

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:	Q3618	OrderDate:	11/12/2025 2:35:43 PM
Client:	ENTACT	Project:	Whittaker Coatings Site – E9125B
Contact:	Austin Farmerie	Location:	D41,VOA Ref. #2 Soil

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q3618-01	EME-TOP-SOIL	SOIL			11/12/25			11/12/25
			SVOC-SIMGroup1	8270-Modified		11/18/25	12/01/25	
			SVOC-TCL BNA -20	8270E		11/13/25	11/13/25	
Q3618-02	EME-GENERAL-FILL	SOIL			11/12/25			11/12/25
			SVOC-SIMGroup1	8270-Modified		11/18/25	12/01/25	
			SVOC-TCL BNA -20	8270E		11/13/25	11/13/25	
Q3618-02MS	EME-GENERAL-FILLMS	SOIL			11/12/25			11/12/25
			SVOC-SIMGroup1	8270-Modified		11/18/25	12/01/25	
Q3618-02MS	EME-GENERAL-FILLMS	SOIL			11/12/25			11/12/25
D	D		SVOC-SIMGroup1	8270-Modified		11/18/25	12/01/25	



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Hit Summary Sheet
SW-846

SDG No.: Q3618
Client: ENTACT

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Client ID :								
				0.000				
			Total Svoc :			0.00		
			Total Concentration:			0.00		



QC SUMMARY

Surrogate Summary

SW-846

SDG No.: Q3618

Client: ENTACT

Analytical Method: 8270-Modified

Lab Sample ID	Client ID	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%)	
							Low	High
PB170590BL	PB170590BL	2-Methylnaphthalene-d10	0.4	0.32	81		17	161
		Fluoranthene-d10	0.4	0.36	91		23	138
		Nitrobenzene-d5	0.4	0.35	88		33	121
		2-Fluorobiphenyl	0.4	0.37	92		32	121
		Terphenyl-d14	0.4	0.38	94		21	130
PB170590BS	PB170590BS	2-Methylnaphthalene-d10	0.4	0.38	94		17	161
		Fluoranthene-d10	0.4	0.44	109		23	138
		Nitrobenzene-d5	0.4	0.43	106		33	121
		2-Fluorobiphenyl	0.4	0.49	122	*	32	121
		Terphenyl-d14	0.4	0.37	92		21	130
Q3618-01	EME-TOP-SOIL	2-Methylnaphthalene-d10	0.4	0.24	60		17	161
		Fluoranthene-d10	0.4	0.27	66		23	138
		Nitrobenzene-d5	0.4	0.26	65		33	121
		2-Fluorobiphenyl	0.4	0.28	70		32	121
		Terphenyl-d14	0.4	0.24	59		21	130
Q3618-02	EME-GENERAL-FILL	2-Methylnaphthalene-d10	0.4	0.35	86		17	161
		Fluoranthene-d10	0.4	0.37	93		23	138
		Nitrobenzene-d5	0.4	0.37	92		33	121
		2-Fluorobiphenyl	0.4	0.39	98		32	121
		Terphenyl-d14	0.4	0.40	101		21	130
Q3618-02MS	EME-GENERAL-FILLMS	2-Methylnaphthalene-d10	0.4	0.33	83		17	161
		Fluoranthene-d10	0.4	0.31	78		23	138
		Nitrobenzene-d5	0.4	0.34	85		33	121
		2-Fluorobiphenyl	0.4	0.37	91		32	121
		Terphenyl-d14	0.4	0.34	85		21	130
Q3618-02MSD	EME-GENERAL-FILLMSD	2-Methylnaphthalene-d10	0.4	0.36	90		17	161
		Fluoranthene-d10	0.4	0.33	83		23	138
		Nitrobenzene-d5	0.4	0.37	91		33	121
		2-Fluorobiphenyl	0.4	0.39	97		32	121
		Terphenyl-d14	0.4	0.37	92		21	130

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q3618

Analytical Method: SW8270-Modified

Client: ENTACT

DataFile: BN038234.D

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Low	Limits High	RPD
Lab Sample ID:	Q3618-02MS	Client Sample ID:	EME-GENERAL-FILLMS								
1,4-Dioxane	15.1	0	12.9	ug/Kg	85				70	130	

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q3618

Analytical Method: SW8270-Modified

Client: ENTACT

DataFile: BN038235.D

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Low	Limits High	RPD
Lab Sample ID:	Q3618-02MSD	Client Sample ID:	EME-GENERAL-FILLMSD								
1,4-Dioxane	15.1	0	14.1	ug/Kg	93		9		70	130	20

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q3618

Analytical Method: 8270-Modified

Client: ENTACT

DataFile: BN038237.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD	Limits		RPD
								Qual	Low	High	
PB170590BS	1,4-Dioxane	13.3	10.9	ug/Kg	82				70	130	

4B

SEMIVOLATILE METHOD BLANK SUMMARY

Client ID

PB170590BL

Lab Name: Alliance

Contract: ENTA05

Lab Code: ACE

SDG NO.: Q3618

Lab File ID: BN038223.D

Lab Sample ID: PB170590BL

Instrument ID: BNA_N

Date Extracted: 11/18/2025

Matrix: (soil/water) SOIL

Date Analyzed: 12/01/2025

Level: (low/med) LOW

Time Analyzed: 10:59

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
PB170590BS	PB170590BS	BN038237.D	12/01/2025
EME-GENERAL-FILL	Q3618-02	BN038233.D	12/01/2025
EME-GENERAL-FILLMS	Q3618-02MS	BN038234.D	12/01/2025
EME-GENERAL-FILLMSD	Q3618-02MSD	BN038235.D	12/01/2025
EME-TOP-SOIL	Q3618-01	BN038236.D	12/01/2025

COMMENTS: _____



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5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: Alliance
Lab Code: ACE
Lab File ID: BN038211.D
Instrument ID: BNA_N

Contract: ENTA05
SDG NO.: Q3618
DFTPP Injection Date: 11/26/2025
DFTPP Injection Time: 19:55

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
68	Less than 2.0% of mass 69	0.6 (1.8) 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	6.6
365	Greater than 1% of mass 198	3.6
441	Present, but less than mass 443	14.5
442	Greater than 50% of mass 198	90.9
443	15.0 - 24.0% of mass 442	18.4 (20.3) 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	BN038212.D	11/26/2025	20:35
SSTDICC0.2	SSTDICC0.2	BN038213.D	11/26/2025	21:12
SSTDICCC0.4	SSTDICCC0.4	BN038214.D	11/26/2025	21:48
SSTDICC0.8	SSTDICC0.8	BN038215.D	11/26/2025	22:25
SSTDICC1.6	SSTDICC1.6	BN038216.D	11/26/2025	23:01
SSTDICC3.2	SSTDICC3.2	BN038217.D	11/26/2025	23:37
SSTDICC5.0	SSTDICC5.0	BN038218.D	11/27/2025	00:13



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5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: Alliance
Lab Code: ACE
Lab File ID: BN038221.D
Instrument ID: BNA_N

Contract: ENTA05
SDG NO.: Q3618
DFTPP Injection Date: 12/01/2025
DFTPP Injection Time: 09:44

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	40.4
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	3.1
441	Present, but less than mass 443	13.5
442	Greater than 50% of mass 198	79.5
443	15.0 - 24.0% of mass 442	16.5 (20.8) 2

1-Value is % mass 69

2-Value is % mass 442

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
SSTDCCC0.4	SSTDCCC0.4	BN038222.D	12/01/2025	10:23
PB170590BL	PB170590BL	BN038223.D	12/01/2025	10:59



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5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: Alliance
Lab Code: ACE
Lab File ID: BN038229.D
Instrument ID: BNA_N

Contract: ENTA05
SDG NO.: Q3618
DFTPP Injection Date: 12/01/2025
DFTPP Injection Time: 17:11

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	39.1
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	6.7
365	Greater than 1% of mass 198	3.4
441	Present, but less than mass 443	14.5
442	Greater than 50% of mass 198	83
443	15.0 - 24.0% of mass 442	16.5 (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
SSTDCCC0.4	SSTDCCC0.4	BN038230.D	12/01/2025	17:51
EME-GENERAL-FILL	Q3618-02	BN038233.D	12/01/2025	19:40
EME-GENERAL-FILLMS	Q3618-02MS	BN038234.D	12/01/2025	20:17
EME-GENERAL-FILLMSD	Q3618-02MSD	BN038235.D	12/01/2025	20:53
EME-TOP-SOIL	Q3618-01	BN038236.D	12/01/2025	21:29
PB170590BS	PB170590BS	BN038237.D	12/01/2025	22:05

8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Alliance

Lab Code: ACE

SDG NO.: Q3618

Client ID : SSTDCCC0.4

Date Analyzed: 12/01/2025

Lab File ID: BN038222.D

Time Analyzed: 10:23

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	7356	7.768	22525	10.56	12376	14.43
UPPER LIMIT	14712	8.268	45050	11.062	24752	14.93
LOWER LIMIT	3678	7.268	11262.5	10.062	6188	13.93
EPA SAMPLE NO.						
01 PB170590BL	8151	7.77	22998	10.57	11468	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.: Q3618

Client ID: SSTDCCC0.4

Date Analyzed: 12/01/2025

Lab File ID: BN038222.D

Time Analyzed: 10:23

Instrument ID: BNA_N

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

01

	IS4 (PHN) AREA #	RT #	IS5 (CRY) AREA #	RT #	IS6 (PRY) AREA #	RT #
12 HOUR STD	22320	17.186	12271	21.366	11359	23.674
UPPER LIMIT	44640	17.686	24542	21.866	22718	24.174
LOWER LIMIT	11160	16.686	6135.5	20.866	5679.5	23.174
EPA SAMPLE NO.						
PB170590BL	17647	17.20	10944	21.38	10217	23.68

IS4 (PHN) = Phenanthrene-d10

IS5 (CRY) = Chrysene-d12

IS6 (PRY) = Perylene-d12

AREA UPPER LIMIT = +100% of internal standard area

AREA LOWER LIMIT = -50% of internal standard area

RT UPPER LIMIT = +0.50 minutes of internal standard RT

RT UPPER LIMIT = -0.50 minutes of internal standard RT

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

* Values outside of QC limits.

8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Alliance

Lab Code: ACE

SDG NO.: Q3618

Client ID : SSTDCCC0.4

Date Analyzed: 12/01/2025

Lab File ID: BN038230.D

Time Analyzed: 17:51

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	8054	7.768	24560	10.56	13292	14.43
UPPER LIMIT	16108	8.268	49120	11.062	26584	14.93
LOWER LIMIT	4027	7.268	12280	10.062	6646	13.93
EPA SAMPLE NO.						
01 EME-GENERAL-FILLMSD	8233.96	7.76	24781.5	10.56	12691.2	14.43
02 EME-GENERAL-FILL	7300.58	7.77	22523.7	10.56	12083.9	14.43
03 PB170590BS	9117	7.77	25112	10.56	10775	14.43
04 EME-TOP-SOIL	8785	7.77	25117.7	10.56	12271.2	14.43
05 EME-GENERAL-FILLMS	8533.74	7.77	25803.8	10.56	13370.1	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.: Q3618

Client ID: SSTDCCC0.4

Date Analyzed: 12/01/2025

Lab File ID: BN038230.D

Time Analyzed: 17:51

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	21033	17.173	11703	21.366	11756	23.674
UPPER LIMIT	42066	17.673	23406	21.866	23512	24.174
LOWER LIMIT	10516.5	16.673	5851.5	20.866	5878	23.174
EPA SAMPLE NO.						
01 EME-GENERAL-FILLMSD	18483.7	17.17	11818.5	21.37	13435.8	23.67
02 EME-GENERAL-FILL	19151.2	17.17	12383.9	21.37	13233.5	23.67
03 PB170590BS	15967	17.17	14394	21.37	16168	23.67
04 EME-TOP-SOIL	20175.4	17.17	16071	21.37	17397.8	23.67
05 EME-GENERAL-FILLMS	19741.5	17.17	12769.7	21.37	14157.9	23.67

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,
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Report of Analysis

Client:	ENTACT		Date Collected:	11/12/25
Project:	Whittaker Coatings Site – E9125B		Date Received:	11/12/25
Client Sample ID:	EME-TOP-SOIL		SDG No.:	Q3618
Lab Sample ID:	Q3618-01		Matrix:	SOIL
Analytical Method:	SW8270ESIM	Level: LOW	% Solid:	70.3
Sample Wt/Vol:	30.05 g	Final Vol: 1000 uL	Test:	SVOC-SIMGroup1
Prep Method :	sw3541	Prep Date: 11/18/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
TARGETS									
123-91-1	1,4-Dioxane	2.20	U	1	2.20	9.40	ug/Kg	12/01/25 21:29	PB170590
SURROGATES									
7297-45-2	2-Methylnaphthalene-d10	0.24			17 - 161	60%	SPK: 0.4		
93951-69-0	Fluoranthene-d10	0.27			23 - 138	66%	SPK: 0.4		
4165-60-0	Nitrobenzene-d5	0.26			33 - 121	65%	SPK: 0.4		
321-60-8	2-Fluorobiphenyl	0.28			32 - 121	70%	SPK: 0.4		
1718-51-0	Terphenyl-d14	0.24			21 - 130	59%	SPK: 0.4		
INTERNAL STANDARDS		Area Count							
3855-82-1	1,4-Dichlorobenzene-d4	8790							
1146-65-2	Naphthalene-d8	25100							
15067-26-2	Acenaphthene-d10	12300							
1517-22-2	Phenanthrene-d10	20200							
1719-03-5	Chrysene-d12	16100							
1520-96-3	Perylene-d12	17400							

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\BN120125\
 Data File : BN038236.D
 Acq On : 01 Dec 2025 21:29
 Operator : RC/JU
 Sample : Q3618-01
 Misc :
 ALS Vial : 8 Sample Multiplier: 50

Instrument :
 BNA_N
 ClientSampleId :
 EME-TOP-SOIL

Quant Time: Dec 02 01:10:03 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN112725.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Nov 28 21:04:10 2025
 Response via : Initial Calibration

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

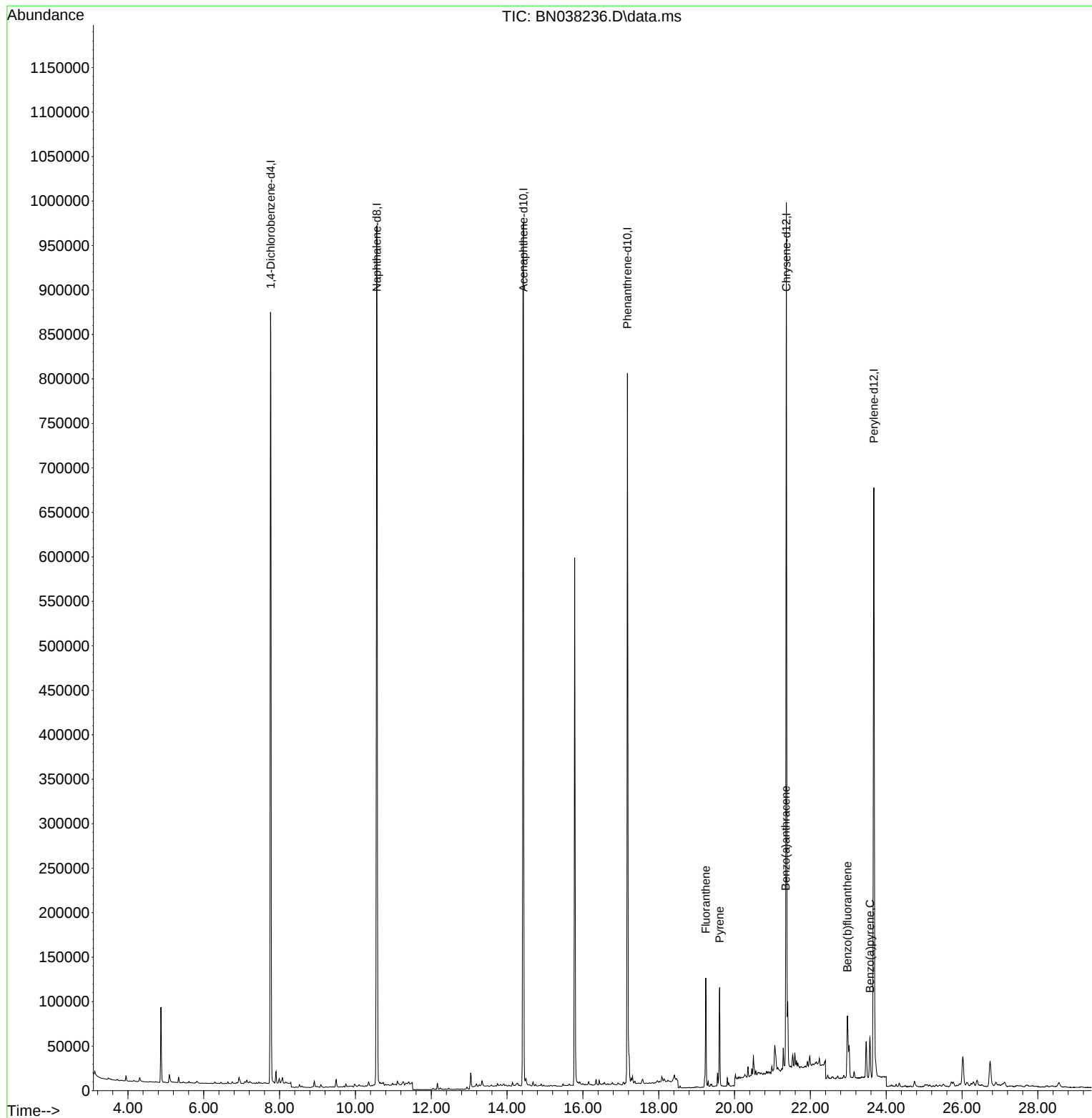
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.768	152	439250	20.000	ng	0.00
7) Naphthalene-d8	10.562	136	1255886	20.000	ng	#-0.01
13) Acenaphthene-d10	14.430	164	613558	20.000	ng	0.00
19) Phenanthrene-d10	17.173	188	1008772	20.000	ng	#-0.01
29) Chrysene-d12	21.366	240	803550	20.000	ng	# 0.00
35) Perylene-d12	23.674	264	869891	20.000	ng	# 0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.341	112	5081	0.247	ng	0.00
5) Phenol-d6	6.930	99	6096	0.238	ng	0.00
8) Nitrobenzene-d5	8.918	82	5234	0.261	ng	0.00
11) 2-Methylnaphthalene-d10	12.161	152	8487	0.238	ng	0.00
14) 2,4,6-Tribromophenol	15.920	330	1232	0.319	ng	-0.01
15) 2-Fluorobiphenyl	13.040	172	13228	0.279	ng	-0.01
27) Fluoranthene-d10	19.211	212	11589	0.265	ng	0.00
31) Terphenyl-d14	19.810	244	8743	0.236	ng	0.00
Target Compounds						Qvalue
6) bis(2-Chloroethyl)ether	7.204	93	3263	0.133	ng	# 24
9) Naphthalene	10.615	128	2272	0.033	ng	# 82
12) 2-Methylnaphthalene	12.238	142	989	0.022	ng	# 74
16) Acenaphthylene	14.142	152	5323	0.097	ng	99
17) Acenaphthene	14.484	154	995	0.026	ng	# 76
18) Fluorene	15.478	166	2653	0.054	ng	84
25) Phenanthrene	17.210	178	33979	0.536	ng	# 95
26) Anthracene	17.310	178	8261	0.153	ng	# 94
28) Fluoranthene	19.243	202	109271	1.790	ng	98
30) Pyrene	19.605	202	99970	1.245	ng	97
32) Benzo(a)anthracene	21.348	228	55241	1.015	ng	96
33) Chrysene	21.402	228	61776	0.962	ng	96
34) Bis(2-ethylhexyl)phtha...	21.286	149	20642	0.693	ng	94
36) Indeno(1,2,3-cd)pyrene	26.019	276	55258	0.686	ng	97
37) Benzo(b)fluoranthene	22.975	252	106361	1.489	ng	# 93
39) Benzo(a)pyrene	23.569	252	62275	1.040	ng	93
40) Dibenzo(a,h)anthracene	26.031	278	12175	0.200	ng	# 67
41) Benzo(g,h,i)perylene	26.741	276	61441	0.844	ng	97

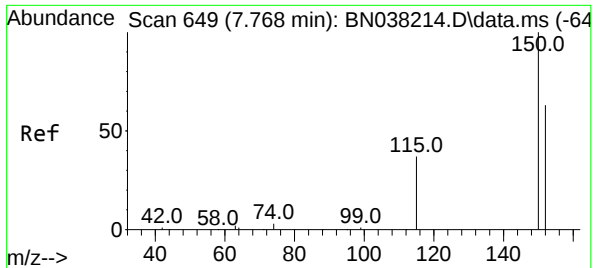
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Data File : BN038236.D
Acq On : 01 Dec 2025 21:29
Operator : RC/JU
Sample : Q3618-01
Misc :
ALS Vial : 8 Sample Multiplier: 50

Instrument :
BNA_N
ClientSampleId :
EME-TOP-SOIL

Quant Time: Dec 02 01:10:03 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN112725.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Nov 28 21:04:10 2025
Response via : Initial Calibration

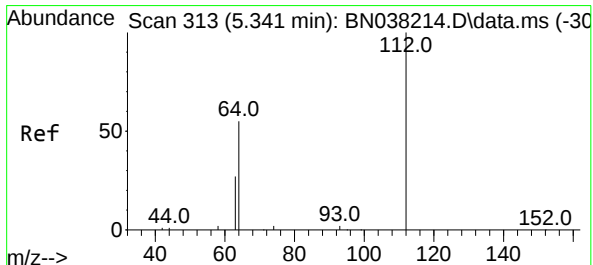
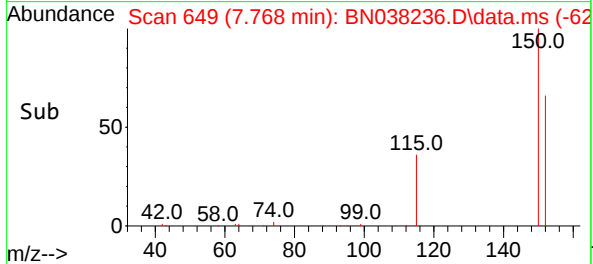
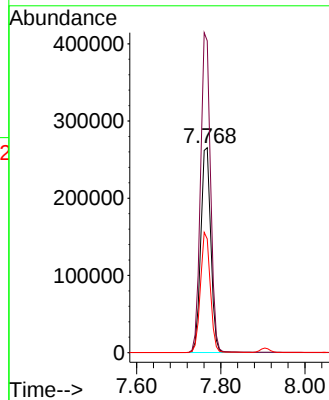
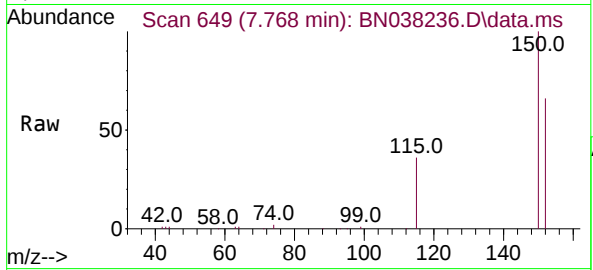




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.768 min Scan# 649
Delta R.T. -0.000 min
Lab File: BN038236.D
Acq: 01 Dec 2025 21:29

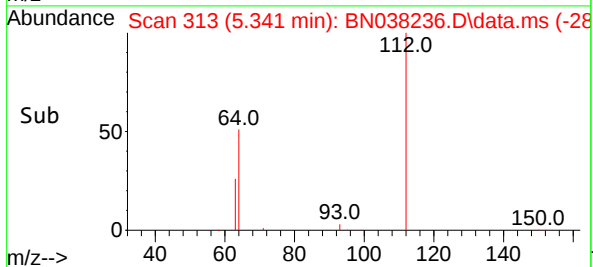
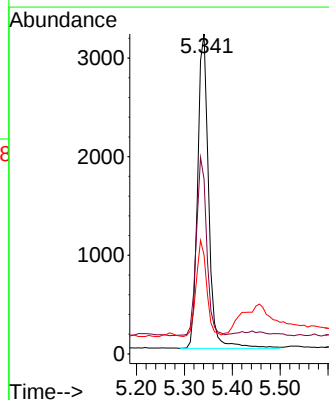
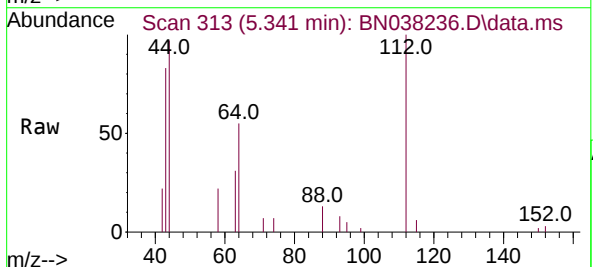
Instrument :
BNA_N
ClientSampleId :
EME-TOP-SOIL

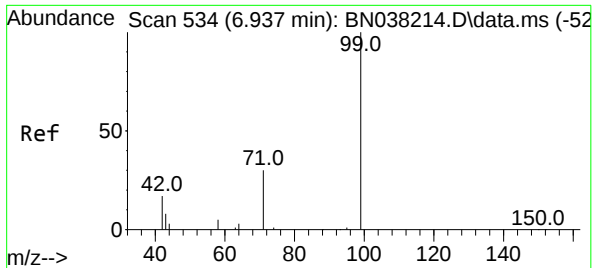
Tgt Ion:152 Resp: 439250
Ion Ratio Lower Upper
152 100
150 152.1 125.3 187.9
115 55.5 49.0 73.4



#4
2-Fluorophenol
Concen: 0.247 ng
RT: 5.341 min Scan# 313
Delta R.T. -0.000 min
Lab File: BN038236.D
Acq: 01 Dec 2025 21:29

Tgt Ion:112 Resp: 5081
Ion Ratio Lower Upper
112 100
64 53.6 45.0 67.4
63 29.2 23.2 34.8

