT: 17.223 min Scan# 1691
Delta R.T. -0.000 min
Lab File: BN038177.D
Acq: 10 Nov 2025 12:02

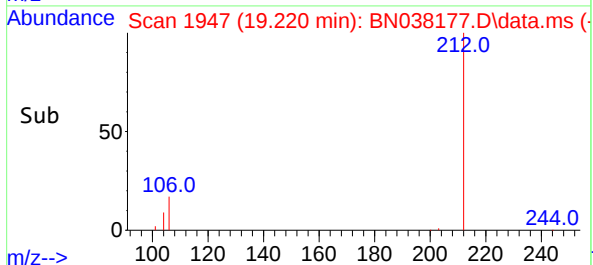
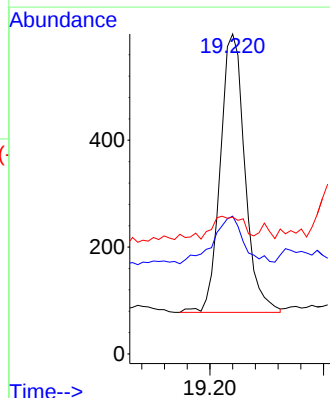
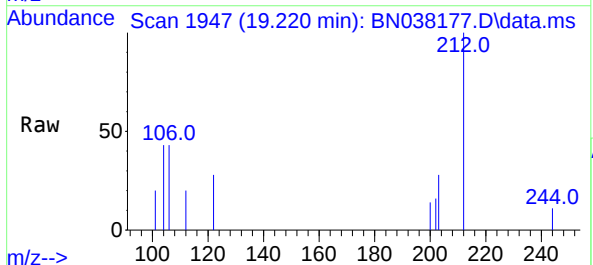
Instrument :
BNA_N
ClientSampleId :
MW-4DL

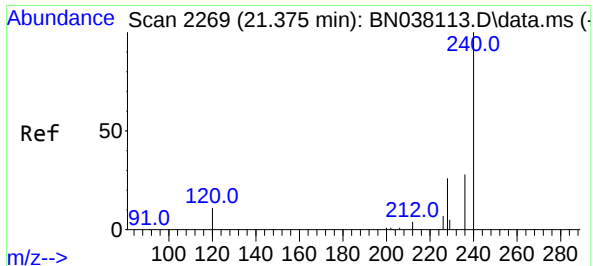
Tgt Ion:178 Resp: 2511
Ion Ratio Lower Upper
178 100
176 20.7 15.5 23.3
179 21.7 12.2 18.4#



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

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

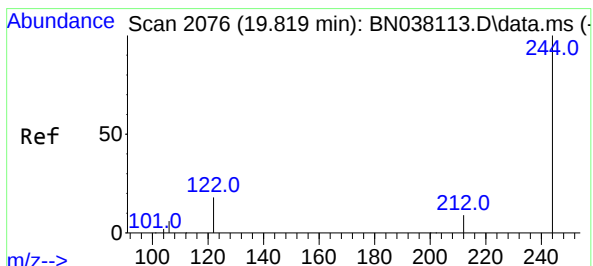
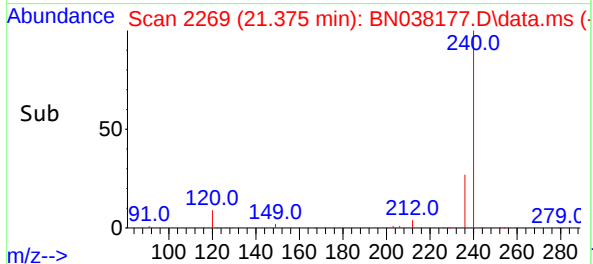
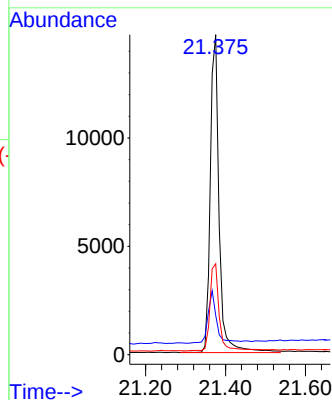
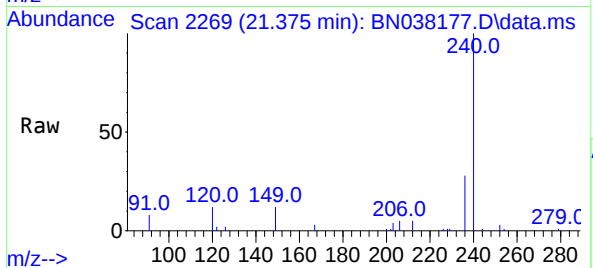




#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.375 min Scan# 21
Delta R.T. -0.000 min
Lab File: BN038177.D
Acq: 10 Nov 2025 12:02

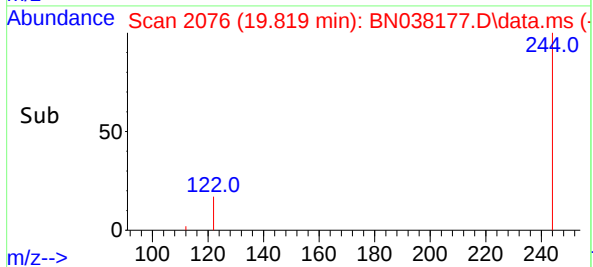
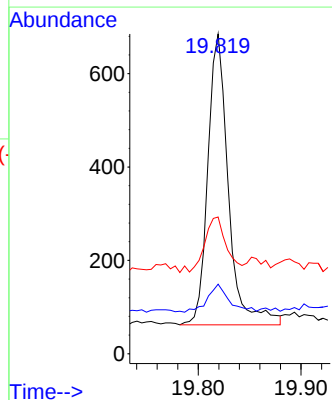
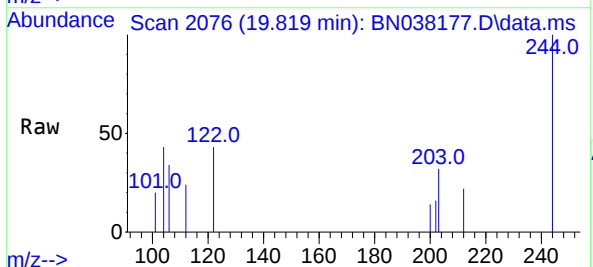
Instrument :
BNA_N
ClientSampleId :
MW-4DL

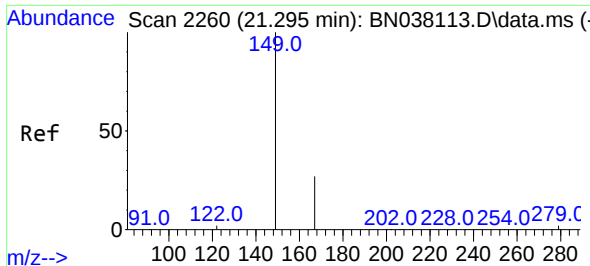
Tgt Ion:240 Resp: 22577
Ion Ratio Lower Upper
240 100
120 12.3 10.7 16.1
236 28.4 23.1 34.7



#31
Terphenyl-d14
Concen: 0.018 ng
RT: 19.819 min Scan# 2076
Delta R.T. -0.000 min
Lab File: BN038177.D
Acq: 10 Nov 2025 12:02

Tgt Ion:244 Resp: 867
Ion Ratio Lower Upper
244 100
212 21.8 7.8 11.6#
122 42.8 15.2 22.8#

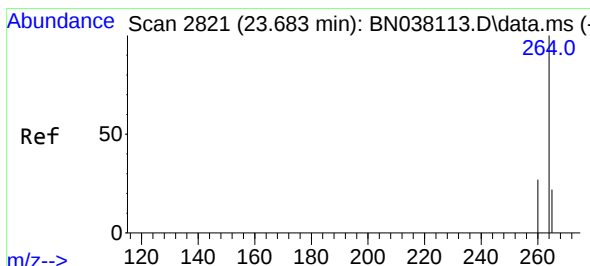
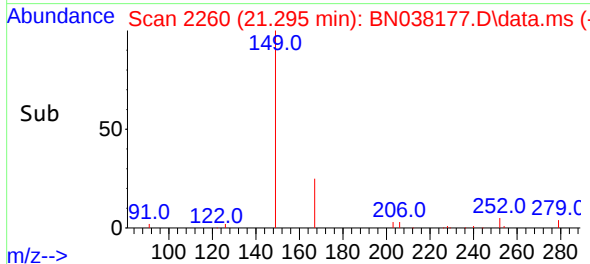
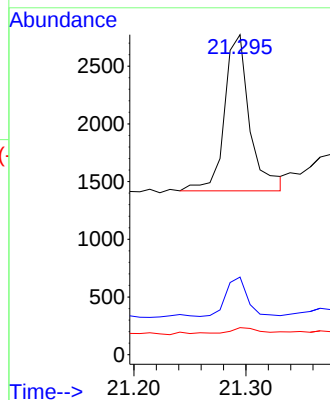
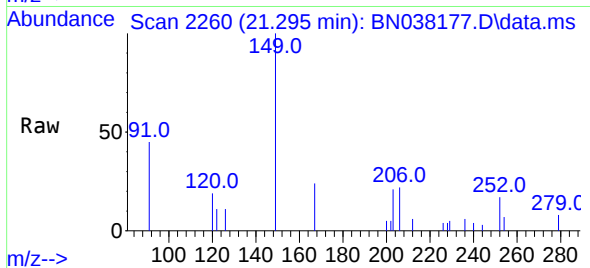




#34
Bis(2-ethylhexyl)phthalate
Concen: 0.050 ng
RT: 21.295 min Scan# 21
Delta R.T. -0.000 min
Lab File: BN038177.D
Acq: 10 Nov 2025 12:02

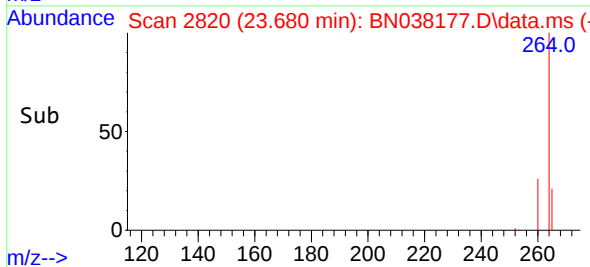
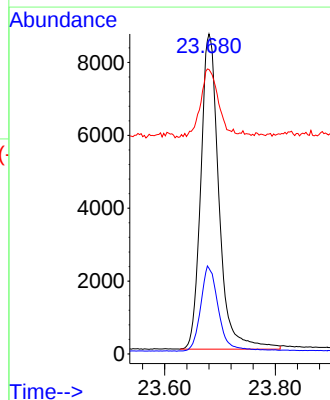
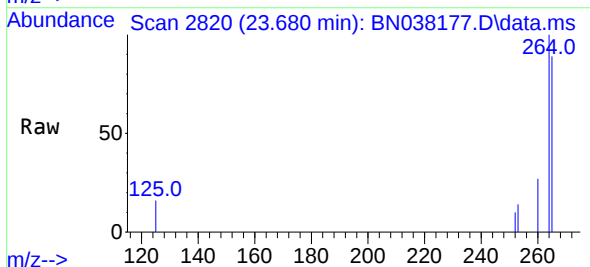
Instrument :
BNA_N
ClientSampleId :
MW-4DL

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



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

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





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

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

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 : BN038162.D
 Acq On : 07 Nov 2025 19:46
 Operator : RC/JU
 Sample : Q3552-02
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 MW-8

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

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

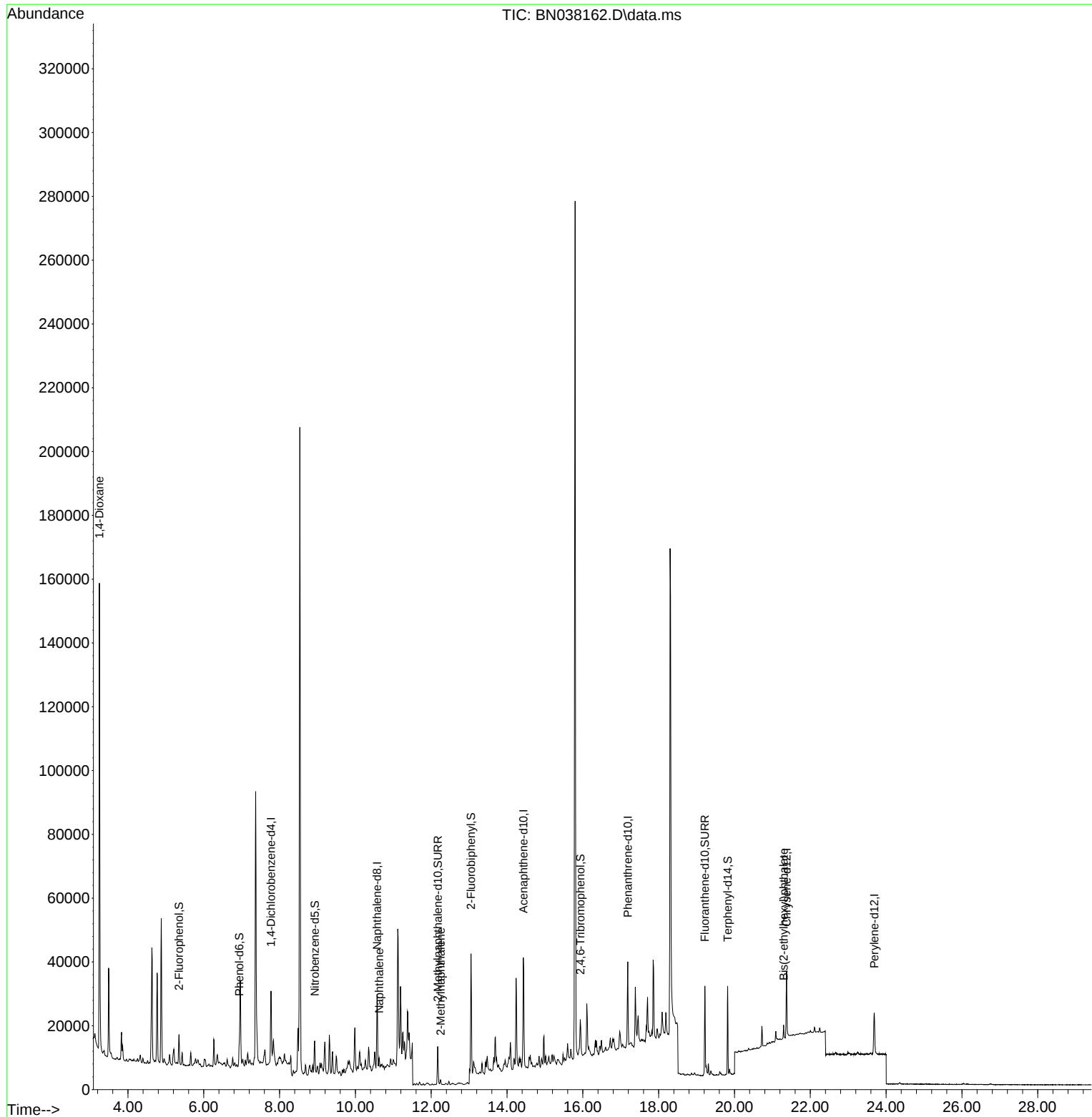
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.775	152	9440	0.400	ng	0.00
7) Naphthalene-d8	10.573	136	31588	0.400	ng	# 0.00
13) Acenaphthene-d10	14.430	164	21904	0.400	ng	0.00
19) Phenanthrene-d10	17.186	188	34017	0.400	ng	0.00
29) Chrysene-d12	21.375	240	18758	0.400	ng	# 0.00
35) Perylene-d12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

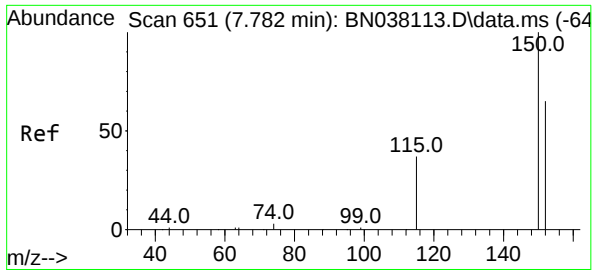
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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

Instrument :
BNA_N
ClientSampleId :
MW-8

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

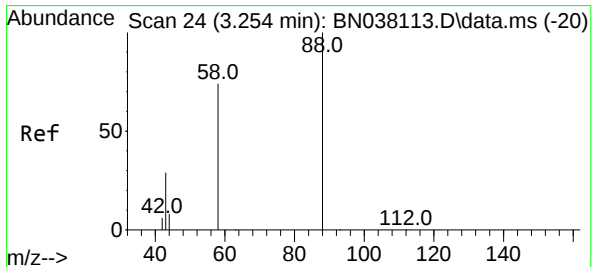
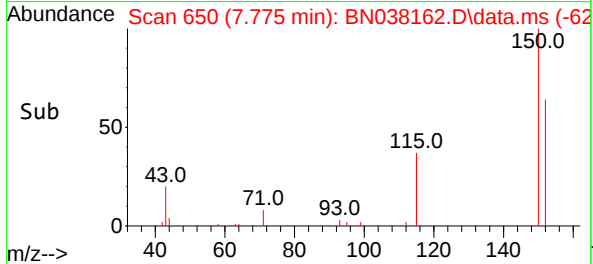
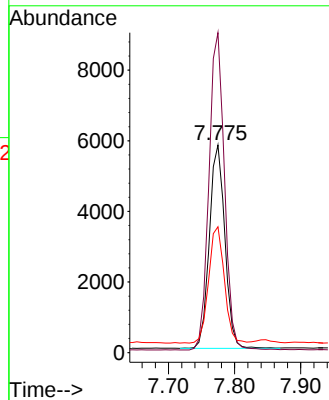
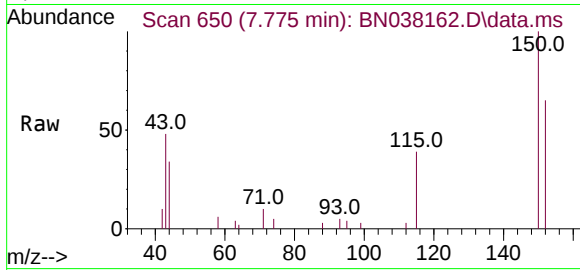




#1
 1,4-Dichlorobenzene-d4
 Concen: 0.400 ng
 RT: 7.775 min Scan# 61
 Delta R.T. -0.000 min
 Lab File: BN038162.D
 Acq: 07 Nov 2025 19:46

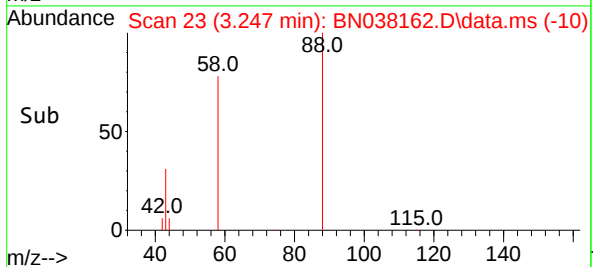
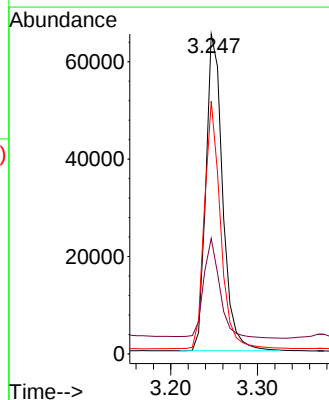
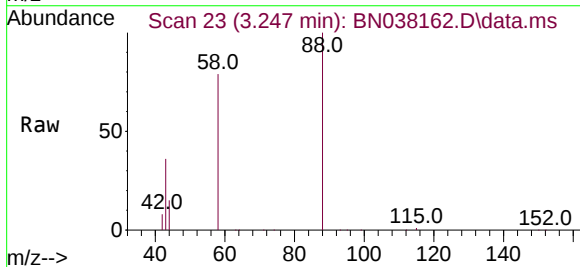
Instrument :
 BNA_N
 ClientSampleId :
 MW-8

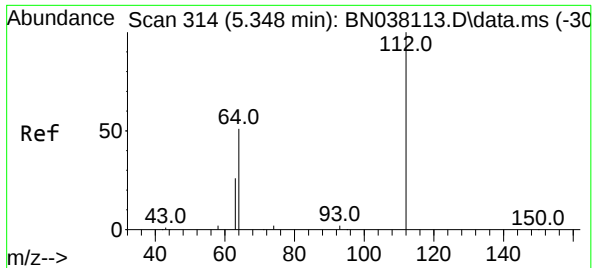
Tgt Ion:152 Resp: 9440
 Ion Ratio Lower Upper
 152 100
 150 154.1 122.3 183.5
 115 60.6 47.4 71.0



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

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

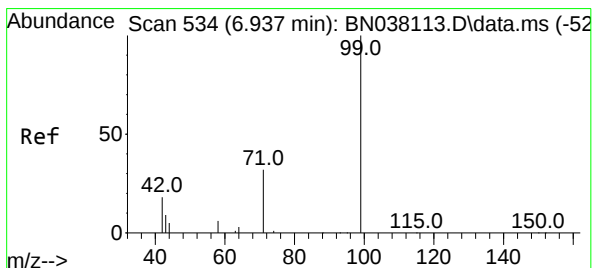
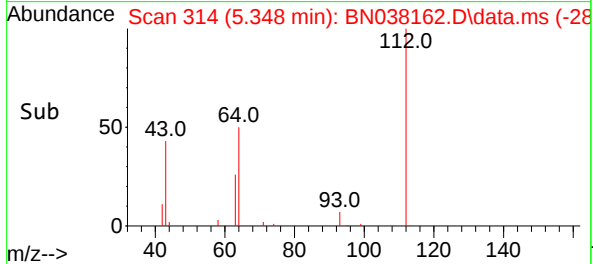
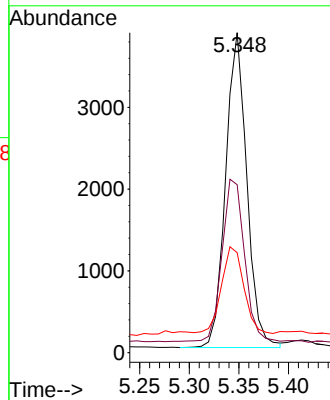
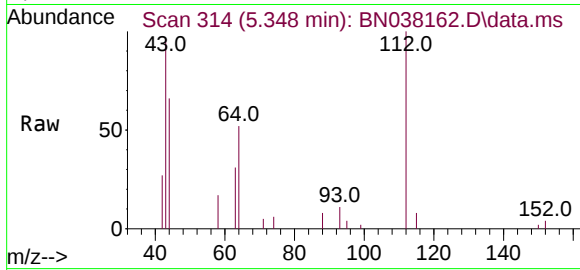




#4
2-Fluorophenol
Concen: 0.257 ng
RT: 5.348 min Scan# 314
Delta R.T. -0.000 min
Lab File: BN038162.D
Acq: 07 Nov 2025 19:46

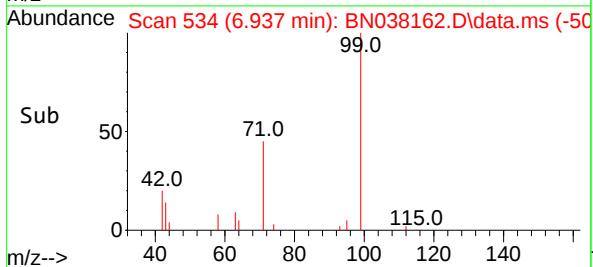
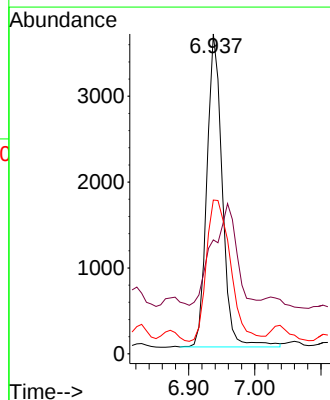
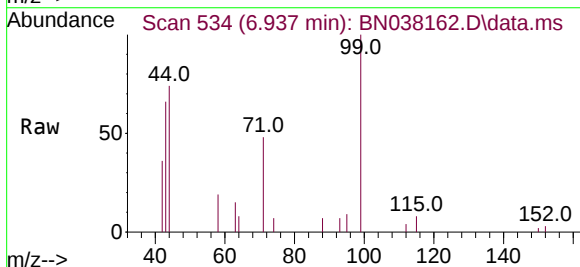
Instrument :
BNA_N
ClientSampleId :
MW-8

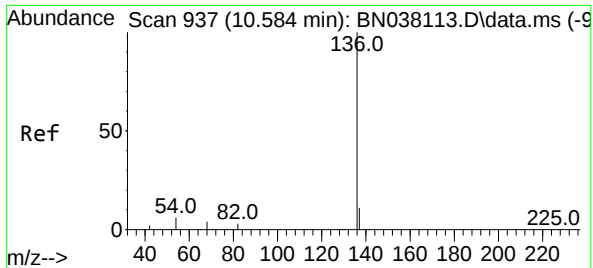
Tgt Ion	Ratio	Lower	Upper
112	100		
64	56.1	45.4	68.0
63	30.8	23.2	34.8



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

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

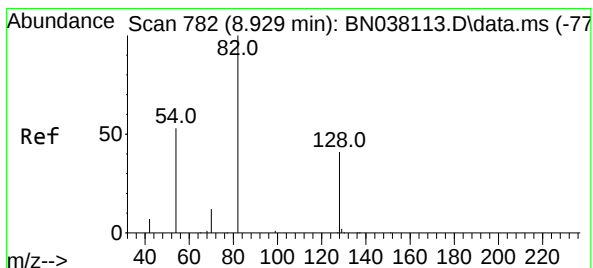
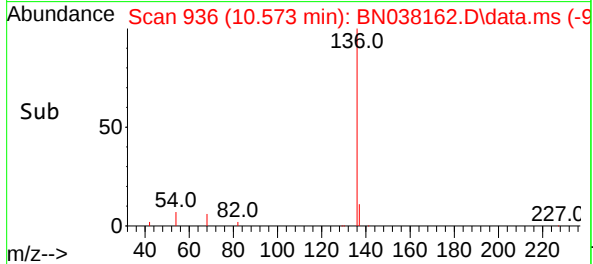
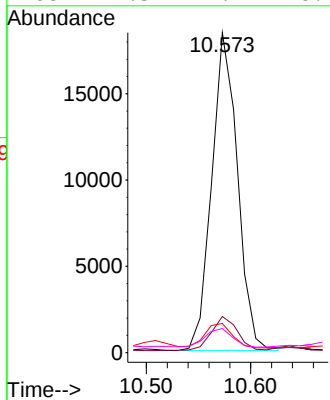
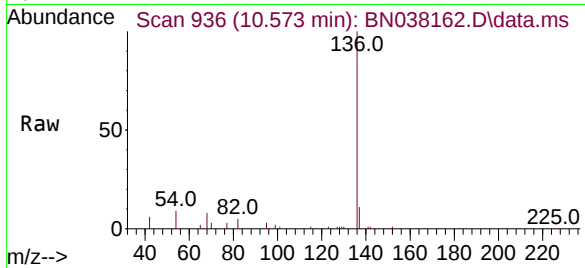




#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.573 min Scan# 937
Delta R.T. -0.000 min
Lab File: BN038162.D
Acq: 07 Nov 2025 19:46

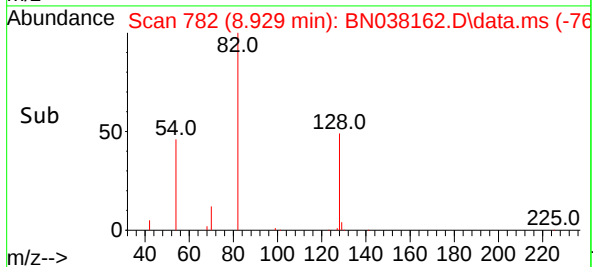
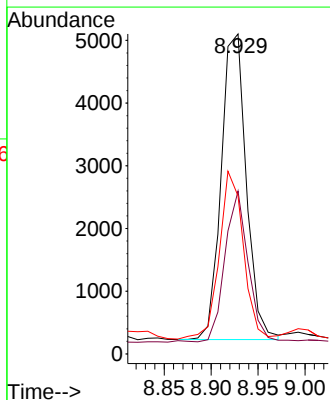
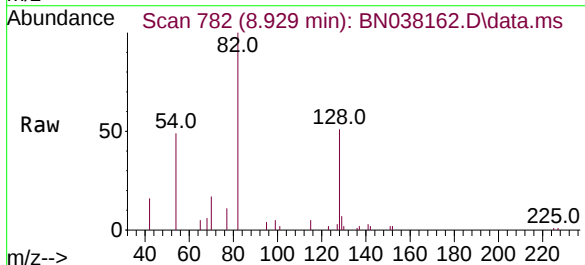
Instrument :
BNA_N
ClientSampleId :
MW-8

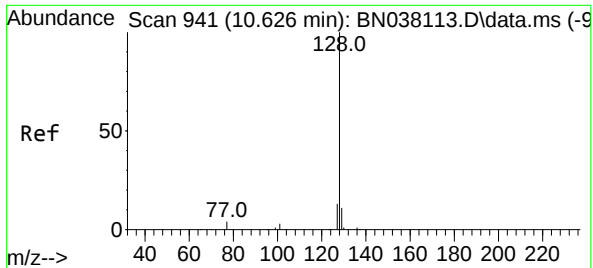
Tgt Ion:136 Resp: 31588
Ion Ratio Lower Upper
136 100
137 11.3 9.0 13.4
54 9.1 5.2 7.8#
68 7.5 4.1 6.1#



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

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

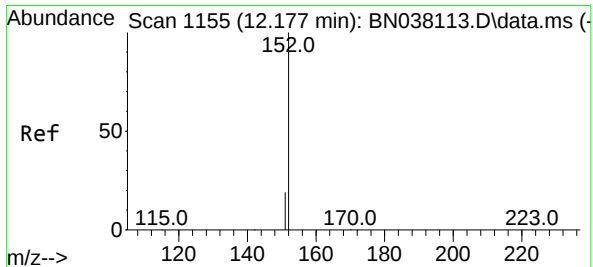
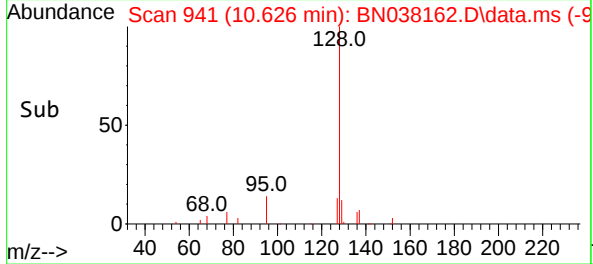
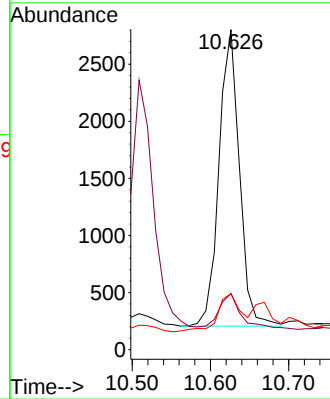
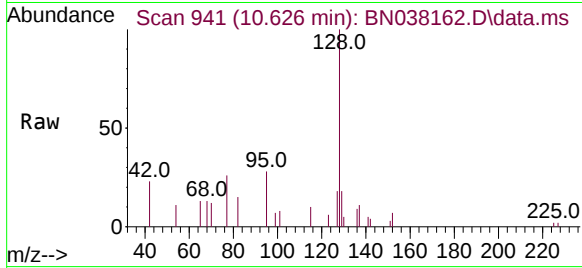




#9
Naphthalene
Concen: 0.054 ng
RT: 10.626 min Scan# 941
Delta R.T. -0.000 min
Lab File: BN038162.D
Acq: 07 Nov 2025 19:46

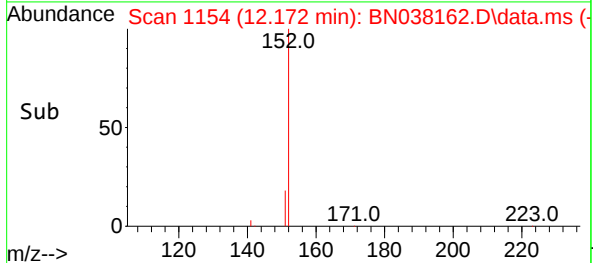
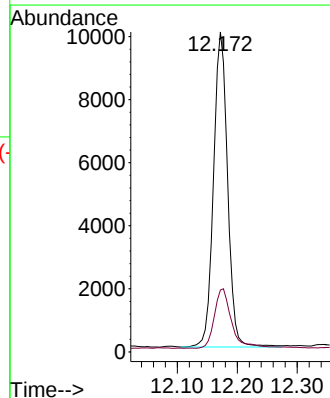
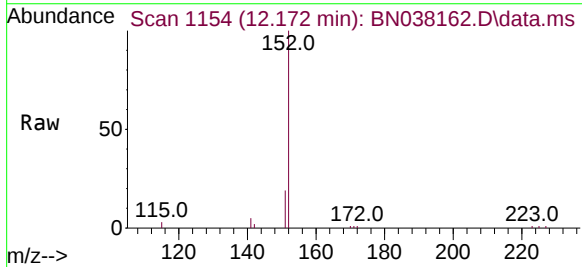
Instrument :
BNA_N
ClientSampleId :
MW-8

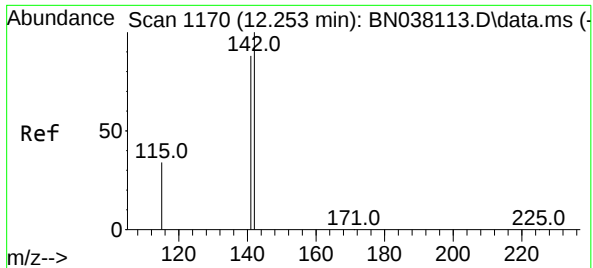
Tgt Ion:128 Resp: 4730
Ion Ratio Lower Upper
128 100
129 17.6 9.1 13.7#
127 17.5 10.5 15.7#



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

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





#12

2-Methylnaphthalene

Concen: 0.020 ng

RT: 12.248 min Scan# 1169

Delta R.T. -0.000 min

Lab File: BN038162.D

Acq: 07 Nov 2025 19:46

Instrument :

BNA_N

ClientSampleId :

MW-8

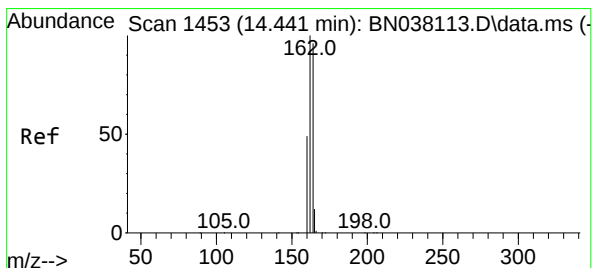
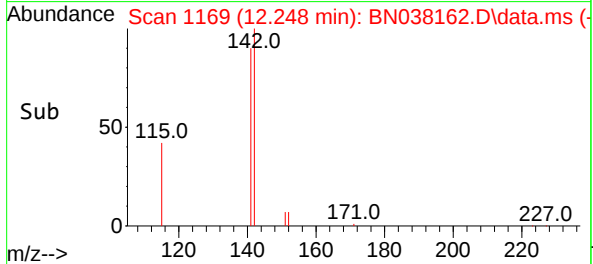
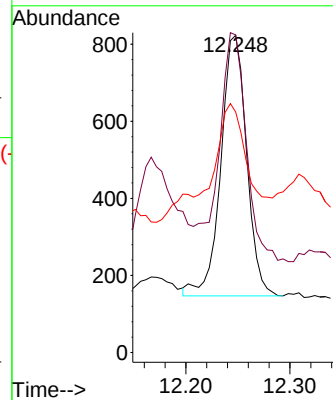
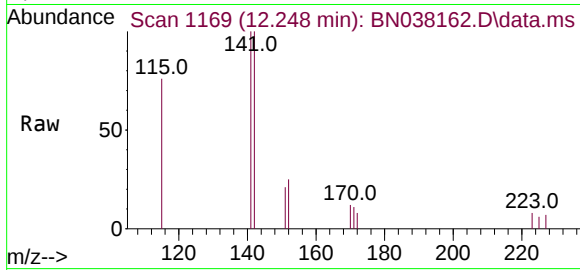
Tgt Ion:142 Resp: 1169

Ion Ratio Lower Upper

142 100

141 100.1 70.3 105.5

115 75.8 27.8 41.6#



#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.430 min Scan# 1452

Delta R.T. -0.000 min

Lab File: BN038162.D

Acq: 07 Nov 2025 19:46

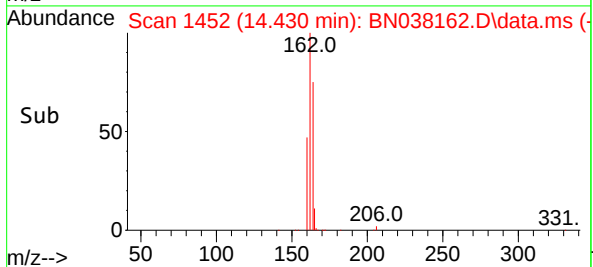
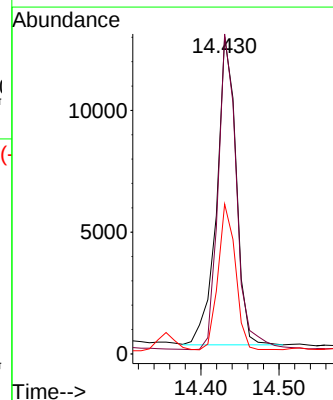
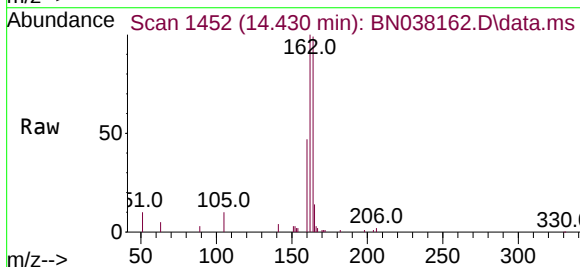
Tgt Ion:164 Resp: 21904

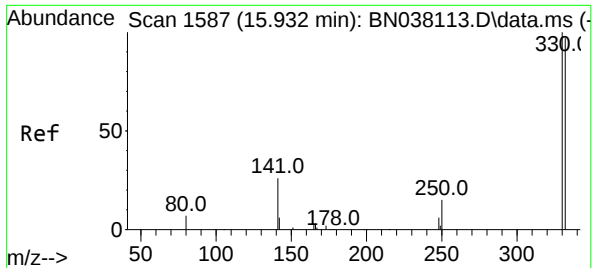
Ion Ratio Lower Upper

164 100

162 100.9 83.0 124.4

160 47.2 40.7 61.1





#14

2,4,6-Tribromophenol

Concen: 0.458 ng

RT: 15.932 min Scan# 11

Delta R.T. 0.000 min

Lab File: BN038162.D

Acq: 07 Nov 2025 19:46

Instrument :

BNA_N

ClientSampleId :

MW-8

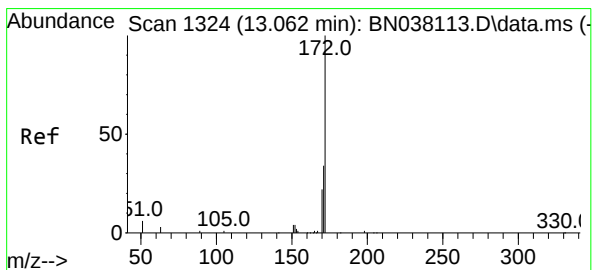
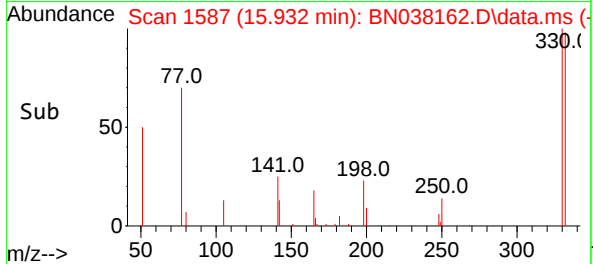
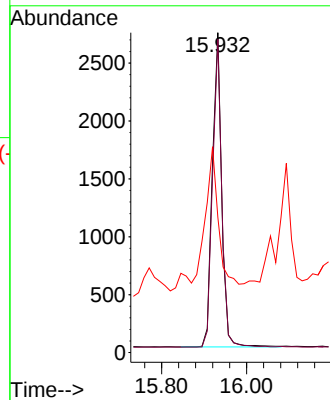
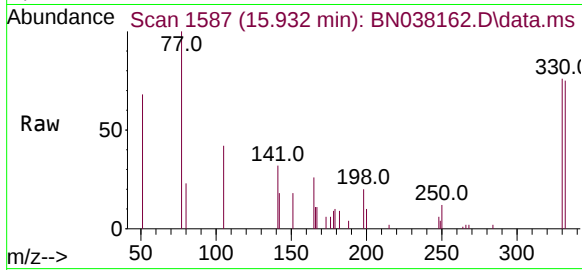
Tgt Ion:330 Resp: 4131

Ion Ratio Lower Upper

330 100

332 97.4 76.6 114.8

141 74.9 34.1 51.1#



#15

2-Fluorobiphenyl

Concen: 0.296 ng

RT: 13.051 min Scan# 1323

Delta R.T. -0.000 min

Lab File: BN038162.D

Acq: 07 Nov 2025 19:46

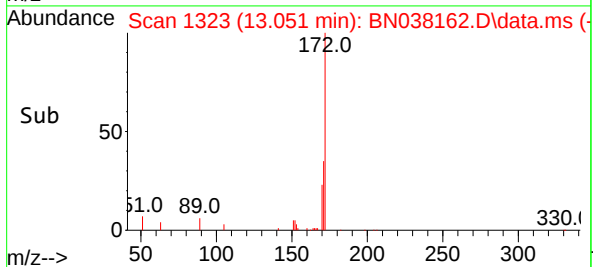
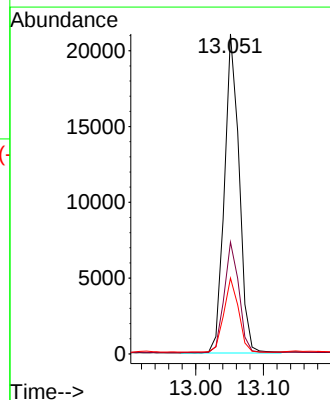
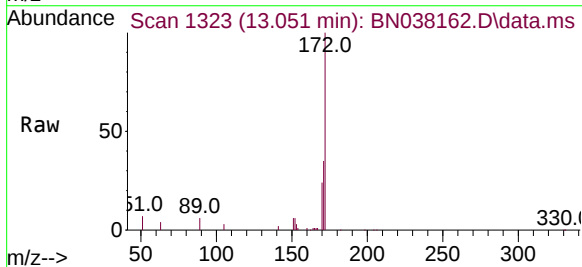
Tgt Ion:172 Resp: 25929

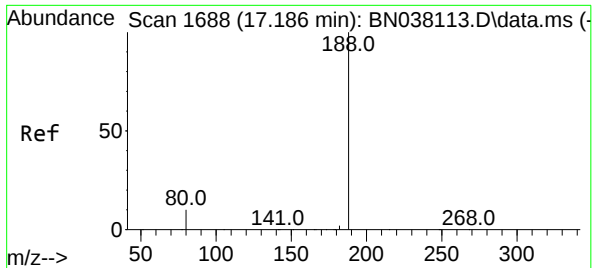
Ion Ratio Lower Upper

172 100

171 34.9 27.8 41.6

170 23.7 18.1 27.1

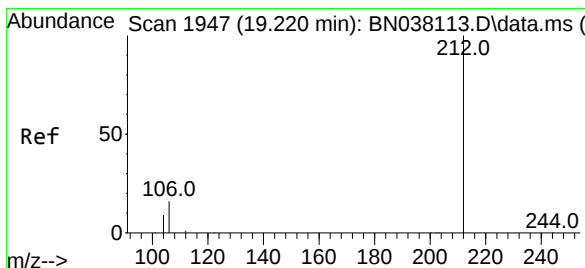
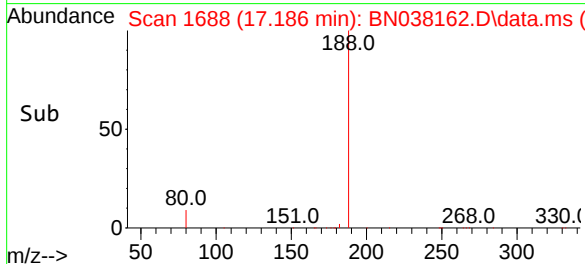
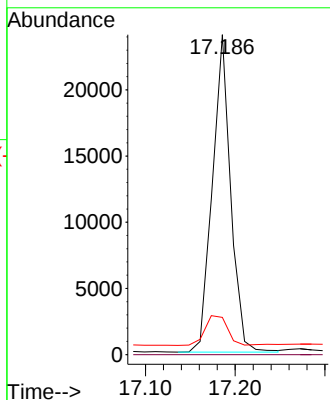
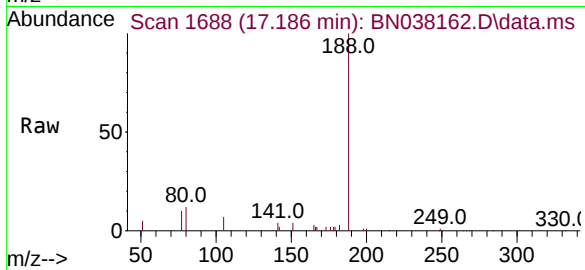




#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.186 min Scan# 1688
Delta R.T. -0.000 min
Lab File: BN038162.D
Acq: 07 Nov 2025 19:46

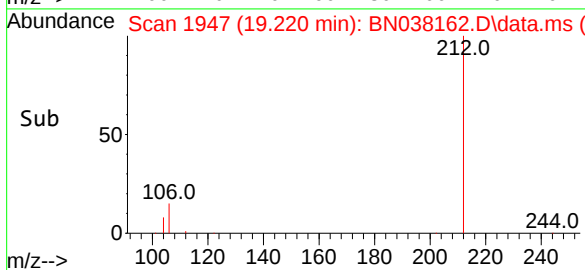
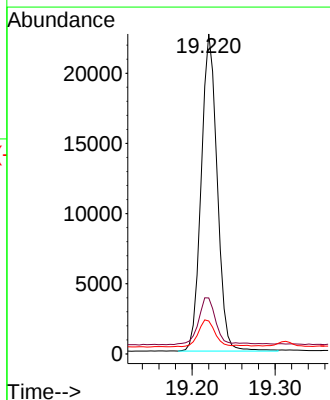
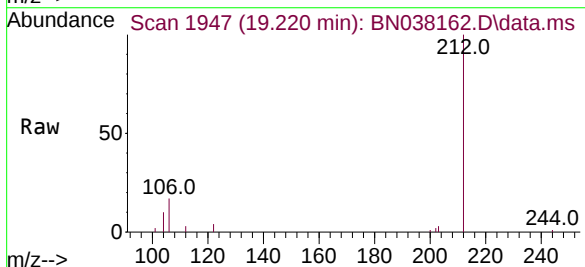
Instrument :
BNA_N
ClientSampleId :
MW-8

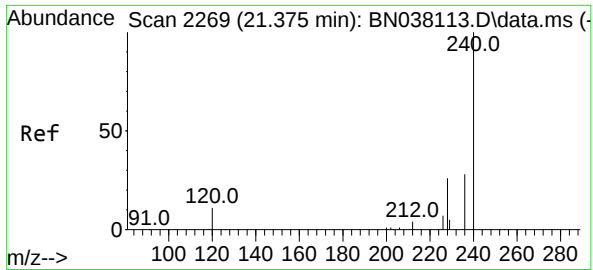
Tgt Ion	188	Resp	34017
Ion Ratio	Lower	Upper	
188	100		
94	0.0	0.0	0.0
80	11.6	8.6	13.0



#27
Fluoranthene-d10
Concen: 0.351 ng
RT: 19.220 min Scan# 1947
Delta R.T. -0.000 min
Lab File: BN038162.D
Acq: 07 Nov 2025 19:46

Tgt Ion	212	Resp	30149
Ion Ratio	Lower	Upper	
212	100		
106	16.2	12.6	19.0
104	8.8	7.1	10.7

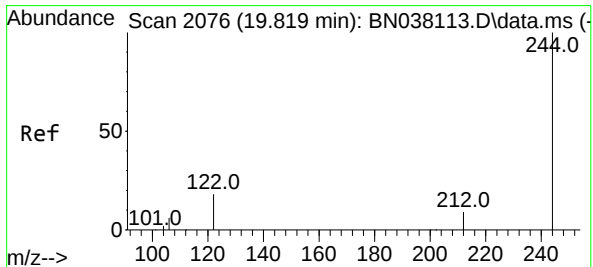
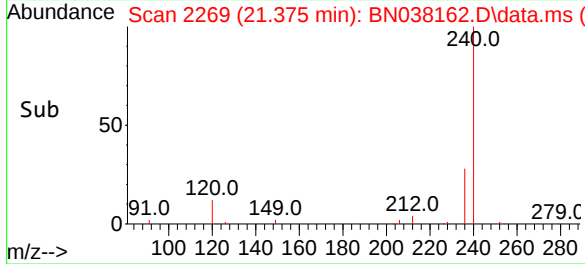
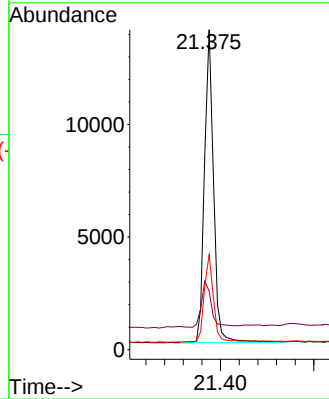
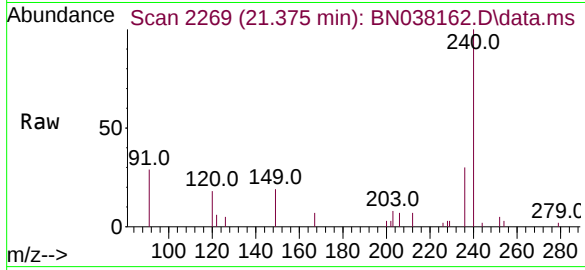




#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.375 min Scan# 21
Delta R.T. -0.000 min
Lab File: BN038162.D
Acq: 07 Nov 2025 19:46

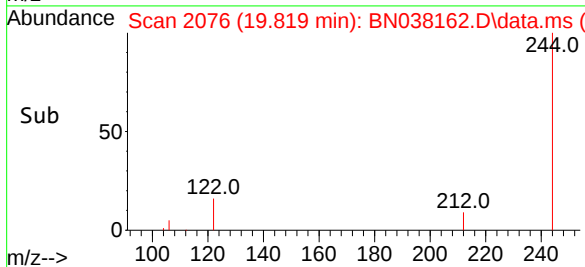
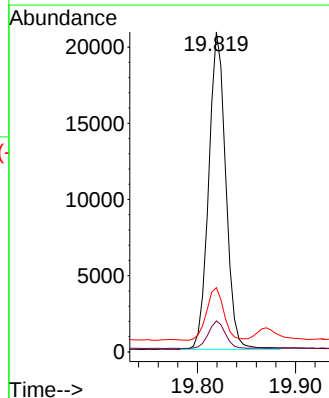
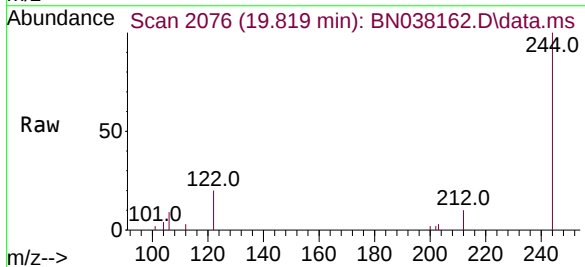
Instrument :
BNA_N
ClientSampleId :
MW-8

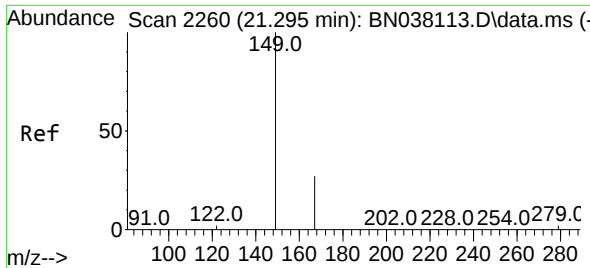
Tgt Ion:240 Resp: 18758
Ion Ratio Lower Upper
240 100
120 18.2 10.7 16.1#
236 29.7 23.1 34.7



#31
Terphenyl-d14
Concen: 0.618 ng
RT: 19.819 min Scan# 2076
Delta R.T. -0.000 min
Lab File: BN038162.D
Acq: 07 Nov 2025 19:46

Tgt Ion:244 Resp: 25173
Ion Ratio Lower Upper
244 100
212 9.7 7.8 11.6
122 20.1 15.2 22.8

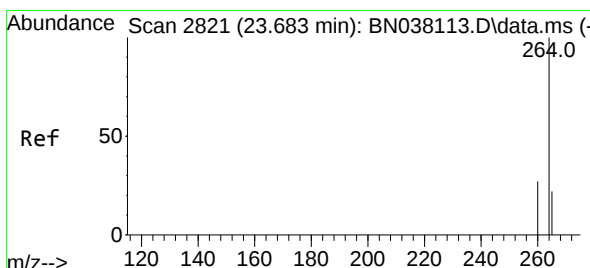
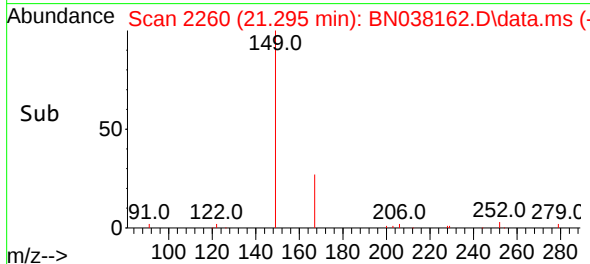
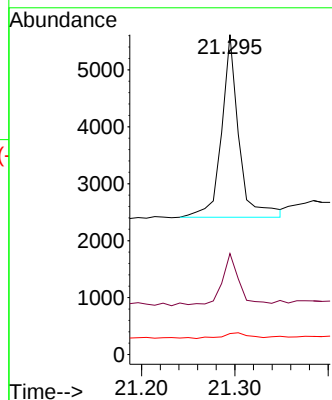
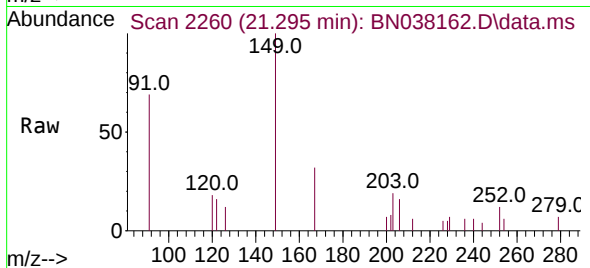




#34
Bis(2-ethylhexyl)phthalate
Concen: 0.117 ng
RT: 21.295 min Scan# 21
Delta R.T. -0.000 min
Lab File: BN038162.D
Acq: 07 Nov 2025 19:46

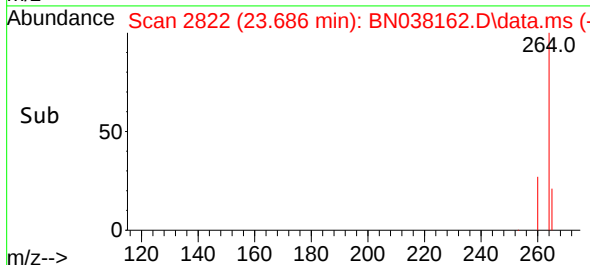
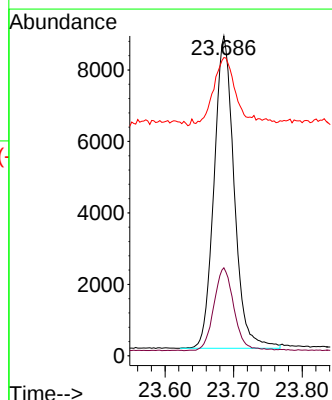
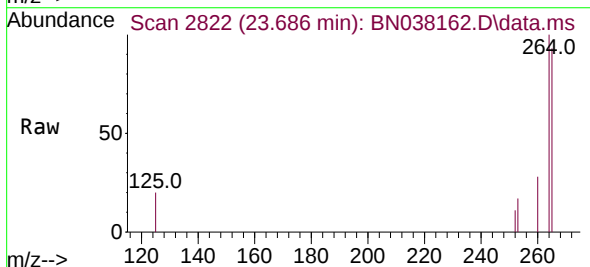
Instrument :
BNA_N
ClientSampleId :
MW-8

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



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

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



Report of Analysis

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

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

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 : BN038180.D
 Acq On : 10 Nov 2025 13:52
 Operator : RC/JU
 Sample : Q3552-02DL 5X
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 MW-8DL

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

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

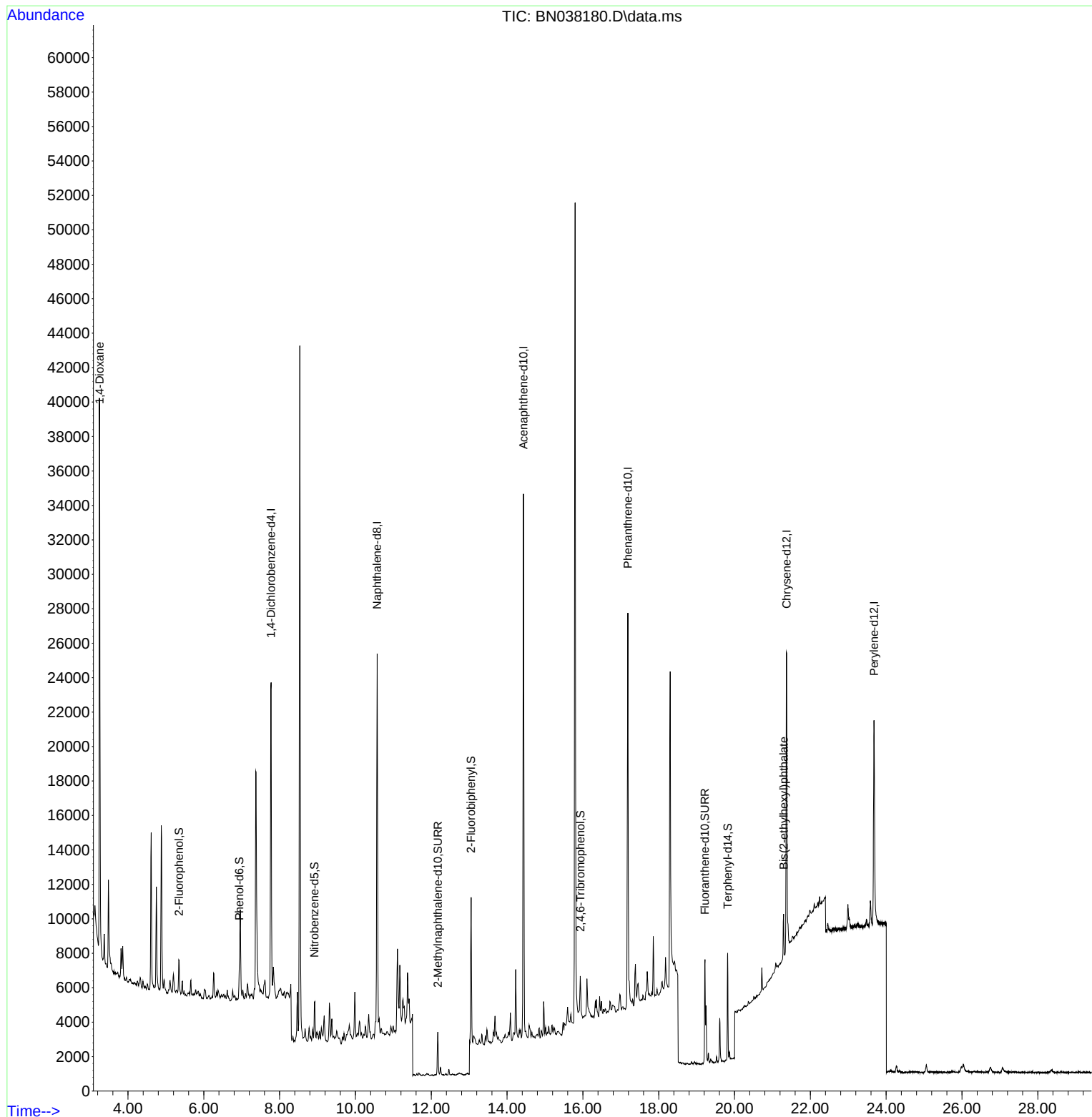
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.775	152	8860	0.400	ng	0.00
7) Naphthalene-d8	10.573	136	29425	0.400	ng	# 0.00
13) Acenaphthene-d10	14.430	164	18072	0.400	ng	0.00
19) Phenanthrene-d10	17.186	188	31918	0.400	ng	0.00
29) Chrysene-d12	21.376	240	18273	0.400	ng	0.00
35) Perylene-d12	23.680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

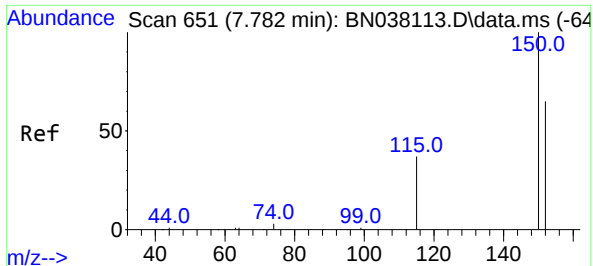
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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

Instrument :
BNA_N
ClientSampleId :
MW-8DL

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

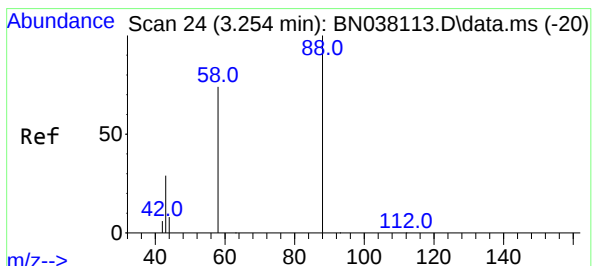
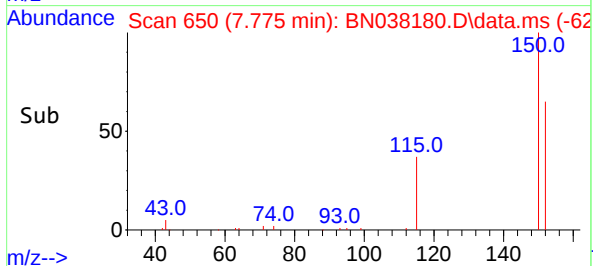
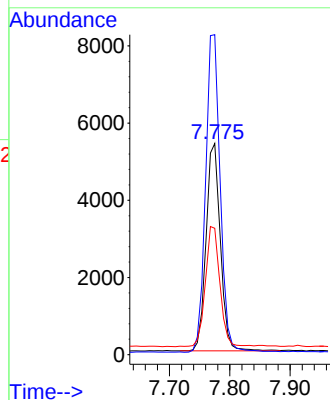
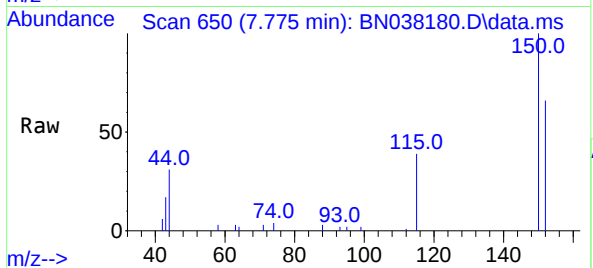




#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.775 min Scan# 61
Delta R.T. 0.000 min
Lab File: BN038180.D
Acq: 10 Nov 2025 13:52

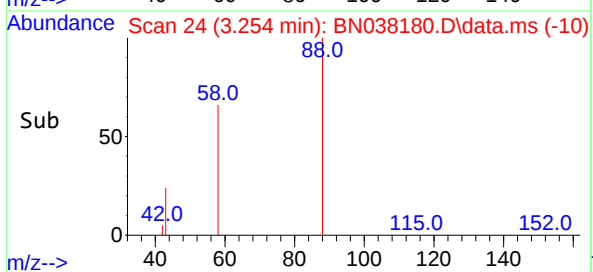
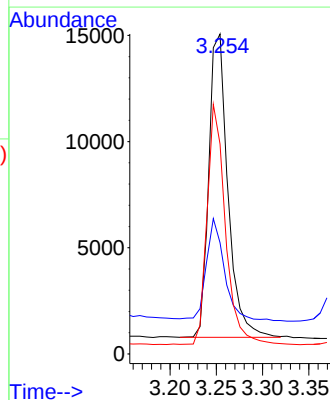
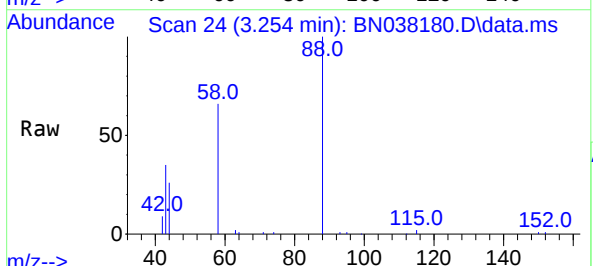
Instrument :
BNA_N
ClientSampleId :
MW-8DL

Tgt Ion:152 Resp: 8860
Ion Ratio Lower Upper
152 100
150 151.5 122.3 183.5
115 59.8 47.4 71.0

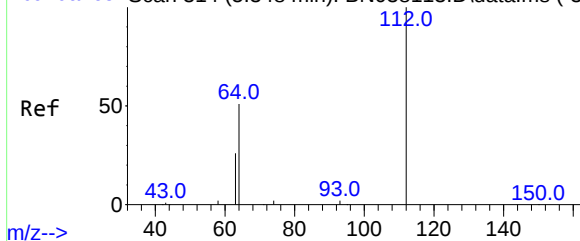


#2
1,4-Dioxane
Concen: 2.241 ng
RT: 3.254 min Scan# 24
Delta R.T. 0.000 min
Lab File: BN038180.D
Acq: 10 Nov 2025 13:52

Tgt Ion: 88 Resp: 20513
Ion Ratio Lower Upper
88 100
43 33.0 24.3 36.5
58 75.9 60.4 90.6



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



#4

2-Fluorophenol

Concen: 0.061 ng

RT: 5.348 min Scan# 314

Delta R.T. 0.000 min

Lab File: BN038180.D

Acq: 10 Nov 2025 13:52

Instrument :

BNA_N

ClientSampleId :

MW-8DL

Tgt Ion:112 Resp: 1277

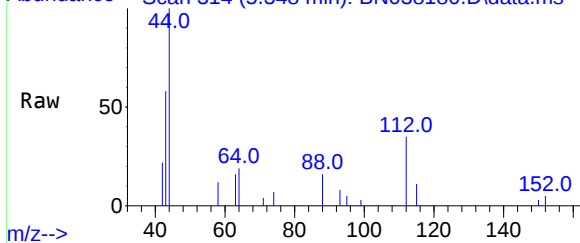
Ion Ratio Lower Upper

112 100

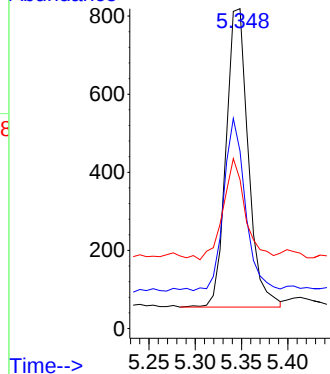
64 55.8 45.4 68.0

63 33.5 23.2 34.8

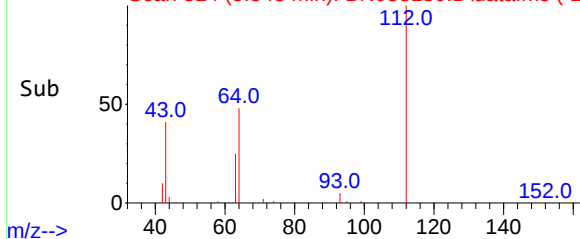
Abundance Scan 314 (5.348 min): BN038180.D\data.ms



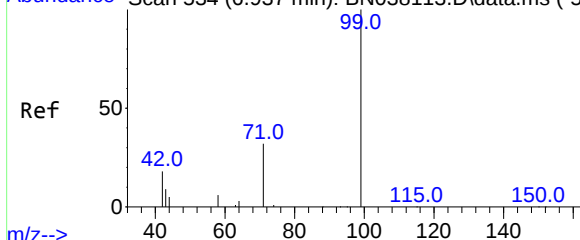
Abundance



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



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



#5

Phenol-d6

Concen: 0.051 ng

RT: 6.937 min Scan# 534

Delta R.T. 0.000 min

Lab File: BN038180.D

Acq: 10 Nov 2025 13:52

Tgt Ion: 99 Resp: 1293

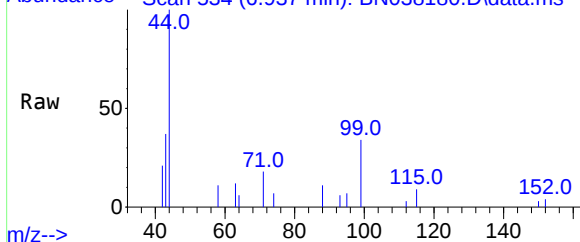
Ion Ratio Lower Upper

99 100

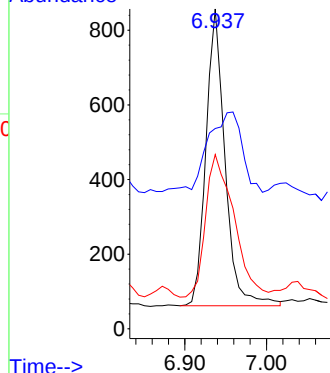
42 0.0 16.6 24.8#

71 73.0 25.4 38.2#

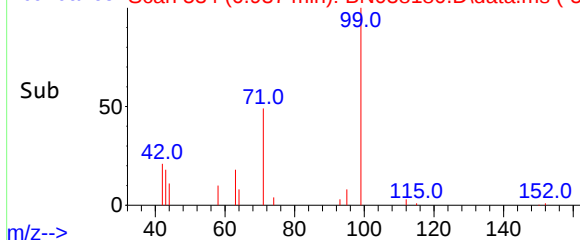
Abundance Scan 534 (6.937 min): BN038180.D\data.ms

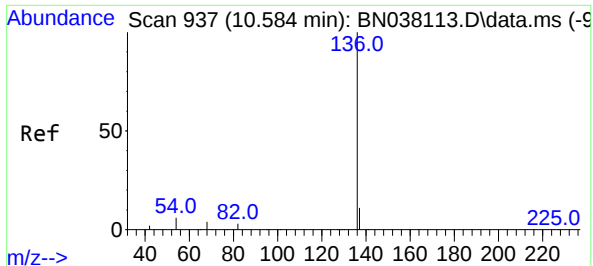


Abundance



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

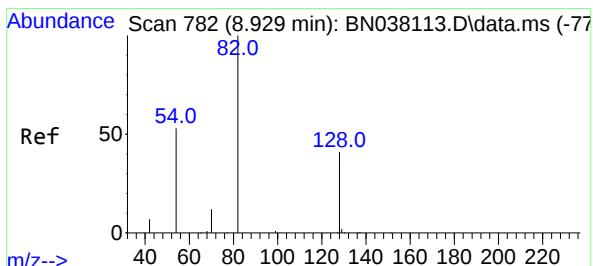
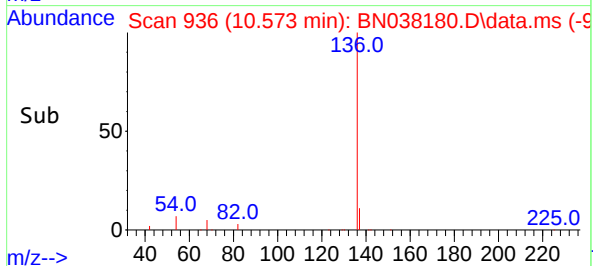
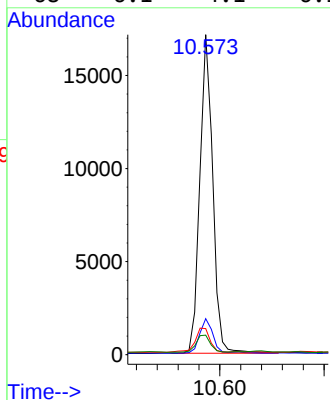
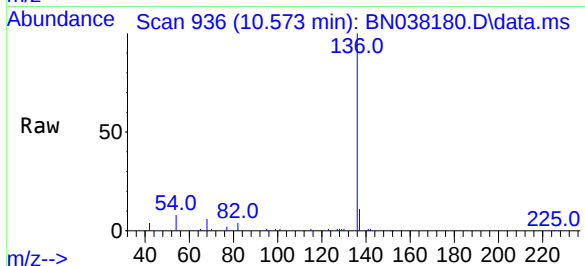




#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.573 min Scan# 91
Delta R.T. 0.000 min
Lab File: BN038180.D
Acq: 10 Nov 2025 13:52

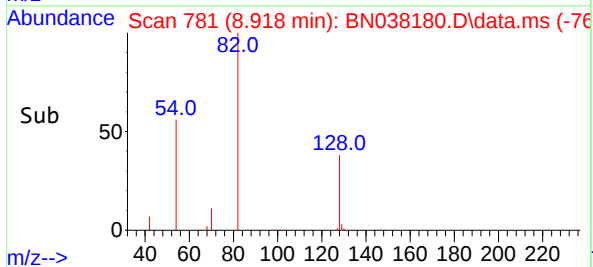
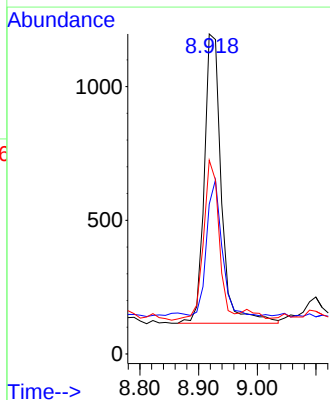
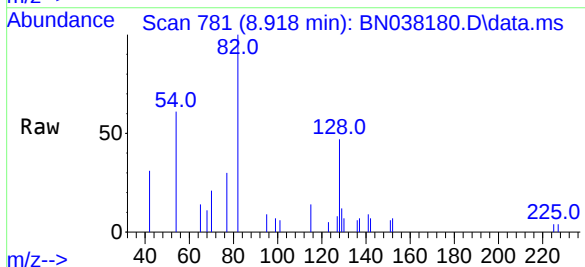
Instrument :
BNA_N
ClientSampleId :
MW-8DL

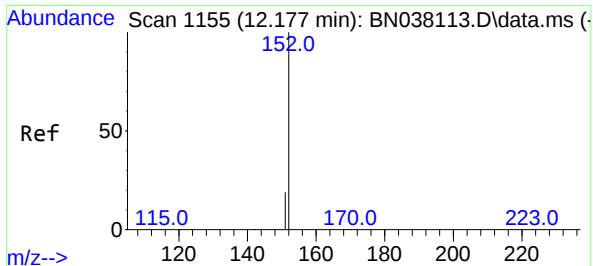
Tgt Ion:	136	Resp:	29425
Ion	Ratio	Lower	Upper
136	100		
137	11.2	9.0	13.4
54	8.1	5.2	7.8#
68	6.1	4.1	6.1



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

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

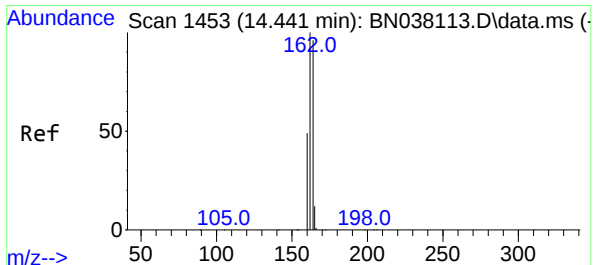
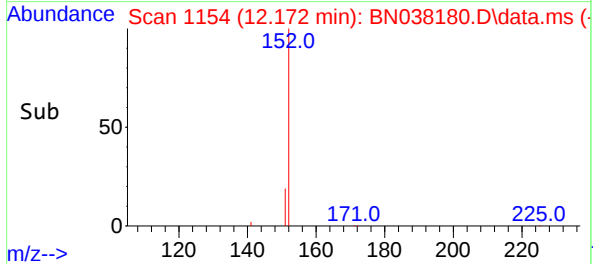
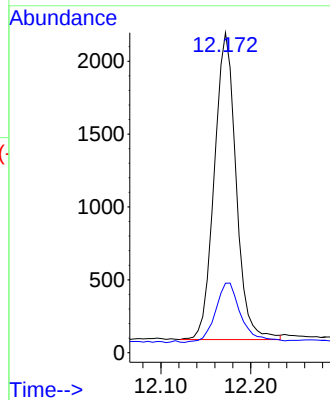
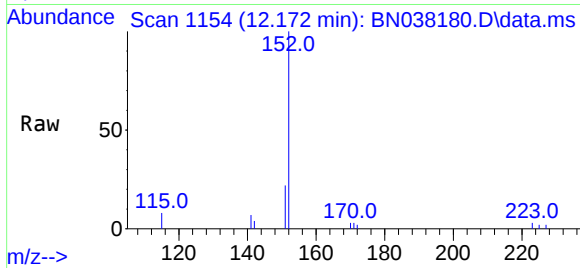




#11
2-Methylnaphthalene-d10
Concen: 0.084 ng
RT: 12.172 min Scan# 1154
Delta R.T. -0.005 min
Lab File: BN038180.D
Acq: 10 Nov 2025 13:52

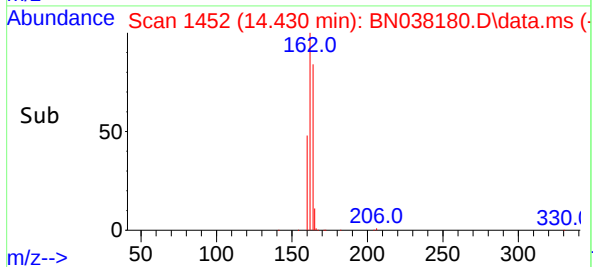
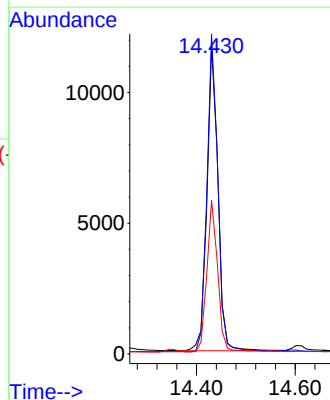
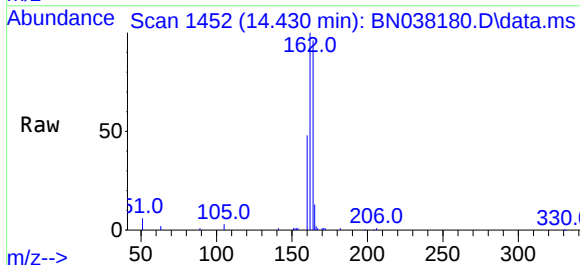
Instrument :
BNA_N
ClientSampleId :
MW-8DL

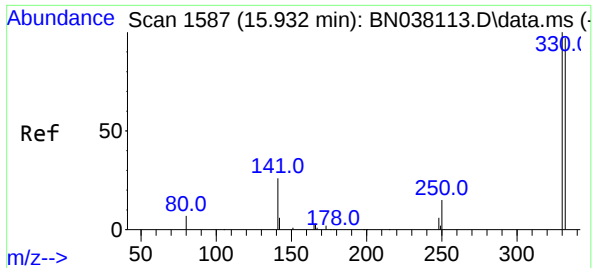
Tgt Ion:152 Resp: 3548
Ion Ratio Lower Upper
152 100
151 23.0 16.8 25.2



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

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

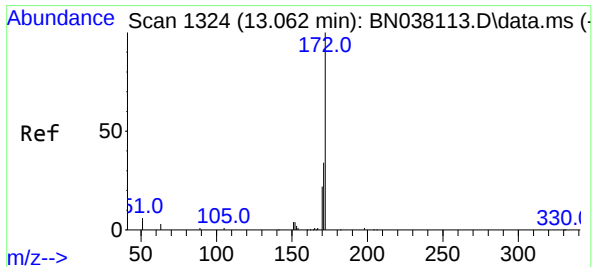
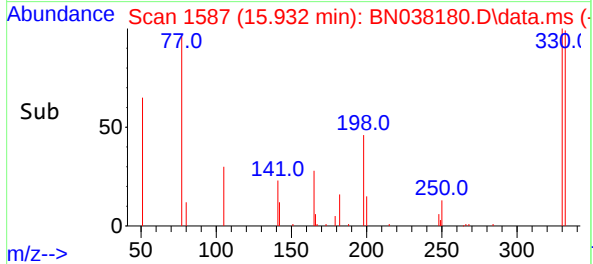
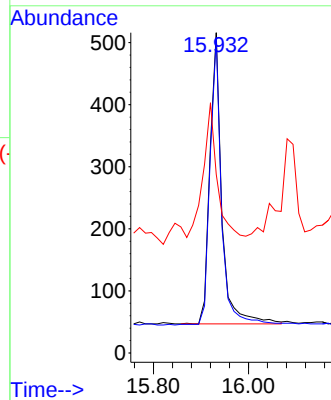
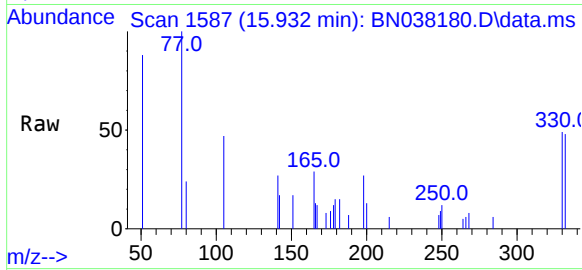




#14
2,4,6-Tribromophenol
Concen: 0.109 ng
RT: 15.932 min Scan# 1587
Delta R.T. 0.000 min
Lab File: BN038180.D
Acq: 10 Nov 2025 13:52

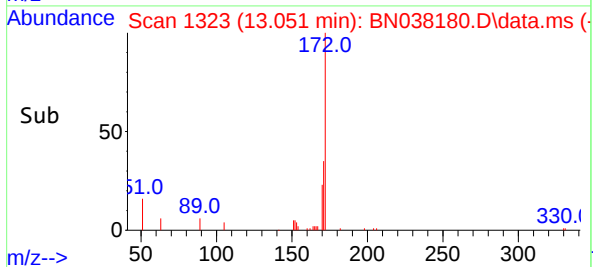
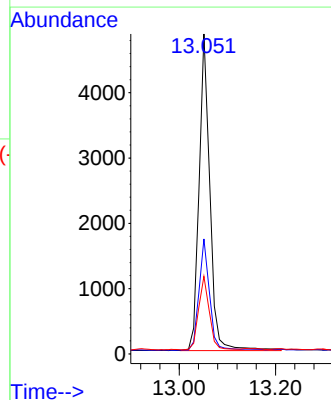
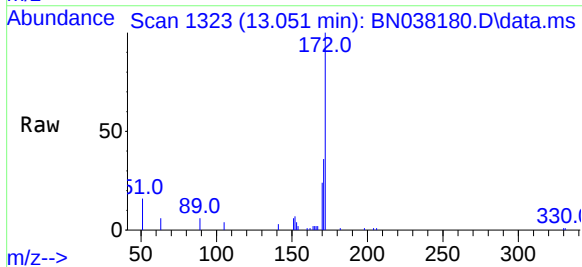
Instrument :
BNA_N
ClientSampleId :
MW-8DL

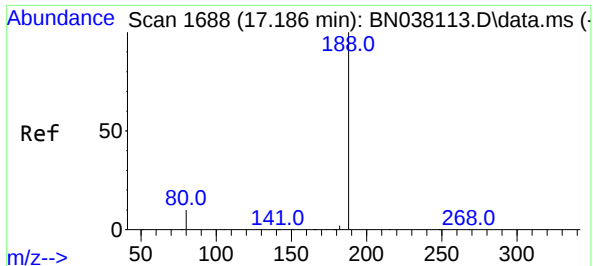
Tgt Ion:330 Resp: 815
Ion Ratio Lower Upper
330 100
332 96.1 76.6 114.8
141 55.7 34.1 51.1#



#15
2-Fluorobiphenyl
Concen: 0.102 ng
RT: 13.051 min Scan# 1323
Delta R.T. 0.000 min
Lab File: BN038180.D
Acq: 10 Nov 2025 13:52

Tgt Ion:172 Resp: 7368
Ion Ratio Lower Upper
172 100
171 35.9 27.8 41.6
170 24.2 18.1 27.1





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 17.186 min Scan# 1

Delta R.T. 0.000 min

Lab File: BN038180.D

Acq: 10 Nov 2025 13:52

Instrument :

BNA_N

ClientSampleId :

MW-8DL

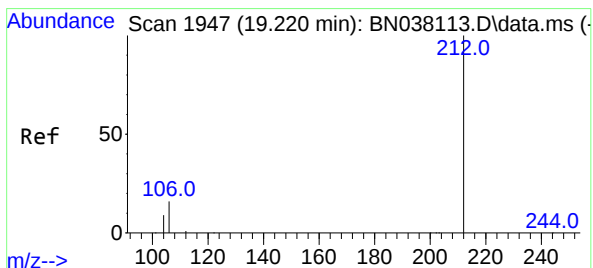
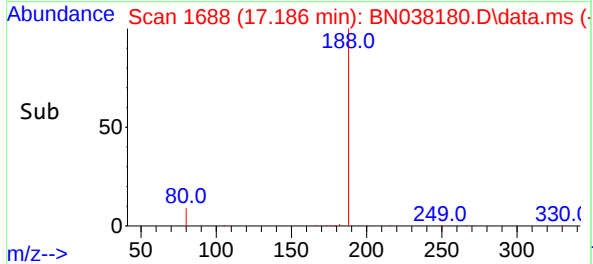
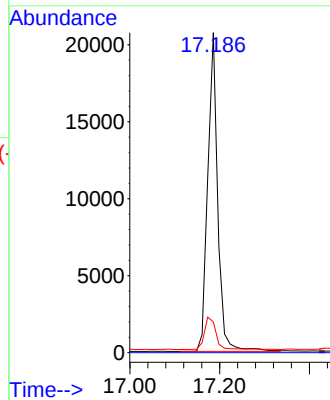
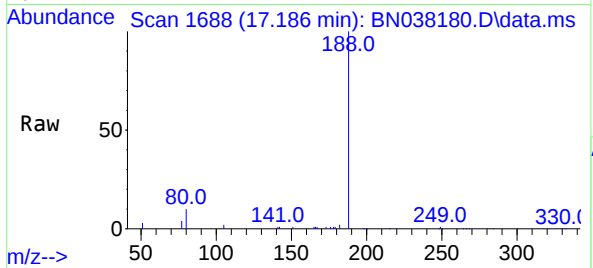
Tgt Ion:188 Resp: 31918

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

80 9.6 8.6 13.0



#27

Fluoranthene-d10

Concen: 0.085 ng

RT: 19.220 min Scan# 1947

Delta R.T. 0.000 min

Lab File: BN038180.D

Acq: 10 Nov 2025 13:52

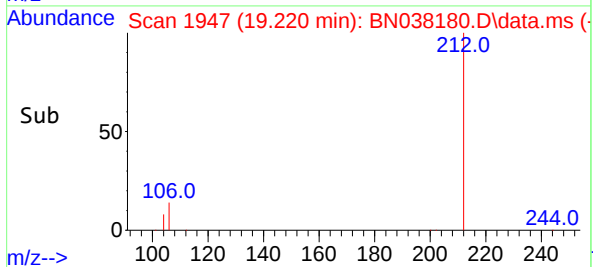
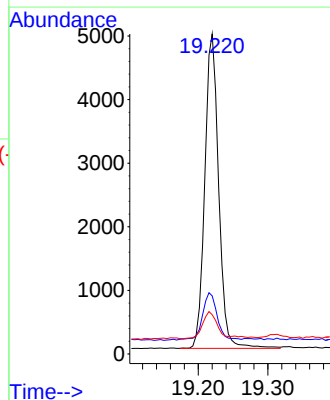
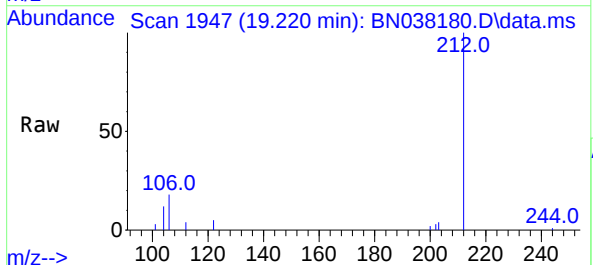
Tgt Ion:212 Resp: 6848

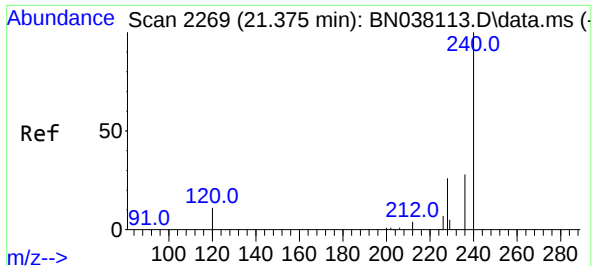
Ion Ratio Lower Upper

212 100

106 15.7 12.6 19.0

104 9.5 7.1 10.7





#29

Chrysene-d12

Concen: 0.400 ng

RT: 21.376 min Scan# 21

Delta R.T. 0.000 min

Lab File: BN038180.D

Acq: 10 Nov 2025 13:52

Instrument :

BNA_N

ClientSampleId :

MW-8DL

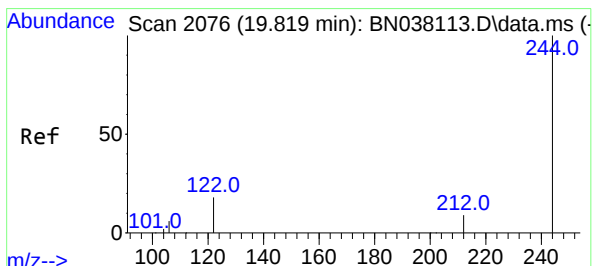
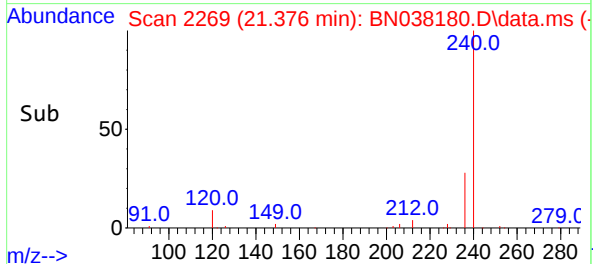
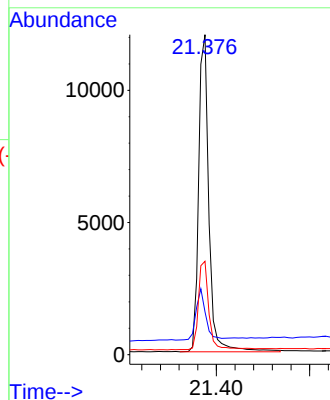
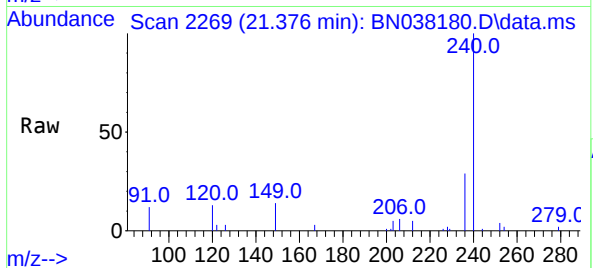
Tgt Ion:240 Resp: 18273

Ion Ratio Lower Upper

240 100

120 13.4 10.7 16.1

236 29.2 23.1 34.7



#31

Terphenyl-d14

Concen: 0.155 ng

RT: 19.819 min Scan# 2076

Delta R.T. 0.000 min

Lab File: BN038180.D

Acq: 10 Nov 2025 13:52

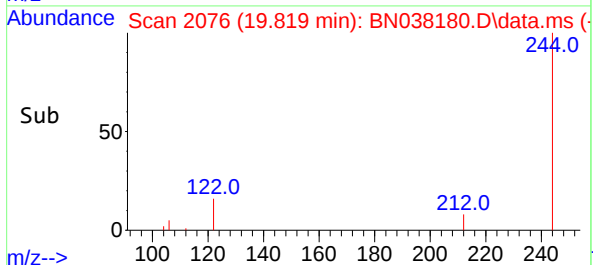
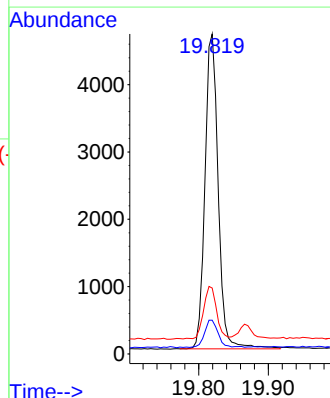
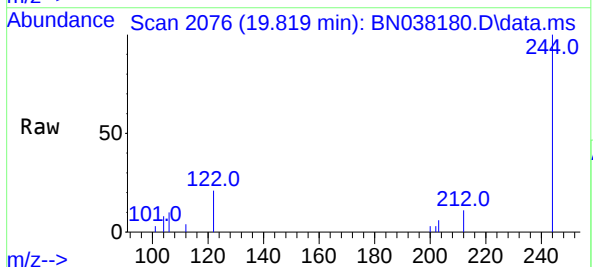
Tgt Ion:244 Resp: 6164

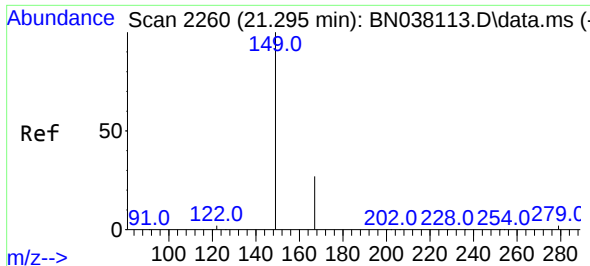
Ion Ratio Lower Upper

244 100

212 10.5 7.8 11.6

122 20.6 15.2 22.8

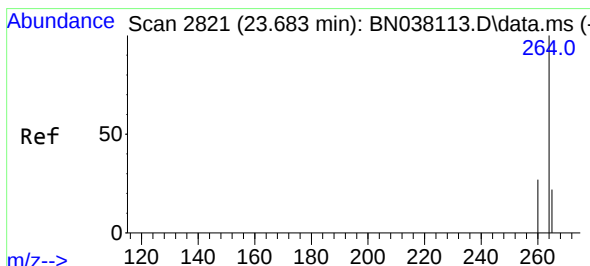
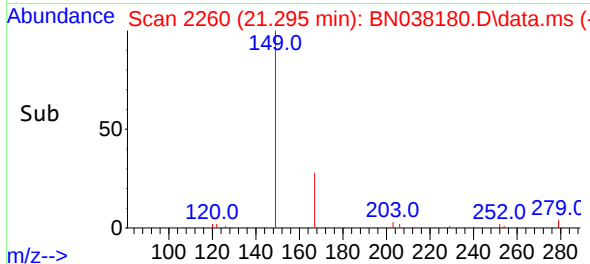
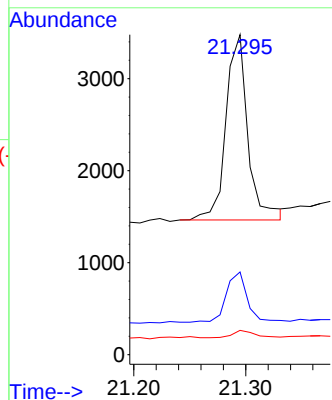
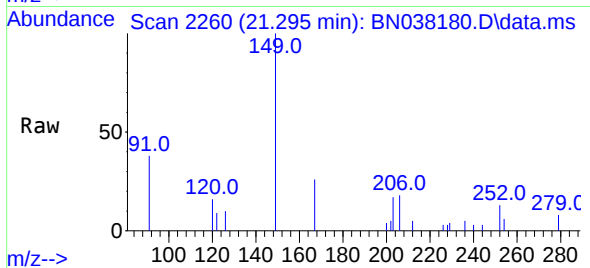




#34
Bis(2-ethylhexyl)phthalate
Concen: 0.080 ng
RT: 21.295 min Scan# 21
Delta R.T. 0.000 min
Lab File: BN038180.D
Acq: 10 Nov 2025 13:52

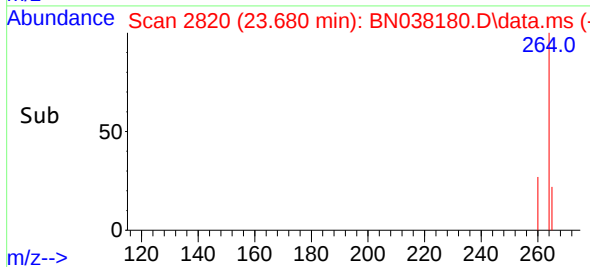
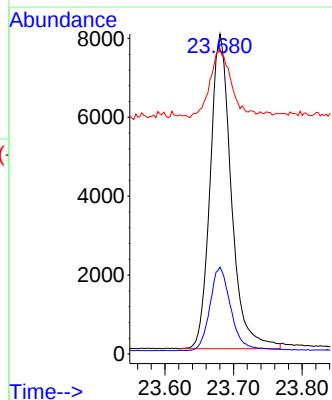
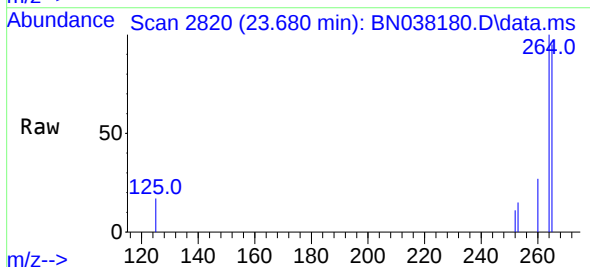
Instrument :
BNA_N
ClientSampleId :
MW-8DL

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



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

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



Report of Analysis

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

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

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 : BN038154.D
 Acq On : 07 Nov 2025 14:56
 Operator : RC/JU
 Sample : Q3552-03
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 MW-9

Manual Integrations
APPROVED

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

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

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

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

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

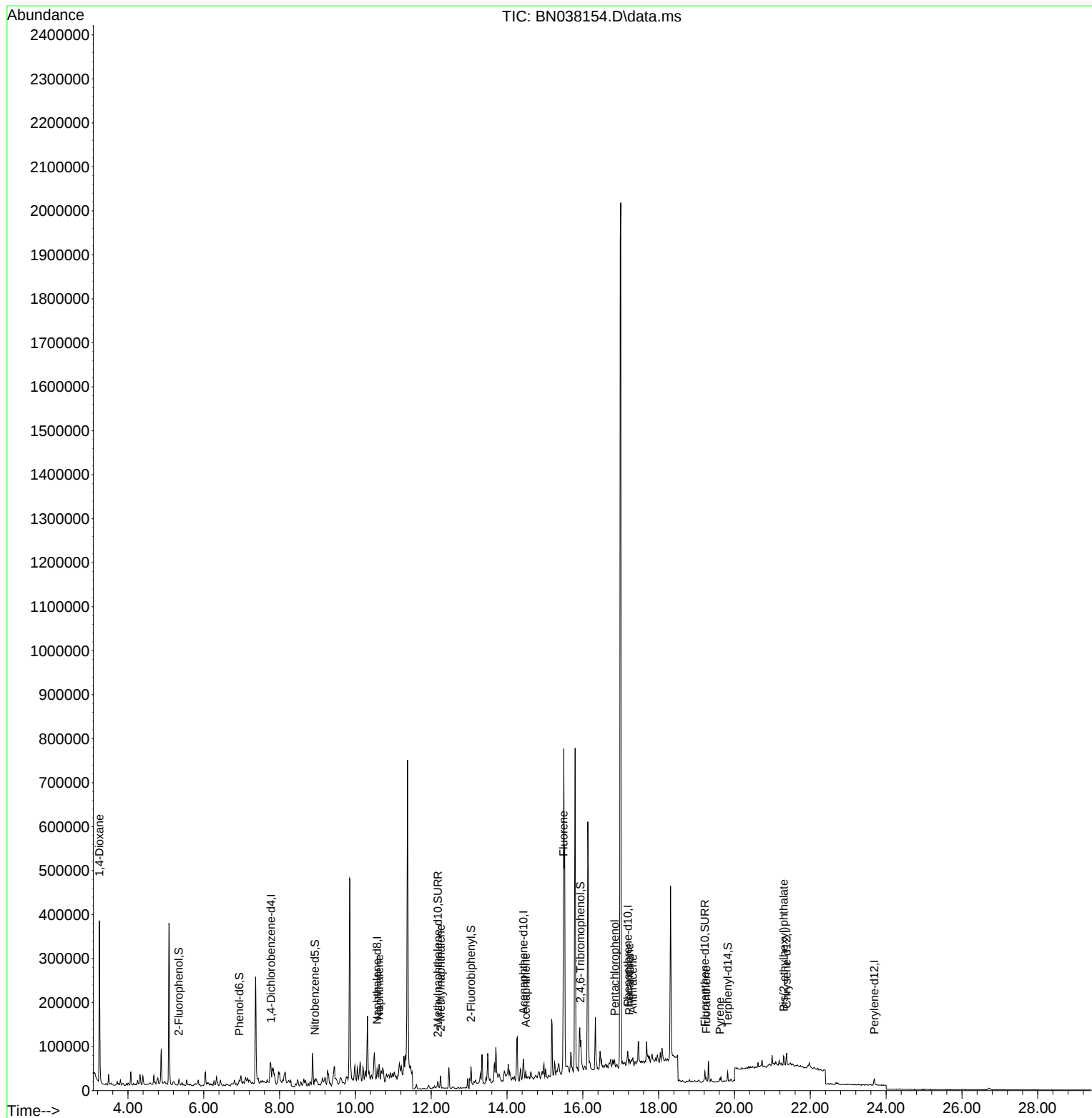
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN110725\
Data File : BN038154.D
Acq On : 07 Nov 2025 14:56
Operator : RC/JU
Sample : Q3552-03
Misc :
ALS Vial : 9 Sample Multiplier: 1

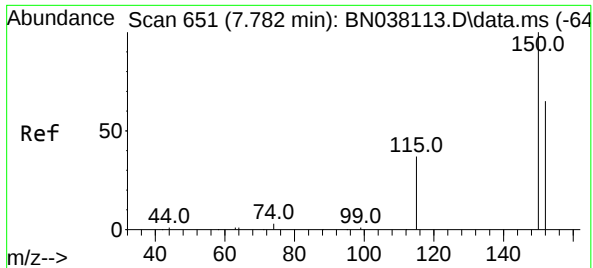
Instrument :
BNA_N
ClientSampleId :
MW-9

Manual Integrations
APPROVED

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

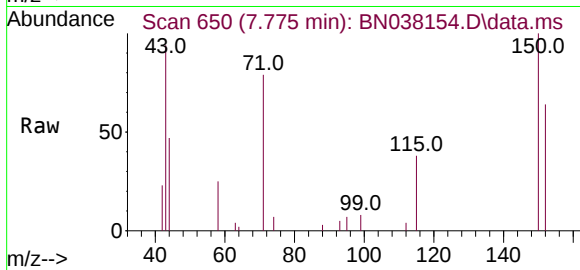
Quant Time: Nov 07 15:20:30 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN102825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Oct 29 13:09:46 2025
Response via : Initial Calibration





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

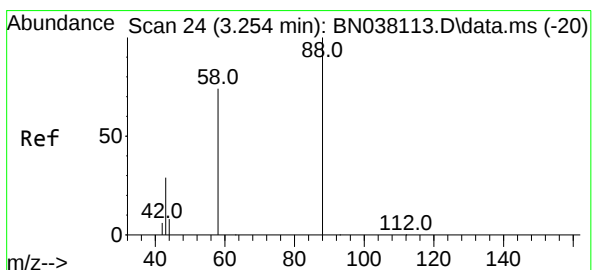
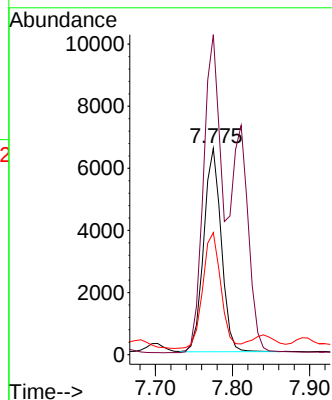
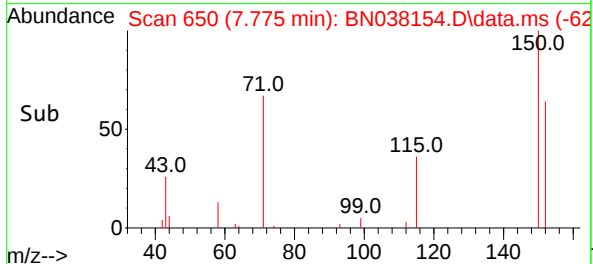
Instrument :
BNA_N
ClientSampleId :
MW-9



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

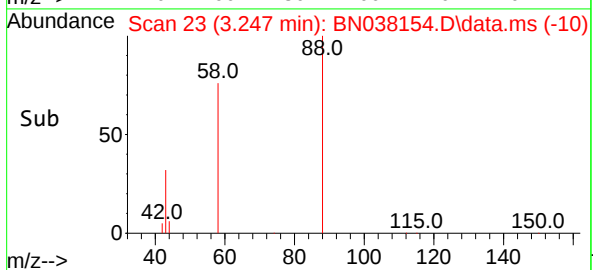
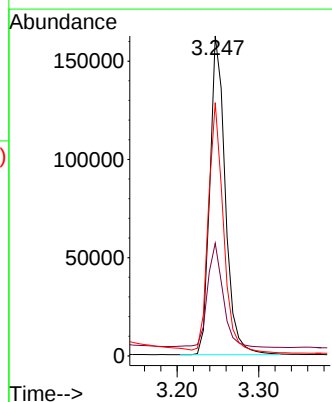
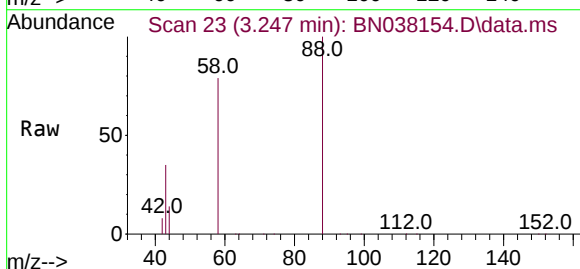
Manual Integrations
APPROVED

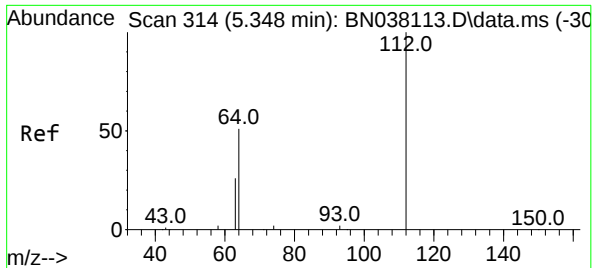
Reviewed By :Rahul Chavli 11/10/2025
Supervised By :Jagrut Upadhyay 11/10/2025



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

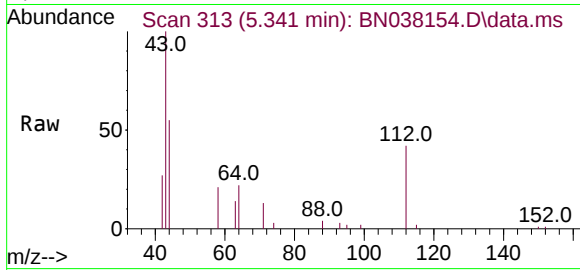
Tgt Ion: 88 Resp: 212427
Ion Ratio Lower Upper
88 100
43 33.2 24.3 36.5
58 76.6 60.4 90.6





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

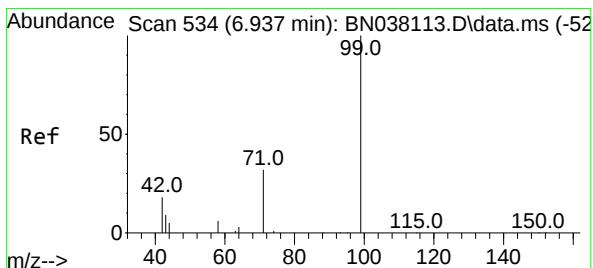
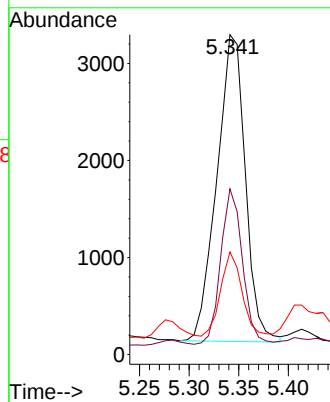
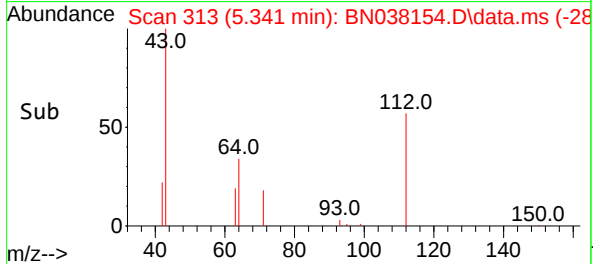
Instrument :
BNA_N
ClientSampleId :
MW-9



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

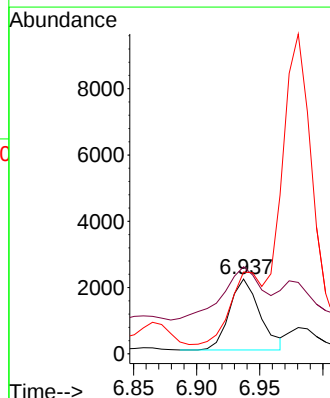
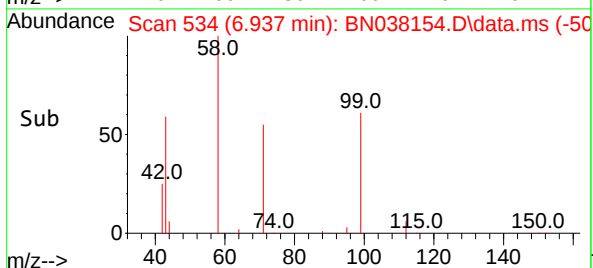
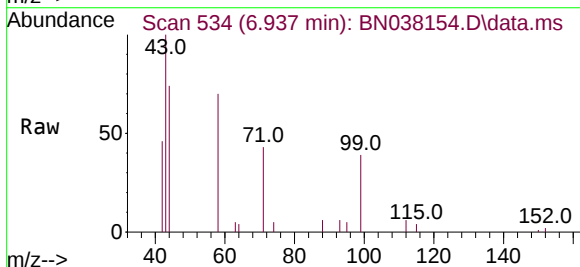
Manual Integrations
APPROVED

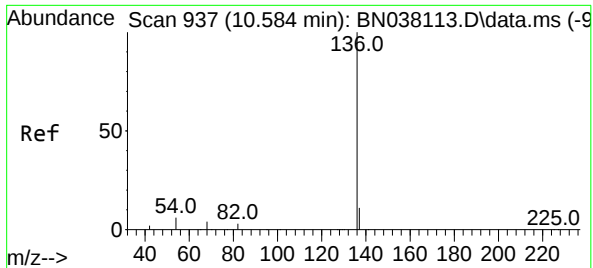
Reviewed By :Rahul Chavli 11/10/2025
Supervised By :Jagrut Upadhyay 11/10/2025



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

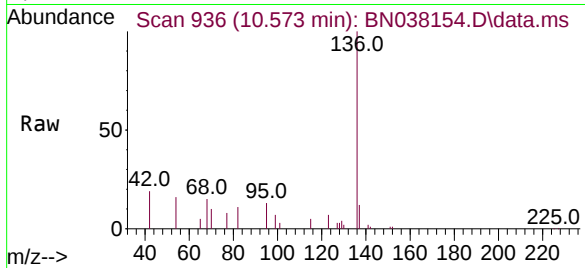
Tgt Ion: 99 Resp: 3612
Ion Ratio Lower Upper
99 100
42 97.3 16.6 24.8#
71 0.0 25.4 38.2#





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

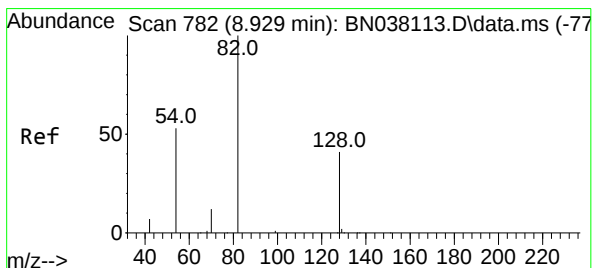
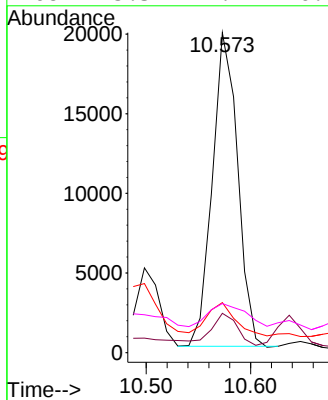
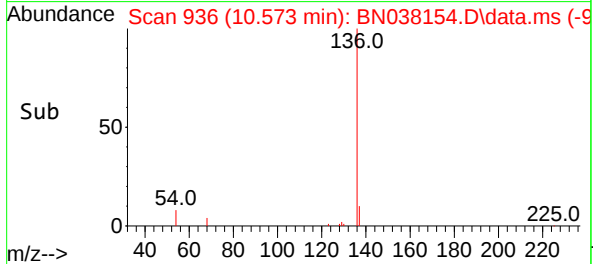
Instrument :
BNA_N
ClientSampleId :
MW-9



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

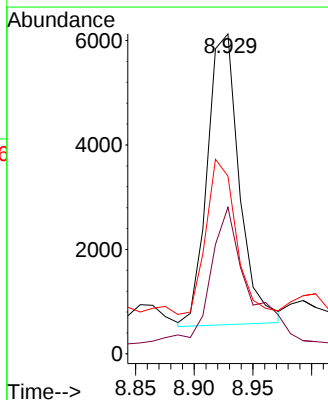
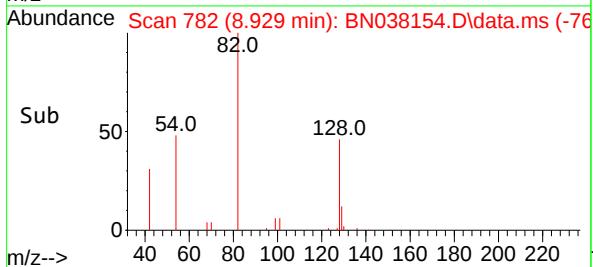
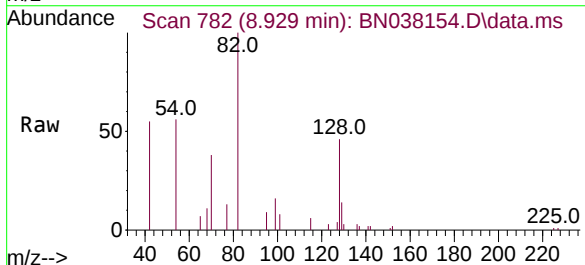
Manual Integrations
APPROVED

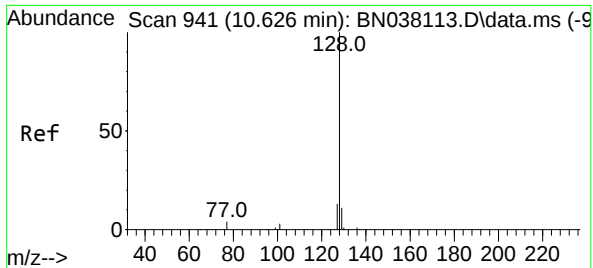
Reviewed By :Rahul Chavli 11/10/2025
Supervised By :Jagrut Upadhyay 11/10/2025



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

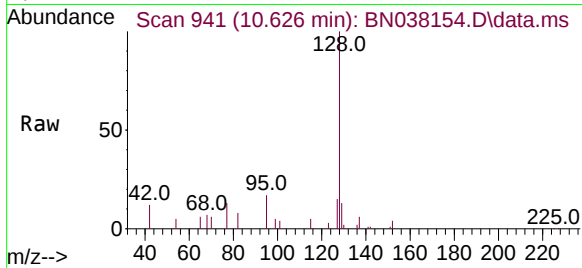
Tgt Ion: 82 Resp: 10645
Ion Ratio Lower Upper
82 100
128 45.8 34.1 51.1
54 55.5 43.5 65.3





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

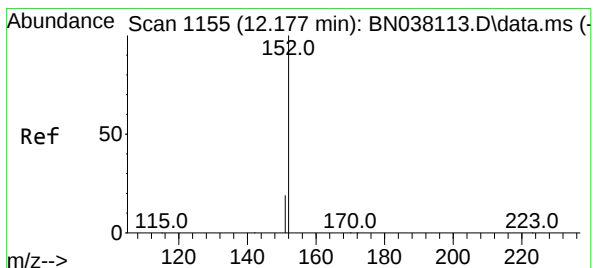
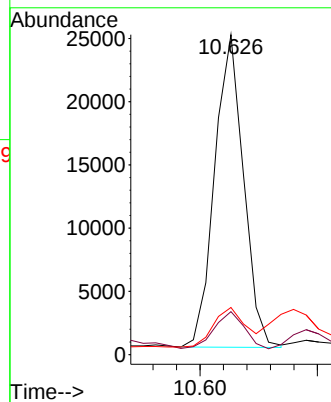
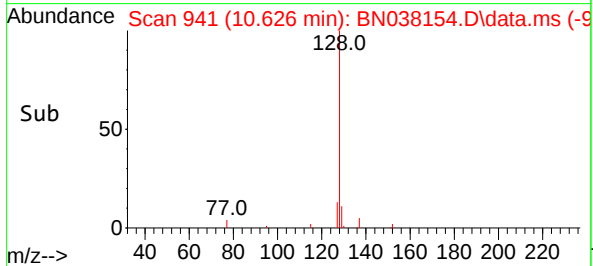
Instrument :
BNA_N
ClientSampleId :
MW-9



Tgt Ion:128 Resp: 42262
Ion Ratio Lower Upper
128 100
129 13.4 9.1 13.7
127 14.7 10.5 15.7

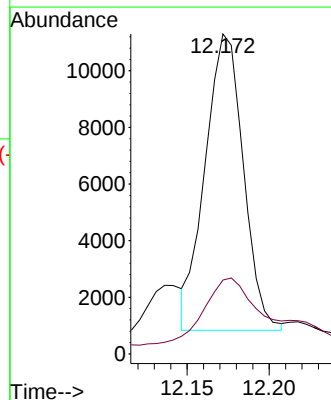
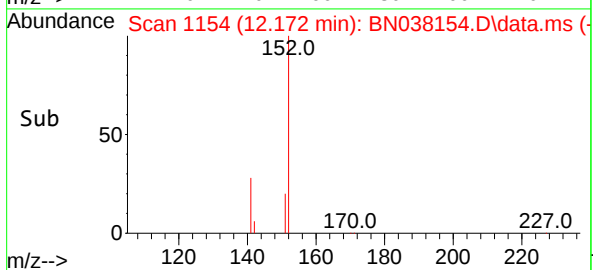
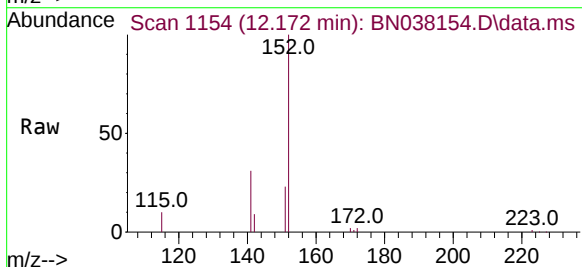
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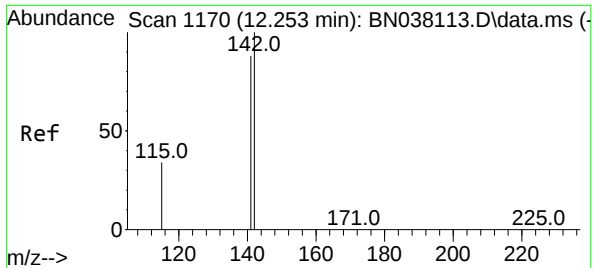
Reviewed By :Rahul Chavli 11/10/2025
Supervised By :Jagrut Upadhyay 11/10/2025



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

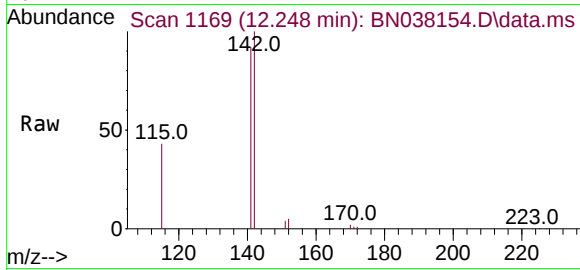
Tgt Ion:152 Resp: 16944
Ion Ratio Lower Upper
152 100
151 42.1 16.8 25.2#





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

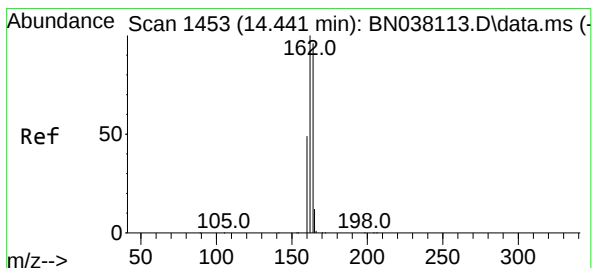
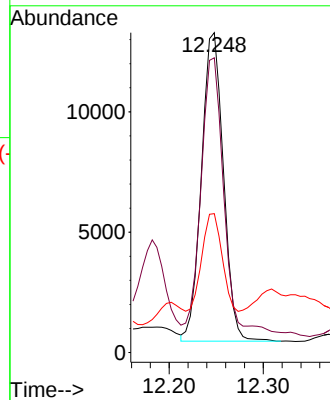
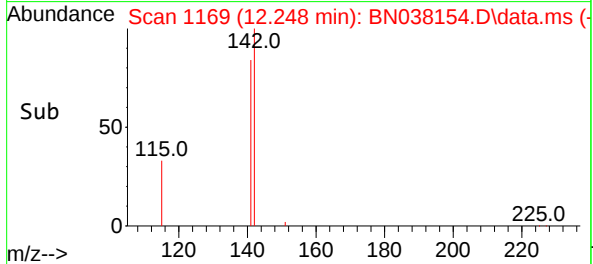
Instrument :
BNA_N
ClientSampleId :
MW-9



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

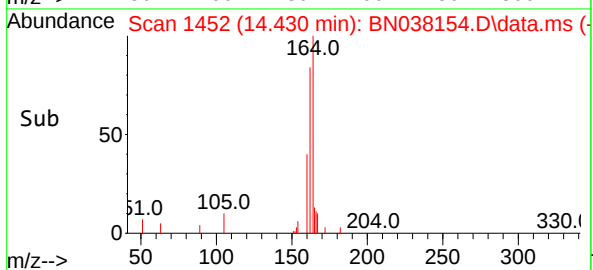
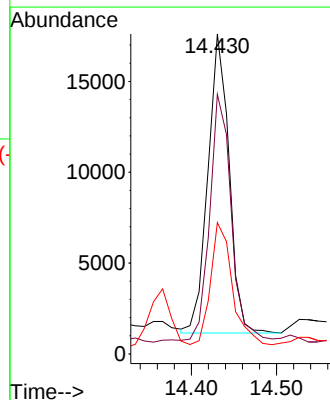
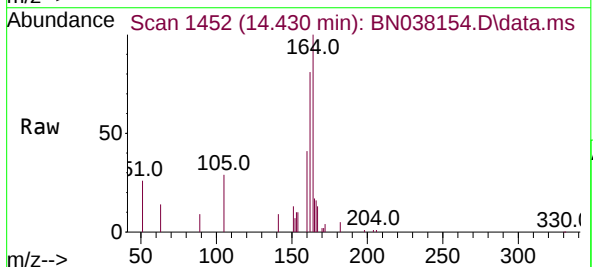
Manual Integrations
APPROVED

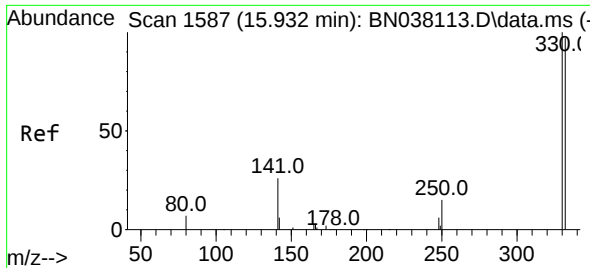
Reviewed By :Rahul Chavli 11/10/2025
Supervised By :Jagrut Upadhyay 11/10/2025



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

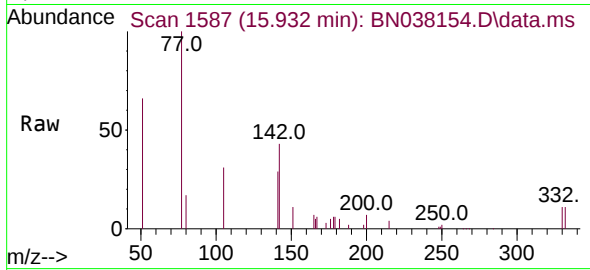
Tgt Ion:164 Resp: 28422
Ion Ratio Lower Upper
164 100
162 81.1 83.0 124.4#
160 41.0 40.7 61.1





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

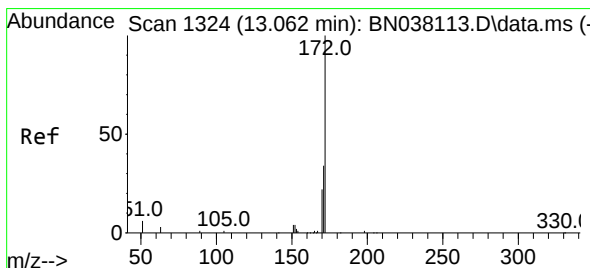
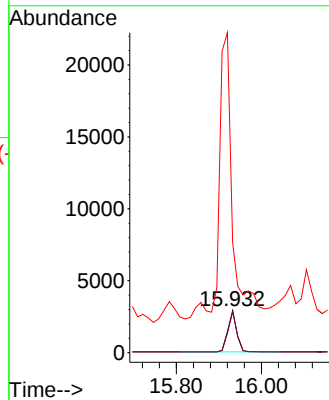
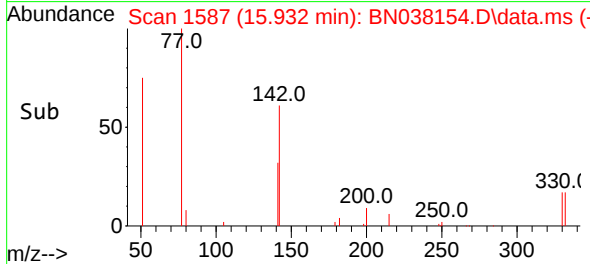
Instrument :
BNA_N
ClientSampleId :
MW-9



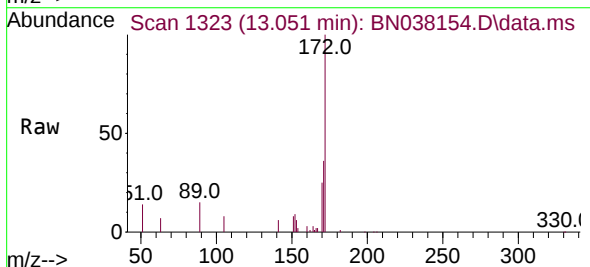
Tgt Ion: 330 Resp: 415
Ion Ratio Lower Upper
330 100
332 97.8 76.6 114.8
141 910.5 34.1 51.1

Manual Integrations
APPROVED

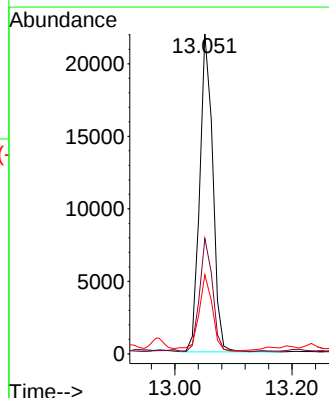
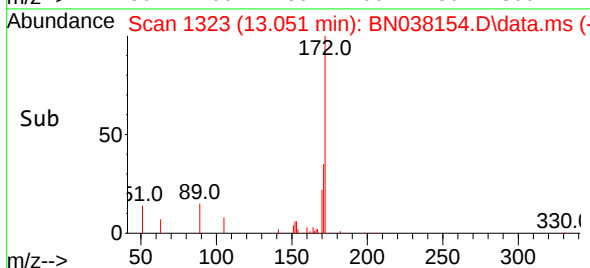
Reviewed By :Rahul Chavli 11/10/2025
Supervised By :Jagrut Upadhyay 11/10/2025

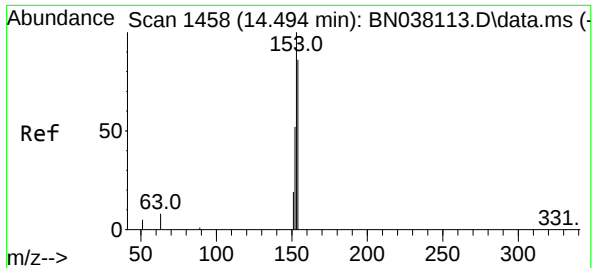


#15
2-Fluorobiphenyl
Concen: 0.296 ng
RT: 13.051 min Scan# 1323
Delta R.T. 0.000 min
Lab File: BN038154.D
Acq: 07 Nov 2025 14:56



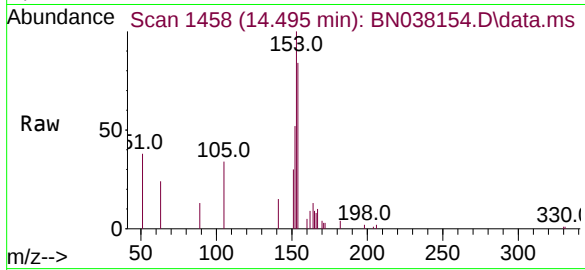
Tgt Ion: 172 Resp: 33737
Ion Ratio Lower Upper
172 100
171 36.1 27.8 41.6
170 24.7 18.1 27.1





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

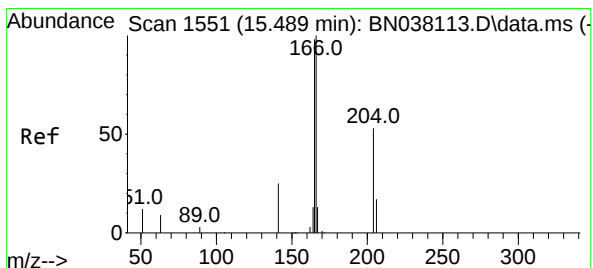
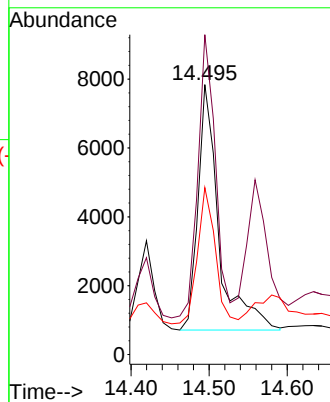
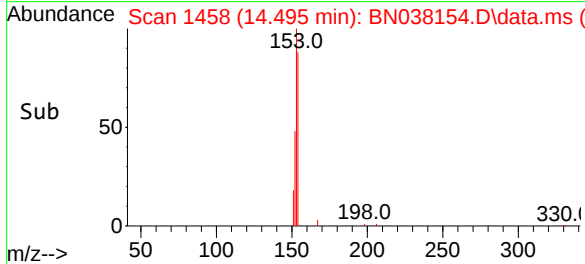
Instrument :
BNA_N
ClientSampleId :
MW-9



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

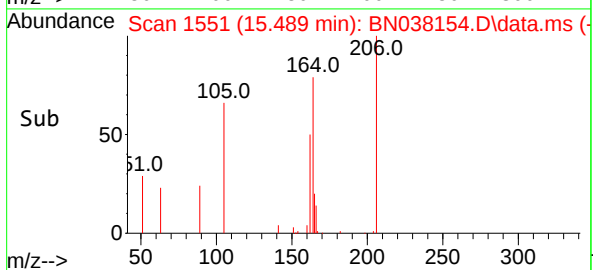
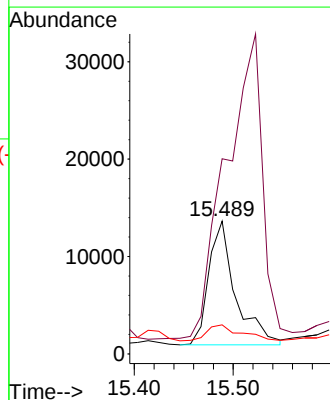
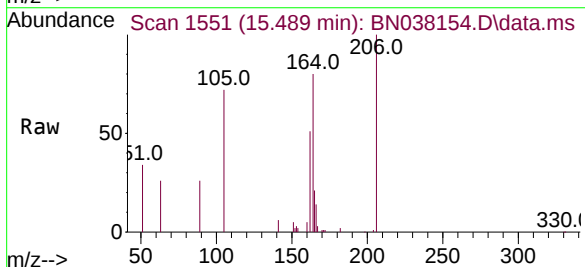
Manual Integrations
APPROVED

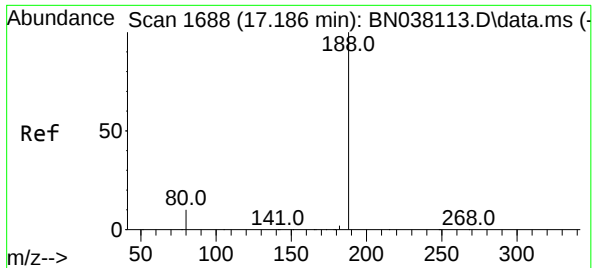
Reviewed By :Rahul Chavli 11/10/2025
Supervised By :Jagrut Upadhyay 11/10/2025



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

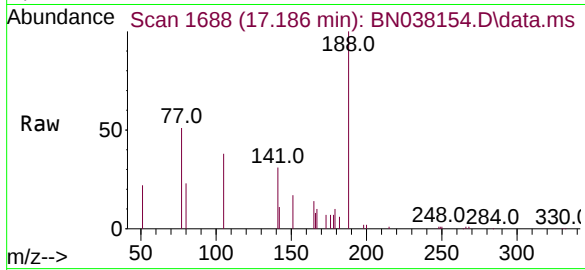
Tgt Ion:166 Resp: 24796
Ion Ratio Lower Upper
166 100
165 0.0 79.0 118.4#
167 16.1 10.7 16.1#





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

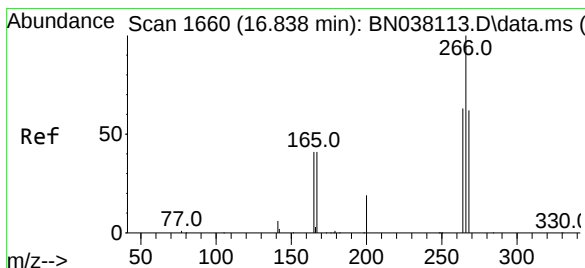
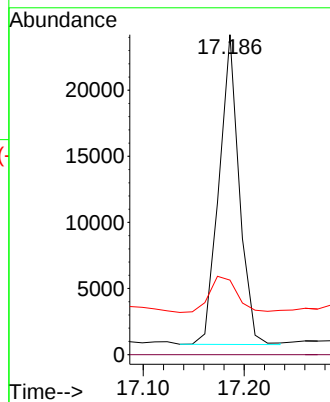
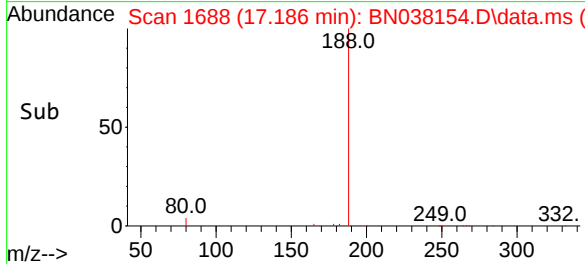
Instrument :
BNA_N
ClientSampleId :
MW-9



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

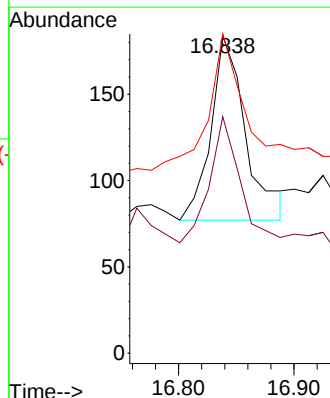
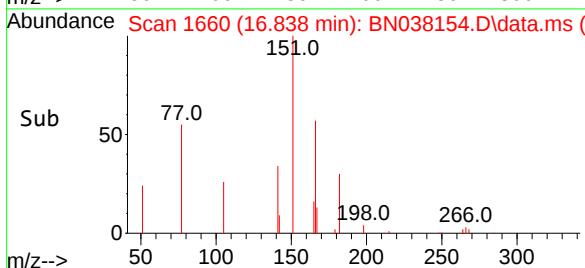
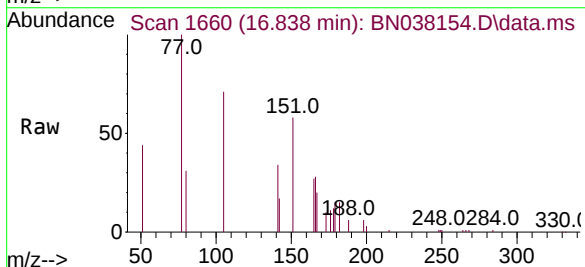
Manual Integrations
APPROVED

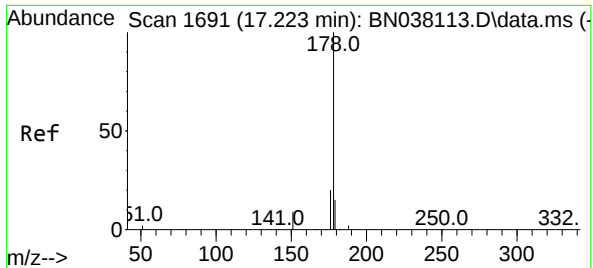
Reviewed By :Rahul Chavli 11/10/2025
Supervised By :Jagrut Upadhyay 11/10/2025



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

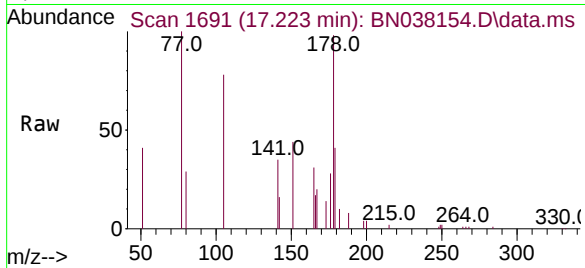
Tgt Ion:266 Resp: 225
Ion Ratio Lower Upper
266 100
264 59.1 49.3 73.9
268 88.0 50.6 75.8





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

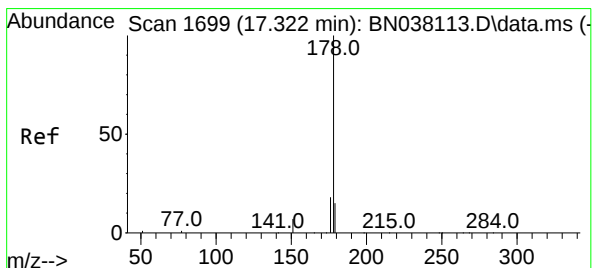
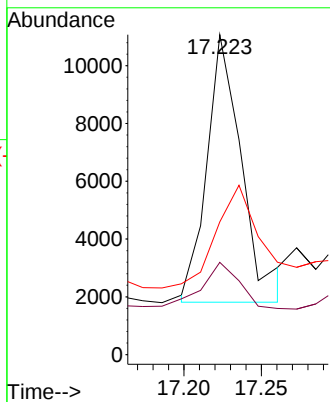
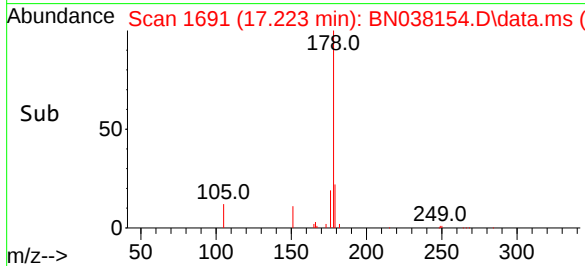
Instrument :
BNA_N
ClientSampleId :
MW-9



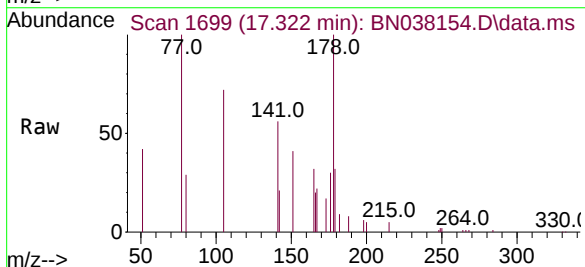
Tgt Ion:178 Resp: 14514
Ion Ratio Lower Upper
178 100
176 27.9 15.5 23.3
179 20.7 12.2 18.4

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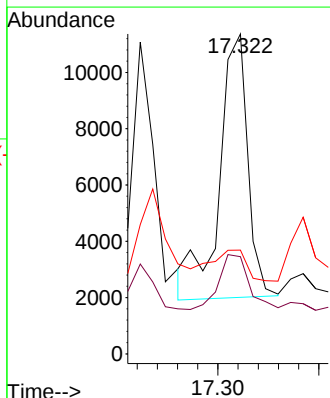
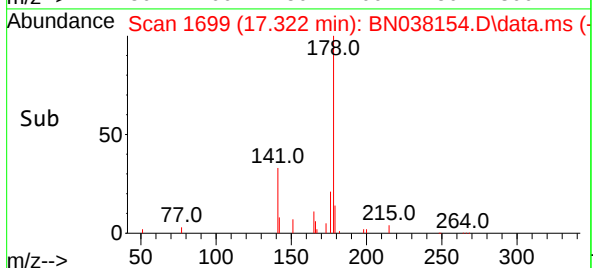
Reviewed By :Rahul Chavli 11/10/2025
Supervised By :Jagrut Upadhyay 11/10/2025

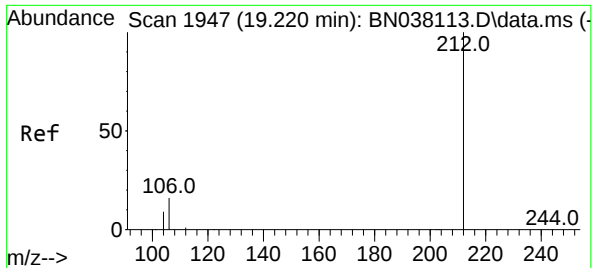


#26
Anthracene
Concen: 0.203 ng
RT: 17.322 min Scan# 1699
Delta R.T. 0.000 min
Lab File: BN038154.D
Acq: 07 Nov 2025 14:56



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





#27

Fluoranthene-d10

Concen: 0.311 ng

RT: 19.220 min Scan# 1947

Delta R.T. 0.000 min

Lab File: BN038154.D

Acq: 07 Nov 2025 14:56

Instrument :

BNA_N

ClientSampleId :

MW-9

Tgt Ion:212 Resp: 25672

Ion Ratio Lower Upper

212 100

106 28.5 12.6 19.0

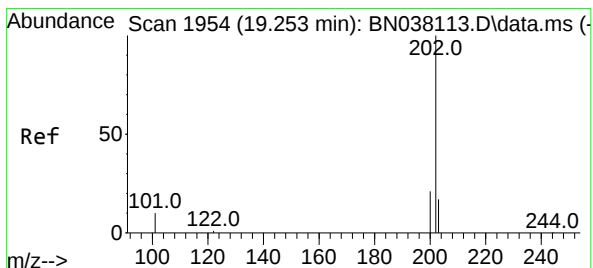
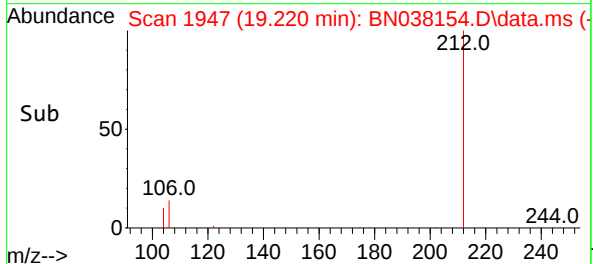
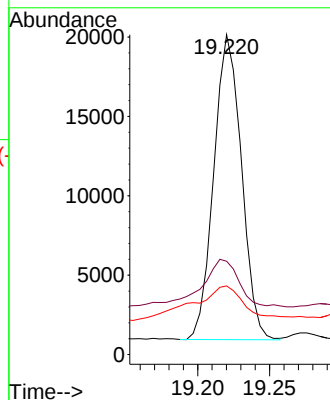
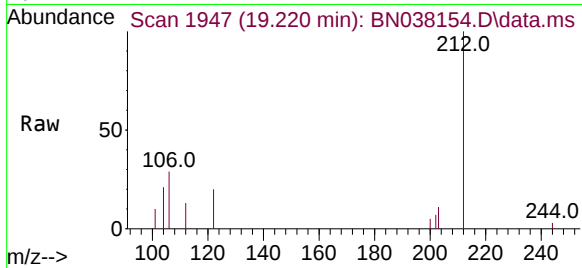
104 22.6 7.1 10.7

Manual Integrations

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Reviewed By :Rahul Chavli 11/10/2025

Supervised By :Jagrut Upadhyay 11/10/2025



#28

Fluoranthene

Concen: 0.052 ng

RT: 19.253 min Scan# 1954

Delta R.T. 0.000 min

Lab File: BN038154.D

Acq: 07 Nov 2025 14:56

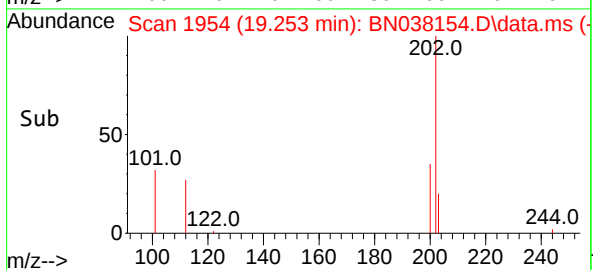
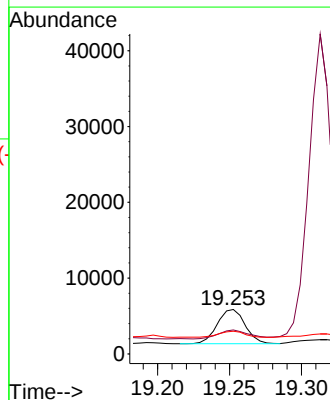
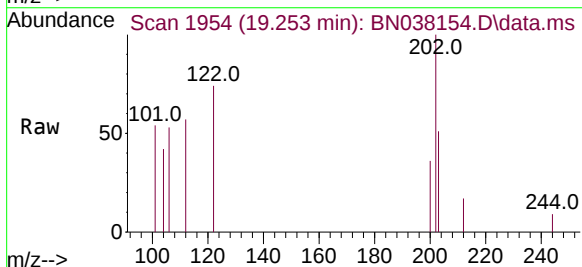
Tgt Ion:202 Resp: 6074

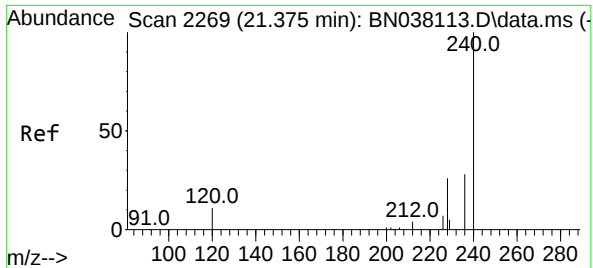
Ion Ratio Lower Upper

202 100

101 28.8 9.4 14.2

203 16.7 13.4 20.2





#29

Chrysene-d12

Concen: 0.400 ng

RT: 21.375 min Scan# 21

Delta R.T. 0.000 min

Lab File: BN038154.D

Acq: 07 Nov 2025 14:56

Instrument :

BNA_N

ClientSampleId :

MW-9

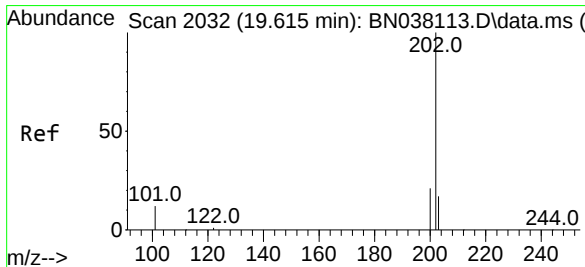
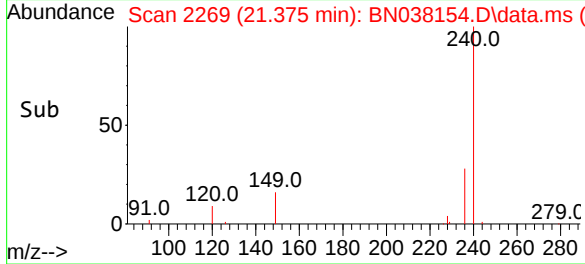
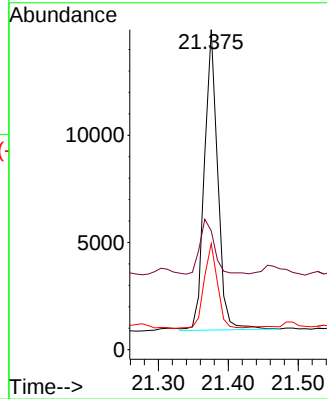
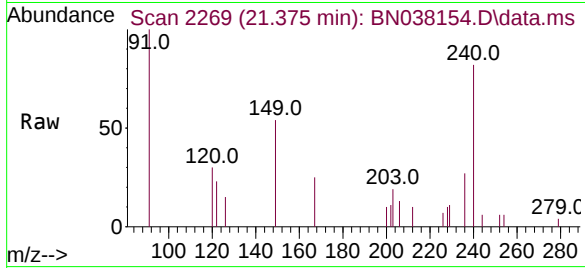
Tgt Ion:240	Resp:	18523
Ion Ratio	Lower	Upper
240	100	
120	37.1	10.7 16.1#
236	33.1	23.1 34.7

Manual Integrations

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Reviewed By :Rahul Chavli 11/10/2025

Supervised By :Jagrut Upadhyay 11/10/2025



#30

Pyrene

Concen: 0.082 ng

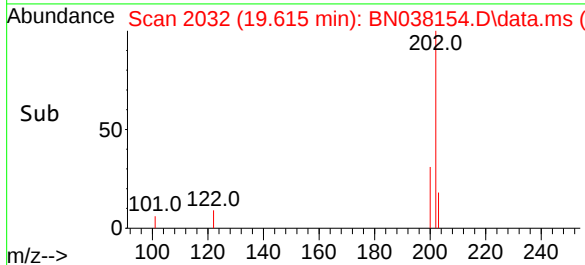
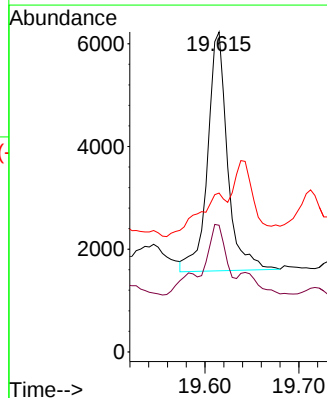
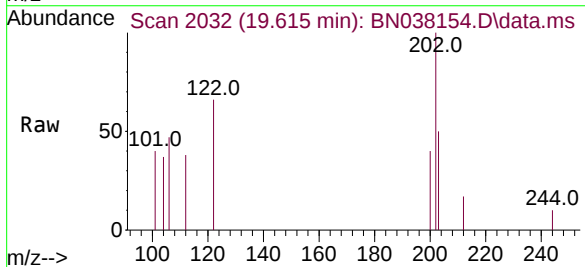
RT: 19.615 min Scan# 2032

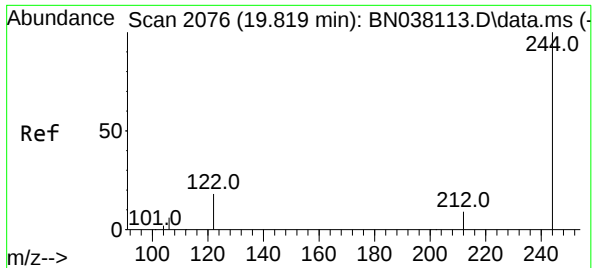
Delta R.T. 0.005 min

Lab File: BN038154.D

Acq: 07 Nov 2025 14:56

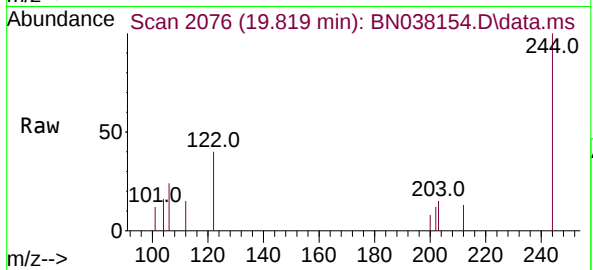
Tgt Ion:202	Resp:	6838
Ion Ratio	Lower	Upper
202	100	
200	29.5	16.7 25.1#
203	26.0	14.2 21.2#





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

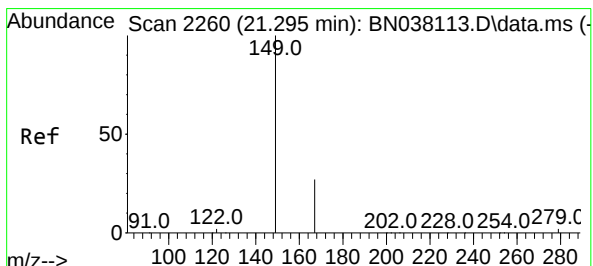
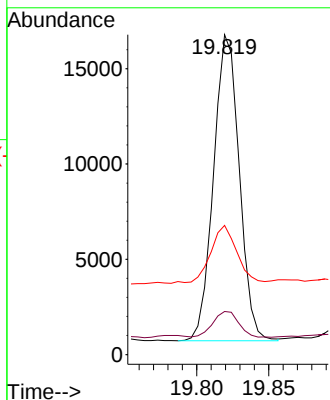
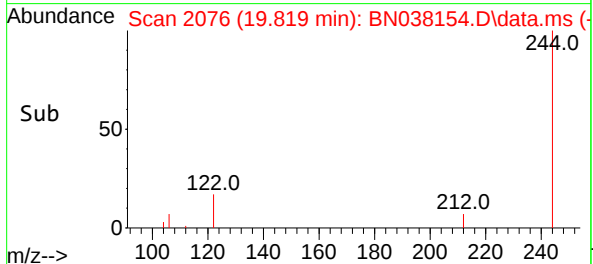
Instrument :
BNA_N
ClientSampleId :
MW-9



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

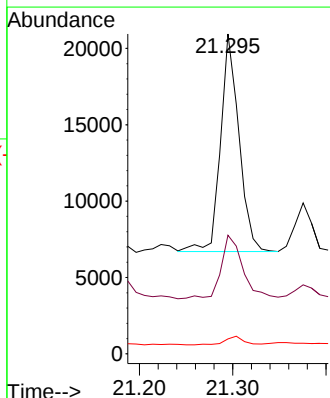
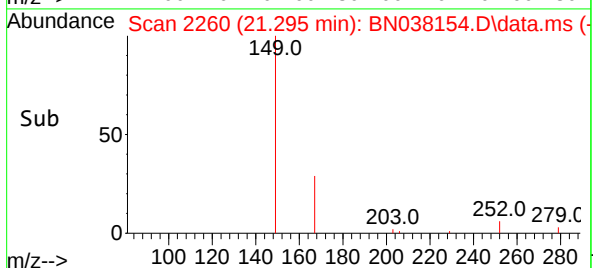
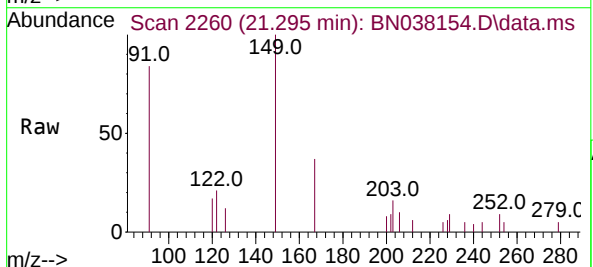
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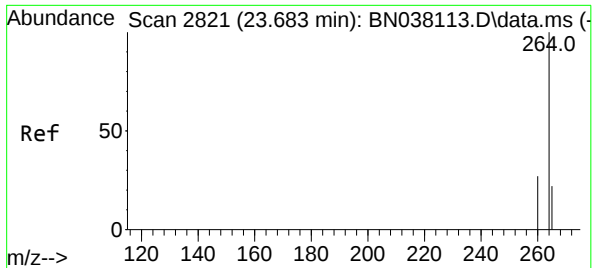
Reviewed By :Rahul Chavli 11/10/2025
Supervised By :Jagrut Upadhyay 11/10/2025



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

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





#35

Perylene-d12

Concen: 0.400 ng

RT: 23.686 min Scan# 28

Delta R.T. 0.006 min

Lab File: BN038154.D

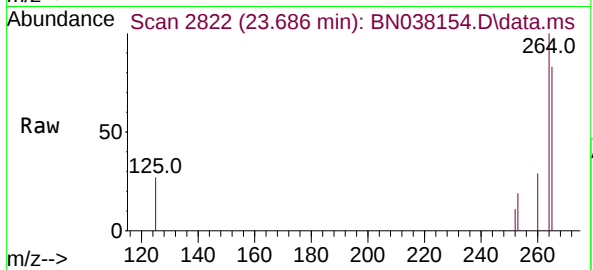
Acq: 07 Nov 2025 14:56

Instrument :

BNA_N

ClientSampleId :

MW-9



Tgt Ion:264 Resp: 19674

Ion Ratio Lower Upper

264 100

260 28.9 21.8 32.8

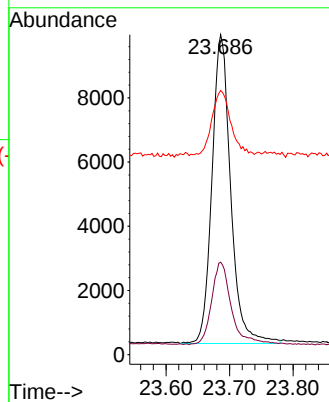
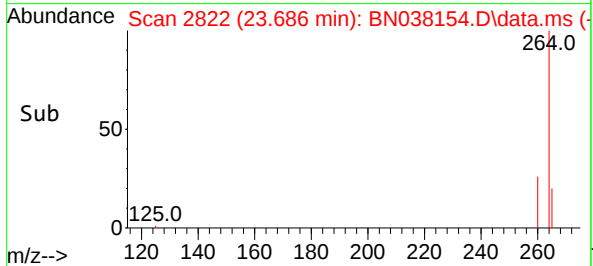
265 82.5 68.6 102.8

Manual Integrations

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

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

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 : BN038179.D
 Acq On : 10 Nov 2025 13:16
 Operator : RC/JU
 Sample : Q3552-03DL 5X
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 MW-9DL

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

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

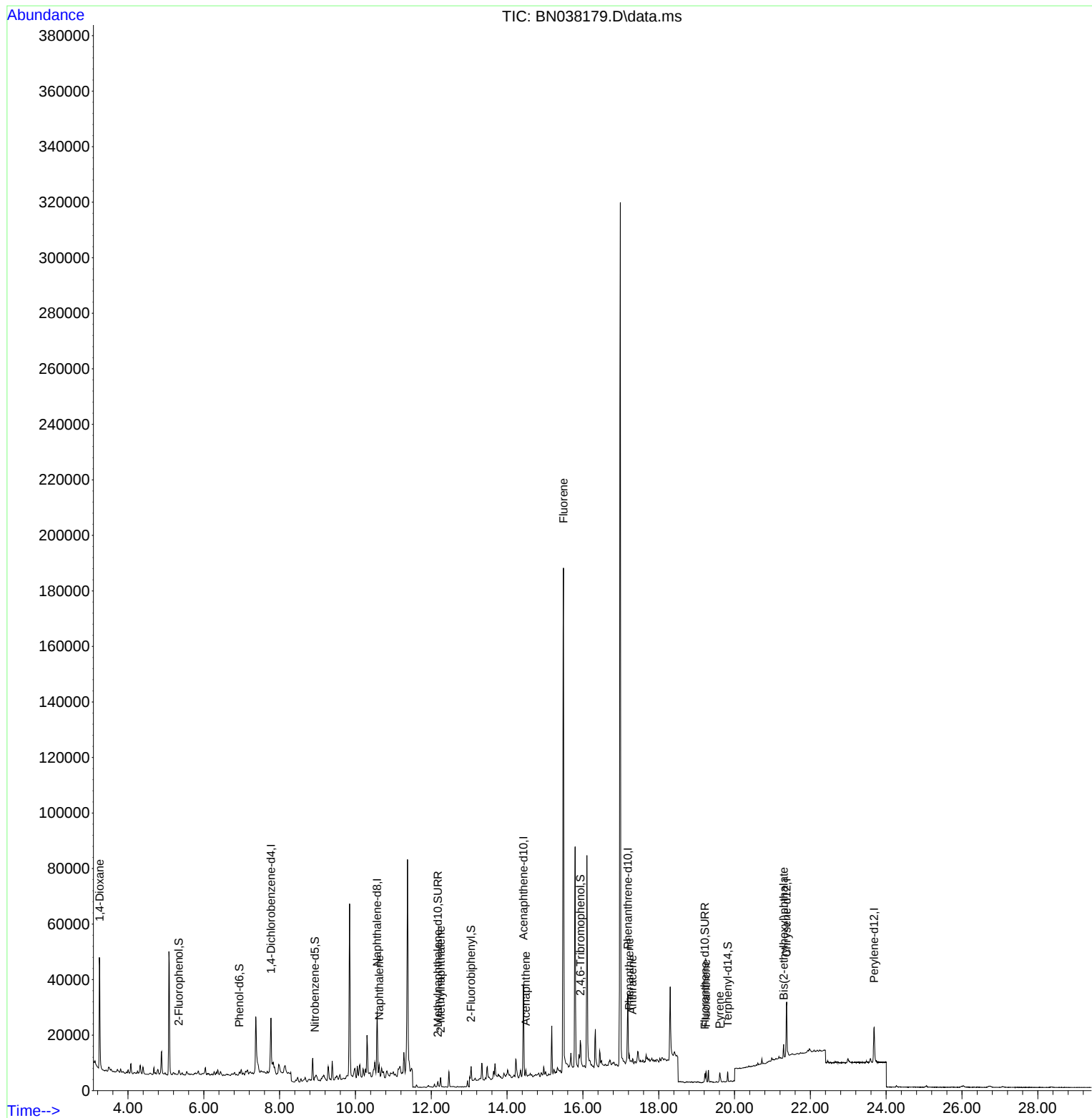
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.775	152	9073	0.400	ng	0.00
7) Naphthalene-d8	10.573	136	30875	0.400	ng	# 0.00
13) Acenaphthene-d10	14.430	164	19011	0.400	ng	0.00
19) Phenanthrene-d10	17.186	188	33058	0.400	ng	0.00
29) Chrysene-d12	21.375	240	19022	0.400	ng	0.00
35) Perylene-d12	23.683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

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

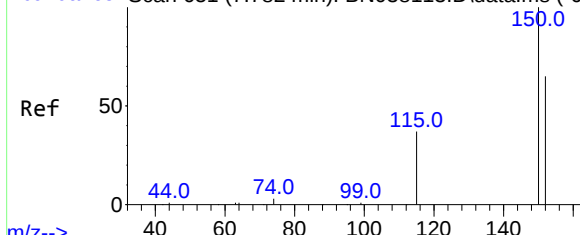
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN111025\
Data File : BN038179.D
Acq On : 10 Nov 2025 13:16
Operator : RC/JU
Sample : Q3552-03DL 5X
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
MW-9DL

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



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



#1

1,4-Dichlorobenzene-d4

Concen: 0.400 ng

RT: 7.775 min Scan# 61

Delta R.T. -0.000 min

Lab File: BN038179.D

Acq: 10 Nov 2025 13:16

Instrument :

BNA_N

ClientSampleId :

MW-9DL

Tgt Ion:152 Resp: 9073

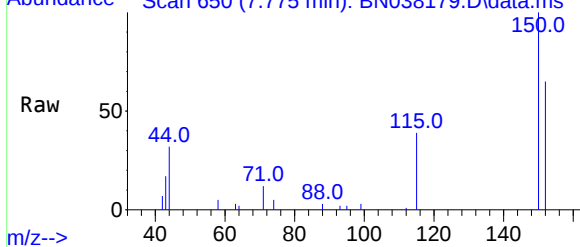
Ion Ratio Lower Upper

152 100

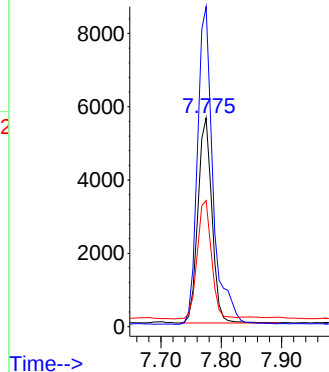
150 153.3 122.3 183.5

115 60.4 47.4 71.0

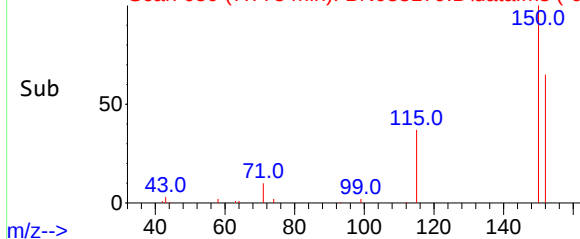
Abundance Scan 650 (7.775 min): BN038179.D\data.ms



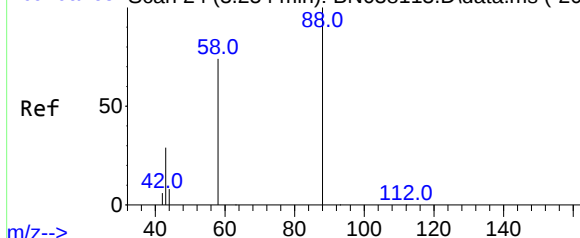
Abundance



Abundance Scan 650 (7.775 min): BN038179.D\data.ms (-62



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



#2

1,4-Dioxane

Concen: 2.756 ng

RT: 3.254 min Scan# 24

Delta R.T. -0.000 min

Lab File: BN038179.D

Acq: 10 Nov 2025 13:16

Tgt Ion: 88 Resp: 25832

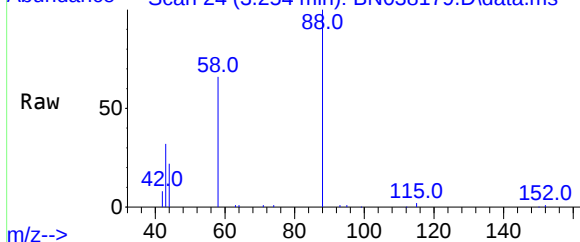
Ion Ratio Lower Upper

88 100

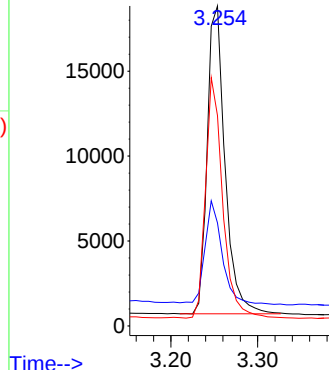
43 32.6 24.3 36.5

58 75.3 60.4 90.6

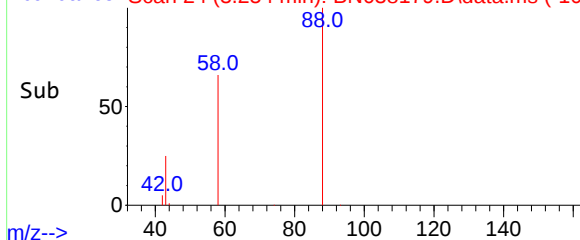
Abundance Scan 24 (3.254 min): BN038179.D\data.ms



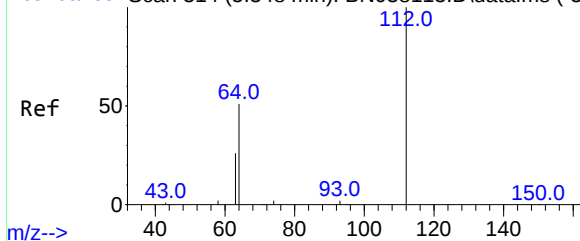
Abundance



Abundance Scan 24 (3.254 min): BN038179.D\data.ms (-10)



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



#4

2-Fluorophenol

Concen: 0.037 ng

RT: 5.341 min Scan# 31

Delta R.T. -0.007 min

Lab File: BN038179.D

Acq: 10 Nov 2025 13:16

Instrument :

BNA_N

ClientSampleId :

MW-9DL

Tgt Ion:112 Resp: 793

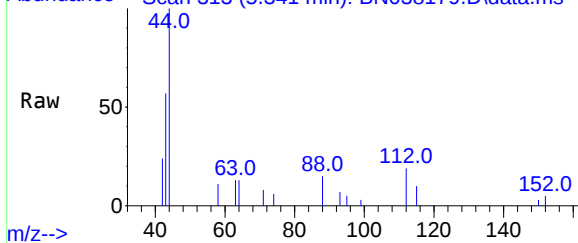
Ion Ratio Lower Upper

112 100

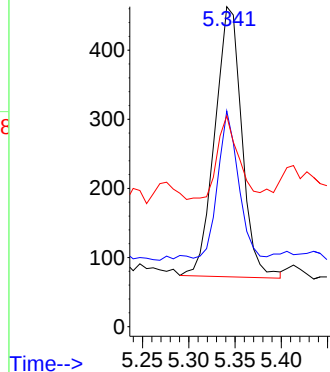
64 43.3 45.4 68.0#

63 24.7 23.2 34.8

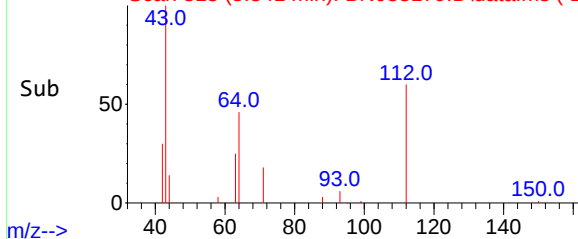
Abundance Scan 313 (5.341 min): BN038179.D\data.ms



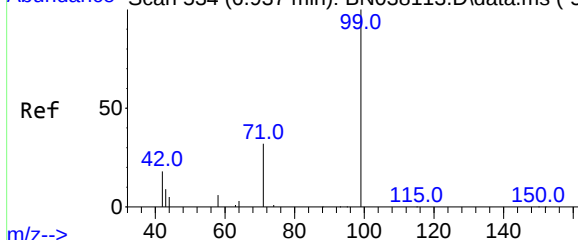
Abundance



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



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



#5

Phenol-d6

Concen: 0.021 ng

RT: 6.937 min Scan# 534

Delta R.T. -0.000 min

Lab File: BN038179.D

Acq: 10 Nov 2025 13:16

Tgt Ion: 99 Resp: 548

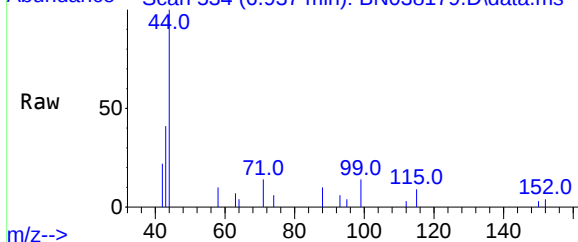
Ion Ratio Lower Upper

99 100

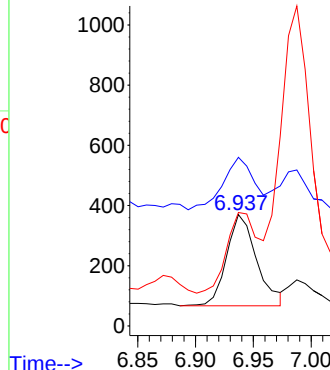
42 60.4 16.6 24.8#

71 94.7 25.4 38.2#

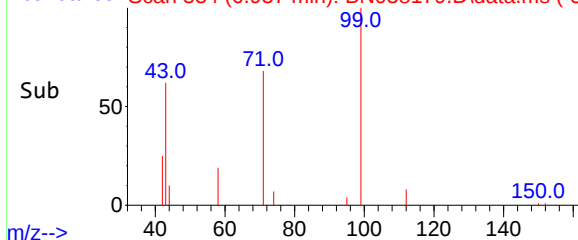
Abundance Scan 534 (6.937 min): BN038179.D\data.ms

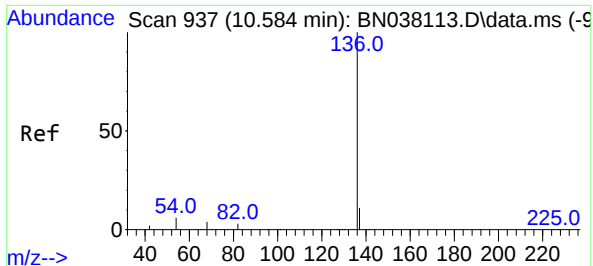


Abundance



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

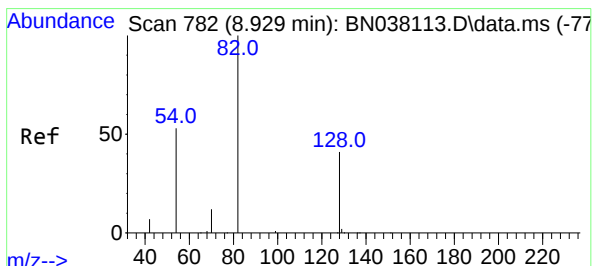
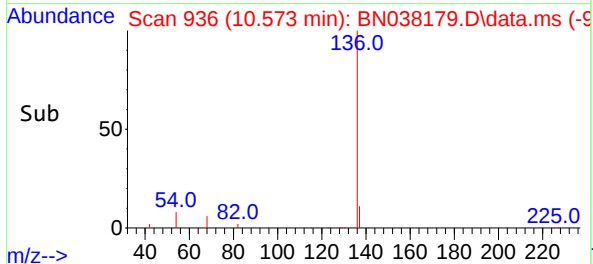
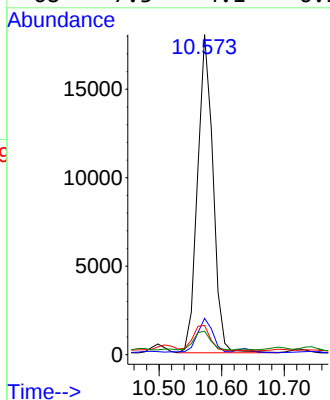
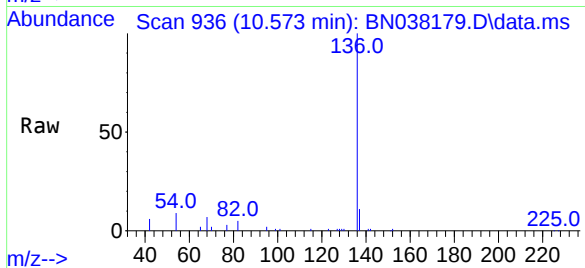




#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.573 min Scan# 91
Delta R.T. -0.000 min
Lab File: BN038179.D
Acq: 10 Nov 2025 13:16

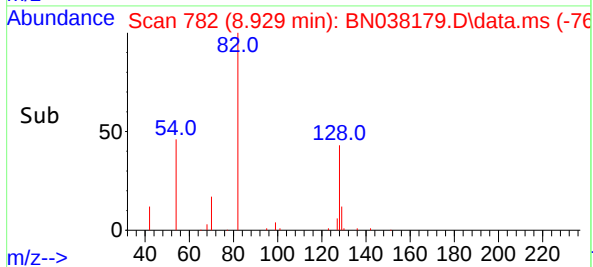
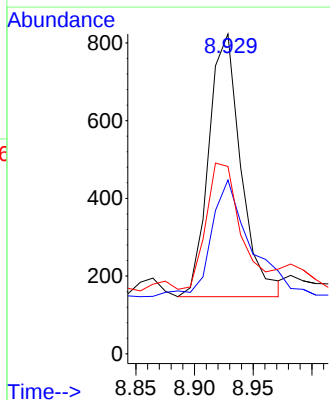
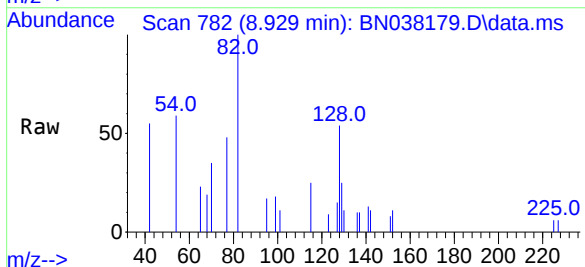
Instrument :
BNA_N
ClientSampleId :
MW-9DL

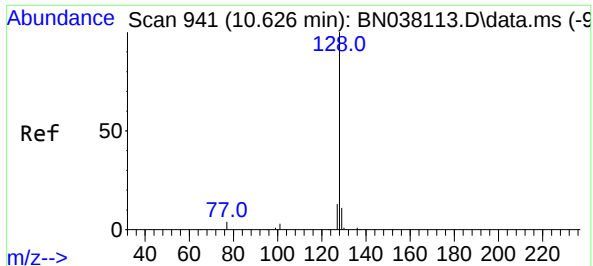
Tgt Ion:136 Resp: 30875
Ion Ratio Lower Upper
136 100
137 11.4 9.0 13.4
54 9.2 5.2 7.8#
68 7.3 4.1 6.1#



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

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

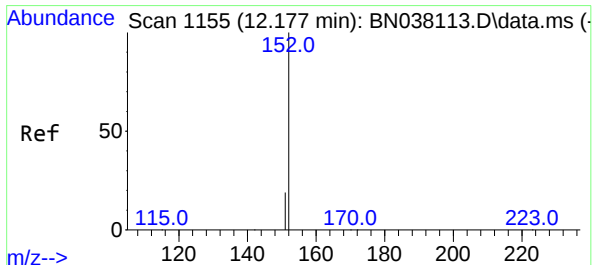
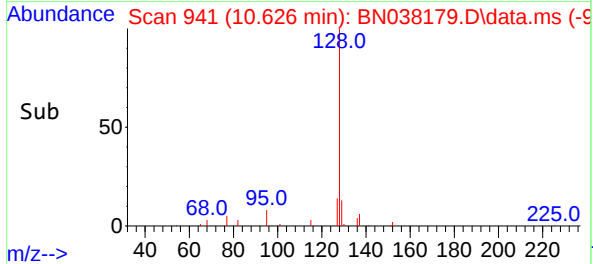
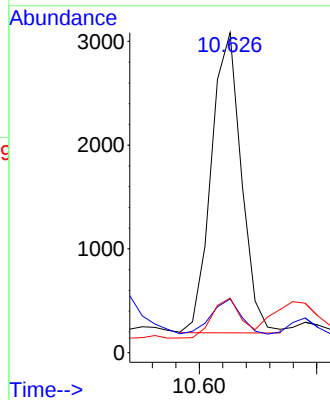
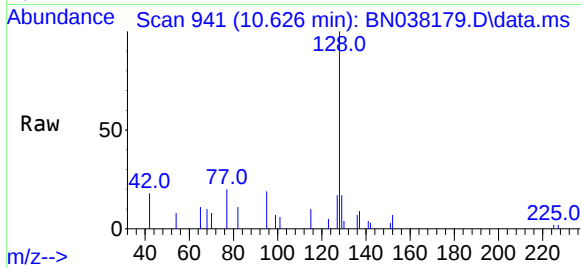




#9
Naphthalene
Concen: 0.061 ng
RT: 10.626 min Scan# 941
Delta R.T. -0.000 min
Lab File: BN038179.D
Acq: 10 Nov 2025 13:16

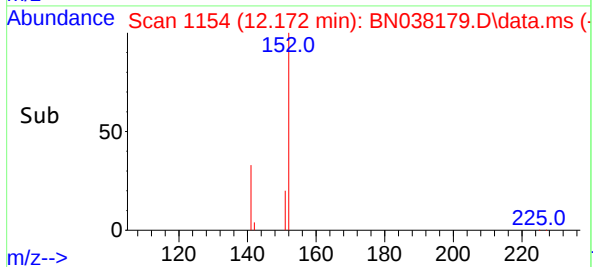
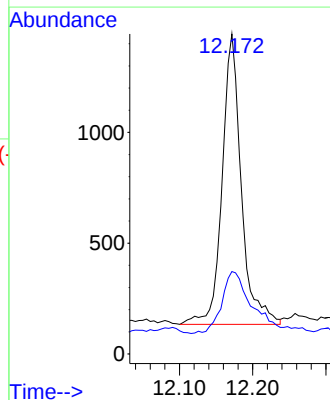
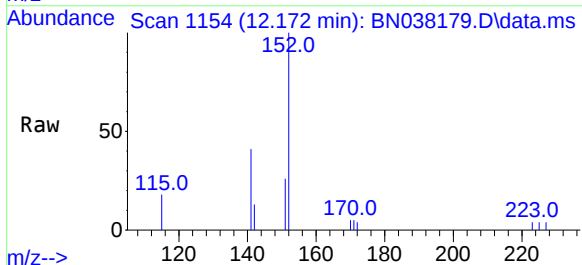
Instrument :
BNA_N
ClientSampleId :
MW-9DL

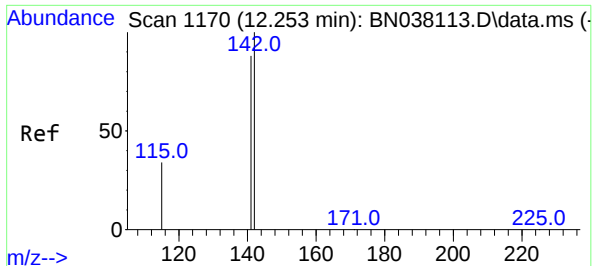
Tgt Ion:128 Resp: 5169
Ion Ratio Lower Upper
128 100
129 16.8 9.1 13.7#
127 17.1 10.5 15.7#



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

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

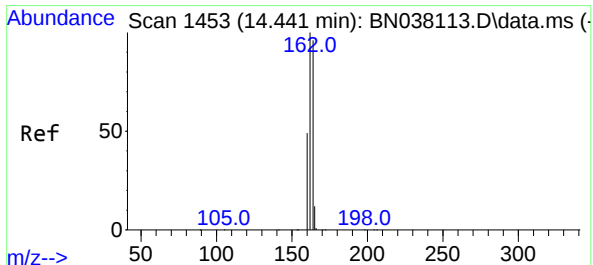
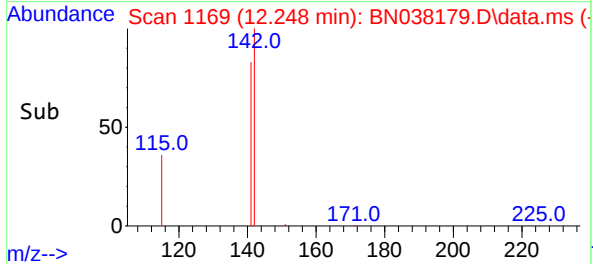
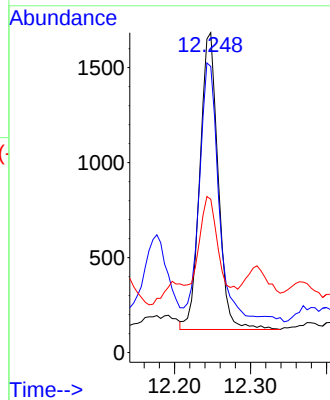
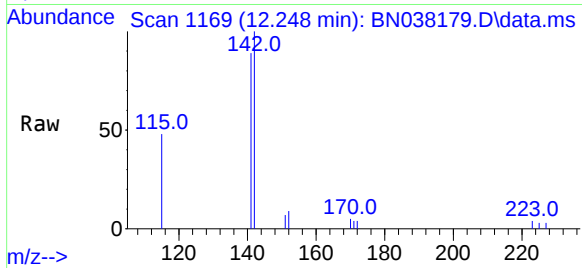




#12
2-Methylnaphthalene
Concen: 0.046 ng
RT: 12.248 min Scan# 1170
Delta R.T. -0.000 min
Lab File: BN038179.D
Acq: 10 Nov 2025 13:16

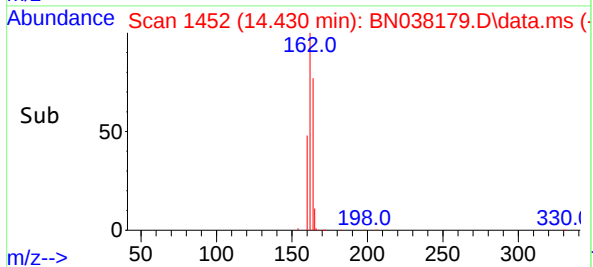
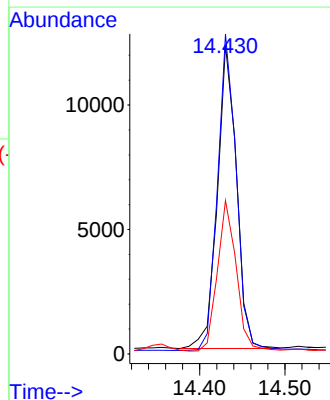
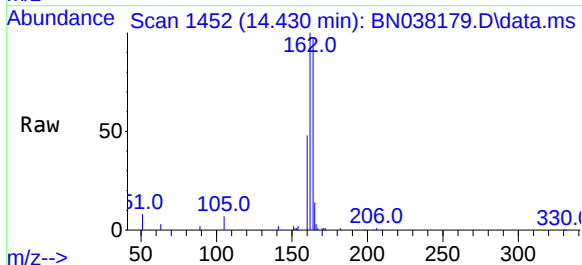
Instrument :
BNA_N
ClientSampleId :
MW-9DL

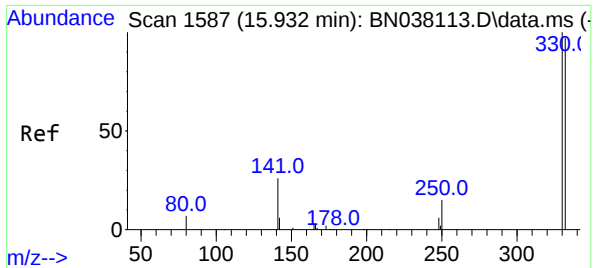
Tgt Ion:142 Resp: 2609
Ion Ratio Lower Upper
142 100
141 89.4 70.3 105.5
115 47.9 27.8 41.6#



#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.430 min Scan# 1452
Delta R.T. -0.000 min
Lab File: BN038179.D
Acq: 10 Nov 2025 13:16

Tgt Ion:164 Resp: 19011
Ion Ratio Lower Upper
164 100
162 103.6 83.0 124.4
160 49.6 40.7 61.1

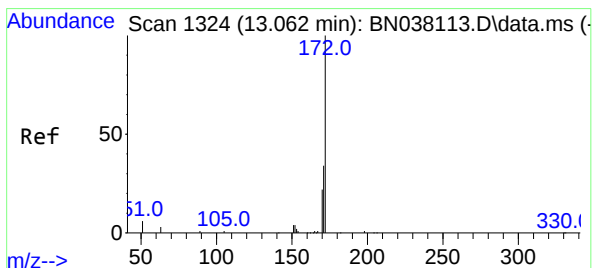
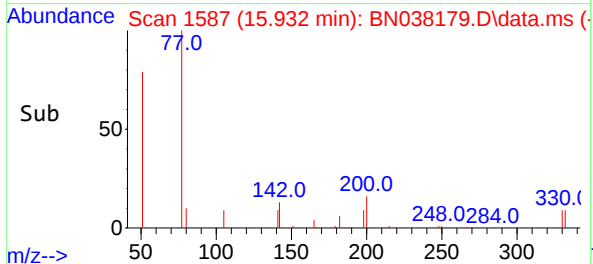
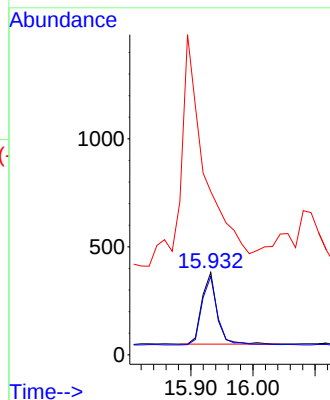
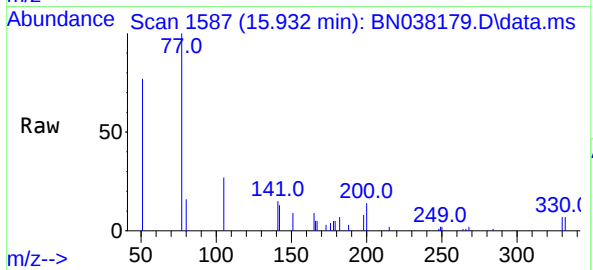




#14
2,4,6-Tribromophenol
Concen: 0.071 ng
RT: 15.932 min Scan# 11
Delta R.T. 0.000 min
Lab File: BN038179.D
Acq: 10 Nov 2025 13:16

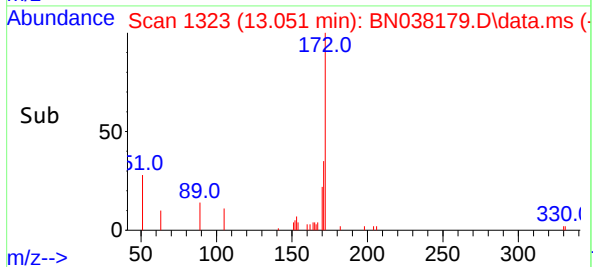
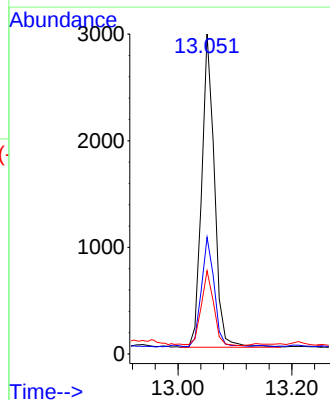
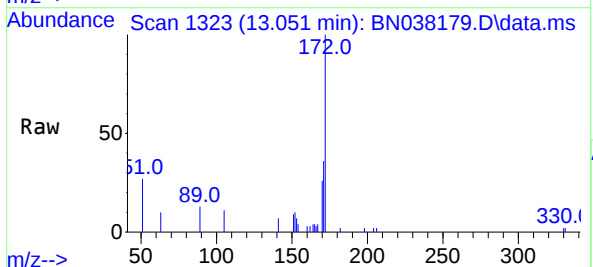
Instrument :
BNA_N
ClientSampleId :
MW-9DL

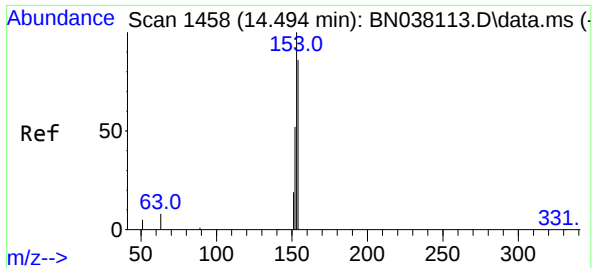
Tgt Ion:330 Resp: 560
Ion Ratio Lower Upper
330 100
332 98.6 76.6 114.8
141 0.0 34.1 51.1#



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

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

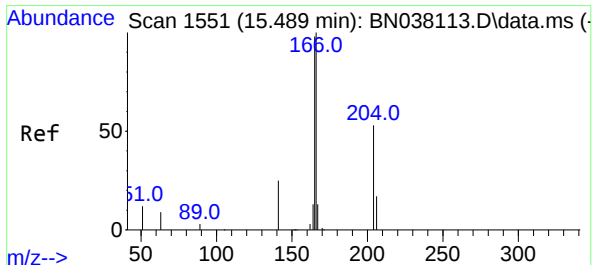
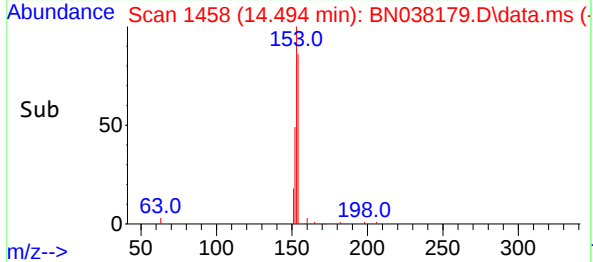
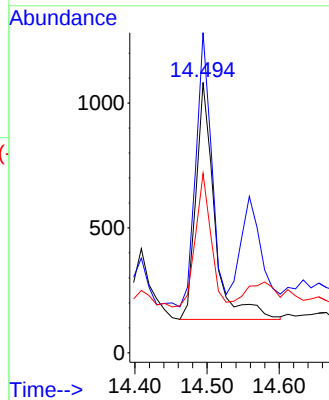
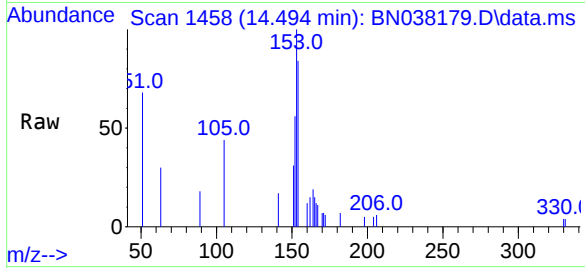




#17
Acenaphthene
Concen: 0.028 ng
RT: 14.494 min Scan# 1458
Delta R.T. -0.000 min
Lab File: BN038179.D
Acq: 10 Nov 2025 13:16

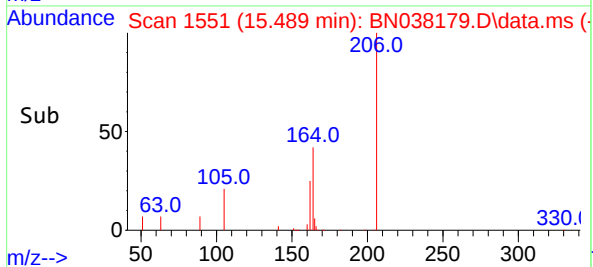
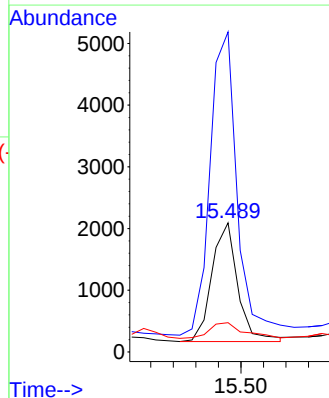
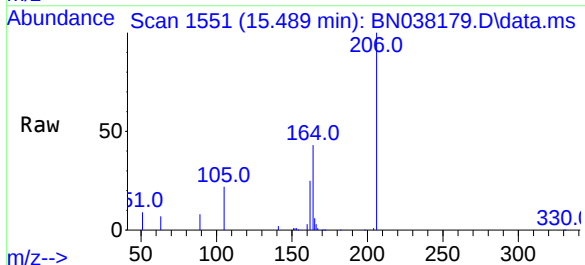
Instrument :
BNA_N
ClientSampleId :
MW-9DL

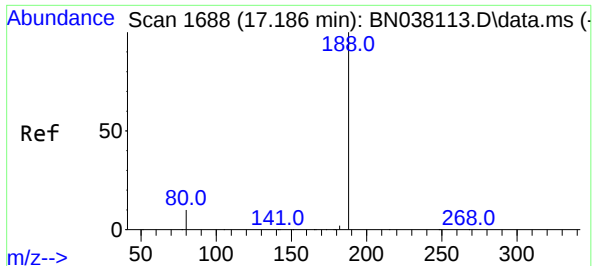
Tgt Ion:154 Resp: 1705
Ion Ratio Lower Upper
154 100
153 93.5 90.0 135.0
152 46.5 47.3 70.9#



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

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





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 17.186 min Scan# 1

Delta R.T. -0.000 min

Lab File: BN038179.D

Acq: 10 Nov 2025 13:16

Instrument :

BNA_N

ClientSampleId :

MW-9DL

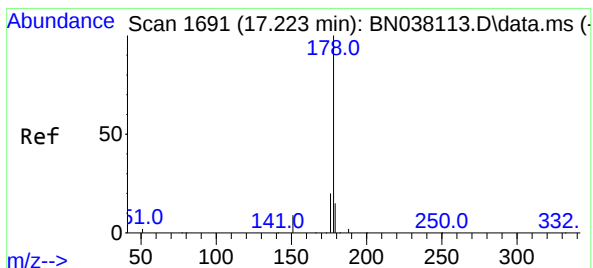
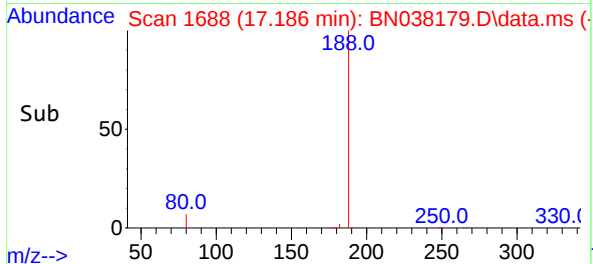
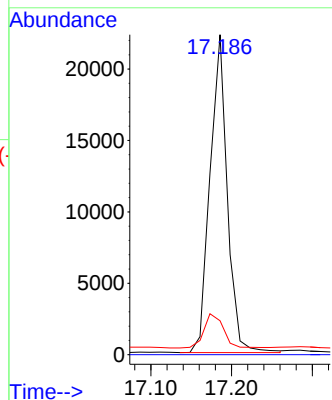
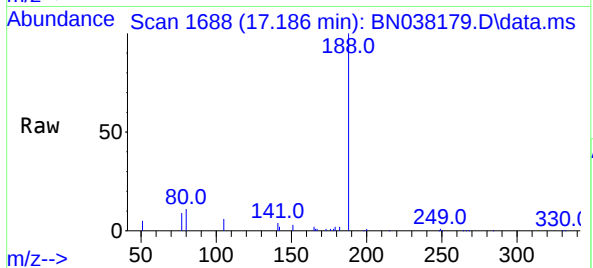
Tgt Ion:188 Resp: 33058

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

80 10.6 8.6 13.0



#25

Phenanthrene

Concen: 0.028 ng

RT: 17.223 min Scan# 1691

Delta R.T. -0.000 min

Lab File: BN038179.D

Acq: 10 Nov 2025 13:16

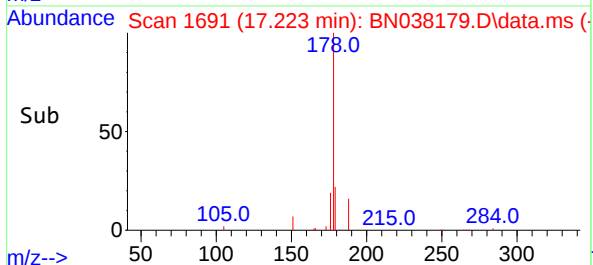
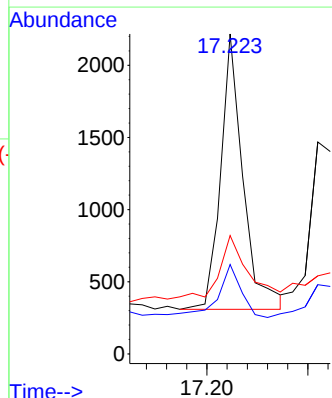
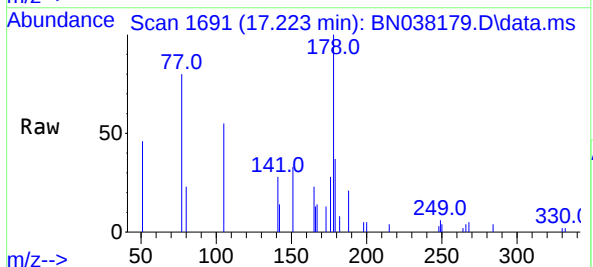
Tgt Ion:178 Resp: 2937

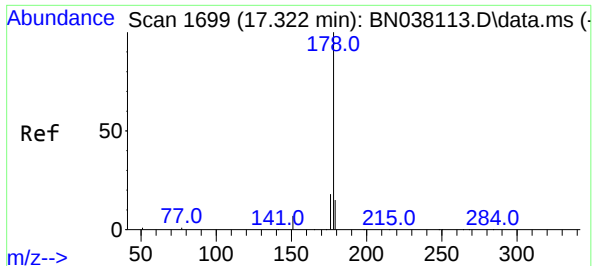
Ion Ratio Lower Upper

178 100

176 20.2 15.5 23.3

179 35.5 12.2 18.4#

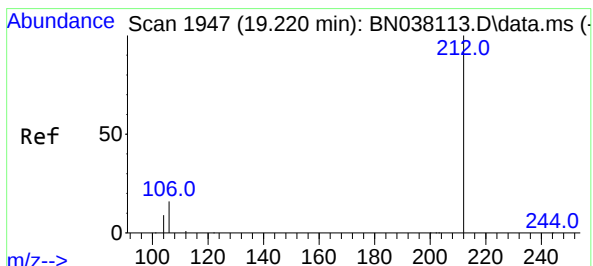
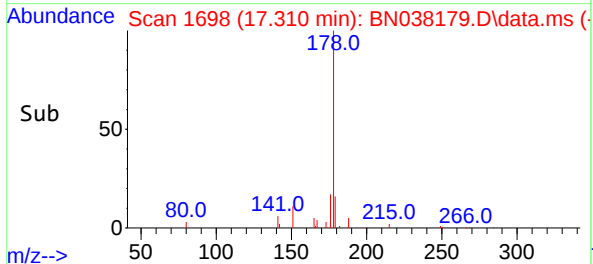
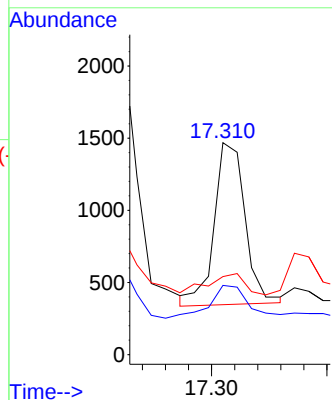
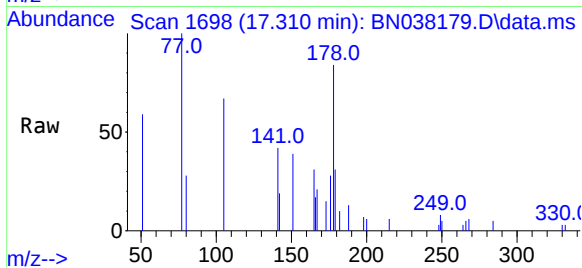




#26
Anthracene
Concen: 0.023 ng
RT: 17.310 min Scan# 1698
Delta R.T. -0.013 min
Lab File: BN038179.D
Acq: 10 Nov 2025 13:16

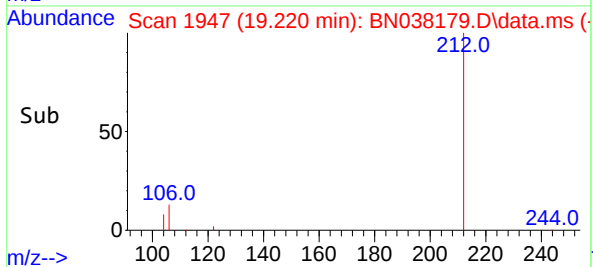
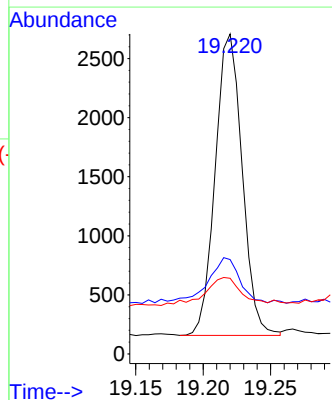
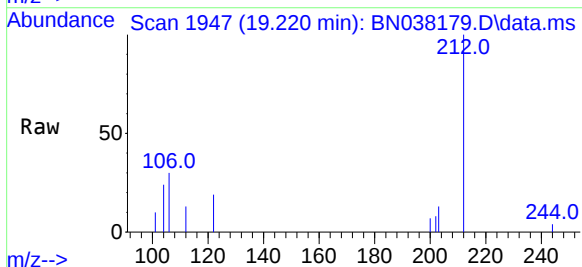
Instrument :
BNA_N
ClientSampleId :
MW-9DL

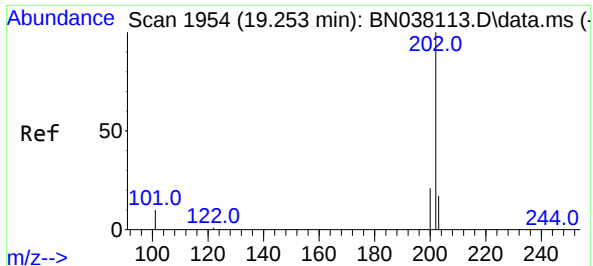
Tgt Ion:178 Resp: 2091
Ion Ratio Lower Upper
178 100
176 25.4 14.9 22.3#
179 15.4 11.8 17.8



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

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

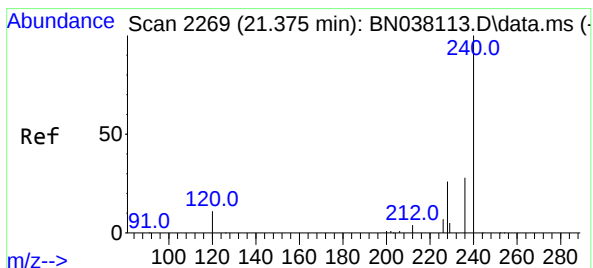
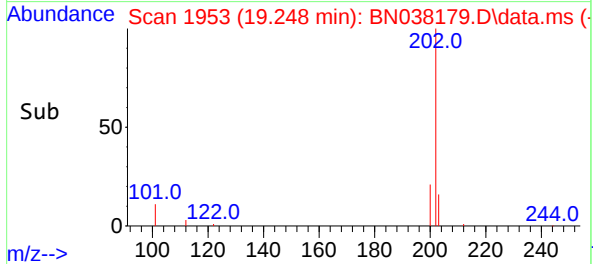
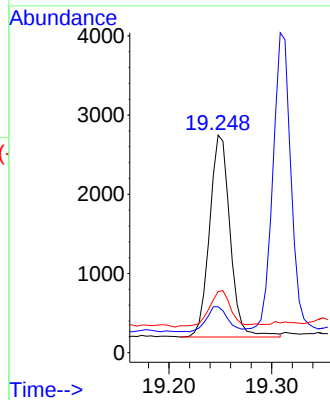
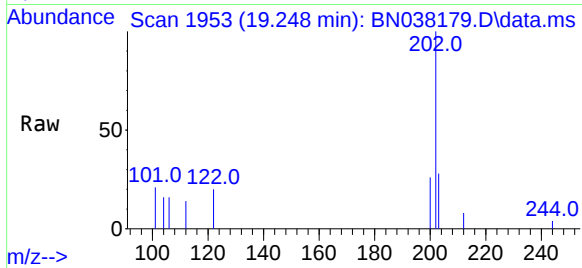




#28
Fluoranthene
Concen: 0.030 ng
RT: 19.248 min Scan# 1953
Delta R.T. -0.005 min
Lab File: BN038179.D
Acq: 10 Nov 2025 13:16

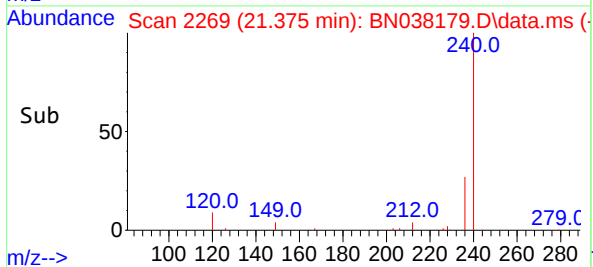
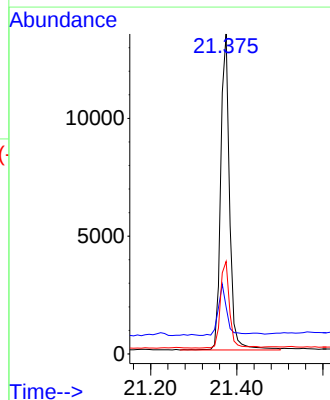
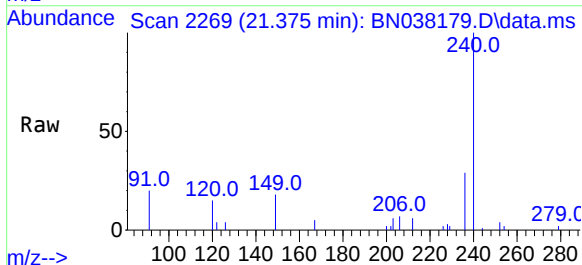
Instrument :
BNA_N
ClientSampleId :
MW-9DL

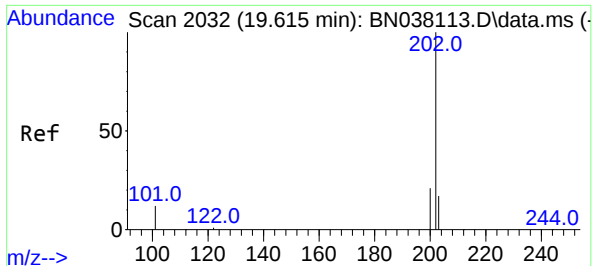
Tgt Ion:202 Resp: 3539
Ion Ratio Lower Upper
202 100
101 12.5 9.4 14.2
203 19.0 13.4 20.2



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

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

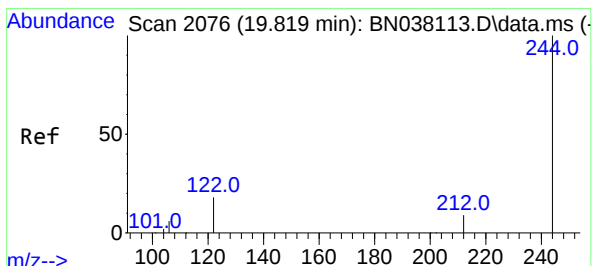
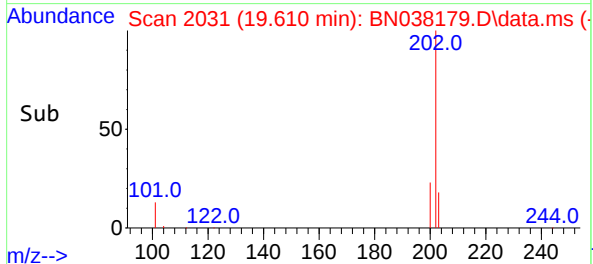
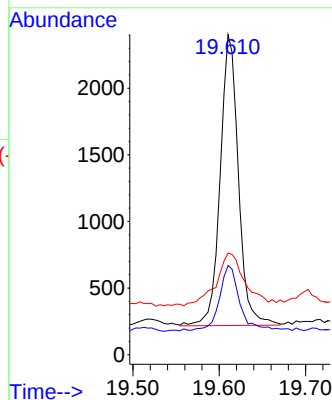
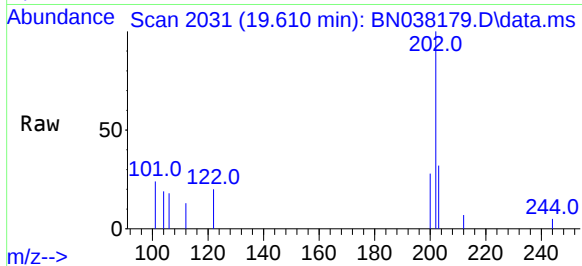




#30
Pyrene
Concen: 0.037 ng
RT: 19.610 min Scan# 2032
Delta R.T. -0.000 min
Lab File: BN038179.D
Acq: 10 Nov 2025 13:16

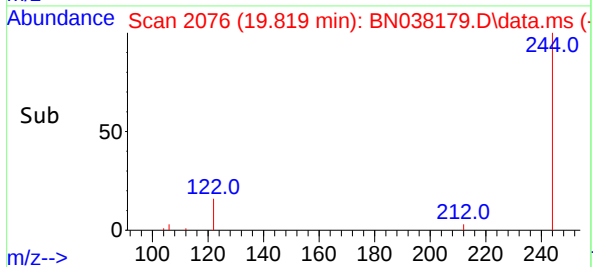
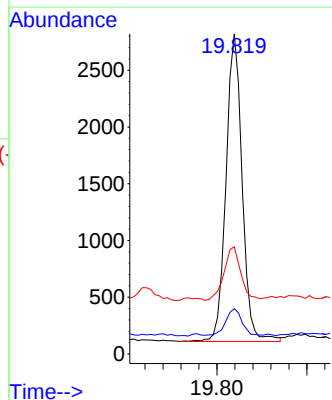
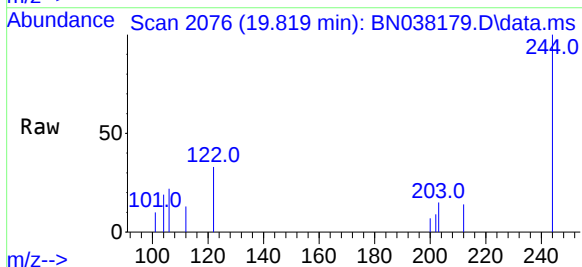
Instrument :
BNA_N
ClientSampleId :
MW-9DL

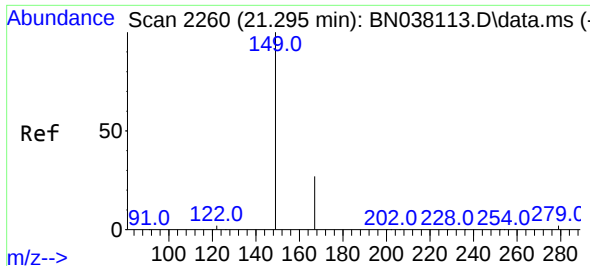
Tgt Ion:202 Resp: 3213
Ion Ratio Lower Upper
202 100
200 24.9 16.7 25.1
203 28.9 14.2 21.2#



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

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

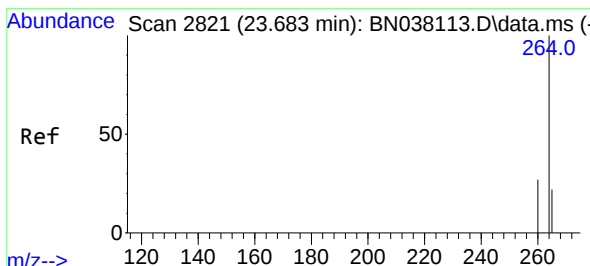
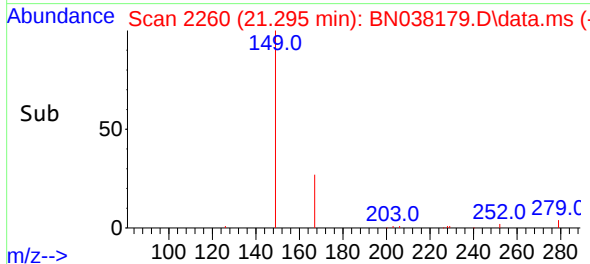
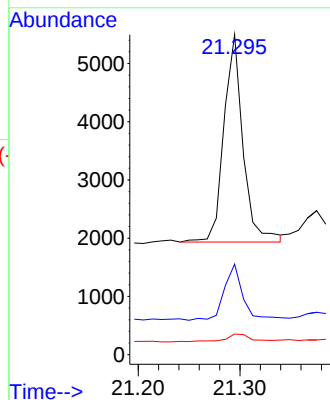
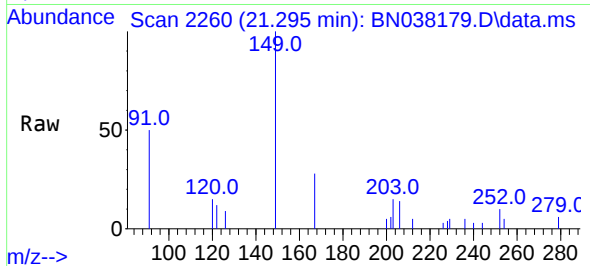




#34
Bis(2-ethylhexyl)phthalate
Concen: 0.130 ng
RT: 21.295 min Scan# 21
Delta R.T. -0.000 min
Lab File: BN038179.D
Acq: 10 Nov 2025 13:16

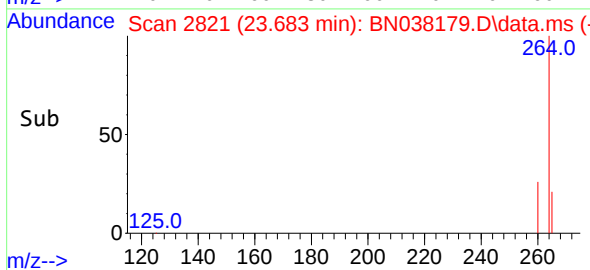
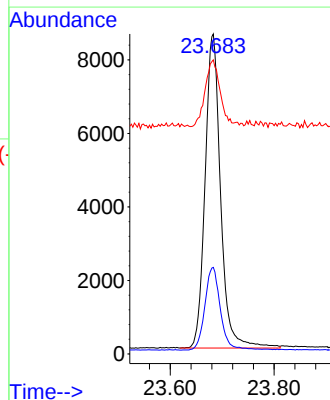
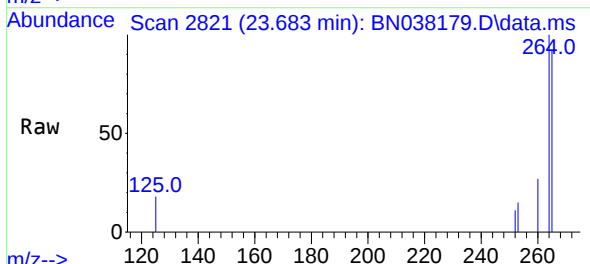
Instrument :
BNA_N
ClientSampleId :
MW-9DL

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



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

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





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

Report of Analysis

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

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
TARGETS									
123-91-1	1,4-Dioxane	0.65		1	0.070	0.20	ug/L	11/07/25 18:34	PB170427
SURROGATES									
7297-45-2	2-Methylnaphthalene-d10	0.33			30 (20) - 150 (139)	83%	SPK: 0.4		
93951-69-0	Fluoranthene-d10	0.36			30 (54) - 150 (157)	90%	SPK: 0.4		
4165-60-0	Nitrobenzene-d5	0.33			30 (27) - 130 (154)	82%	SPK: 0.4		
321-60-8	2-Fluorobiphenyl	0.38			30 (30) - 130 (155)	96%	SPK: 0.4		
1718-51-0	Terphenyl-d14	0.62	*		30 (54) - 130 (175)	156%	SPK: 0.4		
INTERNAL STANDARDS		Area Count							
3855-82-1	1,4-Dichlorobenzene-d4	8830							
1146-65-2	Naphthalene-d8	28600							
15067-26-2	Acenaphthene-d10	17100							
1517-22-2	Phenanthrene-d10	31600							
1719-03-5	Chrysene-d12	18300							
1520-96-3	Perylene-d12	16900							

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 : BN038160.D
 Acq On : 07 Nov 2025 18:34
 Operator : RC/JU
 Sample : Q3552-04
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 MW-10

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

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

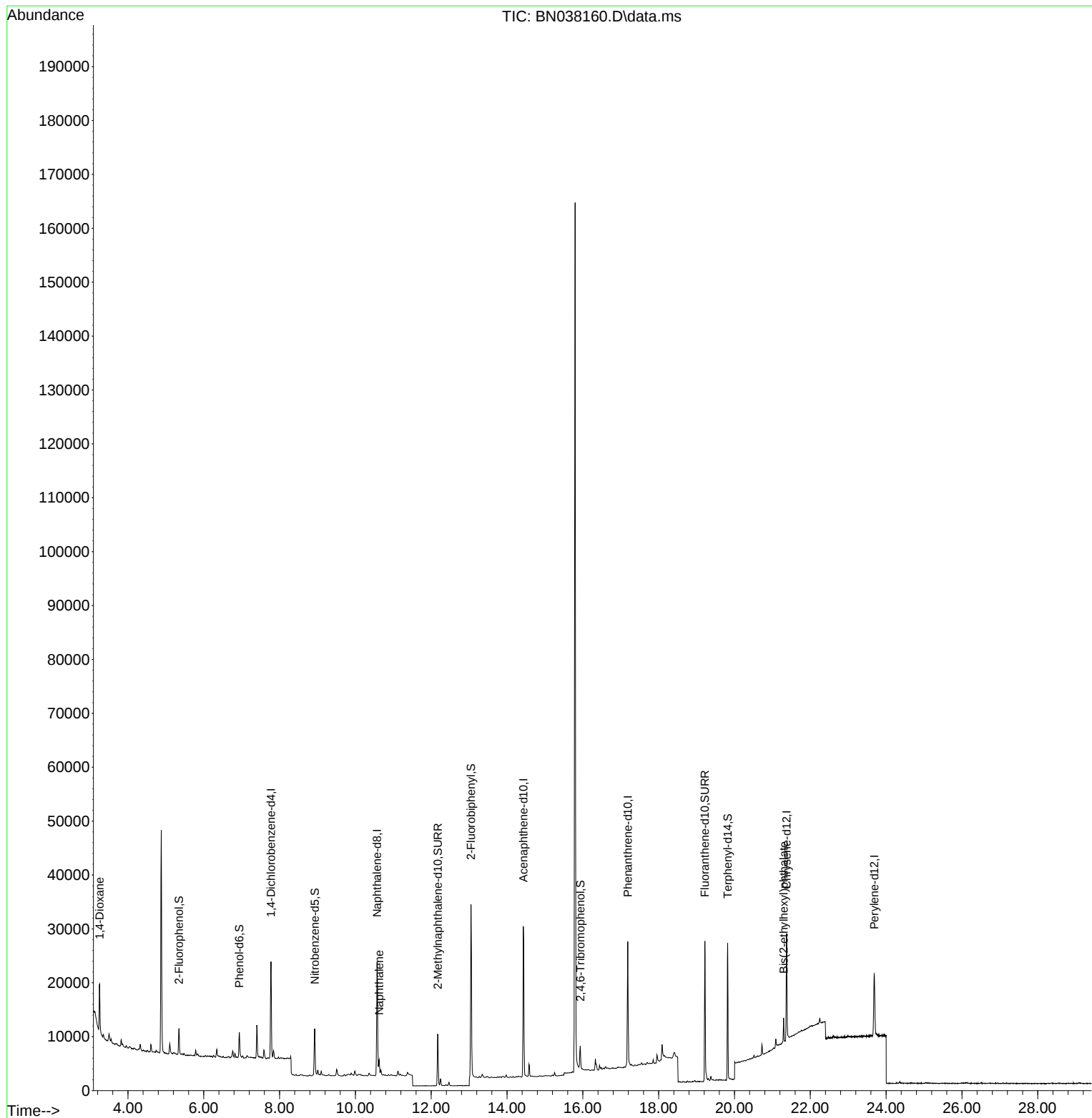
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.775	152	8828	0.400	ng	0.00
7) Naphthalene-d8	10.573	136	28618	0.400	ng	# 0.00
13) Acenaphthene-d10	14.430	164	17122	0.400	ng	0.00
19) Phenanthrene-d10	17.186	188	31605	0.400	ng	0.00
29) Chrysene-d12	21.376	240	18345	0.400	ng	# 0.00
35) Perylene-d12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

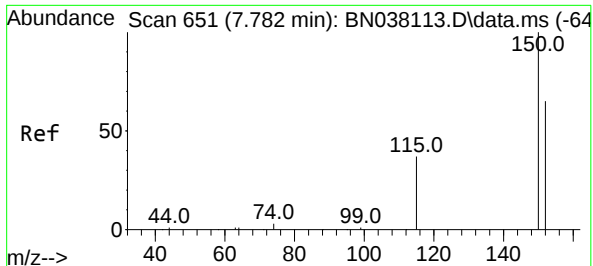
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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

Instrument :
BNA_N
ClientSampleId :
MW-10

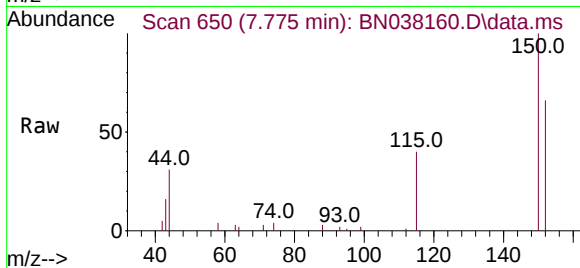
Quant Time: Nov 08 03:05:23 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN102825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Oct 29 13:09:46 2025
Response via : Initial Calibration



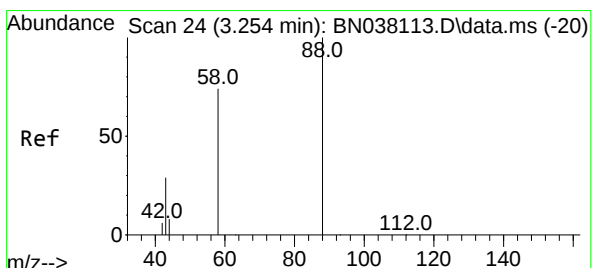
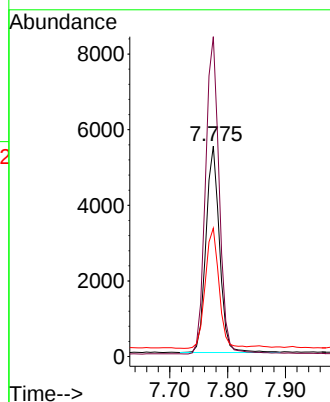
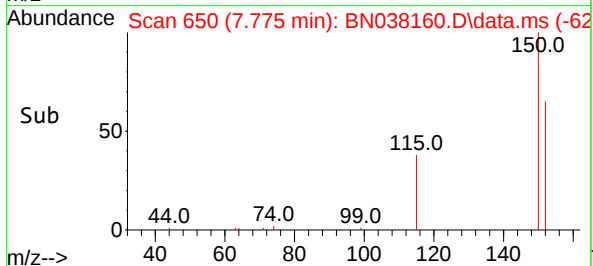


#1
 1,4-Dichlorobenzene-d4
 Concen: 0.400 ng
 RT: 7.775 min Scan# 61
 Delta R.T. 0.000 min
 Lab File: BN038160.D
 Acq: 07 Nov 2025 18:34

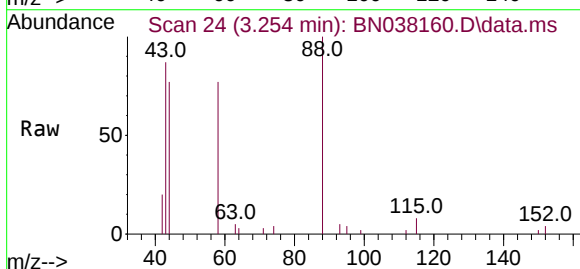
Instrument :
 BNA_N
 ClientSampleId :
 MW-10



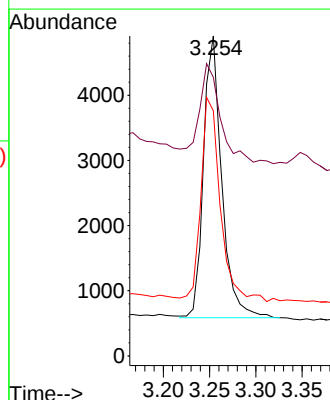
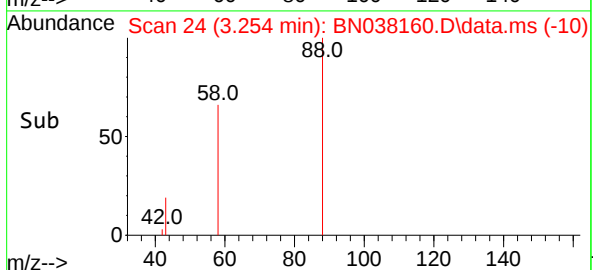
Tgt Ion:152 Resp: 8828
 Ion Ratio Lower Upper
 152 100
 150 152.0 122.3 183.5
 115 61.0 47.4 71.0

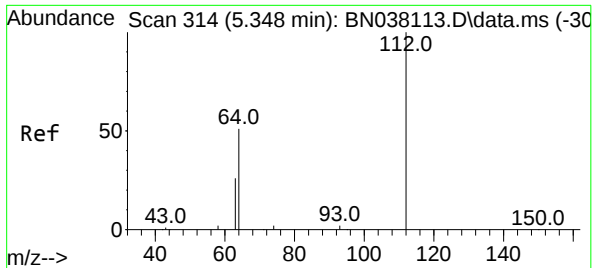


#2
 1,4-Dioxane
 Concen: 0.650 ng
 RT: 3.254 min Scan# 24
 Delta R.T. 0.000 min
 Lab File: BN038160.D
 Acq: 07 Nov 2025 18:34



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

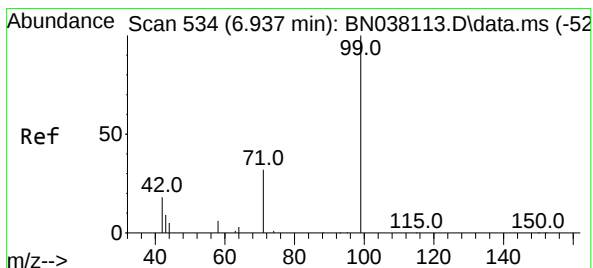
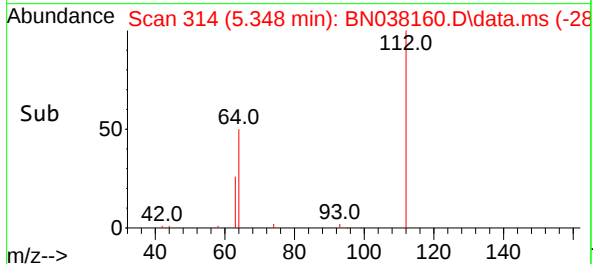
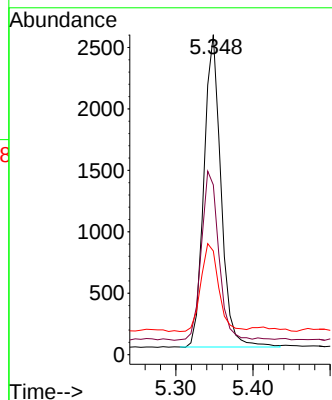
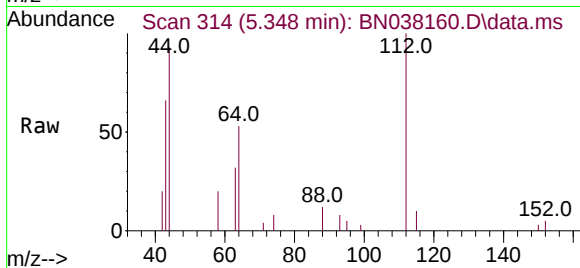




#4
2-Fluorophenol
Concen: 0.188 ng
RT: 5.348 min Scan# 314
Delta R.T. 0.000 min
Lab File: BN038160.D
Acq: 07 Nov 2025 18:34

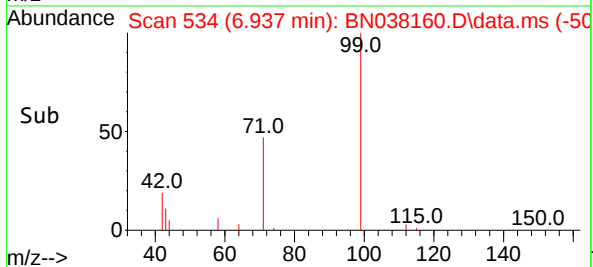
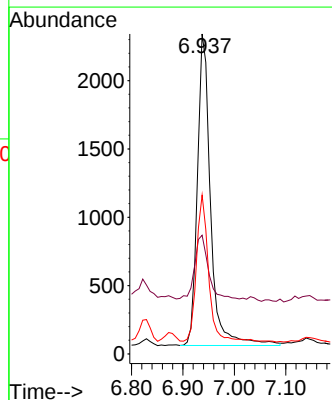
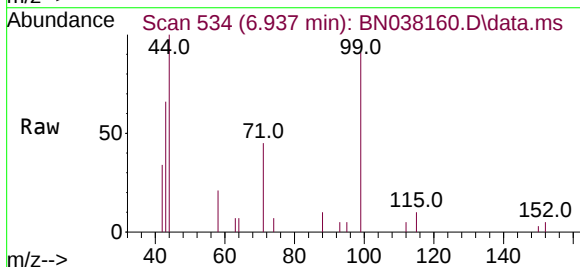
Instrument :
BNA_N
ClientSampleId :
MW-10

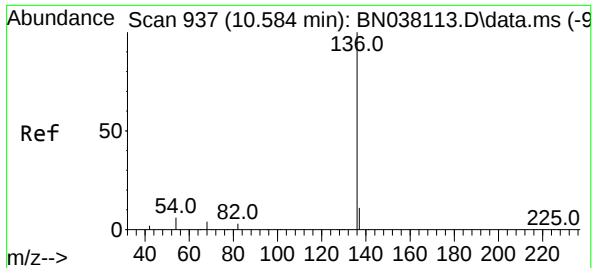
Tgt Ion	Ratio	Lower	Upper
112	100		
64	55.1	45.4	68.0
63	29.3	23.2	34.8



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

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

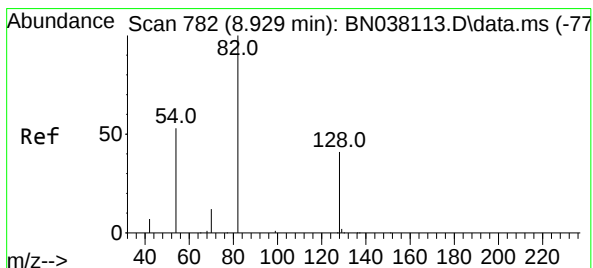
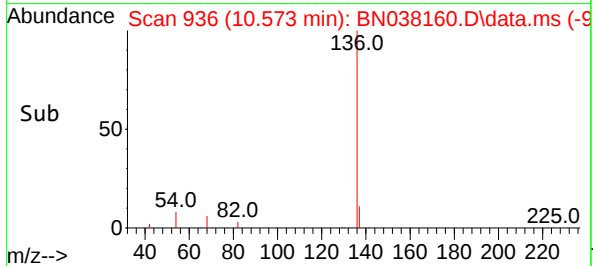
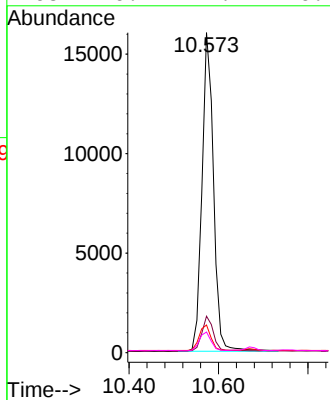
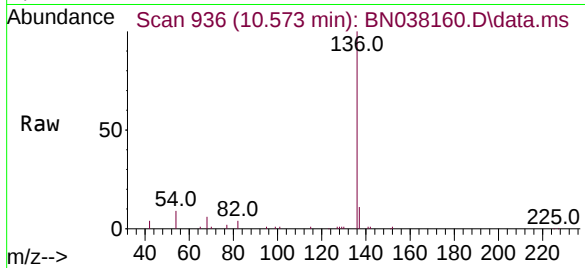




#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.573 min Scan# 937
Delta R.T. 0.000 min
Lab File: BN038160.D
Acq: 07 Nov 2025 18:34

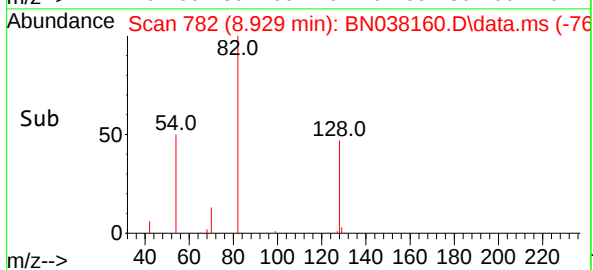
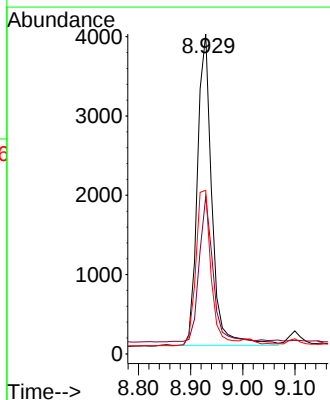
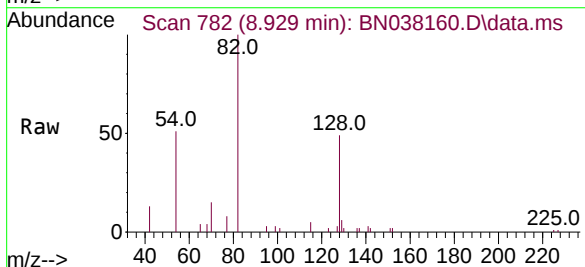
Instrument :
BNA_N
ClientSampleId :
MW-10

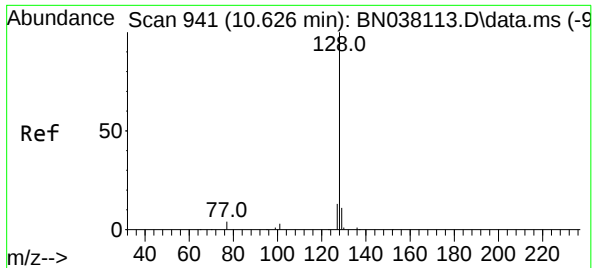
Tgt Ion:	136	Resp:	28618
Ion	Ratio	Lower	Upper
136	100		
137	11.4	9.0	13.4
54	8.6	5.2	7.8#
68	6.4	4.1	6.1#



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

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

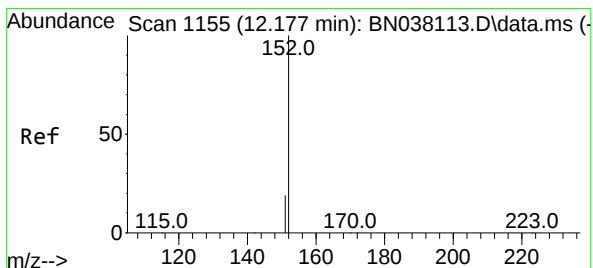
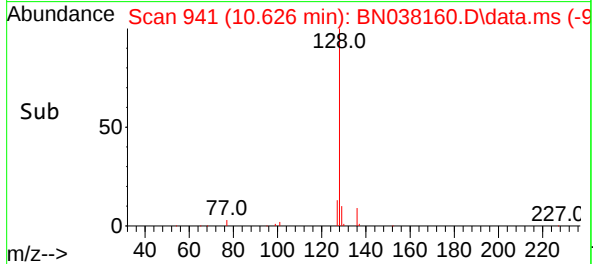
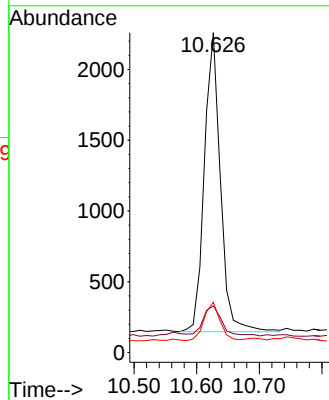
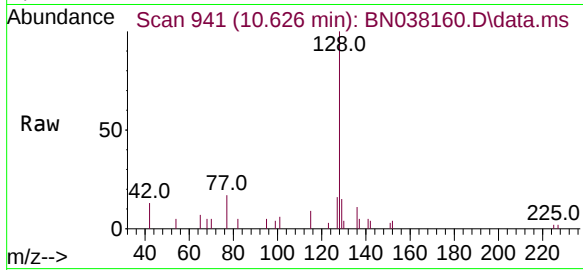




#9
Naphthalene
Concen: 0.048 ng
RT: 10.626 min Scan# 941
Delta R.T. 0.000 min
Lab File: BN038160.D
Acq: 07 Nov 2025 18:34

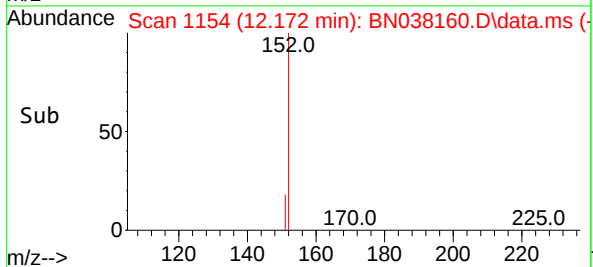
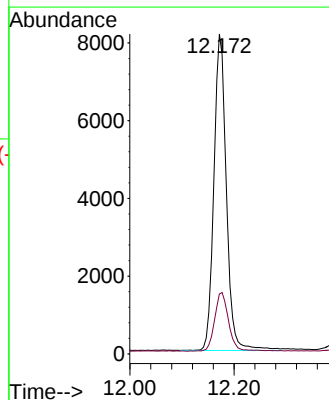
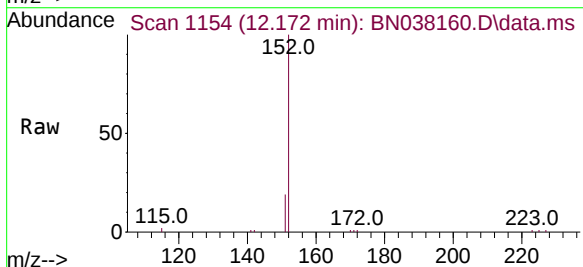
Instrument :
BNA_N
ClientSampleId :
MW-10

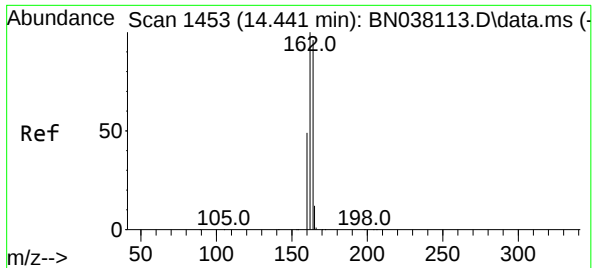
Tgt Ion:128 Resp: 3779
Ion Ratio Lower Upper
128 100
129 14.6 9.1 13.7#
127 15.7 10.5 15.7



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

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

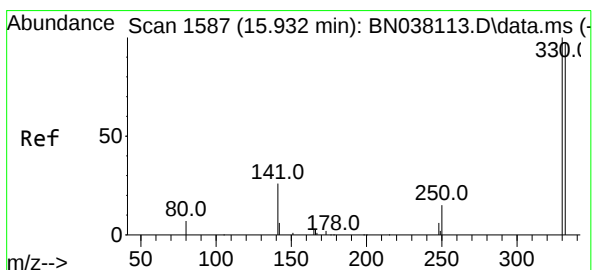
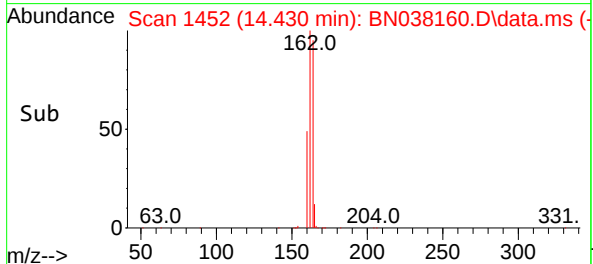
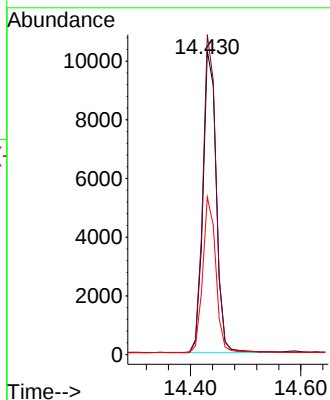
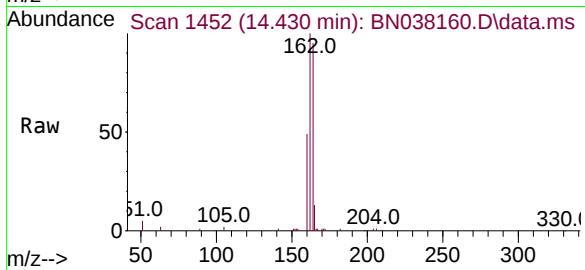




#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.430 min Scan# 14
Delta R.T. 0.000 min
Lab File: BN038160.D
Acq: 07 Nov 2025 18:34

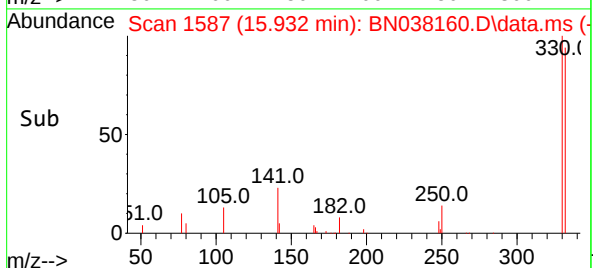
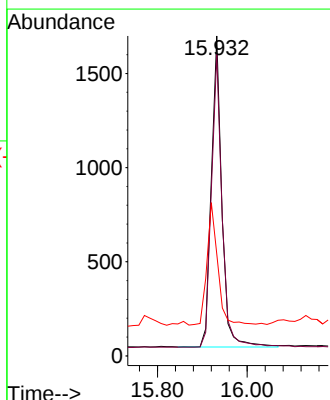
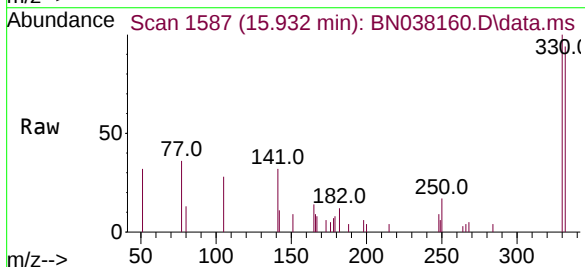
Instrument :
BNA_N
ClientSampleId :
MW-10

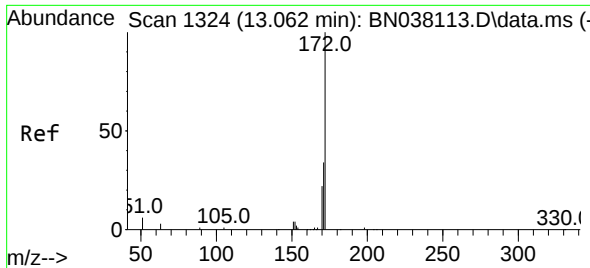
Tgt Ion:164 Resp: 17122
Ion Ratio Lower Upper
164 100
162 105.3 83.0 124.4
160 51.8 40.7 61.1



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

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

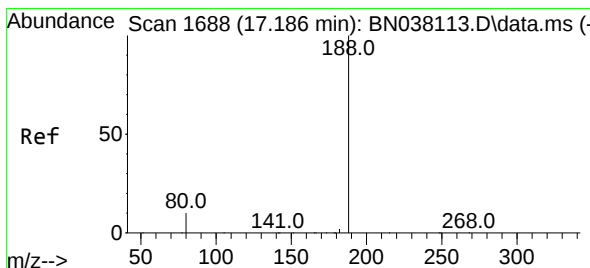
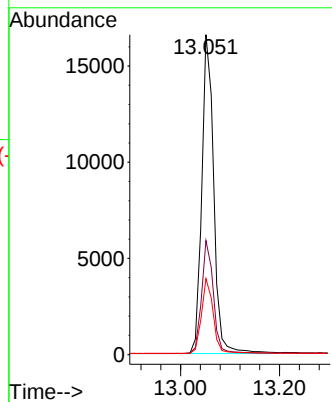
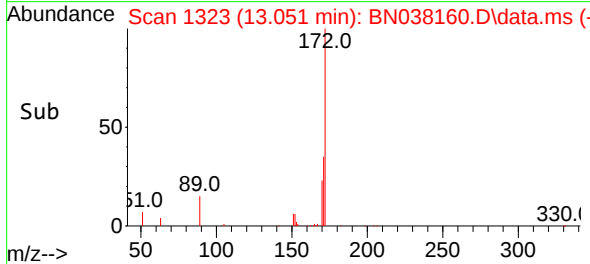
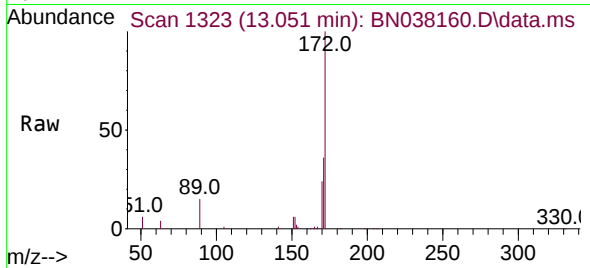




#15
2-Fluorobiphenyl
Concen: 0.383 ng
RT: 13.051 min Scan# 1323
Delta R.T. 0.000 min
Lab File: BN038160.D
Acq: 07 Nov 2025 18:34

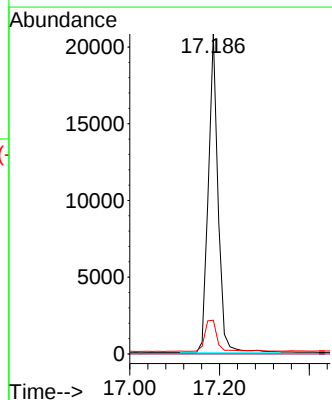
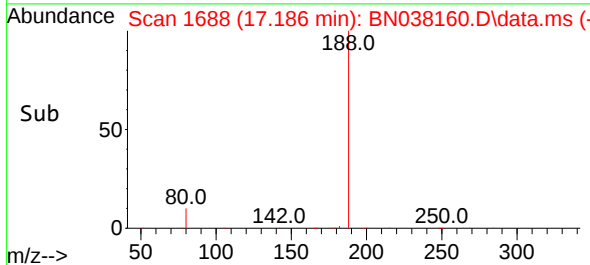
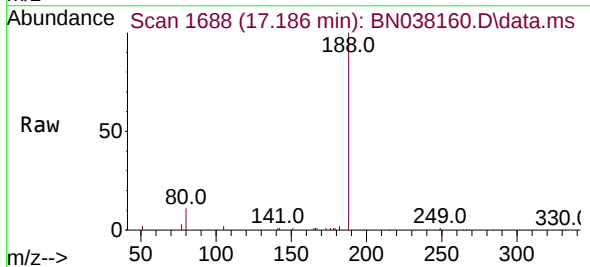
Instrument :
BNA_N
ClientSampleId :
MW-10

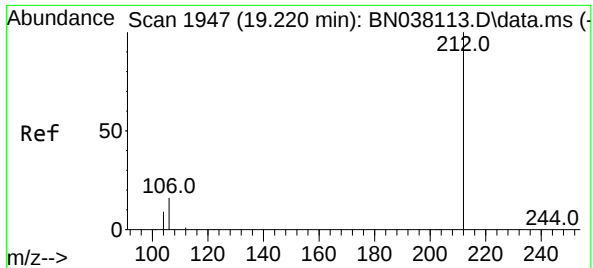
Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.6	27.8	41.6
170	23.7	18.1	27.1



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

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





#27

Fluoranthene-d10

Concen: 0.360 ng

RT: 19.220 min Scan# 1947

Delta R.T. 0.000 min

Lab File: BN038160.D

Acq: 07 Nov 2025 18:34

Instrument :

BNA_N

ClientSampleId :

MW-10

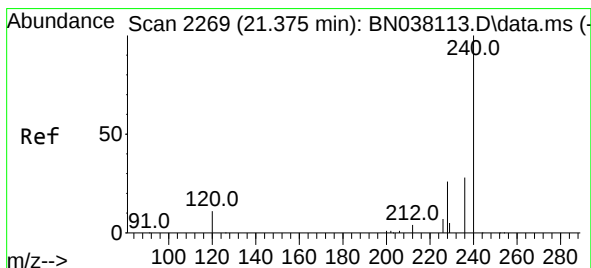
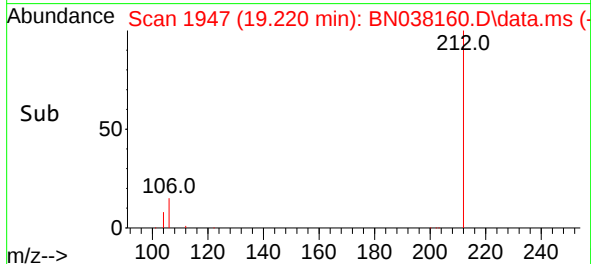
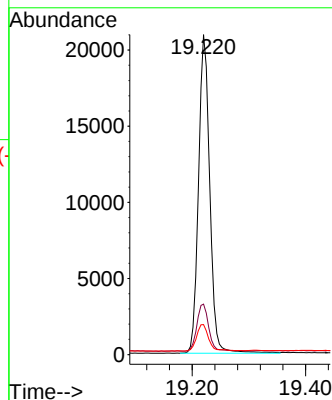
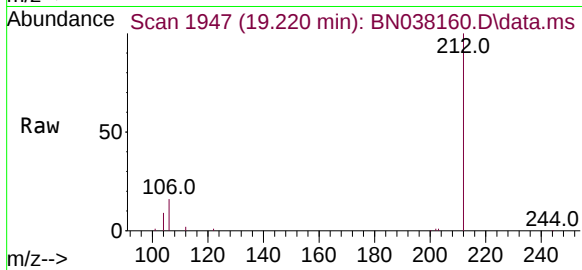
Tgt Ion:212 Resp: 28699

Ion Ratio Lower Upper

212 100

106 15.5 12.6 19.0

104 9.2 7.1 10.7



#29

Chrysene-d12

Concen: 0.400 ng

RT: 21.376 min Scan# 2269

Delta R.T. 0.000 min

Lab File: BN038160.D

Acq: 07 Nov 2025 18:34

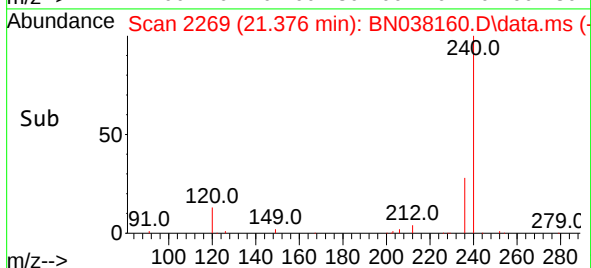
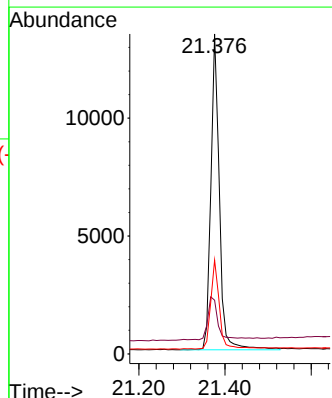
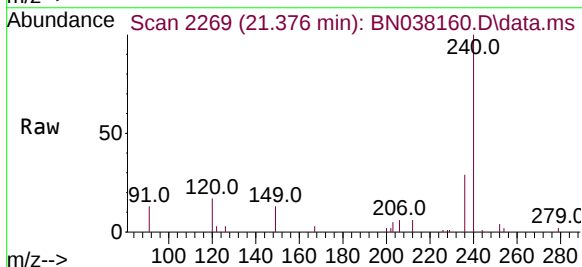
Tgt Ion:240 Resp: 18345

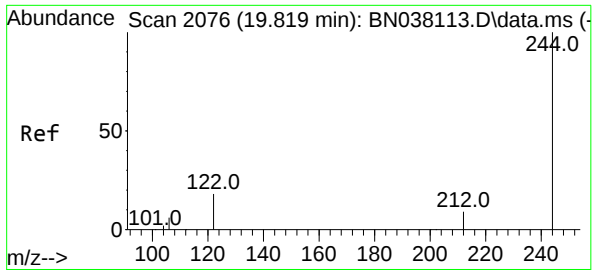
Ion Ratio Lower Upper

240 100

120 16.8 10.7 16.1

236 29.3 23.1 34.7

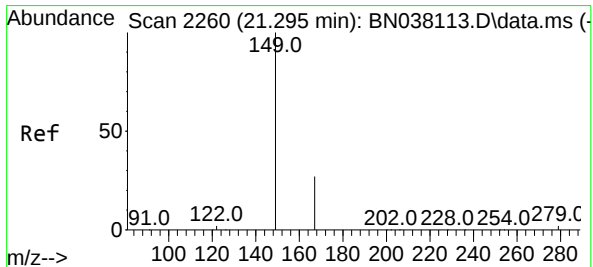
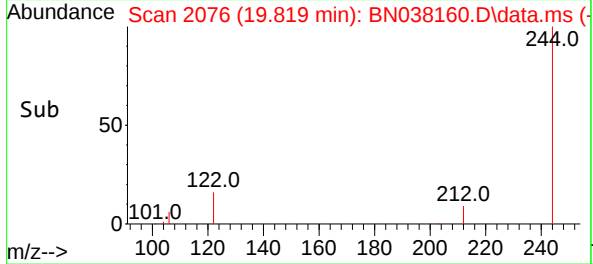
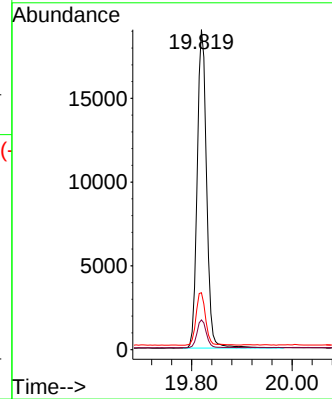
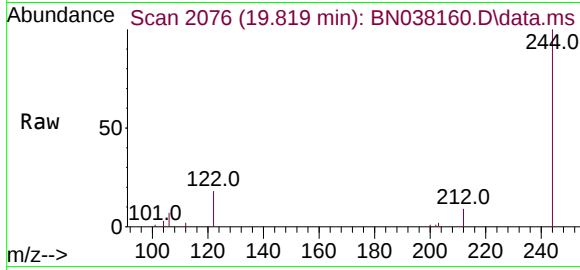




#31
Terphenyl-d14
Concen: 0.623 ng
RT: 19.819 min Scan# 2076
Delta R.T. 0.000 min
Lab File: BN038160.D
Acq: 07 Nov 2025 18:34

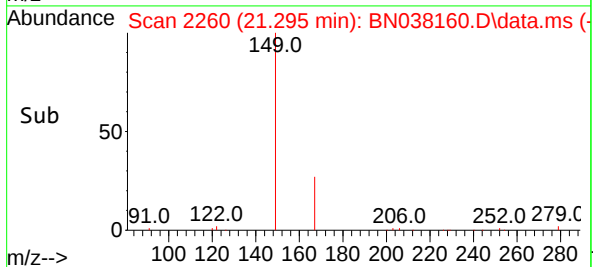
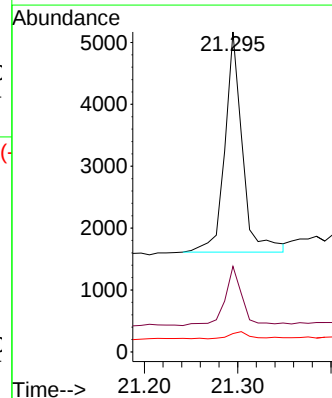
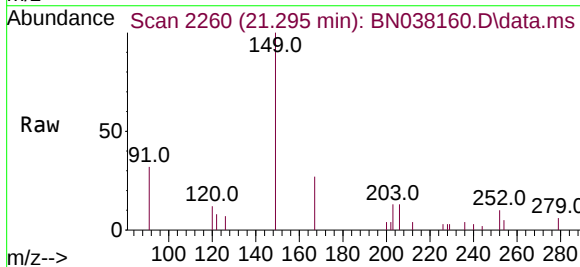
Instrument :
BNA_N
ClientSampleId :
MW-10

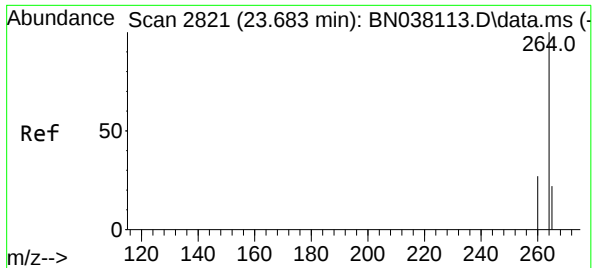
Tgt Ion:244	Resp:	24820
Ion Ratio	Lower	Upper
244	100	
212	9.3	7.8 11.6
122	17.8	15.2 22.8



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

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





#35

Perylene-d12

Concen: 0.400 ng

RT: 23.686 min Scan# 2821

Delta R.T. 0.006 min

Lab File: BN038160.D

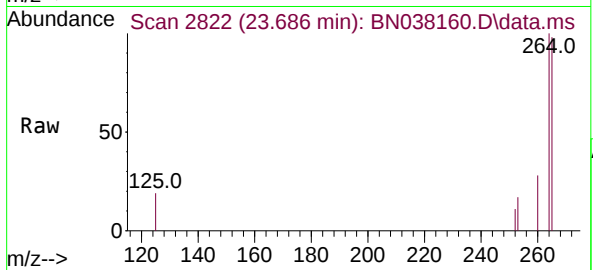
Acq: 07 Nov 2025 18:34

Instrument :

BNA_N

ClientSampleId :

MW-10



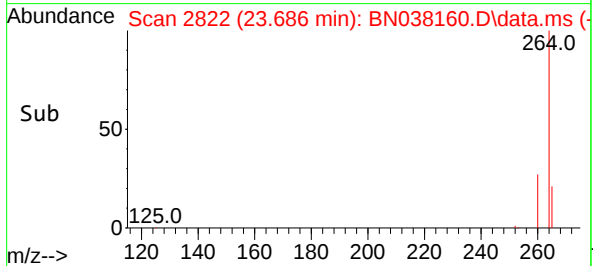
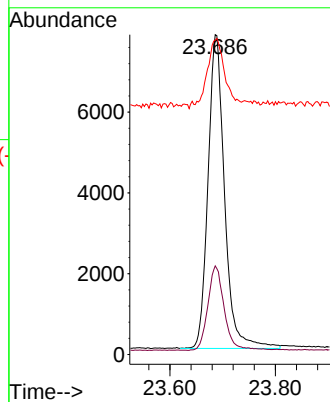
Tgt Ion:264 Resp: 16948

Ion Ratio Lower Upper

264 100

260 27.7 21.8 32.8

265 98.3 68.6 102.8





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

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

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

Instrument :
 BNA_N
 ClientSampleId :
 MW-3

Manual Integrations
 APPROVED

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

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

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

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

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

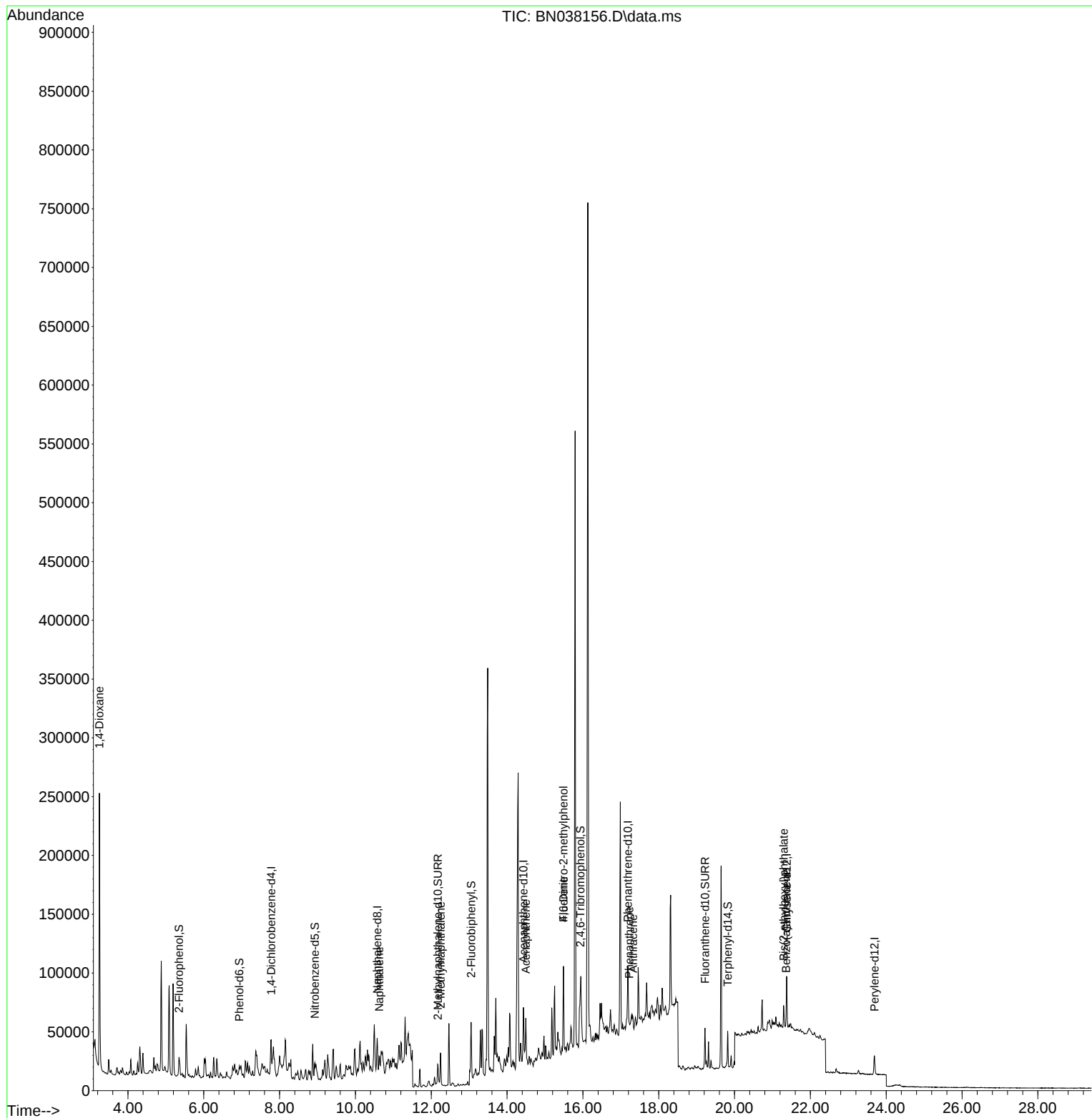
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN110725\
Data File : BN038156.D
Acq On : 07 Nov 2025 16:10
Operator : RC/JU
Sample : Q3552-05
Misc :
ALS Vial : 11 Sample Multiplier: 1

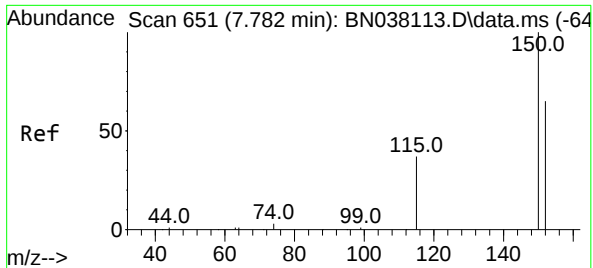
Instrument :
BNA_N
ClientSampleId :
MW-3

Manual Integrations
APPROVED

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

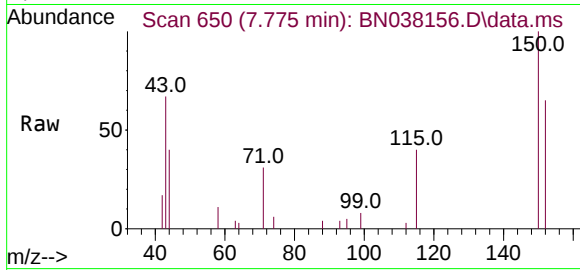
Quant Time: Nov 07 17:16:07 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN102825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Oct 29 13:09:46 2025
Response via : Initial Calibration





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

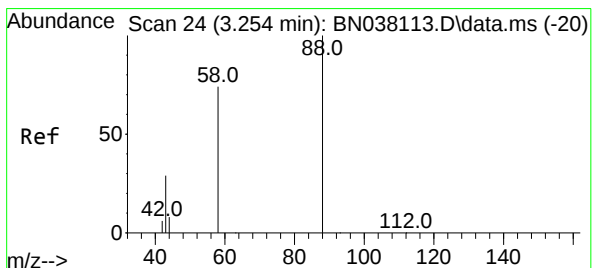
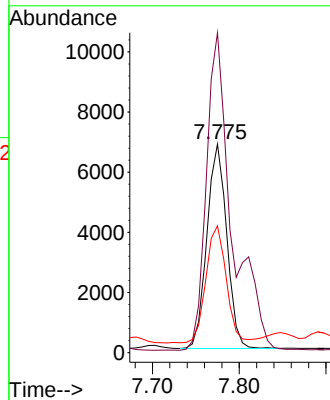
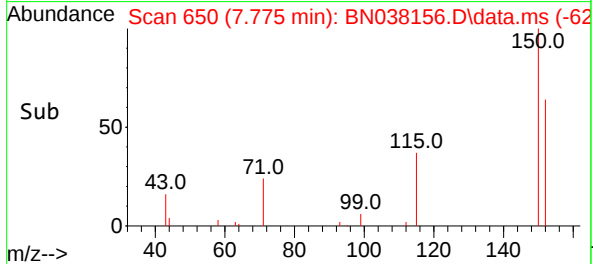
Instrument :
BNA_N
ClientSampleId :
MW-3



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

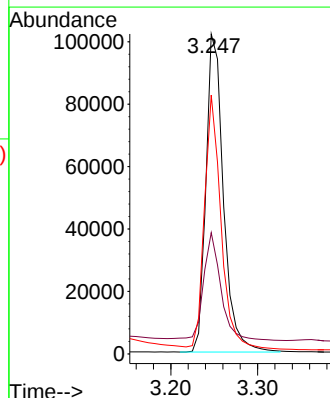
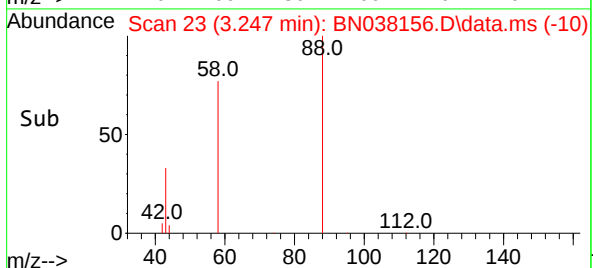
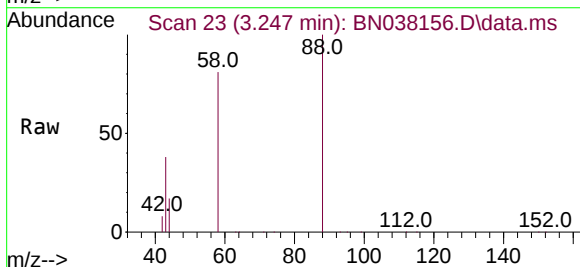
Manual Integrations
APPROVED

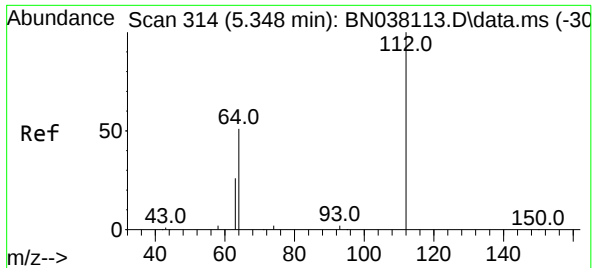
Reviewed By :Rahul Chavli 11/10/2025
Supervised By :Jagrut Upadhyay 11/10/2025



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

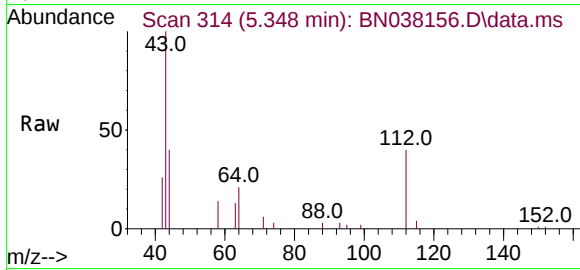
Tgt Ion: 88 Resp: 142637
Ion Ratio Lower Upper
88 100
43 33.6 24.3 36.5
58 75.3 60.4 90.6





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

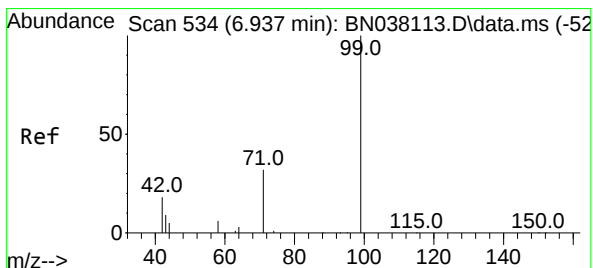
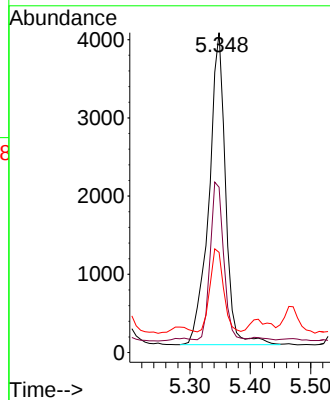
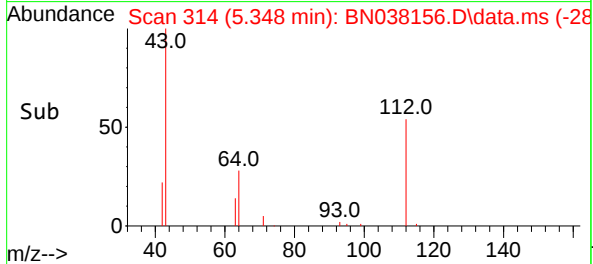
Instrument :
BNA_N
ClientSampleId :
MW-3



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

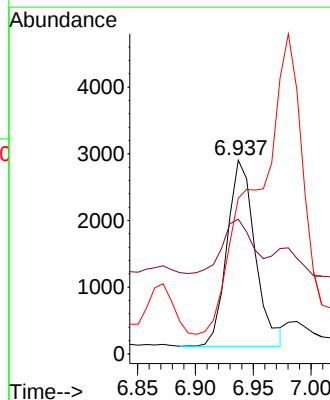
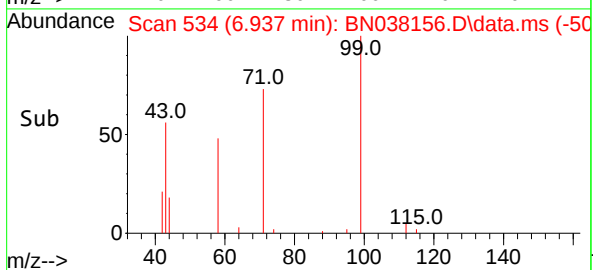
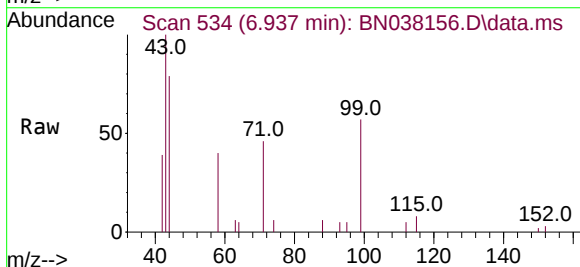
Manual Integrations
APPROVED

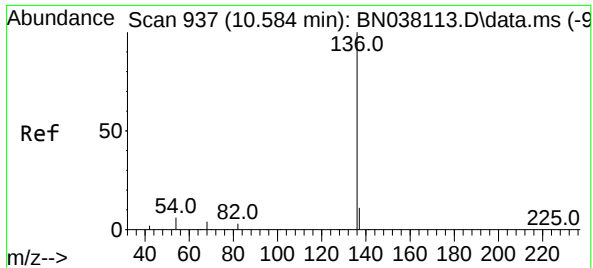
Reviewed By :Rahul Chavli 11/10/2025
Supervised By :Jagrut Upadhyay 11/10/2025



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

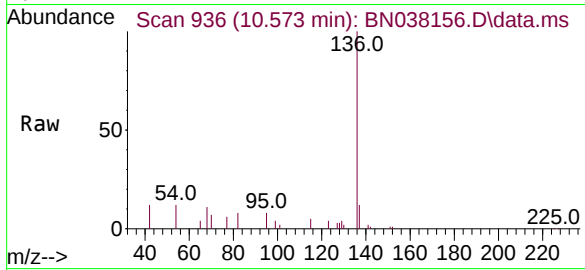
Tgt Ion: 99 Resp: 4714
Ion Ratio Lower Upper
99 100
42 30.7 16.6 24.8#
71 0.0 25.4 38.2#





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

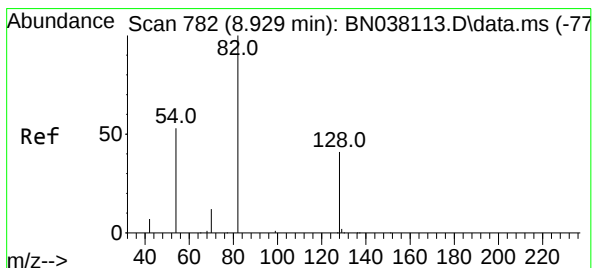
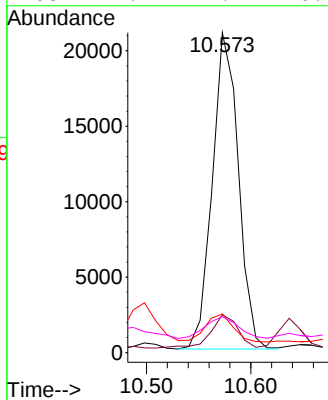
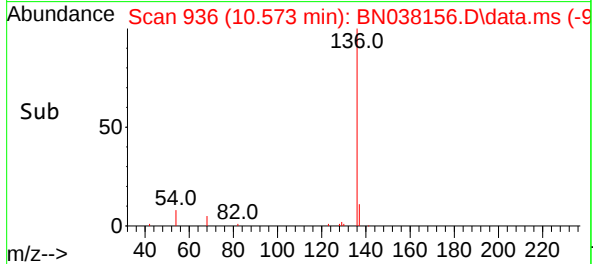
Instrument :
BNA_N
ClientSampleId :
MW-3



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

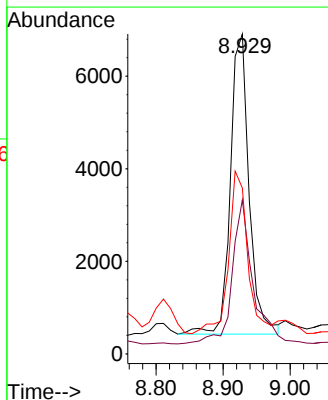
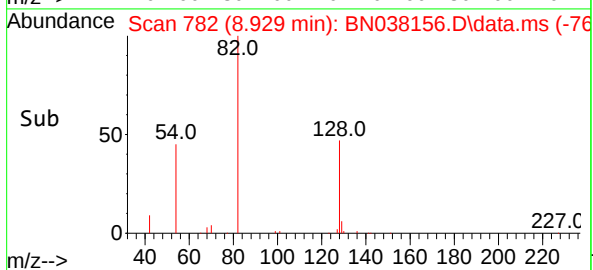
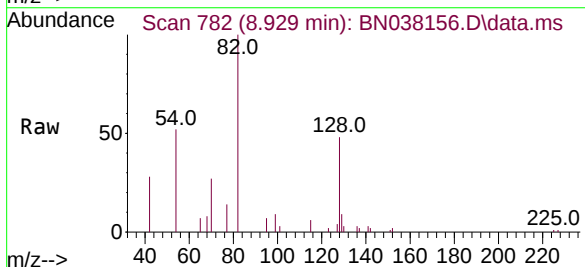
Manual Integrations
APPROVED

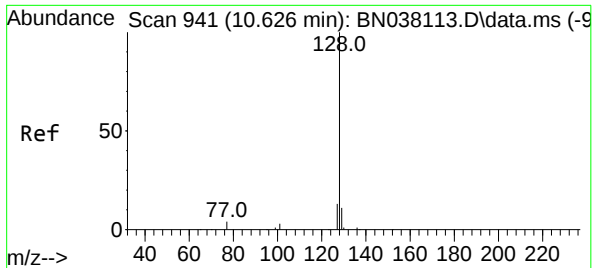
Reviewed By :Rahul Chavli 11/10/2025
Supervised By :Jagrut Upadhyay 11/10/2025



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

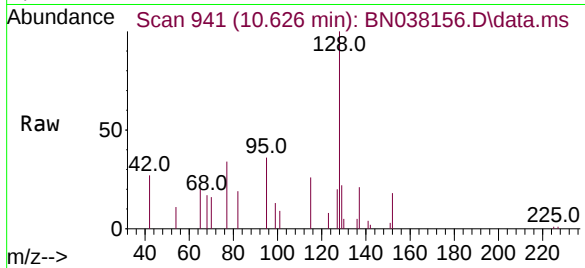
Tgt Ion: 82 Resp: 12578
Ion Ratio Lower Upper
82 100
128 48.1 34.1 51.1
54 51.8 43.5 65.3





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

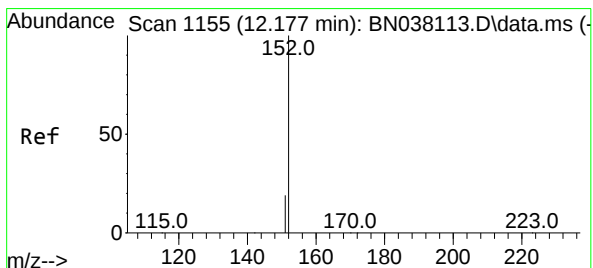
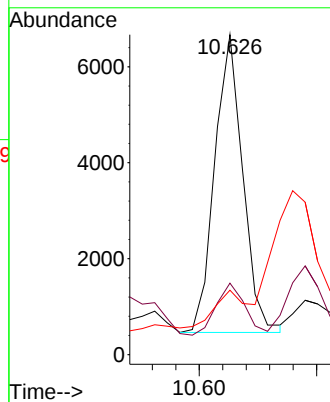
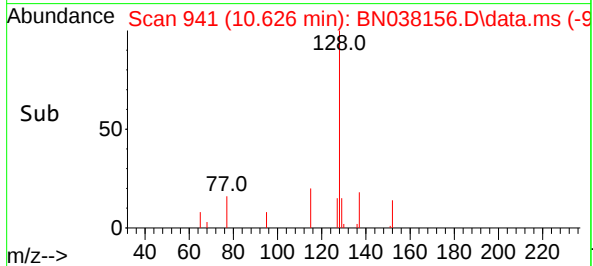
Instrument :
BNA_N
ClientSampleId :
MW-3



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

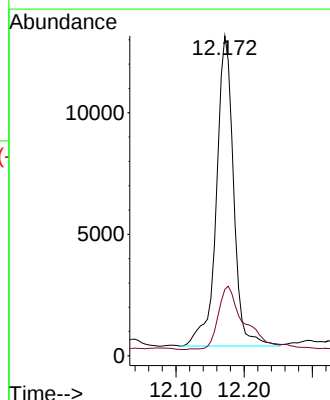
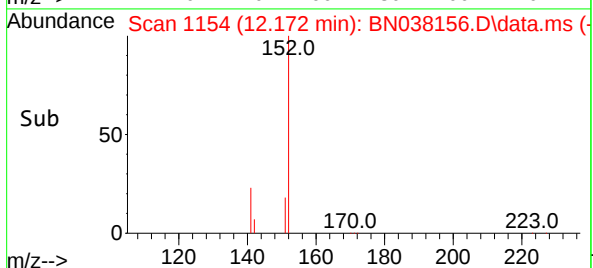
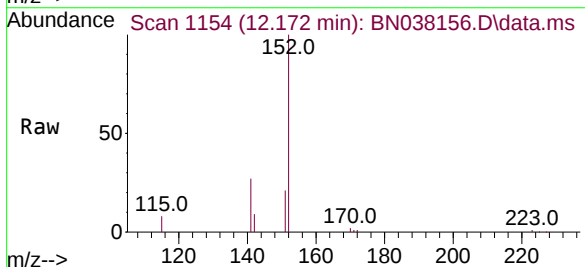
Manual Integrations
APPROVED

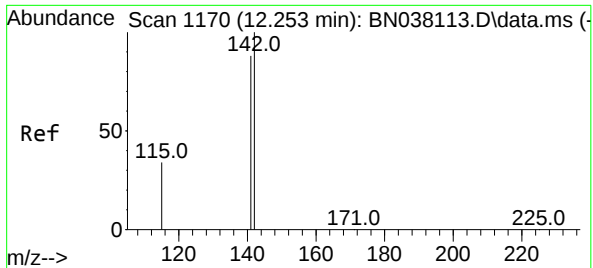
Reviewed By :Rahul Chavli 11/10/2025
Supervised By :Jagrut Upadhyay 11/10/2025



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

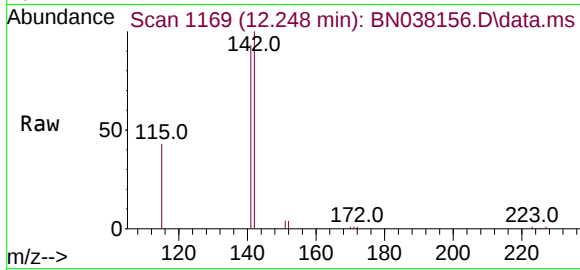
Tgt Ion:152 Resp: 22349
Ion Ratio Lower Upper
152 100
151 32.6 16.8 25.2





#12
2-Methylnaphthalene
Concen: 0.310 ng
RT: 12.248 min Scan# 1170
Delta R.T. -0.000 min
Lab File: BN038156.D
Acq: 07 Nov 2025 16:10

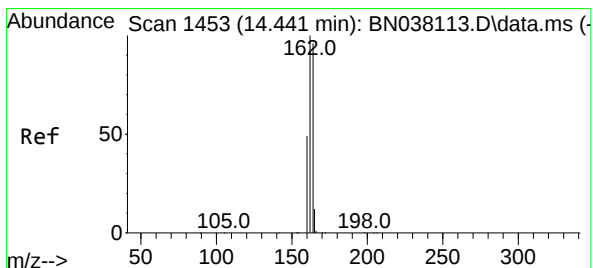
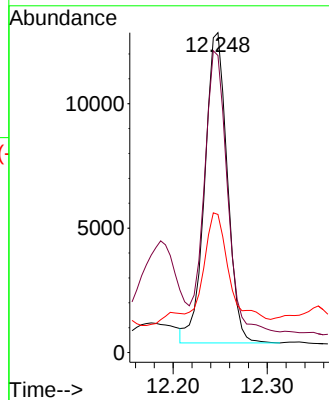
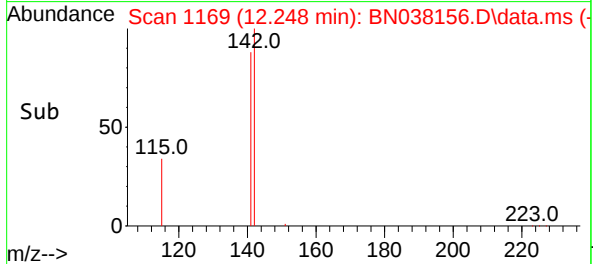
Instrument :
BNA_N
ClientSampleId :
MW-3



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

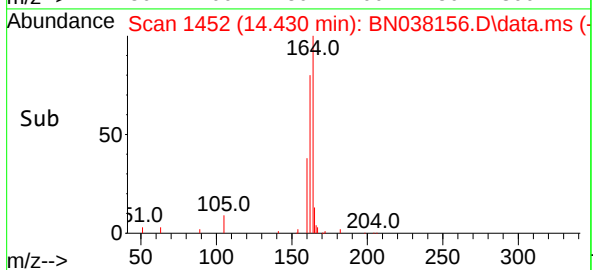
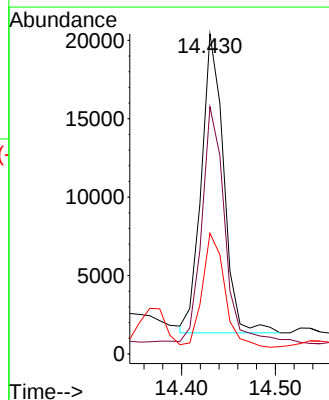
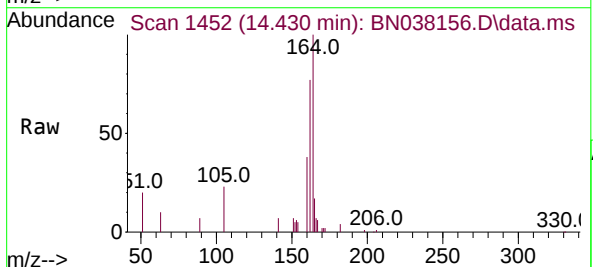
Manual Integrations
APPROVED

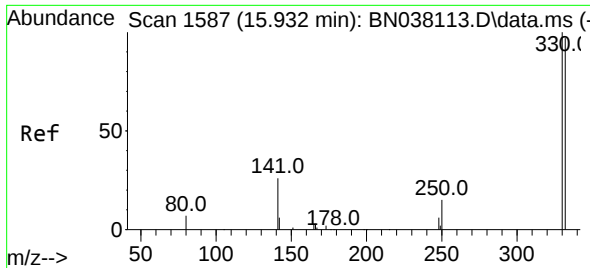
Reviewed By :Rahul Chavli 11/10/2025
Supervised By :Jagrut Upadhyay 11/10/2025



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

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





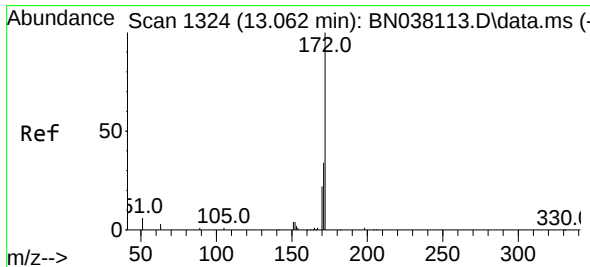
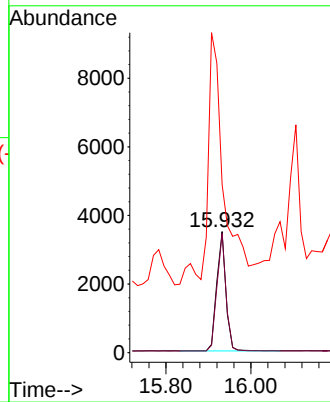
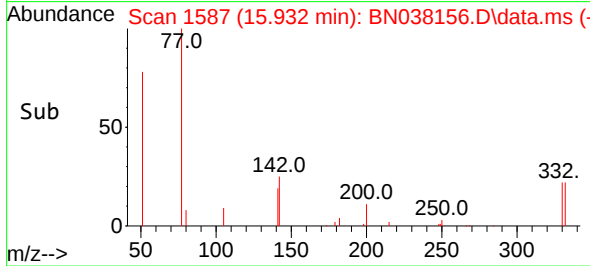
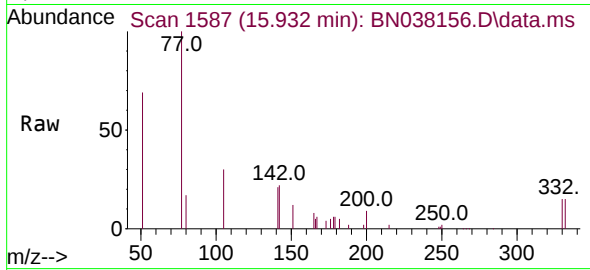
#14
2,4,6-Tribromophenol
Concen: 0.398 ng
RT: 15.932 min Scan# 11
Delta R.T. 0.000 min
Lab File: BN038156.D
Acq: 07 Nov 2025 16:10

Instrument :
BNA_N
ClientSampleId :
MW-3

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

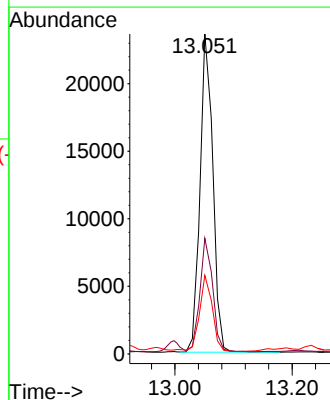
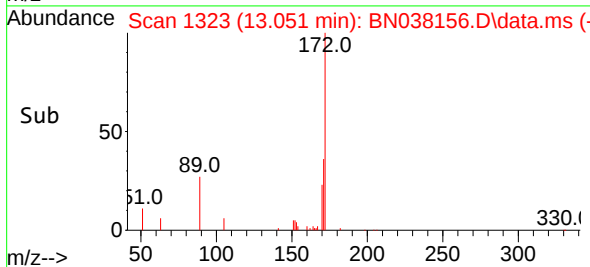
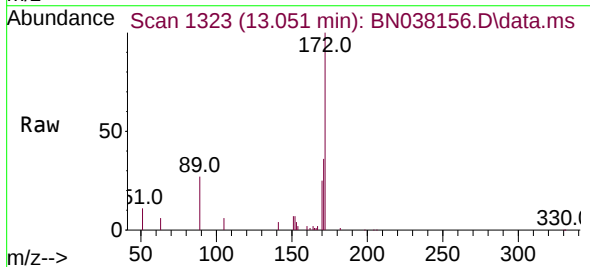
Manual Integrations
APPROVED

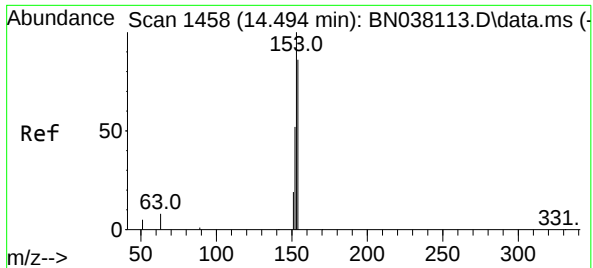
Reviewed By :Rahul Chavli 11/10/2025
Supervised By :Jagrut Upadhyay 11/10/2025



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

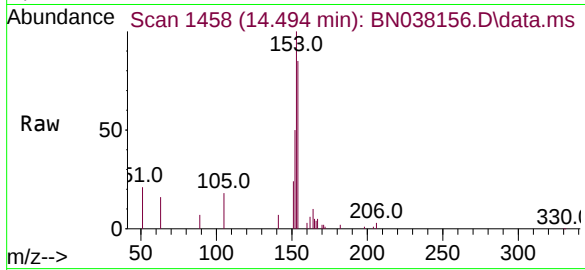
Tgt Ion: 172 Resp: 35582
Ion Ratio Lower Upper
172 100
171 36.1 27.8 41.6
170 24.5 18.1 27.1





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

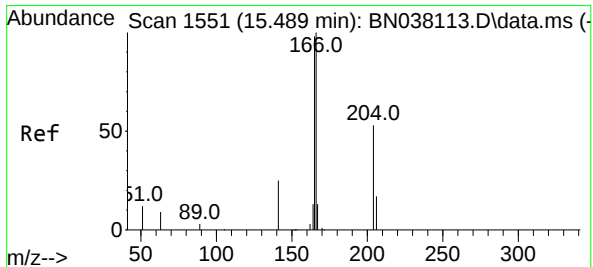
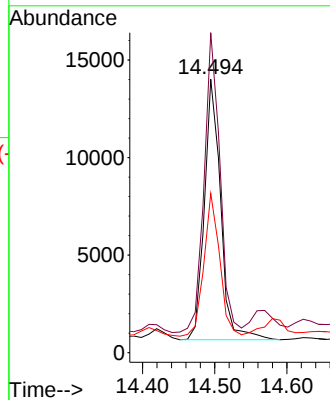
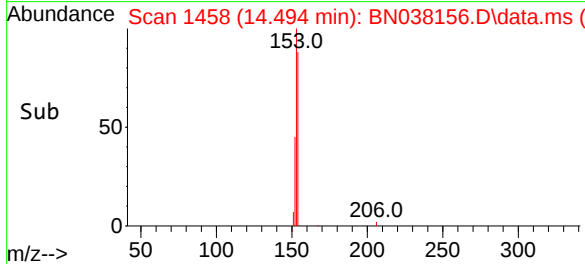
Instrument :
BNA_N
ClientSampleId :
MW-3



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

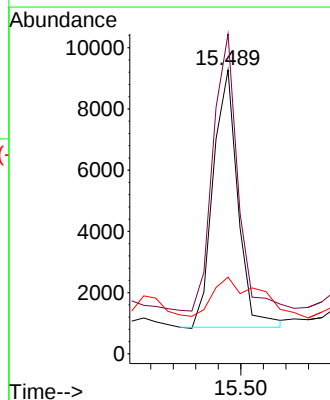
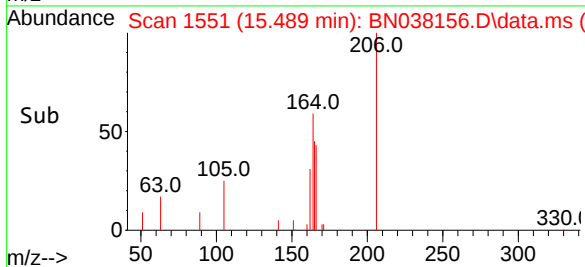
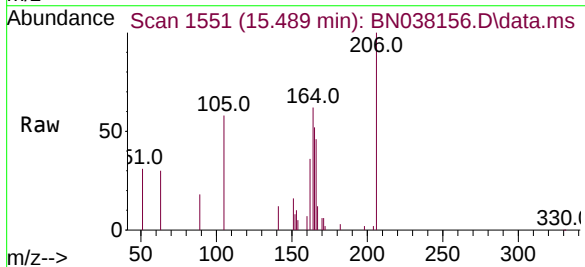
Manual Integrations
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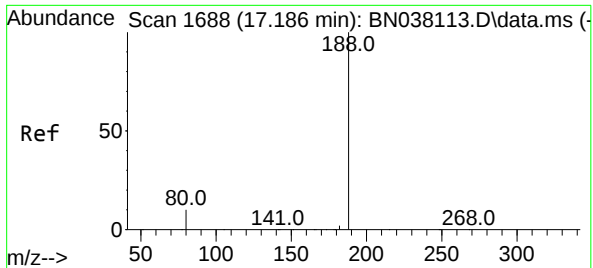
Reviewed By :Rahul Chavli 11/10/2025
Supervised By :Jagrut Upadhyay 11/10/2025



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

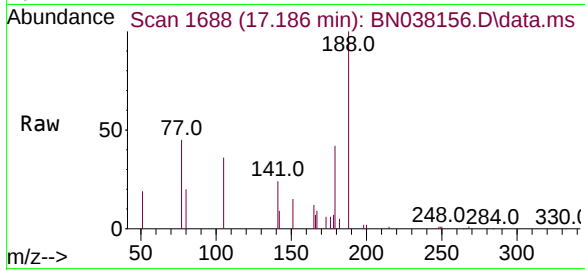
Tgt Ion:166 Resp: 13238
Ion Ratio Lower Upper
166 100
165 108.0 79.0 118.4
167 29.6 10.7 16.1#





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

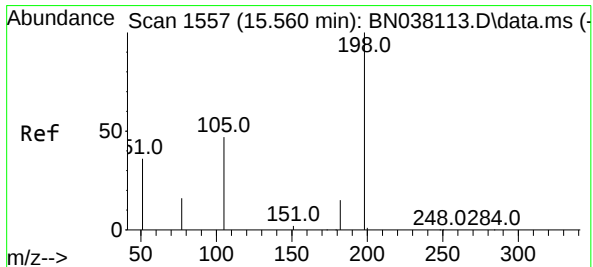
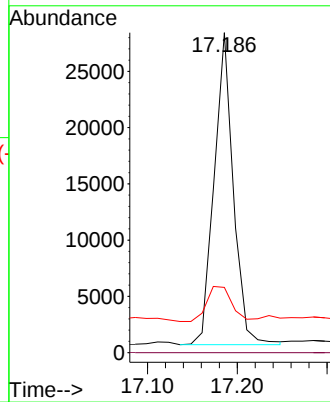
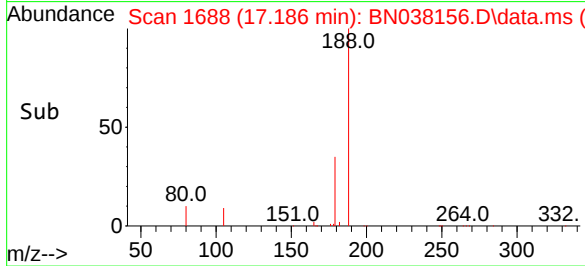
Instrument :
BNA_N
ClientSampleId :
MW-3



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

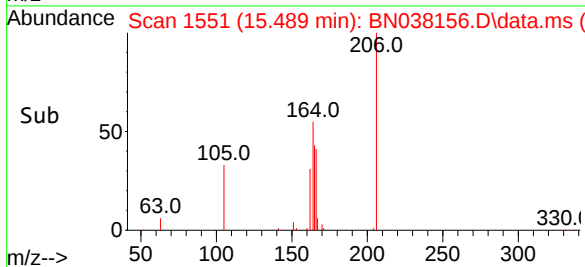
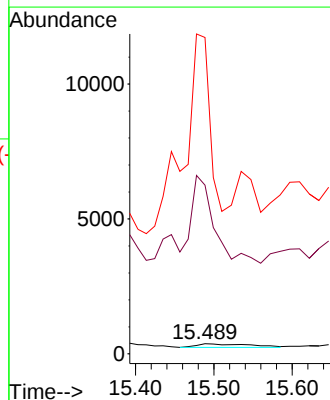
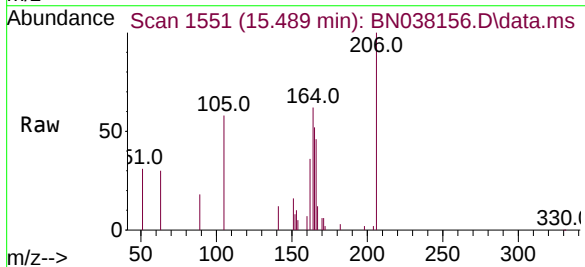
Manual Integrations
APPROVED

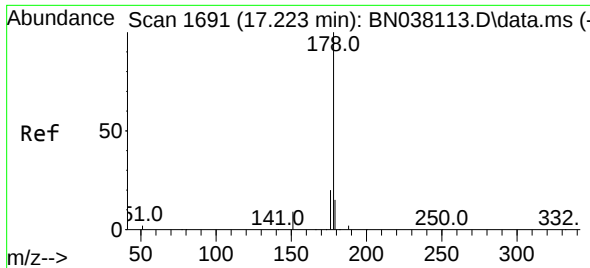
Reviewed By :Rahul Chavli 11/10/2025
Supervised By :Jagrut Upadhyay 11/10/2025



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

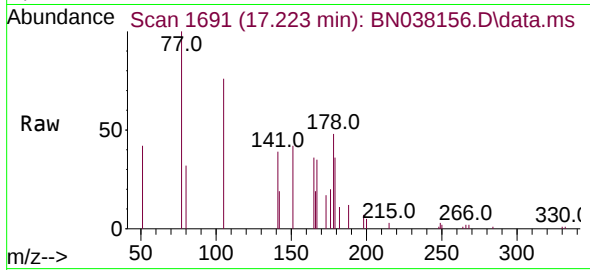
Tgt Ion:198 Resp: 632
Ion Ratio Lower Upper
198 100
51 1668.3 88.9 133.3#
105 3127.5 49.2 73.8#





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

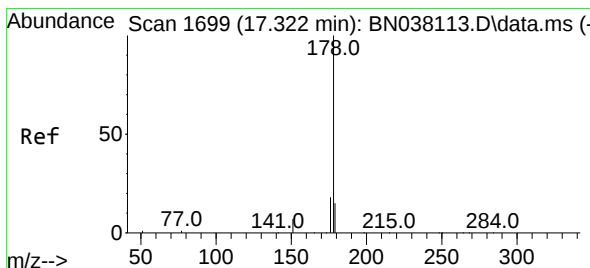
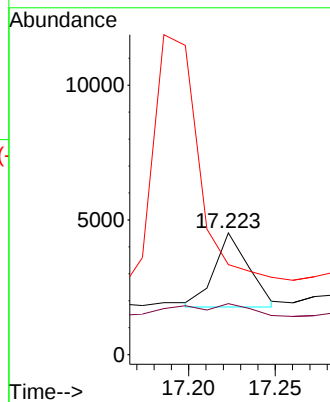
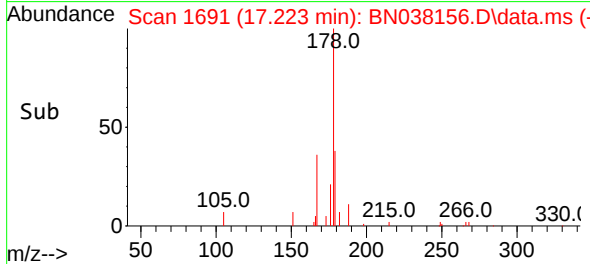
Instrument :
BNA_N
ClientSampleId :
MW-3



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

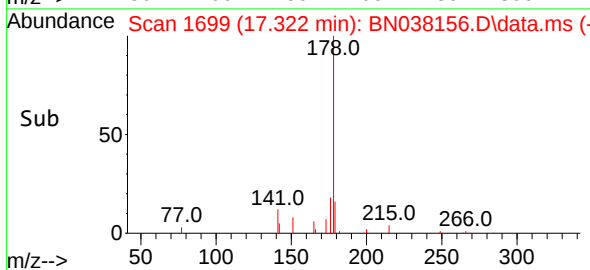
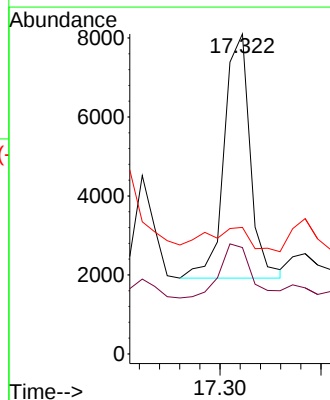
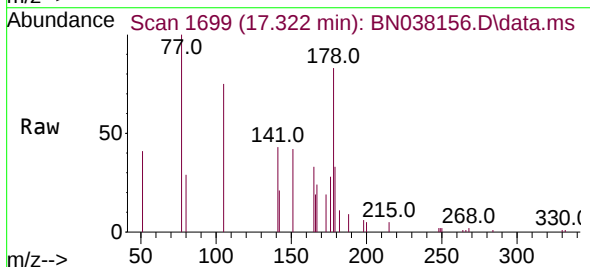
Manual Integrations
APPROVED

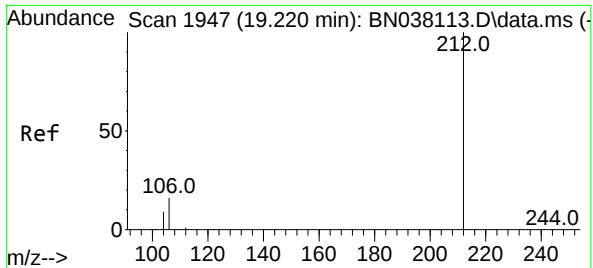
Reviewed By :Rahul Chavli 11/10/2025
Supervised By :Jagrut Upadhyay 11/10/2025



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

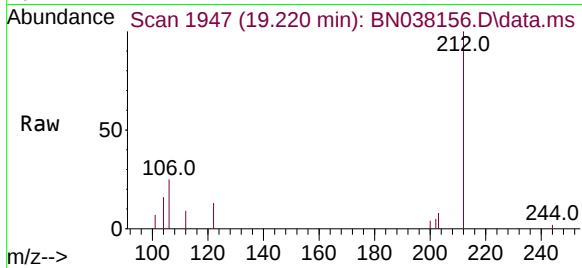
Tgt Ion:178 Resp: 11096
Ion Ratio Lower Upper
178 100
176 27.3 14.9 22.3#
179 19.3 11.8 17.8#





#27
Fluoranthene-d10
Concen: 0.355 ng
RT: 19.220 min Scan# 1947
Delta R.T. -0.000 min
Lab File: BN038156.D
Acq: 07 Nov 2025 16:10

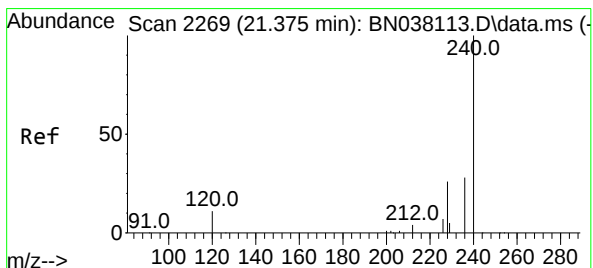
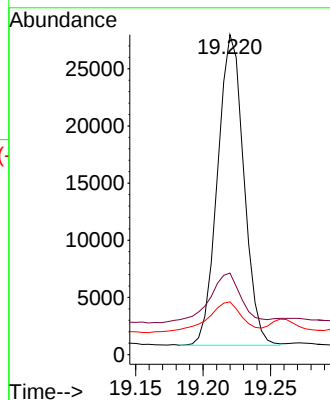
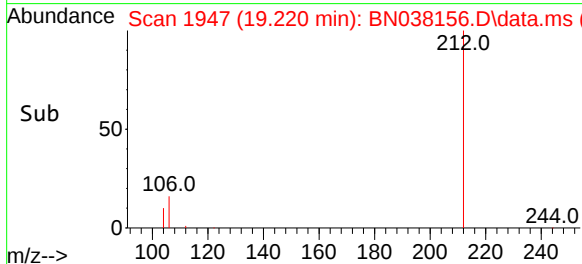
Instrument :
BNA_N
ClientSampleId :
MW-3



Tgt Ion:212 Resp: 36874
Ion Ratio Lower Upper
212 100
106 19.5 12.6 19.0#
104 13.2 7.1 10.7#

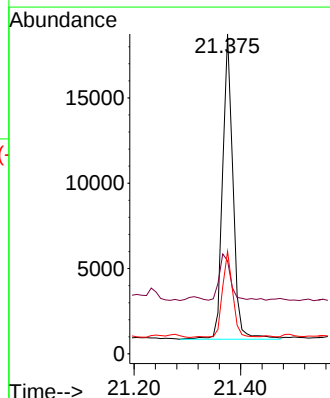
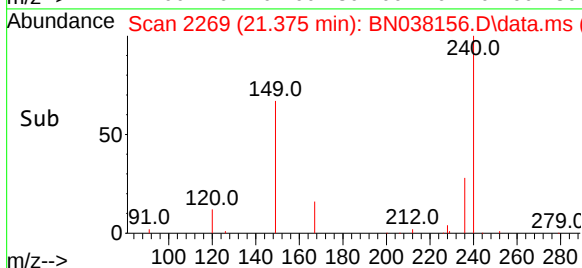
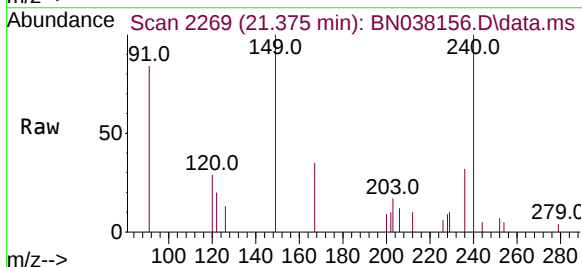
Manual Integrations
APPROVED

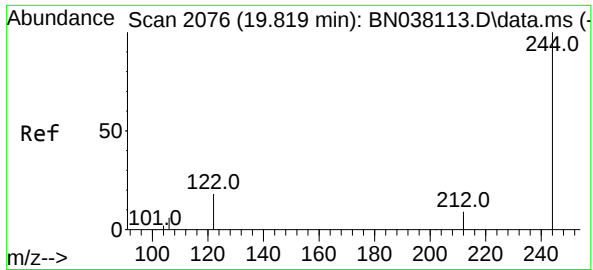
Reviewed By :Rahul Chavli 11/10/2025
Supervised By :Jagrut Upadhyay 11/10/2025



#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.375 min Scan# 2269
Delta R.T. -0.000 min
Lab File: BN038156.D
Acq: 07 Nov 2025 16:10

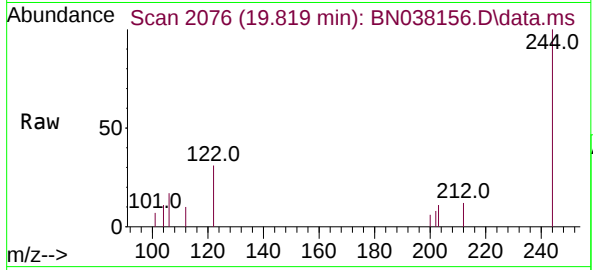
Tgt Ion:240 Resp: 24174
Ion Ratio Lower Upper
240 100
120 29.1 10.7 16.1#
236 32.0 23.1 34.7





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

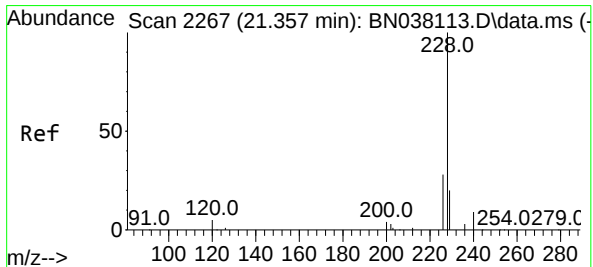
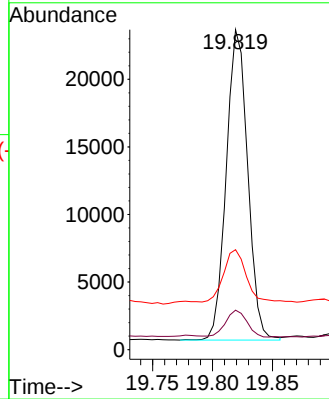
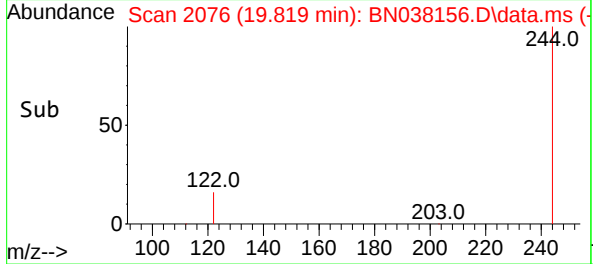
Instrument :
BNA_N
ClientSampleId :
MW-3



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

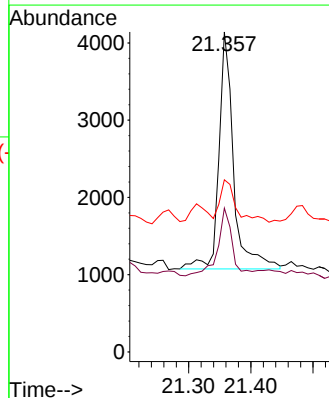
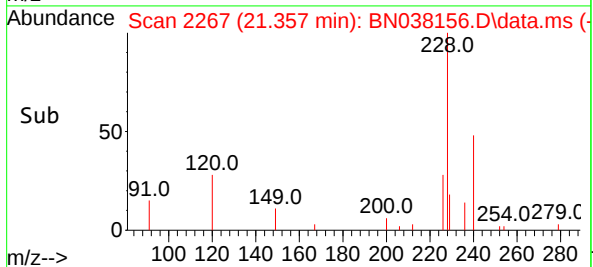
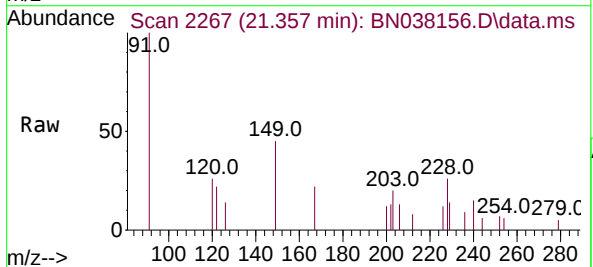
Manual Integrations
APPROVED

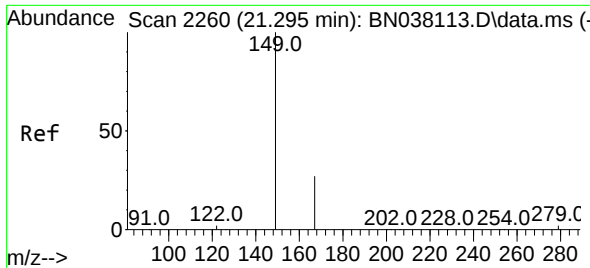
Reviewed By :Rahul Chavli 11/10/2025
Supervised By :Jagrut Upadhyay 11/10/2025



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

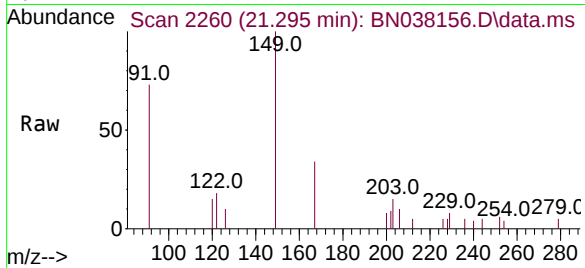
Tgt Ion:228 Resp: 5019
Ion Ratio Lower Upper
228 100
226 44.9 22.2 33.4#
229 53.8 15.8 23.8#





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

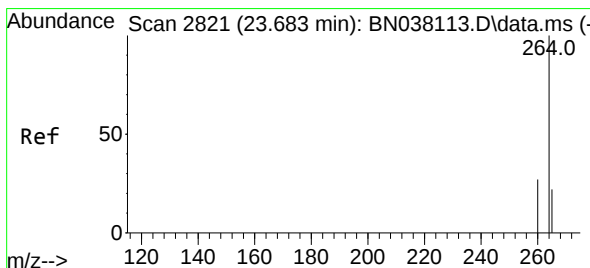
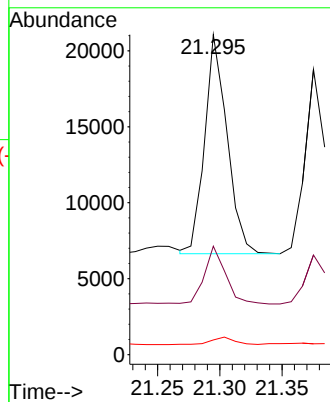
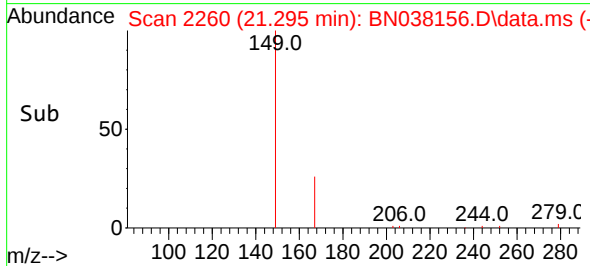
Instrument :
BNA_N
ClientSampleId :
MW-3



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

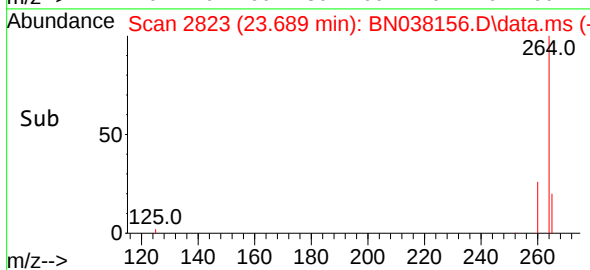
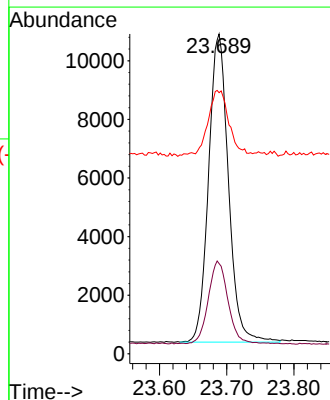
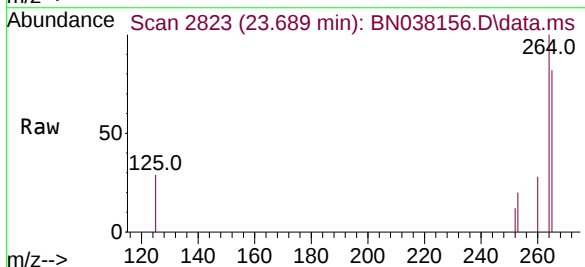
Manual Integrations
APPROVED

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



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

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





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

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

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 : BN038178.D
 Acq On : 10 Nov 2025 12:39
 Operator : RC/JU
 Sample : Q3552-05DL 5X
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 MW-3DL

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

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

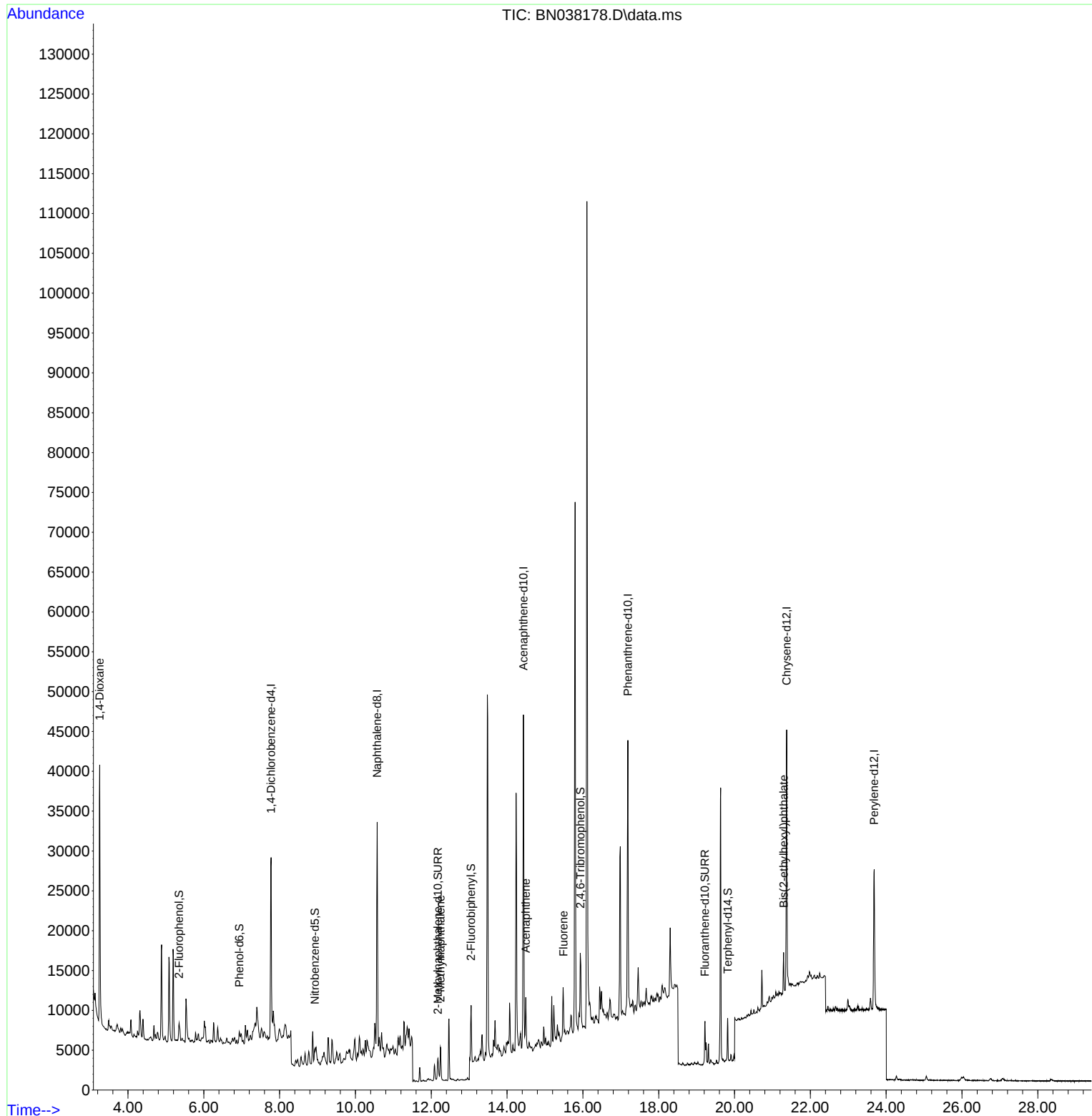
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.775	152	11254	0.400	ng	0.00
7) Naphthalene-d8	10.573	136	37609	0.400	ng	# 0.00
13) Acenaphthene-d10	14.430	164	24476	0.400	ng	0.00
19) Phenanthrene-d10	17.186	188	44166	0.400	ng	0.00
29) Chrysene-d12	21.375	240	28574	0.400	ng	0.00
35) Perylene-d12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

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

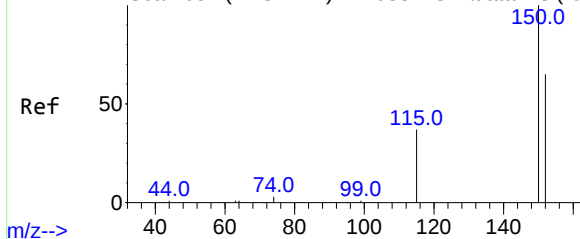
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN111025\
Data File : BN038178.D
Acq On : 10 Nov 2025 12:39
Operator : RC/JU
Sample : Q3552-05DL 5X
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
MW-3DL

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



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



#1

1,4-Dichlorobenzene-d4

Concen: 0.400 ng

RT: 7.775 min Scan# 6

Delta R.T. -0.000 min

Lab File: BN038178.D

Acq: 10 Nov 2025 12:39

Instrument :

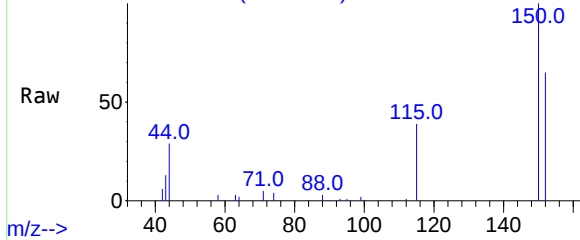
BNA_N

ClientSampleId :

MW-3DL

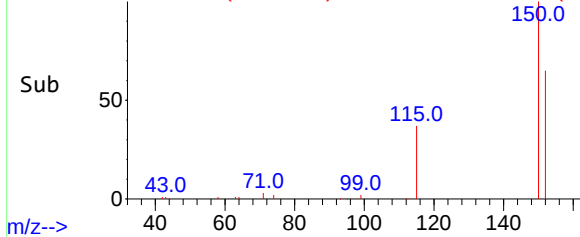
m/z-->

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



m/z-->

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



m/z-->

Tgt Ion:152 Resp: 11254

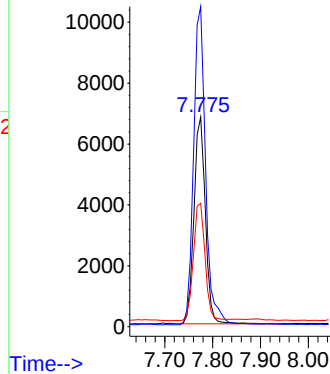
Ion Ratio Lower Upper

152 100

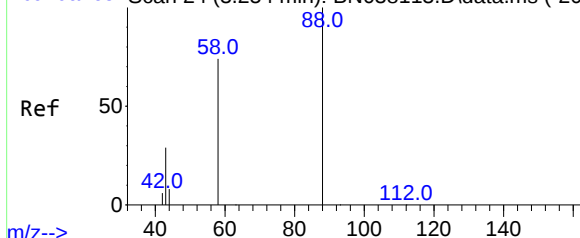
150 152.7 122.3 183.5

115 58.9 47.4 71.0

Abundance

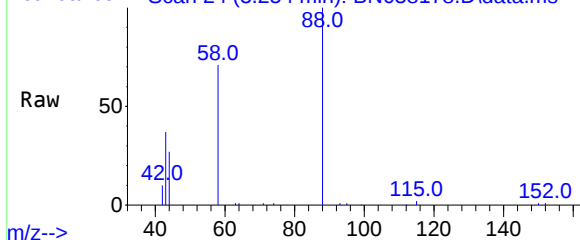


Abundance Scan 24 (3.254 min): BN038113.D\data.ms (-20)



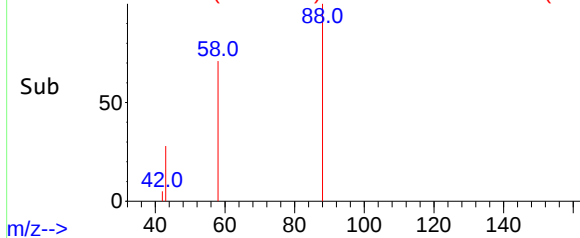
m/z-->

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



m/z-->

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



m/z-->

#2

1,4-Dioxane

Concen: 1.863 ng

RT: 3.254 min Scan# 24

Delta R.T. 0.000 min

Lab File: BN038178.D

Acq: 10 Nov 2025 12:39

Tgt Ion: 88 Resp: 21666

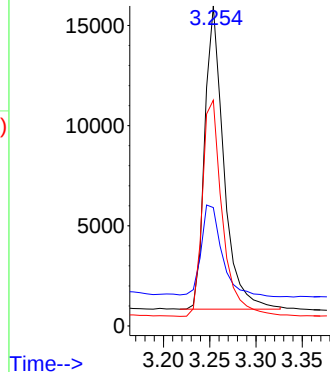
Ion Ratio Lower Upper

88 100

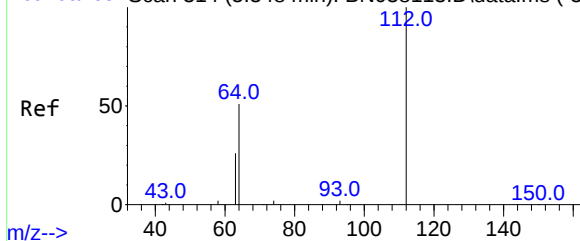
43 33.5 24.3 36.5

58 75.3 60.4 90.6

Abundance



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



#4

2-Fluorophenol

Concen: 0.040 ng

RT: 5.348 min Scan# 314

Delta R.T. 0.000 min

Lab File: BN038178.D

Acq: 10 Nov 2025 12:39

Instrument :

BNA_N

ClientSampleId :

MW-3DL

Tgt Ion:112 Resp: 1062

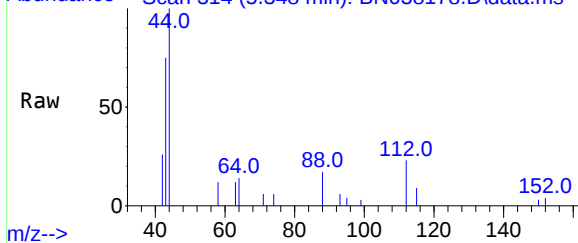
Ion Ratio Lower Upper

112 100

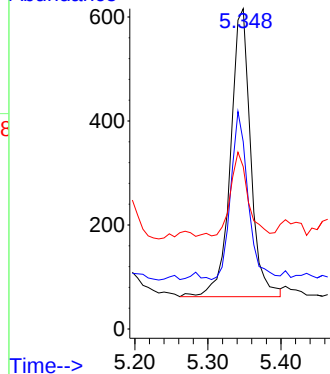
64 49.9 45.4 68.0

63 25.0 23.2 34.8

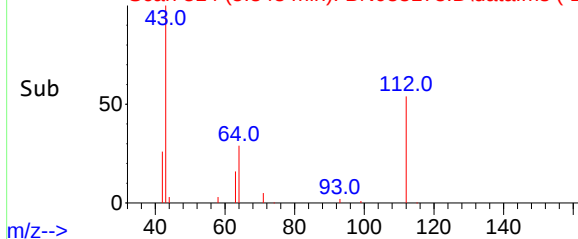
Abundance Scan 314 (5.348 min): BN038178.D\data.ms



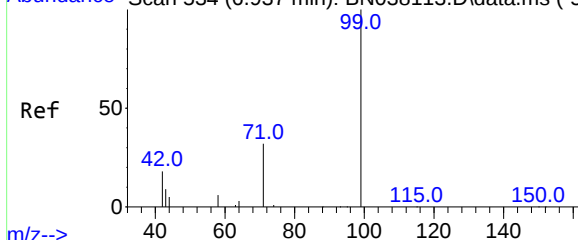
Abundance



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



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



#5

Phenol-d6

Concen: 0.026 ng

RT: 6.937 min Scan# 534

Delta R.T. 0.000 min

Lab File: BN038178.D

Acq: 10 Nov 2025 12:39

Tgt Ion: 99 Resp: 843

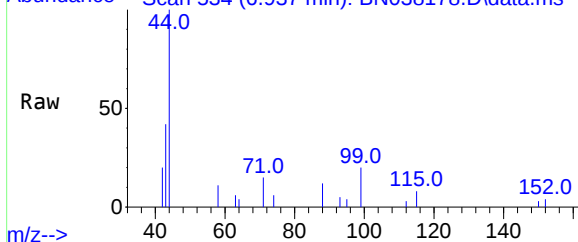
Ion Ratio Lower Upper

99 100

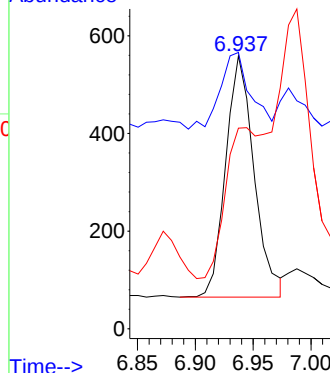
42 38.1 16.6 24.8#

71 67.9 25.4 38.2#

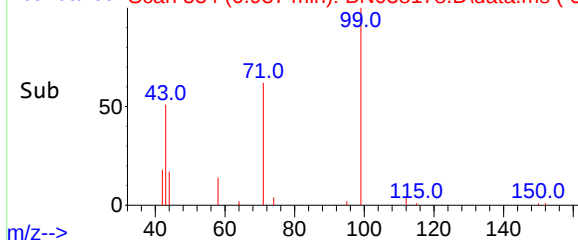
Abundance Scan 534 (6.937 min): BN038178.D\data.ms

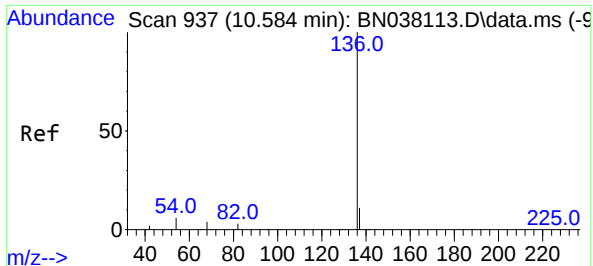


Abundance



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

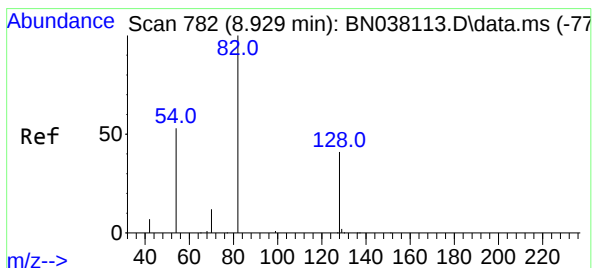
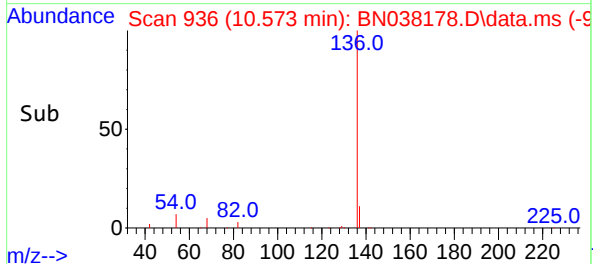
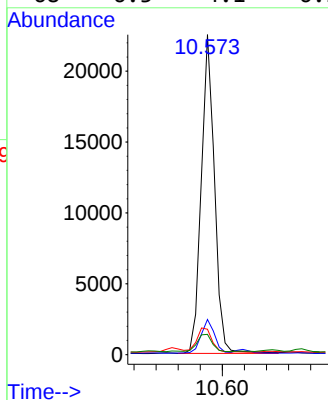
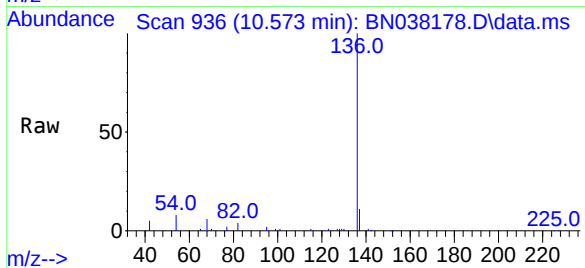




#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.573 min Scan# 91
Delta R.T. 0.000 min
Lab File: BN038178.D
Acq: 10 Nov 2025 12:39

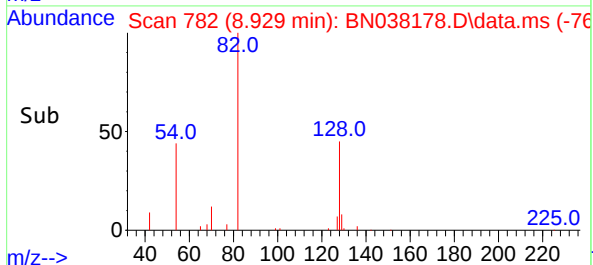
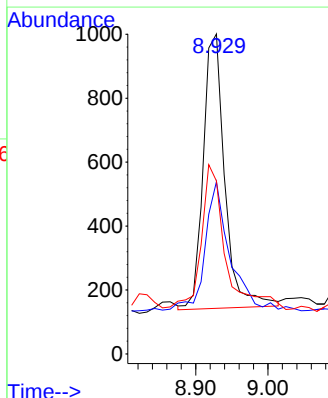
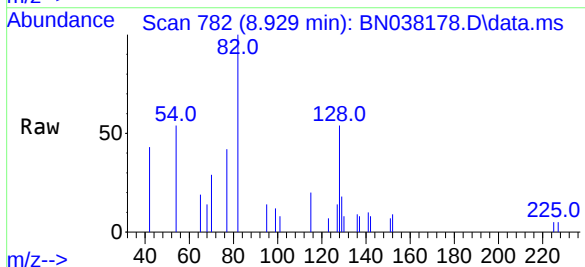
Instrument :
BNA_N
ClientSampleId :
MW-3DL

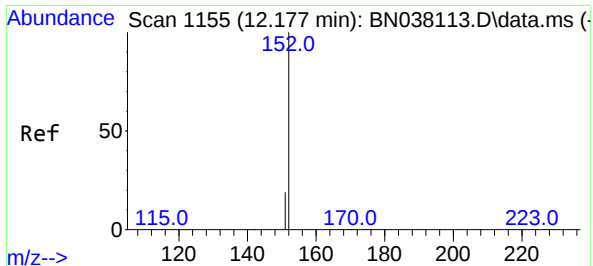
Tgt Ion:136 Resp: 37609
Ion Ratio Lower Upper
136 100
137 11.0 9.0 13.4
54 8.0 5.2 7.8#
68 6.3 4.1 6.1#



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

Tgt Ion: 82 Resp: 1783
Ion Ratio Lower Upper
82 100
128 53.8 34.1 51.1#
54 54.0 43.5 65.3





#11

2-Methylnaphthalene-d10

Concen: 0.059 ng

RT: 12.172 min Scan# 1154

Delta R.T. -0.005 min

Lab File: BN038178.D

Acq: 10 Nov 2025 12:39

Instrument :

BNA_N

ClientSampleId :

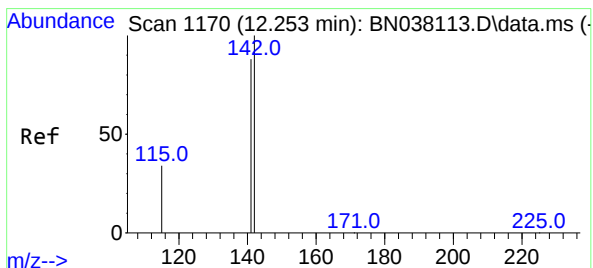
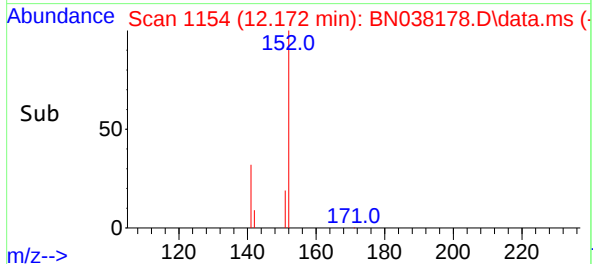
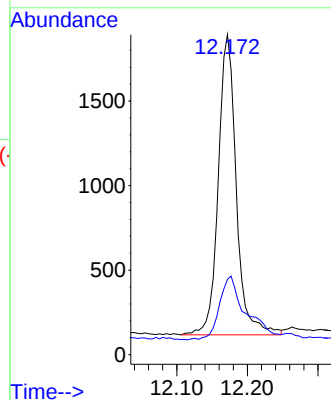
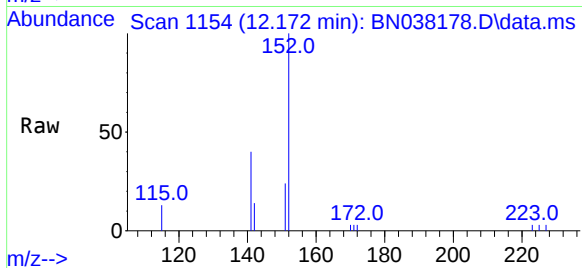
MW-3DL

Tgt Ion:152 Resp: 3151

Ion Ratio Lower Upper

152 100

151 31.4 16.8 25.2#



#12

2-Methylnaphthalene

Concen: 0.044 ng

RT: 12.243 min Scan# 1168

Delta R.T. -0.005 min

Lab File: BN038178.D

Acq: 10 Nov 2025 12:39

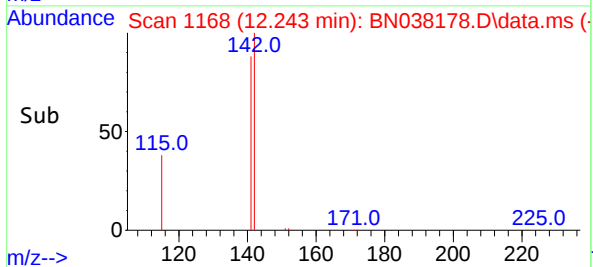
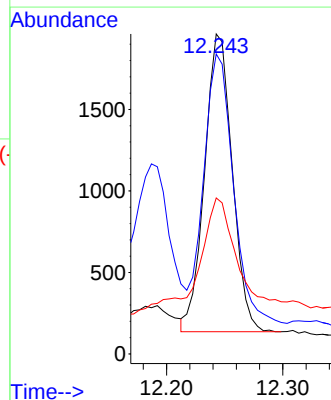
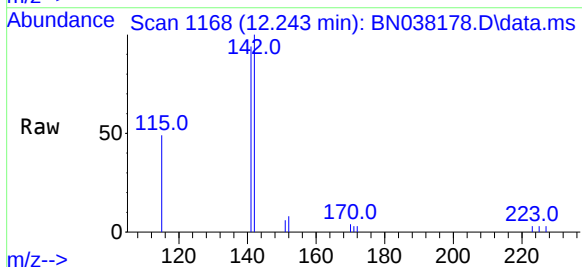
Tgt Ion:142 Resp: 3016

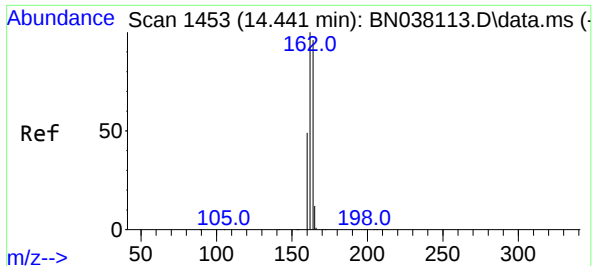
Ion Ratio Lower Upper

142 100

141 93.7 70.3 105.5

115 48.8 27.8 41.6#

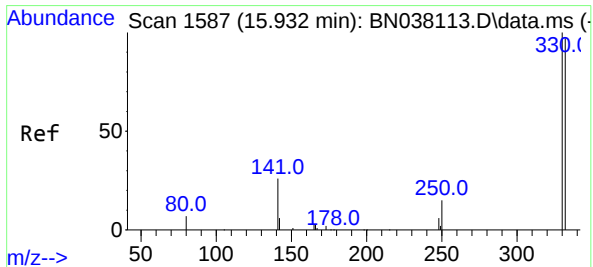
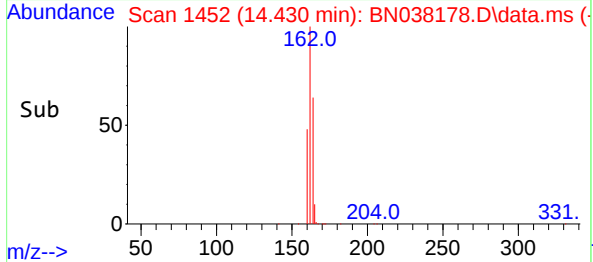
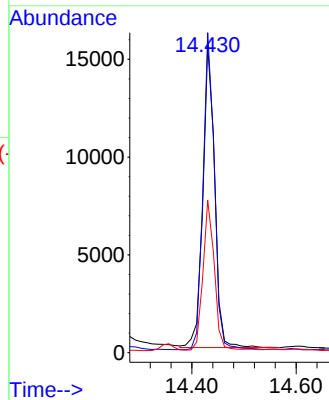
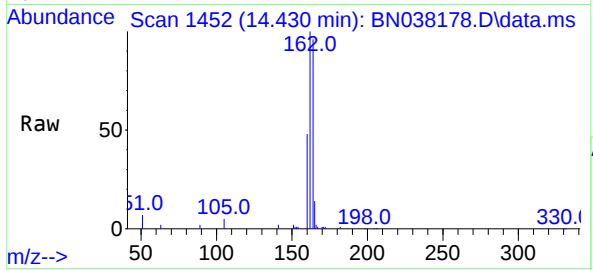




#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.430 min Scan# 1453
Delta R.T. 0.000 min
Lab File: BN038178.D
Acq: 10 Nov 2025 12:39

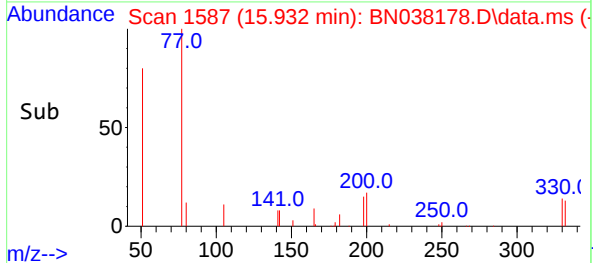
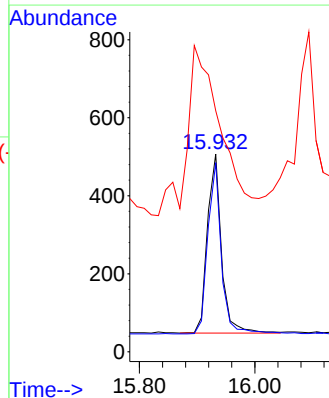
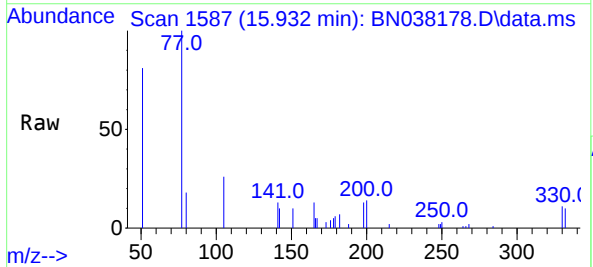
Instrument :
BNA_N
ClientSampleId :
MW-3DL

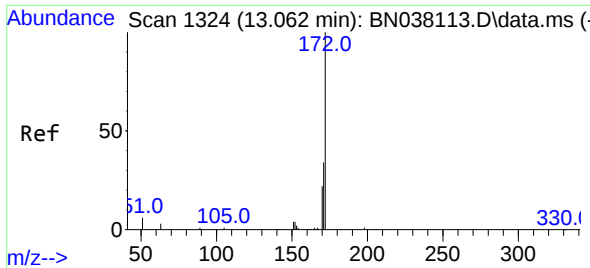
Tgt Ion:164 Resp: 24476
Ion Ratio Lower Upper
164 100
162 104.2 83.0 124.4
160 49.7 40.7 61.1



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

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

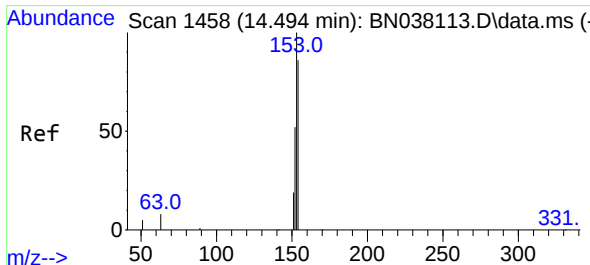
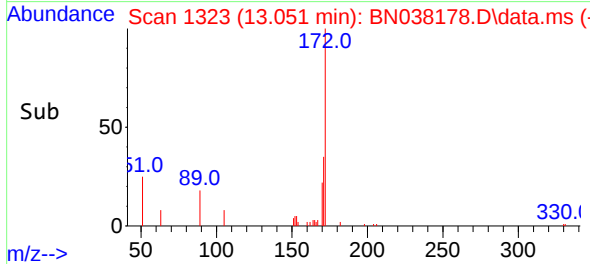
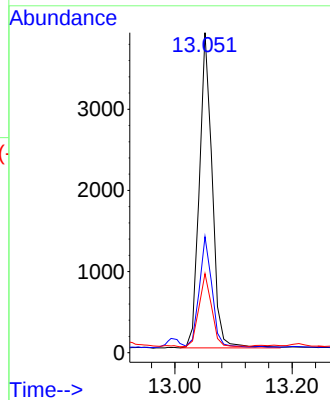
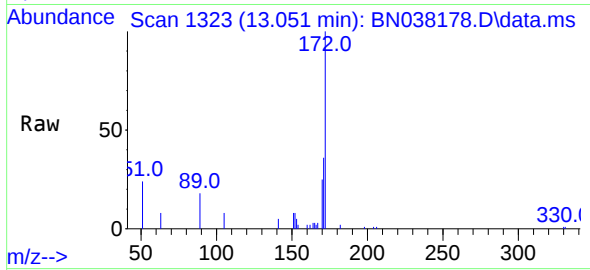




#15
2-Fluorobiphenyl
Concen: 0.060 ng
RT: 13.051 min Scan# 1323
Delta R.T. 0.000 min
Lab File: BN038178.D
Acq: 10 Nov 2025 12:39

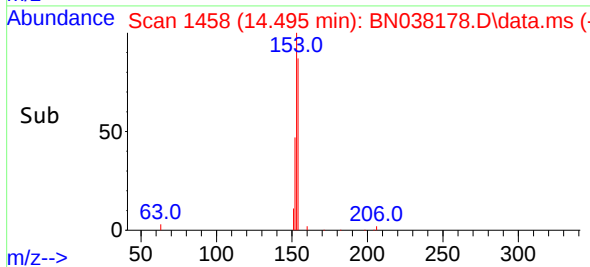
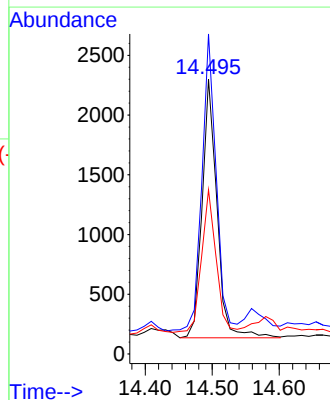
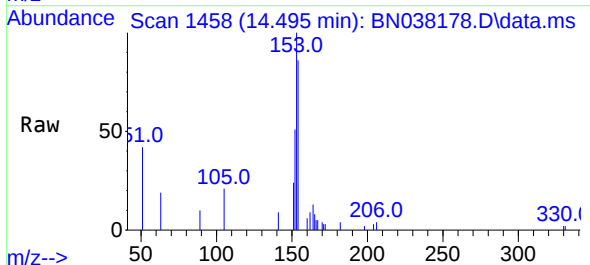
Instrument :
BNA_N
ClientSampleId :
MW-3DL

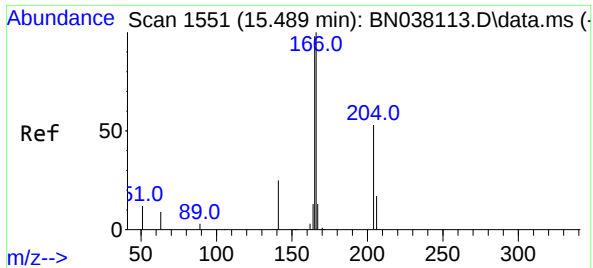
Tgt Ion:172 Resp: 5917
Ion Ratio Lower Upper
172 100
171 36.3 27.8 41.6
170 24.7 18.1 27.1



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

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

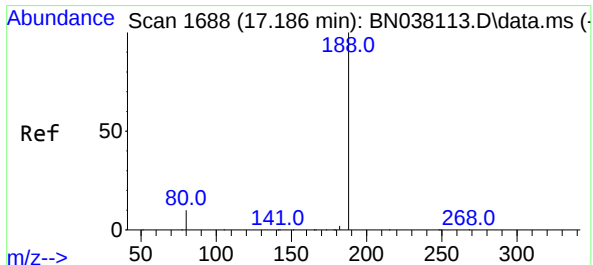
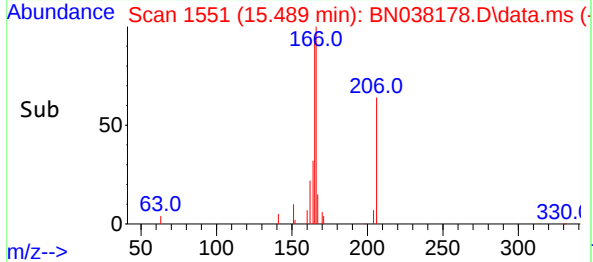
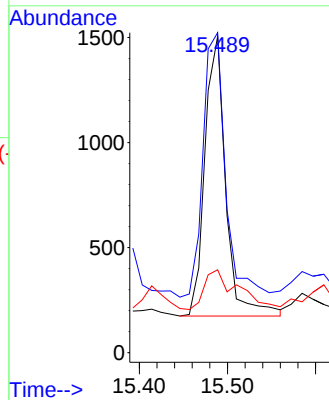
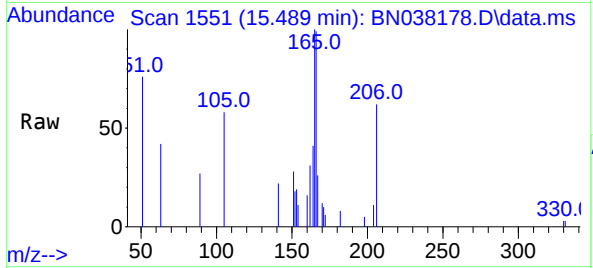




#18
Fluorene
Concen: 0.023 ng
RT: 15.489 min Scan# 1551
Delta R.T. -0.000 min
Lab File: BN038178.D
Acq: 10 Nov 2025 12:39

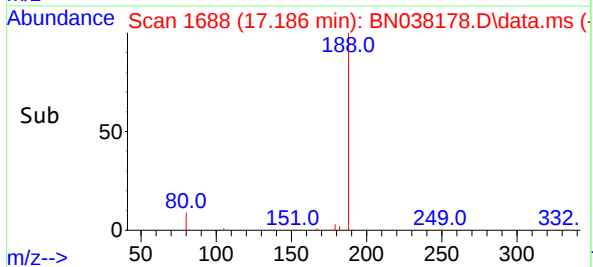
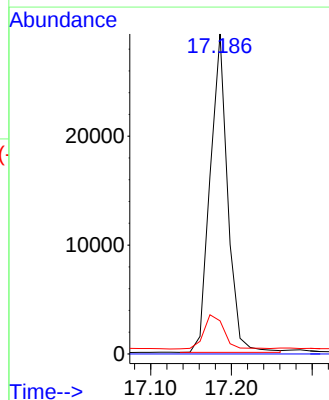
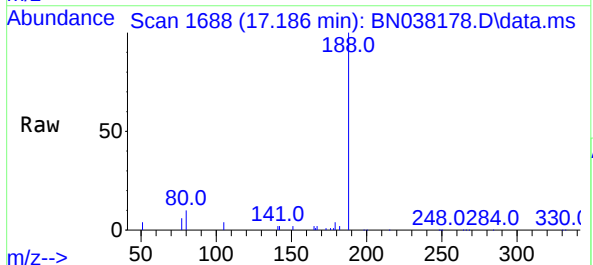
Instrument :
BNA_N
ClientSampleId :
MW-3DL

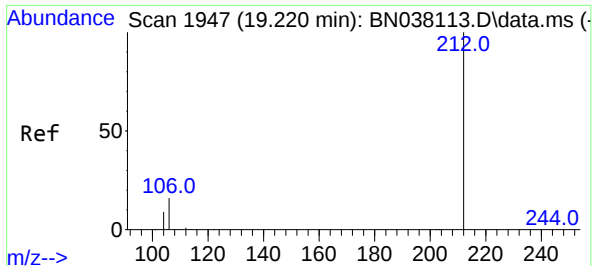
Tgt Ion:166 Resp: 2311
Ion Ratio Lower Upper
166 100
165 100.1 79.0 118.4
167 22.5 10.7 16.1#



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

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

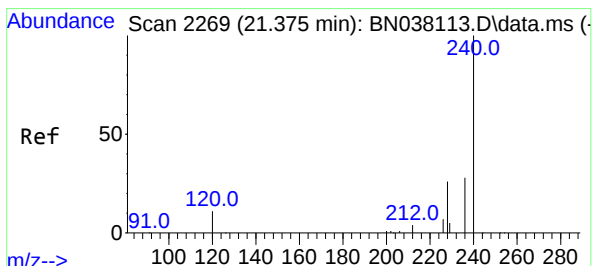
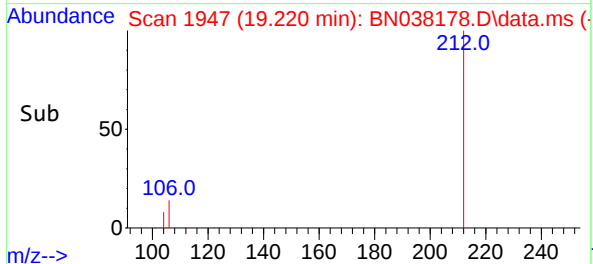
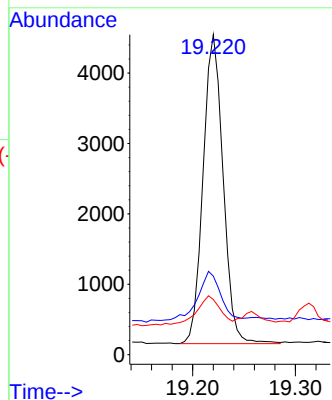
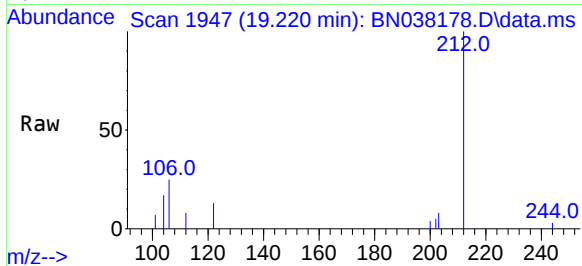




#27
Fluoranthene-d10
Concen: 0.053 ng
RT: 19.220 min Scan# 1947
Delta R.T. 0.000 min
Lab File: BN038178.D
Acq: 10 Nov 2025 12:39

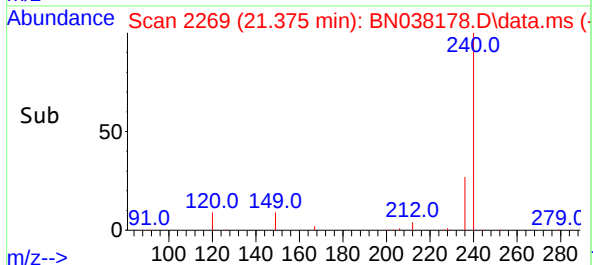
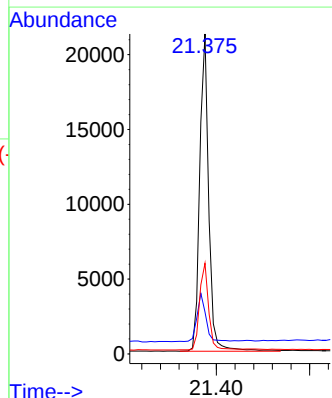
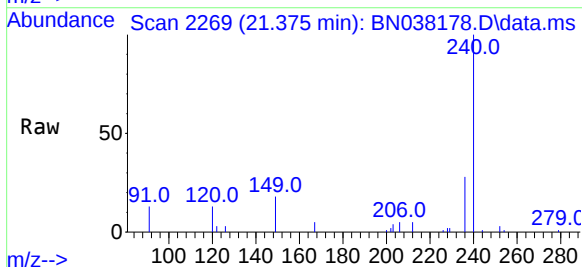
Instrument :
BNA_N
ClientSampleId :
MW-3DL

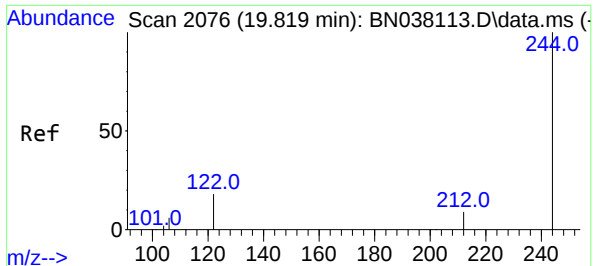
Tgt Ion:212 Resp: 5929
Ion Ratio Lower Upper
212 100
106 17.8 12.6 19.0
104 11.9 7.1 10.7#



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

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

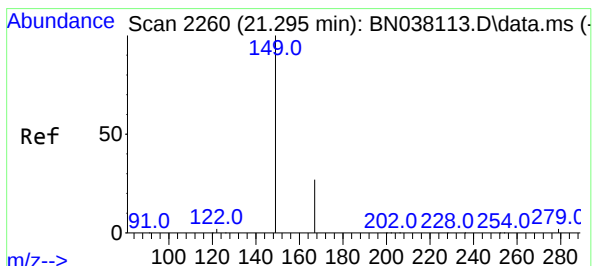
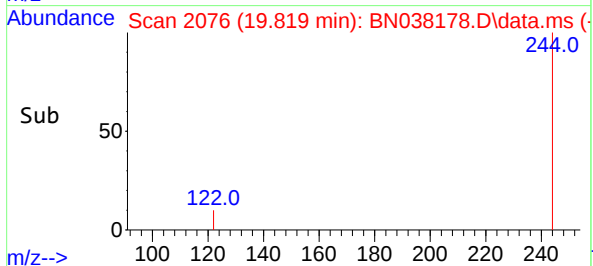
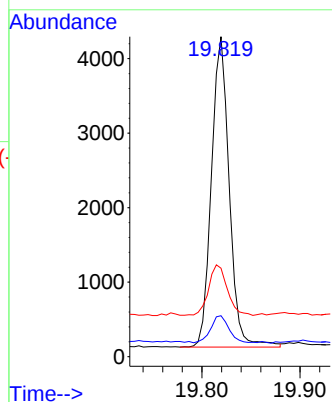
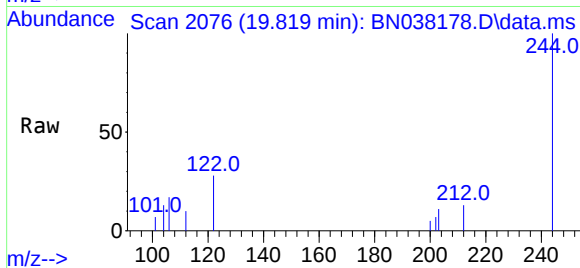




#31
Terphenyl-d14
Concen: 0.085 ng
RT: 19.819 min Scan# 2076
Delta R.T. 0.000 min
Lab File: BN038178.D
Acq: 10 Nov 2025 12:39

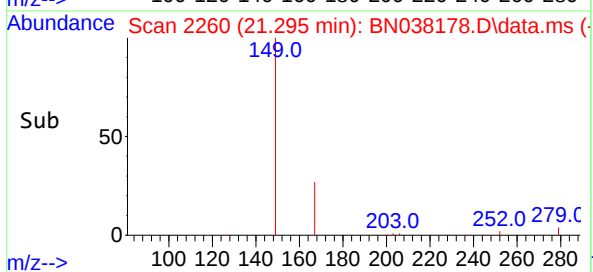
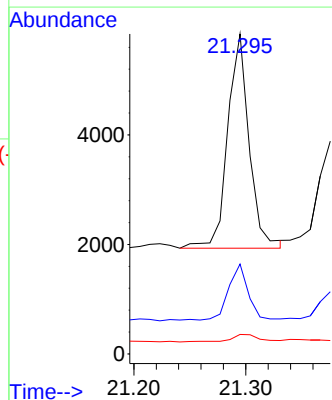
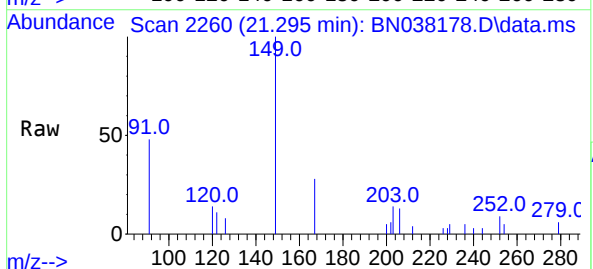
Instrument :
BNA_N
ClientSampleId :
MW-3DL

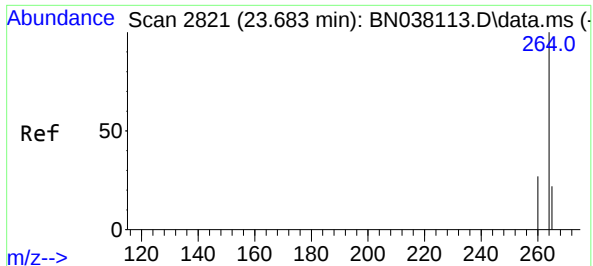
Tgt Ion:244 Resp: 5253
Ion Ratio Lower Upper
244 100
212 12.8 7.8 11.6#
122 27.6 15.2 22.8#



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

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





#35

Perylene-d12

Concen: 0.400 ng

RT: 23.683 min Scan# 24

Delta R.T. 0.003 min

Lab File: BN038178.D

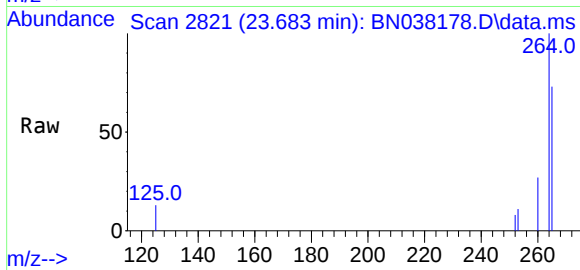
Acq: 10 Nov 2025 12:39

Instrument :

BNA_N

ClientSampleId :

MW-3DL



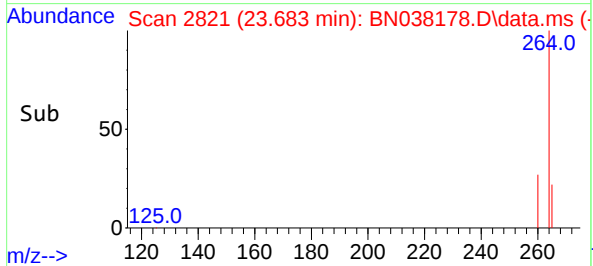
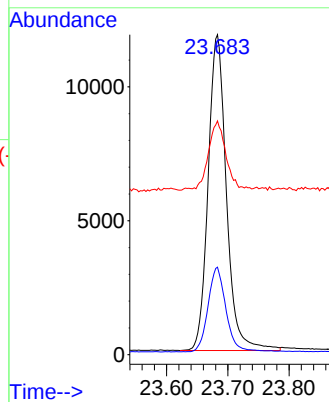
Tgt Ion:264 Resp: 24475

Ion	Ratio	Lower	Upper
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264	100		
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260	27.3	21.8	32.8
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265	73.1	68.6	102.8
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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.: Q3552Instrument 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) SURRFluoranthene-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-----								

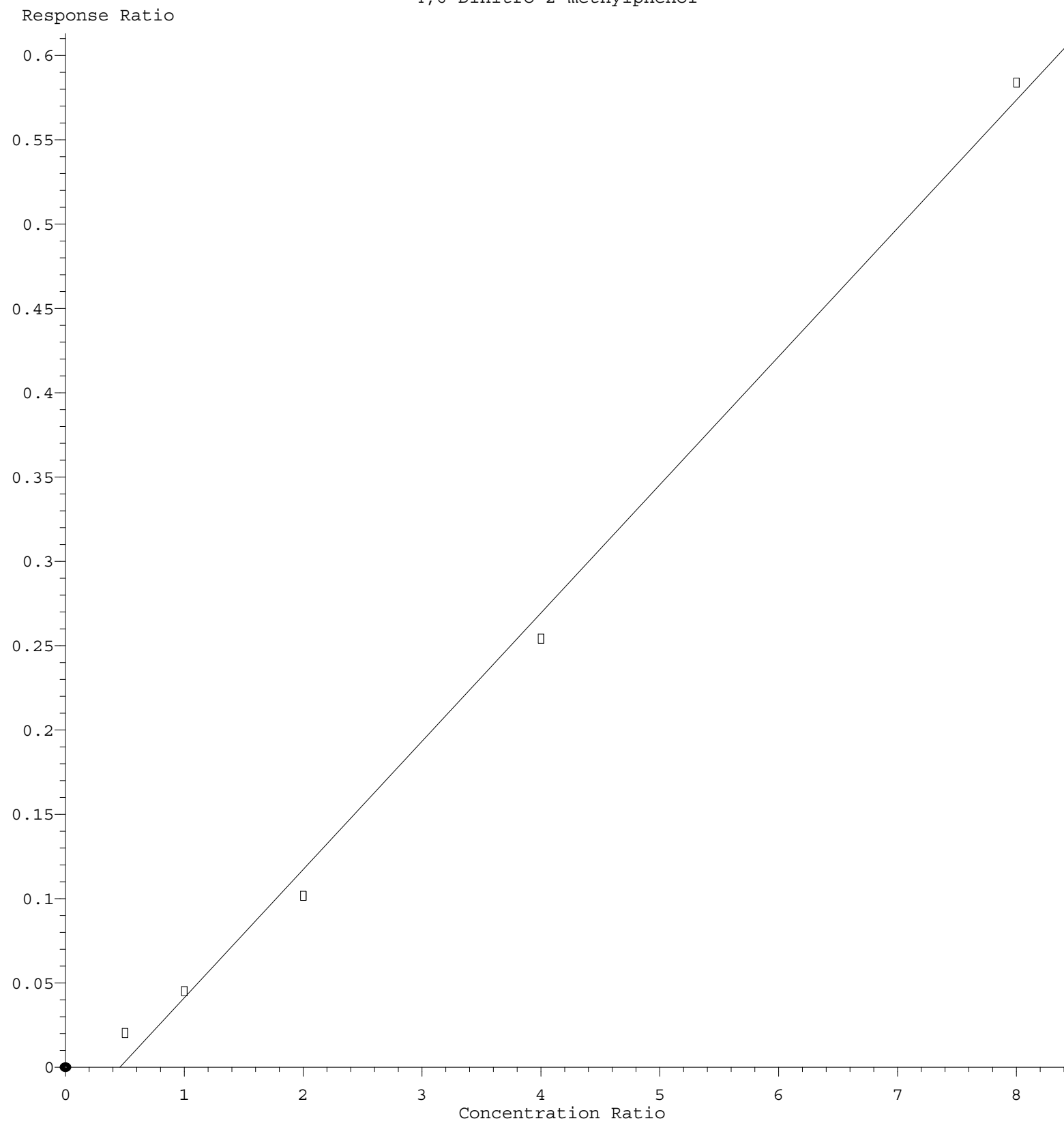
Method Path : Z:\svoasrv\HPCHEM1\BNA_N\Methods\

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



$\text{Response} = 7.609\text{e-}002 * \text{Amt} - 3.487\text{e-}002$
 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)

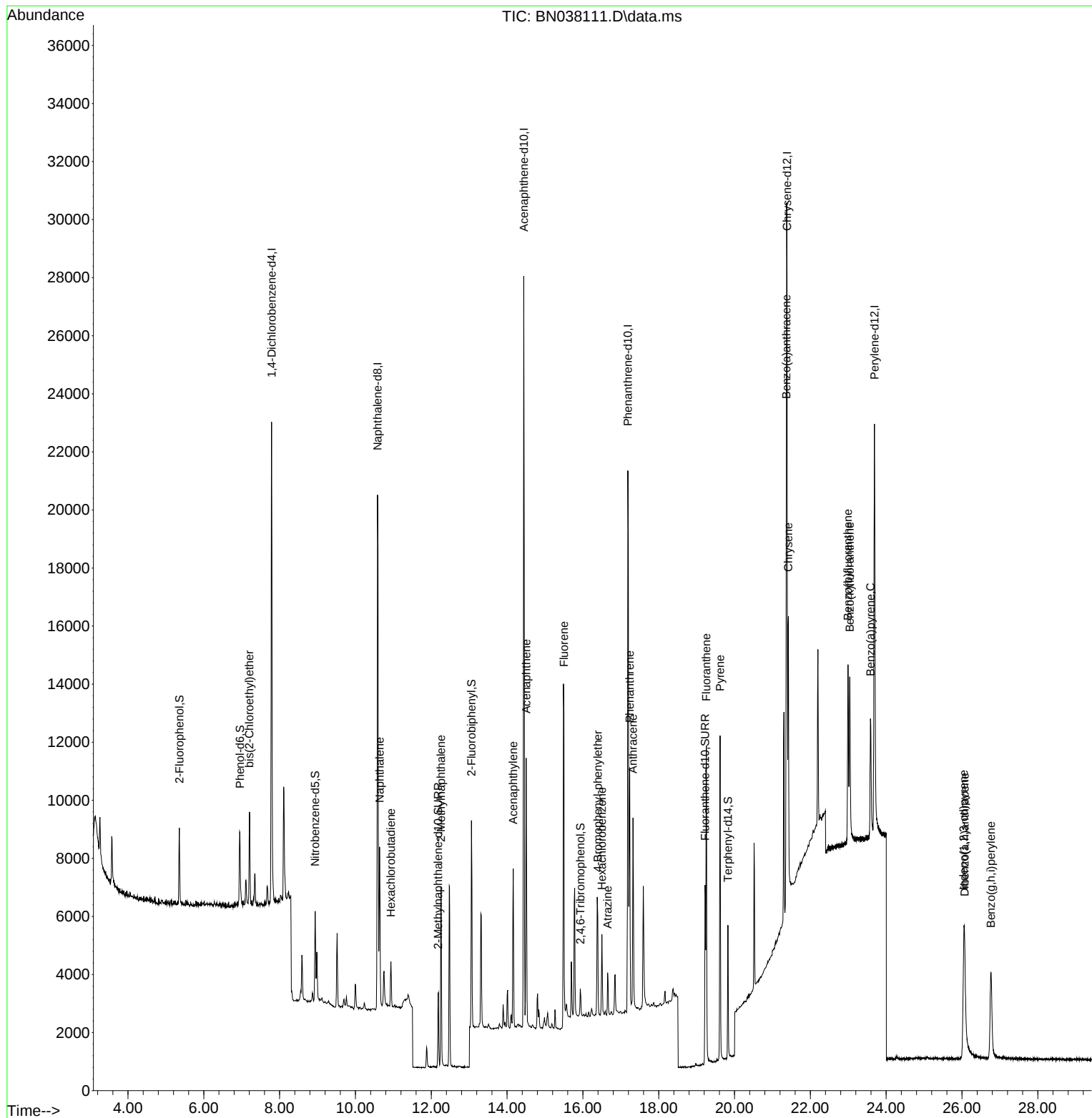
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.789	152	8239	0.400	ng	0.01
7) Naphthalene-d8	10.584	136	24762	0.400	ng	# 0.01
13) Acenaphthene-d10	14.441	164	14233	0.400	ng	0.01
19) Phenanthrene-d10	17.186	188	28114	0.400	ng	# 0.00
29) Chrysene-d12	21.384	240	22622	0.400	ng	0.00
35) Perylene-d12	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

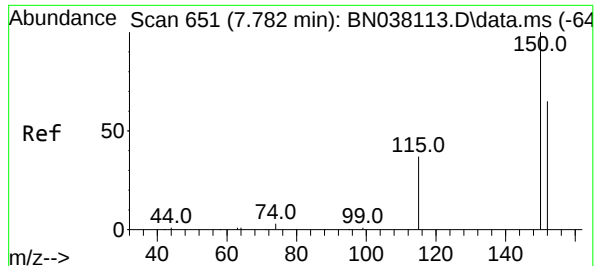
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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

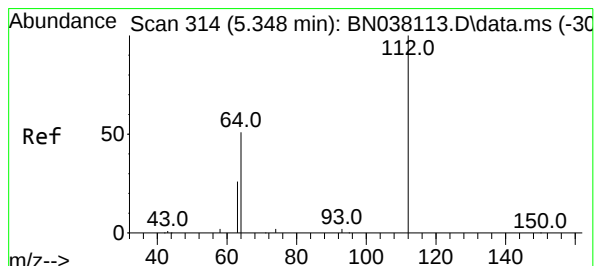
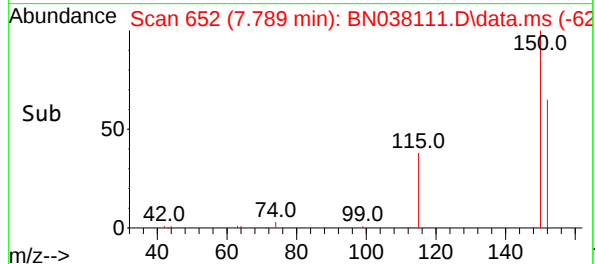
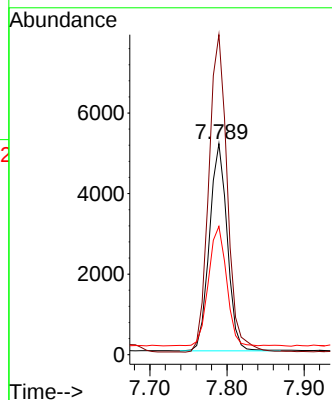
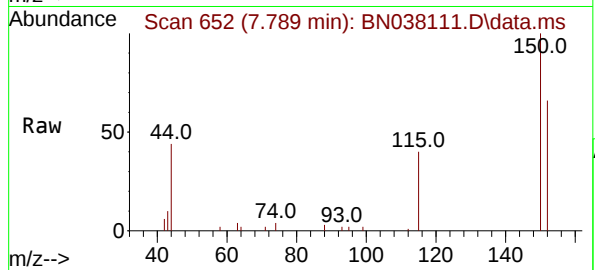




#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.789 min Scan# 61
Delta R.T. 0.014 min
Lab File: BN038111.D
Acq: 28 Oct 2025 13:00

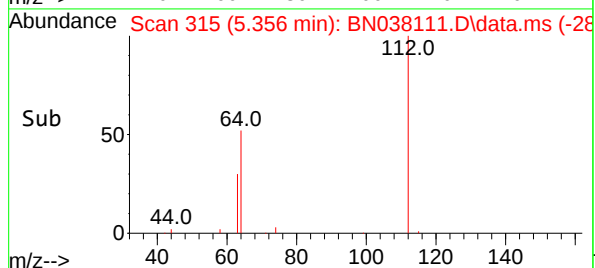
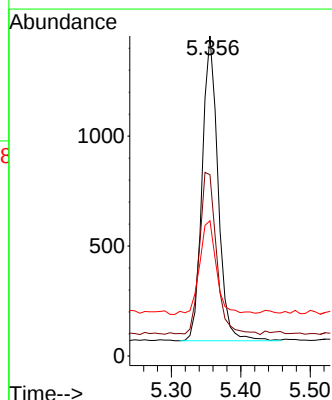
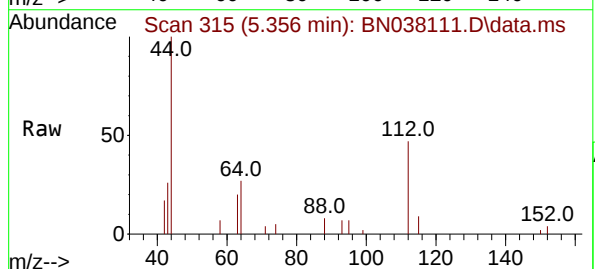
Instrument :
BNA_N
ClientSampleId :
SSTDICC0.1

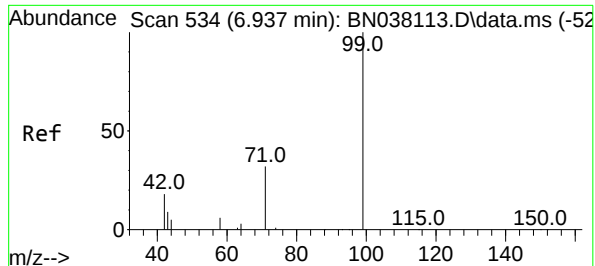
Tgt Ion:152 Resp: 8239
Ion Ratio Lower Upper
152 100
150 151.7 122.3 183.5
115 60.8 47.4 71.0



#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

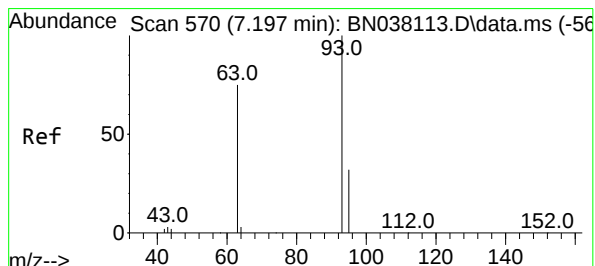
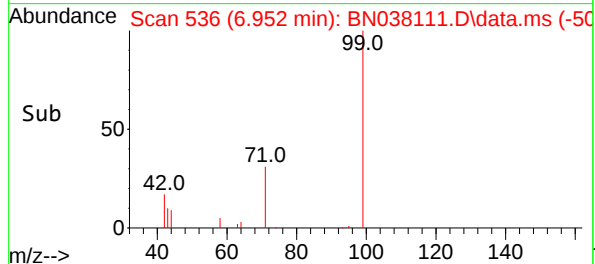
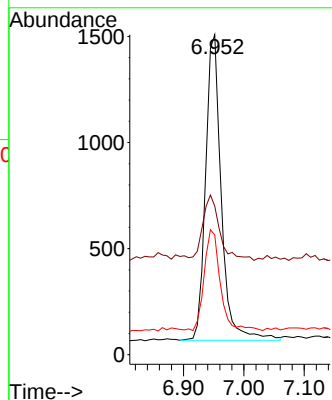
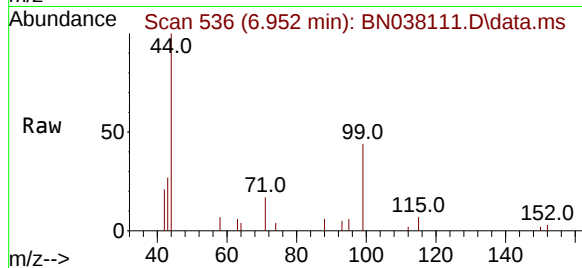




#5
Phenol-d6
Concen: 0.110 ng
RT: 6.952 min Scan# 511
Delta R.T. 0.015 min
Lab File: BN038111.D
Acq: 28 Oct 2025 13:00

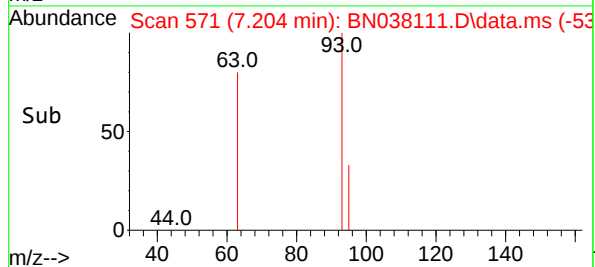
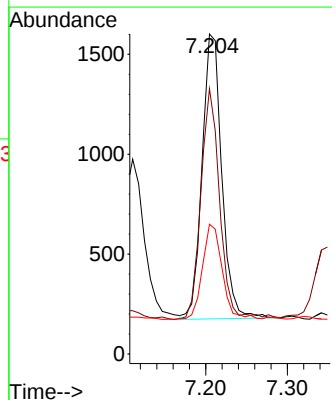
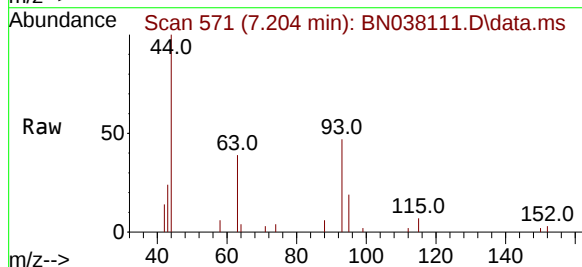
Instrument :
BNA_N
ClientSampleId :
SSTDICC0.1

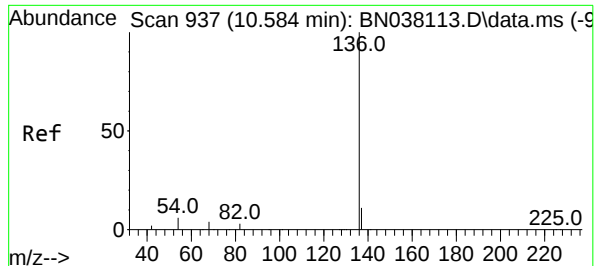
Tgt Ion: 99 Resp: 2608
Ion Ratio Lower Upper
99 100
42 23.4 16.6 24.8
71 34.0 25.4 38.2



#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

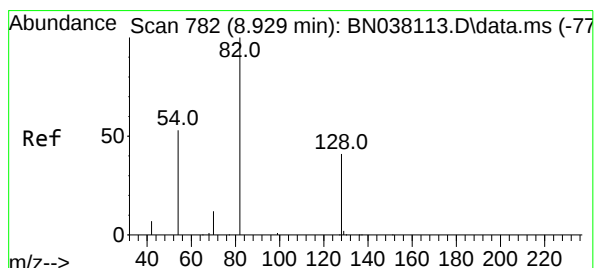
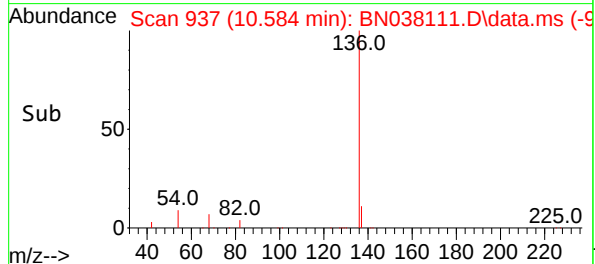
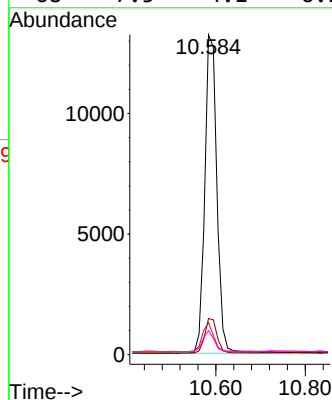
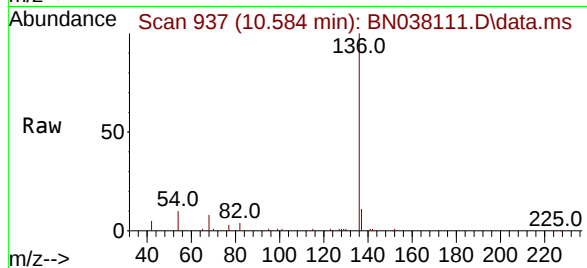
Ion Ratio Lower Upper

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

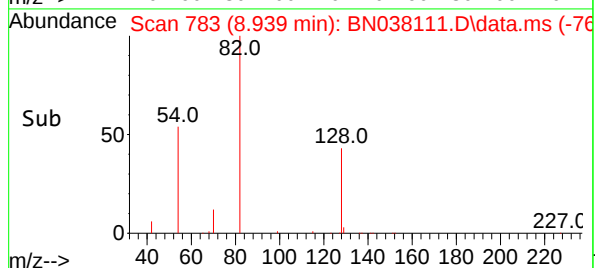
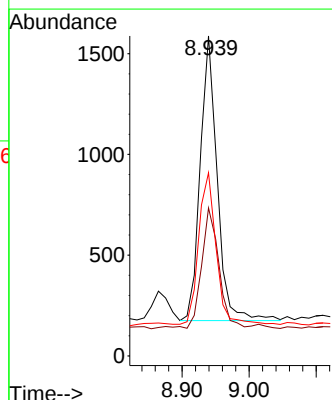
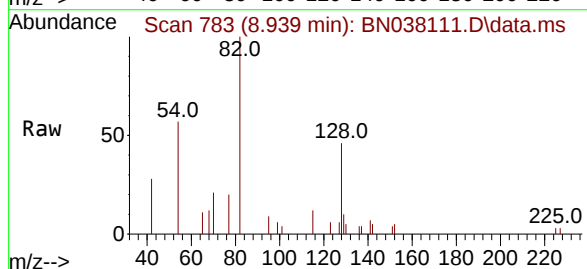
Tgt Ion: 82 Resp: 2497

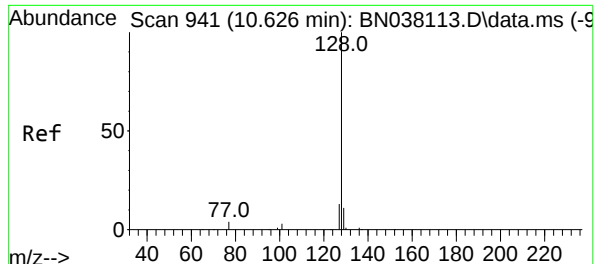
Ion Ratio Lower Upper

82 100

128 46.2 34.1 51.1

54 57.2 43.5 65.3

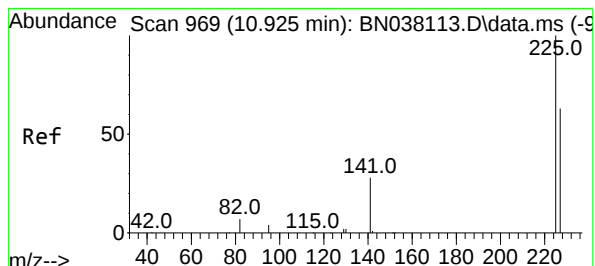
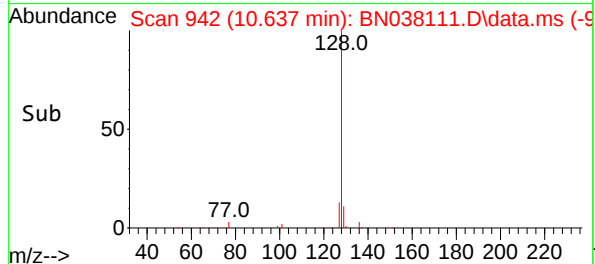
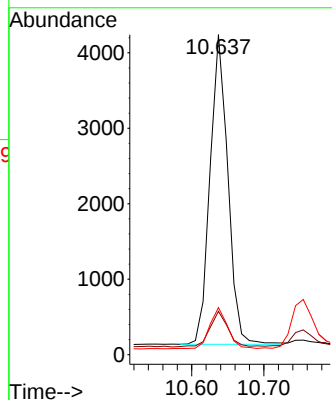
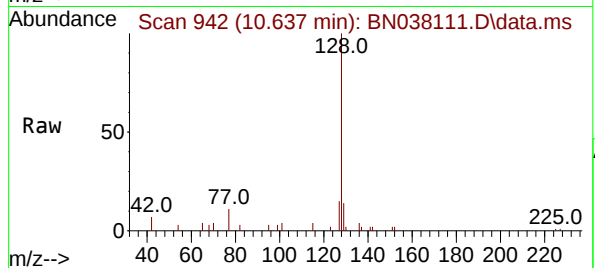