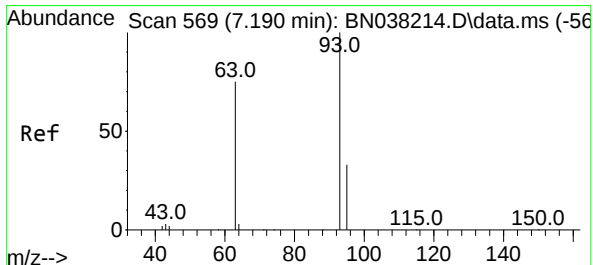
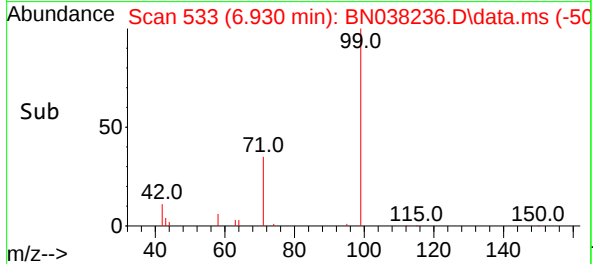
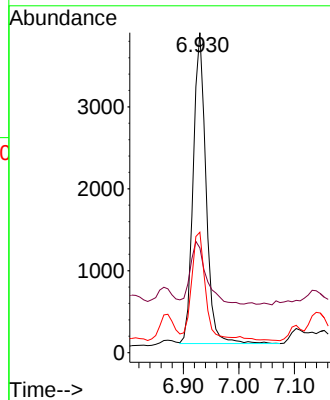
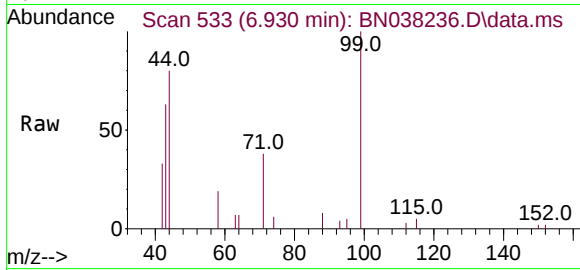




#5
Phenol-d6
Concen: 0.238 ng
RT: 6.930 min Scan# 534
Delta R.T. -0.007 min
Lab File: BN038236.D
Acq: 01 Dec 2025 21:29

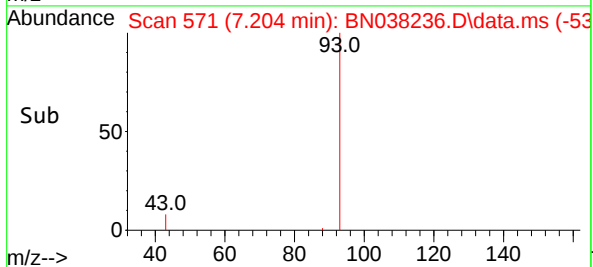
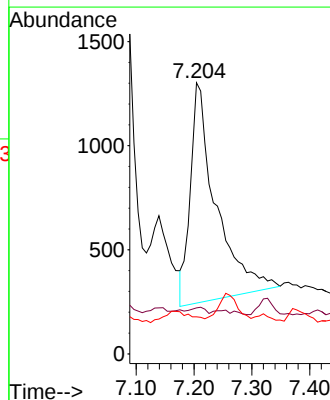
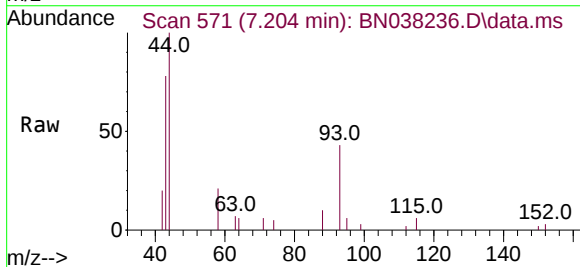
Instrument :
BNA_N
ClientSampleId :
EME-TOP-SOIL

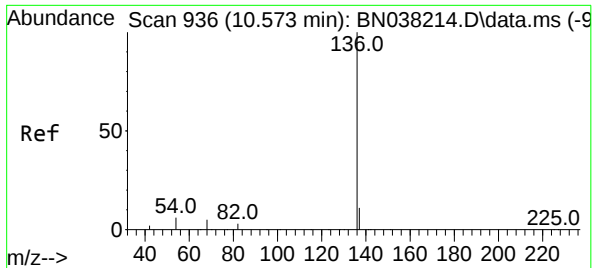
Tgt Ion: 99 Resp: 6096
Ion Ratio Lower Upper
99 100
42 24.9 17.0 25.6
71 35.1 25.4 38.2



#6
bis(2-Chloroethyl)ether
Concen: 0.133 ng
RT: 7.204 min Scan# 571
Delta R.T. 0.014 min
Lab File: BN038236.D
Acq: 01 Dec 2025 21:29

Tgt Ion: 93 Resp: 3263
Ion Ratio Lower Upper
93 100
63 2.1 58.1 87.1#
95 0.0 25.1 37.7#

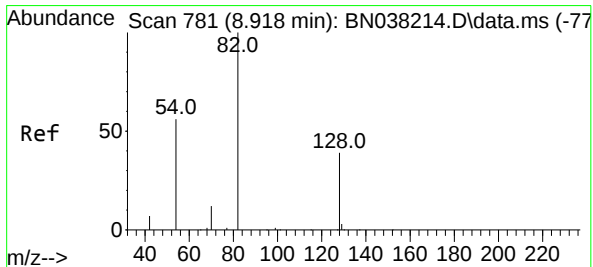
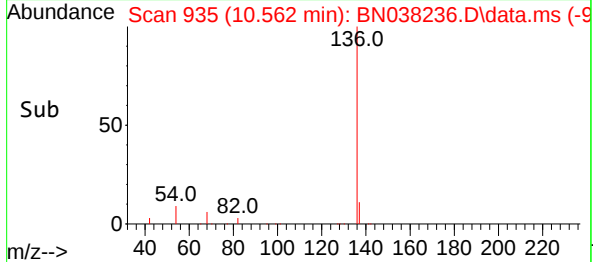
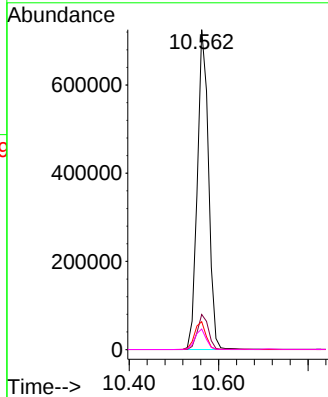
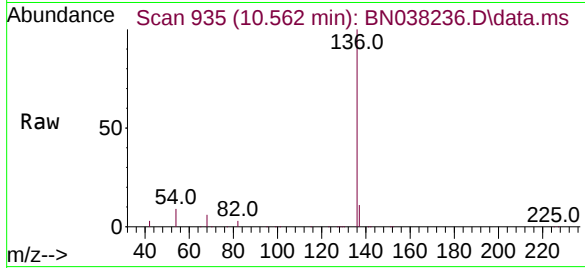




#7
Naphthalene-d8
Concen: 20.000 ng
RT: 10.562 min Scan# 936
Delta R.T. -0.011 min
Lab File: BN038236.D
Acq: 01 Dec 2025 21:29

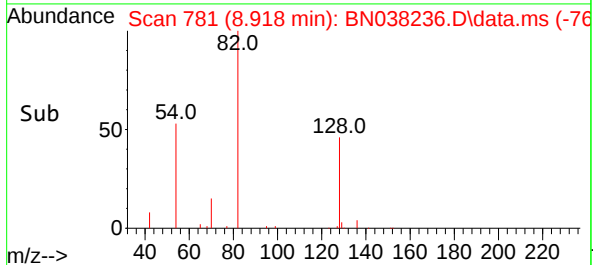
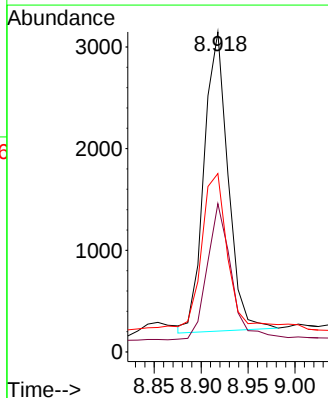
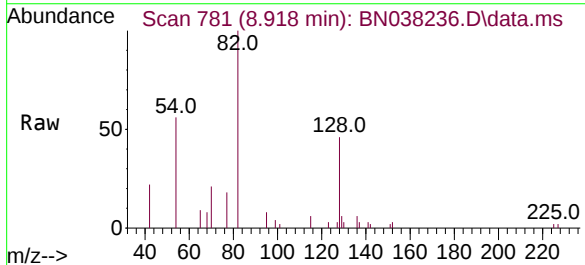
Instrument :
BNA_N
ClientSampleId :
EME-TOP-SOIL

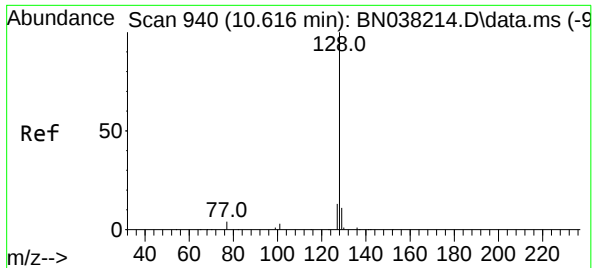
Tgt Ion:136 Resp: 1255886
Ion Ratio Lower Upper
136 100
137 11.0 8.9 13.3
54 8.7 5.4 8.0#
68 6.4 4.1 6.1#



#8
Nitrobenzene-d5
Concen: 0.261 ng
RT: 8.918 min Scan# 781
Delta R.T. -0.000 min
Lab File: BN038236.D
Acq: 01 Dec 2025 21:29

Tgt Ion: 82 Resp: 5234
Ion Ratio Lower Upper
82 100
128 46.3 32.6 48.8
54 55.7 45.4 68.0

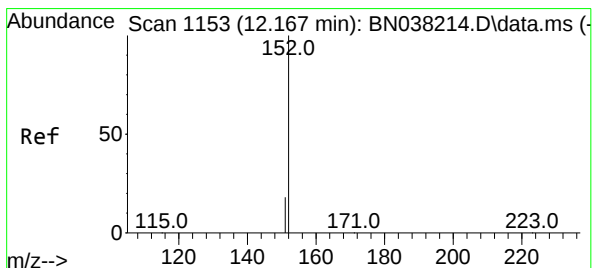
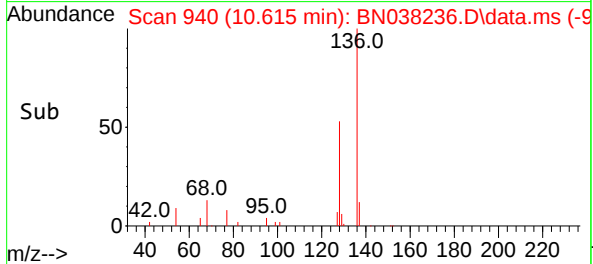
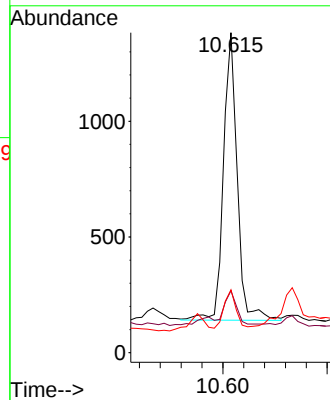
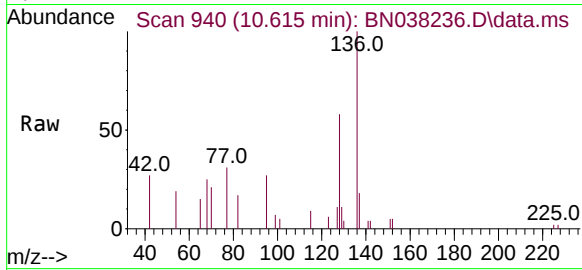




#9
Naphthalene
Concen: 0.033 ng
RT: 10.615 min Scan# 94
Delta R.T. -0.000 min
Lab File: BN038236.D
Acq: 01 Dec 2025 21:29

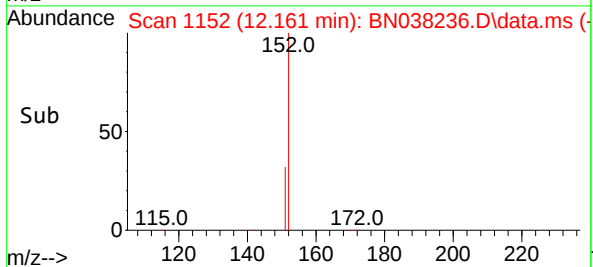
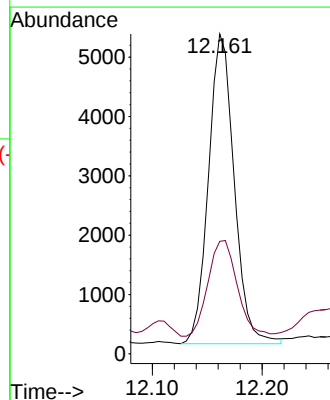
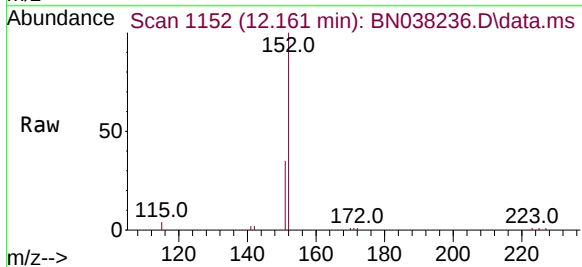
Instrument :
BNA_N
ClientSampleId :
EME-TOP-SOIL

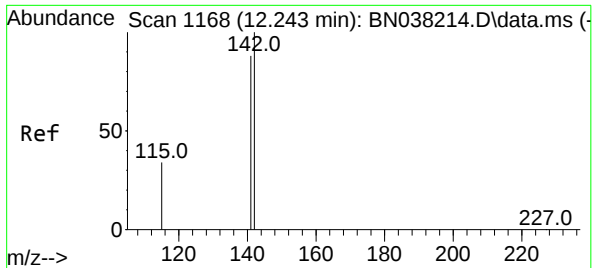
Tgt Ion:128 Resp: 2272
Ion Ratio Lower Upper
128 100
129 19.4 9.1 13.7#
127 19.7 10.6 16.0#



#11
2-Methylnaphthalene-d10
Concen: 0.238 ng
RT: 12.161 min Scan# 1152
Delta R.T. -0.005 min
Lab File: BN038236.D
Acq: 01 Dec 2025 21:29

Tgt Ion:152 Resp: 8487
Ion Ratio Lower Upper
152 100
151 34.9 16.7 25.1#





#12

2-Methylnaphthalene

Concen: 0.022 ng

RT: 12.238 min Scan# 1167

Delta R.T. -0.005 min

Lab File: BN038236.D

Acq: 01 Dec 2025 21:29

Instrument :

BNA_N

ClientSampleId :

EME-TOP-SOIL

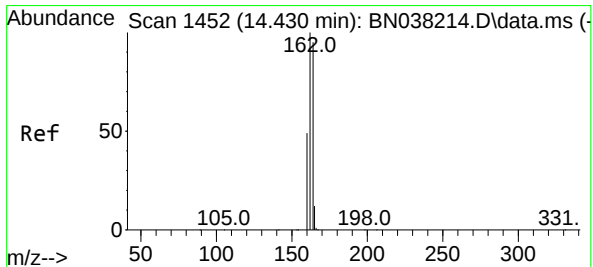
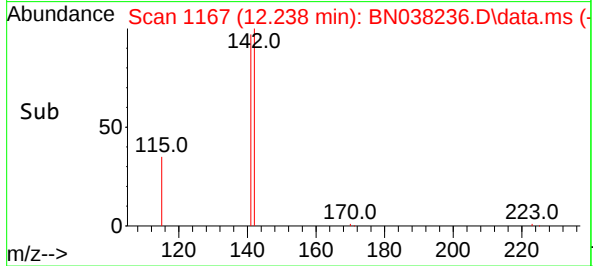
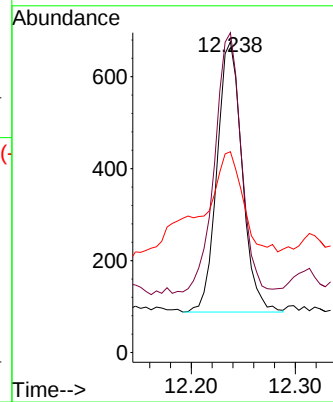
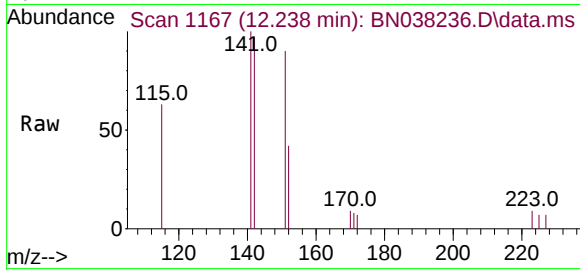
Tgt Ion:142 Resp: 989

Ion Ratio Lower Upper

142 100

141 103.0 70.9 106.3

115 64.6 27.7 41.5#



#13

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.430 min Scan# 1452

Delta R.T. -0.000 min

Lab File: BN038236.D

Acq: 01 Dec 2025 21:29

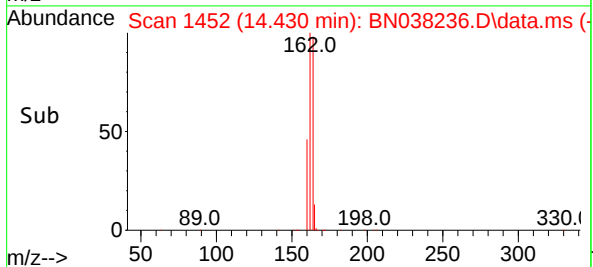
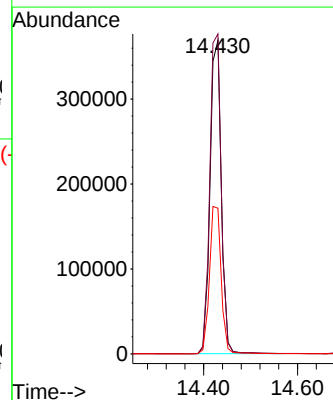
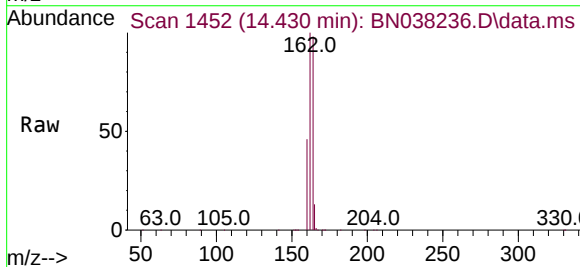
Tgt Ion:164 Resp: 613558

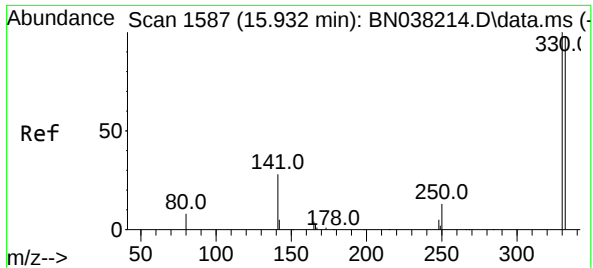
Ion Ratio Lower Upper

164 100

162 102.1 83.8 125.8

160 46.5 41.6 62.4

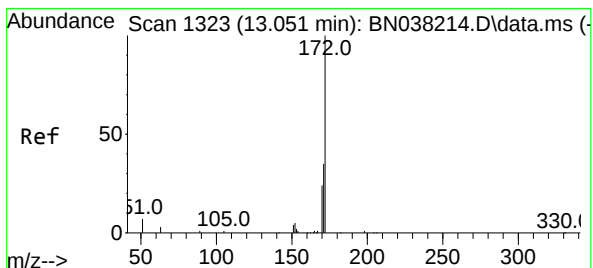
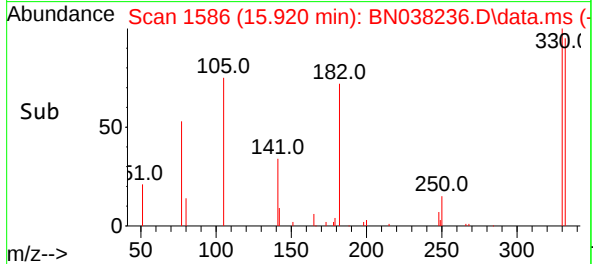
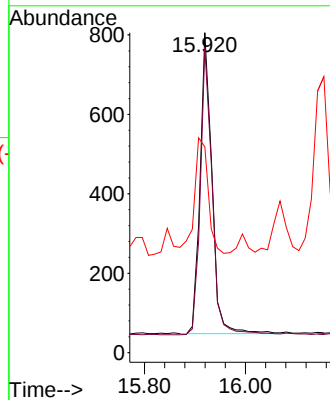
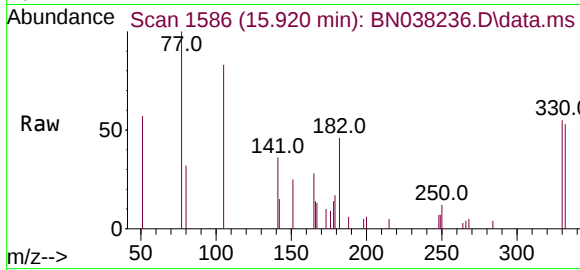




#14
2,4,6-Tribromophenol
Concen: 0.319 ng
RT: 15.920 min Scan# 1586
Delta R.T. -0.012 min
Lab File: BN038236.D
Acq: 01 Dec 2025 21:29

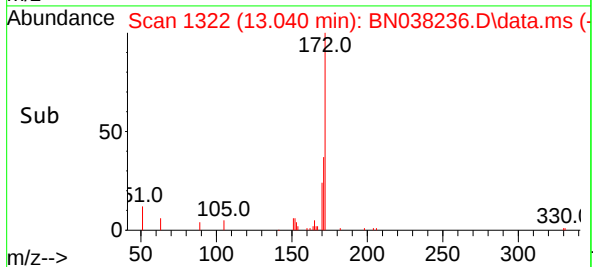
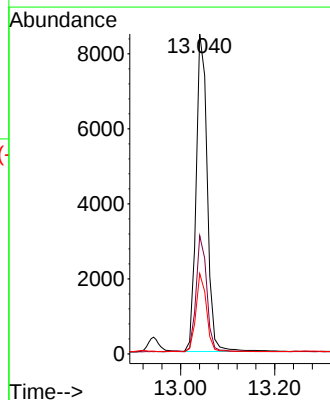
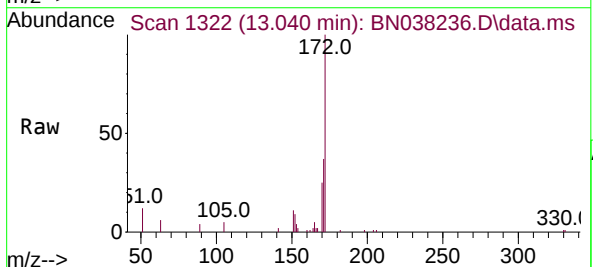
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BNA_N
ClientSampleId :
EME-TOP-SOIL

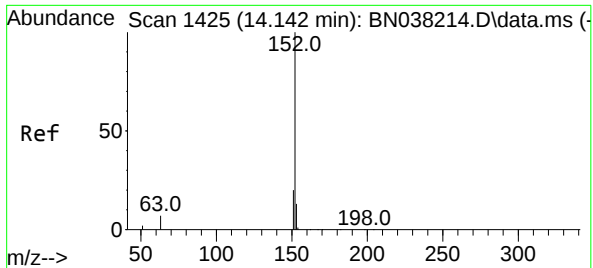
Tgt Ion:330 Resp: 1232
Ion Ratio Lower Upper
330 100
332 95.1 77.8 116.6
141 43.9 33.0 49.4



#15
2-Fluorobiphenyl
Concen: 0.279 ng
RT: 13.040 min Scan# 1322
Delta R.T. -0.011 min
Lab File: BN038236.D
Acq: 01 Dec 2025 21:29

Tgt Ion:172 Resp: 13228
Ion Ratio Lower Upper
172 100
171 36.9 28.1 42.1
170 25.1 19.1 28.7

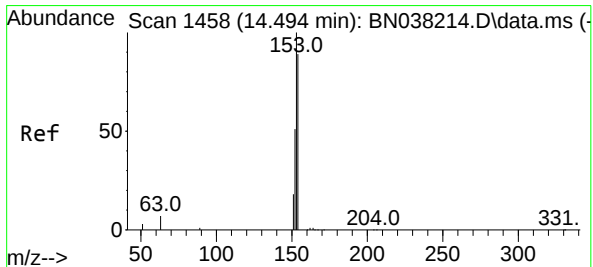
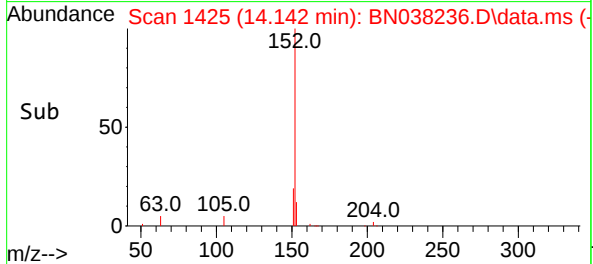
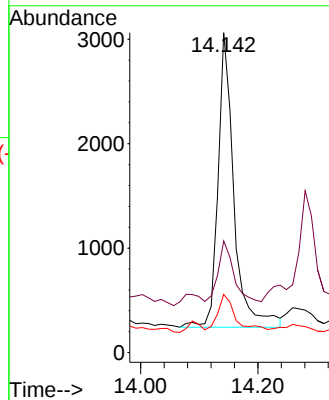
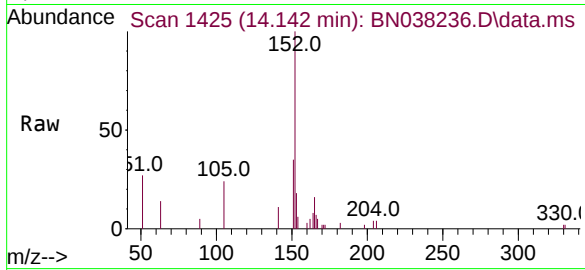




#16
Acenaphthylene
Concen: 0.097 ng
RT: 14.142 min Scan# 1425
Delta R.T. -0.000 min
Lab File: BN038236.D
Acq: 01 Dec 2025 21:29

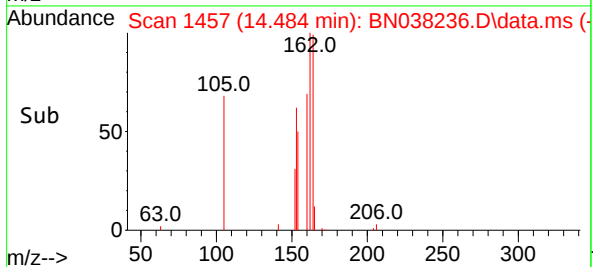
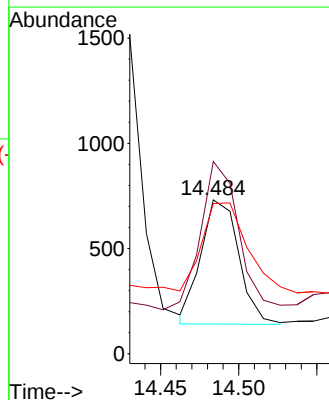
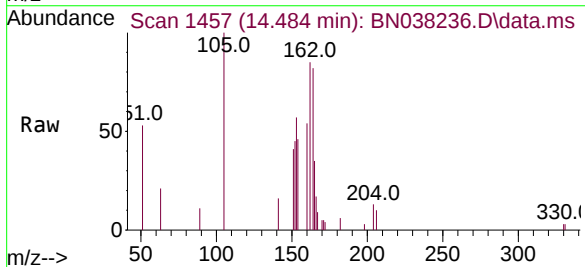
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EME-TOP-SOIL