#9
Naphthalene
Concen: 0.103 ng
RT: 10.637 min Scan# 941
Delta R.T. 0.011 min
Lab File: BN038111.D
Acq: 28 Oct 2025 13:00

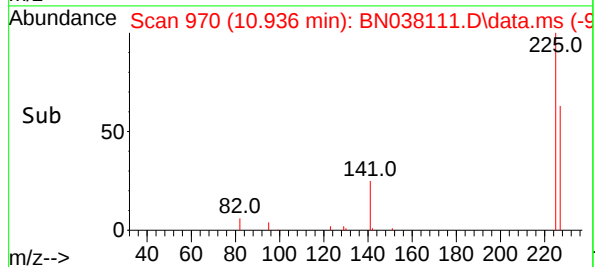
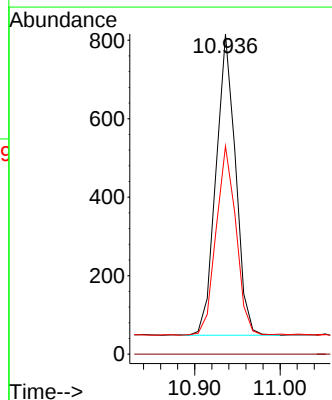
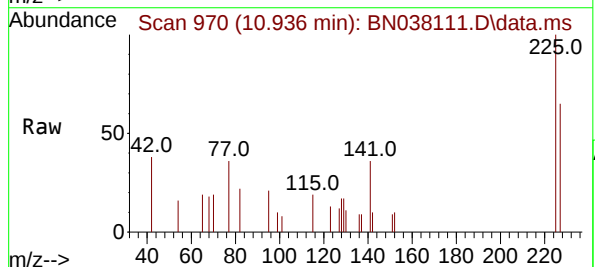
Instrument :
BNA_N
ClientSampleId :
SSTDICC0.1

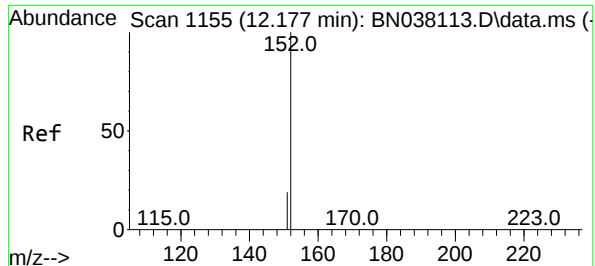
Tgt Ion:128 Resp: 7049
Ion Ratio Lower Upper
128 100
129 13.5 9.1 13.7
127 14.7 10.5 15.7



#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

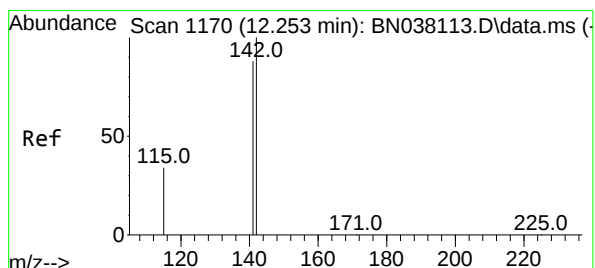
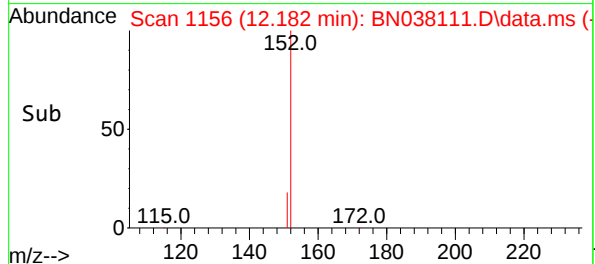
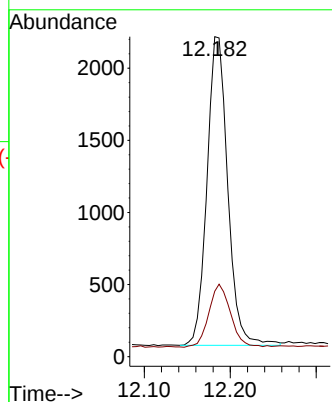
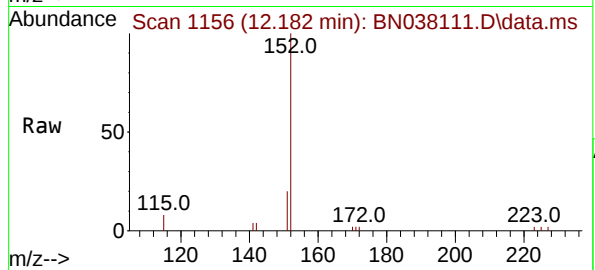




#11
2-Methylnaphthalene-d10
Concen: 0.102 ng
RT: 12.182 min Scan# 1156
Delta R.T. 0.005 min
Lab File: BN038111.D
Acq: 28 Oct 2025 13:00

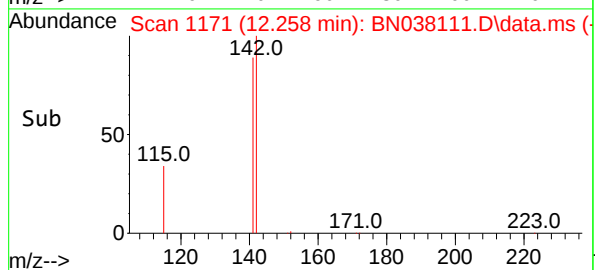
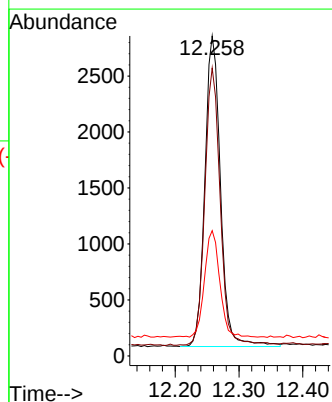
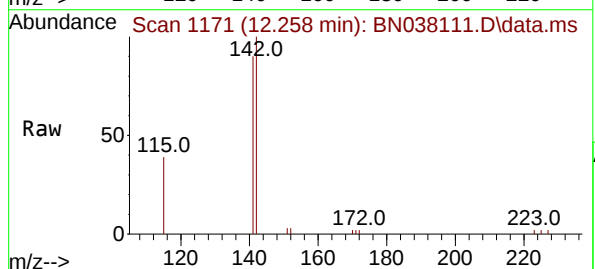
Instrument :
BNA_N
ClientSampleId :
SSTDICC0.1

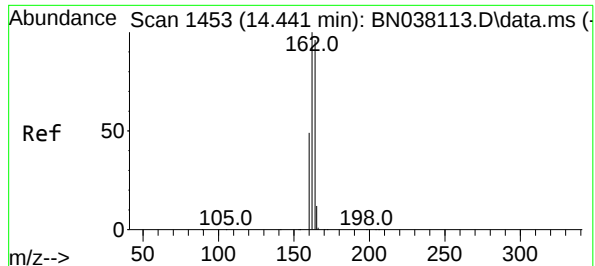
Tgt Ion:152 Resp: 3595
Ion Ratio Lower Upper
152 100
151 21.4 16.8 25.2



#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

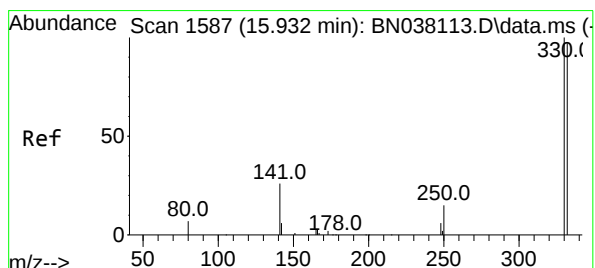
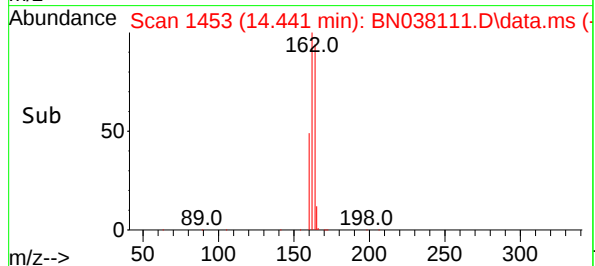
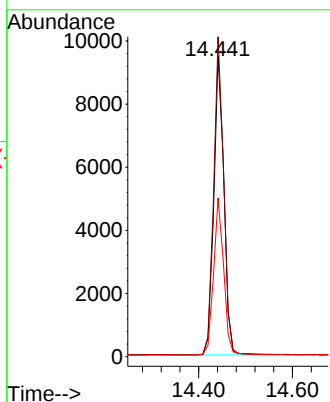
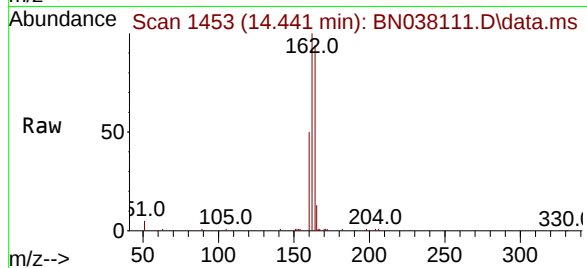




#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.441 min Scan# 1453
Delta R.T. 0.011 min
Lab File: BN038111.D
Acq: 28 Oct 2025 13:00

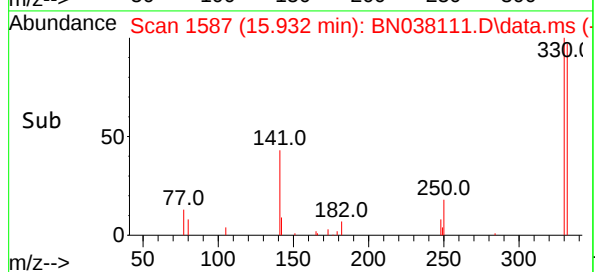
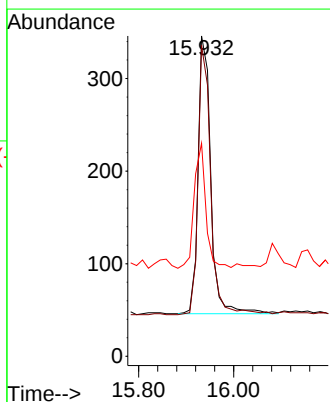
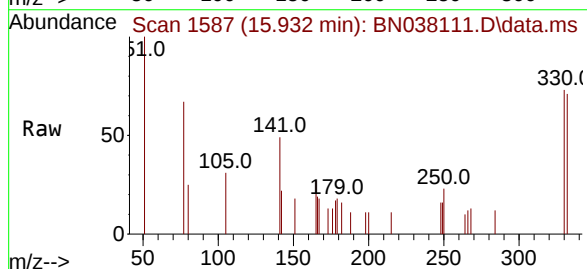
Instrument :
BNA_N
ClientSampleId :
SSTDICC0.1

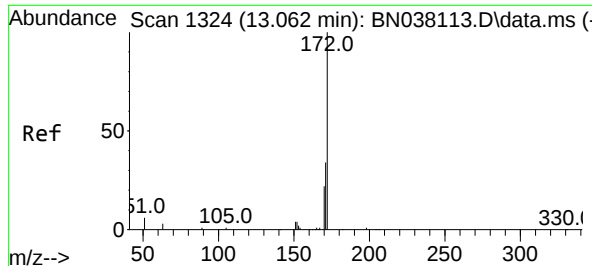
Tgt Ion:164 Resp: 14233
Ion Ratio Lower Upper
164 100
162 106.3 83.0 124.4
160 52.7 40.7 61.1



#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

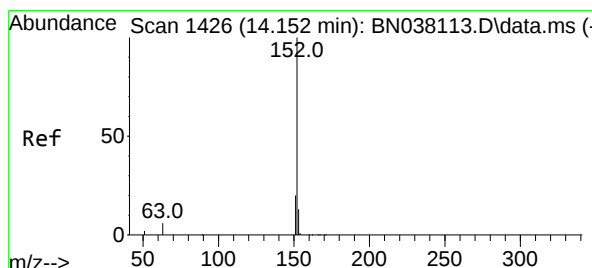
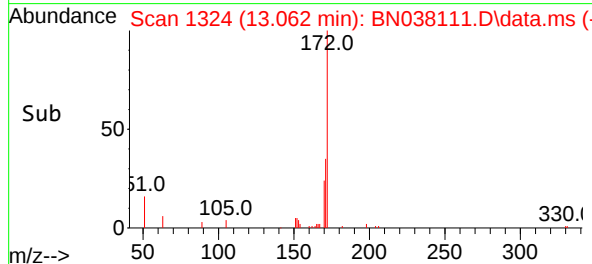
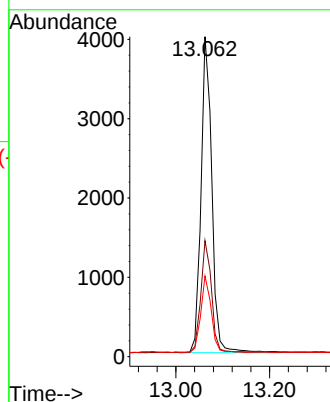
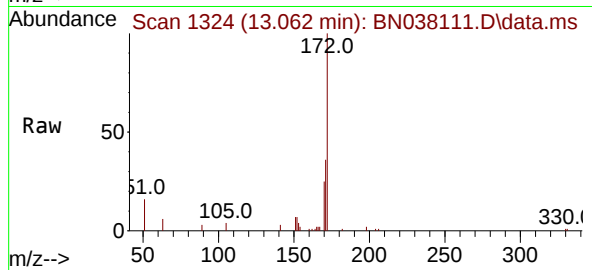




#15
2-Fluorobiphenyl
Concen: 0.112 ng
RT: 13.062 min Scan# 11
Delta R.T. 0.011 min
Lab File: BN038111.D
Acq: 28 Oct 2025 13:00

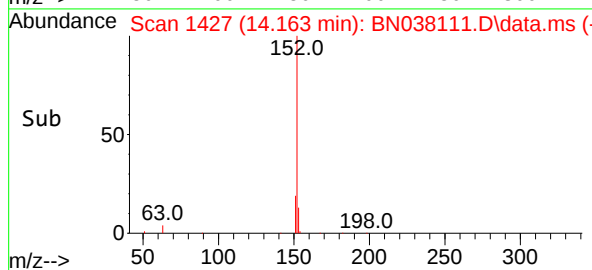
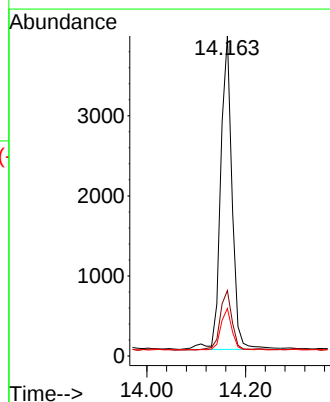
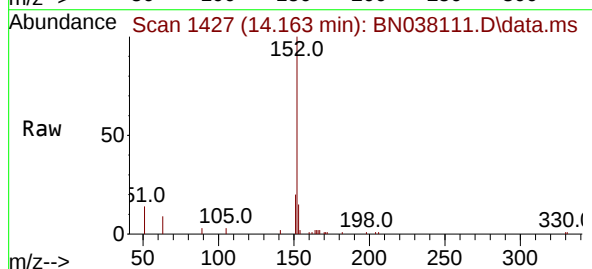
Instrument :
BNA_N
ClientSampleId :
SSTDICC0.1

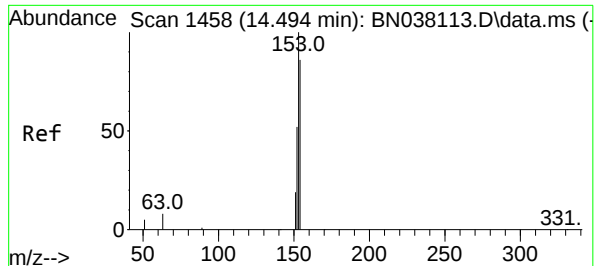
Tgt Ion:172 Resp: 6383
Ion Ratio Lower Upper
172 100
171 36.2 27.8 41.6
170 25.2 18.1 27.1



#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

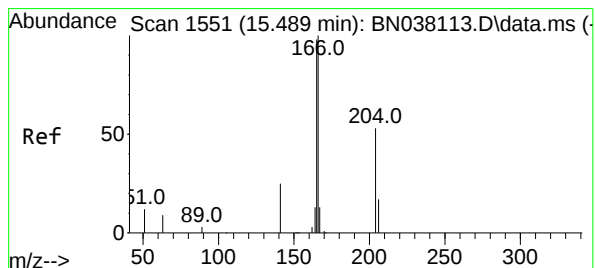
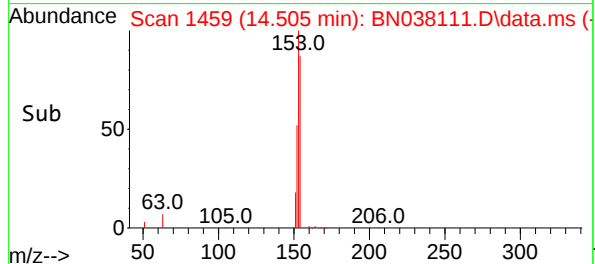
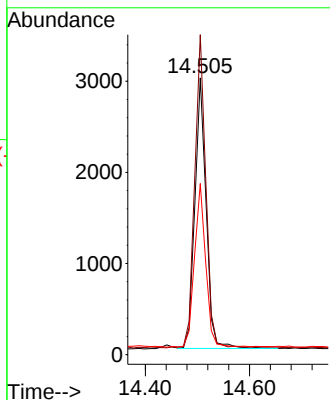
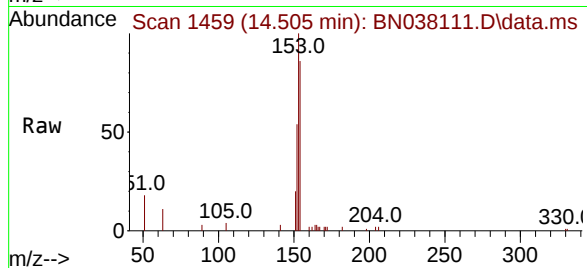




#17
Acenaphthene
Concen: 0.099 ng
RT: 14.505 min Scan# 1459
Delta R.T. 0.011 min
Lab File: BN038111.D
Acq: 28 Oct 2025 13:00

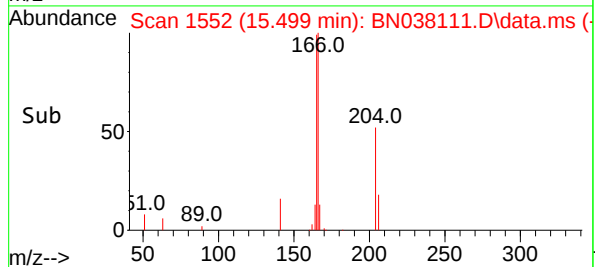
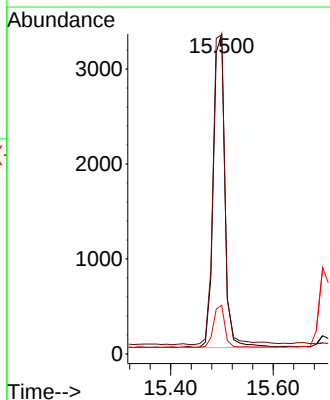
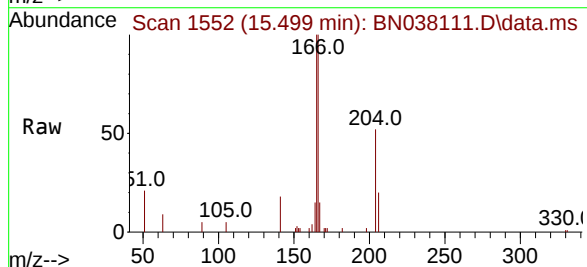
Instrument :
BNA_N
ClientSampleId :
SSTDICC0.1

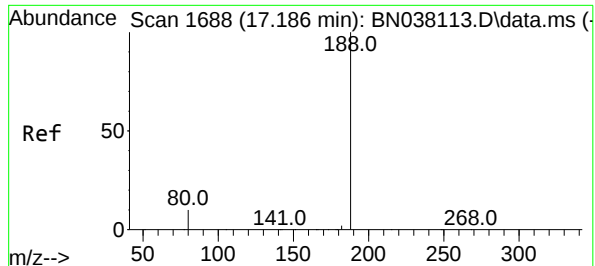
Tgt Ion:154 Resp: 4482
Ion Ratio Lower Upper
154 100
153 114.1 90.0 135.0
152 60.7 47.3 70.9



#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

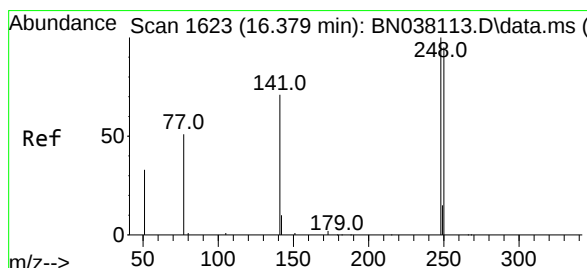
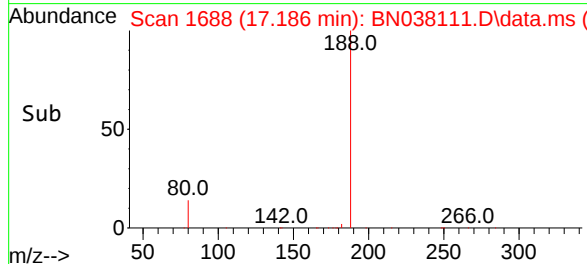
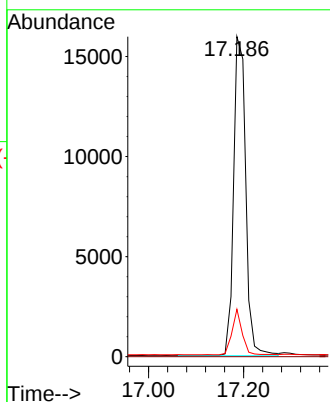
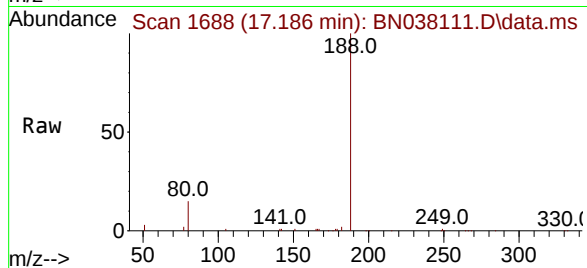
Tgt Ion:188 Resp: 28114

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

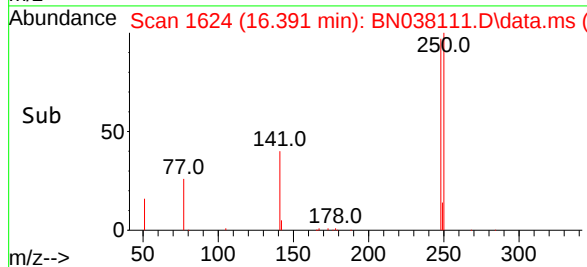
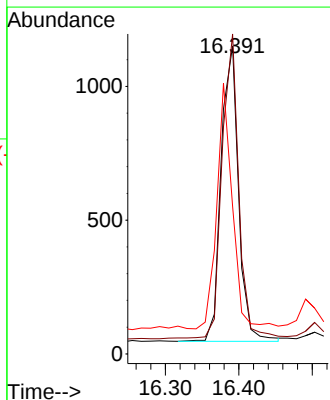
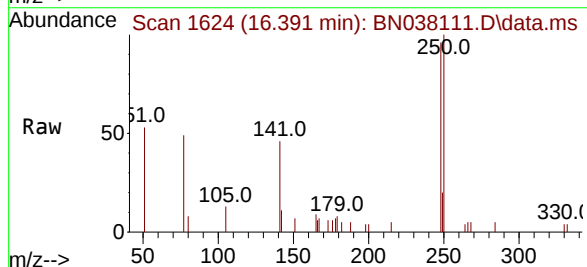
Tgt Ion:248 Resp: 1824

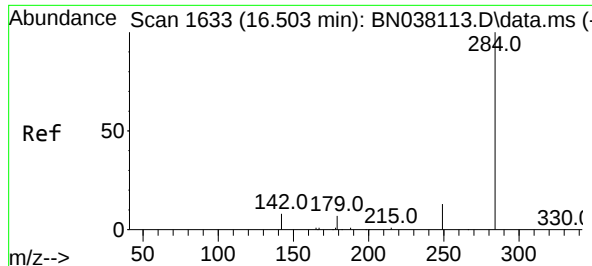
Ion Ratio Lower Upper

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

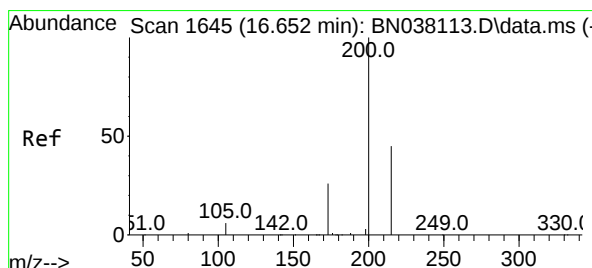
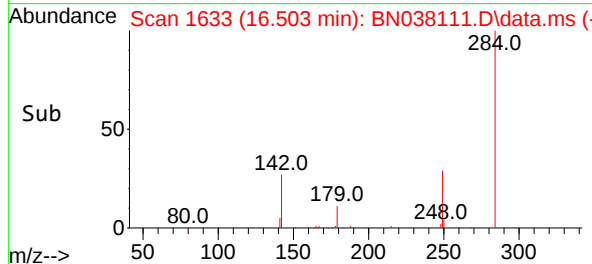
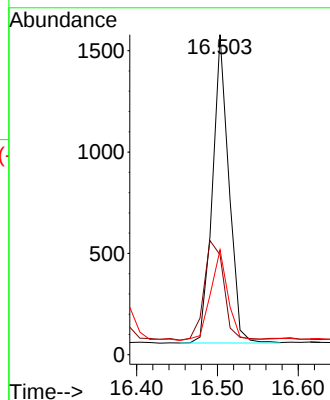
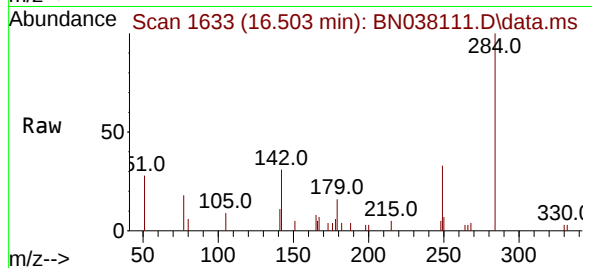
Tgt Ion:284 Resp: 2137

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

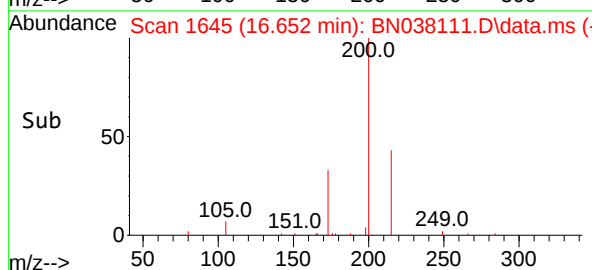
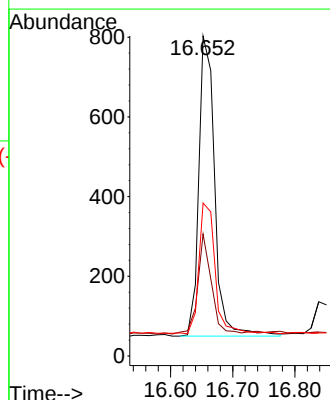
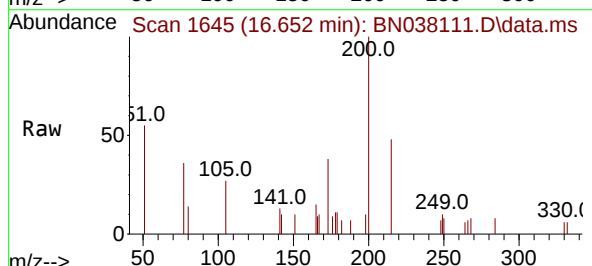
Tgt Ion:200 Resp: 1338

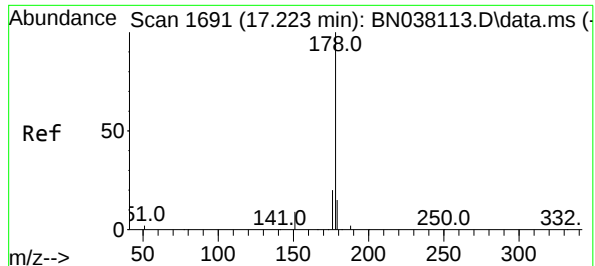
Ion Ratio Lower Upper

200 100

173 38.1 21.4 32.2#

215 47.8 36.7 55.1

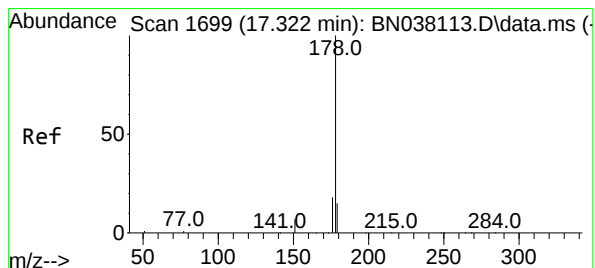
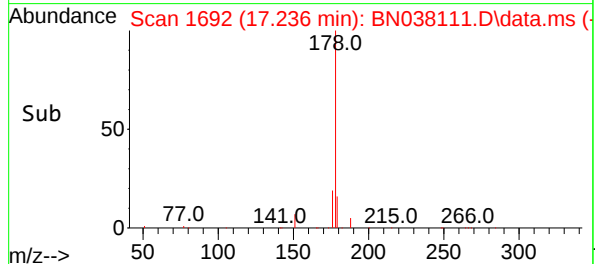
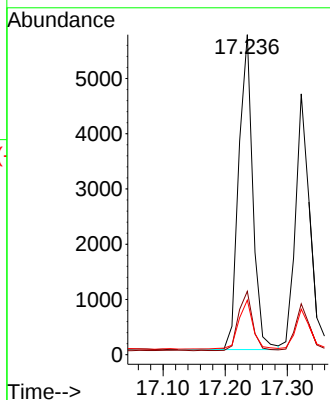
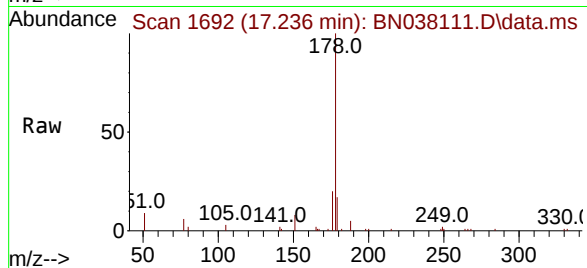




#25
Phenanthrene
Concen: 0.101 ng
RT: 17.236 min Scan# 1692
Delta R.T. 0.012 min
Lab File: BN038111.D
Acq: 28 Oct 2025 13:00

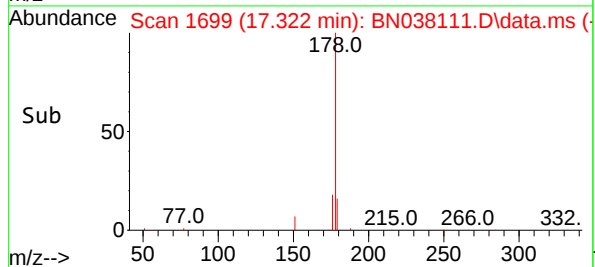
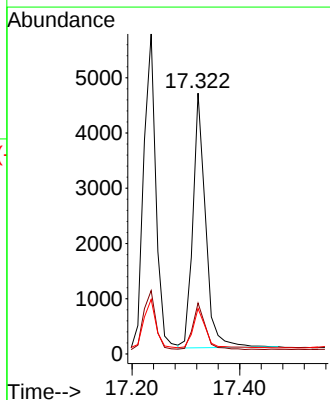
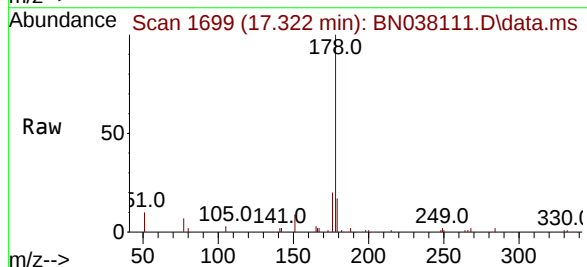
Instrument :
BNA_N
ClientSampleId :
SSTDICC0.1

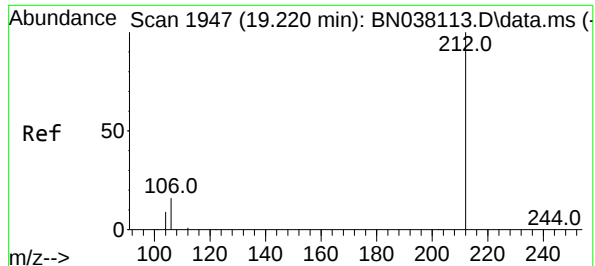
Tgt Ion:178 Resp: 9006
Ion Ratio Lower Upper
178 100
176 19.0 15.5 23.3
179 15.8 12.2 18.4



#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

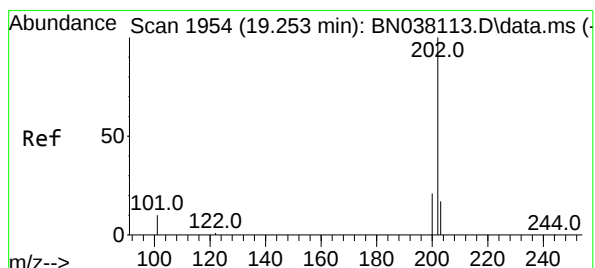
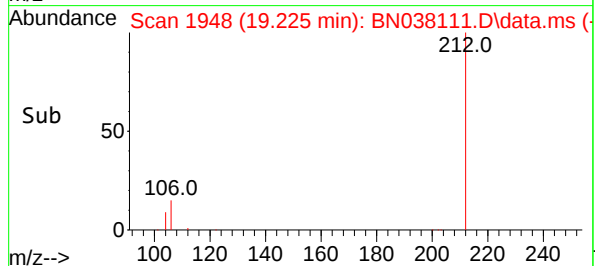
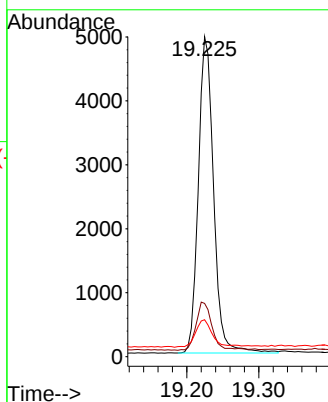
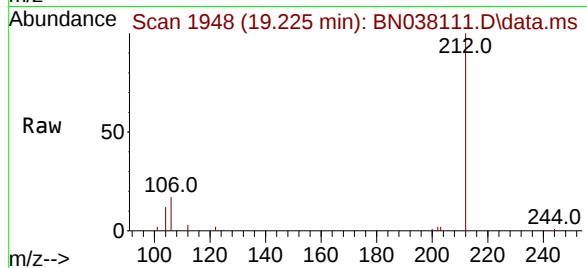
Tgt Ion:212 Resp: 7307

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

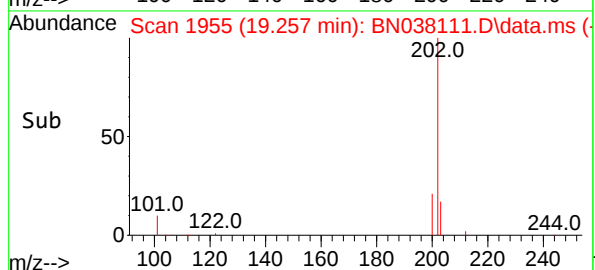
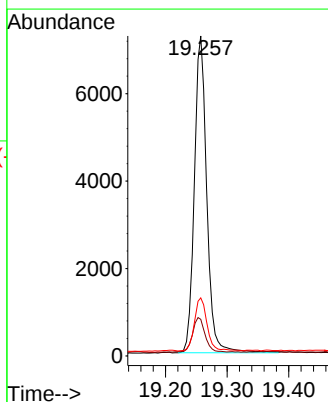
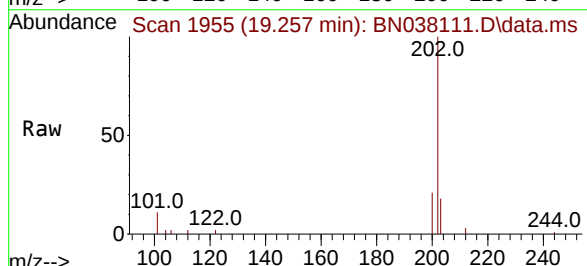
Tgt Ion:202 Resp: 10174

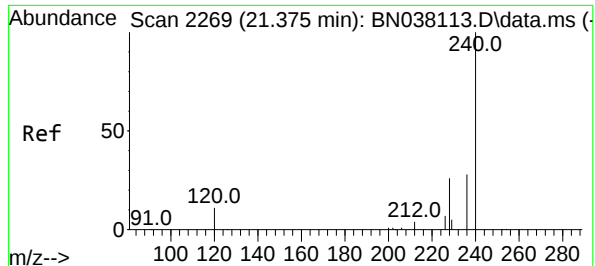
Ion Ratio Lower Upper

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

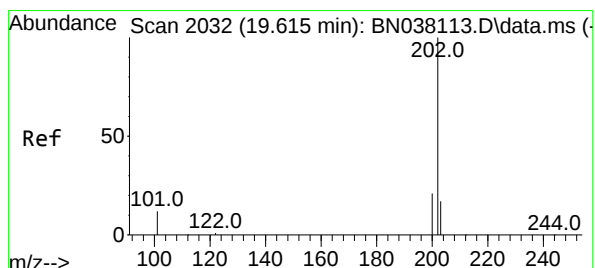
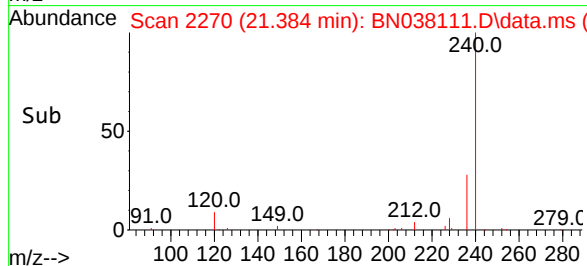
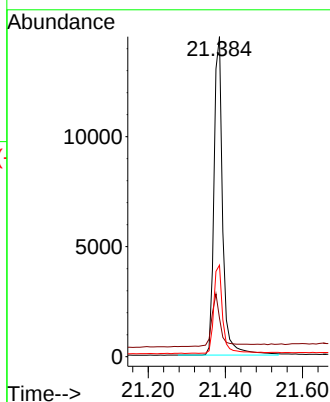
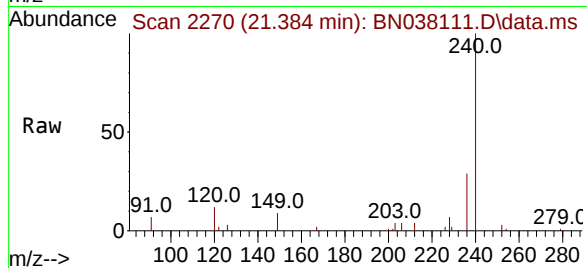
Tgt Ion:240 Resp: 22622

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

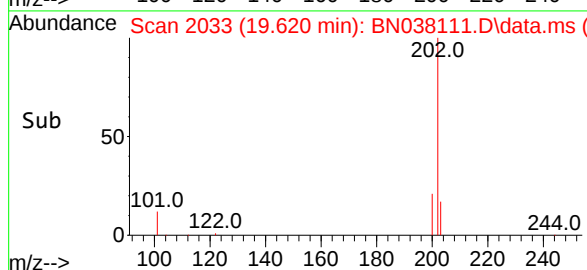
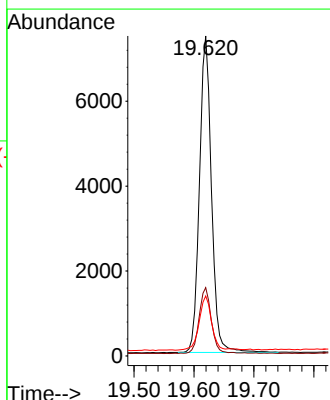
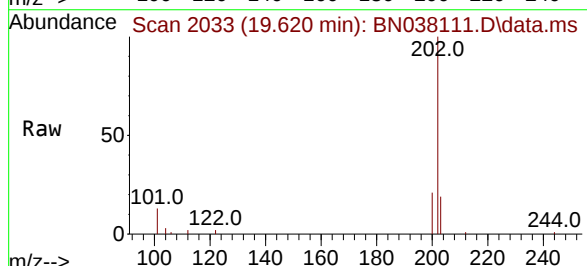
Tgt Ion:202 Resp: 10370

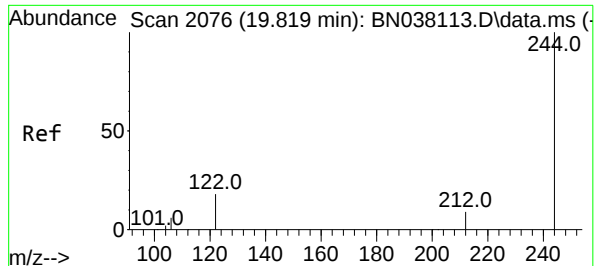
Ion Ratio Lower Upper

202 100

200 21.3 16.7 25.1

203 18.0 14.2 21.2

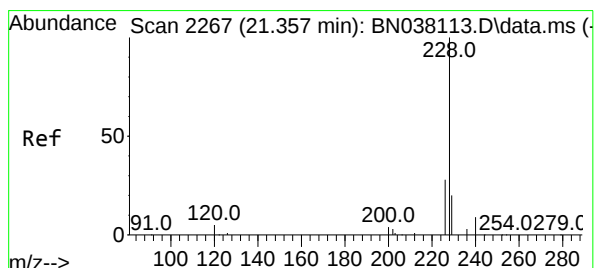
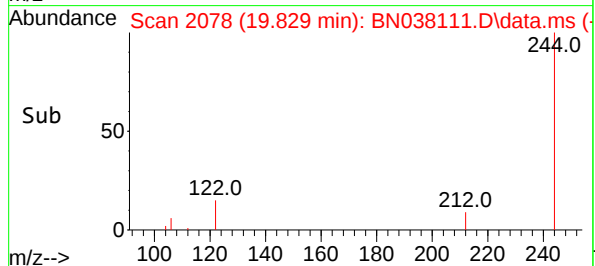
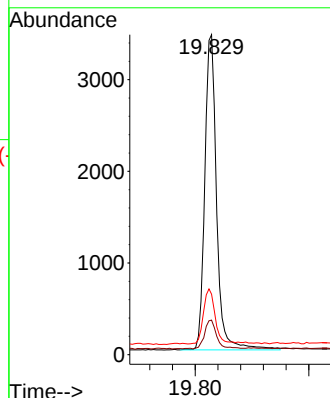
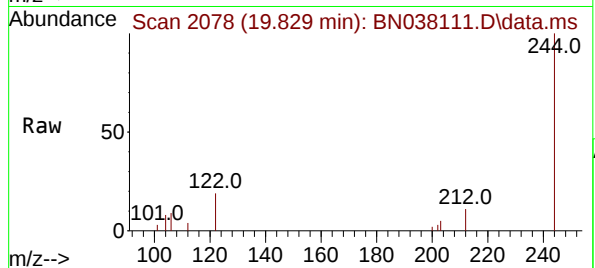




#31
Terphenyl-d14
Concen: 0.101 ng
RT: 19.829 min Scan# 2076
Delta R.T. 0.009 min
Lab File: BN038111.D
Acq: 28 Oct 2025 13:00

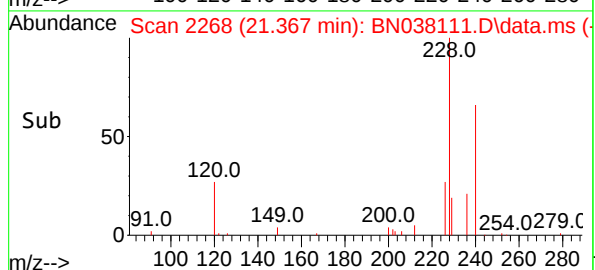
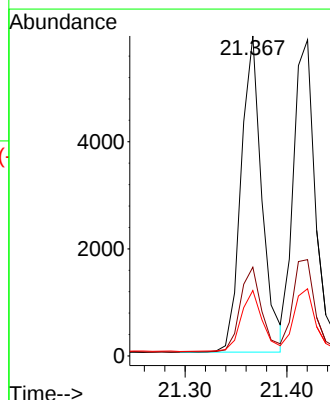
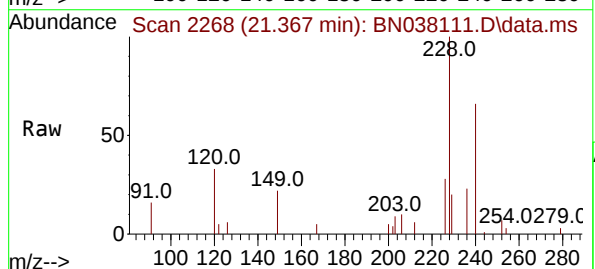
Instrument :
BNA_N
ClientSampleId :
SSTDICC0.1

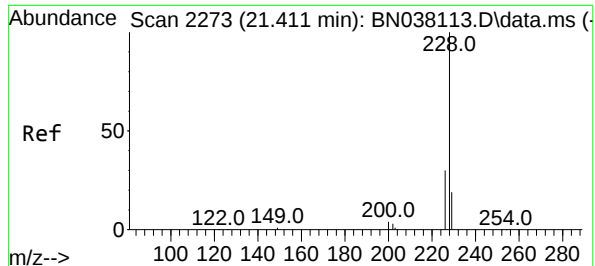
Tgt Ion:244 Resp: 4967
Ion Ratio Lower Upper
244 100
212 10.8 7.8 11.6
122 18.9 15.2 22.8



#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

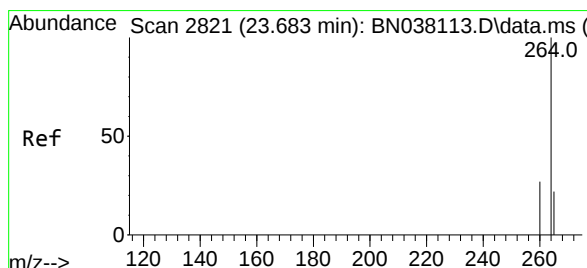
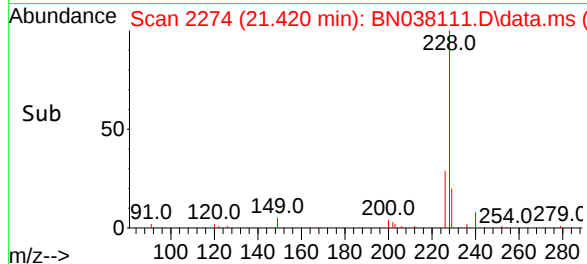
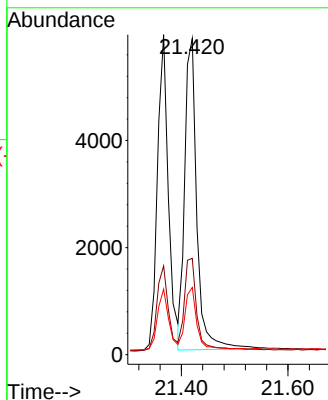
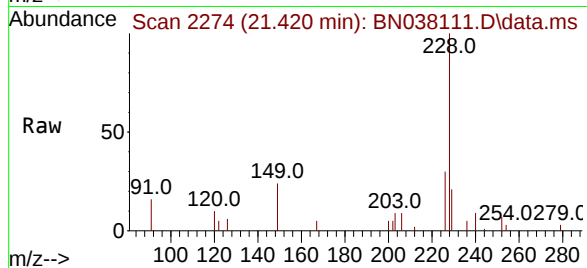




#33
Chrysene
Concen: 0.105 ng
RT: 21.420 min Scan# 21
Delta R.T. 0.009 min
Lab File: BN038111.D
Acq: 28 Oct 2025 13:00

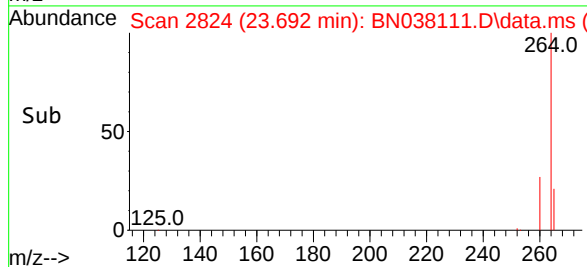
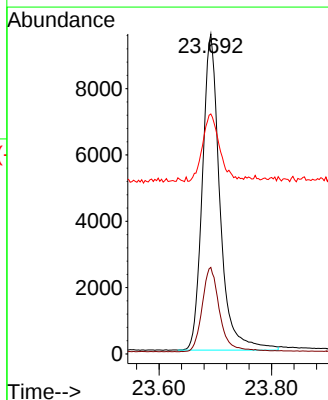
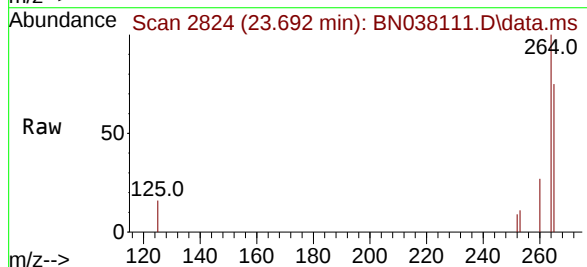
Instrument :
BNA_N
ClientSampleId :
SSTDICC0.1

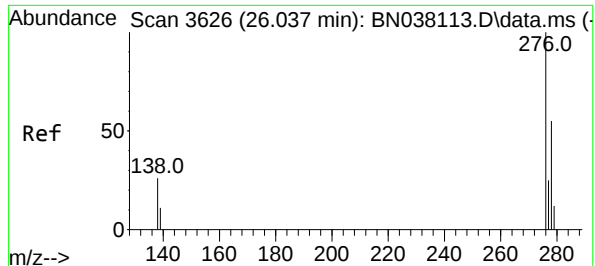
Tgt Ion:228 Resp: 9181
Ion Ratio Lower Upper
228 100
226 30.5 24.3 36.5
229 21.3 15.7 23.5



#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 :

SSTDIC0.1

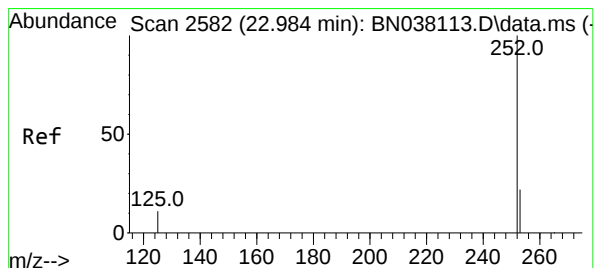
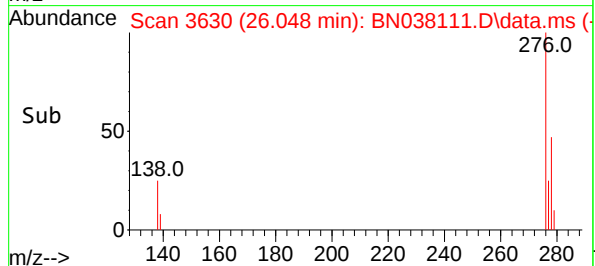
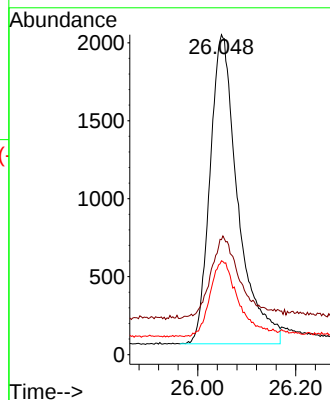
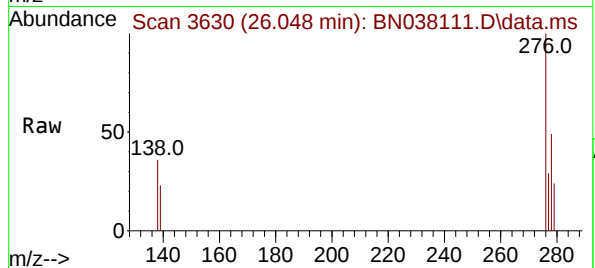
Tgt Ion:276 Resp: 7839

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

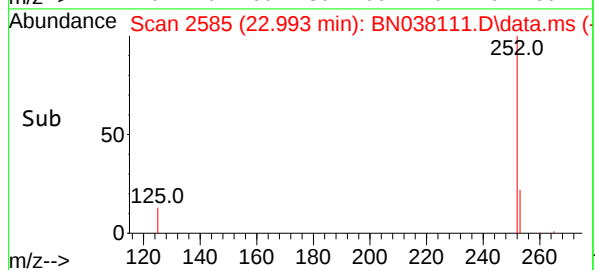
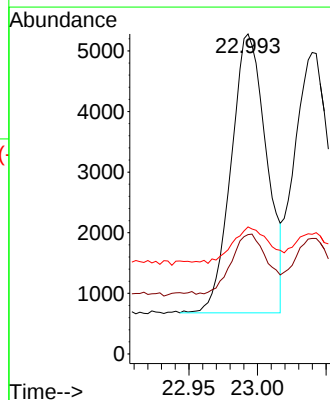
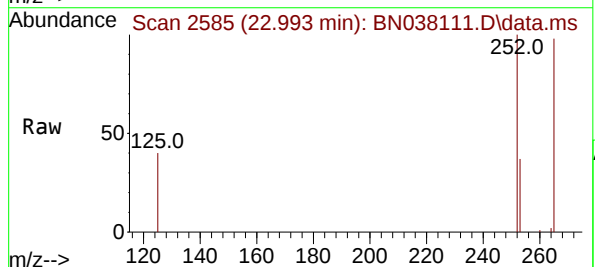
Tgt Ion:252 Resp: 8261

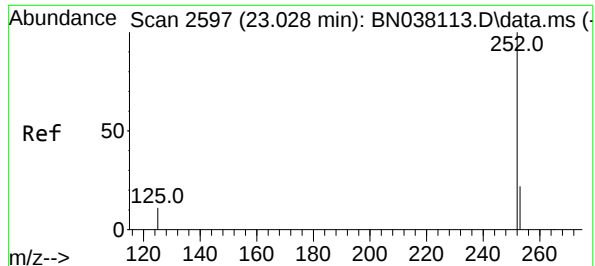
Ion Ratio Lower Upper

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

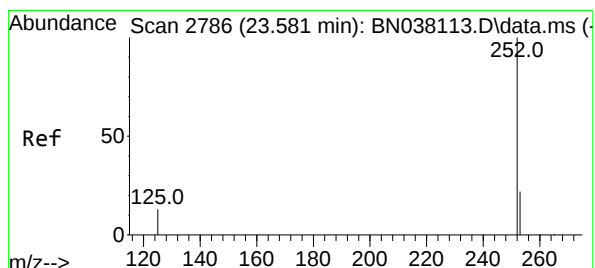
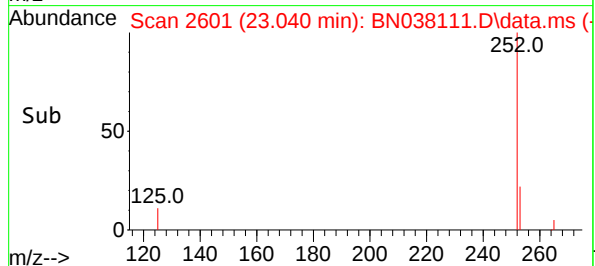
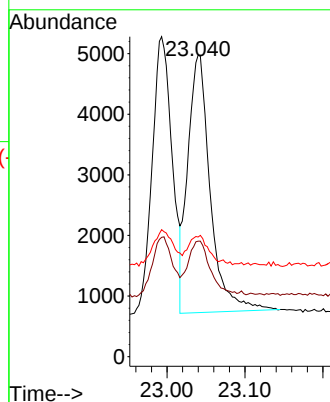
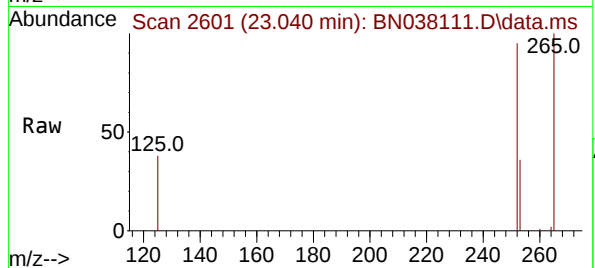
Tgt Ion:252 Resp: 8515

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

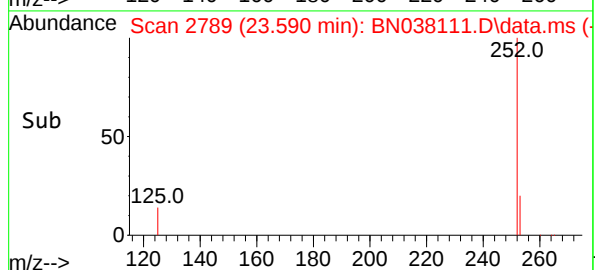
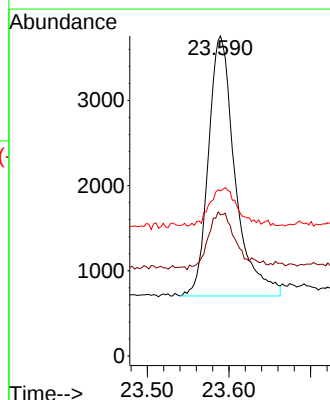
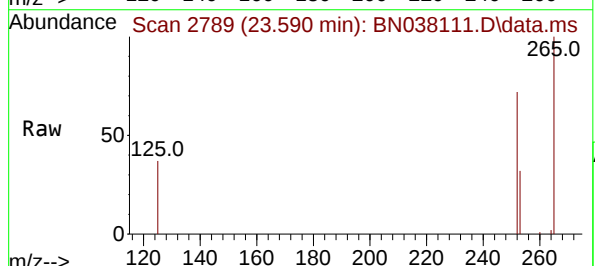
Tgt Ion:252 Resp: 6927

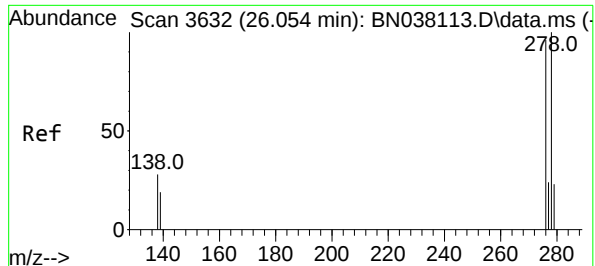
Ion Ratio Lower Upper

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

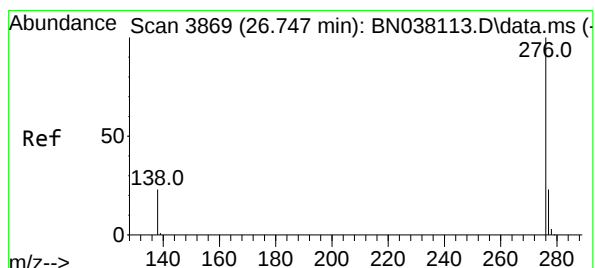
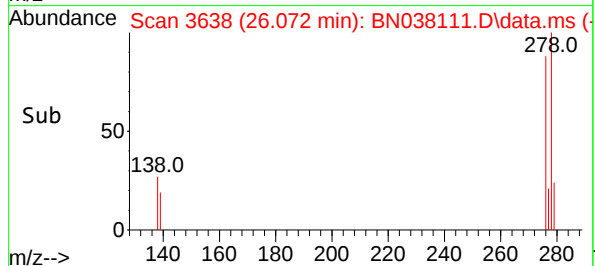
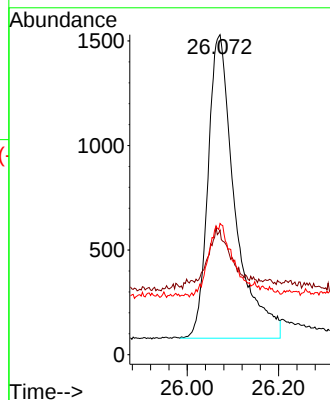
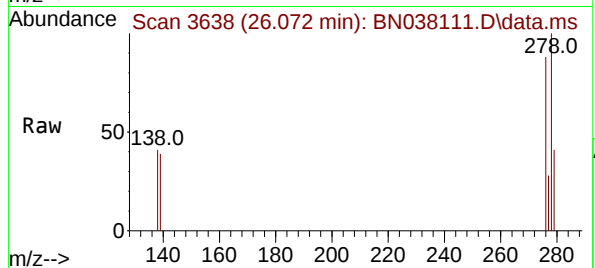
Tgt Ion:278 Resp: 5922

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

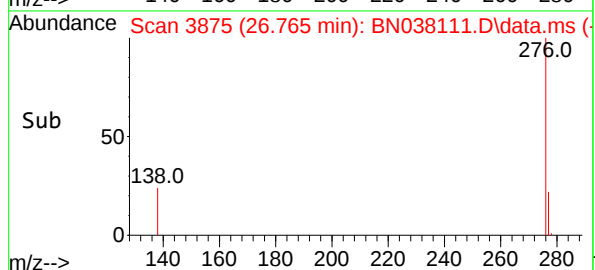
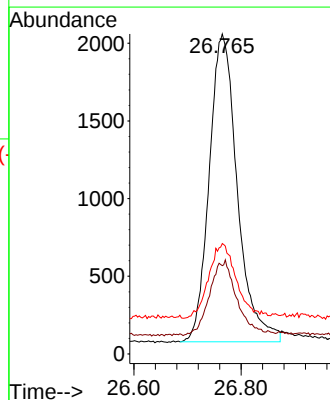
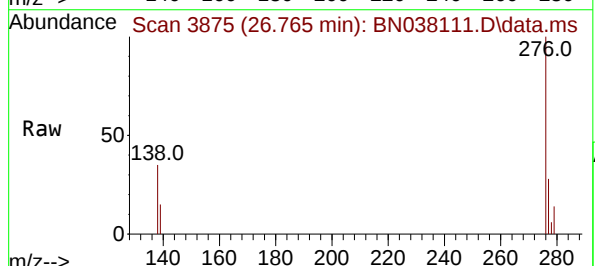
Tgt Ion:276 Resp: 7227

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

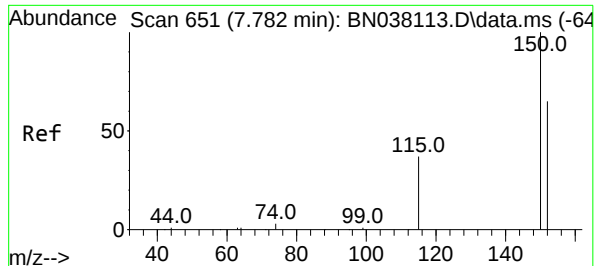
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 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN102825.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Oct 28 17:15:13 2025
 Response via : Initial Calibration

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

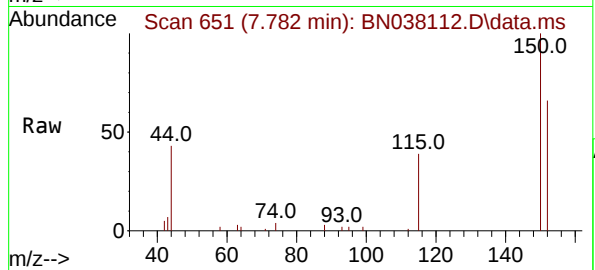
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.2

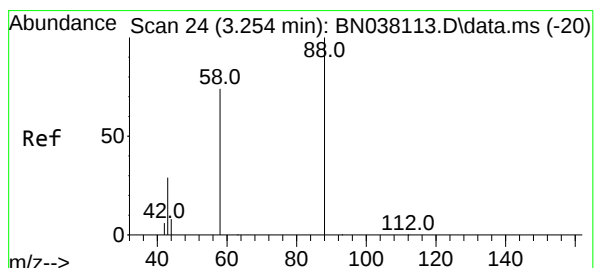
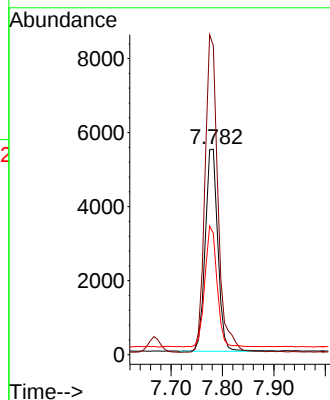
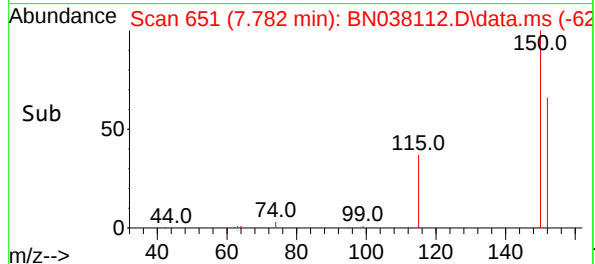


#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.782 min Scan# 61
Delta R.T. 0.007 min
Lab File: BN038112.D
Acq: 28 Oct 2025 13:36

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.2

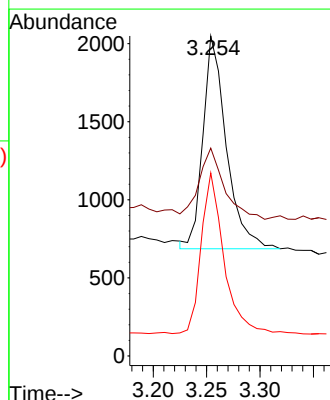
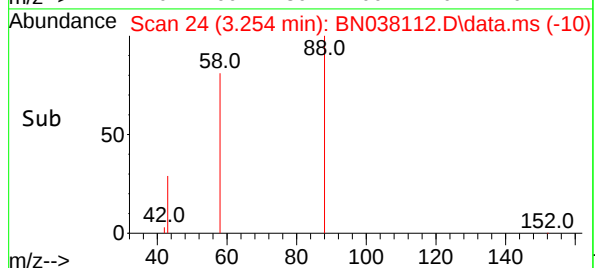
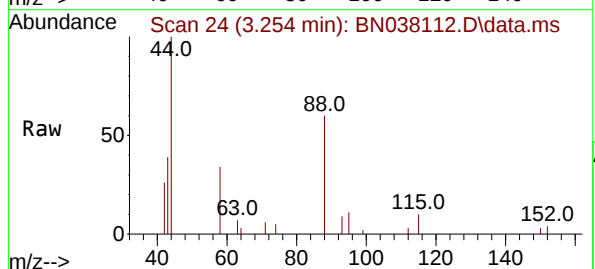


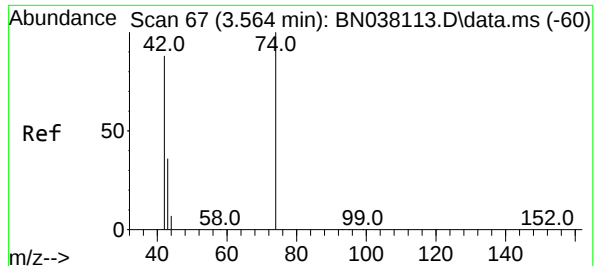
Tgt Ion:152 Resp: 9322
Ion Ratio Lower Upper
152 100
150 150.4 122.3 183.5
115 59.1 47.4 71.0



#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

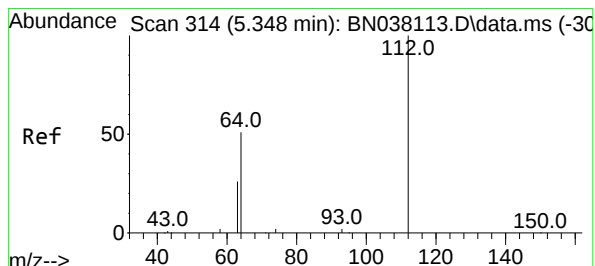
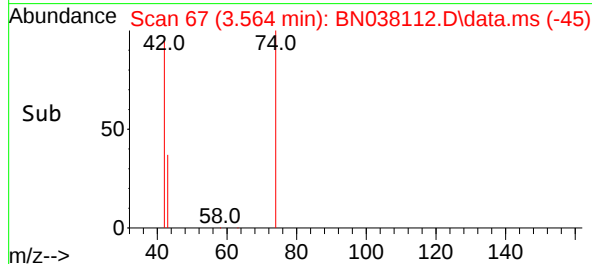
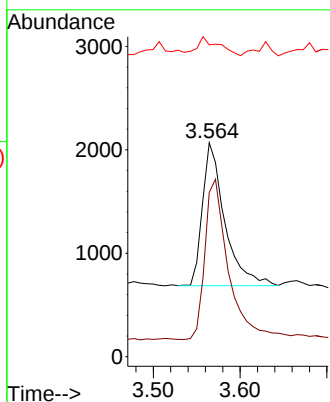
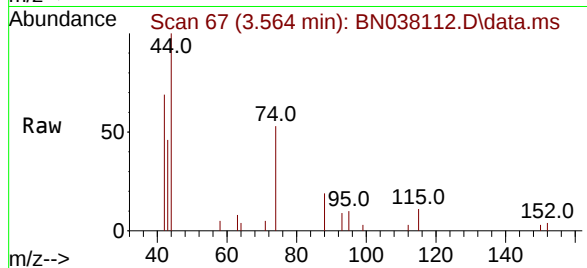




#3
n-Nitrosodimethylamine
Concen: 0.199 ng
RT: 3.564 min Scan# 61
Delta R.T. 0.007 min
Lab File: BN038112.D
Acq: 28 Oct 2025 13:36

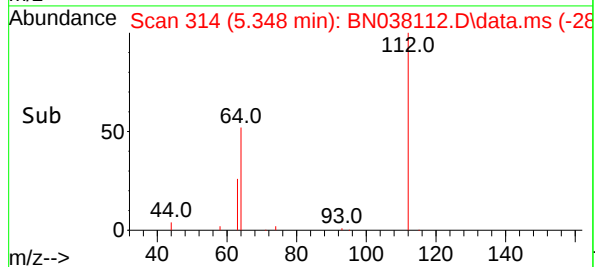
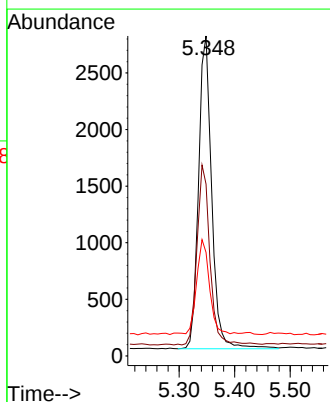
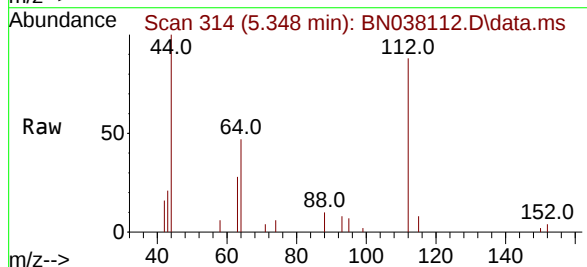
Instrument :
BNA_N
ClientSampleId :
SSTDICC0.2

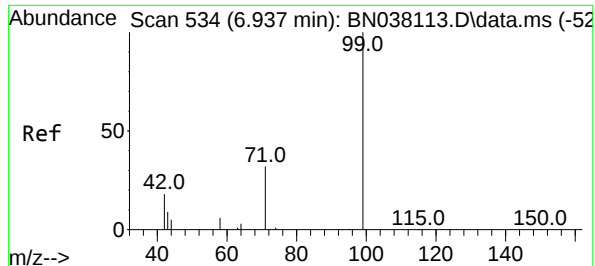
Tgt Ion: 42 Resp: 2463
Ion Ratio Lower Upper
42 100
74 121.8 96.8 145.2
44 12.3 5.3 7.9#



#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

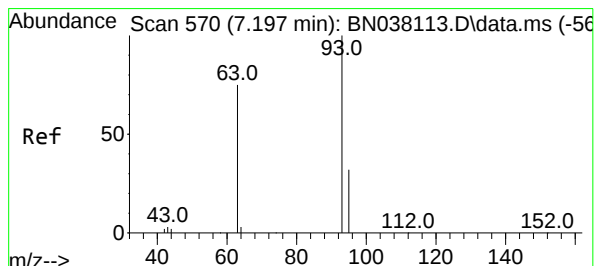
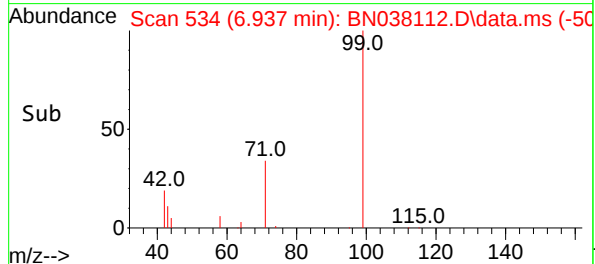
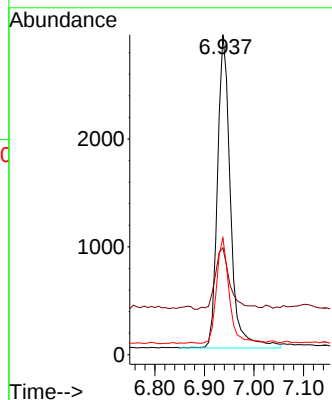
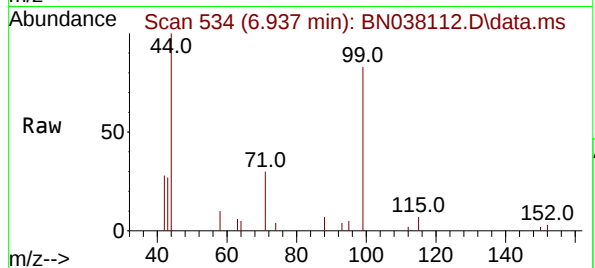




#5
Phenol-d6
Concen: 0.198 ng
RT: 6.937 min Scan# 51
Delta R.T. 0.000 min
Lab File: BN038112.D
Acq: 28 Oct 2025 13:36

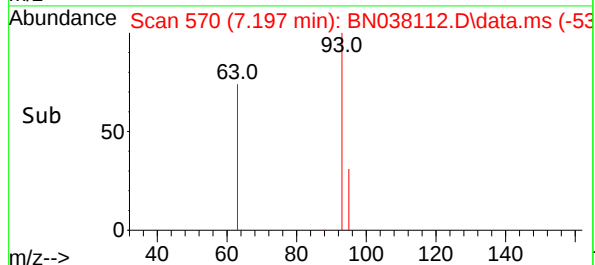
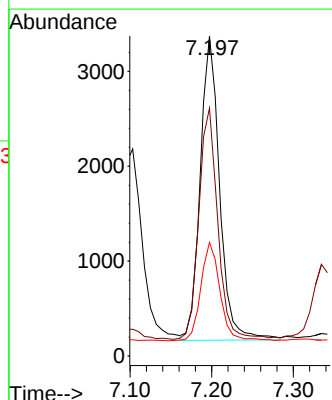
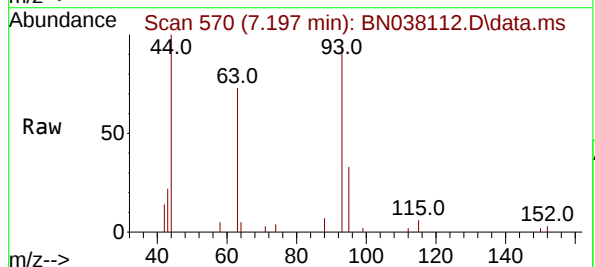
Instrument :
BNA_N
ClientSampleId :
SSTDICC0.2

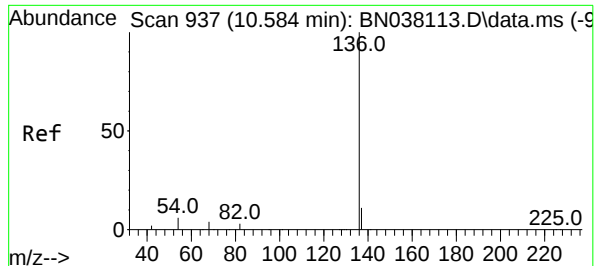
Tgt Ion: 99 Resp: 5284
Ion Ratio Lower Upper
99 100
42 22.1 16.6 24.8
71 32.7 25.4 38.2



#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

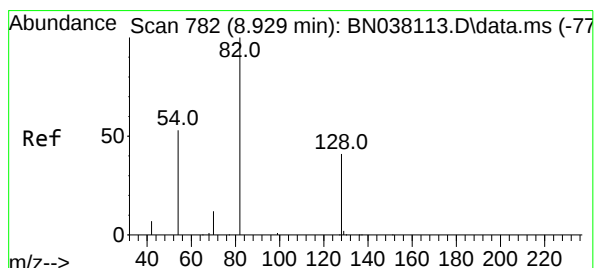
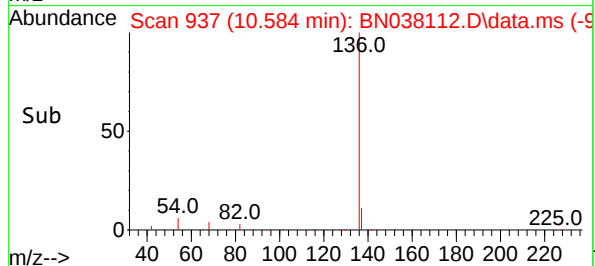
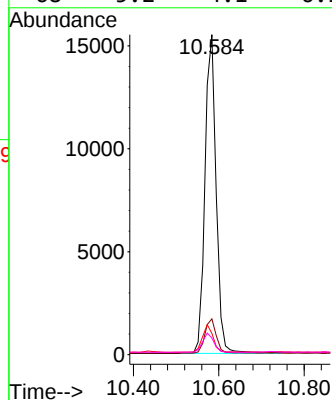
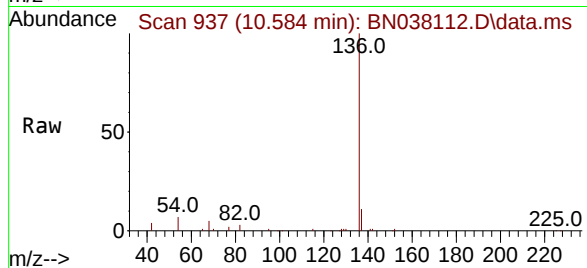
Ion Ratio Lower Upper

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

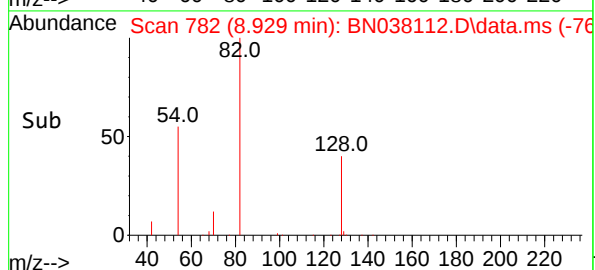
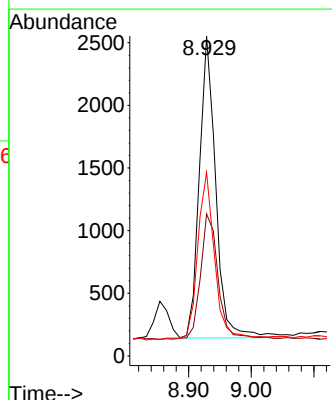
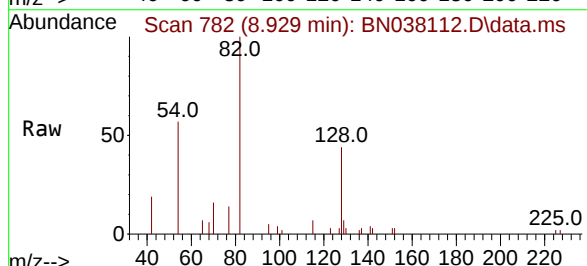
Tgt Ion: 82 Resp: 4403

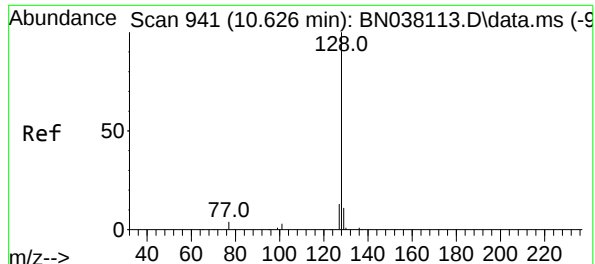
Ion Ratio Lower Upper

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

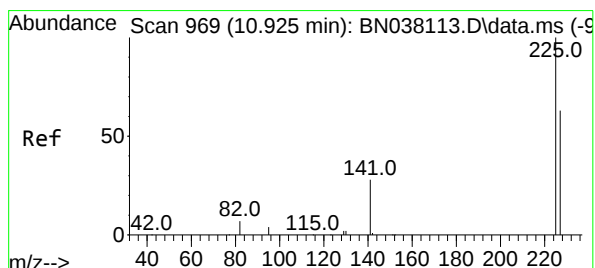
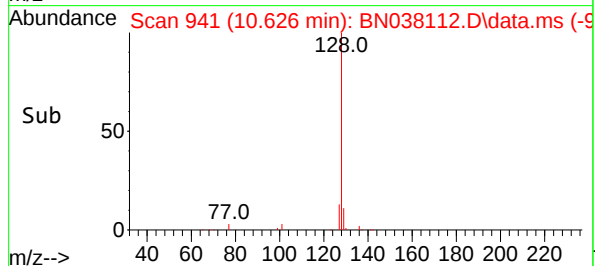
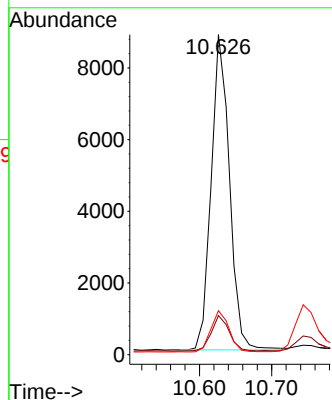
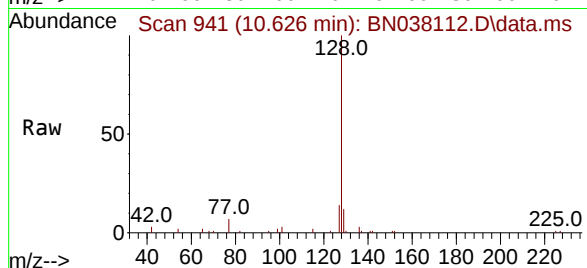
Tgt Ion:128 Resp: 15455

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

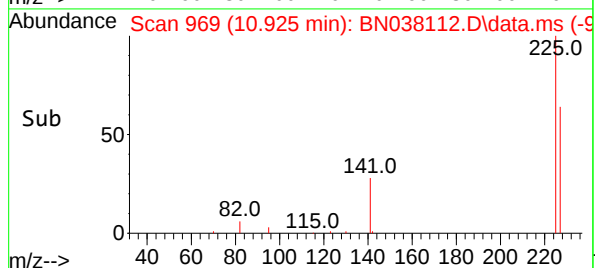
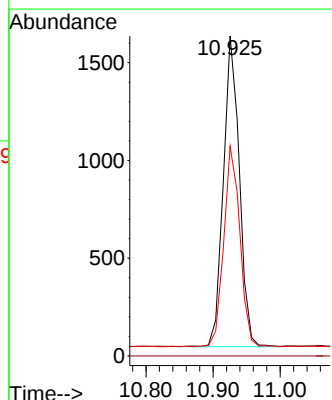
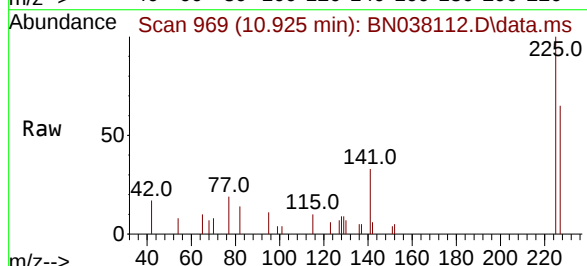
Tgt Ion:225 Resp: 2632

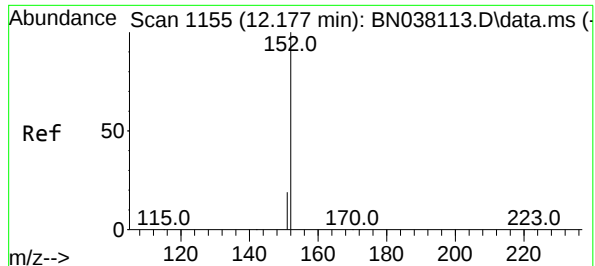
Ion Ratio Lower Upper

225 100

223 0.0 0.0 0.0

227 65.1 50.3 75.5

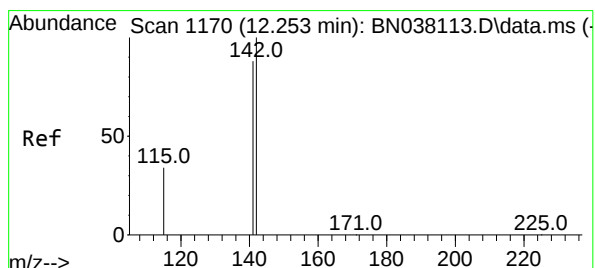
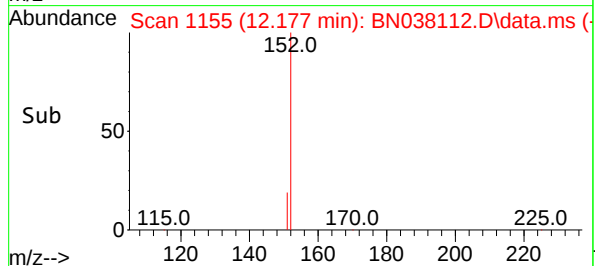
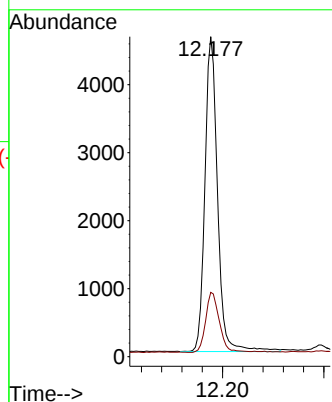
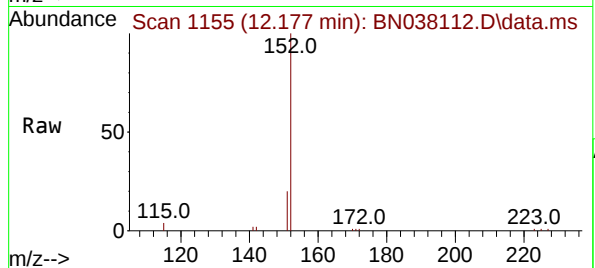




#11
2-Methylnaphthalene-d10
Concen: 0.199 ng
RT: 12.177 min Scan# 1155
Delta R.T. 0.000 min
Lab File: BN038112.D
Acq: 28 Oct 2025 13:36

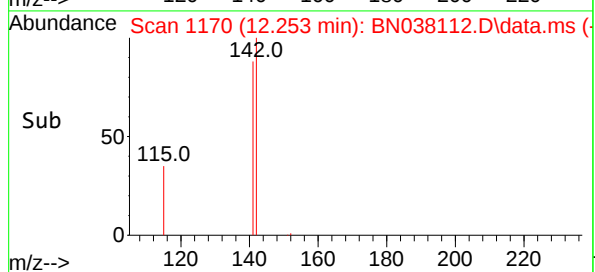
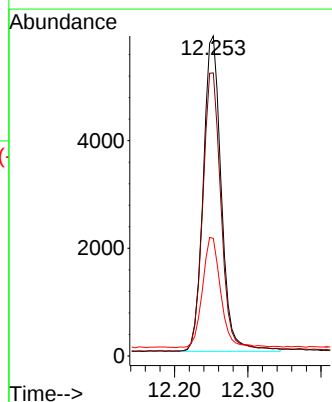
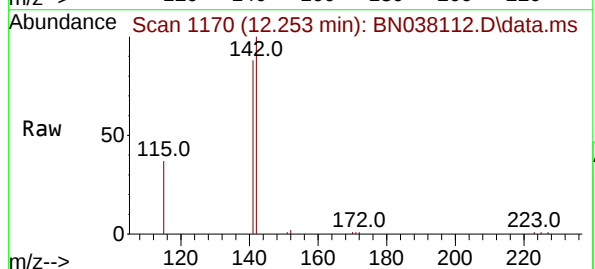
Instrument :
BNA_N
ClientSampleId :
SSTDICC0.2

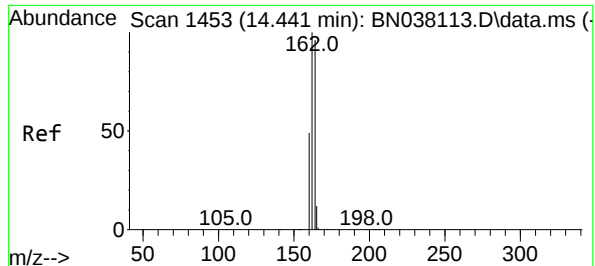
Tgt Ion:152 Resp: 8012
Ion Ratio Lower Upper
152 100
151 20.7 16.8 25.2



#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

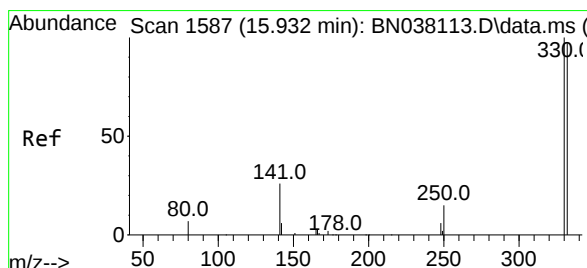
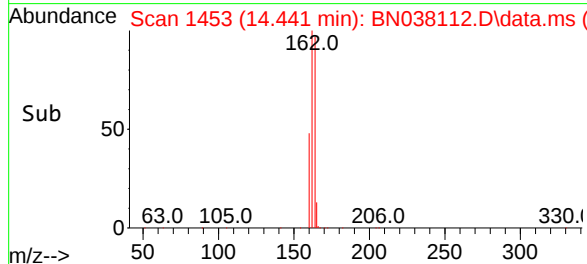
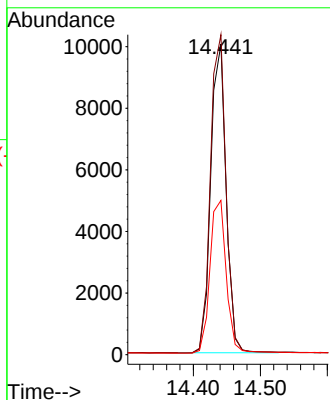
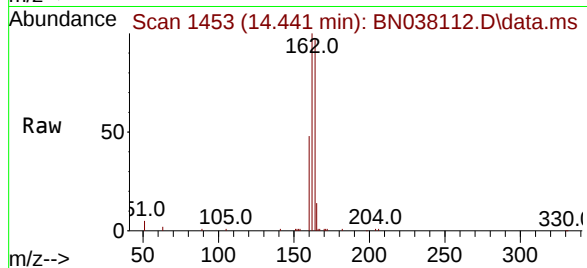




#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.441 min Scan# 1453
Delta R.T. 0.011 min
Lab File: BN038112.D
Acq: 28 Oct 2025 13:36

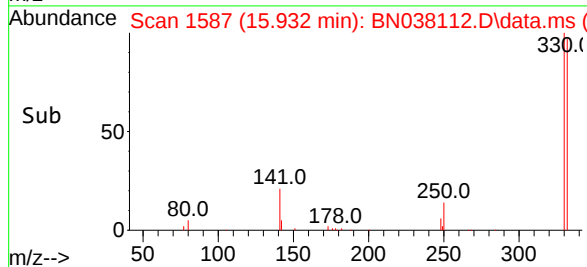
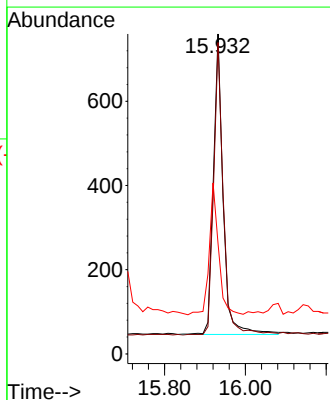
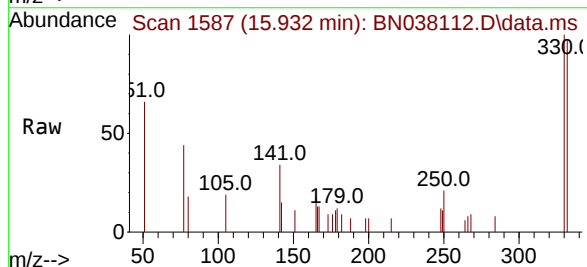
Instrument :
BNA_N
ClientSampleId :
SSTDICC0.2

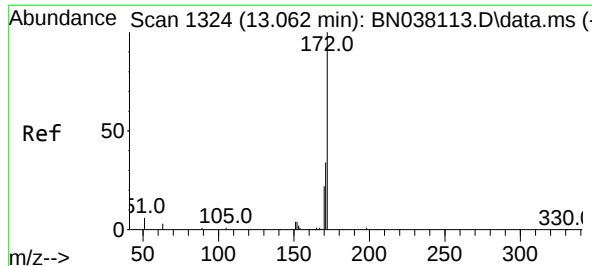
Tgt Ion:	164	Resp:	15941
Ion	Ratio	Lower	Upper
164	100		
162	103.1	83.0	124.4
160	49.6	40.7	61.1



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

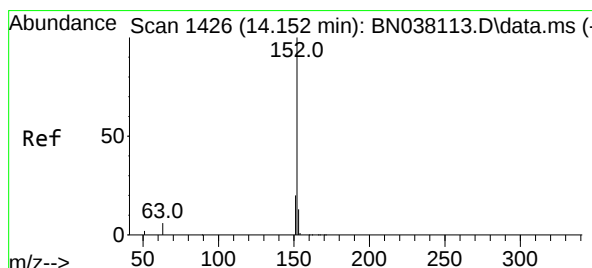
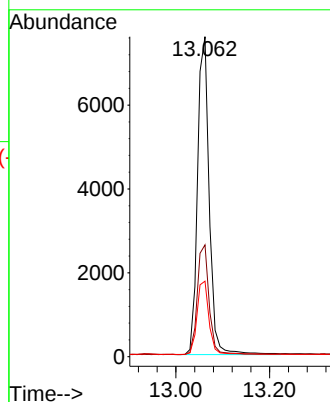
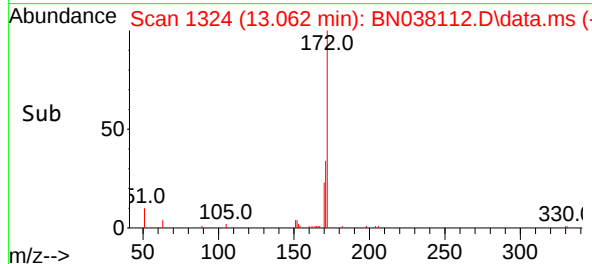
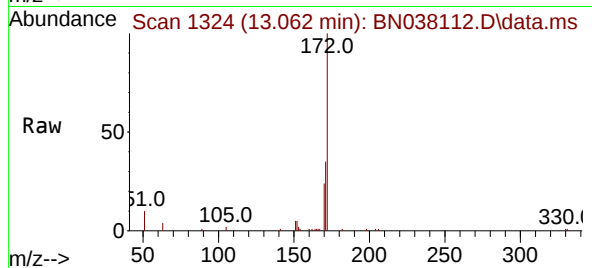




#15
2-Fluorobiphenyl
Concen: 0.206 ng
RT: 13.062 min Scan# 1324
Delta R.T. 0.011 min
Lab File: BN038112.D
Acq: 28 Oct 2025 13:36

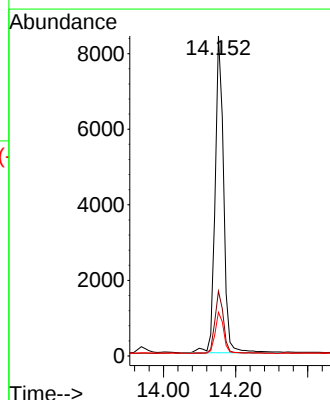
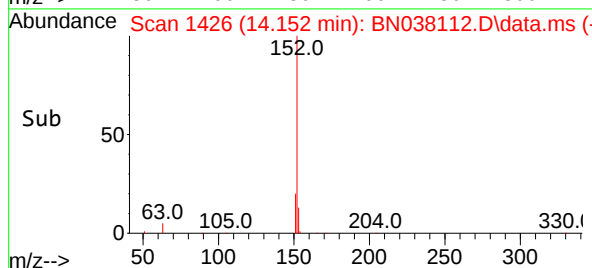
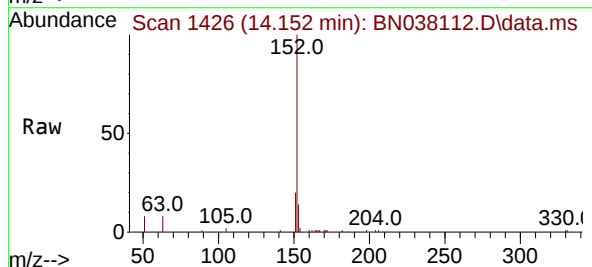
Instrument :
BNA_N
ClientSampleId :
SSTDICC0.2

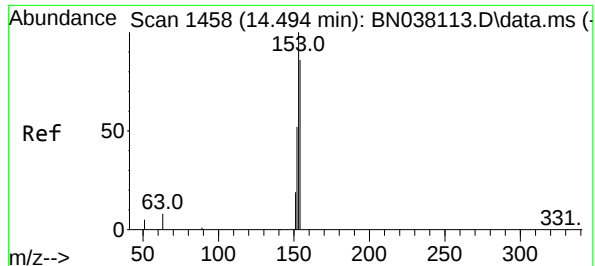
Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.0	27.8	41.6
170	23.6	18.1	27.1



#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

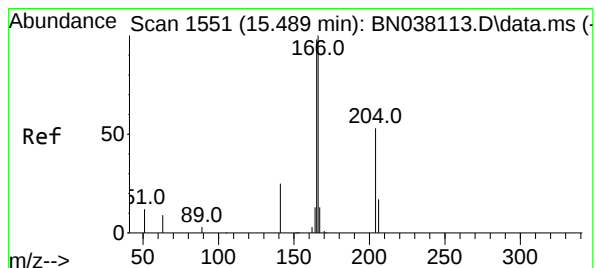
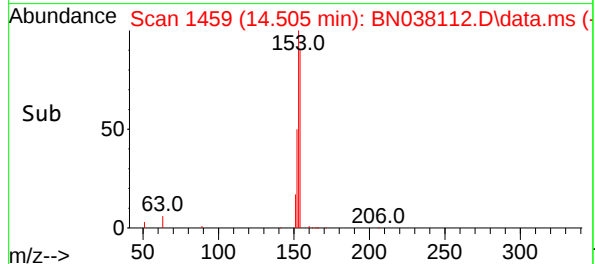
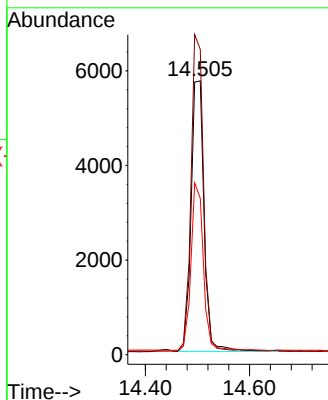
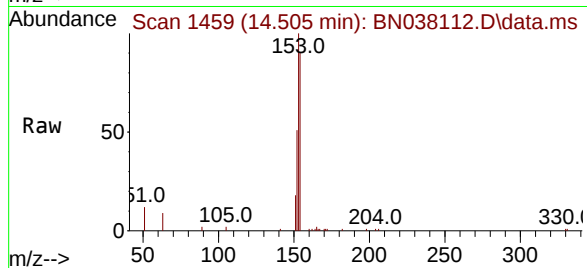




#17
Acenaphthene
Concen: 0.196 ng
RT: 14.505 min Scan# 1459
Delta R.T. 0.011 min
Lab File: BN038112.D
Acq: 28 Oct 2025 13:36

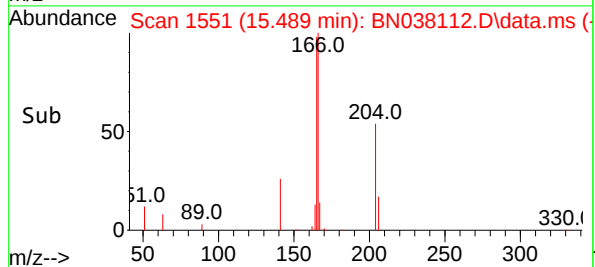
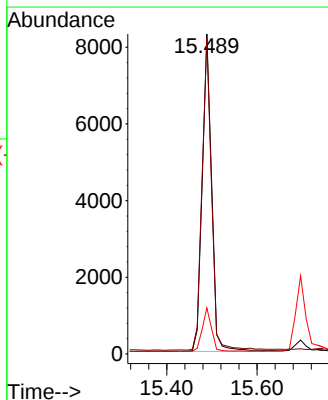
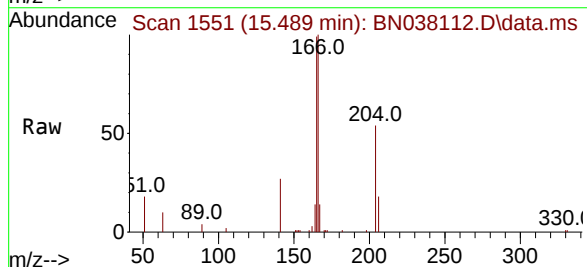
Instrument :
BNA_N
ClientSampleId :
SSTDICC0.2

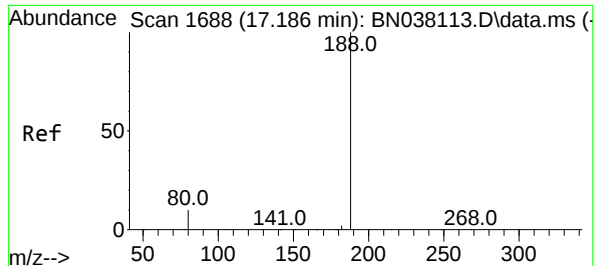
Tgt Ion:154 Resp: 9898
Ion Ratio Lower Upper
154 100
153 112.7 90.0 135.0
152 58.9 47.3 70.9



#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

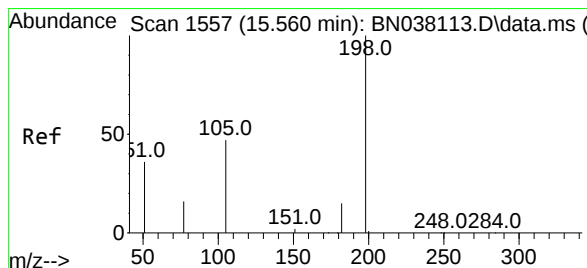
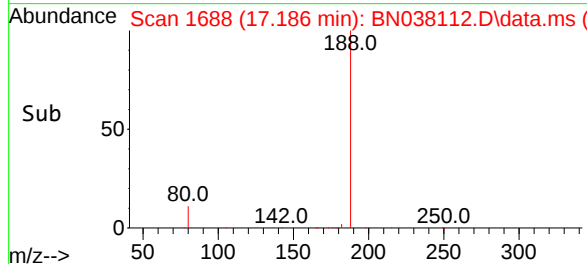
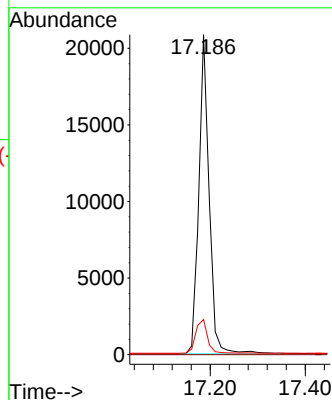
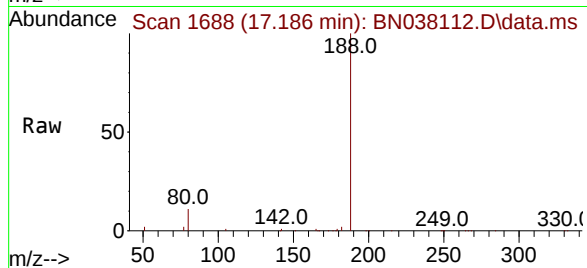
Tgt Ion:188 Resp: 31512

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

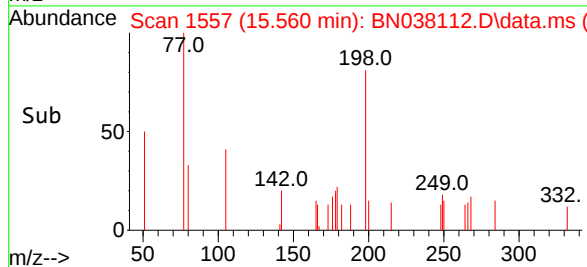
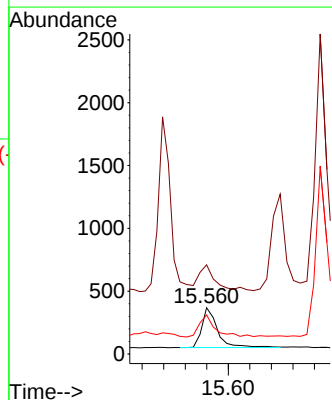
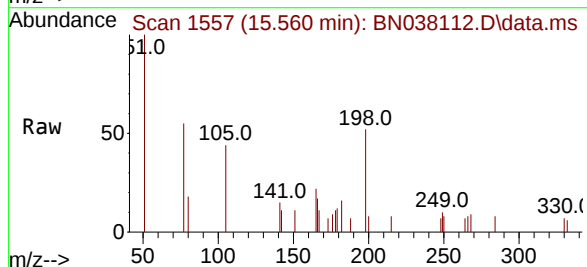
Tgt Ion:198 Resp: 639

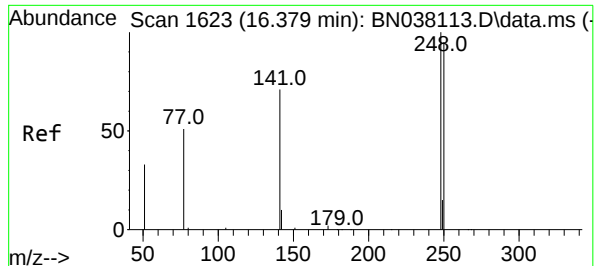
Ion Ratio Lower Upper

198 100

51 192.9 88.9 133.3#

105 84.5 49.2 73.8#

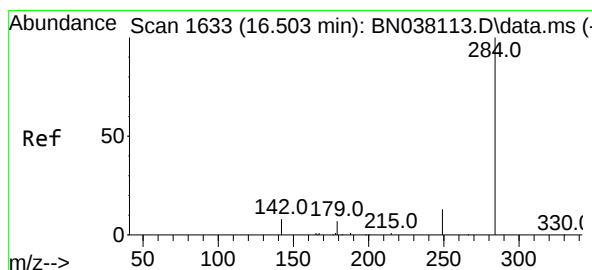
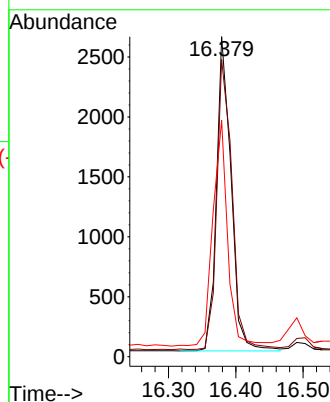
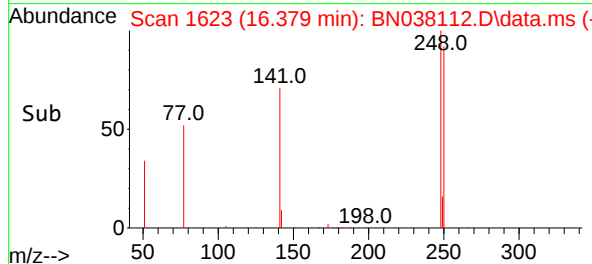
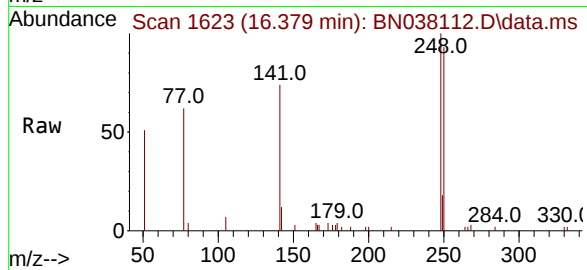




#21
4-Bromophenyl-phenylether
Concen: 0.191 ng
RT: 16.379 min Scan# 1623
Delta R.T. 0.000 min
Lab File: BN038112.D
Acq: 28 Oct 2025 13:36

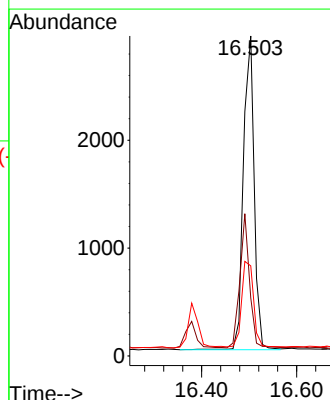
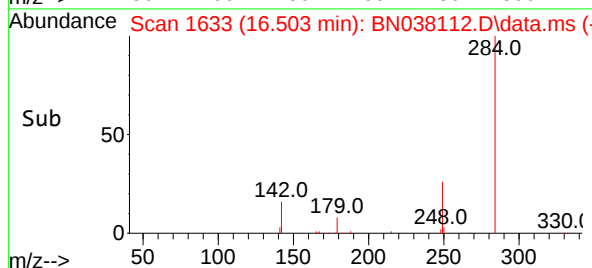
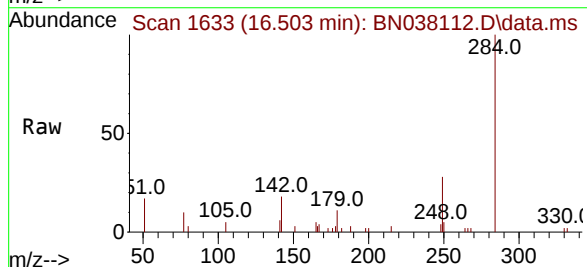
Instrument :
BNA_N
ClientSampleId :
SSTDICC0.2

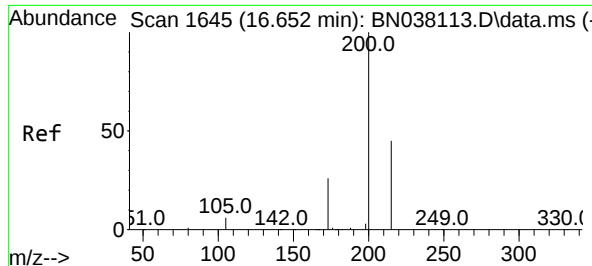
Tgt Ion	Ratio	Lower	Upper
248	100		
250	92.8	76.2	114.2
141	73.9	57.6	86.4



#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

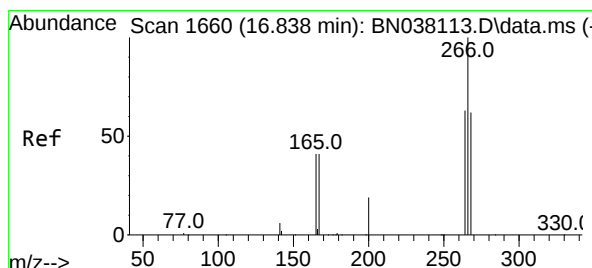
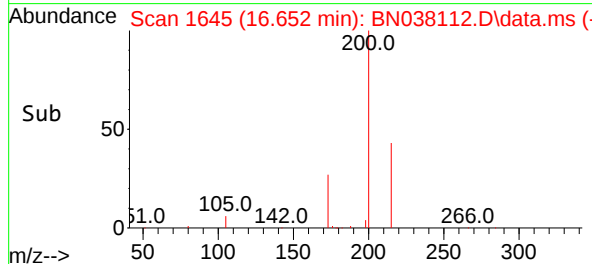
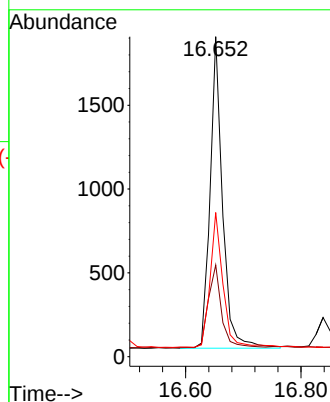
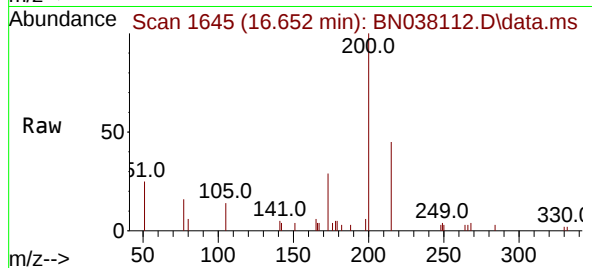




#23
Atrazine
Concen: 0.183 ng
RT: 16.652 min Scan# 1645
Delta R.T. 0.000 min
Lab File: BN038112.D
Acq: 28 Oct 2025 13:36

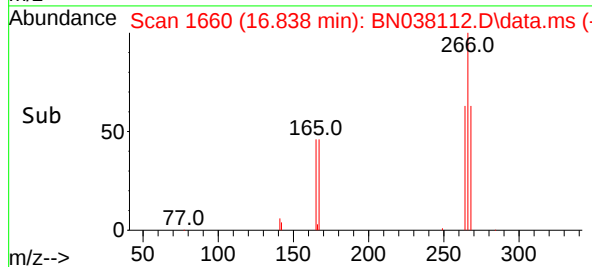
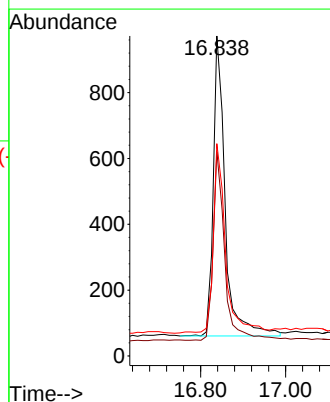
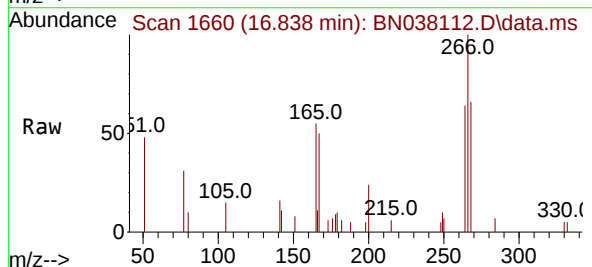
Instrument :
BNA_N
ClientSampleId :
SSTDICC0.2

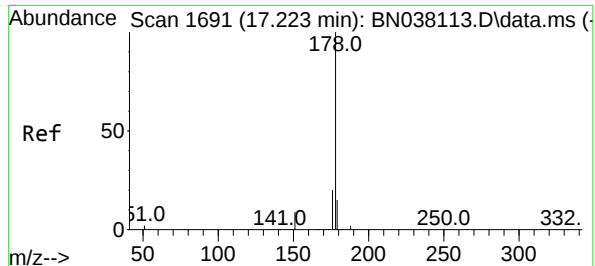
Tgt Ion	Ratio	Lower	Upper
200	100		
173	28.7	21.4	32.2
215	45.0	36.7	55.1



#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

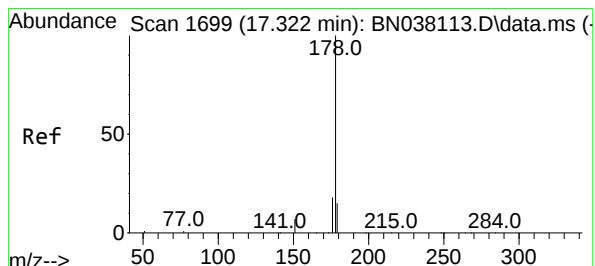
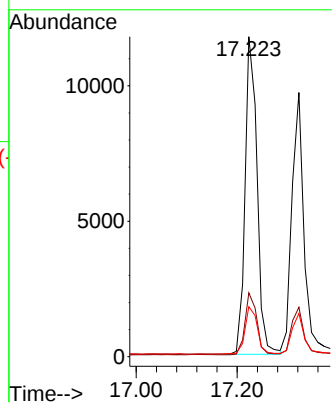
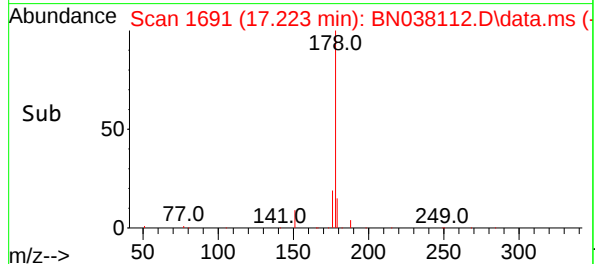
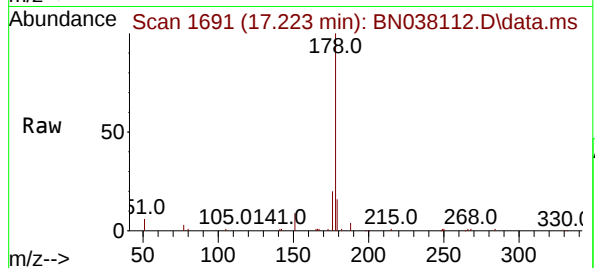




#25
Phenanthrene
Concen: 0.194 ng
RT: 17.223 min Scan# 1691
Delta R.T. 0.000 min
Lab File: BN038112.D
Acq: 28 Oct 2025 13:36

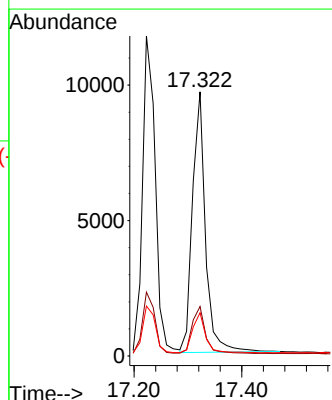
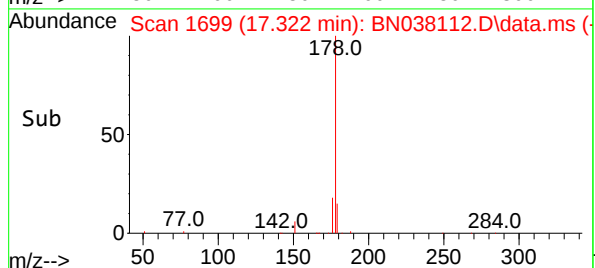
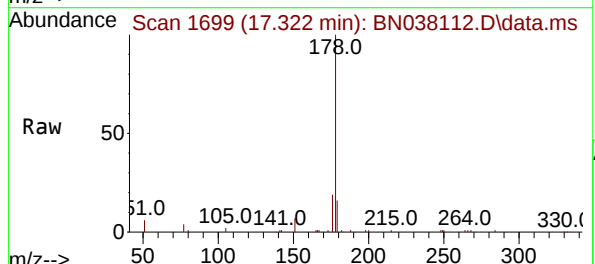
Instrument :
BNA_N
ClientSampleId :
SSTDICC0.2

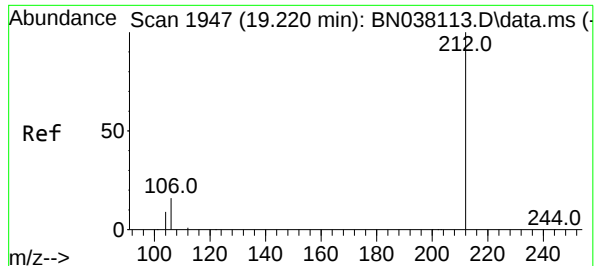
Tgt Ion:178 Resp: 19374
Ion Ratio Lower Upper
178 100
176 19.2 15.5 23.3
179 15.3 12.2 18.4



#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

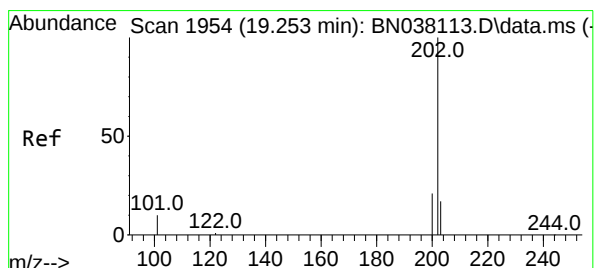
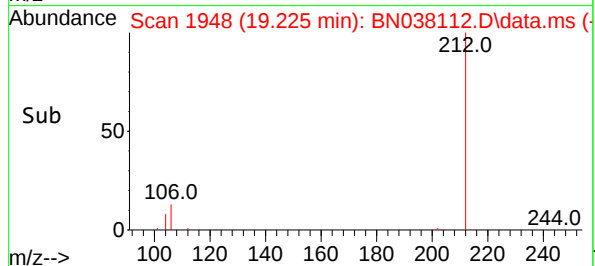
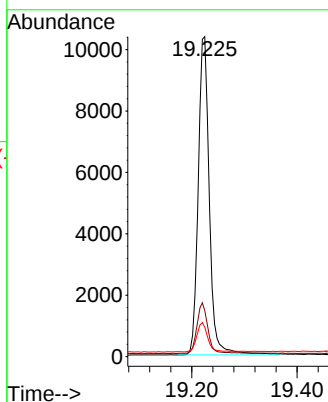
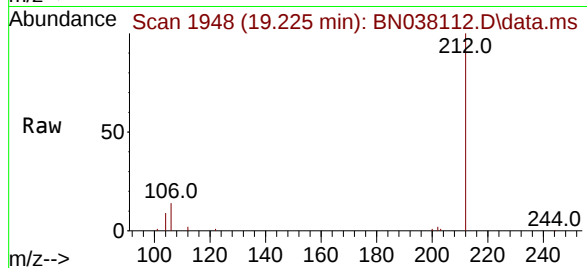
Tgt Ion:212 Resp: 15247

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

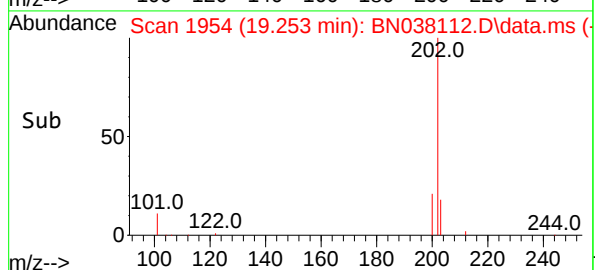
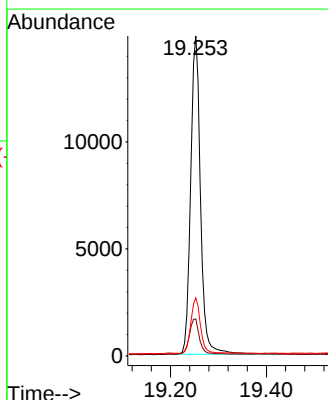
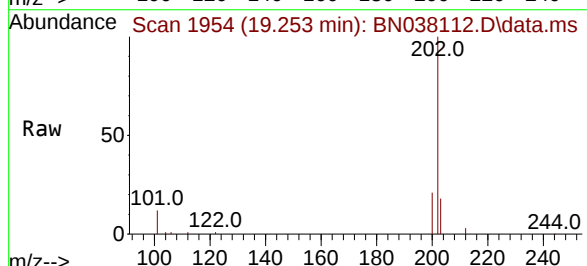
Tgt Ion:202 Resp: 21232

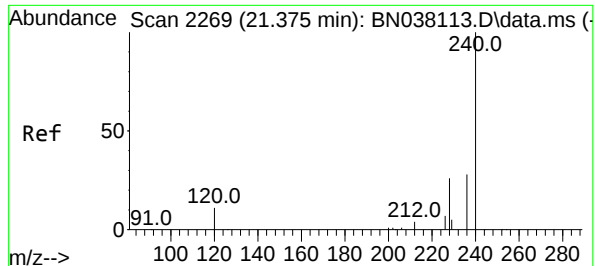
Ion Ratio Lower Upper

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

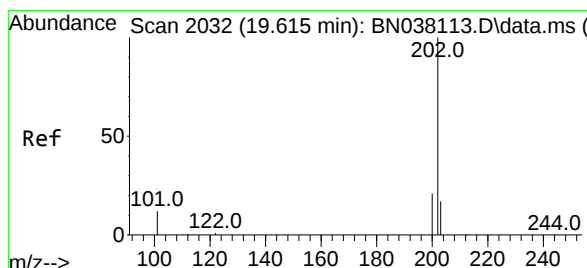
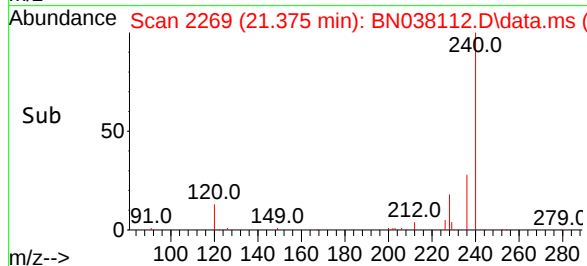
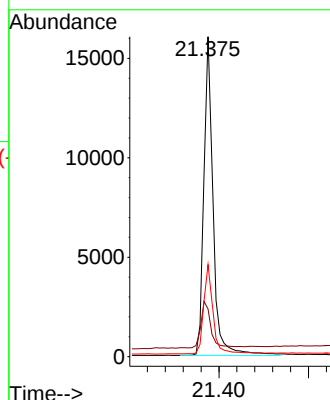
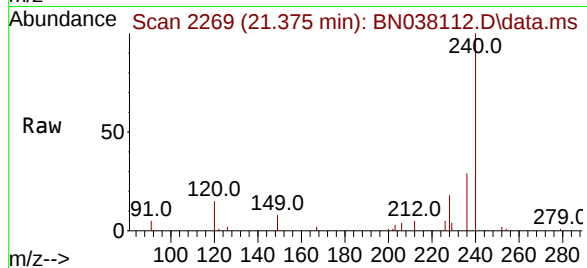
Tgt Ion:240 Resp: 23080

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

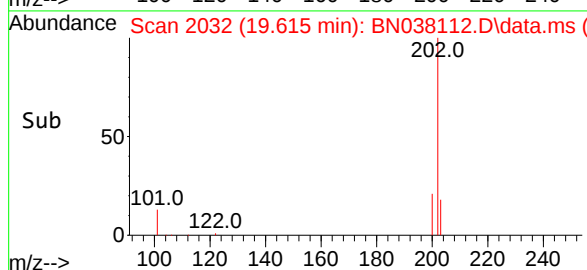
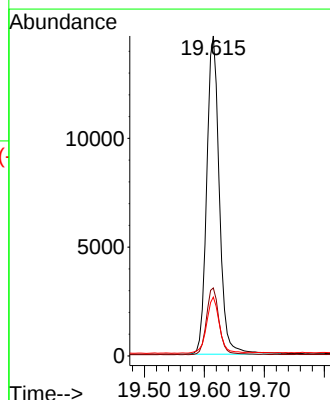
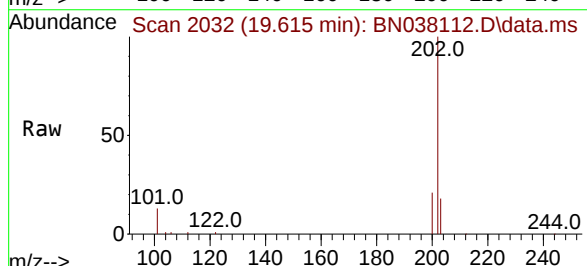
Tgt Ion:202 Resp: 21387

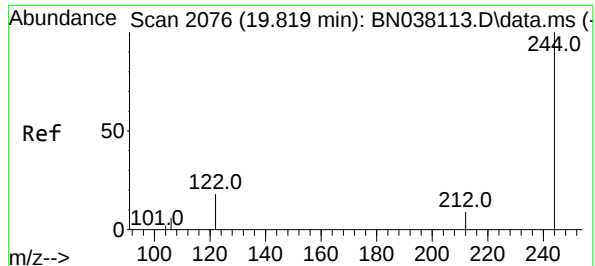
Ion Ratio Lower Upper

202 100

200 21.0 16.7 25.1

203 17.7 14.2 21.2

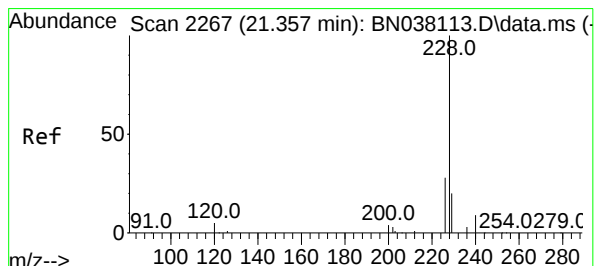
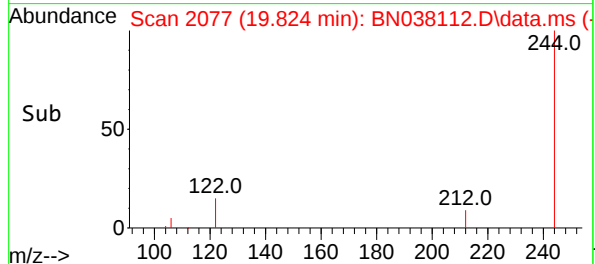
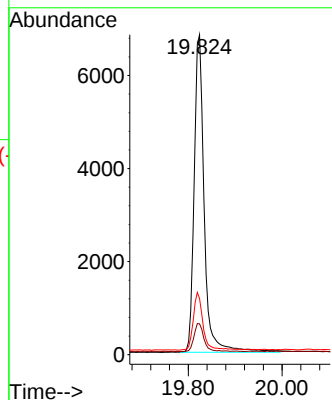
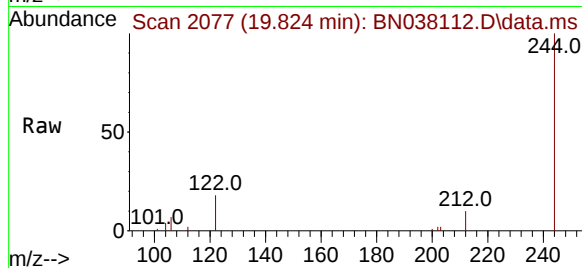




#31
Terphenyl-d14
Concen: 0.203 ng
RT: 19.824 min Scan# 2076
Delta R.T. 0.005 min
Lab File: BN038112.D
Acq: 28 Oct 2025 13:36

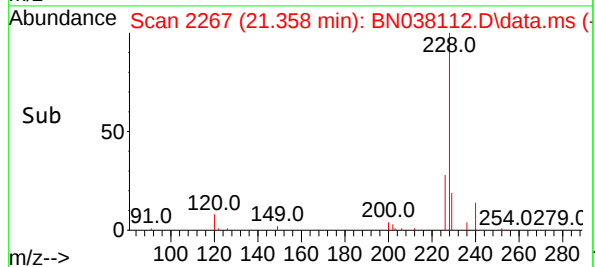
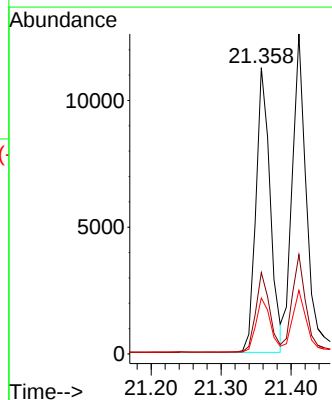
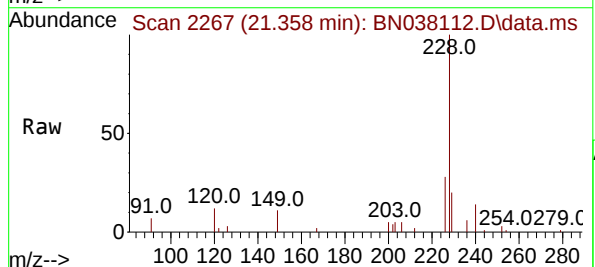
Instrument :
BNA_N
ClientSampleId :
SSTDICC0.2

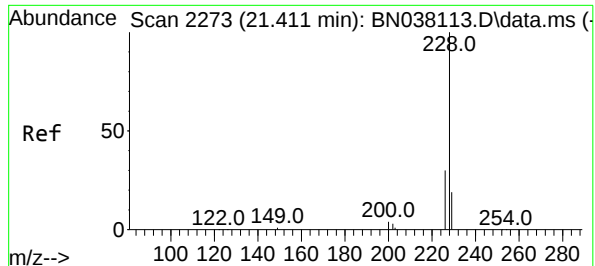
Tgt Ion:244 Resp: 10170
Ion Ratio Lower Upper
244 100
212 9.6 7.8 11.6
122 17.6 15.2 22.8



#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

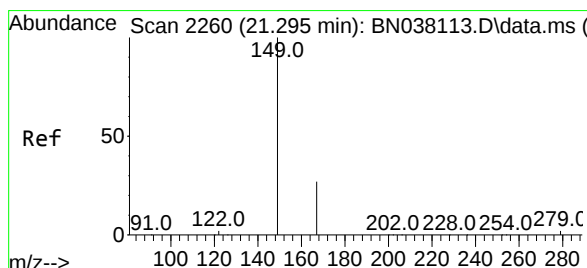
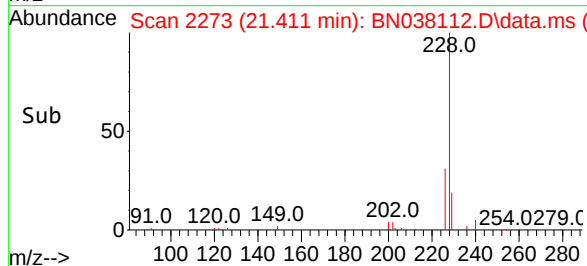
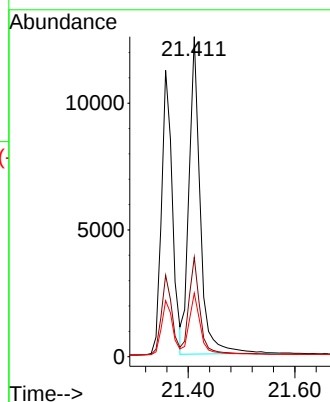
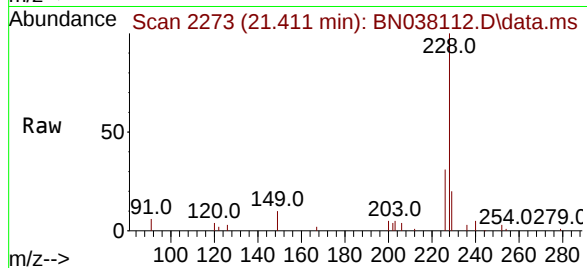
Tgt Ion:228 Resp: 18301

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

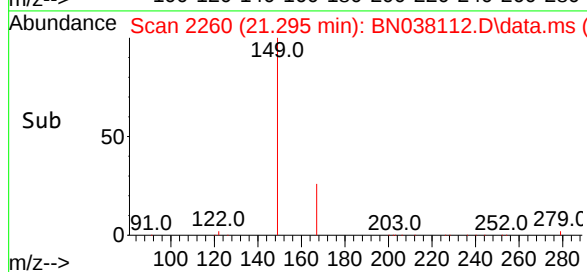
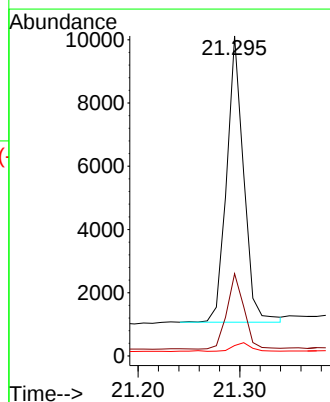
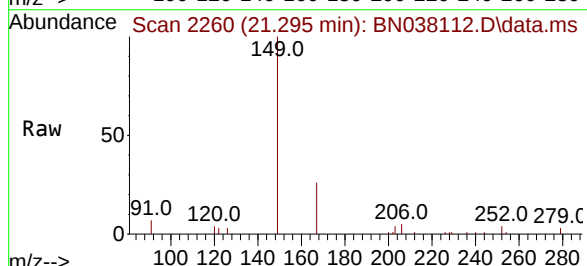
Tgt Ion:149 Resp: 10496

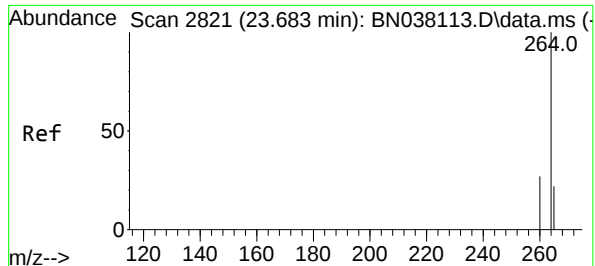
Ion Ratio Lower Upper

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 :

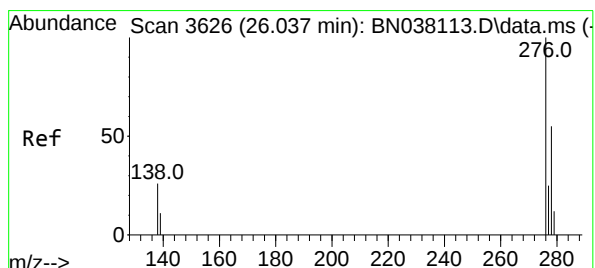
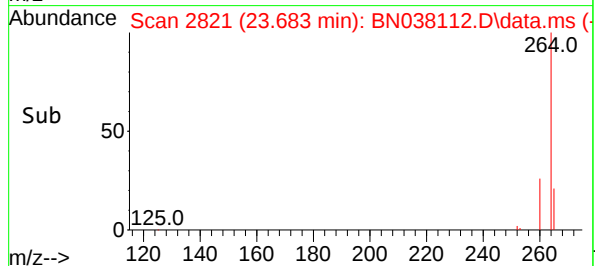
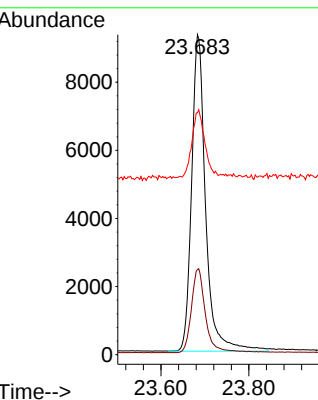
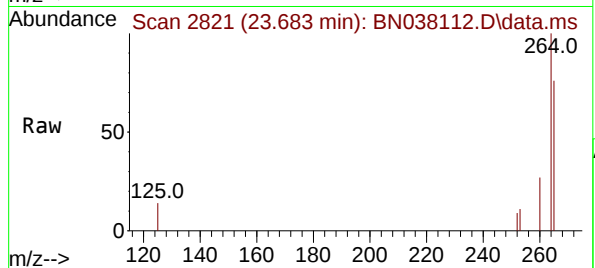
BNA_N

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

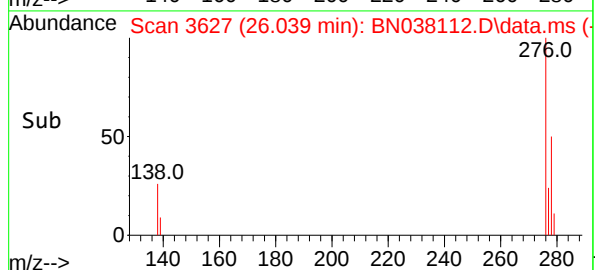
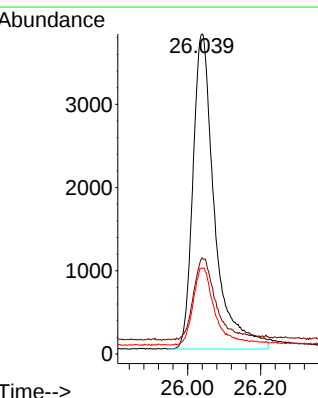
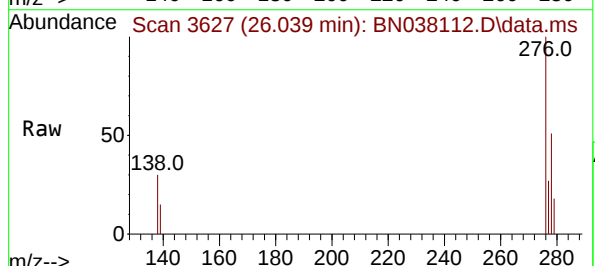
Delta R.T. 0.006 min

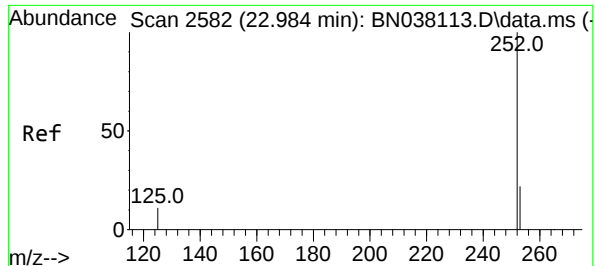
Lab File: BN038112.D

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

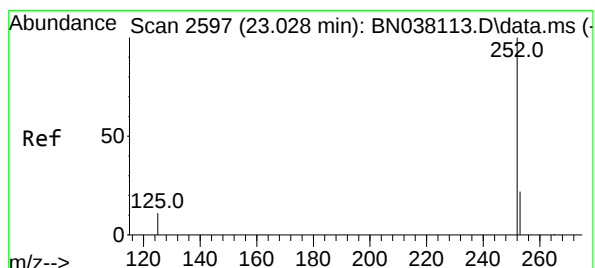
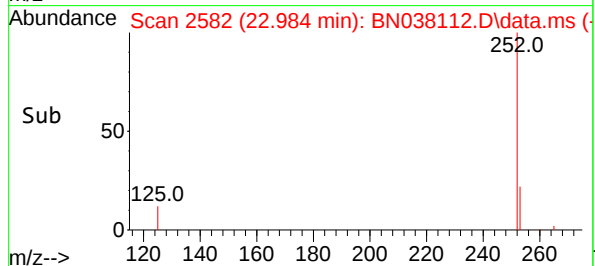
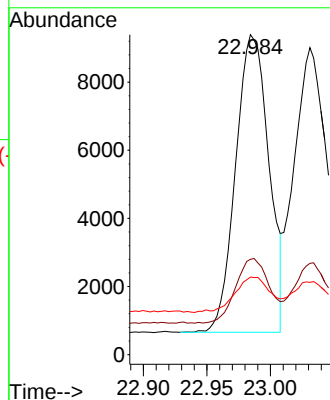
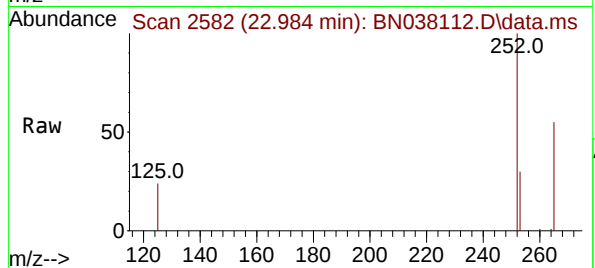
Tgt Ion:252 Resp: 15888

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

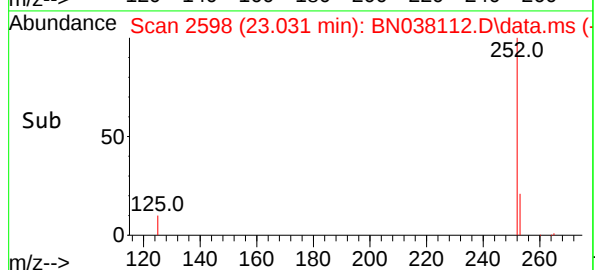
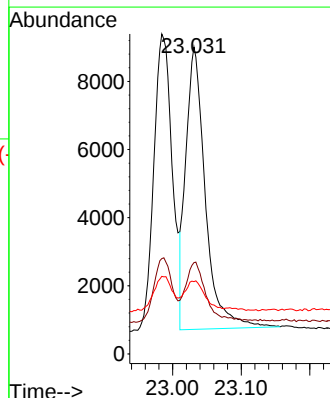
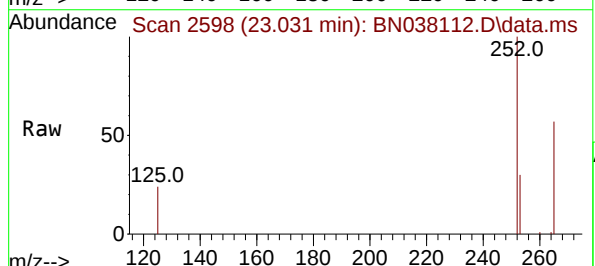
Tgt Ion:252 Resp: 16371

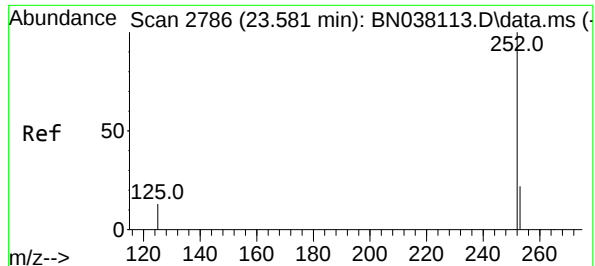
Ion Ratio Lower Upper

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

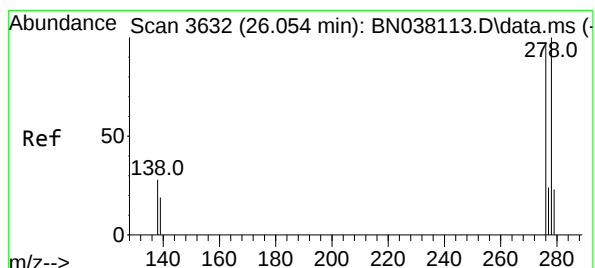
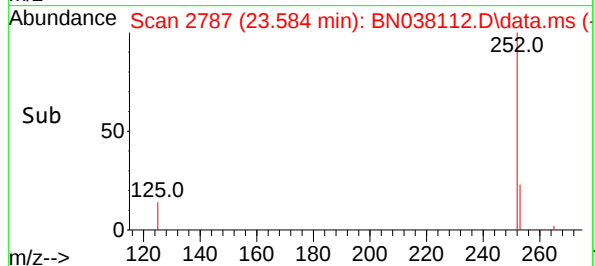
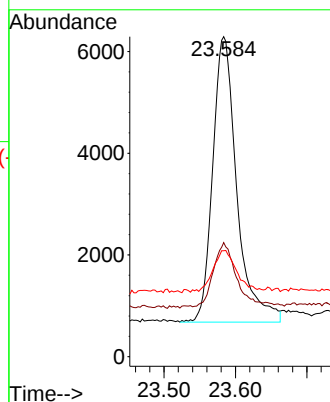
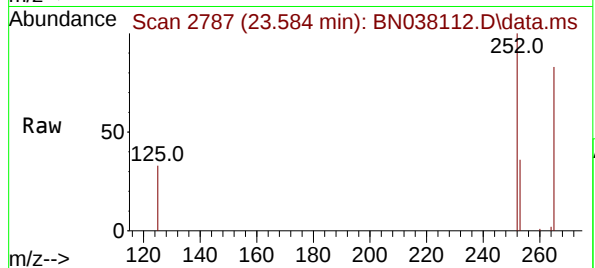
Tgt Ion:252 Resp: 13137

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

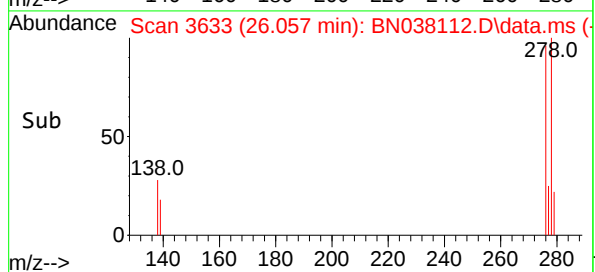
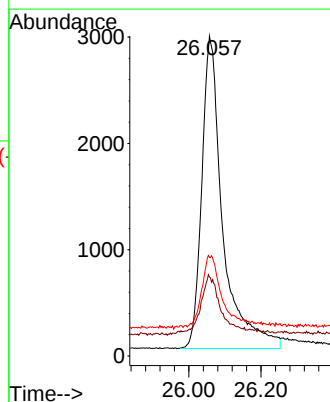
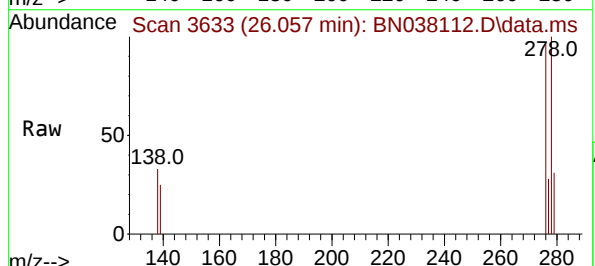
Tgt Ion:278 Resp: 11845

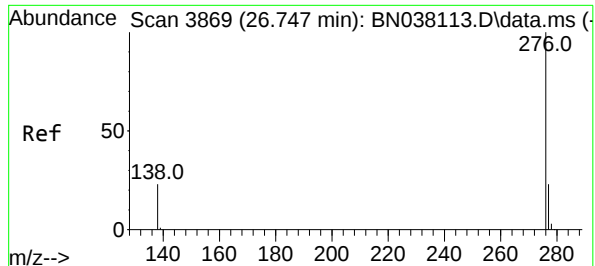
Ion Ratio Lower Upper

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

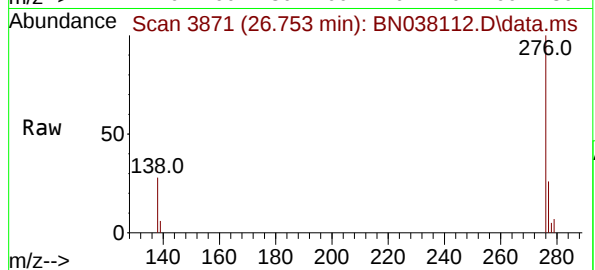
Acq: 28 Oct 2025 13:36

Instrument :

BNA_N

ClientSampleId :

SSTDICC0.2



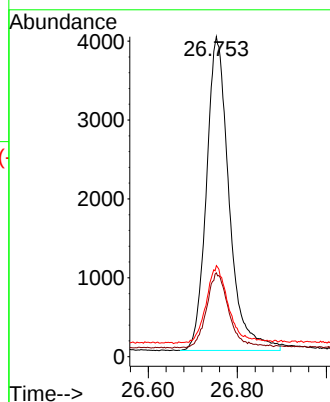
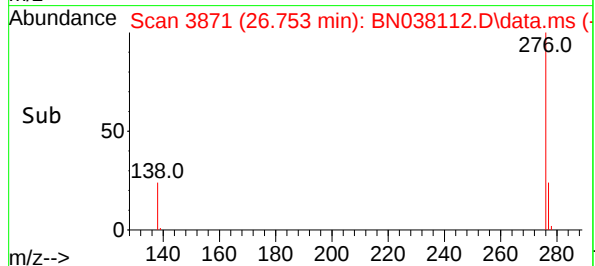
Tgt Ion:276 Resp: 14055

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)

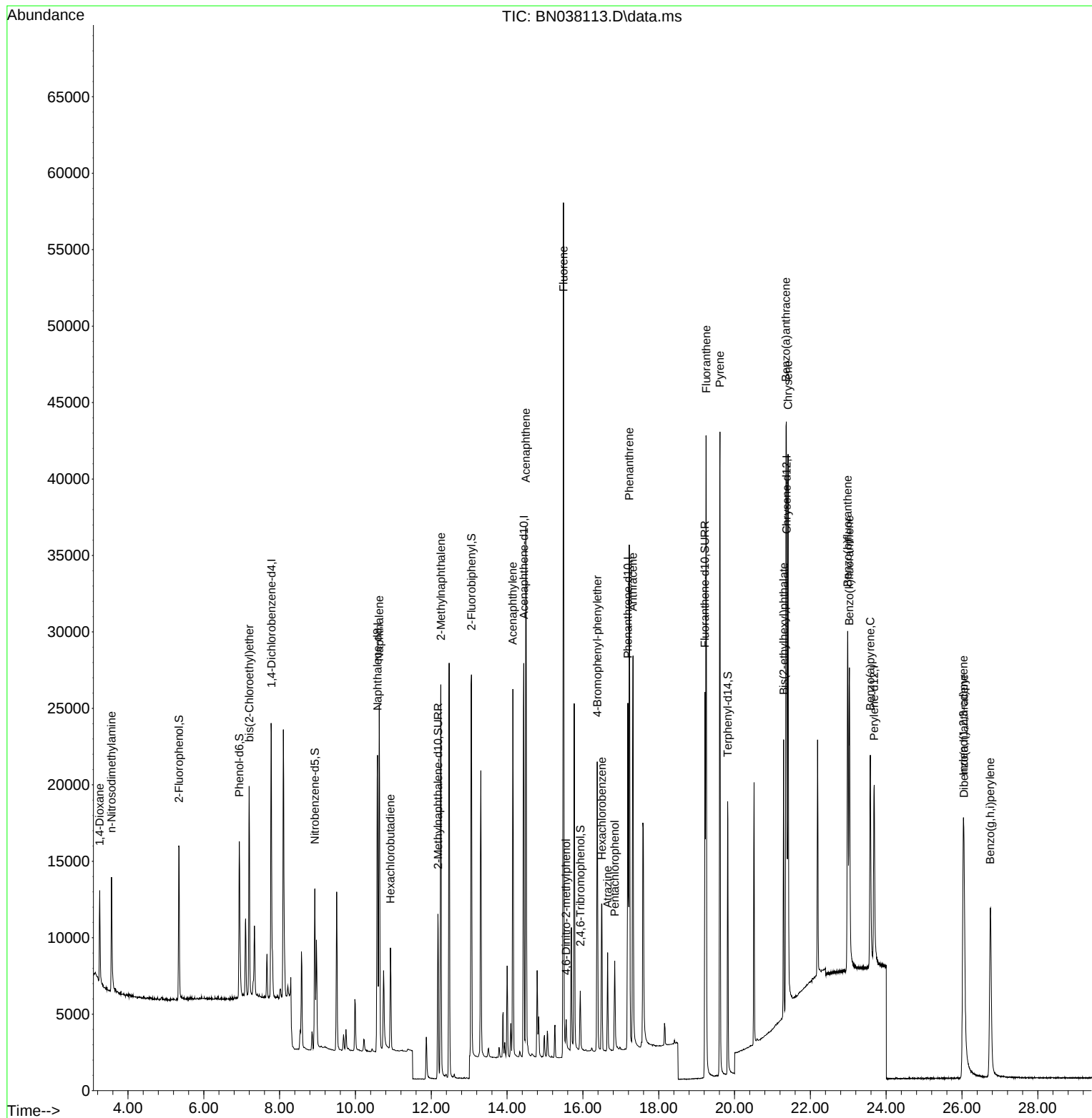
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.782	152	9189	0.400	ng	0.00
7) Naphthalene-d8	10.584	136	27629	0.400	ng	0.01
13) Acenaphthene-d10	14.441	164	15496	0.400	ng	0.01
19) Phenanthrene-d10	17.186	188	29547	0.400	ng	0.00
29) Chrysene-d12	21.375	240	21529	0.400	ng	0.00
35) Perylene-d12	23.683	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

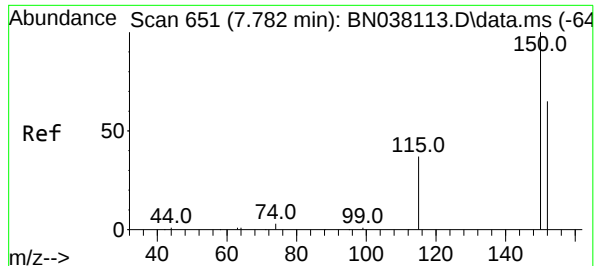
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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

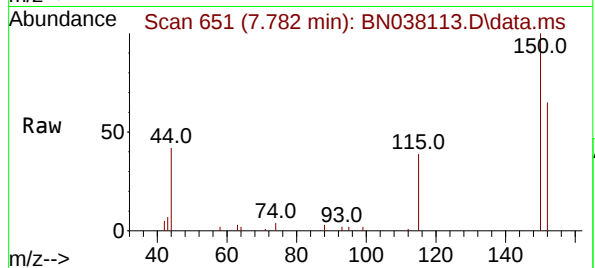
Quant Time: Oct 28 17:31:42 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN102825.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Oct 28 17:15:13 2025
 Response via : Initial Calibration



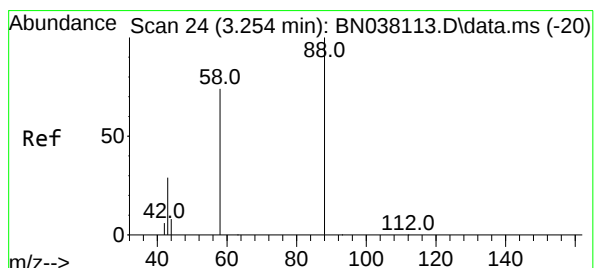
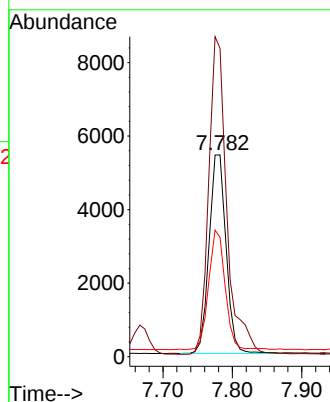


#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.782 min Scan# 61
Delta R.T. 0.007 min
Lab File: BN038113.D
Acq: 28 Oct 2025 14:13

Instrument :
BNA_N
ClientSampleId :
SSTDICCC0.4

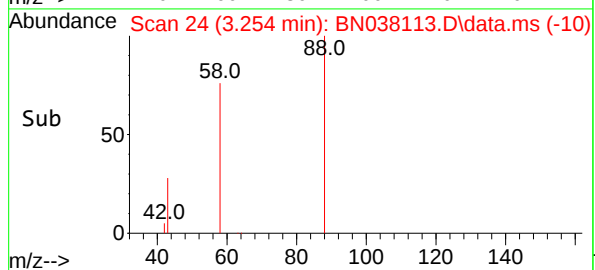
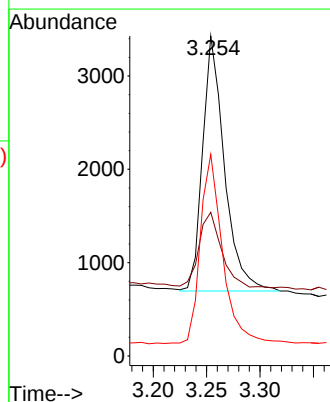
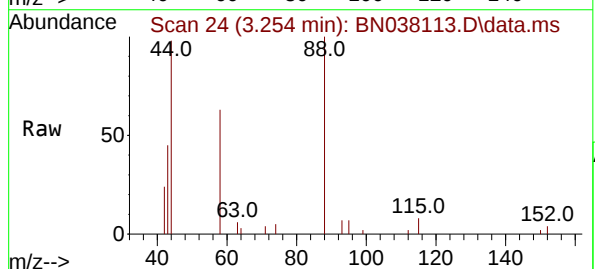


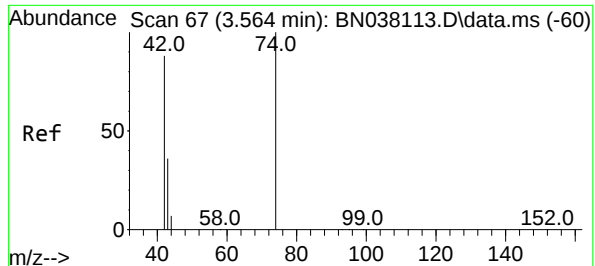
Tgt Ion:152 Resp: 9189
Ion Ratio Lower Upper
152 100
150 152.9 122.3 183.5
115 59.2 47.4 71.0



#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

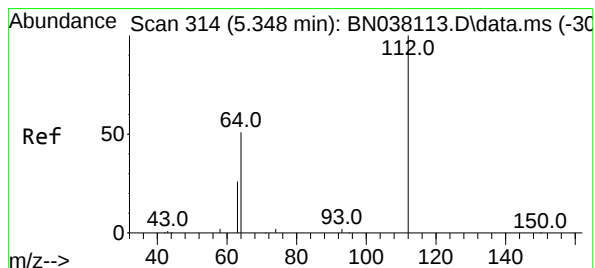
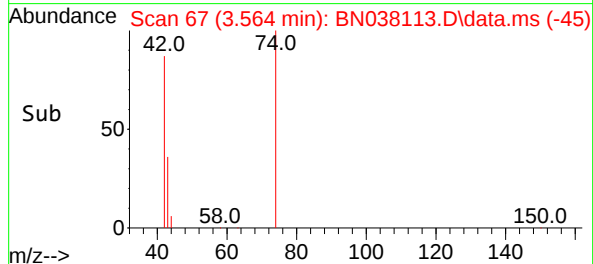
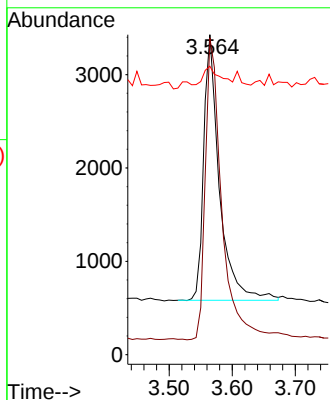
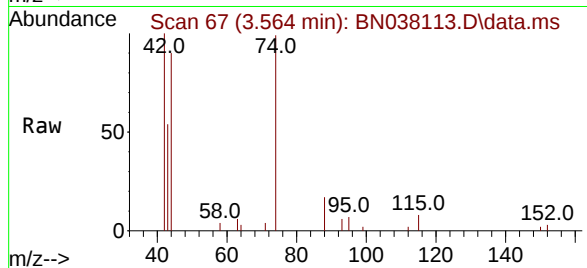




#3
n-Nitrosodimethylamine
Concen: 0.402 ng
RT: 3.564 min Scan# 61
Delta R.T. 0.007 min
Lab File: BN038113.D
Acq: 28 Oct 2025 14:13

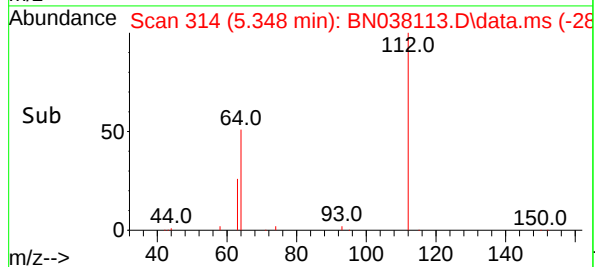
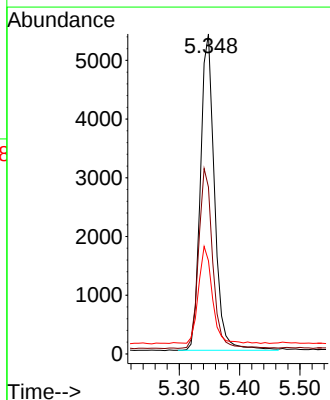
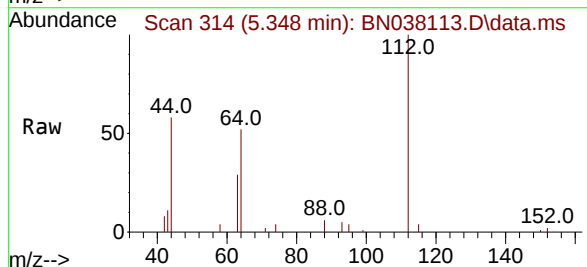
Instrument :
BNA_N
ClientSampleId :
SSTDICCC0.4

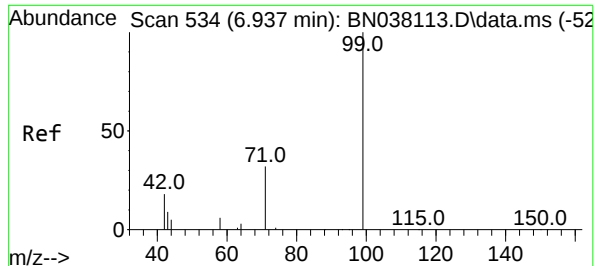
Tgt Ion: 42 Resp: 4910
Ion Ratio Lower Upper
42 100
74 121.1 96.8 145.2
44 6.7 5.3 7.9



#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

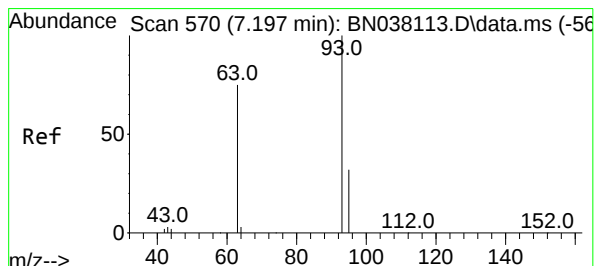
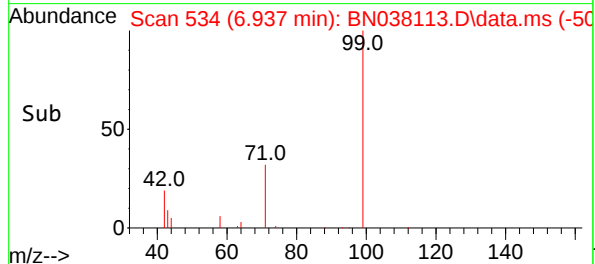
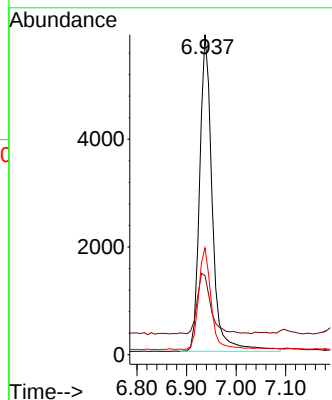
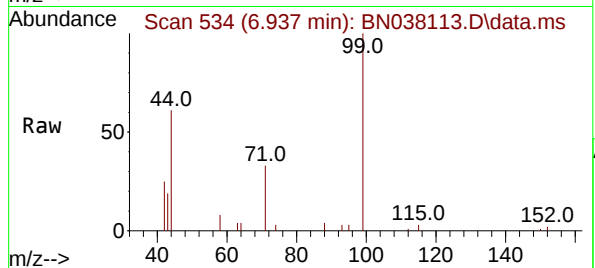




#5
Phenol-d6
Concen: 0.395 ng
RT: 6.937 min Scan# 51
Delta R.T. -0.000 min
Lab File: BN038113.D
Acq: 28 Oct 2025 14:13

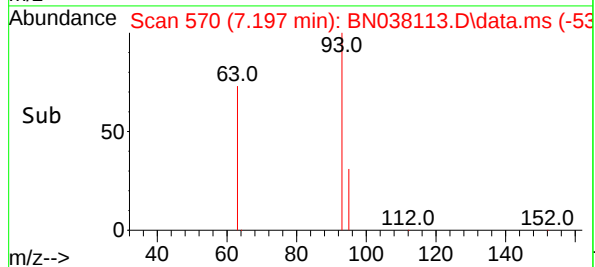
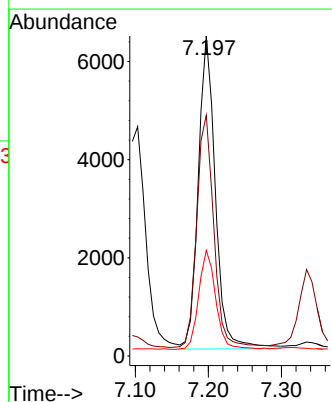
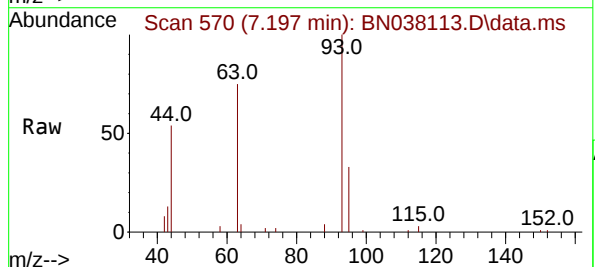
Instrument :
BNA_N
ClientSampleId :
SSTDICCC0.4

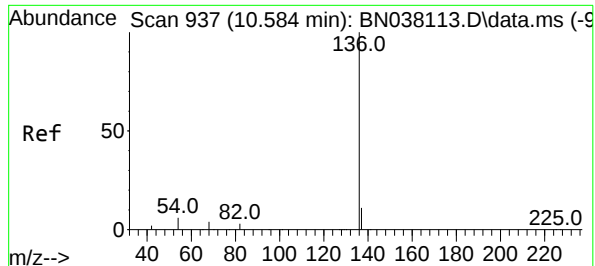
Tgt Ion: 99 Resp: 10420
Ion Ratio Lower Upper
99 100
42 20.7 16.6 24.8
71 31.8 25.4 38.2



#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

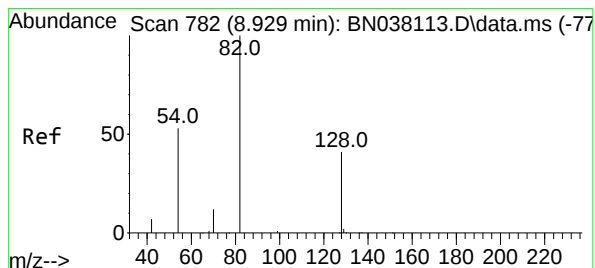
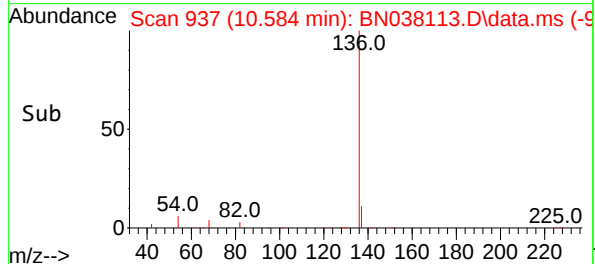
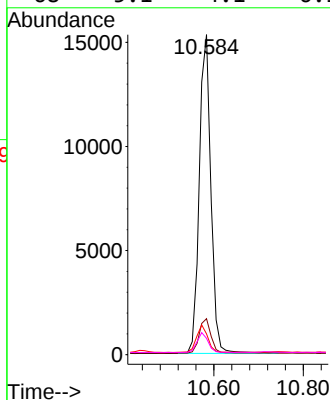
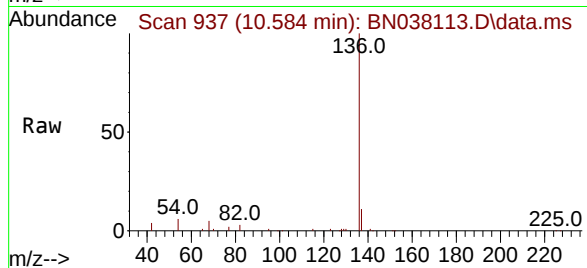




#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.584 min Scan# 91
Delta R.T. 0.011 min
Lab File: BN038113.D
Acq: 28 Oct 2025 14:13

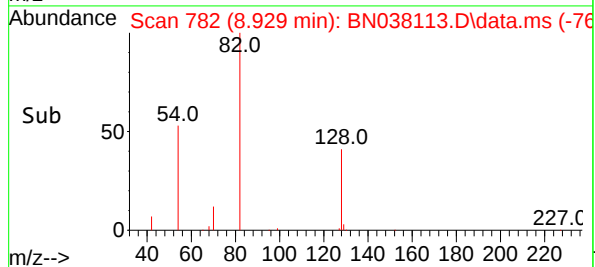
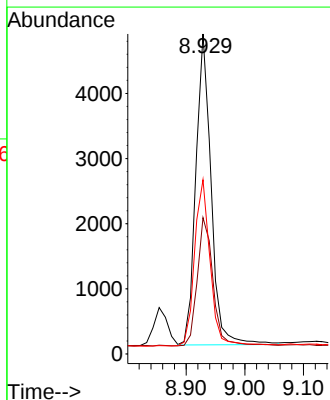
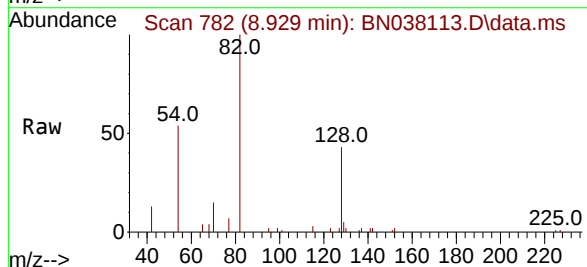
Instrument :
BNA_N
ClientSampleId :
SSTDICCC0.4

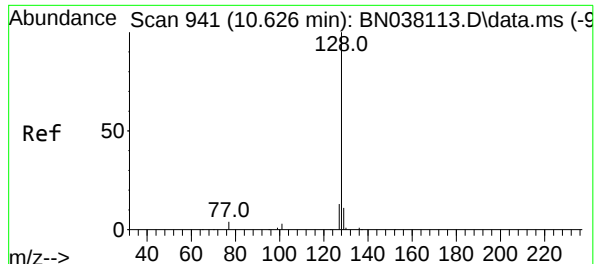
Tgt Ion:136 Resp: 27629
Ion Ratio Lower Upper
136 100
137 11.2 9.0 13.4
54 6.5 5.2 7.8
68 5.1 4.1 6.1



#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

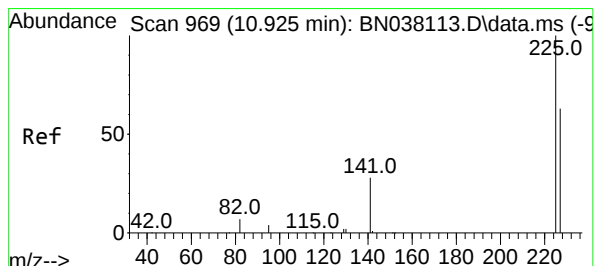
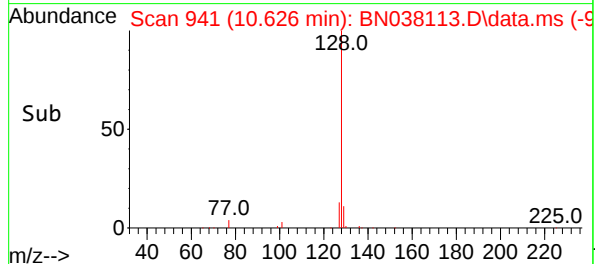
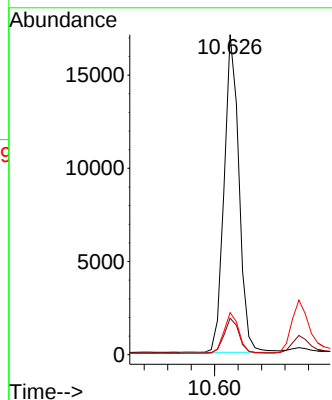
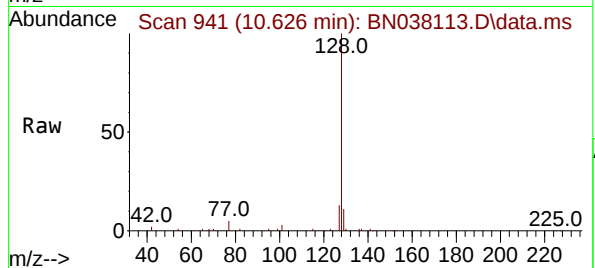




#9
Naphthalene
Concen: 0.392 ng
RT: 10.626 min Scan# 941
Delta R.T. -0.000 min
Lab File: BN038113.D
Acq: 28 Oct 2025 14:13

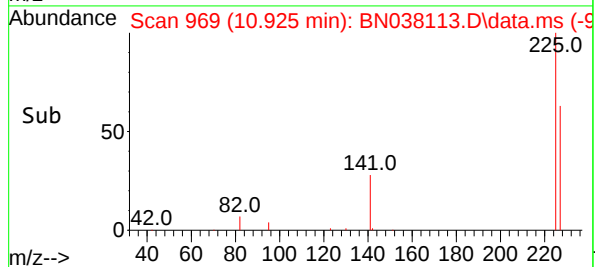
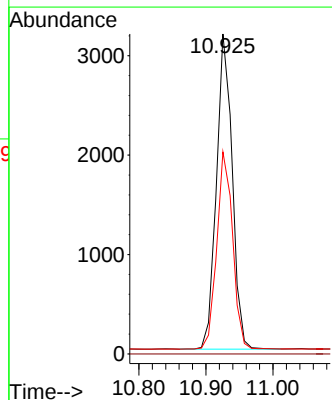
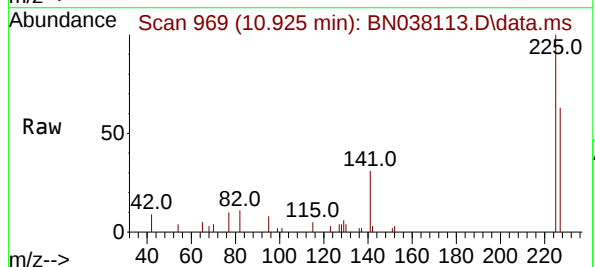
Instrument :
BNA_N
ClientSampleId :
SSTDICCC0.4

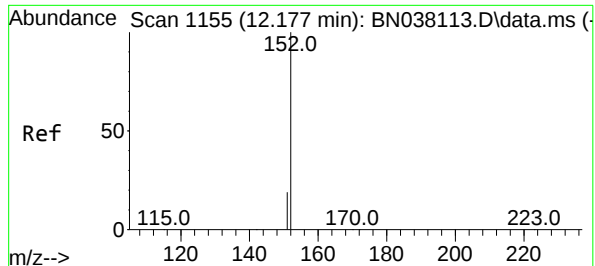
Tgt Ion:128 Resp: 29858
Ion Ratio Lower Upper
128 100
129 11.4 9.1 13.7
127 13.1 10.5 15.7



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

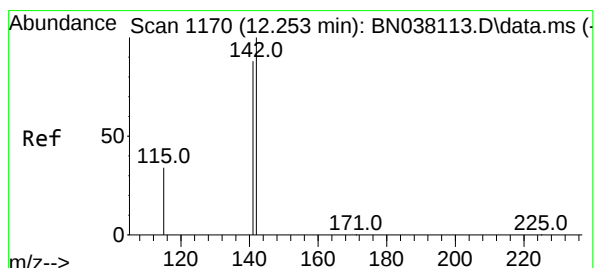
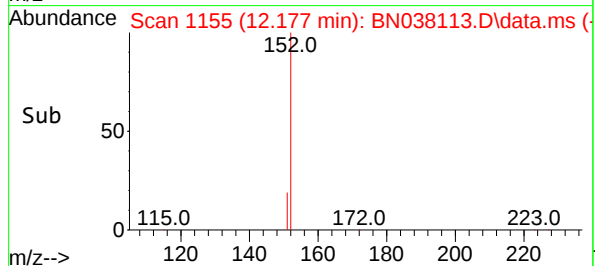
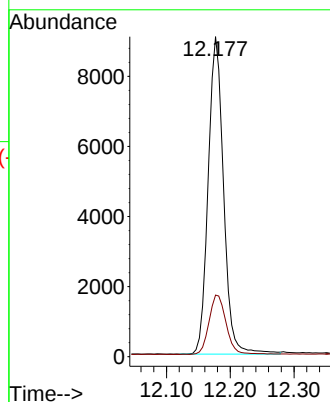
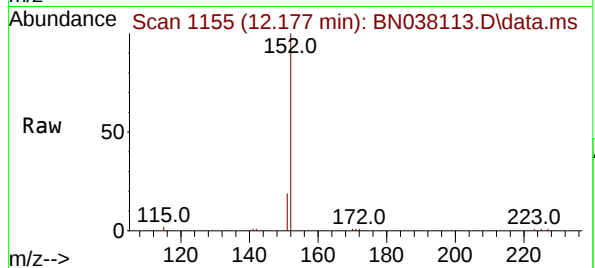




#11
2-Methylnaphthalene-d10
Concen: 0.386 ng
RT: 12.177 min Scan# 1155
Delta R.T. -0.000 min
Lab File: BN038113.D
Acq: 28 Oct 2025 14:13

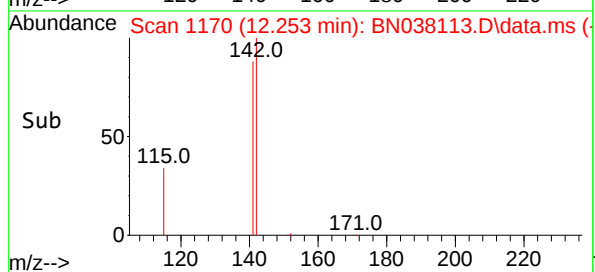
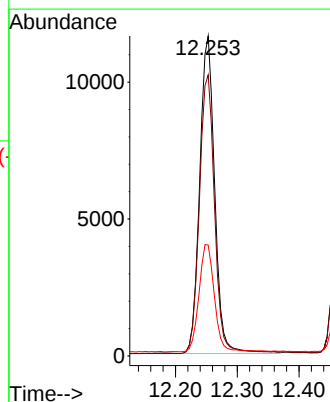
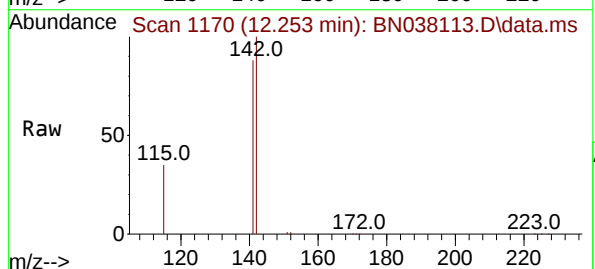
Instrument :
BNA_N
ClientSampleId :
SSTDICCC0.4

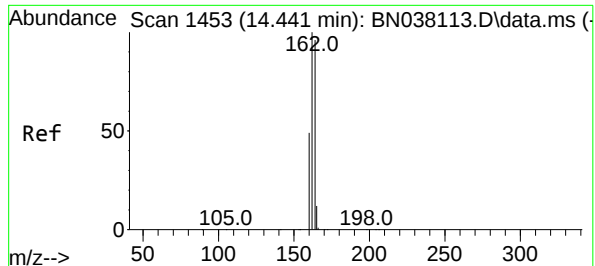
Tgt Ion:152 Resp: 15231
Ion Ratio Lower Upper
152 100
151 21.0 16.8 25.2



#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

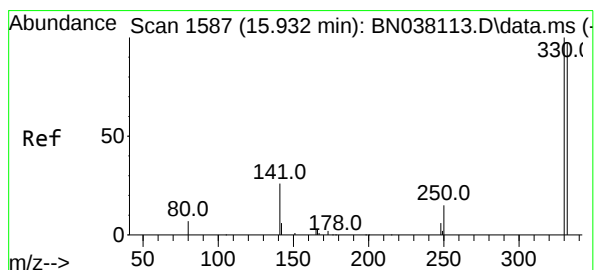
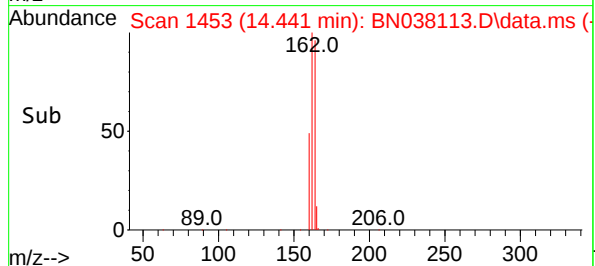
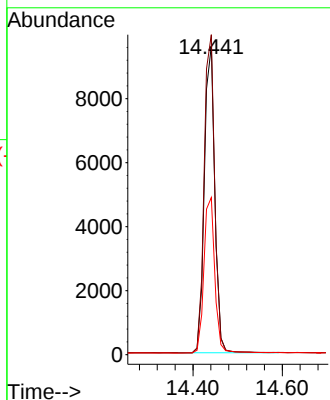
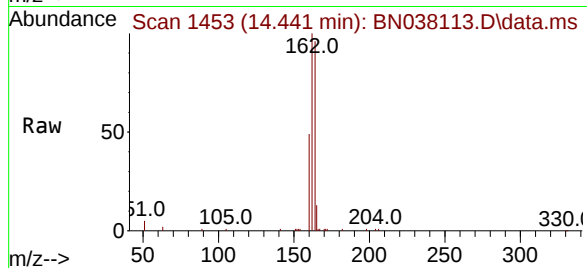




#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.441 min Scan# 1453
Delta R.T. 0.011 min
Lab File: BN038113.D
Acq: 28 Oct 2025 14:13

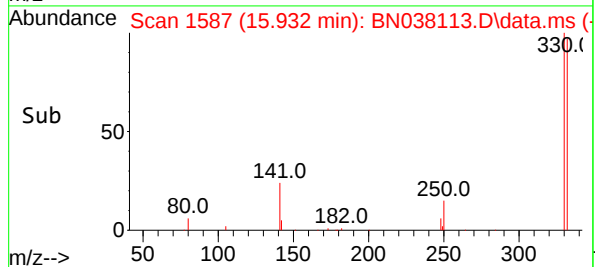
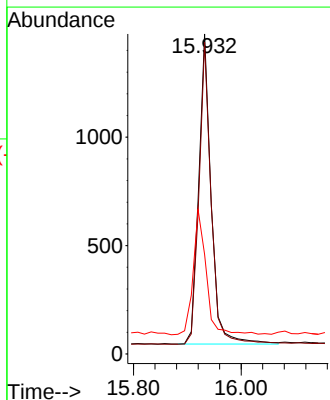
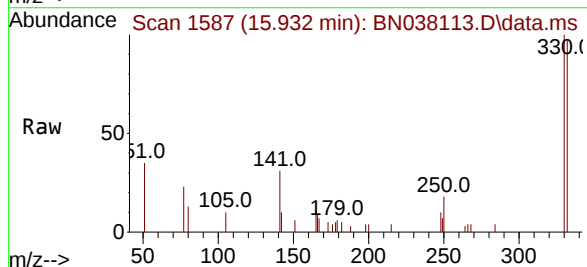
Instrument :
BNA_N
ClientSampleId :
SSTDICCC0.4

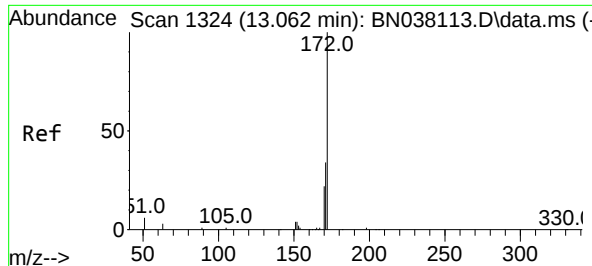
Tgt Ion:164 Resp: 15496
Ion Ratio Lower Upper
164 100
162 103.7 83.0 124.4
160 50.9 40.7 61.1



#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

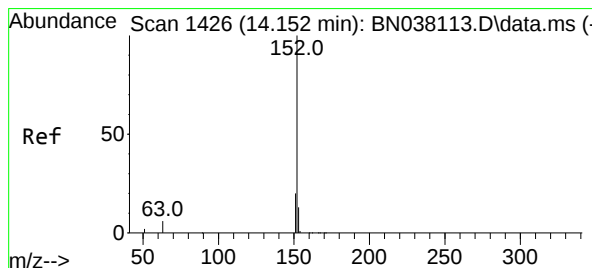
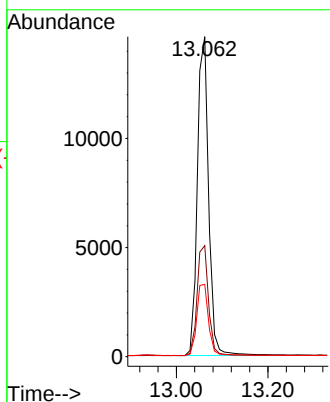
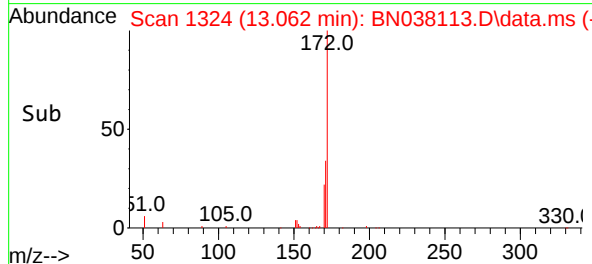
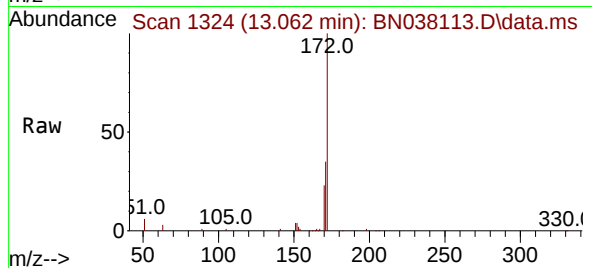




#15
2-Fluorobiphenyl
Concen: 0.394 ng
RT: 13.062 min Scan# 1324
Delta R.T. 0.011 min
Lab File: BN038113.D
Acq: 28 Oct 2025 14:13

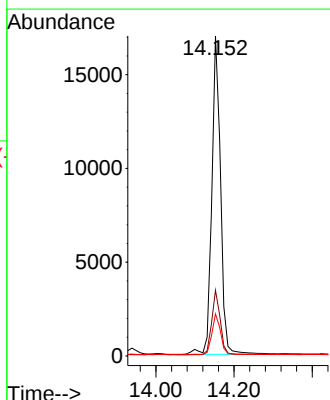
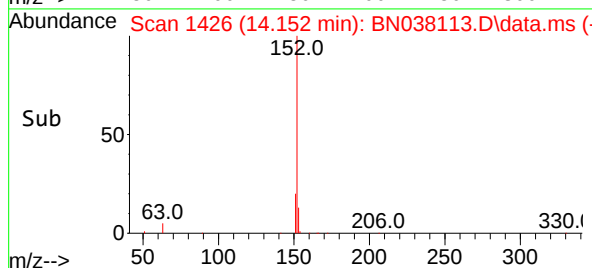
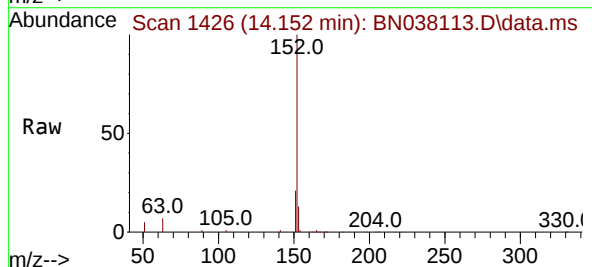
Instrument :
BNA_N
ClientSampleId :
SSTDICCC0.4

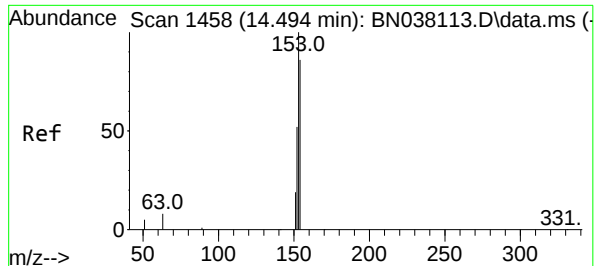
Tgt Ion	Ratio	Lower	Upper
172	100		
171	34.7	27.8	41.6
170	22.6	18.1	27.1



#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

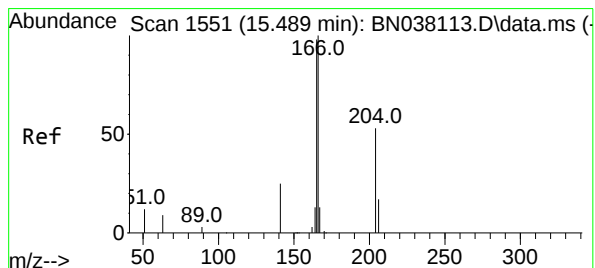
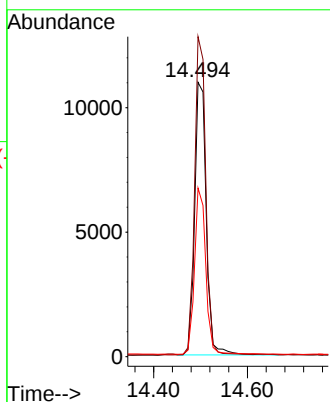
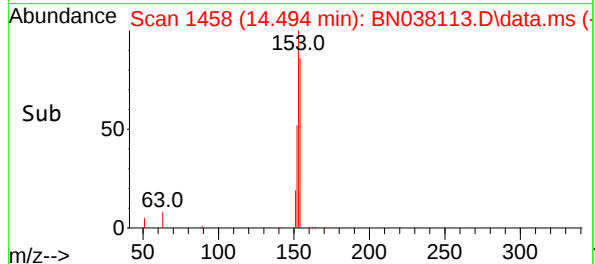
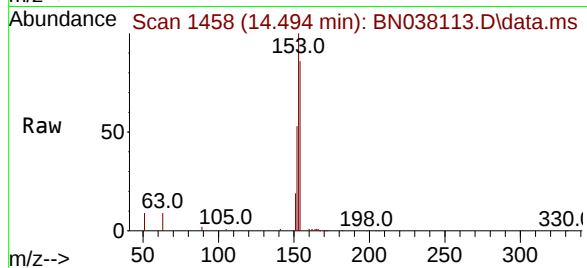




#17
Acenaphthene
Concen: 0.382 ng
RT: 14.494 min Scan# 1458
Delta R.T. -0.000 min
Lab File: BN038113.D
Acq: 28 Oct 2025 14:13

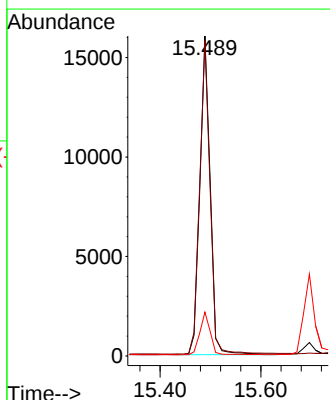
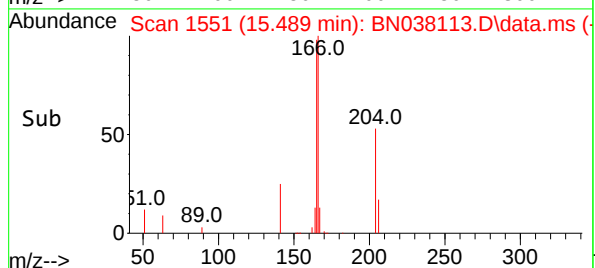
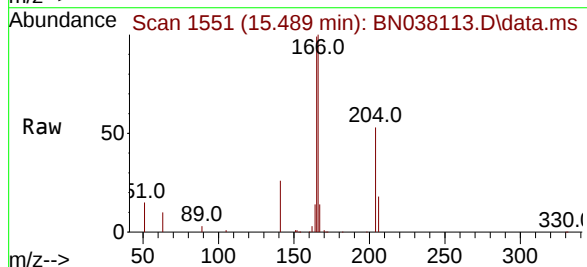
Instrument :
BNA_N
ClientSampleId :
SSTDICCC0.4