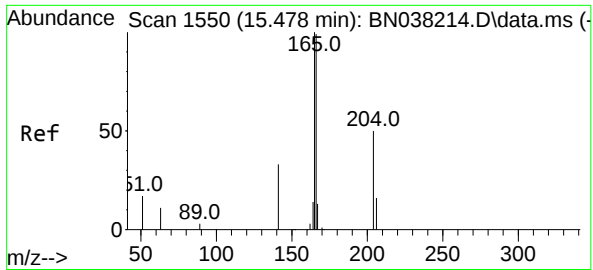
Tgt Ion:152	Resp:	5323
Ion Ratio	Lower	Upper
152	100	
151	19.3	15.6 23.4
153	14.3	10.6 15.8



#17
Acenaphthene
Concen: 0.026 ng
RT: 14.484 min Scan# 1457
Delta R.T. -0.011 min
Lab File: BN038236.D
Acq: 01 Dec 2025 21:29

Tgt Ion:154	Resp:	995
Ion Ratio	Lower	Upper
154	100	
153	120.8	91.1 136.7
152	104.0	48.2 72.2

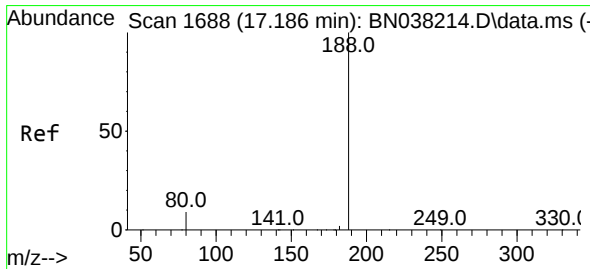
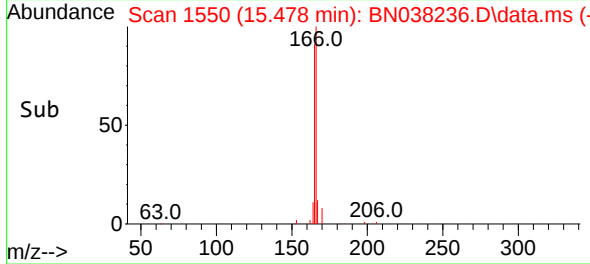
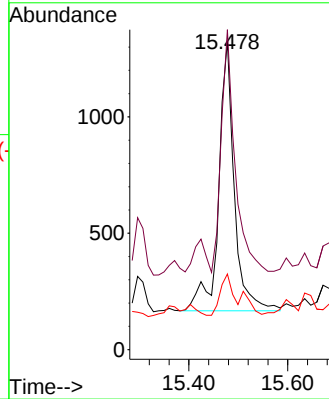
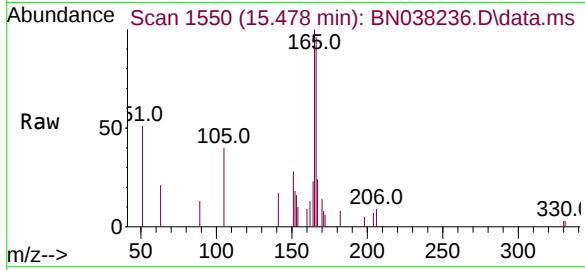




#18
Fluorene
Concen: 0.054 ng
RT: 15.478 min Scan# 1550
Delta R.T. -0.000 min
Lab File: BN038236.D
Acq: 01 Dec 2025 21:29

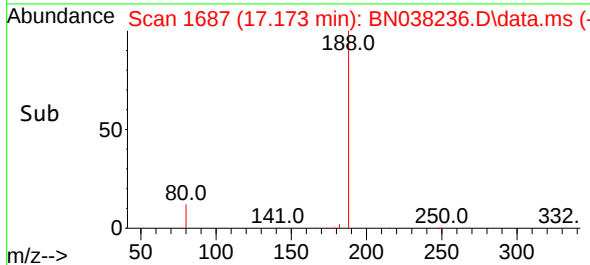
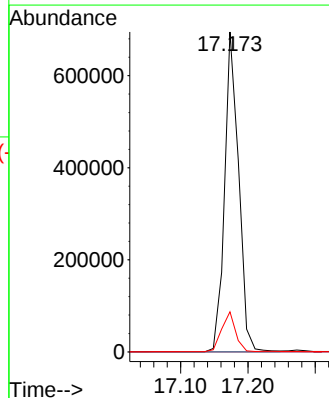
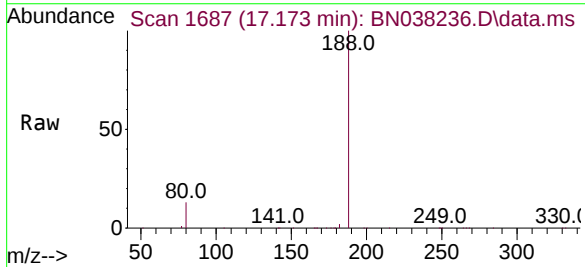
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EME-TOP-SOIL

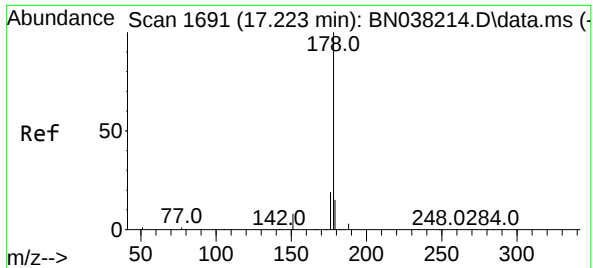
Tgt Ion:166 Resp: 2653
Ion Ratio Lower Upper
166 100
165 80.7 78.7 118.1
167 11.8 10.9 16.3



#19
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.173 min Scan# 1687
Delta R.T. -0.012 min
Lab File: BN038236.D
Acq: 01 Dec 2025 21:29

Tgt Ion:188 Resp: 1008772
Ion Ratio Lower Upper
188 100
94 0.0 0.0 0.0
80 12.5 7.7 11.5#

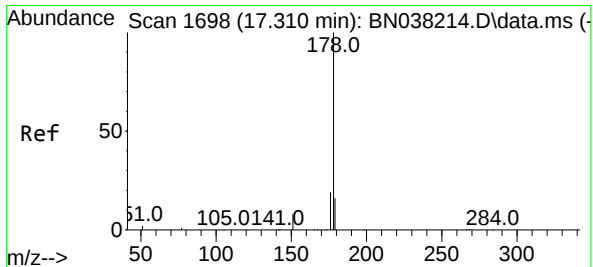
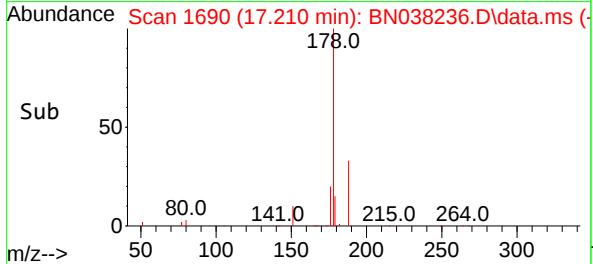
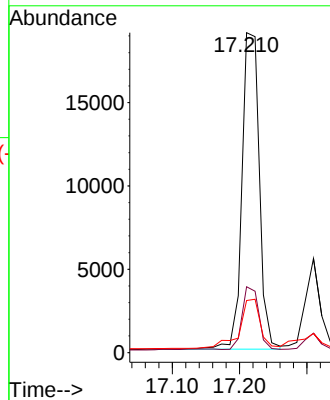
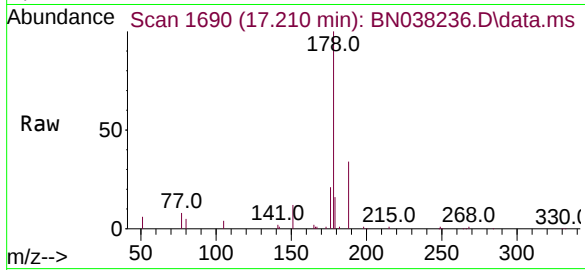




#25
Phenanthrene
Concen: 0.536 ng
RT: 17.210 min Scan# 1690
Delta R.T. -0.012 min
Lab File: BN038236.D
Acq: 01 Dec 2025 21:29

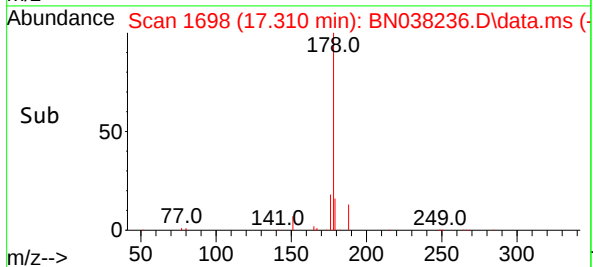
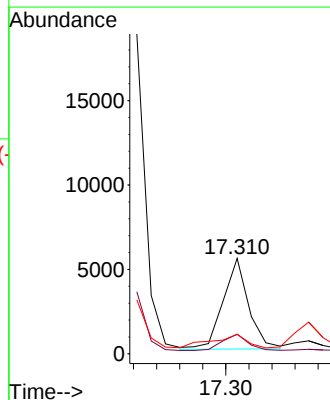
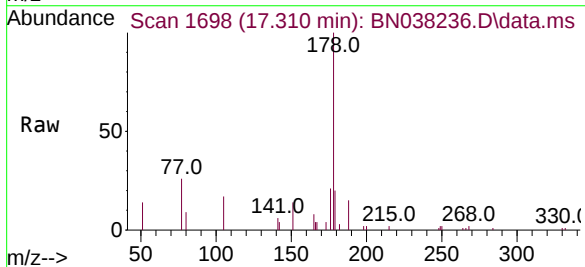
Instrument :
BNA_N
ClientSampleId :
EME-TOP-SOIL

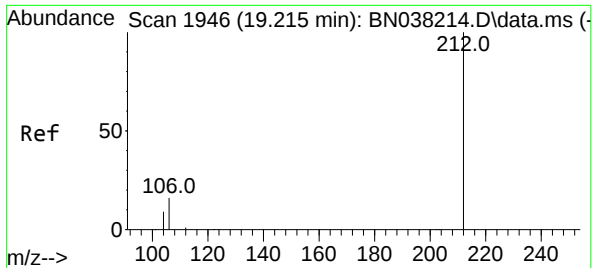
Tgt Ion:178 Resp: 33979
Ion Ratio Lower Upper
178 100
176 18.8 15.3 22.9
179 19.4 12.0 18.0#



#26
Anthracene
Concen: 0.153 ng
RT: 17.310 min Scan# 1698
Delta R.T. -0.000 min
Lab File: BN038236.D
Acq: 01 Dec 2025 21:29

Tgt Ion:178 Resp: 8261
Ion Ratio Lower Upper
178 100
176 17.9 14.7 22.1
179 20.4 12.3 18.5#





#27

Fluoranthene-d10

Concen: 0.265 ng

RT: 19.211 min Scan# 1945

Delta R.T. -0.005 min

Lab File: BN038236.D

Acq: 01 Dec 2025 21:29

Instrument :

BNA_N

ClientSampleId :

EME-TOP-SOIL

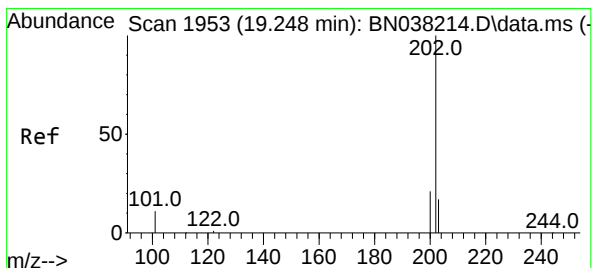
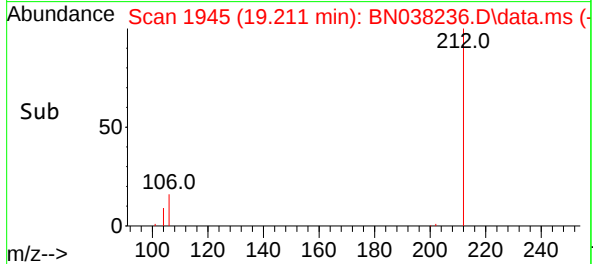
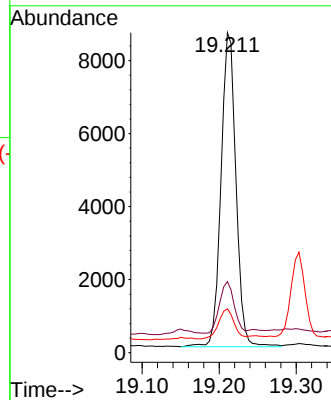
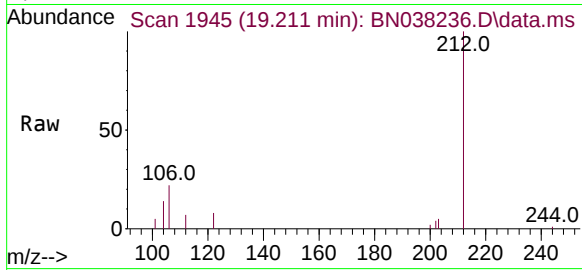
Tgt Ion:212 Resp: 11589

Ion Ratio Lower Upper

212 100

106 16.3 12.7 19.1

104 9.8 7.3 10.9



#28

Fluoranthene

Concen: 1.790 ng

RT: 19.243 min Scan# 1952

Delta R.T. -0.005 min

Lab File: BN038236.D

Acq: 01 Dec 2025 21:29

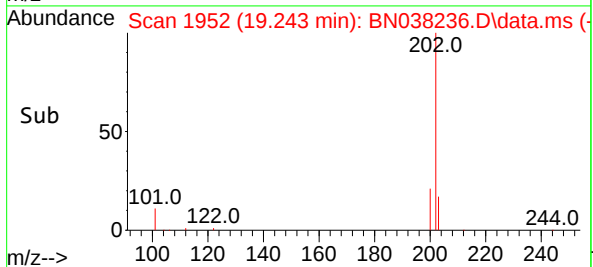
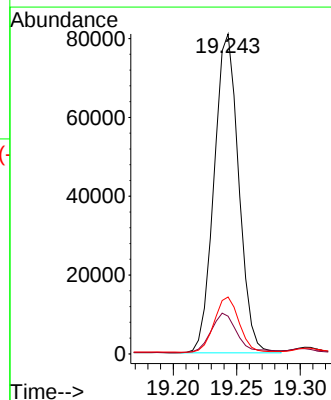
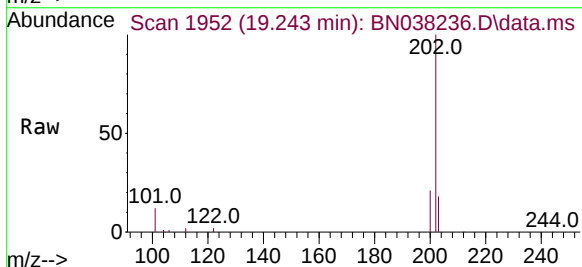
Tgt Ion:202 Resp: 109271

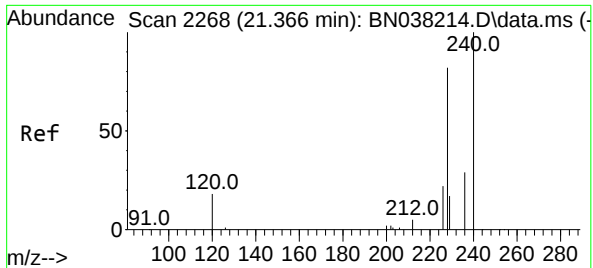
Ion Ratio Lower Upper

202 100

101 13.3 9.8 14.6

203 17.3 13.6 20.4





#29

Chrysene-d12

Concen: 20.000 ng

RT: 21.366 min Scan# 21

Delta R.T. -0.000 min

Lab File: BN038236.D

Acq: 01 Dec 2025 21:29

Instrument :

BNA_N

ClientSampleId :

EME-TOP-SOIL

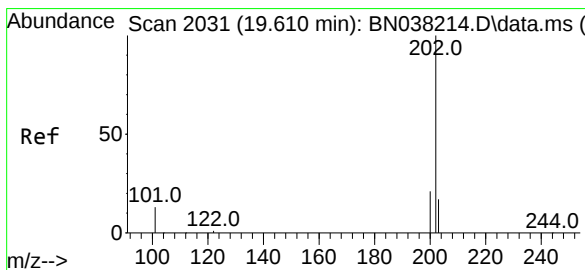
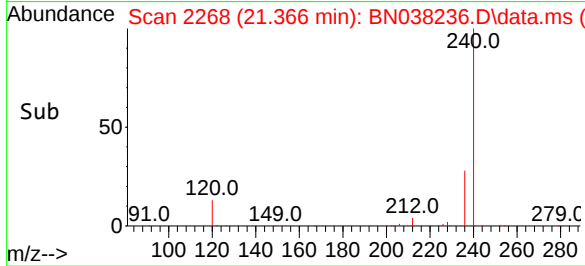
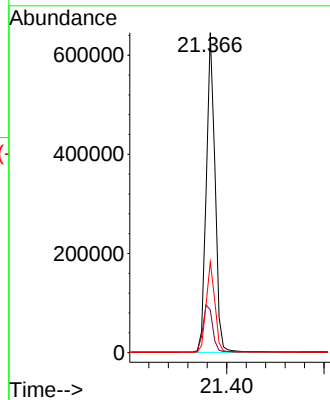
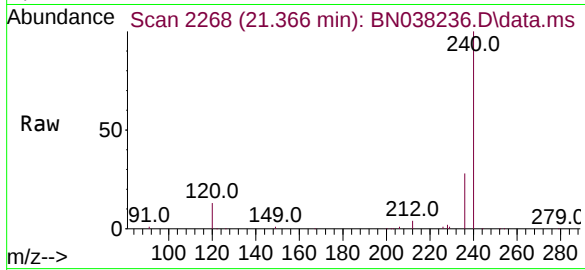
Tgt Ion:240 Resp: 803550

Ion Ratio Lower Upper

240 100

120 13.4 18.1 27.1#

236 28.3 24.2 36.4



#30

Pyrene

Concen: 1.245 ng

RT: 19.605 min Scan# 2030

Delta R.T. -0.005 min

Lab File: BN038236.D

Acq: 01 Dec 2025 21:29

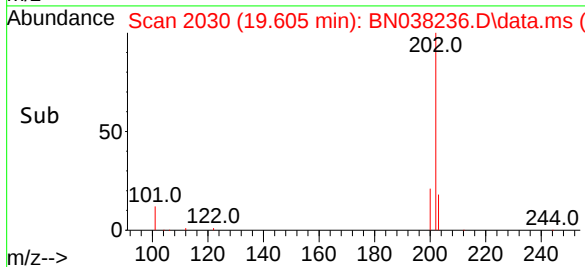
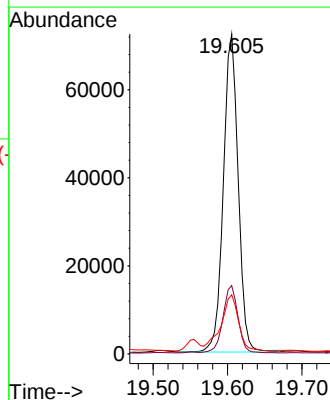
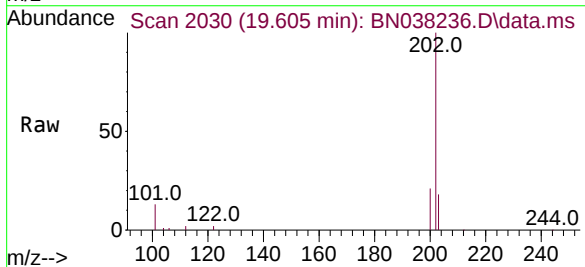
Tgt Ion:202 Resp: 99970

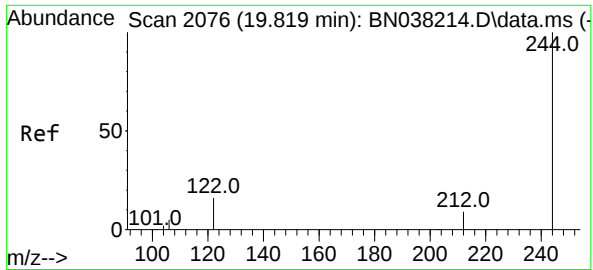
Ion Ratio Lower Upper

202 100

200 21.3 16.8 25.2

203 20.8 14.4 21.6

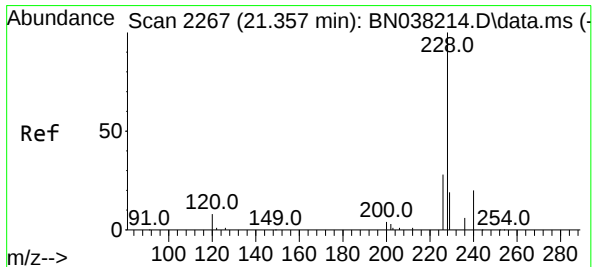
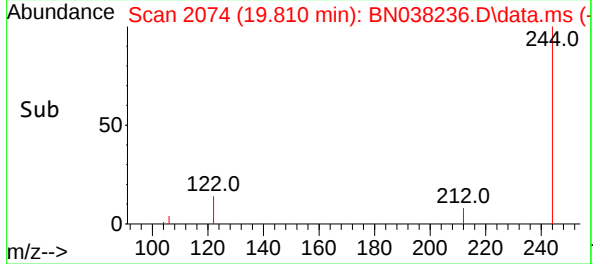
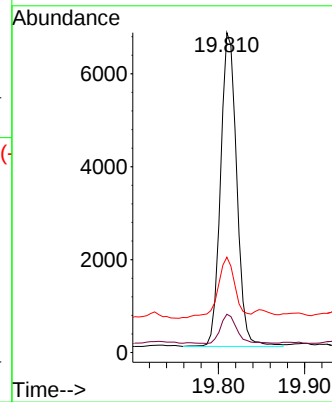
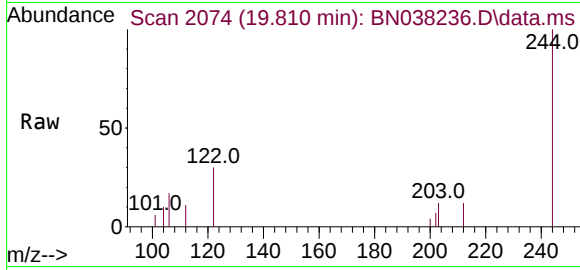




#31
Terphenyl-d14
Concen: 0.236 ng
RT: 19.810 min Scan# 2076
Delta R.T. -0.009 min
Lab File: BN038236.D
Acq: 01 Dec 2025 21:29

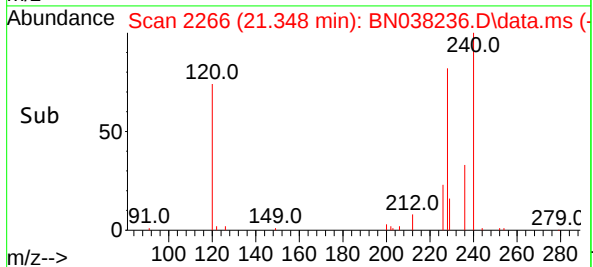
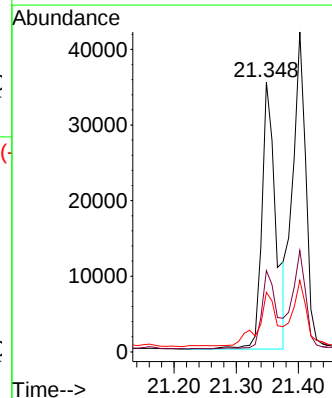
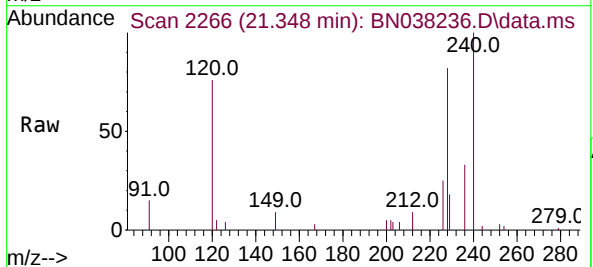
Instrument :
BNA_N
ClientSampleId :
EME-TOP-SOIL

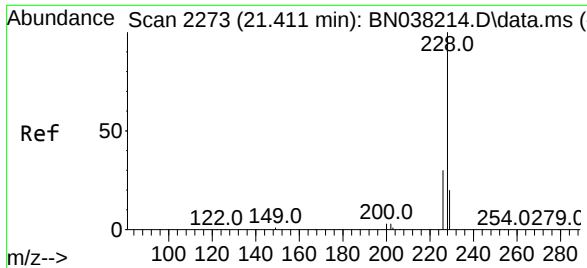
Tgt Ion:244 Resp: 8743
Ion Ratio Lower Upper
244 100
212 12.0 7.7 11.5#
122 29.8 13.6 20.4#



#32
Benzo(a)anthracene
Concen: 1.015 ng
RT: 21.348 min Scan# 2266
Delta R.T. -0.009 min
Lab File: BN038236.D
Acq: 01 Dec 2025 21:29

Tgt Ion:228 Resp: 55241
Ion Ratio Lower Upper
228 100
226 30.1 22.6 33.8
229 22.1 15.8 23.8





#33

Chrysene

Concen: 0.962 ng

RT: 21.402 min Scan# 21

Delta R.T. -0.009 min

Lab File: BN038236.D

Acq: 01 Dec 2025 21:29

Instrument :

BNA_N

ClientSampleId :

EME-TOP-SOIL

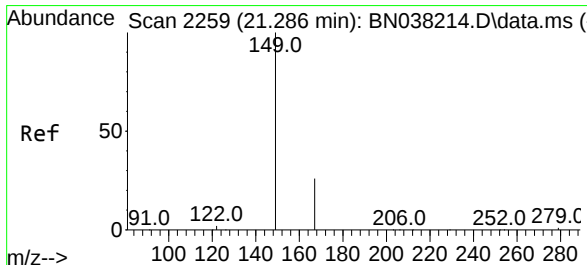
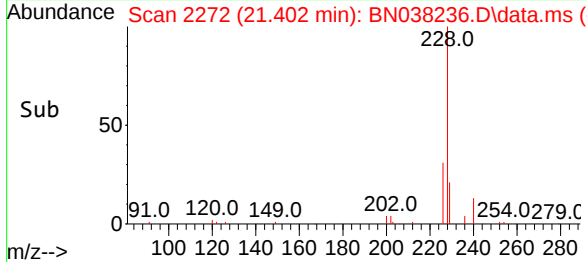
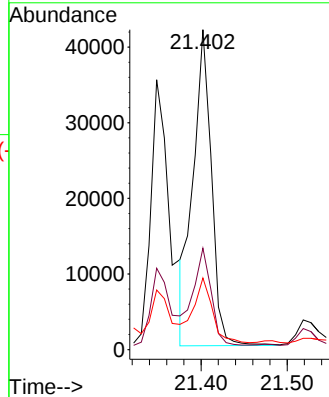
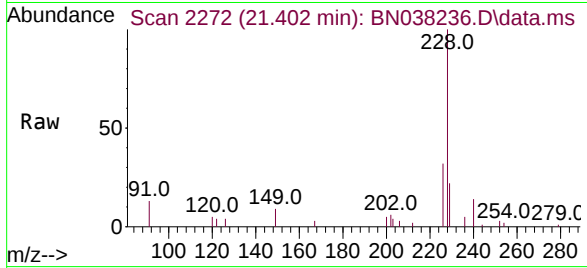
Tgt Ion:228 Resp: 61776

Ion Ratio Lower Upper

228 100

226 31.7 23.8 35.8

229 22.4 16.1 24.1



#34

Bis(2-ethylhexyl)phthalate

Concen: 0.693 ng

RT: 21.286 min Scan# 2259

Delta R.T. -0.000 min

Lab File: BN038236.D

Acq: 01 Dec 2025 21:29

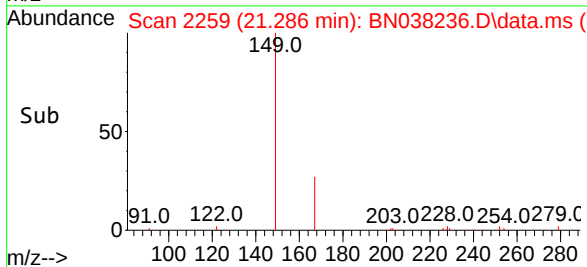
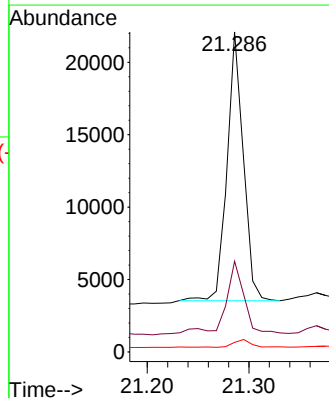
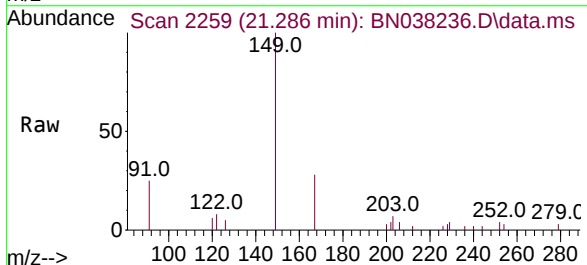
Tgt Ion:149 Resp: 20642

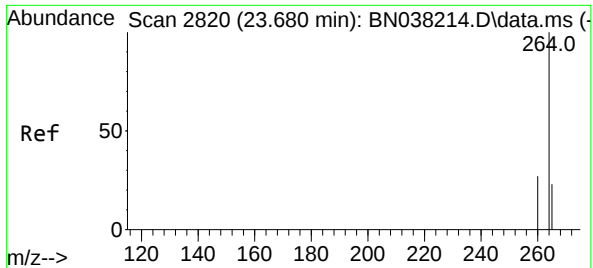
Ion Ratio Lower Upper

149 100

167 29.2 20.7 31.1

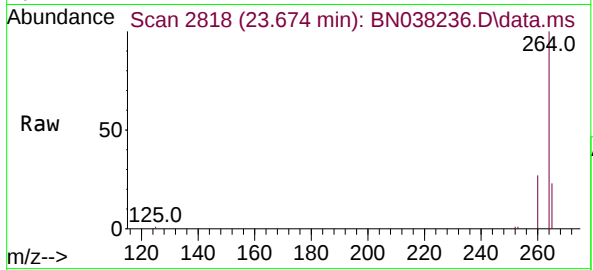
279 3.1 2.5 3.7



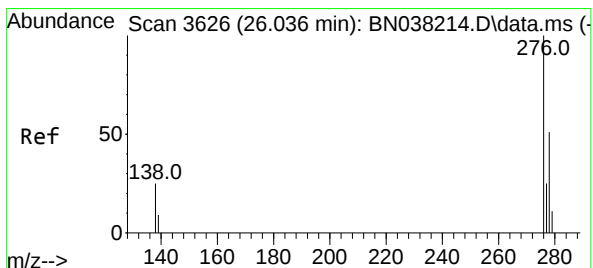
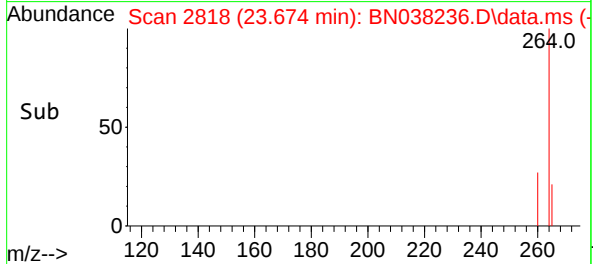
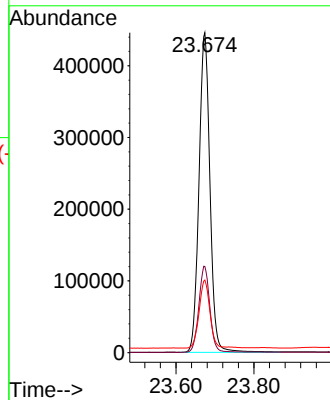


#35
Perylene-d12
Concen: 20.000 ng
RT: 23.674 min Scan# 2818
Delta R.T. -0.006 min
Lab File: BN038236.D
Acq: 01 Dec 2025 21:29

Instrument :
BNA_N
ClientSampleId :
EME-TOP-SOIL

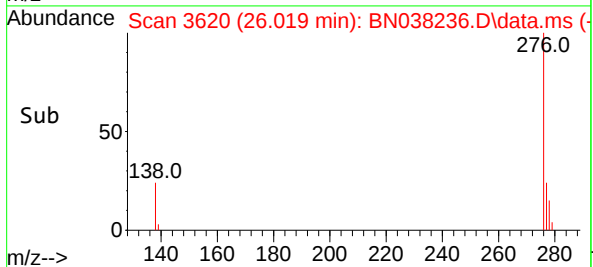
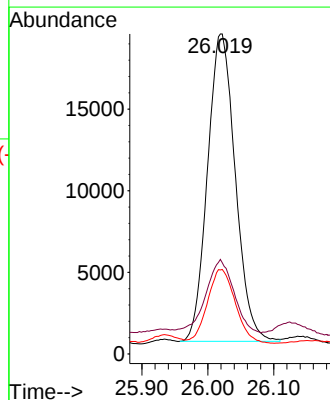
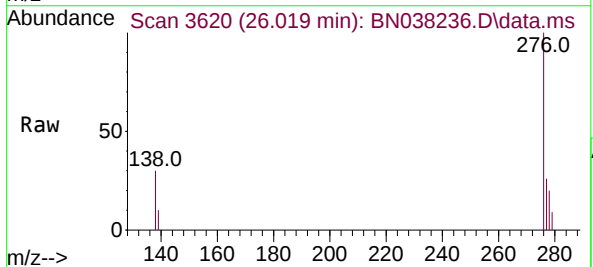


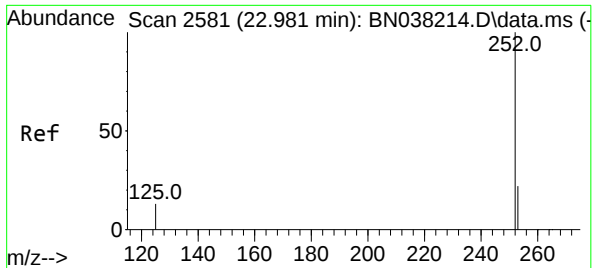
Tgt Ion:264 Resp: 869891
Ion Ratio Lower Upper
264 100
260 26.9 21.7 32.5
265 22.7 98.0 147.0#



#36
Indeno(1,2,3-cd)pyrene
Concen: 0.686 ng
RT: 26.019 min Scan# 3620
Delta R.T. -0.018 min
Lab File: BN038236.D
Acq: 01 Dec 2025 21:29

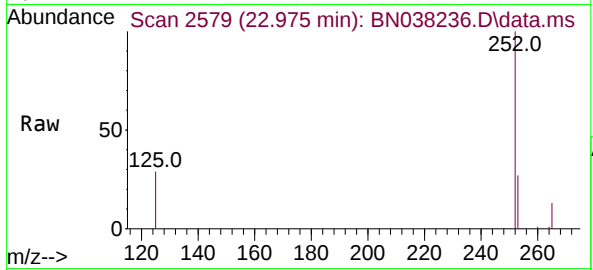
Tgt Ion:276 Resp: 55258
Ion Ratio Lower Upper
276 100
138 23.7 21.4 32.2
277 24.2 19.1 28.7



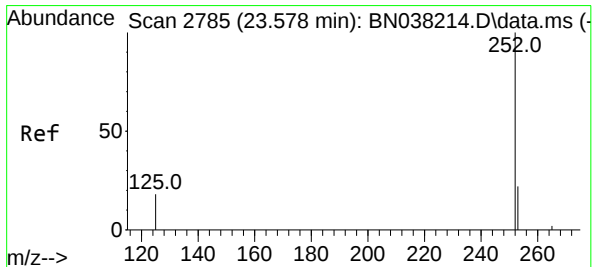
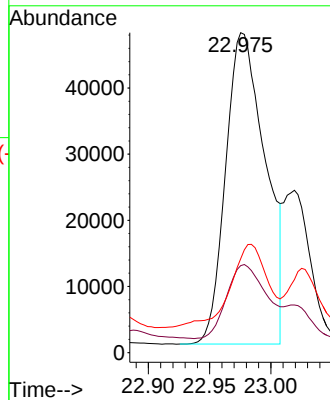
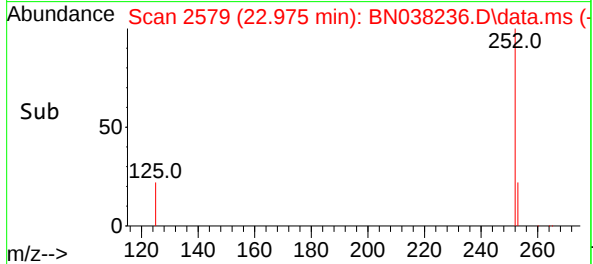


#37
Benzo(b)fluoranthene
Concen: 1.489 ng
RT: 22.975 min Scan# 21
Delta R.T. -0.006 min
Lab File: BN038236.D
Acq: 01 Dec 2025 21:29

Instrument :
BNA_N
ClientSampleId :
EME-TOP-SOIL

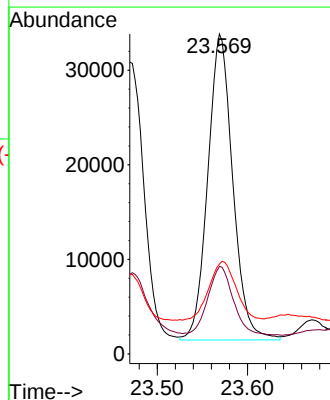
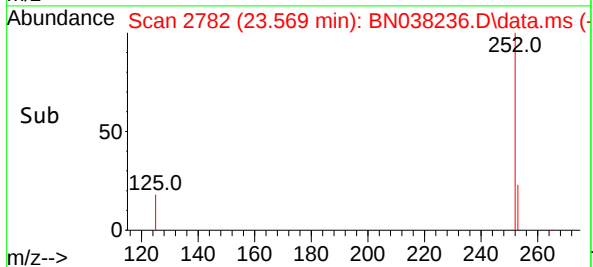
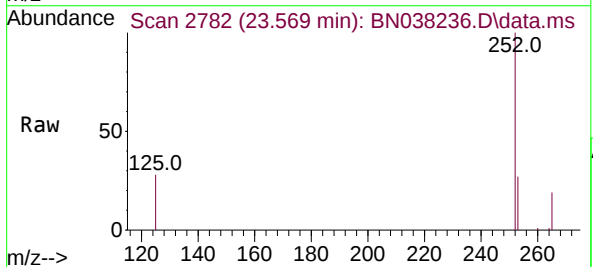


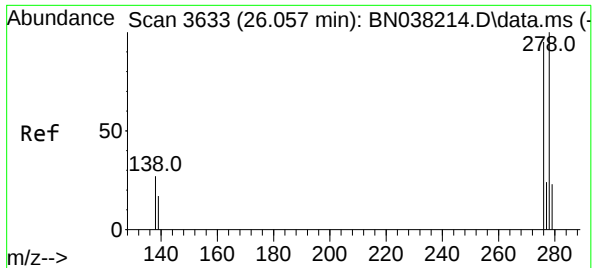
Tgt Ion:252 Resp: 106361
Ion Ratio Lower Upper
252 100
253 27.2 22.2 33.4
125 29.3 18.0 27.0#



#39
Benzo(a)pyrene
Concen: 1.040 ng
RT: 23.569 min Scan# 2782
Delta R.T. -0.009 min
Lab File: BN038236.D
Acq: 01 Dec 2025 21:29

Tgt Ion:252 Resp: 62275
Ion Ratio Lower Upper
252 100
253 27.3 25.3 37.9
125 28.1 25.2 37.8

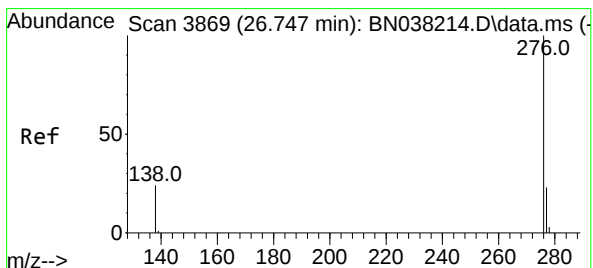
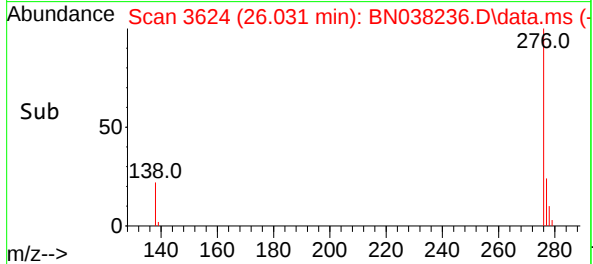
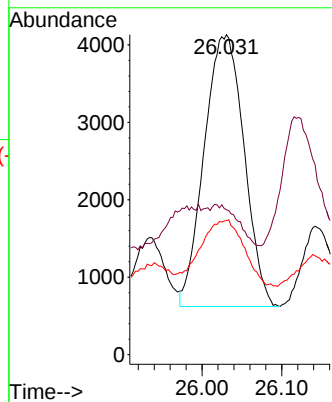
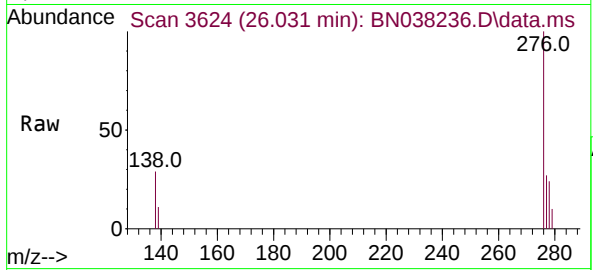




#40
Dibenzo(a,h)anthracene
Concen: 0.200 ng
RT: 26.031 min Scan# 3624
Delta R.T. -0.026 min
Lab File: BN038236.D
Acq: 01 Dec 2025 21:29

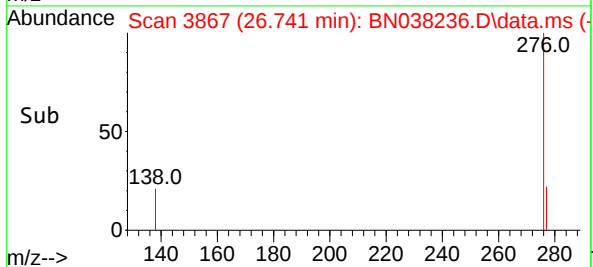
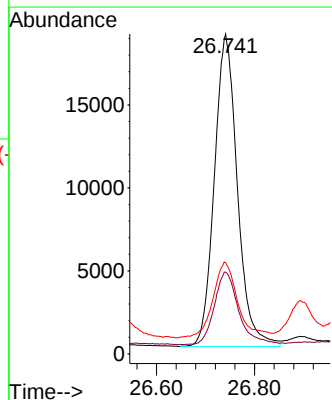
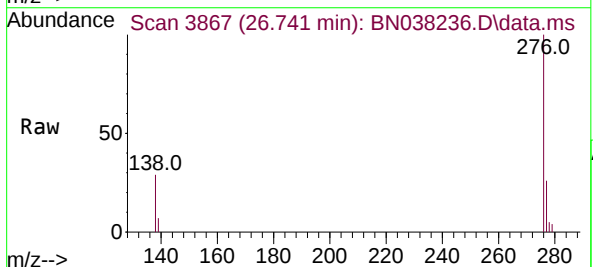
Instrument :
BNA_N
ClientSampleId :
EME-TOP-SOIL

Tgt Ion:278 Resp: 12175
Ion Ratio Lower Upper
278 100
139 45.3 17.6 26.4#
279 41.9 24.2 36.4#



#41
Benzo(g,h,i)perylene
Concen: 0.844 ng
RT: 26.741 min Scan# 3867
Delta R.T. -0.006 min
Lab File: BN038236.D
Acq: 01 Dec 2025 21:29

Tgt Ion:276 Resp: 61441
Ion Ratio Lower Upper
276 100
277 25.6 20.2 30.2
138 28.5 20.8 31.2





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

Report of Analysis

Client:	ENTACT		Date Collected:	11/12/25
Project:	Whittaker Coatings Site – E9125B		Date Received:	11/12/25
Client Sample ID:	EME-GENERAL-FILL		SDG No.:	Q3618
Lab Sample ID:	Q3618-02		Matrix:	SOIL
Analytical Method:	SW8270ESIM	Level: LOW	% Solid:	88.2
Sample Wt/Vol:	30.07 g	Final Vol: 1000 uL	Test:	SVOC-SIMGroup1
Prep Method :	sw3541	Prep Date: 11/18/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
TARGETS									
123-91-1	1,4-Dioxane	1.80	U	1	1.80	7.50	ug/Kg	12/01/25 19:40	PB170590
SURROGATES									
7297-45-2	2-Methylnaphthalene-d10	0.35			17 - 161	86%	SPK: 0.4		
93951-69-0	Fluoranthene-d10	0.37			23 - 138	93%	SPK: 0.4		
4165-60-0	Nitrobenzene-d5	0.37			33 - 121	92%	SPK: 0.4		
321-60-8	2-Fluorobiphenyl	0.39			32 - 121	98%	SPK: 0.4		
1718-51-0	Terphenyl-d14	0.40			21 - 130	101%	SPK: 0.4		
INTERNAL STANDARDS		Area Count							
3855-82-1	1,4-Dichlorobenzene-d4	7300							
1146-65-2	Naphthalene-d8	22500							
15067-26-2	Acenaphthene-d10	12100							
1517-22-2	Phenanthrene-d10	19200							
1719-03-5	Chrysene-d12	12400							
1520-96-3	Perylene-d12	13200							

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\BN120125\
 Data File : BN038233.D
 Acq On : 01 Dec 2025 19:40
 Operator : RC/JU
 Sample : Q3618-02
 Misc :
 ALS Vial : 5 Sample Multiplier: 50

Instrument :
 BNA_N
 ClientSampleId :
 EME-GENERAL-FILL

Quant Time: Dec 02 01:09:19 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN112725.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Nov 28 21:04:10 2025
 Response via : Initial Calibration

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

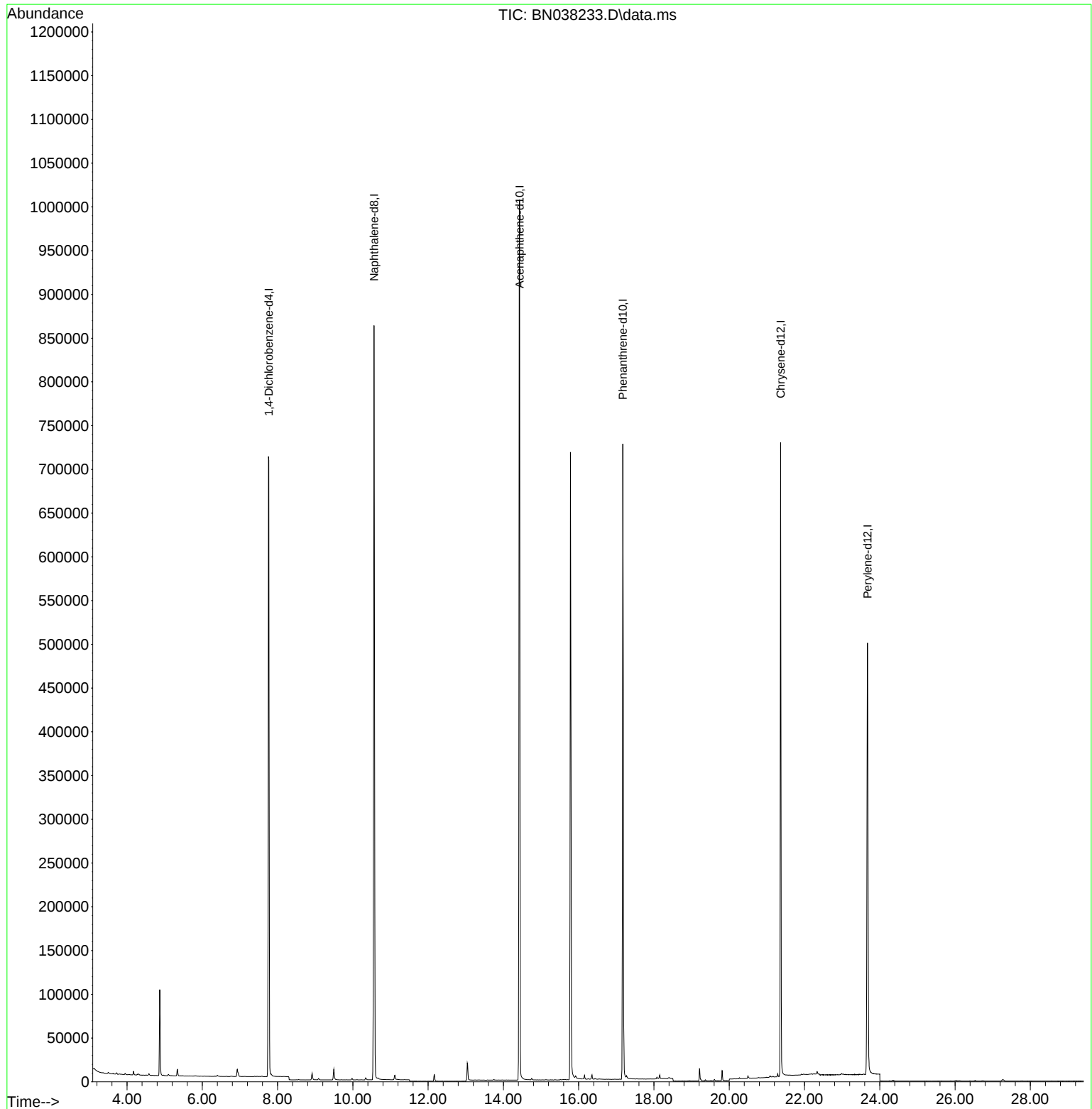
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.768	152	365029	20.000	ng	0.00
7) Naphthalene-d8	10.562	136	1126186	20.000	ng	#-0.01
13) Acenaphthene-d10	14.430	164	604193	20.000	ng	0.00
19) Phenanthrene-d10	17.173	188	957558	20.000	ng	#-0.01
29) Chrysene-d12	21.366	240	619195	20.000	ng	# 0.00
35) Perylene-d12	23.674	264	661677	20.000	ng	# 0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.341	112	6428	0.377	ng	0.00
5) Phenol-d6	6.930	99	7934	0.372	ng	0.00
8) Nitrobenzene-d5	8.918	82	6640	0.369	ng	0.00
11) 2-Methylnaphthalene-d10	12.162	152	11077	0.346	ng	0.00
14) 2,4,6-Tribromophenol	15.920	330	1345	0.354	ng	-0.01
15) 2-Fluorobiphenyl	13.041	172	18227	0.391	ng	-0.01
27) Fluoranthene-d10	19.215	212	15396	0.371	ng	0.00
31) Terphenyl-d14	19.815	244	11552	0.404	ng	0.00
Target Compounds						Qvalue
17) Acenaphthene	14.420	154	2465	0.065	ng	# 9
25) Phenanthrene	17.223	178	1421	0.024	ng	# 76
28) Fluoranthene	19.243	202	1401	0.024	ng	# 92
30) Pyrene	19.606	202	1474	0.024	ng	# 94
32) Benzo(a)anthracene	21.366	228	3722	0.089	ng	# 75
33) Chrysene	21.366	228	3722	0.075	ng	# 74
34) Bis(2-ethylhexyl)phtha...	21.286	149	3378	0.147	ng	# 99
37) Benzo(b)fluoranthene	22.978	252	1374	0.025	ng	# 1
38) Benzo(k)fluoranthene	22.978	252	1374	0.024	ng	# 1

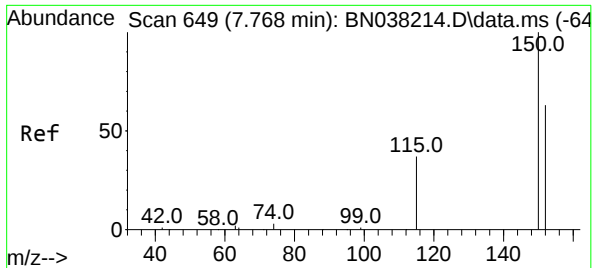
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN120125\
Data File : BN038233.D
Acq On : 01 Dec 2025 19:40
Operator : RC/JU
Sample : Q3618-02
Misc :
ALS Vial : 5 Sample Multiplier: 50

Instrument :
BNA_N
ClientSampleId :
EME-GENERAL-FILL

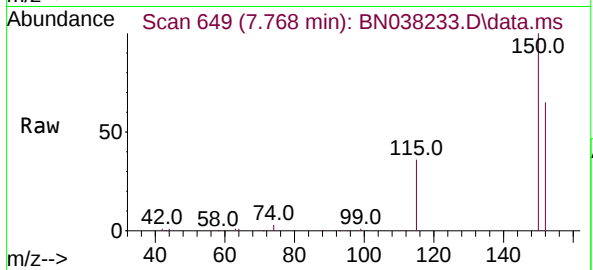
Quant Time: Dec 02 01:09:19 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN112725.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Nov 28 21:04:10 2025
Response via : Initial Calibration