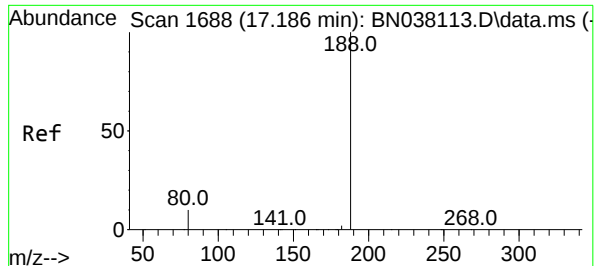
Tgt Ion:154 Resp: 18774
Ion Ratio Lower Upper
154 100
153 112.5 90.0 135.0
152 59.1 47.3 70.9



#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

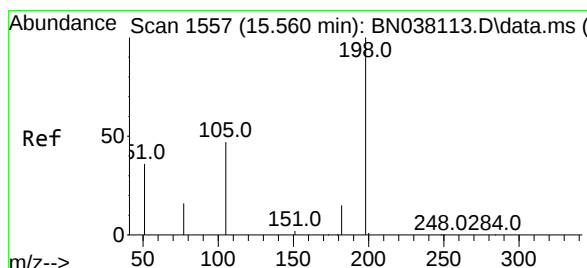
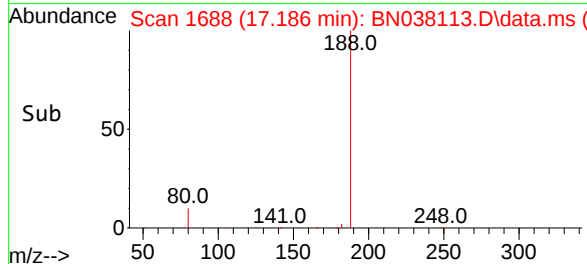
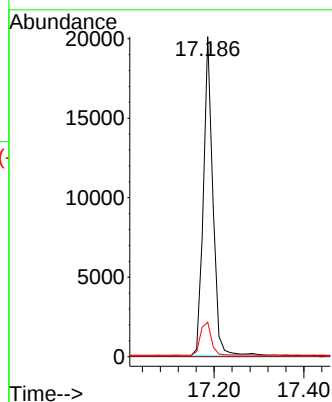
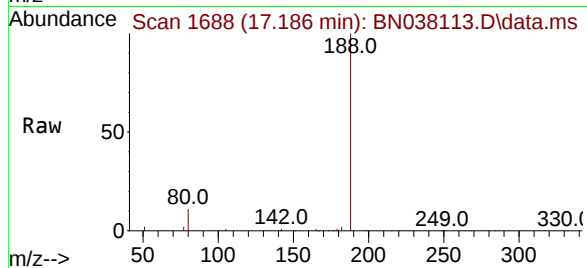
Tgt Ion:188 Resp: 29547

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

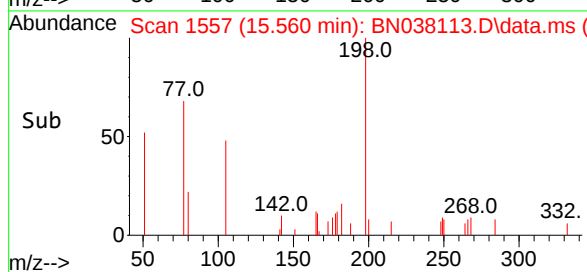
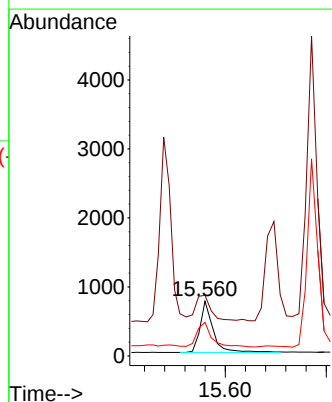
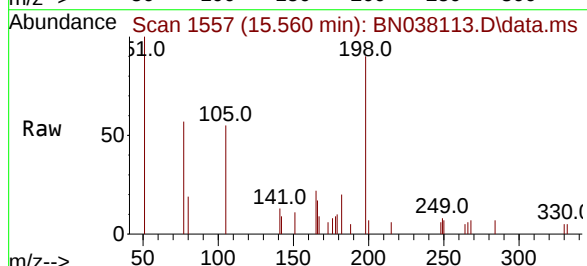
Tgt Ion:198 Resp: 1329

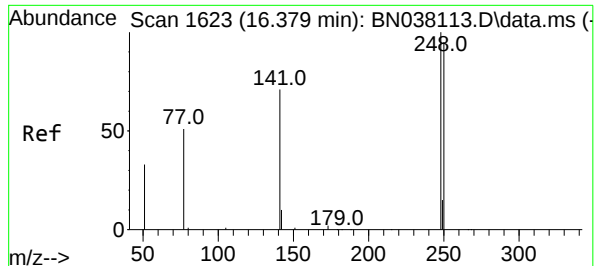
Ion Ratio Lower Upper

198 100

51 111.1 88.9 133.3

105 61.5 49.2 73.8

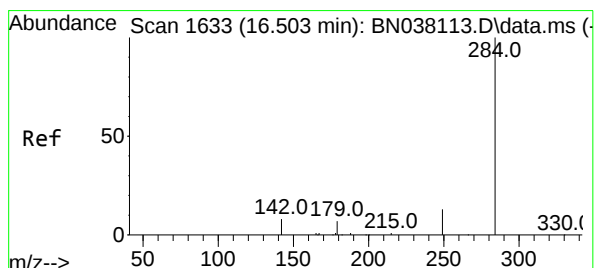
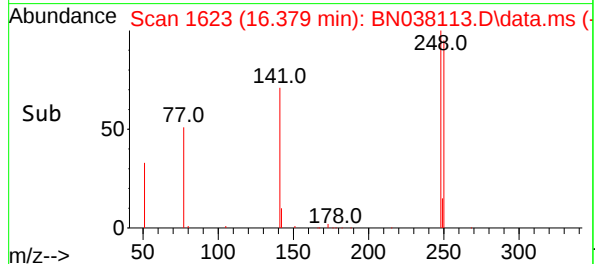
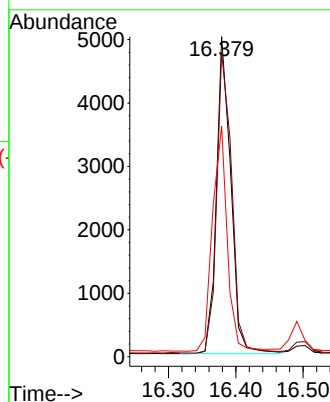
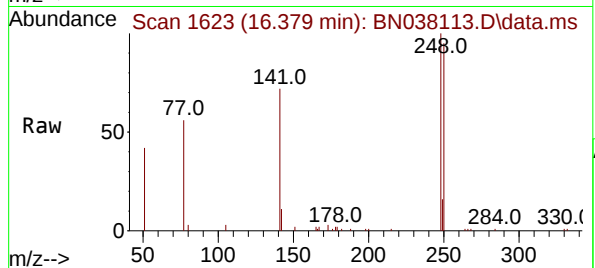




#21
4-Bromophenyl-phenylether
Concen: 0.381 ng
RT: 16.379 min Scan# 1623
Delta R.T. -0.000 min
Lab File: BN038113.D
Acq: 28 Oct 2025 14:13

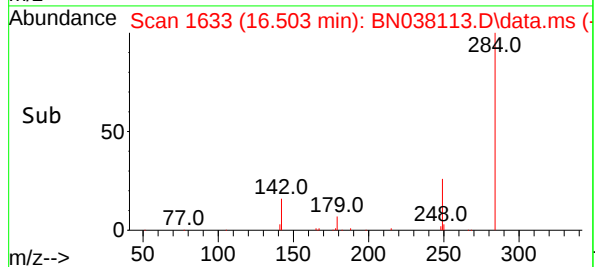
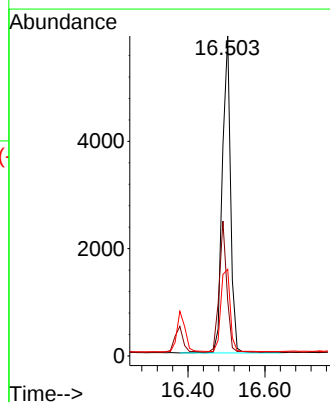
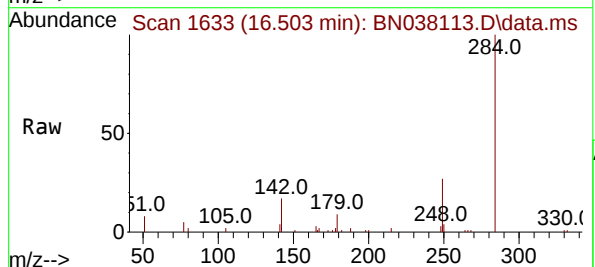
Instrument :
BNA_N
ClientSampleId :
SSTDICCC0.4

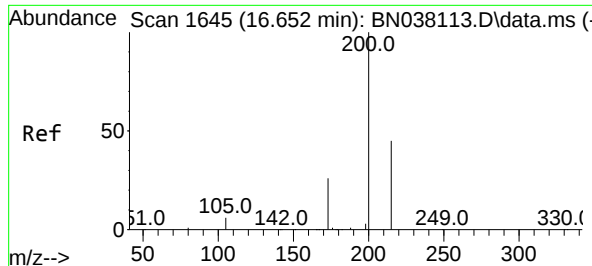
Tgt Ion:248 Resp: 7383
Ion Ratio Lower Upper
248 100
250 95.2 76.2 114.2
141 72.0 57.6 86.4



#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

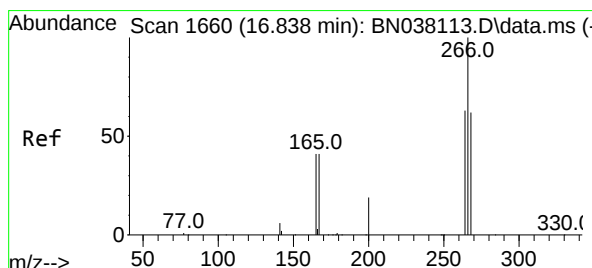
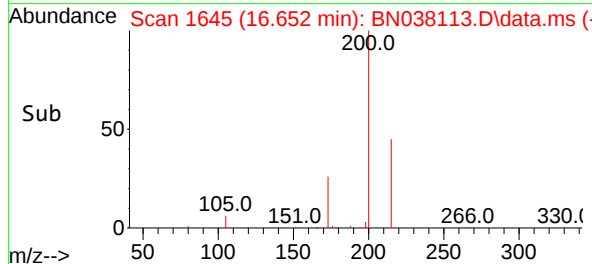
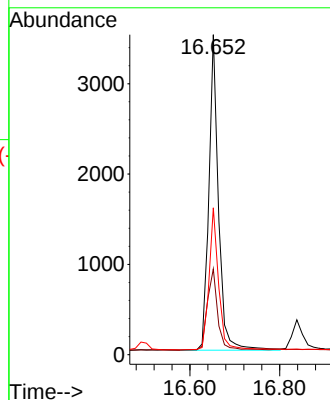
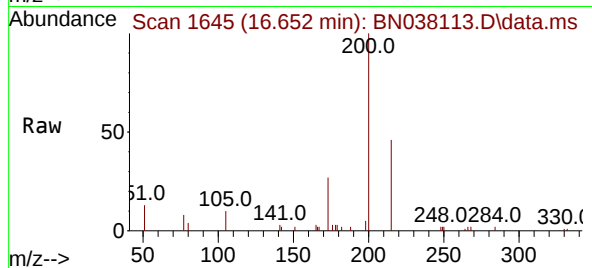




#23
Atrazine
Concen: 0.365 ng
RT: 16.652 min Scan# 1645
Delta R.T. -0.000 min
Lab File: BN038113.D
Acq: 28 Oct 2025 14:13

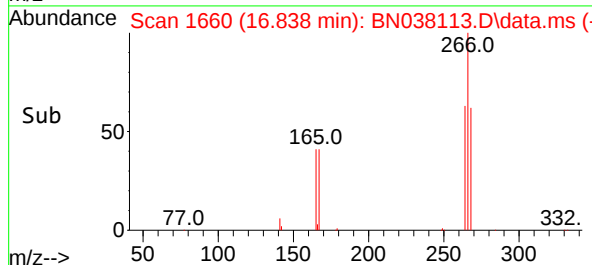
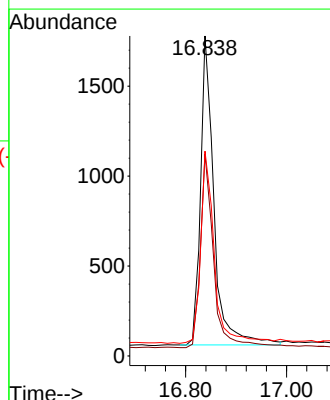
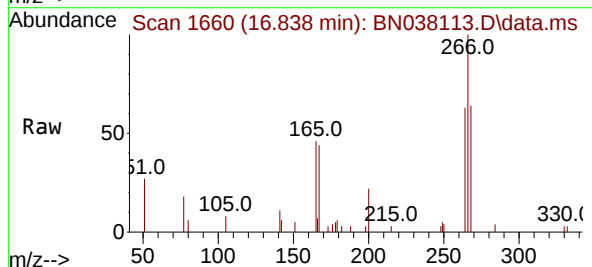
Instrument :
BNA_N
ClientSampleId :
SSTDICCC0.4

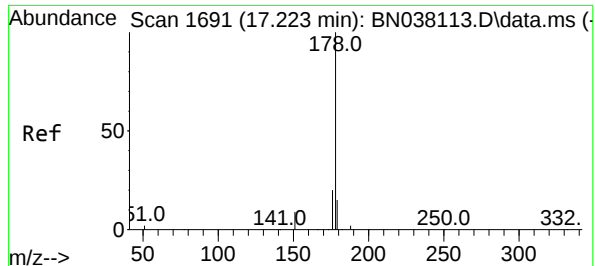
Tgt Ion:200 Resp: 5175
Ion Ratio Lower Upper
200 100
173 26.8 21.4 32.2
215 45.9 36.7 55.1



#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:266 Resp: 3182
Ion Ratio Lower Upper
266 100
264 61.6 49.3 73.9
268 63.2 50.6 75.8

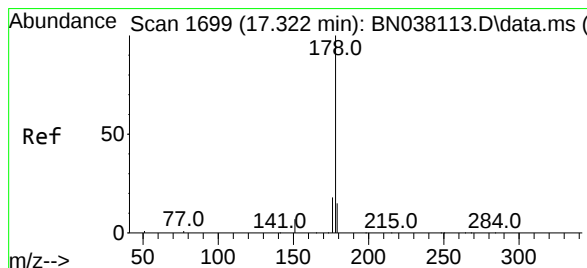
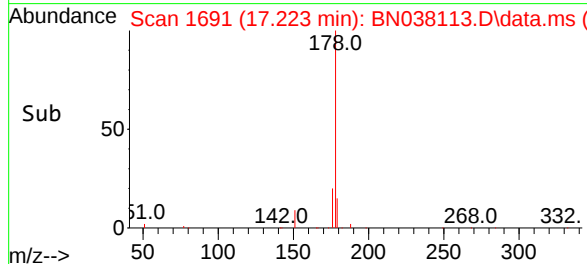
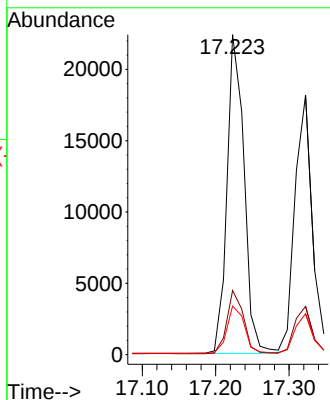
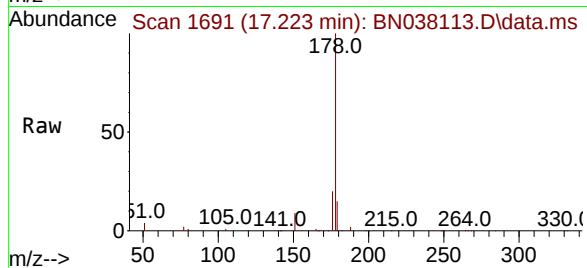




#25
Phenanthrene
Concen: 0.385 ng
RT: 17.223 min Scan# 1691
Delta R.T. -0.000 min
Lab File: BN038113.D
Acq: 28 Oct 2025 14:13

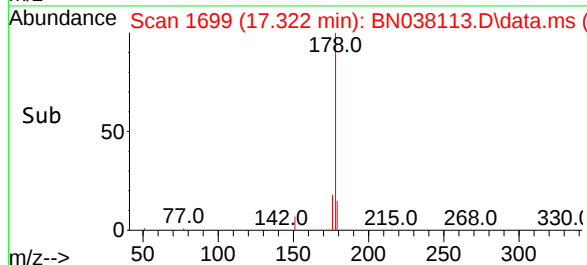
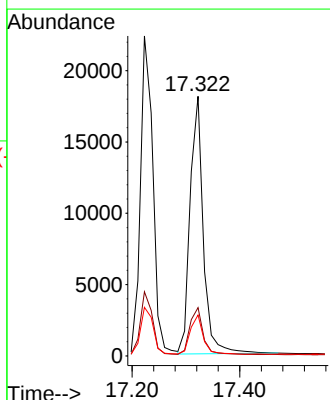
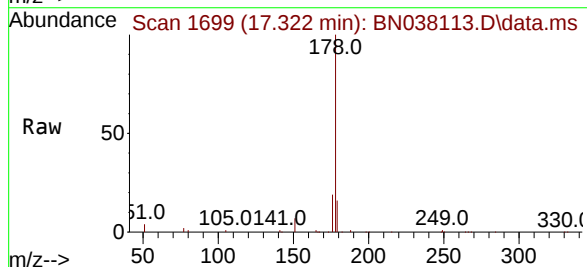
Instrument :
BNA_N
ClientSampleId :
SSTDICCC0.4

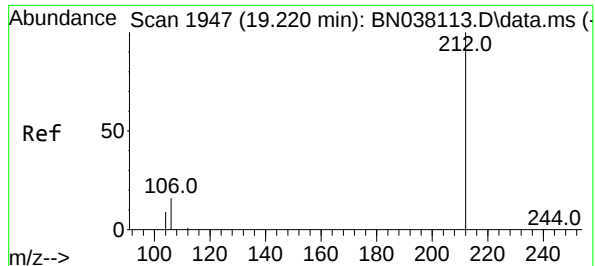
Tgt Ion:178 Resp: 36093
Ion Ratio Lower Upper
178 100
176 19.4 15.5 23.3
179 15.3 12.2 18.4



#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

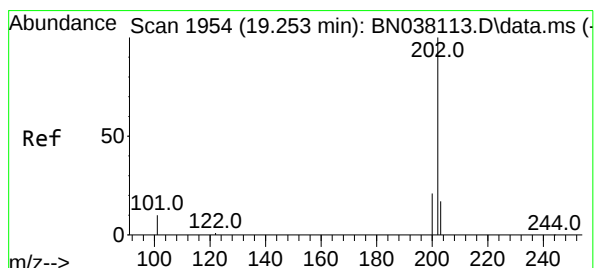
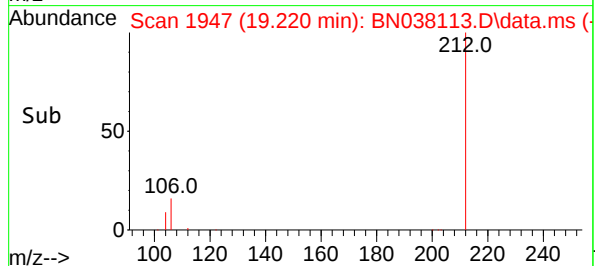
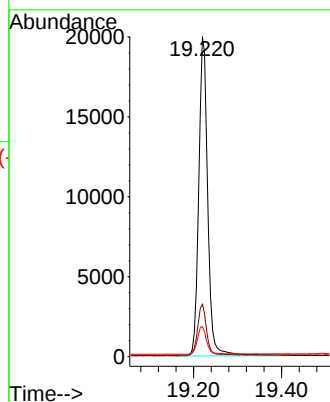
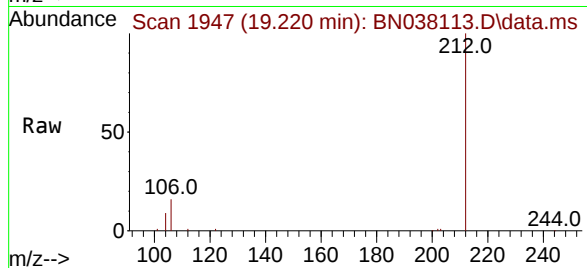
Tgt Ion:212 Resp: 28227

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

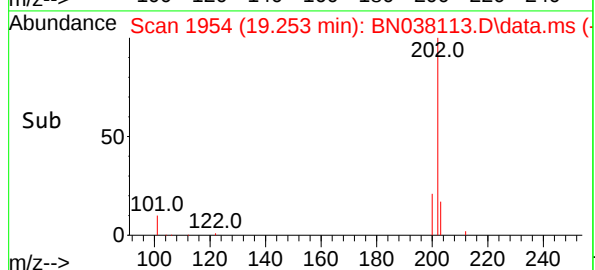
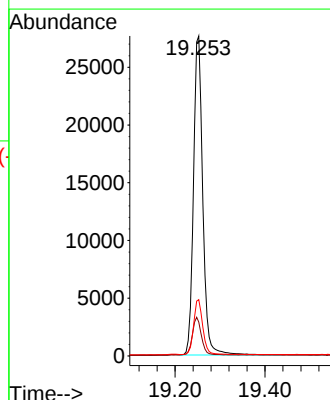
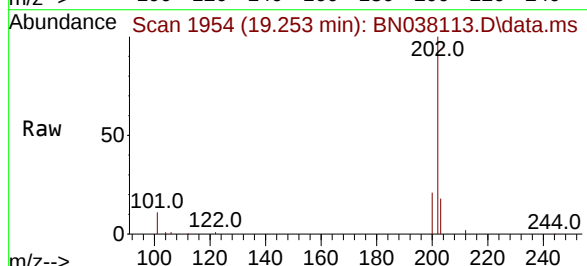
Tgt Ion:202 Resp: 39664

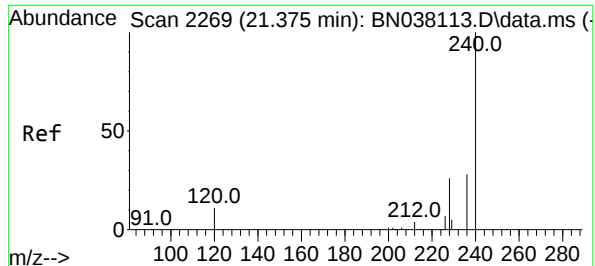
Ion Ratio Lower Upper

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

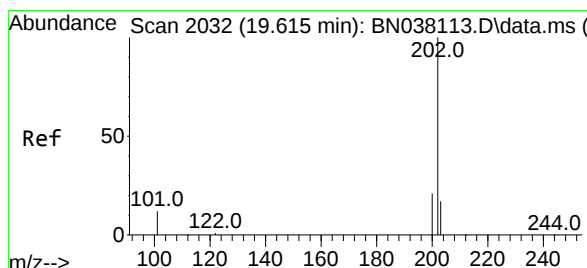
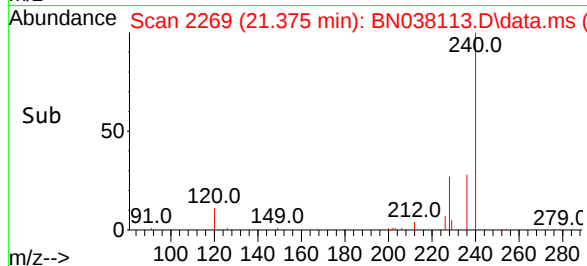
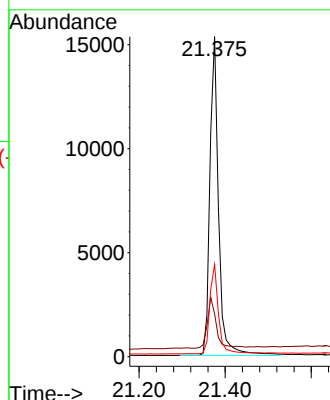
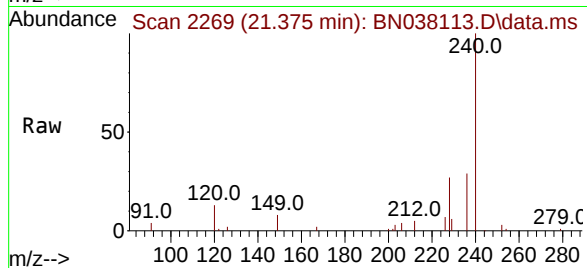
Tgt Ion:240 Resp: 21529

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

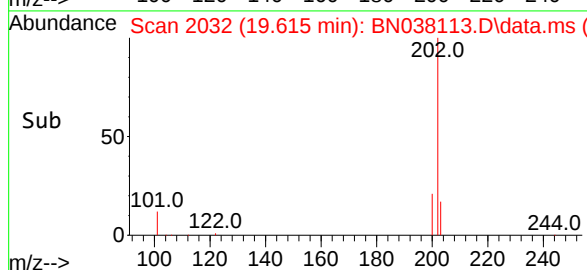
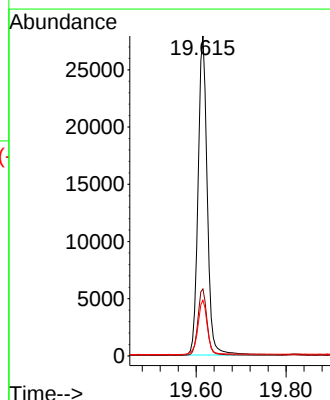
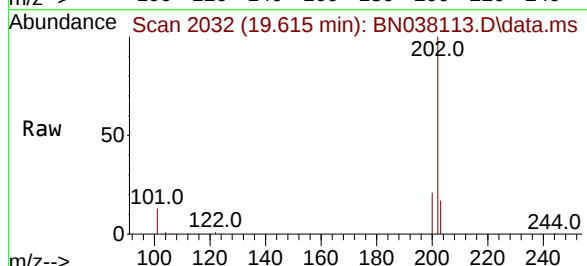
Tgt Ion:202 Resp: 39644

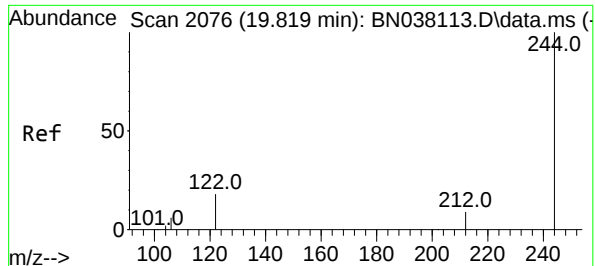
Ion Ratio Lower Upper

202 100

200 20.9 16.7 25.1

203 17.7 14.2 21.2

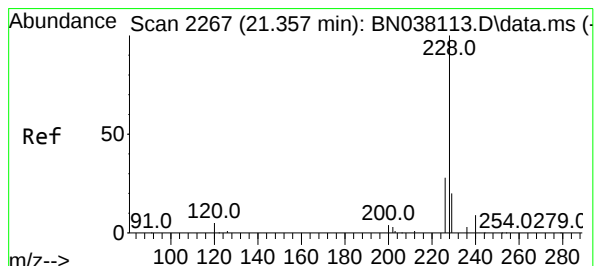
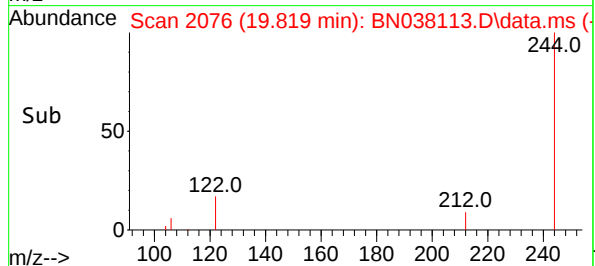
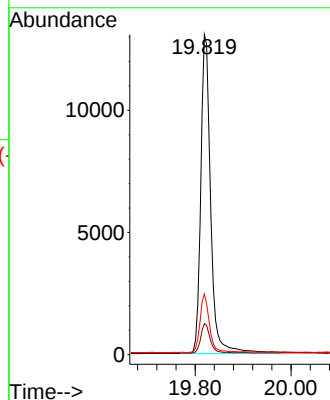
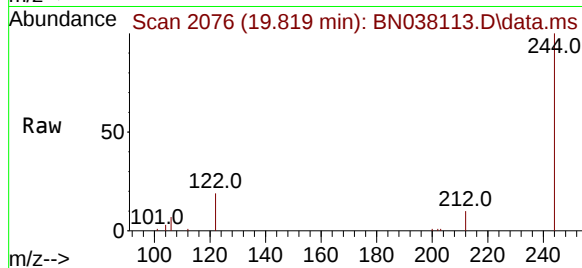




#31
Terphenyl-d14
Concen: 0.401 ng
RT: 19.819 min Scan# 2076
Delta R.T. -0.000 min
Lab File: BN038113.D
Acq: 28 Oct 2025 14:13

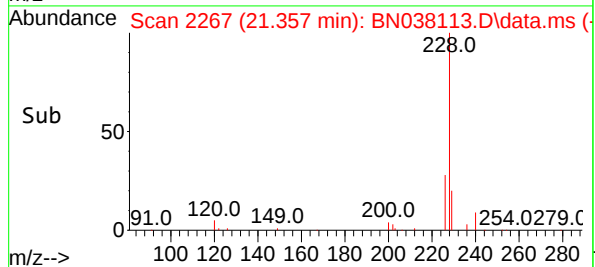
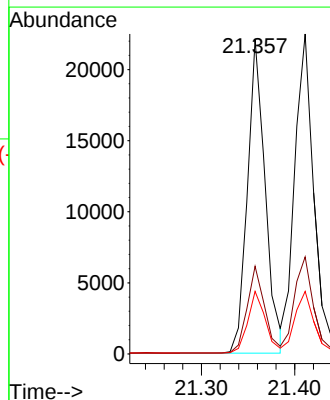
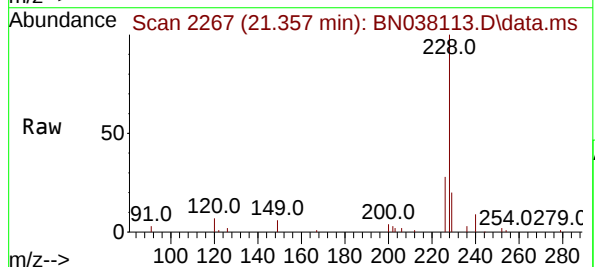
Instrument :
BNA_N
ClientSampleId :
SSTDICCC0.4

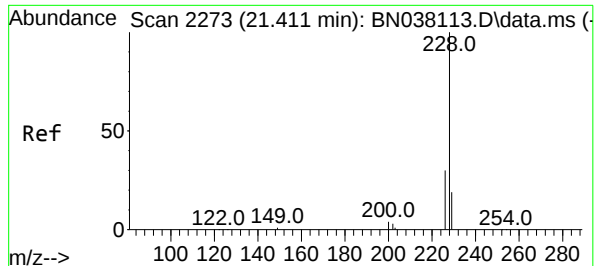
Tgt Ion:244 Resp: 18767
Ion Ratio Lower Upper
244 100
212 9.7 7.8 11.6
122 19.0 15.2 22.8



#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

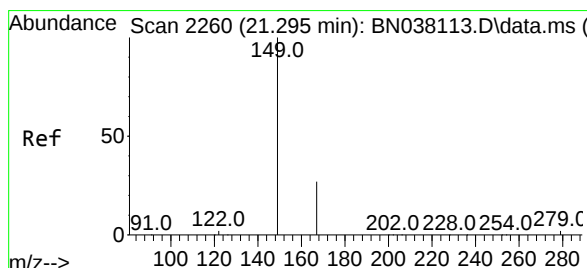
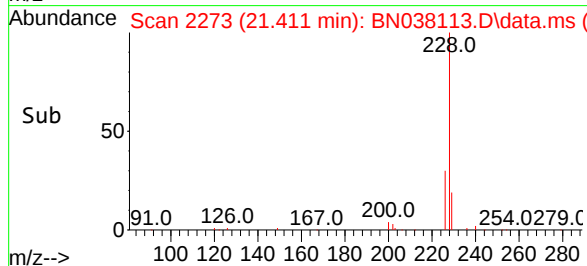
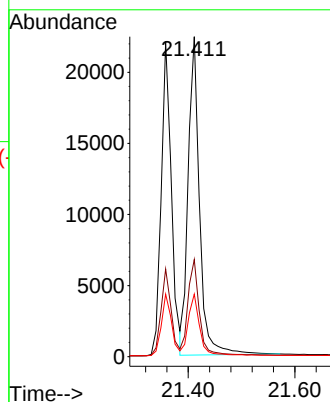
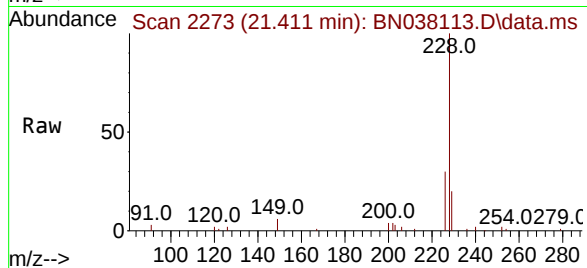
Tgt Ion:228 Resp: 33214

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

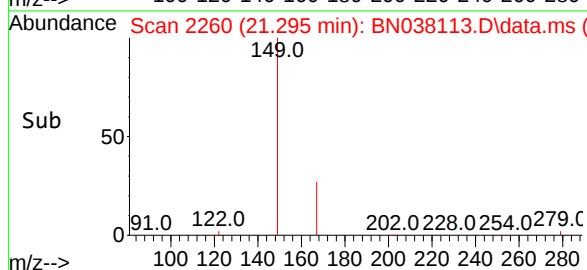
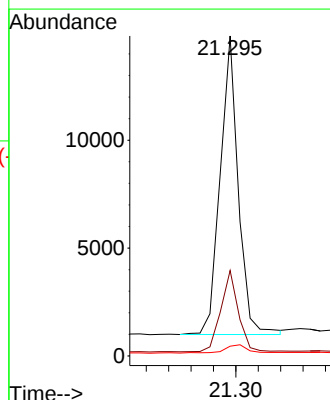
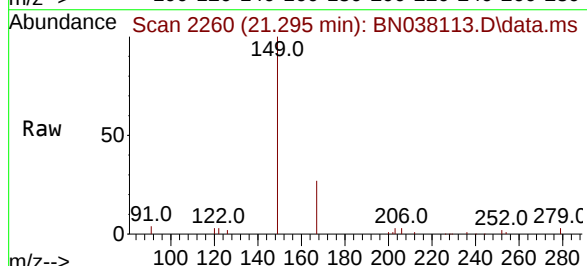
Tgt Ion:149 Resp: 15540

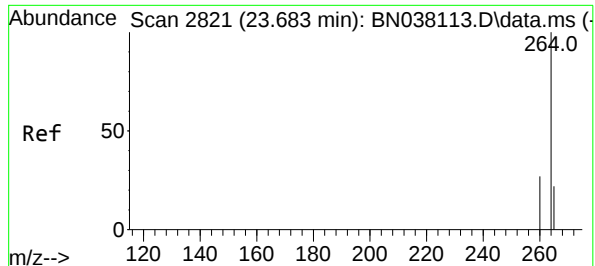
Ion Ratio Lower Upper

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

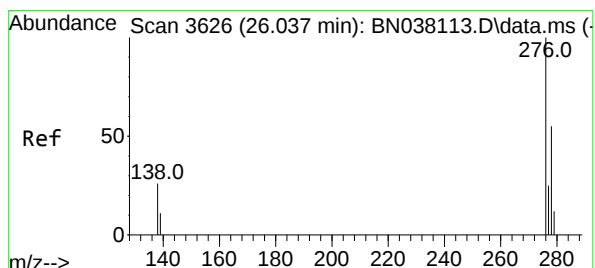
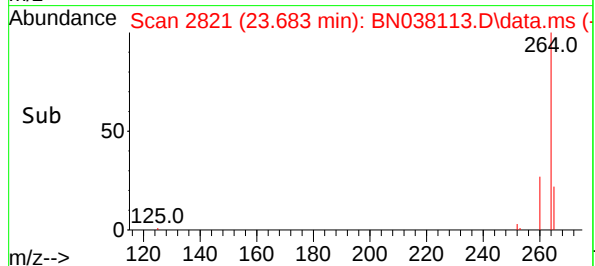
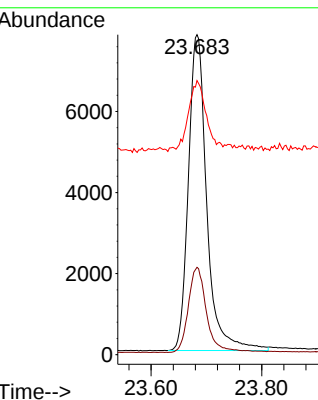
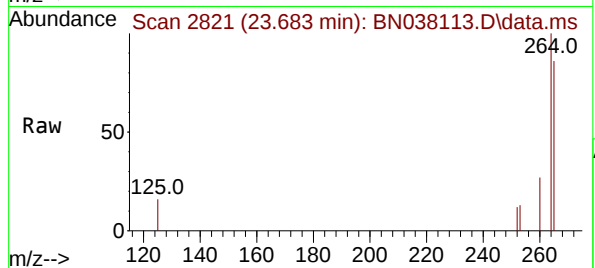
Tgt Ion:264 Resp: 17966

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

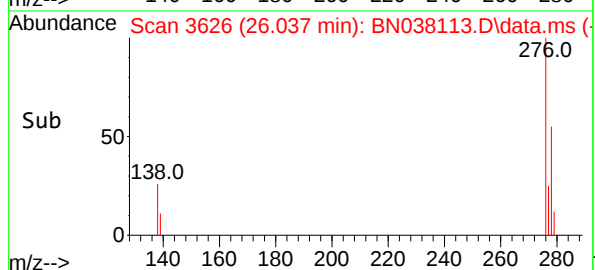
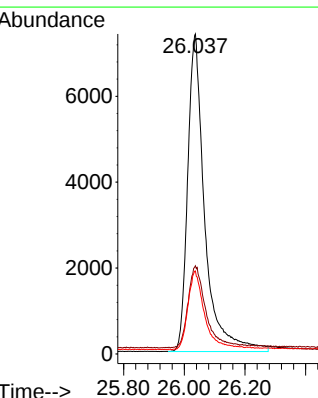
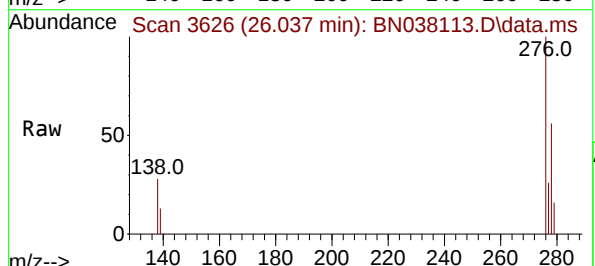
Tgt Ion:276 Resp: 28812

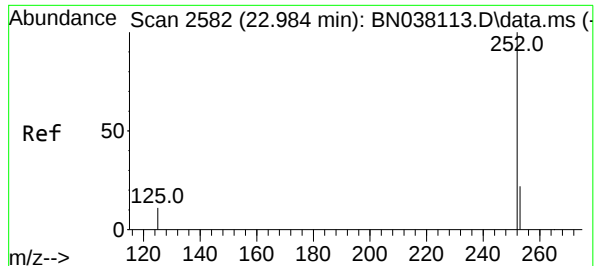
Ion Ratio Lower Upper

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

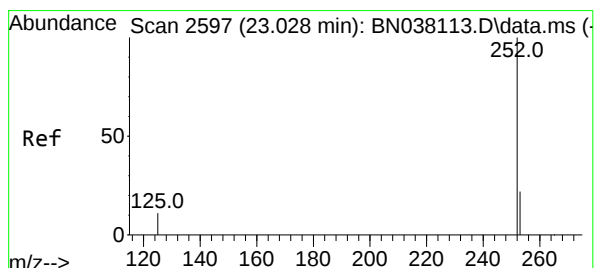
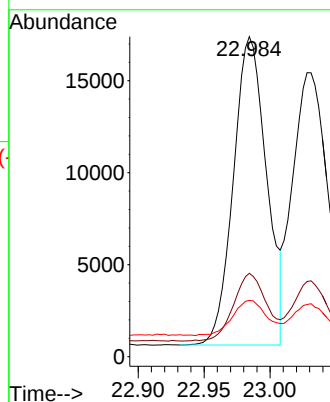
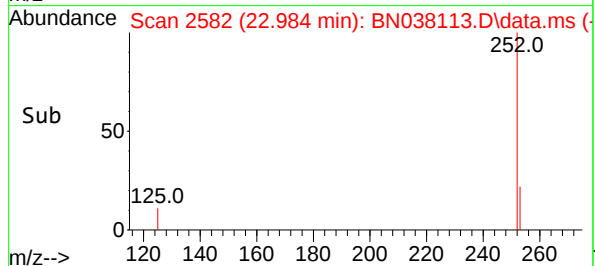
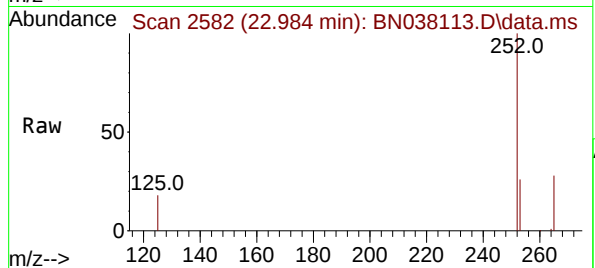
Tgt Ion:252 Resp: 29283

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

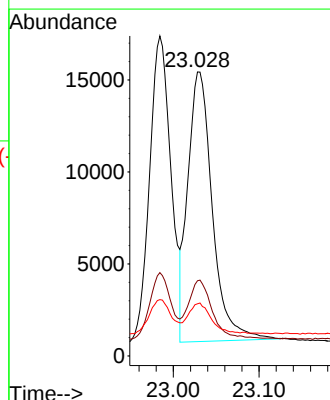
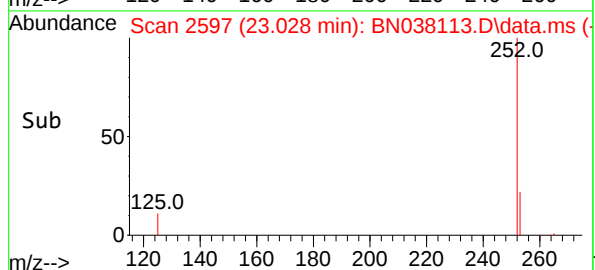
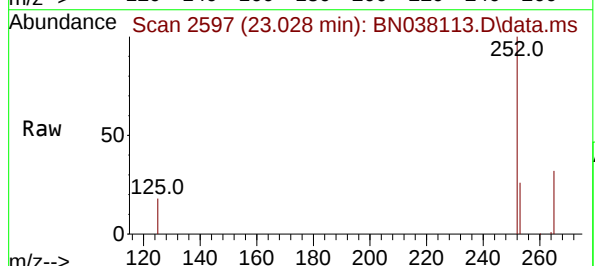
Tgt Ion:252 Resp: 29088

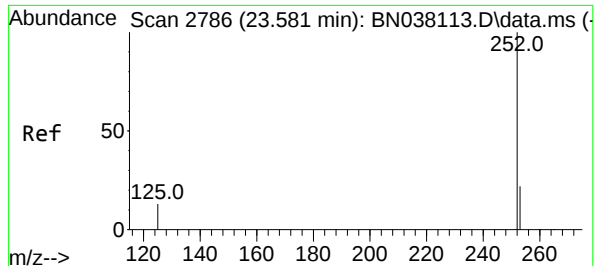
Ion Ratio Lower Upper

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

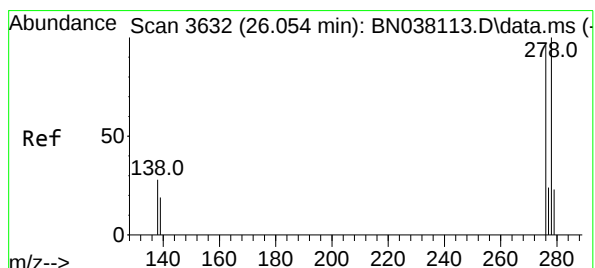
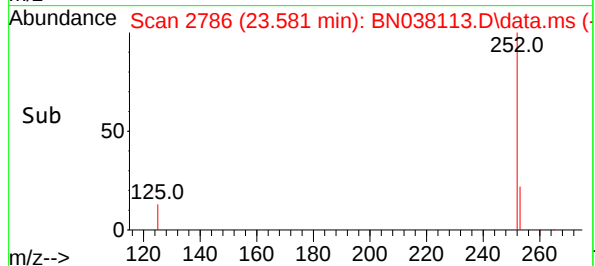
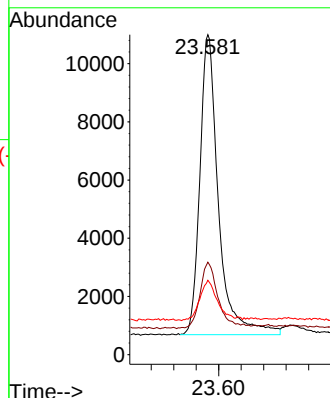
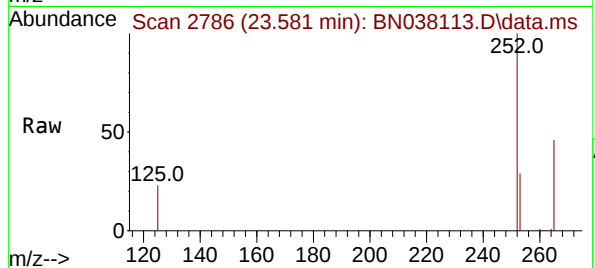
Tgt Ion:252 Resp: 23635

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

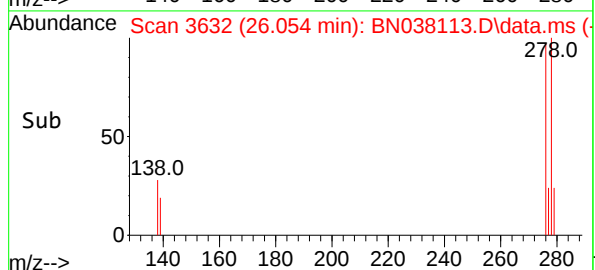
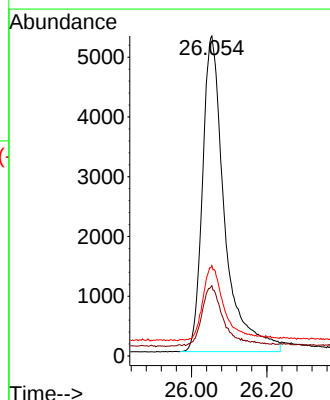
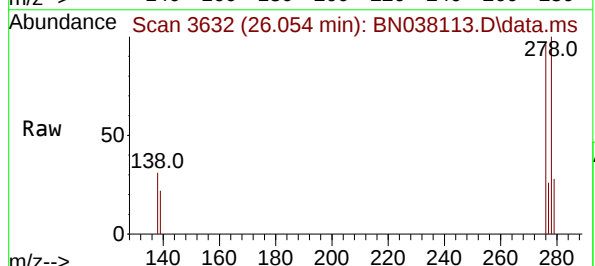
Tgt Ion:278 Resp: 21487

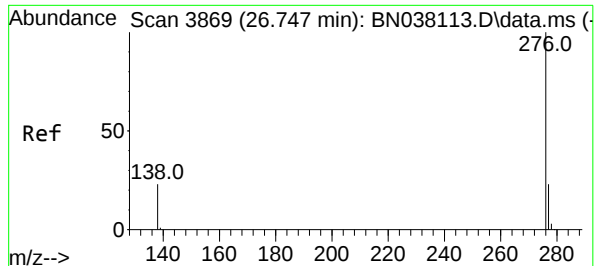
Ion Ratio Lower Upper

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

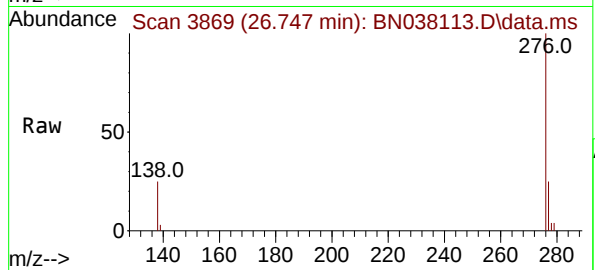
Acq: 28 Oct 2025 14:13

Instrument :

BNA_N

ClientSampleId :

SSTDICCC0.4



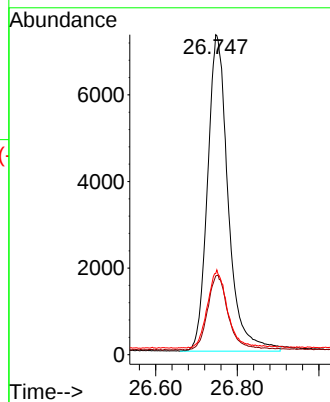
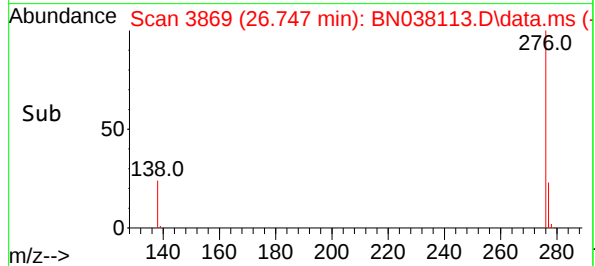
Tgt Ion:276 Resp: 25622

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

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 10/29/2025

Supervised By :mohammad ahmed 10/30/2025

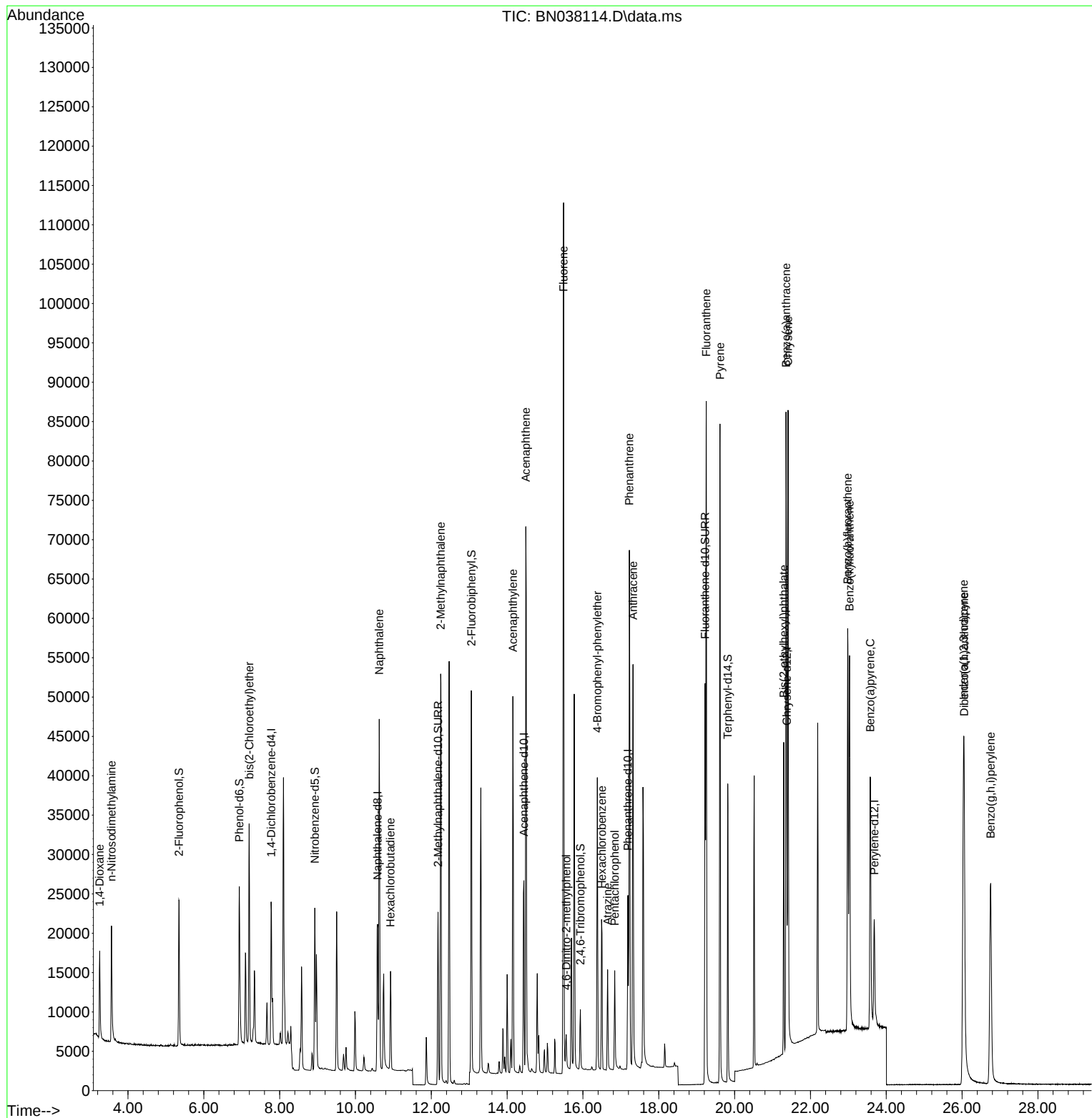
Quant Time: Oct 28 17:31:46 2025

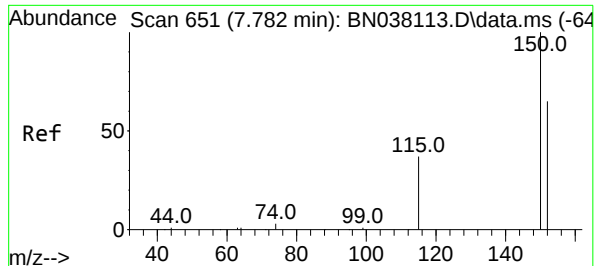
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN102825.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Tue Oct 28 17:15:13 2025

Response via : Initial Calibration





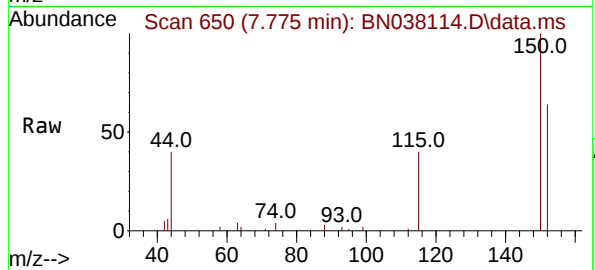
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.775 min Scan# 61
Delta R.T. -0.000 min
Lab File: BN038114.D
Acq: 28 Oct 2025 14:49

Instrument :

BNA_N

ClientSampleId :

SSTDICC0.8

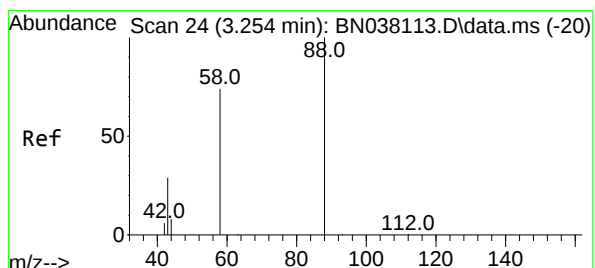
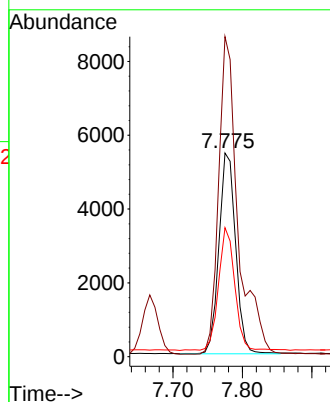
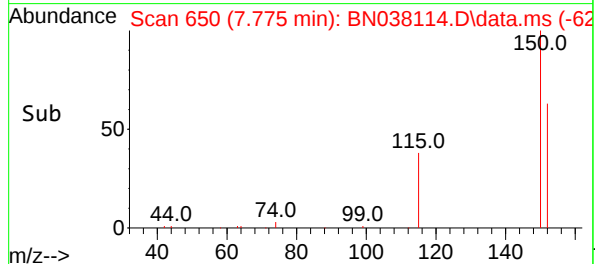


Tgt Ion:152 Resp: 9110
Ion Ratio Lower Upper
152 100
150 157.1 122.3 183.5
115 63.4 47.4 71.0

Manual Integrations

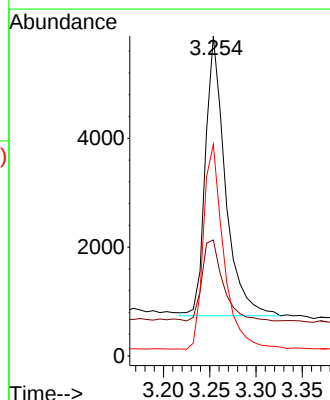
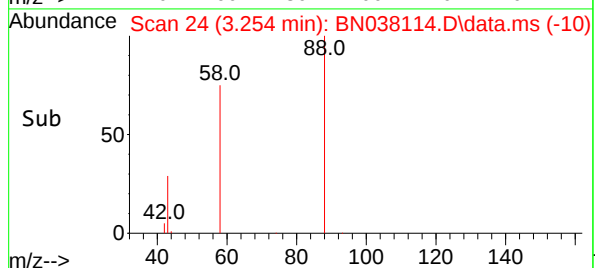
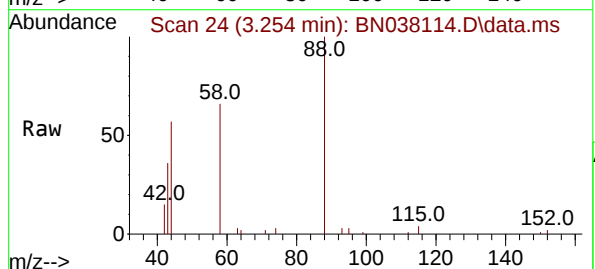
APPROVED

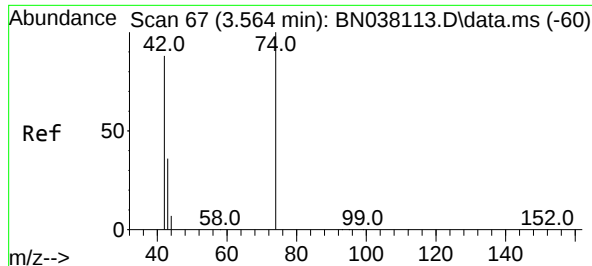
Reviewed By :Rahul Chavli 10/29/2025
Supervised By :mohammad ahmed 10/30/2025



#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

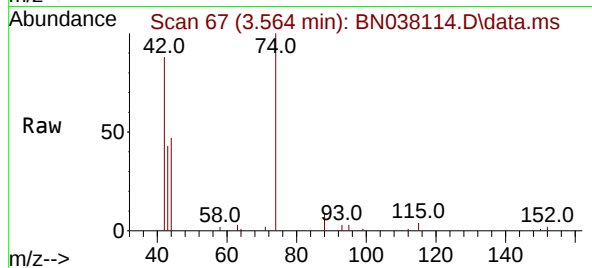
Tgt Ion: 88 Resp: 7707
Ion Ratio Lower Upper
88 100
43 30.6 24.3 36.5
58 74.3 60.4 90.6





#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

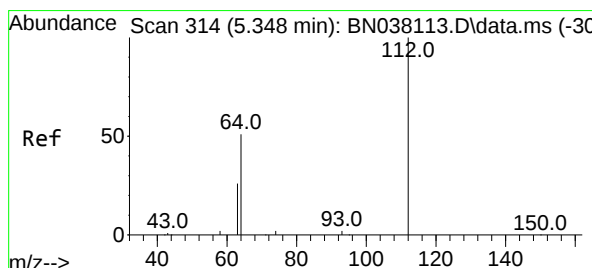
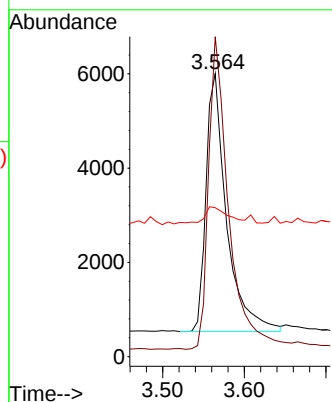
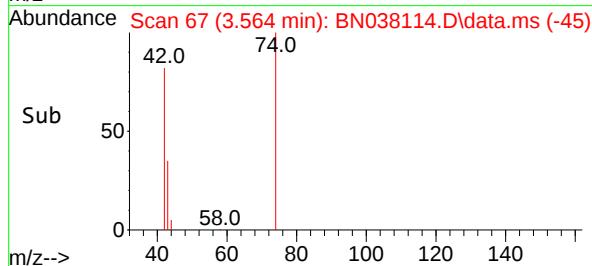
Instrument :
BNA_N
ClientSampleId :
SSTDICC0.8



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

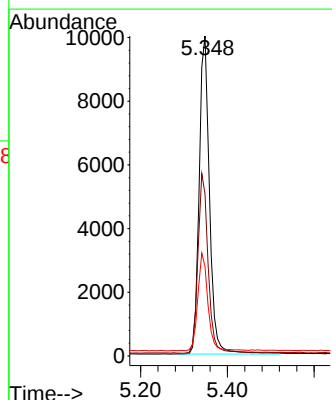
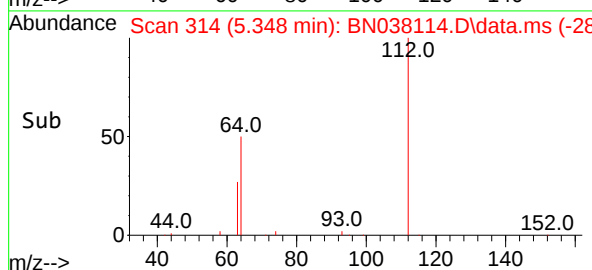
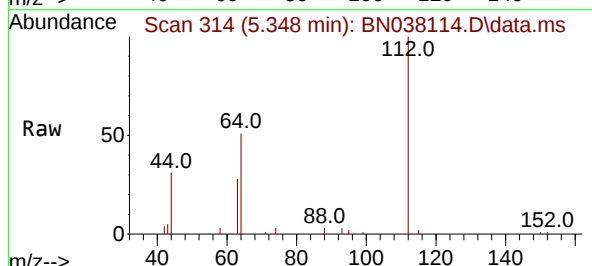
Manual Integrations
APPROVED

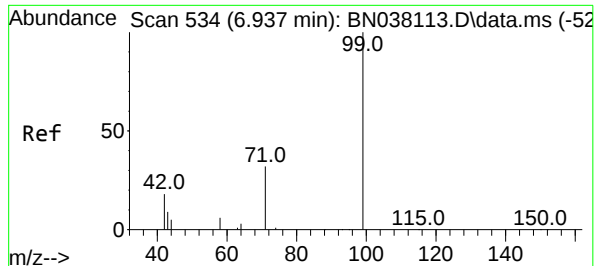
Reviewed By :Rahul Chavli 10/29/2025
Supervised By :mohammad ahmed 10/30/2025



#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





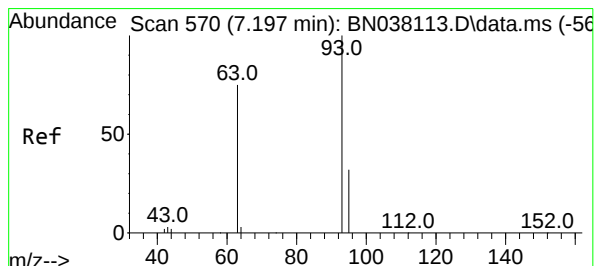
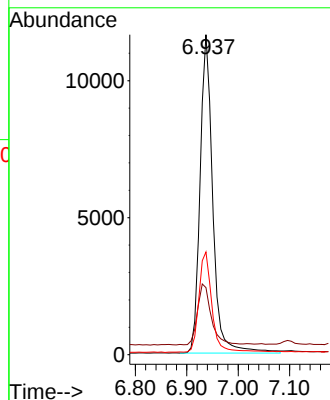
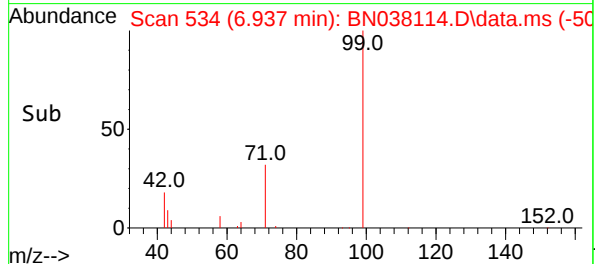
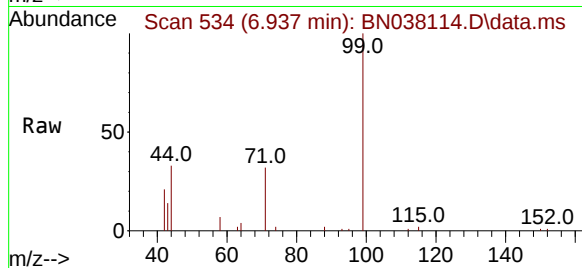
#5
Phenol-d6
Concen: 0.765 ng
RT: 6.937 min Scan# 51
Delta R.T. -0.000 min
Lab File: BN038114.D
Acq: 28 Oct 2025 14:49

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

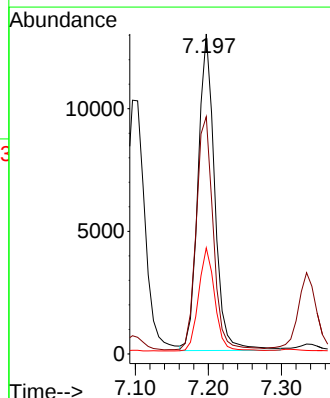
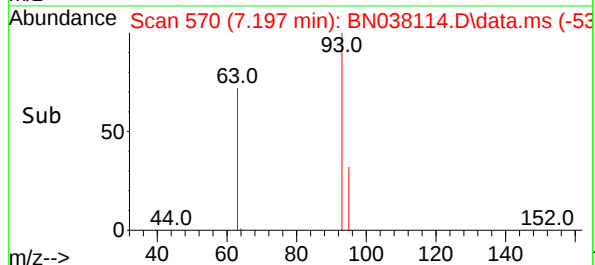
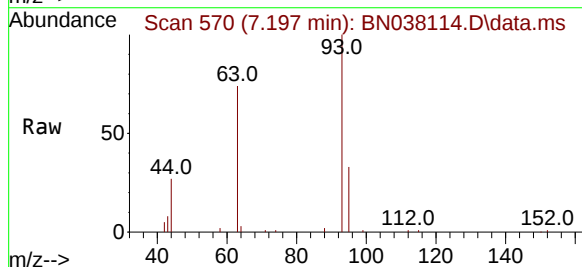
Manual Integrations
APPROVED

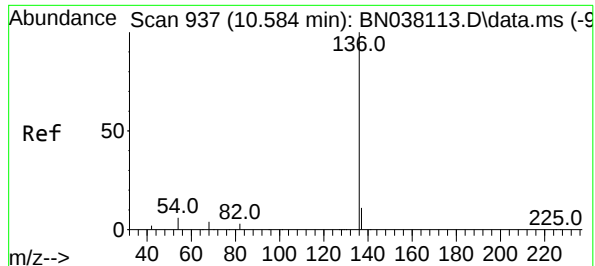
Reviewed By :Rahul Chavli 10/29/2025
Supervised By :mohammad ahmed 10/30/2025



#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

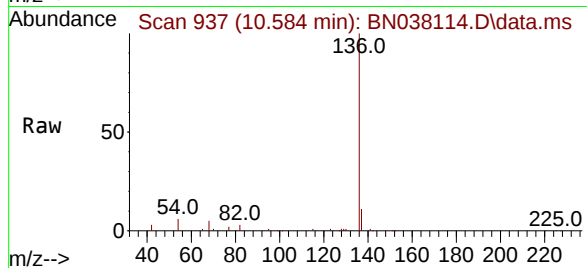
Tgt Ion: 93 Resp: 20444
Ion Ratio Lower Upper
93 100
63 75.0 59.3 88.9
95 31.6 25.2 37.8





#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

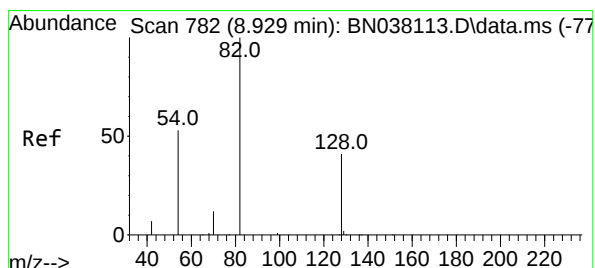
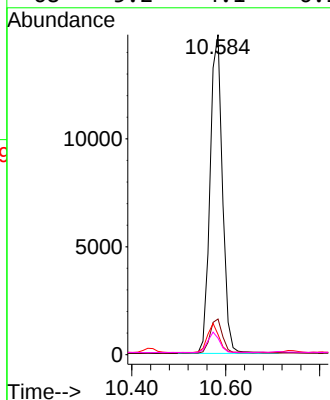
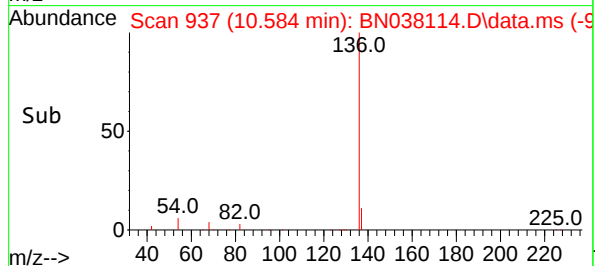
Instrument :
BNA_N
ClientSampleId :
SSTDICC0.8



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

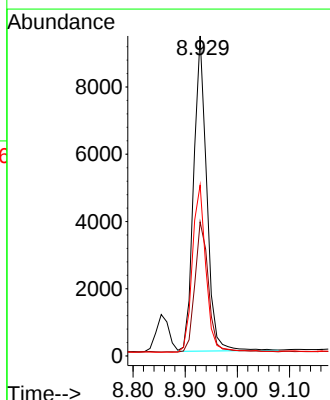
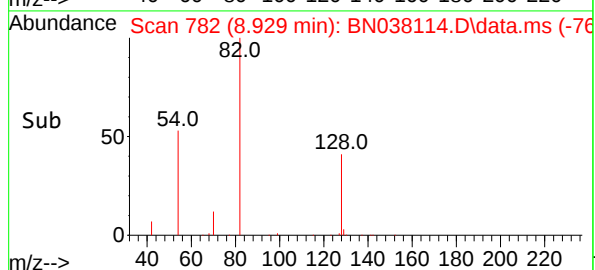
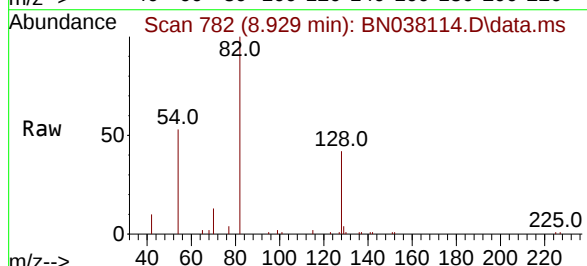
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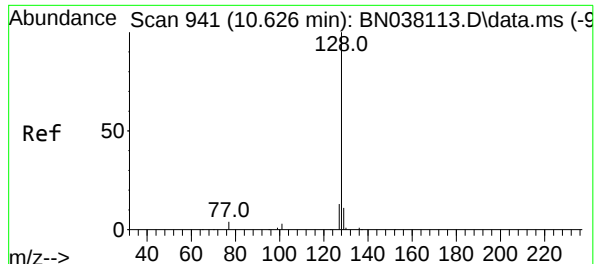
Reviewed By :Rahul Chavli 10/29/2025
Supervised By :mohammad ahmed 10/30/2025



#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





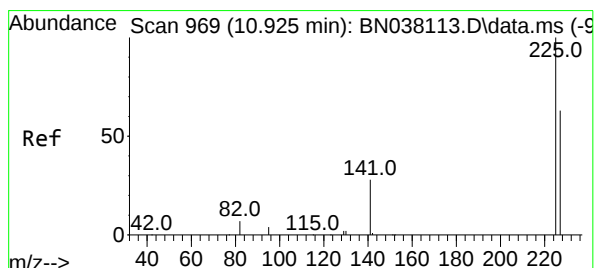
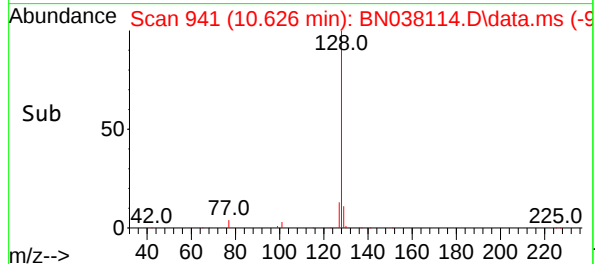
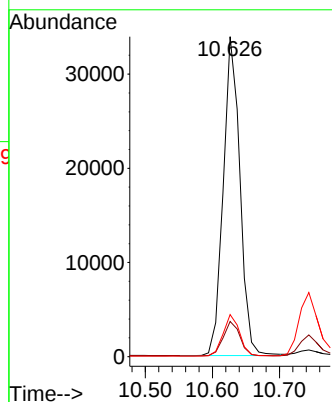
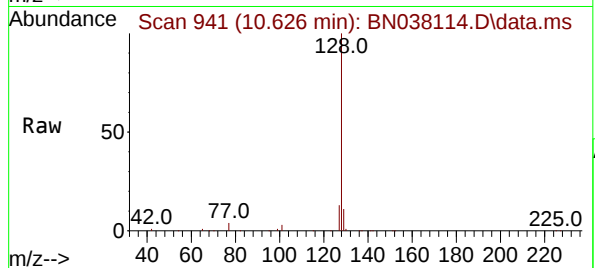
#9
Naphthalene
Concen: 0.784 ng
RT: 10.626 min Scan# 941
Delta R.T. -0.000 min
Lab File: BN038114.D
Acq: 28 Oct 2025 14:49

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

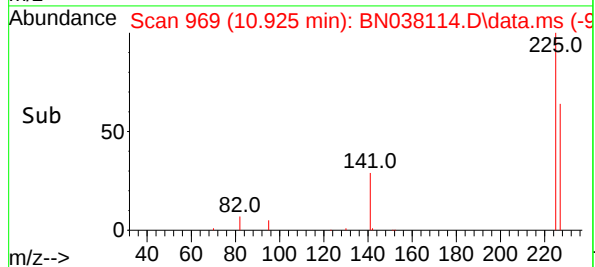
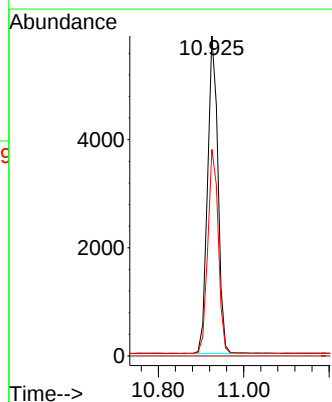
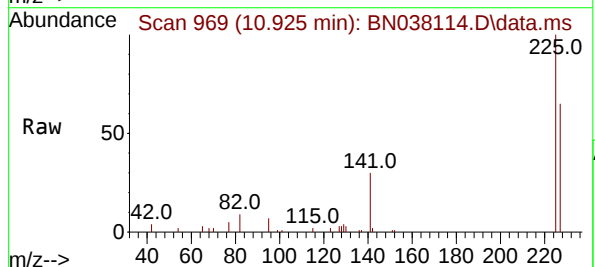
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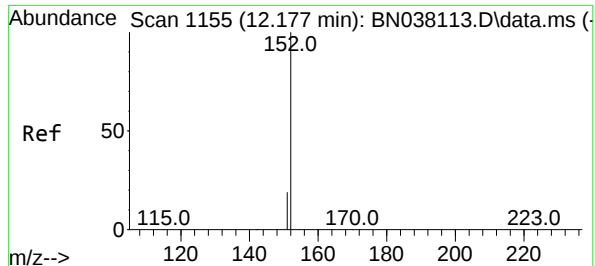
Reviewed By :Rahul Chavli 10/29/2025
Supervised By :mohammad ahmed 10/30/2025



#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

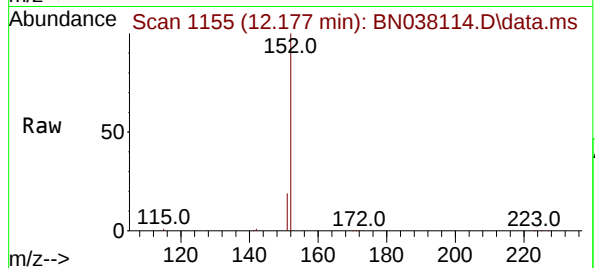
Tgt Ion:225 Resp: 9875
Ion Ratio Lower Upper
225 100
223 0.0 0.0 0.0
227 64.8 50.3 75.5





#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

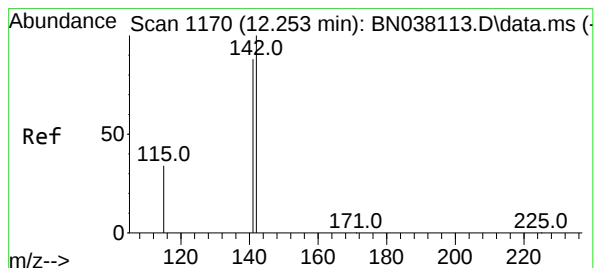
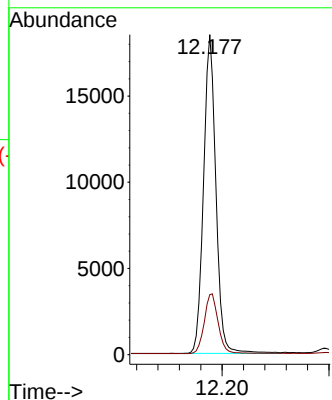
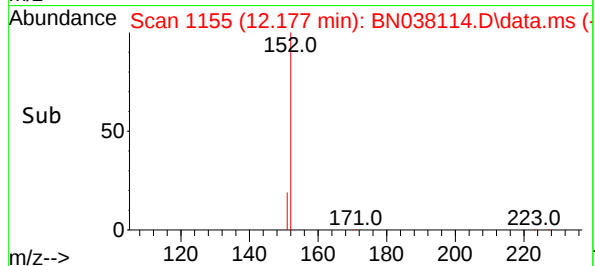
Instrument :
BNA_N
ClientSampleId :
SSTDICC0.8



Tgt Ion:152 Resp: 29800
Ion Ratio Lower Upper
152 100
151 21.2 16.8 25.2

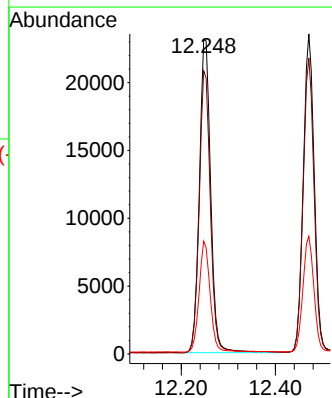
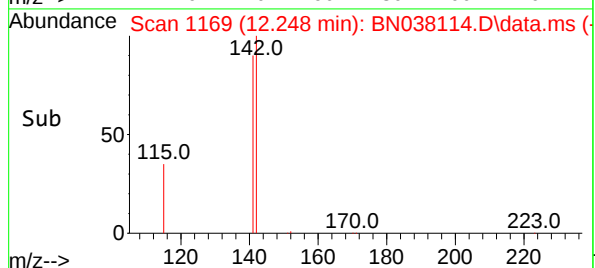
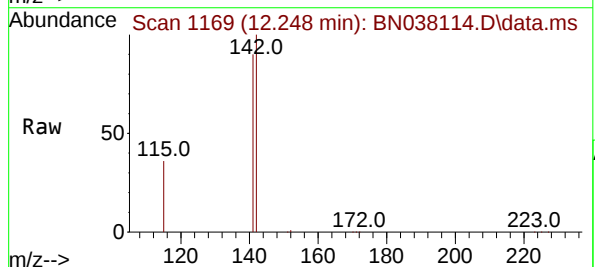
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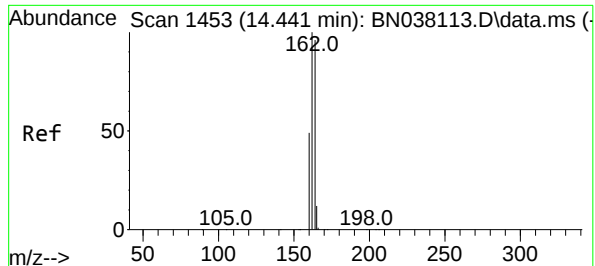
Reviewed By :Rahul Chavli 10/29/2025
Supervised By :mohammad ahmed 10/30/2025



#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

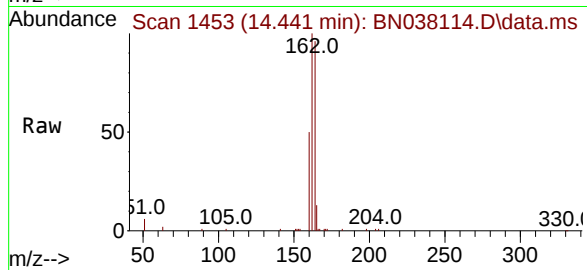
Tgt Ion:142 Resp: 38674
Ion Ratio Lower Upper
142 100
141 90.1 70.3 105.5
115 35.9 27.8 41.6





#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

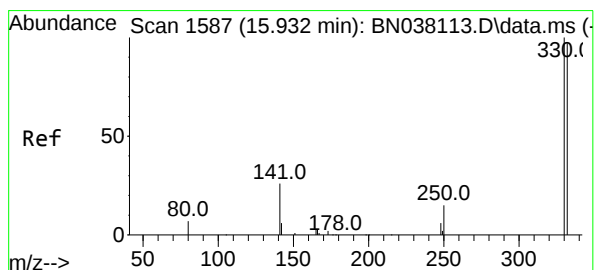
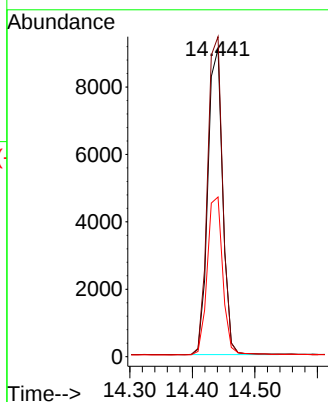
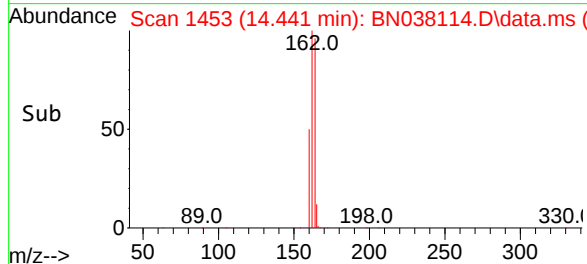
Instrument :
BNA_N
ClientSampleId :
SSTDICC0.8



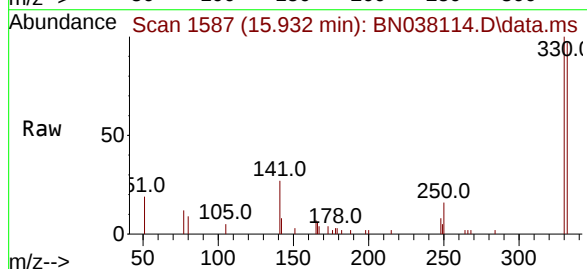
Tgt Ion:164 Resp: 14920
Ion Ratio Lower Upper
164 100
162 104.0 83.0 124.4
160 51.9 40.7 61.1

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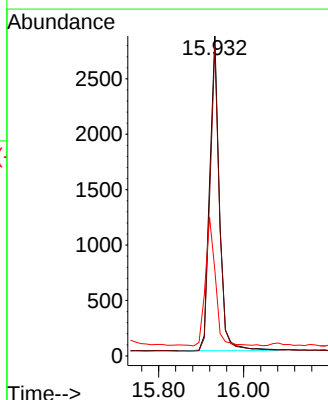
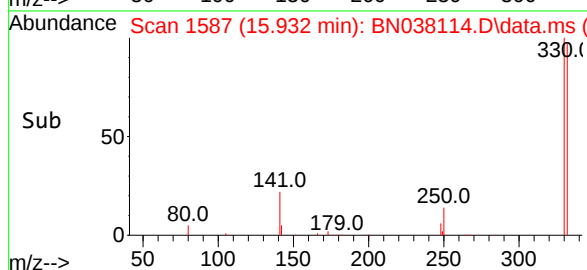
Reviewed By :Rahul Chavli 10/29/2025
Supervised By :mohammad ahmed 10/30/2025

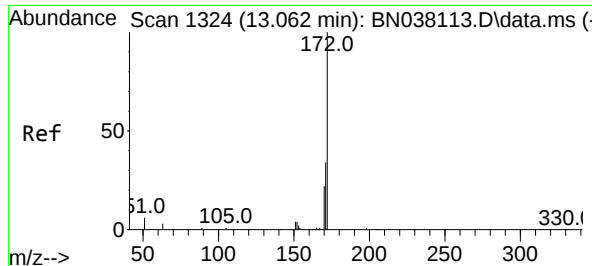


#14
2,4,6-Tribromophenol
Concen: 0.736 ng
RT: 15.932 min Scan# 1587
Delta R.T. 0.000 min
Lab File: BN038114.D
Acq: 28 Oct 2025 14:49



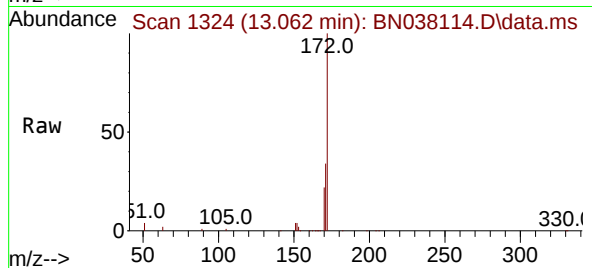
Tgt Ion:330 Resp: 4525
Ion Ratio Lower Upper
330 100
332 95.3 76.6 114.8
141 41.9 34.1 51.1





#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

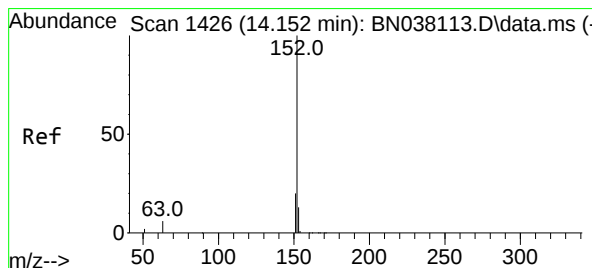
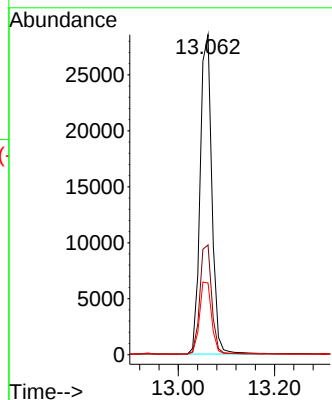
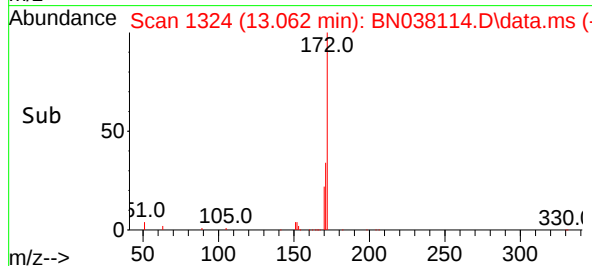
Instrument :
BNA_N
ClientSampleId :
SSTDICC0.8



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

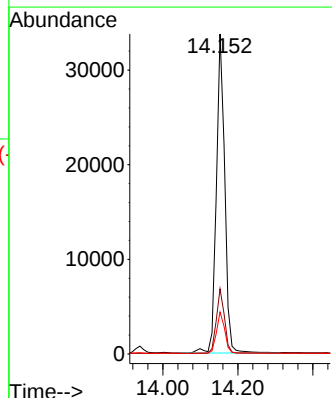
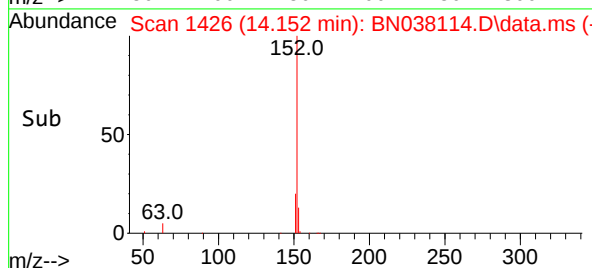
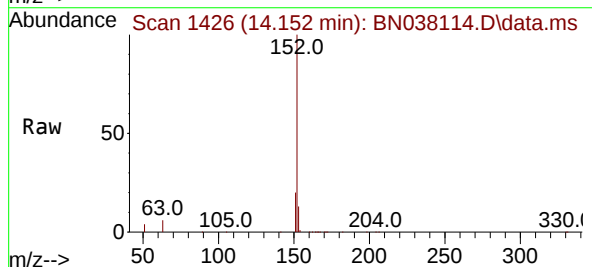
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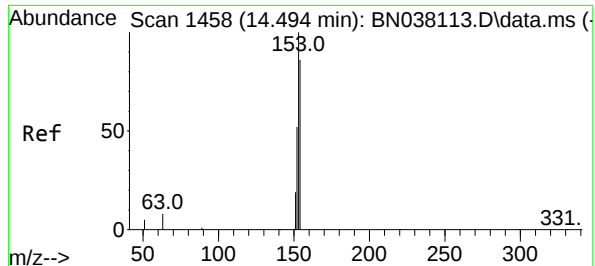
Reviewed By :Rahul Chavli 10/29/2025
Supervised By :mohammad ahmed 10/30/2025



#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

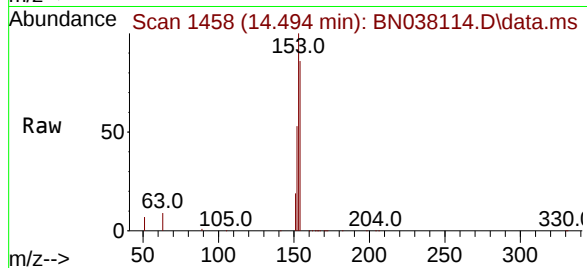
Tgt Ion:152 Resp: 52624
Ion Ratio Lower Upper
152 100
151 19.5 15.8 23.8
153 12.9 10.2 15.2





#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

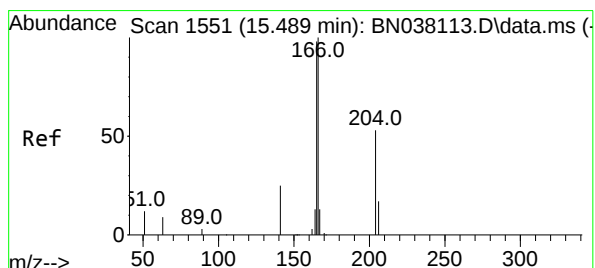
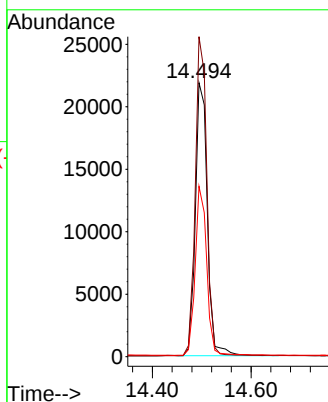
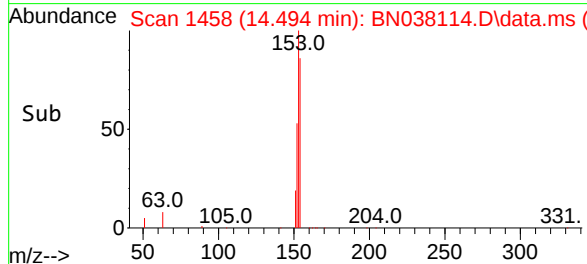
Instrument :
BNA_N
ClientSampleId :
SSTDICC0.8



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

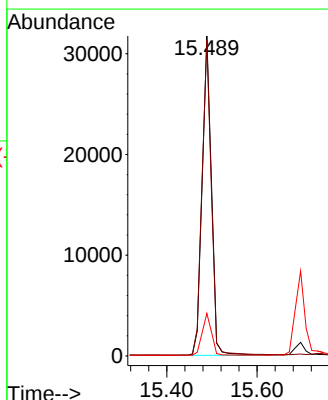
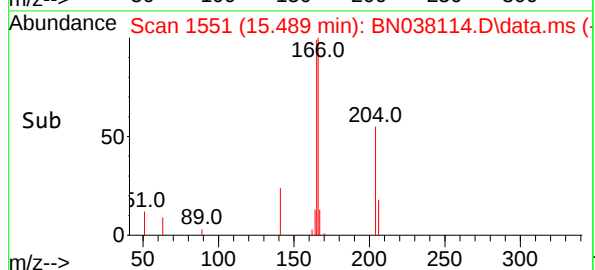
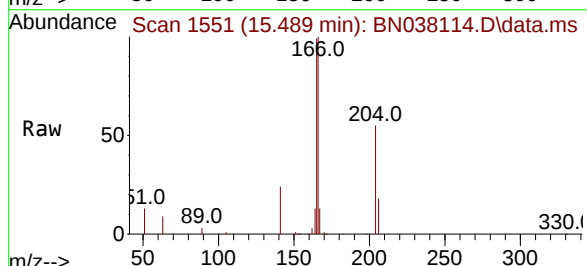
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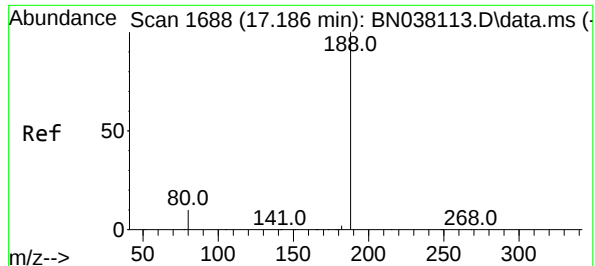
Reviewed By :Rahul Chavli 10/29/2025
Supervised By :mohammad ahmed 10/30/2025



#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 :

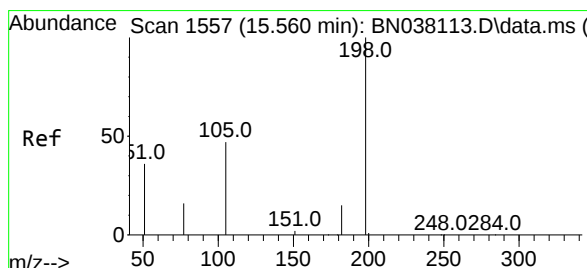
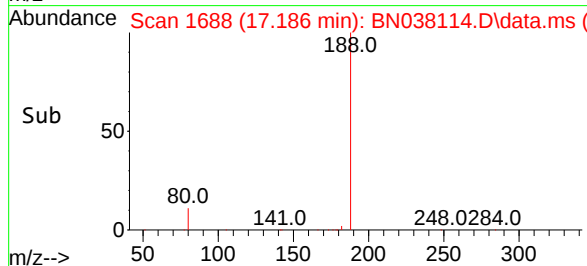
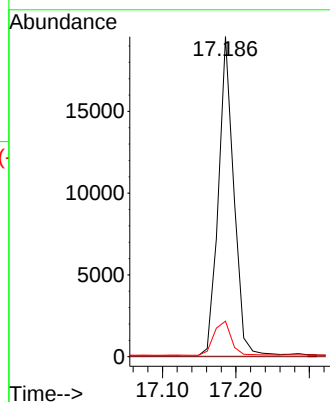
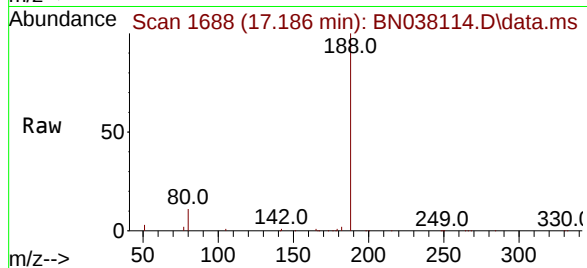
SSTDICC0.8

Tgt Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	11.1	8.6	13.0

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Reviewed By :Rahul Chavli 10/29/2025
Supervised By :mohammad ahmed 10/30/2025



#20

4,6-Dinitro-2-methylphenol

Concen: 0.689 ng

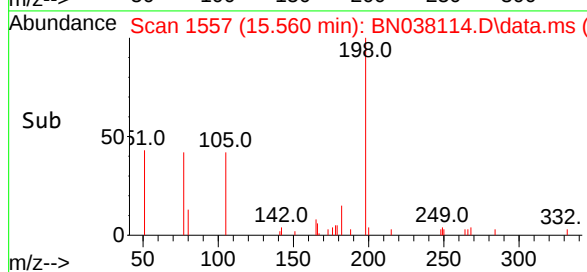
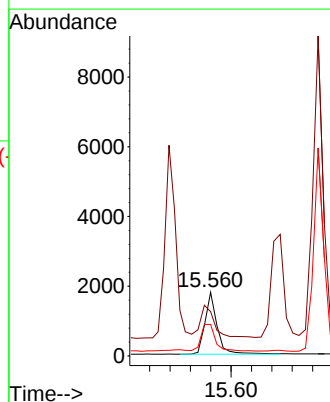
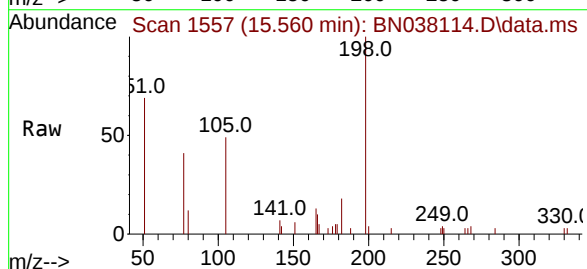
RT: 15.560 min Scan# 1557

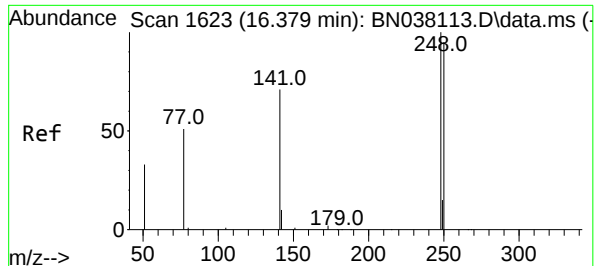
Delta R.T. -0.000 min

Lab File: BN038114.D

Acq: 28 Oct 2025 14:49

Tgt Ion	Ratio	Lower	Upper
198	100		
51	69.5	88.9	133.3
105	49.4	49.2	73.8





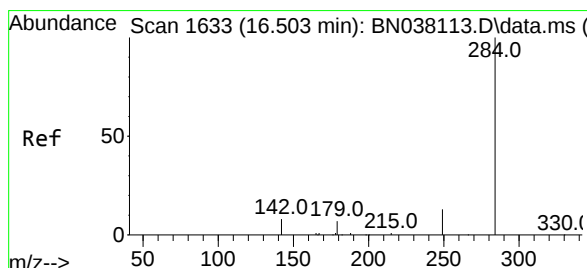
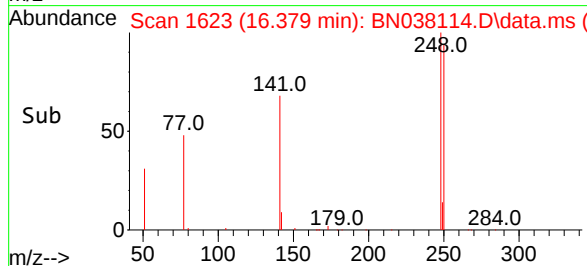
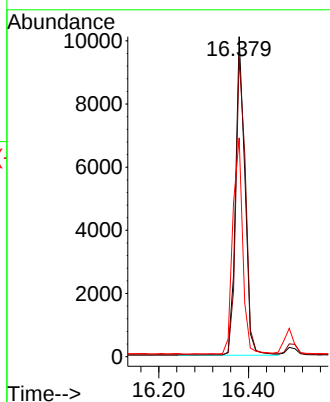
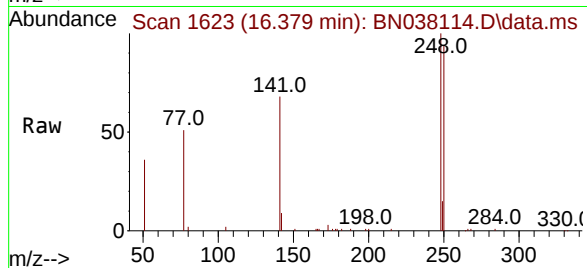
#21
4-Bromophenyl-phenylether
Concen: 0.780 ng
RT: 16.379 min Scan# 1623
Delta R.T. -0.000 min
Lab File: BN038114.D
Acq: 28 Oct 2025 14:49

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

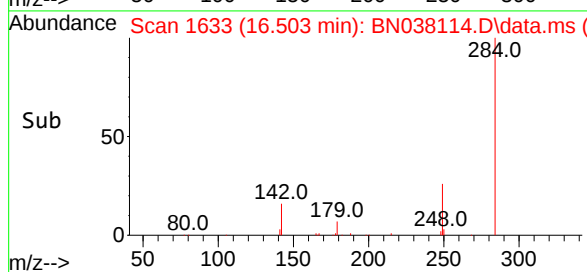
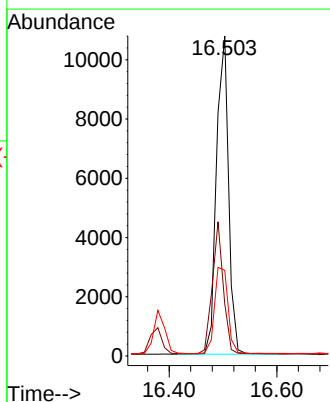
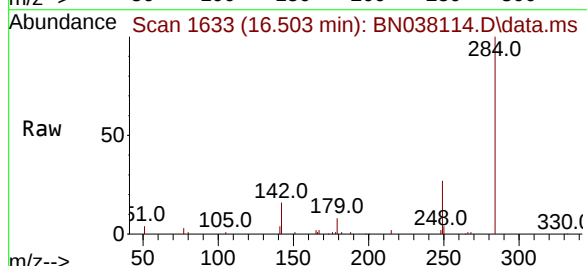
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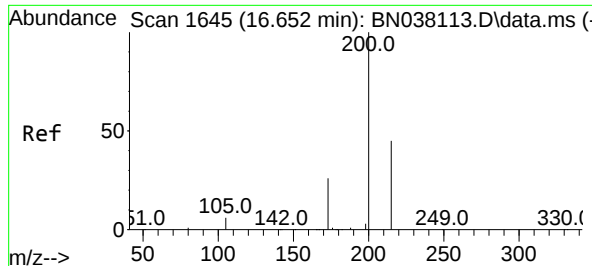
Reviewed By :Rahul Chavli 10/29/2025
Supervised By :mohammad ahmed 10/30/2025



#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

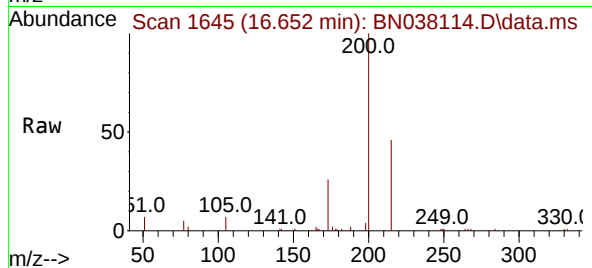
Tgt Ion:284 Resp: 16700
Ion Ratio Lower Upper
284 100
142 38.0 30.5 45.7
249 30.3 23.5 35.3





#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

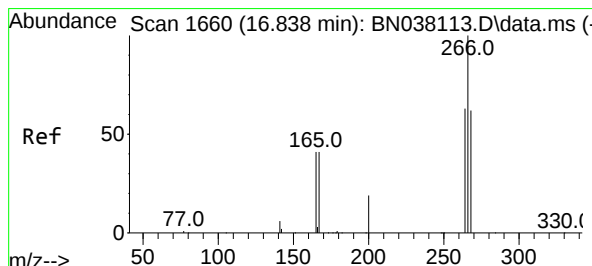
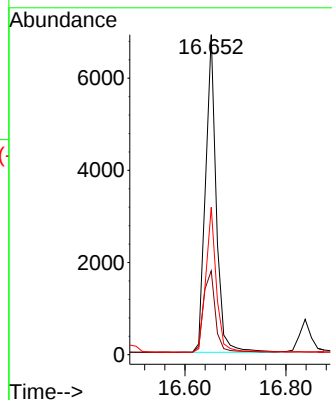
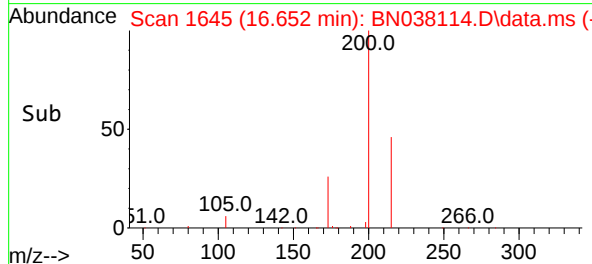
Instrument :
BNA_N
ClientSampleId :
SSTDICC0.8



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

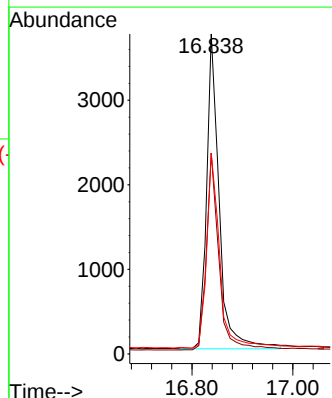
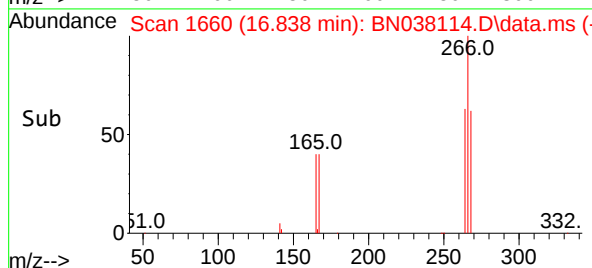
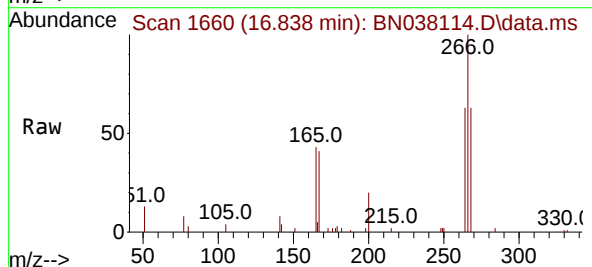
Manual Integrations
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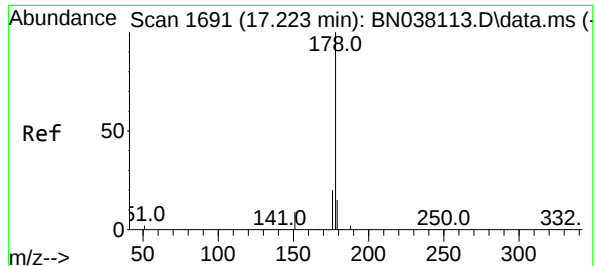
Reviewed By :Rahul Chavli 10/29/2025
Supervised By :mohammad ahmed 10/30/2025



#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

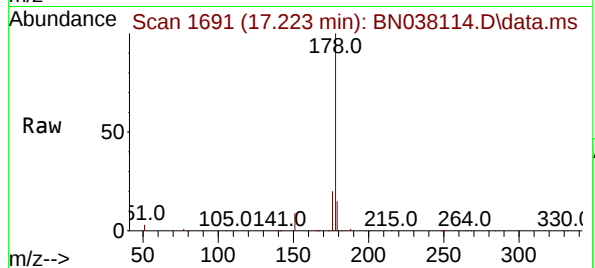
Tgt Ion:266 Resp: 6470
Ion Ratio Lower Upper
266 100
264 62.0 49.3 73.9
268 64.3 50.6 75.8





#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

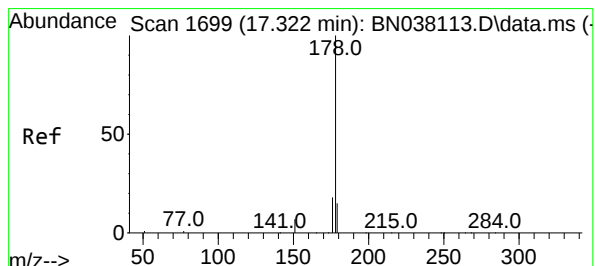
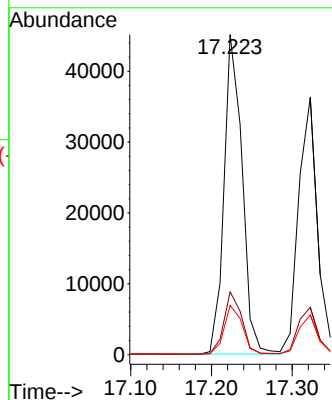
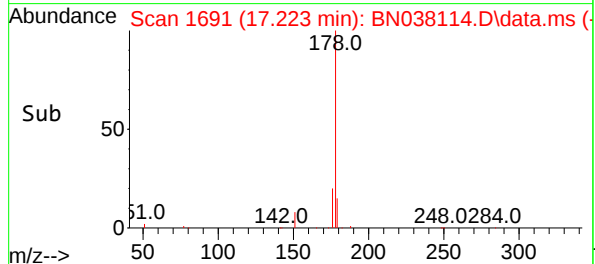
Instrument :
BNA_N
ClientSampleId :
SSTDICC0.8



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

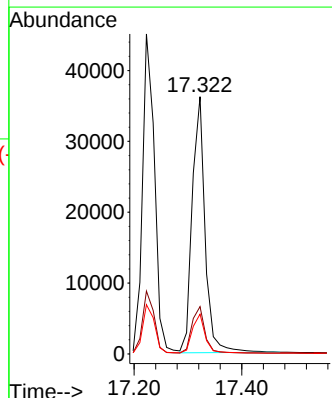
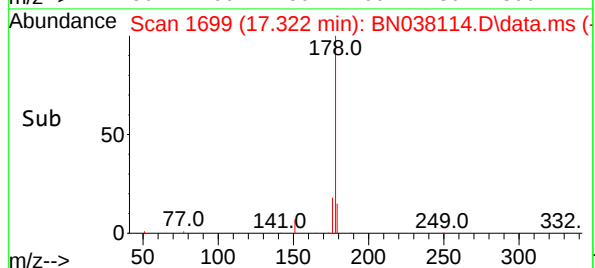
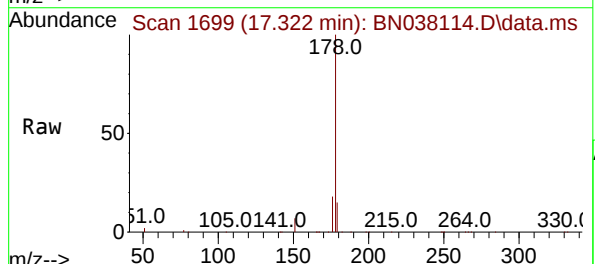
Manual Integrations
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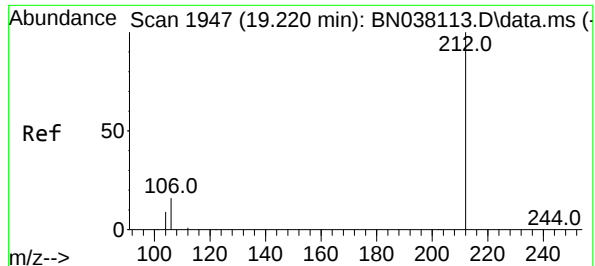
Reviewed By :Rahul Chavli 10/29/2025
Supervised By :mohammad ahmed 10/30/2025



#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





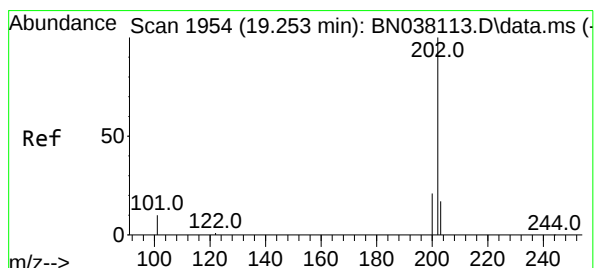
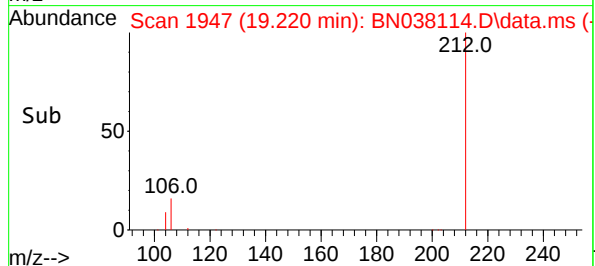
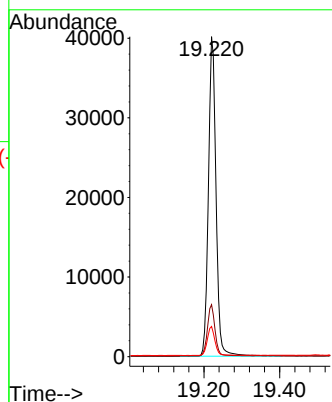
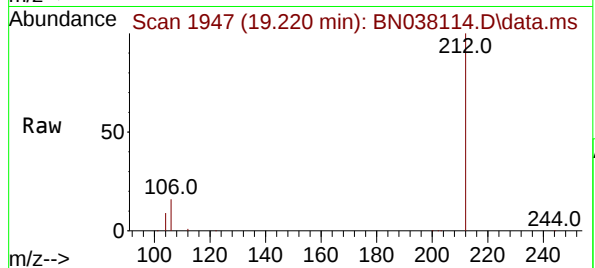
#27
Fluoranthene-d10
Concen: 0.778 ng
RT: 19.220 min Scan# 1947
Delta R.T. -0.000 min
Lab File: BN038114.D
Acq: 28 Oct 2025 14:49

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.8

Tgt Ion:212 Resp: 55912
Ion Ratio Lower Upper
212 100
106 16.0 12.6 19.0
104 9.0 7.1 10.7

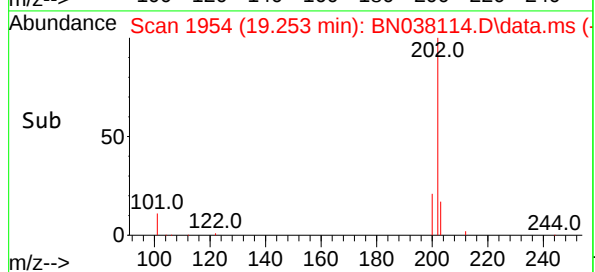
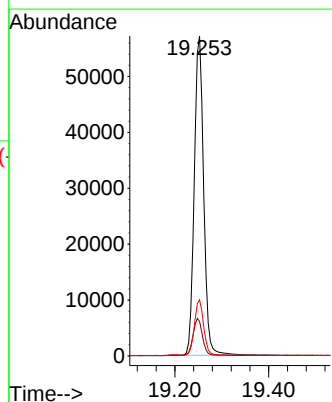
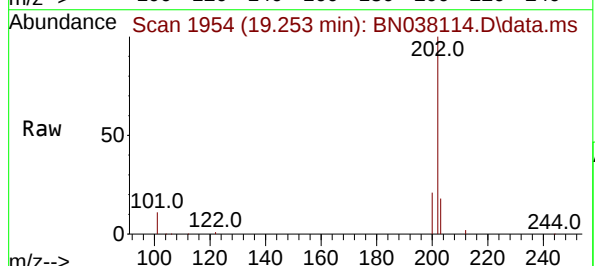
Manual Integrations
APPROVED

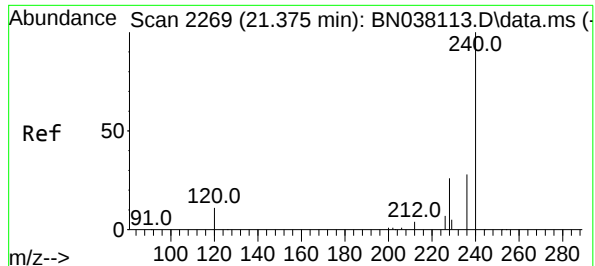
Reviewed By :Rahul Chavli 10/29/2025
Supervised By :mohammad ahmed 10/30/2025



#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:202 Resp: 79478
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 :

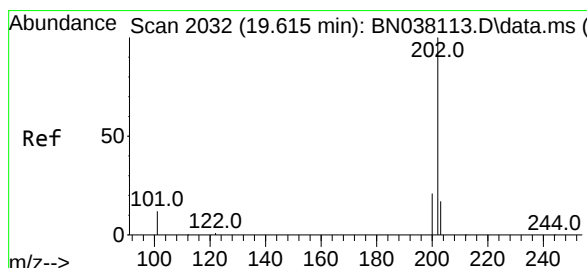
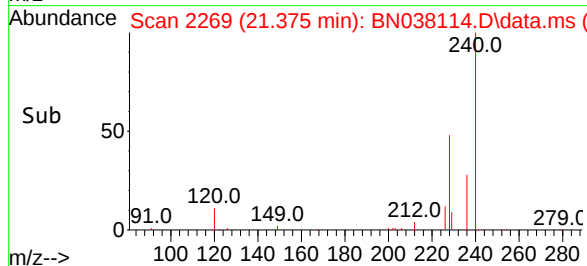
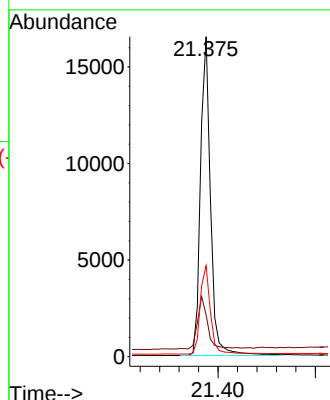
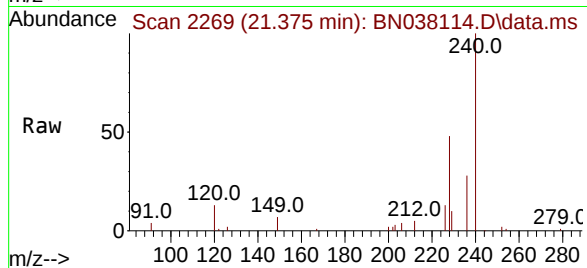
SSTDICC0.8

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

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Reviewed By :Rahul Chavli 10/29/2025
Supervised By :mohammad ahmed 10/30/2025



#30

Pyrene

Concen: 0.737 ng

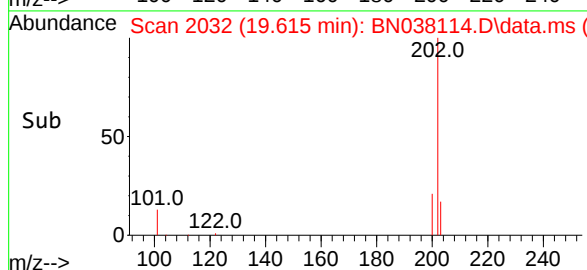
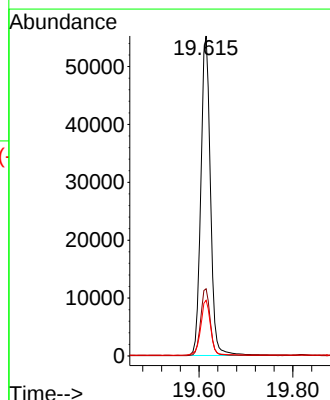
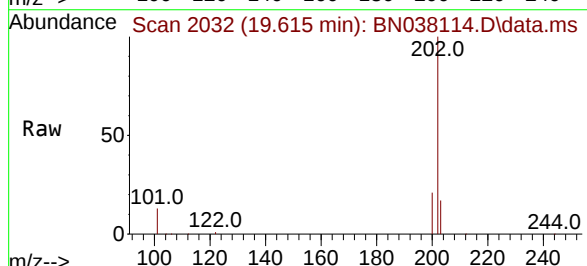
RT: 19.615 min Scan# 2032

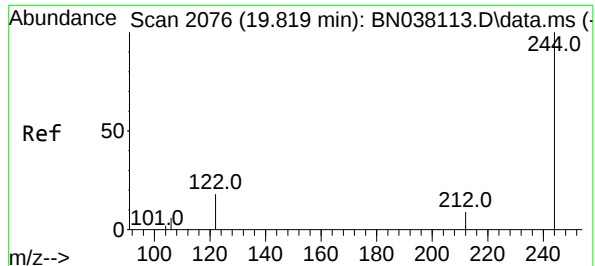
Delta R.T. 0.005 min

Lab File: BN038114.D

Acq: 28 Oct 2025 14:49

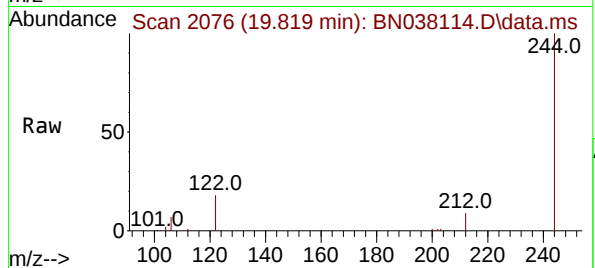
Tgt Ion:	202	Resp:	78307
Ion Ratio	Lower	Upper	
202	100		
200	21.2	16.7	25.1
203	17.7	14.2	21.2





#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

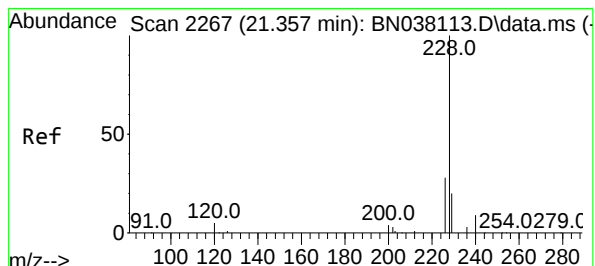
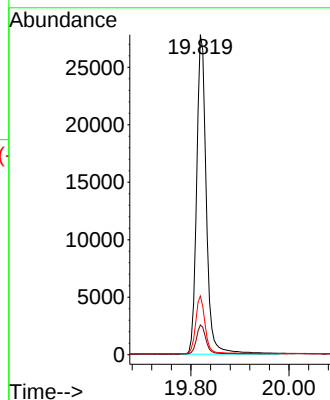
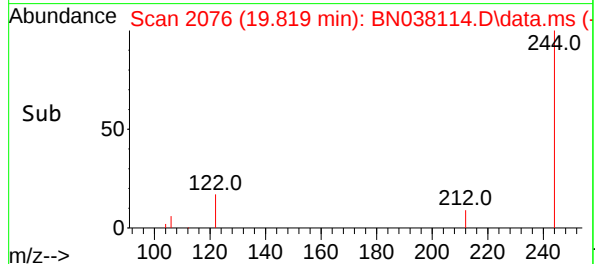
Instrument :
BNA_N
ClientSampleId :
SSTDICC0.8



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

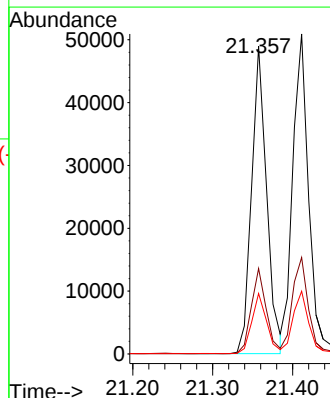
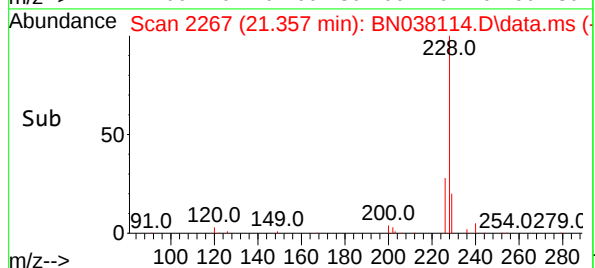
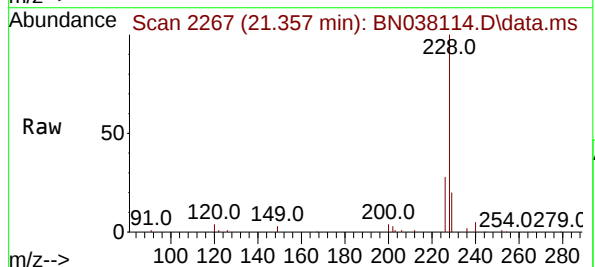
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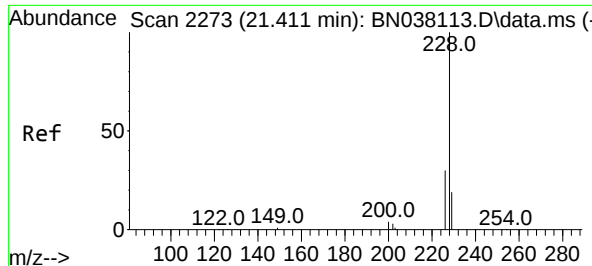
Reviewed By :Rahul Chavli 10/29/2025
Supervised By :mohammad ahmed 10/30/2025



#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# 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:228 Resp: 7167

Ion Ratio Lower Upper

228 100

226 30.1 24.3 36.5

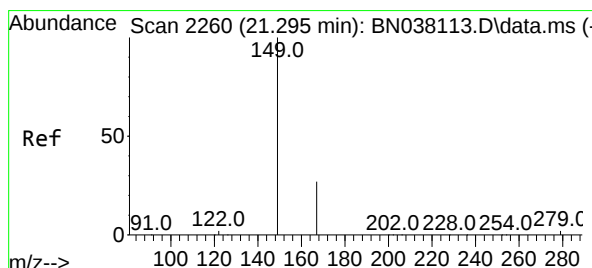
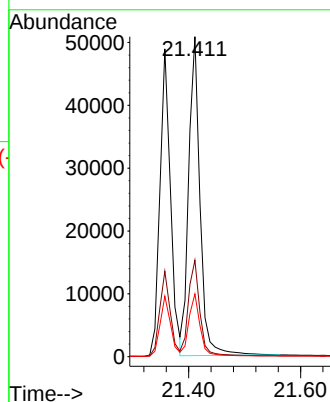
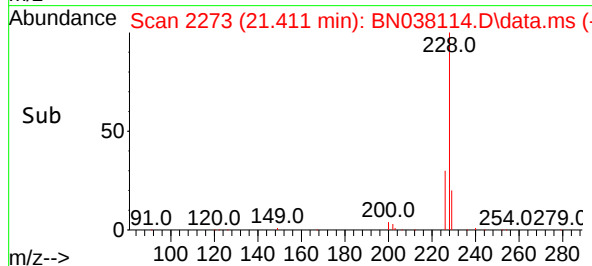
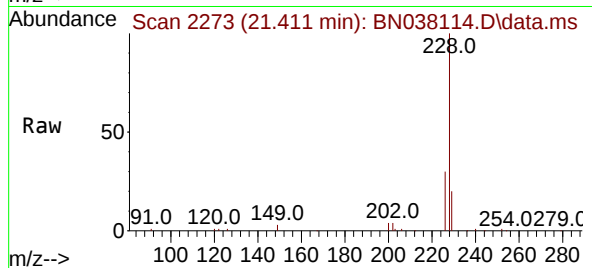
229 19.6 15.7 23.5

Manual Integrations

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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

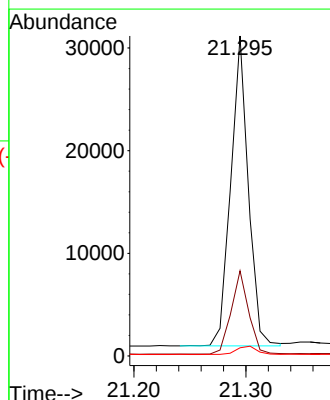
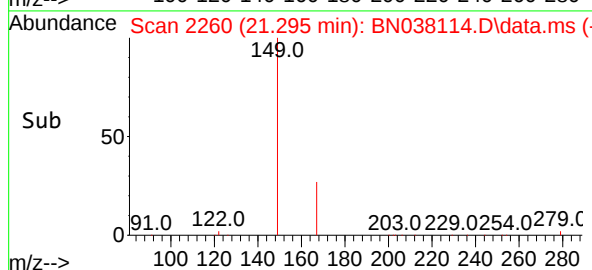
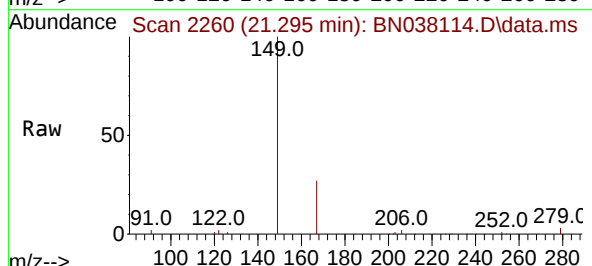
Tgt Ion:149 Resp: 32963

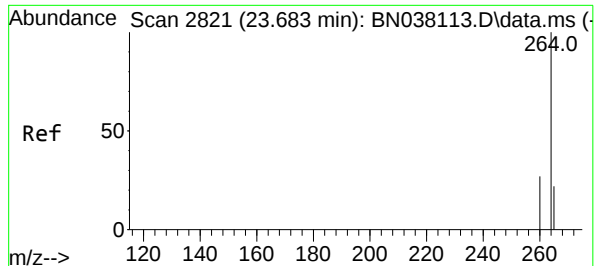
Ion Ratio Lower Upper

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

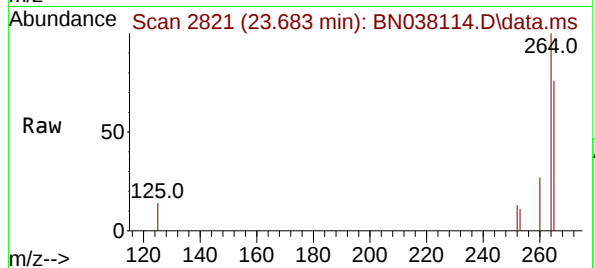
Acq: 28 Oct 2025 14:49

Instrument :

BNA_N

ClientSampleId :

SSTDICC0.8



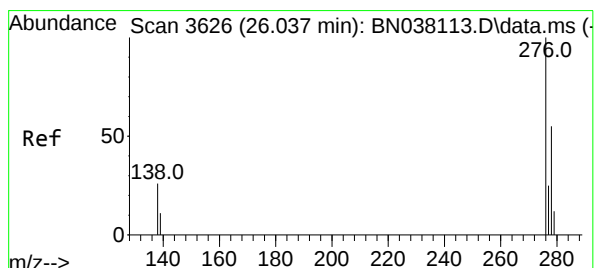
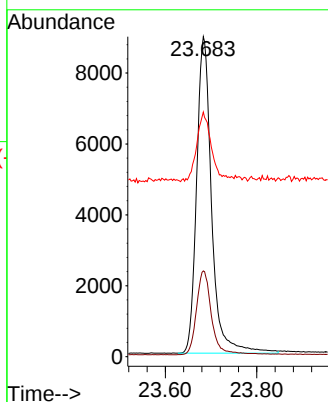
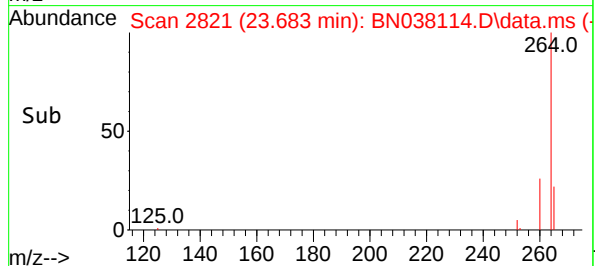
Tgt Ion:264 Resp: 20307

Ion	Ratio	Lower	Upper
264	100		
260	26.8	21.8	32.8
265	76.5	68.6	102.8

Manual Integrations

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Reviewed By :Rahul Chavli 10/29/2025
Supervised By :mohammad ahmed 10/30/2025



#36

Indeno(1,2,3-cd)pyrene

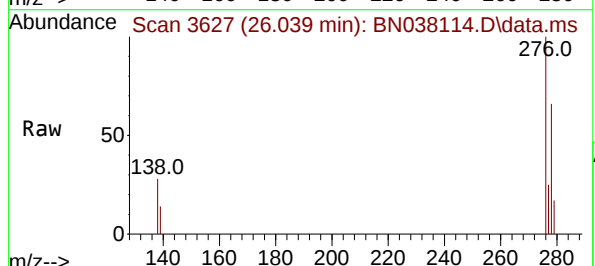
Concen: 0.789 ng

RT: 26.039 min Scan# 3627

Delta R.T. 0.006 min

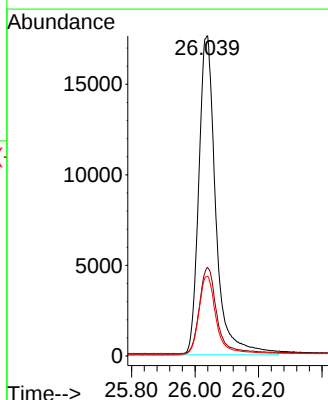
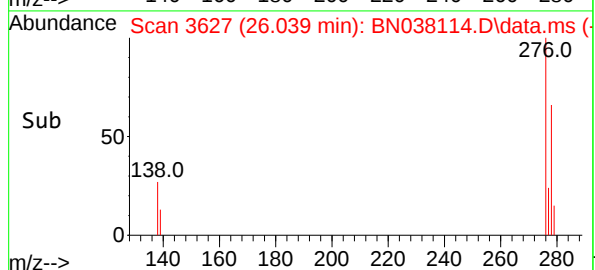
Lab File: BN038114.D

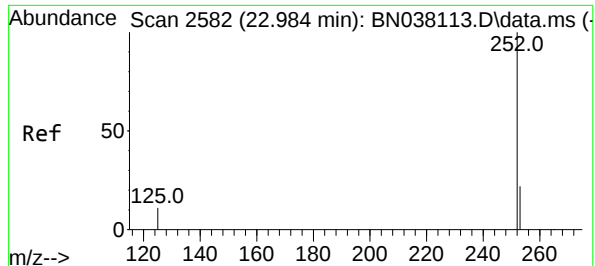
Acq: 28 Oct 2025 14:49



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

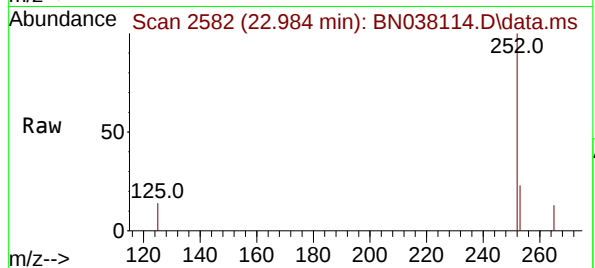
Acq: 28 Oct 2025 14:49

Instrument :

BNA_N

ClientSampleId :

SSTDICC0.8



Tgt Ion:252 Resp: 69912

Ion Ratio Lower Upper

252 100

253 23.4 20.9 31.3

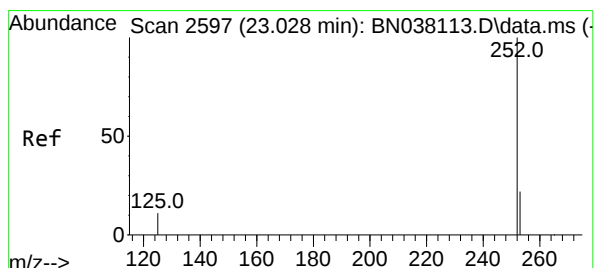
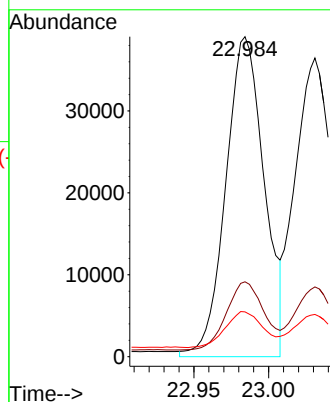
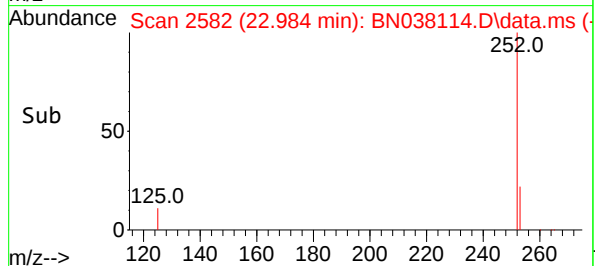
125 14.0 14.1 21.1

Manual Integrations

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Reviewed By :Rahul Chavli 10/29/2025

Supervised By :mohammad ahmed 10/30/2025



#38

Benzo(k)fluoranthene

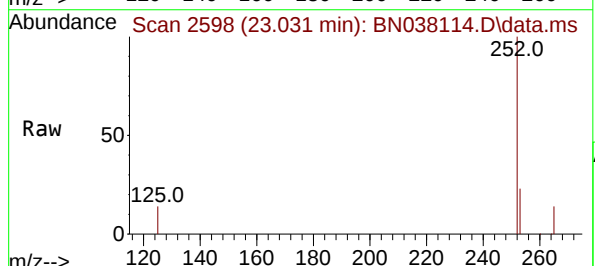
Concen: 0.776 ng

RT: 23.031 min Scan# 2598

Delta R.T. 0.003 min

Lab File: BN038114.D

Acq: 28 Oct 2025 14:49



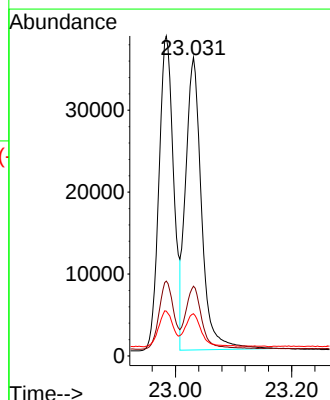
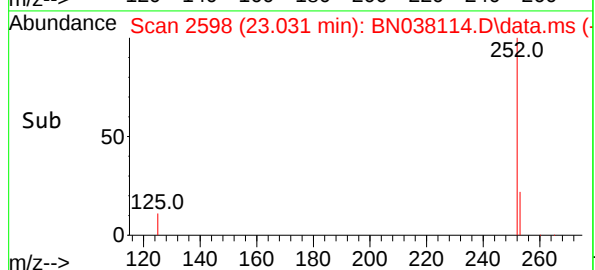
Tgt Ion:252 Resp: 67771

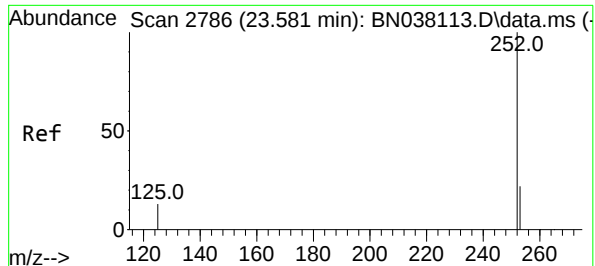
Ion Ratio Lower Upper

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

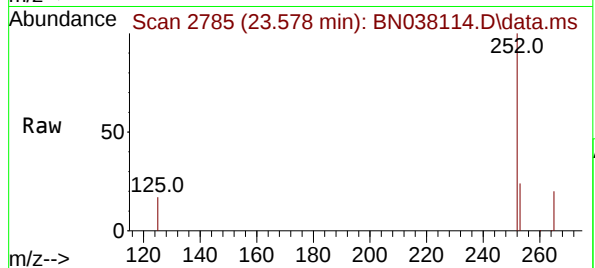
Acq: 28 Oct 2025 14:49

Instrument :

BNA_N

ClientSampleId :

SSTDICC0.8



Tgt Ion:252 Resp: 5336

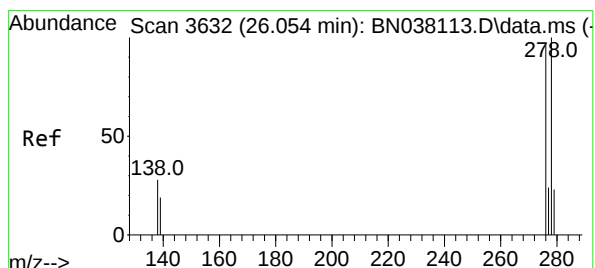
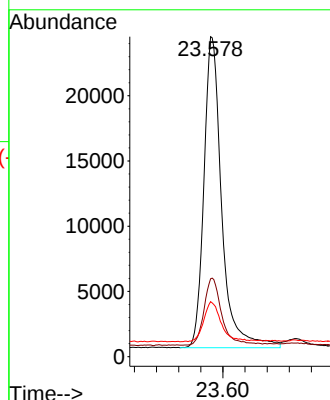
Ion	Ratio	Lower	Upper
252	100		
253	24.4	23.1	34.7
125	17.2	18.6	28.0

Manual Integrations

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Reviewed By :Rahul Chavli 10/29/2025

Supervised By :mohammad ahmed 10/30/2025



#40

Dibenzo(a,h)anthracene

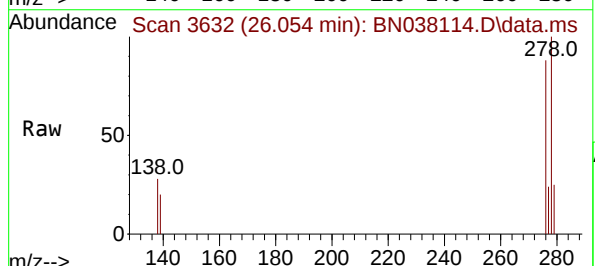
Concen: 0.784 ng

RT: 26.054 min Scan# 3632

Delta R.T. 0.006 min

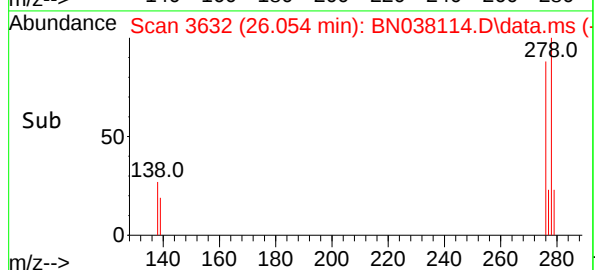
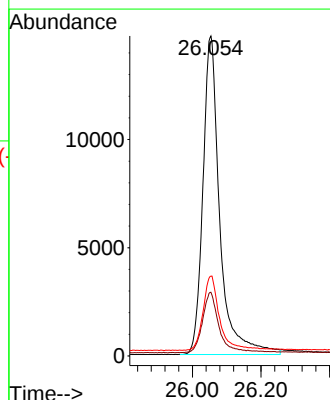
Lab File: BN038114.D

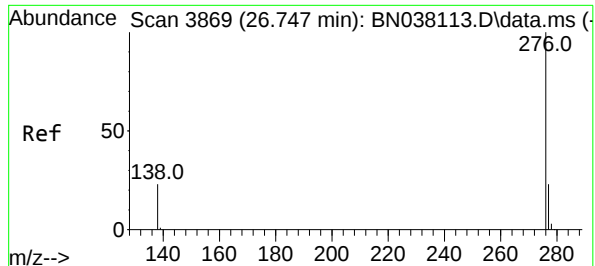
Acq: 28 Oct 2025 14:49



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# 3871

Delta R.T. 0.003 min

Lab File: BN038114.D

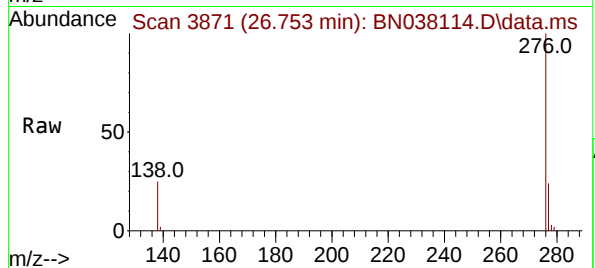
Acq: 28 Oct 2025 14:49

Instrument :

BNA_N

ClientSampleId :

SSTDICC0.8



Tgt Ion:276 Resp: 5815

Ion Ratio Lower Upper

276 100

277 24.0 19.7 29.5

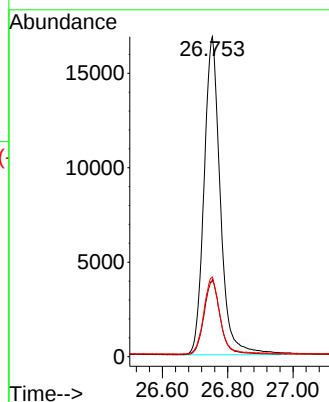
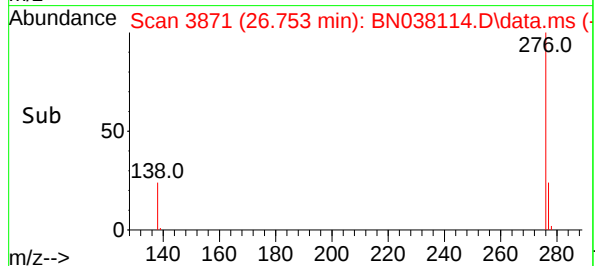
138 24.9 20.2 30.4

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)

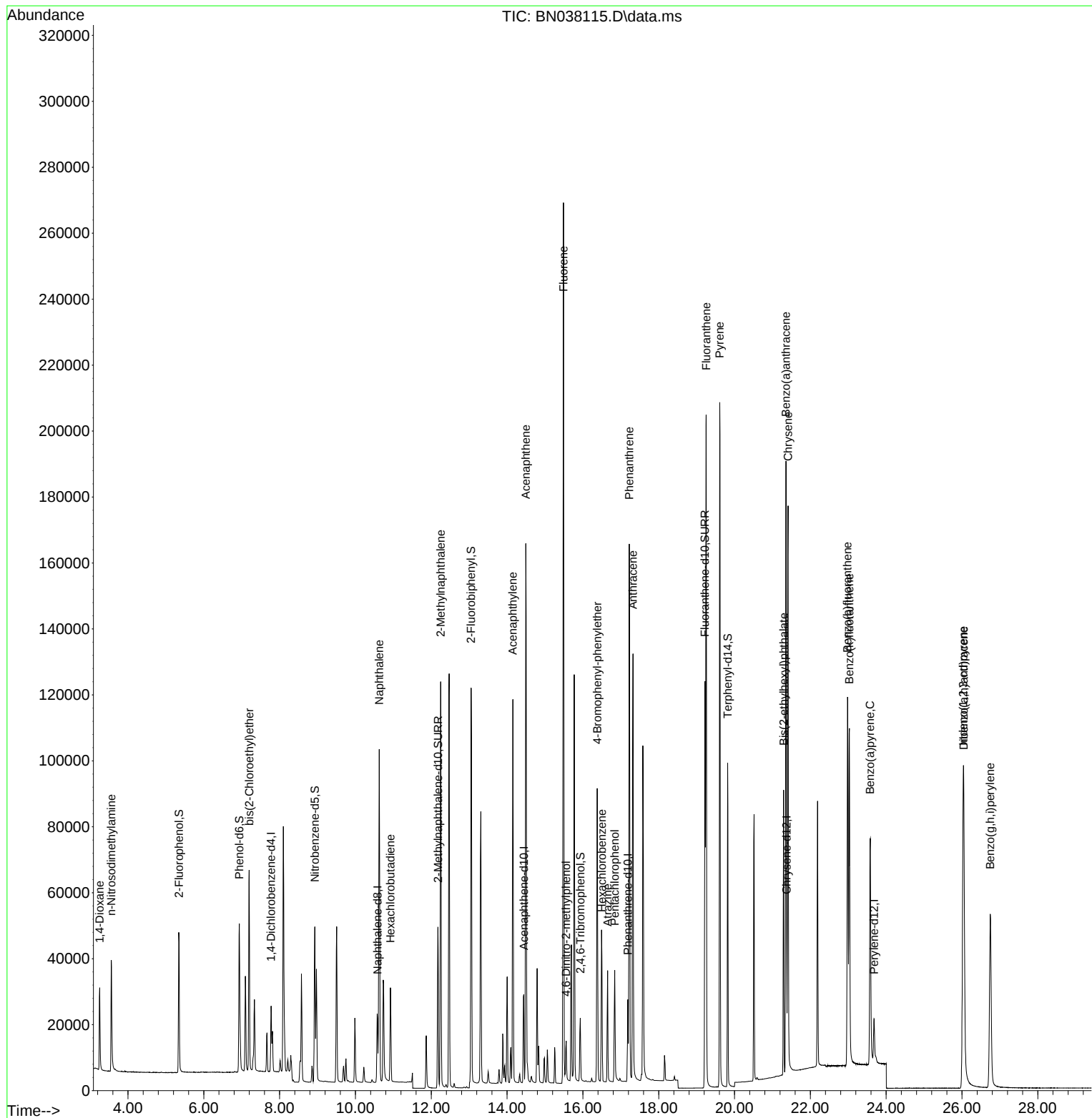
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.775	152	9872	0.400	ng	0.00
7) Naphthalene-d8	10.584	136	29279	0.400	ng	0.01
13) Acenaphthene-d10	14.441	164	16624	0.400	ng	0.01
19) Phenanthrene-d10	17.186	188	31469	0.400	ng	0.00
29) Chrysene-d12	21.375	240	25173	0.400	ng	0.00
35) Perylene-d12	23.680	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

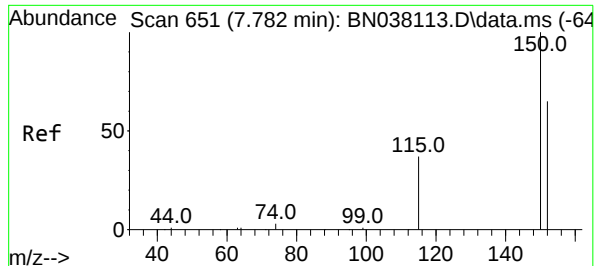
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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

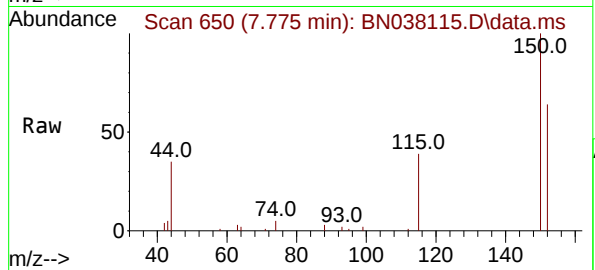
Quant Time: Oct 28 17:31:51 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN102825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Oct 28 17:15:13 2025
Response via : Initial Calibration



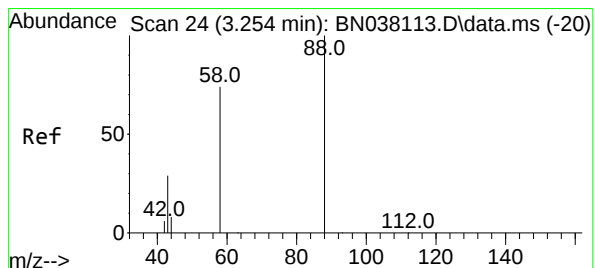
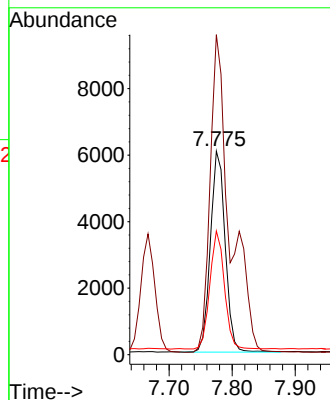
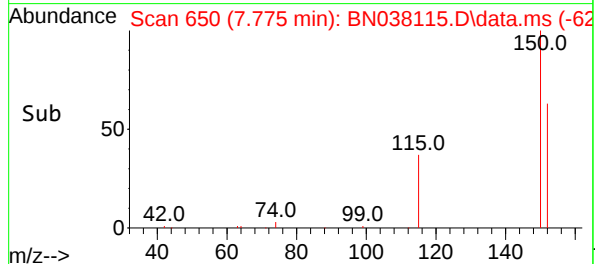


#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.775 min Scan# 61
Delta R.T. -0.000 min
Lab File: BN038115.D
Acq: 28 Oct 2025 15:25

Instrument :
BNA_N
ClientSampleId :
SSTDICC1.6

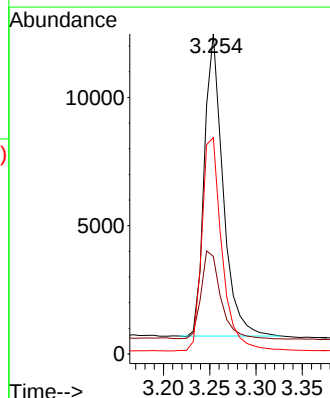
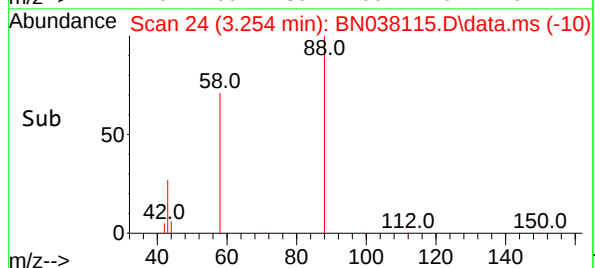
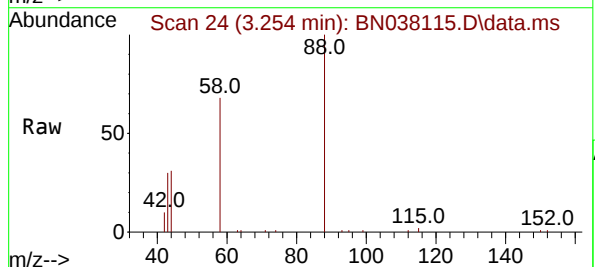


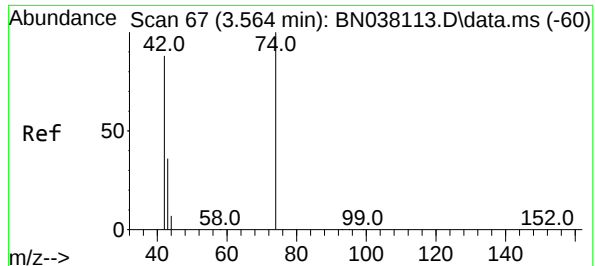
Tgt Ion:152 Resp: 9872
Ion Ratio Lower Upper
152 100
150 157.2 122.3 183.5
115 60.8 47.4 71.0



#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

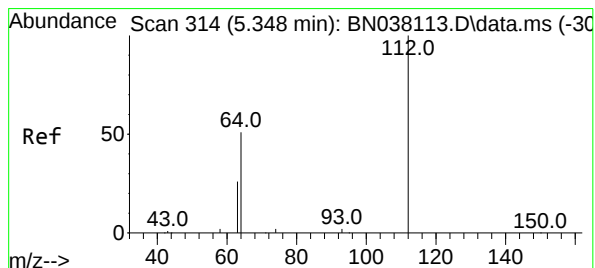
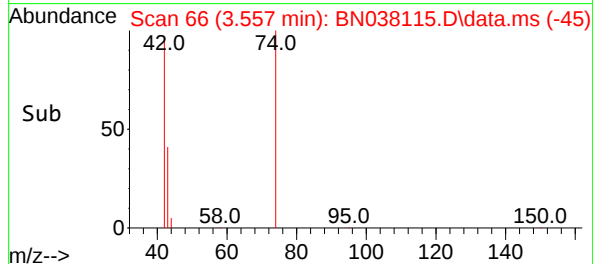
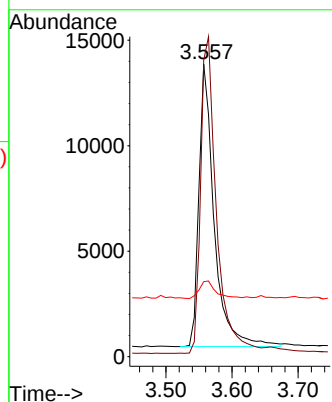
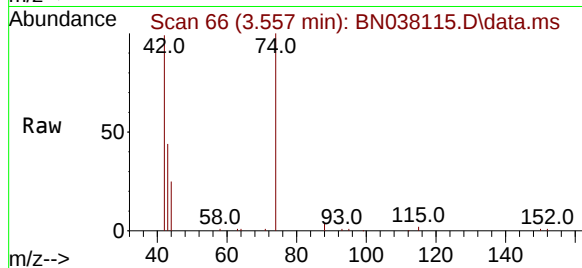




#3
n-Nitrosodimethylamine
Concen: 1.645 ng
RT: 3.557 min Scan# 60
Delta R.T. 0.000 min
Lab File: BN038115.D
Acq: 28 Oct 2025 15:25

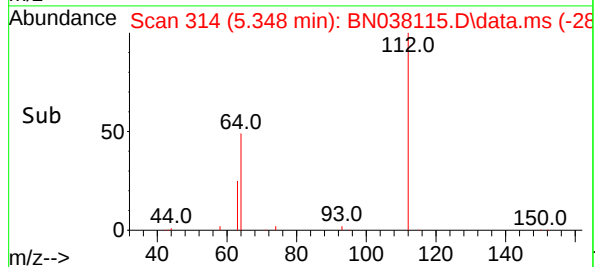
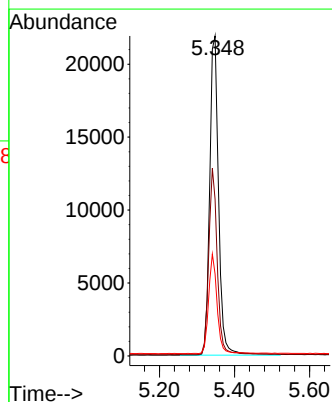
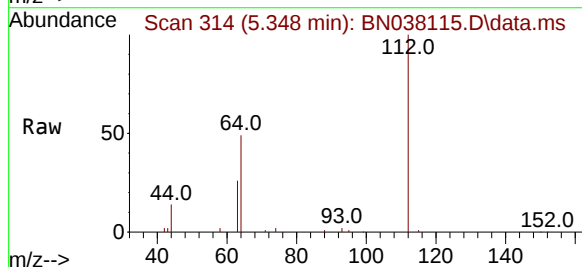
Instrument :
BNA_N
ClientSampleId :
SSTDICC1.6

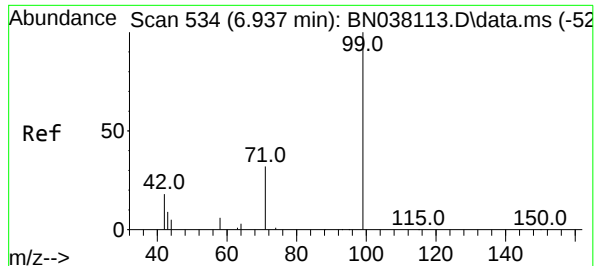
Tgt Ion: 42 Resp: 21596
Ion Ratio Lower Upper
42 100
74 115.8 96.8 145.2
44 6.3 5.3 7.9



#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

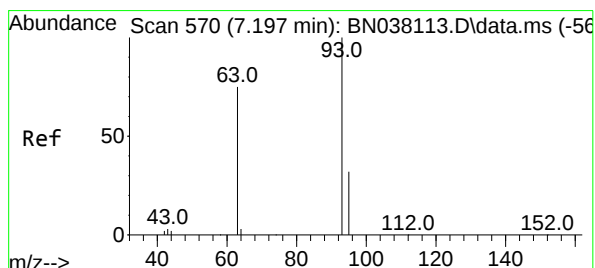
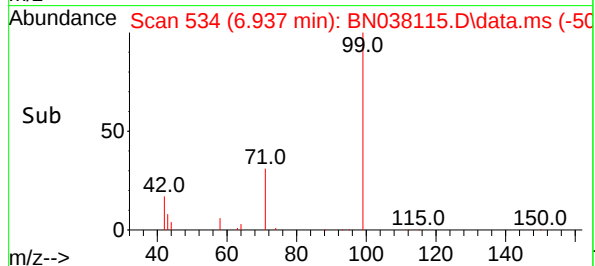
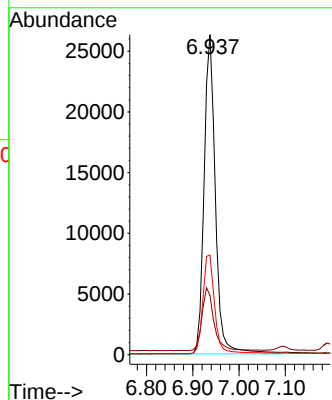
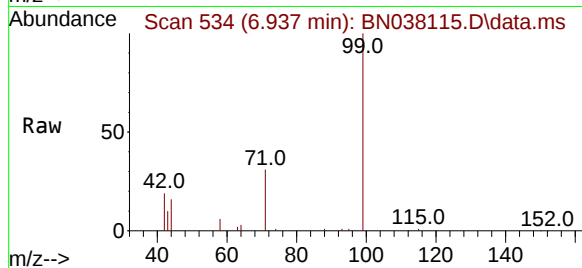
Tgt Ion: 99 Resp: 44651

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

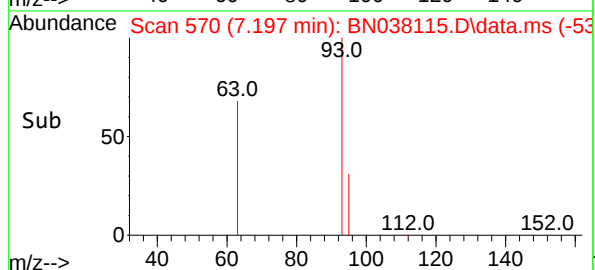
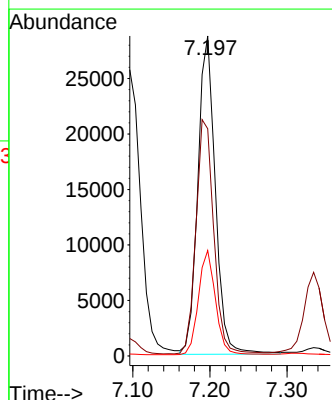
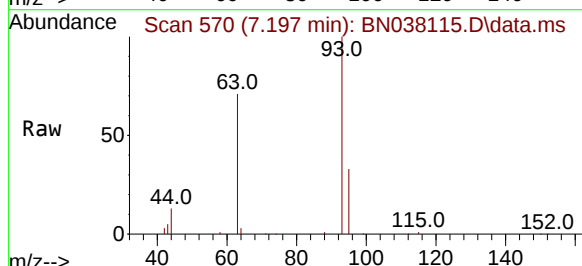
Tgt Ion: 93 Resp: 45315

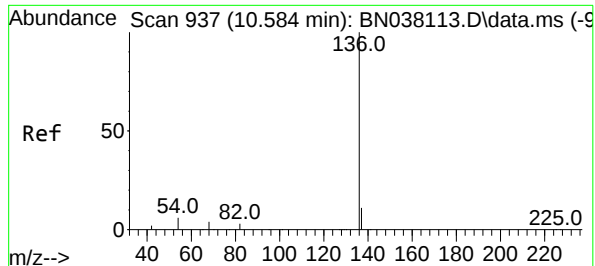
Ion Ratio Lower Upper

93 100

63 74.8 59.3 88.9

95 31.9 25.2 37.8

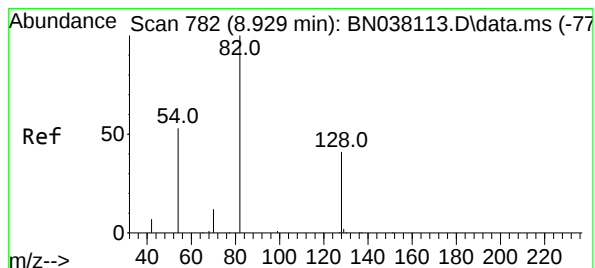
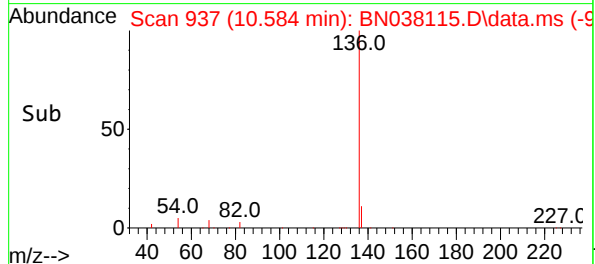
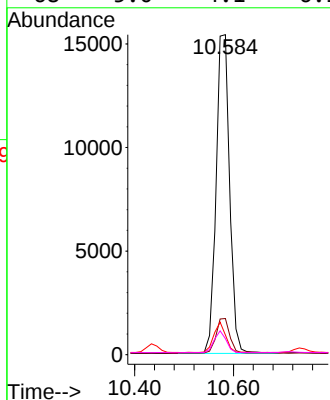
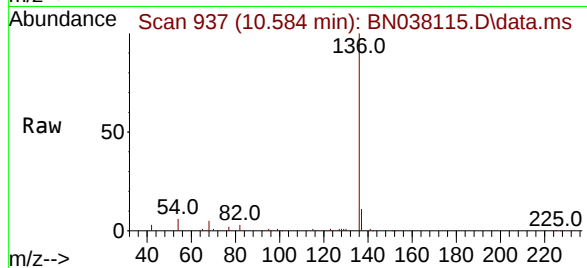




#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.584 min Scan# 91
Delta R.T. 0.011 min
Lab File: BN038115.D
Acq: 28 Oct 2025 15:25

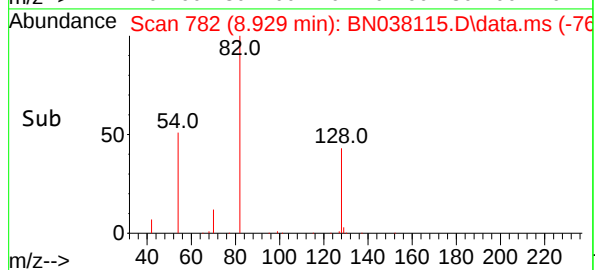
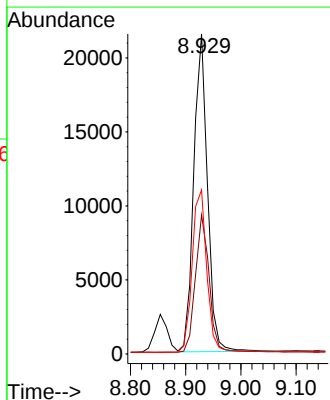
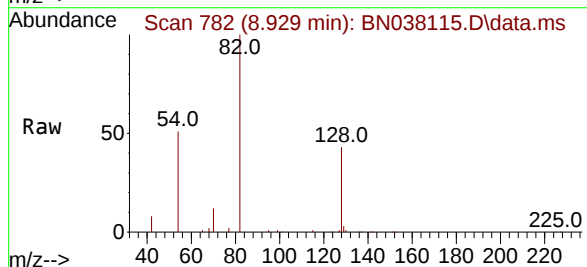
Instrument :
BNA_N
ClientSampleId :
SSTDICC1.6

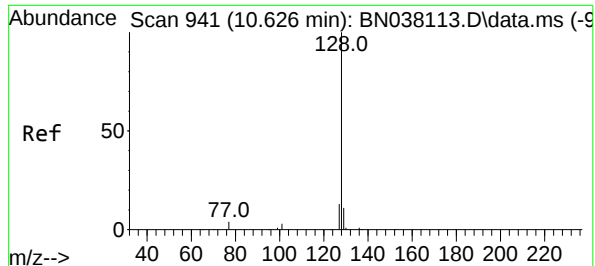
Tgt Ion:	136	Resp:	29279
Ion	Ratio	Lower	Upper
136	100		
137	11.3	9.0	13.4
54	6.1	5.2	7.8
68	5.0	4.1	6.1



#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

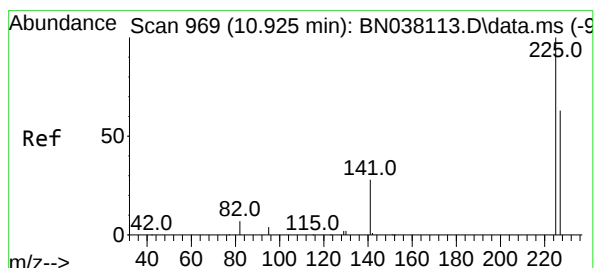
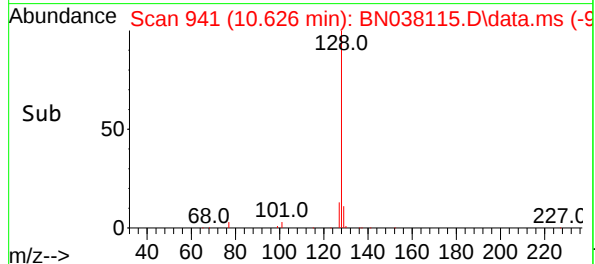
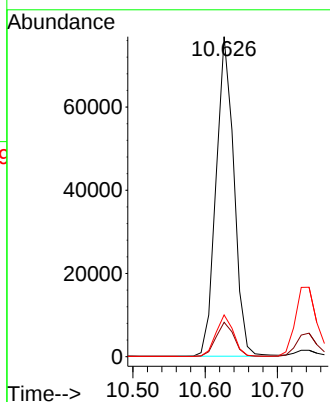
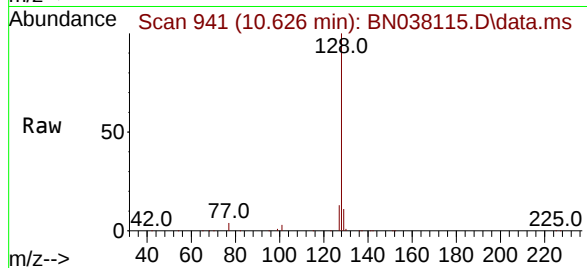


#9
Naphthalene

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

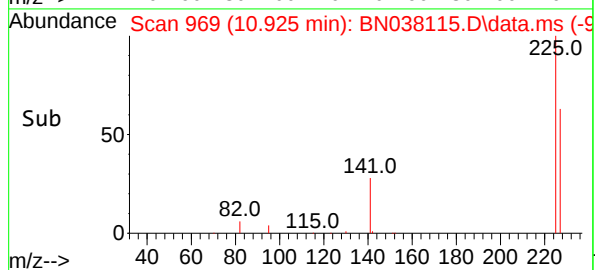
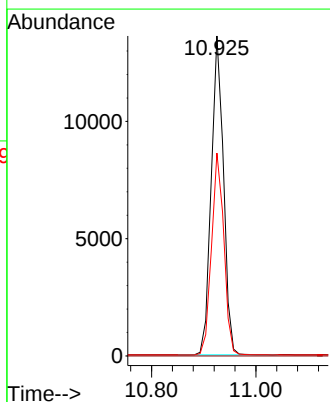
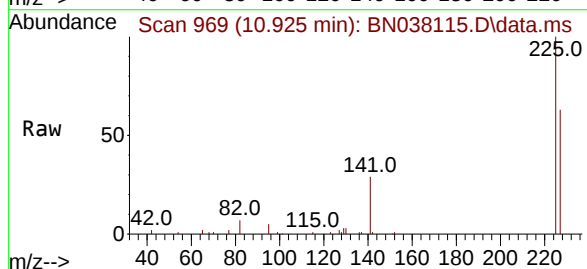


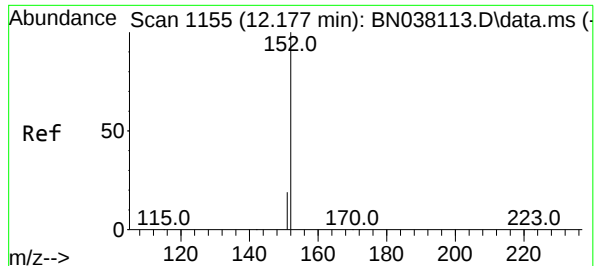
#10

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

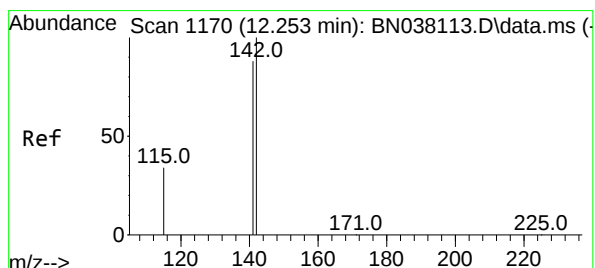
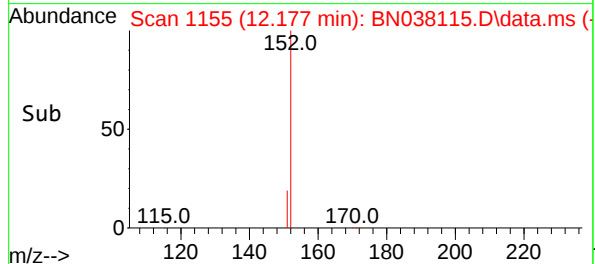
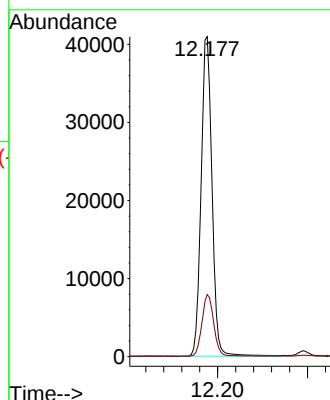
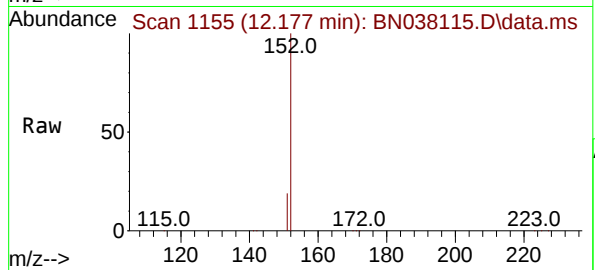




#11
2-Methylnaphthalene-d10
Concen: 1.642 ng
RT: 12.177 min Scan# 1155
Delta R.T. 0.000 min
Lab File: BN038115.D
Acq: 28 Oct 2025 15:25

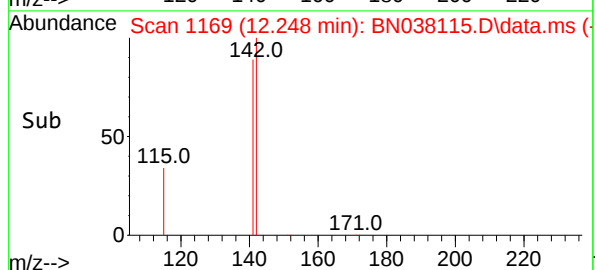
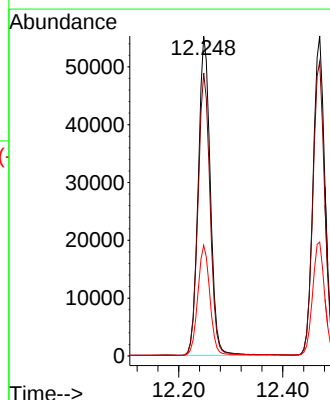
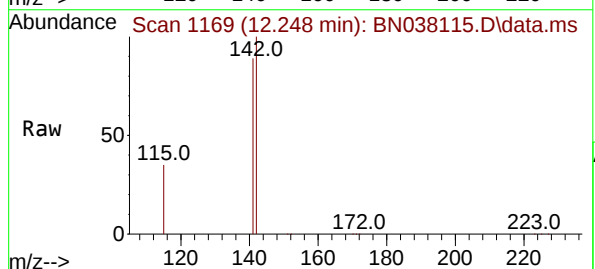
Instrument :
BNA_N
ClientSampleId :
SSTDICC1.6

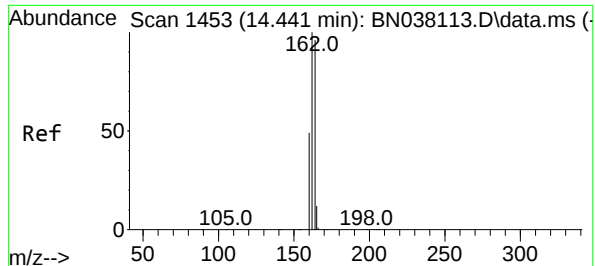
Tgt Ion:152 Resp: 68673
Ion Ratio Lower Upper
152 100
151 20.9 16.8 25.2



#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

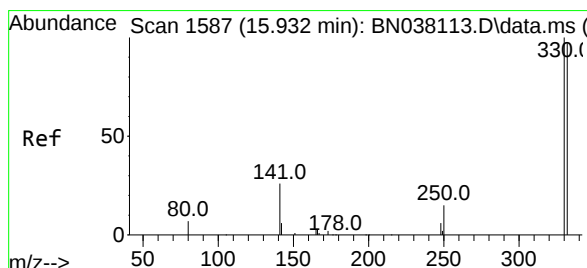
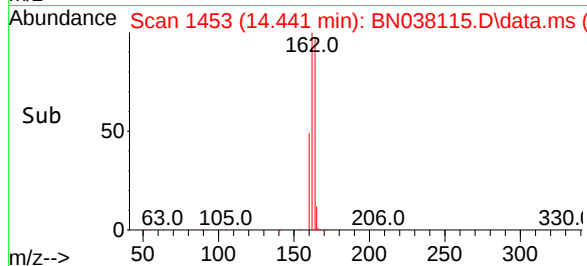
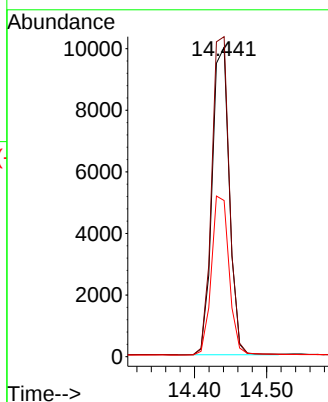
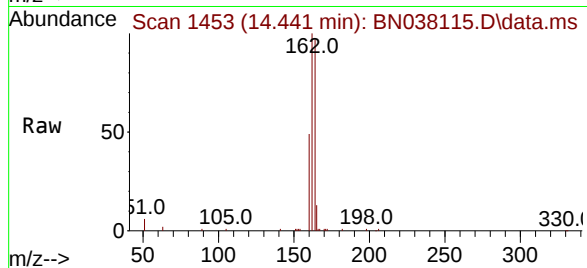




#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.441 min Scan# 1453
Delta R.T. 0.011 min
Lab File: BN038115.D
Acq: 28 Oct 2025 15:25

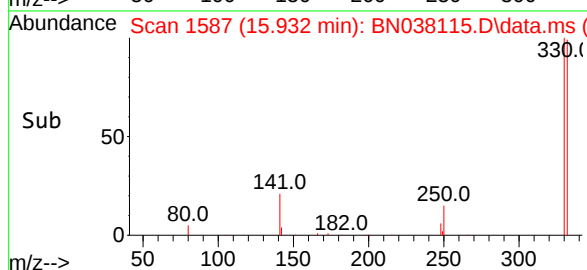
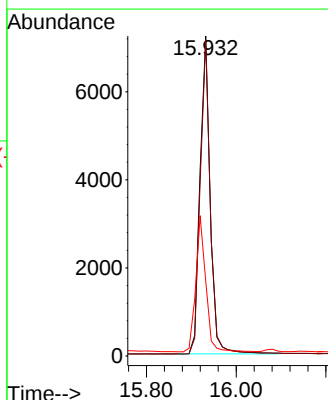
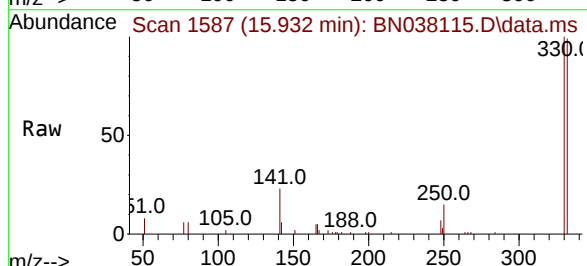
Instrument :
BNA_N
ClientSampleId :
SSTDICC1.6

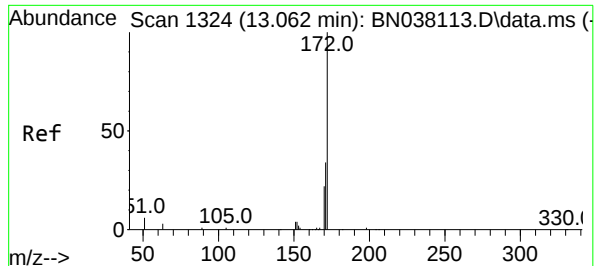
Tgt Ion	164	Resp	16624
Ion	Ratio	Lower	Upper
164	100		
162	103.5	83.0	124.4
160	50.5	40.7	61.1



#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	330	Resp	11390
Ion	Ratio	Lower	Upper
330	100		
332	97.4	76.6	114.8
141	41.9	34.1	51.1

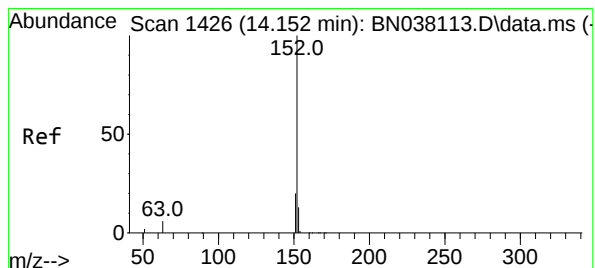
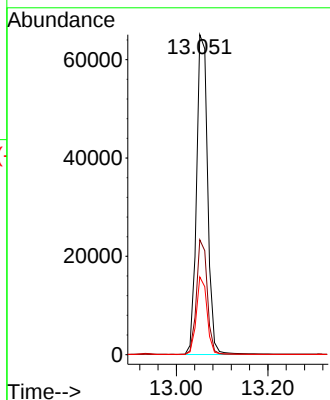
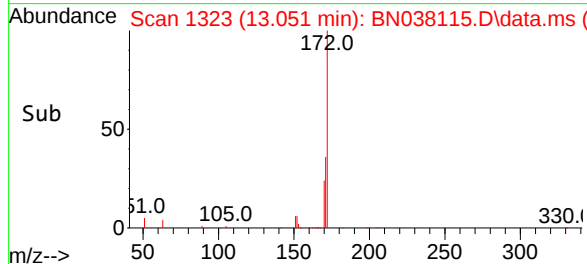
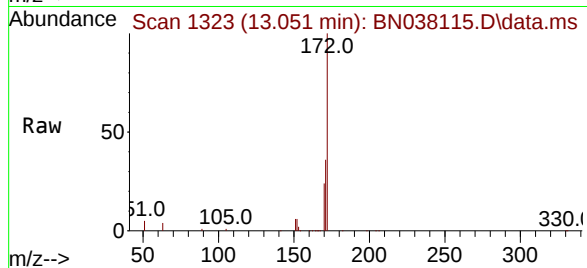




#15
2-Fluorobiphenyl
Concen: 1.613 ng
RT: 13.051 min Scan# 1323
Delta R.T. 0.000 min
Lab File: BN038115.D
Acq: 28 Oct 2025 15:25

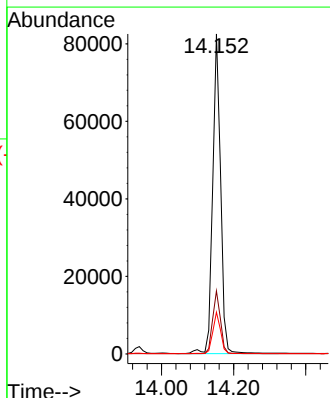
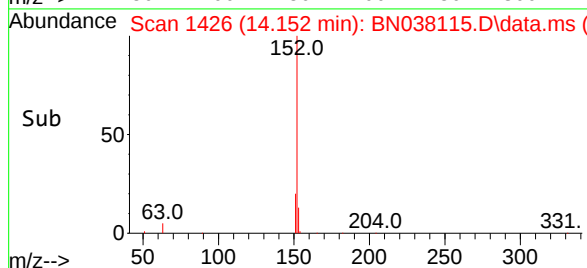
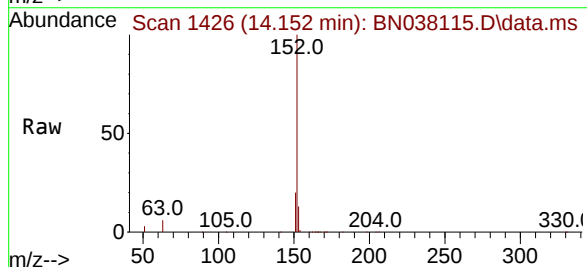
Instrument :
BNA_N
ClientSampleId :
SSTDICC1.6

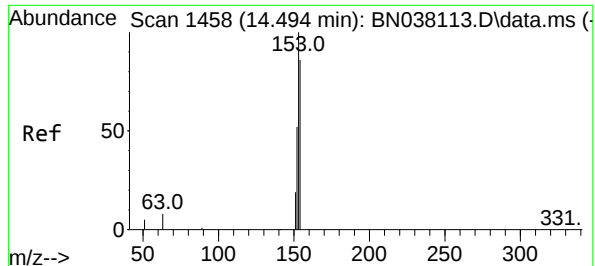
Tgt Ion:172 Resp: 107386
Ion Ratio Lower Upper
172 100
171 35.9 27.8 41.6
170 24.3 18.1 27.1



#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

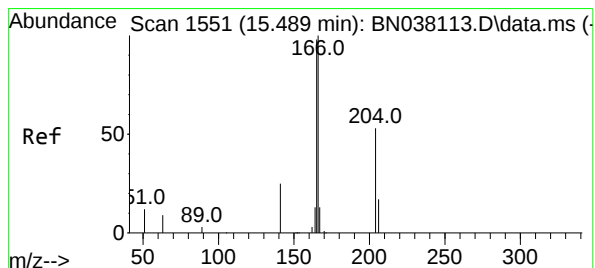
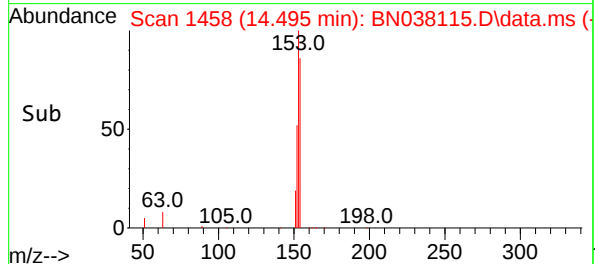
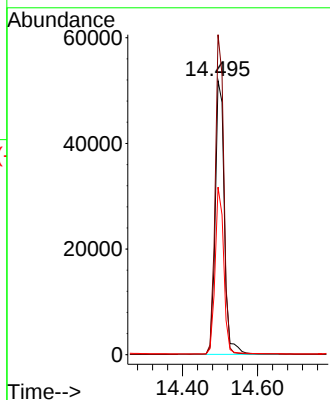
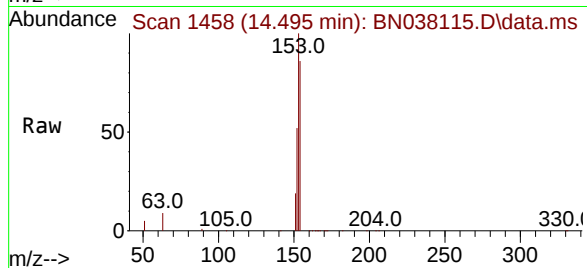




#17
Acenaphthene
Concen: 1.664 ng
RT: 14.495 min Scan# 1458
Delta R.T. 0.000 min
Lab File: BN038115.D
Acq: 28 Oct 2025 15:25

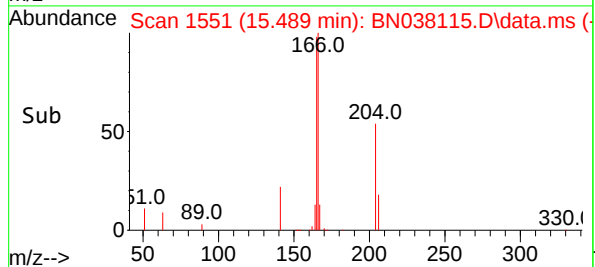
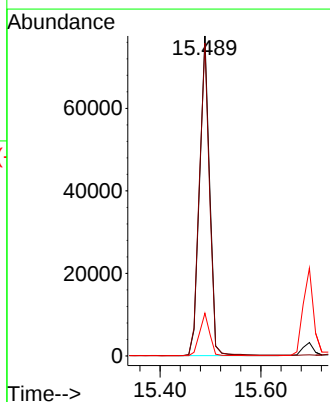
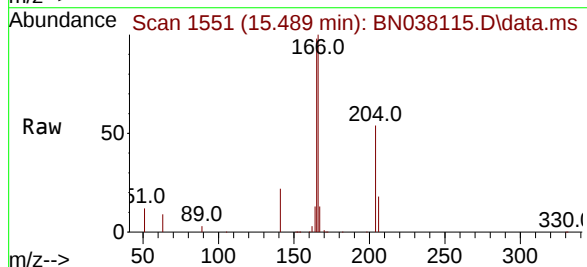
Instrument :
BNA_N
ClientSampleId :
SSTDICC1.6

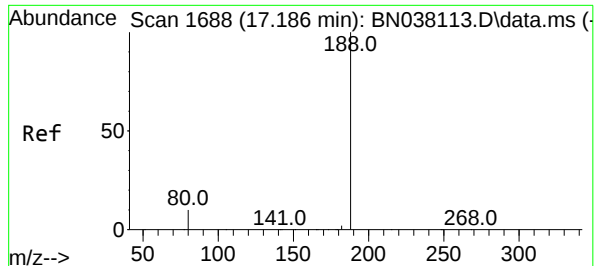
Tgt Ion:154 Resp: 87659
Ion Ratio Lower Upper
154 100
153 110.3 90.0 135.0
152 57.5 47.3 70.9



#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

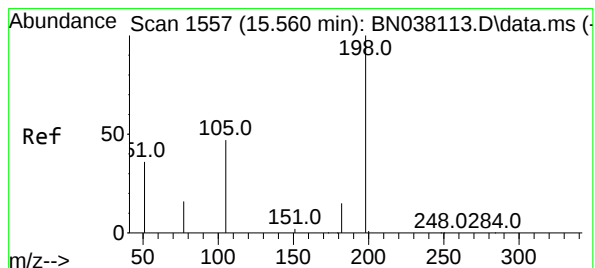
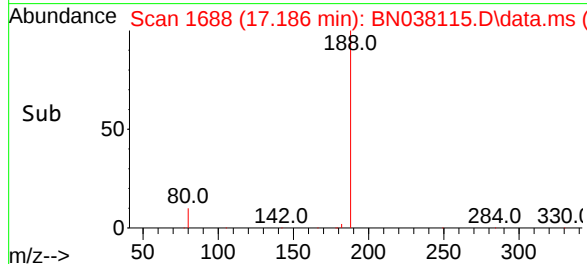
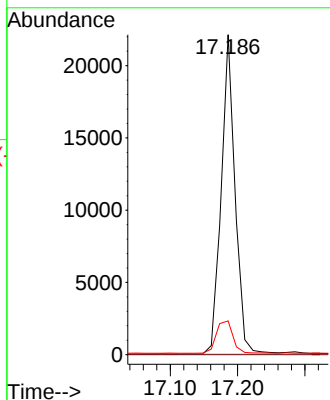
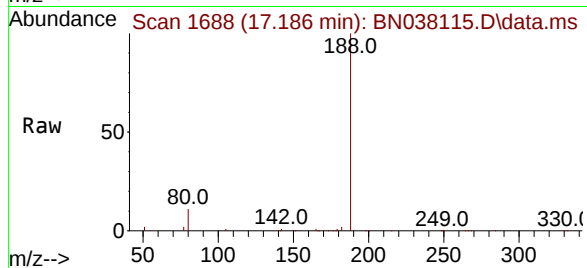
Tgt Ion:188 Resp: 31469

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

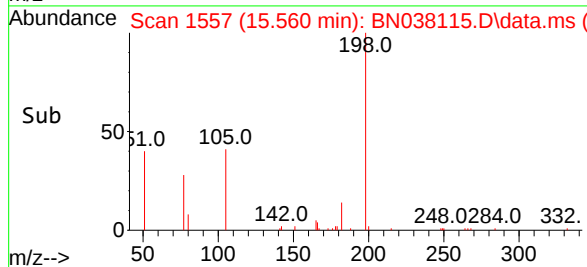
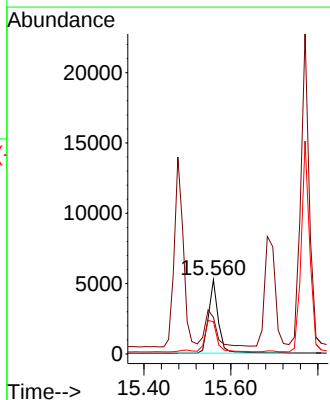
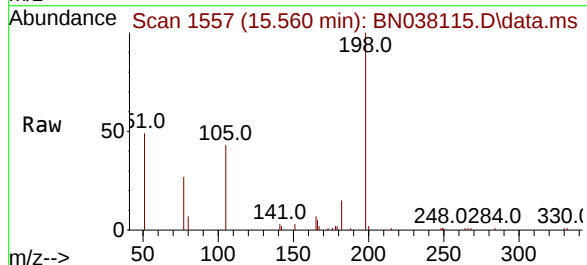
Tgt Ion:198 Resp: 7997

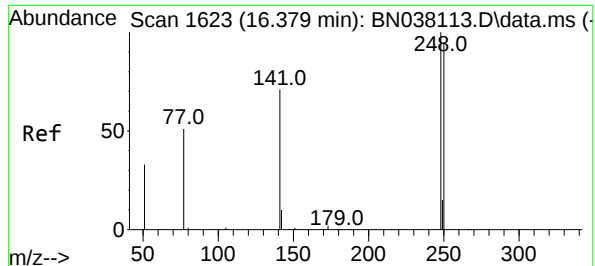
Ion Ratio Lower Upper

198 100

51 49.4 88.9 133.3#

105 43.5 49.2 73.8#

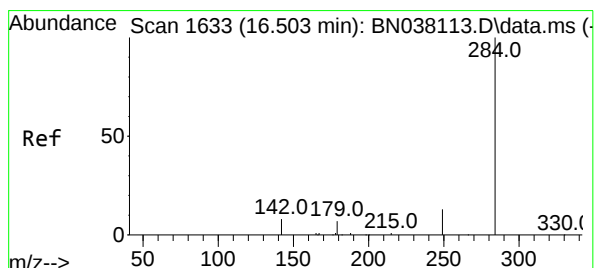
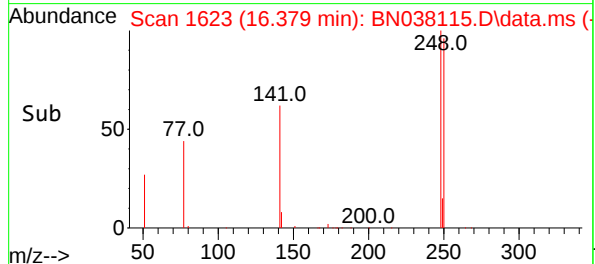
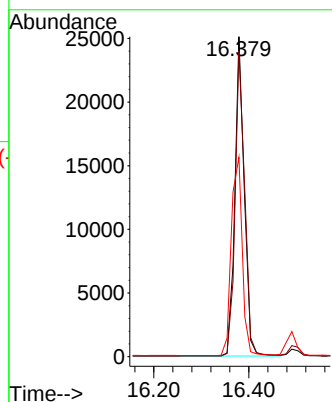
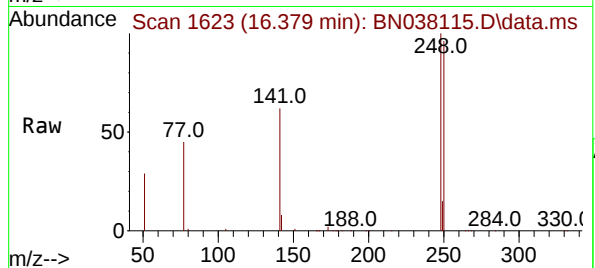