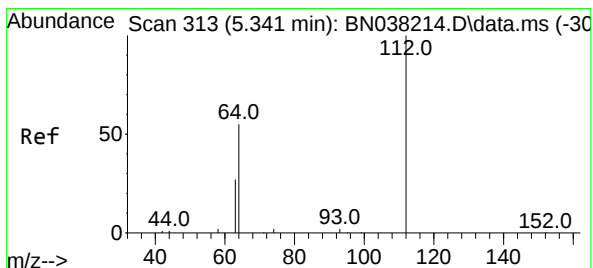
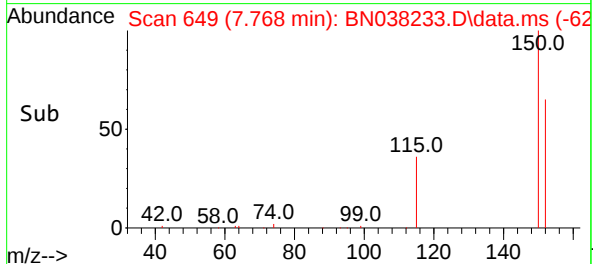
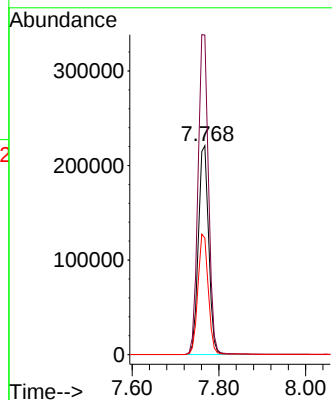


#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.768 min Scan# 649
Delta R.T. -0.000 min
Lab File: BN038233.D
Acq: 01 Dec 2025 19:40

Instrument :
BNA_N
ClientSampleId :
EME-GENERAL-FILL

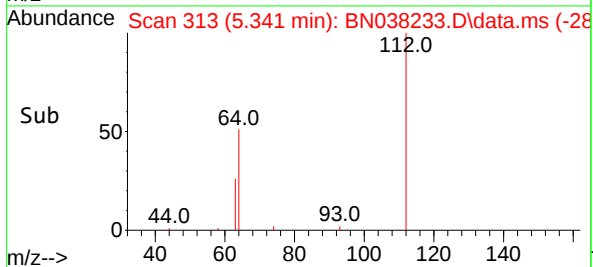
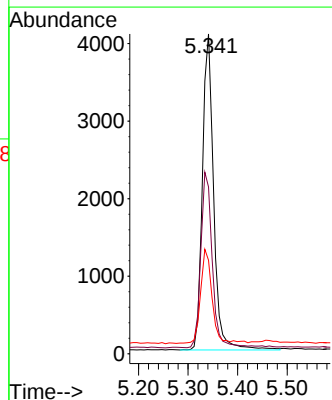
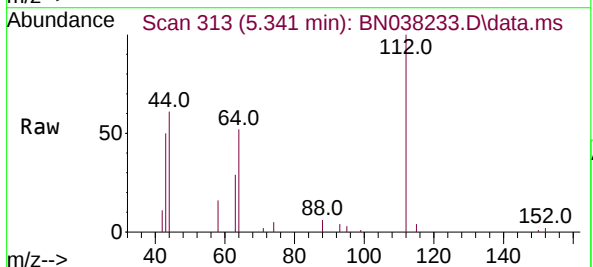


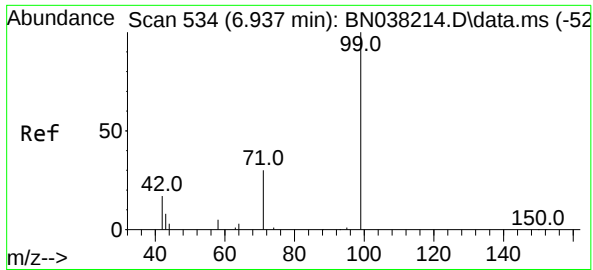
Tgt Ion:152 Resp: 365029
Ion Ratio Lower Upper
152 100
150 152.9 125.3 187.9
115 55.8 49.0 73.4



#4
2-Fluorophenol
Concen: 0.377 ng
RT: 5.341 min Scan# 313
Delta R.T. 0.000 min
Lab File: BN038233.D
Acq: 01 Dec 2025 19:40

Tgt Ion:112 Resp: 6428
Ion Ratio Lower Upper
112 100
64 56.8 45.0 67.4
63 29.6 23.2 34.8

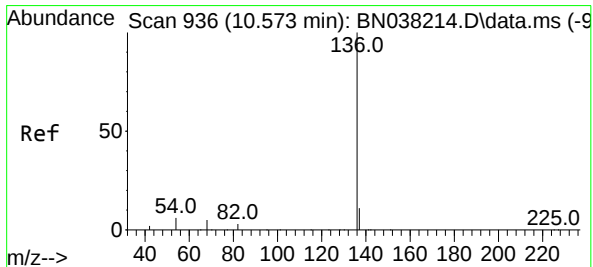
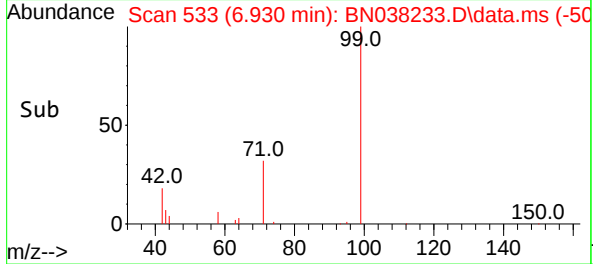
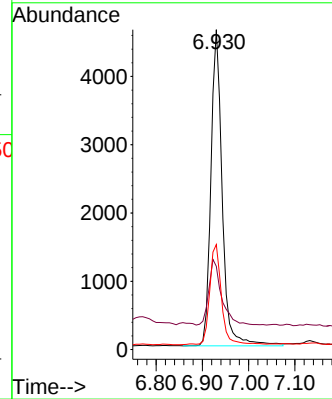
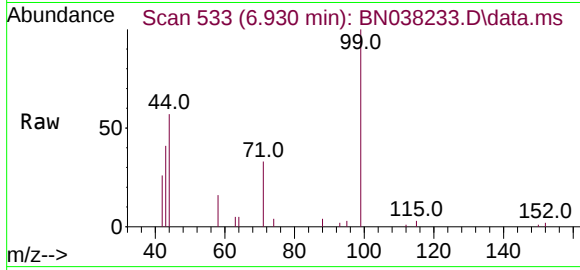




#5
Phenol-d6
Concen: 0.372 ng
RT: 6.930 min Scan# 531
Delta R.T. -0.007 min
Lab File: BN038233.D
Acq: 01 Dec 2025 19:40

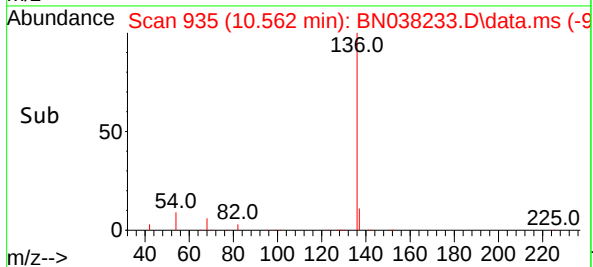
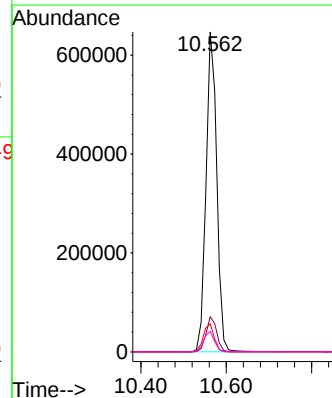
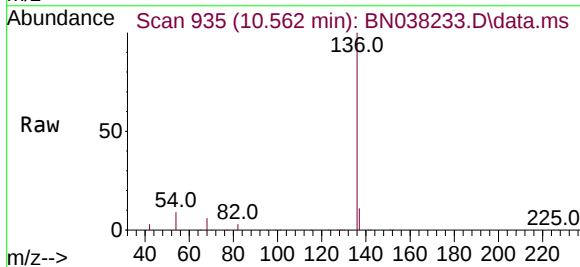
Instrument :
BNA_N
ClientSampleId :
EME-GENERAL-FILL

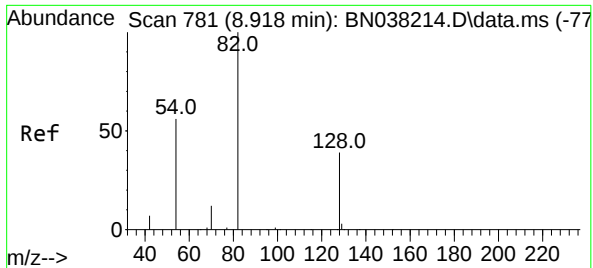
Tgt Ion:	99	Resp:	7934
Ion	Ratio	Lower	Upper
99	100		
42	23.3	17.0	25.6
71	32.9	25.4	38.2



#7
Naphthalene-d8
Concen: 20.000 ng
RT: 10.562 min Scan# 935
Delta R.T. -0.011 min
Lab File: BN038233.D
Acq: 01 Dec 2025 19:40

Tgt Ion:	136	Resp:	1126186
Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.9	13.3
54	8.8	5.4	8.0#
68	6.4	4.1	6.1#

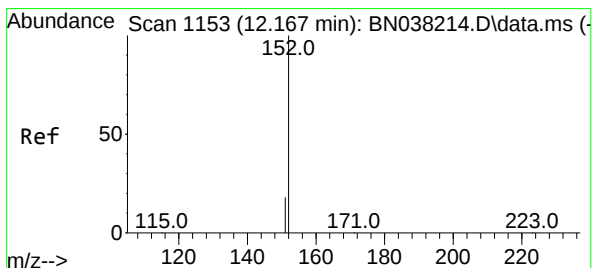
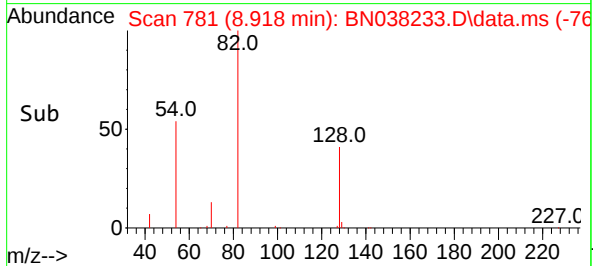
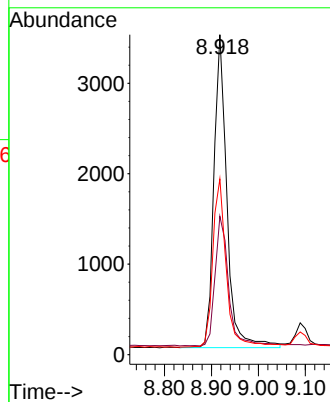
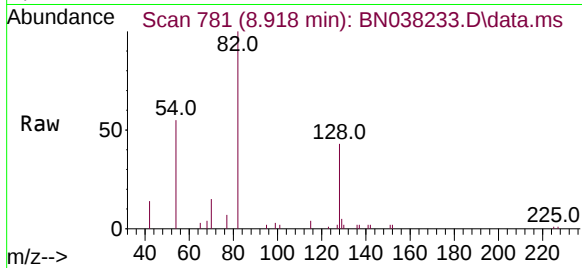




#8
Nitrobenzene-d5
Concen: 0.369 ng
RT: 8.918 min Scan# 781
Delta R.T. 0.000 min
Lab File: BN038233.D
Acq: 01 Dec 2025 19:40

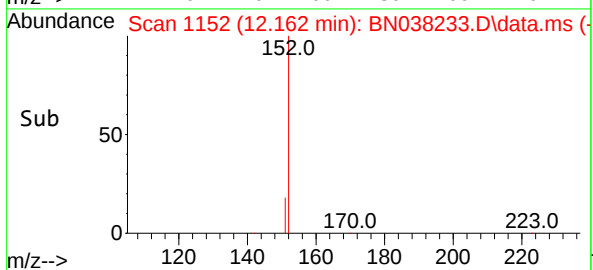
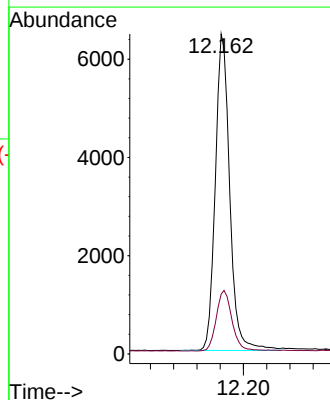
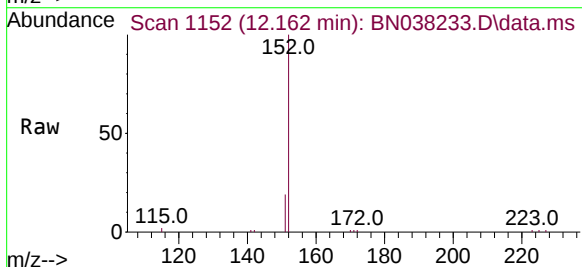
Instrument :
BNA_N
ClientSampleId :
EME-GENERAL-FILL

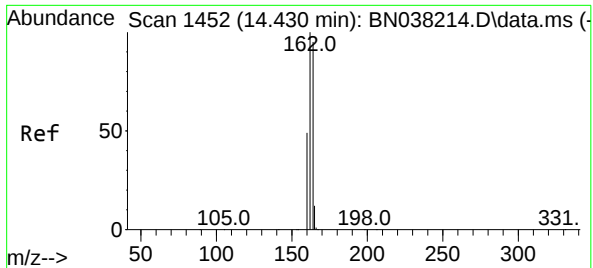
Tgt Ion:	82	Resp:	6640
Ion	Ratio	Lower	Upper
82	100		
128	43.2	32.6	48.8
54	54.9	45.4	68.0



#11
2-Methylnaphthalene-d10
Concen: 0.346 ng
RT: 12.162 min Scan# 1152
Delta R.T. -0.005 min
Lab File: BN038233.D
Acq: 01 Dec 2025 19:40

Tgt Ion:	152	Resp:	11077
Ion	Ratio	Lower	Upper
152	100		
151	20.9	16.7	25.1

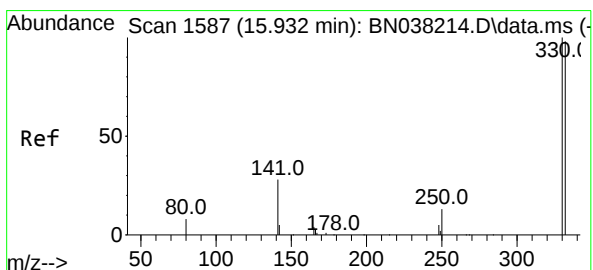
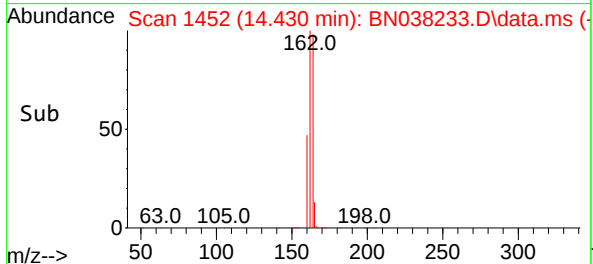
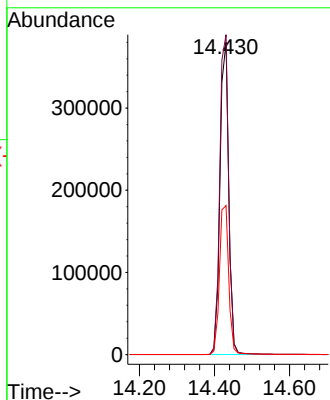
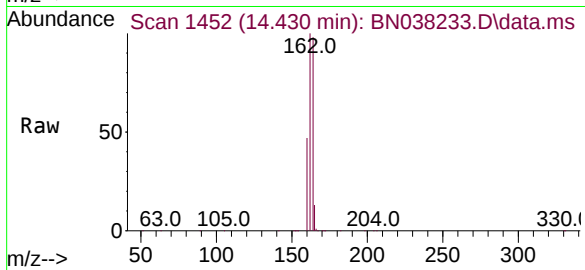




#13
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.430 min Scan# 1452
Delta R.T. 0.000 min
Lab File: BN038233.D
Acq: 01 Dec 2025 19:40

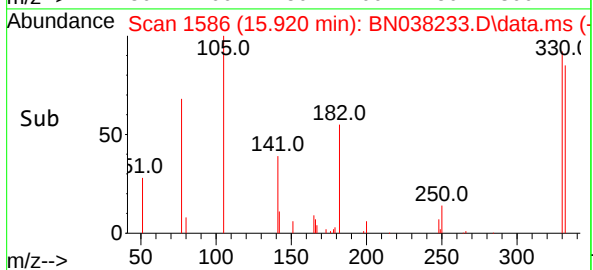
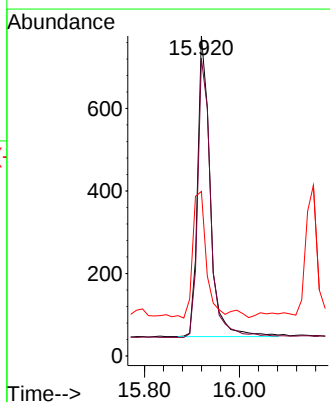
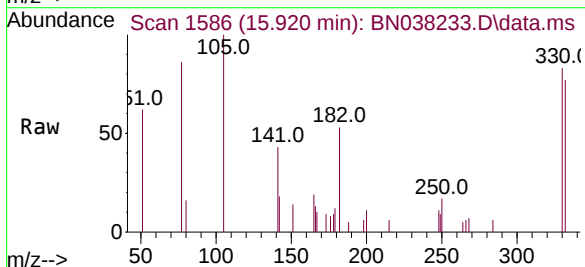
Instrument :
BNA_N
ClientSampleId :
EME-GENERAL-FILL

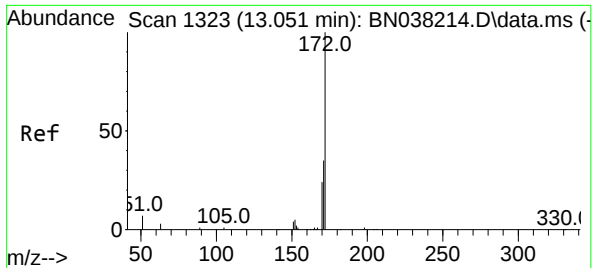
Tgt Ion:164 Resp: 604193
Ion Ratio Lower Upper
164 100
162 102.4 83.8 125.8
160 47.7 41.6 62.4



#14
2,4,6-Tribromophenol
Concen: 0.354 ng
RT: 15.920 min Scan# 1586
Delta R.T. -0.012 min
Lab File: BN038233.D
Acq: 01 Dec 2025 19:40

Tgt Ion:330 Resp: 1345
Ion Ratio Lower Upper
330 100
332 95.5 77.8 116.6
141 43.9 33.0 49.4

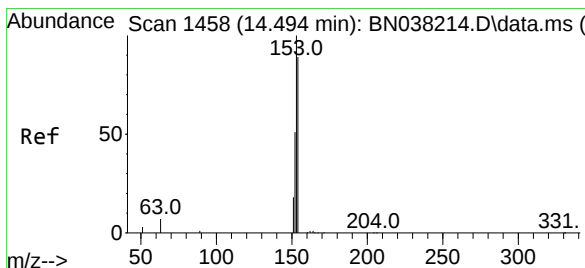
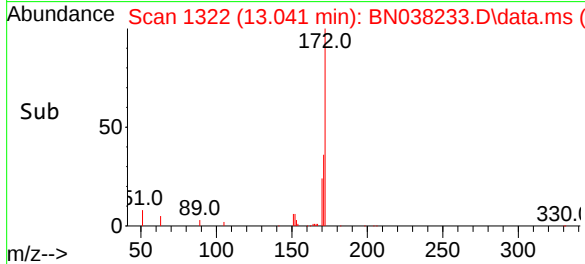
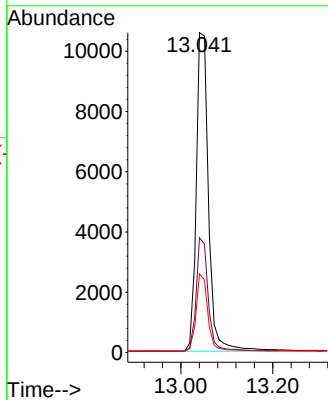
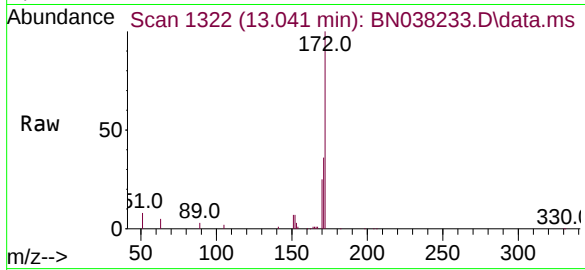




#15
2-Fluorobiphenyl
Concen: 0.391 ng
RT: 13.041 min Scan# 1323
Delta R.T. -0.010 min
Lab File: BN038233.D
Acq: 01 Dec 2025 19:40

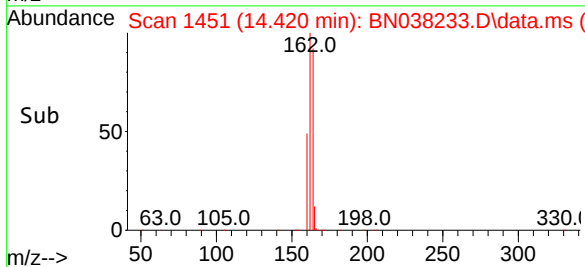
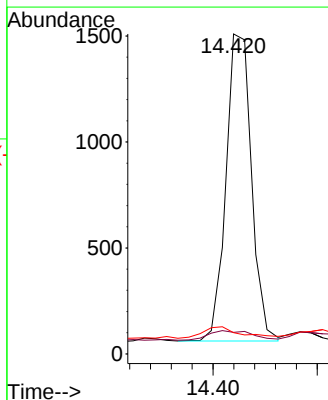
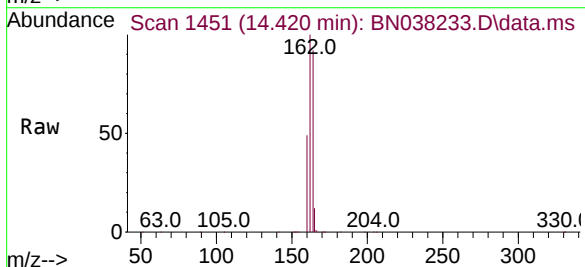
Instrument :
BNA_N
ClientSampleId :
EME-GENERAL-FILL

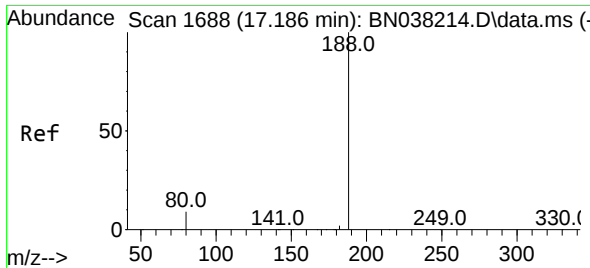
Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.9	28.1	42.1
170	24.6	19.1	28.7



#17
Acenaphthene
Concen: 0.065 ng
RT: 14.420 min Scan# 1451
Delta R.T. -0.075 min
Lab File: BN038233.D
Acq: 01 Dec 2025 19:40

Tgt Ion	Ratio	Lower	Upper
154	100		
153	5.4	91.1	136.7#
152	5.5	48.2	72.2#





#19

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.173 min Scan# 1687

Delta R.T. -0.012 min

Lab File: BN038233.D

Acq: 01 Dec 2025 19:40

Instrument :

BNA_N

ClientSampleId :

EME-GENERAL-FILL

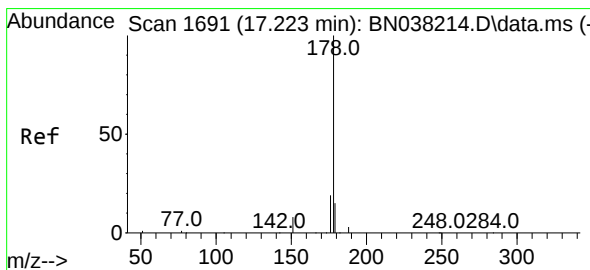
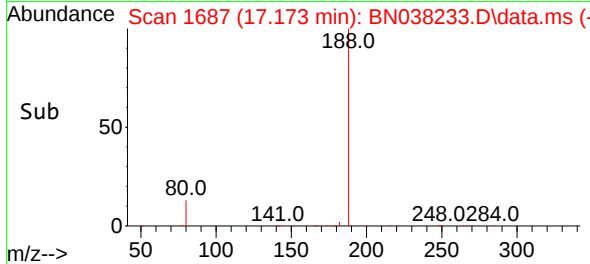
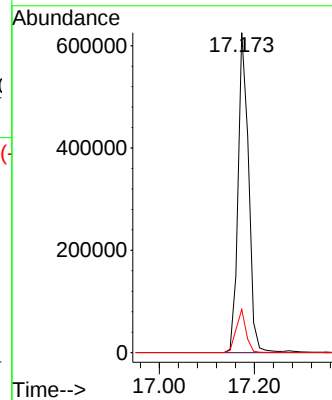
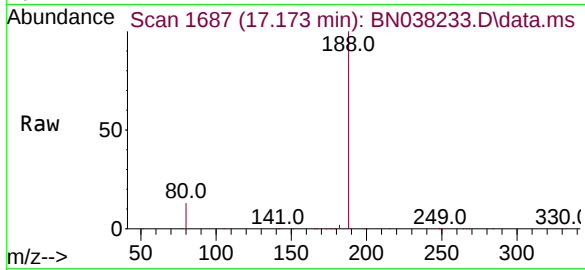
Tgt Ion:188 Resp: 957558

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

80 13.5 7.7 11.5#



#25

Phenanthrene

Concen: 0.024 ng

RT: 17.223 min Scan# 1691

Delta R.T. 0.000 min

Lab File: BN038233.D

Acq: 01 Dec 2025 19:40

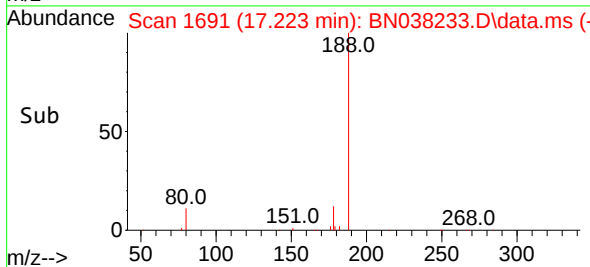
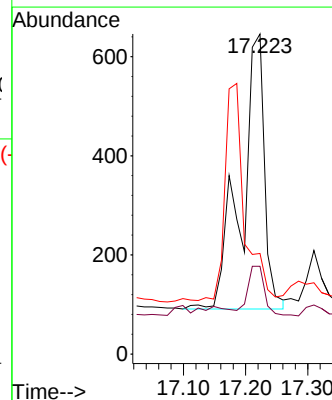
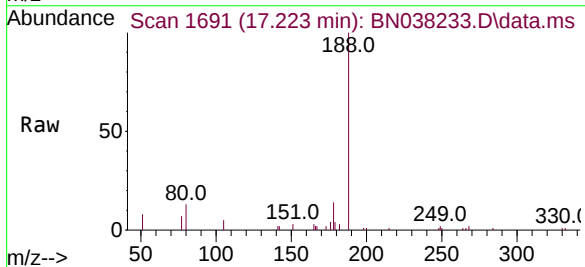
Tgt Ion:178 Resp: 1421

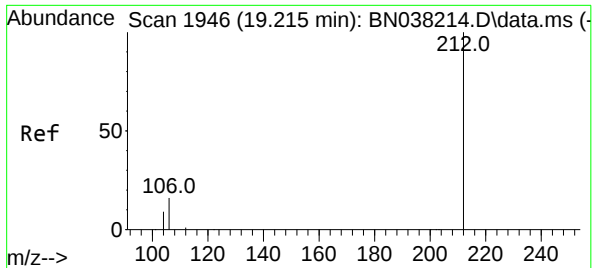
Ion Ratio Lower Upper

178 100

176 12.5 15.3 22.9#

179 0.0 12.0 18.0#





#27

Fluoranthene-d10

Concen: 0.371 ng

RT: 19.215 min Scan# 1946

Delta R.T. 0.000 min

Lab File: BN038233.D

Acq: 01 Dec 2025 19:40

Instrument :

BNA_N

ClientSampleId :

EME-GENERAL-FILL

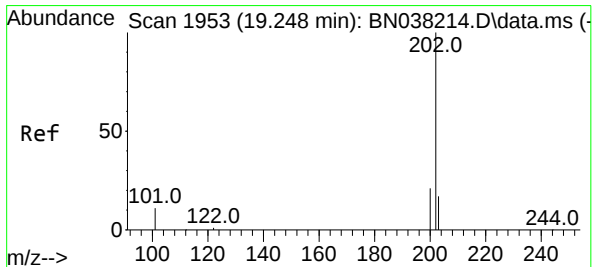
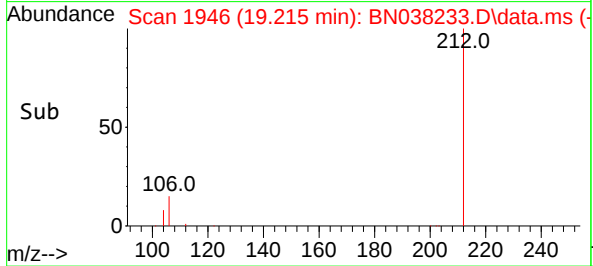
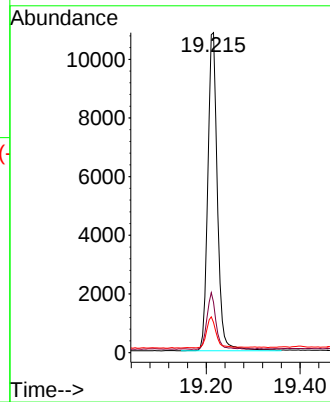
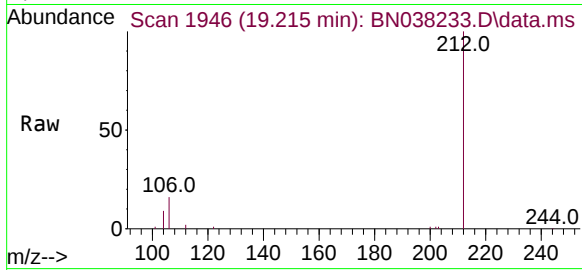
Tgt Ion:212 Resp: 15396

Ion Ratio Lower Upper

212 100

106 16.7 12.7 19.1

104 9.7 7.3 10.9



#28

Fluoranthene

Concen: 0.024 ng

RT: 19.243 min Scan# 1952

Delta R.T. -0.005 min

Lab File: BN038233.D

Acq: 01 Dec 2025 19:40

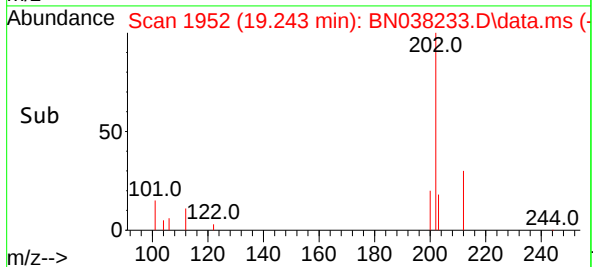
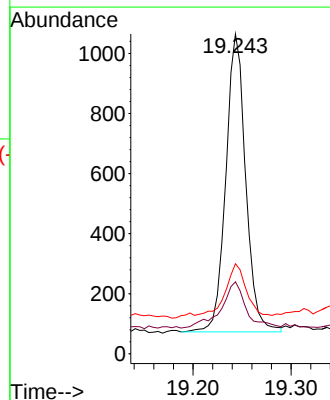
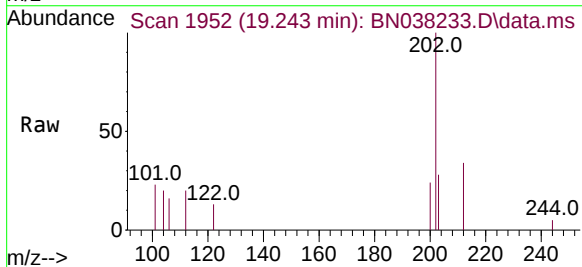
Tgt Ion:202 Resp: 1401

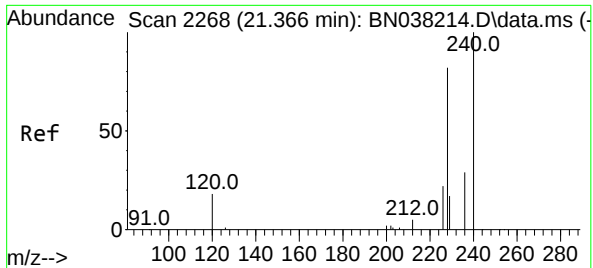
Ion Ratio Lower Upper

202 100

101 19.4 9.8 14.6#

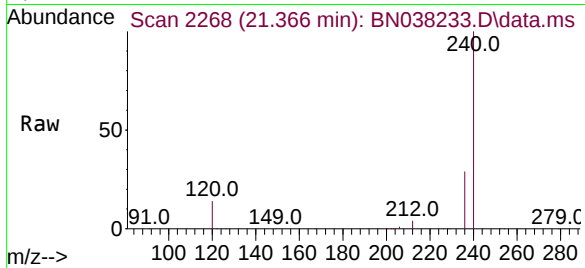
203 17.5 13.6 20.4



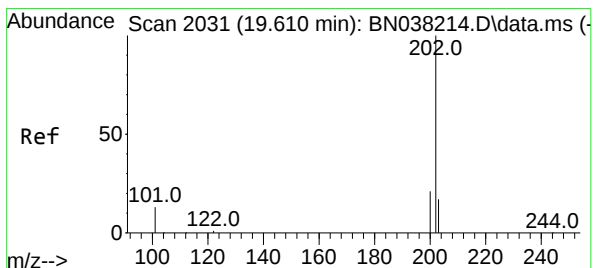
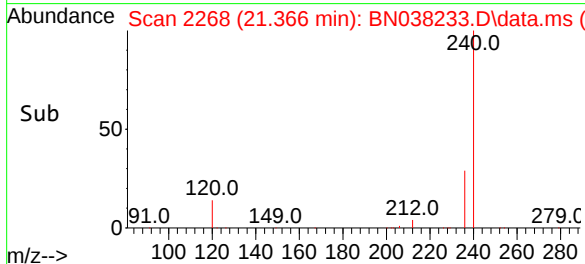
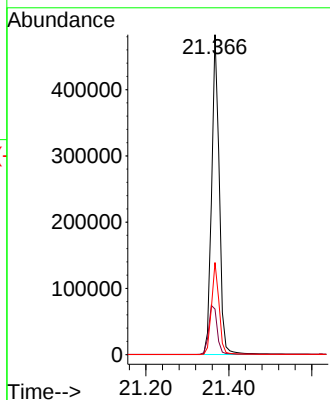


#29
Chrysene-d12
Concen: 20.000 ng
RT: 21.366 min Scan# 21
Delta R.T. 0.000 min
Lab File: BN038233.D
Acq: 01 Dec 2025 19:40

Instrument :
BNA_N
ClientSampleId :
EME-GENERAL-FILL

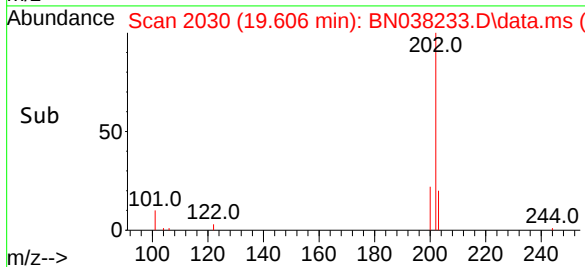
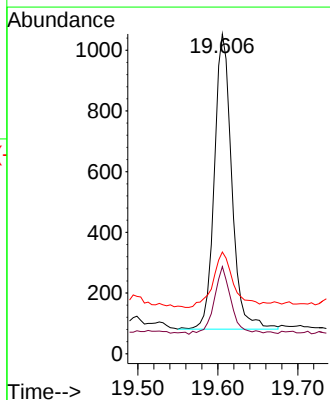
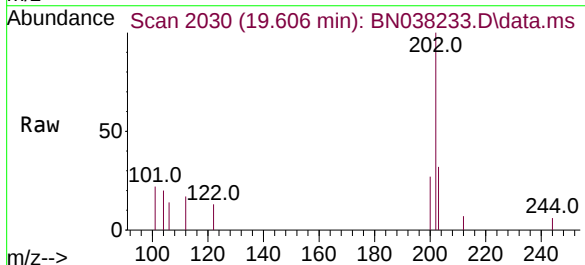


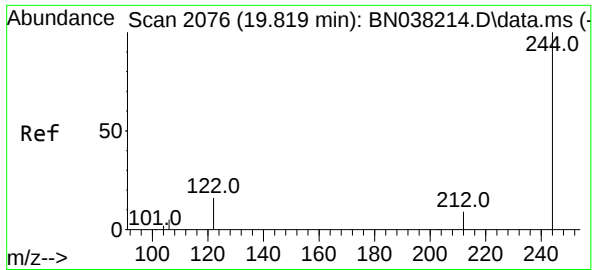
Tgt Ion:240 Resp: 619195
Ion Ratio Lower Upper
240 100
120 14.3 18.1 27.1#
236 28.8 24.2 36.4



#30
Pyrene
Concen: 0.024 ng
RT: 19.606 min Scan# 2030
Delta R.T. -0.005 min
Lab File: BN038233.D
Acq: 01 Dec 2025 19:40

Tgt Ion:202 Resp: 1474
Ion Ratio Lower Upper
202 100
200 22.6 16.8 25.2
203 21.8 14.4 21.6#

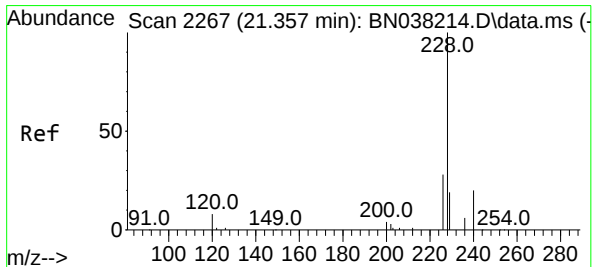
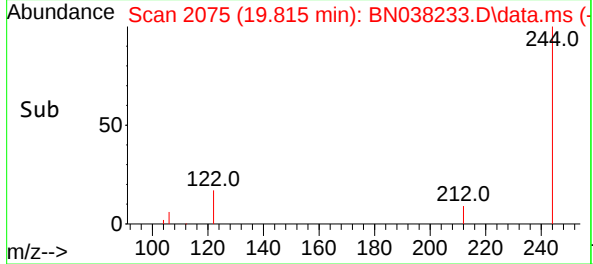
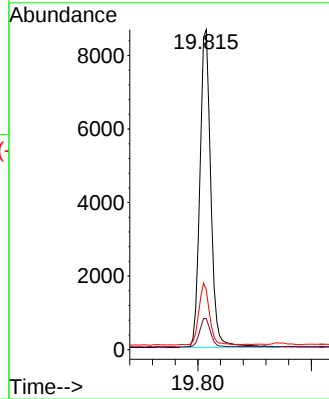
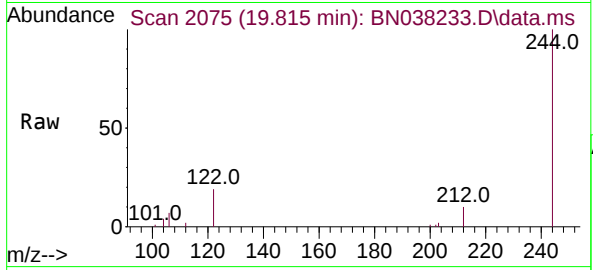




#31
Terphenyl-d14
Concen: 0.404 ng
RT: 19.815 min Scan# 2076
Delta R.T. -0.005 min
Lab File: BN038233.D
Acq: 01 Dec 2025 19:40

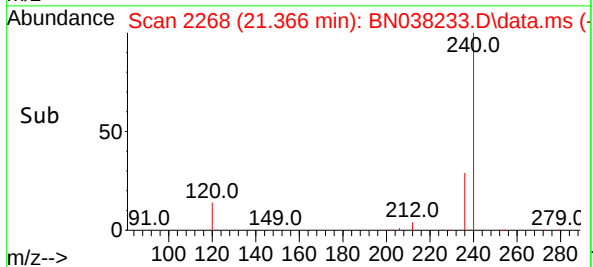
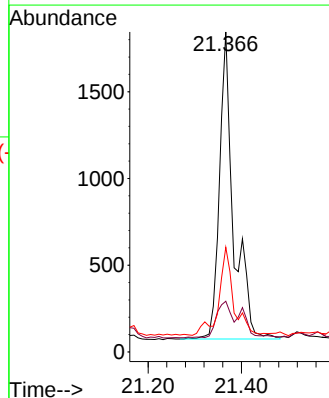
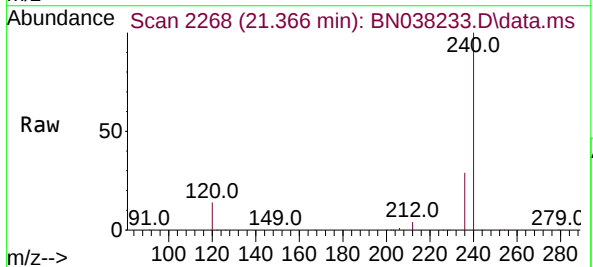
Instrument :
BNA_N
ClientSampleId :
EME-GENERAL-FILL

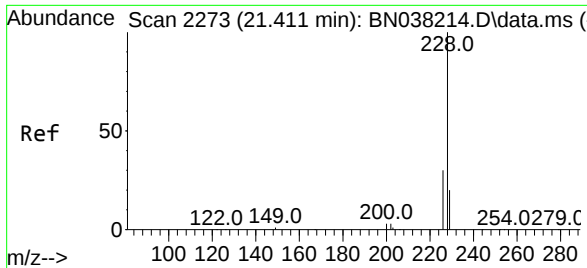
Tgt Ion:244 Resp: 11552
Ion Ratio Lower Upper
244 100
212 9.7 7.7 11.5
122 18.7 13.6 20.4



#32
Benzo(a)anthracene
Concen: 0.089 ng
RT: 21.366 min Scan# 2268
Delta R.T. 0.009 min
Lab File: BN038233.D
Acq: 01 Dec 2025 19:40

Tgt Ion:228 Resp: 3722
Ion Ratio Lower Upper
228 100
226 15.8 22.6 33.8#
229 32.7 15.8 23.8#





#33

Chrysene

Concen: 0.075 ng

RT: 21.366 min Scan# 21

Delta R.T. -0.045 min

Lab File: BN038233.D

Acq: 01 Dec 2025 19:40

Instrument :

BNA_N

ClientSampleId :

EME-GENERAL-FILL

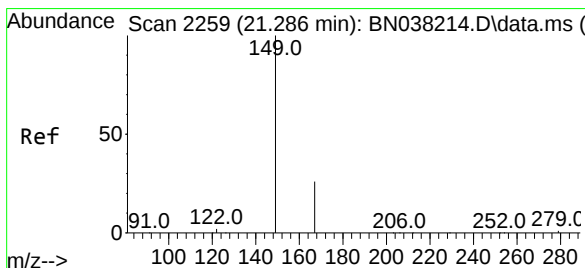
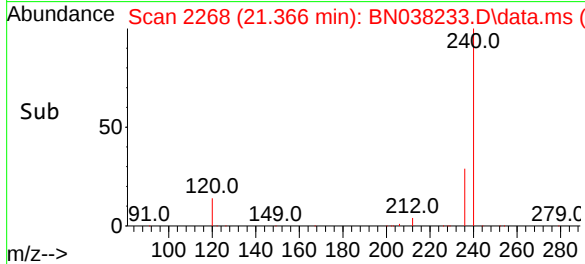
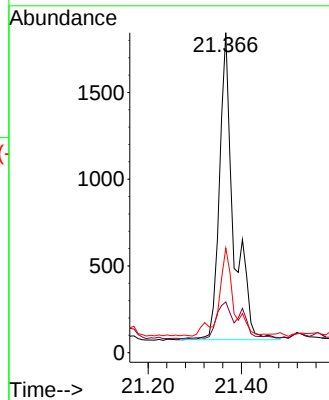
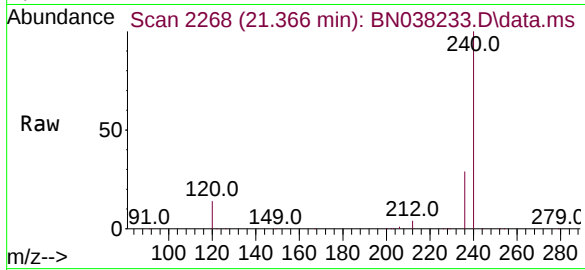
Tgt Ion:228 Resp: 3722

Ion Ratio Lower Upper

228 100

226 15.8 23.8 35.8#

229 32.7 16.1 24.1#



#34

Bis(2-ethylhexyl)phthalate

Concen: 0.147 ng

RT: 21.286 min Scan# 2259

Delta R.T. 0.000 min

Lab File: BN038233.D

Acq: 01 Dec 2025 19:40

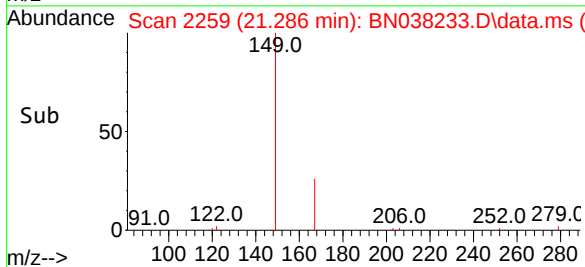
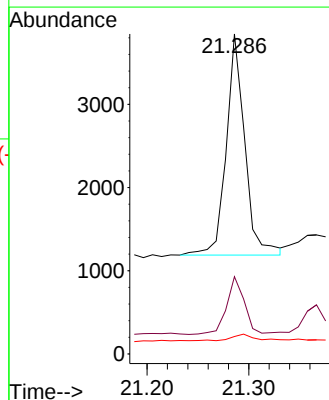
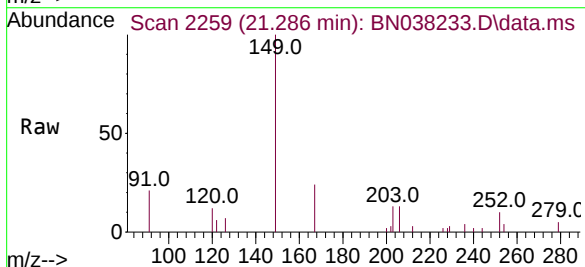
Tgt Ion:149 Resp: 3378

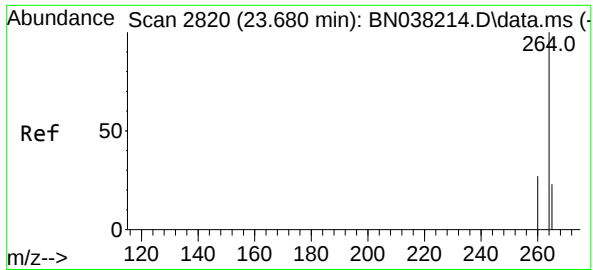
Ion Ratio Lower Upper

149 100

167 25.3 20.7 31.1

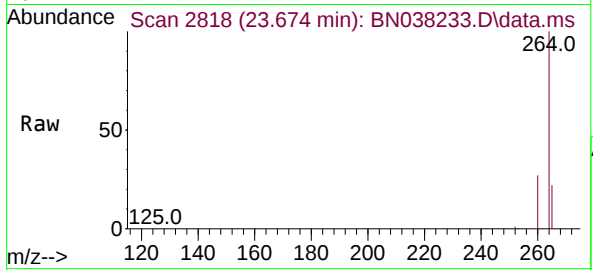
279 3.9 2.5 3.7#



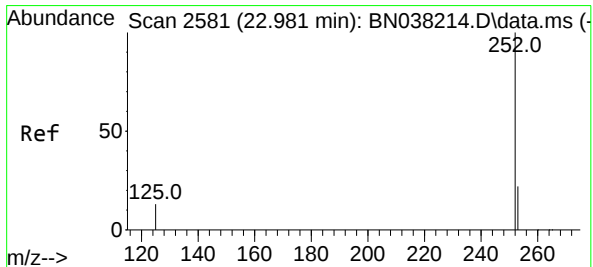
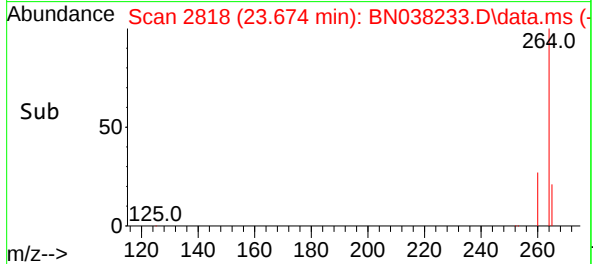
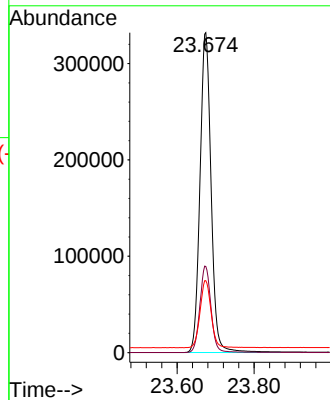


#35
Perylene-d12
Concen: 20.000 ng
RT: 23.674 min Scan# 2818
Delta R.T. -0.006 min
Lab File: BN038233.D
Acq: 01 Dec 2025 19:40

Instrument :
BNA_N
ClientSampleId :
EME-GENERAL-FILL

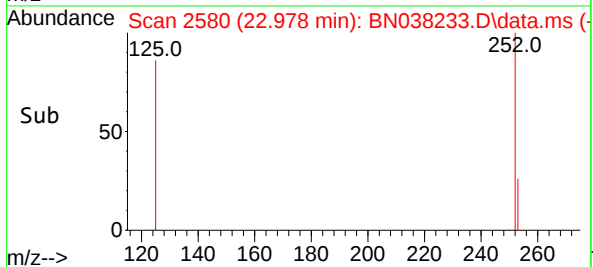
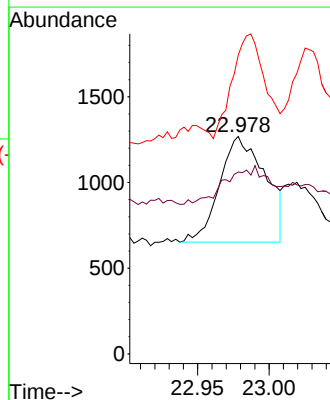
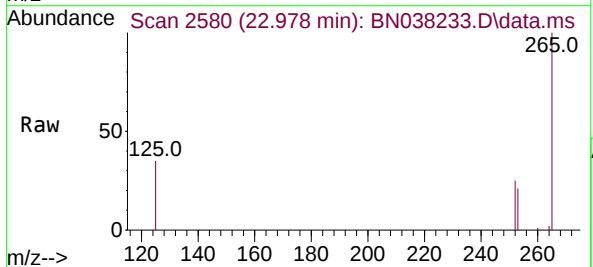


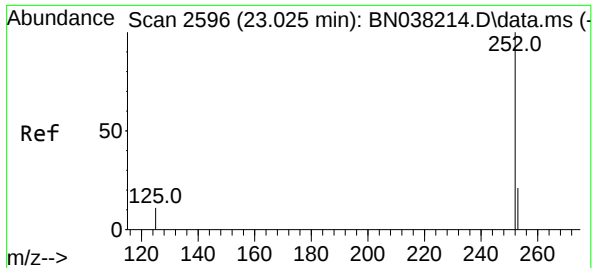
Tgt Ion:264 Resp: 661677
Ion Ratio Lower Upper
264 100
260 26.9 21.7 32.5
265 22.5 98.0 147.0#



#37
Benzo(b)fluoranthene
Concen: 0.025 ng
RT: 22.978 min Scan# 2580
Delta R.T. -0.003 min
Lab File: BN038233.D
Acq: 01 Dec 2025 19:40

Tgt Ion:252 Resp: 1374
Ion Ratio Lower Upper
252 100
253 83.7 22.2 33.4#
125 137.5 18.0 27.0#





#38

Benzo(k)fluoranthene

Concen: 0.024 ng

RT: 22.978 min Scan# 21

Delta R.T. -0.047 min

Lab File: BN038233.D

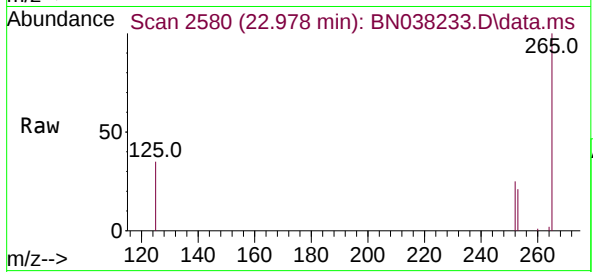
Acq: 01 Dec 2025 19:40

Instrument :