#21
4-Bromophenyl-phenylether
Concen: 1.669 ng
RT: 16.379 min Scan# 1623
Delta R.T. 0.000 min
Lab File: BN038115.D
Acq: 28 Oct 2025 15:25

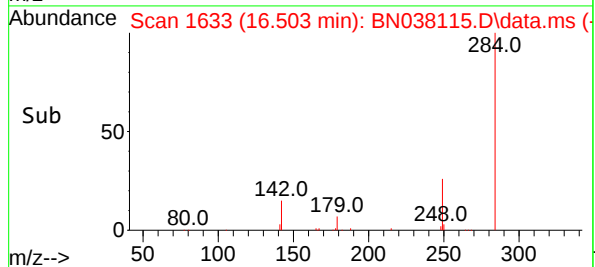
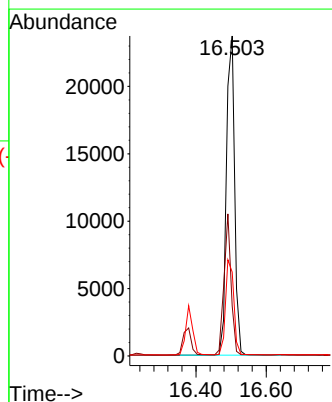
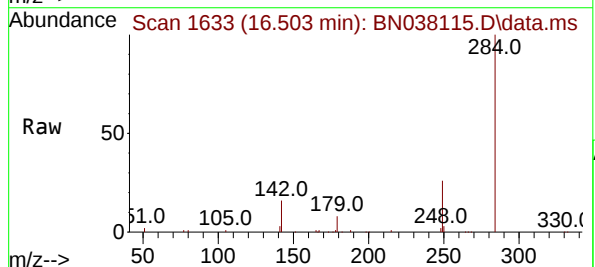
Instrument :
BNA_N
ClientSampleId :
SSTDICC1.6

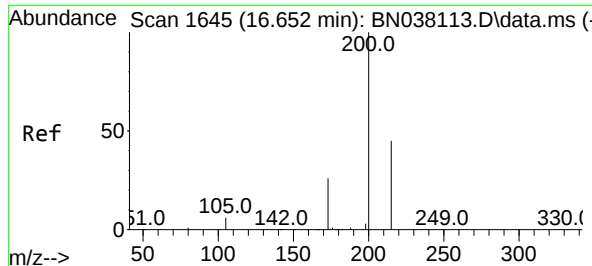
Tgt Ion:248 Resp: 34434
Ion Ratio Lower Upper
248 100
250 95.6 76.2 114.2
141 62.3 57.6 86.4



#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:284 Resp: 38518
Ion Ratio Lower Upper
284 100
142 38.3 30.5 45.7
249 30.0 23.5 35.3

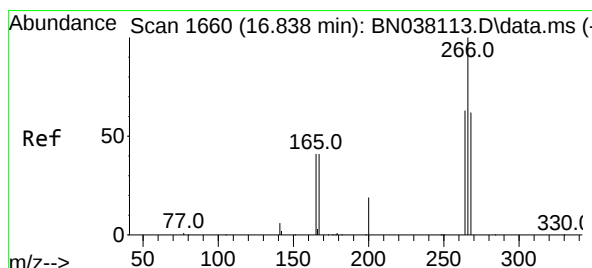
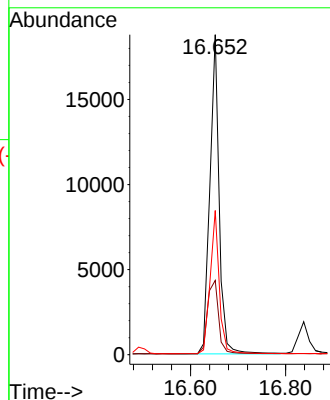
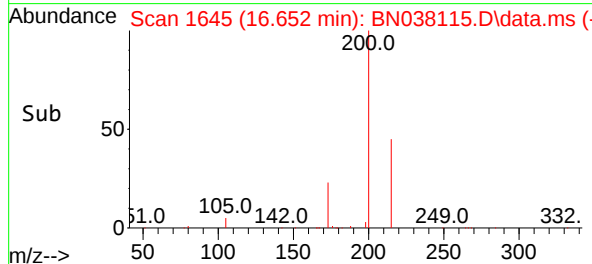
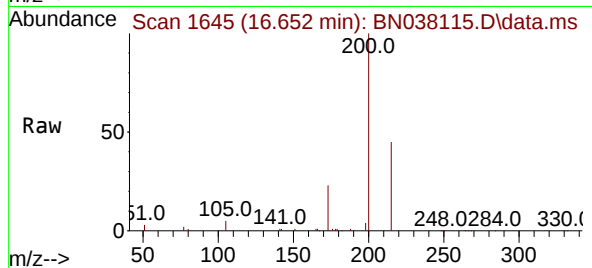




#23
Atrazine
Concen: 1.693 ng
RT: 16.652 min Scan# 1645
Delta R.T. 0.000 min
Lab File: BN038115.D
Acq: 28 Oct 2025 15:25

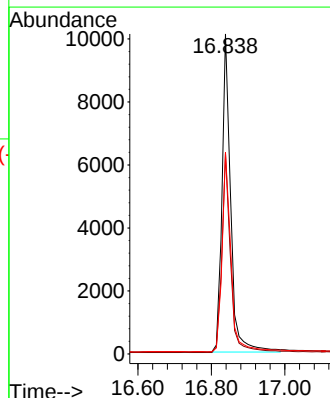
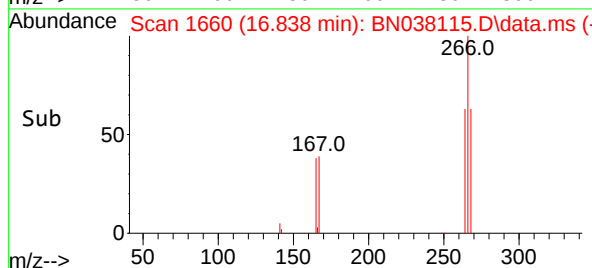
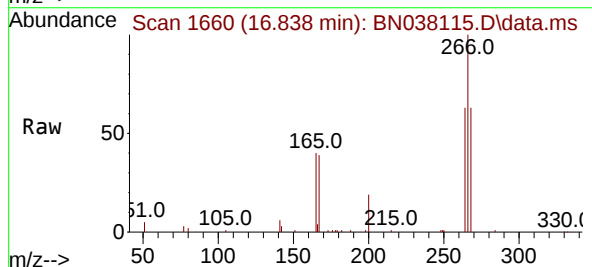
Instrument :
BNA_N
ClientSampleId :
SSTDICC1.6

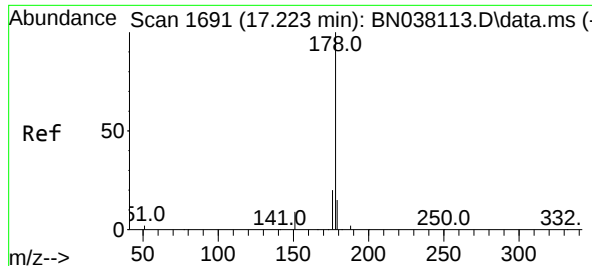
Tgt Ion	Ratio	Lower	Upper
200	100		
173	23.2	21.4	32.2
215	45.1	36.7	55.1



#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

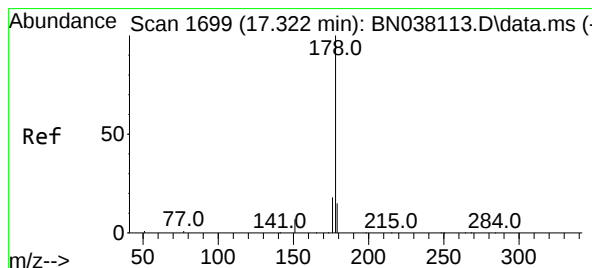
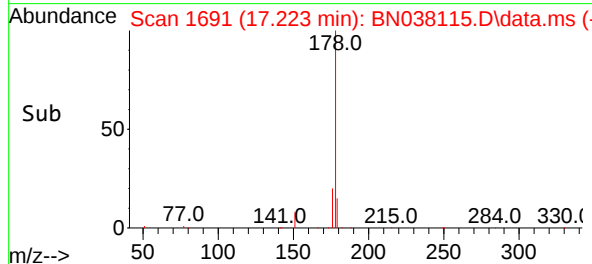
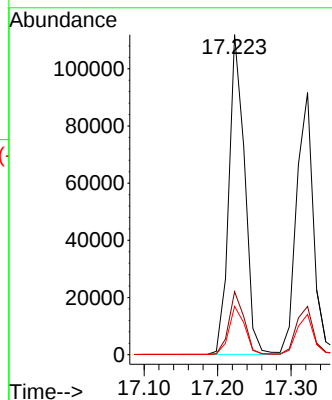
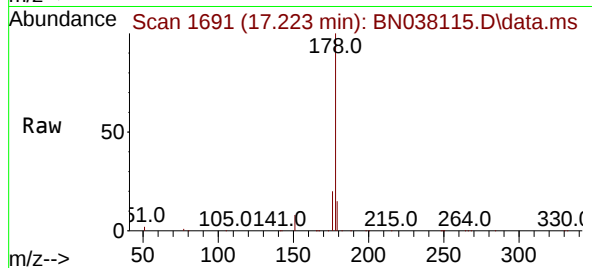




#25
Phenanthrene
Concen: 1.671 ng
RT: 17.223 min Scan# 1691
Delta R.T. 0.000 min
Lab File: BN038115.D
Acq: 28 Oct 2025 15:25

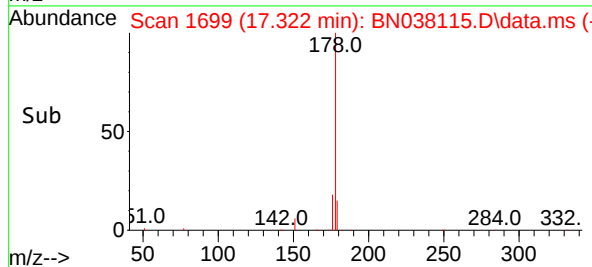
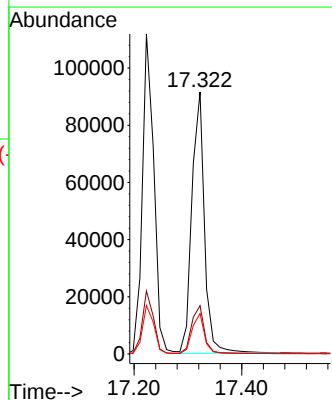
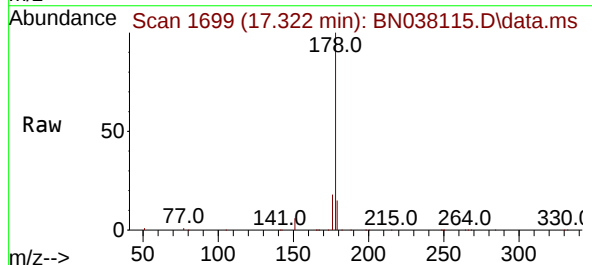
Instrument :
BNA_N
ClientSampleId :
SSTDICC1.6

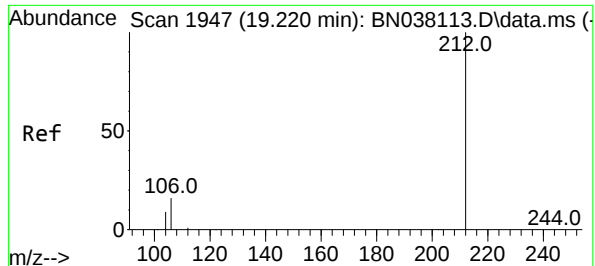
Tgt Ion:178 Resp: 166989
Ion Ratio Lower Upper
178 100
176 19.2 15.5 23.3
179 15.2 12.2 18.4



#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

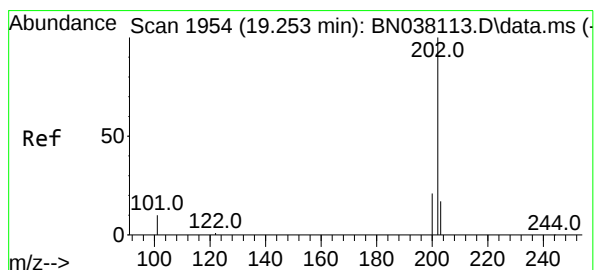
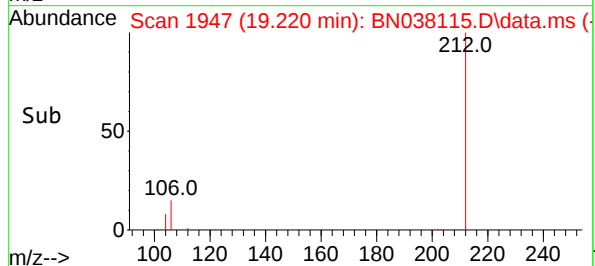
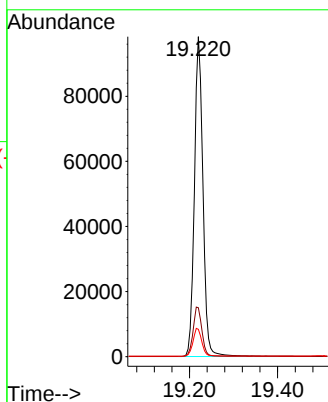
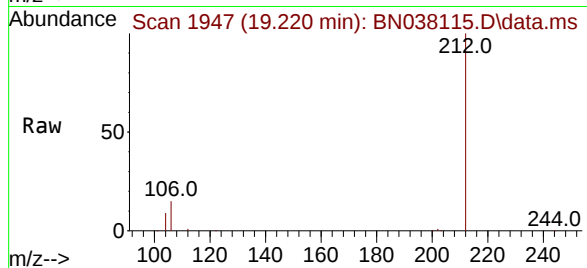
Tgt Ion:212 Resp: 132146

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

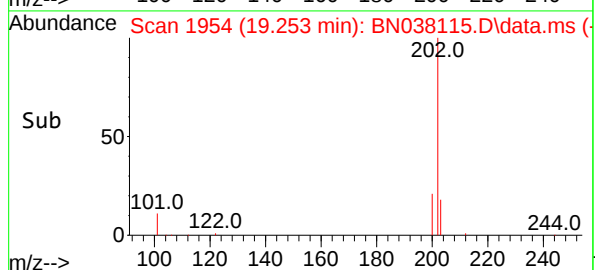
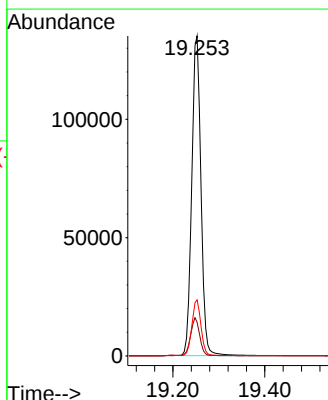
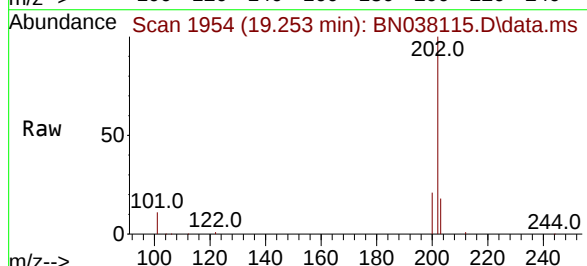
Tgt Ion:202 Resp: 187774

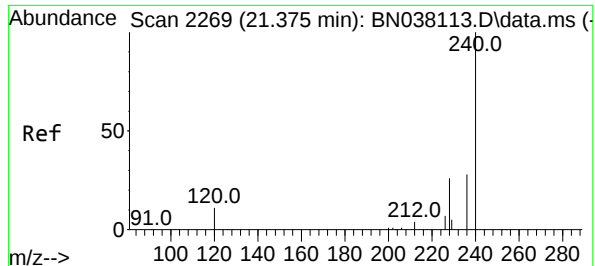
Ion Ratio Lower Upper

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

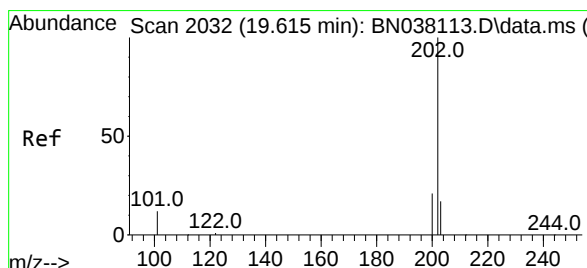
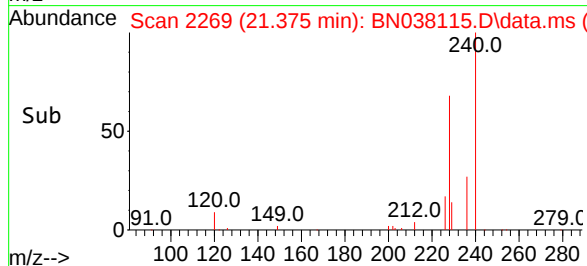
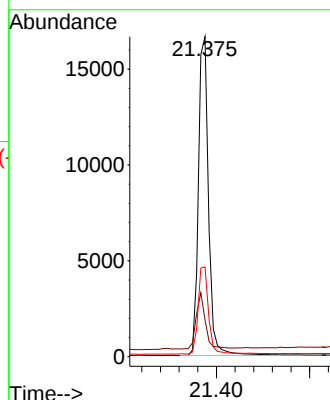
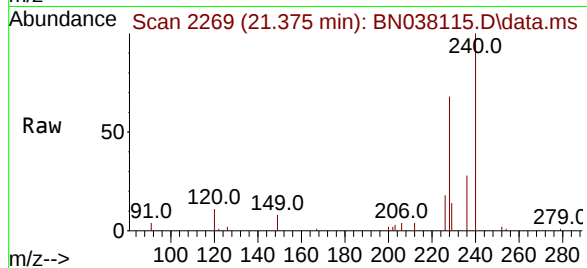
Tgt Ion:240 Resp: 25173

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

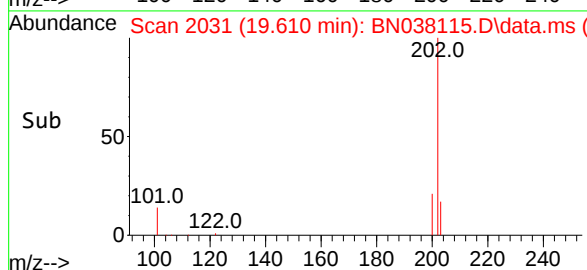
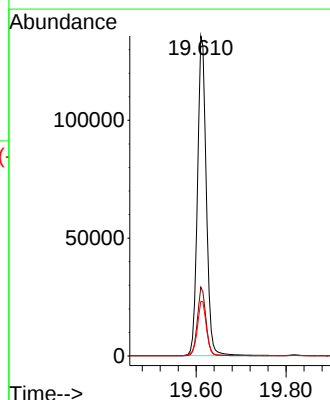
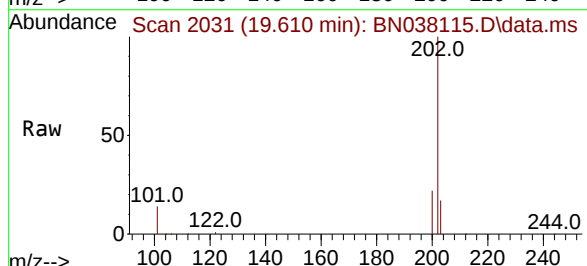
Tgt Ion:202 Resp: 184735

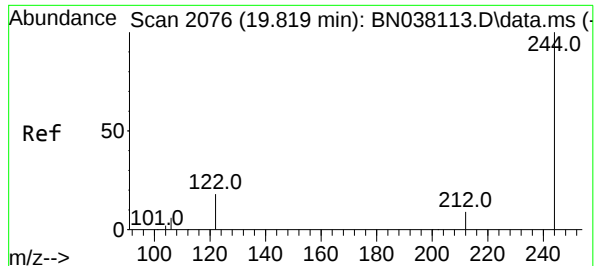
Ion Ratio Lower Upper

202 100

200 21.0 16.7 25.1

203 17.7 14.2 21.2

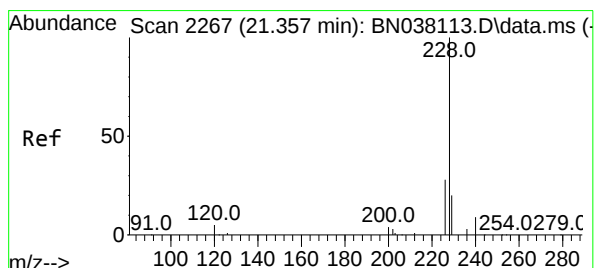
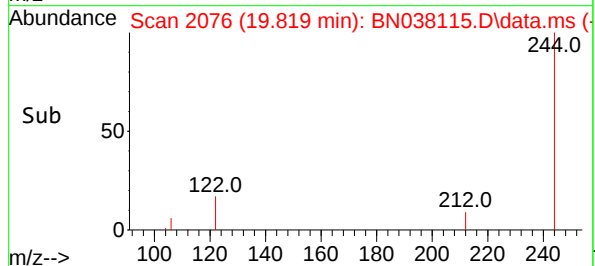
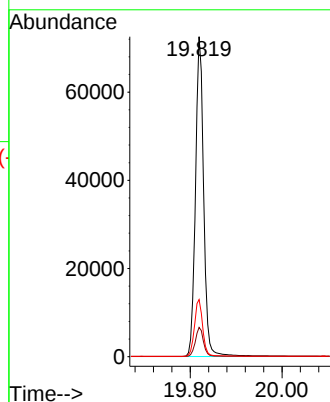
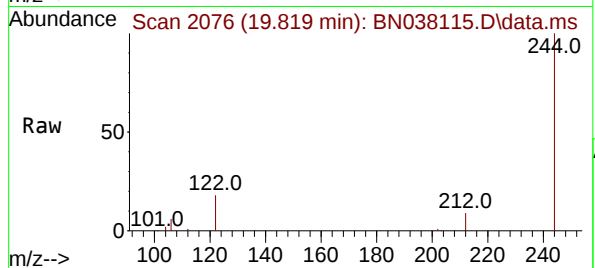




#31
Terphenyl-d14
Concen: 1.642 ng
RT: 19.819 min Scan# 2076
Delta R.T. 0.000 min
Lab File: BN038115.D
Acq: 28 Oct 2025 15:25

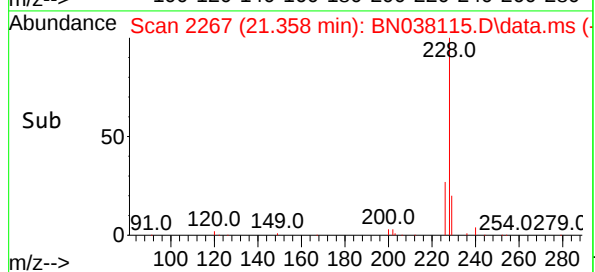
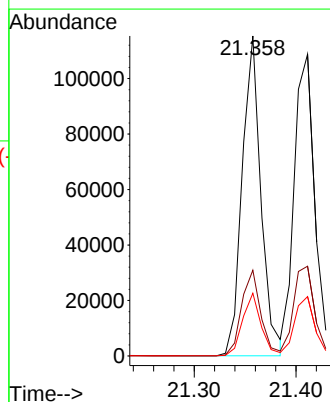
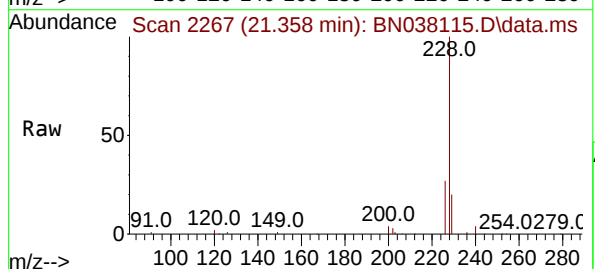
Instrument :
BNA_N
ClientSampleId :
SSTDICC1.6

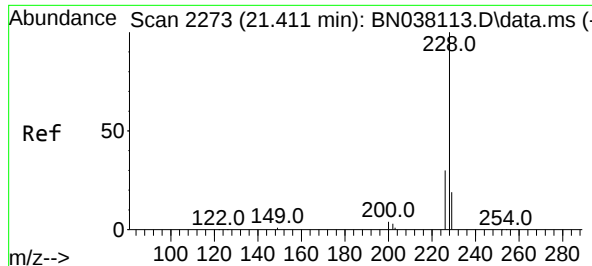
Tgt Ion:244 Resp: 89776
Ion Ratio Lower Upper
244 100
212 9.1 7.8 11.6
122 17.8 15.2 22.8



#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

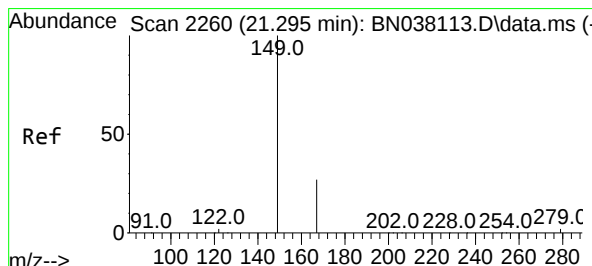
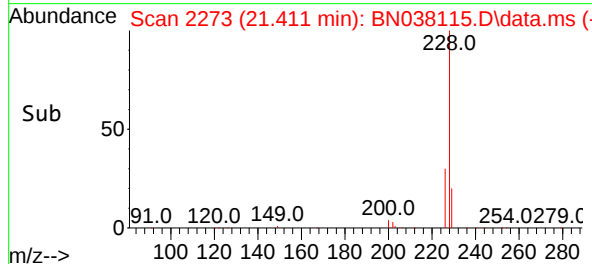
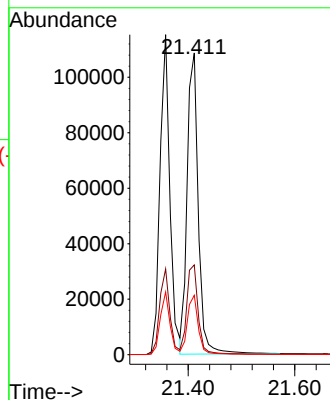
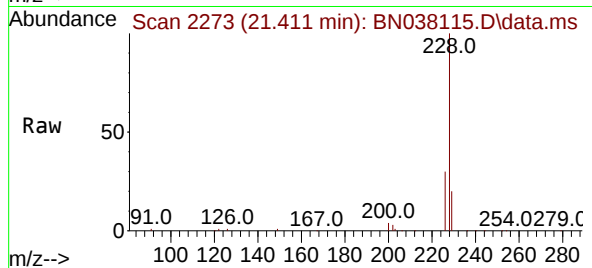
Tgt Ion:228 Resp: 156927

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

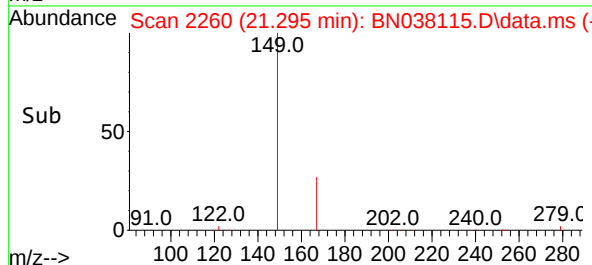
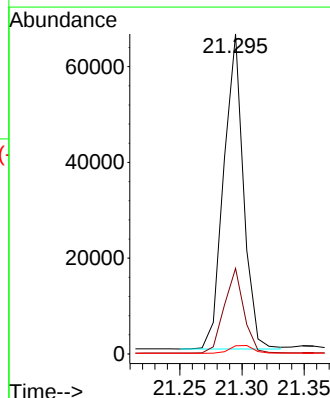
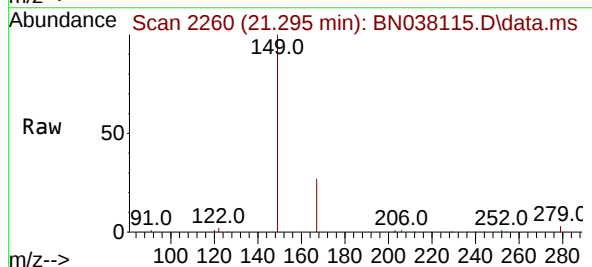
Tgt Ion:149 Resp: 72607

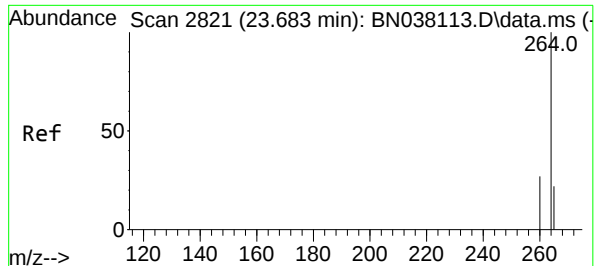
Ion Ratio Lower Upper

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

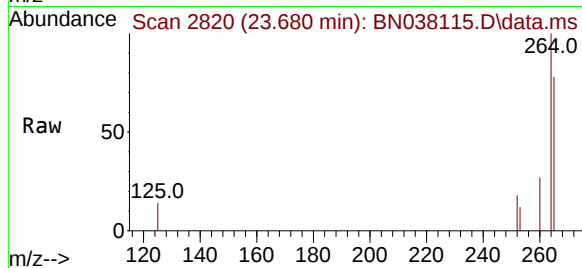
Acq: 28 Oct 2025 15:25

Instrument :

BNA_N

ClientSampleId :

SSTDICC1.6



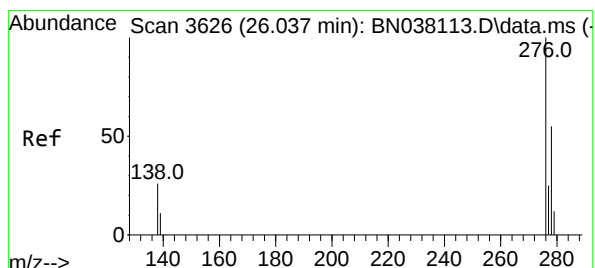
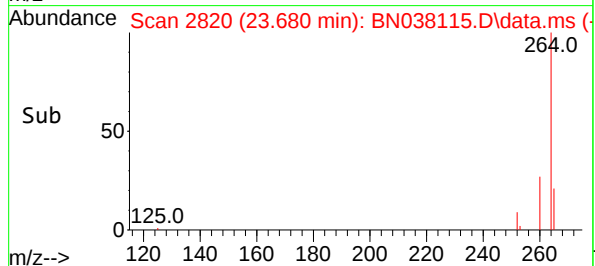
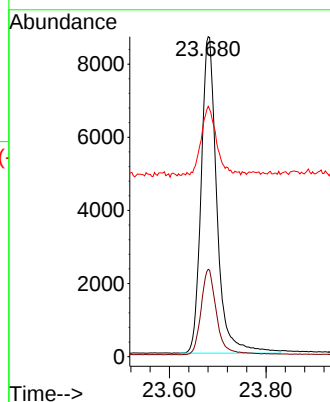
Tgt Ion:264 Resp: 19529

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

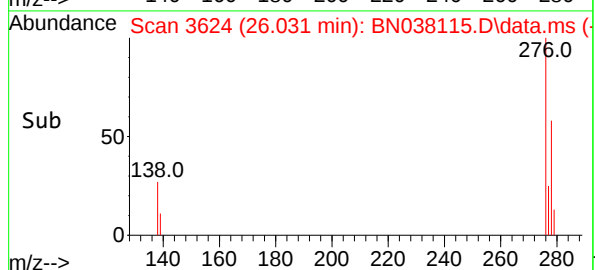
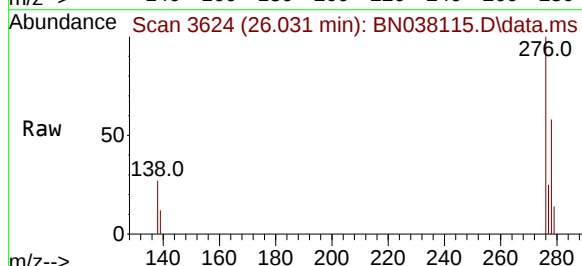
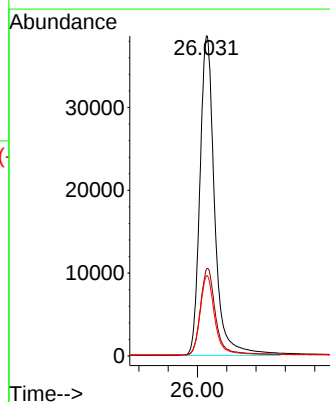
Tgt Ion:276 Resp: 135169

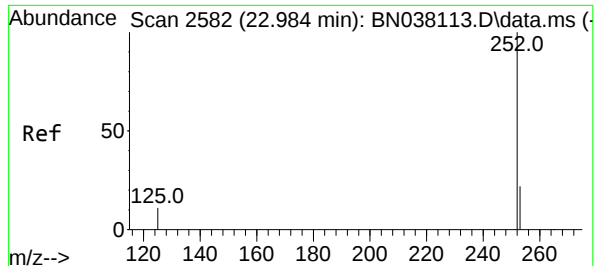
Ion Ratio Lower Upper

276 100

138 27.6 21.4 32.0

277 24.5 19.2 28.8

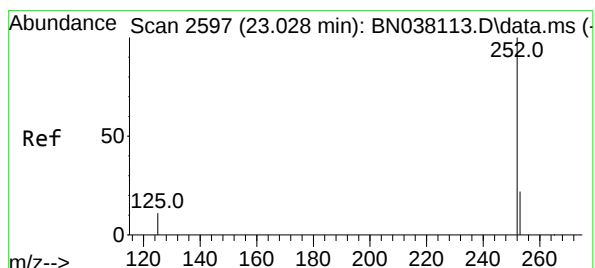
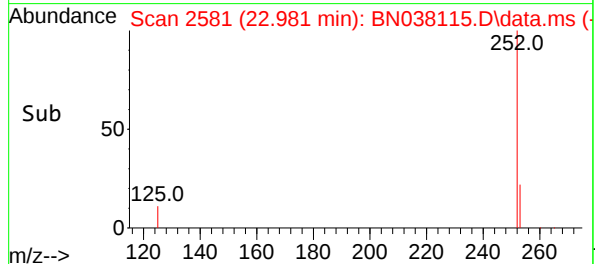
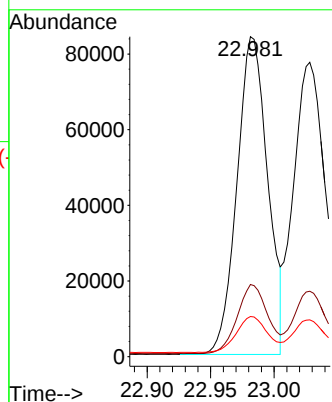
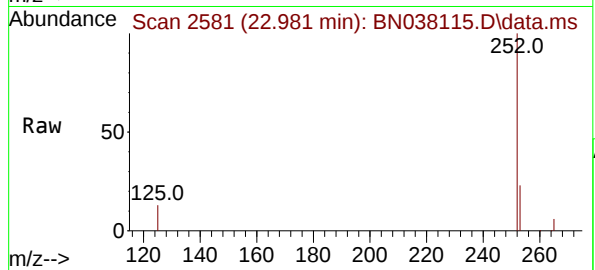




#37
Benzo(b)fluoranthene
Concen: 1.689 ng
RT: 22.981 min Scan# 2581
Delta R.T. 0.000 min
Lab File: BN038115.D
Acq: 28 Oct 2025 15:25

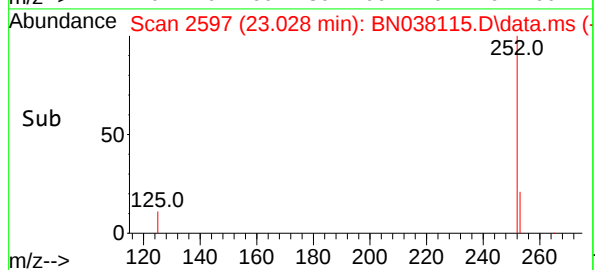
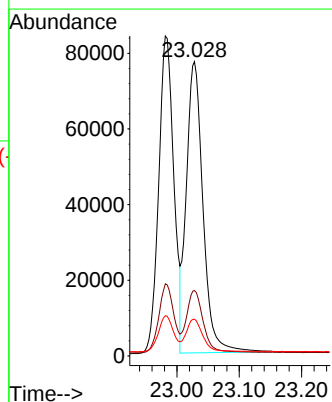
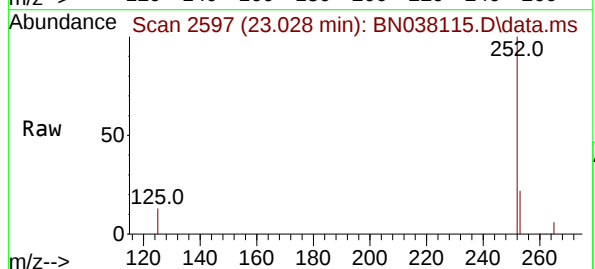
Instrument :
BNA_N
ClientSampleId :
SSTDICC1.6

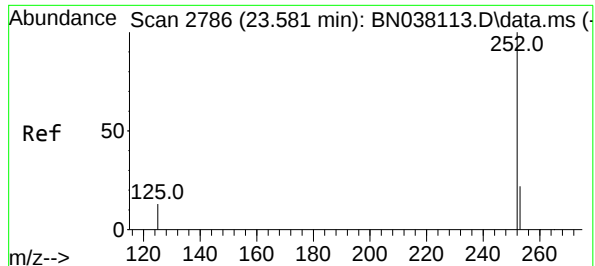
Tgt Ion:252 Resp: 141041
Ion Ratio Lower Upper
252 100
253 22.5 20.9 31.3
125 12.6 14.1 21.1#



#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

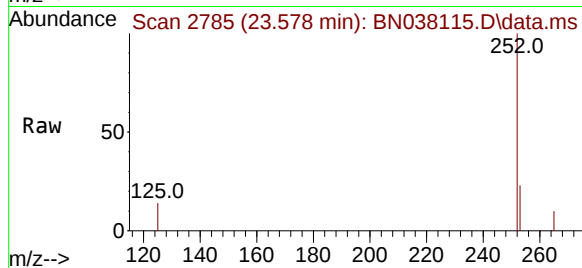
Acq: 28 Oct 2025 15:25

Instrument :

BNA_N

ClientSampleId :

SSTDICC1.6



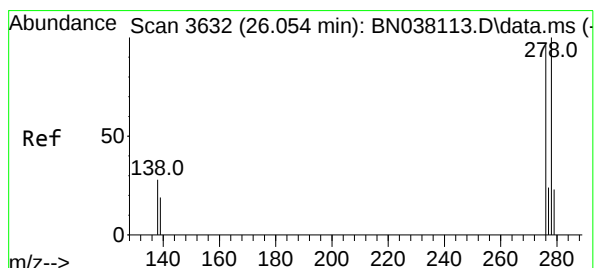
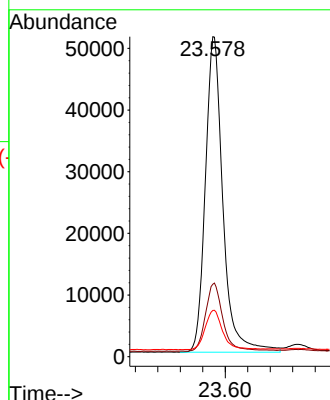
Tgt Ion:252 Resp: 110949

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

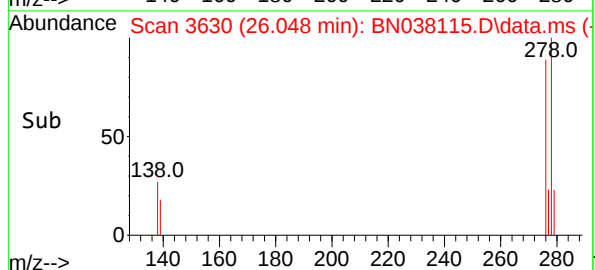
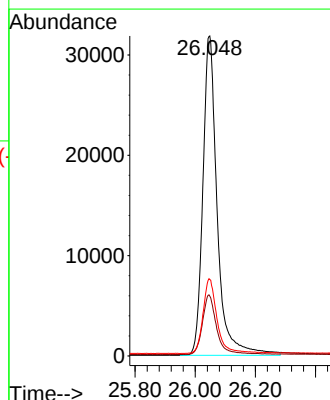
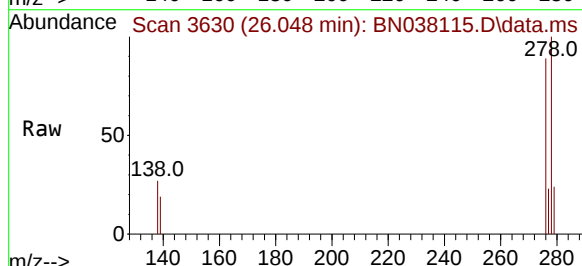
Tgt Ion:278 Resp: 105589

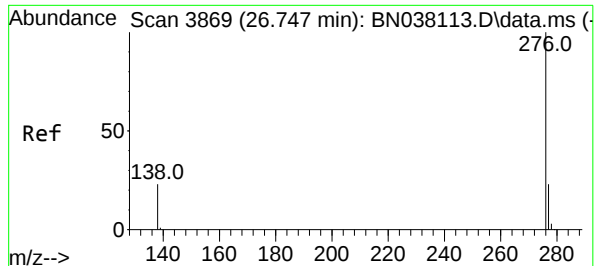
Ion Ratio Lower Upper

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

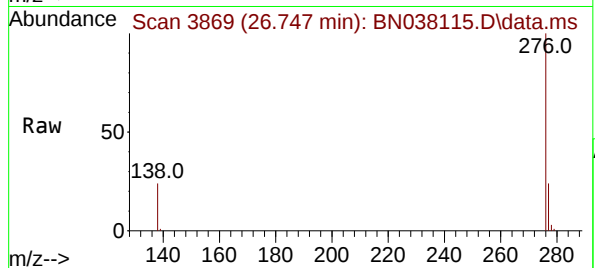
Acq: 28 Oct 2025 15:25

Instrument :

BNA_N

ClientSampleId :

SSTDICC1.6



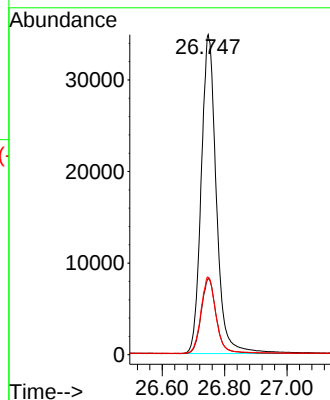
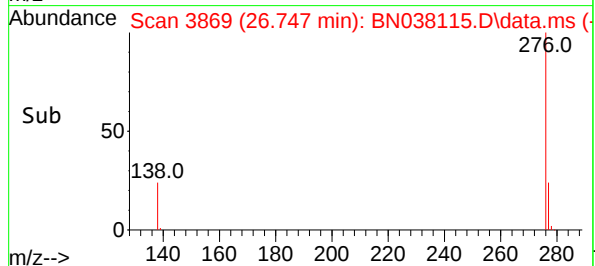
Tgt Ion:276 Resp: 117071

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)

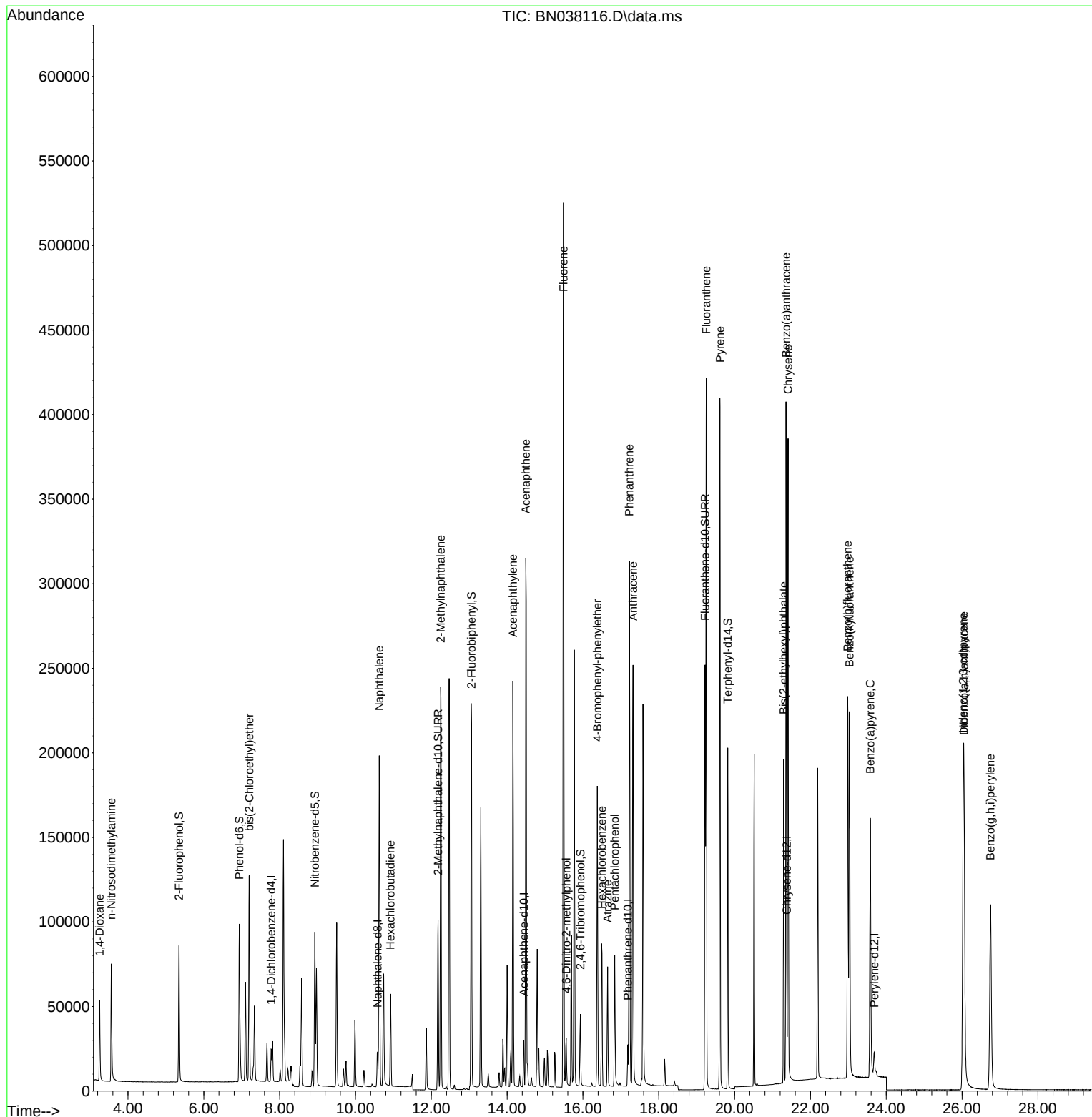
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.775	152	9743	0.400	ng	0.00
7) Naphthalene-d8	10.584	136	28864	0.400	ng	0.01
13) Acenaphthene-d10	14.441	164	16547	0.400	ng	0.01
19) Phenanthrene-d10	17.186	188	31206	0.400	ng	0.00
29) Chrysene-d12	21.375	240	26115	0.400	ng	0.00
35) Perylene-d12	23.683	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

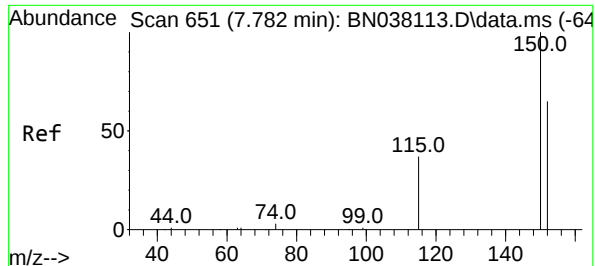
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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

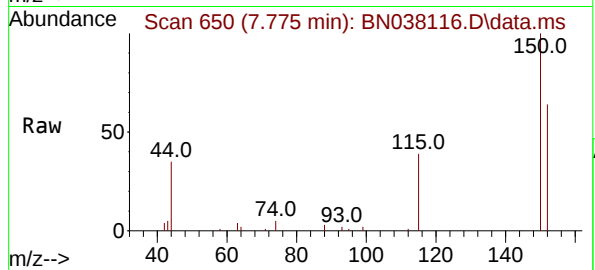
Quant Time: Oct 28 17:31:55 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN102825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Oct 28 17:15:13 2025
Response via : Initial Calibration



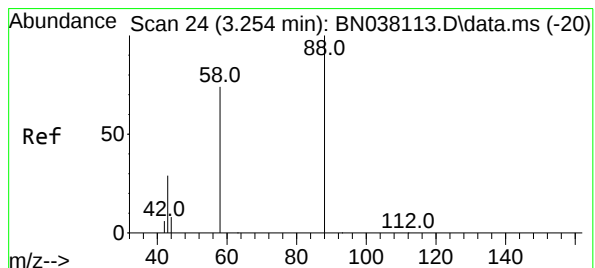
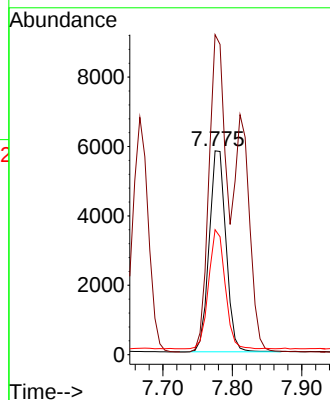
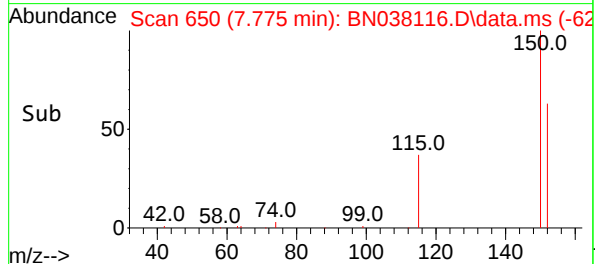


#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.775 min Scan# 61
Delta R.T. -0.000 min
Lab File: BN038116.D
Acq: 28 Oct 2025 16:02

Instrument :
BNA_N
ClientSampleId :
SSTDICC3.2

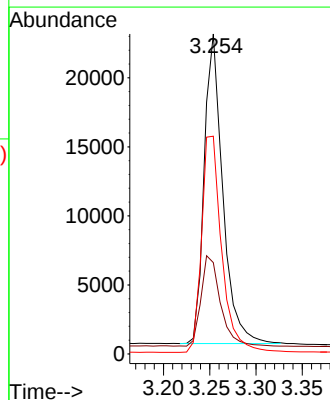
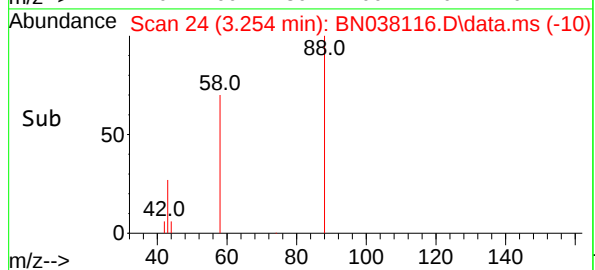
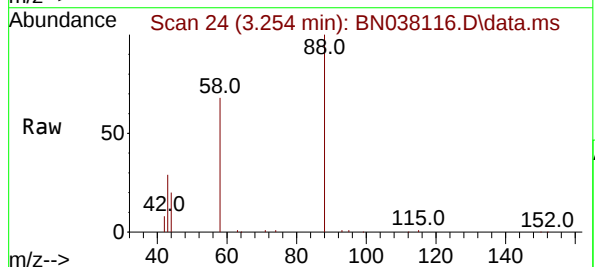


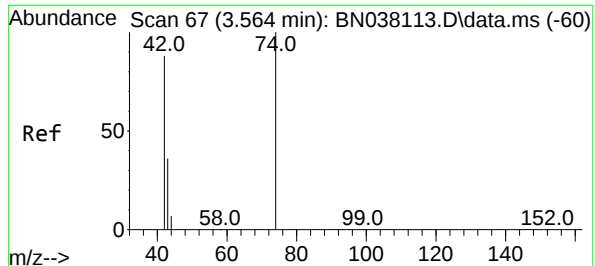
Tgt Ion:152 Resp: 9743
Ion Ratio Lower Upper
152 100
150 157.0 122.3 183.5
115 61.3 47.4 71.0



#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

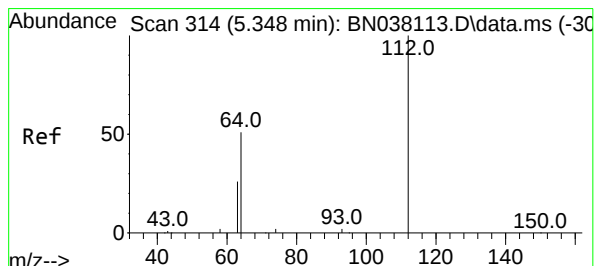
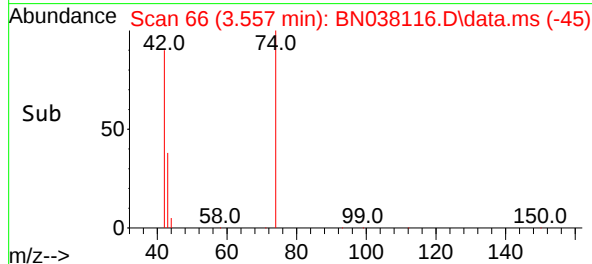
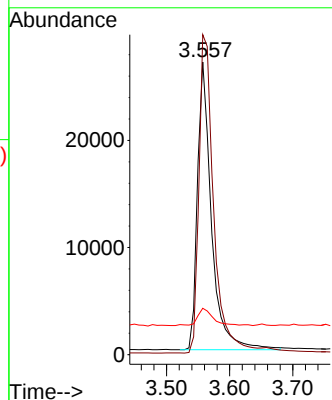
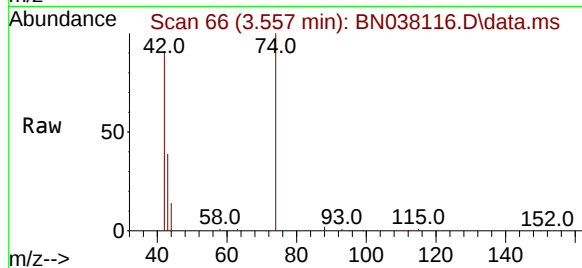




#3
n-Nitrosodimethylamine
Concen: 3.211 ng
RT: 3.557 min Scan# 60
Delta R.T. 0.000 min
Lab File: BN038116.D
Acq: 28 Oct 2025 16:02

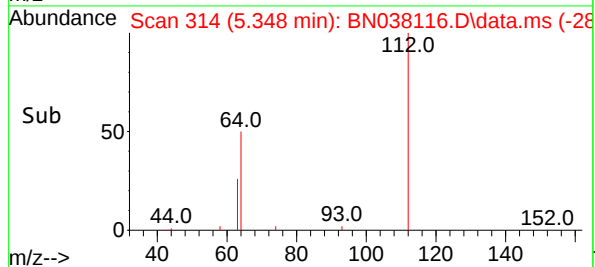
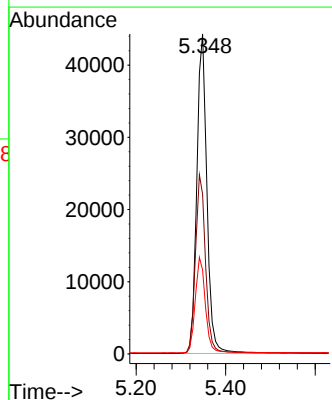
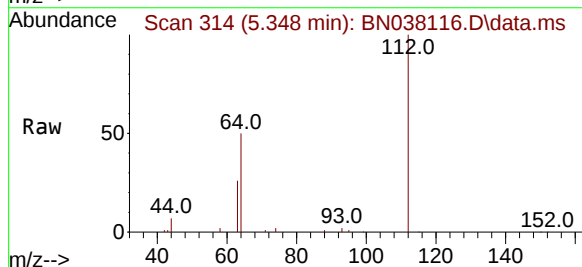
Instrument :
BNA_N
ClientSampleId :
SSTDICC3.2

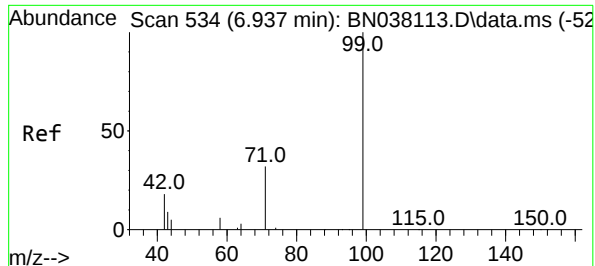
Tgt Ion: 42 Resp: 41593
Ion Ratio Lower Upper
42 100
74 116.1 96.8 145.2
44 6.8 5.3 7.9



#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

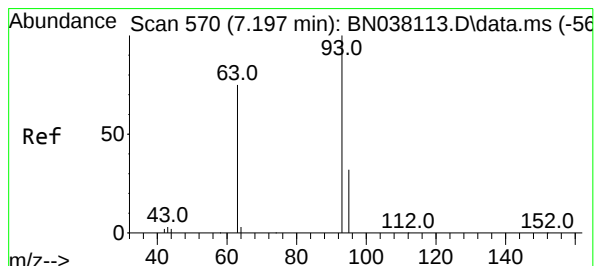
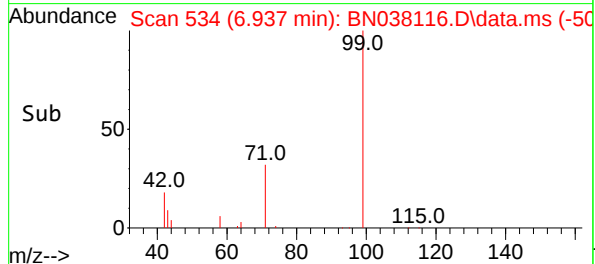
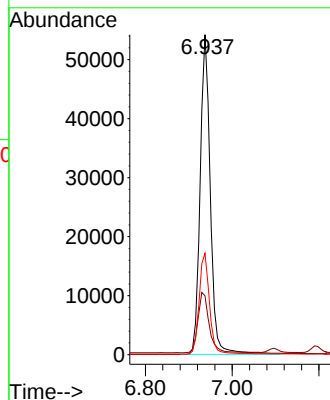
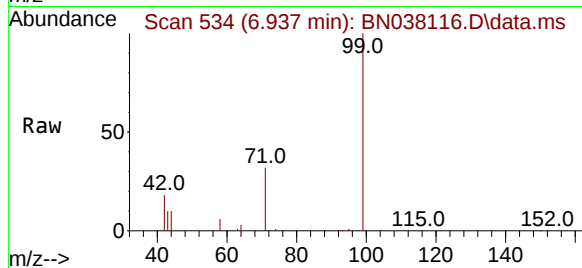




#5
Phenol-d6
Concen: 3.171 ng
RT: 6.937 min Scan# 51
Delta R.T. 0.000 min
Lab File: BN038116.D
Acq: 28 Oct 2025 16:02

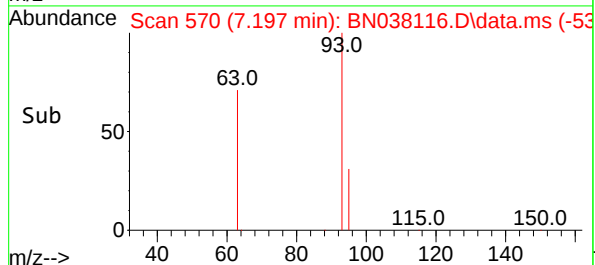
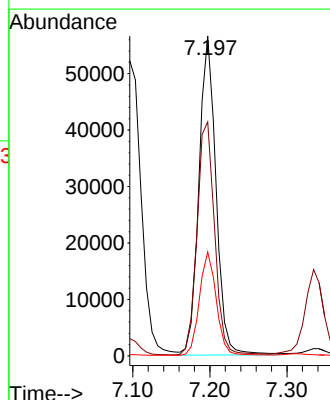
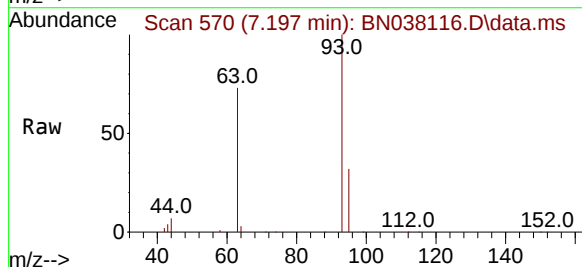
Instrument :
BNA_N
ClientSampleId :
SSTDICC3.2

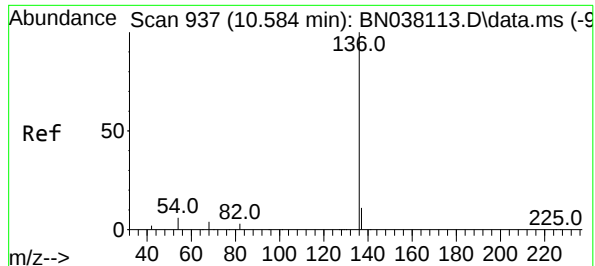
Tgt Ion: 99 Resp: 88646
Ion Ratio Lower Upper
99 100
42 20.7 16.6 24.8
71 32.4 25.4 38.2



#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

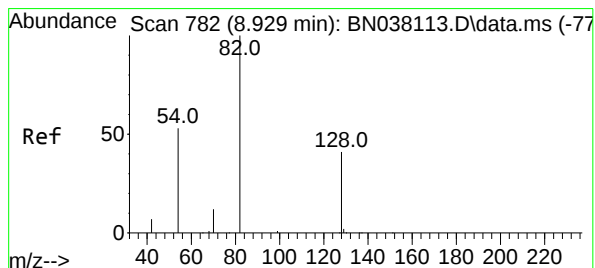
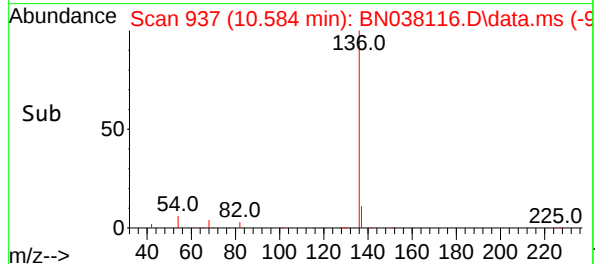
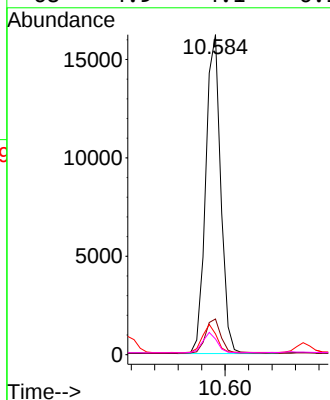
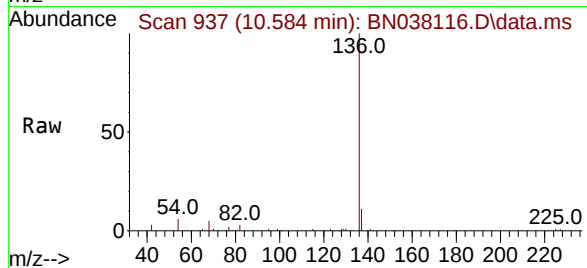




#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.584 min Scan# 91
Delta R.T. 0.011 min
Lab File: BN038116.D
Acq: 28 Oct 2025 16:02

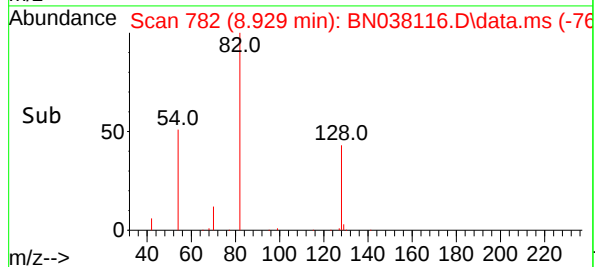
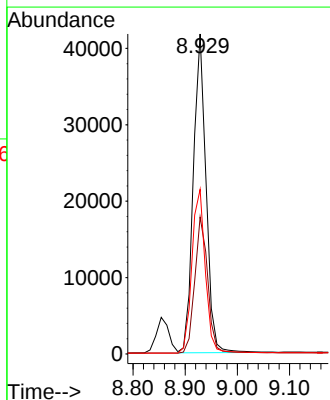
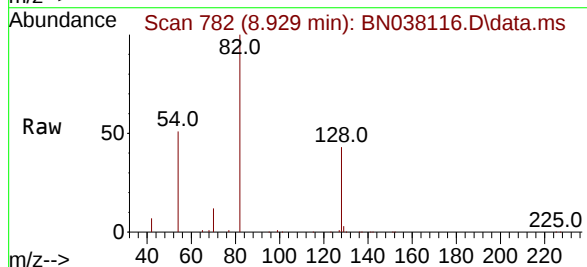
Instrument :
BNA_N
ClientSampleId :
SSTDICC3.2

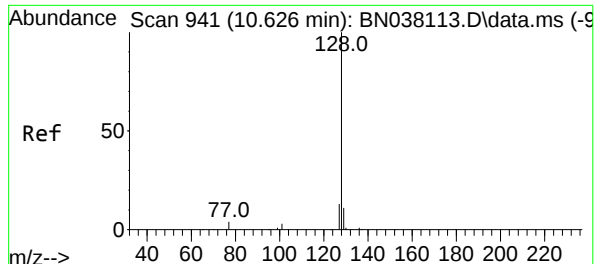
Tgt Ion:	136	Resp:	28864
Ion	Ratio	Lower	Upper
136	100		
137	11.2	9.0	13.4
54	6.5	5.2	7.8
68	4.9	4.1	6.1



#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

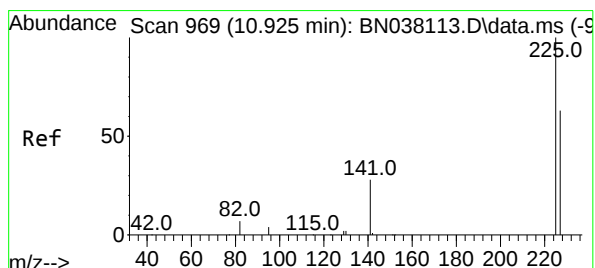
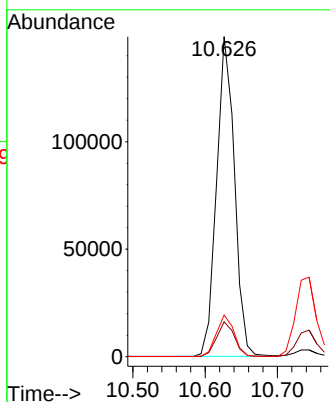
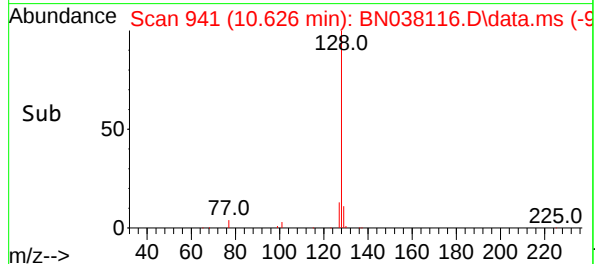
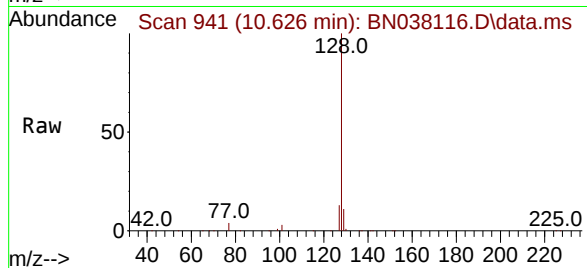




#9
Naphthalene
Concen: 3.215 ng
RT: 10.626 min Scan# 941
Delta R.T. 0.000 min
Lab File: BN038116.D
Acq: 28 Oct 2025 16:02

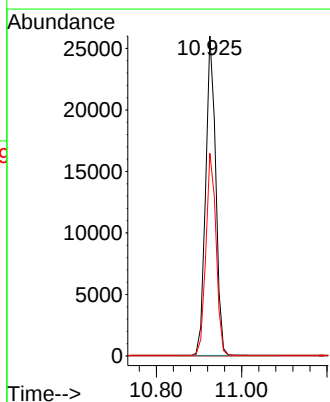
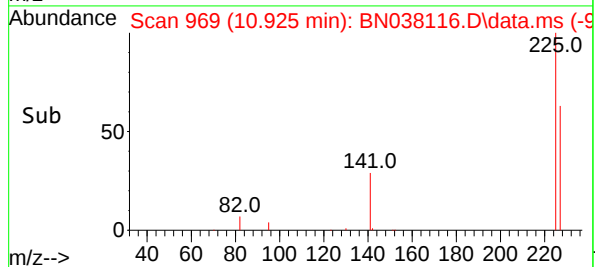
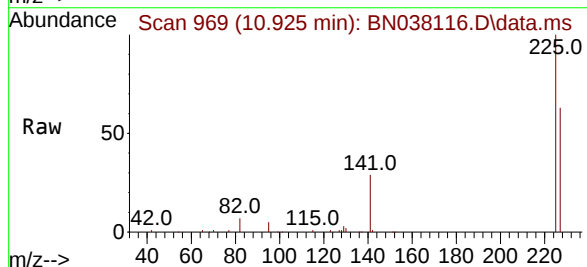
Instrument :
BNA_N
ClientSampleId :
SSTDICC3.2

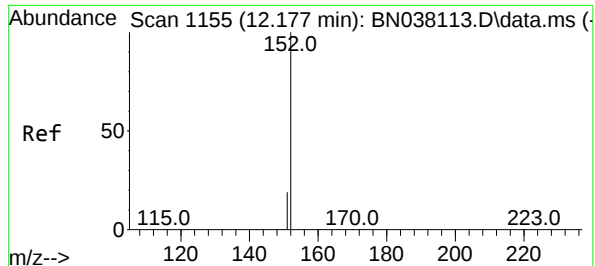
Tgt Ion:128 Resp: 255606
Ion Ratio Lower Upper
128 100
129 10.9 9.1 13.7
127 13.0 10.5 15.7



#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

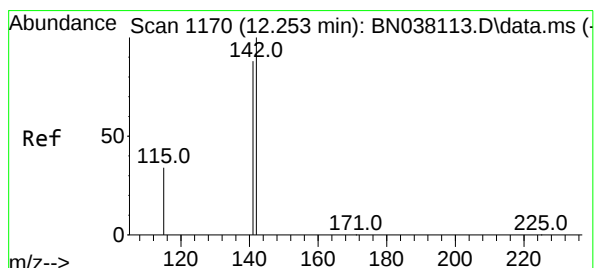
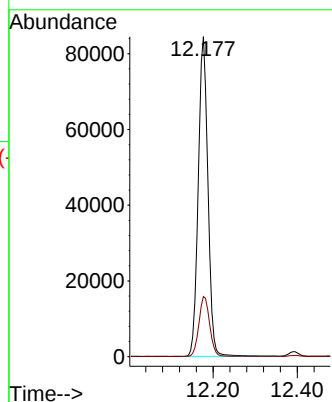
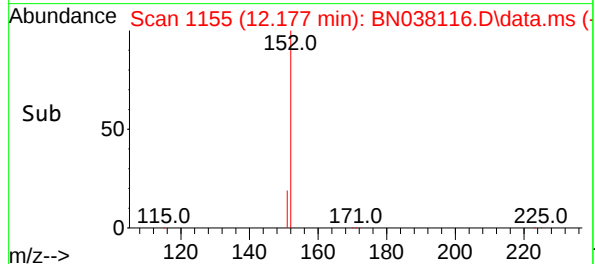
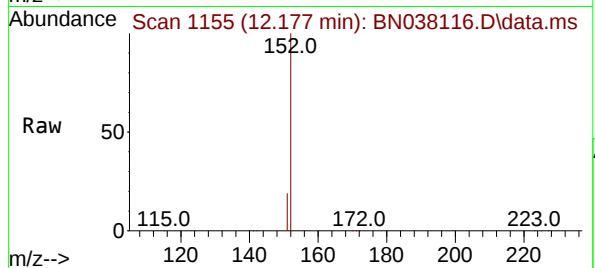




#11
2-Methylnaphthalene-d10
Concen: 3.270 ng
RT: 12.177 min Scan# 1155
Delta R.T. 0.000 min
Lab File: BN038116.D
Acq: 28 Oct 2025 16:02

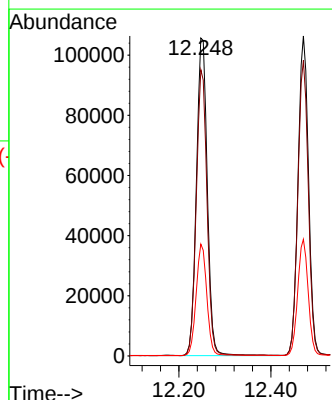
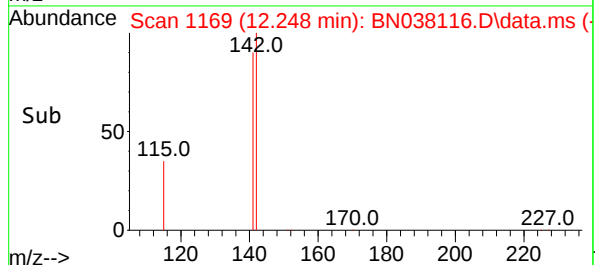
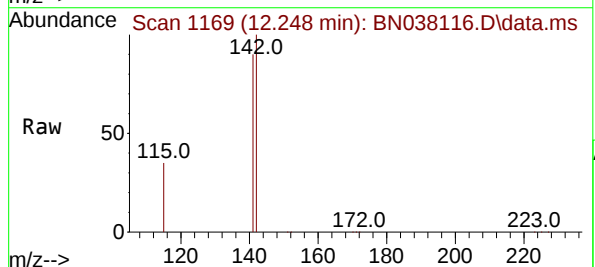
Instrument :
BNA_N
ClientSampleId :
SSTDICC3.2

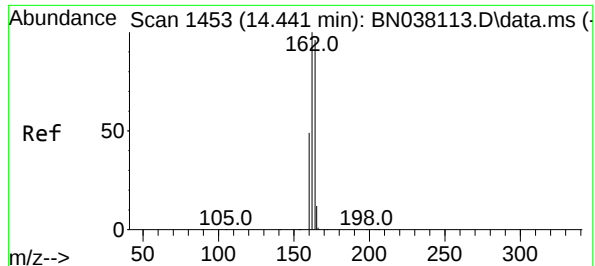
Tgt Ion:152 Resp: 134773
Ion Ratio Lower Upper
152 100
151 20.9 16.8 25.2



#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

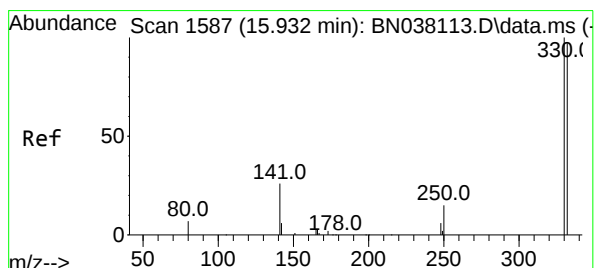
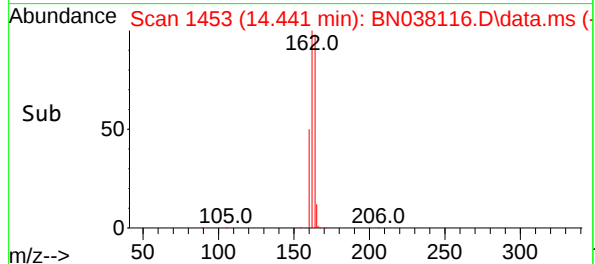
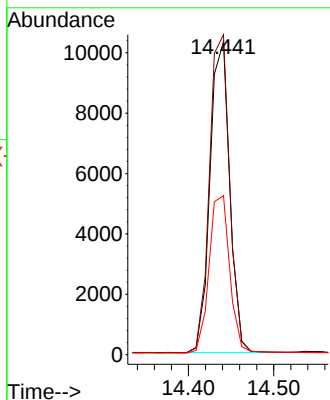
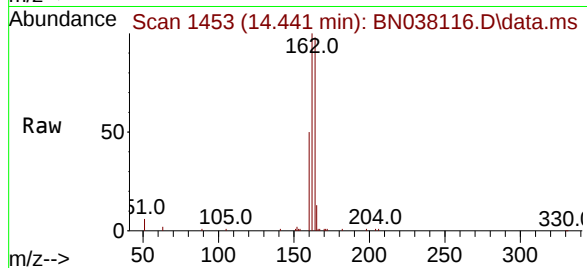




#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.441 min Scan# 1453
Delta R.T. 0.011 min
Lab File: BN038116.D
Acq: 28 Oct 2025 16:02

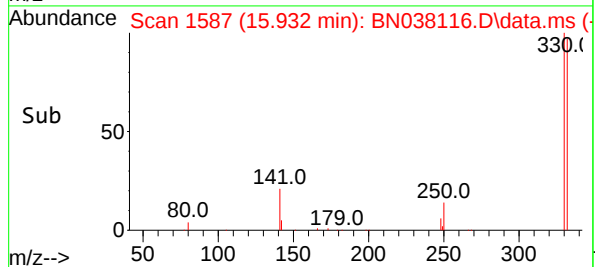
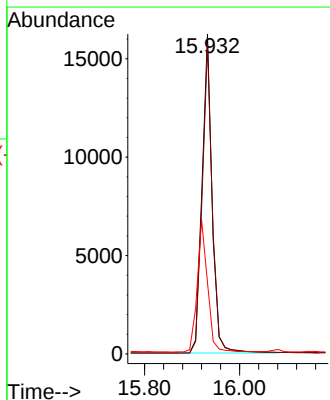
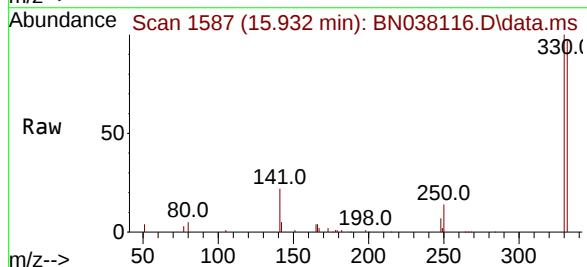
Instrument :
BNA_N
ClientSampleId :
SSTDICC3.2

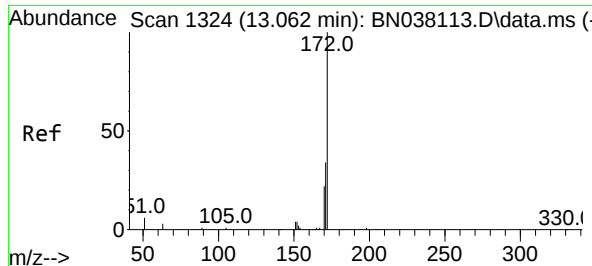
Tgt Ion:164 Resp: 16547
Ion Ratio Lower Upper
164 100
162 102.2 83.0 124.4
160 50.8 40.7 61.1



#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

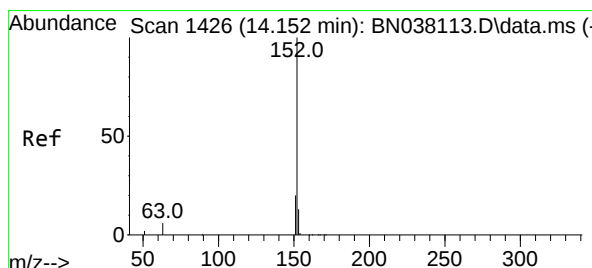
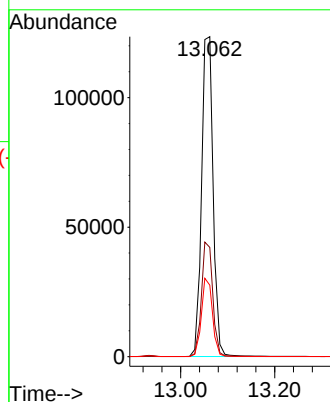
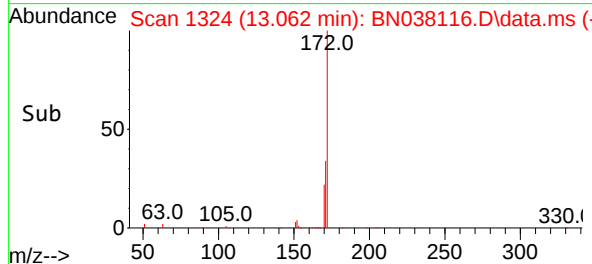
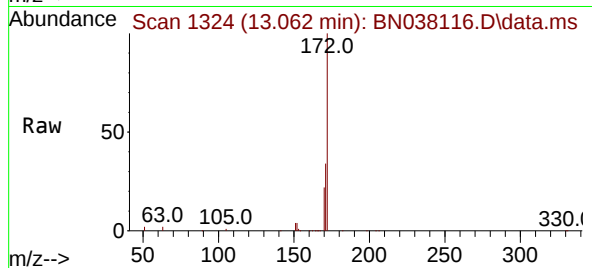




#15
2-Fluorobiphenyl
Concen: 3.024 ng
RT: 13.062 min Scan# 1324
Delta R.T. 0.011 min
Lab File: BN038116.D
Acq: 28 Oct 2025 16:02

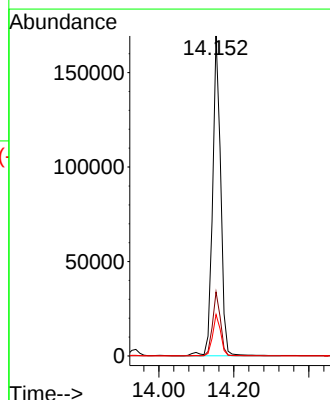
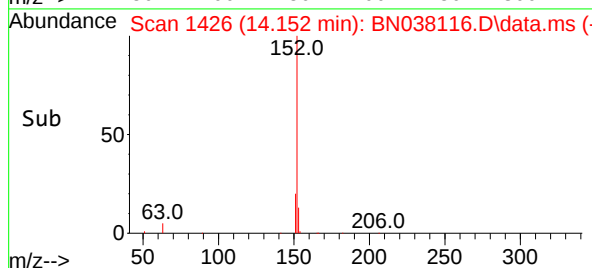
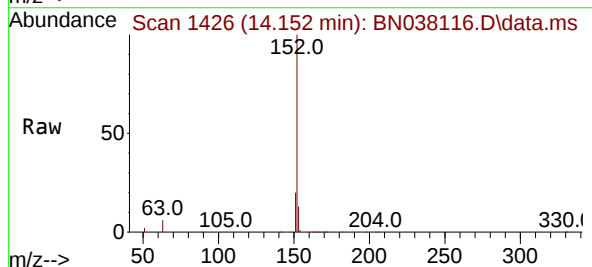
Instrument :
BNA_N
ClientSampleId :
SSTDICC3.2

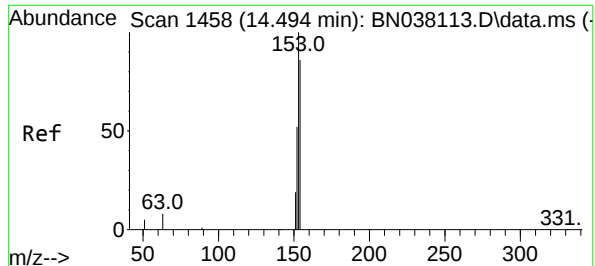
Tgt Ion:172 Resp: 200437
Ion Ratio Lower Upper
172 100
171 34.2 27.8 41.6
170 22.3 18.1 27.1



#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

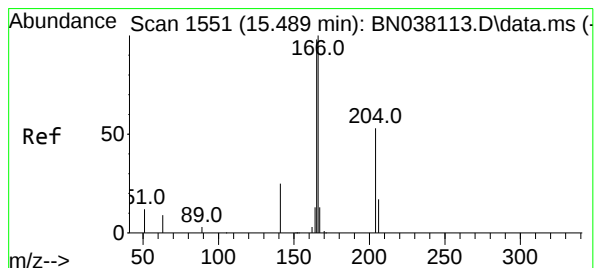
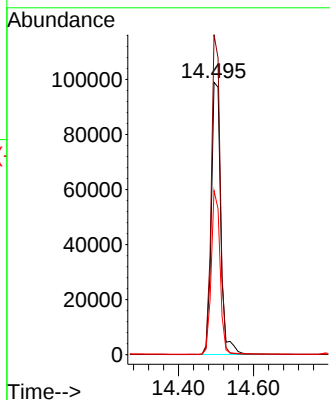
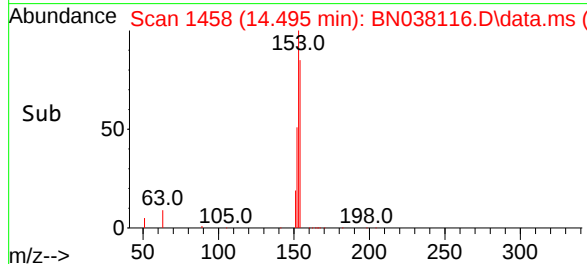
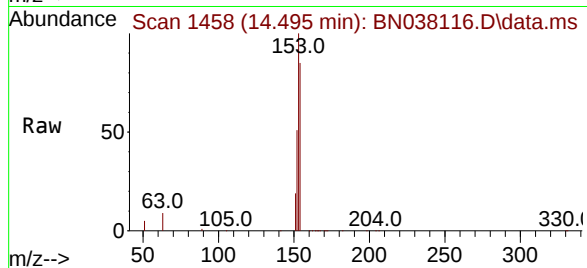




#17
Acenaphthene
Concen: 3.308 ng
RT: 14.495 min Scan# 1458
Delta R.T. 0.000 min
Lab File: BN038116.D
Acq: 28 Oct 2025 16:02

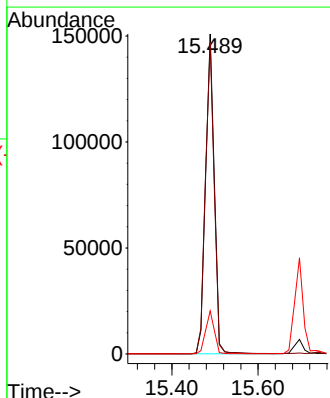
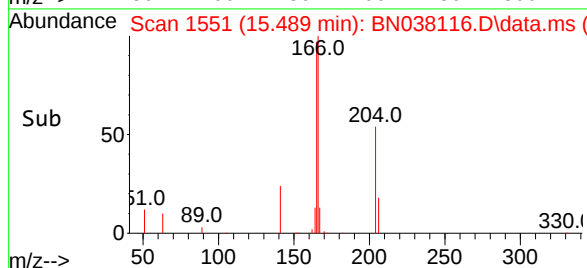
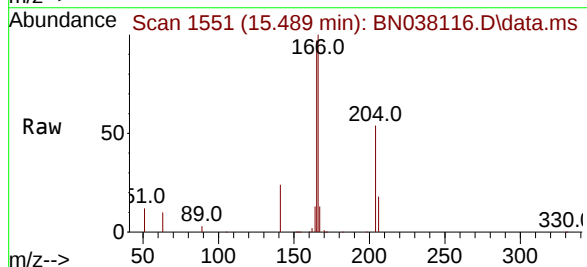
Instrument :
BNA_N
ClientSampleId :
SSTDICC3.2

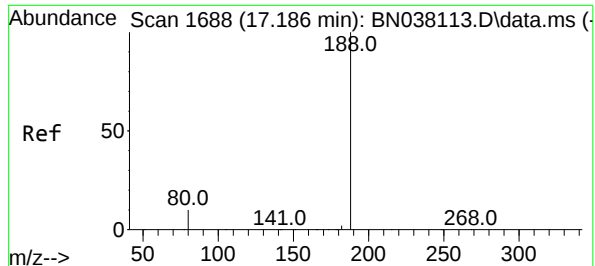
Tgt Ion:154 Resp: 173433
Ion Ratio Lower Upper
154 100
153 109.4 90.0 135.0
152 56.0 47.3 70.9



#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

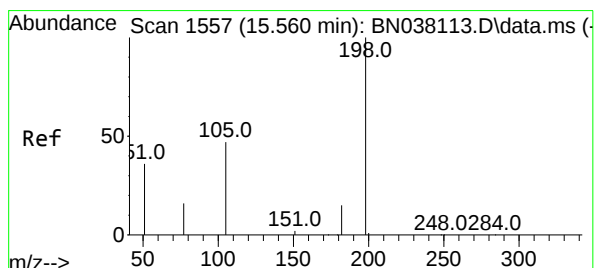
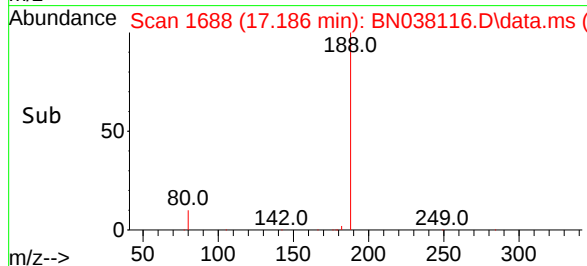
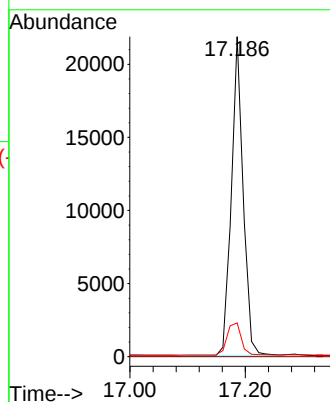
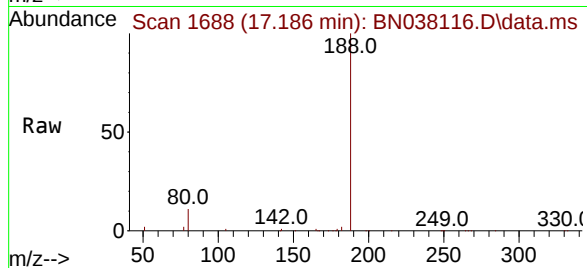
Tgt Ion:188 Resp: 31206

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

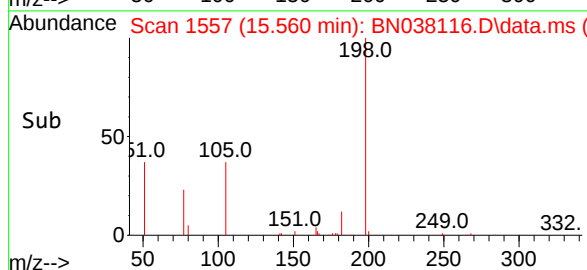
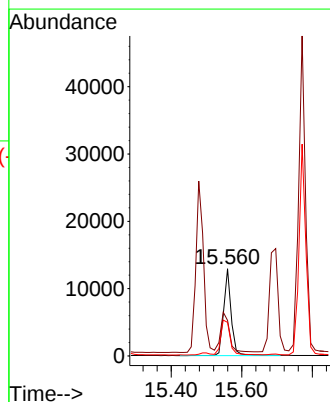
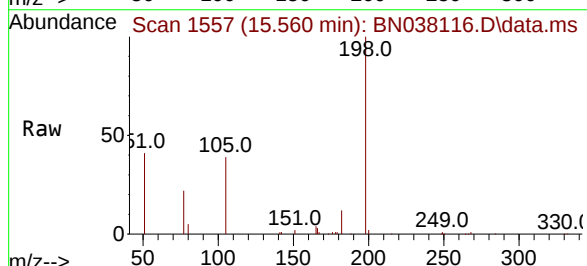
Tgt Ion:198 Resp: 18221

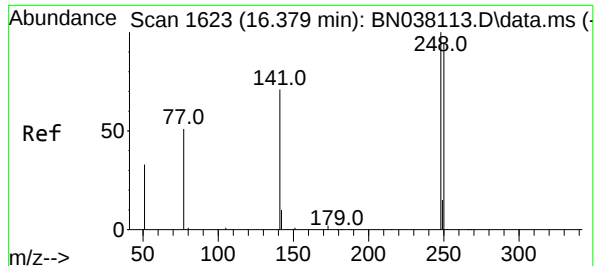
Ion Ratio Lower Upper

198 100

51 40.8 88.9 133.3#

105 38.5 49.2 73.8#

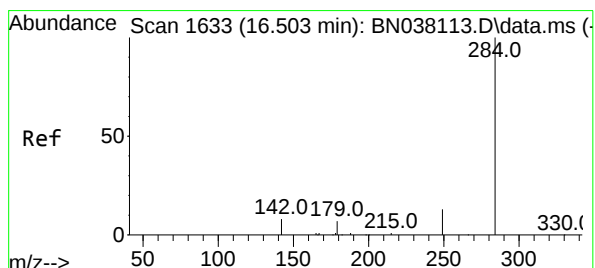
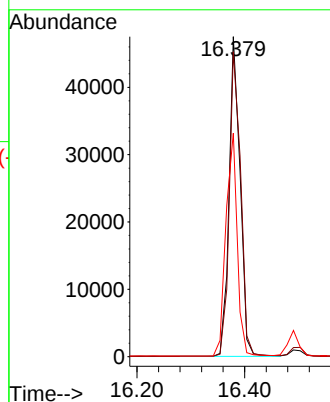
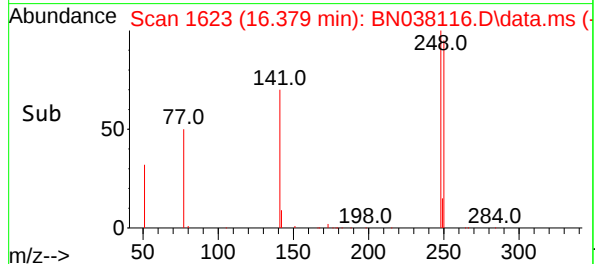
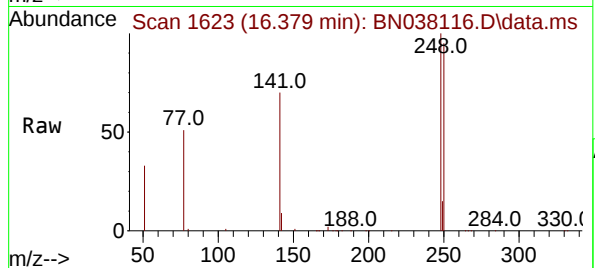




#21
4-Bromophenyl-phenylether
Concen: 3.305 ng
RT: 16.379 min Scan# 1623
Delta R.T. 0.000 min
Lab File: BN038116.D
Acq: 28 Oct 2025 16:02

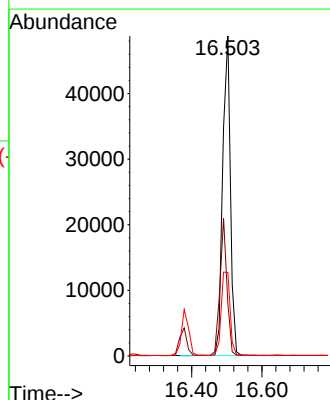
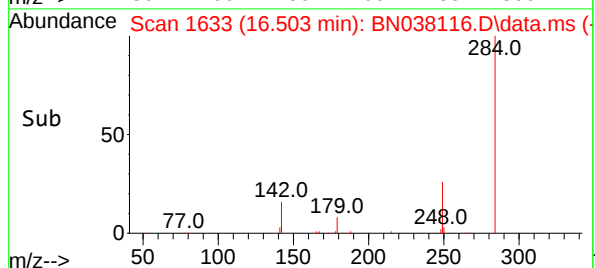
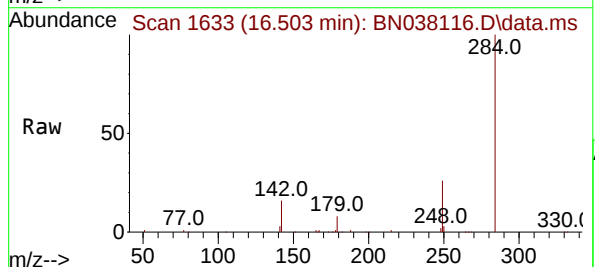
Instrument :
BNA_N
ClientSampleId :
SSTDICC3.2

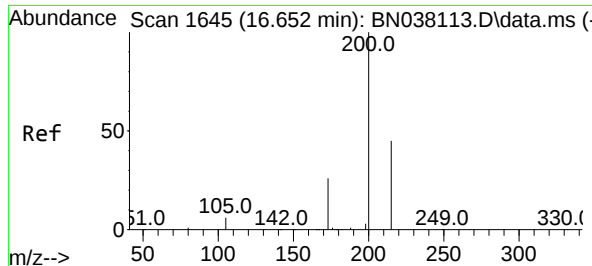
Tgt Ion:248 Resp: 67616
Ion Ratio Lower Upper
248 100
250 95.3 76.2 114.2
141 69.9 57.6 86.4



#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

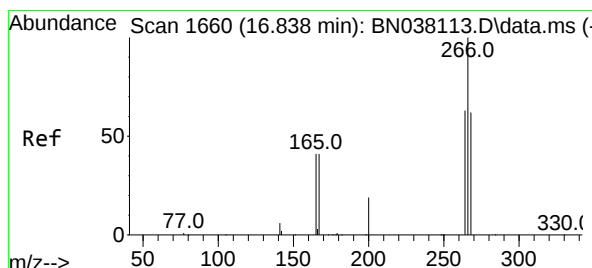
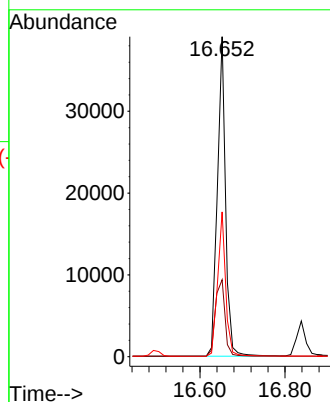
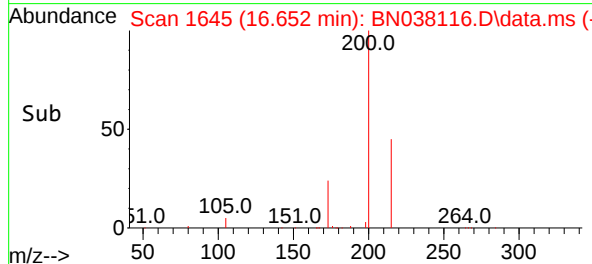
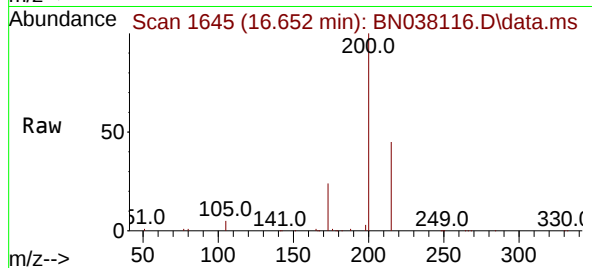




#23
Atrazine
Concen: 3.482 ng
RT: 16.652 min Scan# 1645
Delta R.T. 0.000 min
Lab File: BN038116.D
Acq: 28 Oct 2025 16:02

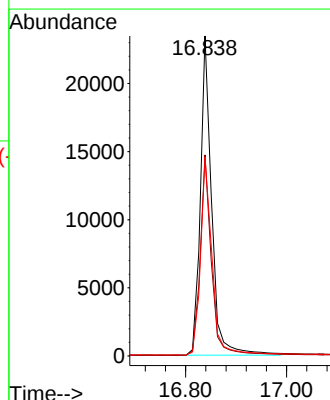
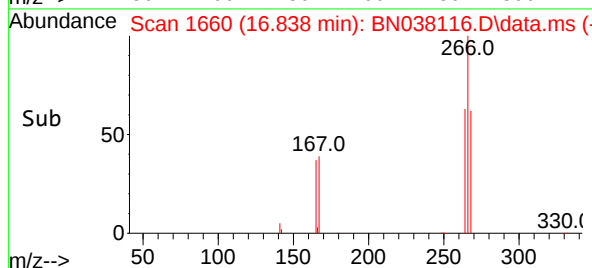
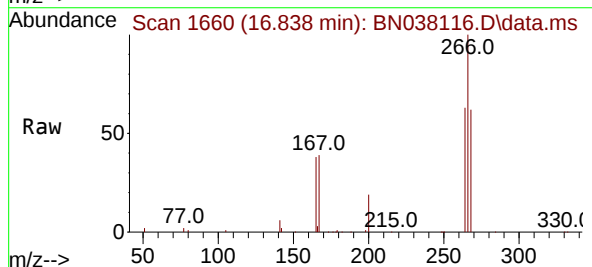
Instrument :
BNA_N
ClientSampleId :
SSTDICC3.2

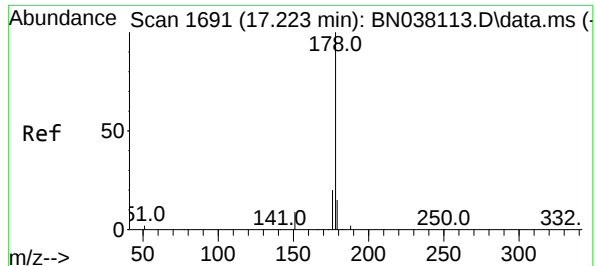
Tgt Ion:200 Resp: 52181
Ion Ratio Lower Upper
200 100
173 24.0 21.4 32.2
215 45.3 36.7 55.1



#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

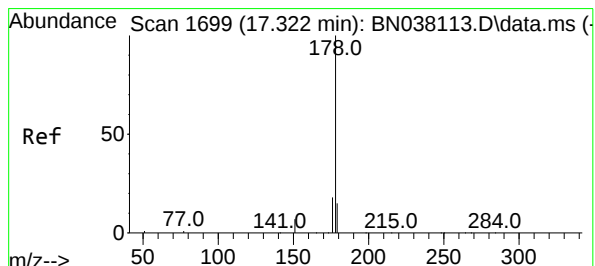
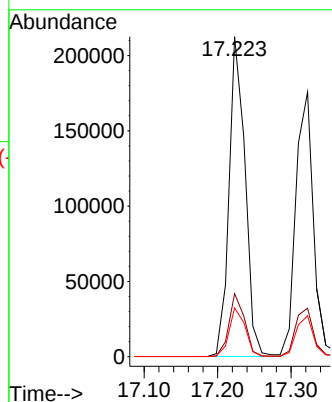
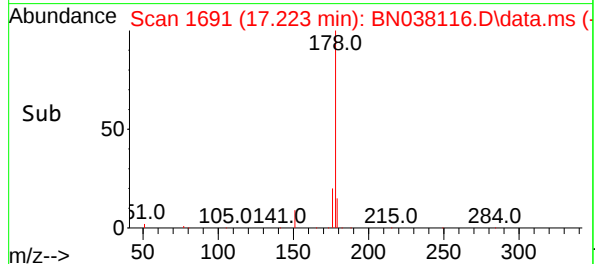
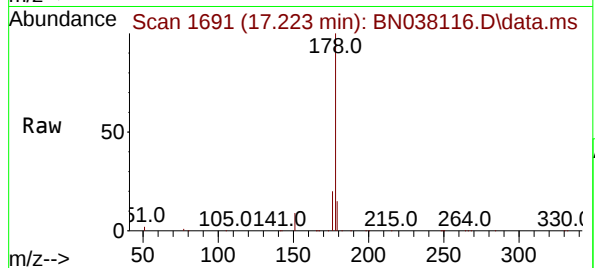




#25
Phenanthrene
Concen: 3.257 ng
RT: 17.223 min Scan# 1691
Delta R.T. 0.000 min
Lab File: BN038116.D
Acq: 28 Oct 2025 16:02

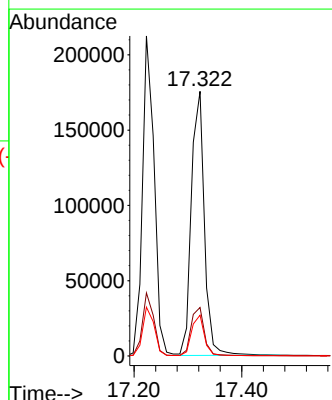
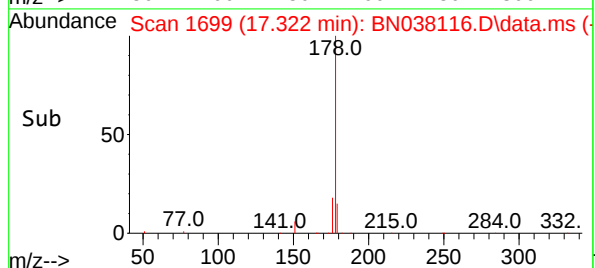
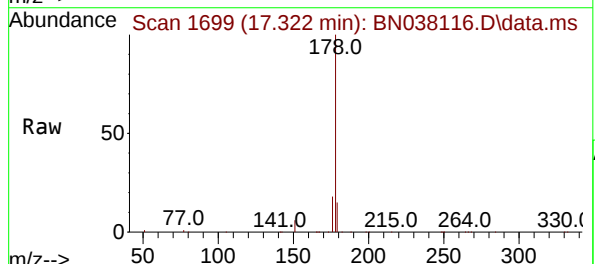
Instrument :
BNA_N
ClientSampleId :
SSTDICC3.2

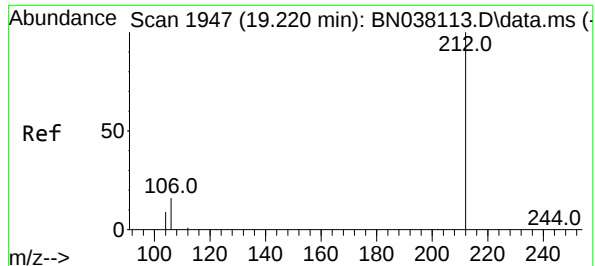
Tgt Ion:178 Resp: 322719
Ion Ratio Lower Upper
178 100
176 19.2 15.5 23.3
179 15.3 12.2 18.4



#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

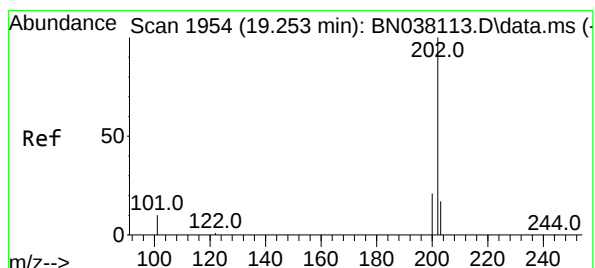
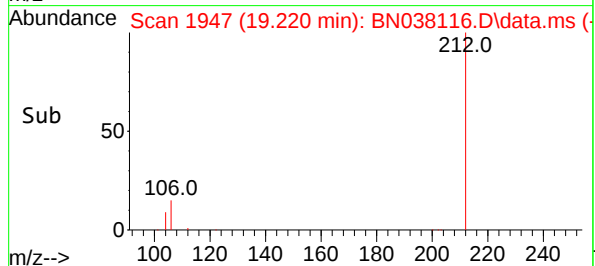
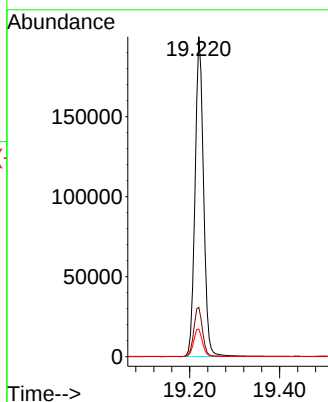
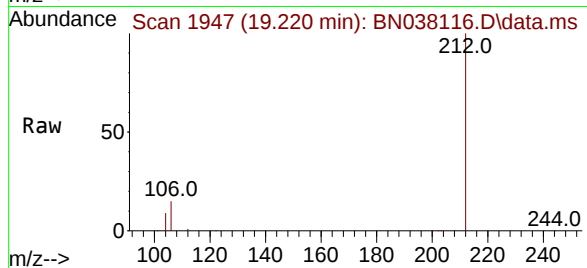
Tgt Ion:212 Resp: 263418

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

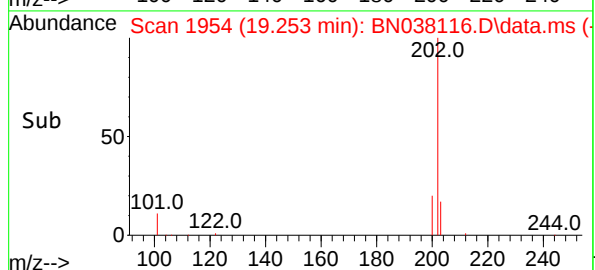
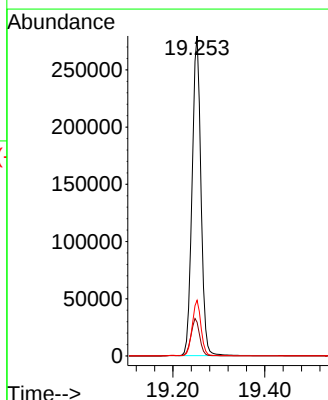
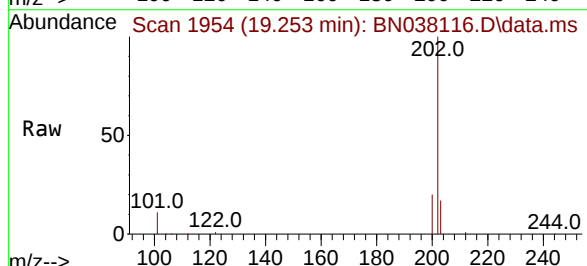
Tgt Ion:202 Resp: 372238

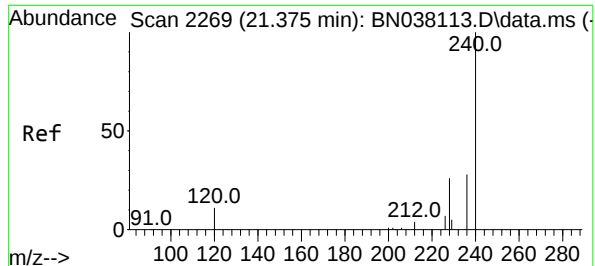
Ion Ratio Lower Upper

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

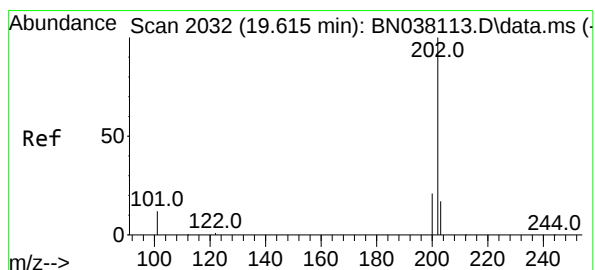
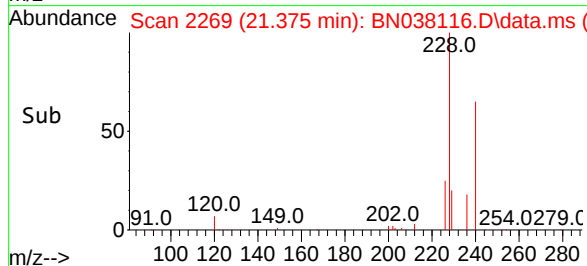
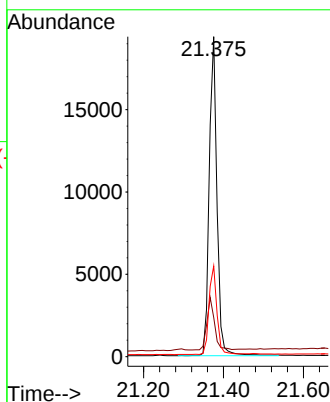
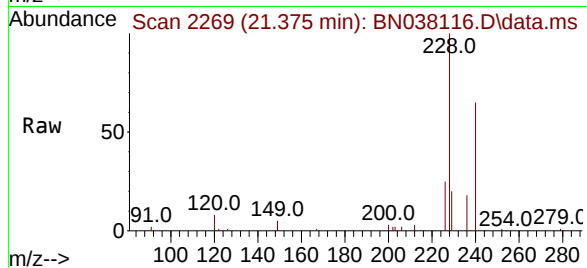
Tgt Ion:240 Resp: 26115

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

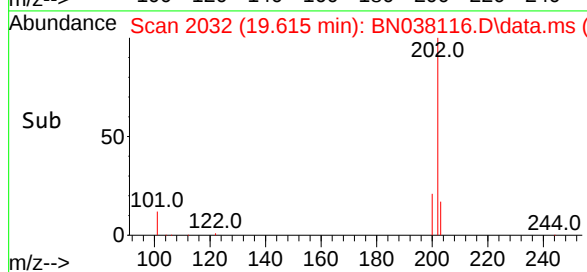
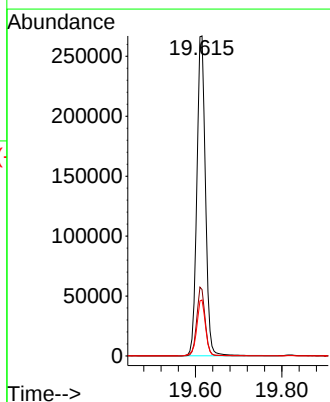
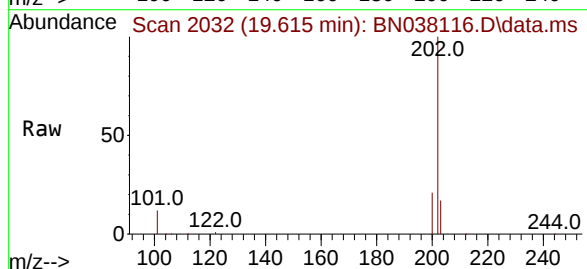
Tgt Ion:202 Resp: 368946

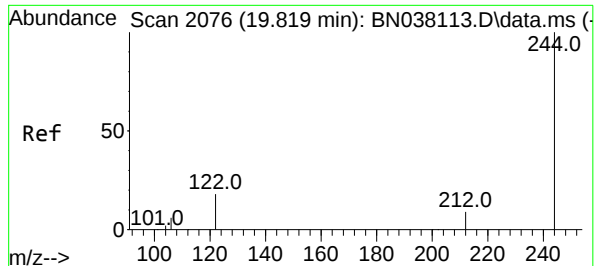
Ion Ratio Lower Upper

202 100

200 21.1 16.7 25.1

203 17.7 14.2 21.2

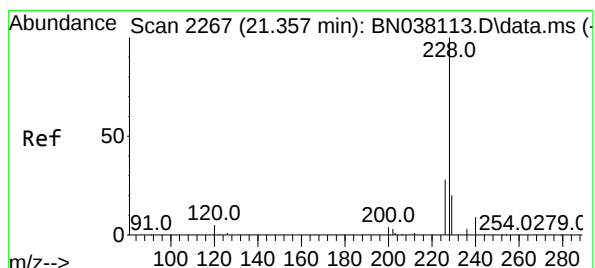
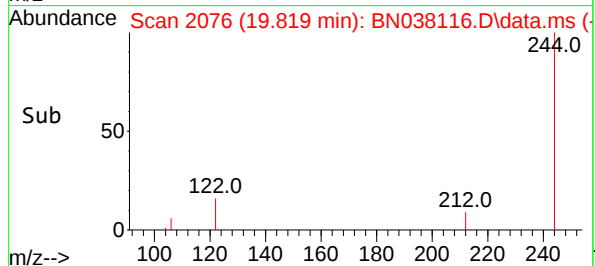
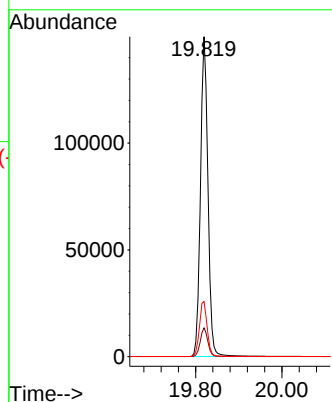
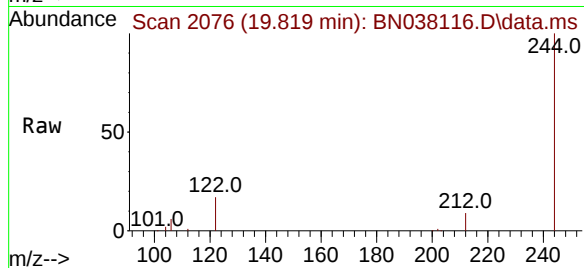




#31
Terphenyl-d14
Concen: 3.176 ng
RT: 19.819 min Scan# 2076
Delta R.T. 0.000 min
Lab File: BN038116.D
Acq: 28 Oct 2025 16:02

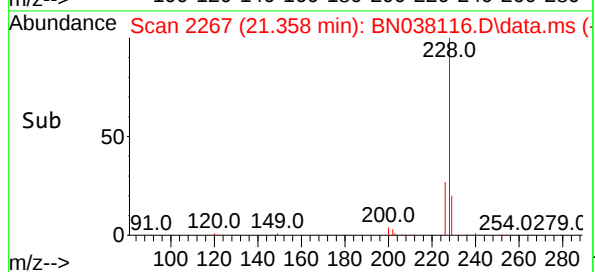
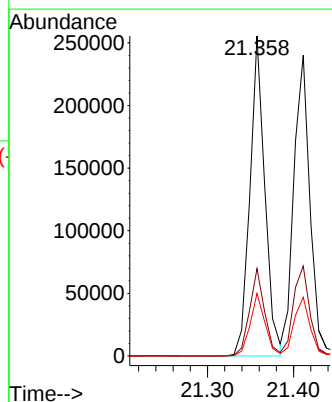
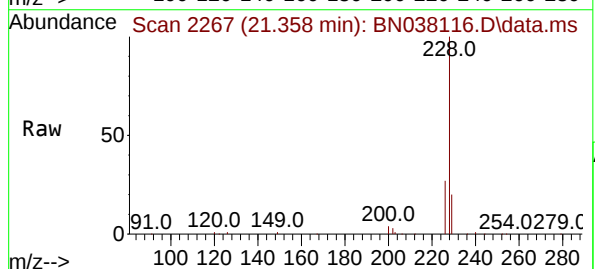
Instrument :
BNA_N
ClientSampleId :
SSTDICC3.2

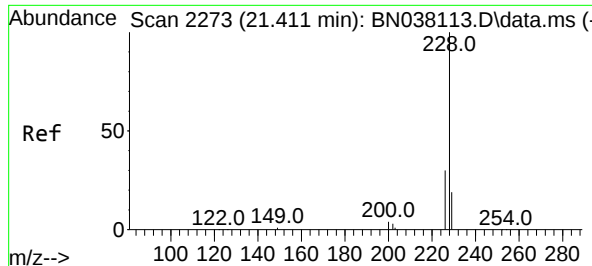
Tgt Ion:244 Resp: 180175
Ion Ratio Lower Upper
244 100
212 9.0 7.8 11.6
122 17.3 15.2 22.8



#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

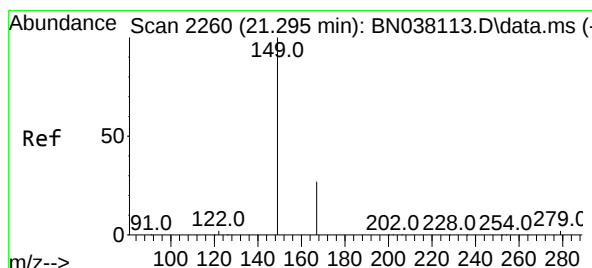
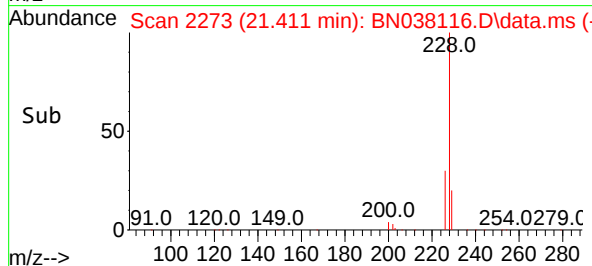
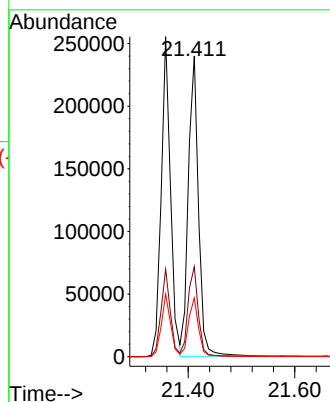
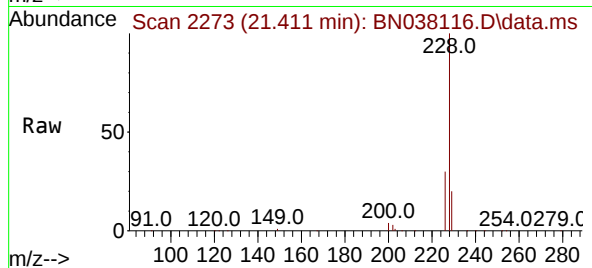
Tgt Ion:228 Resp: 317065

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

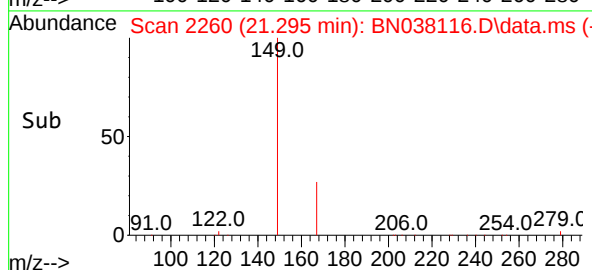
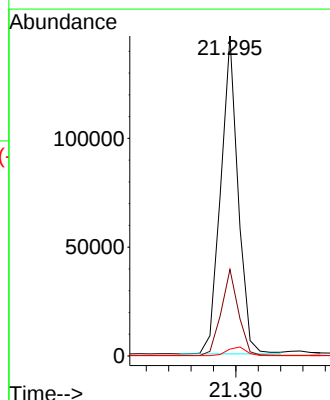
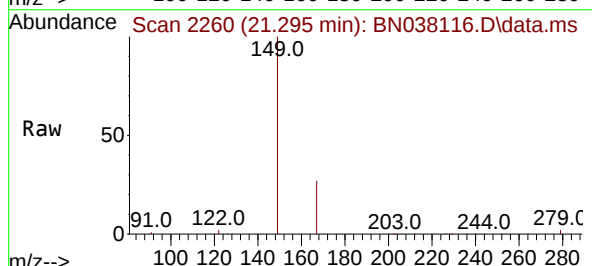
Tgt Ion:149 Resp: 157480

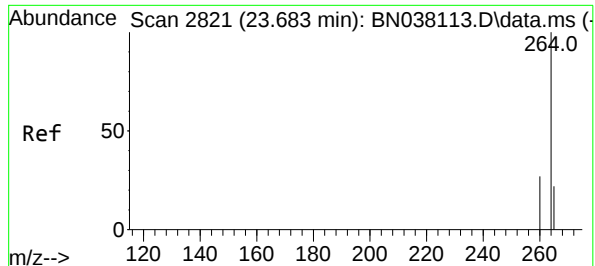
Ion Ratio Lower Upper

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

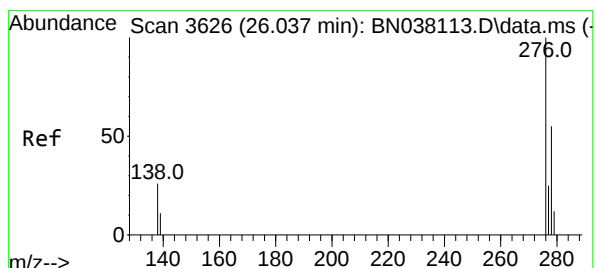
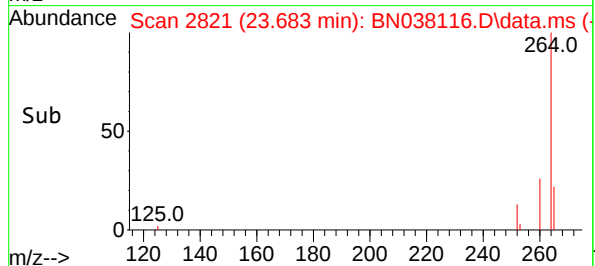
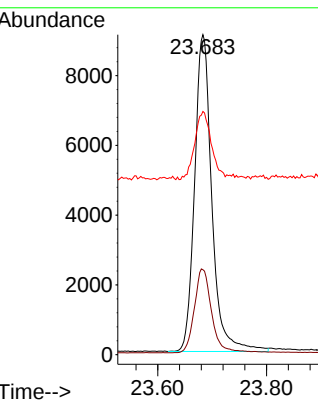
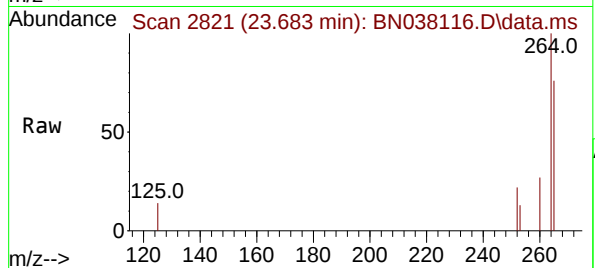
Tgt Ion:264 Resp: 19904

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

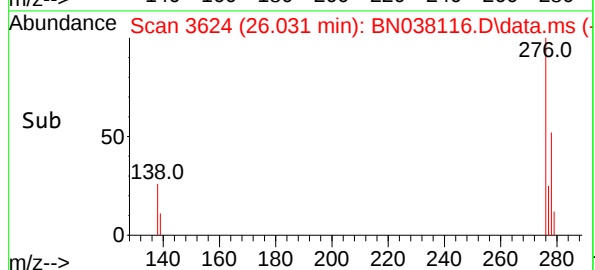
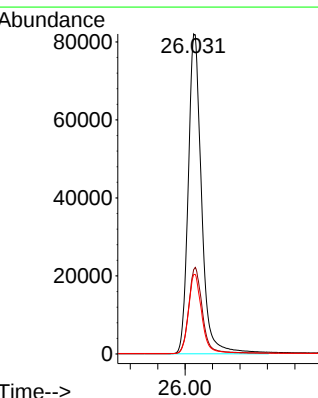
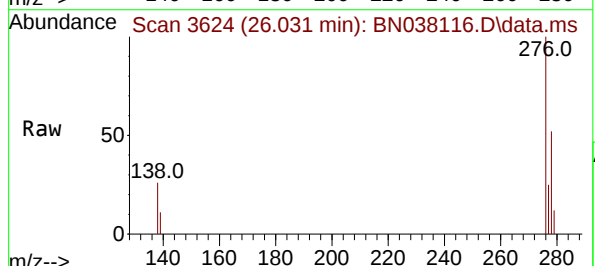
Tgt Ion:276 Resp: 276870

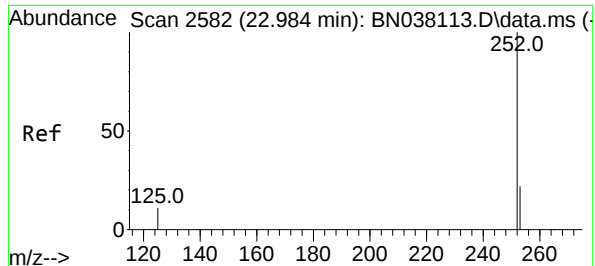
Ion Ratio Lower Upper

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

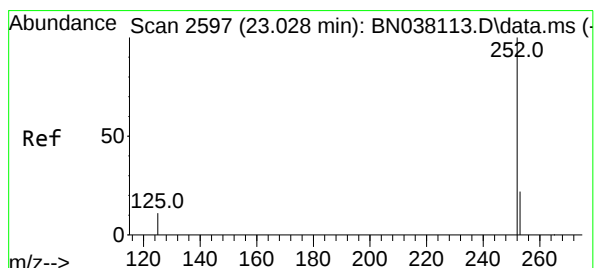
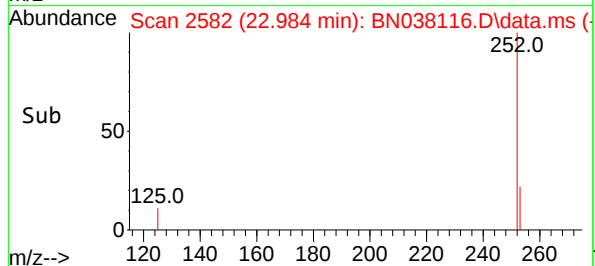
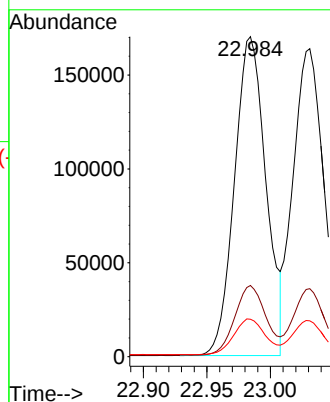
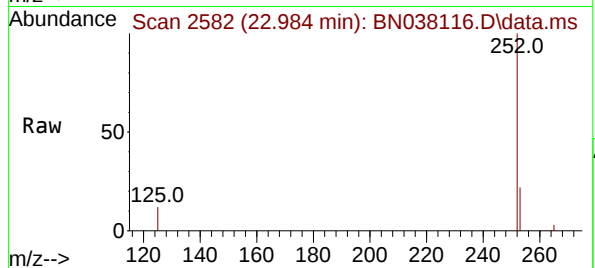
Tgt Ion:252 Resp: 292856

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

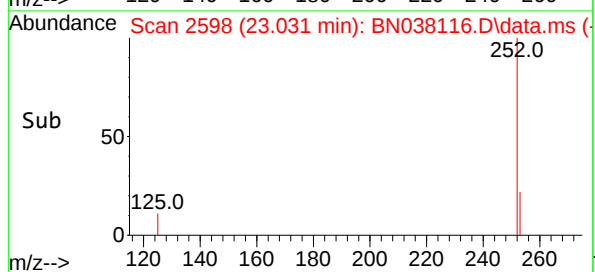
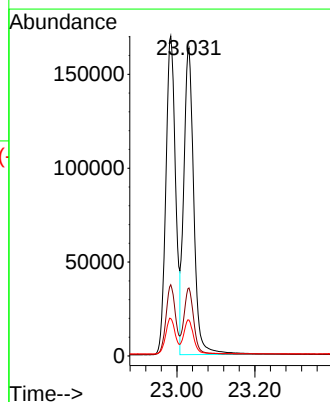
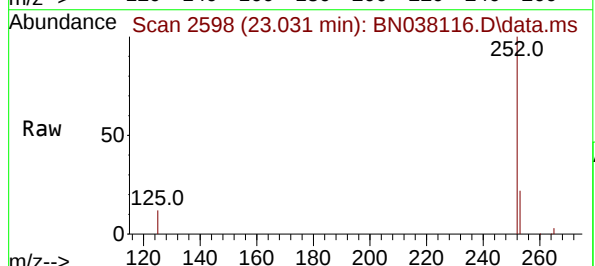
Tgt Ion:252 Resp: 292143

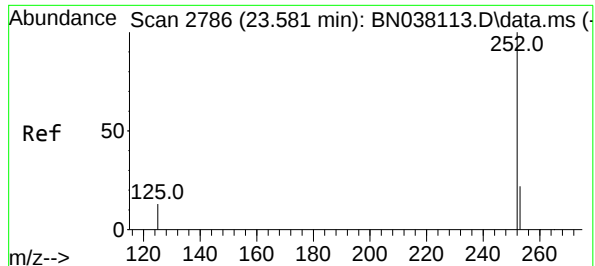
Ion Ratio Lower Upper

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

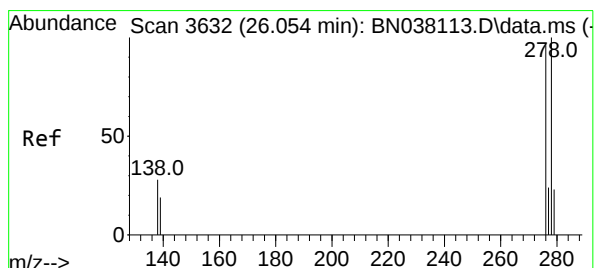
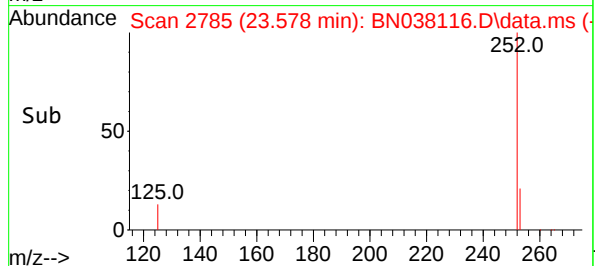
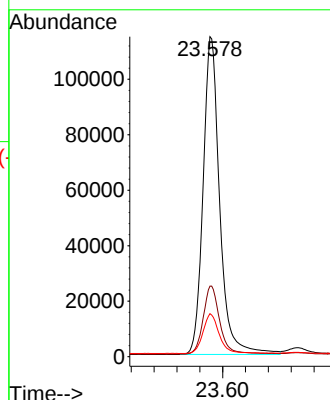
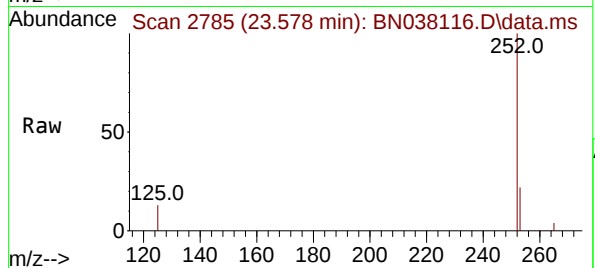
Tgt Ion:252 Resp: 231067

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

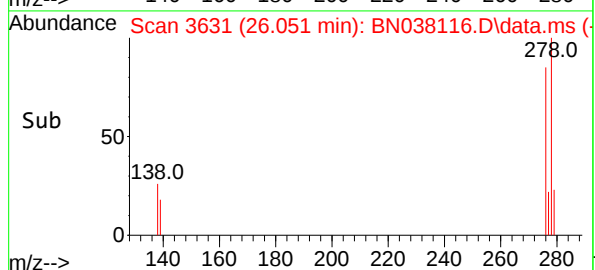
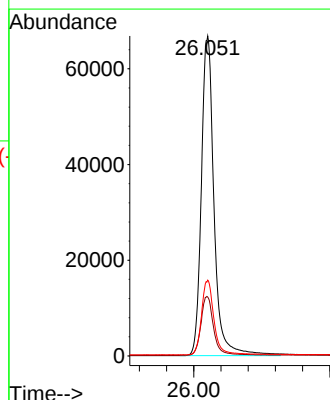
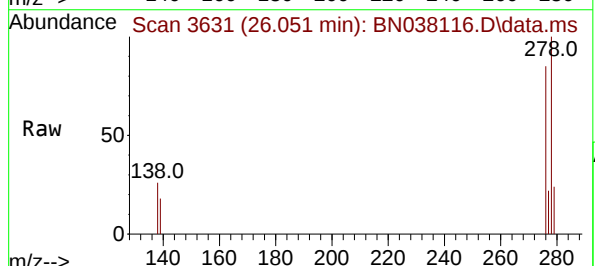
Tgt Ion:278 Resp: 217022

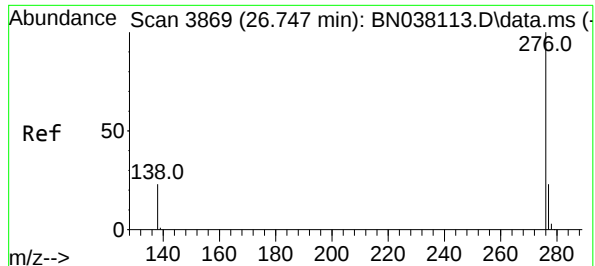
Ion Ratio Lower Upper

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

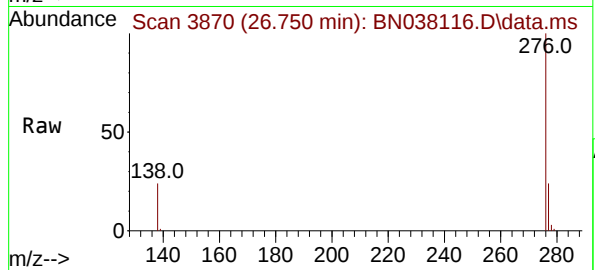
Acq: 28 Oct 2025 16:02

Instrument :

BNA_N

ClientSampleId :

SSTDICC3.2



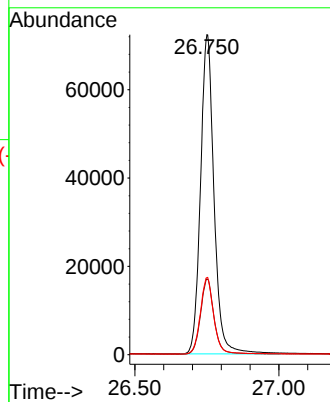
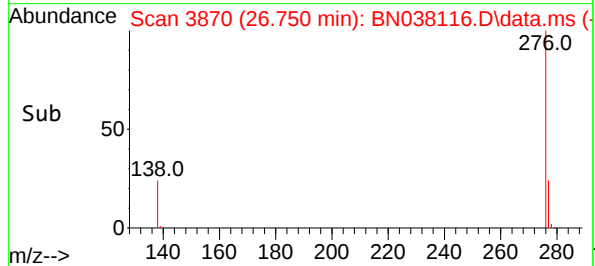
Tgt Ion:276 Resp: 235264

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)

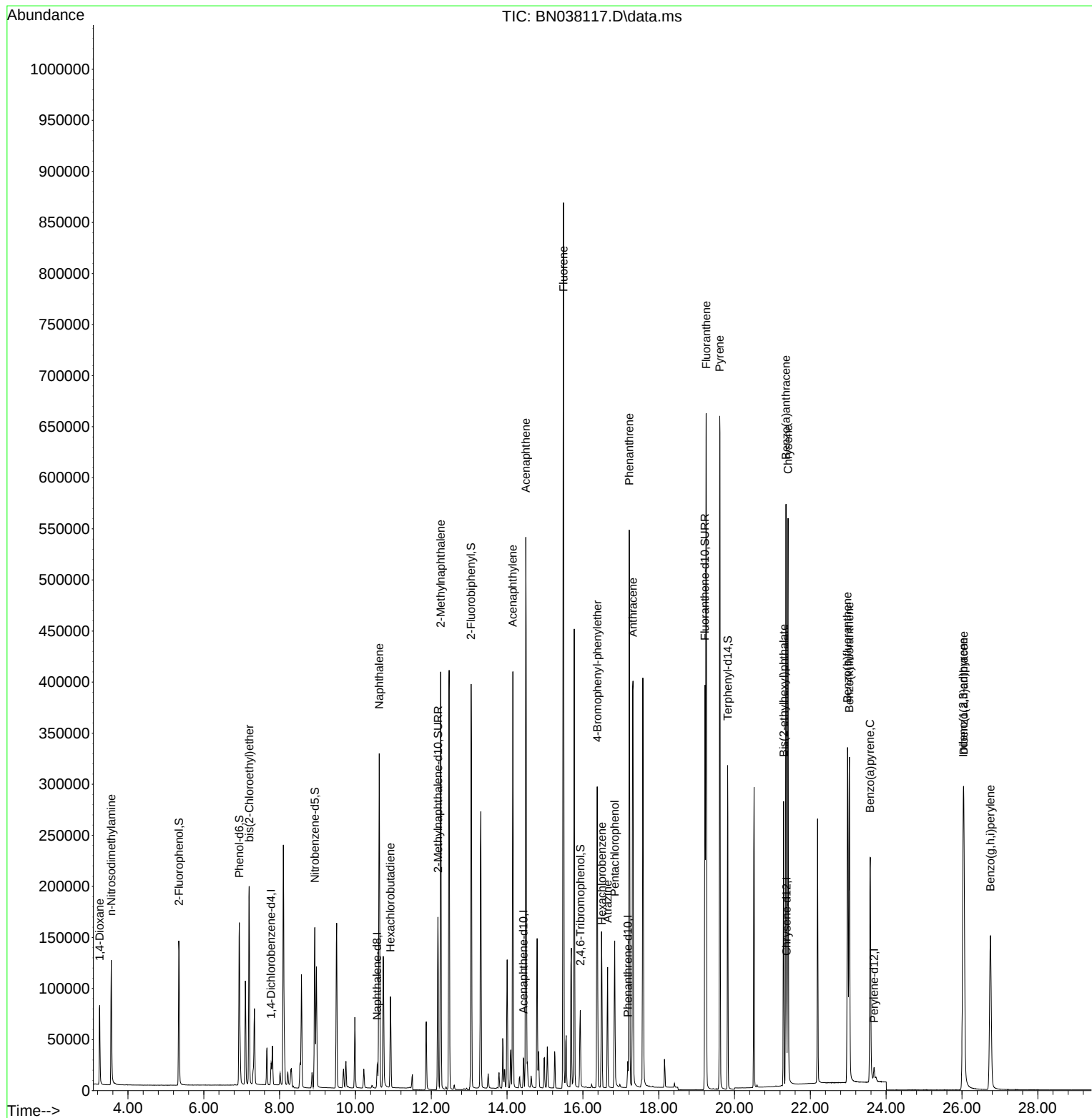
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.775	152	10579	0.400	ng	0.00
7) Naphthalene-d8	10.573	136	31197	0.400	ng	# 0.00
13) Acenaphthene-d10	14.430	164	17960	0.400	ng	0.00
19) Phenanthrene-d10	17.186	188	33242	0.400	ng	0.00
29) Chrysene-d12	21.375	240	25416	0.400	ng	0.00
35) Perylene-d12	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

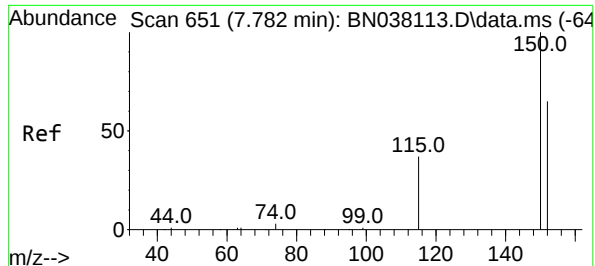
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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

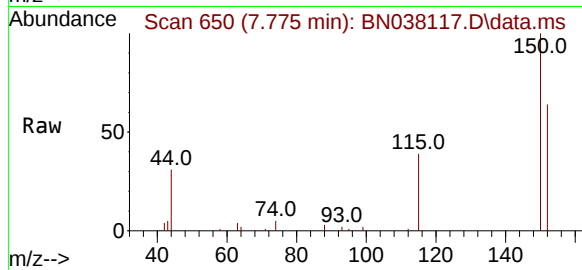
Quant Time: Oct 28 17:31:59 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN102825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Oct 28 17:15:13 2025
Response via : Initial Calibration



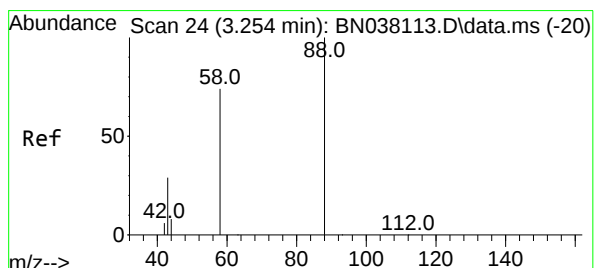
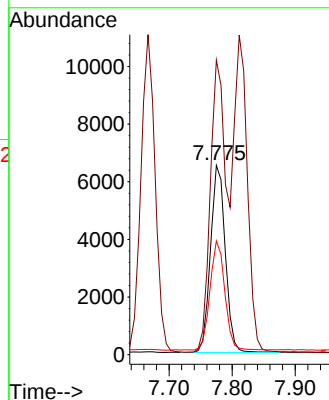
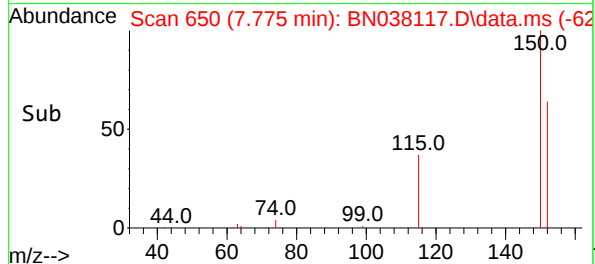


#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.775 min Scan# 61
Delta R.T. -0.000 min
Lab File: BN038117.D
Acq: 28 Oct 2025 16:38

Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

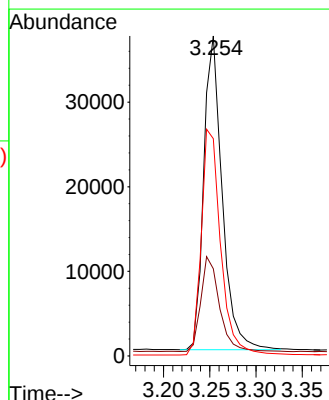
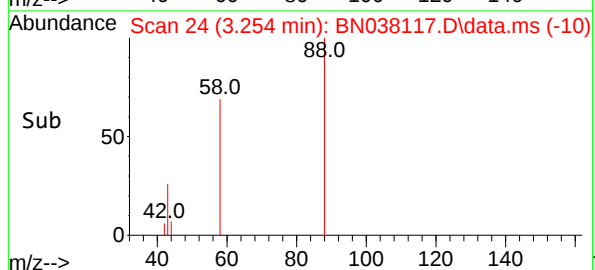
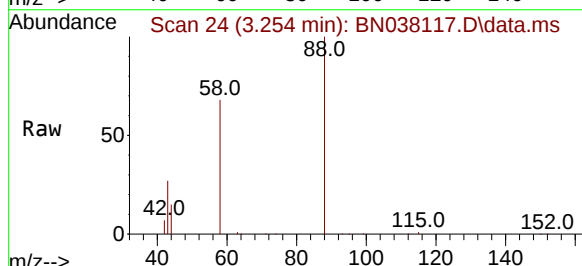


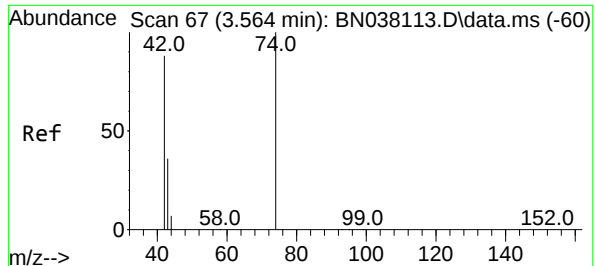
Tgt Ion:152 Resp: 10579
Ion Ratio Lower Upper
152 100
150 155.6 122.3 183.5
115 60.1 47.4 71.0



#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

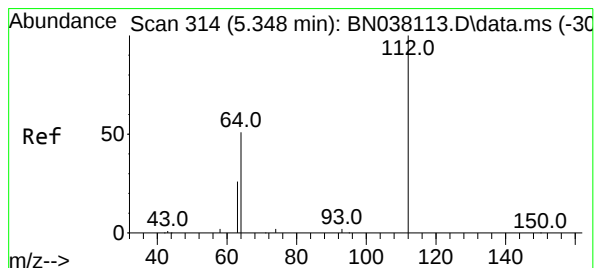
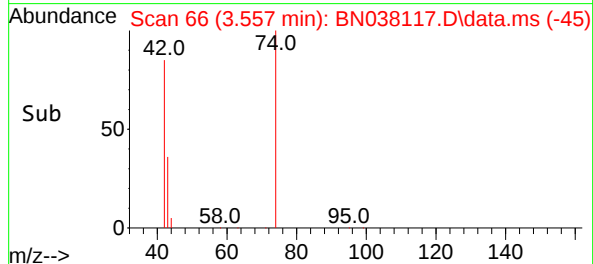
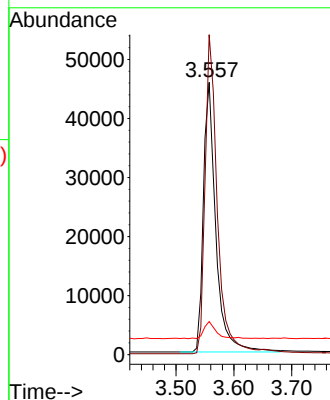
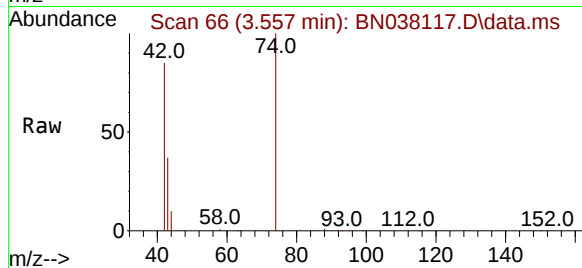




#3
n-Nitrosodimethylamine
Concen: 4.871 ng
RT: 3.557 min Scan# 60
Delta R.T. 0.000 min
Lab File: BN038117.D
Acq: 28 Oct 2025 16:38

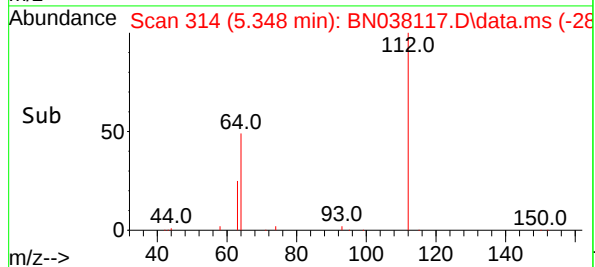
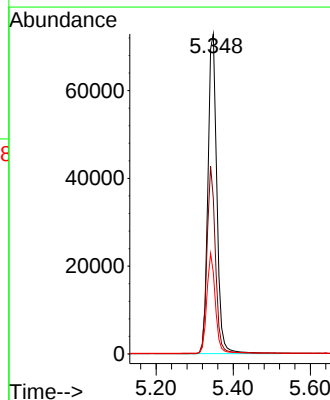
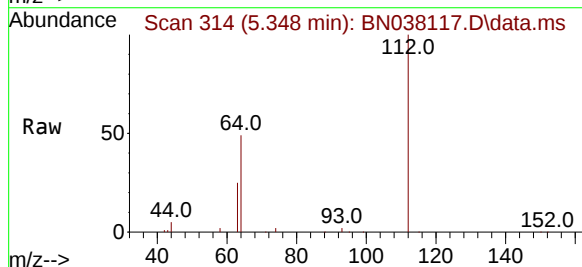
Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

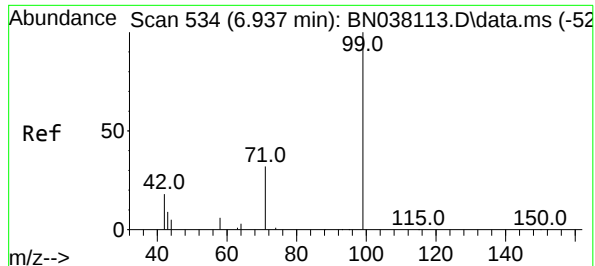
Tgt Ion: 42 Resp: 68522
Ion Ratio Lower Upper
42 100
74 116.1 96.8 145.2
44 6.5 5.3 7.9



#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

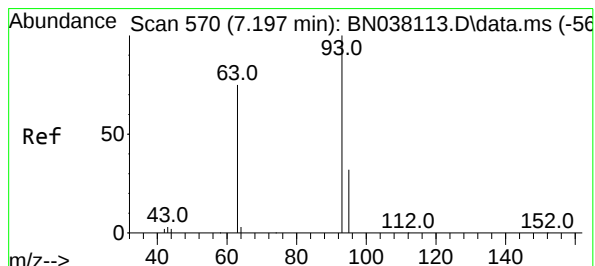
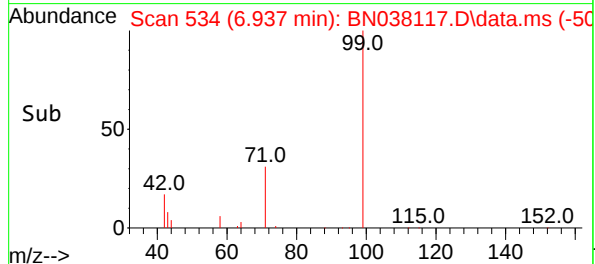
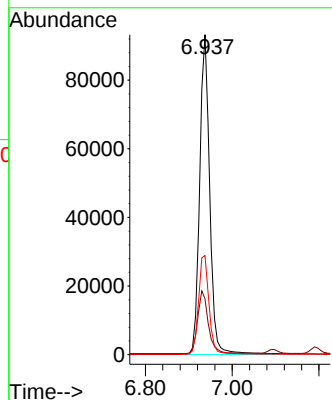
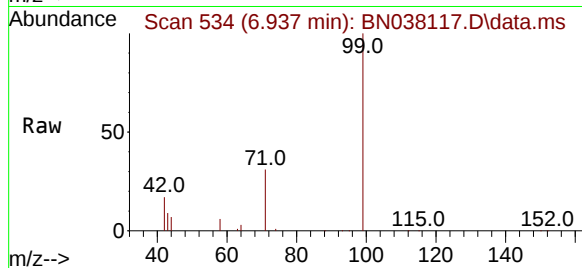




#5
Phenol-d6
Concen: 4.953 ng
RT: 6.937 min Scan# 51
Delta R.T. 0.000 min
Lab File: BN038117.D
Acq: 28 Oct 2025 16:38

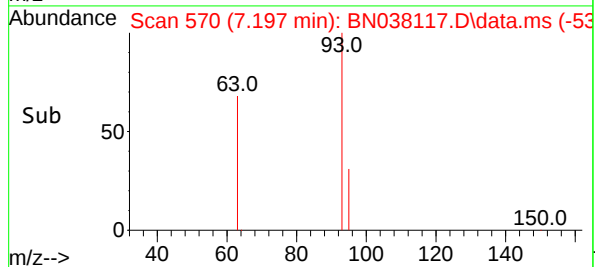
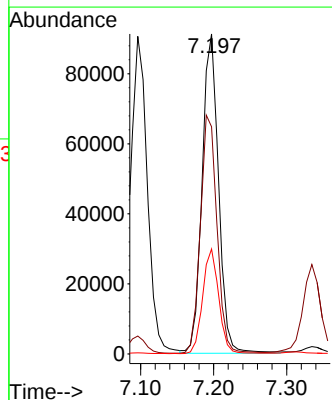
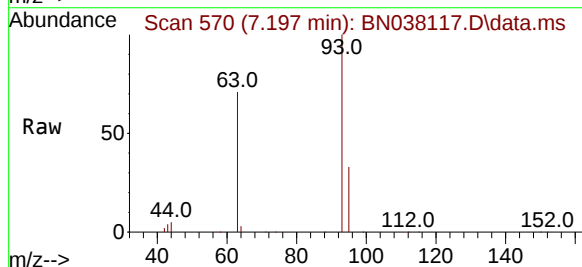
Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

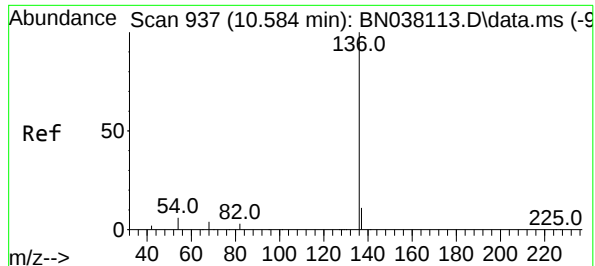
Tgt Ion: 99 Resp: 150343
Ion Ratio Lower Upper
99 100
42 20.9 16.6 24.8
71 32.5 25.4 38.2



#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

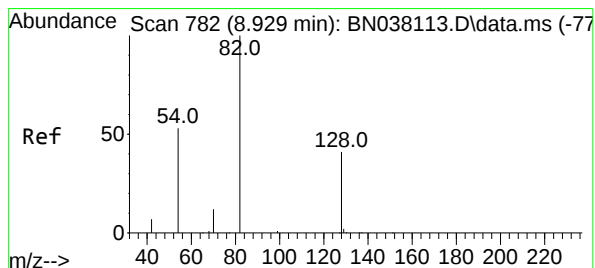
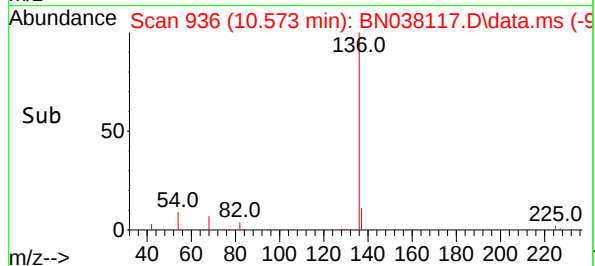
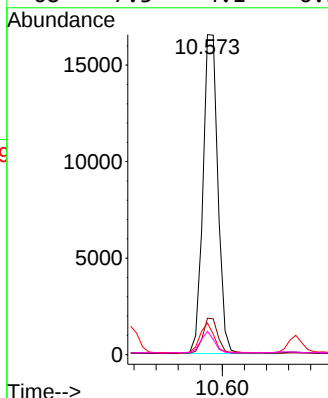
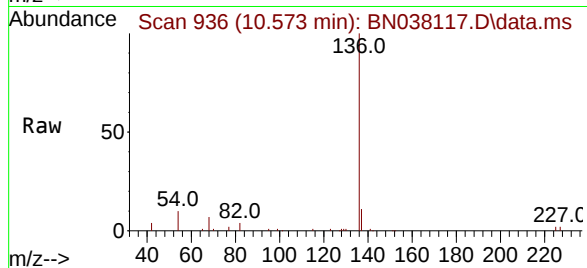




#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.573 min Scan# 91
Delta R.T. 0.000 min
Lab File: BN038117.D
Acq: 28 Oct 2025 16:38

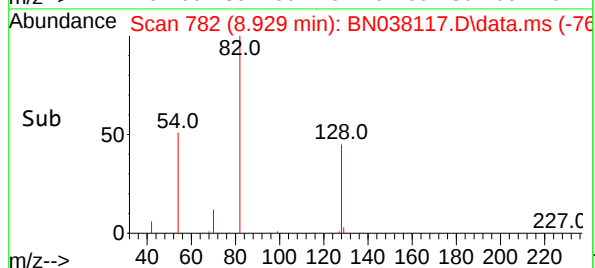
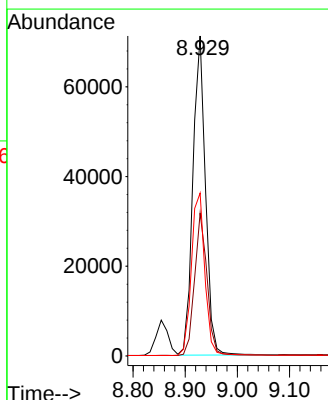
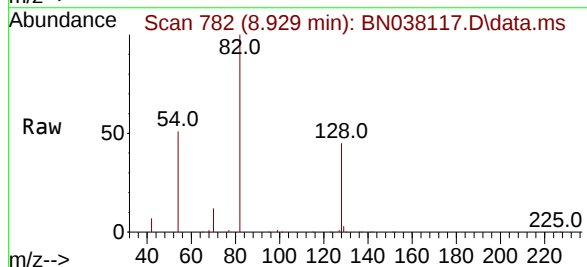
Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

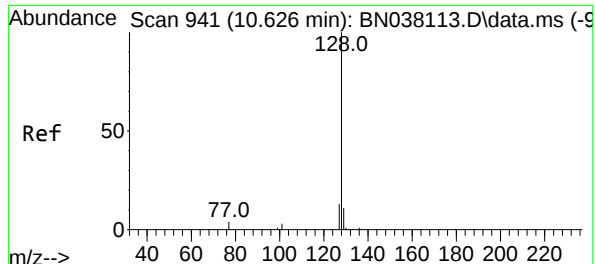
Tgt Ion:	136	Resp:	31197
Ion	Ratio	Lower	Upper
136	100		
137	11.4	9.0	13.4
54	9.9	5.2	7.8#
68	7.3	4.1	6.1#



#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

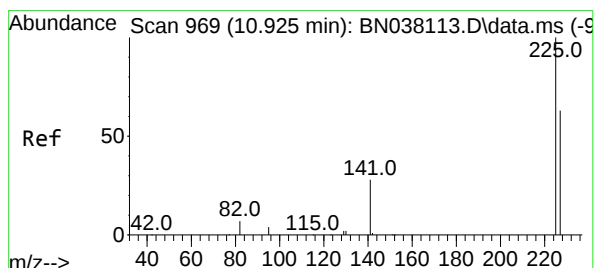
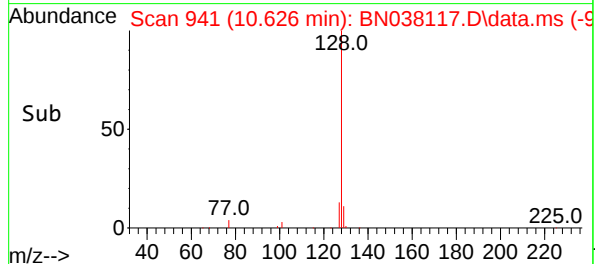
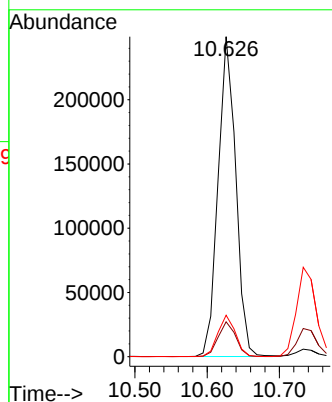
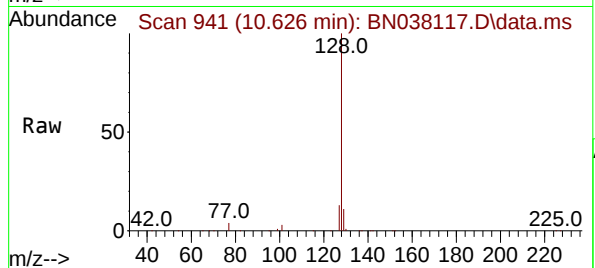




#9
Naphthalene
Concen: 4.920 ng
RT: 10.626 min Scan# 941
Delta R.T. 0.000 min
Lab File: BN038117.D
Acq: 28 Oct 2025 16:38

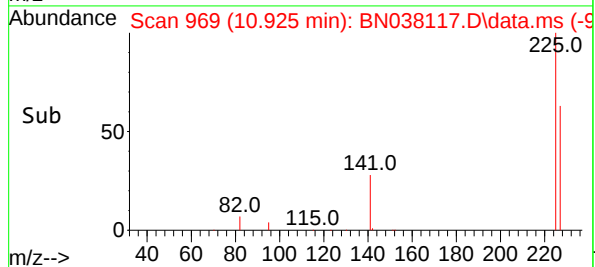
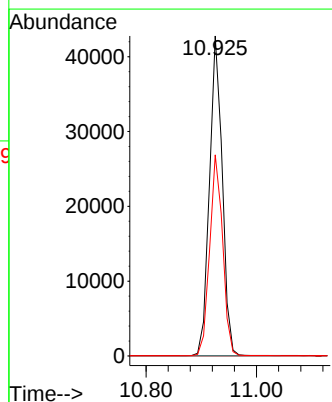
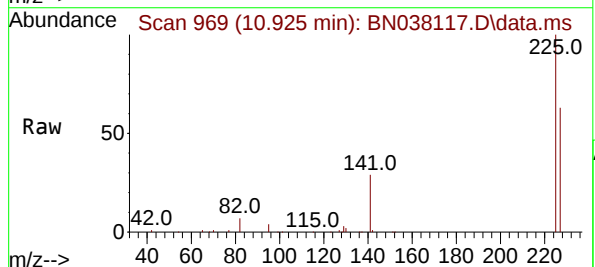
Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

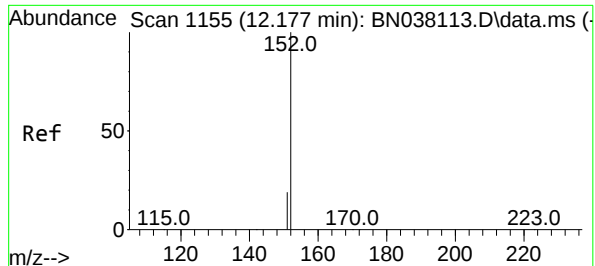
Tgt Ion:128 Resp: 422794
Ion Ratio Lower Upper
128 100
129 10.9 9.1 13.7
127 13.0 10.5 15.7



#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

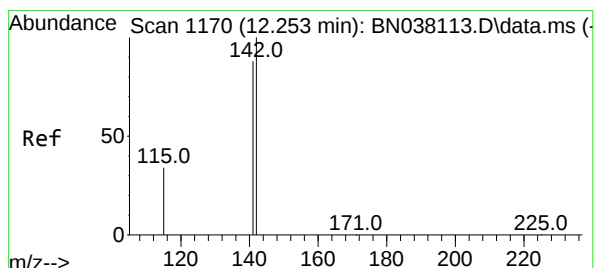
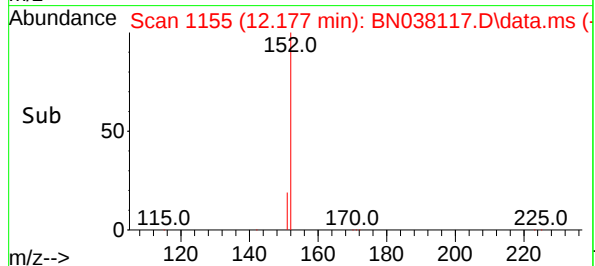
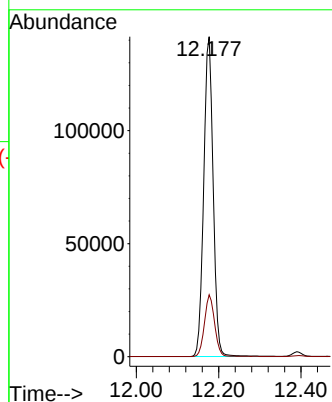
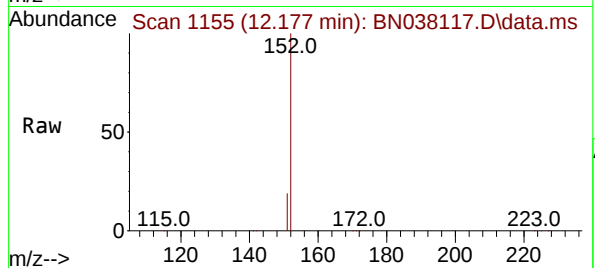




#11
2-Methylnaphthalene-d10
Concen: 5.068 ng
RT: 12.177 min Scan# 1155
Delta R.T. 0.000 min
Lab File: BN038117.D
Acq: 28 Oct 2025 16:38

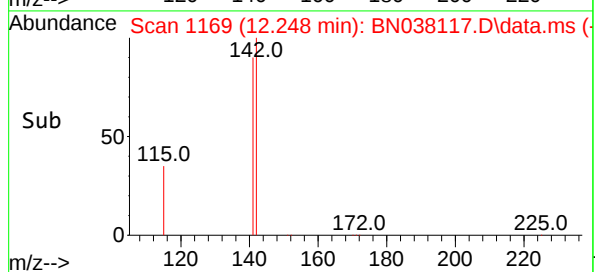
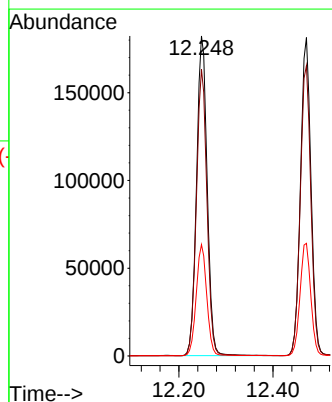
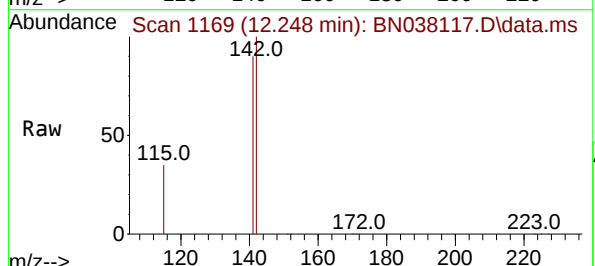
Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

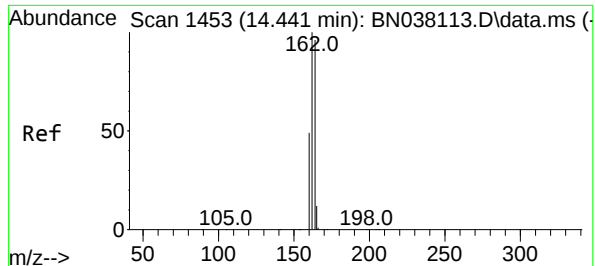
Tgt Ion:152 Resp: 225769
Ion Ratio Lower Upper
152 100
151 20.8 16.8 25.2



#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

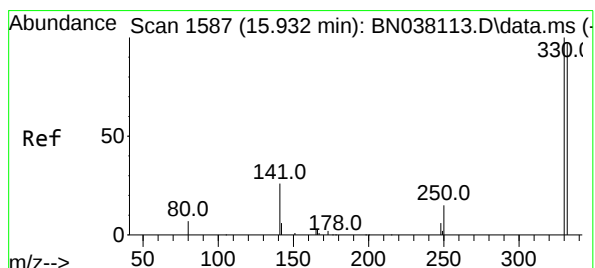
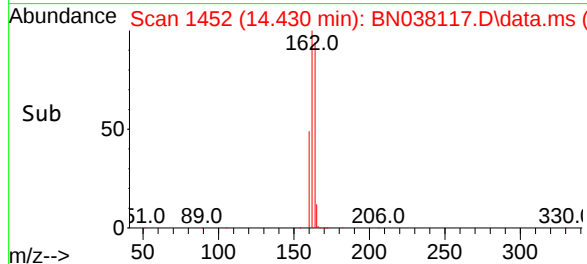
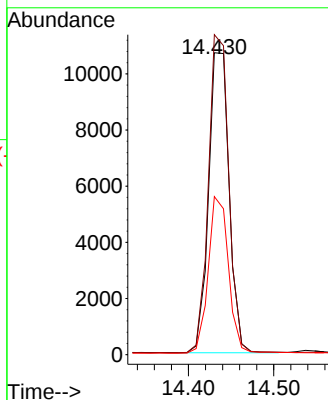
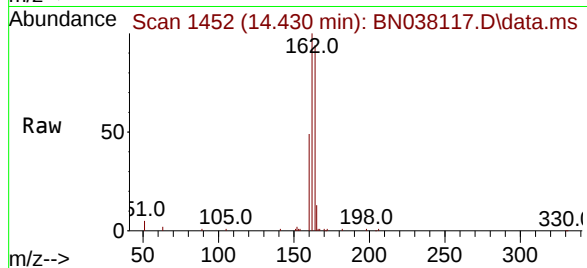




#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.430 min Scan# 1453
Delta R.T. 0.000 min
Lab File: BN038117.D
Acq: 28 Oct 2025 16:38

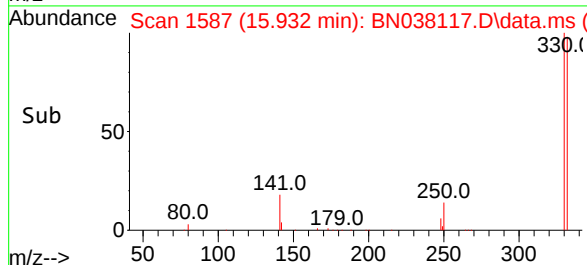
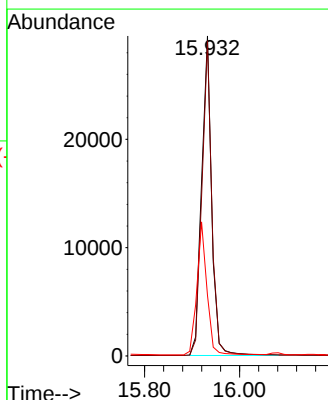
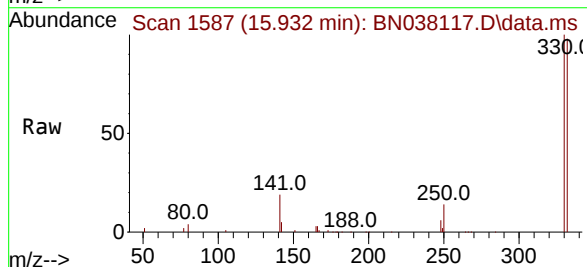
Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

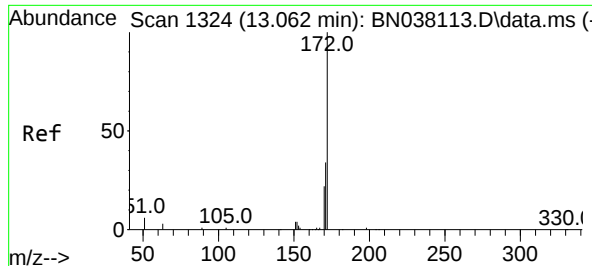
Tgt Ion:164 Resp: 17960
Ion Ratio Lower Upper
164 100
162 106.0 83.0 124.4
160 52.4 40.7 61.1



#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

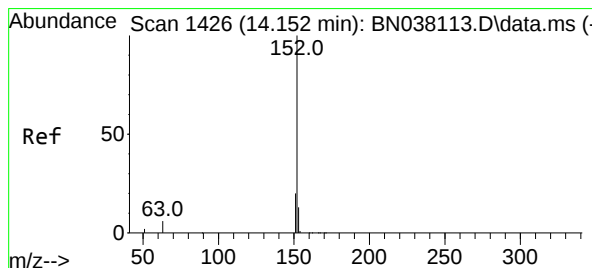
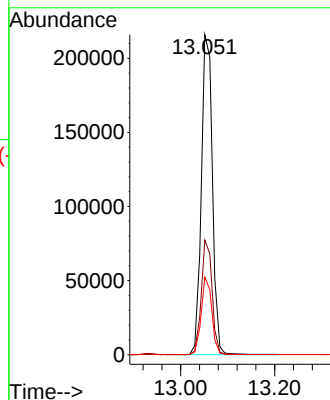
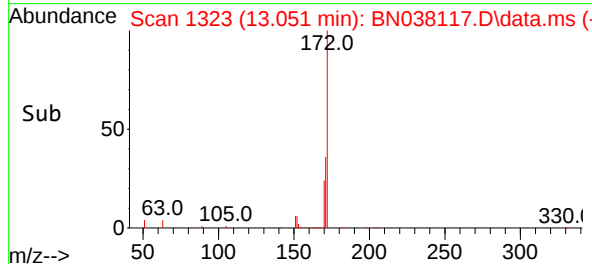
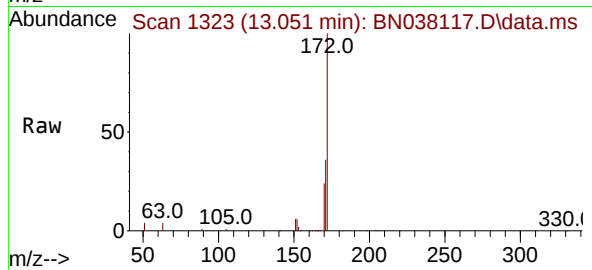




#15
2-Fluorobiphenyl
Concen: 4.667 ng
RT: 13.051 min Scan# 1323
Delta R.T. 0.000 min
Lab File: BN038117.D
Acq: 28 Oct 2025 16:38

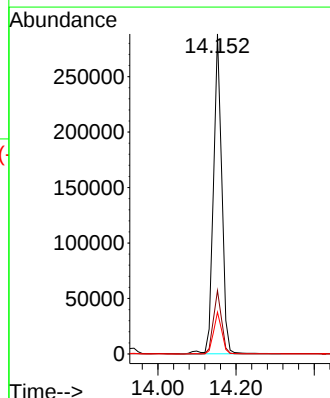
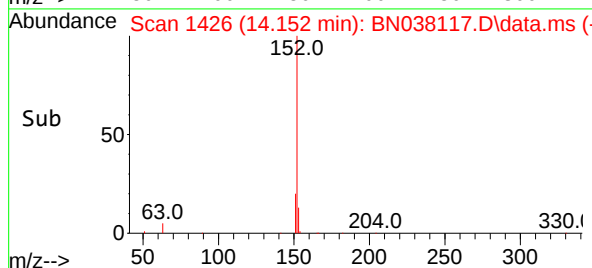
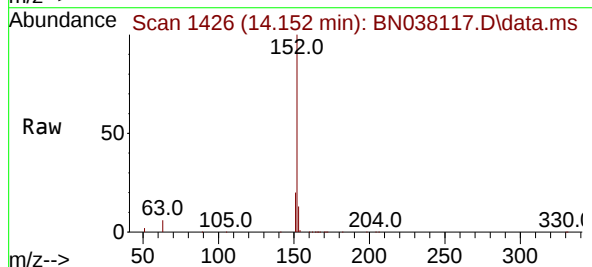
Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

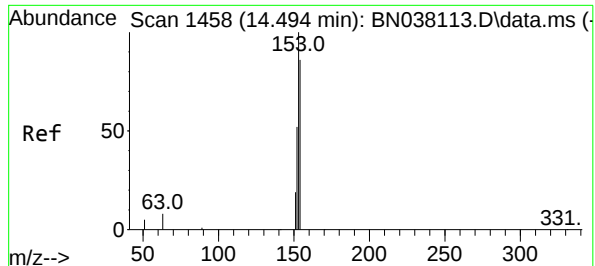
Tgt Ion:172 Resp: 335695
Ion Ratio Lower Upper
172 100
171 35.8 27.8 41.6
170 24.2 18.1 27.1



#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

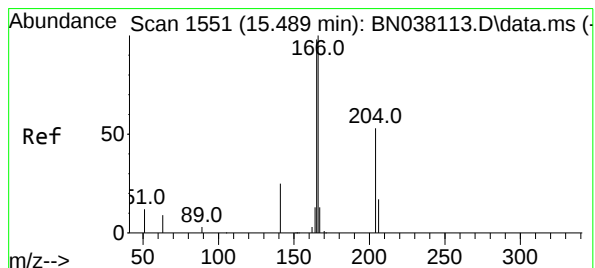
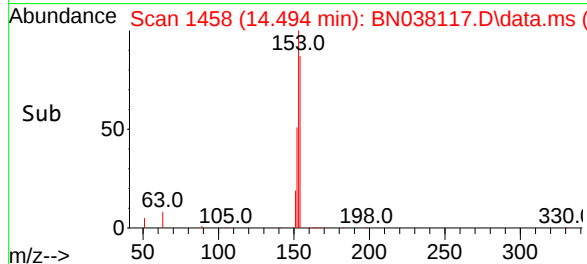
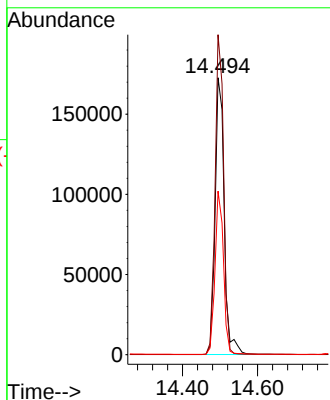
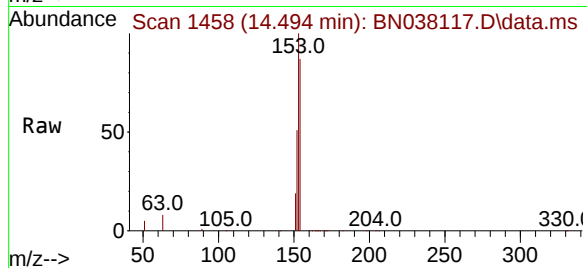




#17
Acenaphthene
Concen: 5.117 ng
RT: 14.494 min Scan# 1458
Delta R.T. 0.000 min
Lab File: BN038117.D
Acq: 28 Oct 2025 16:38

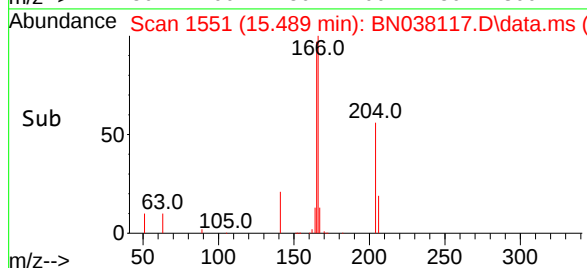
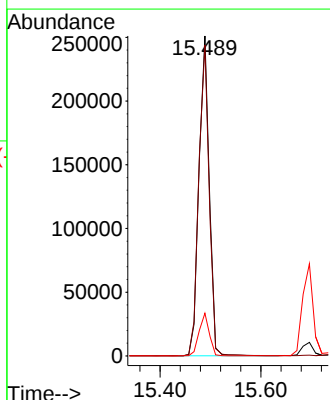
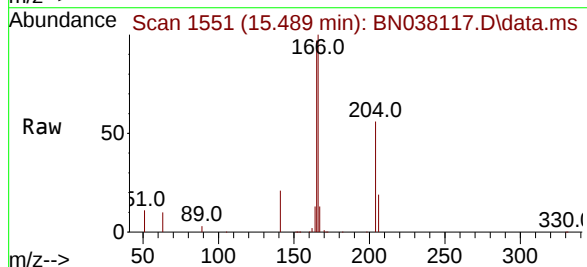
Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

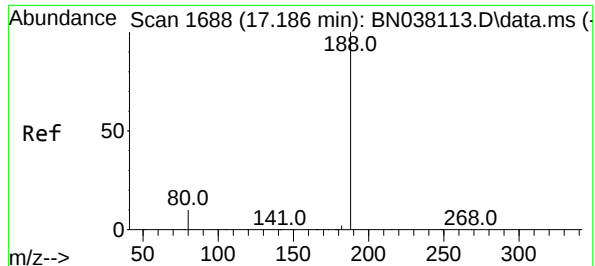
Tgt Ion:154 Resp: 291166
Ion Ratio Lower Upper
154 100
153 108.1 90.0 135.0
152 55.0 47.3 70.9



#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

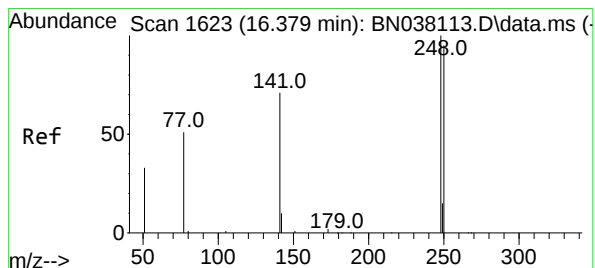
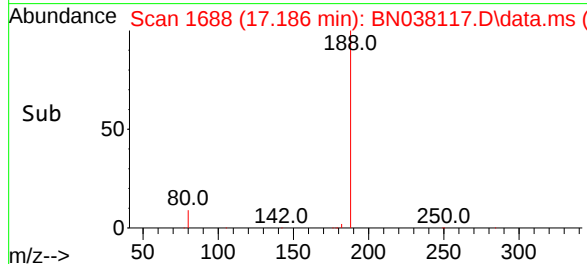
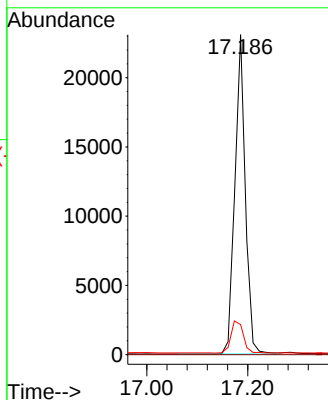
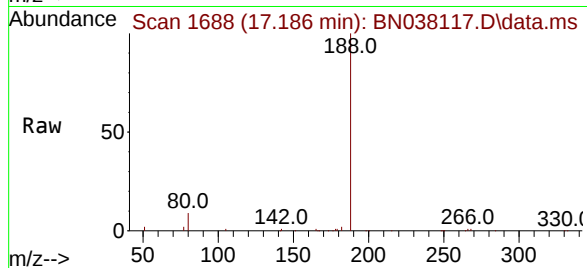
Tgt Ion:188 Resp: 33242

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

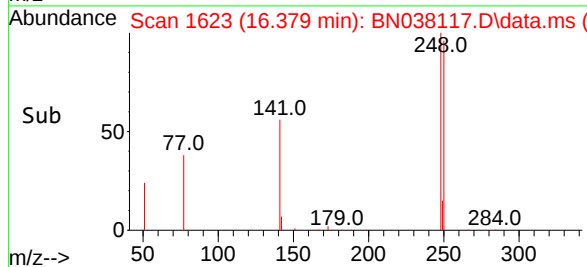
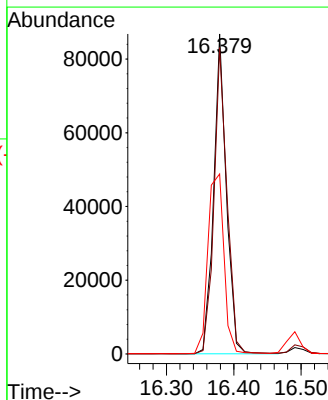
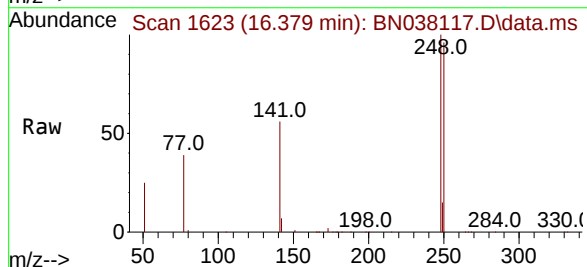
Tgt Ion:248 Resp: 114170

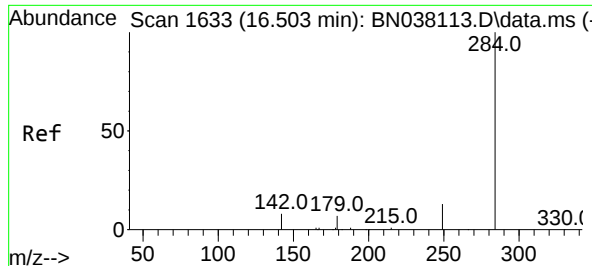
Ion Ratio Lower Upper

248 100

250 95.7 76.2 114.2

141 56.3 57.6 86.4#

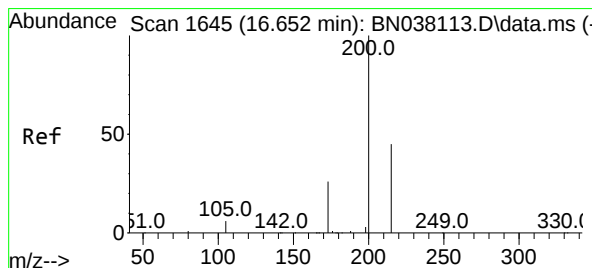
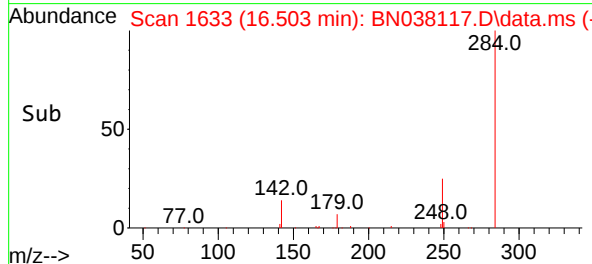
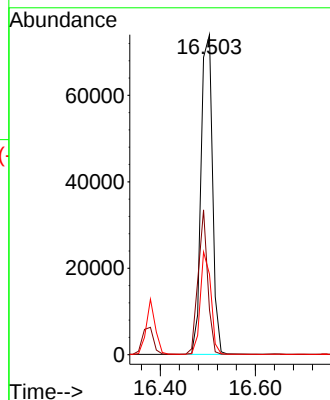
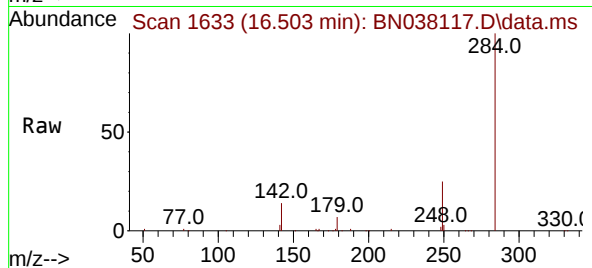




#22
Hexachlorobenzene
Concen: 5.003 ng
RT: 16.503 min Scan# 1633
Delta R.T. 0.000 min
Lab File: BN038117.D
Acq: 28 Oct 2025 16:38

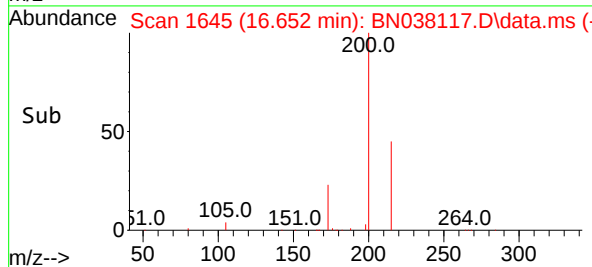
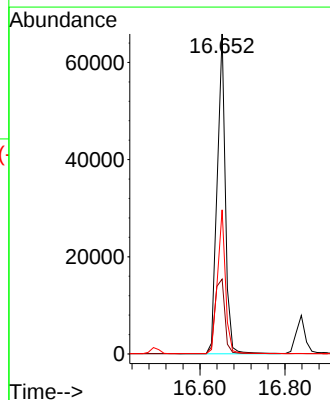
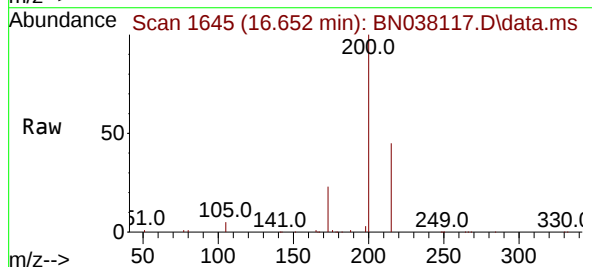
Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

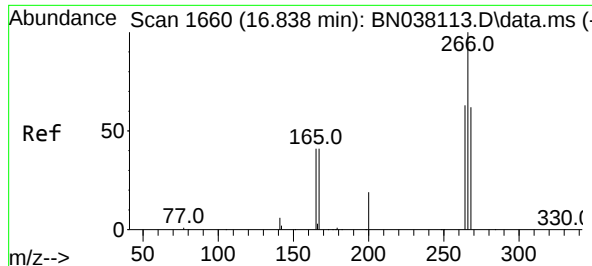
Tgt Ion:284 Resp: 123999
Ion Ratio Lower Upper
284 100
142 37.6 30.5 45.7
249 29.6 23.5 35.3



#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

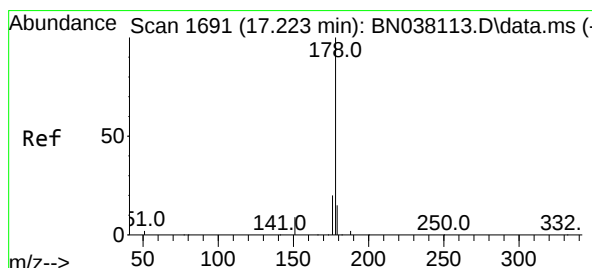
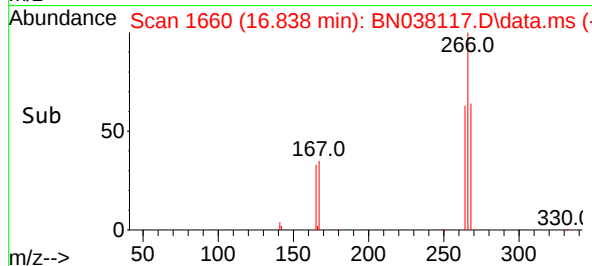
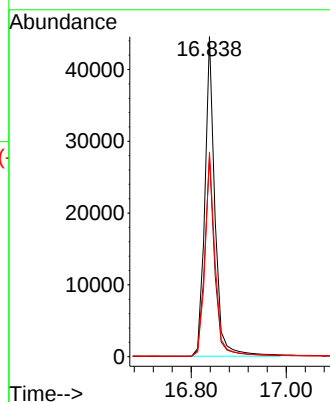
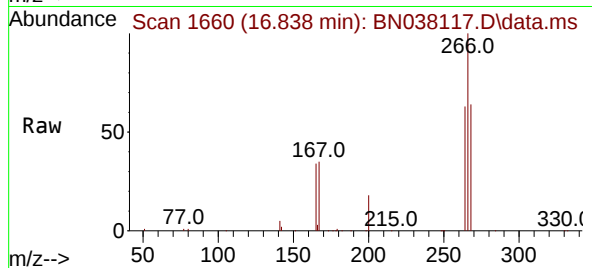
Tgt Ion:266 Resp: 66071

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

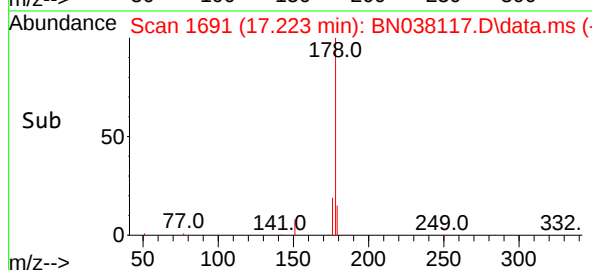
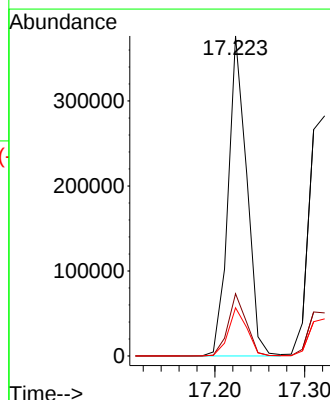
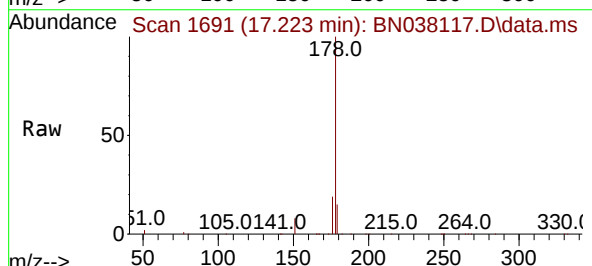
Tgt Ion:178 Resp: 539294

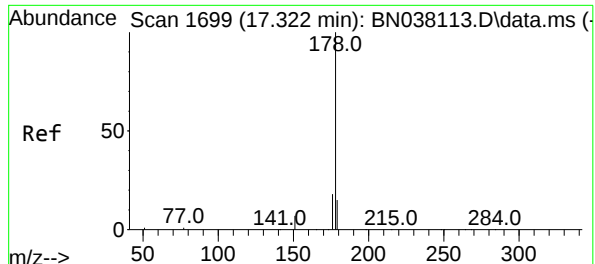
Ion Ratio Lower Upper

178 100

176 19.2 15.5 23.3

179 15.1 12.2 18.4

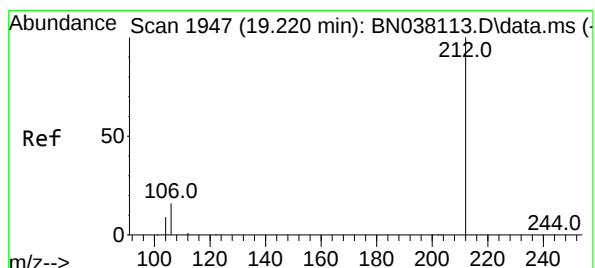
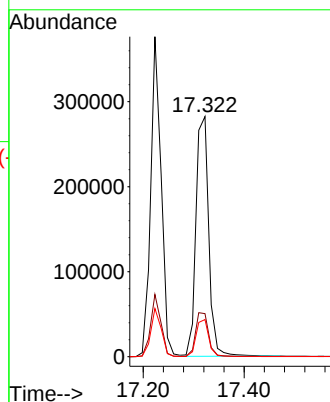
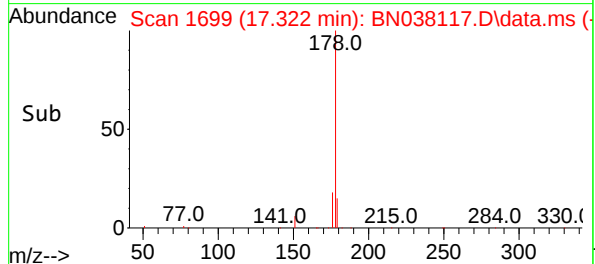
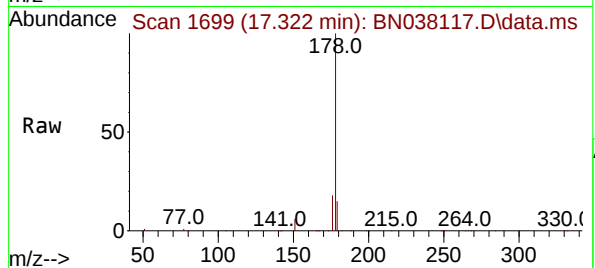