BNA_N

ClientSampleId :

EME-GENERAL-FILL



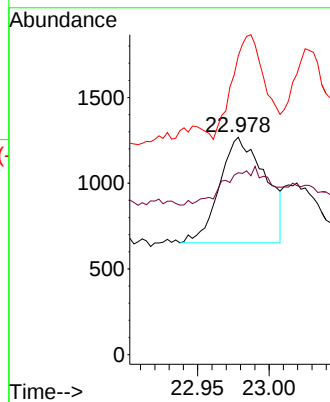
Tgt Ion:252 Resp: 1374

Ion Ratio Lower Upper

252 100

253 83.7 22.4 33.6#

125 137.5 17.5 26.3#





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: ENTA05Lab Code: ACESDG No.: Q3618Instrument ID: BNA_NCalibration Date(s): 11/26/2025 11/27/2025Calibration Time(s): 20:35 00:13

LAB FILE ID:		RRF0.1 = BN038212.D			RRF0.2 = BN038213.D		RRF0.4 = BN038214.D	
		RRF0.8 = BN038215.D			RRF1.6 = BN038216.D		RRF3.2 = BN038217.D	
COMPOUND	RRF0.1	RRF0.2	RRF0.4	RRF0.8	RRF1.6	RRF3.2	RRF	% RSD
2-Methylnaphthalene-d10	0.535	0.548	0.588	0.558	0.584	0.584	0.568	3.7
Fluoranthene-d10	0.853	0.845	0.890	0.817	0.864	0.906	0.868	3.8
2-Fluorophenol	1.008	0.930	0.992	0.881	0.925	0.915	0.935	5.1
Phenol-d6	1.180	1.103	1.215	1.099	1.187	1.203	1.168	4.1
Nitrobenzene-d5	0.370	0.314	0.310	0.304	0.321	0.309	0.320	7.1
2-Fluorobiphenyl	1.620	1.549	1.590	1.546	1.578	1.474	1.545	3.8
2,4,6-Tribromophenol	0.106	0.100	0.123	0.122	0.139	0.165	0.126	18.8
Terphenyl-d14	0.903	0.847	0.962	0.906	0.927	0.972	0.924	4.6
1,4-Dioxane		0.484	0.448	0.396	0.423	0.399	0.421	9.3

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-BN112725.M
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 Last Update : Fri Nov 28 21:04:10 2025
 Response Via : Initial Calibration

Calibration Files

0.1 =BN038212.D 0.2 =BN038213.D 0.4 =BN038214.D 0.8 =BN038215.D 1.6 =BN038216.D 3.2 =BN038217.D 5 =BN038218.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	0.484	0.448	0.396	0.423	0.399	0.378	0.421		9.29
3) n-Nitrosodimet...	0.488	0.543	0.513	0.536	0.528	0.510	0.520		3.87
4) S 2-Fluorophenol	1.008	0.930	0.992	0.881	0.925	0.915	0.892	0.935	5.14
5) S Phenol-d6	1.180	1.103	1.215	1.099	1.187	1.203	1.191	1.168	4.05
6) bis(2-Chloroet...	1.066	1.118	1.188	1.086	1.152	1.130	1.088	1.118	3.79
7) I Naphthalene-d8	-----ISTD-----								
8) S Nitrobenzene-d5	0.370	0.314	0.310	0.304	0.321	0.309	0.311	0.320	7.07
9) Naphthalene	1.152	1.102	1.153	1.075	1.118	1.093	1.082	1.111	2.87
10) Hexachlorobuta...	0.203	0.192	0.200	0.182	0.188	0.180	0.177	0.189	5.29
11) SURR2-Methylnaphth...	0.535	0.548	0.588	0.558	0.584	0.584	0.579	0.568	3.70
12) 2-Methylnaphth...	0.696	0.697	0.760	0.718	0.754	0.750	0.741	0.731	3.68
13) I Acenaphthene-d10	-----ISTD-----								
14) S 2,4,6-Tribromo...	0.106	0.100	0.123	0.122	0.139	0.165		0.126	18.76
15) S 2-Fluorobiphenyl	1.620	1.549	1.590	1.546	1.578	1.474	1.459	1.545	3.85
16) Acenaphthylene	1.756	1.685	1.801	1.702	1.830	1.866	1.880	1.789	4.31
17) Acenaphthene	1.244	1.208	1.292	1.198	1.263	1.262	1.261	1.247	2.66
18) Fluorene	1.544	1.442	1.650	1.571	1.680	1.708	1.703	1.614	6.13
19) I Phenanthrene-d10	-----ISTD-----								
20) 4,6-Dinitro-2-...	0.021	0.026	0.031	0.044	0.059	0.071	0.042		46.82
21) 4-Bromophenyl-...	0.268	0.268	0.285	0.268	0.287	0.284	0.280	0.277	3.19
22) Hexachlorobenzene	0.377	0.366	0.358	0.320	0.337	0.319	0.307	0.341	7.87
23) Atrazine	0.165	0.157	0.175	0.164	0.181	0.198	0.200	0.177	9.46
24) Pentachlorophenol		0.090	0.084	0.080	0.096	0.117		0.093	15.54
25) Phenanthrene	1.247	1.207	1.311	1.202	1.270	1.293	1.259	1.256	3.24
26) Anthracene	0.996	0.998	1.068	1.016	1.100	1.156	1.166	1.071	6.73
27) SURRFluoranthene-d10	0.853	0.845	0.890	0.817	0.864	0.906	0.900	0.868	3.76
28) Fluoranthene	1.174	1.147	1.227	1.146	1.230	1.281	1.266	1.210	4.55
29) I Chrysene-d12	-----ISTD-----								
30) Pyrene	2.066	1.804	2.087	1.972	1.973	2.077	2.006	1.998	4.91
31) S Terphenyl-d14	0.903	0.847	0.962	0.906	0.927	0.972	0.949	0.924	4.65
32) Benzo(a)anthra...	1.321	1.271	1.368	1.320	1.373	1.421	1.409	1.355	3.94
33) Chrysene	1.742	1.639	1.661	1.517	1.597	1.541	1.494	1.599	5.53
34) Bis(2-ethylhex...	0.780	0.801	0.700	0.682	0.740	0.746	0.742		6.12
35) I Perylene-d12	-----ISTD-----								

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

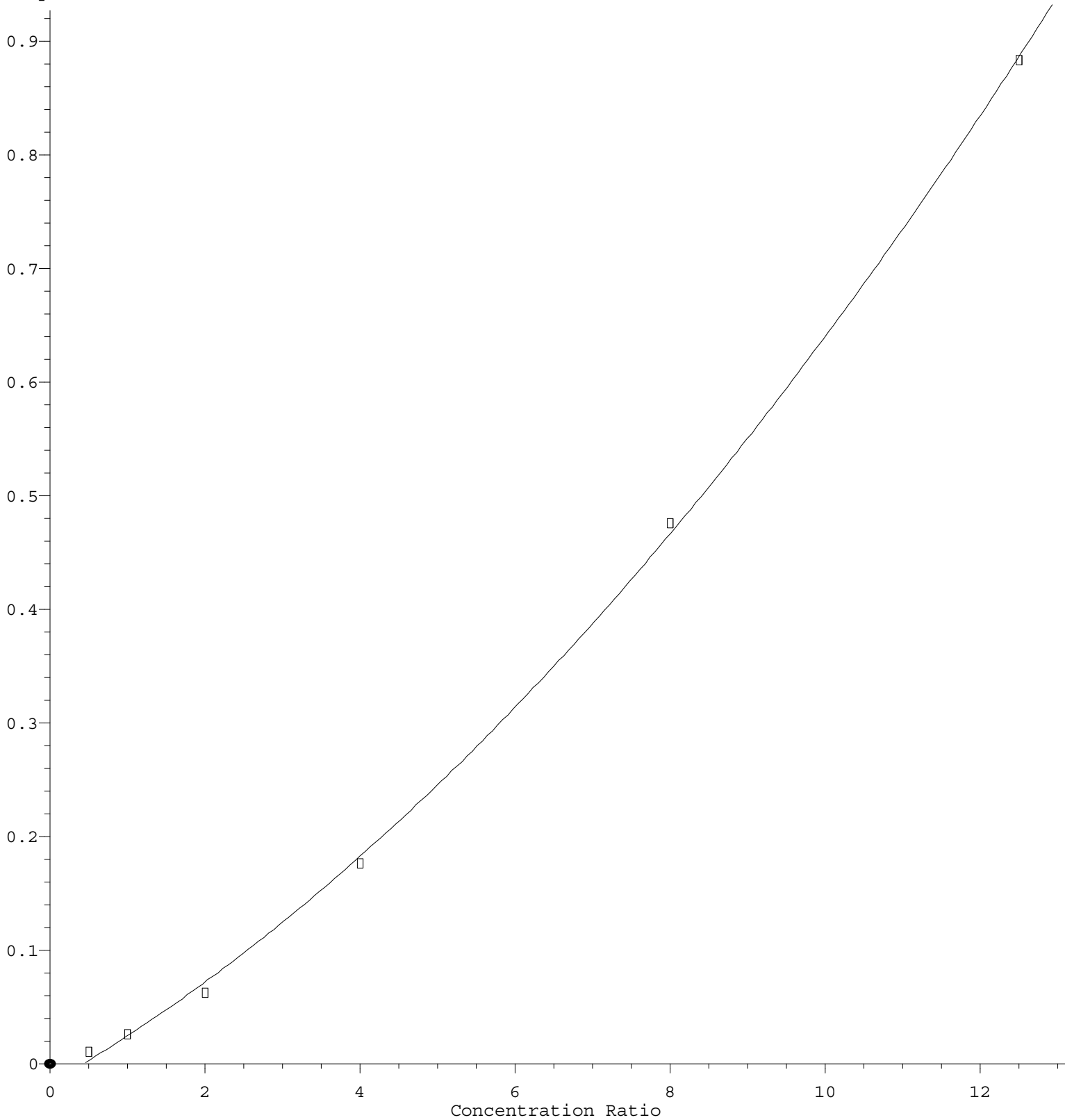
Method File : 8270-SIM-BN112725.M

36)	Indeno(1,2,3-c...	1.747	1.715	1.875	1.736	1.962	1.963	1.960	1.851	6.24
37)	Benzo(b)fluora...	1.563	1.555	1.703	1.586	1.675	1.721	1.690	1.642	4.32
38)	Benzo(k)fluora...	1.627	1.639	1.758	1.658	1.749	1.776	1.742	1.707	3.69
39) C	Benzo(a)pyrene	1.414	1.284	1.386	1.316	1.403	1.414	1.417	1.376	3.93
40)	Dibenzo(a,h)an...	1.264	1.234	1.379	1.349	1.512	1.541	1.531	1.401	9.14
41)	Benzo(g,h,i)pe...	1.722	1.586	1.721	1.617	1.720	1.687	1.670	1.674	3.25

(#) = Out of Range

4,6-Dinitro-2-methylphenol

Response Ratio



$R = 2.629e-003 A^2 + 3.944e-002 A - 1.746e-002$
 Coef of Det (r^2) = 0.999527 Curve Fit: Quadratic
 Method Name: Z:\svoasrv\HPCHEM1\BNA N\Methods\8270-SIM-BN112725.M
 Calibration Table Last Updated: Fri Nov 28 21:04:10 2025

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN112725\
 Data File : BN038212.D
 Acq On : 26 Nov 2025 20:35
 Operator : RC/JU
 Sample : SSTDICC0.1
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 SSTDICC0.1

Quant Time: Nov 28 20:54:05 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN112725.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Nov 28 20:22:09 2025
 Response via : Initial Calibration

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

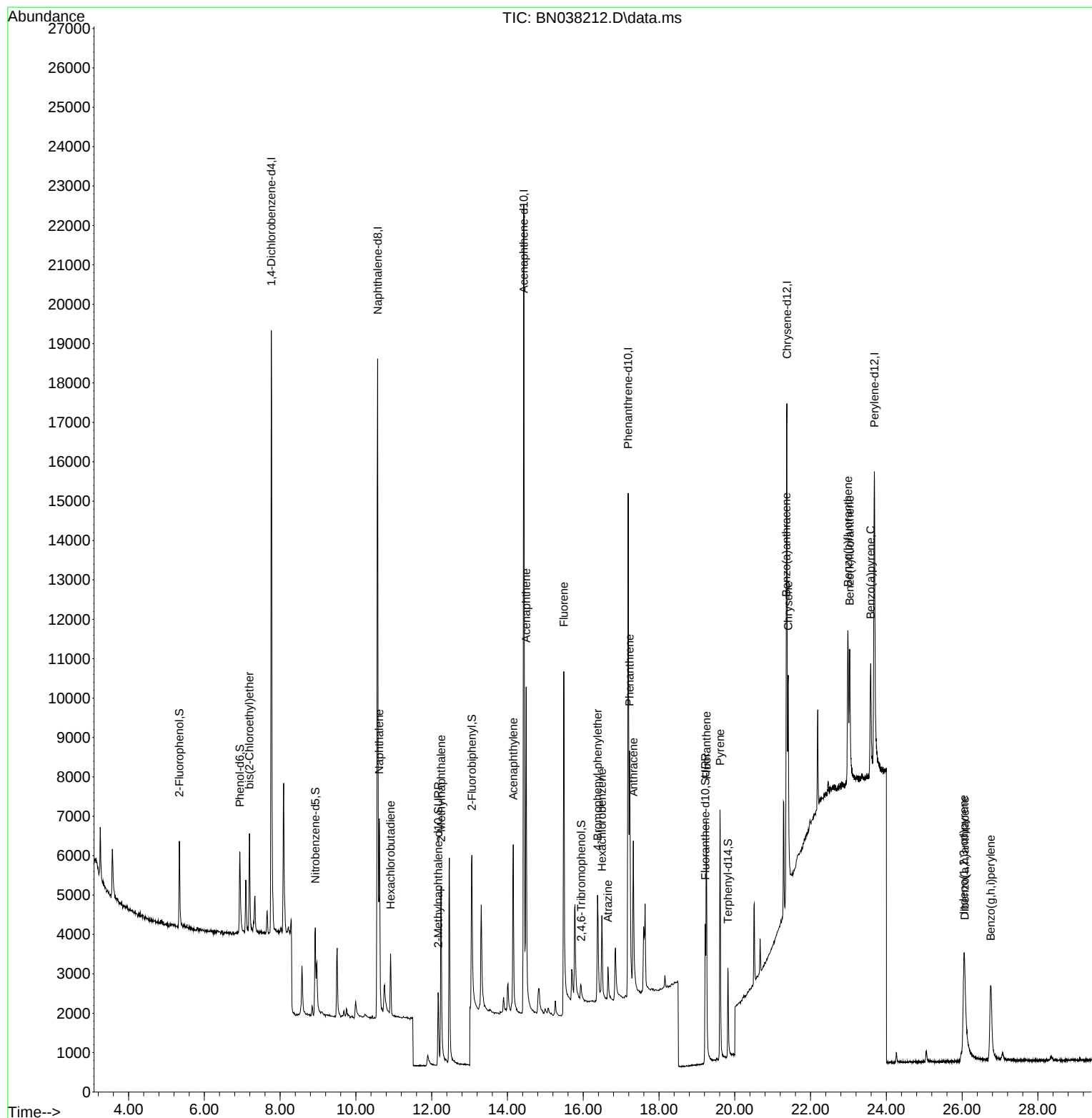
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.768	152	8004	0.400	ng	0.00
7) Naphthalene-d8	10.573	136	24261	0.400	ng	0.00
13) Acenaphthene-d10	14.430	164	13487	0.400	ng	0.00
19) Phenanthrene-d10	17.186	188	22239	0.400	ng	0.00
29) Chrysene-d12	21.375	240	12844	0.400	ng	# 0.00
35) Perylene-d12	23.683	264	12898	0.400	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.341	112	2018	0.108	ng	0.00
5) Phenol-d6	6.937	99	2361	0.101	ng	0.00
8) Nitrobenzene-d5	8.929	82	2243	0.116	ng	0.01
11) 2-Methylnaphthalene-d10	12.172	152	3243	0.094	ng	0.00
14) 2,4,6-Tribromophenol	15.945	330	357	0.084	ng	0.01
15) 2-Fluorobiphenyl	13.062	172	5461	0.105	ng	0.01
27) Fluoranthene-d10	19.220	212	4740	0.098	ng	0.00
31) Terphenyl-d14	19.819	244	2901	0.098	ng	0.00
Target Compounds						Qvalue
6) bis(2-Chloroethyl)ether	7.190	93	2134	0.095	ng	95
9) Naphthalene	10.616	128	6988	0.104	ng	96
10) Hexachlorobutadiene	10.915	225	1231	0.107	ng	# 97
12) 2-Methylnaphthalene	12.248	142	4222	0.095	ng	97
16) Acenaphthylene	14.152	152	5921	0.098	ng	100
17) Acenaphthene	14.495	154	4196	0.100	ng	97
18) Fluorene	15.489	166	5207	0.096	ng	100
21) 4-Bromophenyl-phenylether	16.379	248	1492	0.097	ng	# 77
22) Hexachlorobenzene	16.491	284	2097	0.111	ng	98
23) Atrazine	16.652	200	918	0.093	ng	# 89
25) Phenanthrene	17.223	178	6934	0.099	ng	99
26) Anthracene	17.322	178	5536	0.093	ng	100
28) Fluoranthene	19.253	202	6527	0.097	ng	99
30) Pyrene	19.610	202	6634	0.103	ng	100
32) Benzo(a)anthracene	21.358	228	4241	0.097	ng	97
33) Chrysene	21.411	228	5593	0.109	ng	98
36) Indeno(1,2,3-cd)pyrene	26.045	276	5633	0.094	ng	# 92
37) Benzo(b)fluoranthene	22.987	252	5040	0.095	ng	# 56
38) Benzo(k)fluoranthene	23.031	252	5245	0.095	ng	# 63
39) Benzo(a)pyrene	23.587	252	4558	0.103	ng	# 40
40) Dibenzo(a,h)anthracene	26.069	278	4077	0.090	ng	# 68
41) Benzo(g,h,i)perylene	26.753	276	5553m	0.103	ng	

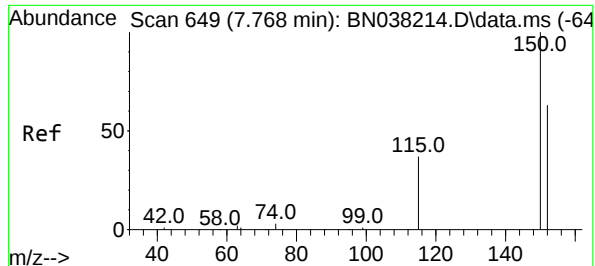
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Data File : BN038212.D
Acq On : 26 Nov 2025 20:35
Operator : RC/JU
Sample : SSTDICC0.1
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.1

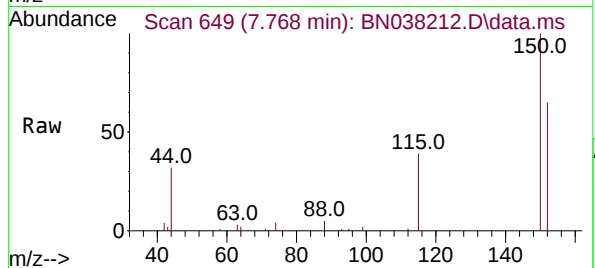
Quant Time: Nov 28 20:54:05 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN112725.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Nov 28 20:22:09 2025
Response via : Initial Calibration



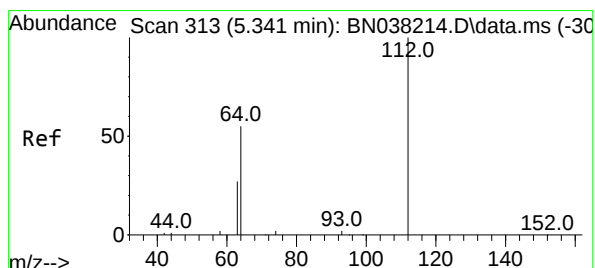
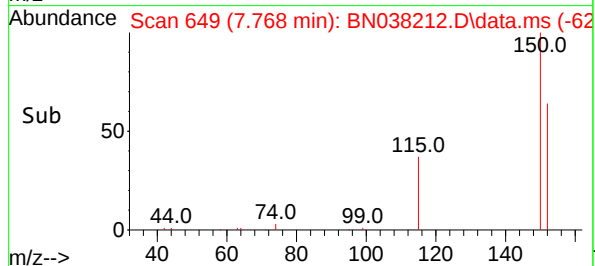
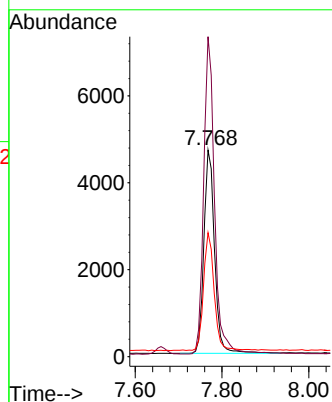


#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.768 min Scan# 649
Delta R.T. -0.000 min
Lab File: BN038212.D
Acq: 26 Nov 2025 20:35

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.1

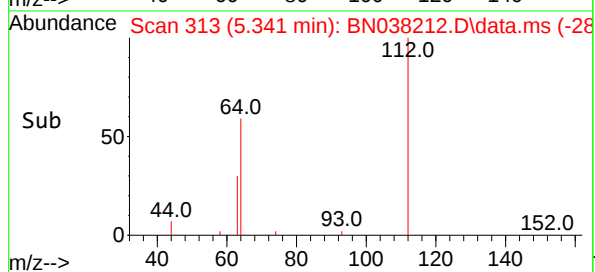
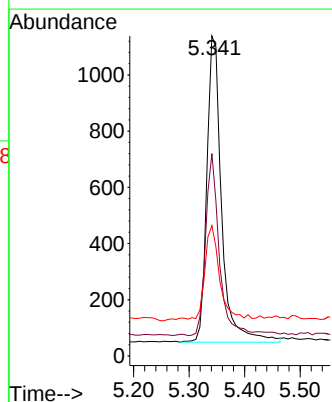
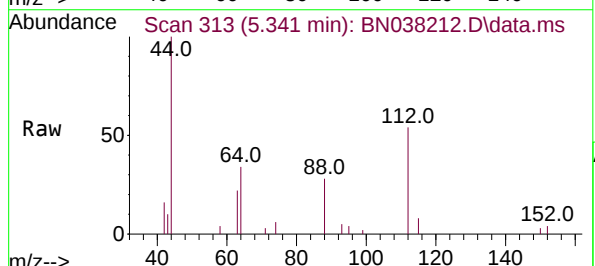


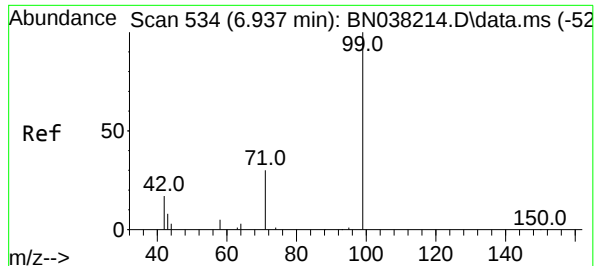
Tgt Ion:152 Resp: 8004
Ion Ratio Lower Upper
152 100
150 155.0 125.3 187.9
115 60.0 49.0 73.4



#4
2-Fluorophenol
Concen: 0.108 ng
RT: 5.341 min Scan# 313
Delta R.T. 0.000 min
Lab File: BN038212.D
Acq: 26 Nov 2025 20:35

Tgt Ion:112 Resp: 2018
Ion Ratio Lower Upper
112 100
64 54.6 45.0 67.4
63 29.6 23.2 34.8

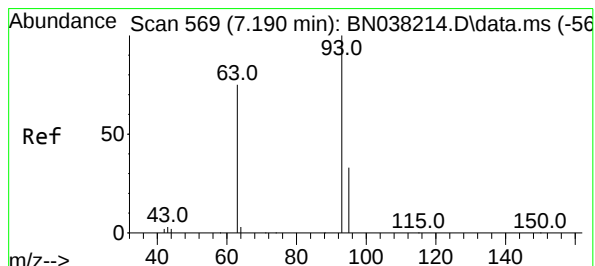
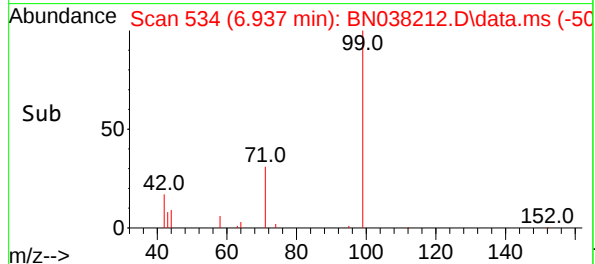
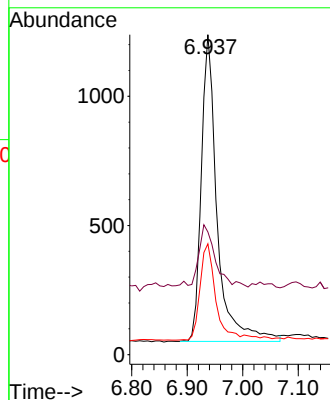
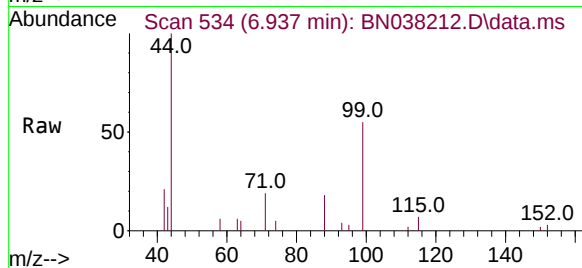




#5
Phenol-d6
Concen: 0.101 ng
RT: 6.937 min Scan# 534
Delta R.T. 0.000 min
Lab File: BN038212.D
Acq: 26 Nov 2025 20:35

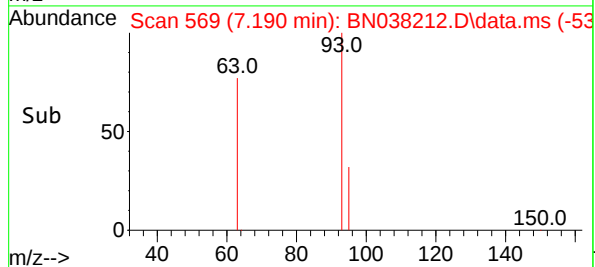
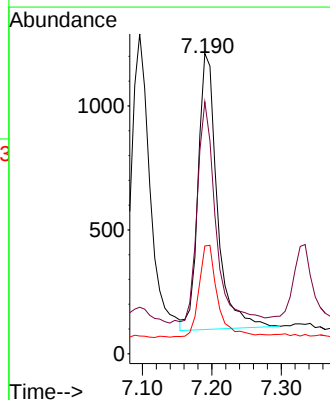
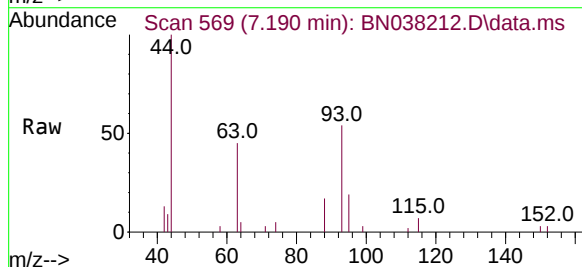
Instrument :
BNA_N
ClientSampleId :
SSTDICC0.1