#26
Anthracene
Concen: 5.411 ng
RT: 17.322 min Scan# 1699
Delta R.T. 0.000 min
Lab File: BN038117.D
Acq: 28 Oct 2025 16:38

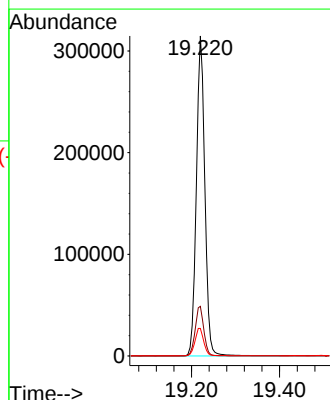
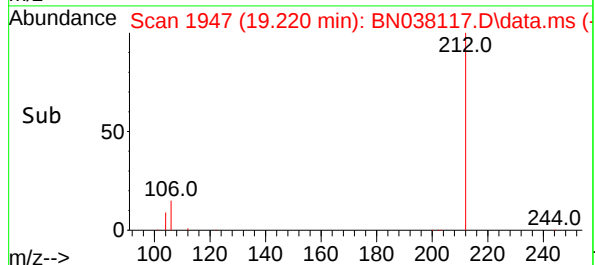
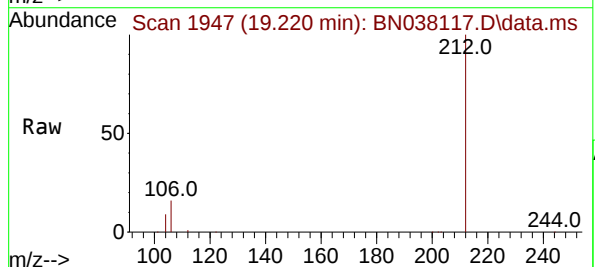
Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

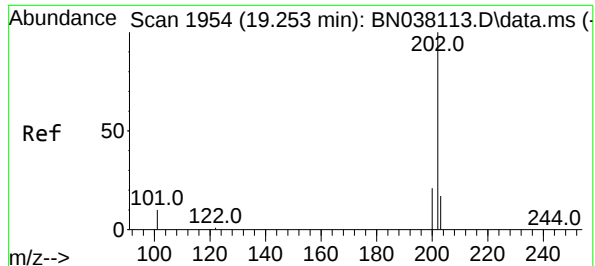
Tgt Ion:178 Resp: 499584
Ion Ratio Lower Upper
178 100
176 18.6 14.9 22.3
179 15.3 11.8 17.8



#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

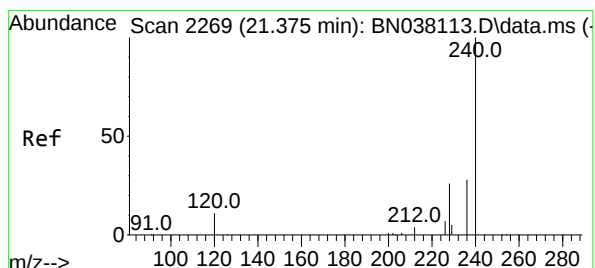
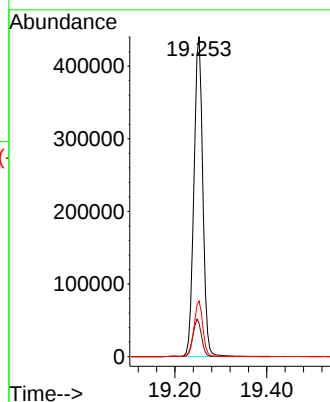
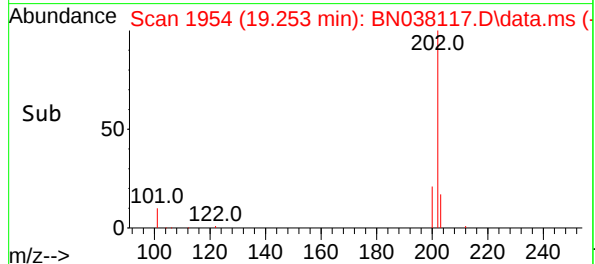
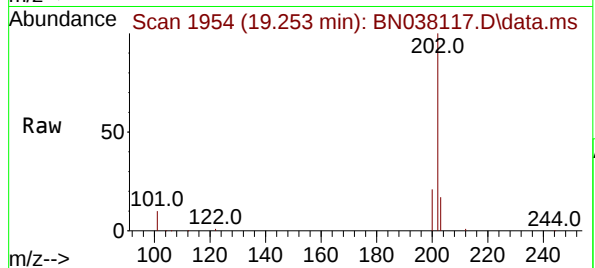




#28
Fluoranthene
Concen: 4.984 ng
RT: 19.253 min Scan# 1954
Delta R.T. 0.000 min
Lab File: BN038117.D
Acq: 28 Oct 2025 16:38

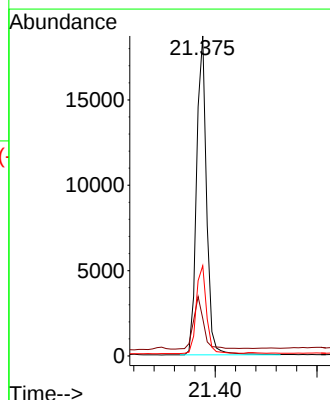
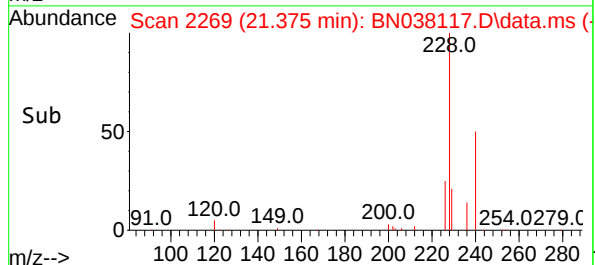
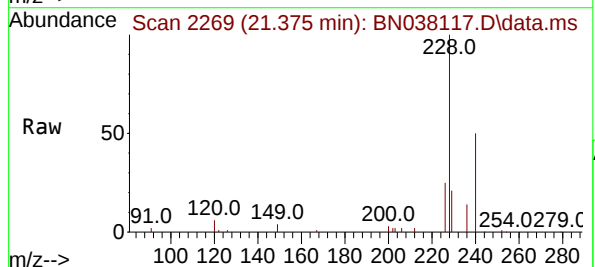
Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

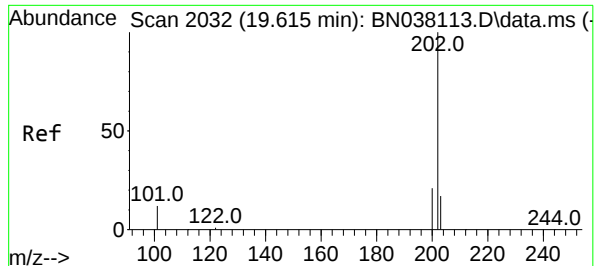
Tgt Ion:202 Resp: 587710
Ion Ratio Lower Upper
202 100
101 11.7 9.4 14.2
203 17.3 13.4 20.2



#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

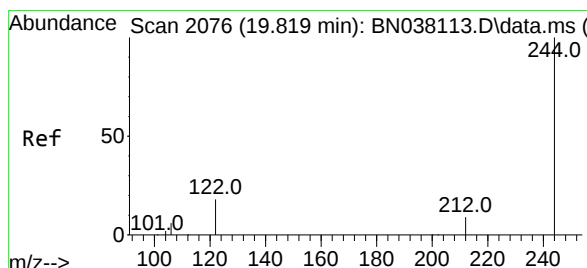
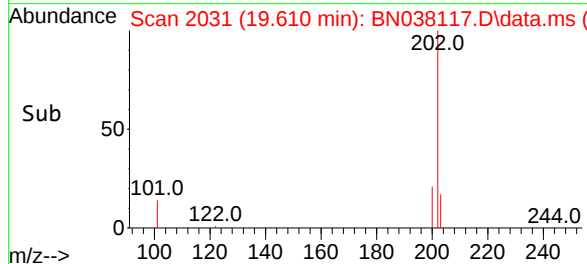
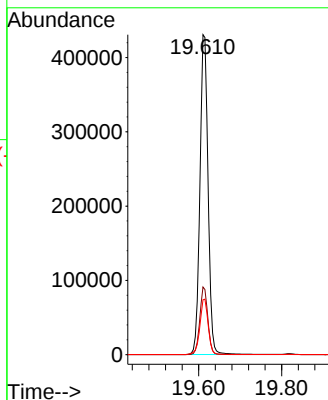
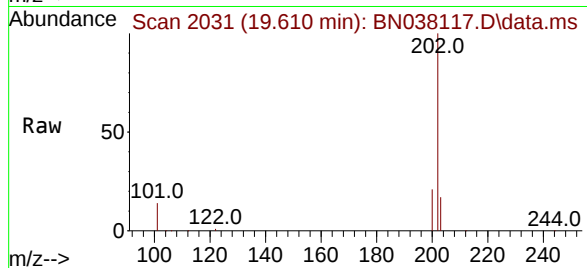




#30
Pyrene
Concen: 5.112 ng
RT: 19.610 min Scan# 2032
Delta R.T. 0.000 min
Lab File: BN038117.D
Acq: 28 Oct 2025 16:38

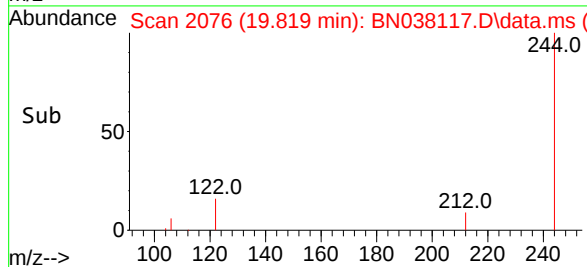
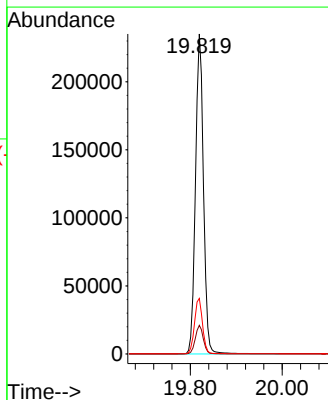
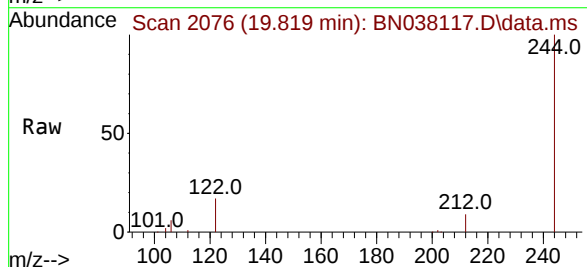
Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

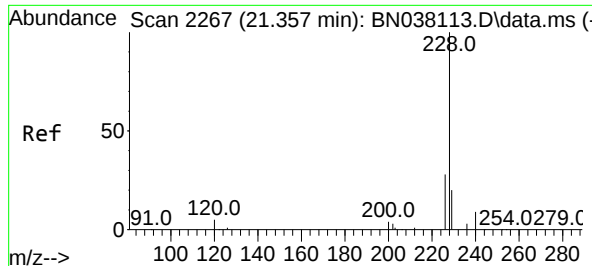
Tgt Ion:202 Resp: 586526
Ion Ratio Lower Upper
202 100
200 21.0 16.7 25.1
203 17.8 14.2 21.2



#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

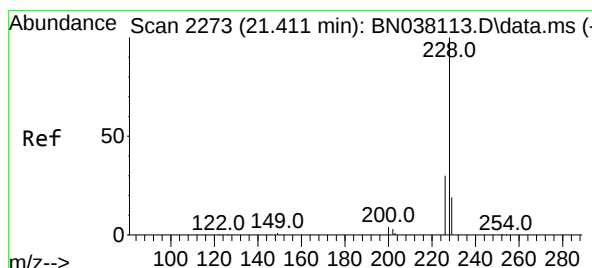
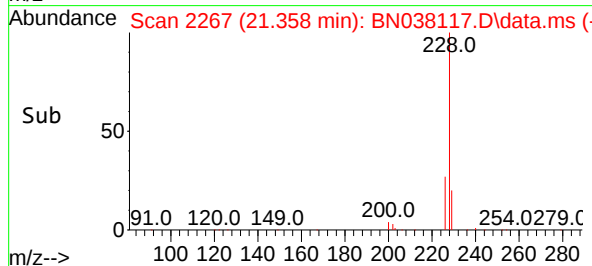
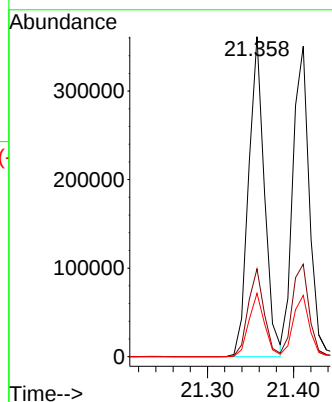
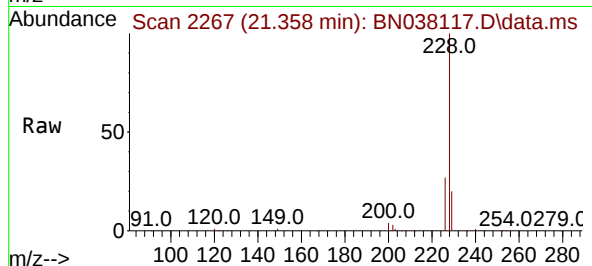




#32
Benzo(a)anthracene
Concen: 5.100 ng
RT: 21.358 min Scan# 2135
Delta R.T. 0.000 min
Lab File: BN038117.D
Acq: 28 Oct 2025 16:38

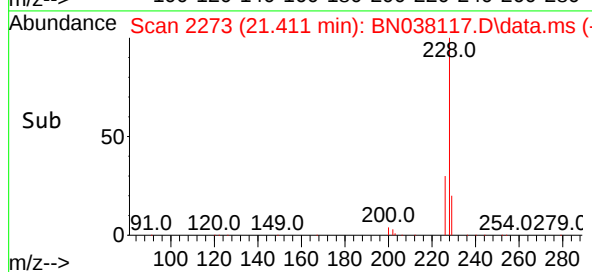
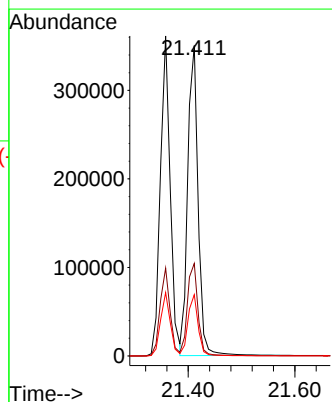
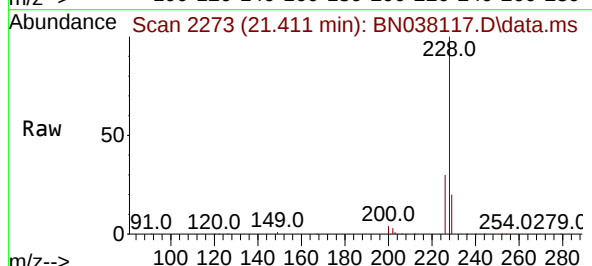
Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

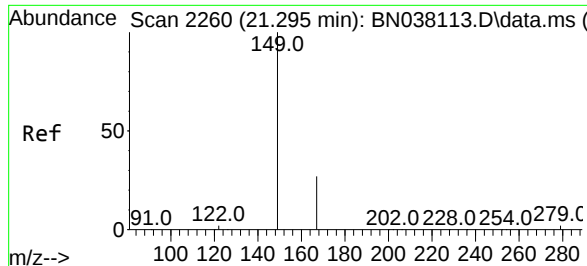
Tgt Ion:228 Resp: 462496
Ion Ratio Lower Upper
228 100
226 27.4 22.2 33.4
229 19.8 15.8 23.8



#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

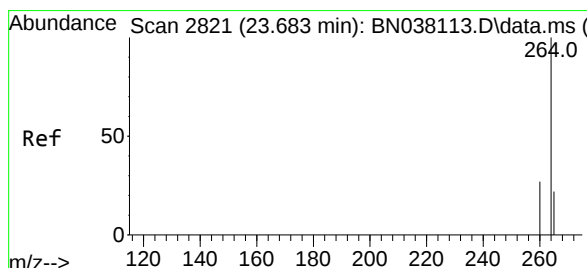
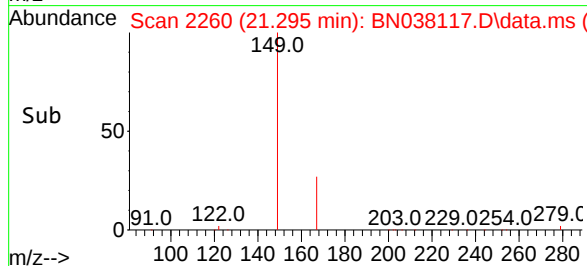
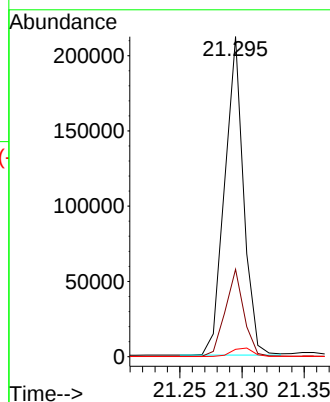
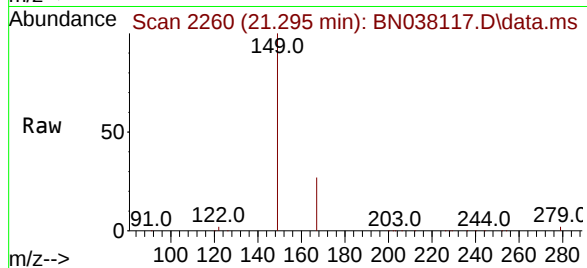




#34
Bis(2-ethylhexyl)phthalate
Concen: 4.679 ng
RT: 21.295 min Scan# 21
Delta R.T. 0.000 min
Lab File: BN038117.D
Acq: 28 Oct 2025 16:38

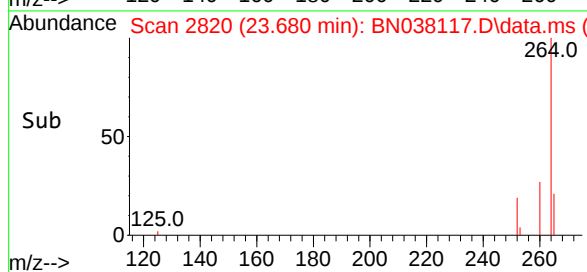
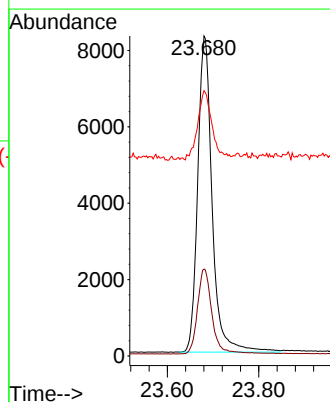
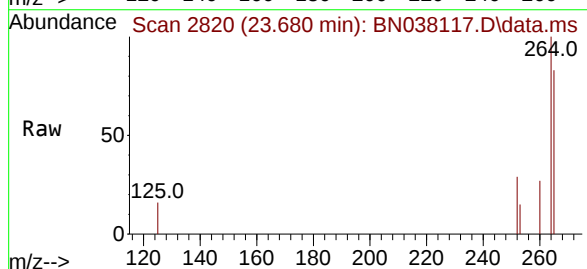
Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

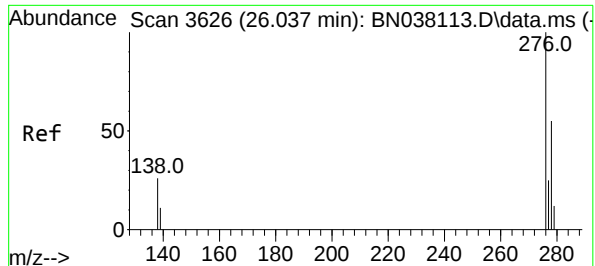
Tgt Ion:149 Resp: 223481
Ion Ratio Lower Upper
149 100
167 27.0 21.1 31.7
279 3.1 2.9 4.3



#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

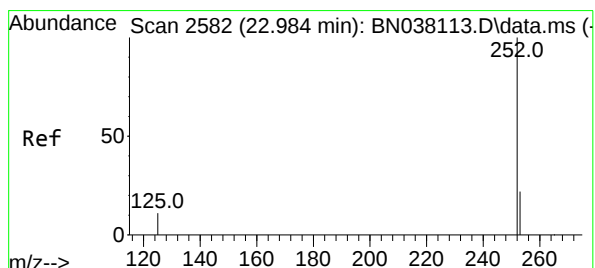
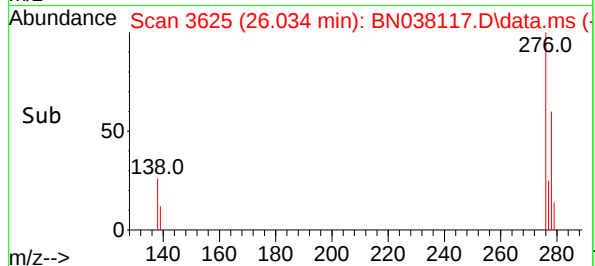
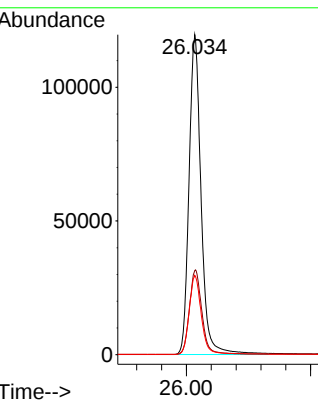
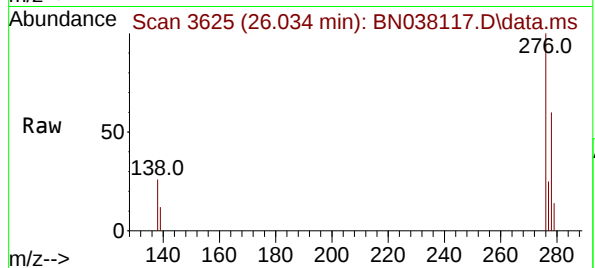
Tgt Ion:276 Resp: 403825

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

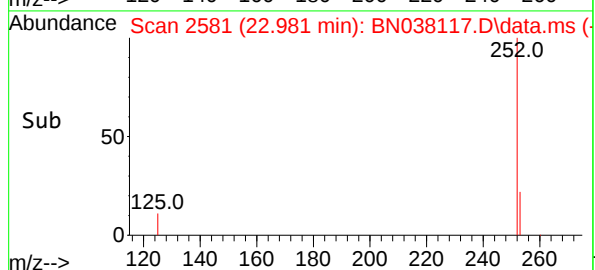
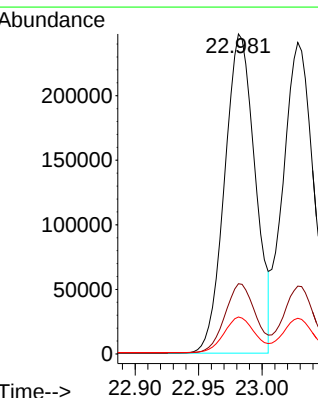
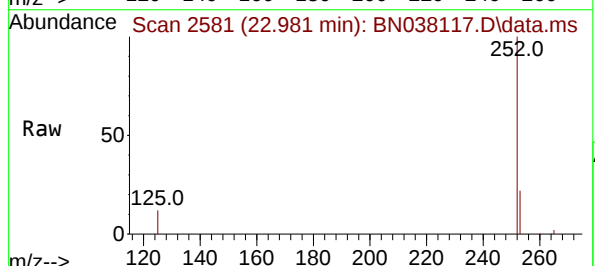
Tgt Ion:252 Resp: 413811

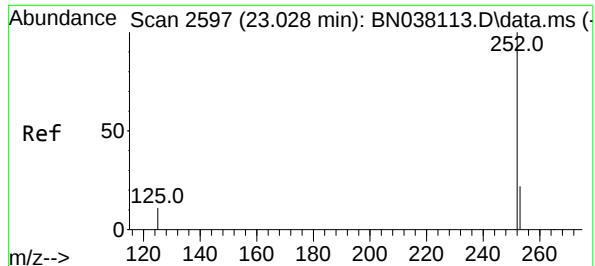
Ion Ratio Lower Upper

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

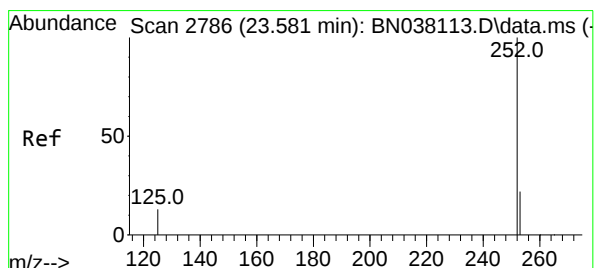
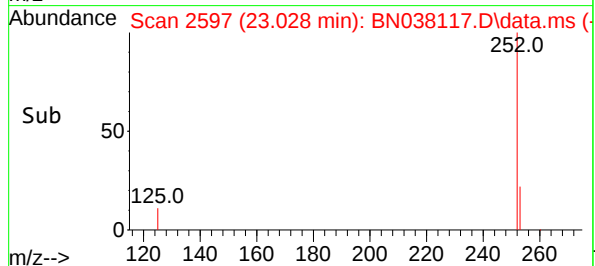
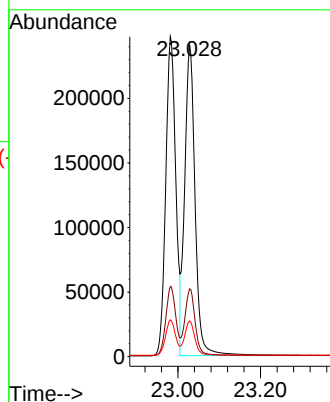
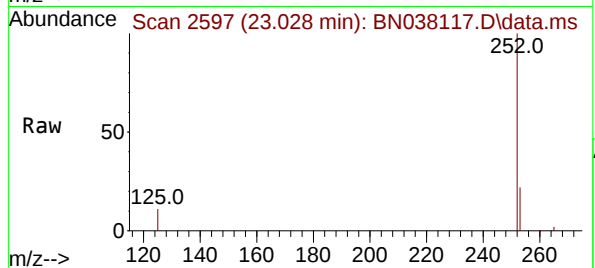
Tgt Ion:252 Resp: 421255

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

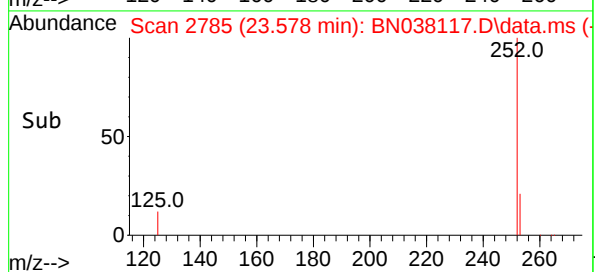
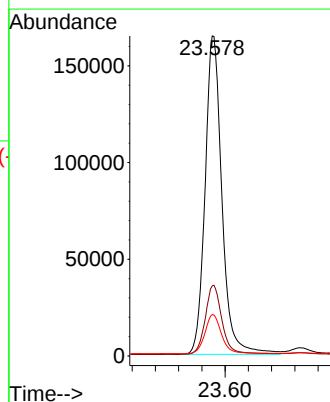
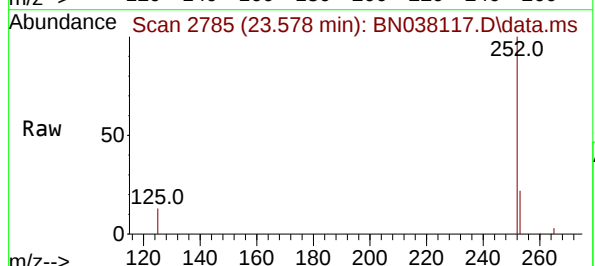
Tgt Ion:252 Resp: 332107

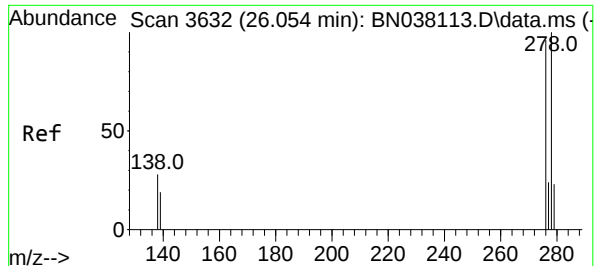
Ion Ratio Lower Upper

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

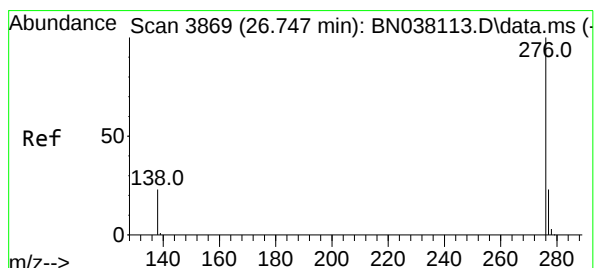
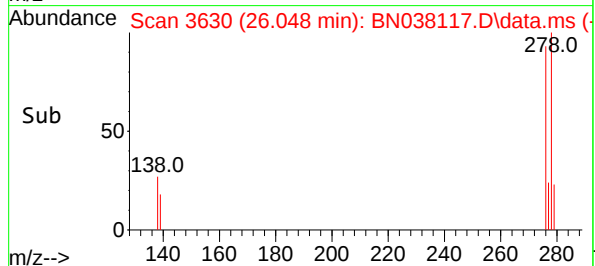
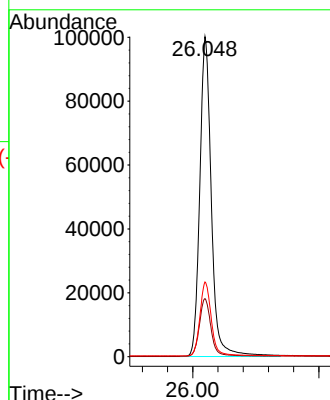
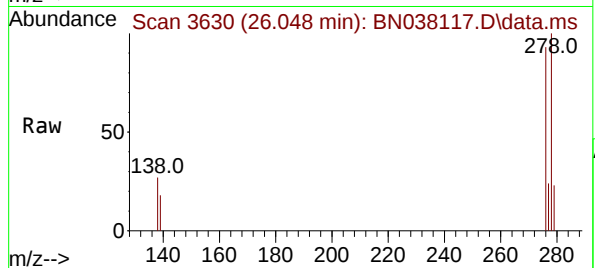
Tgt Ion:278 Resp: 318538

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

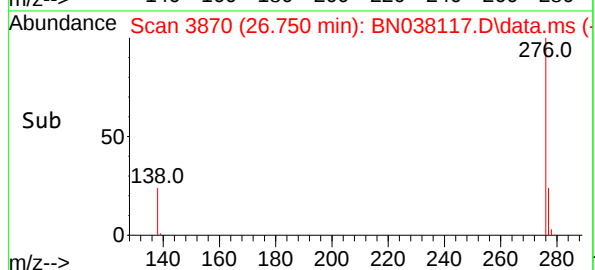
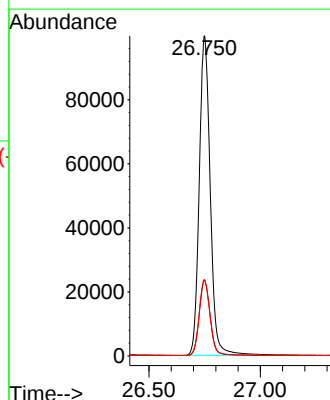
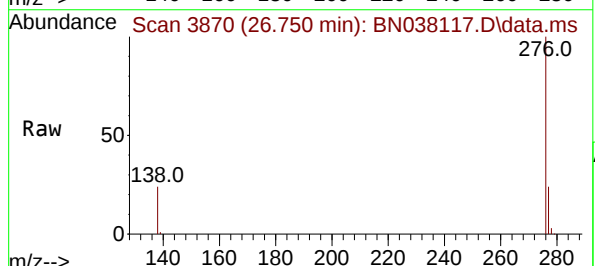
Tgt Ion:276 Resp: 342713

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)

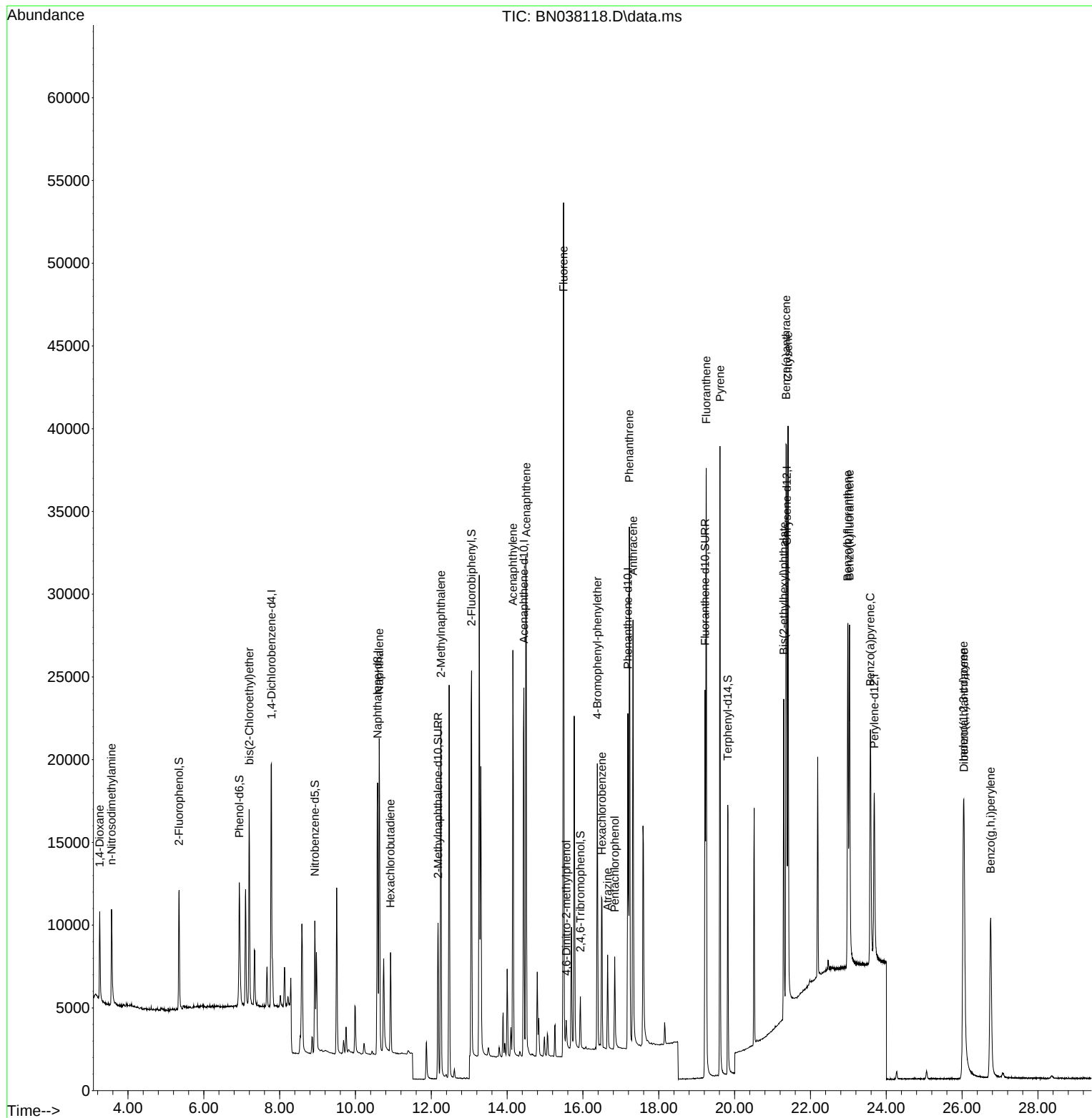
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.782	152	7698	0.400	ng	0.00
7) Naphthalene-d8	10.584	136	23240	0.400	ng	0.01
13) Acenaphthene-d10	14.441	164	13297	0.400	ng	0.01
19) Phenanthrene-d10	17.186	188	26273	0.400	ng	0.00
29) Chrysene-d12	21.375	240	18729	0.400	ng	0.00
35) Perylene-d12	23.683	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

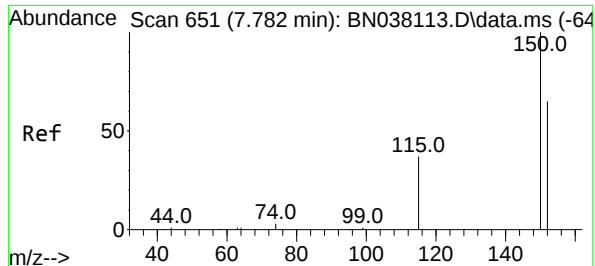
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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

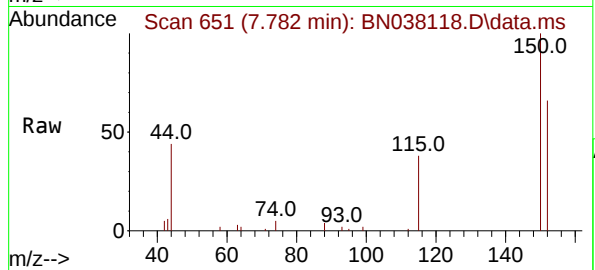
Quant Time: Oct 29 17:07:11 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN102825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Oct 29 13:09:46 2025
Response via : Initial Calibration



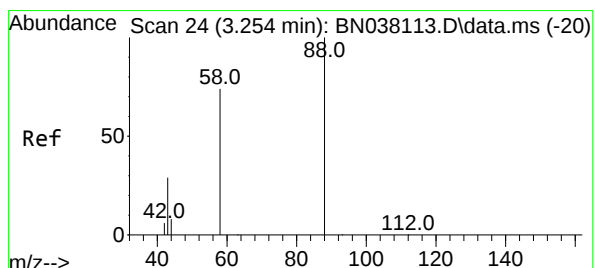
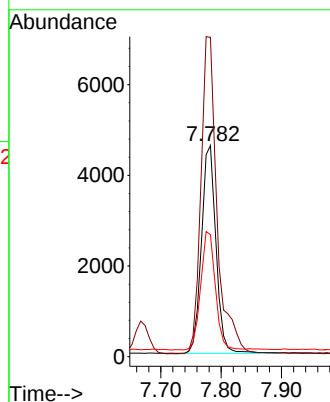
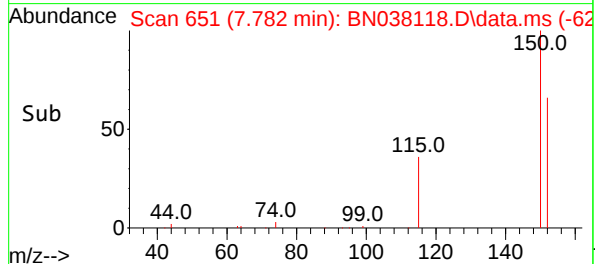


#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.782 min Scan# 61
Delta R.T. 0.007 min
Lab File: BN038118.D
Acq: 28 Oct 2025 17:51

Instrument :
BNA_N
ClientSampleId :
ICVBN102825

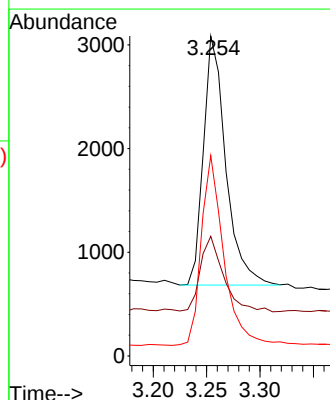
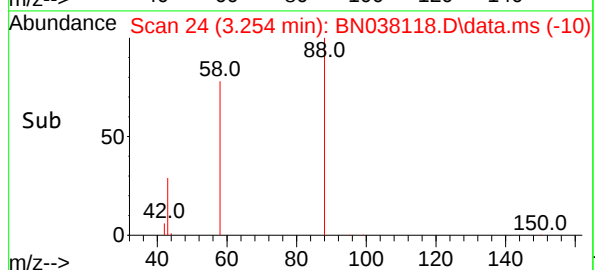
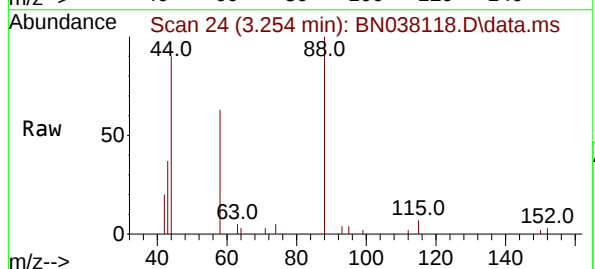


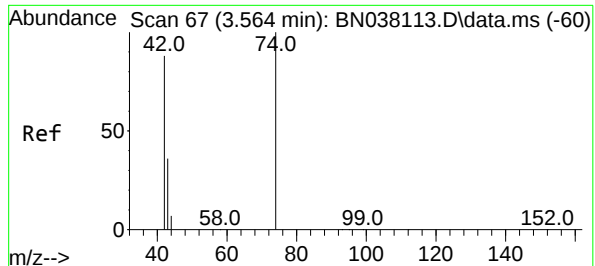
Tgt Ion:152 Resp: 7698
Ion Ratio Lower Upper
152 100
150 151.3 122.3 183.5
115 57.8 47.4 71.0



#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

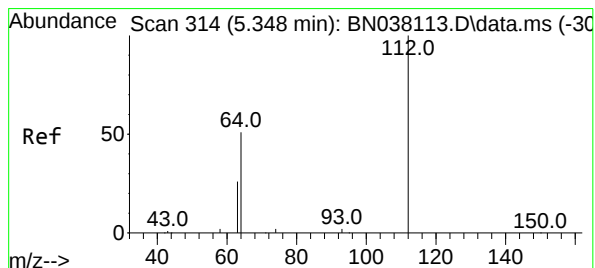
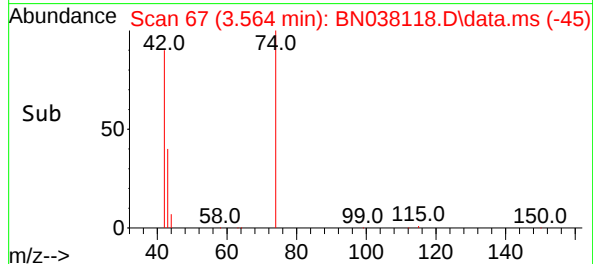
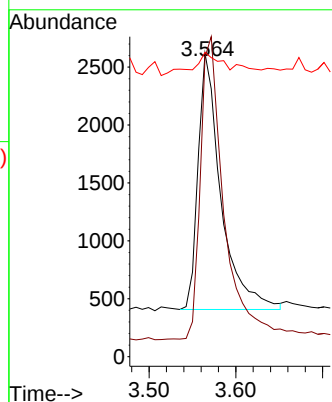
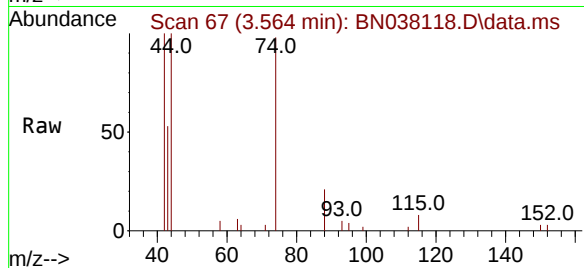




#3
n-Nitrosodimethylamine
Concen: 0.398 ng
RT: 3.564 min Scan# 61
Delta R.T. 0.007 min
Lab File: BN038118.D
Acq: 28 Oct 2025 17:51

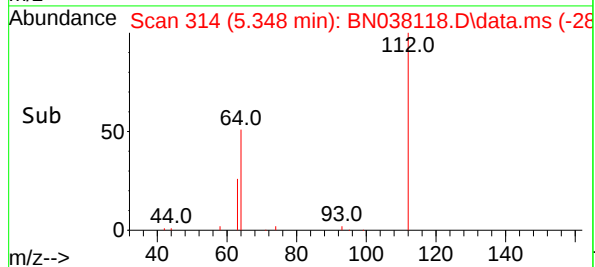
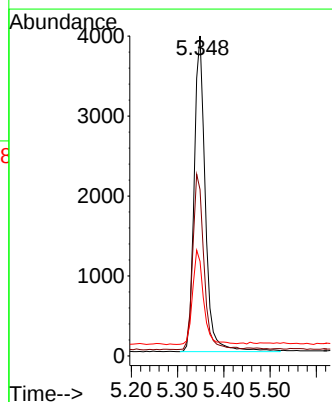
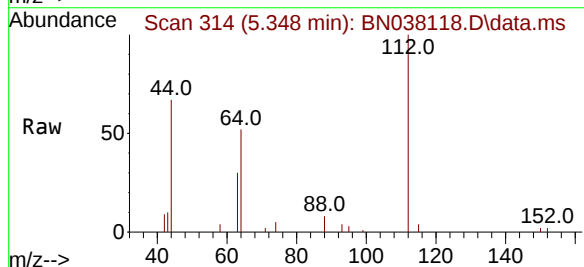
Instrument :
BNA_N
ClientSampleId :
ICVBN102825

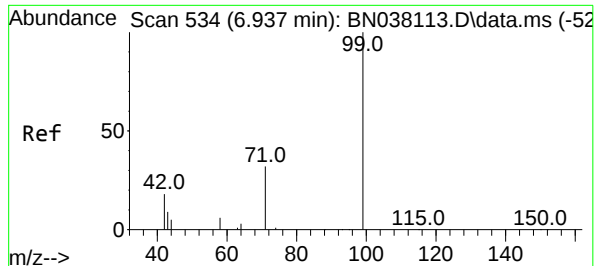
Tgt Ion: 42 Resp: 4071
Ion Ratio Lower Upper
42 100
74 124.8 96.8 145.2
44 10.5 5.3 7.9#



#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

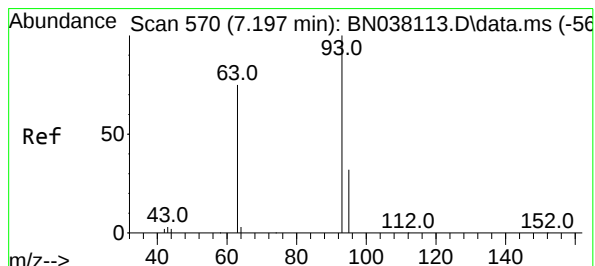
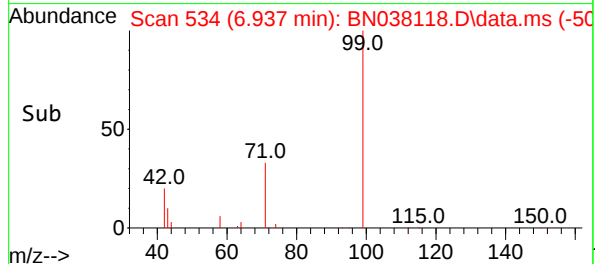
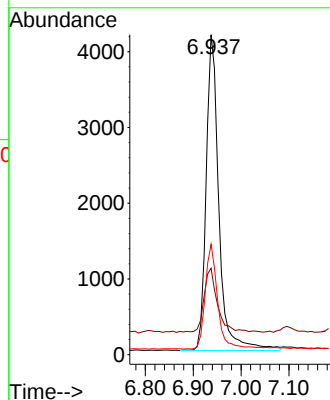
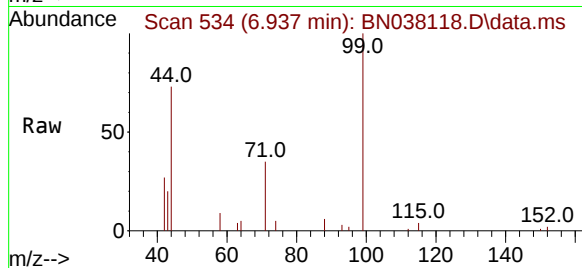




#5
Phenol-d6
Concen: 0.351 ng
RT: 6.937 min Scan# 51
Delta R.T. 0.000 min
Lab File: BN038118.D
Acq: 28 Oct 2025 17:51

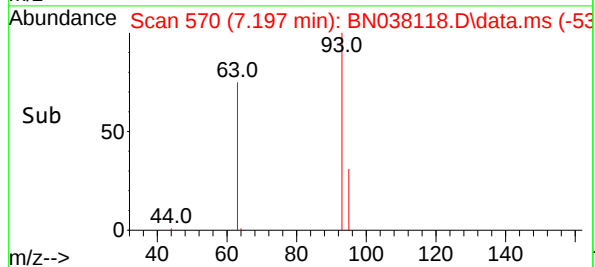
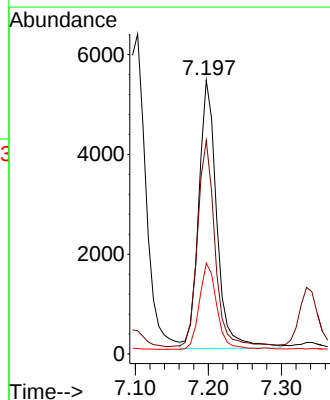
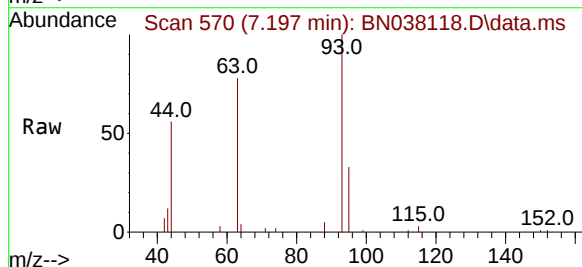
Instrument :
BNA_N
ClientSampleId :
ICVBN102825

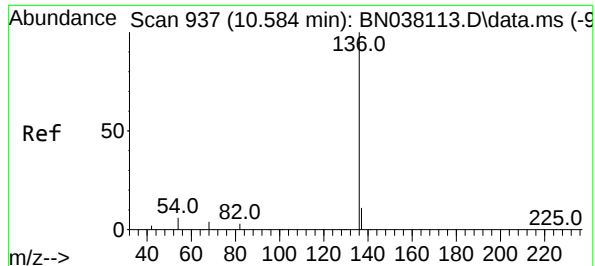
Tgt Ion	Ratio	Lower	Upper
99	100		
42	21.1	16.6	24.8
71	33.2	25.4	38.2



#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	Ratio	Lower	Upper
93	100		
63	73.9	59.3	88.9
95	30.9	25.2	37.8

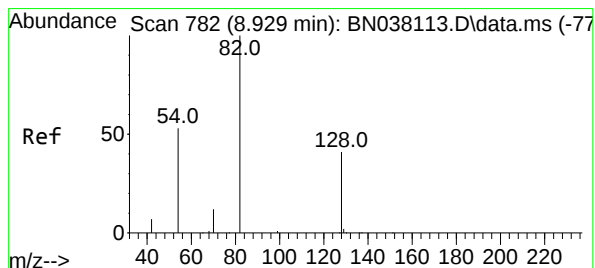
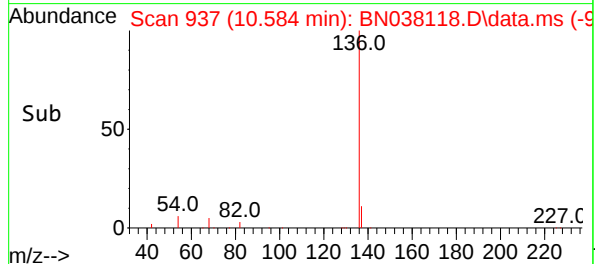
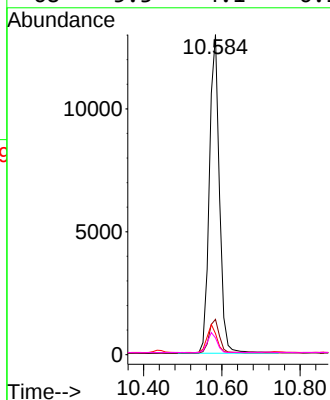
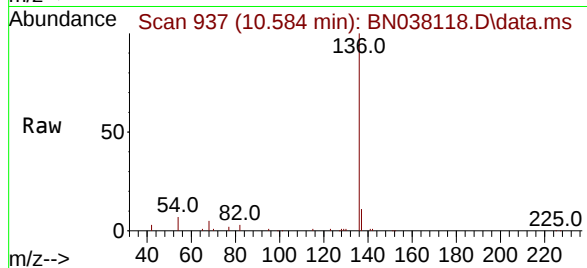




#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.584 min Scan# 91
Delta R.T. 0.011 min
Lab File: BN038118.D
Acq: 28 Oct 2025 17:51

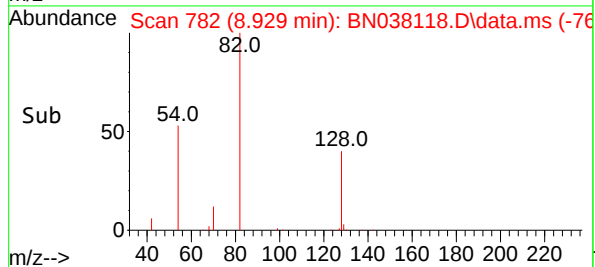
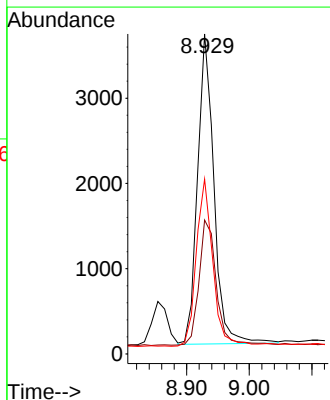
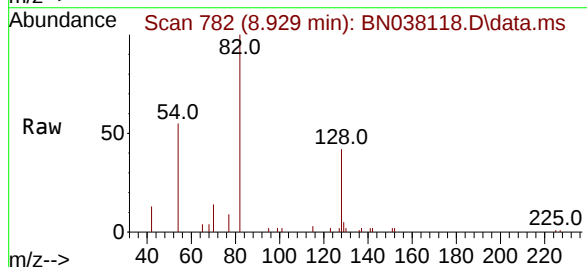
Instrument :
BNA_N
ClientSampleId :
ICVBN102825

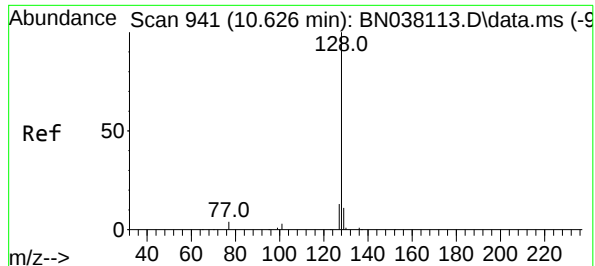
Tgt Ion:	136	Resp:	23240
Ion	Ratio	Lower	Upper
136	100		
137	11.1	9.0	13.4
54	6.6	5.2	7.8
68	5.3	4.1	6.1



#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

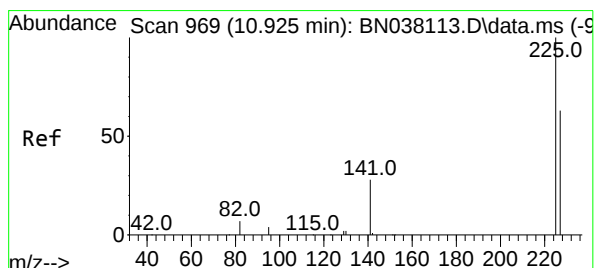
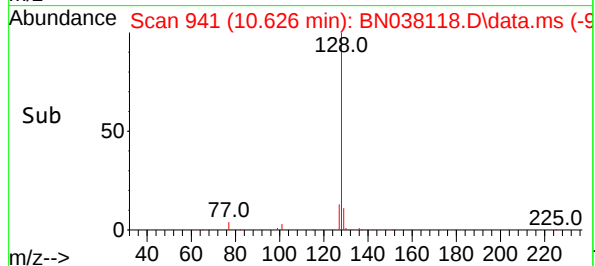
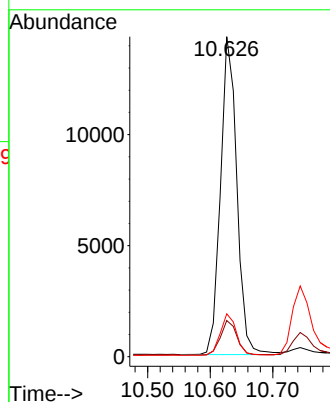
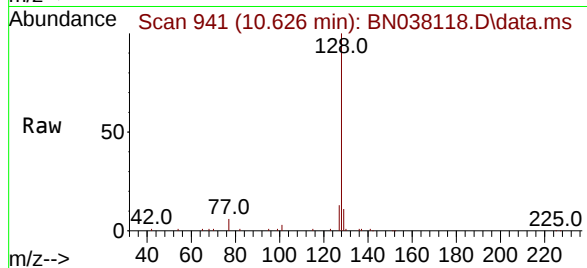
Tgt Ion:128 Resp: 26051

Ion Ratio Lower Upper

128 100

129 11.3 9.1 13.7

127 13.4 10.5 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

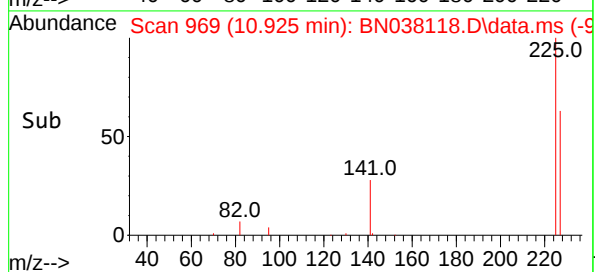
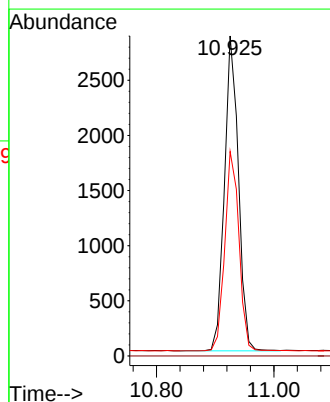
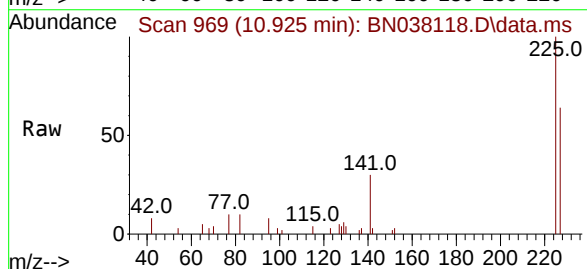
Tgt Ion:225 Resp: 4702

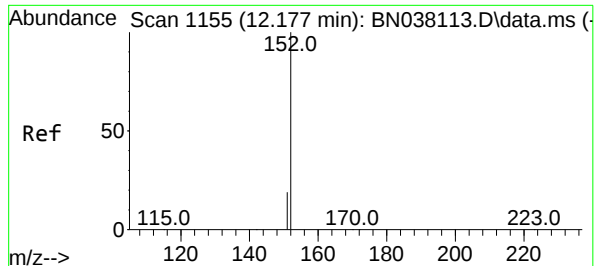
Ion Ratio Lower Upper

225 100

223 0.0 0.0 0.0

227 64.4 50.3 75.5

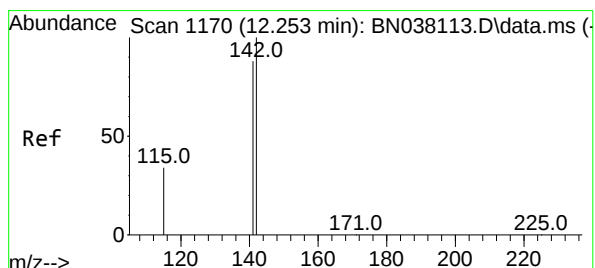
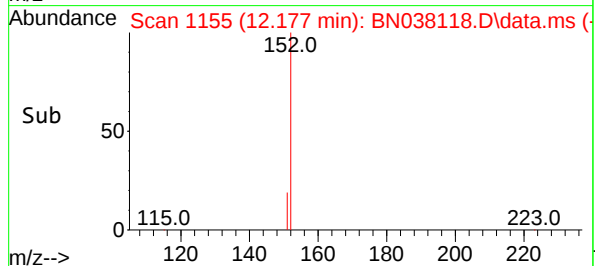
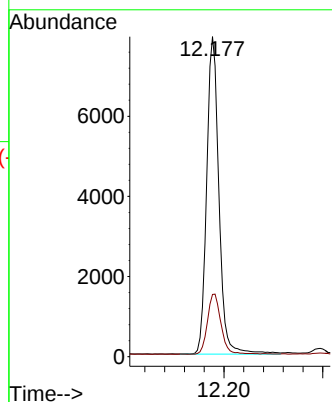
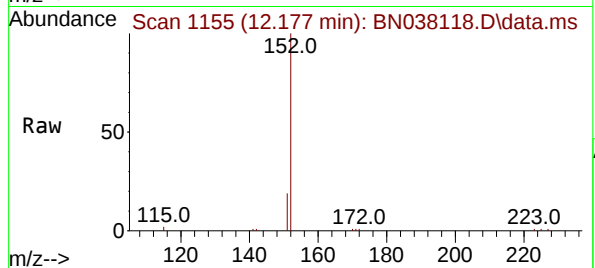




#11
2-Methylnaphthalene-d10
Concen: 0.410 ng
RT: 12.177 min Scan# 1155
Delta R.T. 0.000 min
Lab File: BN038118.D
Acq: 28 Oct 2025 17:51

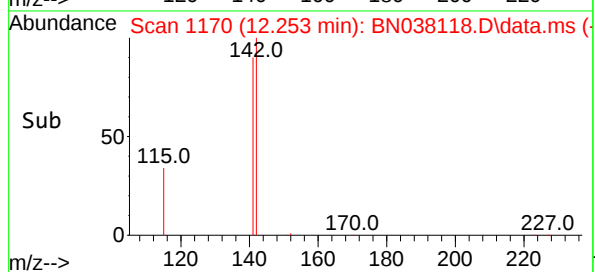
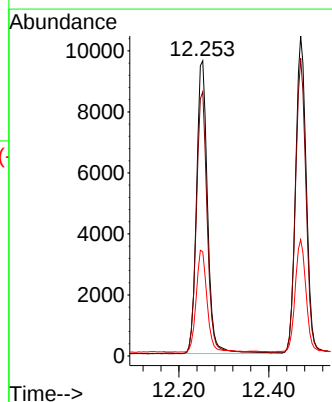
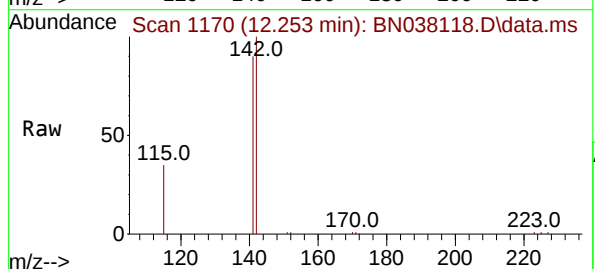
Instrument :
BNA_N
ClientSampleId :
ICVBN102825

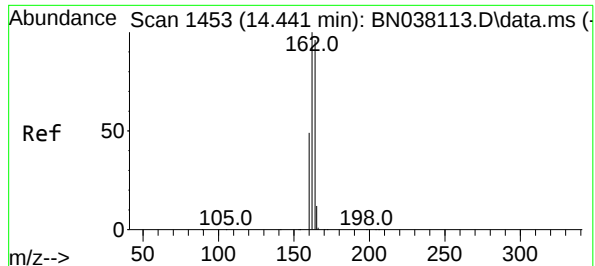
Tgt Ion:152 Resp: 13607
Ion Ratio Lower Upper
152 100
151 21.0 16.8 25.2



#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

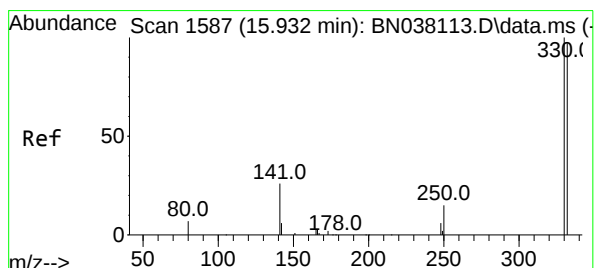
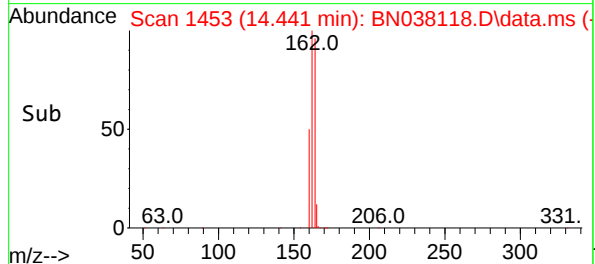
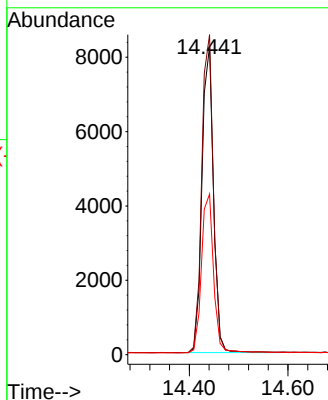
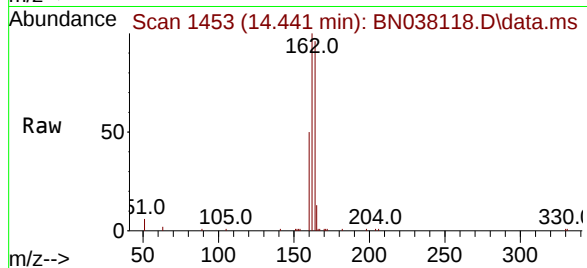




#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.441 min Scan# 1453
Delta R.T. 0.011 min
Lab File: BN038118.D
Acq: 28 Oct 2025 17:51

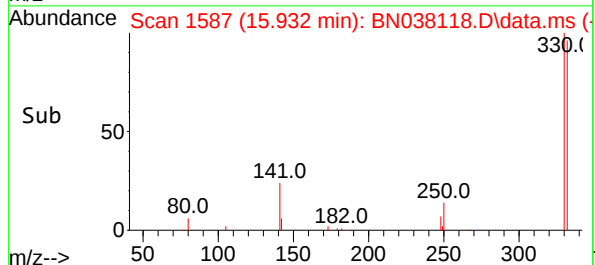
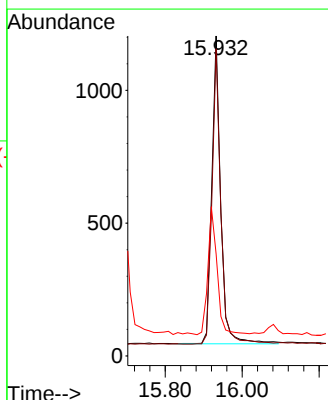
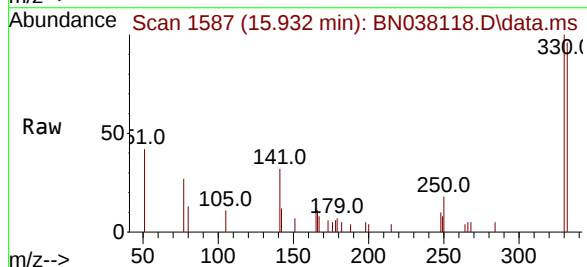
Instrument :
BNA_N
ClientSampleId :
ICVBN102825

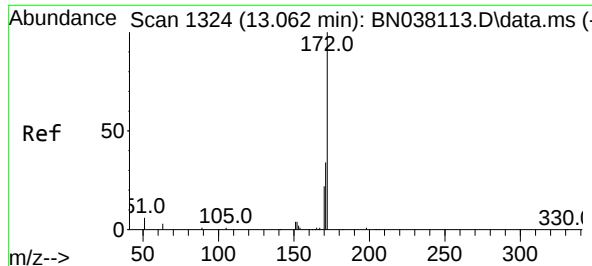
Tgt Ion:164 Resp: 13297
Ion Ratio Lower Upper
164 100
162 103.7 83.0 124.4
160 52.0 40.7 61.1



#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

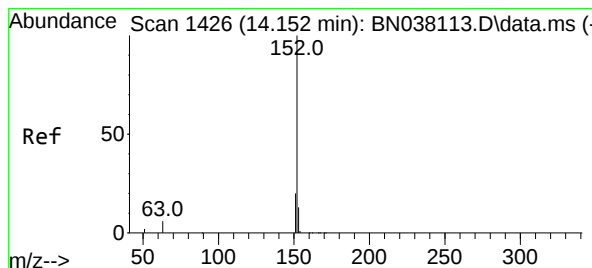
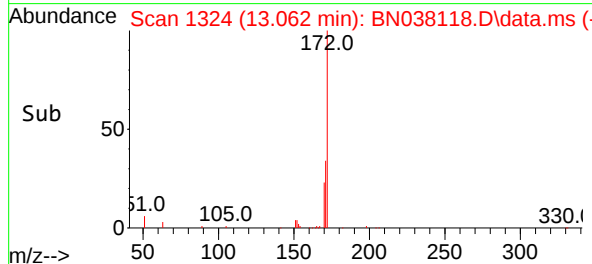
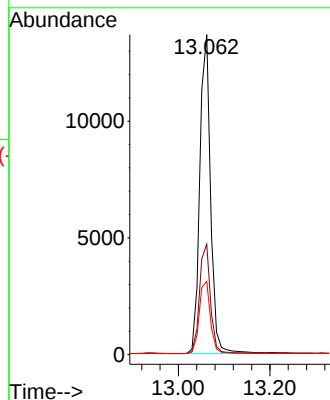
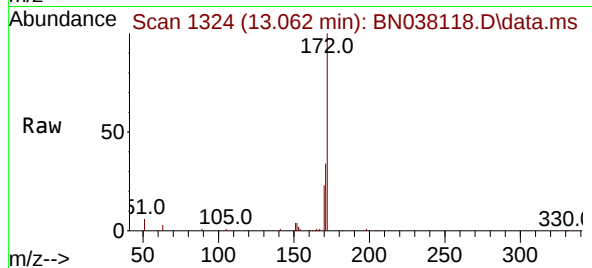




#15
2-Fluorobiphenyl
Concen: 0.411 ng
RT: 13.062 min Scan# 1324
Delta R.T. 0.011 min
Lab File: BN038118.D
Acq: 28 Oct 2025 17:51

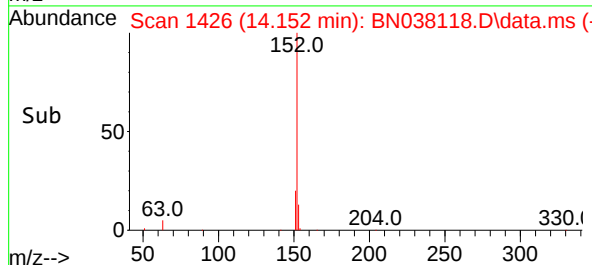
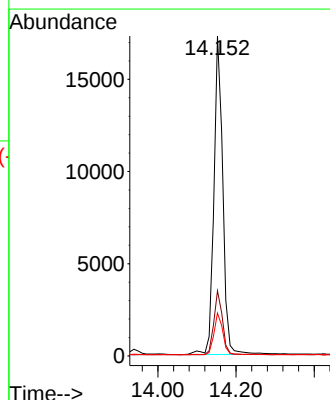
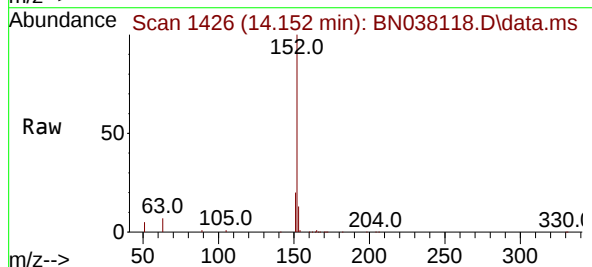
Instrument :
BNA_N
ClientSampleId :
ICVBN102825

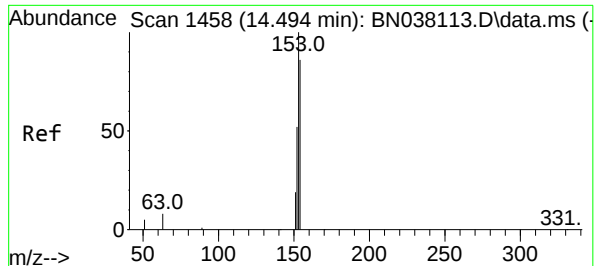
Tgt Ion	Ratio	Lower	Upper
172	100		
171	34.5	27.8	41.6
170	22.9	18.1	27.1



#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

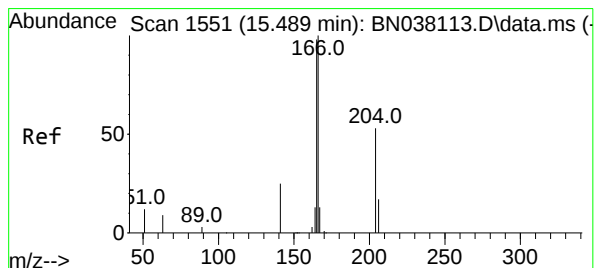
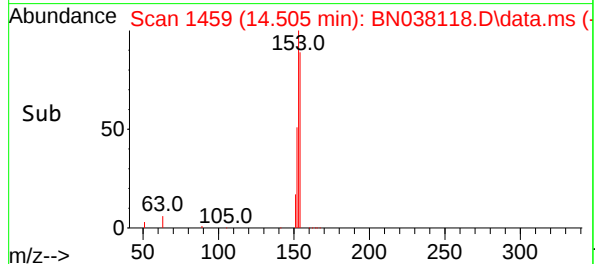
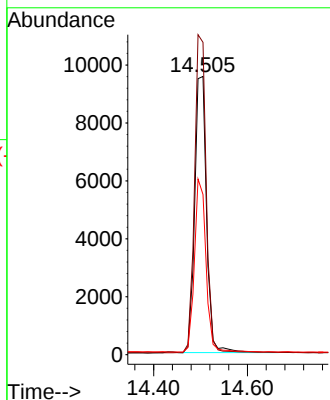
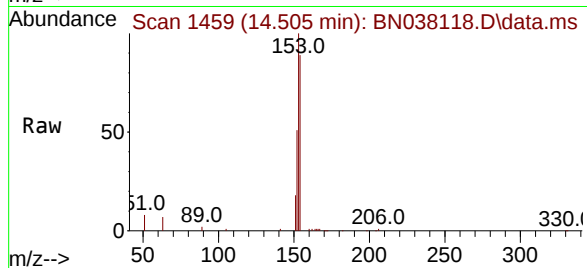




#17
Acenaphthene
Concen: 0.398 ng
RT: 14.505 min Scan# 1459
Delta R.T. 0.011 min
Lab File: BN038118.D
Acq: 28 Oct 2025 17:51

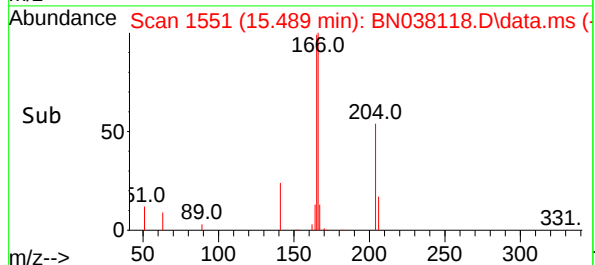
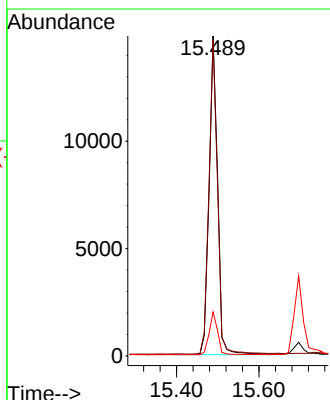
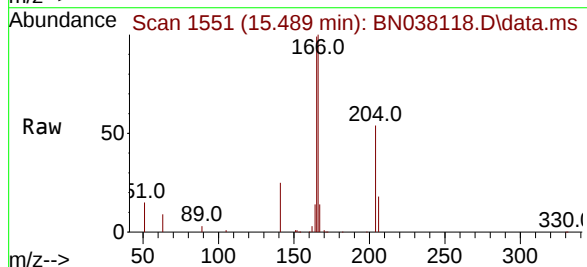
Instrument :
BNA_N
ClientSampleId :
ICVBN102825

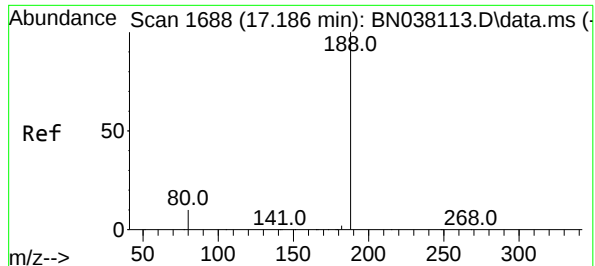
Tgt Ion:154 Resp: 16777
Ion Ratio Lower Upper
154 100
153 113.6 90.0 135.0
152 60.6 47.3 70.9



#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

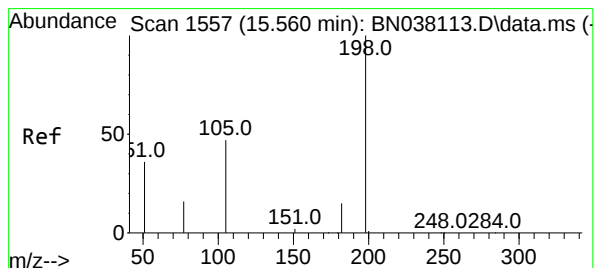
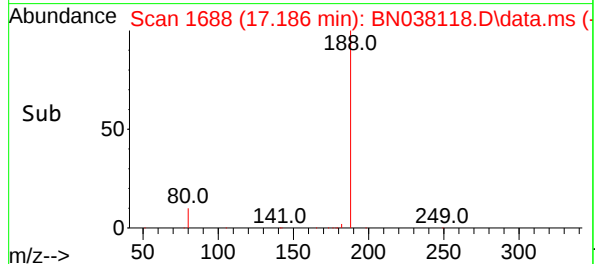
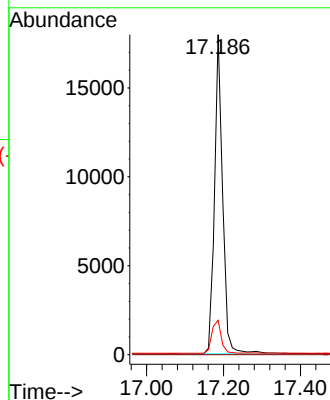
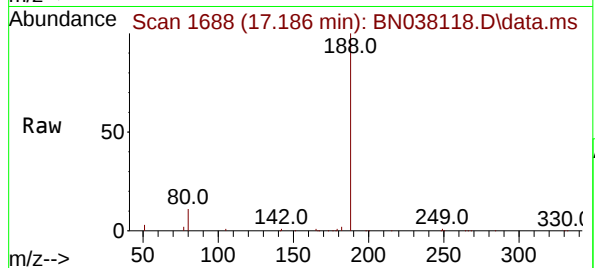
Tgt Ion:188 Resp: 26273

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

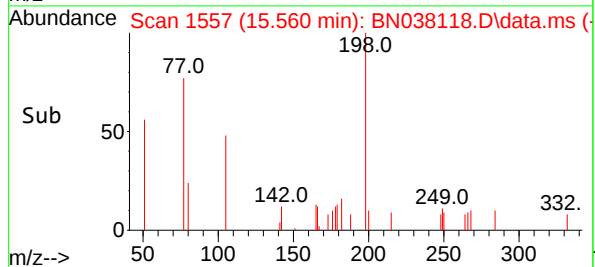
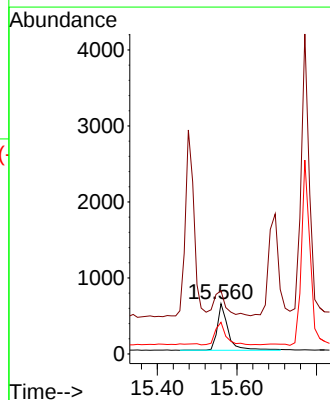
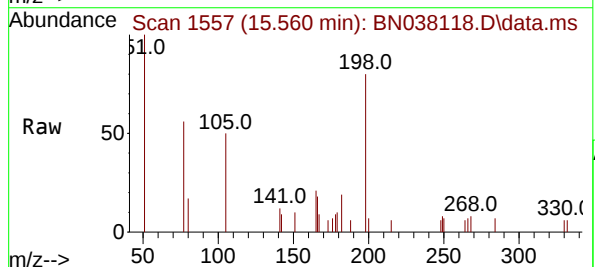
Tgt Ion:198 Resp: 1138

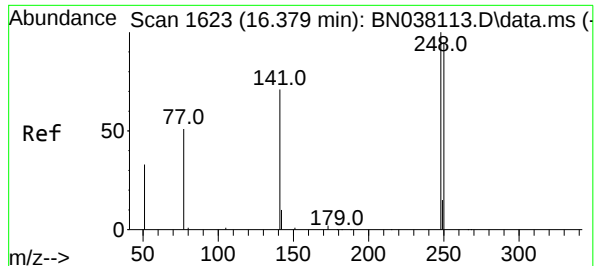
Ion Ratio Lower Upper

198 100

51 125.7 88.9 133.3

105 63.1 49.2 73.8

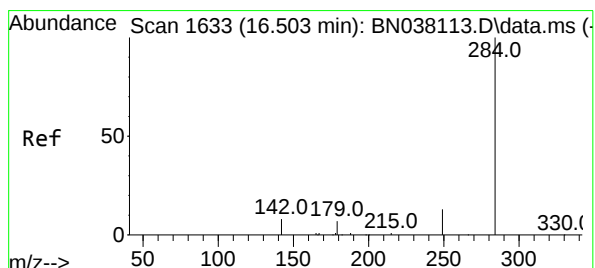
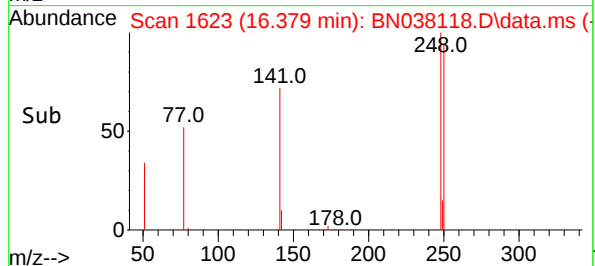
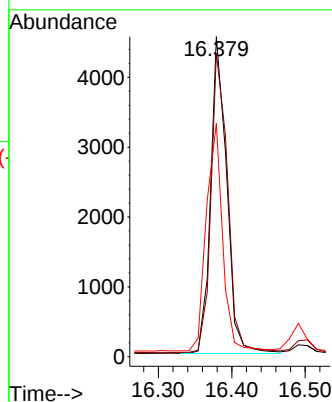
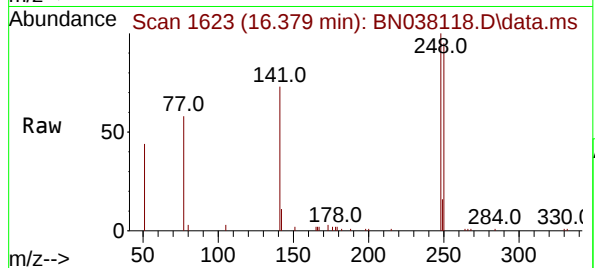




#21
4-Bromophenyl-phenylether
Concen: 0.400 ng
RT: 16.379 min Scan# 1623
Delta R.T. 0.000 min
Lab File: BN038118.D
Acq: 28 Oct 2025 17:51

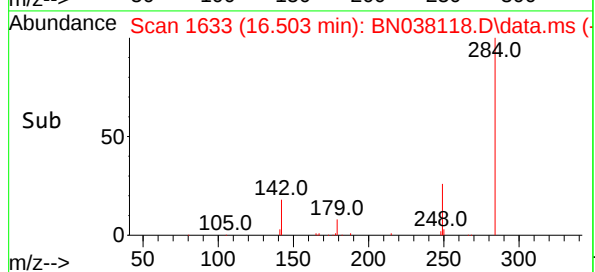
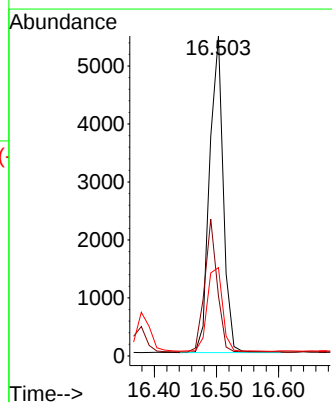
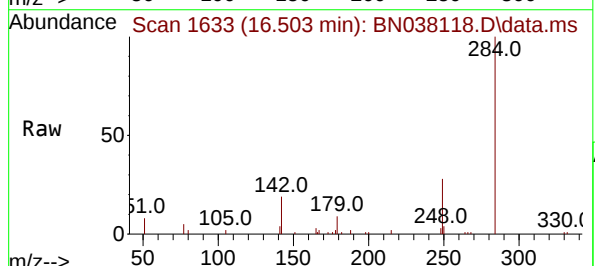
Instrument :
BNA_N
ClientSampleId :
ICVBN102825

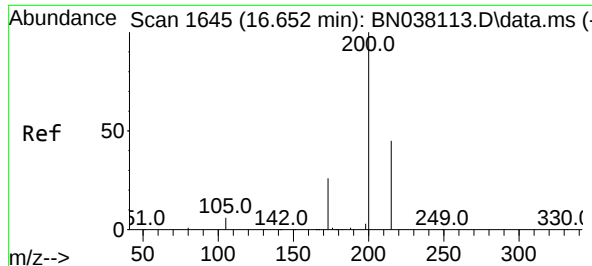
Tgt Ion	Ratio	Lower	Upper
248	100		
250	94.8	76.2	114.2
141	73.0	57.6	86.4



#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

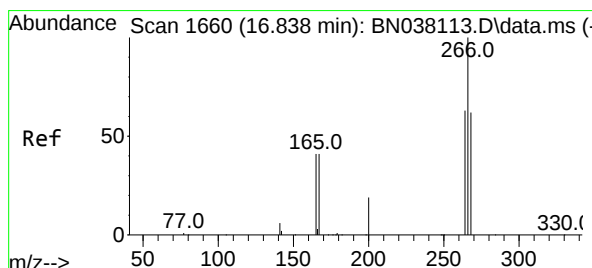
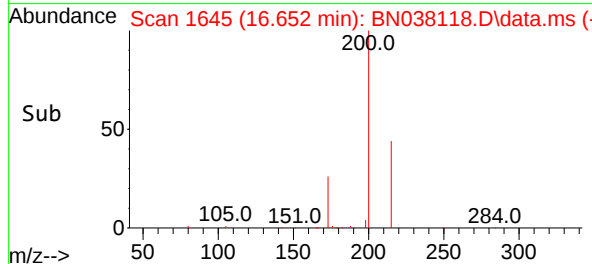
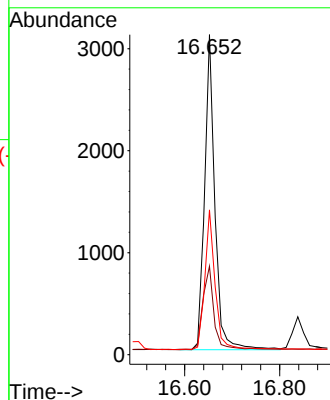
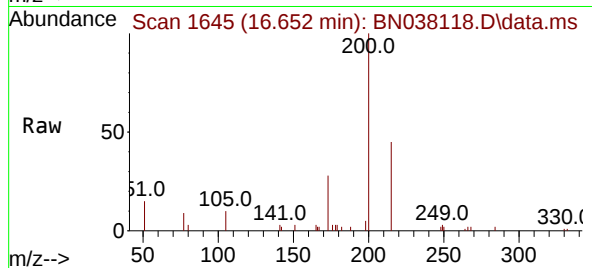




#23
Atrazine
Concen: 0.370 ng
RT: 16.652 min Scan# 1645
Delta R.T. 0.000 min
Lab File: BN038118.D
Acq: 28 Oct 2025 17:51

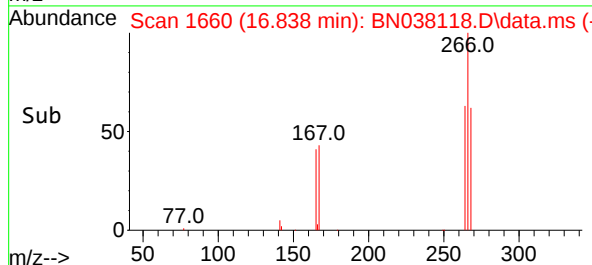
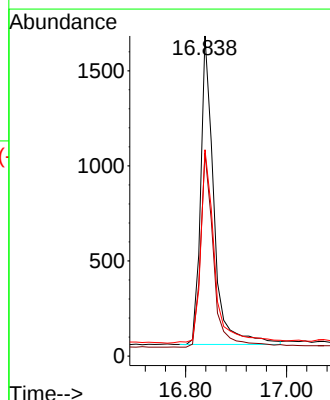
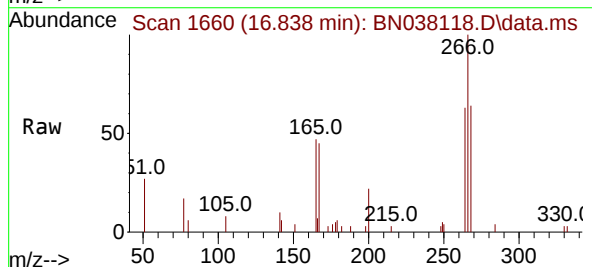
Instrument :
BNA_N
ClientSampleId :
ICVBN102825

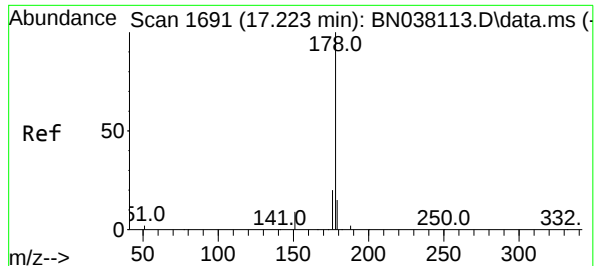
Tgt Ion:200 Resp: 4672
Ion Ratio Lower Upper
200 100
173 27.7 21.4 32.2
215 45.3 36.7 55.1



#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

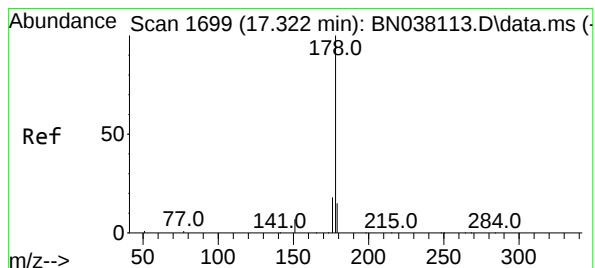
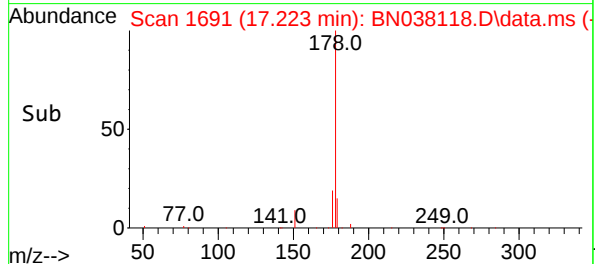
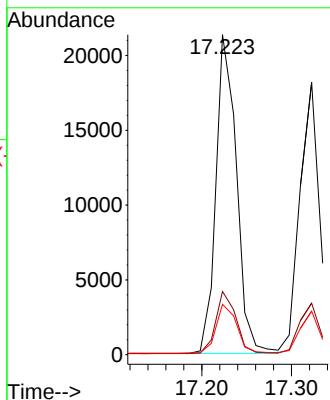
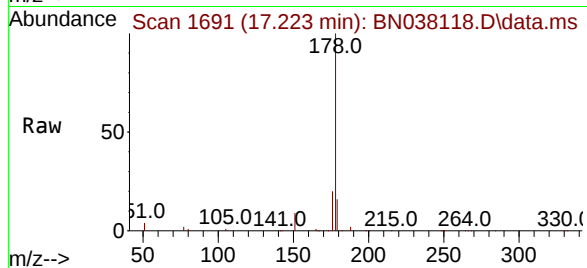




#25
Phenanthrene
Concen: 0.408 ng
RT: 17.223 min Scan# 1691
Delta R.T. 0.000 min
Lab File: BN038118.D
Acq: 28 Oct 2025 17:51

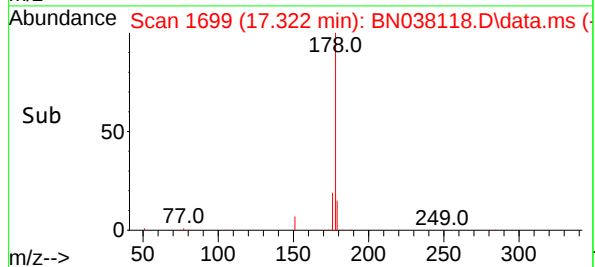
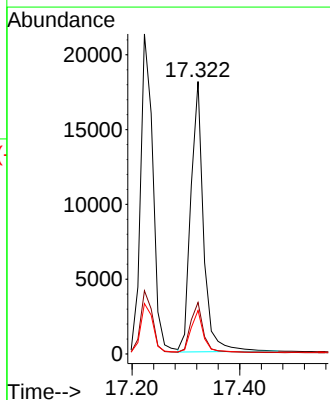
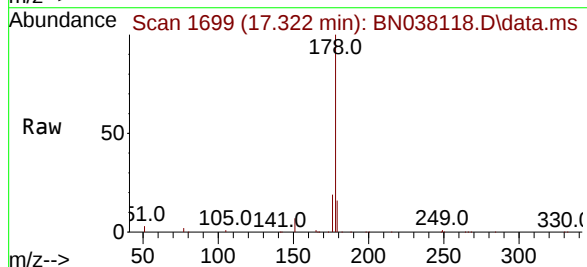
Instrument :
BNA_N
ClientSampleId :
ICVBN102825

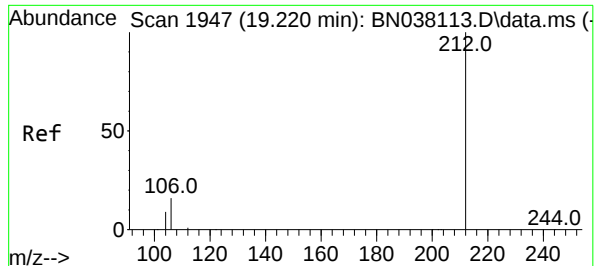
Tgt Ion:178 Resp: 33992
Ion Ratio Lower Upper
178 100
176 19.2 15.5 23.3
179 15.7 12.2 18.4



#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

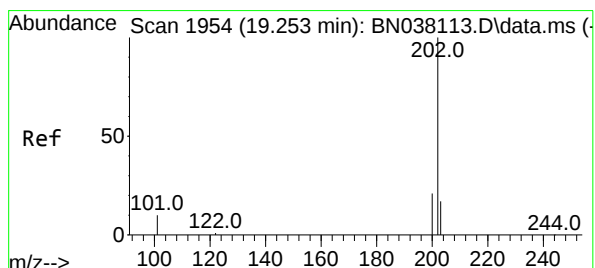
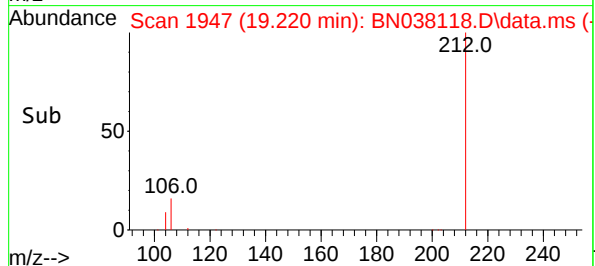
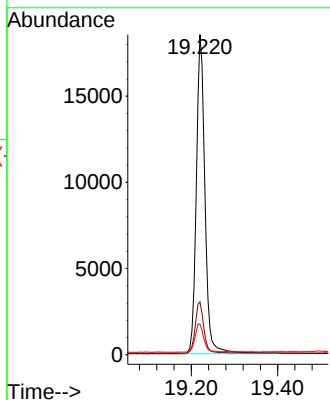
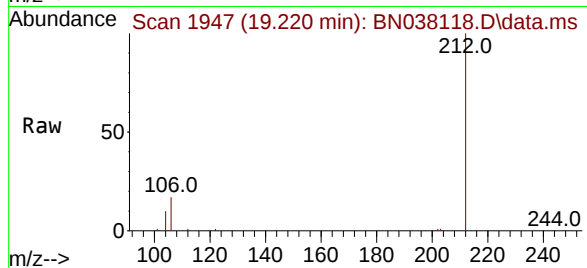




#27
Fluoranthene-d10
Concen: 0.389 ng
RT: 19.220 min Scan# 1947
Delta R.T. 0.000 min
Lab File: BN038118.D
Acq: 28 Oct 2025 17:51

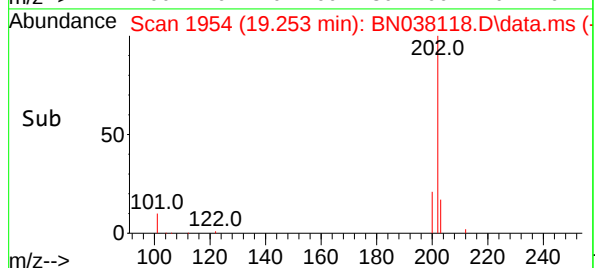
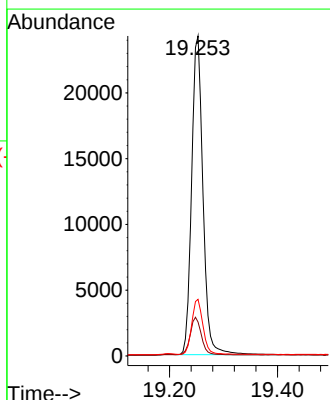
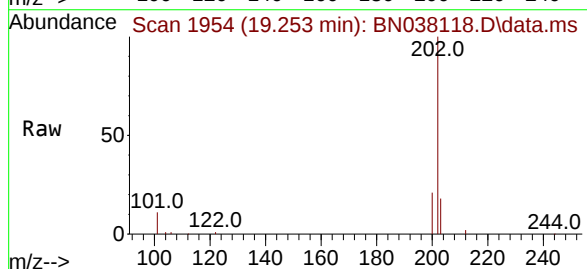
Instrument :
BNA_N
ClientSampleId :
ICVBN102825

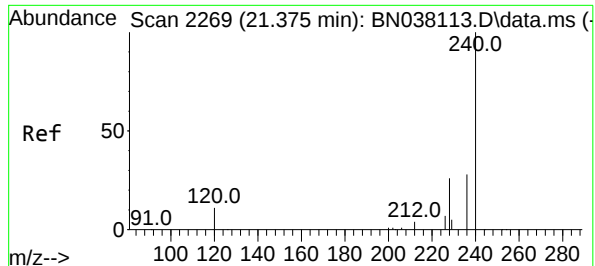
Tgt Ion	Ratio	Lower	Upper
212	100		
106	16.1	12.6	19.0
104	9.0	7.1	10.7



#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	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

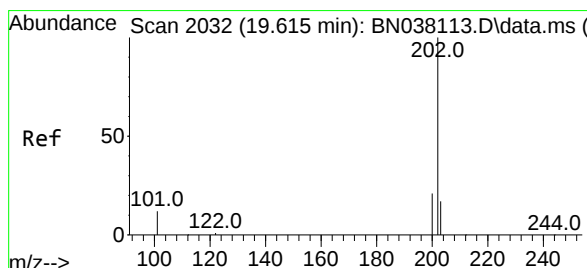
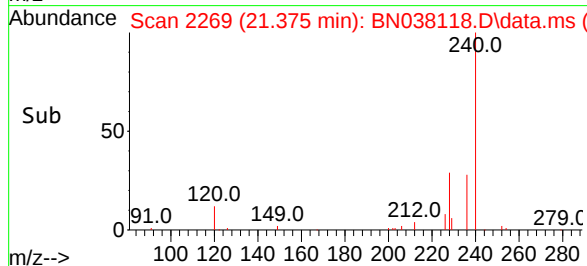
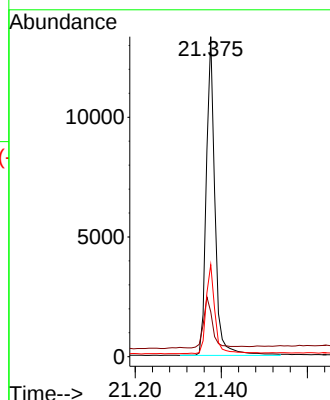
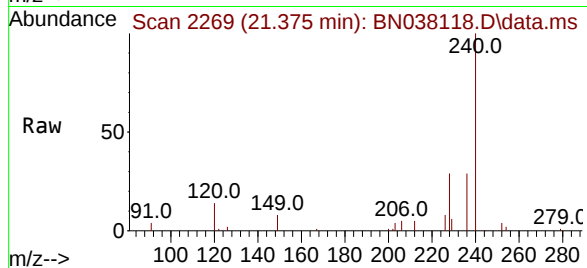
Tgt Ion:240 Resp: 18729

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

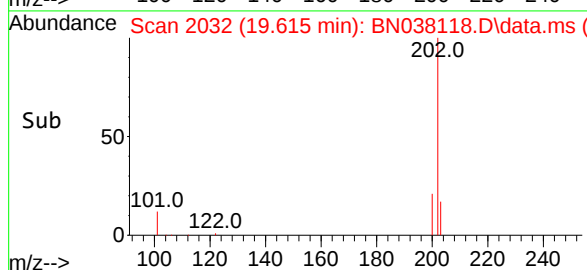
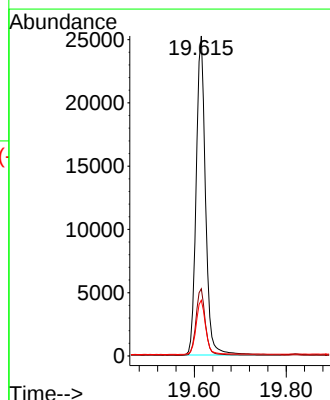
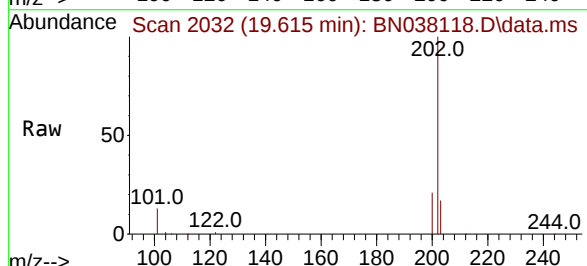
Tgt Ion:202 Resp: 35647

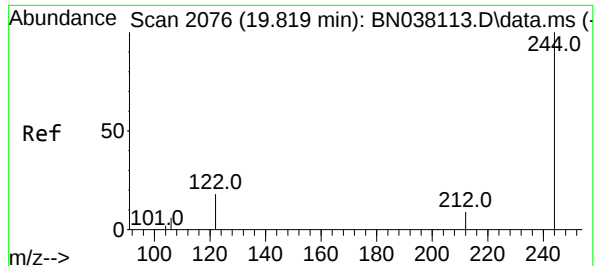
Ion Ratio Lower Upper

202 100

200 21.0 16.7 25.1

203 17.6 14.2 21.2

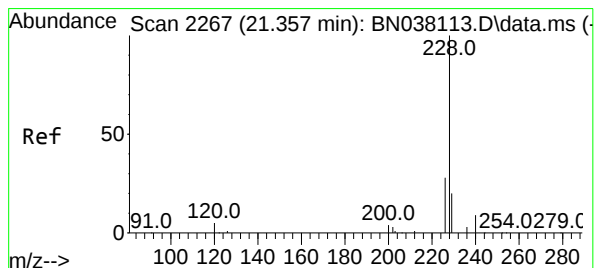
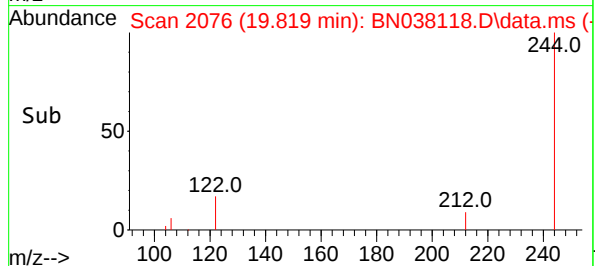
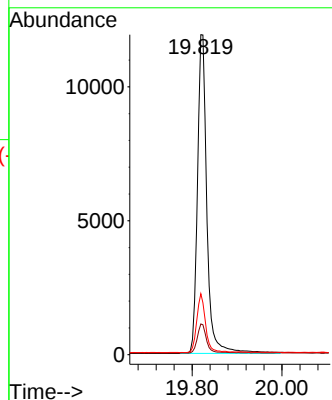
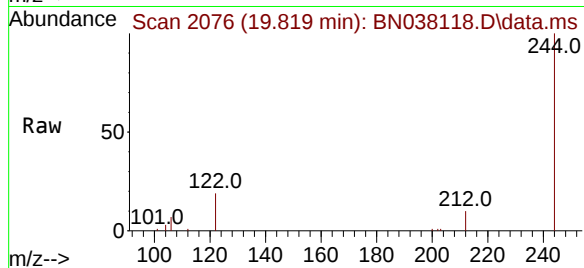




#31
Terphenyl-d14
Concen: 0.428 ng
RT: 19.819 min Scan# 2076
Delta R.T. 0.000 min
Lab File: BN038118.D
Acq: 28 Oct 2025 17:51

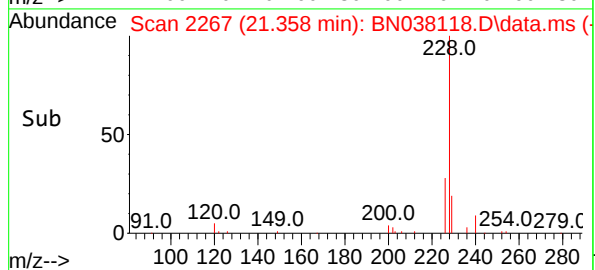
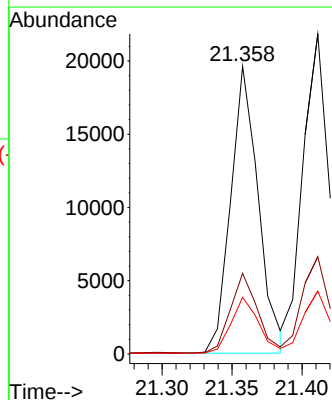
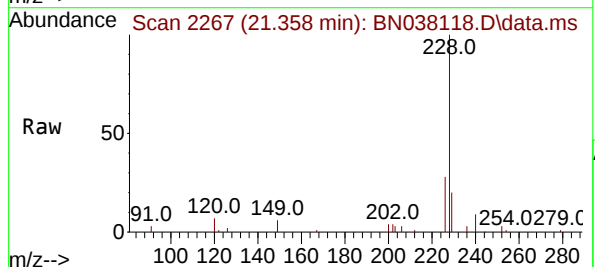
Instrument :
BNA_N
ClientSampleId :
ICVBN102825

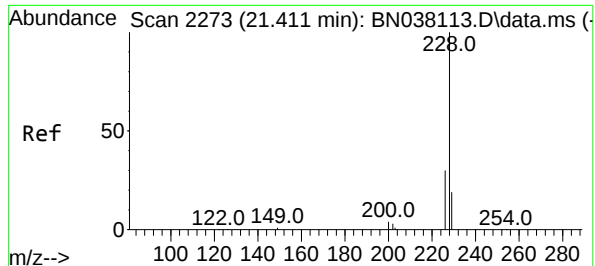
Tgt Ion:244 Resp: 17430
Ion Ratio Lower Upper
244 100
212 9.6 7.8 11.6
122 19.1 15.2 22.8



#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

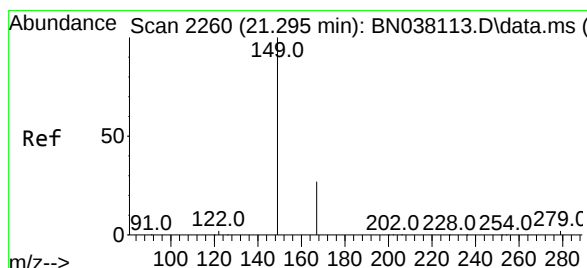
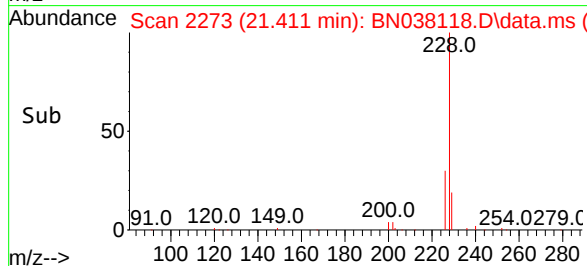
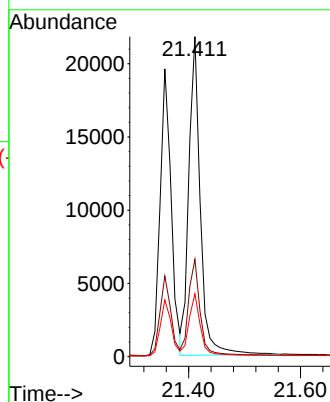
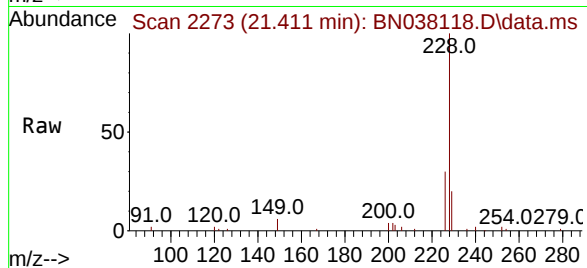
Tgt Ion:228 Resp: 31031

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

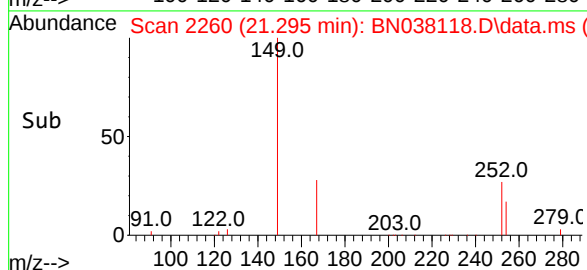
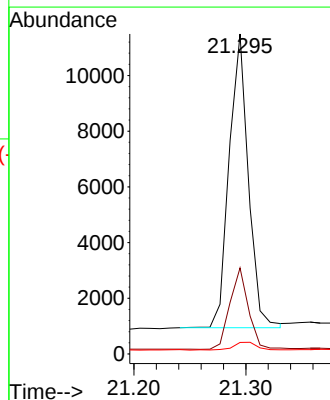
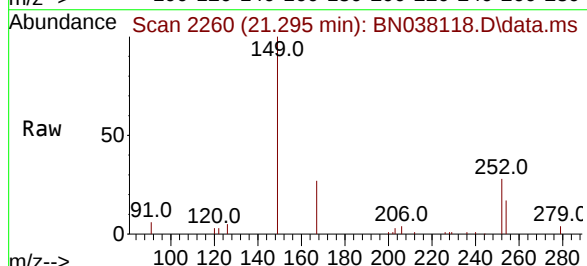
Tgt Ion:149 Resp: 12587

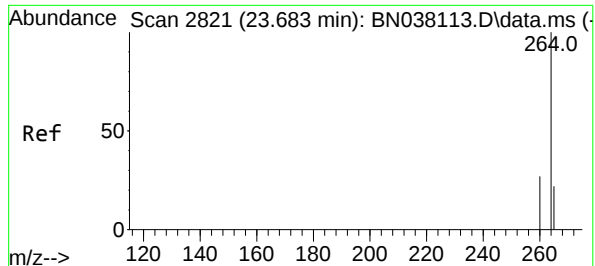
Ion Ratio Lower Upper

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

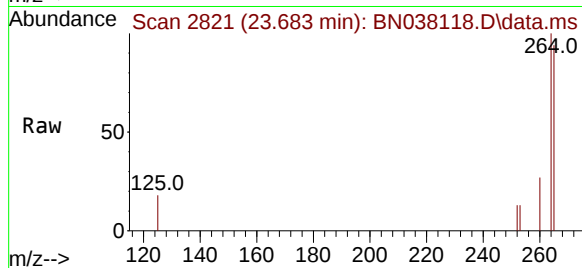
Acq: 28 Oct 2025 17:51

Instrument :

BNA_N

ClientSampleId :

ICVBN102825



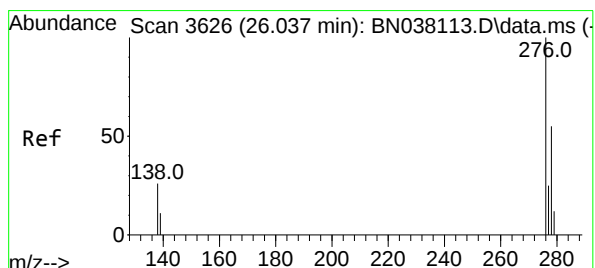
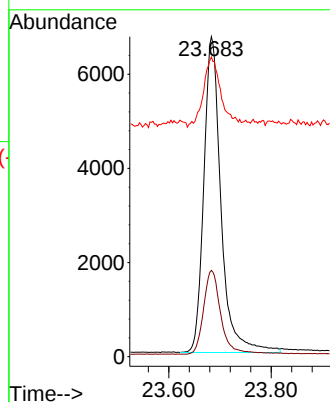
Tgt Ion:264 Resp: 15660

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

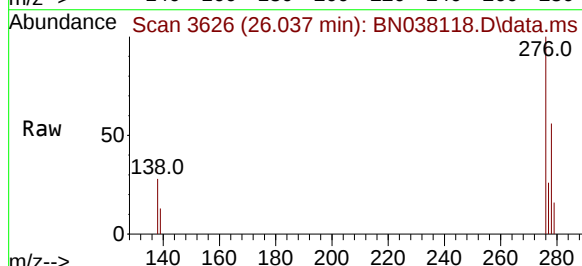
Concen: 0.406 ng

RT: 26.037 min Scan# 3626

Delta R.T. 0.003 min

Lab File: BN038118.D

Acq: 28 Oct 2025 17:51



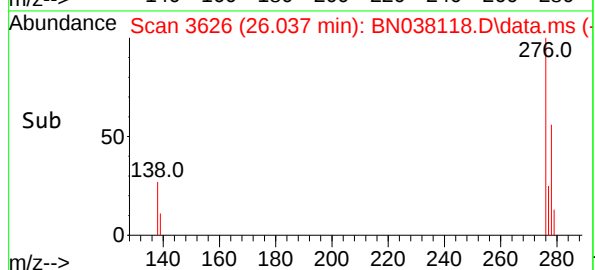
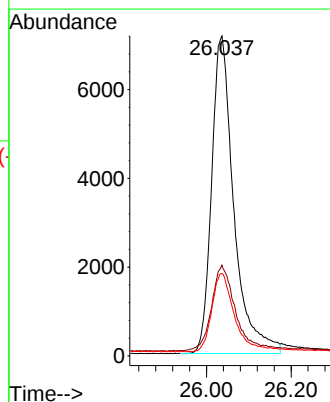
Tgt Ion:276 Resp: 26115

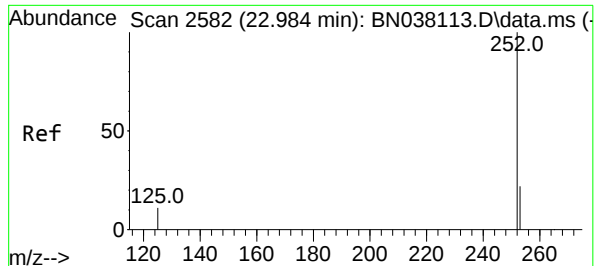
Ion Ratio Lower Upper

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

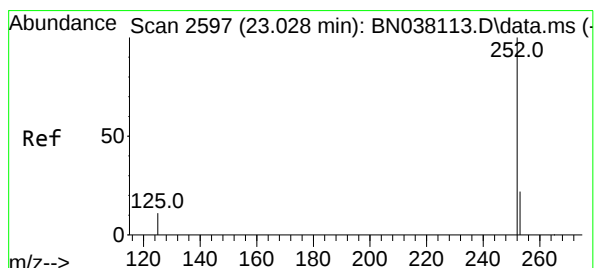
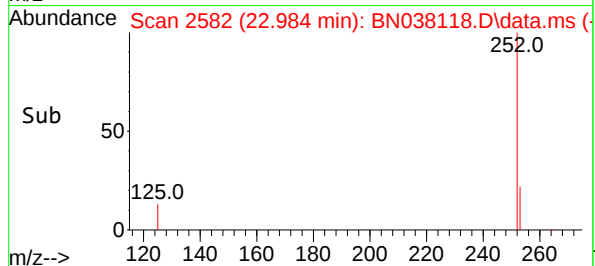
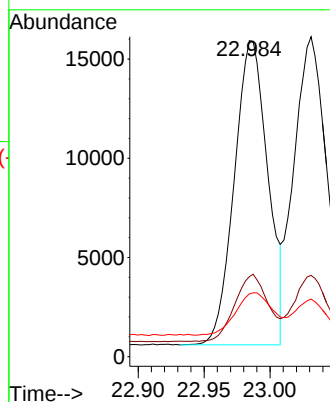
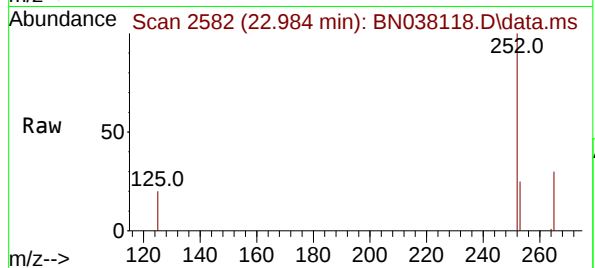
Tgt Ion:252 Resp: 27124

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

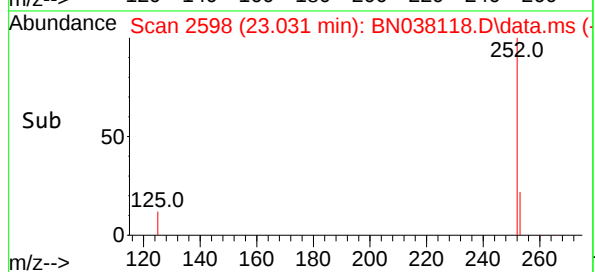
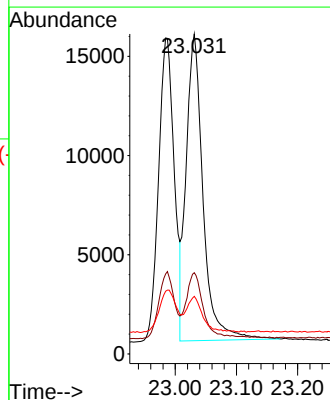
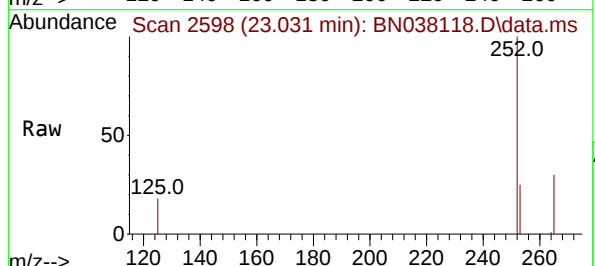
Tgt Ion:252 Resp: 29583

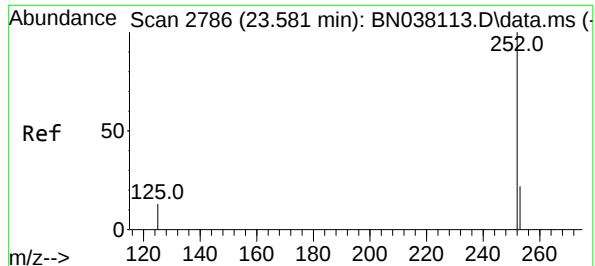
Ion Ratio Lower Upper

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

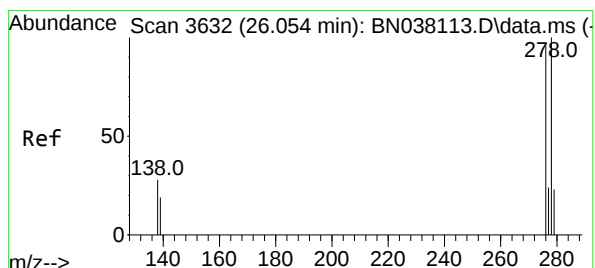
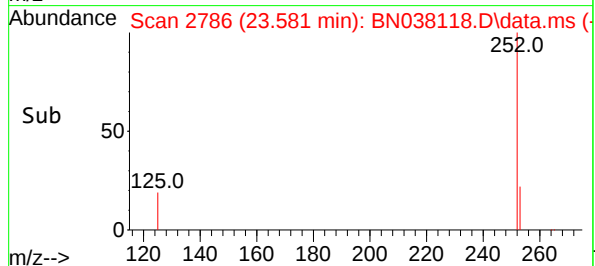
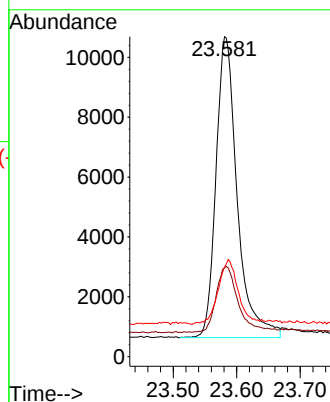
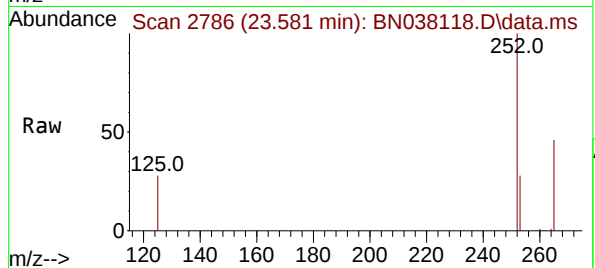
Tgt Ion:252 Resp: 23400

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

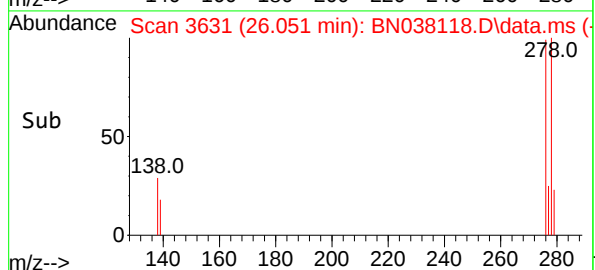
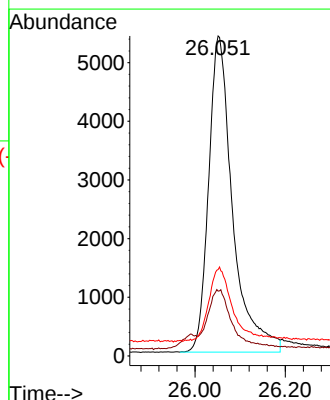
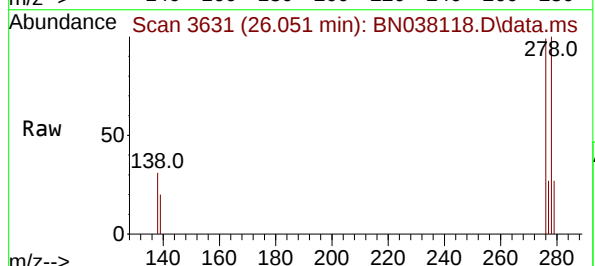
Tgt Ion:278 Resp: 19931

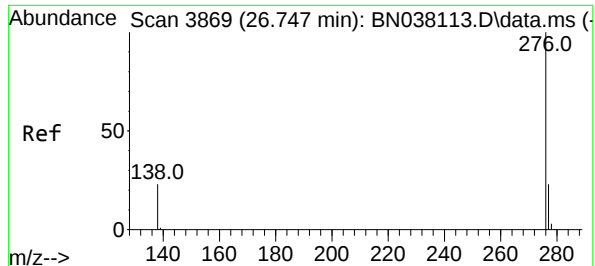
Ion Ratio Lower Upper

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

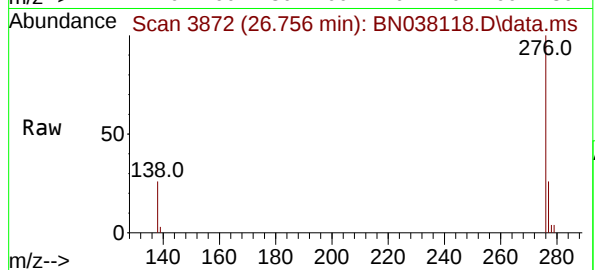
Acq: 28 Oct 2025 17:51

Instrument :

BNA_N

ClientSampleId :

ICVBN102825



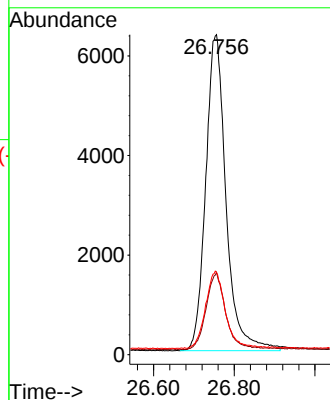
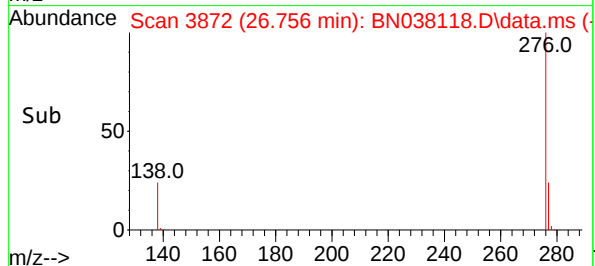
Tgt Ion:276 Resp: 22180

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 :
 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	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>Q3552</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)

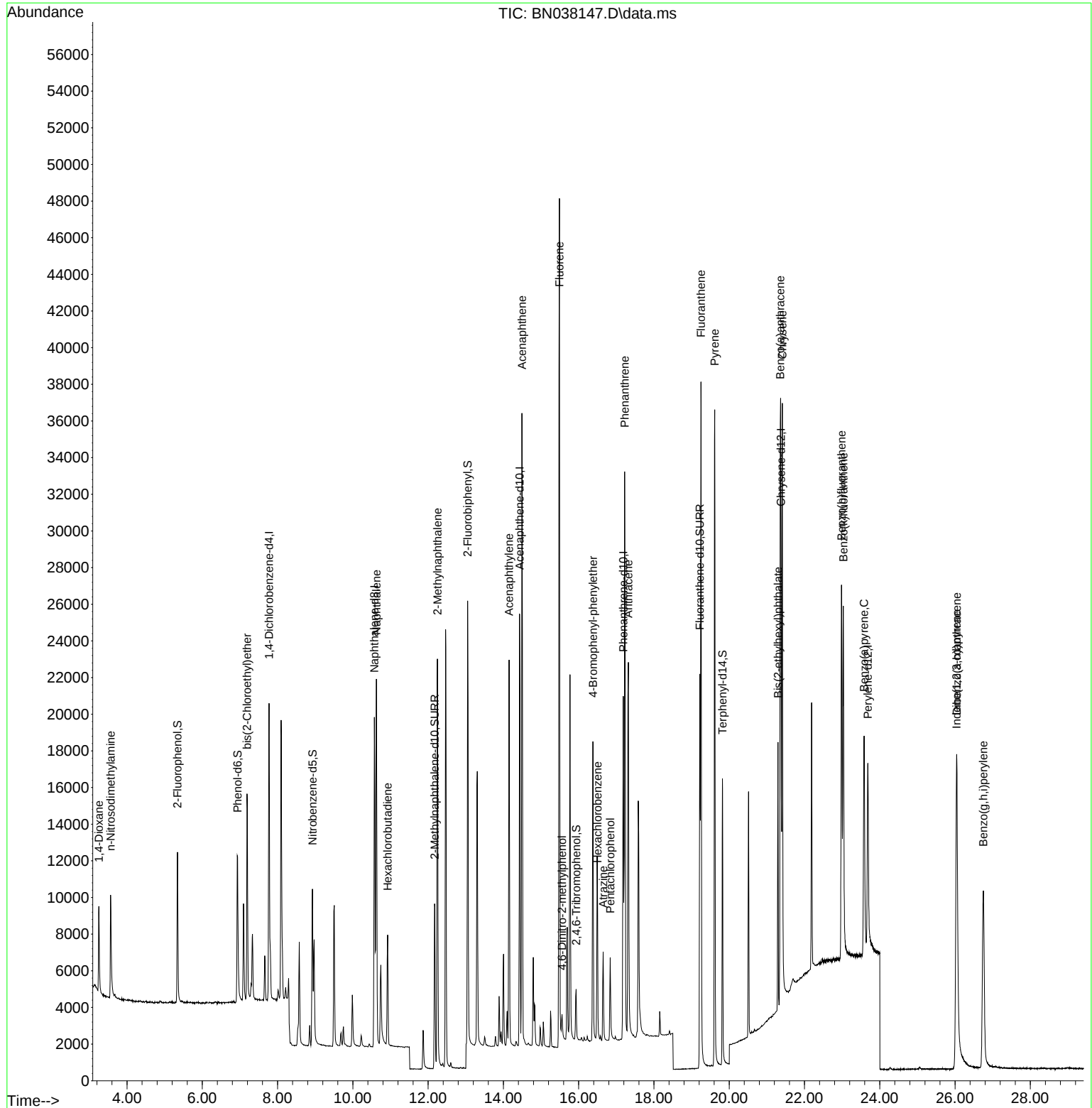
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.775	152	8319	0.400	ng	0.00
7) Naphthalene-d8	10.573	136	24620	0.400	ng	# 0.00
13) Acenaphthene-d10	14.430	164	13514	0.400	ng	0.00
19) Phenanthrene-d10	17.186	188	25821	0.400	ng	0.00
29) Chrysene-d12	21.375	240	19154	0.400	ng	0.00
35) Perylene-d12	23.683	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

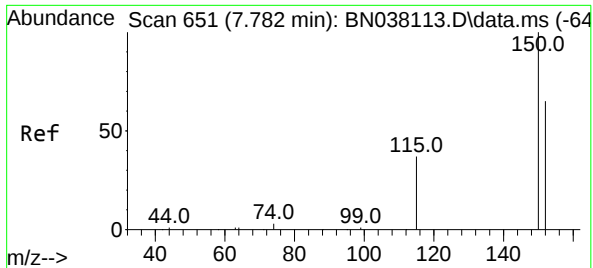
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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

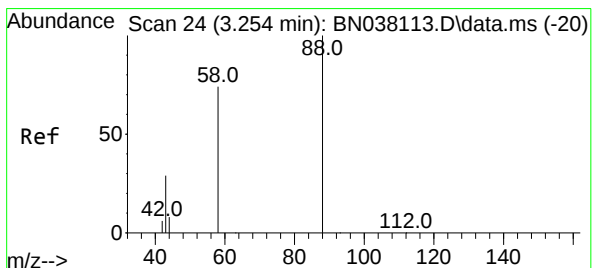
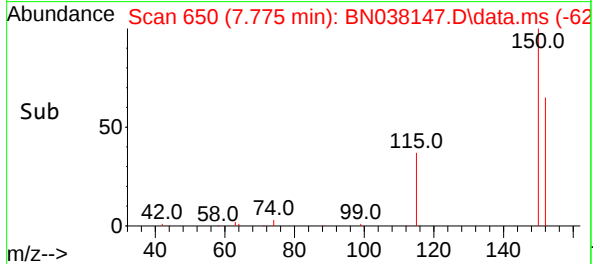
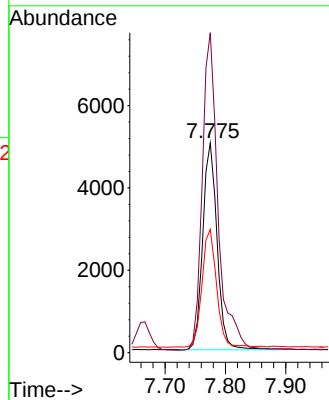
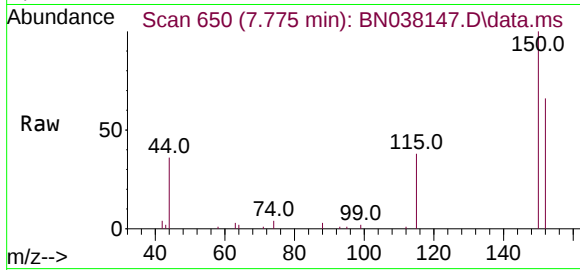




#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.775 min Scan# 61
Delta R.T. 0.000 min
Lab File: BN038147.D
Acq: 07 Nov 2025 09:39

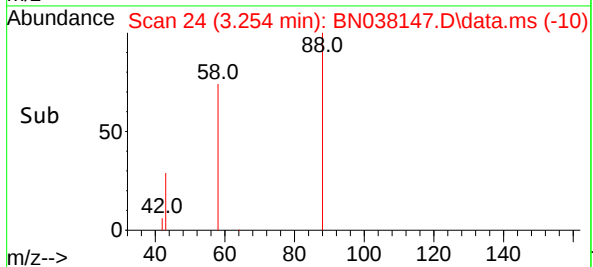
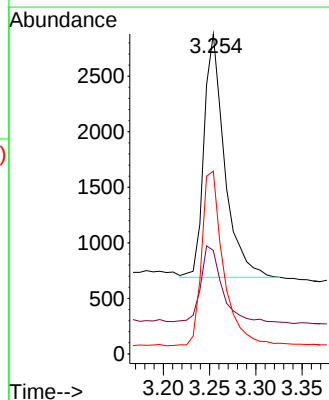
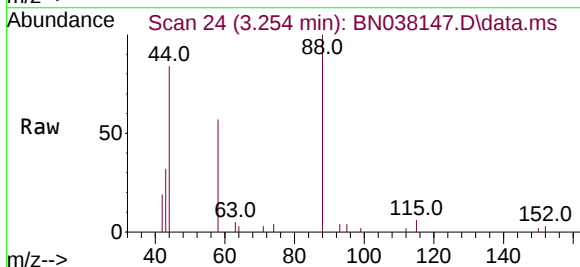
Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

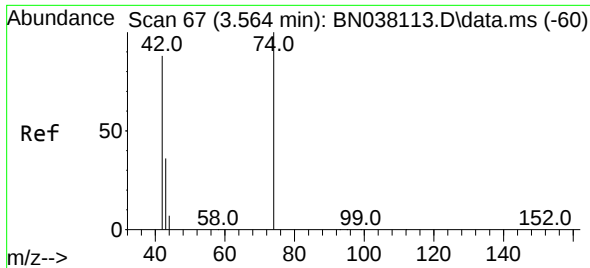
Tgt Ion:152 Resp: 8319
Ion Ratio Lower Upper
152 100
150 152.6 122.3 183.5
115 58.7 47.4 71.0



#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

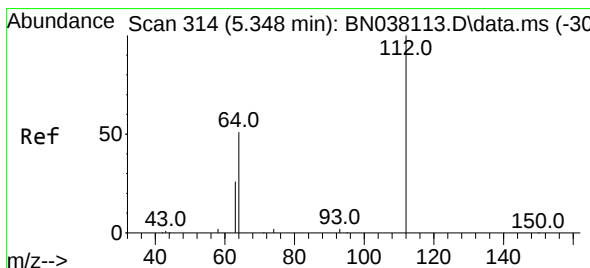
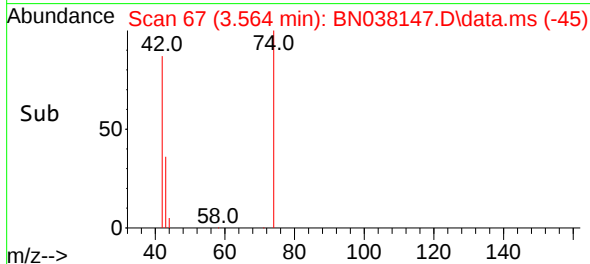
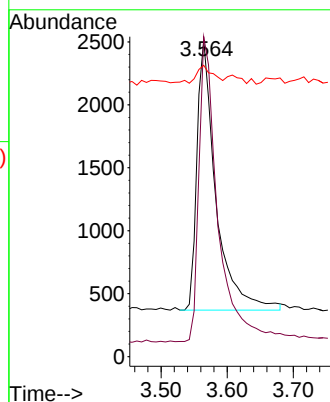
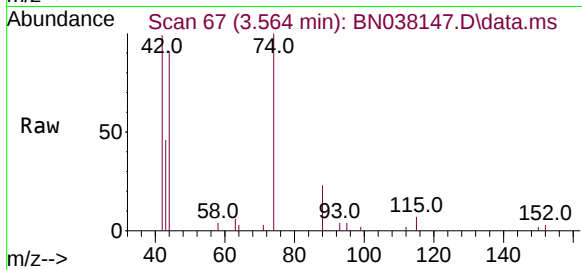




#3
 n-Nitrosodimethylamine
 Concen: 0.386 ng
 RT: 3.564 min Scan# 61
 Delta R.T. 0.007 min
 Lab File: BN038147.D
 Acq: 07 Nov 2025 09:39

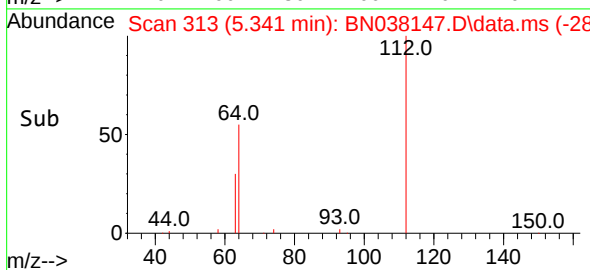
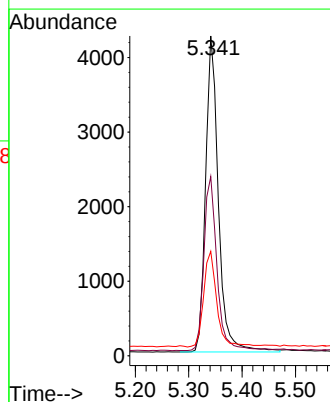
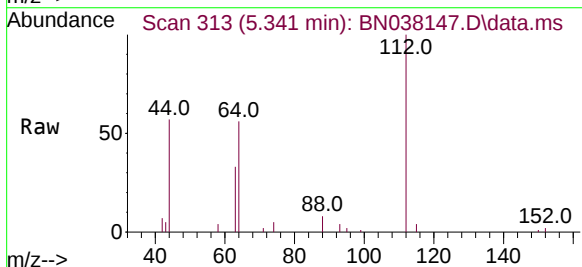
Instrument :
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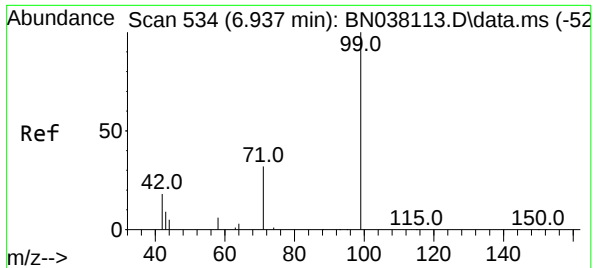
Tgt Ion: 42 Resp: 4272
 Ion Ratio Lower Upper
 42 100
 74 112.7 96.8 145.2
 44 5.0 5.3 7.9#



#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

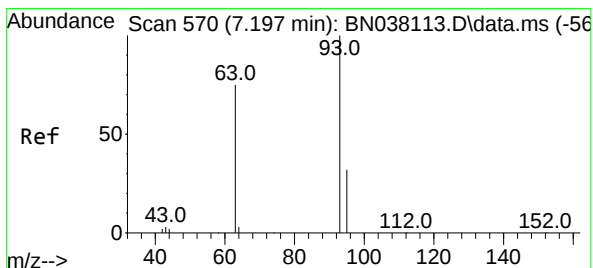
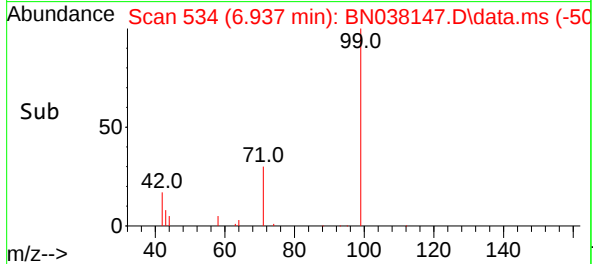
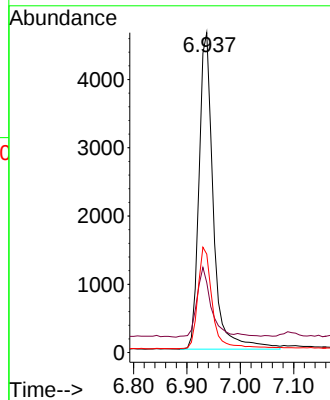
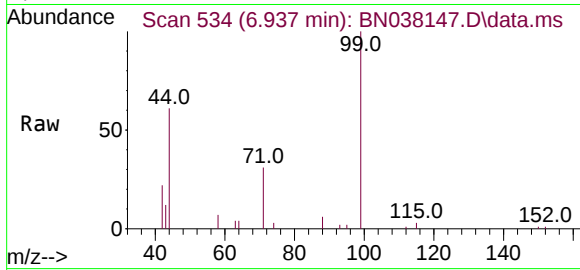




#5
Phenol-d6
Concen: 0.361 ng
RT: 6.937 min Scan# 534
Delta R.T. 0.000 min
Lab File: BN038147.D
Acq: 07 Nov 2025 09:39

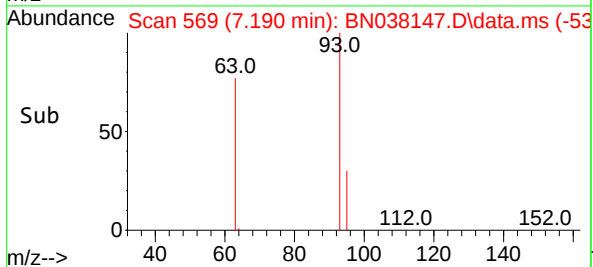
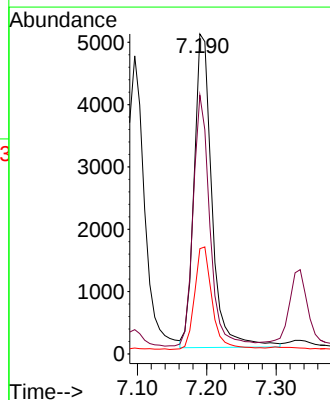
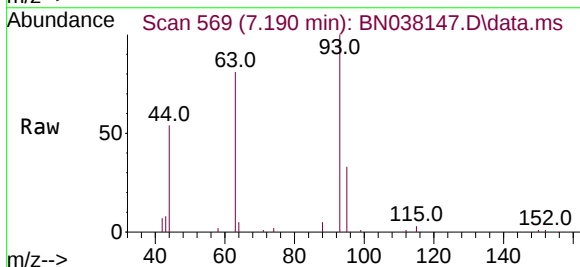
Instrument :
BNA_N
ClientSampleId :
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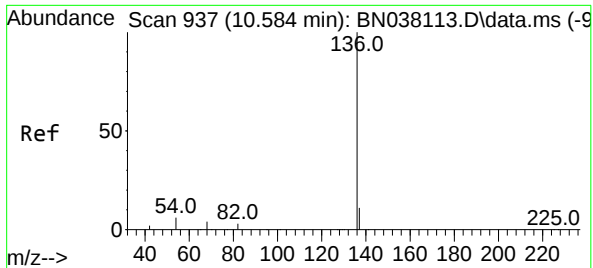
Tgt Ion: 99 Resp: 8616
Ion Ratio Lower Upper
99 100
42 21.7 16.6 24.8
71 33.1 25.4 38.2



#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

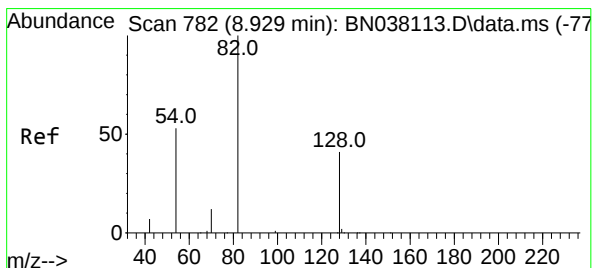
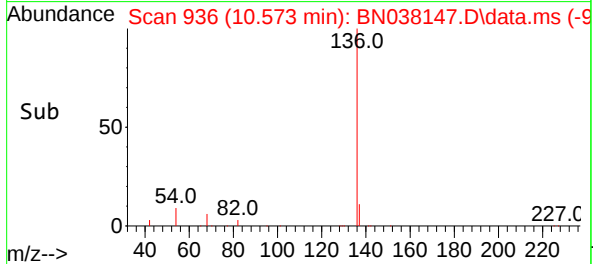
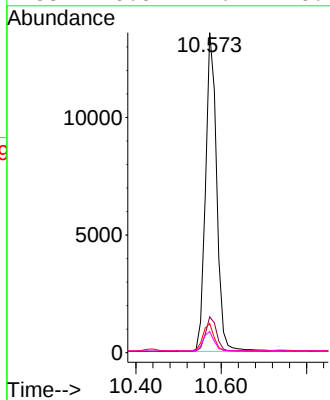
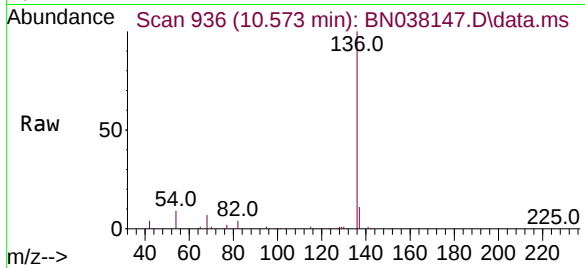




#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.573 min Scan# 937
Delta R.T. 0.000 min
Lab File: BN038147.D
Acq: 07 Nov 2025 09:39

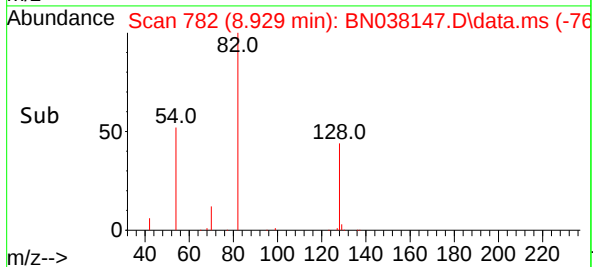
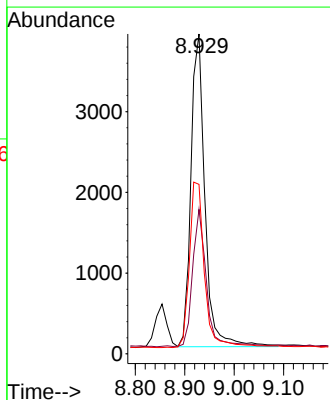
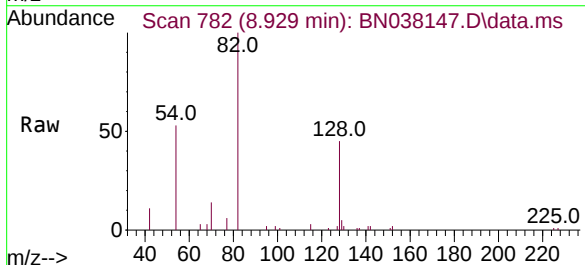
Instrument :
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ClientSampleId :
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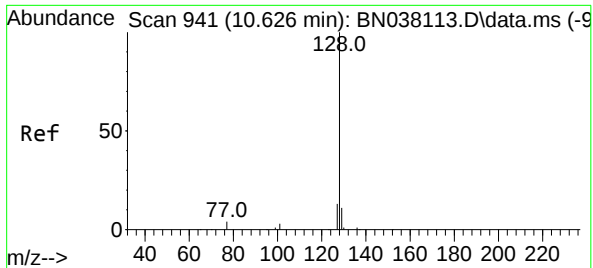
Tgt Ion:136 Resp: 24620
Ion Ratio Lower Upper
136 100
137 11.2 9.0 13.4
54 9.1 5.2 7.8#
68 6.6 4.1 6.1#



#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

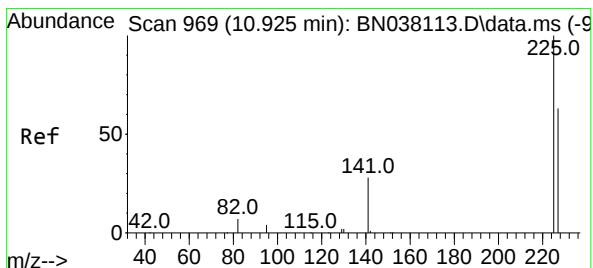
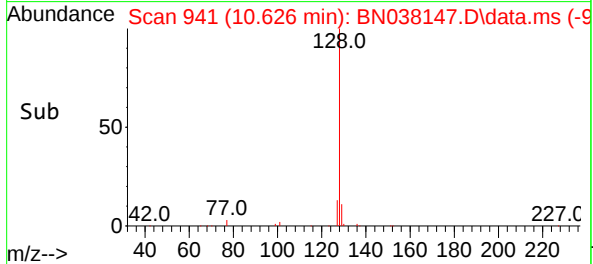
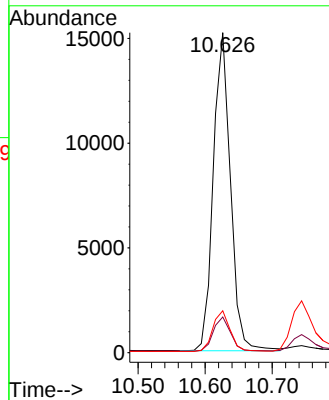
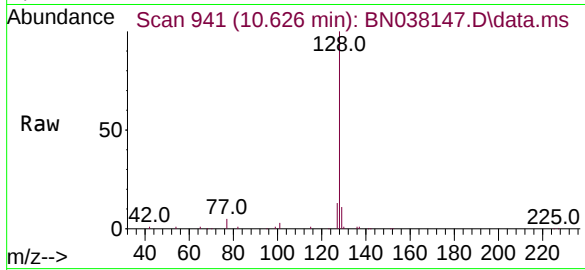




#9
Naphthalene
Concen: 0.397 ng
RT: 10.626 min Scan# 941
Delta R.T. 0.000 min
Lab File: BN038147.D
Acq: 07 Nov 2025 09:39

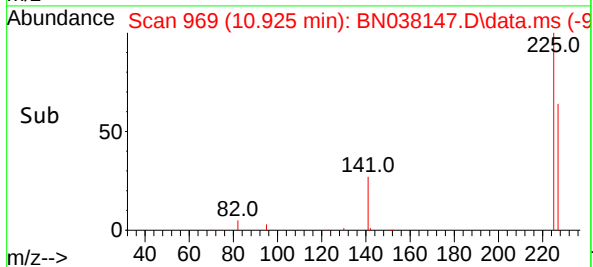
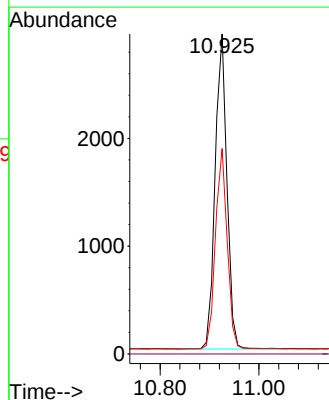
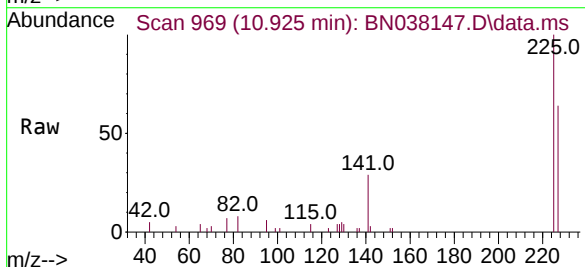
Instrument :
BNA_N
ClientSampleId :
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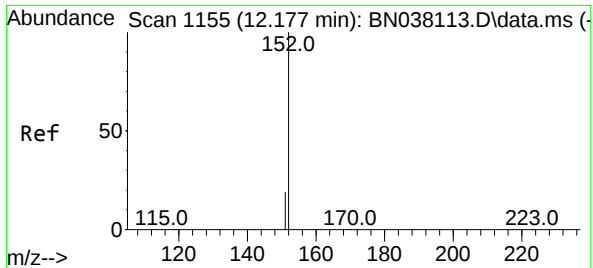
Tgt Ion	128	129	127
Resp:	26943		
Ion Ratio	100	11.1	13.1
Lower		9.1	10.5
Upper		13.7	15.7



#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

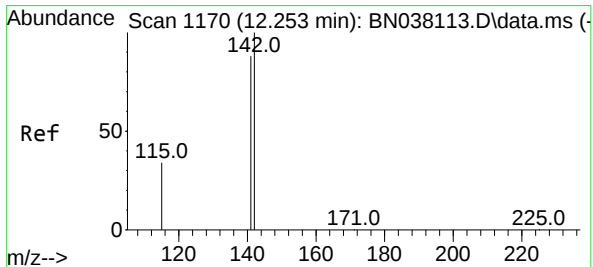
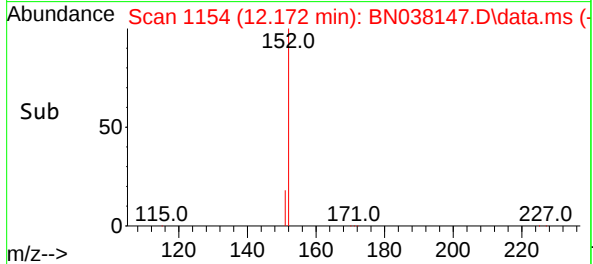
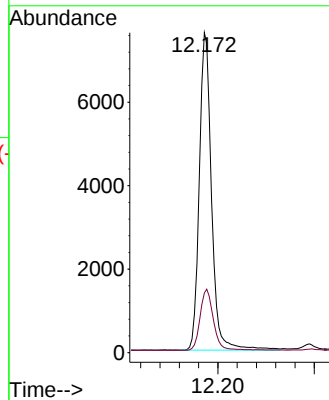
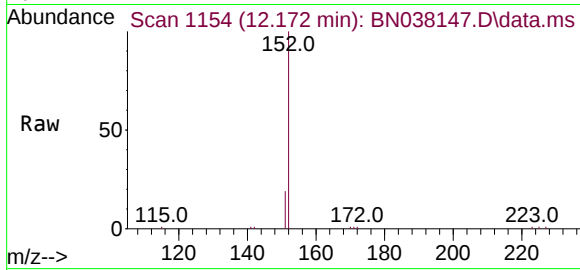




#11
2-Methylnaphthalene-d10
Concen: 0.382 ng
RT: 12.172 min Scan# 1154
Delta R.T. -0.005 min
Lab File: BN038147.D
Acq: 07 Nov 2025 09:39

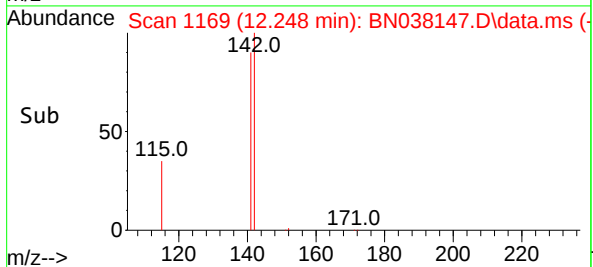
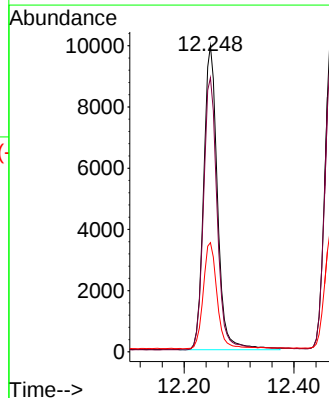
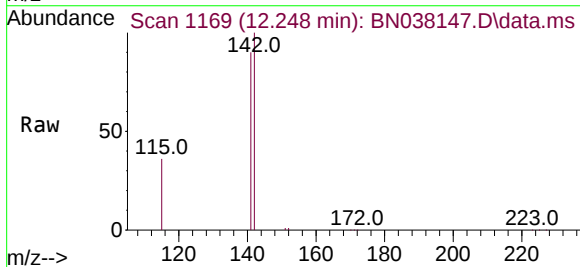
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ClientSampleId :
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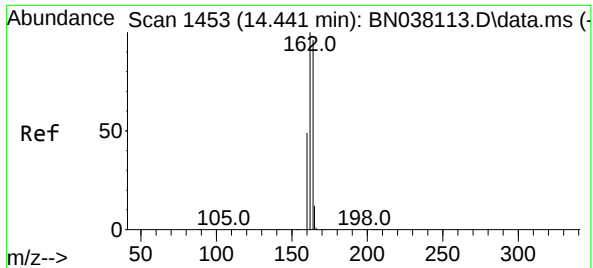
Tgt Ion:152 Resp: 13426
Ion Ratio Lower Upper
152 100
151 20.8 16.8 25.2



#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

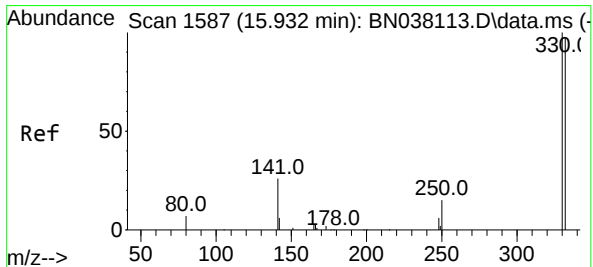
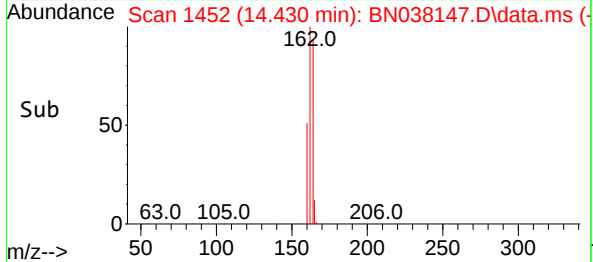
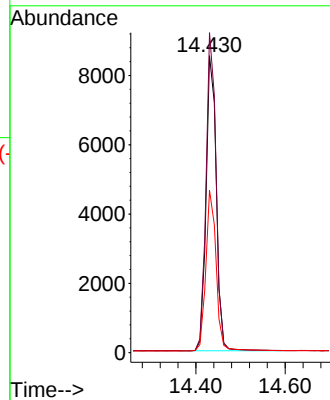
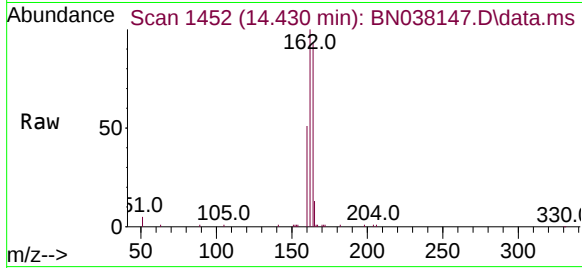




#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.430 min Scan# 1452
Delta R.T. 0.000 min
Lab File: BN038147.D
Acq: 07 Nov 2025 09:39

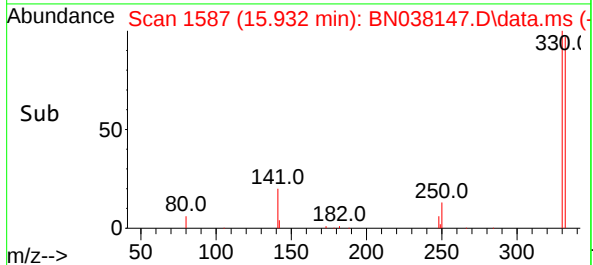
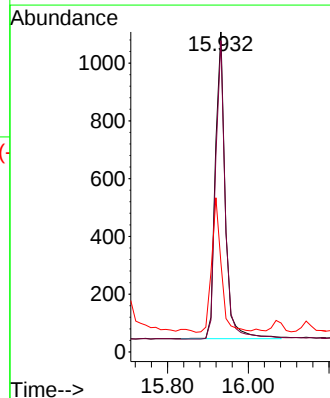
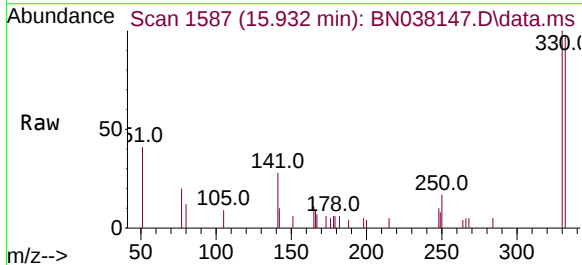
Instrument :
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ClientSampleId :
SSTDCCC0.4

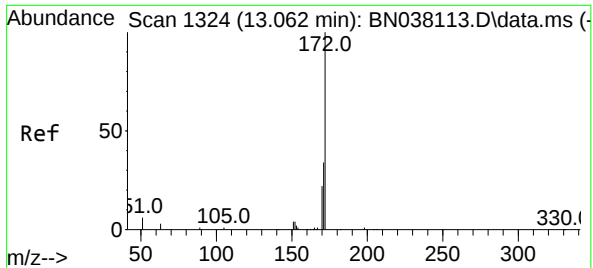
Tgt Ion:164 Resp: 13514
Ion Ratio Lower Upper
164 100
162 107.8 83.0 124.4
160 54.7 40.7 61.1



#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

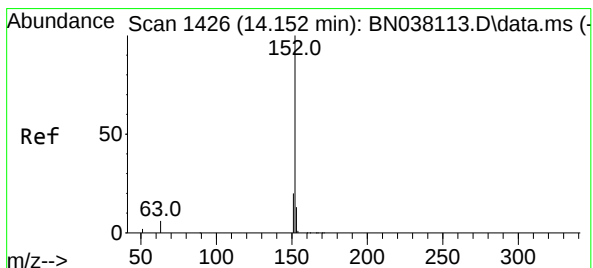
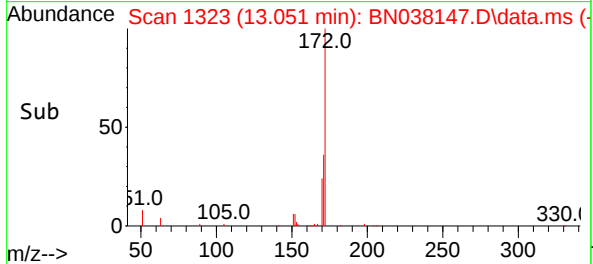
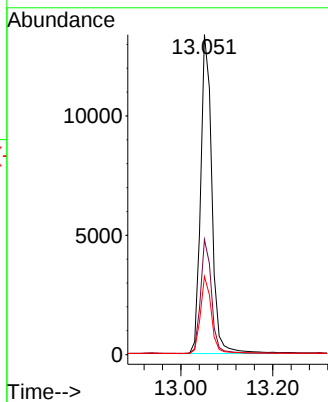
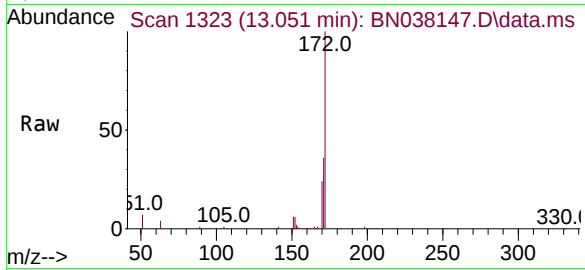




#15
2-Fluorobiphenyl
Concen: 0.389 ng
RT: 13.051 min Scan# 1323
Delta R.T. 0.000 min
Lab File: BN038147.D
Acq: 07 Nov 2025 09:39

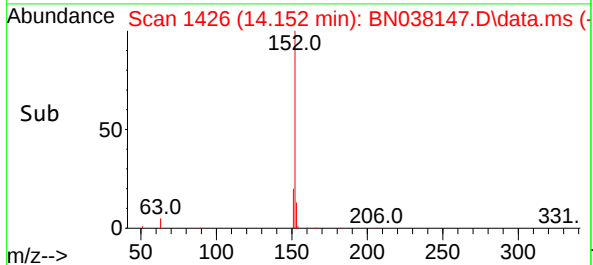
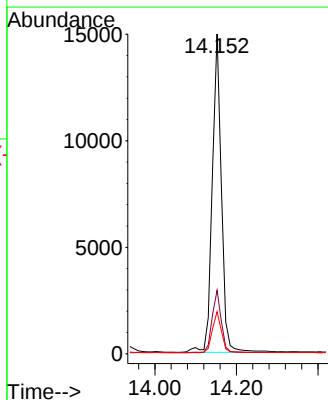
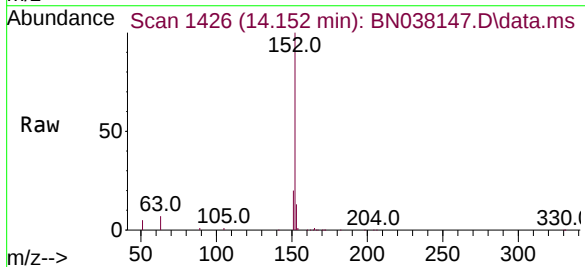
Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

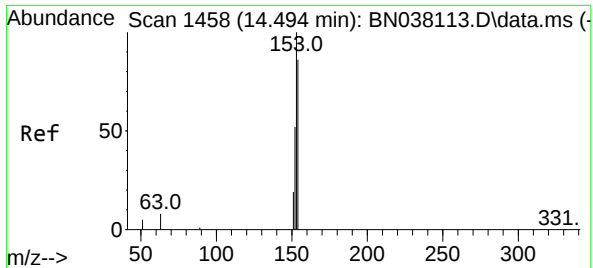
Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.0	27.8	41.6
170	24.4	18.1	27.1



#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

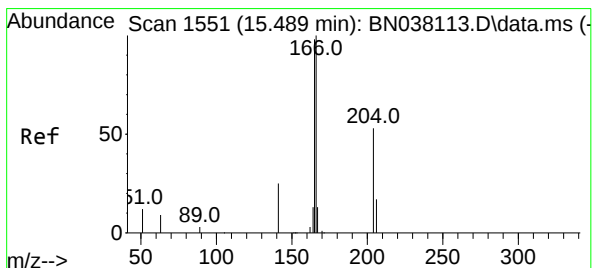
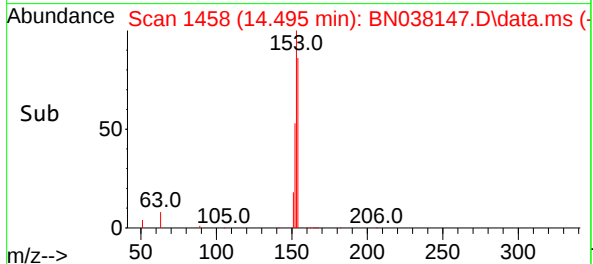
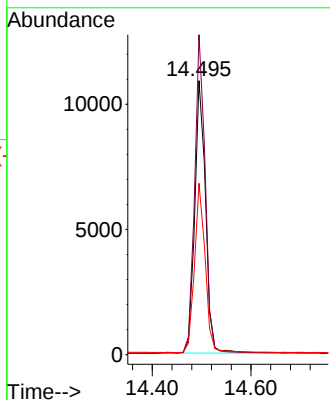
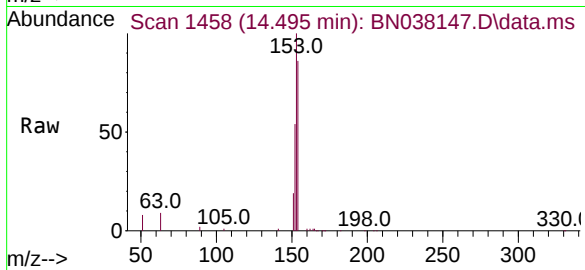




#17
Acenaphthene
Concen: 0.387 ng
RT: 14.495 min Scan# 1458
Delta R.T. 0.000 min
Lab File: BN038147.D
Acq: 07 Nov 2025 09:39

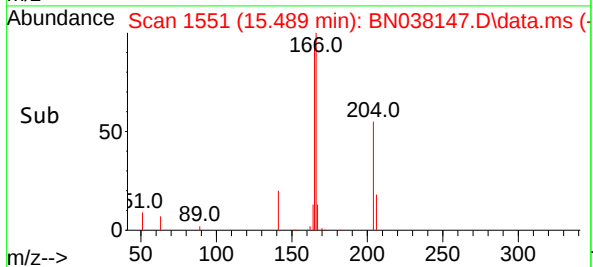
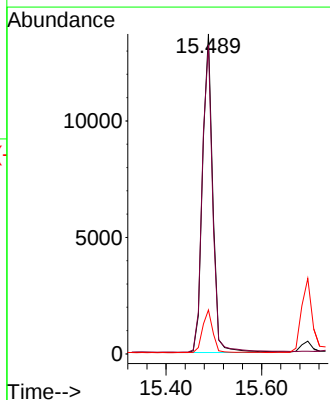
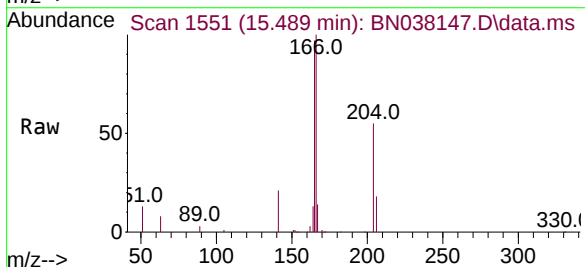
Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

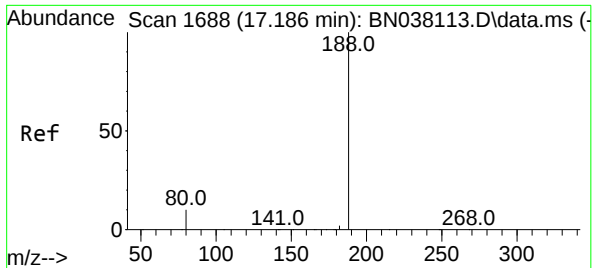
Tgt Ion:154 Resp: 16587
Ion Ratio Lower Upper
154 100
153 114.2 90.0 135.0
152 61.8 47.3 70.9



#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

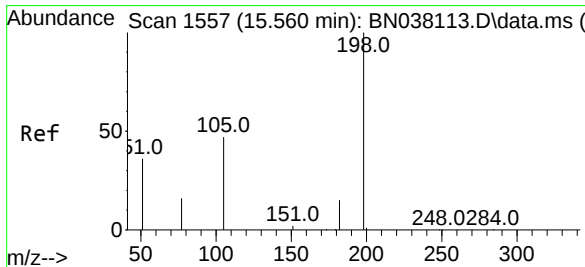
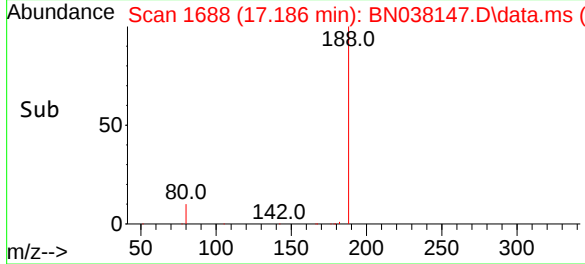
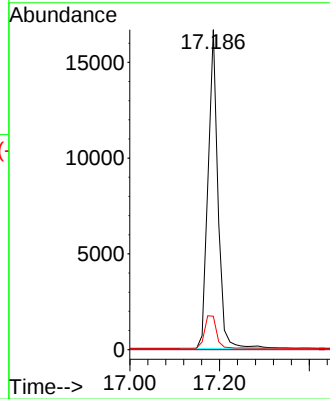
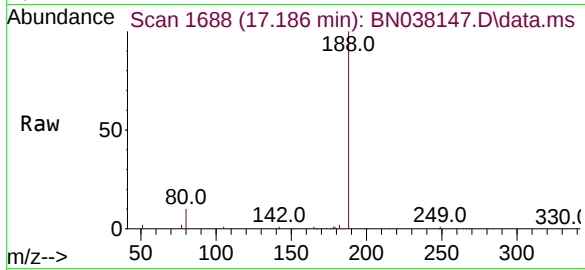
Tgt Ion:188 Resp: 25821

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

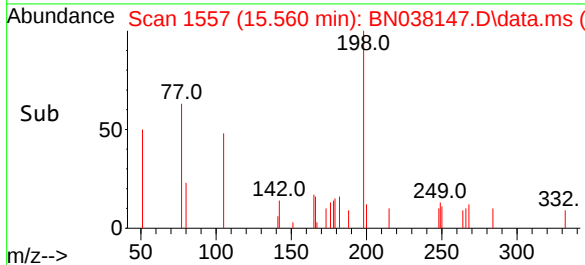
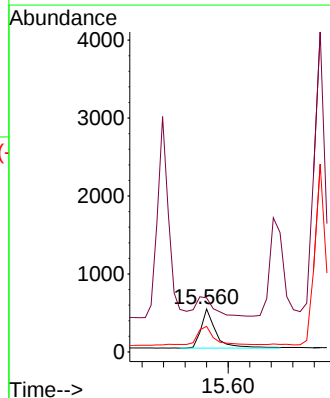
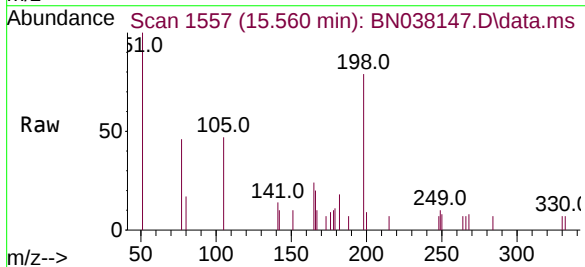
Tgt Ion:198 Resp: 954

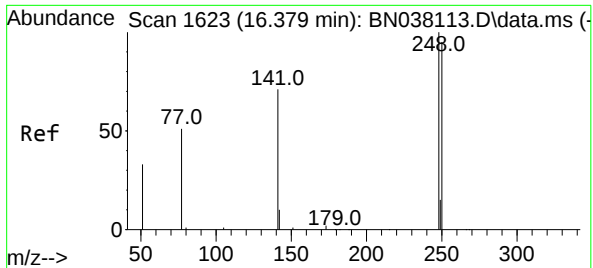
Ion Ratio Lower Upper

198 100

51 126.0 88.9 133.3

105 59.3 49.2 73.8

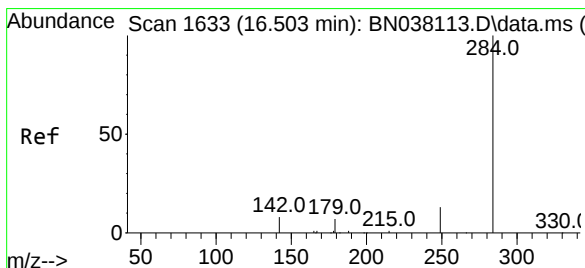
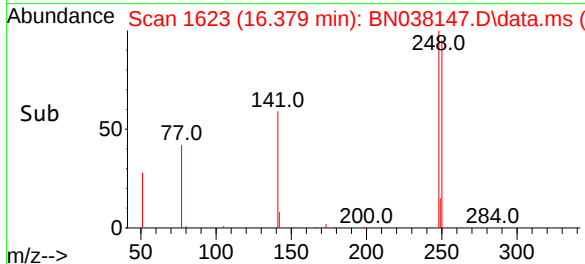
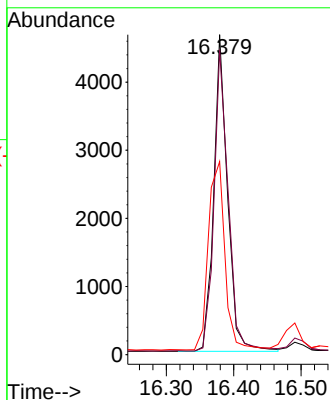
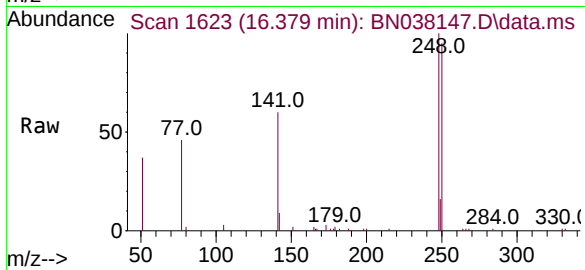




#21
4-Bromophenyl-phenylether
Concen: 0.393 ng
RT: 16.379 min Scan# 1623
Delta R.T. 0.000 min
Lab File: BN038147.D
Acq: 07 Nov 2025 09:39

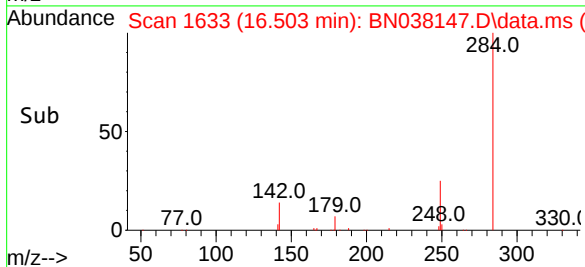
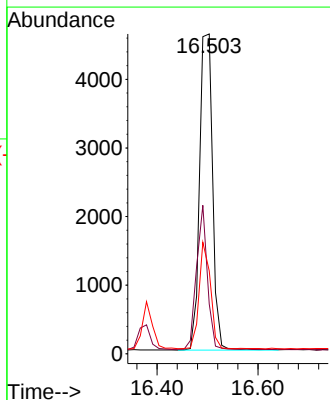
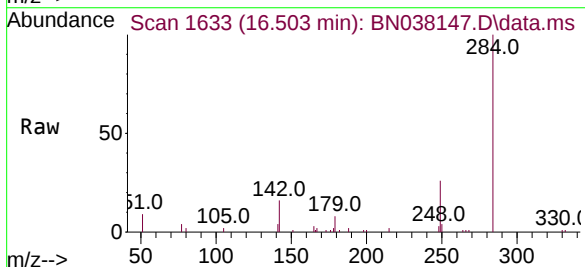
Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

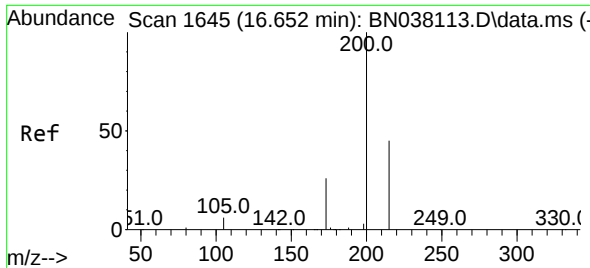
Tgt Ion	Ratio	Lower	Upper
248	100		
250	95.3	76.2	114.2
141	60.3	57.6	86.4



#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

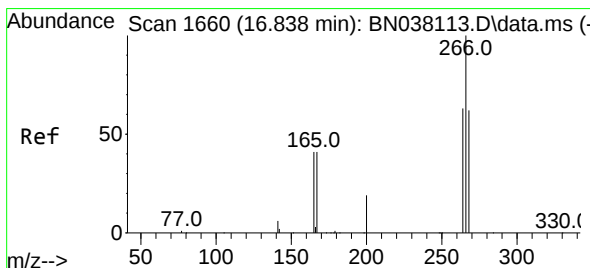
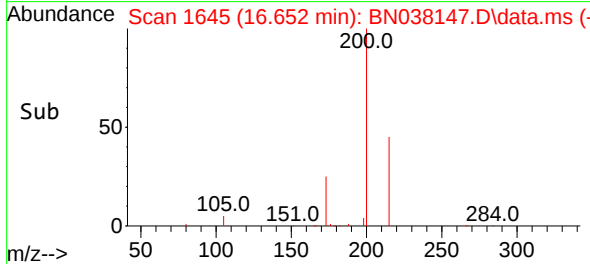
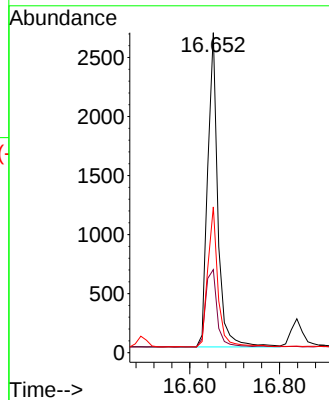
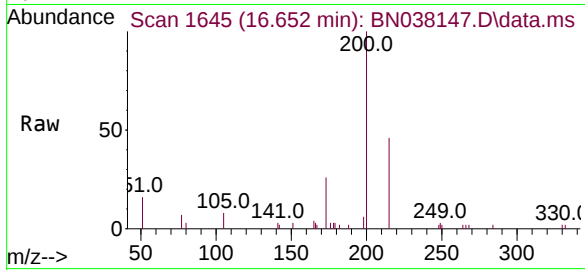




#23
Atrazine
Concen: 0.340 ng
RT: 16.652 min Scan# 1645
Delta R.T. 0.000 min
Lab File: BN038147.D
Acq: 07 Nov 2025 09:39

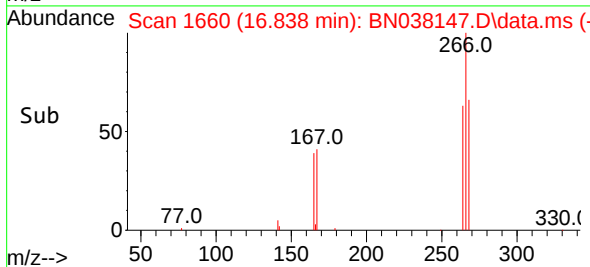
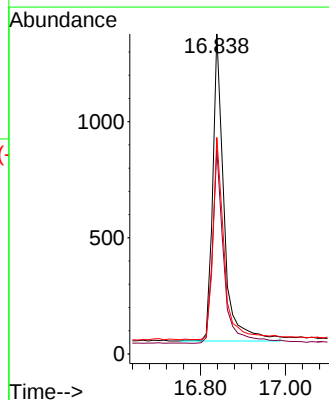
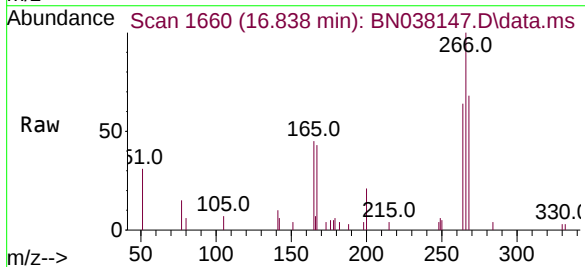
Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

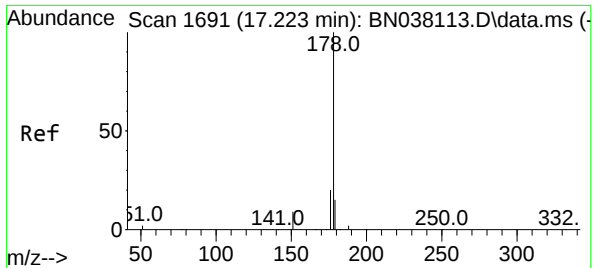
Tgt Ion:200 Resp: 4216
Ion Ratio Lower Upper
200 100
173 25.9 21.4 32.2
215 45.6 36.7 55.1



#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:266 Resp: 2443
Ion Ratio Lower Upper
266 100
264 62.9 49.3 73.9
268 65.3 50.6 75.8

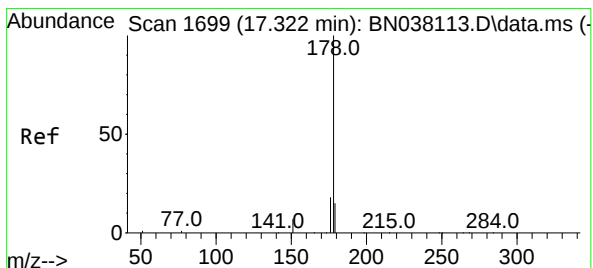
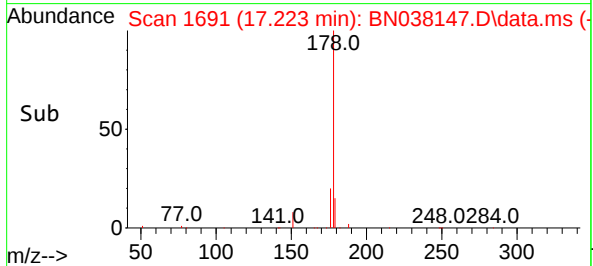
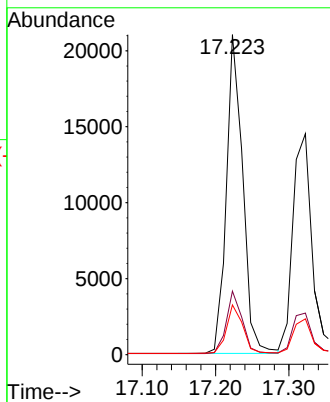
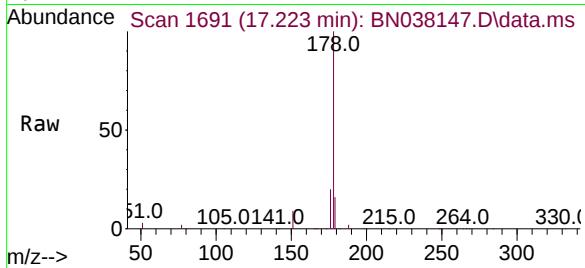




#25
Phenanthrene
Concen: 0.398 ng
RT: 17.223 min Scan# 1691
Delta R.T. 0.000 min
Lab File: BN038147.D
Acq: 07 Nov 2025 09:39

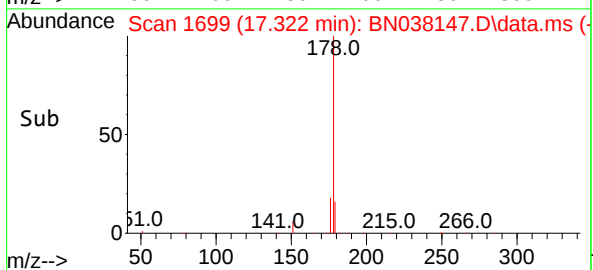
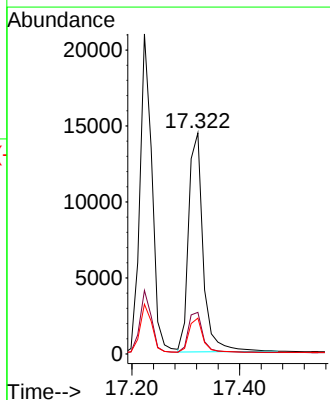
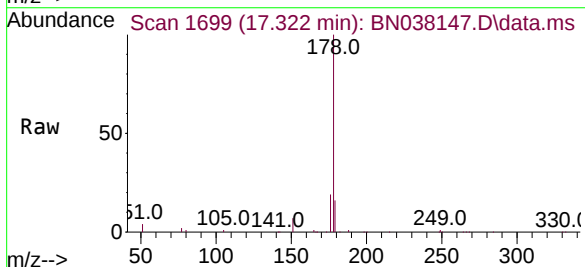
Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

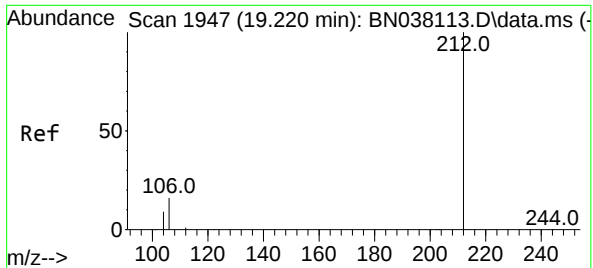
Tgt Ion:178 Resp: 32586
Ion Ratio Lower Upper
178 100
176 19.2 15.5 23.3
179 15.3 12.2 18.4



#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

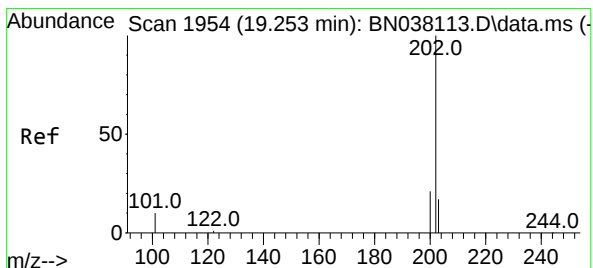
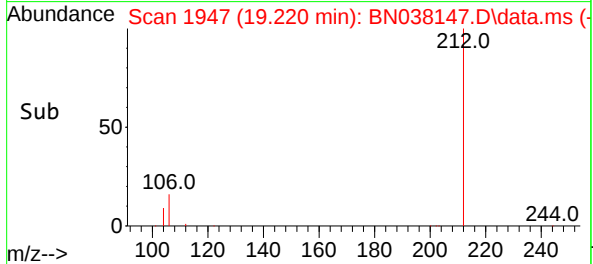
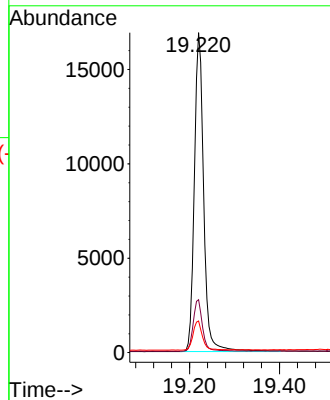
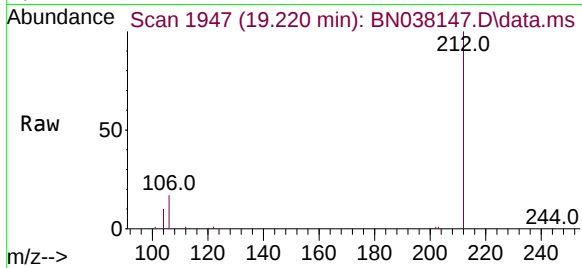




#27
Fluoranthene-d10
Concen: 0.376 ng
RT: 19.220 min Scan# 1947
Delta R.T. 0.000 min
Lab File: BN038147.D
Acq: 07 Nov 2025 09:39

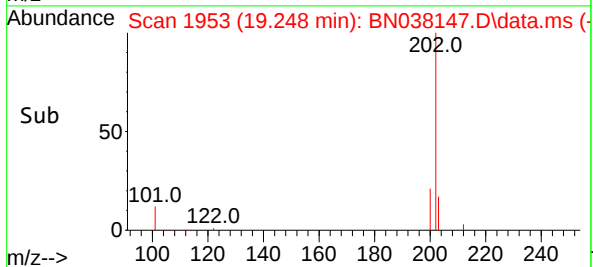
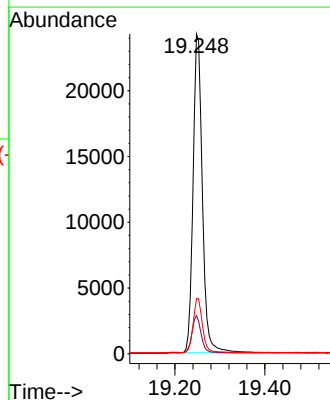
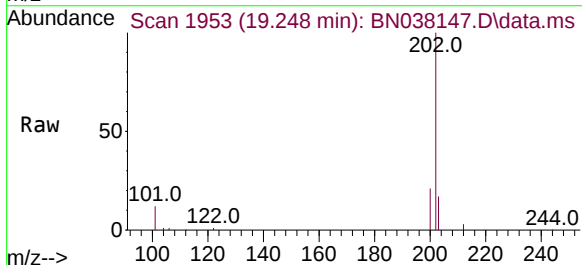
Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

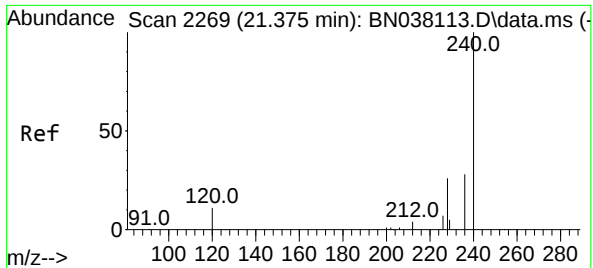
Tgt Ion	Ratio	Lower	Upper
212	100		
106	16.1	12.6	19.0
104	9.2	7.1	10.7



#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

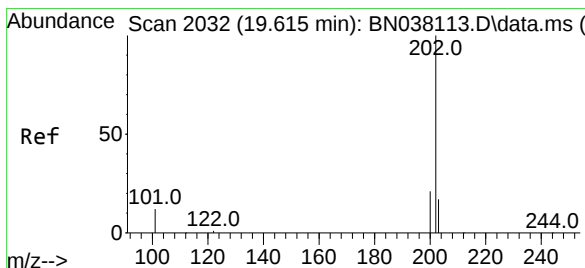
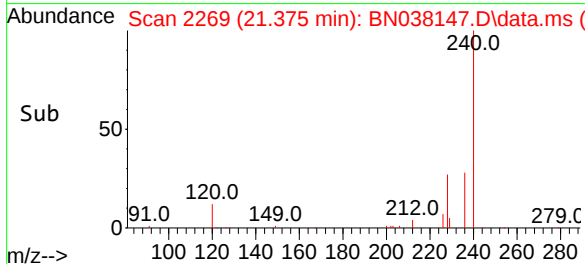
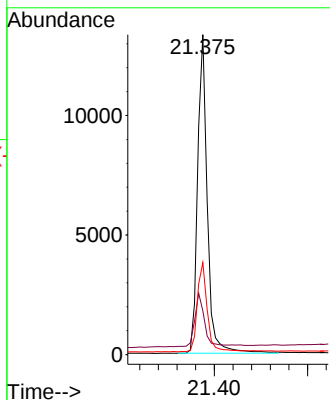
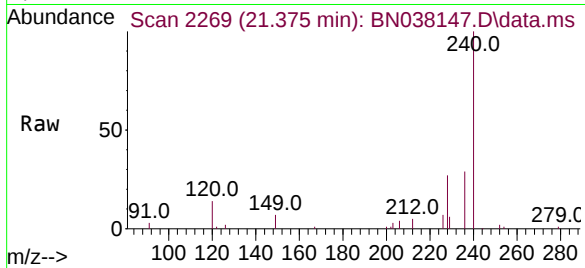




#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.375 min Scan# 21
Delta R.T. 0.000 min
Lab File: BN038147.D
Acq: 07 Nov 2025 09:39

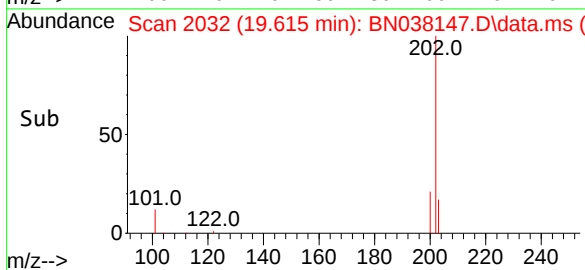
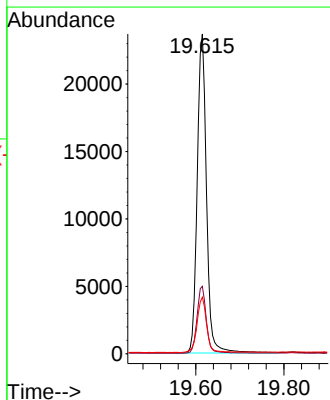
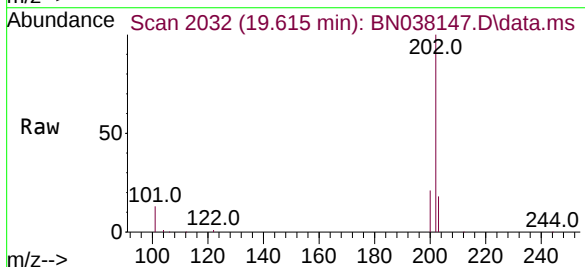
Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

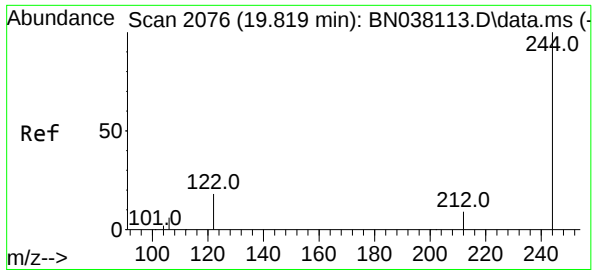
Tgt Ion	Ratio	Lower	Upper
240	100		
120	13.7	10.7	16.1
236	28.8	23.1	34.7



#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

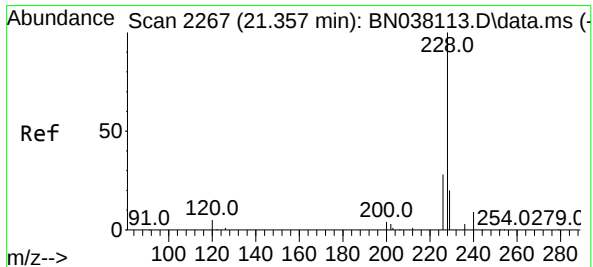
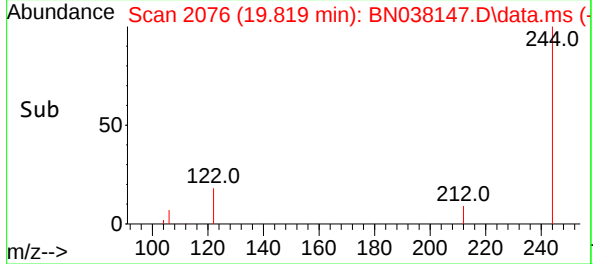
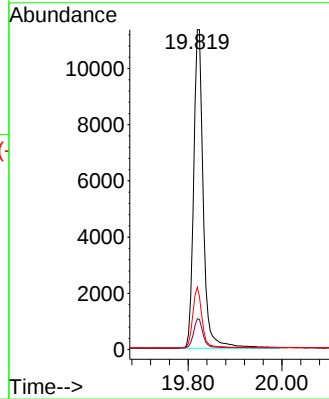
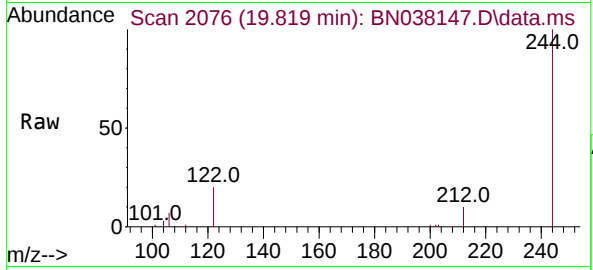




#31
Terphenyl-d14
Concen: 0.390 ng
RT: 19.819 min Scan# 2076
Delta R.T. 0.000 min
Lab File: BN038147.D
Acq: 07 Nov 2025 09:39

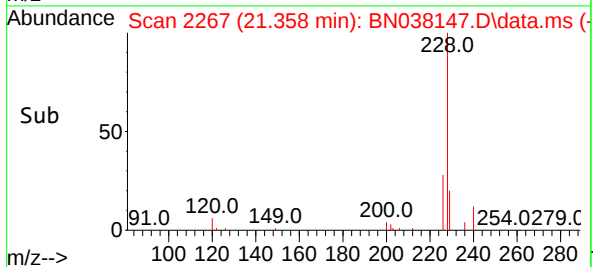
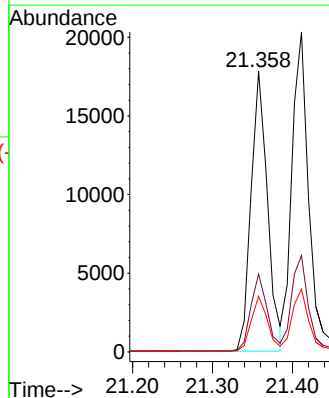
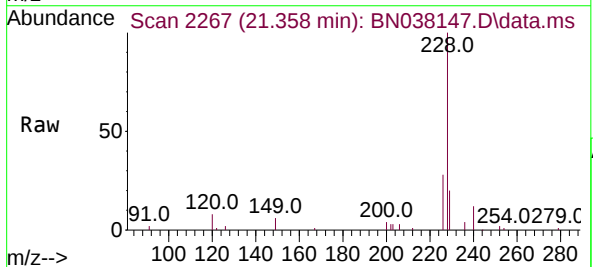
Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

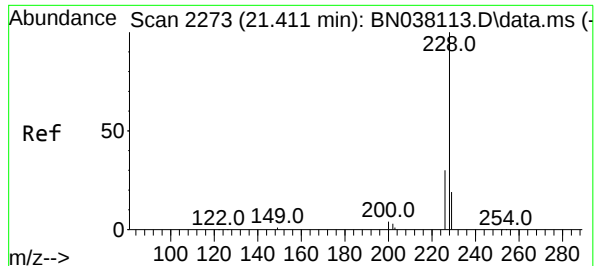
Tgt Ion:244 Resp: 16244
Ion Ratio Lower Upper
244 100
212 9.6 7.8 11.6
122 19.5 15.2 22.8



#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:228 Resp: 25317
Ion Ratio Lower Upper
228 100
226 27.8 22.2 33.4
229 19.9 15.8 23.8

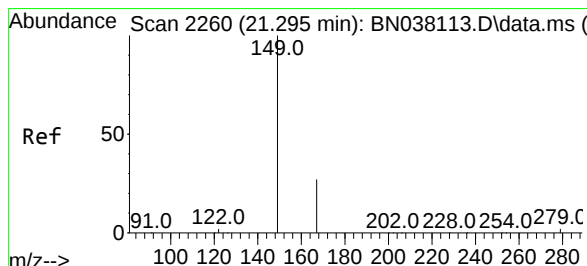
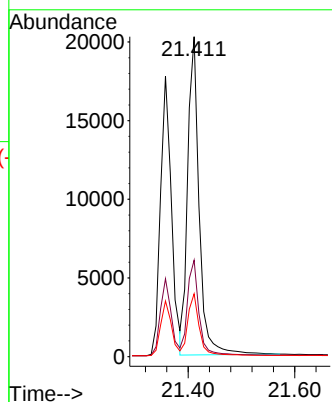
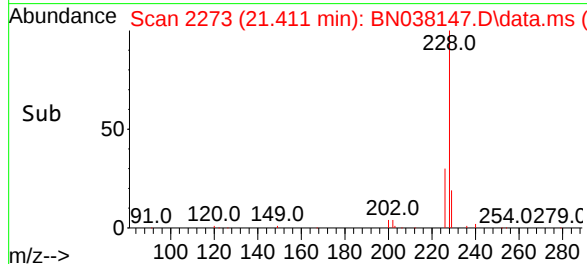
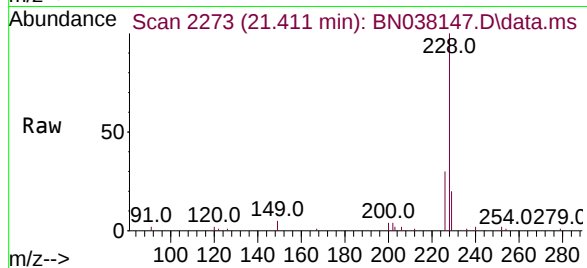




#33
Chrysene
Concen: 0.409 ng
RT: 21.411 min Scan# 21
Delta R.T. 0.000 min
Lab File: BN038147.D
Acq: 07 Nov 2025 09:39

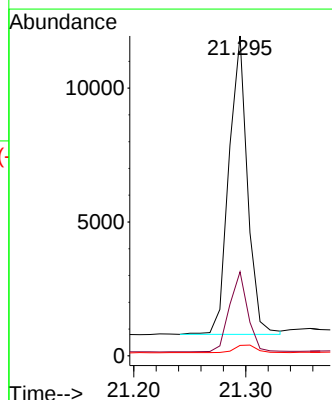
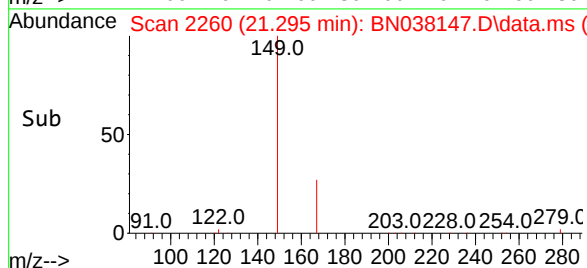
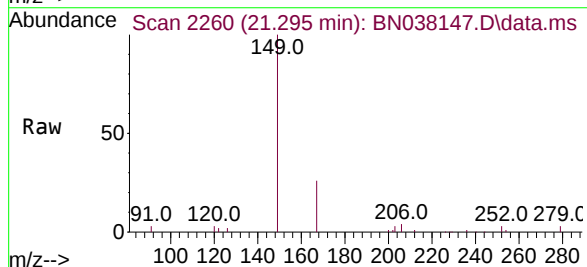
Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

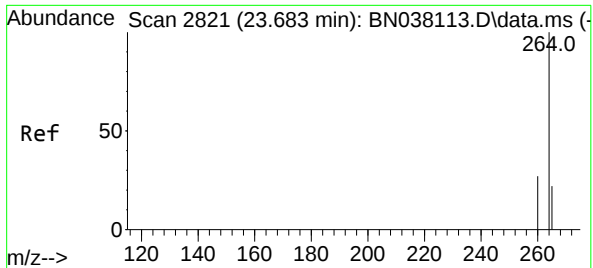
Tgt Ion:228 Resp: 30330
Ion Ratio Lower Upper
228 100
226 30.1 24.3 36.5
229 19.6 15.7 23.5



#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:149 Resp: 12823
Ion Ratio Lower Upper
149 100
167 26.5 21.1 31.7
279 3.0 2.9 4.3

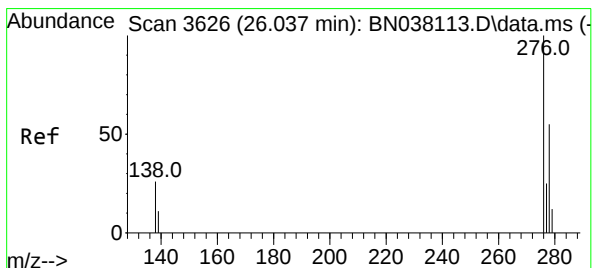
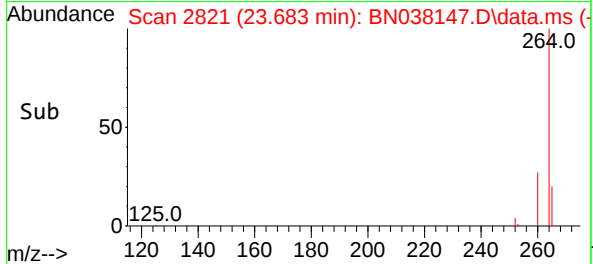
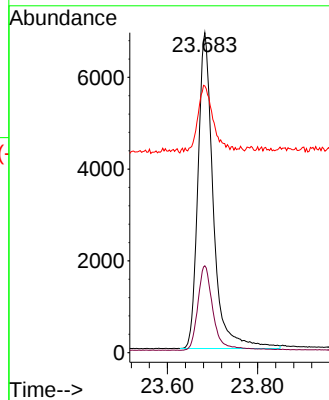
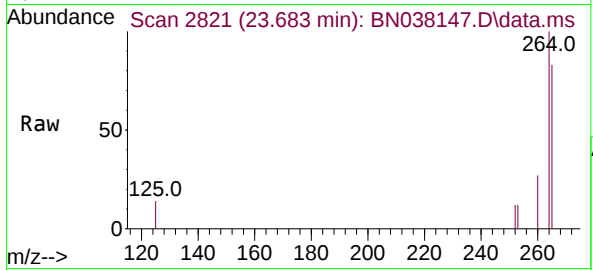




#35
Perylene-d12
Concen: 0.400 ng
RT: 23.683 min Scan# 2821
Delta R.T. 0.003 min
Lab File: BN038147.D
Acq: 07 Nov 2025 09:39

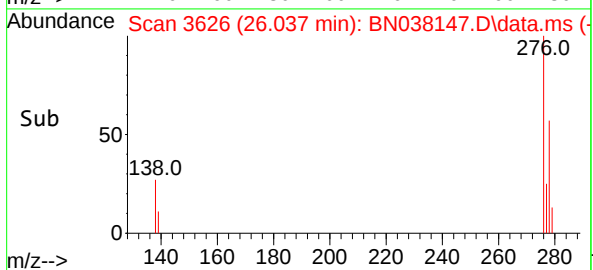
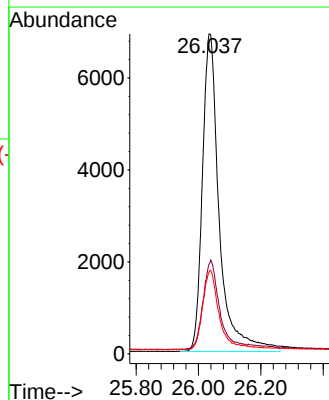
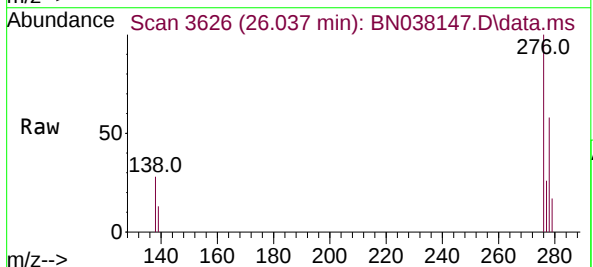
Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

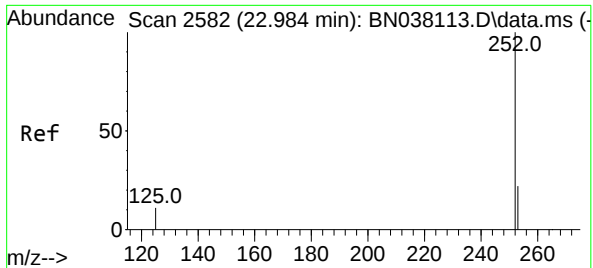
Tgt Ion:	264	Resp:	16199
Ion Ratio	Lower	Upper	
264	100		
260	27.2	21.8	32.8
265	83.3	68.6	102.8



#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

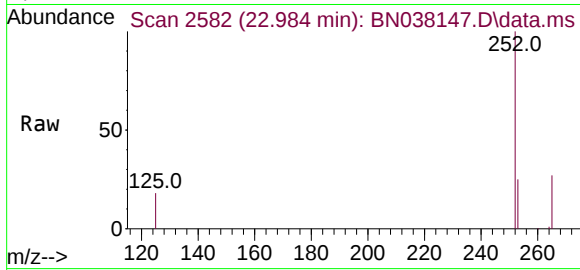
Acq: 07 Nov 2025 09:39

Instrument :

BNA_N

ClientSampleId :

SSTDCCC0.4



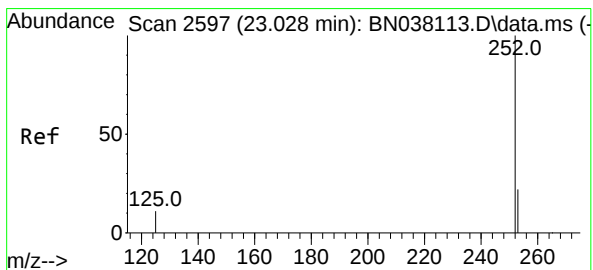
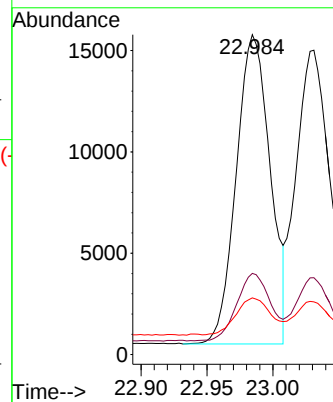
Tgt Ion:252 Resp: 27308

Ion Ratio Lower Upper

252 100

253 25.4 20.9 31.3

125 17.7 14.1 21.1



#38

Benzo(k)fluoranthene

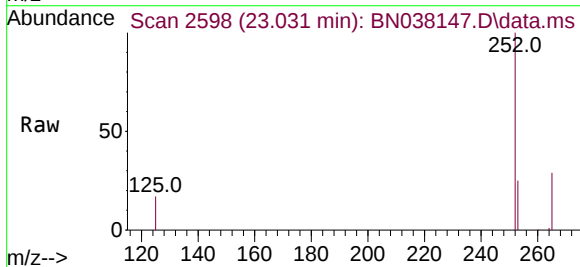
Concen: 0.404 ng

RT: 23.031 min Scan# 2598

Delta R.T. 0.003 min

Lab File: BN038147.D

Acq: 07 Nov 2025 09:39



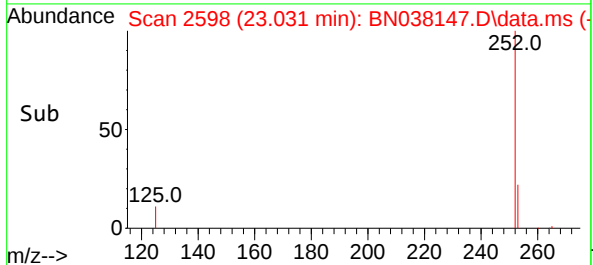
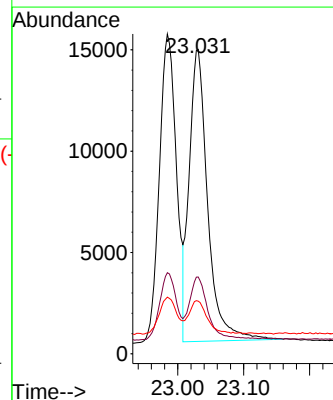
Tgt Ion:252 Resp: 28137

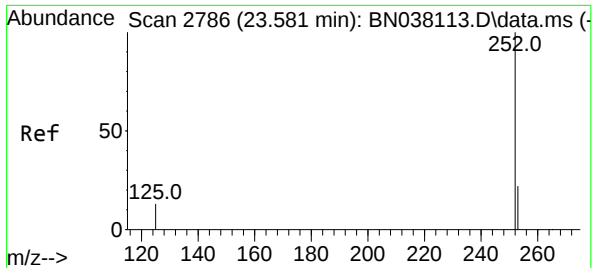
Ion Ratio Lower Upper

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

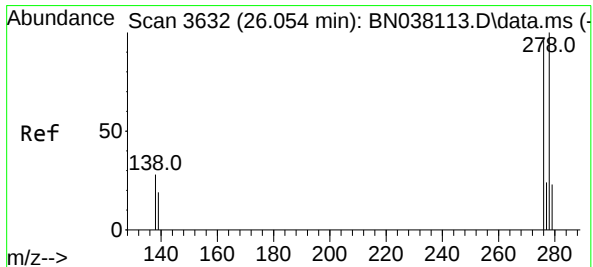
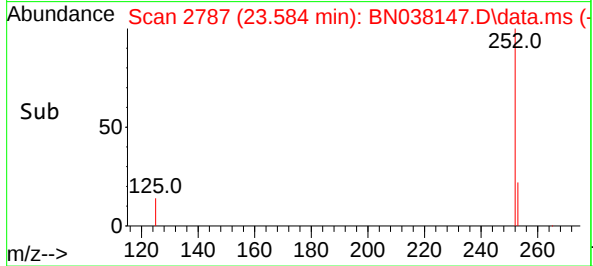
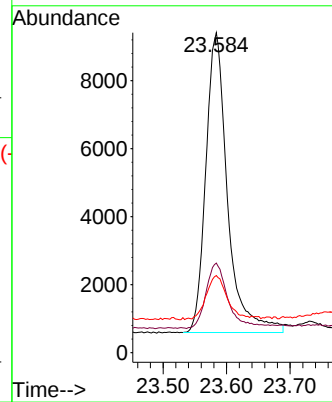
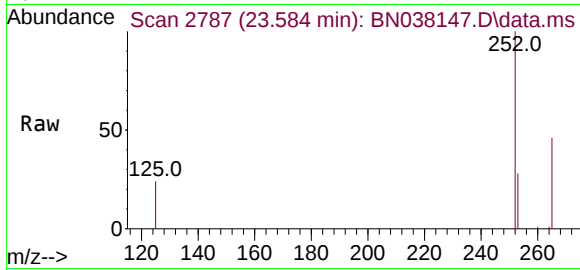
Tgt Ion:252 Resp: 20969

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

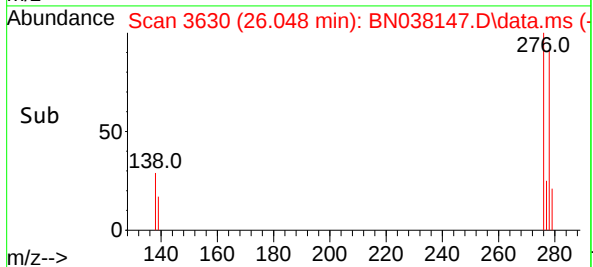
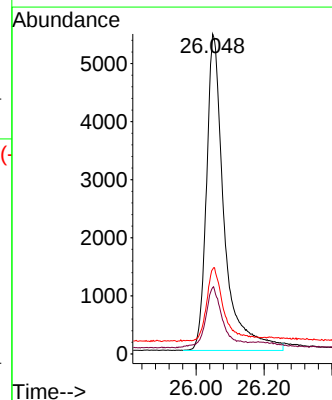
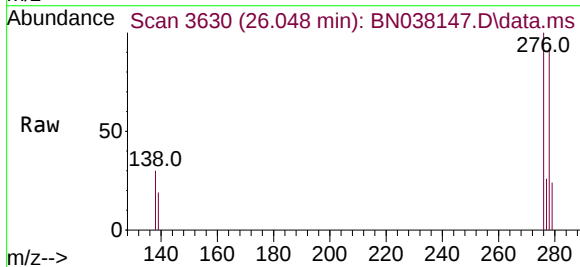
Tgt Ion:278 Resp: 19684

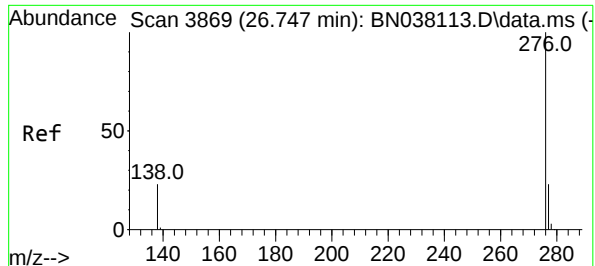
Ion Ratio Lower Upper

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

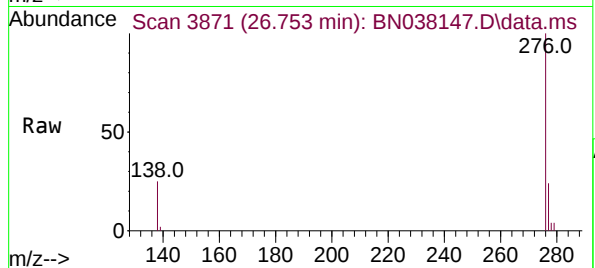
Acq: 07 Nov 2025 09:39

Instrument :

BNA_N

ClientSampleId :

SSTDCCC0.4



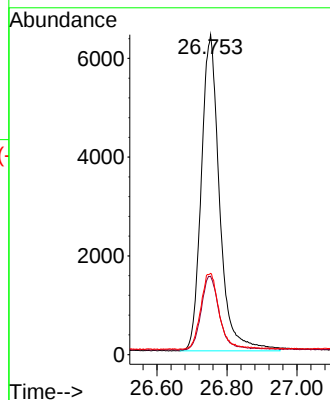
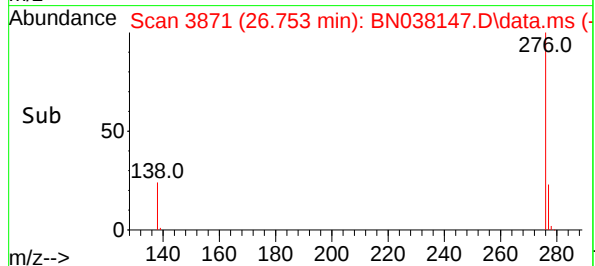
Tgt Ion:276 Resp: 23204

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

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

All other compounds must meet a minimum RRF of 0.010.

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)

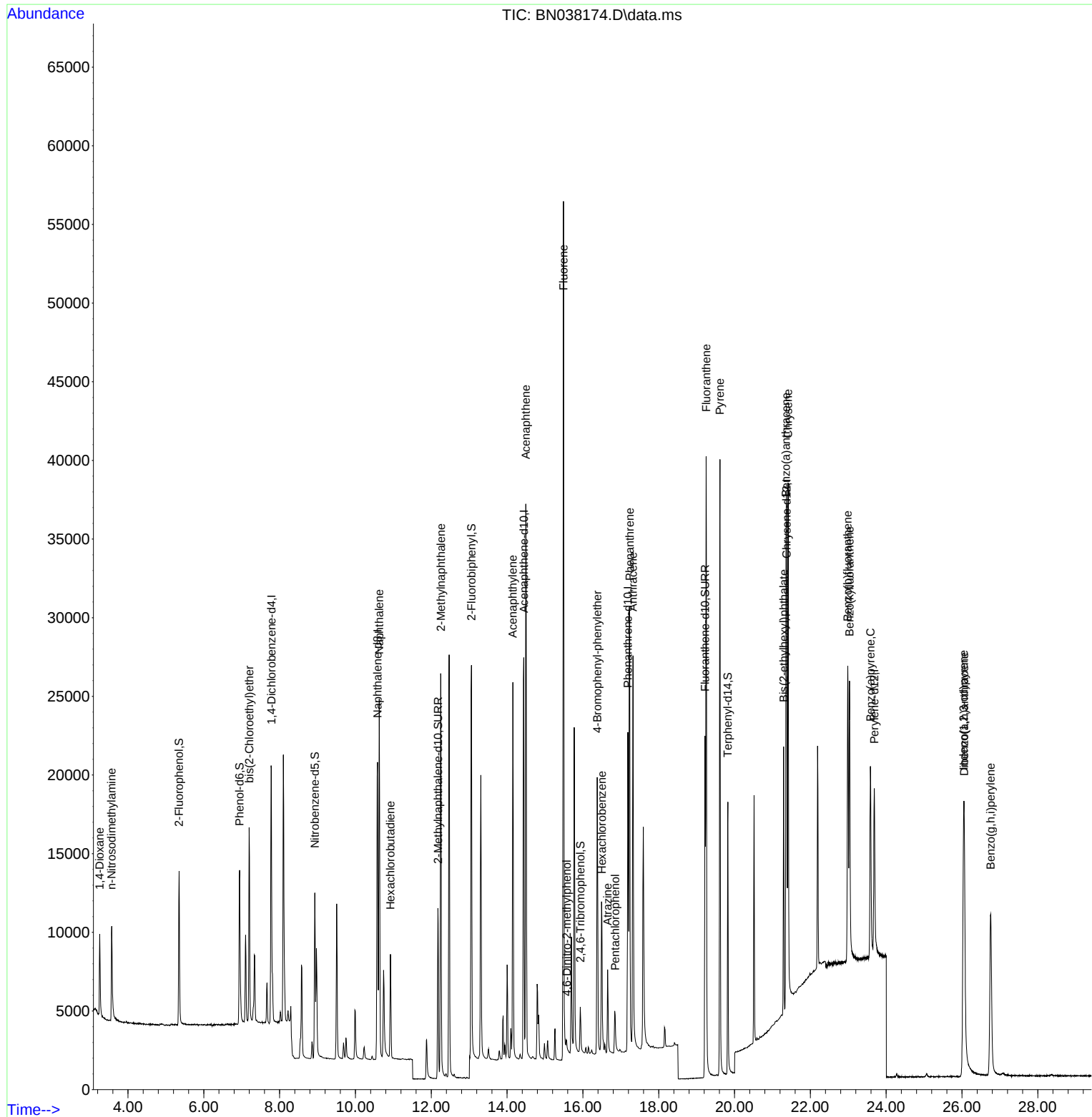
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.782	152	8757	0.400	ng	0.00
7) Naphthalene-d8	10.584	136	27774	0.400	ng	0.01
13) Acenaphthene-d10	14.441	164	15906	0.400	ng	0.01
19) Phenanthrene-d10	17.186	188	29029	0.400	ng	0.00
29) Chrysene-d12	21.375	240	18717	0.400	ng	0.00
35) Perylene-d12	23.689	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

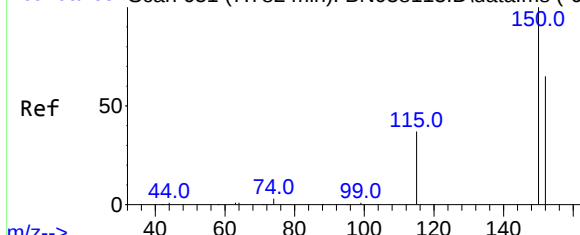
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN111025\
Data File : BN038174.D
Acq On : 10 Nov 2025 10:14
Operator : RC/JU
Sample : SSTDCCC0.4
Misc :
ALS Vial : 2 Sample Multiplier: 1

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

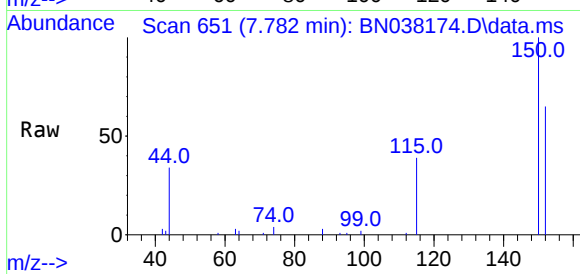
Tgt Ion:152 Resp: 8757

Ion Ratio Lower Upper

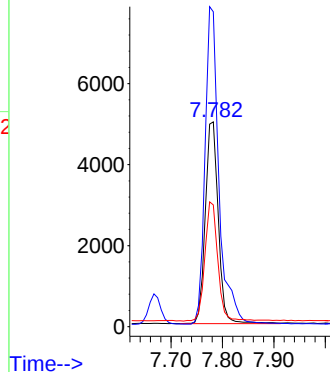
152 100

150 153.7 122.3 183.5

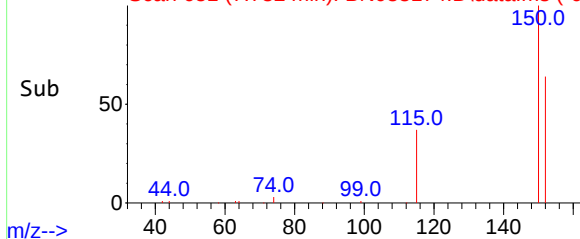
115 59.4 47.4 71.0



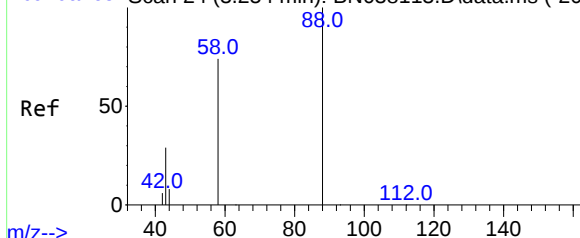
Abundance



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

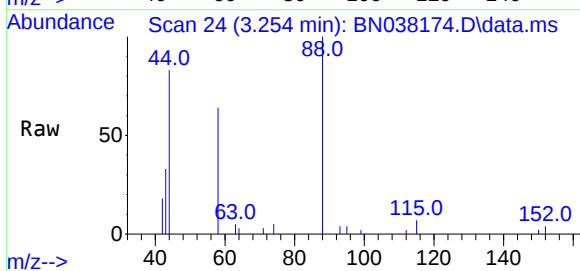
Tgt Ion: 88 Resp: 3538

Ion Ratio Lower Upper

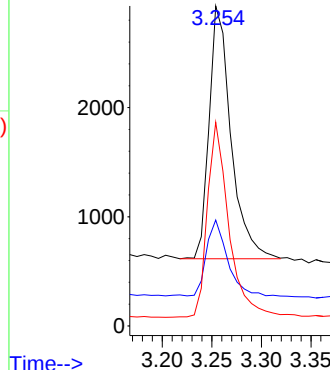
88 100

43 29.2 24.3 36.5

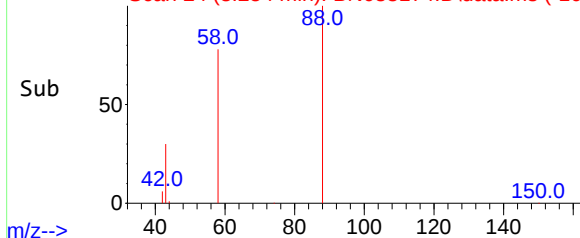
58 76.1 60.4 90.6



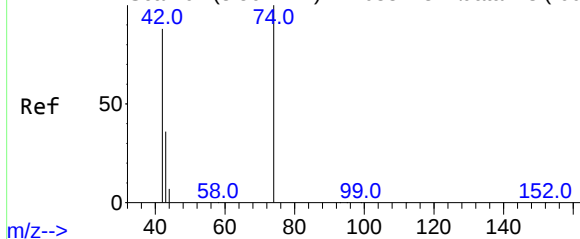
Abundance



Abundance Scan 24 (3.254 min): BN038174.D\data.ms (-10)

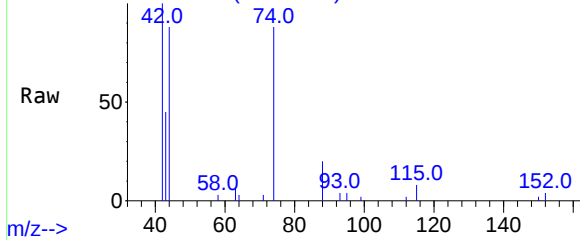


Abundance Scan 67 (3.564 min): BN038113.D\data.ms (-60)



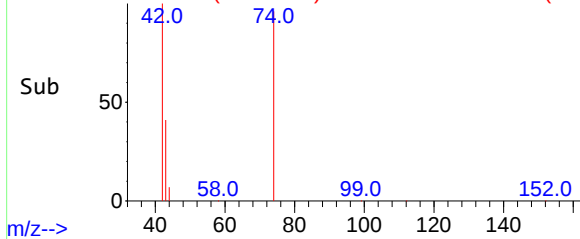
m/z-->

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

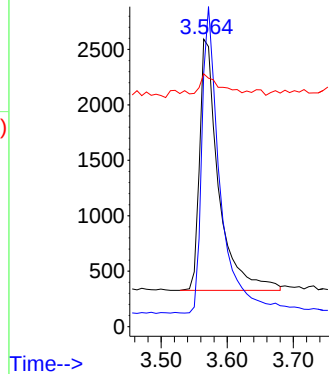
Ion Ratio Lower Upper

42 100

74 116.9 96.8 145.2

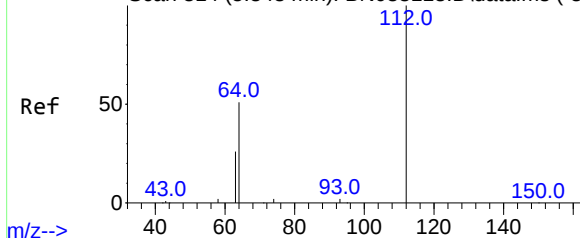
44 8.4 5.3 7.9#

Abundance



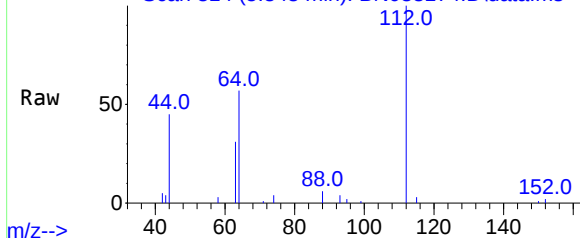
Time-->

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



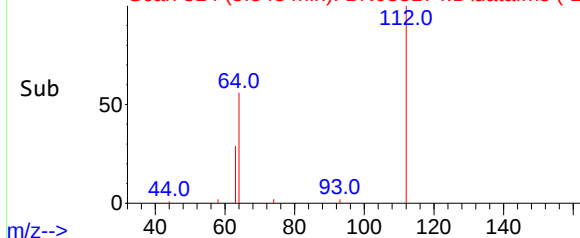
m/z-->

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

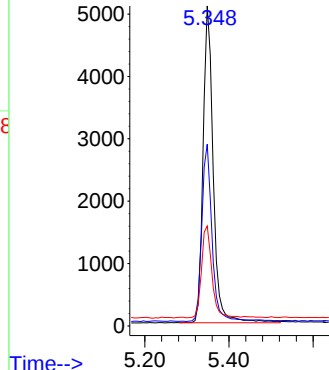
Ion Ratio Lower Upper

112 100

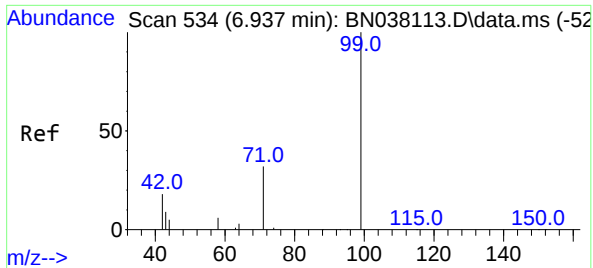
64 55.9 45.4 68.0

63 29.5 23.2 34.8

Abundance



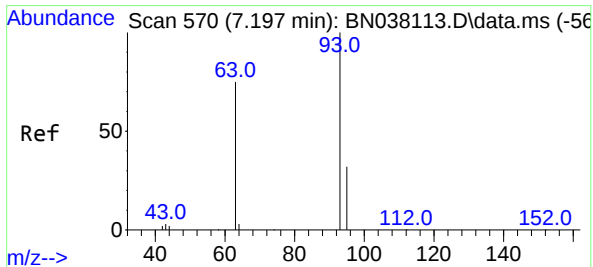
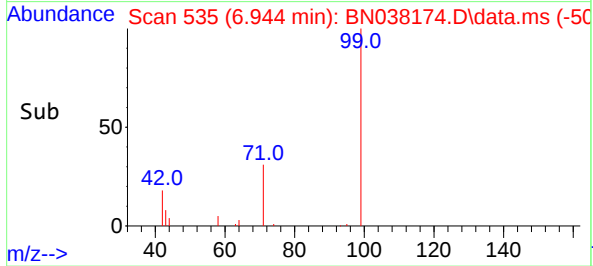
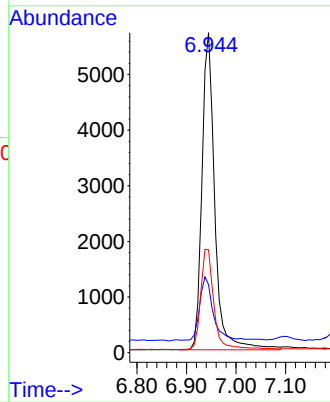
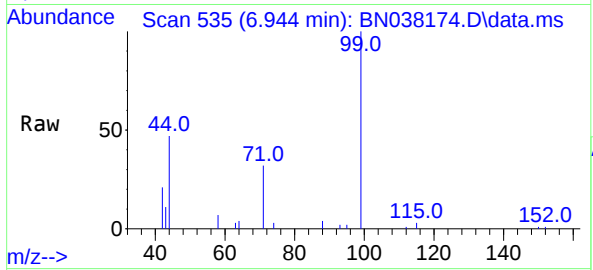
Time-->



#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

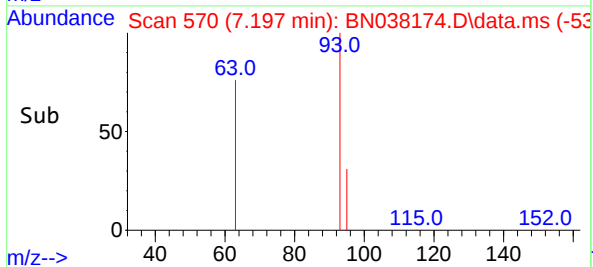
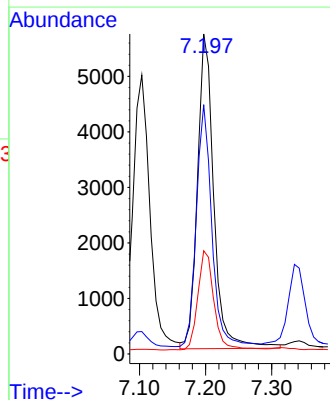
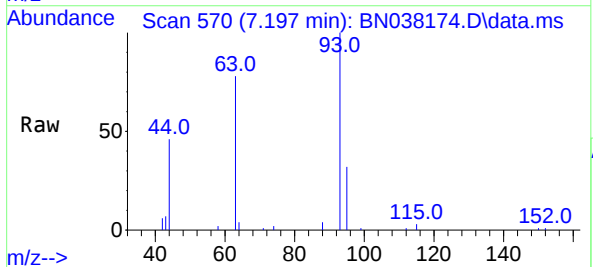
Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

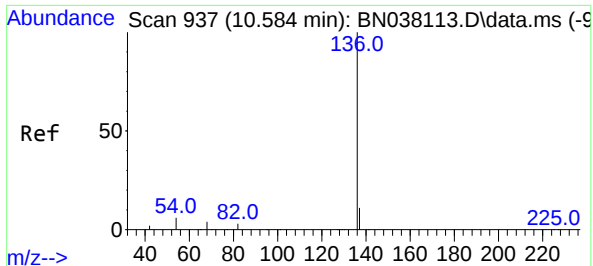
Tgt Ion: 99 Resp: 10238
Ion Ratio Lower Upper
99 100
42 21.2 16.6 24.8
71 33.1 25.4 38.2



#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



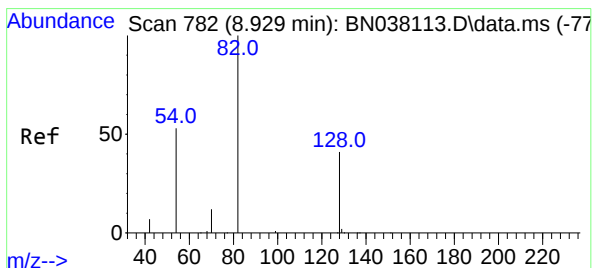
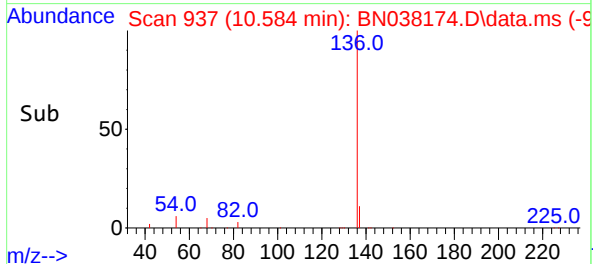
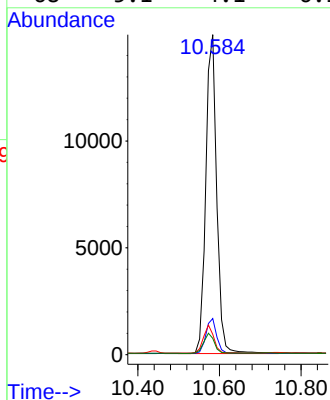
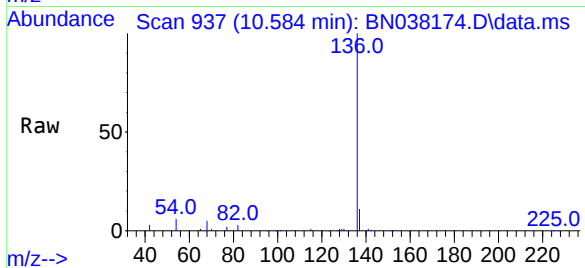


#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.584 min Scan# 91
Delta R.T. 0.011 min
Lab File: BN038174.D
Acq: 10 Nov 2025 10:14

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:136 Resp: 27774

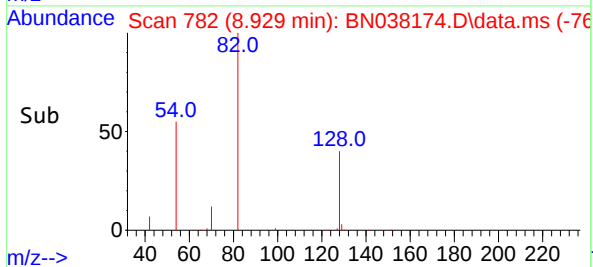
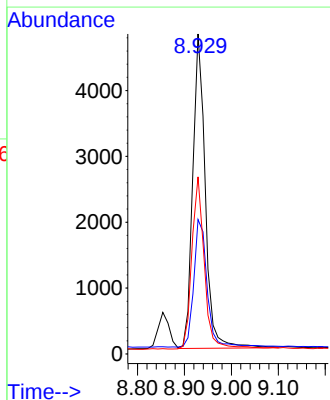
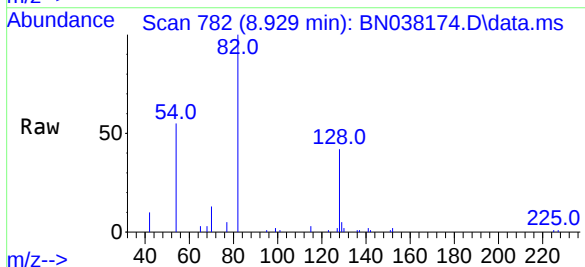
Ion	Ratio	Lower	Upper
136	100		
137	11.3	9.0	13.4
54	6.3	5.2	7.8
68	5.1	4.1	6.1

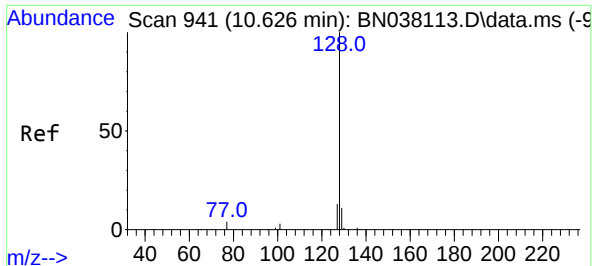


#8
Nitrobenzene-d5
Concen: 0.395 ng
RT: 8.929 min Scan# 782
Delta R.T. 0.000 min
Lab File: BN038174.D
Acq: 10 Nov 2025 10:14

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

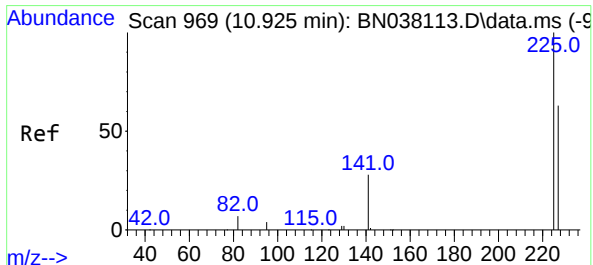
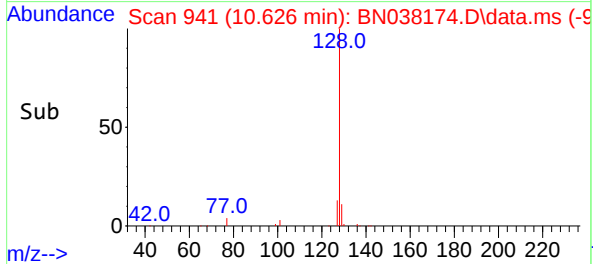
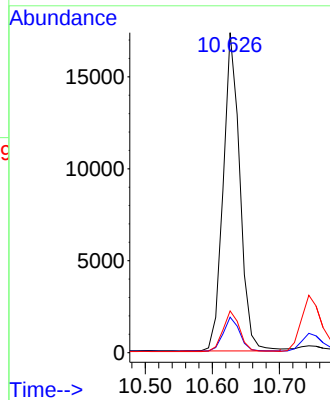
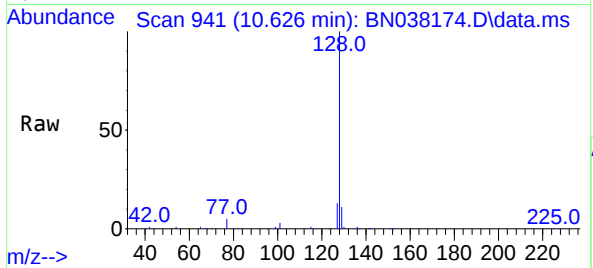




#9
Naphthalene
Concen: 0.390 ng
RT: 10.626 min Scan# 941
Delta R.T. 0.000 min
Lab File: BN038174.D
Acq: 10 Nov 2025 10:14

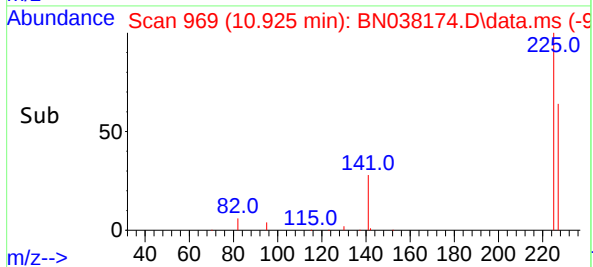
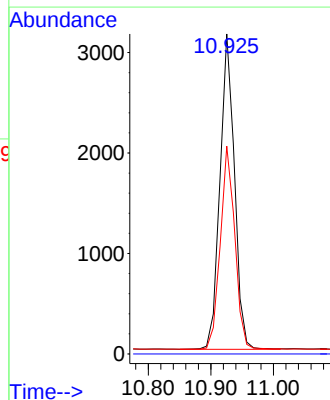
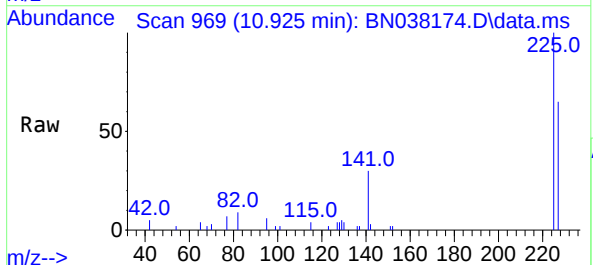
Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

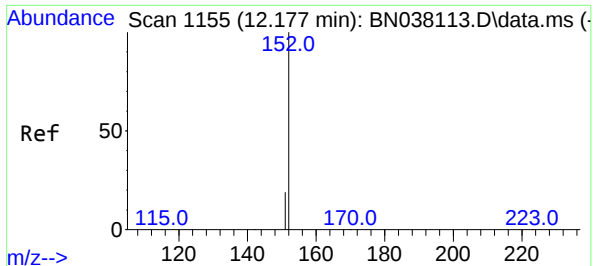
Tgt Ion:128 Resp: 29824
Ion Ratio Lower Upper
128 100
129 11.1 9.1 13.7
127 13.0 10.5 15.7



#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

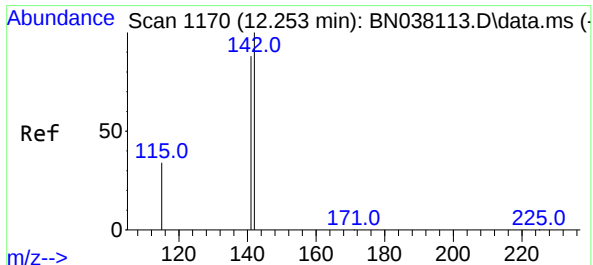
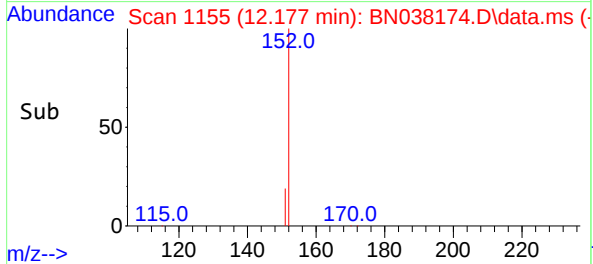
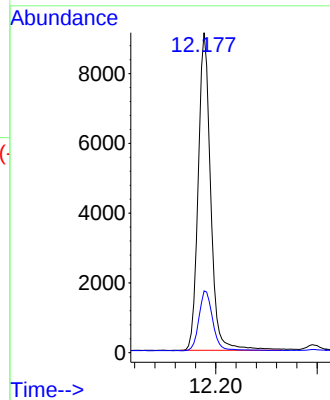
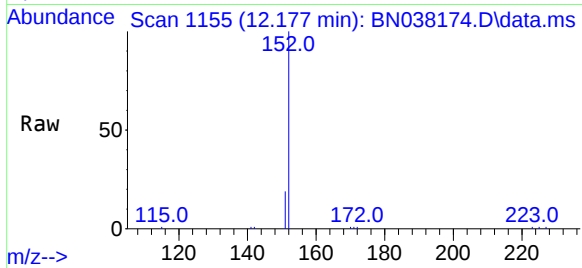




#11
2-Methylnaphthalene-d10
Concen: 0.393 ng
RT: 12.177 min Scan# 1155
Delta R.T. 0.000 min
Lab File: BN038174.D
Acq: 10 Nov 2025 10:14

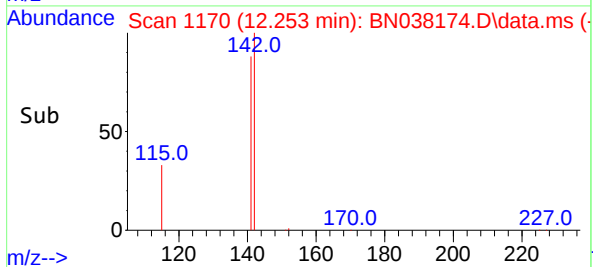
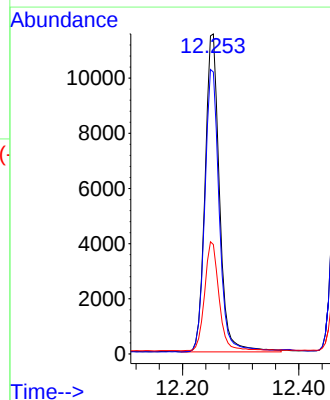
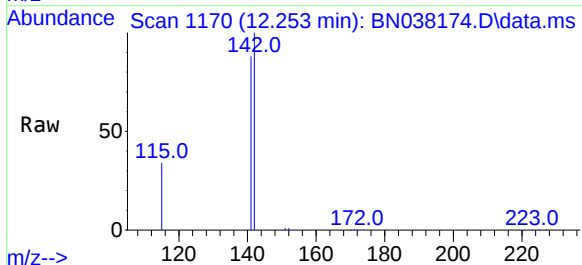
Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

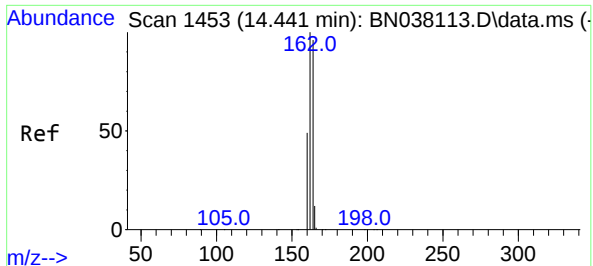
Tgt Ion:152 Resp: 15571
Ion Ratio Lower Upper
152 100
151 21.1 16.8 25.2



#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

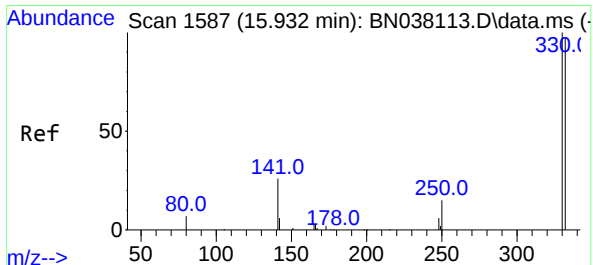
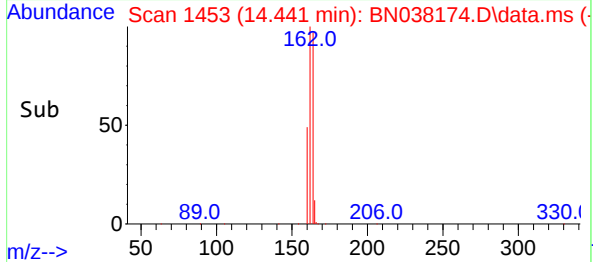
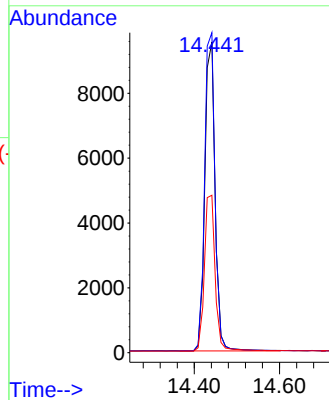
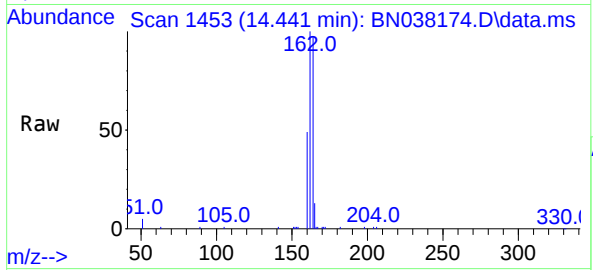




#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.441 min Scan# 1453
Delta R.T. 0.011 min
Lab File: BN038174.D
Acq: 10 Nov 2025 10:14

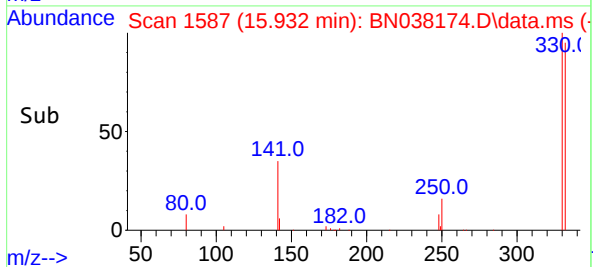
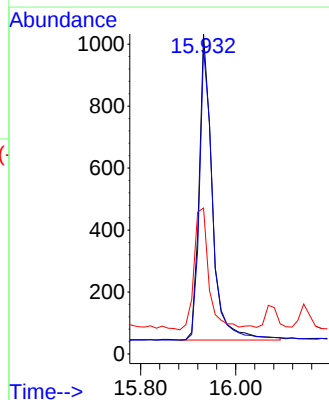
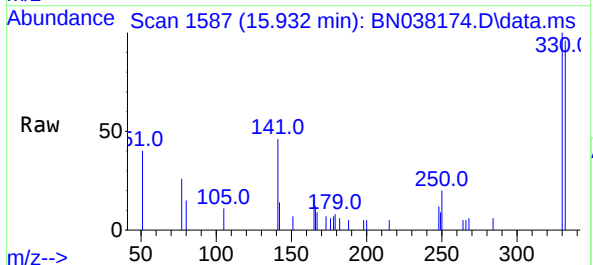
Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

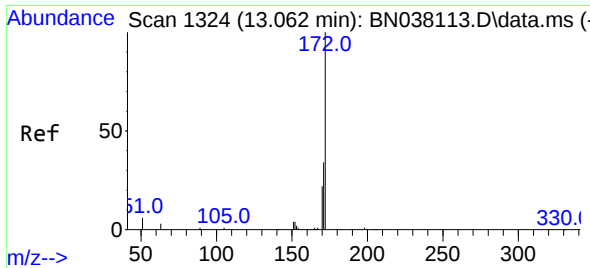
Tgt Ion:164 Resp: 15906
Ion Ratio Lower Upper
164 100
162 103.0 83.0 124.4
160 50.7 40.7 61.1



#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

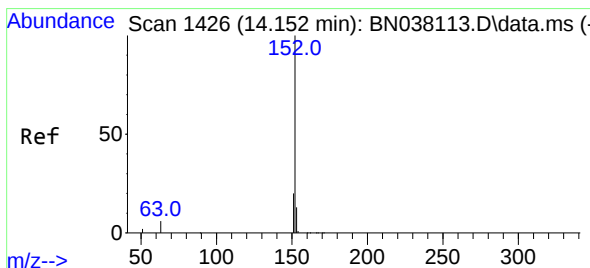
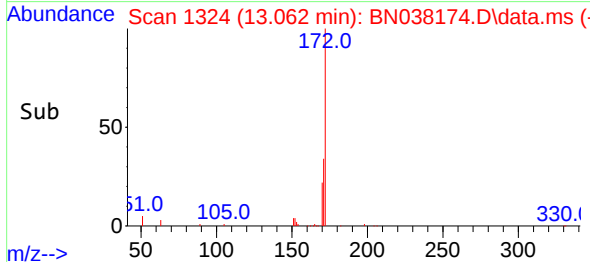
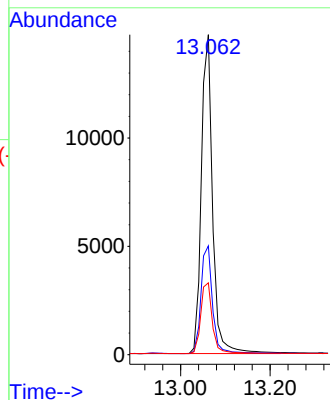
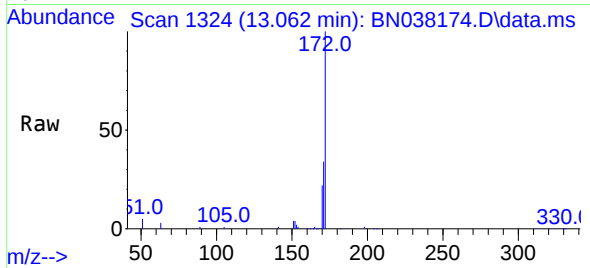




#15
2-Fluorobiphenyl
Concen: 0.383 ng
RT: 13.062 min Scan# 1324
Delta R.T. 0.011 min
Lab File: BN038174.D
Acq: 10 Nov 2025 10:14

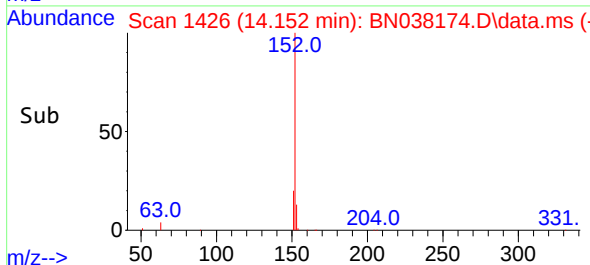
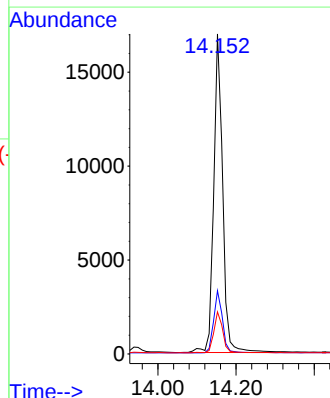
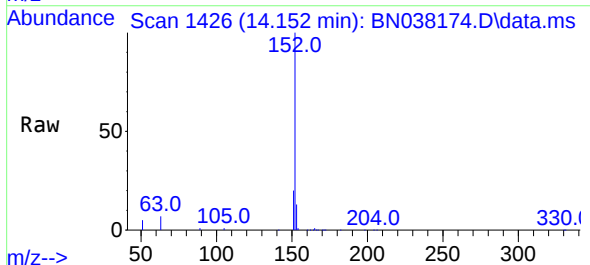
Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

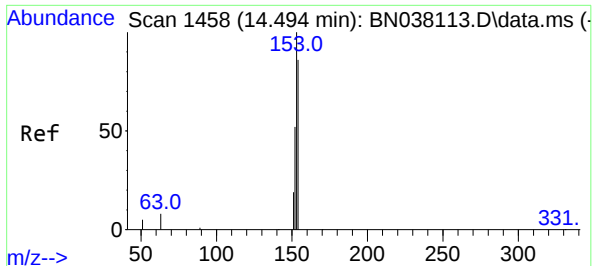
Tgt Ion:172 Resp: 24388
Ion Ratio Lower Upper
172 100
171 34.0 27.8 41.6
170 22.4 18.1 27.1



#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:152 Resp: 26970
Ion Ratio Lower Upper
152 100
151 19.3 15.8 23.8
153 12.9 10.2 15.2

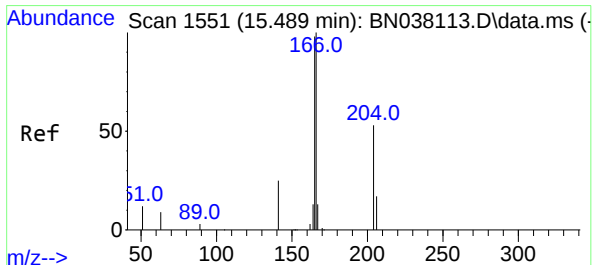
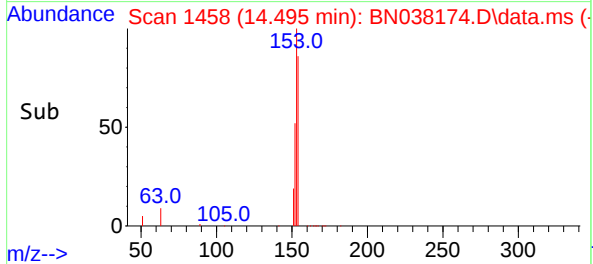
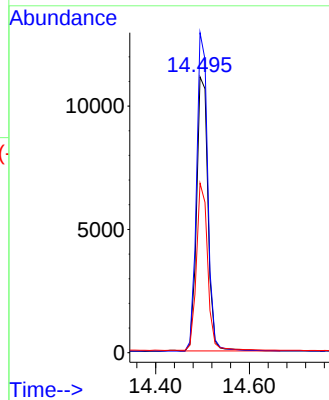
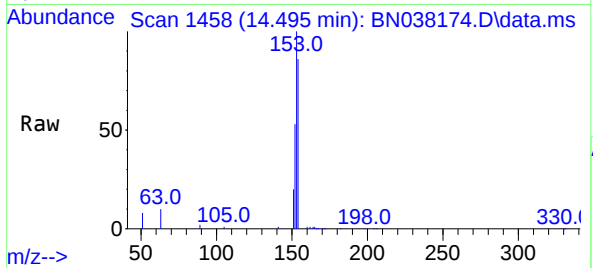




#17
Acenaphthene
Concen: 0.373 ng
RT: 14.495 min Scan# 1458
Delta R.T. 0.000 min
Lab File: BN038174.D
Acq: 10 Nov 2025 10:14

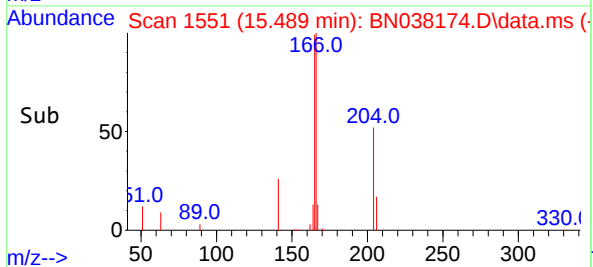
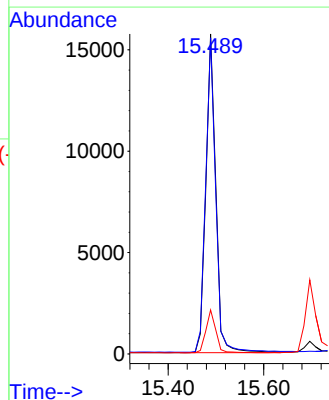
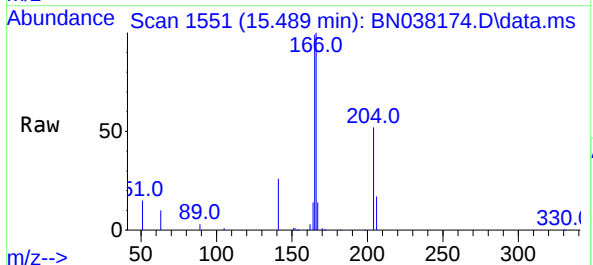
Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

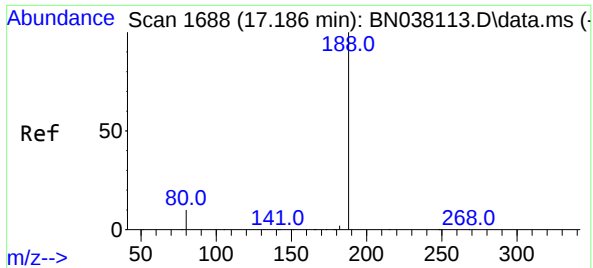
Tgt Ion:154 Resp: 18777
Ion Ratio Lower Upper
154 100
153 114.6 90.0 135.0
152 60.3 47.3 70.9



#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

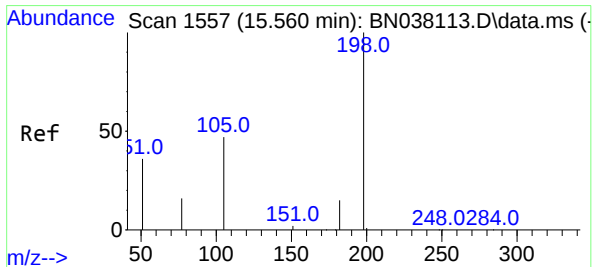
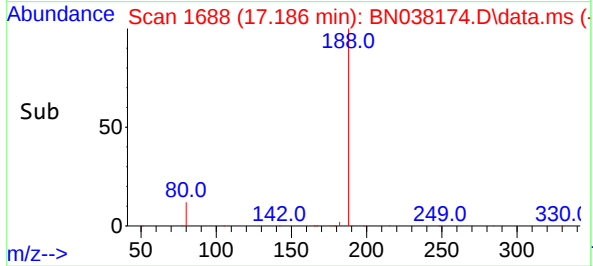
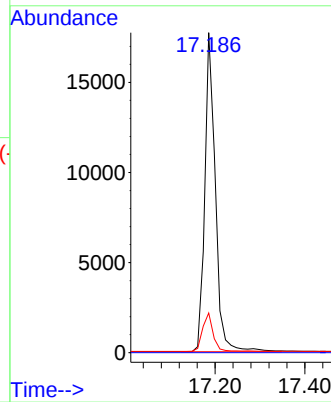
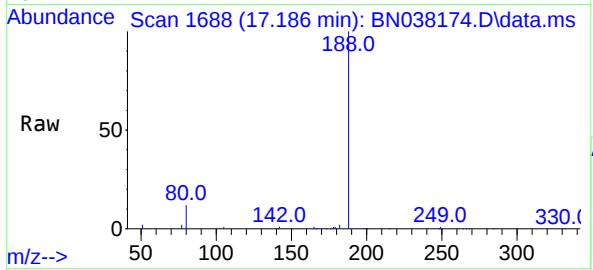
Tgt Ion:188 Resp: 29029

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

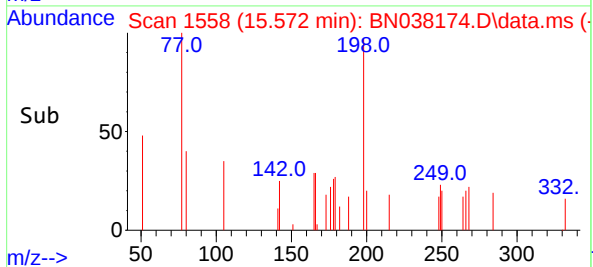
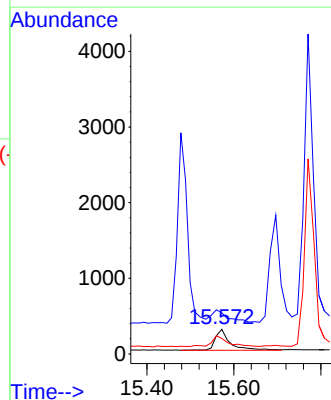
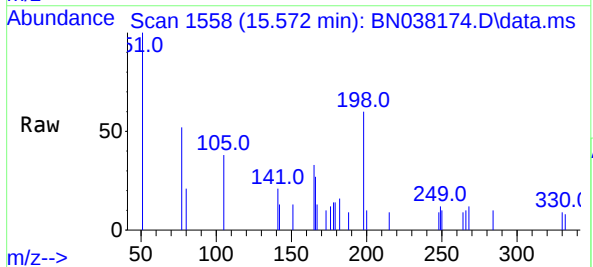
Tgt Ion:198 Resp: 645

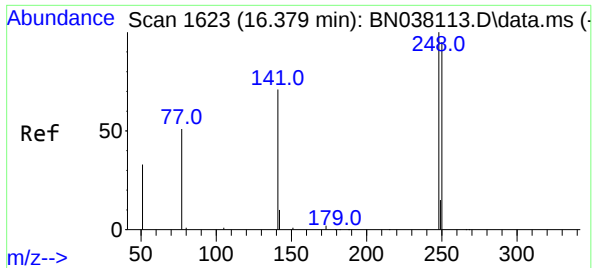
Ion Ratio Lower Upper

198 100

51 166.9 88.9 133.3#

105 63.2 49.2 73.8

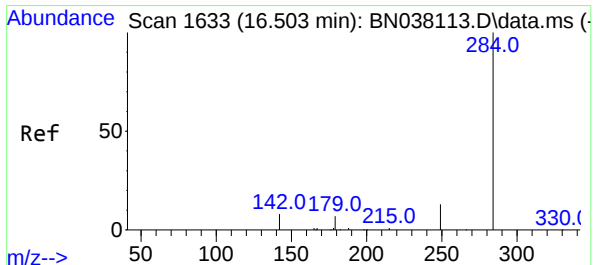
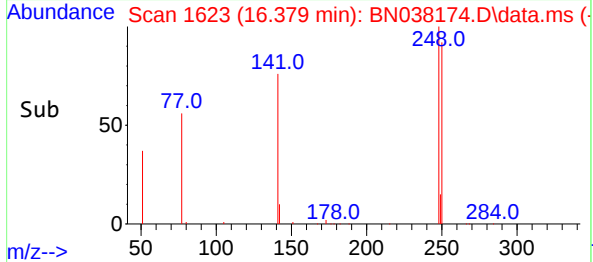
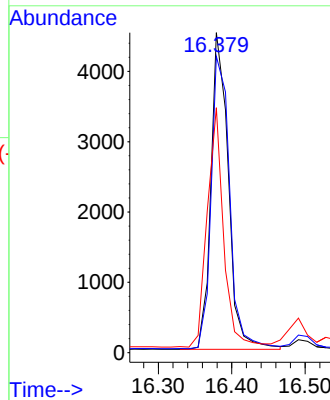
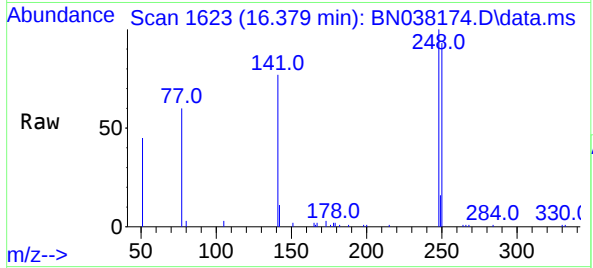




#21
4-Bromophenyl-phenylether
Concen: 0.391 ng
RT: 16.379 min Scan# 1623
Delta R.T. 0.000 min
Lab File: BN038174.D
Acq: 10 Nov 2025 10:14

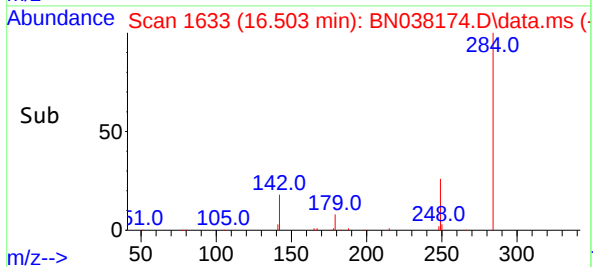
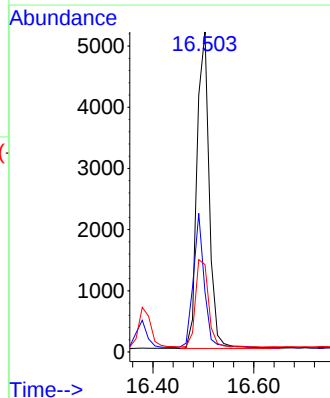
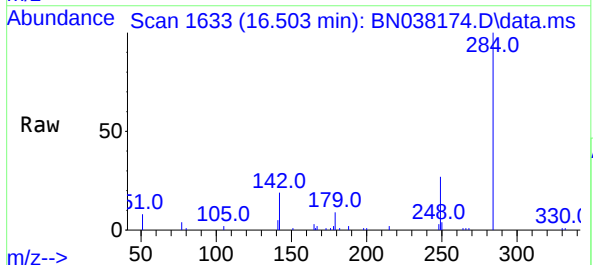
Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

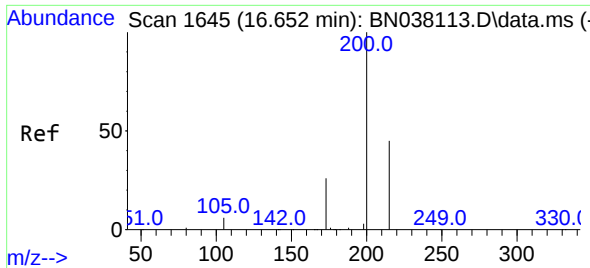
Tgt Ion:	248	Resp:	7432
Ion	Ratio	Lower	Upper
248	100		
250	92.6	76.2	114.2
141	76.6	57.6	86.4



#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

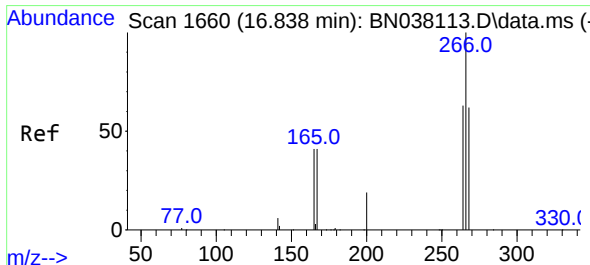
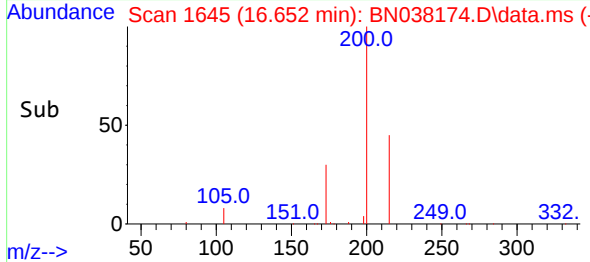
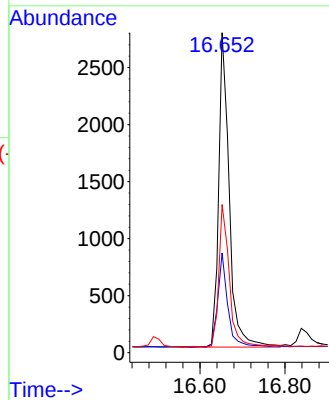
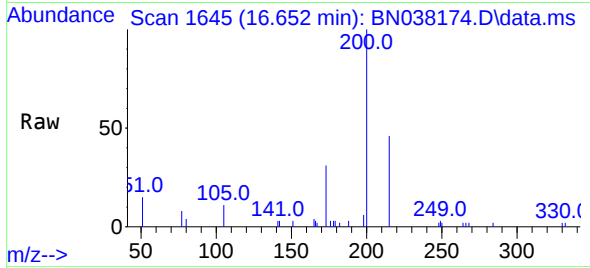




#23
Atrazine
Concen: 0.340 ng
RT: 16.652 min Scan# 1661
Delta R.T. 0.000 min
Lab File: BN038174.D
Acq: 10 Nov 2025 10:14

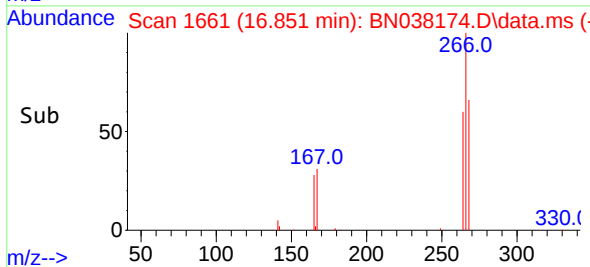
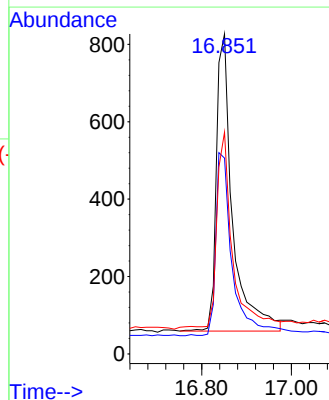
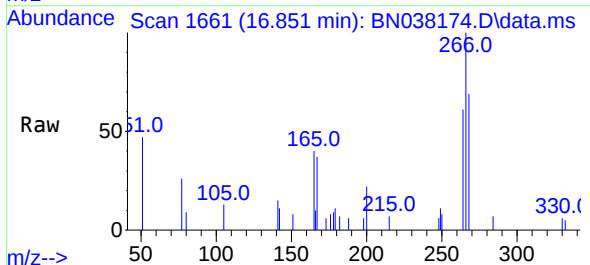
Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

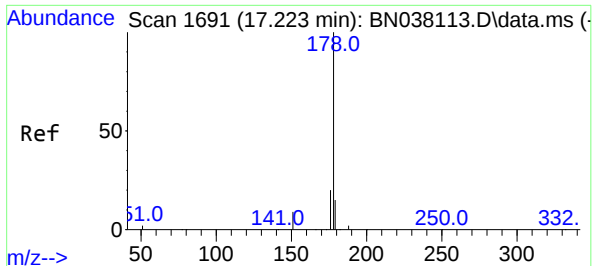
Tgt Ion	Ratio	Lower	Upper
200	100		
173	31.1	21.4	32.2
215	46.3	36.7	55.1



#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

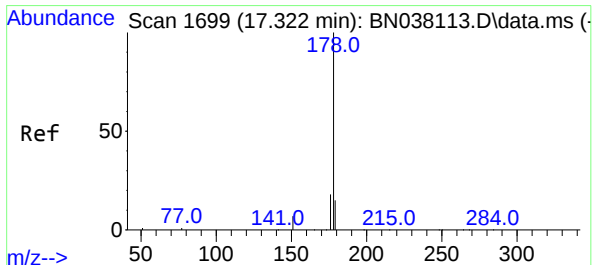
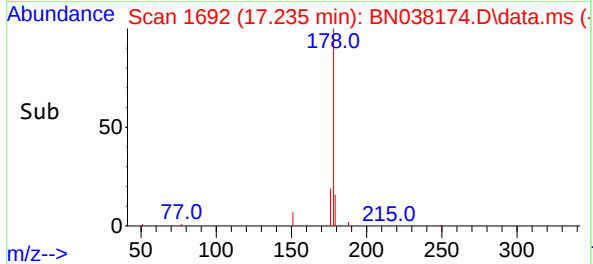
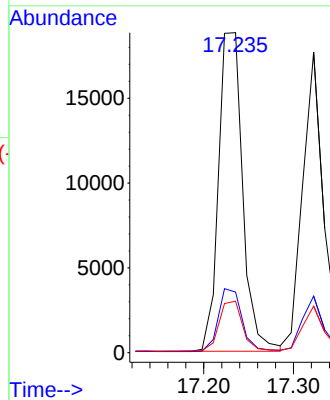
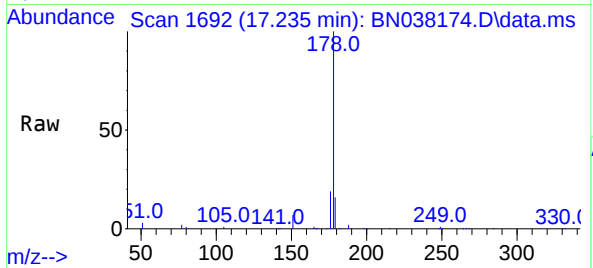




#25
Phenanthrene
Concen: 0.382 ng
RT: 17.235 min Scan# 1692
Delta R.T. 0.012 min
Lab File: BN038174.D
Acq: 10 Nov 2025 10:14

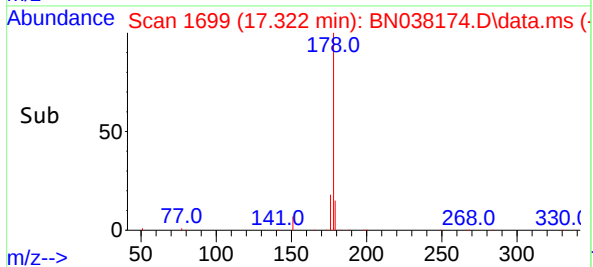
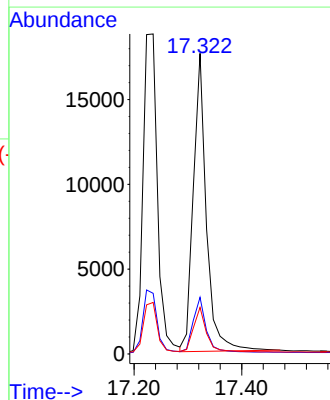
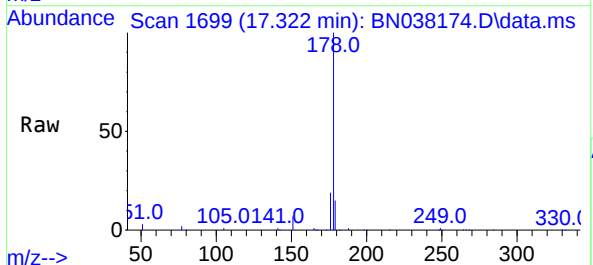
Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

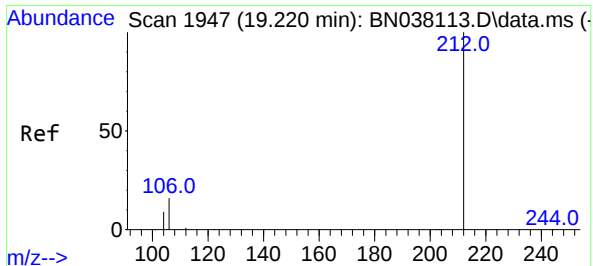
Tgt Ion:178 Resp: 35218
Ion Ratio Lower Upper
178 100
176 19.3 15.5 23.3
179 15.4 12.2 18.4



#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

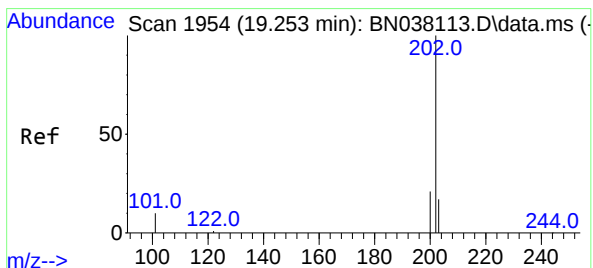
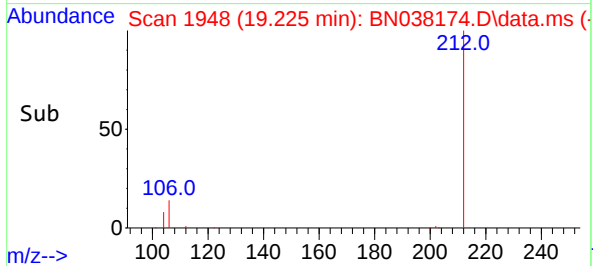
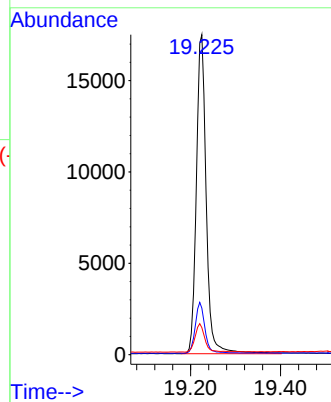
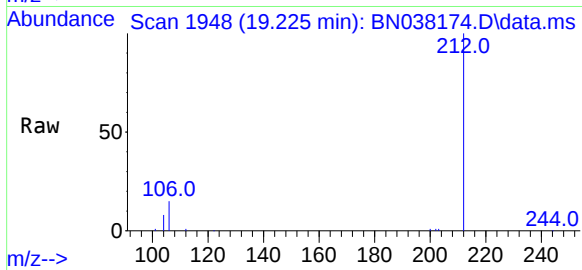
Tgt Ion:212 Resp: 26616

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

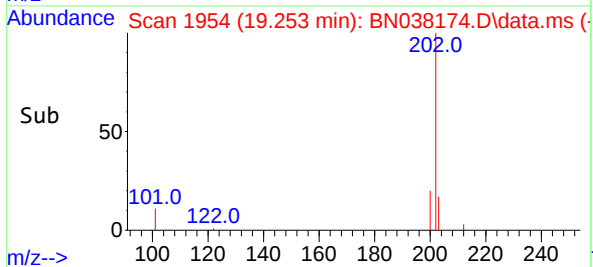
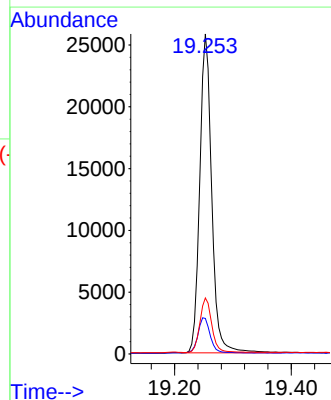
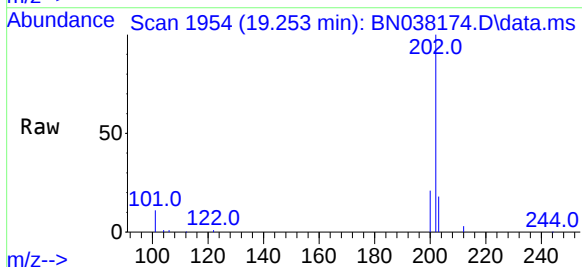
Tgt Ion:202 Resp: 36754

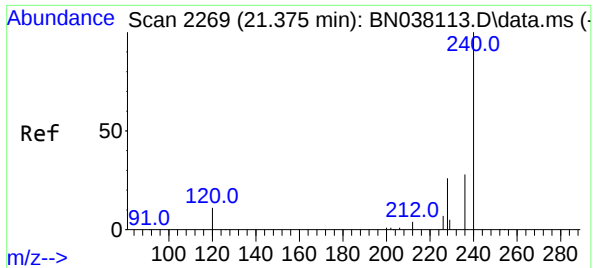
Ion Ratio Lower Upper

202 100

101 11.6 9.4 14.2

203 17.0 13.4 20.2

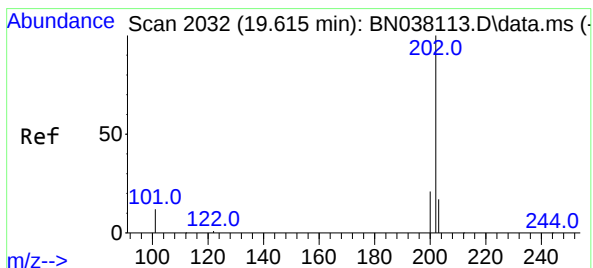
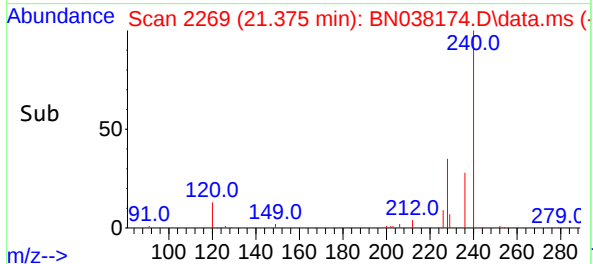
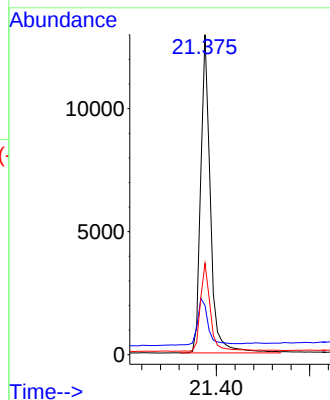
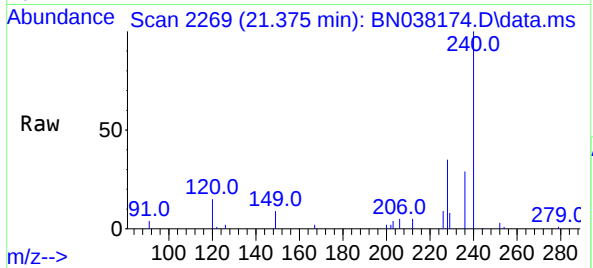




#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.375 min Scan# 21
Delta R.T. 0.000 min
Lab File: BN038174.D
Acq: 10 Nov 2025 10:14

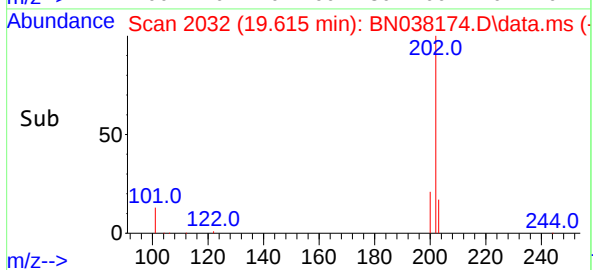
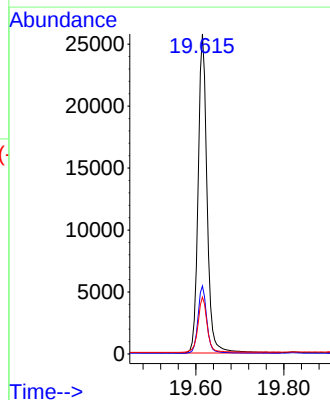
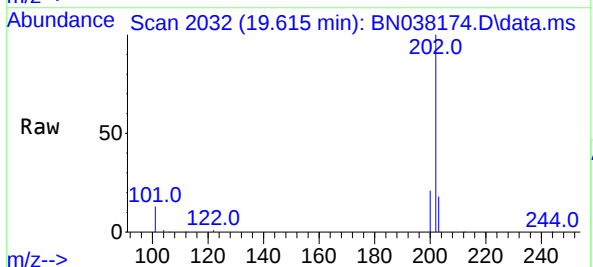
Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

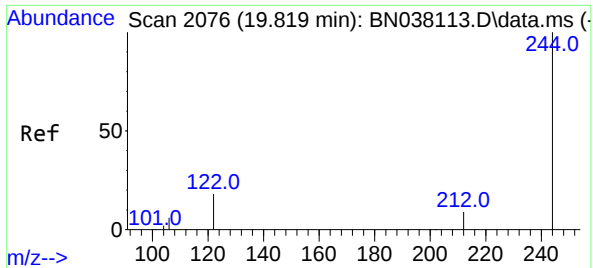
Tgt Ion:240 Resp: 18717
Ion Ratio Lower Upper
240 100
120 15.4 10.7 16.1
236 28.5 23.1 34.7



#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

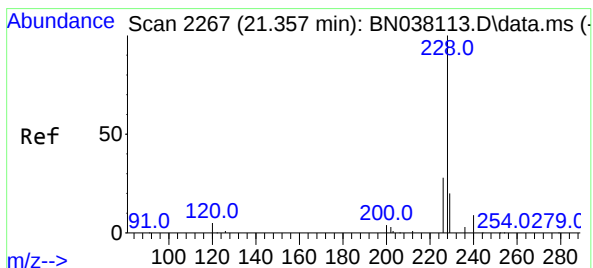
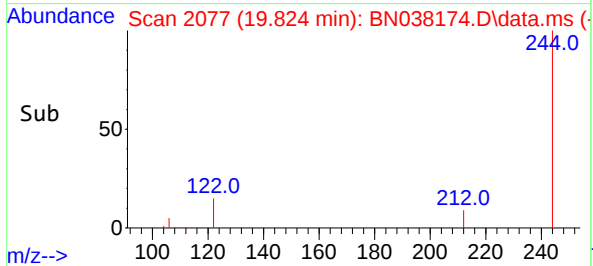
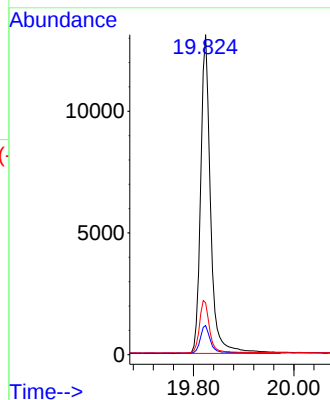
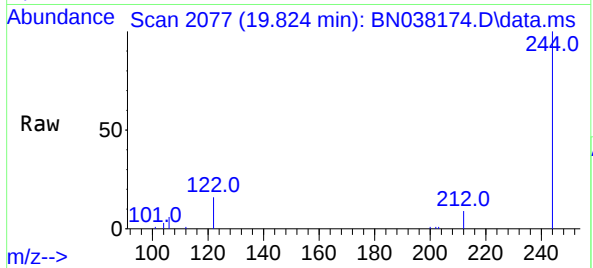




#31
Terphenyl-d14
Concen: 0.441 ng
RT: 19.824 min Scan# 2076
Delta R.T. 0.005 min
Lab File: BN038174.D
Acq: 10 Nov 2025 10:14

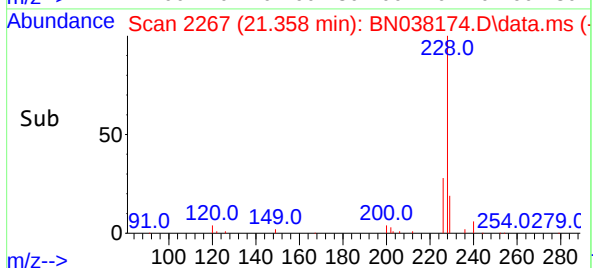
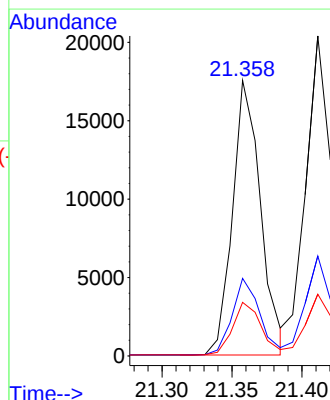
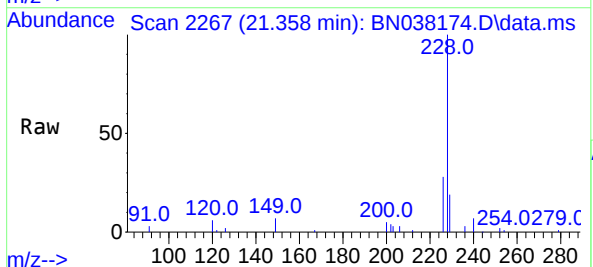
Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

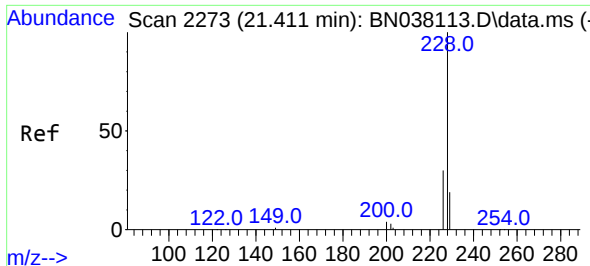
Tgt Ion:244 Resp: 17932
Ion Ratio Lower Upper
244 100
212 9.1 7.8 11.6
122 16.2 15.2 22.8



#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

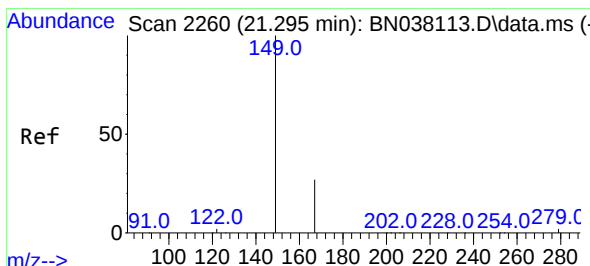
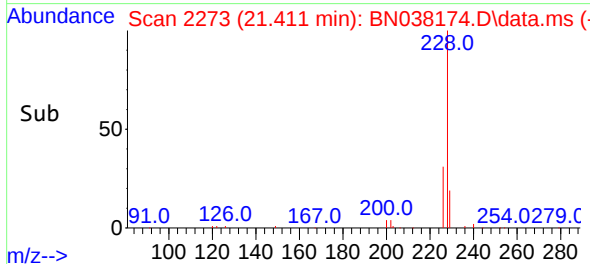
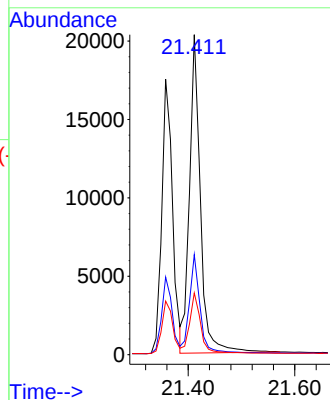
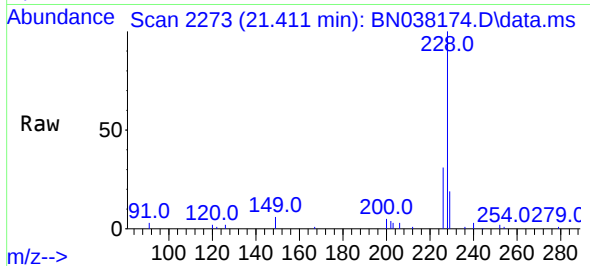




#33
Chrysene
Concen: 0.398 ng
RT: 21.411 min Scan# 21
Delta R.T. 0.000 min
Lab File: BN038174.D
Acq: 10 Nov 2025 10:14

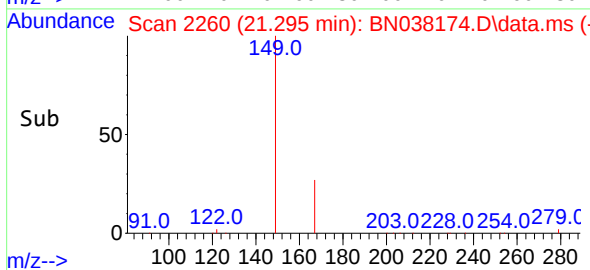
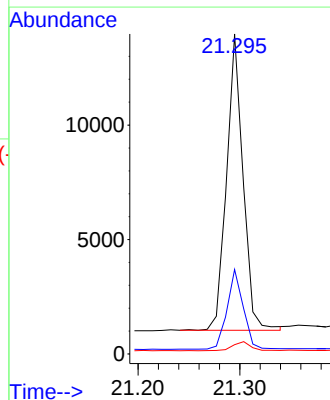
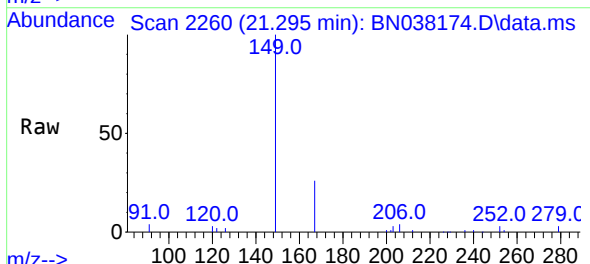
Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

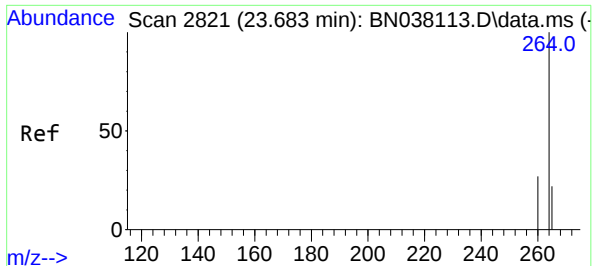
Tgt Ion	Ratio	Lower	Upper
228	100		
226	31.3	24.3	36.5
229	19.3	15.7	23.5



#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

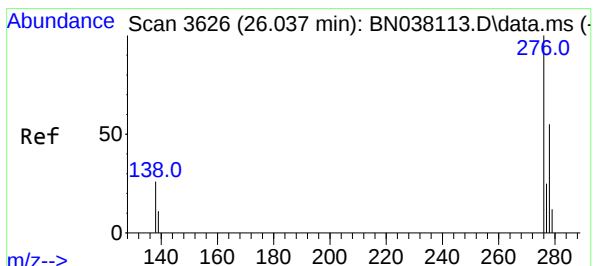
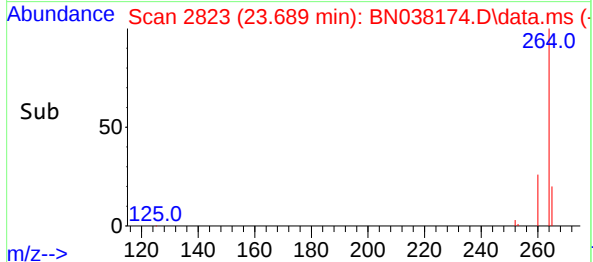
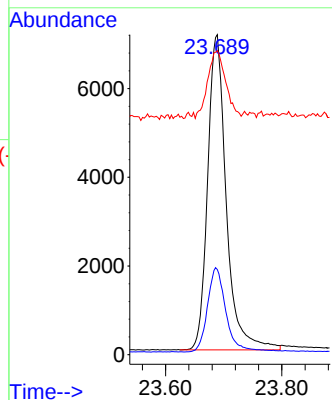
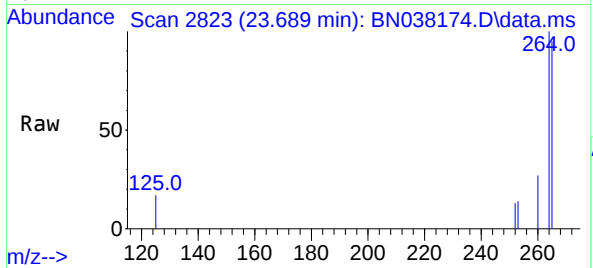




#35
Perylene-d12
Concen: 0.400 ng
RT: 23.689 min Scan# 21
Delta R.T. 0.009 min
Lab File: BN038174.D
Acq: 10 Nov 2025 10:14

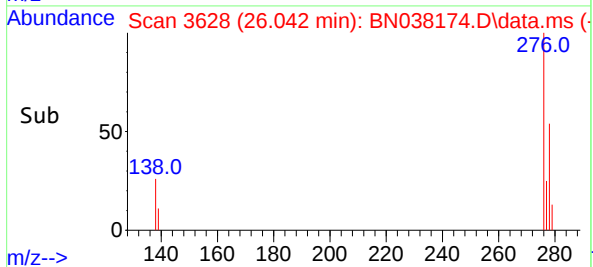
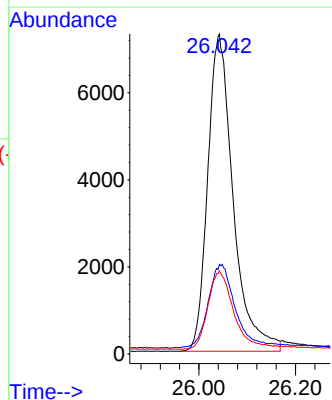
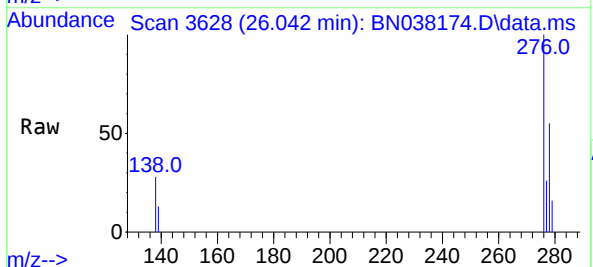
Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

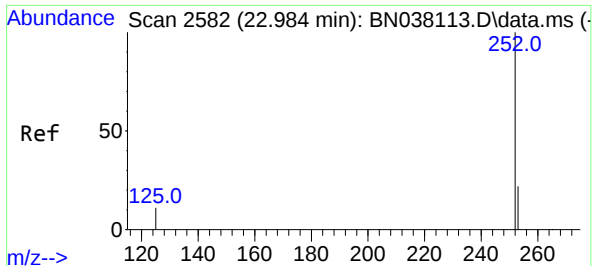
Tgt Ion:264 Resp: 15819
Ion Ratio Lower Upper
264 100
260 26.6 21.8 32.8
265 95.0 68.6 102.8



#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

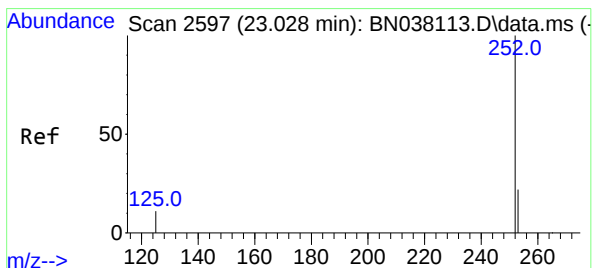
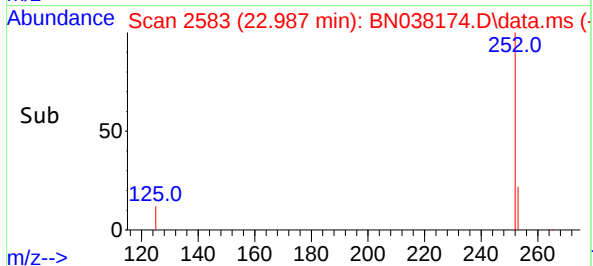
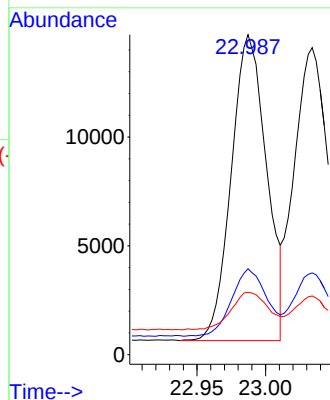
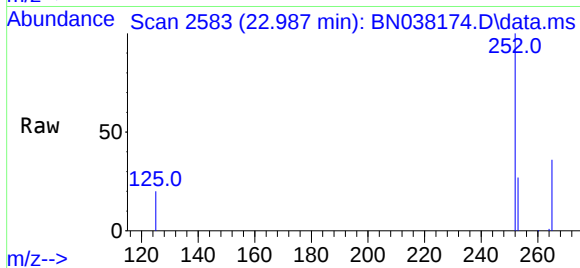
Tgt Ion:252 Resp: 25099

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

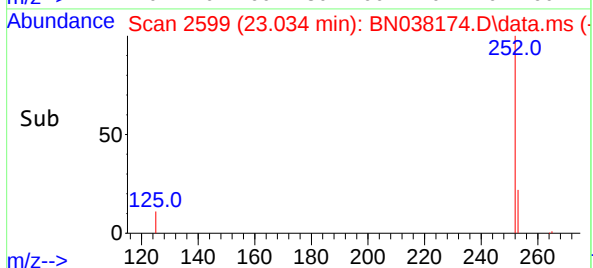
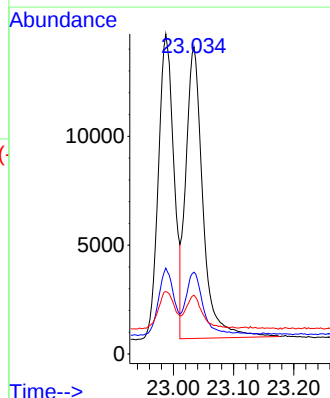
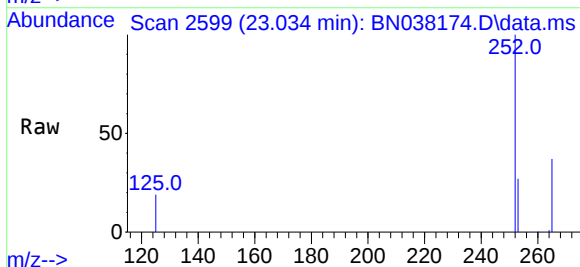
Tgt Ion:252 Resp: 26388

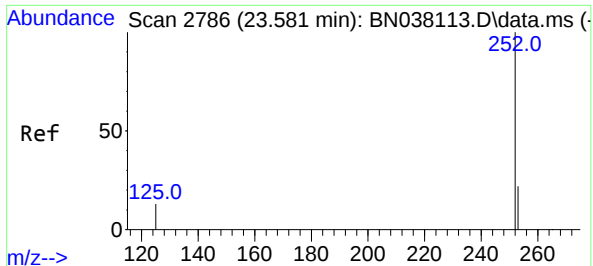
Ion Ratio Lower Upper

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

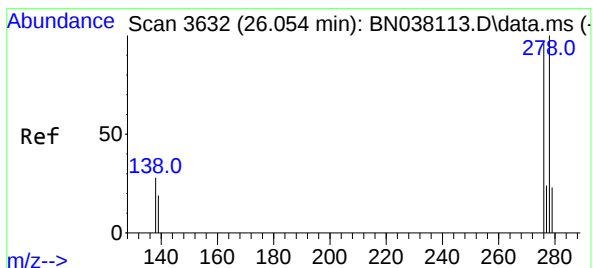
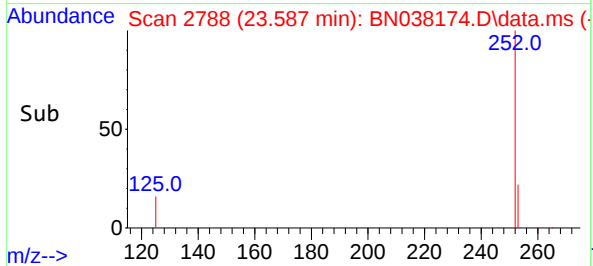
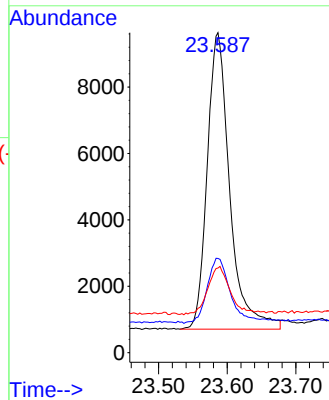
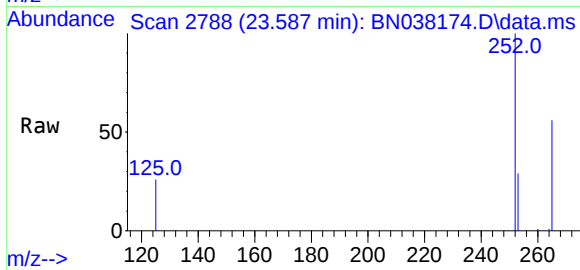
Tgt Ion:252 Resp: 20416

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

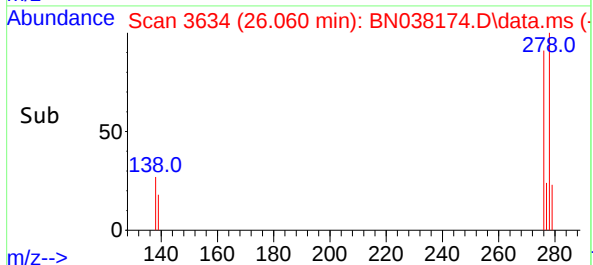
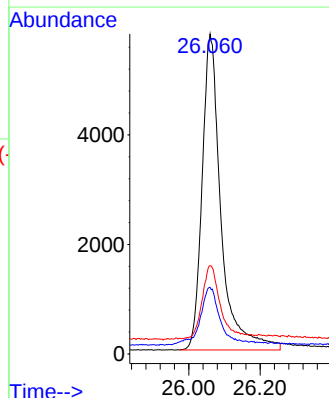
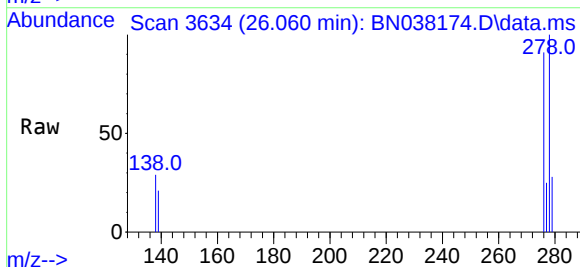
Tgt Ion:278 Resp: 21204

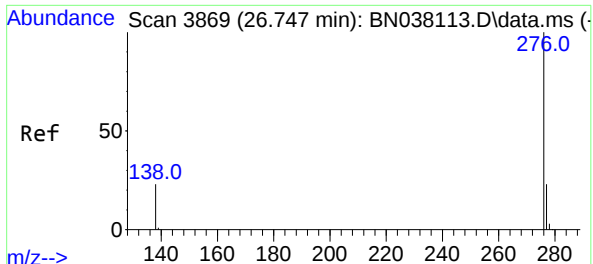
Ion Ratio Lower Upper

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

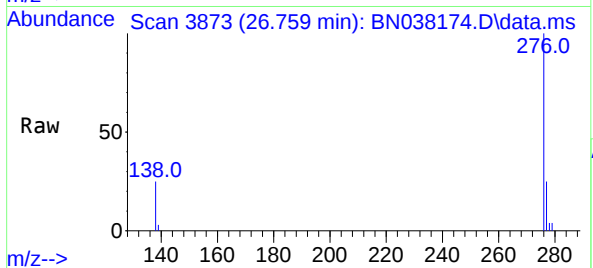
Acq: 10 Nov 2025 10:14

Instrument :

BNA_N

ClientSampleId :

SSTDCCC0.4



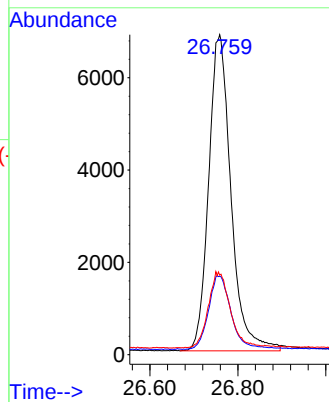
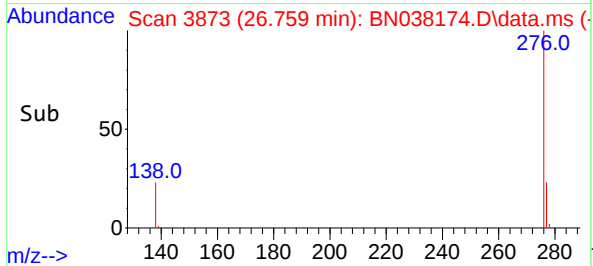
Tgt Ion:276 Resp: 24133

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



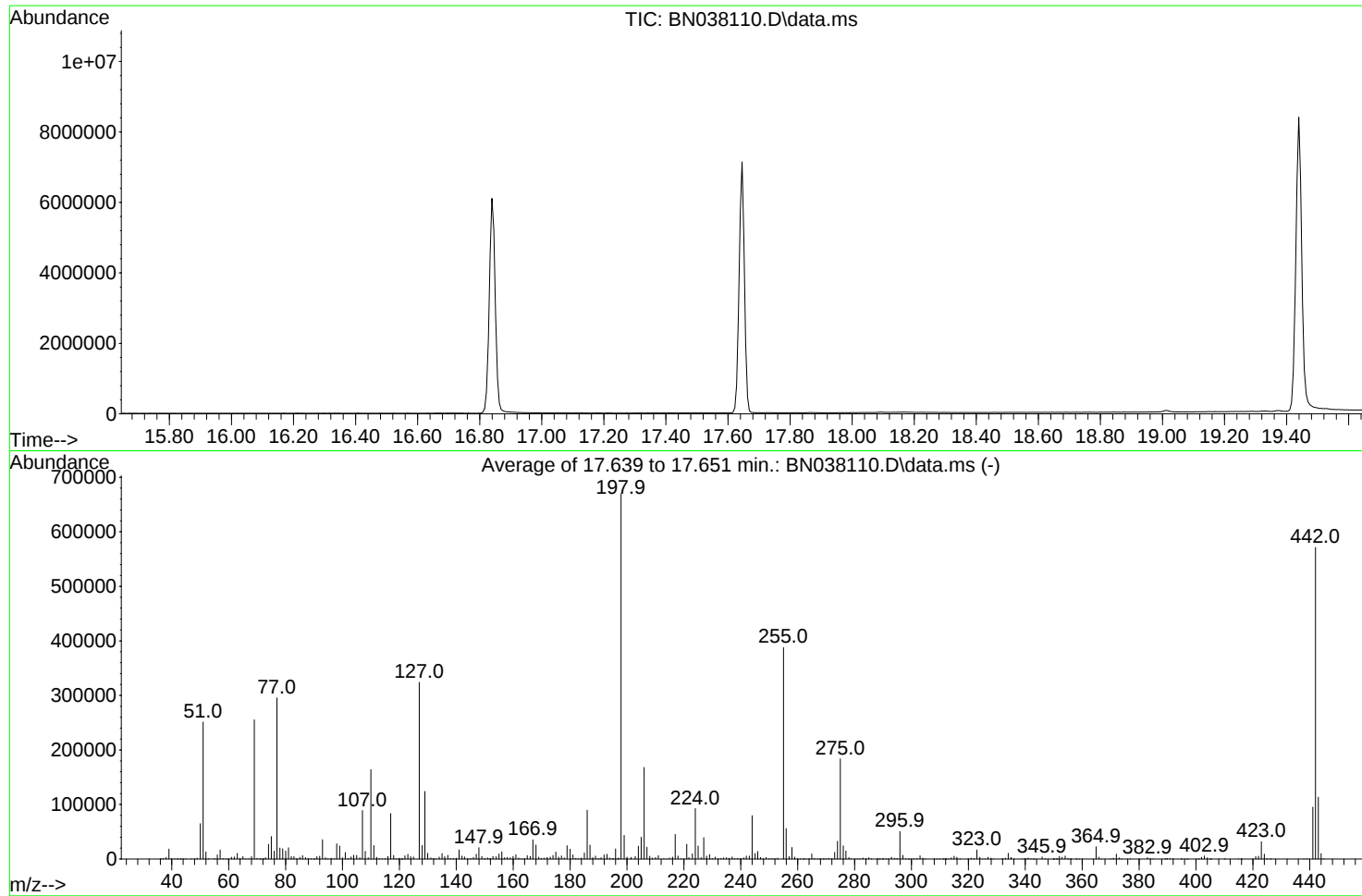
QC SAMPLE DATA

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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



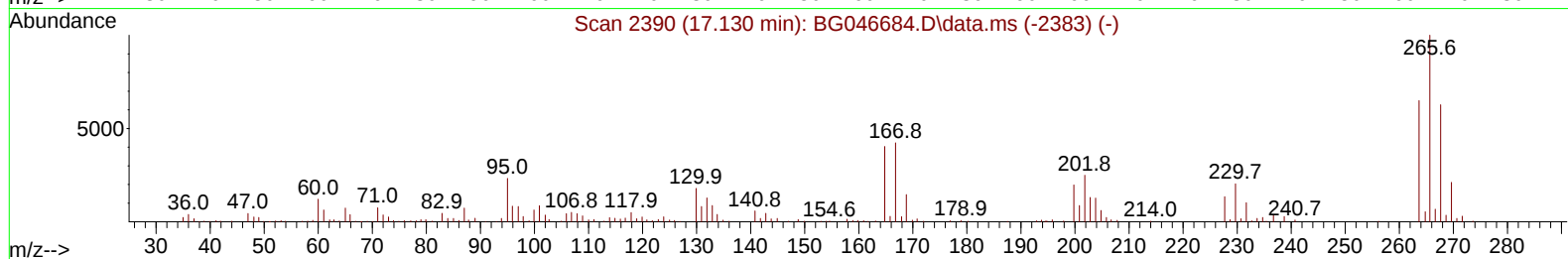
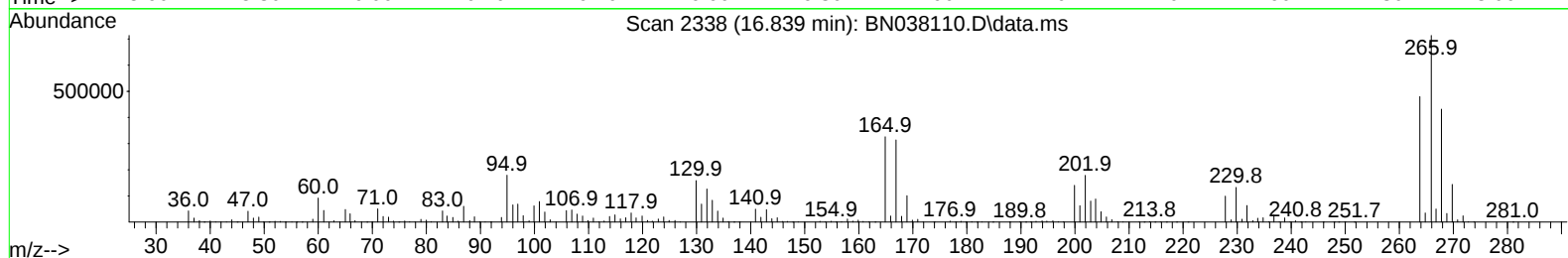
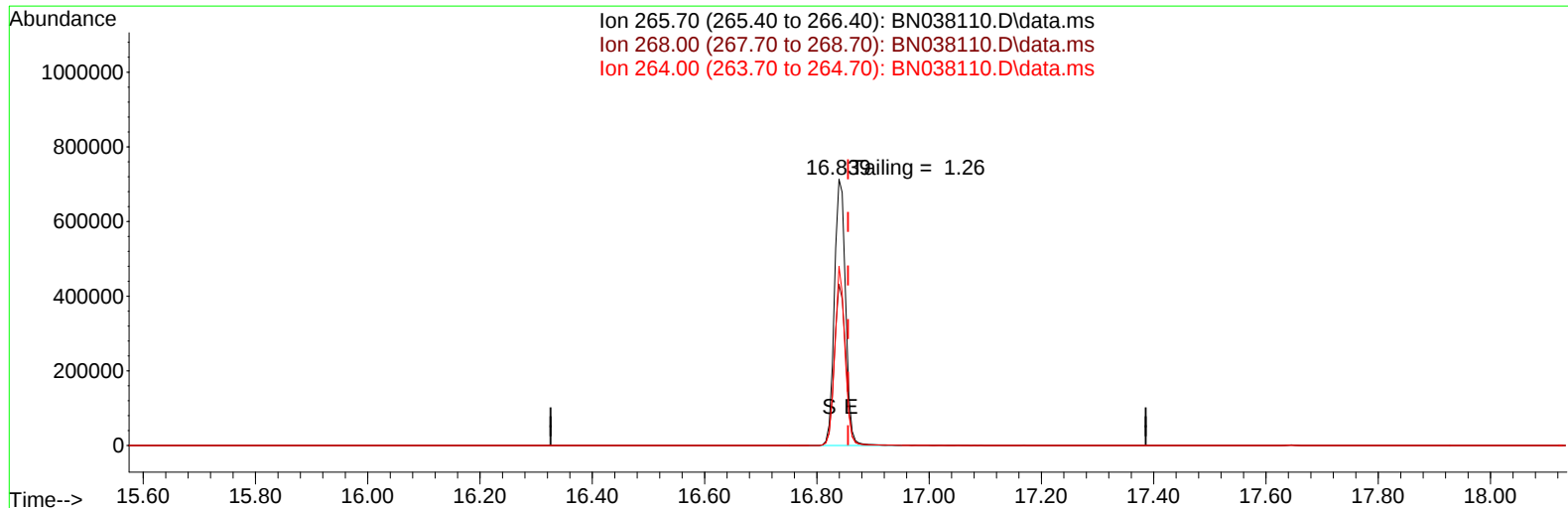
AutoFind: Scans 2474, 2475, 2476; Background Corrected with Scan 2467

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

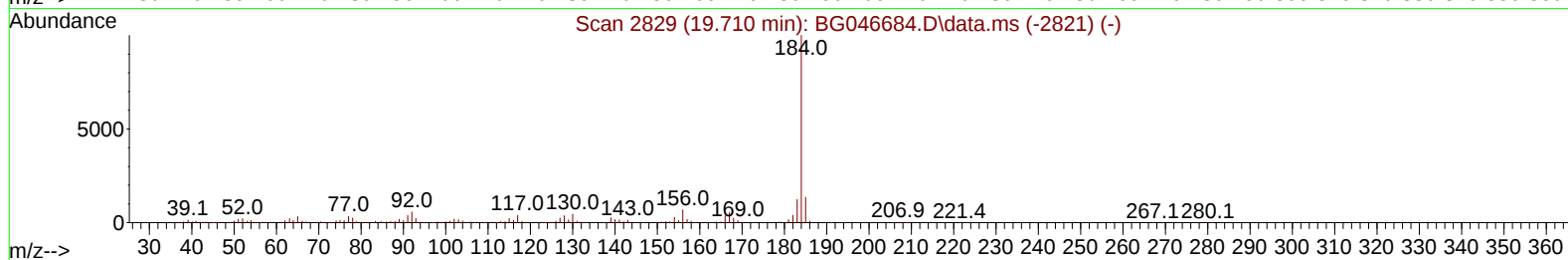
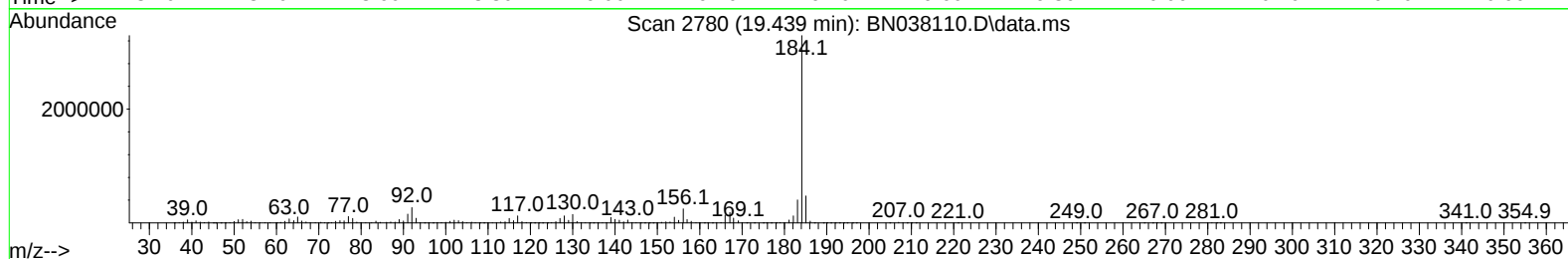
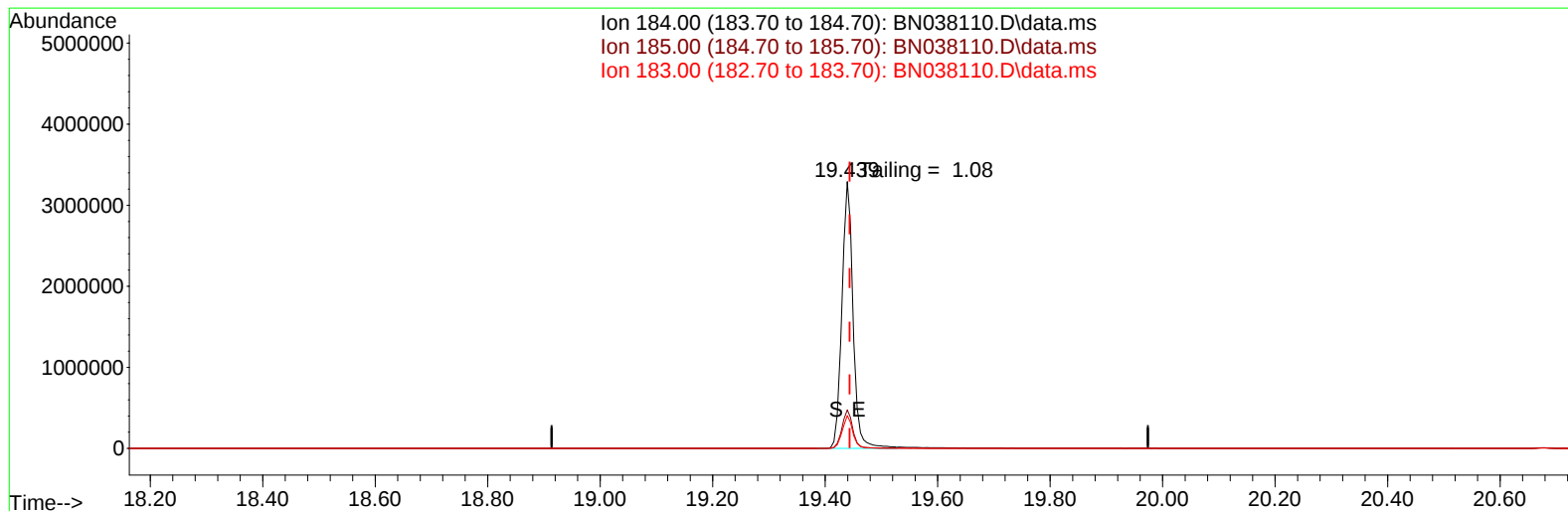
response 993628

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) Benizidine**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

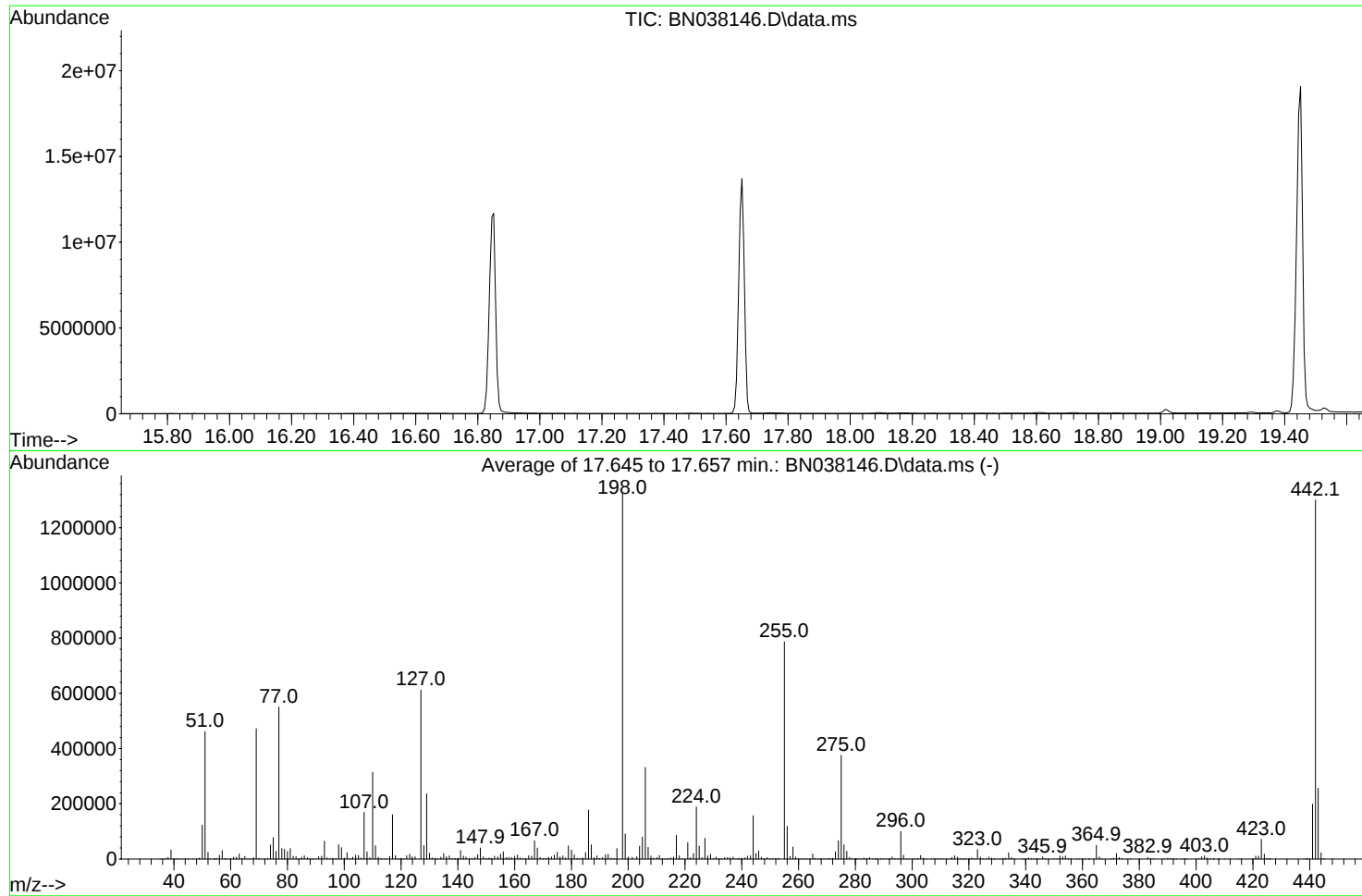
Instrument :
BNA_N
ClientSampleId :
DFTPP

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



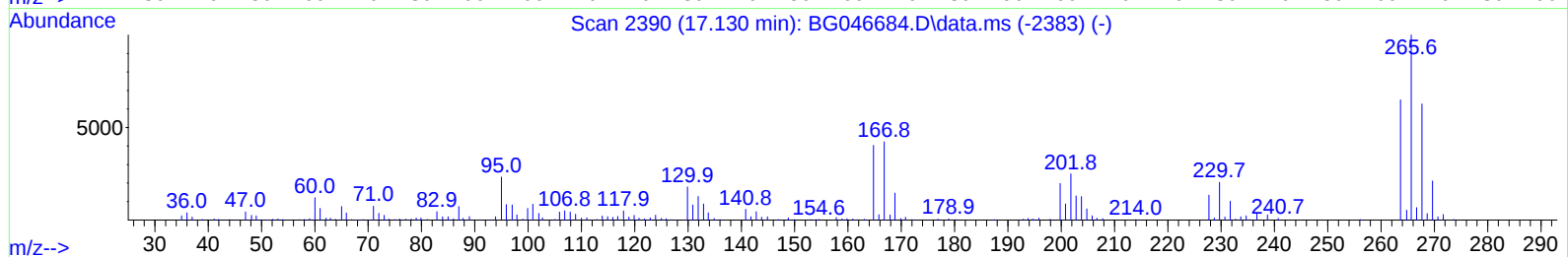
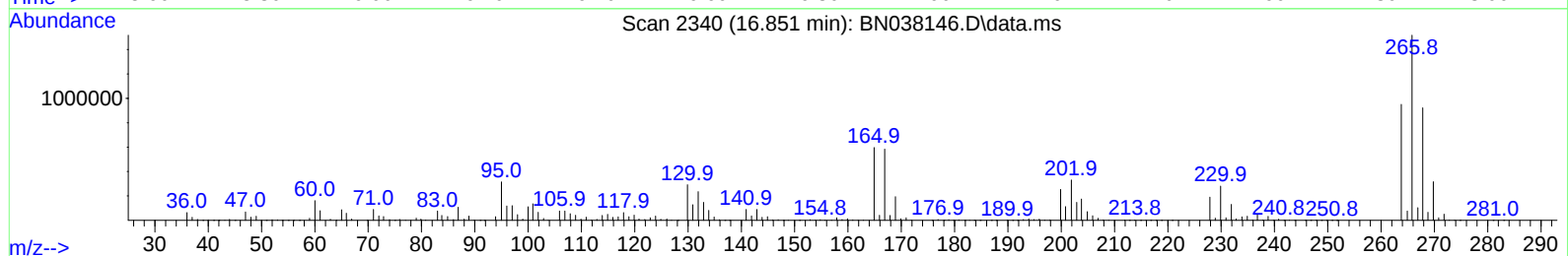
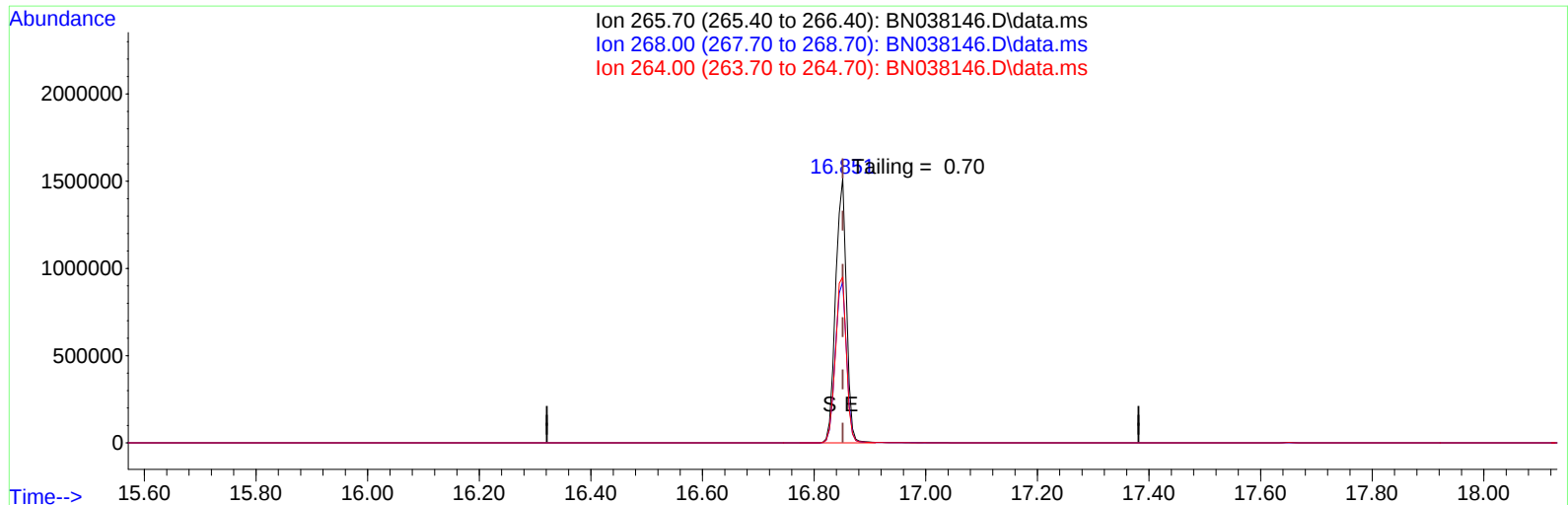
AutoFind: Scans 2475, 2476, 2477; Background Corrected with Scan 2467

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result 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



TIC: BN038146.D\data.ms

(70) Pentachlorophenol (C)

16.851min (0.000) 278.07 ng

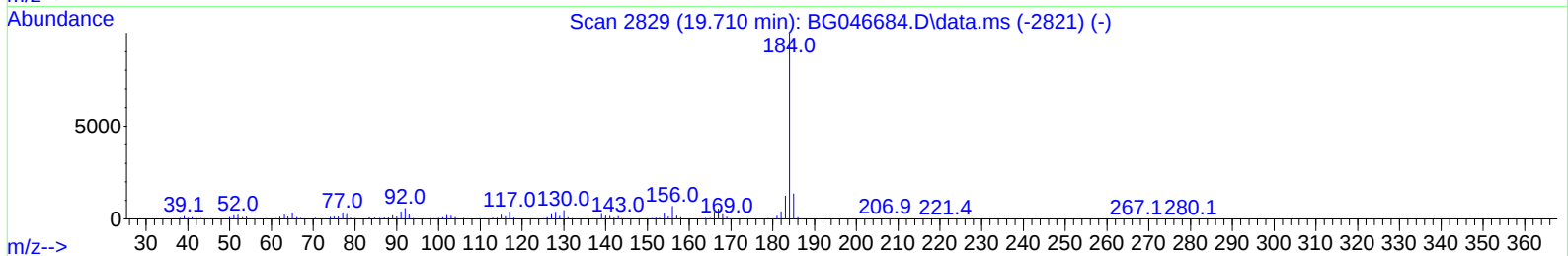
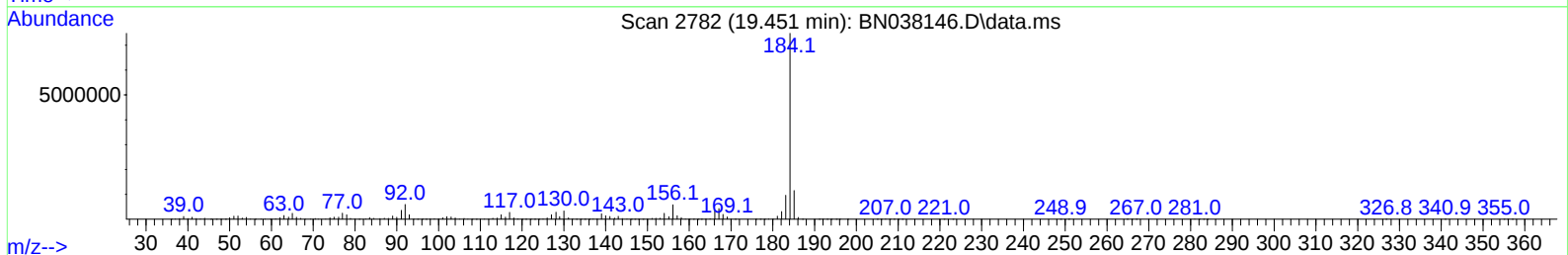
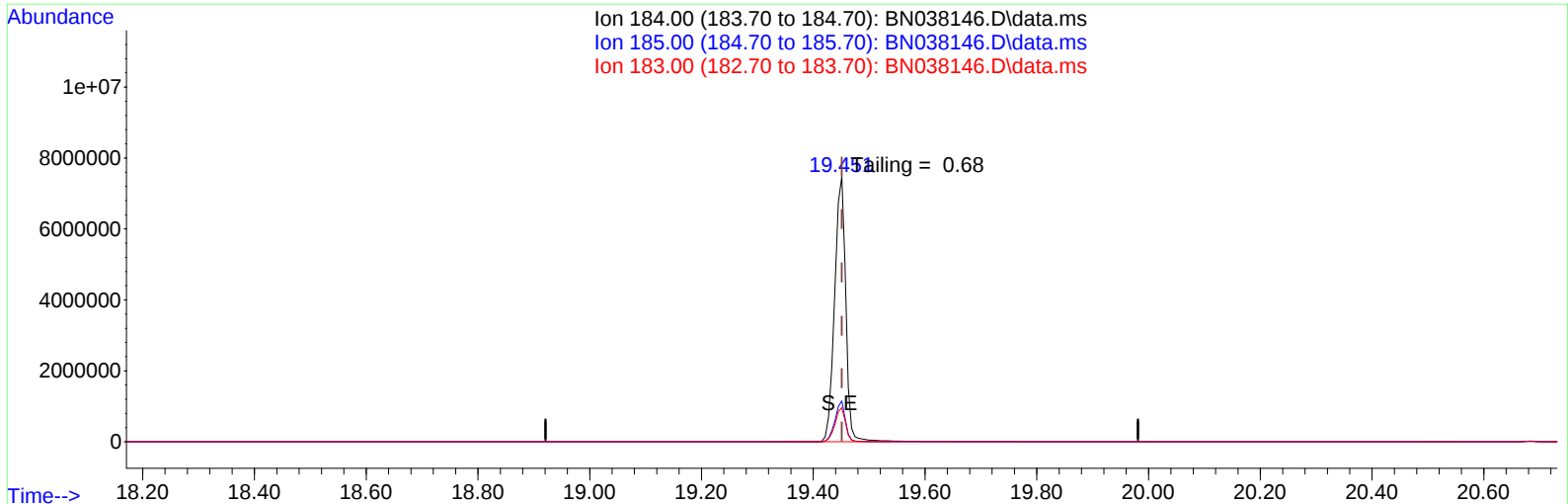
response 2058575

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

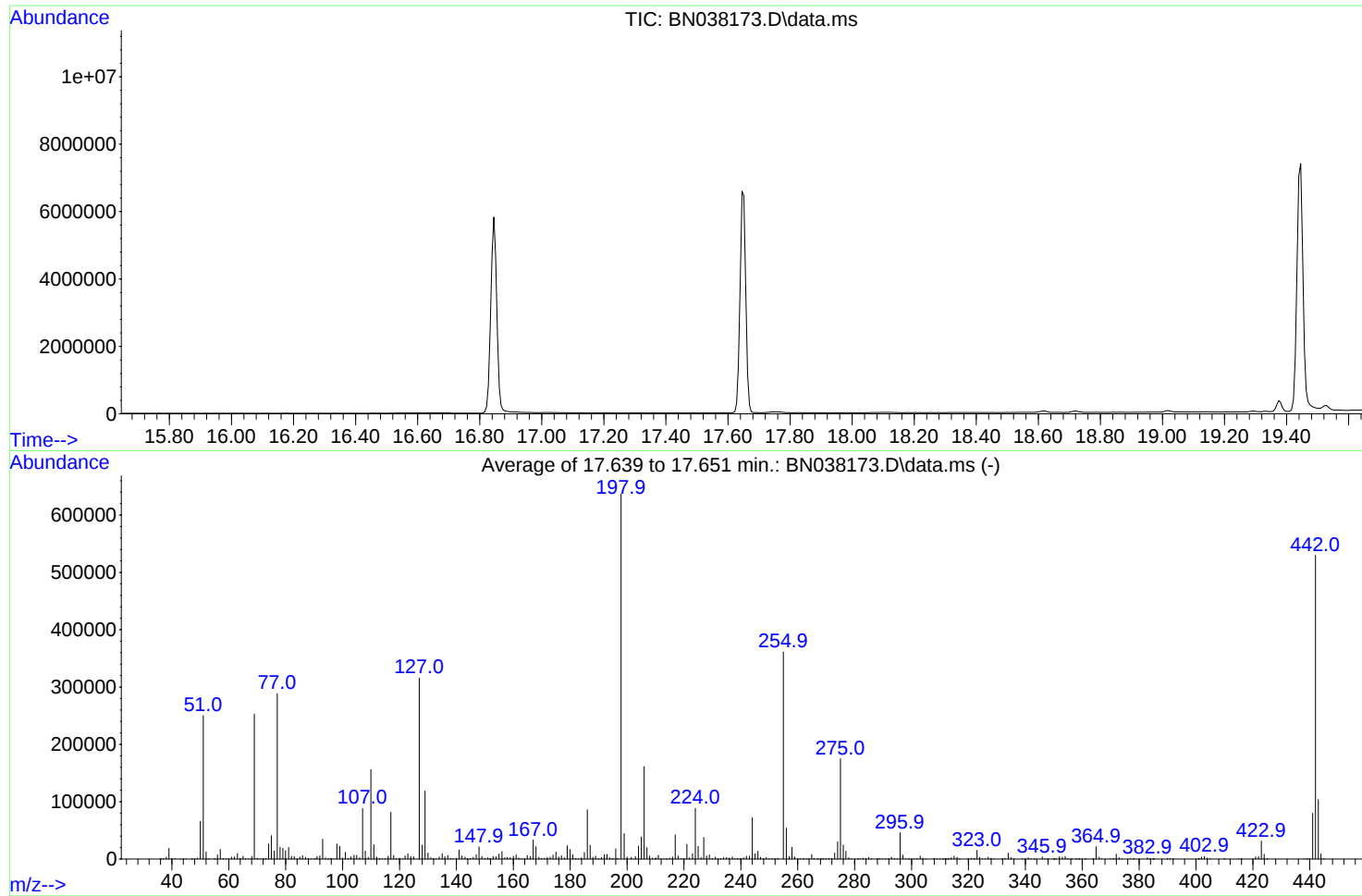
Instrument :
BNA_N
ClientSampleId :
DFTPP

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\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

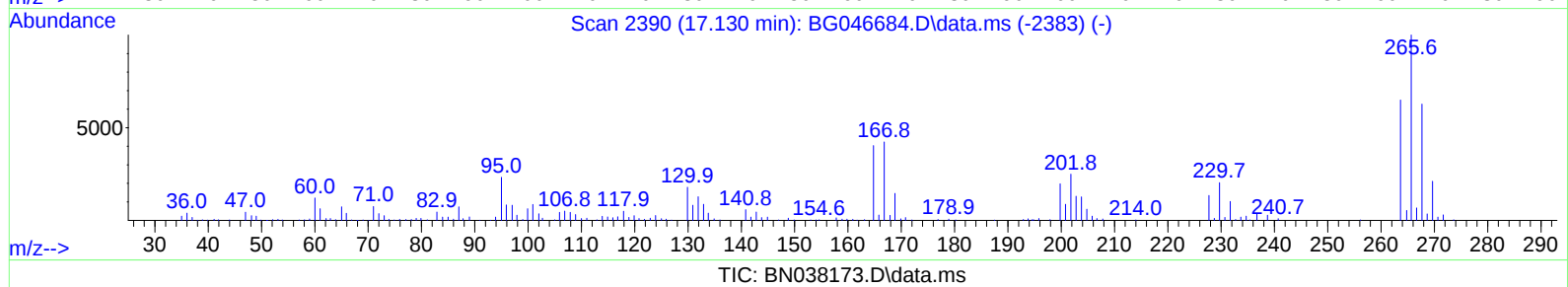
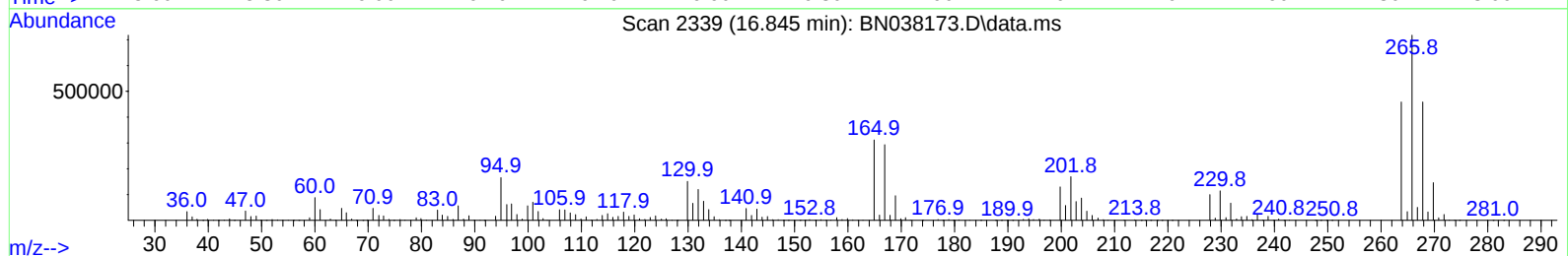
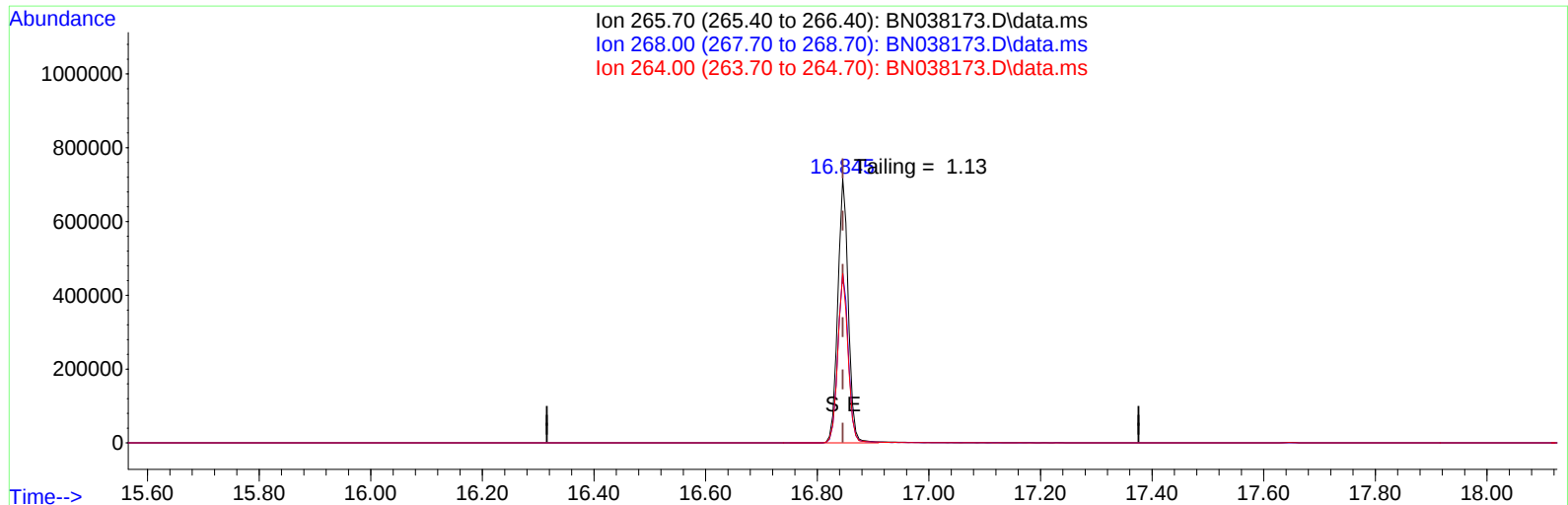
Date	Instrument Name	DFTPP Data File
11/10/2025	BNA_N	<u>BN038173.D</u>
Compound Name	Response	Retention Time
DDT	2452624	20.68
DDD	63755	20.239
DDE	8751	19.733
SUM(DDD+DDE)	SUM(DDT+DDD+DDE)	% Breakdown Of DDT
72506	2525130	2.87

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

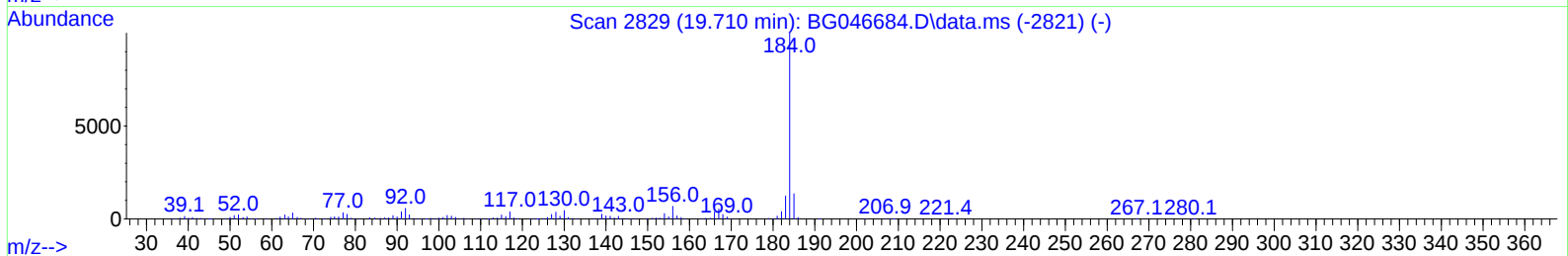
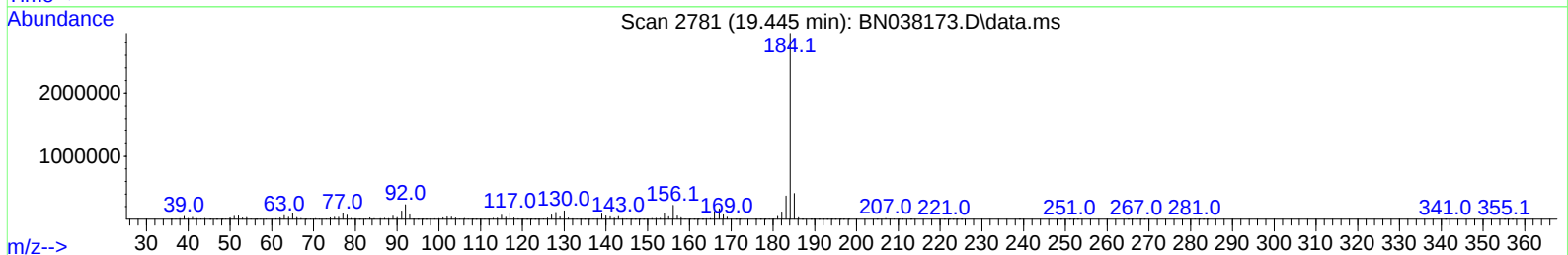
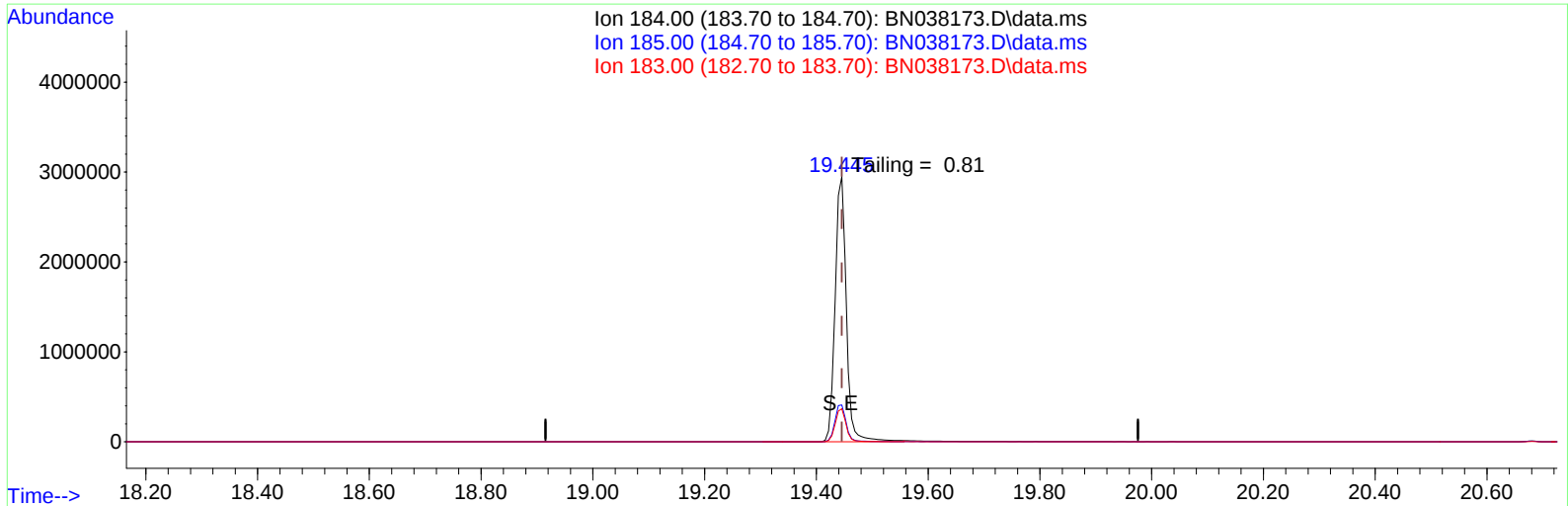
response 940981

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.:	Q3552
Lab Sample ID:	PB170427BL		Matrix:	Water
Analytical Method:	SW8270ESIM	Level: LOW	% Solid:	0
Sample Wt/Vol:	1000 mL	Final Vol: 1000 uL	Test:	SVOC-SIMGroup1
Prep Method :	3510C	Prep Date: 11/06/25		

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

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

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

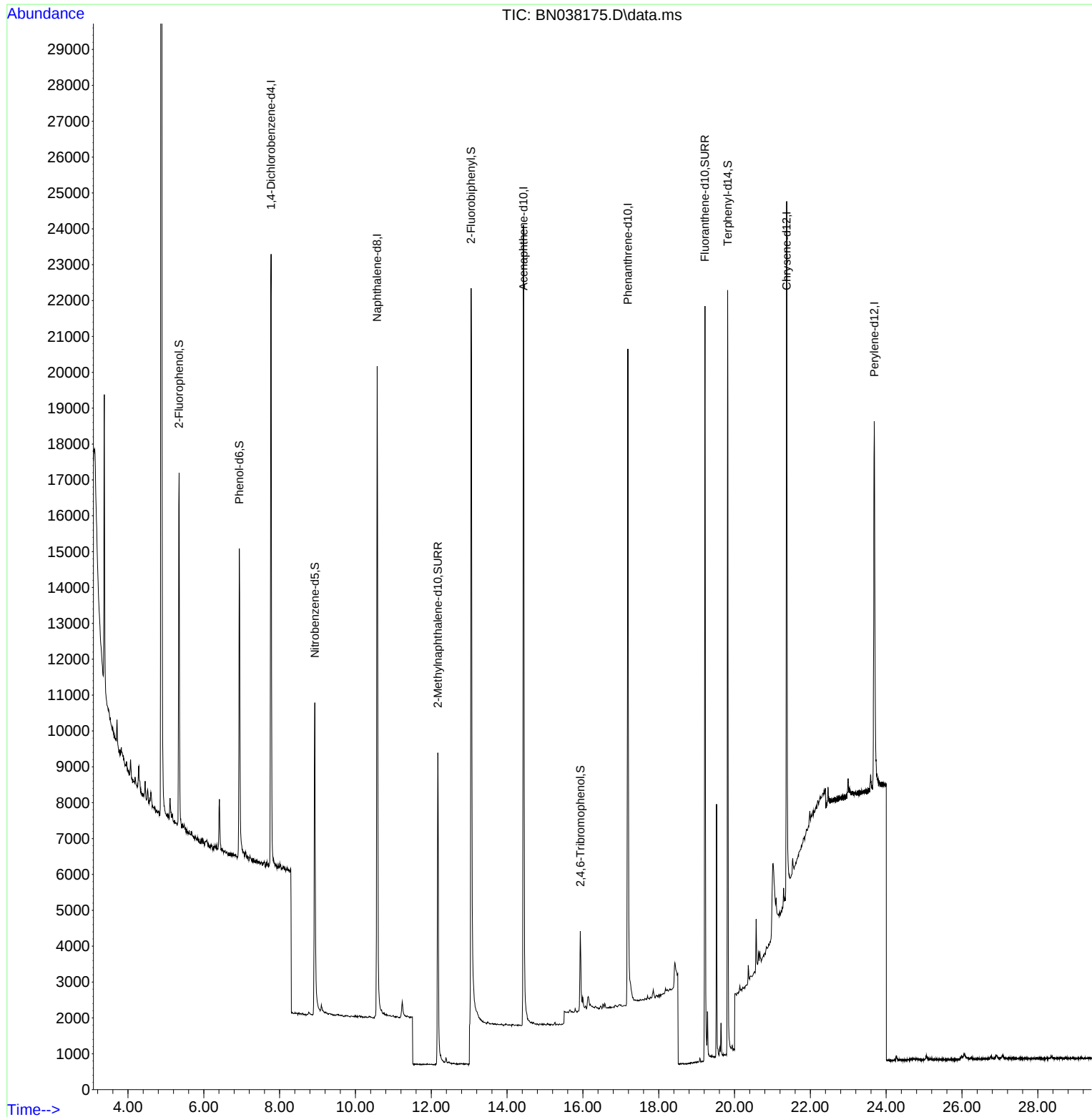
Target Compounds	Qvalue
-----	-----

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

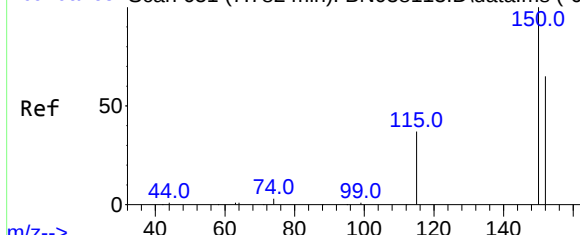
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN111025\
Data File : BN038175.D
Acq On : 10 Nov 2025 10:50
Operator : RC/JU
Sample : PB170427BL
Misc :
ALS Vial : 3 Sample Multiplier: 1

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# 61

Delta R.T. -0.000 min

Lab File: BN038175.D

Acq: 10 Nov 2025 10:50

Instrument :

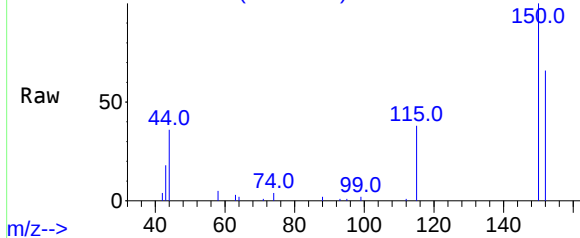
BNA_N

ClientSampleId :

PB170427BL

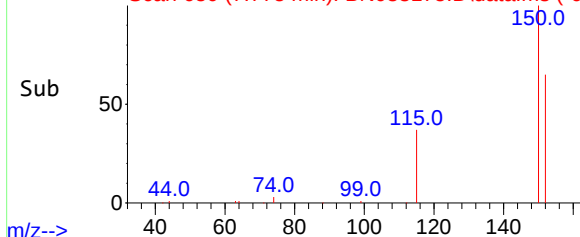
m/z-->

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



m/z-->

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



m/z-->

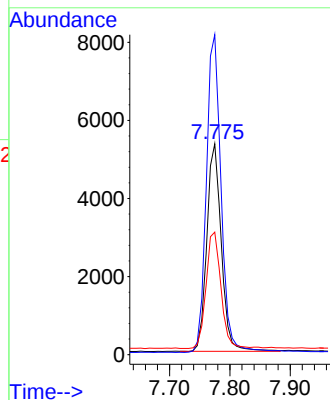
Tgt Ion:152 Resp: 8905

Ion Ratio Lower Upper

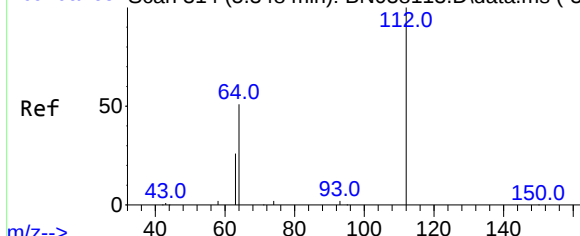
152 100

150 151.7 122.3 183.5

115 58.1 47.4 71.0

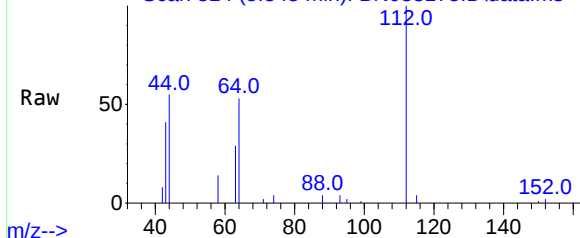


Abundance Scan 314 (5.348 min): BN038113.D\data.ms (-30



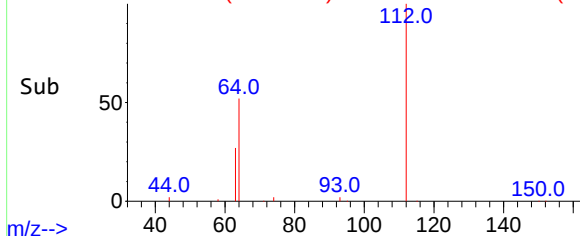
m/z-->

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



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

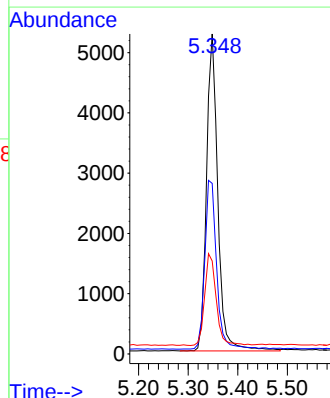
Tgt Ion:112 Resp: 8333

Ion Ratio Lower Upper

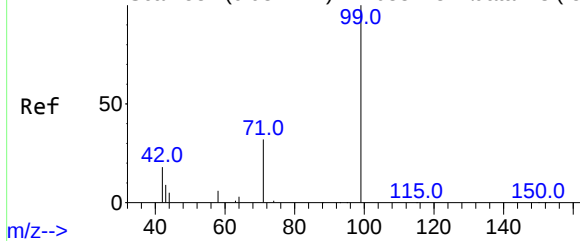
112 100

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

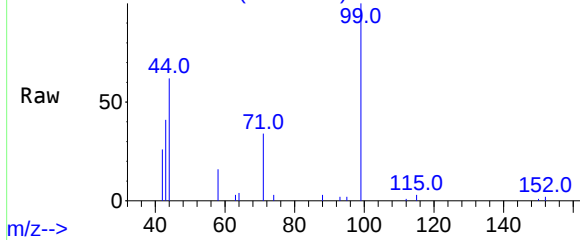
ClientSampleId :

PB170427BL

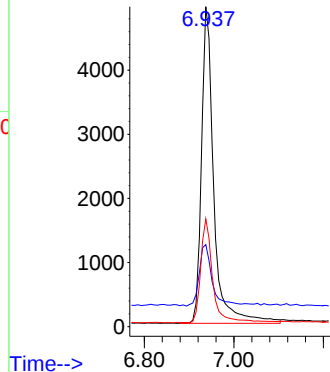
Tgt Ion: 99 Resp: 9450

Ion	Ratio	Lower	Upper
99	100		
42	20.2	16.6	24.8
71	31.8	25.4	38.2

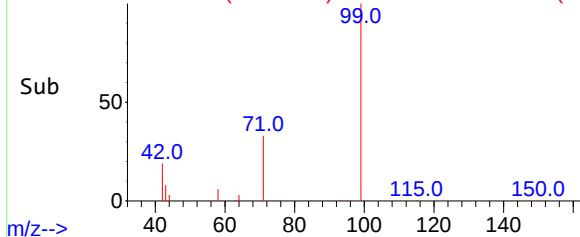
Abundance Scan 534 (6.937 min): BN038175.D\data.ms



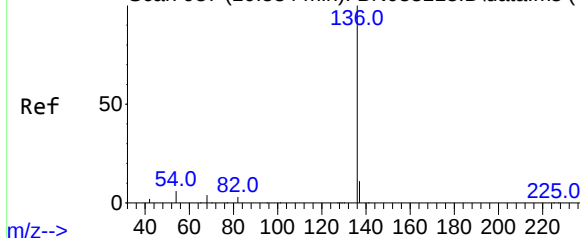
Abundance



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

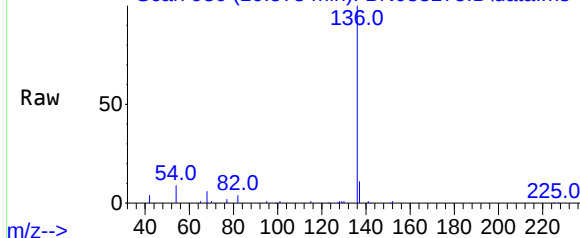
Lab File: BN038175.D

Acq: 10 Nov 2025 10:50

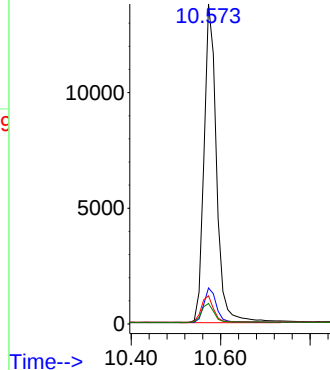
Tgt Ion: 136 Resp: 26771

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#

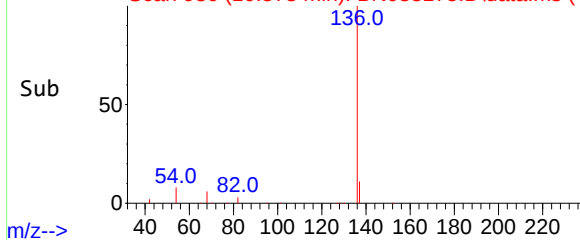
Abundance Scan 936 (10.573 min): BN038175.D\data.ms

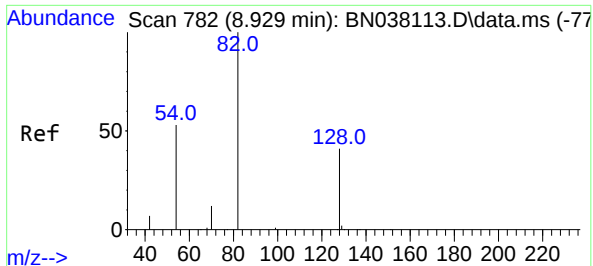


Abundance



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

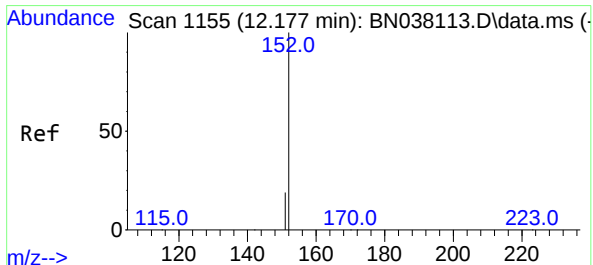
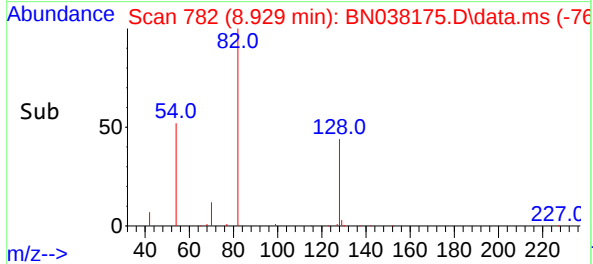
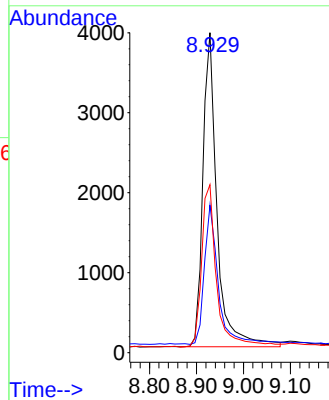
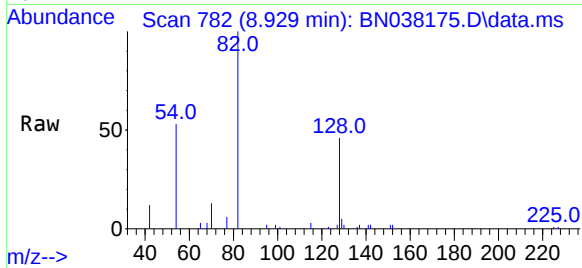




#8
Nitrobenzene-d5
Concen: 0.381 ng
RT: 8.929 min Scan# 71
Delta R.T. 0.000 min
Lab File: BN038175.D
Acq: 10 Nov 2025 10:50

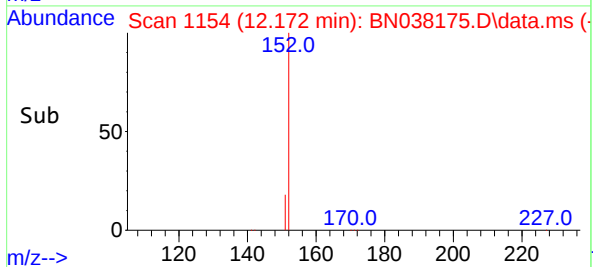
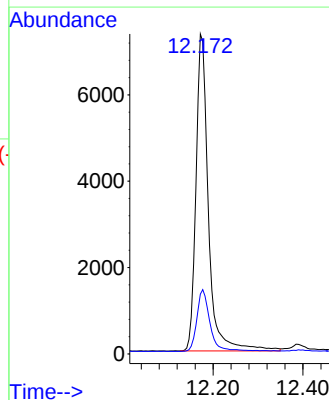
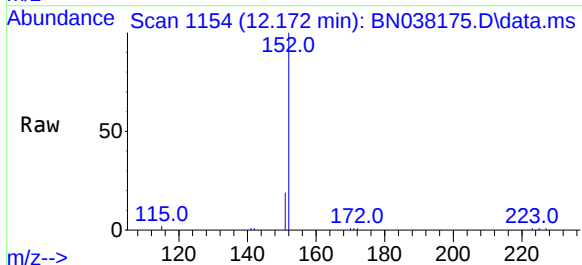
Instrument :
BNA_N
ClientSampleId :
PB170427BL

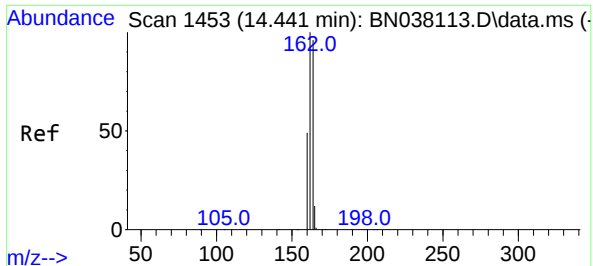
Tgt Ion: 82 Resp: 8230
Ion Ratio Lower Upper
82 100
128 46.1 34.1 51.1
54 52.5 43.5 65.3



#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

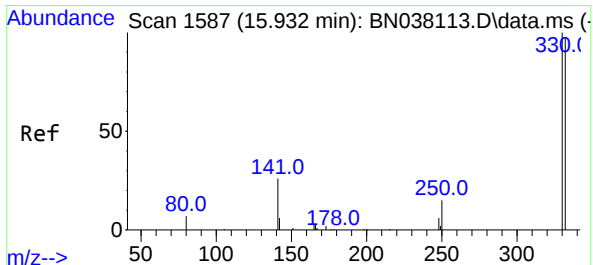
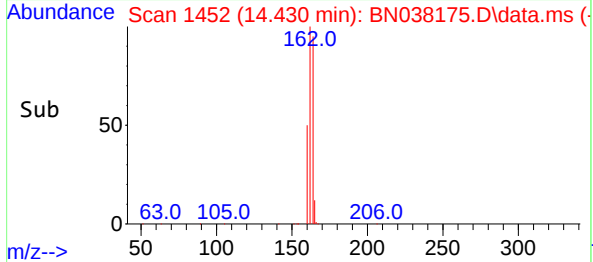
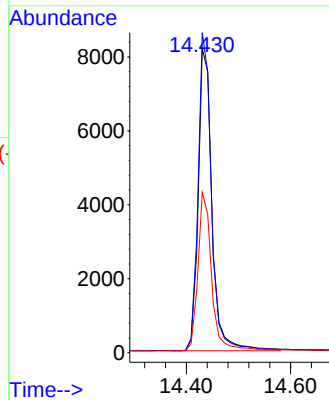
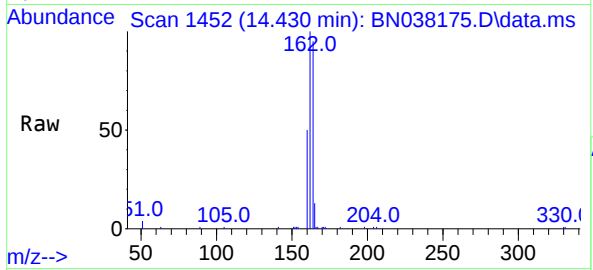




#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.430 min Scan# 1453
Delta R.T. 0.000 min
Lab File: BN038175.D
Acq: 10 Nov 2025 10:50

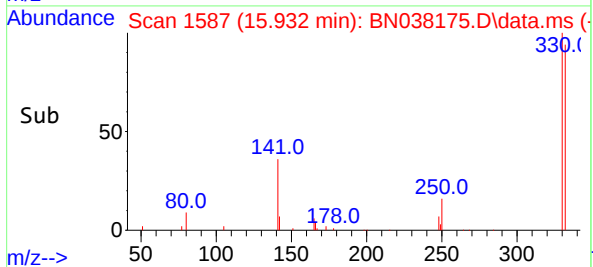
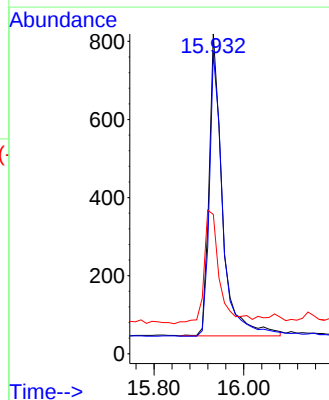
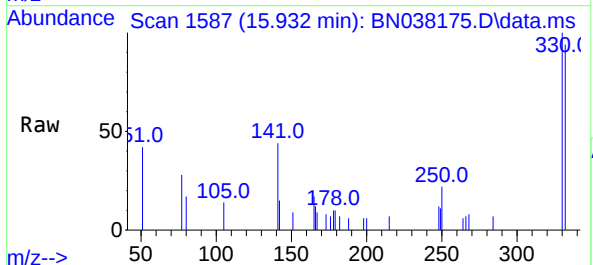
Instrument :
BNA_N
ClientSampleId :
PB170427BL

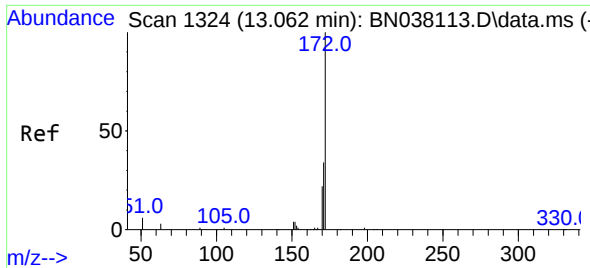
Tgt Ion:164 Resp: 15040
Ion Ratio Lower Upper
164 100
162 105.2 83.0 124.4
160 52.7 40.7 61.1



#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

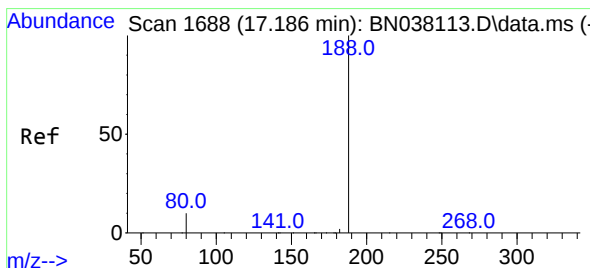
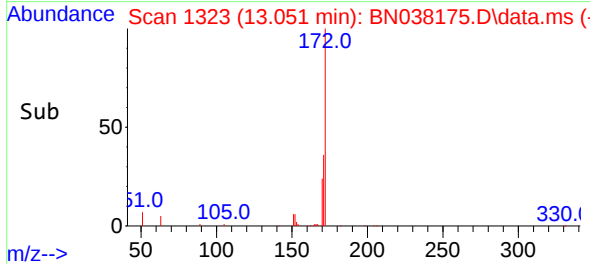
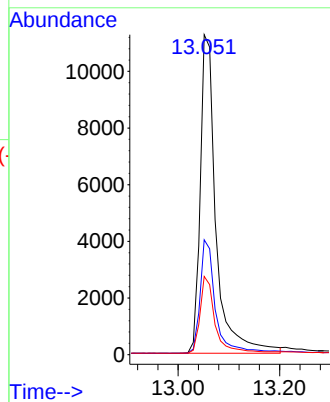
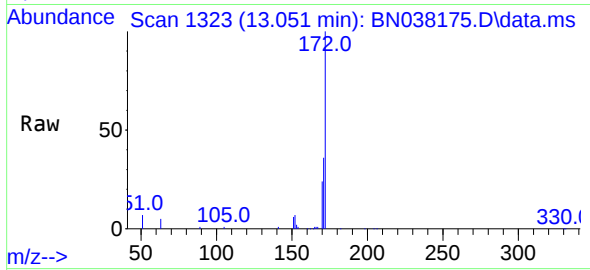




#15
2-Fluorobiphenyl
Concen: 0.393 ng
RT: 13.051 min Scan# 1323
Delta R.T. 0.000 min
Lab File: BN038175.D
Acq: 10 Nov 2025 10:50

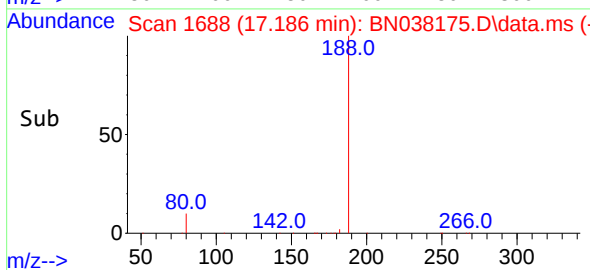
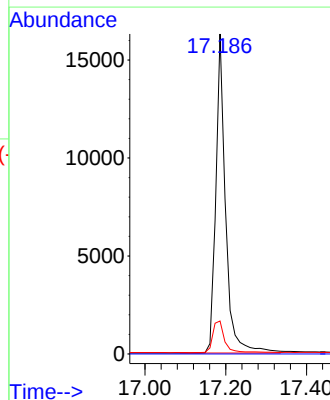
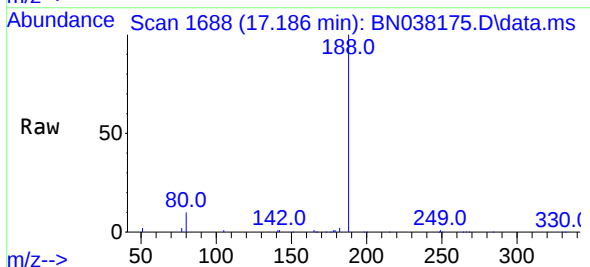
Instrument :
BNA_N
ClientSampleId :
PB170427BL

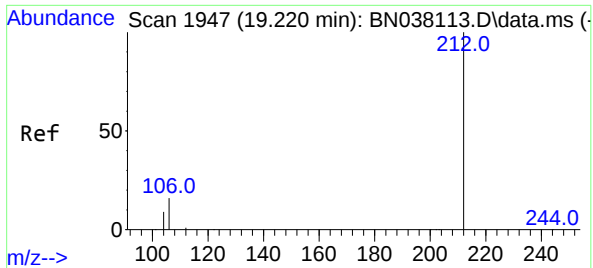
Tgt Ion:172 Resp: 23653
Ion Ratio Lower Upper
172 100
171 35.9 27.8 41.6
170 24.4 18.1 27.1



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

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

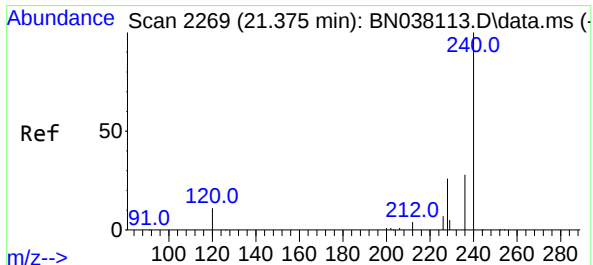
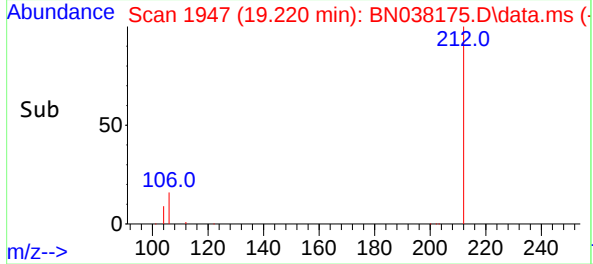
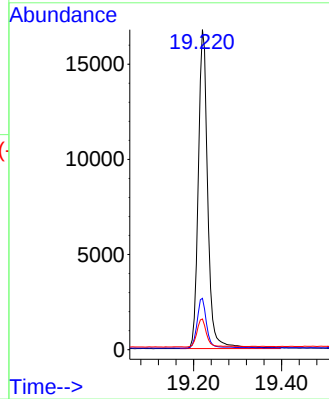
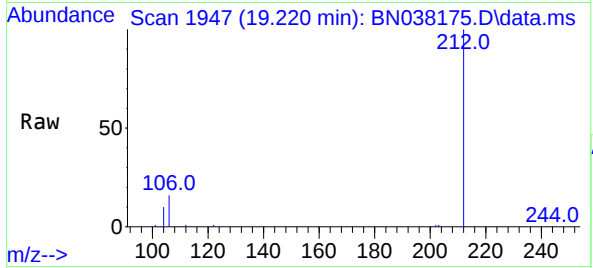




#27
Fluoranthene-d10
Concen: 0.363 ng
RT: 19.220 min Scan# 1947
Delta R.T. 0.000 min
Lab File: BN038175.D
Acq: 10 Nov 2025 10:50

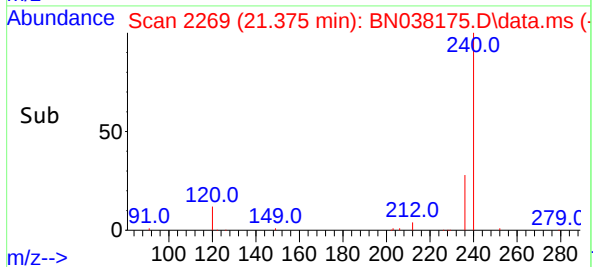
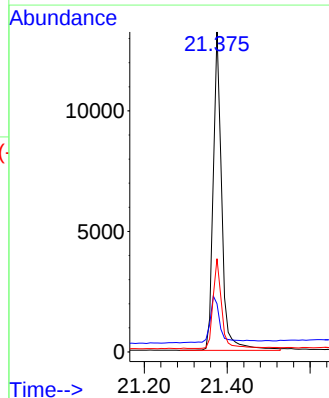
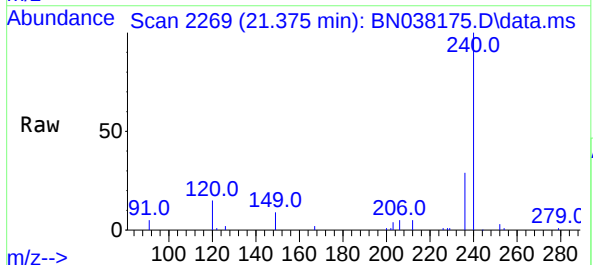
Instrument :
BNA_N
ClientSampleId :
PB170427BL

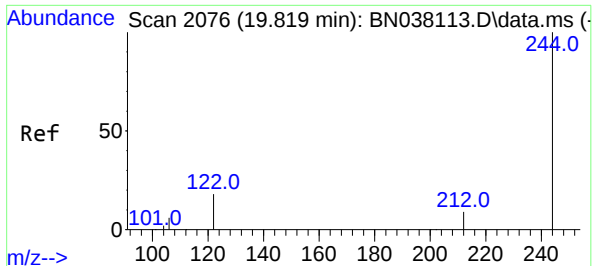
Tgt Ion:212 Resp: 24982
Ion Ratio Lower Upper
212 100
106 15.9 12.6 19.0
104 8.9 7.1 10.7



#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.375 min Scan# 2269
Delta R.T. 0.000 min
Lab File: BN038175.D
Acq: 10 Nov 2025 10:50

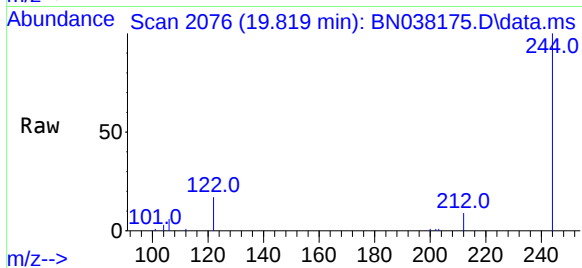
Tgt Ion:240 Resp: 18808
Ion Ratio Lower Upper
240 100
120 15.0 10.7 16.1
236 29.2 23.1 34.7



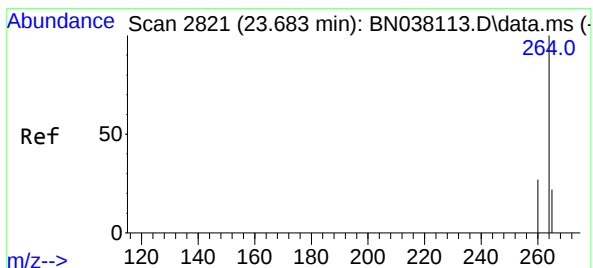
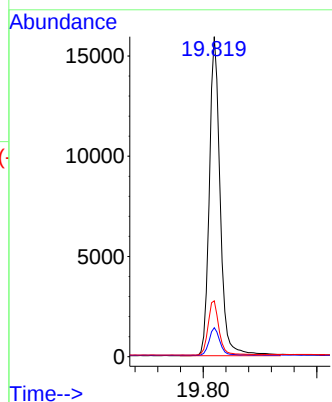


#31
Terphenyl-d14
Concen: 0.515 ng
RT: 19.819 min Scan# 2076
Delta R.T. 0.000 min
Lab File: BN038175.D
Acq: 10 Nov 2025 10:50

Instrument :
BNA_N
ClientSampleId :
PB170427BL

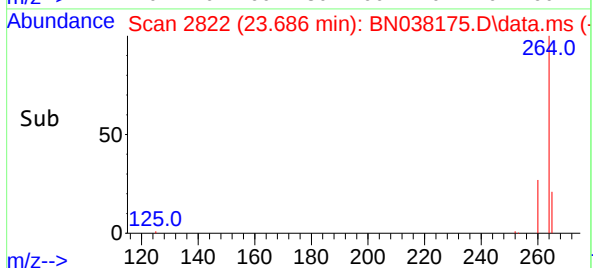
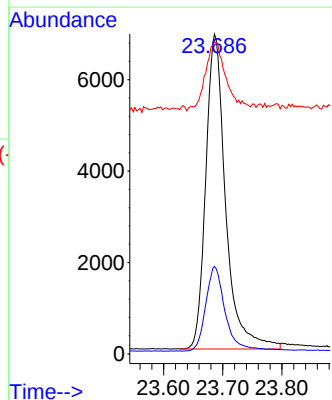
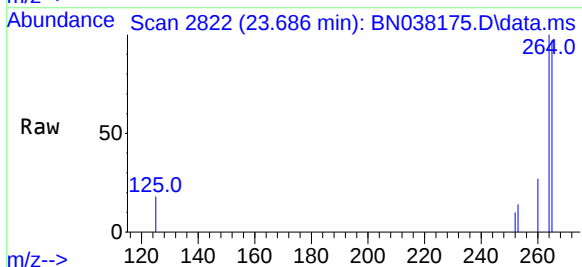


Tgt Ion:244 Resp: 21057
Ion Ratio Lower Upper
244 100
212 9.1 7.8 11.6
122 17.5 15.2 22.8



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

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





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.:	Q3552
Lab Sample ID:	PB170427BS		Matrix:	Water
Analytical Method:	SW8270ESIM	Level: LOW	% Solid:	0
Sample Wt/Vol:	1000 mL	Final Vol: 1000 uL	Test:	SVOC-SIMGroup1
Prep Method :	3510C	Prep Date: 11/06/25		

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

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

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)

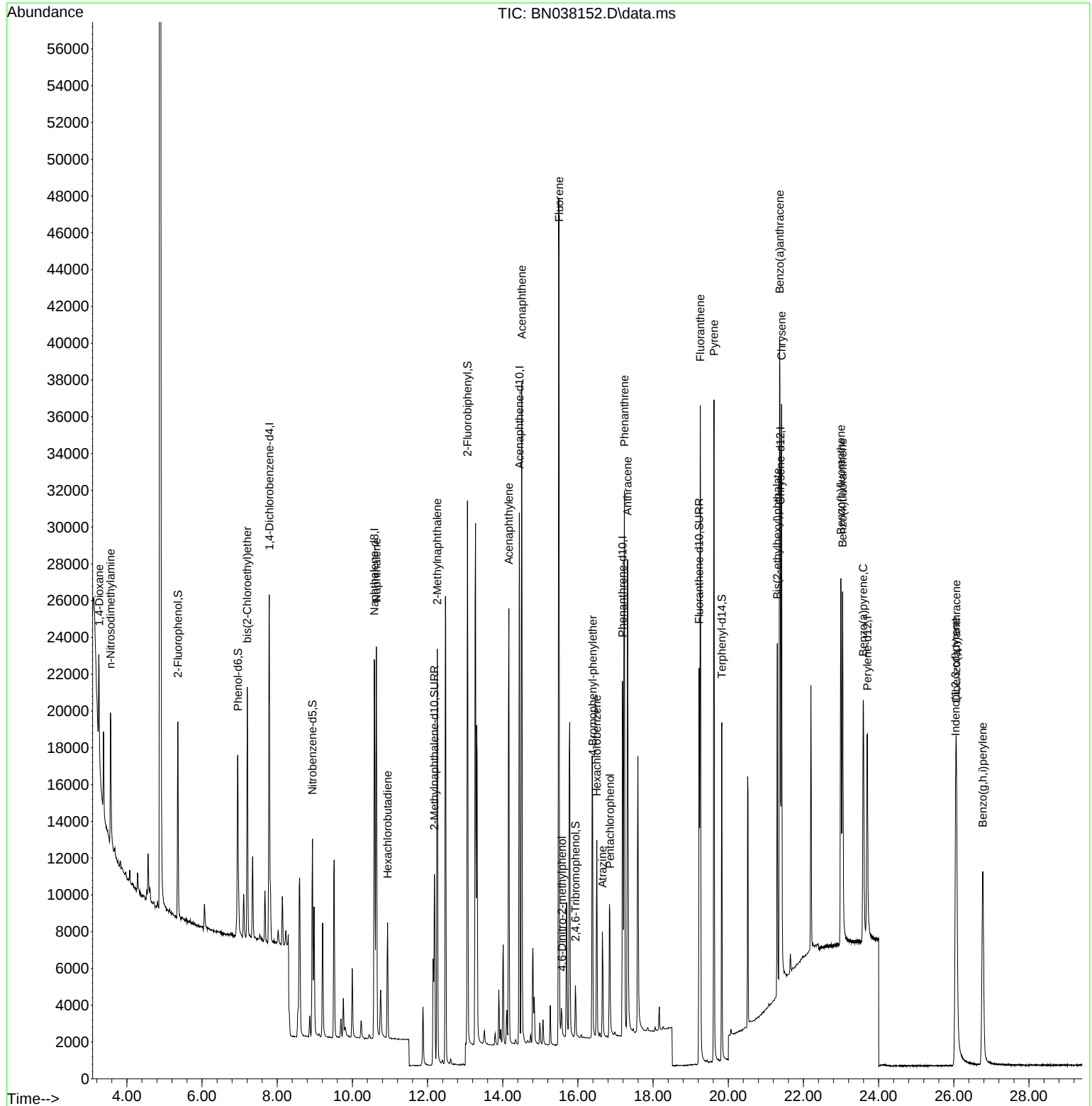
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.789	152	9551	0.400	ng	0.01
7) Naphthalene-d8	10.584	136	28713	0.400	ng	# 0.01
13) Acenaphthene-d10	14.441	164	15548	0.400	ng	0.01
19) Phenanthrene-d10	17.186	188	28280	0.400	ng	# 0.00
29) Chrysene-d12	21.384	240	19896	0.400	ng	0.00
35) Perylene-d12	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

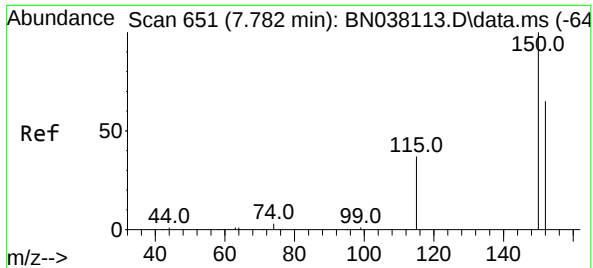
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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

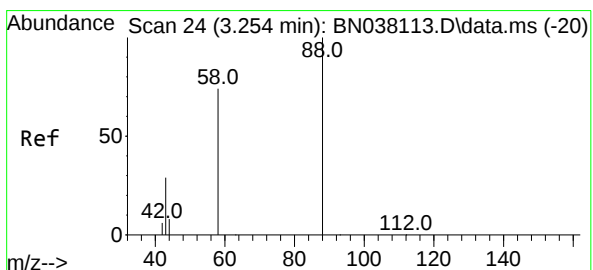
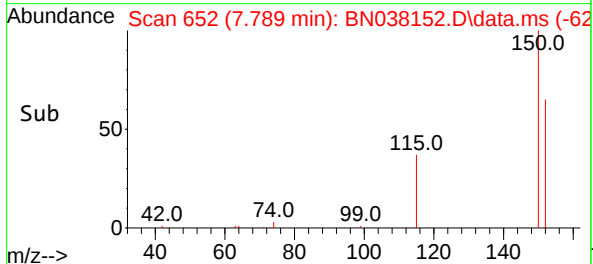
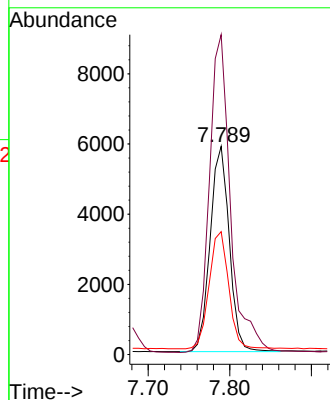
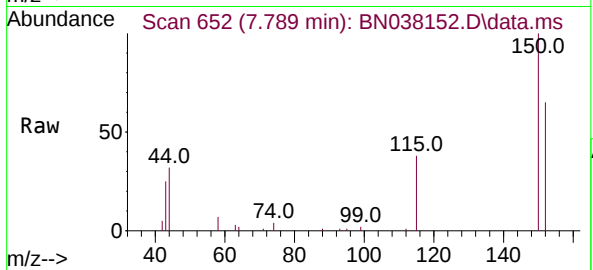




#1
 1,4-Dichlorobenzene-d4
 Concen: 0.400 ng
 RT: 7.789 min Scan# 61
 Delta R.T. 0.014 min
 Lab File: BN038152.D
 Acq: 07 Nov 2025 13:44

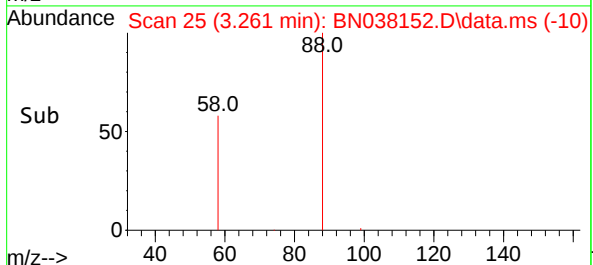
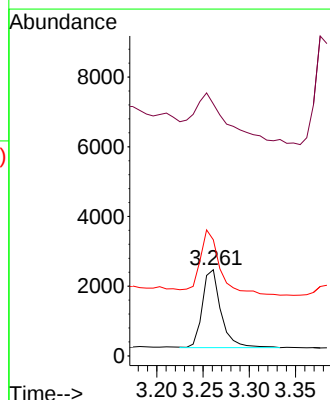
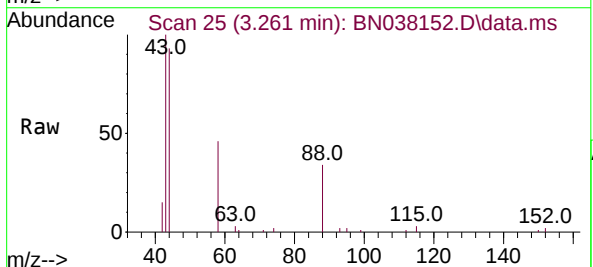
Instrument :
 BNA_N
 ClientSampleId :
 PB170427BS

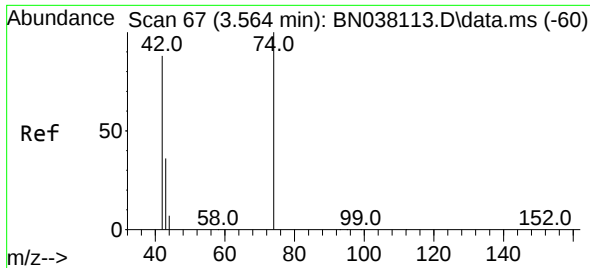
Tgt Ion:152 Resp: 9551
 Ion Ratio Lower Upper
 152 100
 150 153.7 122.3 183.5
 115 59.1 47.4 71.0



#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#

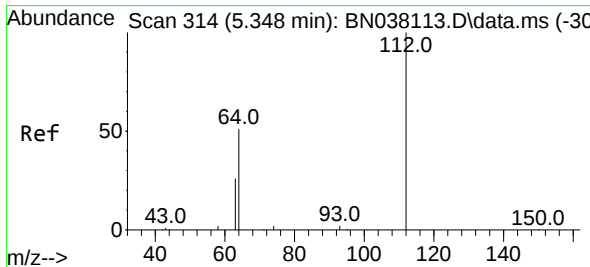
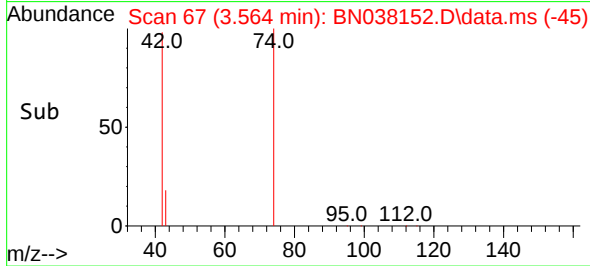
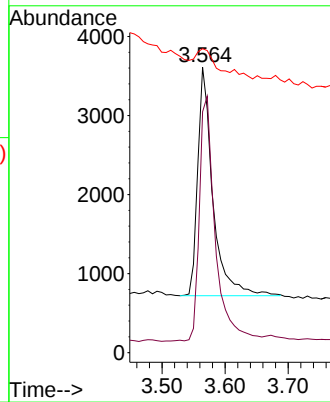
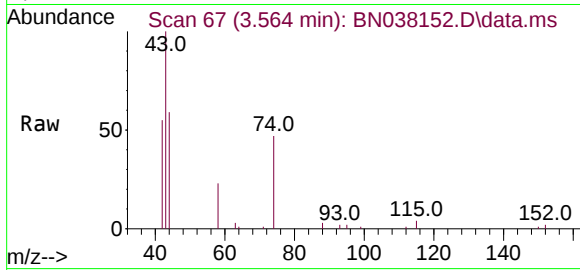




#3
n-Nitrosodimethylamine
Concen: 0.379 ng
RT: 3.564 min Scan# 61
Delta R.T. 0.007 min
Lab File: BN038152.D
Acq: 07 Nov 2025 13:44

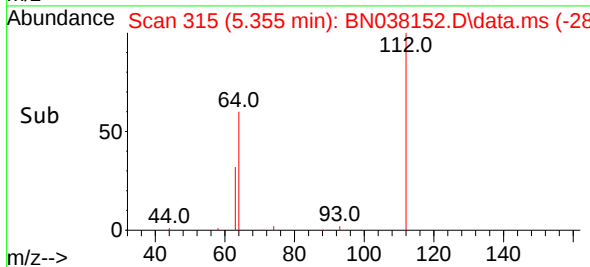
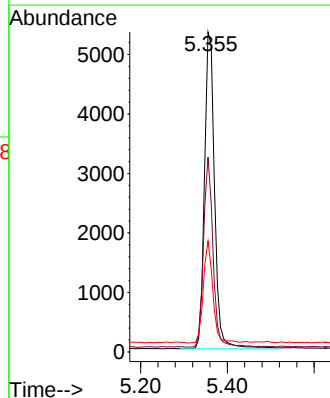
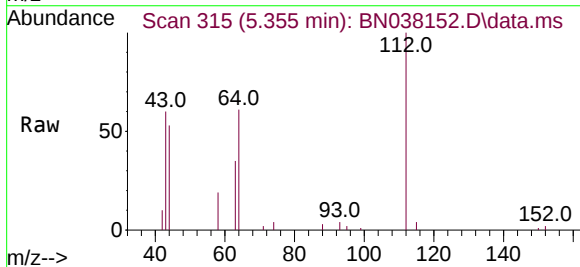
Instrument :
BNA_N
ClientSampleId :
PB170427BS

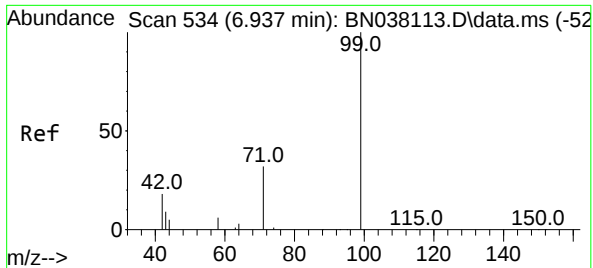
Tgt Ion: 42 Resp: 4808
Ion Ratio Lower Upper
42 100
74 112.5 96.8 145.2
44 20.7 5.3 7.9#



#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

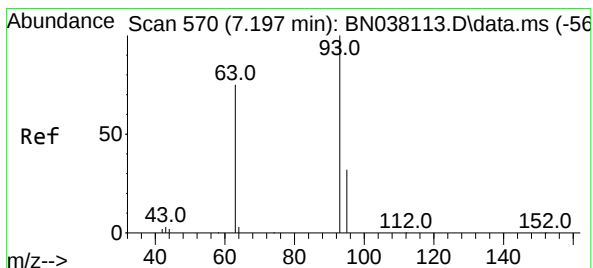
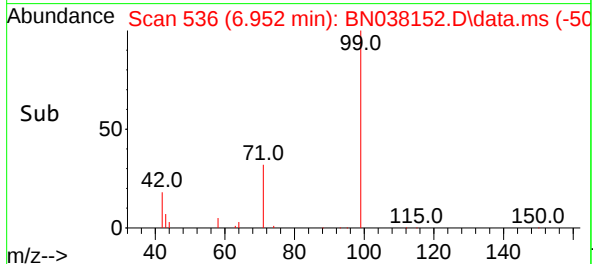
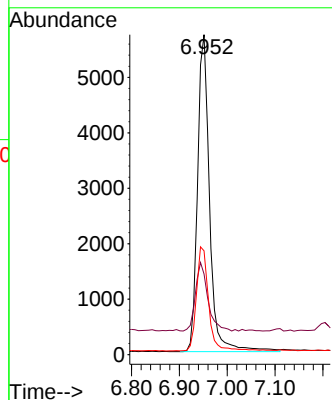
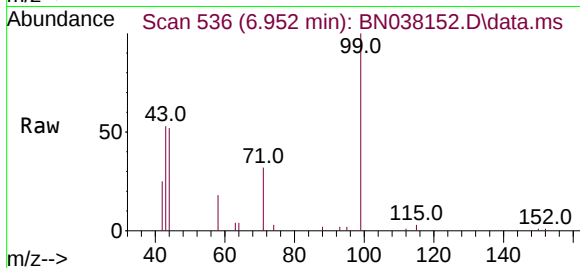




#5
Phenol-d6
Concen: 0.364 ng
RT: 6.952 min Scan# 534
Delta R.T. 0.014 min
Lab File: BN038152.D
Acq: 07 Nov 2025 13:44

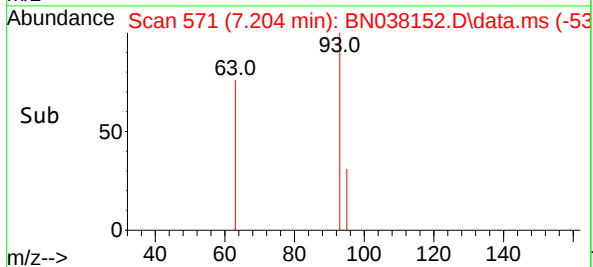
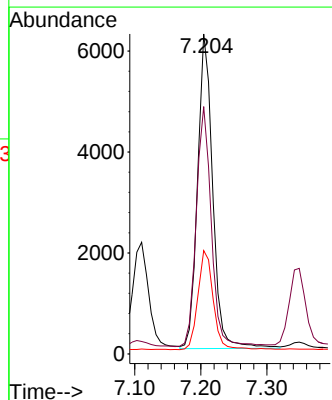
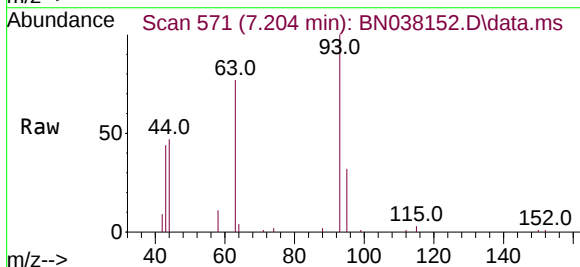
Instrument :
BNA_N
ClientSampleId :
PB170427BS

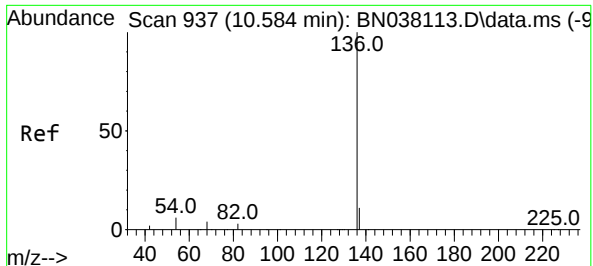
Tgt Ion	Ratio	Lower	Upper
99	100		
42	22.1	16.6	24.8
71	33.5	25.4	38.2



#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

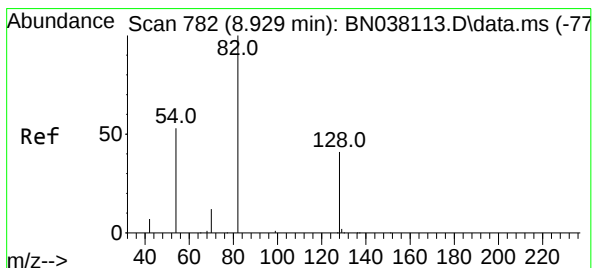
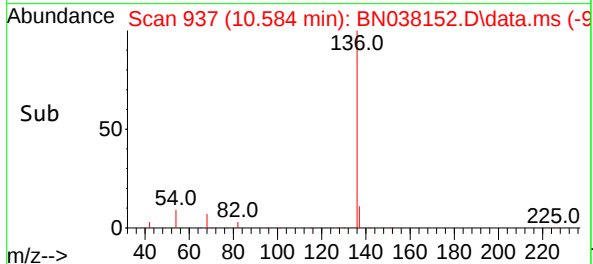
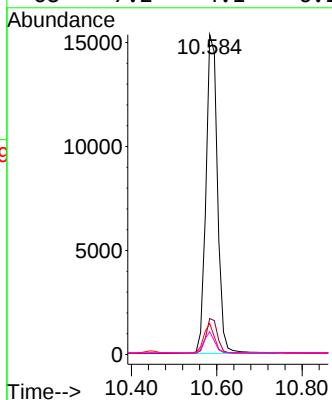
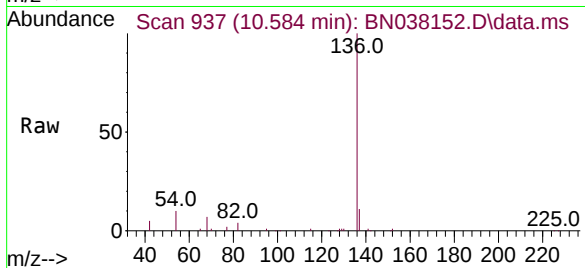




#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.584 min Scan# 937
Delta R.T. 0.011 min
Lab File: BN038152.D
Acq: 07 Nov 2025 13:44

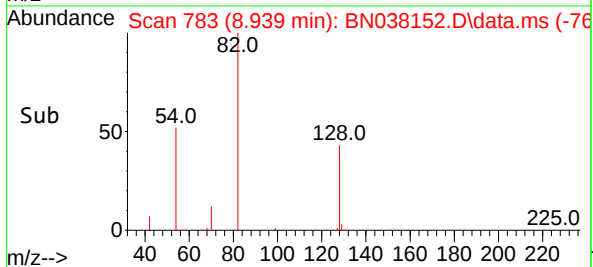
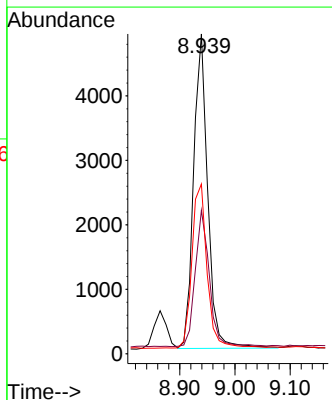
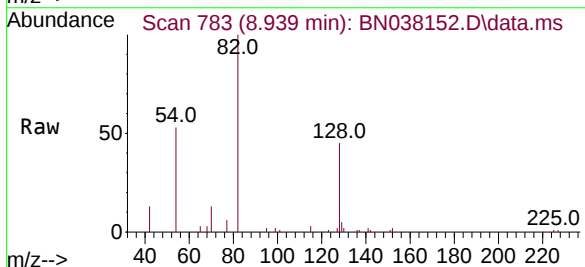
Instrument :
BNA_N
ClientSampleId :
PB170427BS

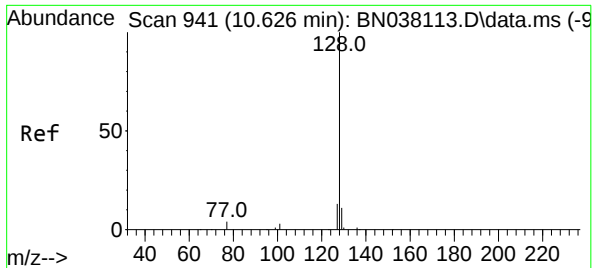
Tgt Ion:	136	Resp:	28713
Ion Ratio	Lower	Upper	
136	100		
137	11.3	9.0	13.4
54	9.7	5.2	7.8#
68	7.2	4.1	6.1#



#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

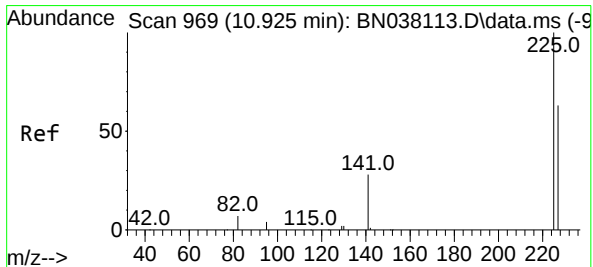
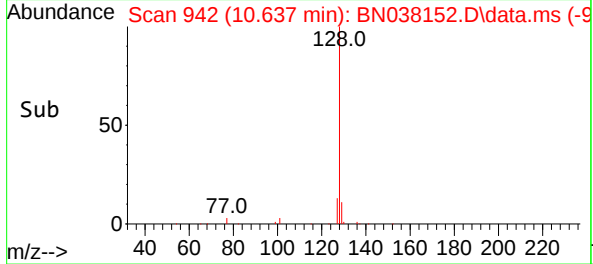
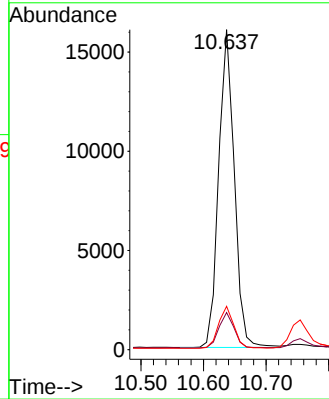
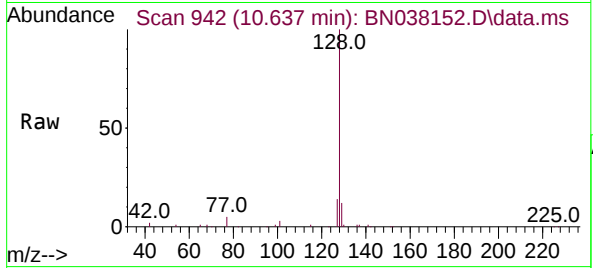




#9
Naphthalene
Concen: 0.351 ng
RT: 10.637 min Scan# 941
Delta R.T. 0.011 min
Lab File: BN038152.D
Acq: 07 Nov 2025 13:44

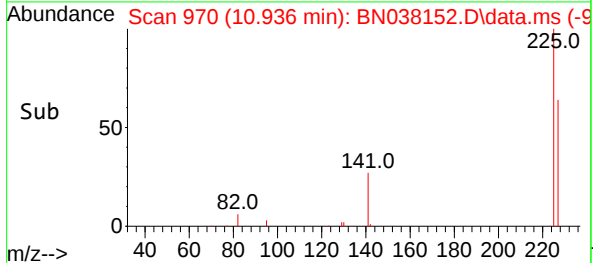
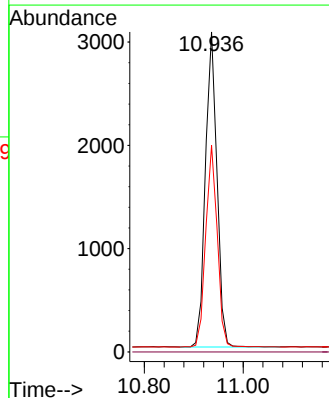
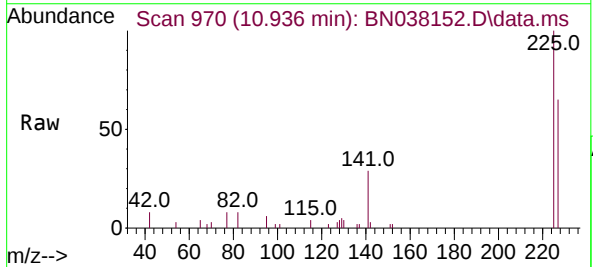
Instrument :
BNA_N
ClientSampleId :
PB170427BS

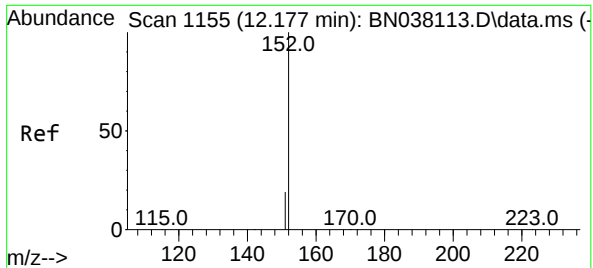
Tgt Ion:128 Resp: 27757
Ion Ratio Lower Upper
128 100
129 11.6 9.1 13.7
127 13.5 10.5 15.7



#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

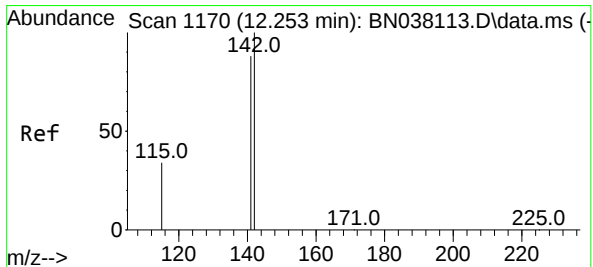
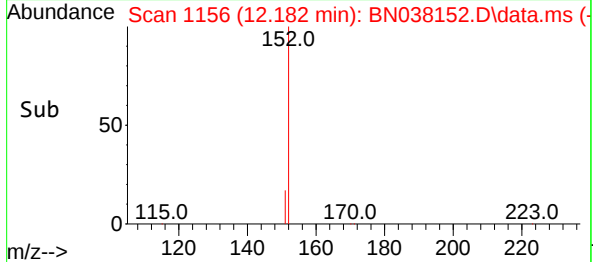
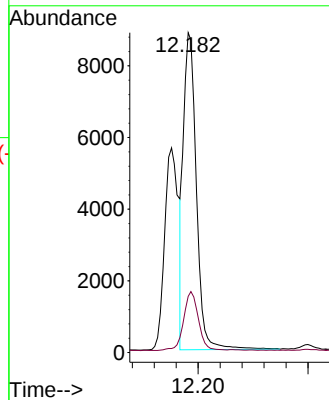
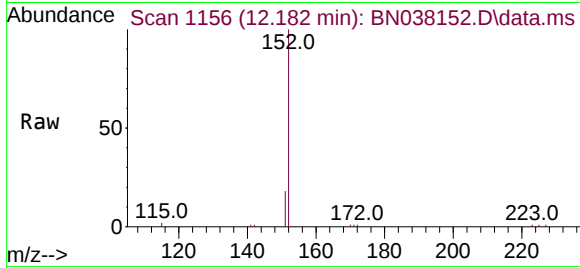




#11
2-Methylnaphthalene-d10
Concen: 0.354 ng
RT: 12.182 min Scan# 1155
Delta R.T. 0.005 min
Lab File: BN038152.D
Acq: 07 Nov 2025 13:44

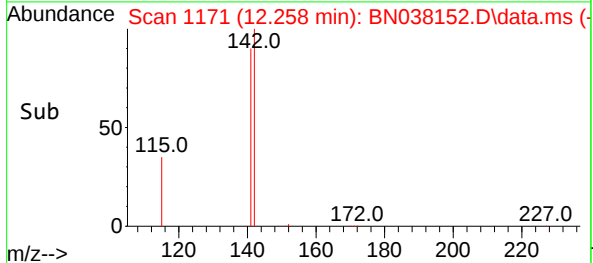
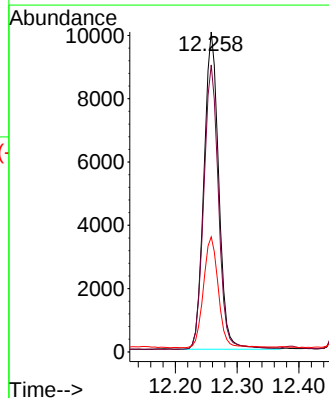
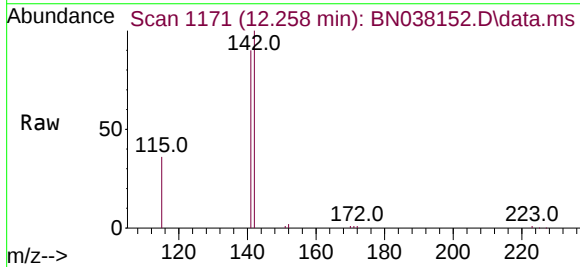
Instrument :
BNA_N
ClientSampleId :
PB170427BS

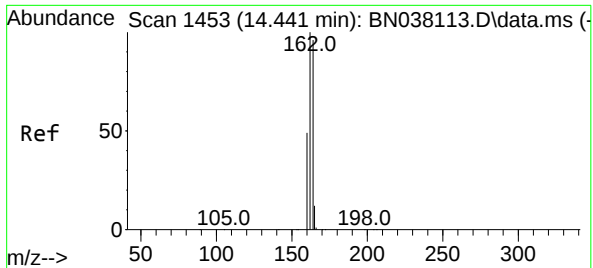
Tgt Ion:152 Resp: 14534
Ion Ratio Lower Upper
152 100
151 21.1 16.8 25.2



#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

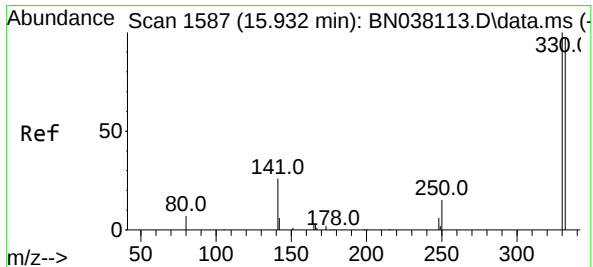
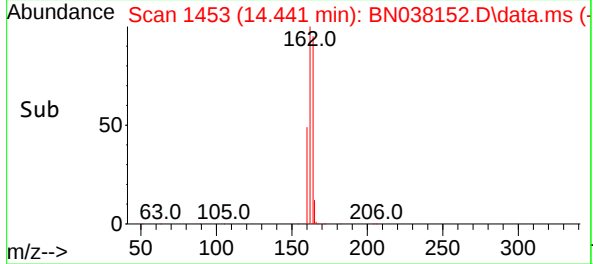
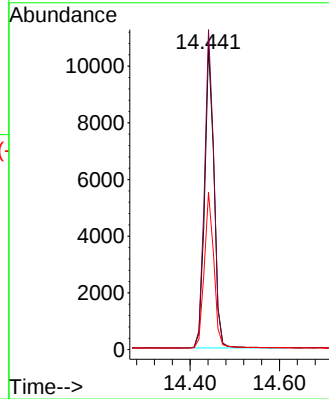
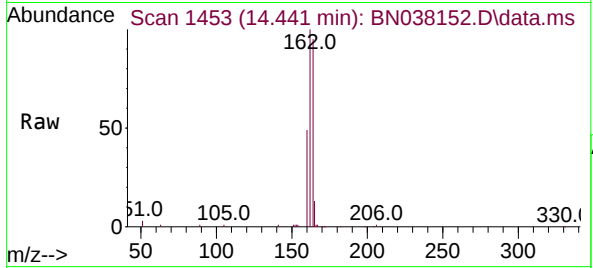




#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.441 min Scan# 1453
Delta R.T. 0.011 min
Lab File: BN038152.D
Acq: 07 Nov 2025 13:44

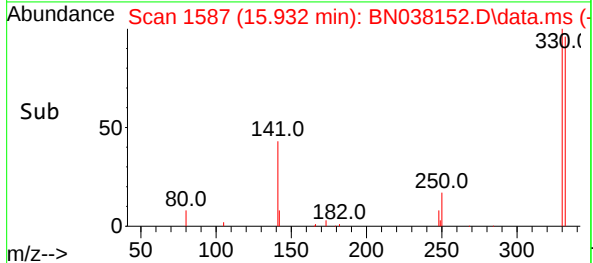
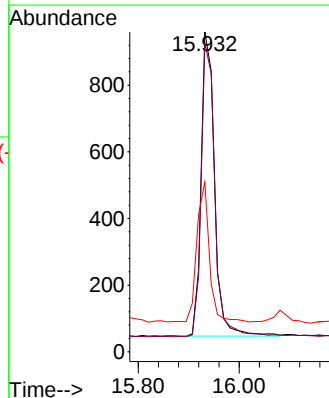
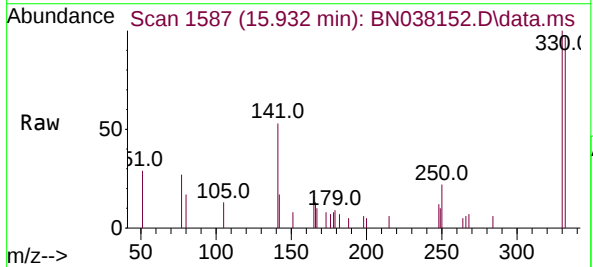
Instrument :
BNA_N
ClientSampleId :
PB170427BS

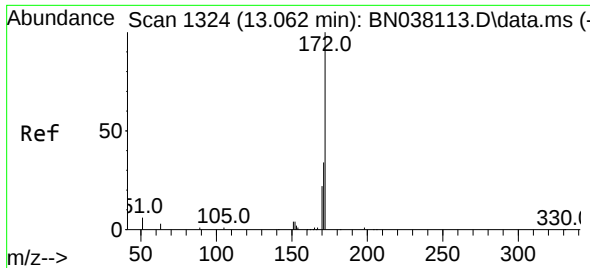
Tgt Ion:164 Resp: 15548
Ion Ratio Lower Upper
164 100
162 105.6 83.0 124.4
160 51.9 40.7 61.1



#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

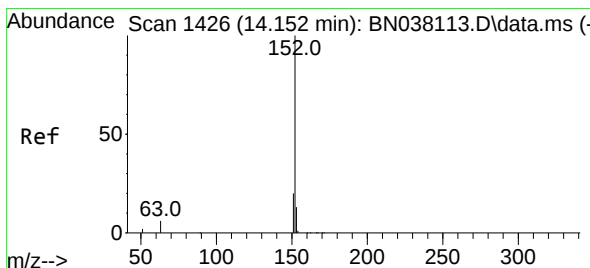
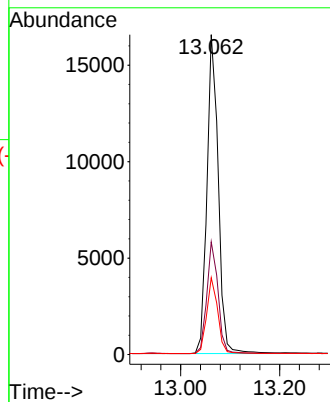
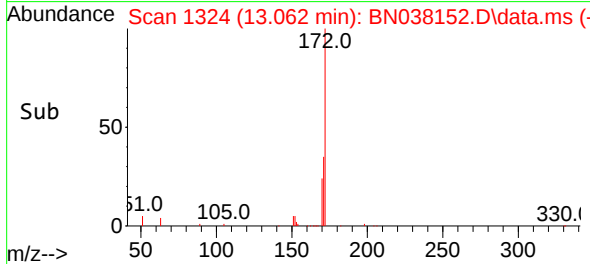
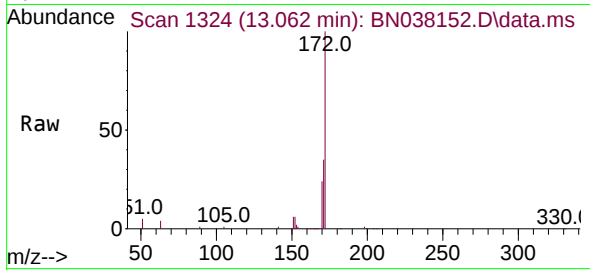




#15
2-Fluorobiphenyl
Concen: 0.396 ng
RT: 13.062 min Scan# 1324
Delta R.T. 0.011 min
Lab File: BN038152.D
Acq: 07 Nov 2025 13:44

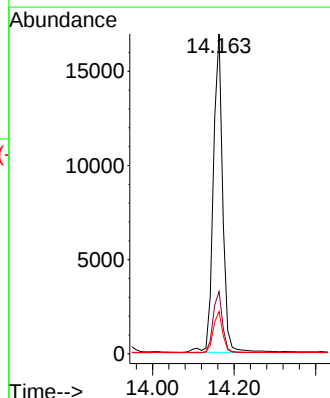
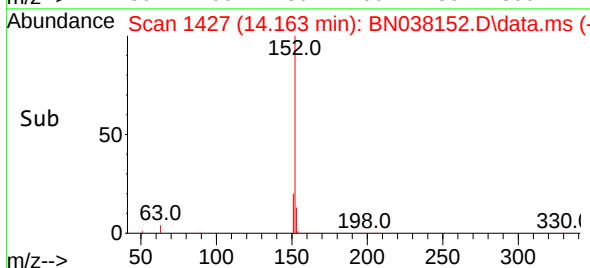
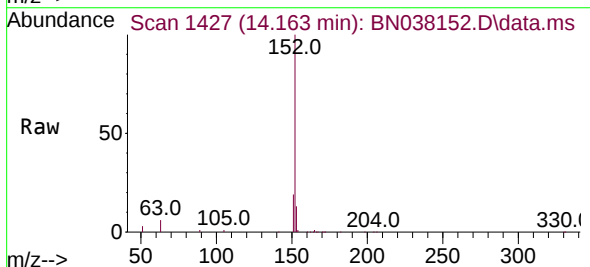
Instrument :
BNA_N
ClientSampleId :
PB170427BS

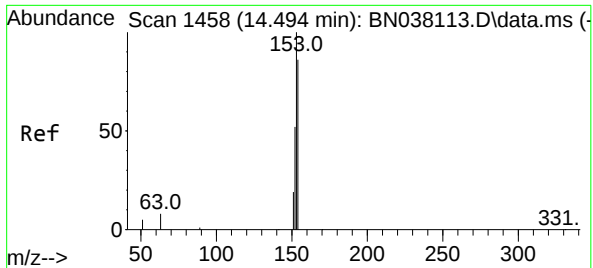
Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.2	27.8	41.6
170	24.0	18.1	27.1



#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

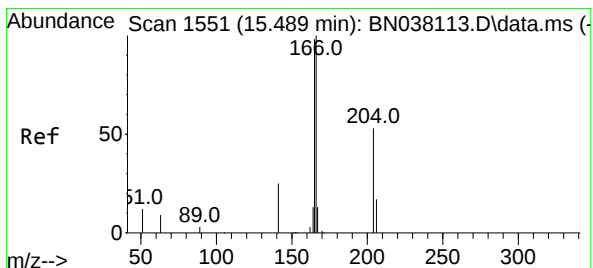
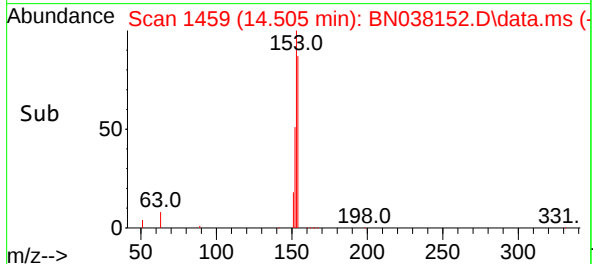
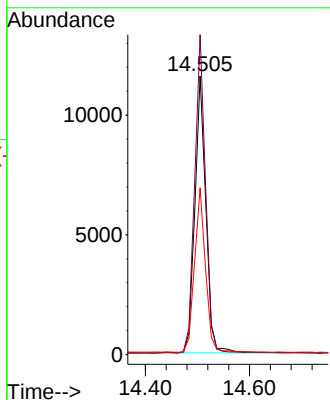
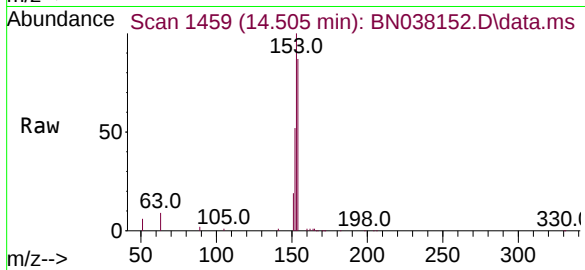




#17
Acenaphthene
Concen: 0.343 ng
RT: 14.505 min Scan# 1459
Delta R.T. 0.011 min
Lab File: BN038152.D
Acq: 07 Nov 2025 13:44

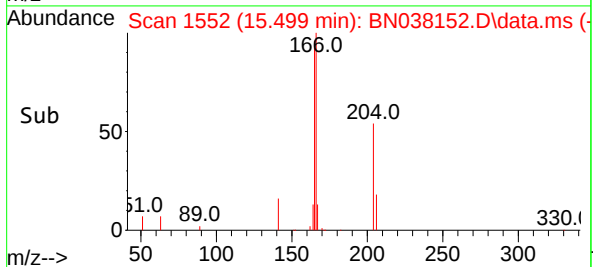
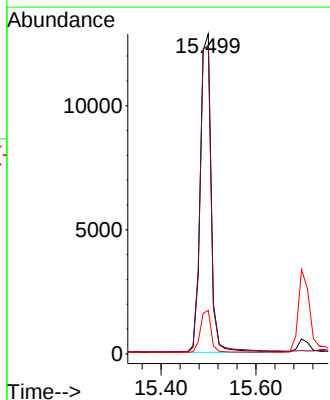
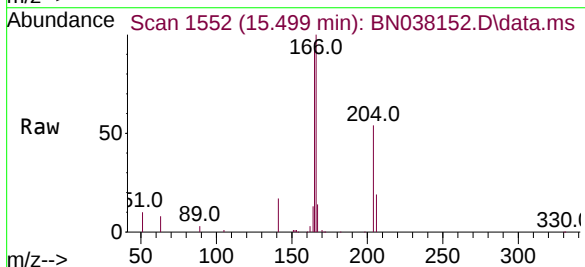
Instrument :
BNA_N
ClientSampleId :
PB170427BS

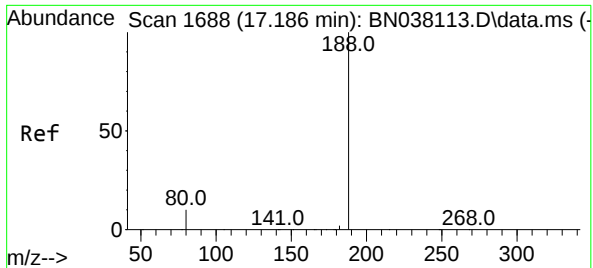
Tgt Ion:154 Resp: 16914
Ion Ratio Lower Upper
154 100
153 113.5 90.0 135.0
152 59.4 47.3 70.9



#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

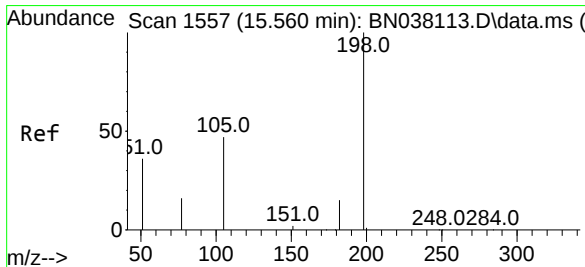
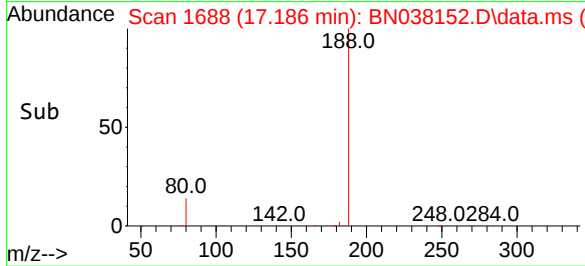
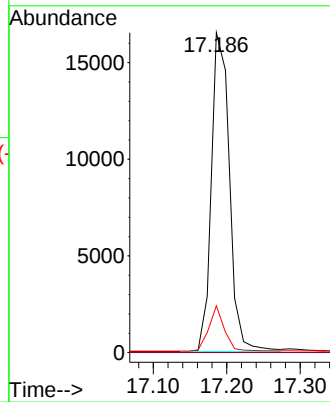
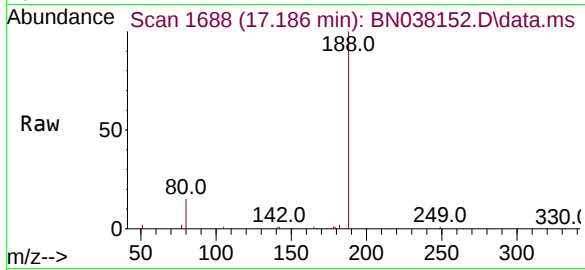
Tgt Ion:188 Resp: 28280

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

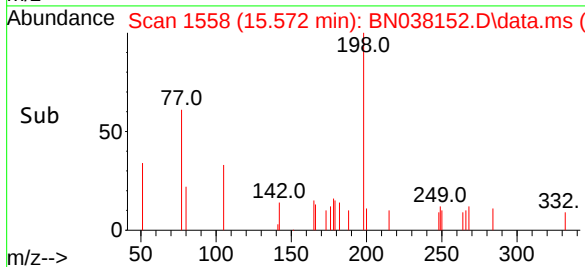
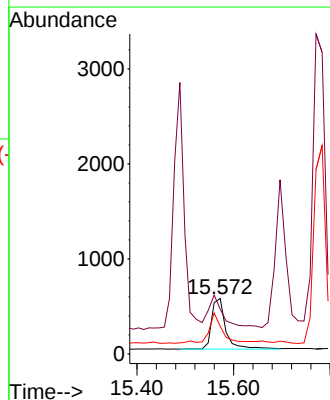
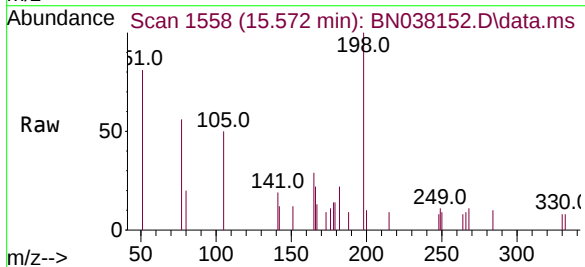
Tgt Ion:198 Resp: 1071

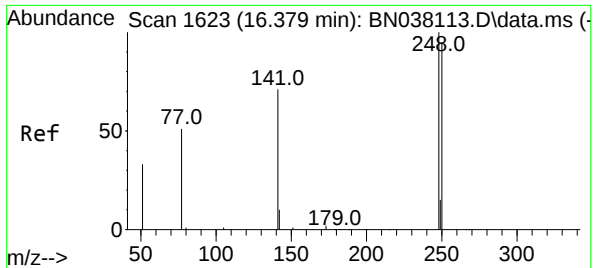
Ion Ratio Lower Upper

198 100

51 81.0 88.9 133.3#

105 49.7 49.2 73.8

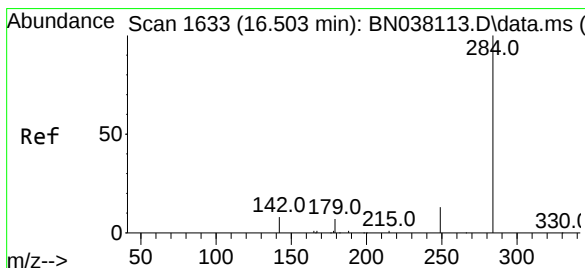
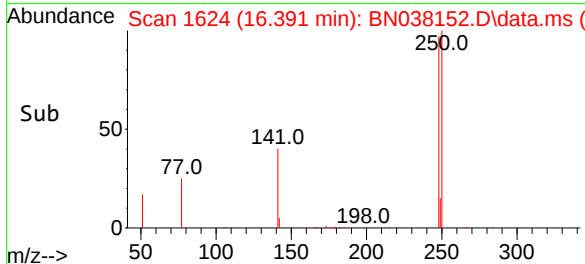
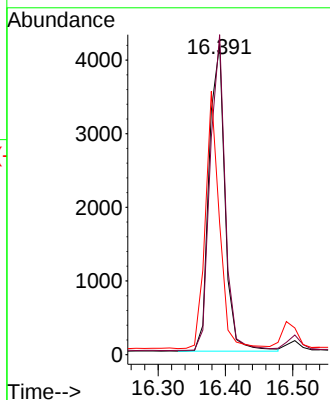
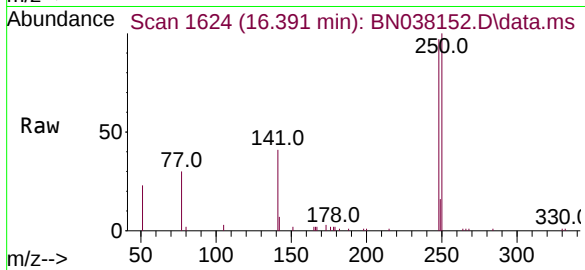




#21
4-Bromophenyl-phenylether
Concen: 0.368 ng
RT: 16.391 min Scan# 1624
Delta R.T. 0.012 min
Lab File: BN038152.D
Acq: 07 Nov 2025 13:44

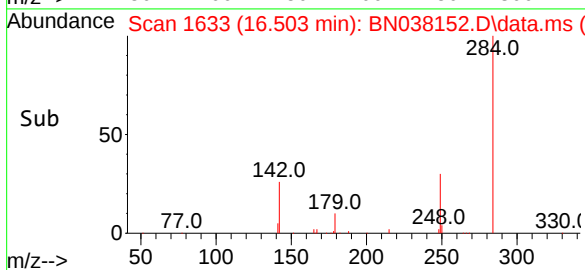
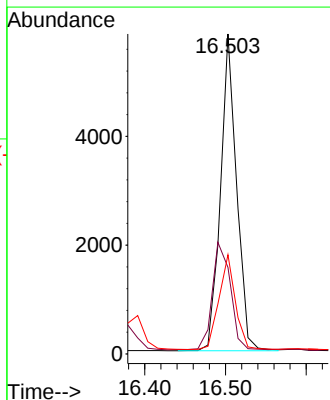
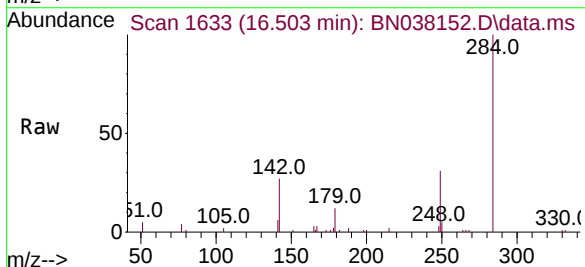
Instrument :
BNA_N
ClientSampleId :
PB170427BS

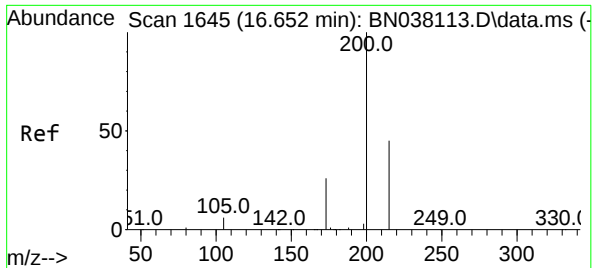
Tgt Ion:248 Resp: 6817
Ion Ratio Lower Upper
248 100
250 103.1 76.2 114.2
141 42.4 57.6 86.4#



#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:284 Resp: 8050
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 :

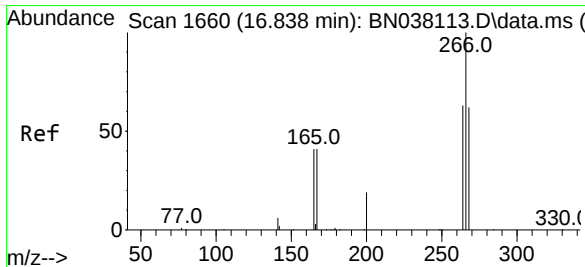
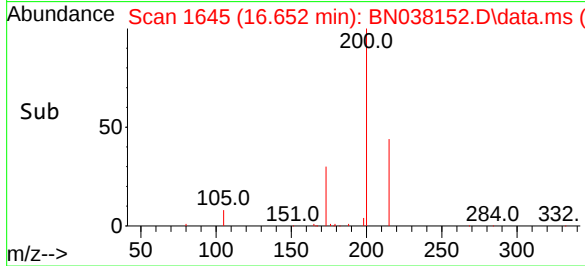
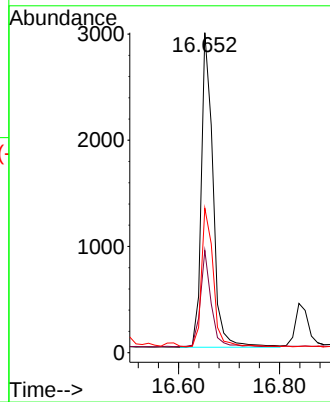
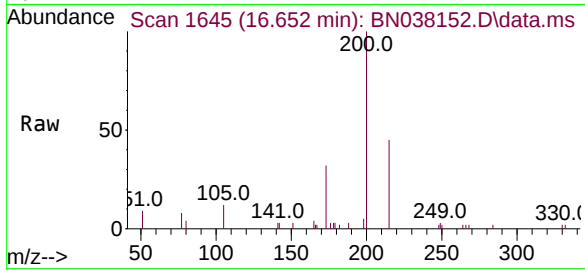
BNA_N

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

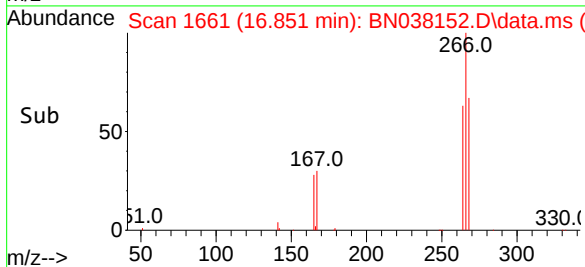
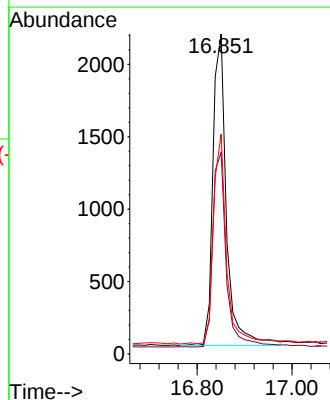
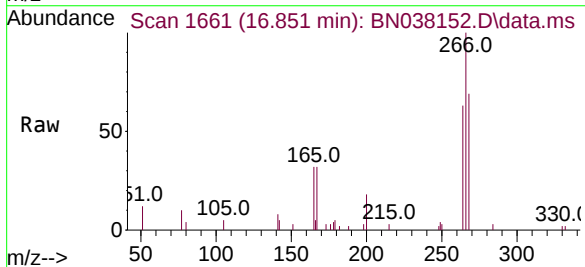
Delta R.T. 0.012 min

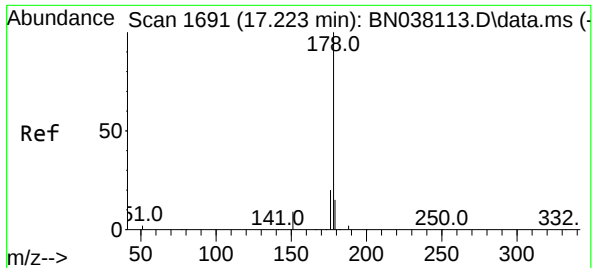
Lab File: BN038152.D

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

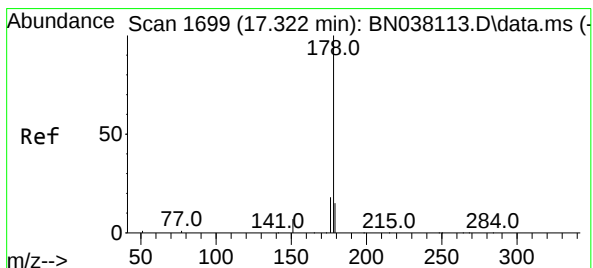
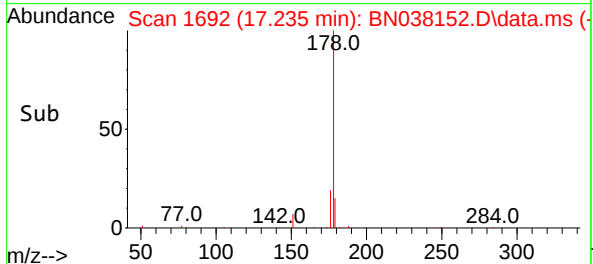
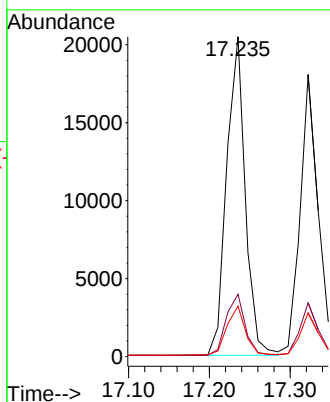
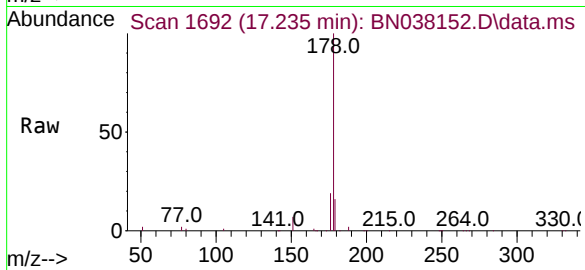




#25
Phenanthrene
Concen: 0.365 ng
RT: 17.235 min Scan# 1692
Delta R.T. 0.012 min
Lab File: BN038152.D
Acq: 07 Nov 2025 13:44

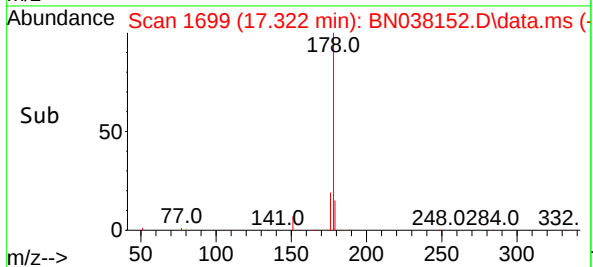
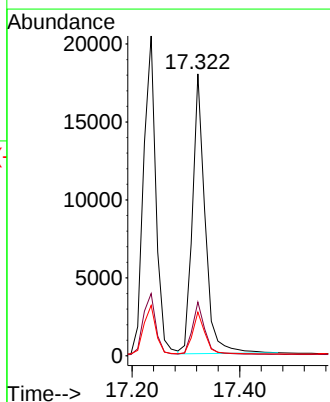
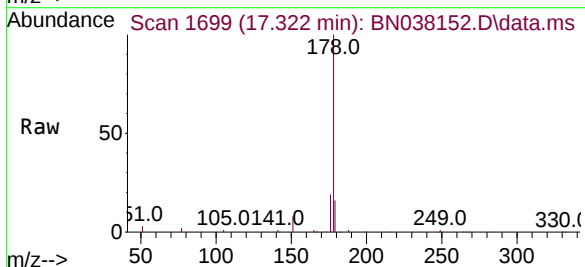
Instrument :
BNA_N
ClientSampleId :
PB170427BS

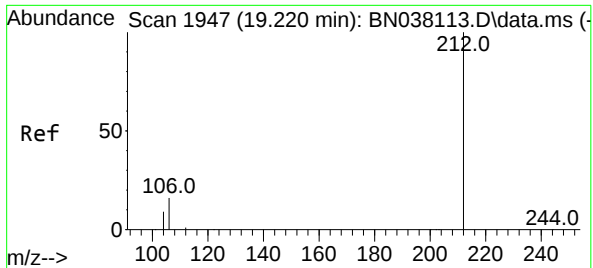
Tgt Ion:178 Resp: 32744
Ion Ratio Lower Upper
178 100
176 19.7 15.5 23.3
179 15.5 12.2 18.4



#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

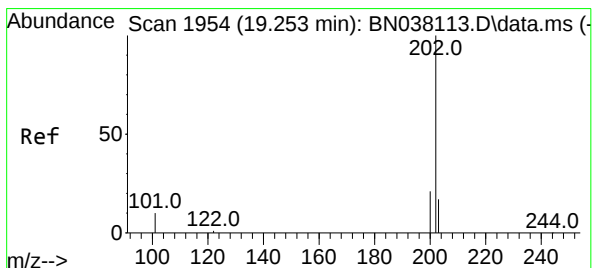
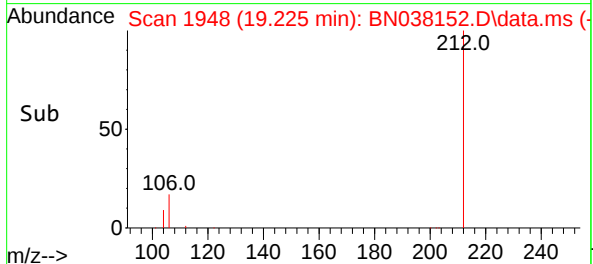
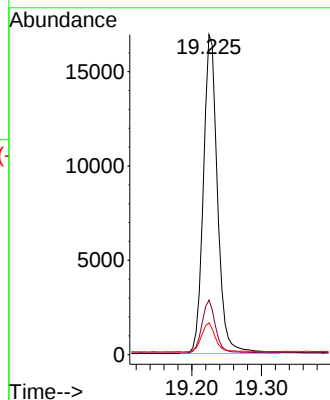
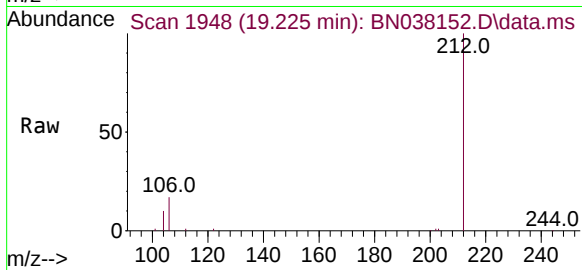
Tgt Ion:212 Resp: 23866

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

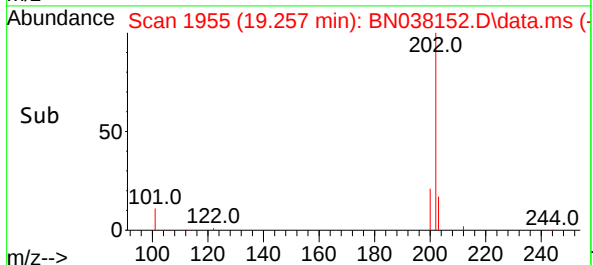
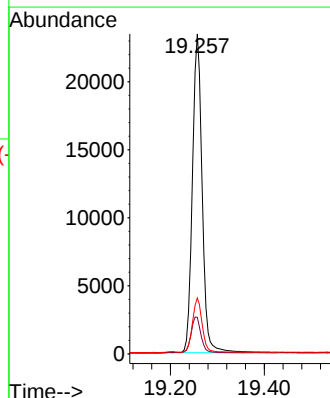
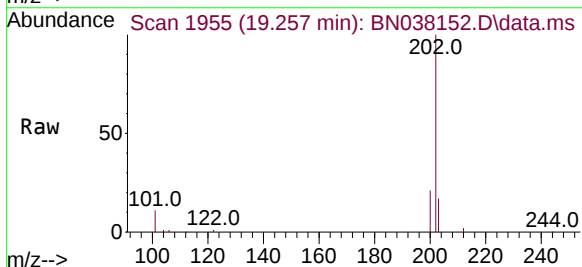
Tgt Ion:202 Resp: 33640

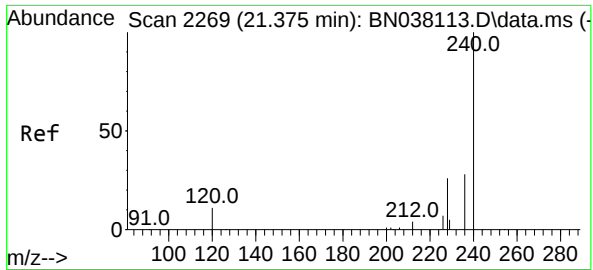
Ion Ratio Lower Upper

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

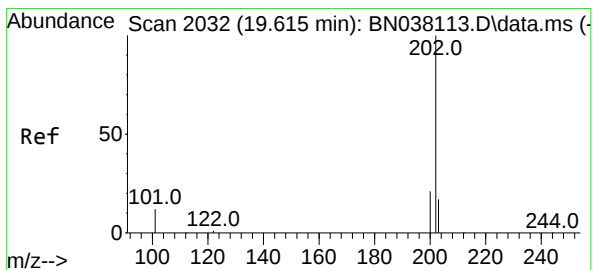
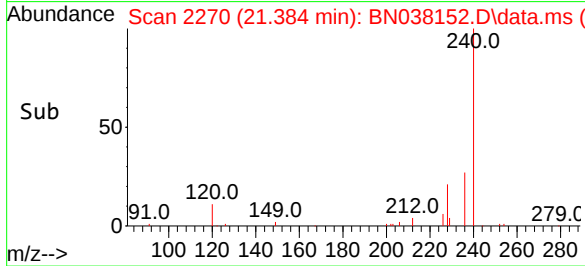
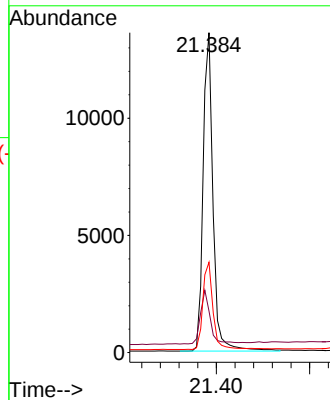
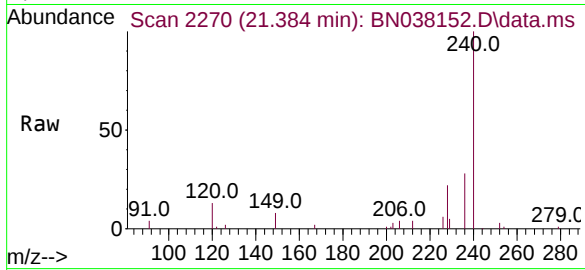
Tgt Ion:240 Resp: 19896

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

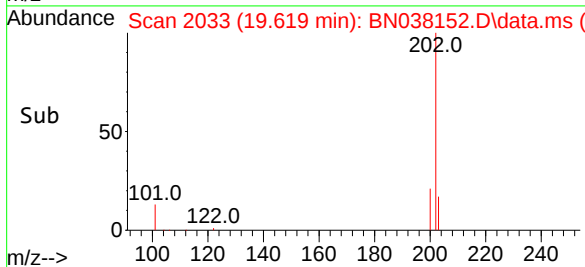
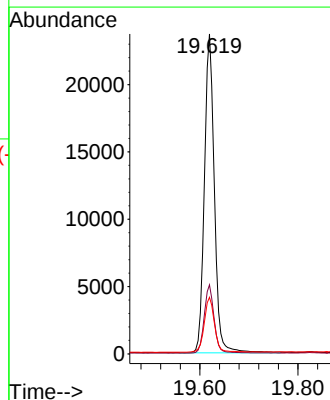
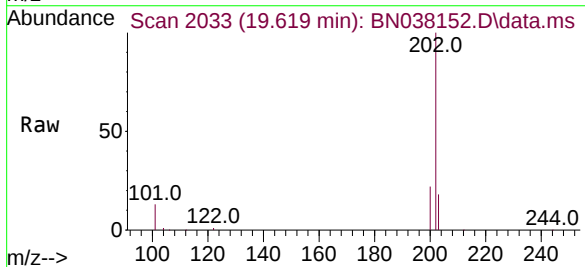
Tgt Ion:202 Resp: 33342

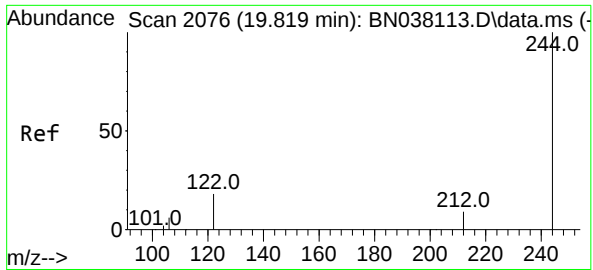
Ion Ratio Lower Upper

202 100

200 21.0 16.7 25.1

203 17.8 14.2 21.2

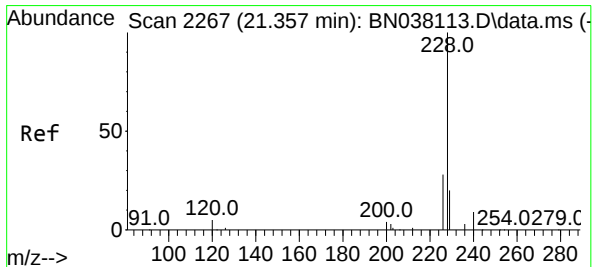
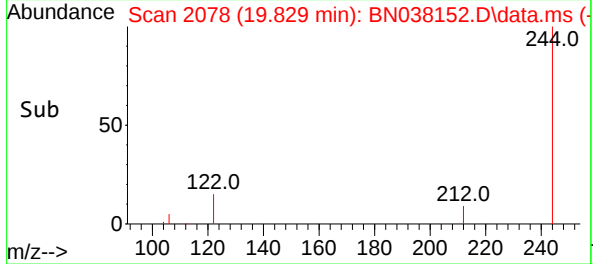
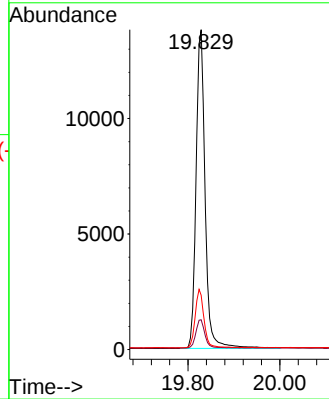
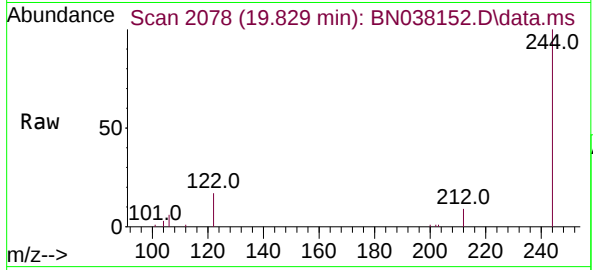




#31
Terphenyl-d14
Concen: 0.439 ng
RT: 19.829 min Scan# 2076
Delta R.T. 0.009 min
Lab File: BN038152.D
Acq: 07 Nov 2025 13:44

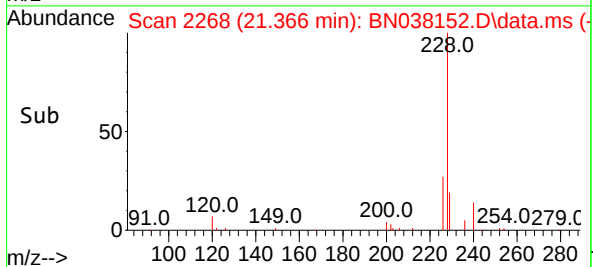
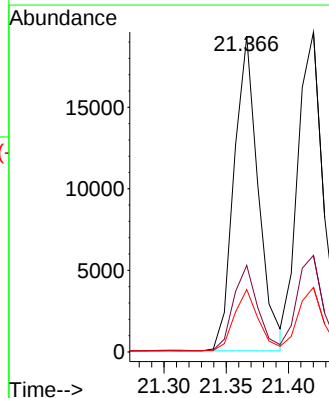
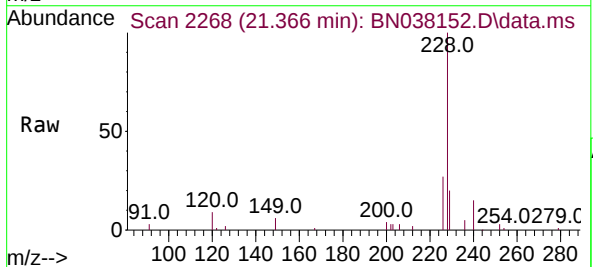
Instrument :
BNA_N
ClientSampleId :
PB170427BS

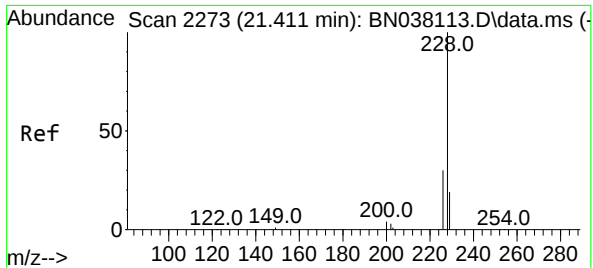
Tgt Ion:244 Resp: 18959
Ion Ratio Lower Upper
244 100
212 9.3 7.8 11.6
122 17.0 15.2 22.8



#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

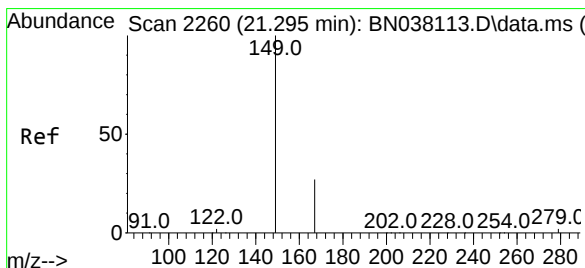
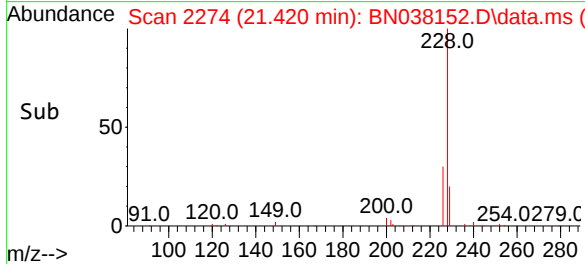
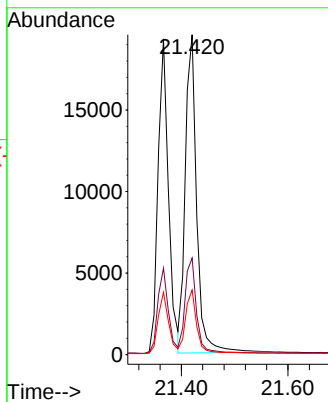
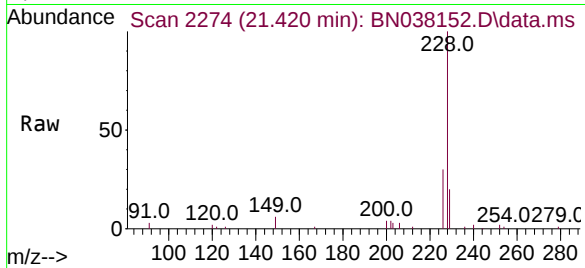




#33
Chrysene
Concen: 0.377 ng
RT: 21.420 min Scan# 21
Delta R.T. 0.009 min
Lab File: BN038152.D
Acq: 07 Nov 2025 13:44

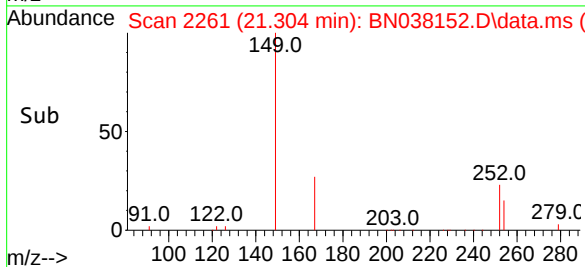
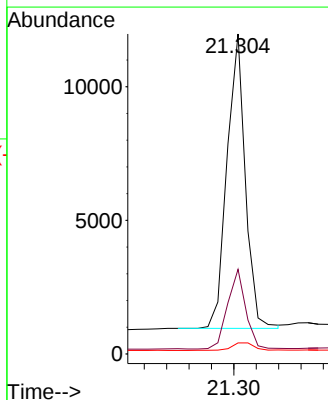
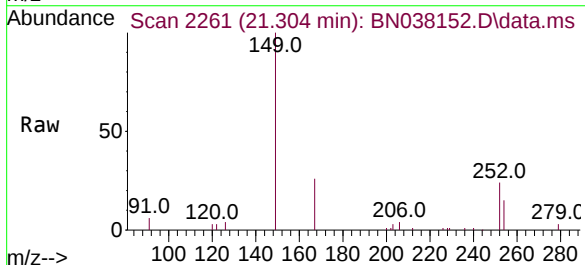
Instrument :
BNA_N
ClientSampleId :
PB170427BS

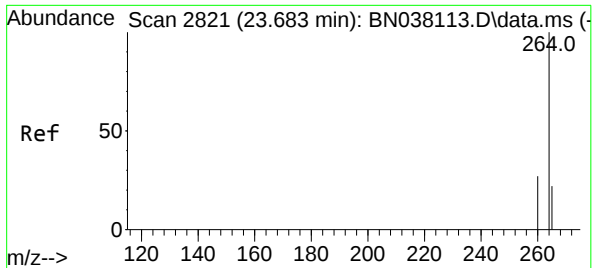
Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.2	24.3	36.5
229	20.2	15.7	23.5



#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

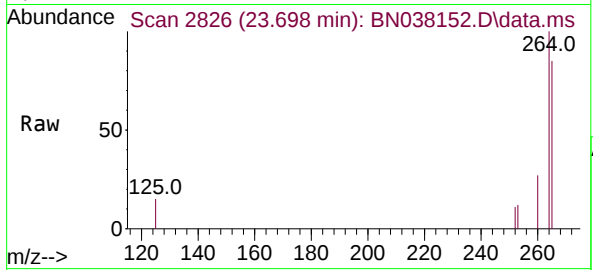
Tgt Ion	Ratio	Lower	Upper
149	100		
167	26.8	21.1	31.7
279	3.3	2.9	4.3



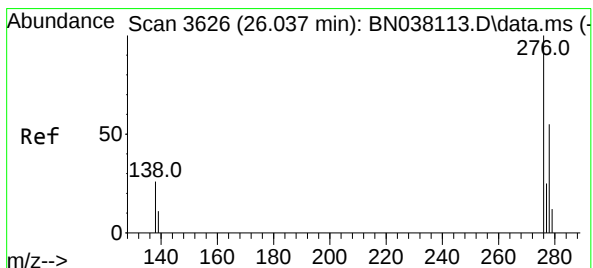
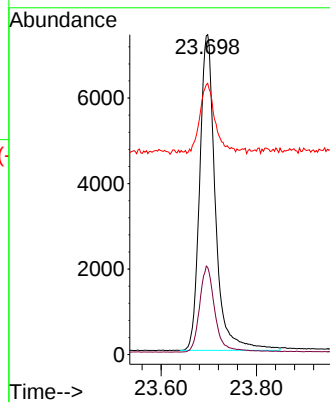
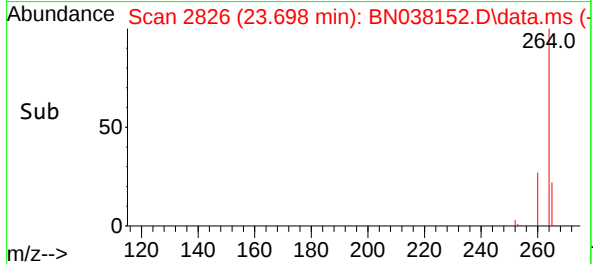


#35
Perylene-d12
Concen: 0.400 ng
RT: 23.698 min Scan# 2821
Delta R.T. 0.017 min
Lab File: BN038152.D
Acq: 07 Nov 2025 13:44

Instrument :
BNA_N
ClientSampleId :
PB170427BS

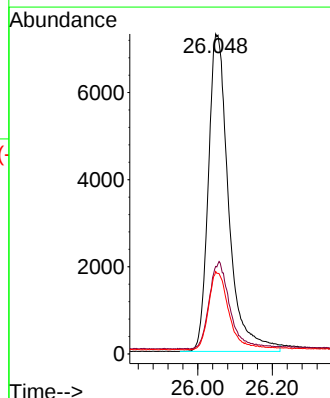
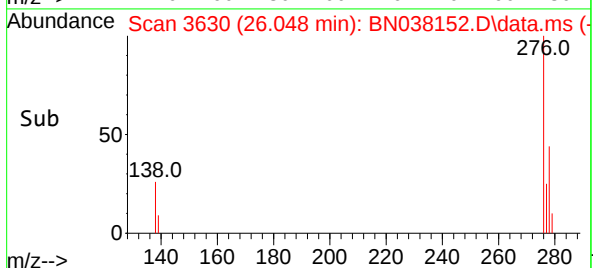
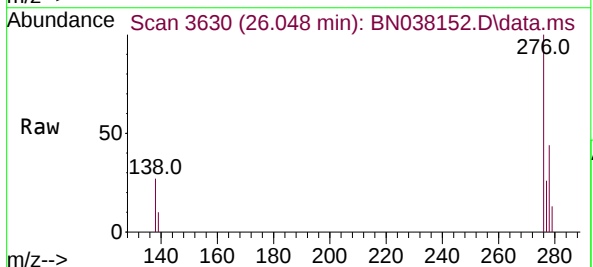


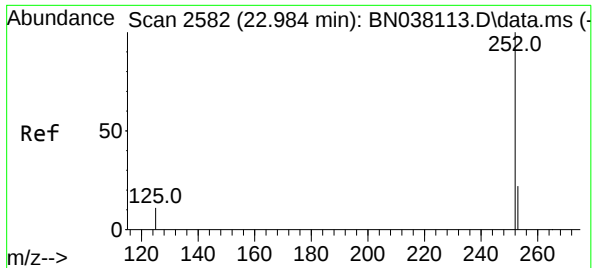
Tgt Ion:264 Resp: 16901
Ion Ratio Lower Upper
264 100
260 27.2 21.8 32.8
265 84.8 68.6 102.8



#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

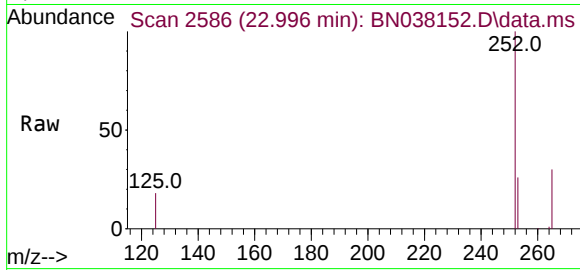
Acq: 07 Nov 2025 13:44

Instrument :

BNA_N

ClientSampleId :

PB170427BS



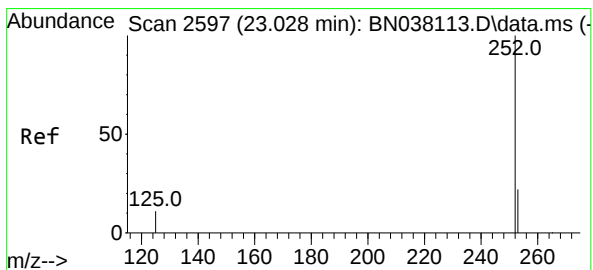
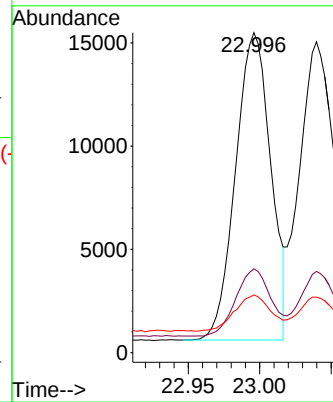
Tgt Ion:252 Resp: 25492

Ion Ratio Lower Upper

252 100

253 26.2 20.9 31.3

125 18.0 14.1 21.1



#38

Benzo(k)fluoranthene

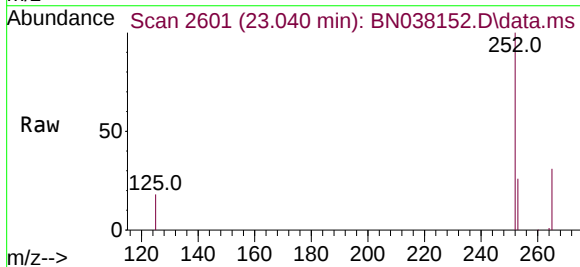
Concen: 0.374 ng

RT: 23.040 min Scan# 2601

Delta R.T. 0.012 min

Lab File: BN038152.D

Acq: 07 Nov 2025 13:44



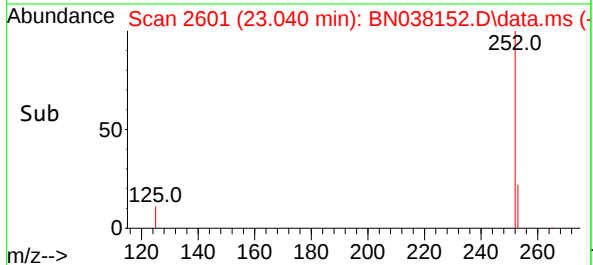
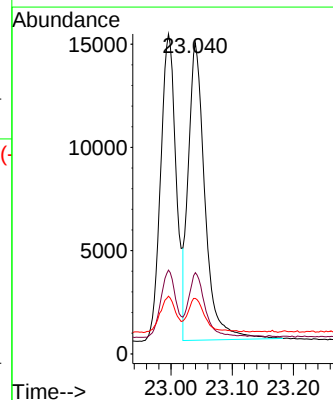
Tgt Ion:252 Resp: 27198

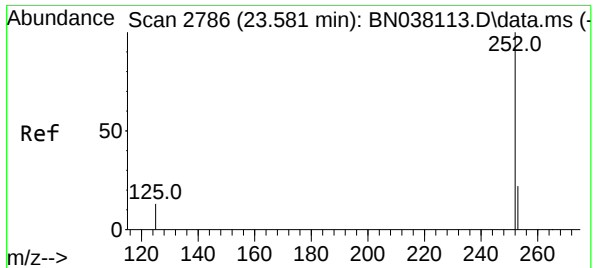
Ion Ratio Lower Upper

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

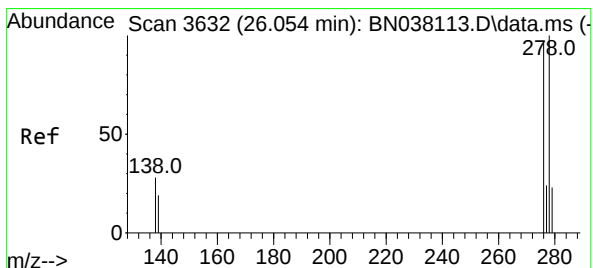
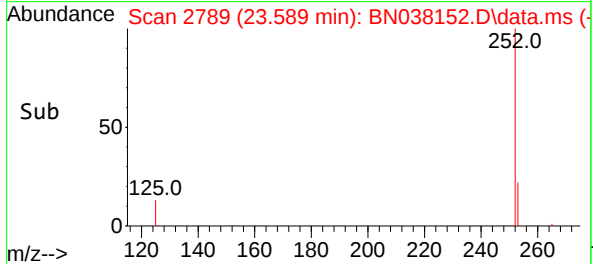
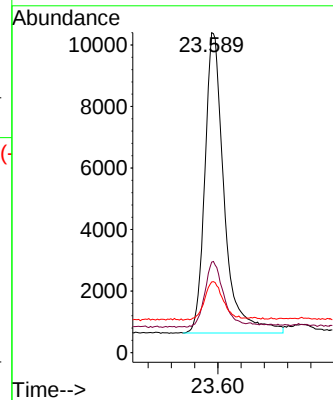
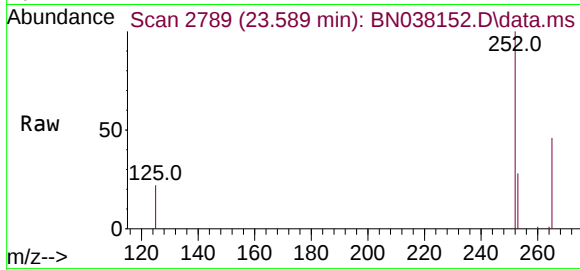
Tgt Ion:252 Resp: 22526

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

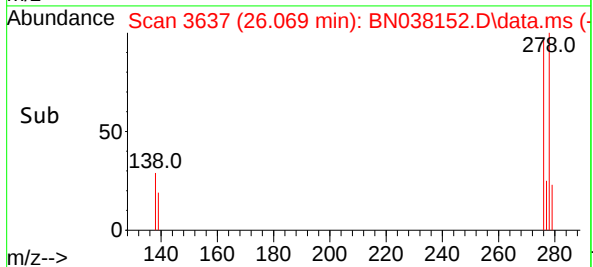
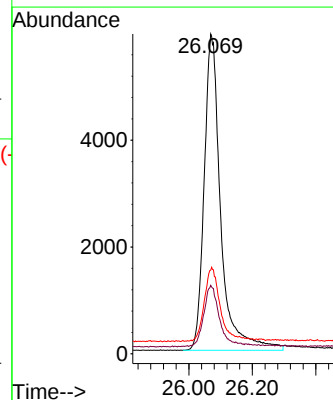
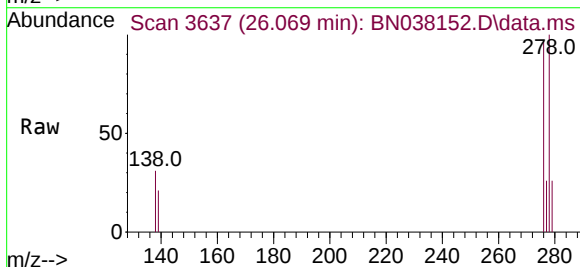
Tgt Ion:278 Resp: 21440

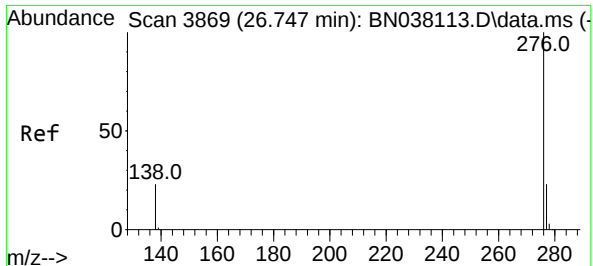
Ion Ratio Lower Upper

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

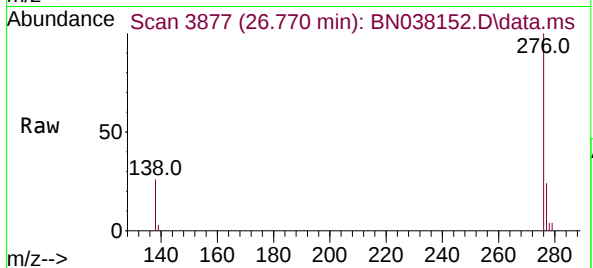
Acq: 07 Nov 2025 13:44

Instrument :

BNA_N

ClientSampleId :

PB170427BS



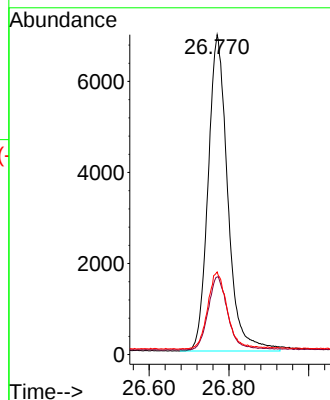
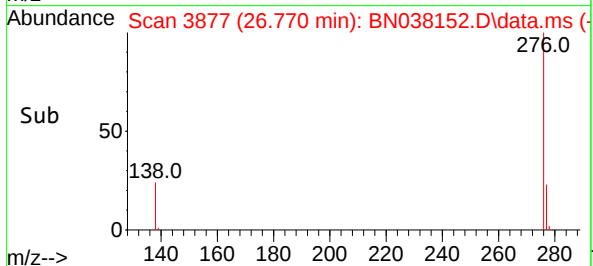
Tgt Ion:276 Resp: 23733

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.:	Q3552
Lab Sample ID:	PB170427BSD		Matrix:	Water
Analytical Method:	SW8270ESIM	Level: LOW	% Solid:	0
Sample Wt/Vol:	1000 mL	Final Vol: 1000 uL	Test:	SVOC-SIMGroup1
Prep Method :	3510C	Prep Date: 11/06/25		

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

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

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)

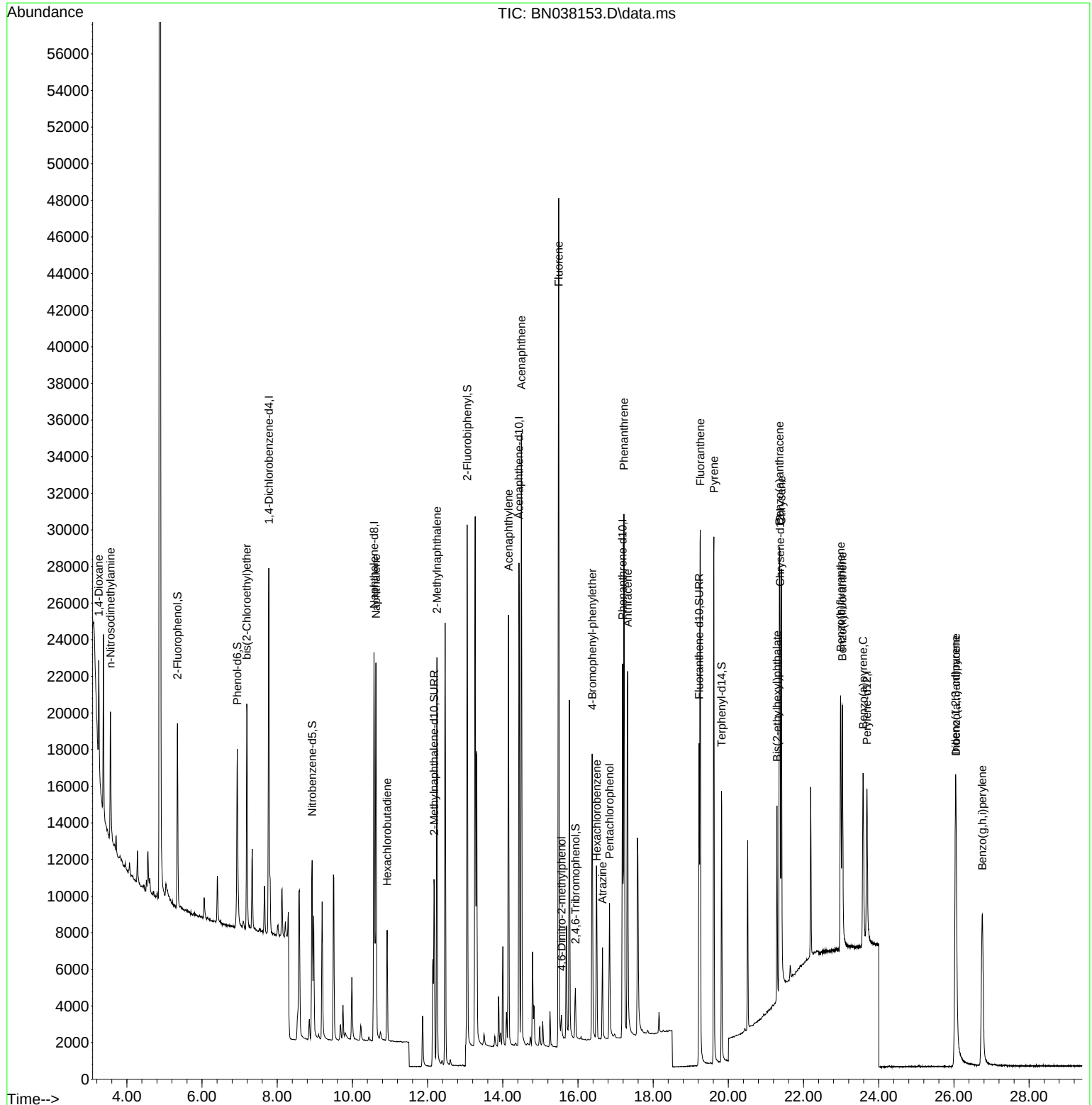
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.775	152	10026	0.400	ng	0.00
7) Naphthalene-d8	10.573	136	28983	0.400	ng	# 0.00
13) Acenaphthene-d10	14.430	164	15515	0.400	ng	0.00
19) Phenanthrene-d10	17.186	188	27421	0.400	ng	0.00
29) Chrysene-d12	21.375	240	14748	0.400	ng	0.00
35) Perylene-d12	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

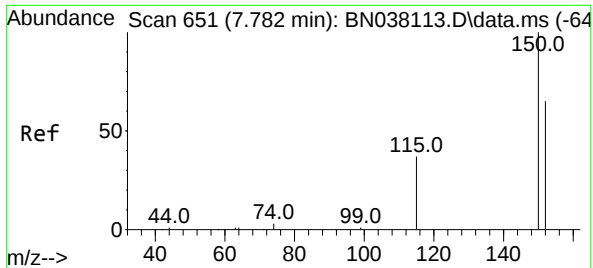
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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

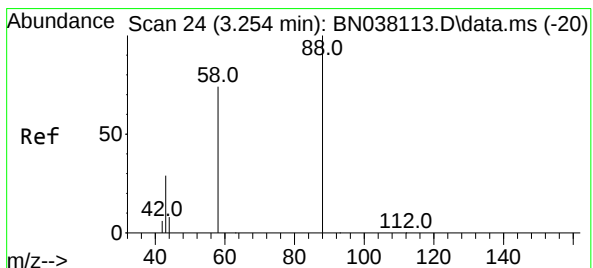
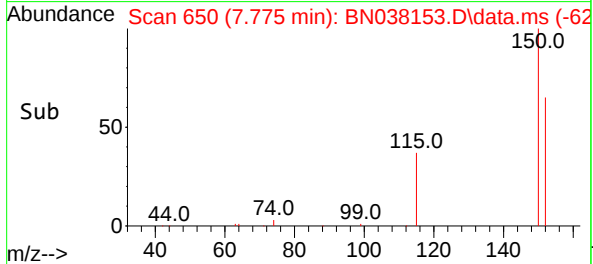
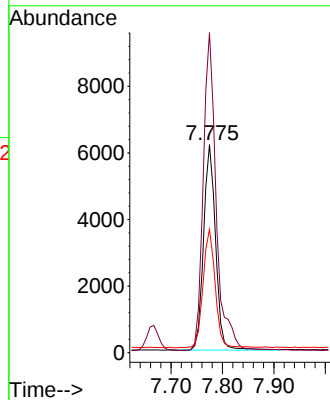
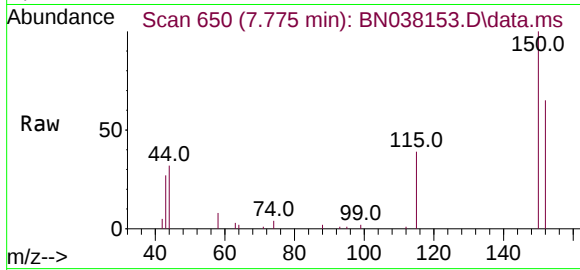




#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.775 min Scan# 61
Delta R.T. -0.000 min
Lab File: BN038153.D
Acq: 07 Nov 2025 14:20

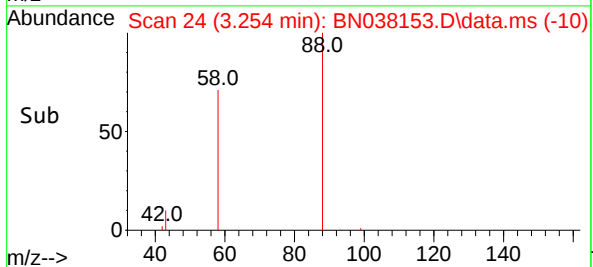
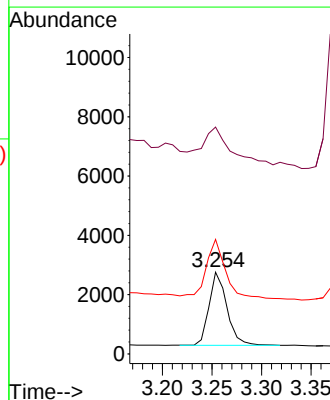
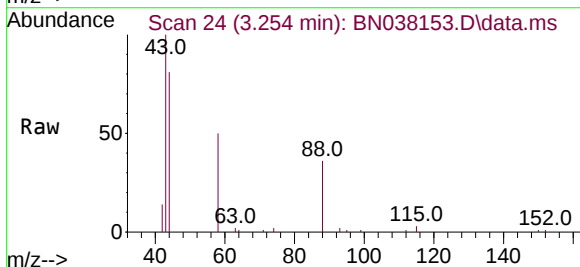
Instrument :
BNA_N
ClientSampleId :
PB170427BSD

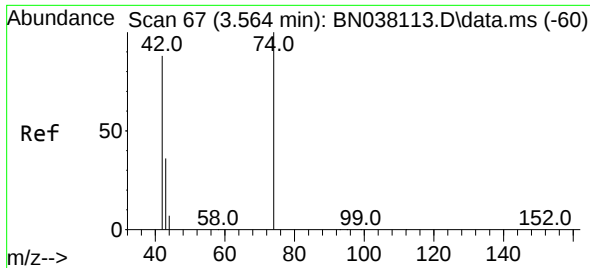
Tgt Ion:152 Resp: 10026
Ion Ratio Lower Upper
152 100
150 153.9 122.3 183.5
115 59.3 47.4 71.0



#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

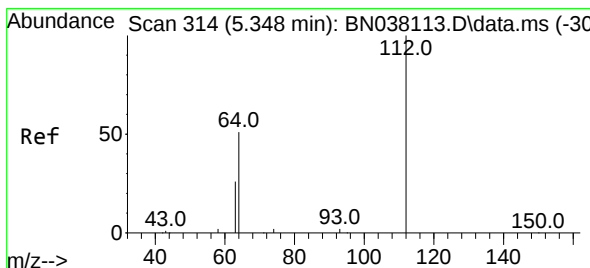
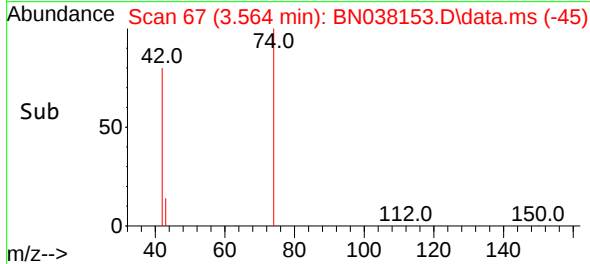
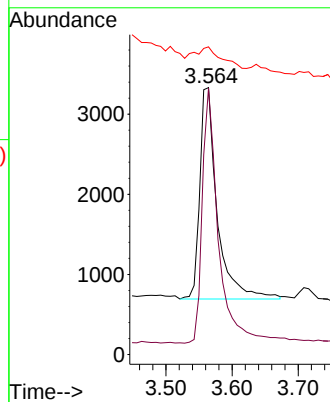
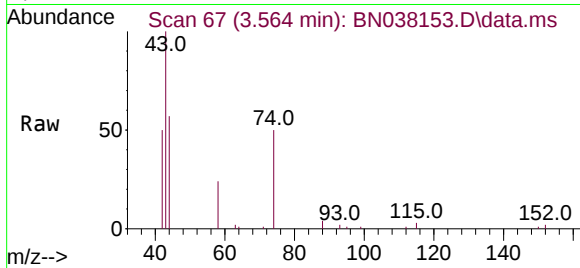




#3
n-Nitrosodimethylamine
Concen: 0.362 ng
RT: 3.564 min Scan# 61
Delta R.T. 0.007 min
Lab File: BN038153.D
Acq: 07 Nov 2025 14:20

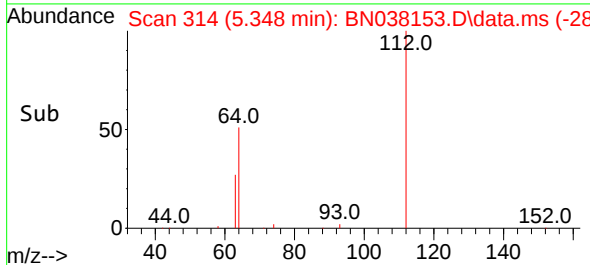
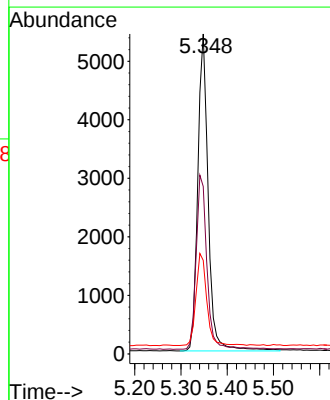
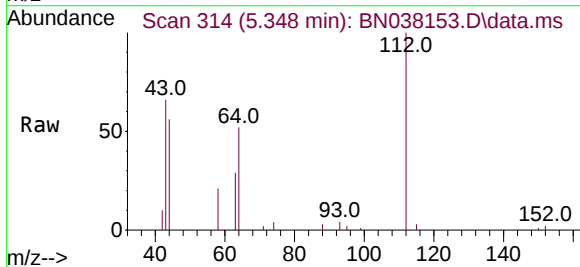
Instrument :
BNA_N
ClientSampleId :
PB170427BSD

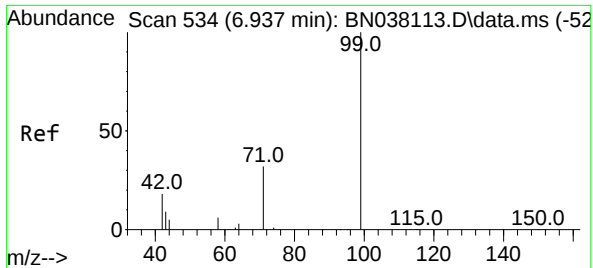
Tgt Ion: 42 Resp: 4828
Ion Ratio Lower Upper
42 100
74 112.6 96.8 145.2
44 10.8 5.3 7.9#



#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

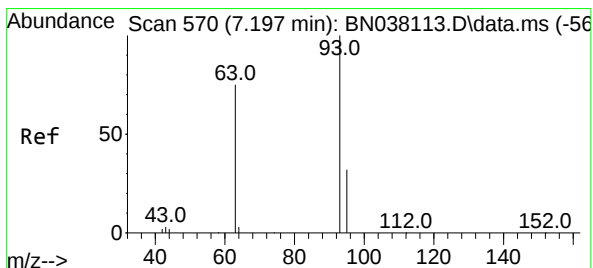
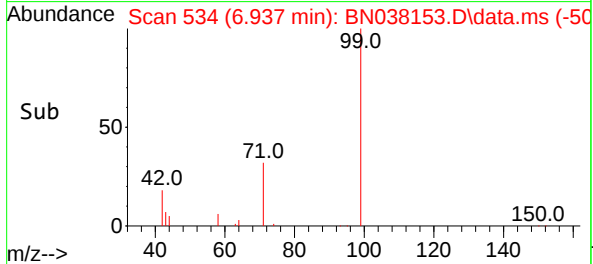
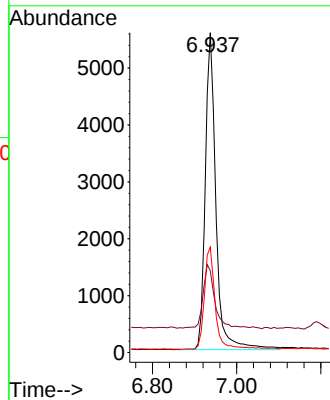
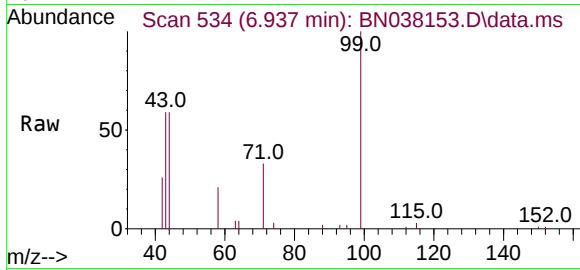




#5
Phenol-d6
Concen: 0.339 ng
RT: 6.937 min Scan# 534
Delta R.T. -0.000 min
Lab File: BN038153.D
Acq: 07 Nov 2025 14:20

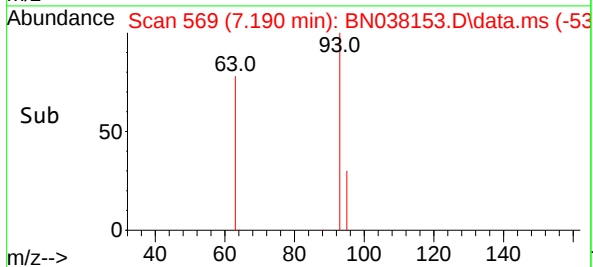
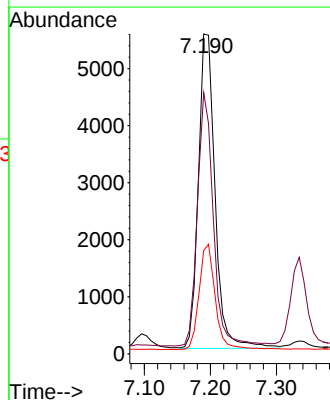
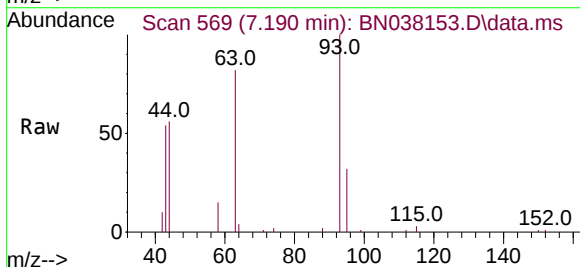
Instrument :
BNA_N
ClientSampleId :
PB170427BSD

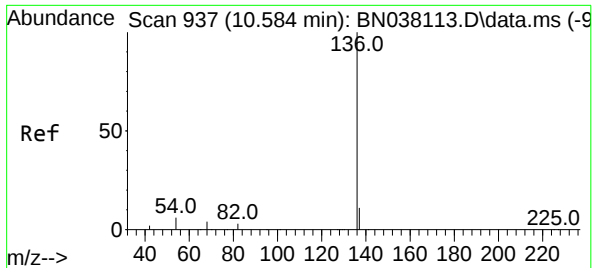
Tgt Ion: 99 Resp: 9765
Ion Ratio Lower Upper
99 100
42 21.6 16.6 24.8
71 33.0 25.4 38.2



#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: 93 Resp: 9674
Ion Ratio Lower Upper
93 100
63 76.7 59.3 88.9
95 32.6 25.2 37.8

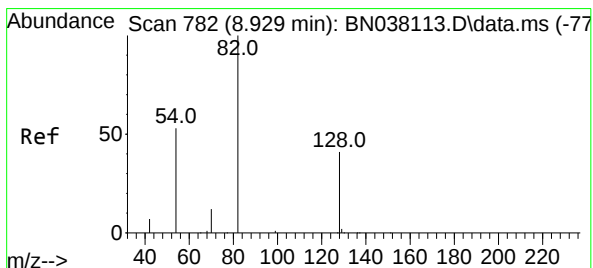
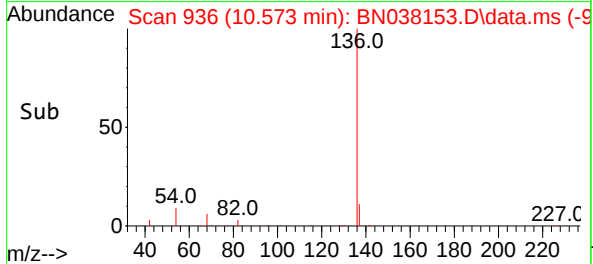
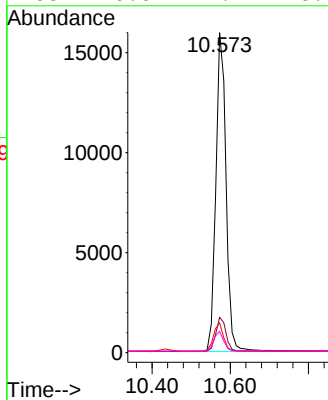
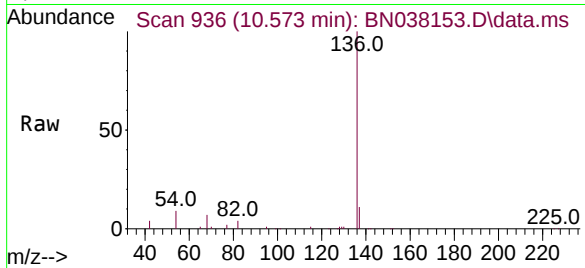




#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.573 min Scan# 937
Delta R.T. -0.000 min
Lab File: BN038153.D
Acq: 07 Nov 2025 14:20

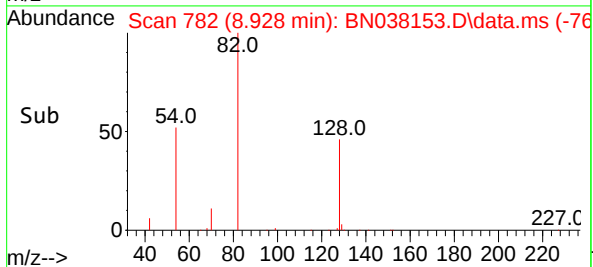
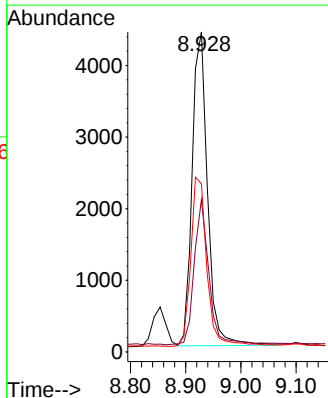
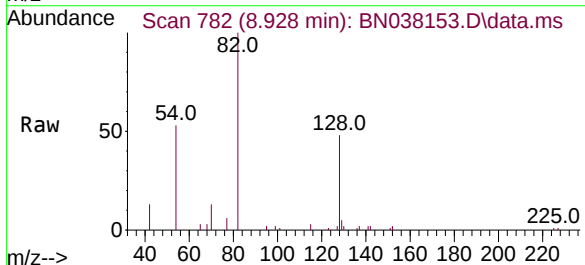
Instrument :
BNA_N
ClientSampleId :
PB170427BSD

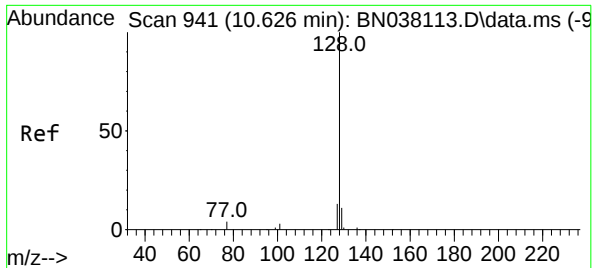
Tgt Ion:	136	Resp:	28983
Ion	Ratio	Lower	Upper
136	100		
137	11.0	9.0	13.4
54	9.3	5.2	7.8#
68	6.6	4.1	6.1#



#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	Resp:	8483
Ion	Ratio	Lower	Upper
82	100		
128	47.5	34.1	51.1
54	52.5	43.5	65.3

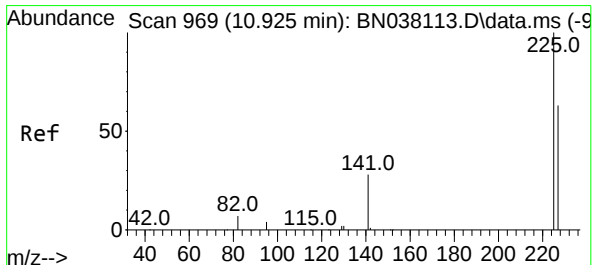
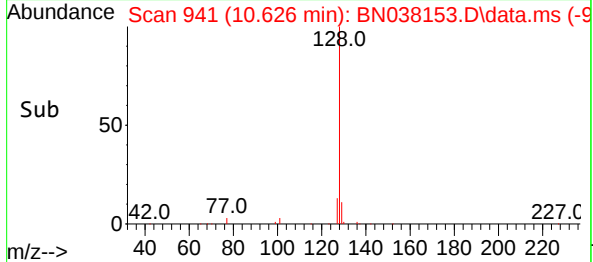
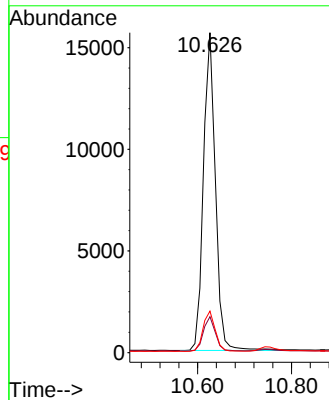
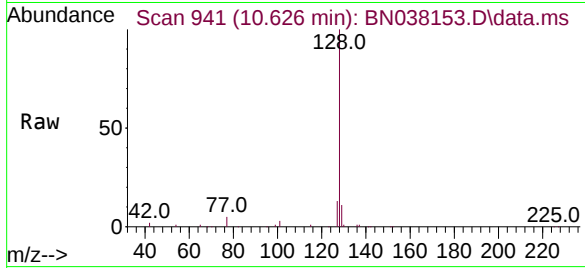




#9
Naphthalene
Concen: 0.347 ng
RT: 10.626 min Scan# 941
Delta R.T. -0.000 min
Lab File: BN038153.D
Acq: 07 Nov 2025 14:20

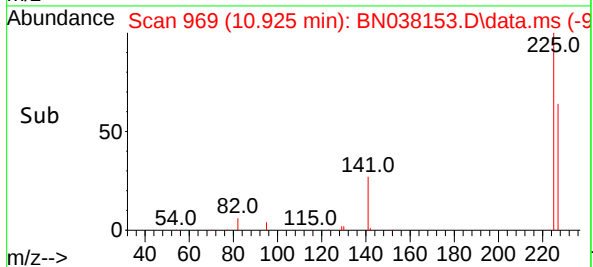
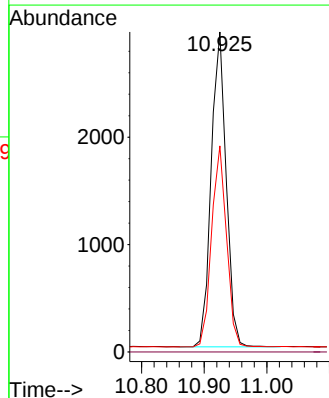
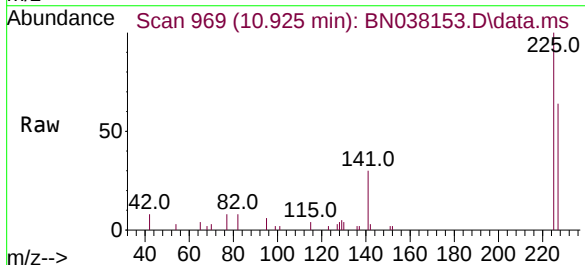
Instrument :
BNA_N
ClientSampleId :
PB170427BSD

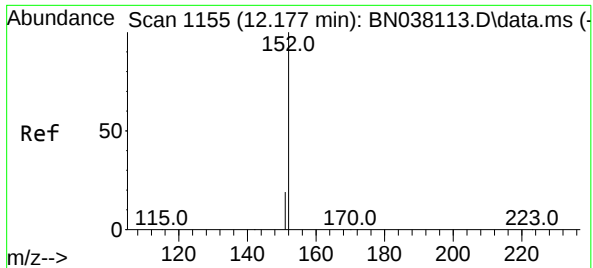
Tgt Ion	128	129	127
Resp:	27698		
Ion Ratio	100	11.2	13.0
Lower		9.1	10.5
Upper		13.7	15.7



#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

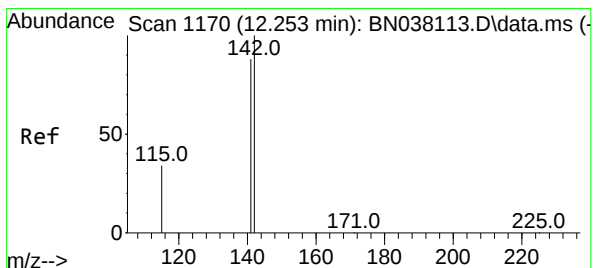
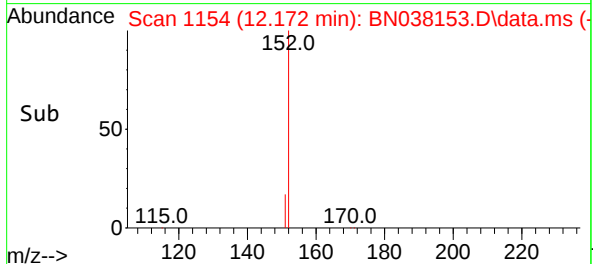
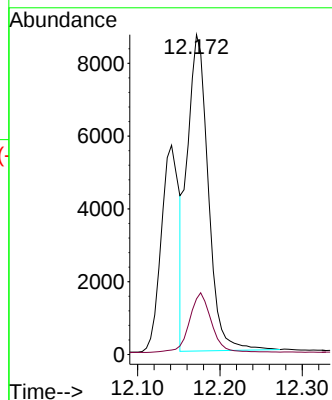
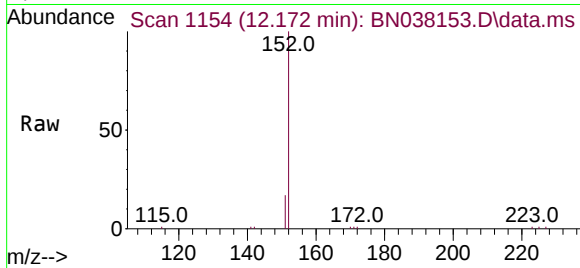




#11
2-Methylnaphthalene-d10
Concen: 0.370 ng
RT: 12.172 min Scan# 1154
Delta R.T. -0.005 min
Lab File: BN038153.D
Acq: 07 Nov 2025 14:20

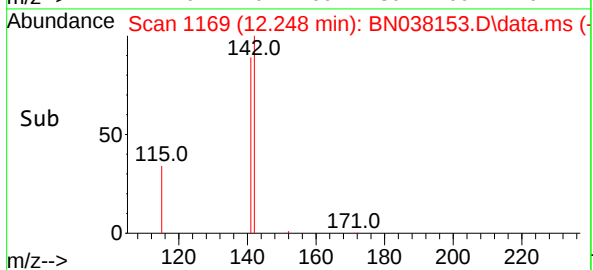
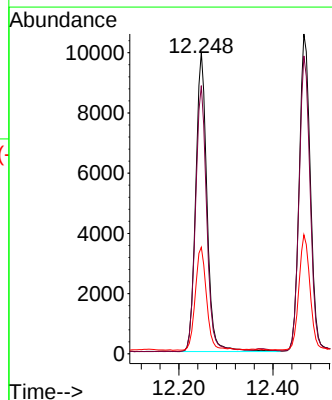
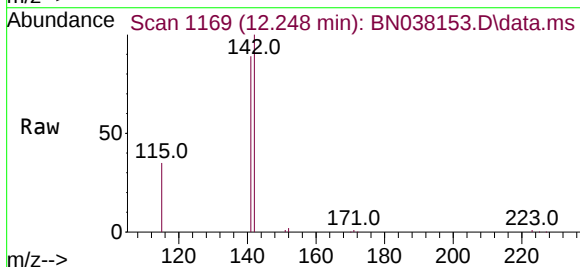
Instrument :
BNA_N
ClientSampleId :
PB170427BSD

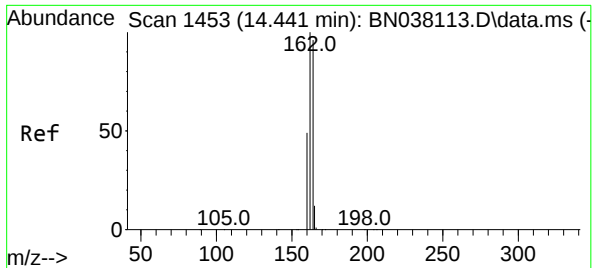
Tgt Ion:152 Resp: 15313
Ion Ratio Lower Upper
152 100
151 20.2 16.8 25.2



#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

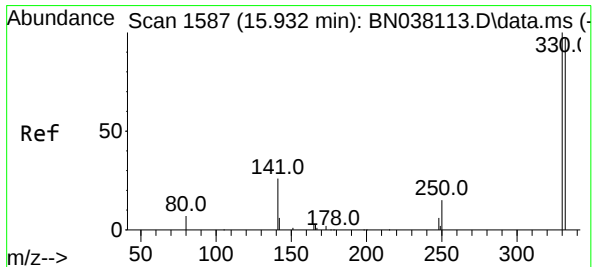
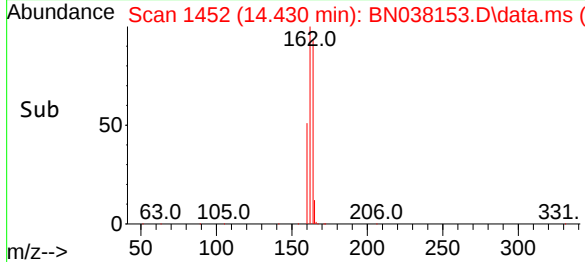
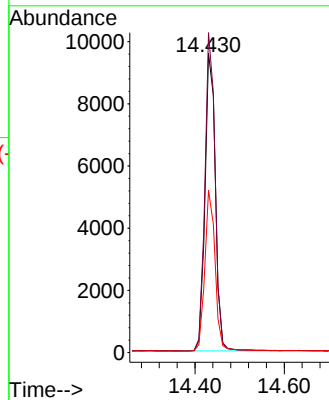
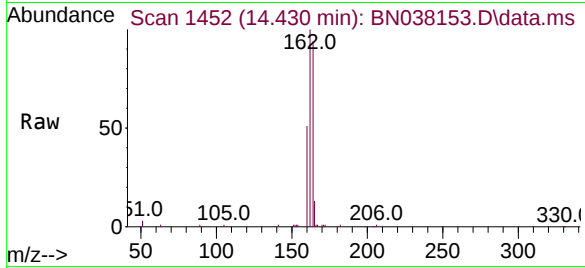




#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.430 min Scan# 1453
Delta R.T. -0.000 min
Lab File: BN038153.D
Acq: 07 Nov 2025 14:20

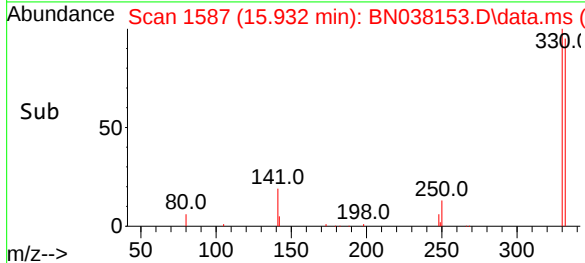
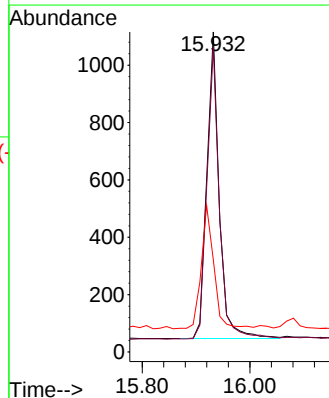
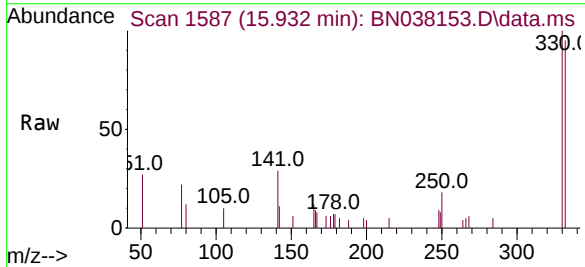
Instrument :
BNA_N
ClientSampleId :
PB170427BSD

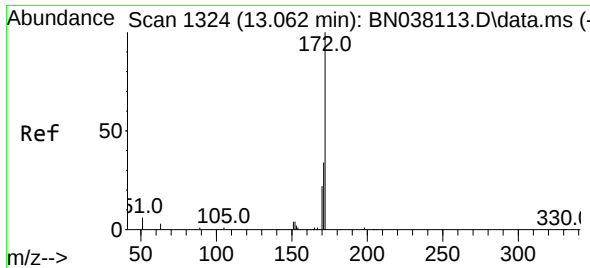
Tgt Ion	164	162	160
Resp:	15515	106.9	54.2
Ratio	100	106.9	54.2
Lower		83.0	40.7
Upper		124.4	61.1



#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	332	141
Resp:	1709	96.8	41.1
Ratio	100	96.8	41.1
Lower		76.6	34.1
Upper		114.8	51.1

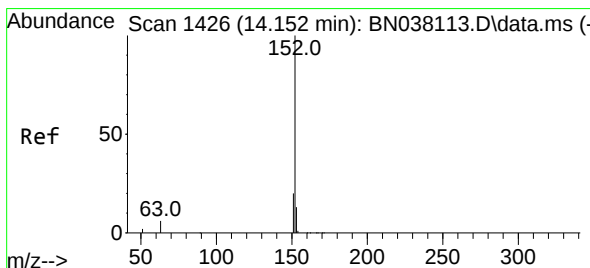
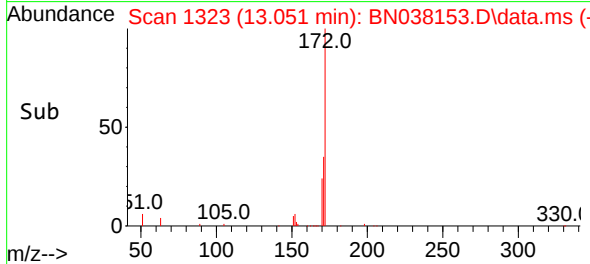
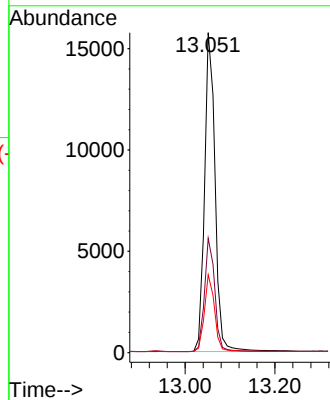
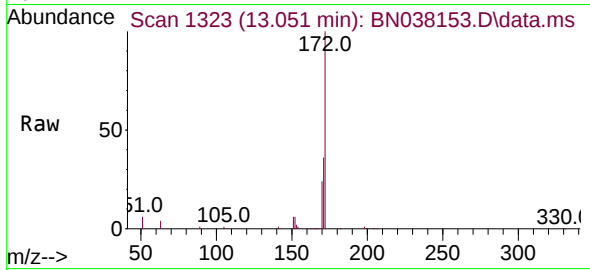




#15
2-Fluorobiphenyl
Concen: 0.377 ng
RT: 13.051 min Scan# 1323
Delta R.T. -0.000 min
Lab File: BN038153.D
Acq: 07 Nov 2025 14:20

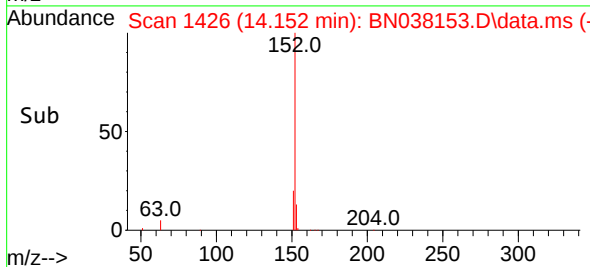
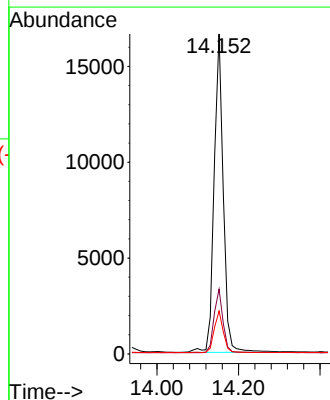
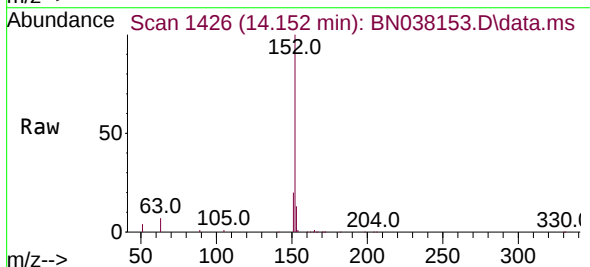
Instrument :
BNA_N
ClientSampleId :
PB170427BSD

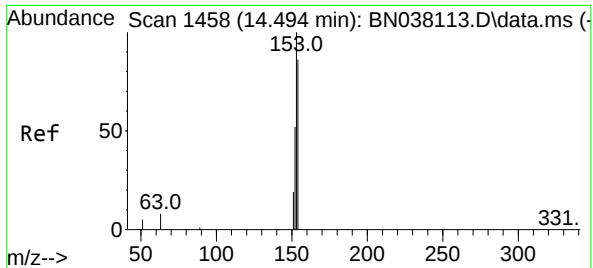
Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.7	27.8	41.6
170	24.3	18.1	27.1



#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

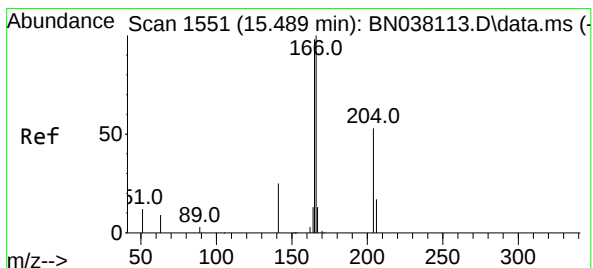
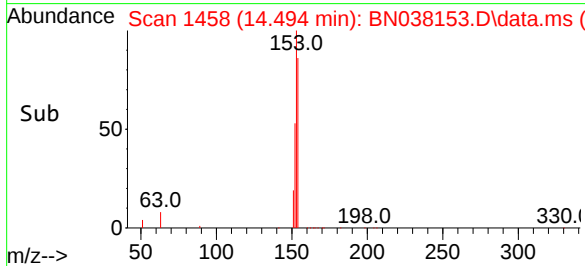
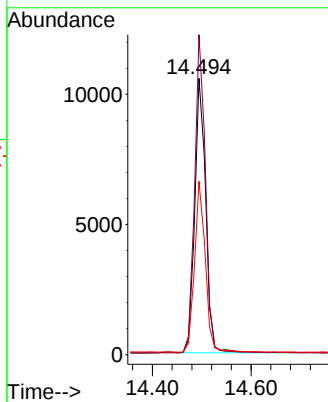
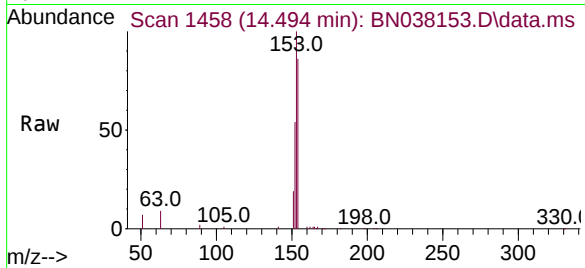




#17
Acenaphthene
Concen: 0.331 ng
RT: 14.494 min Scan# 1458
Delta R.T. -0.000 min
Lab File: BN038153.D
Acq: 07 Nov 2025 14:20

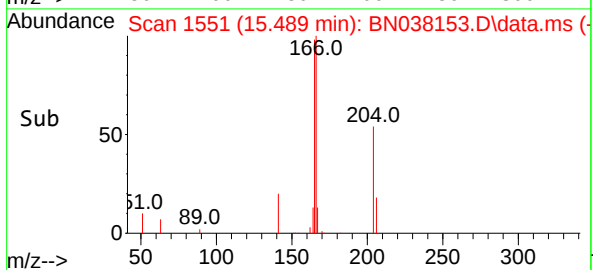
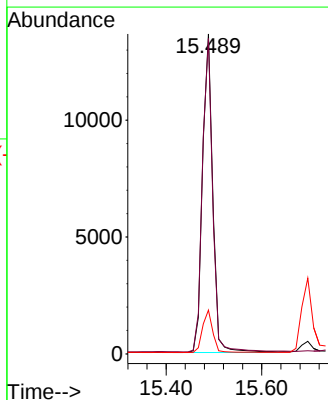
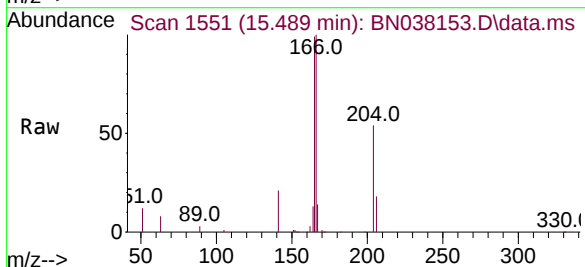
Instrument :
BNA_N
ClientSampleId :
PB170427BSD

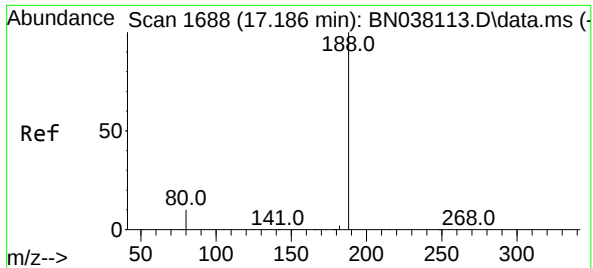
Tgt Ion:154 Resp: 16275
Ion Ratio Lower Upper
154 100
153 114.3 90.0 135.0
152 61.2 47.3 70.9



#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

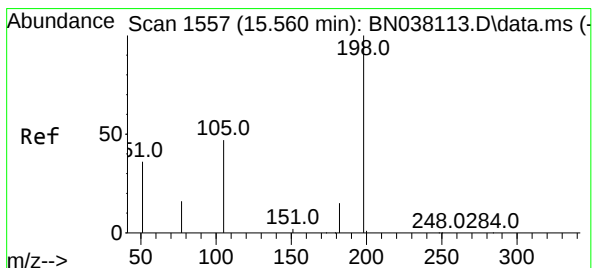
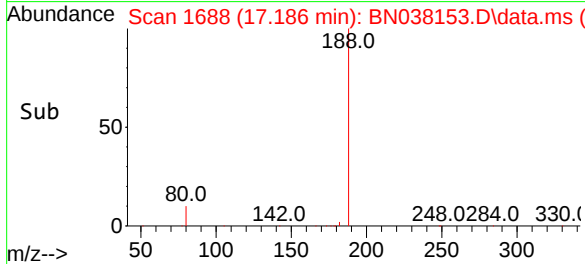
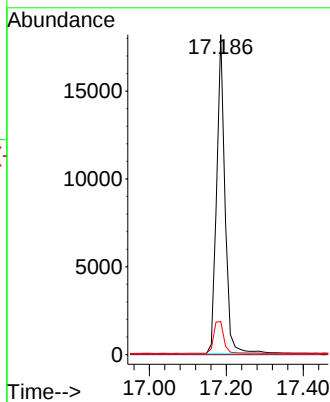
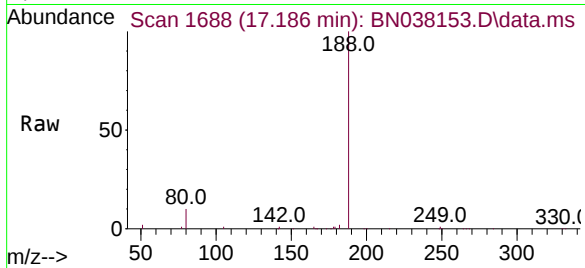




#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.186 min Scan# 1688
Delta R.T. -0.000 min
Lab File: BN038153.D
Acq: 07 Nov 2025 14:20

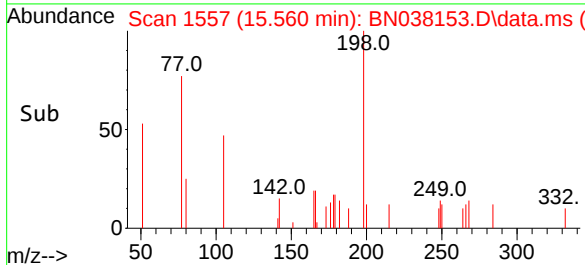
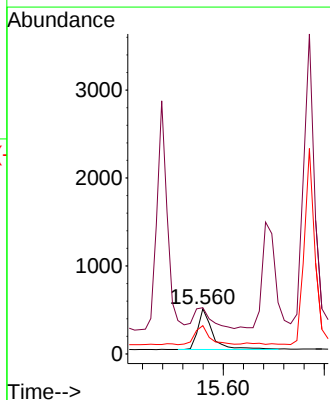
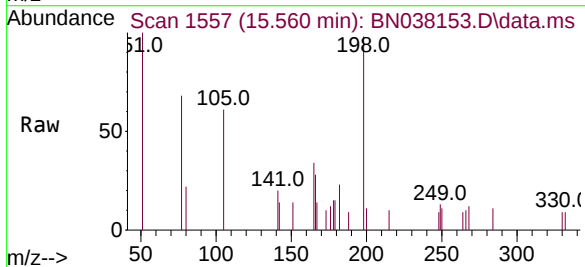
Instrument :
BNA_N
ClientSampleId :
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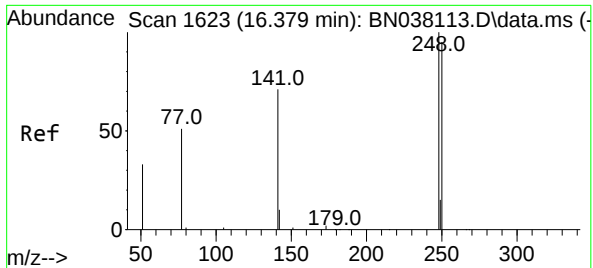
Tgt Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	10.3	8.6	13.0



#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	Ratio	Lower	Upper
198	100		
51	102.5	88.9	133.3
105	62.7	49.2	73.8

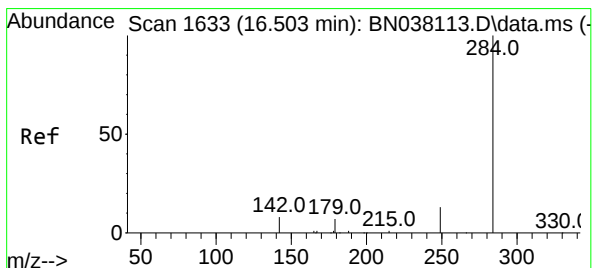
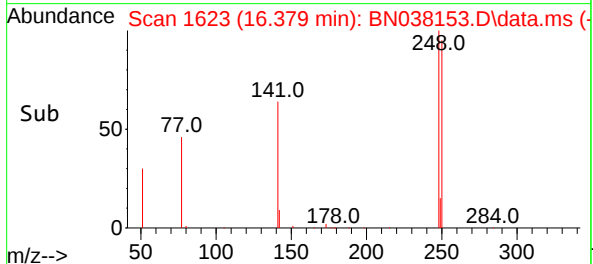
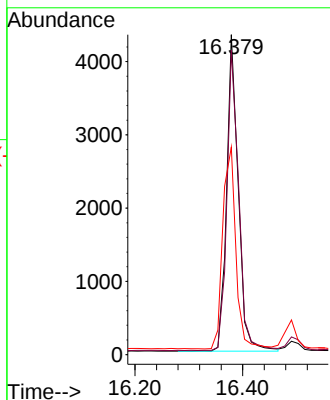
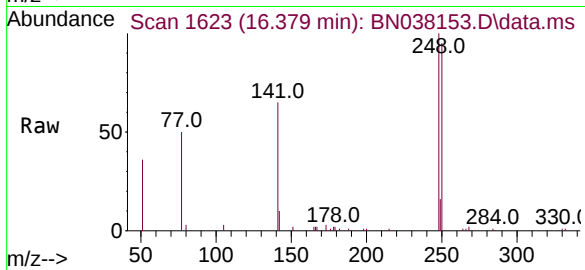




#21
4-Bromophenyl-phenylether
Concen: 0.360 ng
RT: 16.379 min Scan# 1623
Delta R.T. -0.000 min
Lab File: BN038153.D
Acq: 07 Nov 2025 14:20

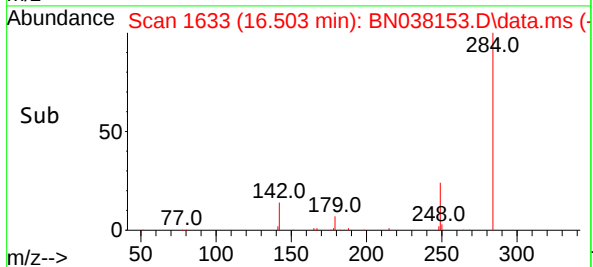
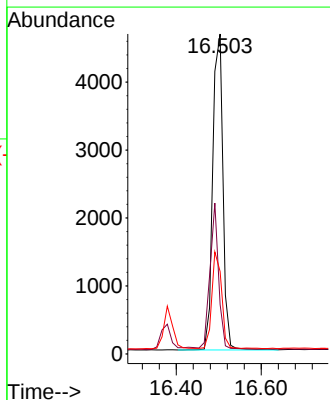
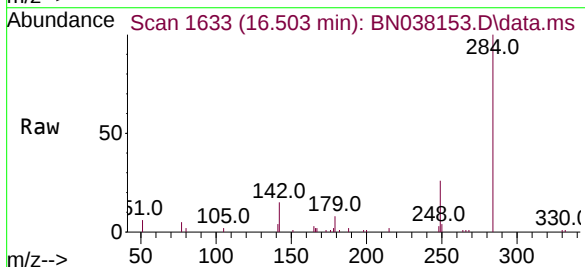
Instrument :
BNA_N
ClientSampleId :
PB170427BSD

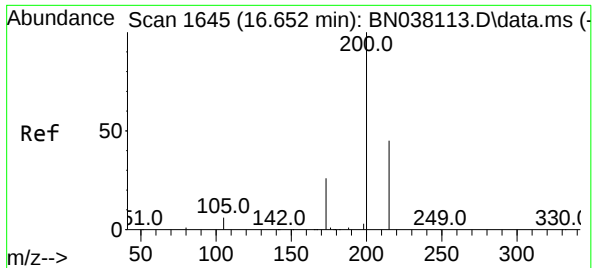
Tgt Ion	Ratio	Lower	Upper
248	100		
250	95.1	76.2	114.2
141	64.8	57.6	86.4



#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	Ratio	Lower	Upper
284	100		
142	39.5	30.5	45.7
249	29.1	23.5	35.3

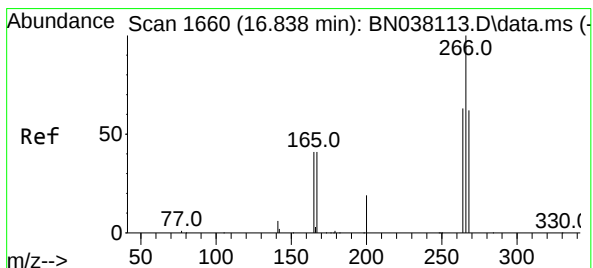
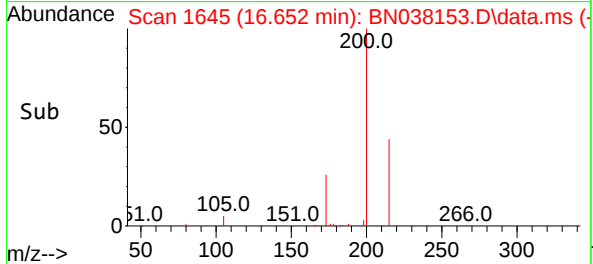
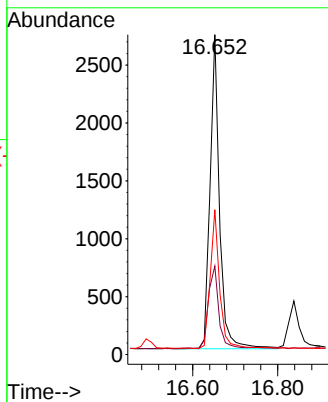
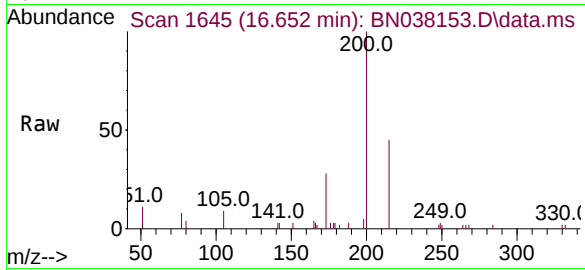




#23
Atrazine
Concen: 0.319 ng
RT: 16.652 min Scan# 1645
Delta R.T. -0.000 min
Lab File: BN038153.D
Acq: 07 Nov 2025 14:20

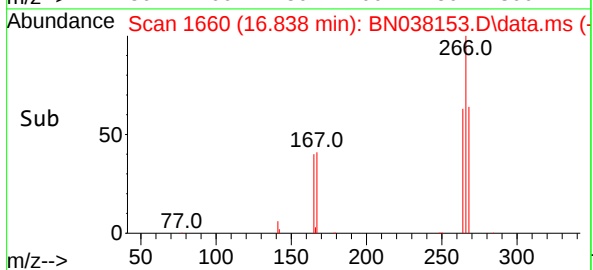
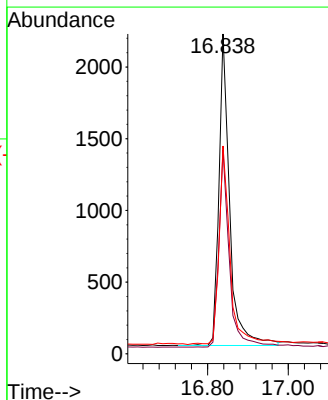
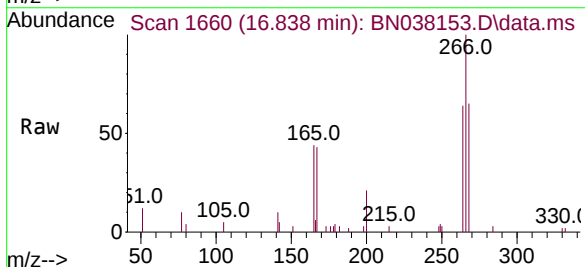
Instrument :
BNA_N
ClientSampleId :
PB170427BSD

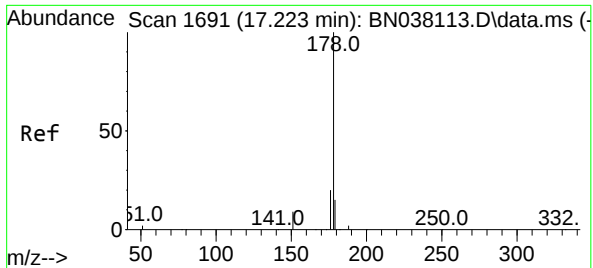
Tgt Ion	Ratio	Lower	Upper
200	100		
173	27.7	21.4	32.2
215	45.3	36.7	55.1



#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

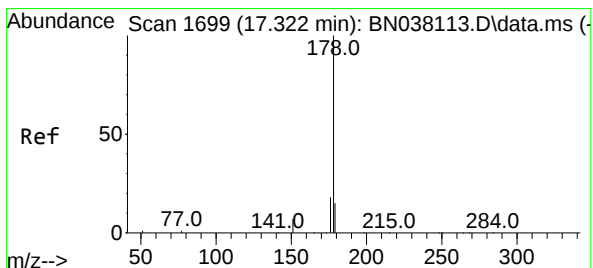
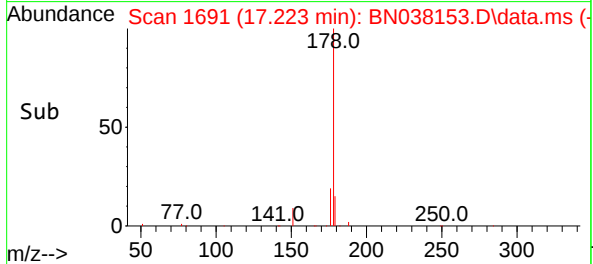
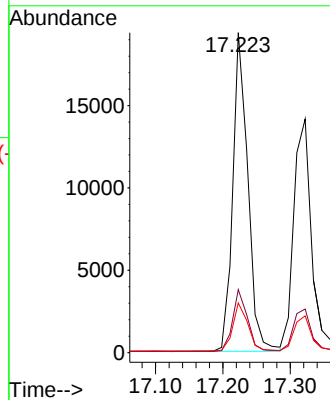
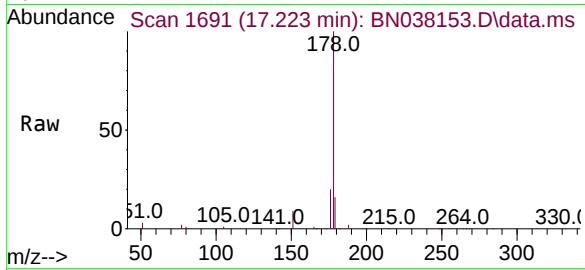




#25
Phenanthrene
Concen: 0.345 ng
RT: 17.223 min Scan# 1691
Delta R.T. -0.000 min
Lab File: BN038153.D
Acq: 07 Nov 2025 14:20

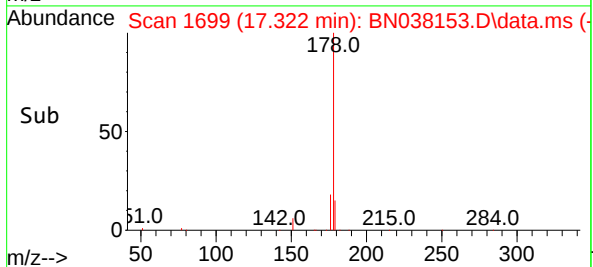
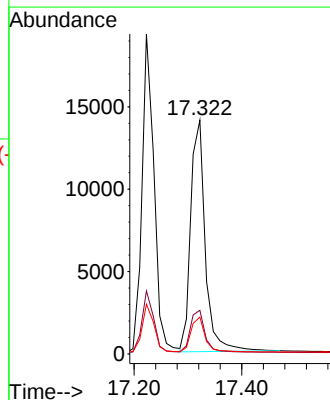
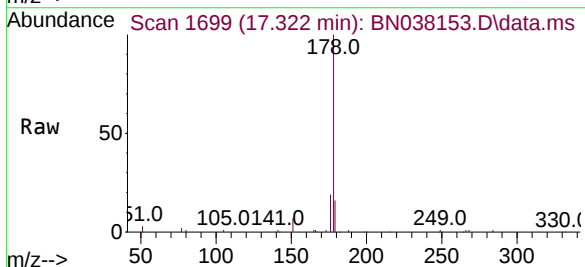
Instrument :
BNA_N
ClientSampleId :
PB170427BSD

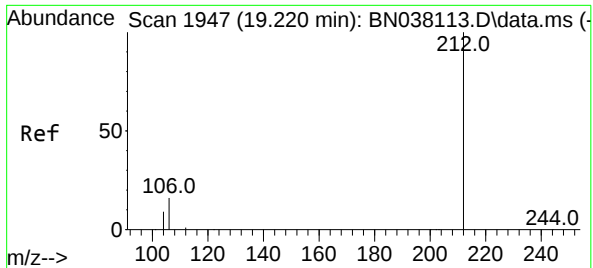
Tgt Ion:178 Resp: 30077
Ion Ratio Lower Upper
178 100
176 19.2 15.5 23.3
179 15.4 12.2 18.4



#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

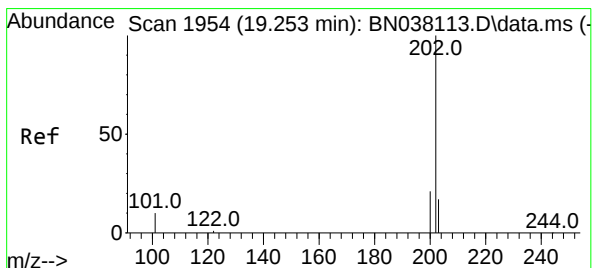
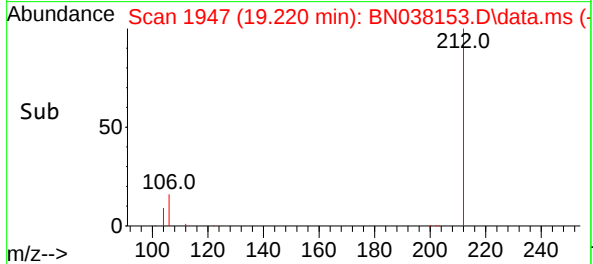
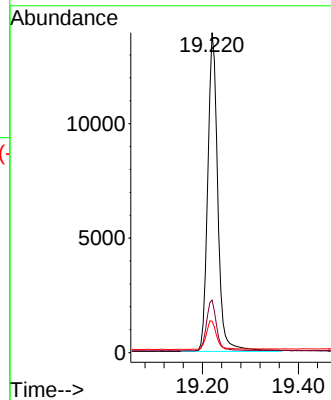
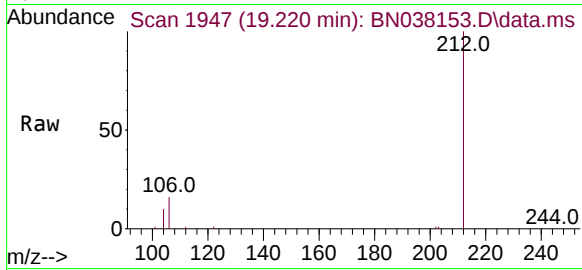
Tgt Ion:212 Resp: 20301

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

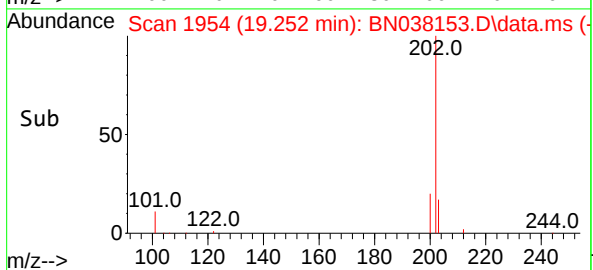
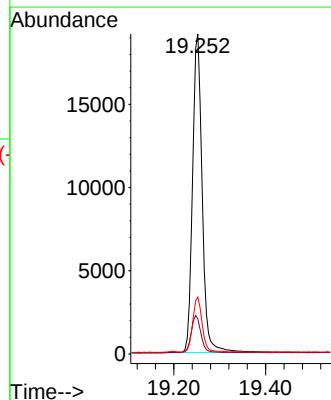
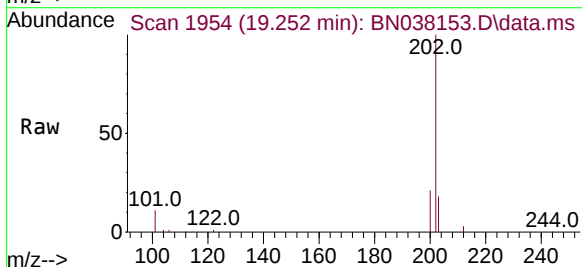
Tgt Ion:202 Resp: 27890

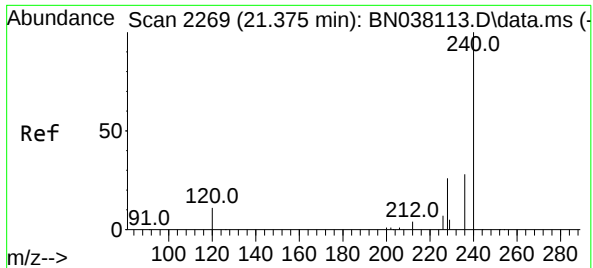
Ion Ratio Lower Upper

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

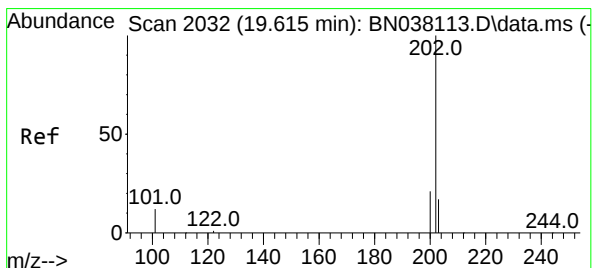
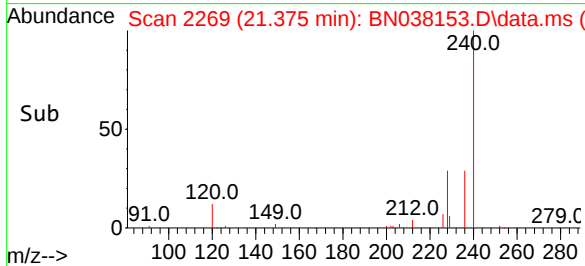
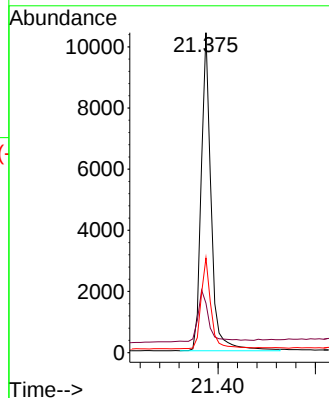
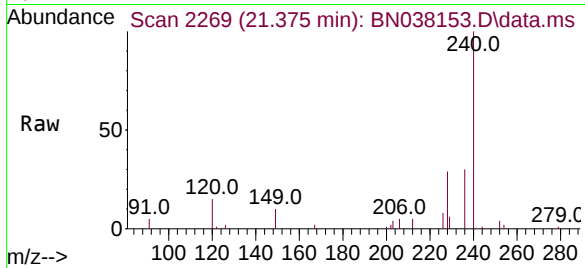
Tgt Ion:240 Resp: 14748

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

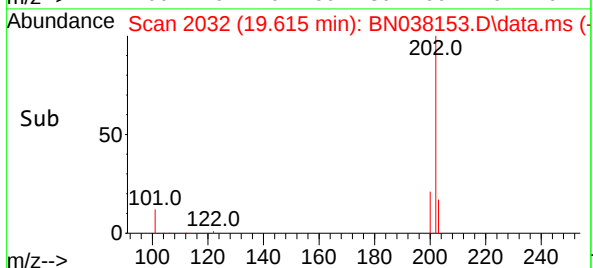
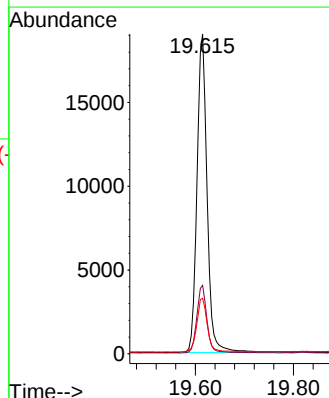
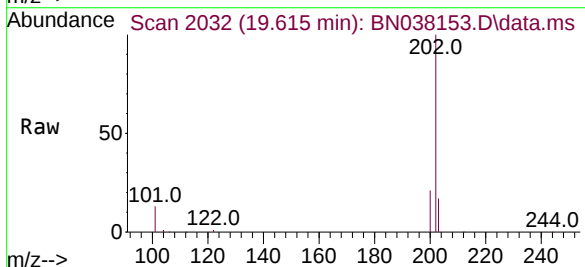
Tgt Ion:202 Resp: 27217

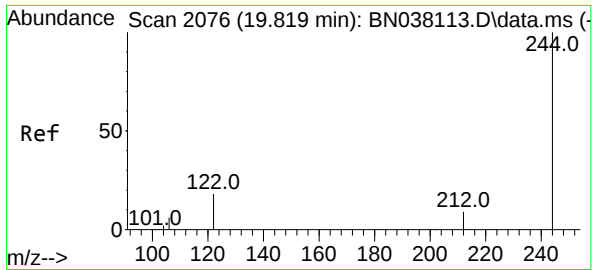
Ion Ratio Lower Upper

202 100

200 21.1 16.7 25.1

203 17.6 14.2 21.2

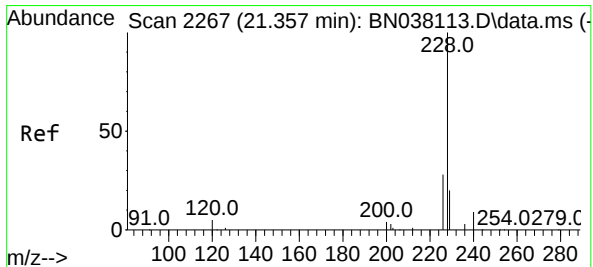
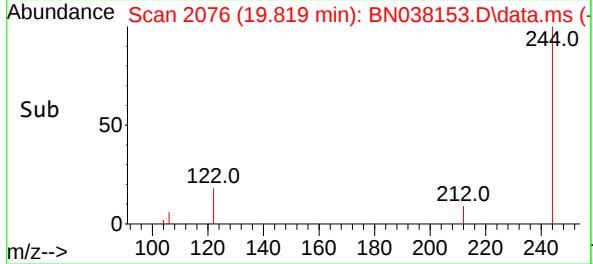
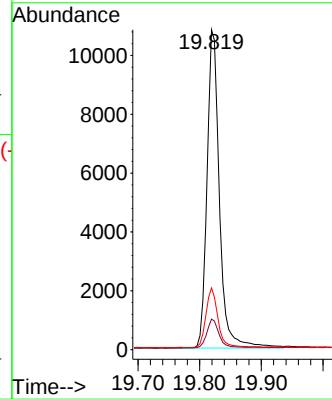
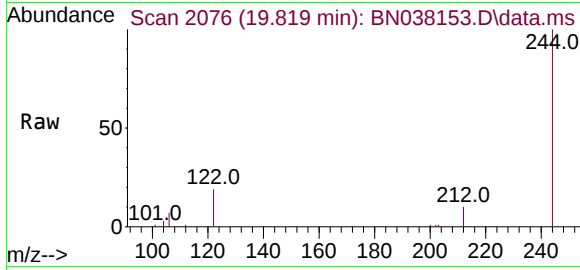




#31
Terphenyl-d14
Concen: 0.474 ng
RT: 19.819 min Scan# 2076
Delta R.T. -0.000 min
Lab File: BN038153.D
Acq: 07 Nov 2025 14:20

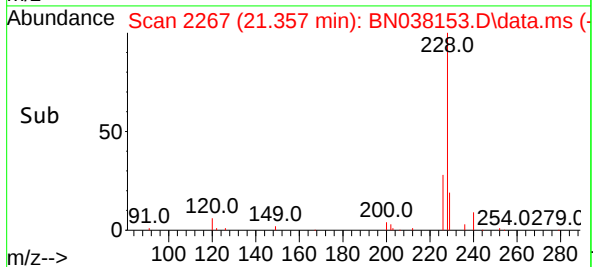
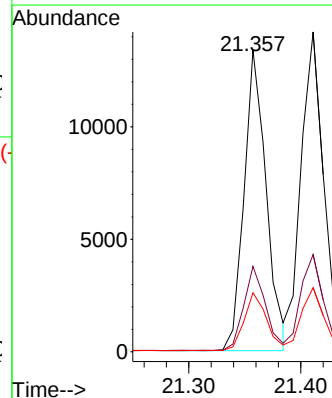
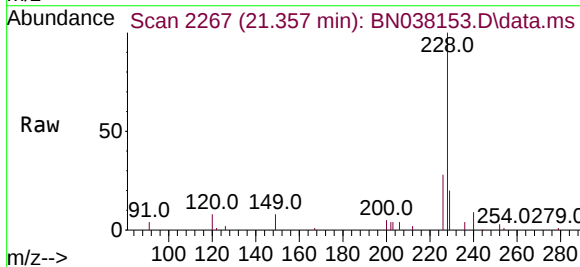
Instrument :
BNA_N
ClientSampleId :
PB170427BSD

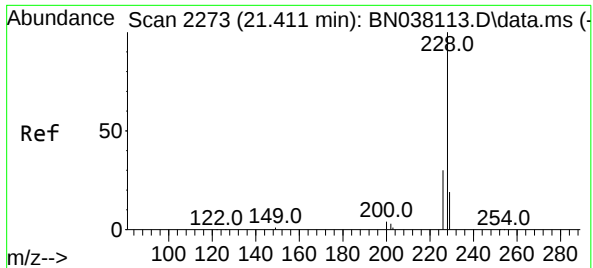
Tgt Ion	Ratio	Lower	Upper
244	100		
212	9.5	7.8	11.6
122	19.3	15.2	22.8



#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

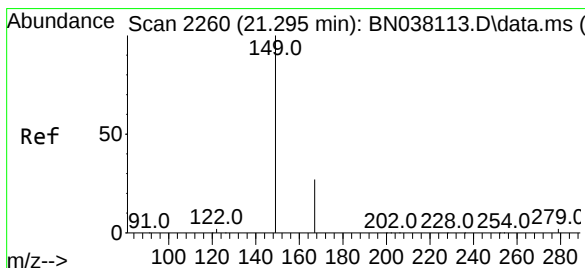
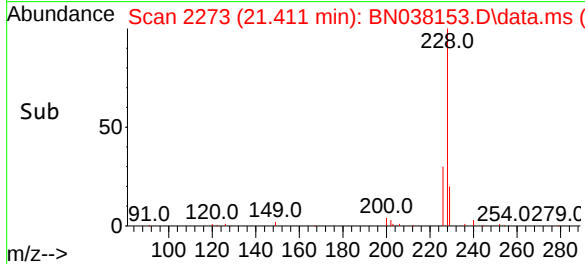
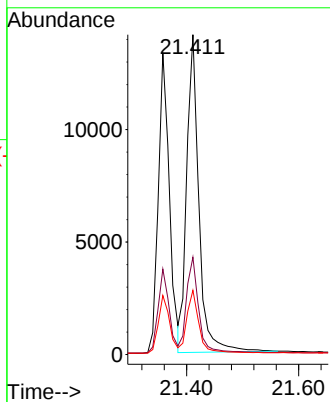
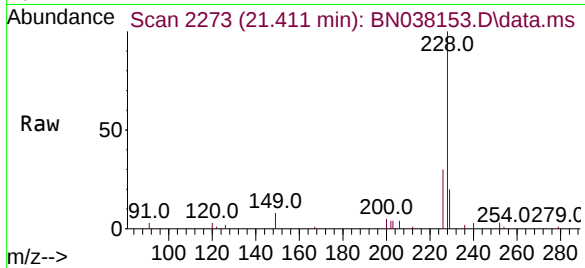




#33
Chrysene
Concen: 0.373 ng
RT: 21.411 min Scan# 21
Delta R.T. -0.000 min
Lab File: BN038153.D
Acq: 07 Nov 2025 14:20

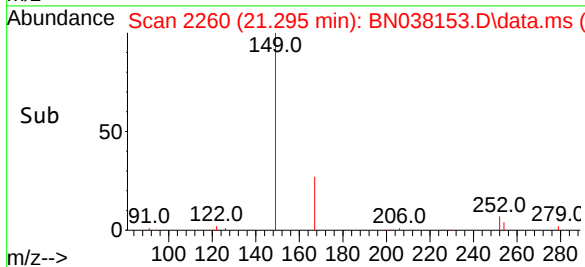
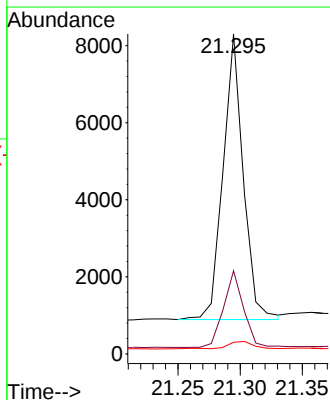
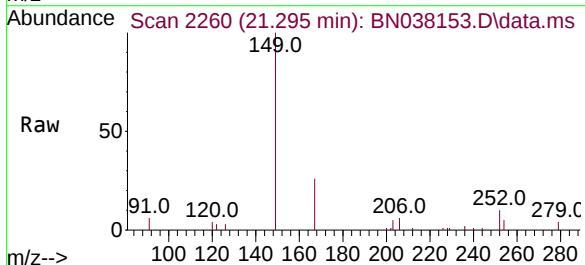
Instrument :
BNA_N
ClientSampleId :
PB170427BSD

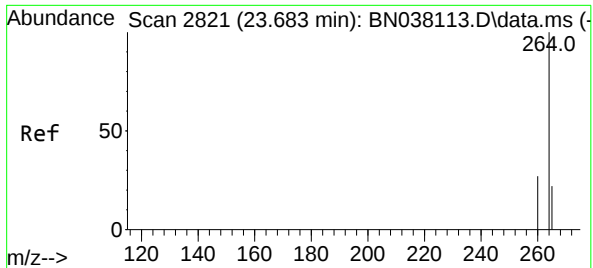
Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.4	24.3	36.5
229	20.1	15.7	23.5



#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	Ratio	Lower	Upper
149	100		
167	26.7	21.1	31.7
279	3.3	2.9	4.3

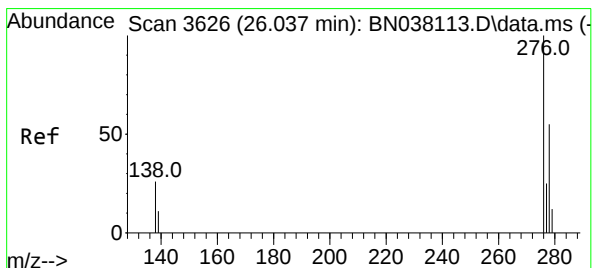
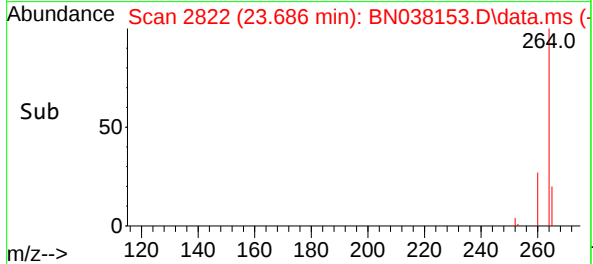
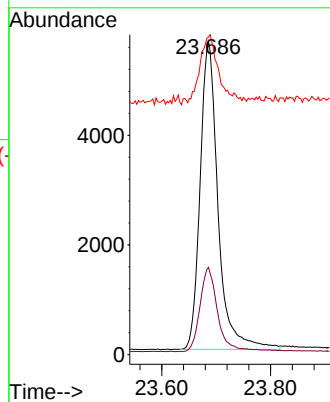
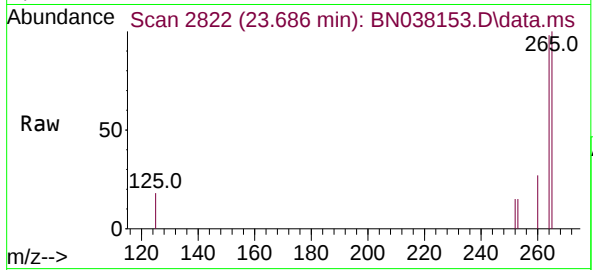




#35
Perylene-d12
Concen: 0.400 ng
RT: 23.686 min Scan# 2821
Delta R.T. 0.006 min
Lab File: BN038153.D
Acq: 07 Nov 2025 14:20

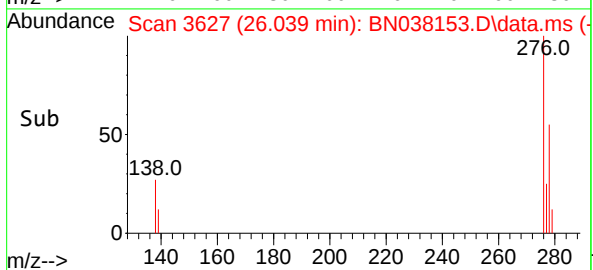
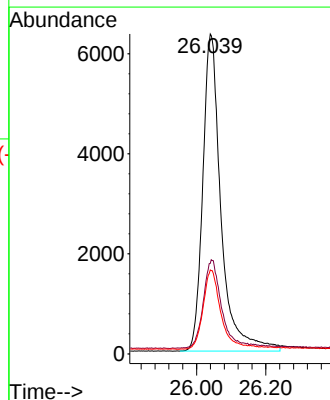
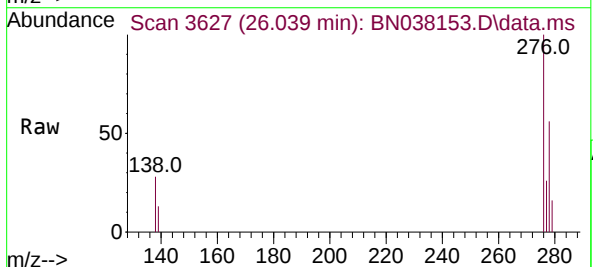
Instrument :
BNA_N
ClientSampleId :
PB170427BSD

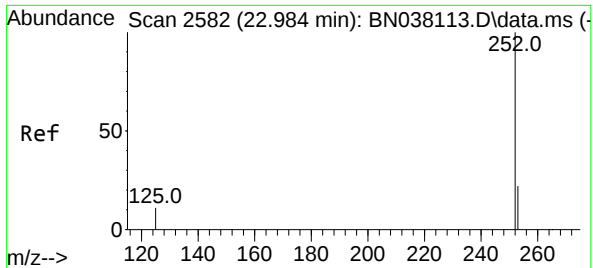
Tgt Ion:264 Resp: 12843
Ion Ratio Lower Upper
264 100
260 27.9 21.8 32.8
265 101.6 68.6 102.8



#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

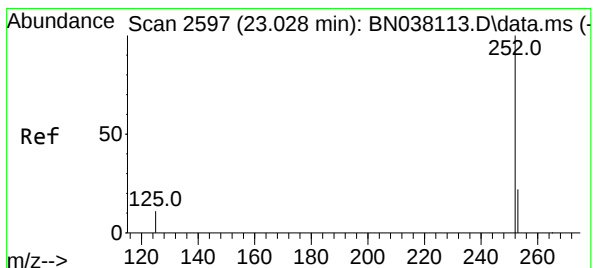
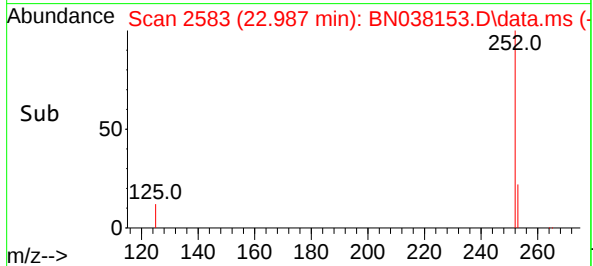
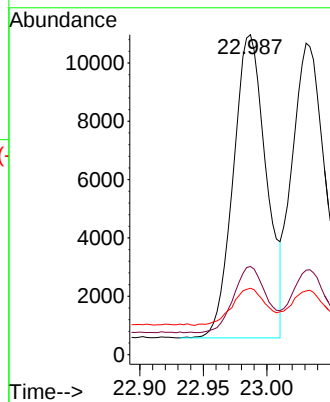
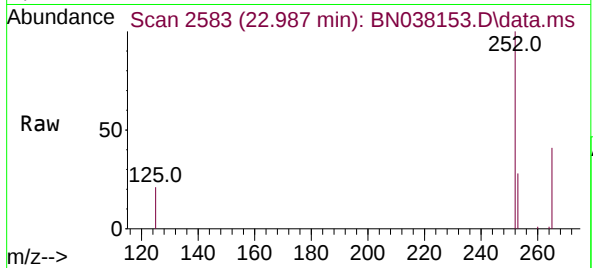




#37
Benzo(b)fluoranthene
Concen: 0.342 ng
RT: 22.987 min Scan# 2582
Delta R.T. 0.006 min
Lab File: BN038153.D
Acq: 07 Nov 2025 14:20

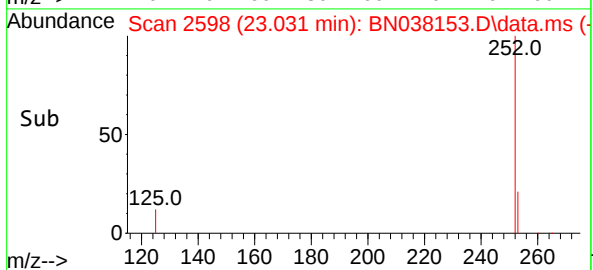
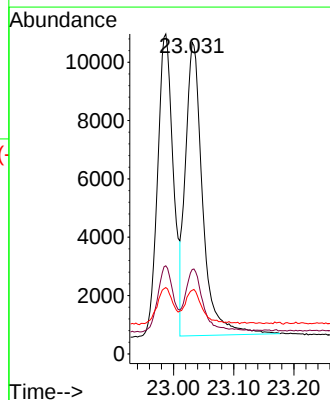
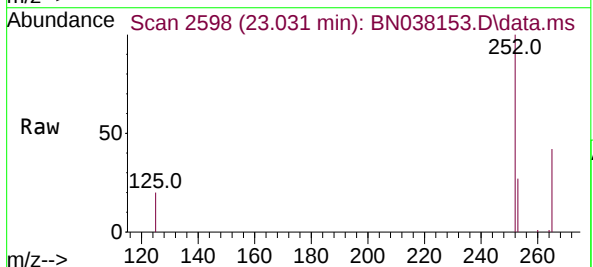
Instrument :
BNA_N
ClientSampleId :
PB170427BSD

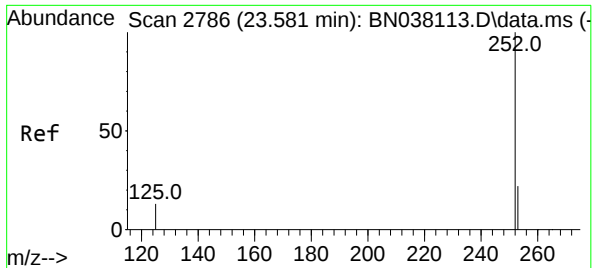
Tgt Ion:252 Resp: 18803
Ion Ratio Lower Upper
252 100
253 27.5 20.9 31.3
125 20.7 14.1 21.1



#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

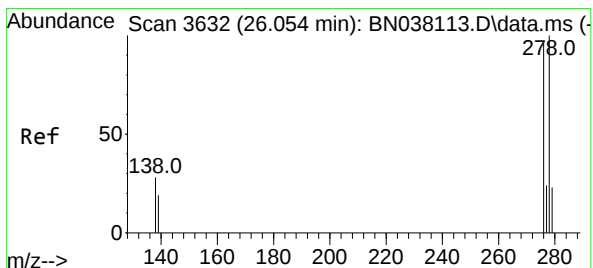
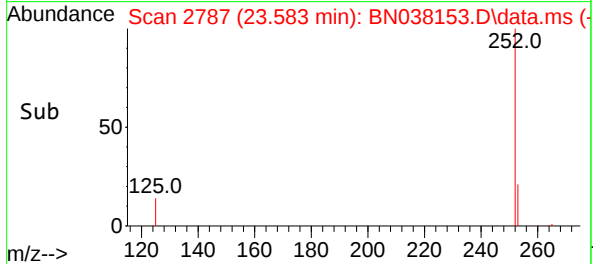
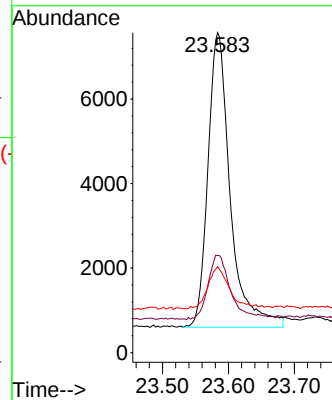
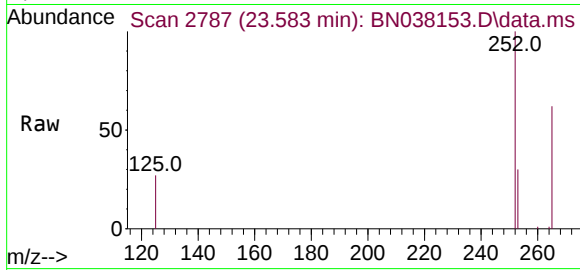
Tgt Ion:252 Resp: 16370

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

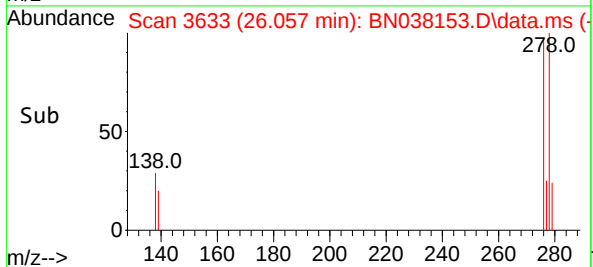
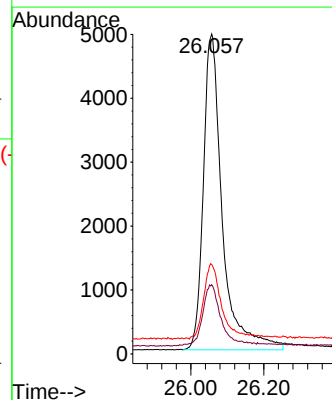
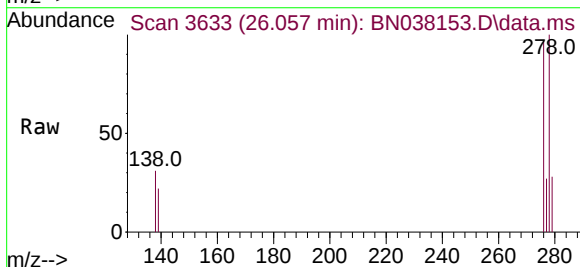
Tgt Ion:278 Resp: 17788

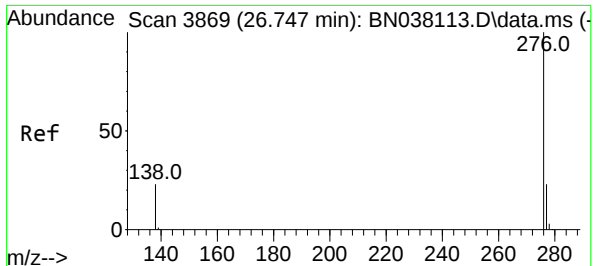
Ion Ratio Lower Upper

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

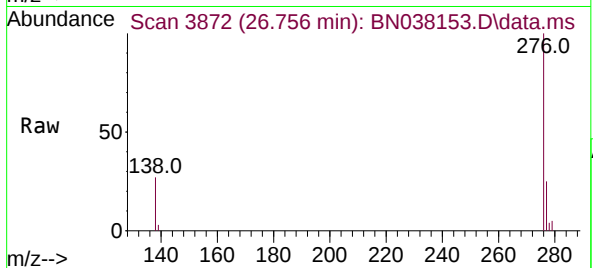
Acq: 07 Nov 2025 14:20

Instrument :

BNA_N

ClientSampleId :

PB170427BSD



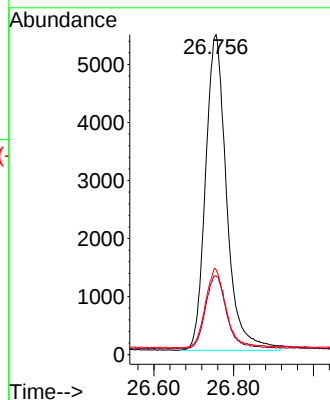
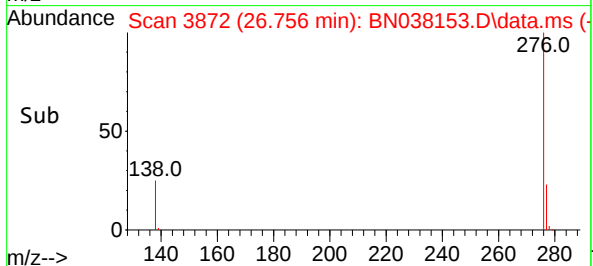
Tgt Ion:276 Resp: 20005

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

Manual Integration Report

Sequence:

BN110725

Instrument

BNA_n

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



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

Manual Integration Report

Sequence:

BN111025

Instrument

BNA_n

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

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

CLIENT PROJECT INFORMATION

CLIENT BILLING INFORMATION

REPORT TO BE SENT TO:
 COMPANY: Remington Vernick Engineers
 ADDRESS: 2059 Springdale Road
 CITY: Cherry Hill STATE: NJ ZIP: 08003
 ATTENTION: Kyle Carison @ NE.com
 PHONE: 609-682-3049 FAX:

PROJECT NAME: Edison Landfill
 PROJECT NO.: 1205T007 LOCATION: Edison NJ
 PROJECT MANAGER: Leslie Hartzell
 e-mail: Leslie.Hartzell@NE.com
 PHONE: 610-663-4665 FAX:

BILL TO: APink@ONE.com PO#: 1205T007
 ADDRESS: 2059 Springdale Road
 CITY: Cherry Hill STATE: NJ ZIP: 08003
 ATTENTION: Leslie Hartzell PHONE: 610-663-4665

ANALYSIS

DATA TURNAROUND INFORMATION

DATA DELIVERABLE INFORMATION

FAX (RUSH) _____ DAYS*
 HARDCOPY (DATA PACKAGE): STAT _____ DAYS*
 EDD: _____ DAYS*

*TO BE APPROVED BY CHEMTECH

STANDARD HARDCOPY TURNAROUND TIME IS 10 BUSINESS

☐ 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: NJ HAT

TEL: 610-663-4665
 2. VOCs
 3. TML/Heavy Metals
 4. Cyanide
 5. COD
 6. TKN
 7. Oil/Grease
 8. Hexachrome
 9.

PRESERVATIVES

COMMENTS

ALLIANCE SAMPLE ID	PROJECT SAMPLE IDENTIFICATION	SAMPLE MATRIX	SAMPLE TYPE		SAMPLE COLLECTION		# OF BOTTLES	PRESERVATIVES								COMMENTS
			COMP	GRAB	DATE	TIME		E	A	B	D	C	C	C	F	
1.	MW-4	GW		P	11/4/25	13:40	15	7	2	1	1	1	1	1	1	
2.	MW-8	GW		P	11/4/25	13:45	15	7	2	1	1	1	1	1	1	
3.	MW-9	GW		P	11/4/25	16:00	15	7	2	1	1	1	1	1	1	
4.	MW-10	GW		P	11/5/25	12:00	15	7	2	1	1	1	1	1	1	
5.	MW-3	GW		P	11/4/25	16:15	15	7	2	1	1	1	1	1	1	
6.	TB-1	GW		P	11/5/25	8:00	2	2								trip blank
7.																
8.																
9.																
10.																

SAMPLE CUSTODY MUST BE DOCUMENTED BELOW EACH TIME SAMPLES CHANGE POSSESSION INCLUDING COURIER DELIVERY

RELINQUISHED BY SAMPLER: 1. Anna Nayer	DATE/TIME: 11/5/25 (13:30)	RECEIVED BY: JT	Conditions of bottles or coolers at receipt: ☒ COMPLIANT ☐ NON COMPLIANT ☐ COOLER TEMP <u>3.8 + 0 = 3.8</u>
RELINQUISHED BY SAMPLER: 2.	DATE/TIME:	RECEIVED BY:	Comments:
RELINQUISHED BY SAMPLER: 3. JT	DATE/TIME: 11/5/25	RECEIVED BY:	

Page ____ of ____ CLIENT: ☐ Hand Delivered ☐ Other ☐ Shipment Complete ☐ YES ☐ NO

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

LOGIN REPORT/SAMPLE TRANSFER

Order ID : Q3552	REMI02	Order Date : 11/5/2025 2:23:00 PM	Project Mgr :
Client Name : Remington & Vernick Engi		Project Name : Edison Landfill	Report Type : NJ Reduced
Client Contact : Kyle Carlson		Receive DateTime : 11/5/2025 12:00:00 AM 2:45 PM	EDD Type : Excel NJ
Invoice Name : Remington & Vernick Engi		Purchase Order :	Hard Copy Date :
Invoice Contact : Kyle Carlson			Date Signoff :

LAB ID	CLIENT ID	MATRIX	SAMPLE DATE	SAMPLE TIME	TEST	TEST GROUP	METHOD	FAX DATE	DUE DATES
Q3552-01	MW-4	Water	11/04/2025	13:40	VOC-TCLVOA-10	TCL+30/TAL	8260-Low	10 Bus. Days	
Q3552-02	MW-8	Water	11/04/2025	13:45	VOC-TCLVOA-10	TCL+30/TAL	8260-Low	10 Bus. Days	
Q3552-03	MW-9	Water	11/04/2025	16:00	VOC-TCLVOA-10	TCL+30/TAL	8260-Low	10 Bus. Days	
Q3552-04	MW-10	Water	11/05/2025	12:00	VOC-TCLVOA-10	TCL+30/TAL	8260-Low	10 Bus. Days	
Q3552-05	MW-3	Water	11/04/2025	16:15	VOC-TCLVOA-10	TCL+30/TAL	8260-Low	10 Bus. Days	
Q3552-06	TB	Water	11/05/2025	08:00	VOC-TCLVOA-10		8260-Low	10 Bus. Days	

LOGIN REPORT/SAMPLE TRANSFER

Order ID : Q3552	REMI02	Order Date : 11/5/2025 2:23:00 PM	Project Mgr :
Client Name : Remington & Vernick Engi		Project Name : Edison Landfill	Report Type : NJ Reduced
Client Contact : Kyle Carlson		Receive DateTime : 11/5/2025 12:00:00 AM 2:45 PM	EDD Type : Excel NJ
Invoice Name : Remington & Vernick Engi		Purchase Order :	Hard Copy Date :
Invoice Contact : Kyle Carlson			Date Signoff :

LAB ID	CLIENT ID	MATRIX	SAMPLE DATE	SAMPLE TIME	TEST	TEST GROUP	METHOD	FAX DATE	DUE DATES
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*Stored in VOA
FRZ # 04*

Relinquished By : *al*
Date / Time : 11/5/25 15/5

Received By : *Wm Dada*
Date / Time : 11/5/25 15:20

Storage Area : VOA Refridgerator Room