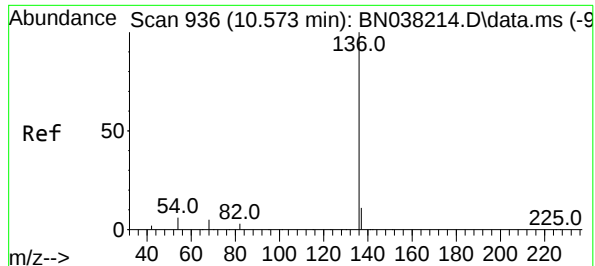
Tgt Ion:	99	Resp:	2361
Ion	Ratio	Lower	Upper
99	100		
42	23.7	17.0	25.6
71	32.5	25.4	38.2



#6
bis(2-Chloroethyl)ether
Concen: 0.095 ng
RT: 7.190 min Scan# 569
Delta R.T. 0.000 min
Lab File: BN038212.D
Acq: 26 Nov 2025 20:35

Tgt Ion:	93	Resp:	2134
Ion	Ratio	Lower	Upper
93	100		
63	78.2	58.1	87.1
95	32.9	25.1	37.7

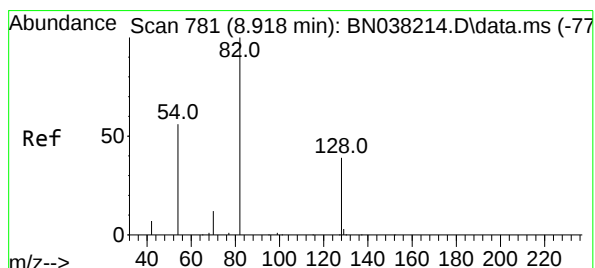
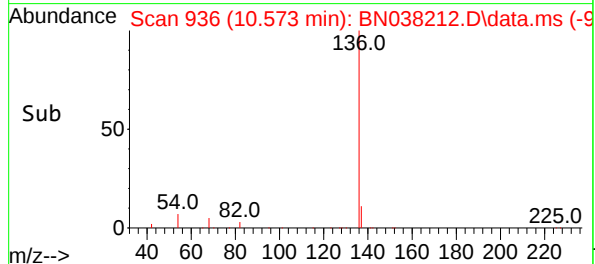
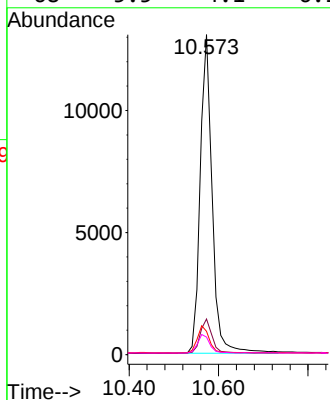
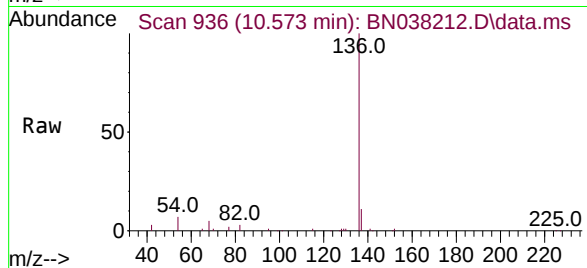




#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.573 min Scan# 936
Delta R.T. 0.000 min
Lab File: BN038212.D
Acq: 26 Nov 2025 20:35

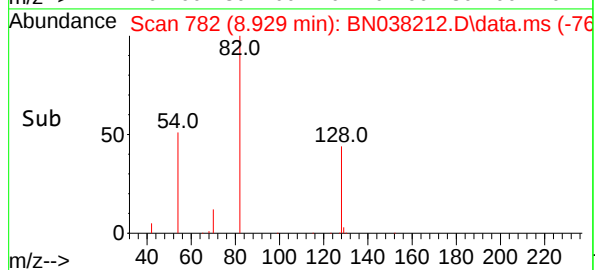
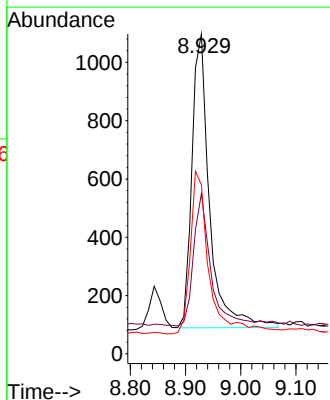
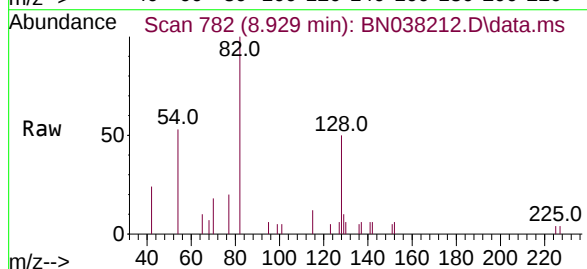
Instrument :
BNA_N
ClientSampleId :
SSTDICC0.1

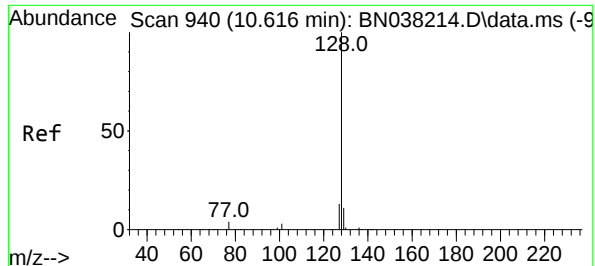
Tgt Ion:	136	Resp:	24261
Ion	Ratio	Lower	Upper
136	100		
137	11.1	8.9	13.3
54	7.3	5.4	8.0
68	5.5	4.1	6.1



#8
Nitrobenzene-d5
Concen: 0.116 ng
RT: 8.929 min Scan# 782
Delta R.T. 0.011 min
Lab File: BN038212.D
Acq: 26 Nov 2025 20:35

Tgt Ion:	82	Resp:	2243
Ion	Ratio	Lower	Upper
82	100		
128	50.1	32.6	48.8#
54	52.8	45.4	68.0

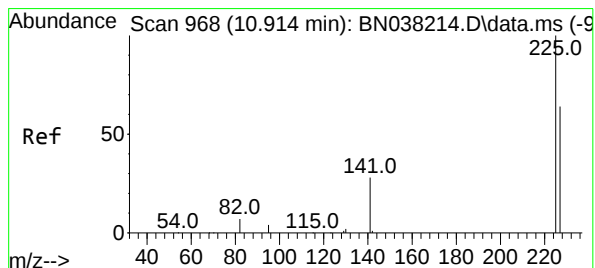
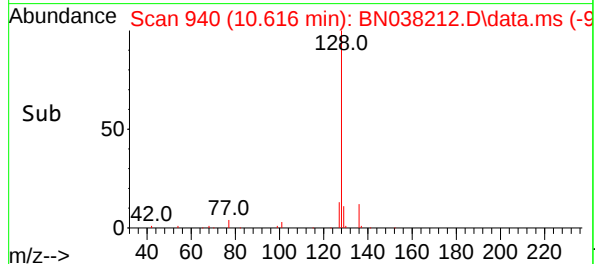
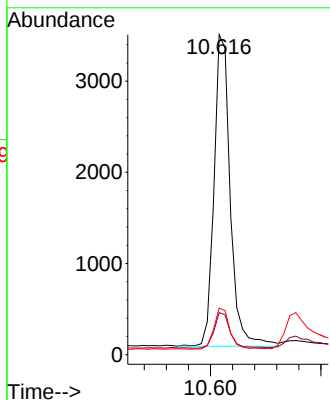
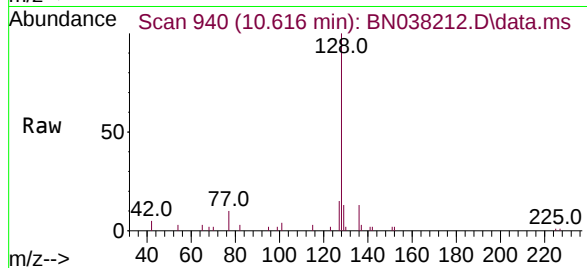




#9
Naphthalene
Concen: 0.104 ng
RT: 10.616 min Scan# 940
Delta R.T. 0.000 min
Lab File: BN038212.D
Acq: 26 Nov 2025 20:35

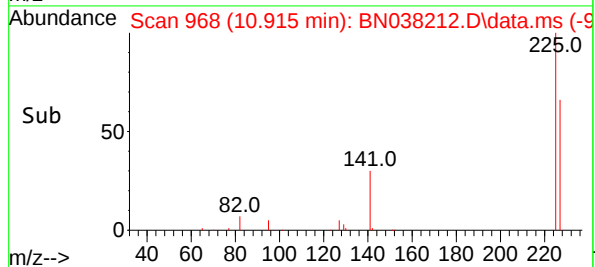
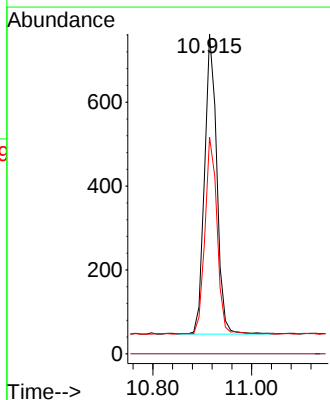
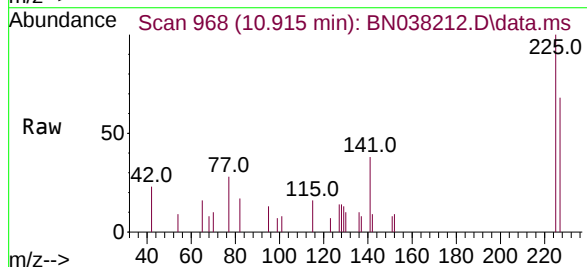
Instrument :
BNA_N
ClientSampleId :
SSTDICC0.1

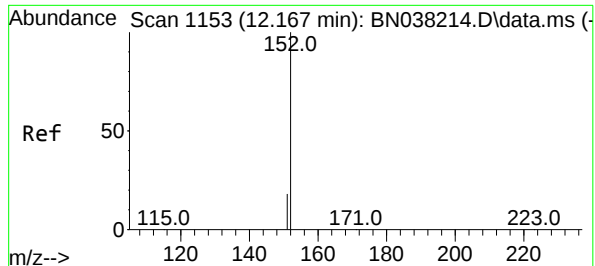
Tgt Ion	128	129	127
Resp:	6988		
Ion Ratio	100	13.1	14.6
Lower		9.1	10.6
Upper		13.7	16.0



#10
Hexachlorobutadiene
Concen: 0.107 ng
RT: 10.915 min Scan# 968
Delta R.T. 0.000 min
Lab File: BN038212.D
Acq: 26 Nov 2025 20:35

Tgt Ion	225	223	227
Resp:	1231		
Ion Ratio	100	0.0	65.1
Lower		0.0	50.5
Upper		0.0	75.7

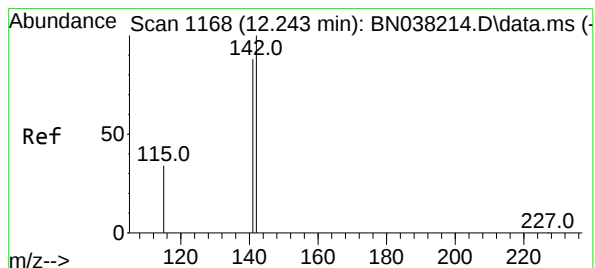
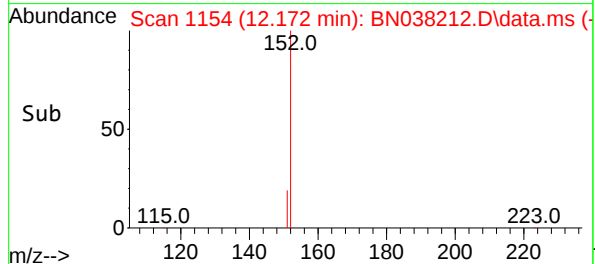
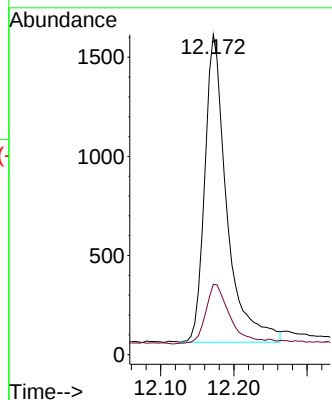
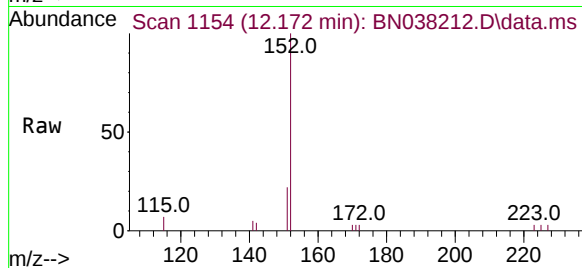




#11
2-Methylnaphthalene-d10
Concen: 0.094 ng
RT: 12.172 min Scan# 1154
Delta R.T. 0.005 min
Lab File: BN038212.D
Acq: 26 Nov 2025 20:35

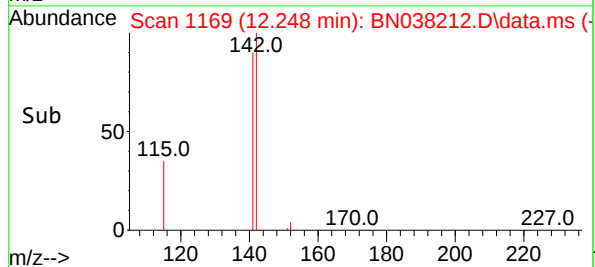
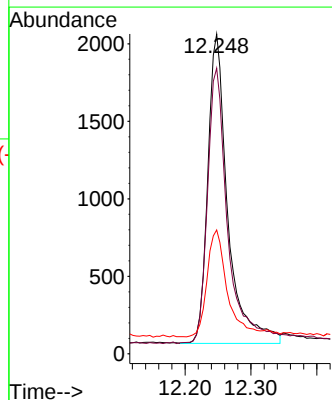
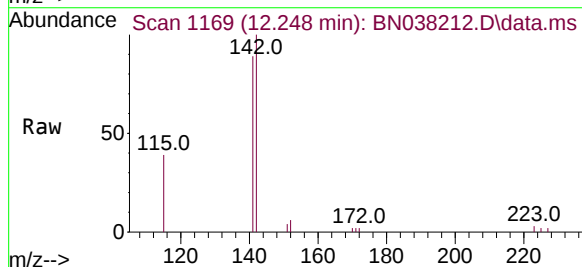
Instrument :
BNA_N
ClientSampleId :
SSTDICC0.1

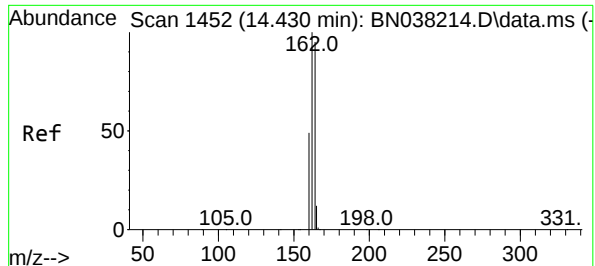
Tgt Ion:152 Resp: 3243
Ion Ratio Lower Upper
152 100
151 21.4 16.7 25.1



#12
2-Methylnaphthalene
Concen: 0.095 ng
RT: 12.248 min Scan# 1169
Delta R.T. 0.005 min
Lab File: BN038212.D
Acq: 26 Nov 2025 20:35

Tgt Ion:142 Resp: 4222
Ion Ratio Lower Upper
142 100
141 89.3 70.9 106.3
115 38.7 27.7 41.5

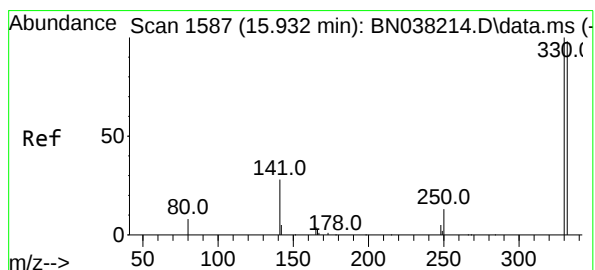
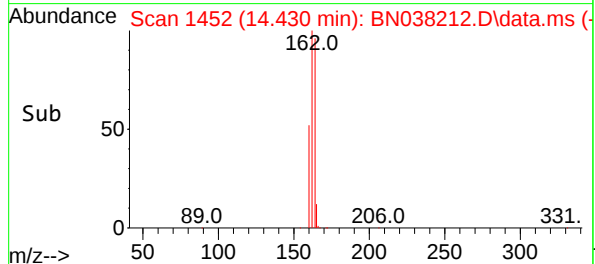
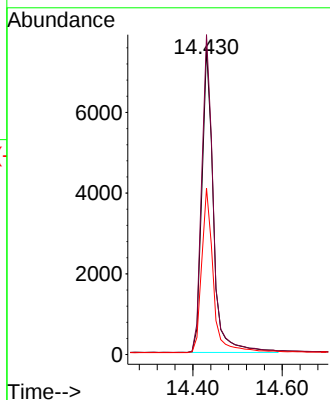
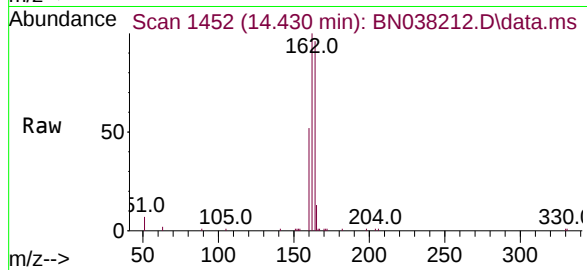




#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.430 min Scan# 1452
Delta R.T. 0.000 min
Lab File: BN038212.D
Acq: 26 Nov 2025 20:35

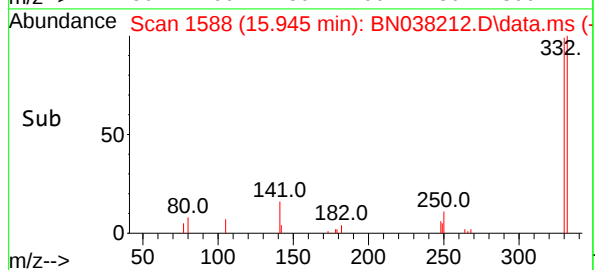
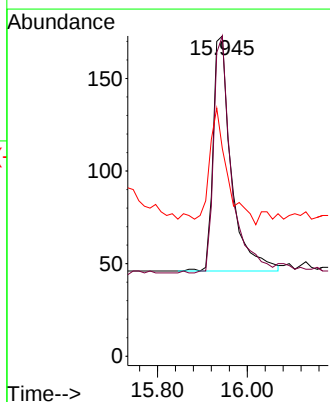
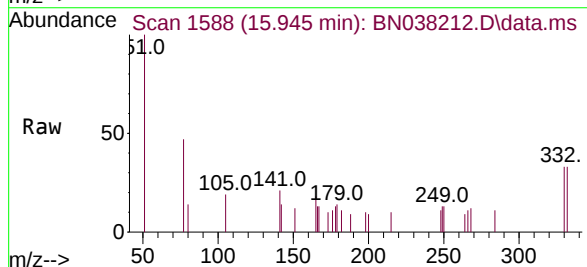
Instrument :
BNA_N
ClientSampleId :
SSTDICC0.1

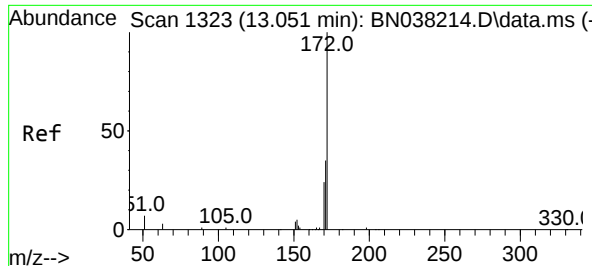
Tgt Ion:164 Resp: 13487
Ion Ratio Lower Upper
164 100
162 104.5 83.8 125.8
160 54.4 41.6 62.4



#14
2,4,6-Tribromophenol
Concen: 0.084 ng
RT: 15.945 min Scan# 1588
Delta R.T. 0.013 min
Lab File: BN038212.D
Acq: 26 Nov 2025 20:35

Tgt Ion:330 Resp: 357
Ion Ratio Lower Upper
330 100
332 98.6 77.8 116.6
141 48.2 33.0 49.4

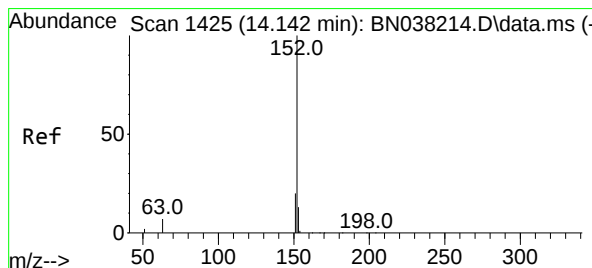
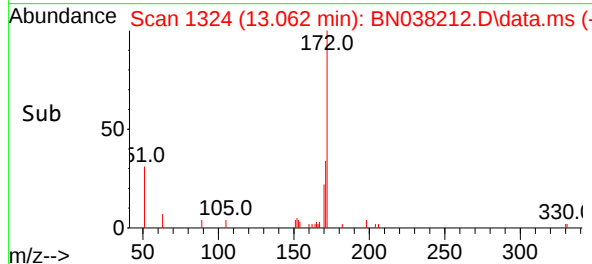
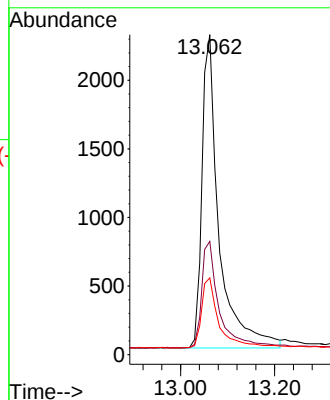
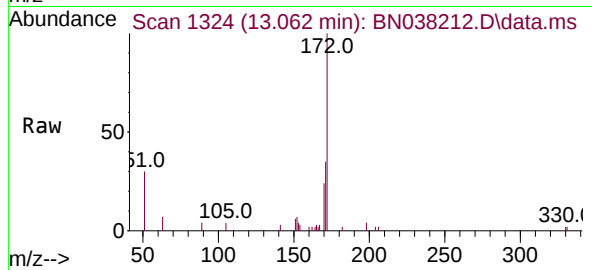




#15
2-Fluorobiphenyl
Concen: 0.105 ng
RT: 13.062 min Scan# 1323
Delta R.T. 0.011 min
Lab File: BN038212.D
Acq: 26 Nov 2025 20:35

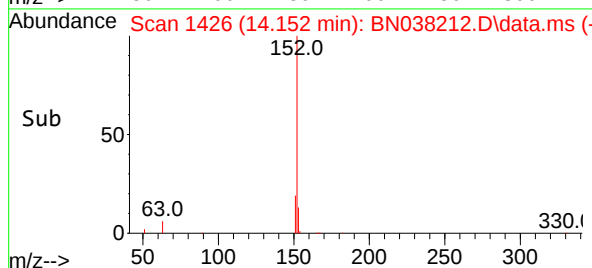
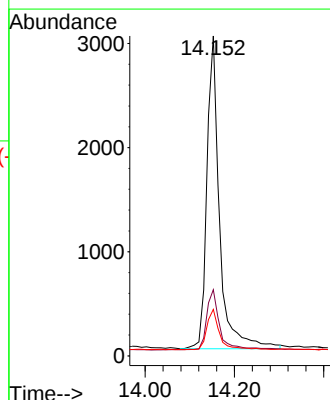
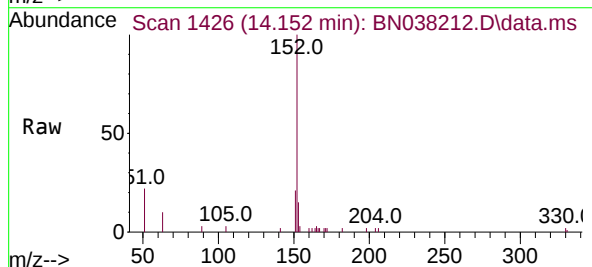
Instrument :
BNA_N
ClientSampleId :
SSTDICC0.1

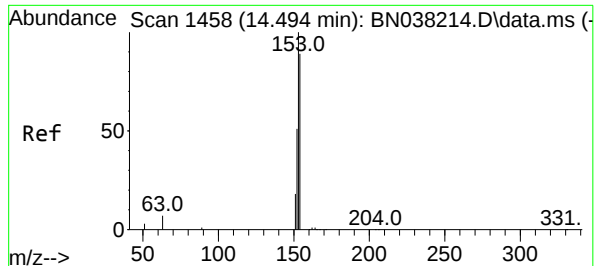
Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.4	28.1	42.1
170	24.0	19.1	28.7



#16
Acenaphthylene
Concen: 0.098 ng
RT: 14.152 min Scan# 1426
Delta R.T. 0.011 min
Lab File: BN038212.D
Acq: 26 Nov 2025 20:35

Tgt Ion	Ratio	Lower	Upper
152	100		
151	19.7	15.6	23.4
153	13.1	10.6	15.8

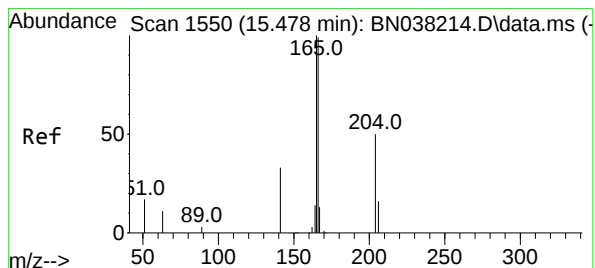
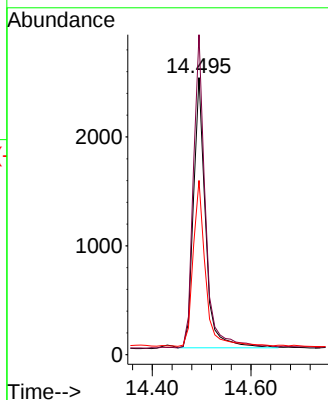
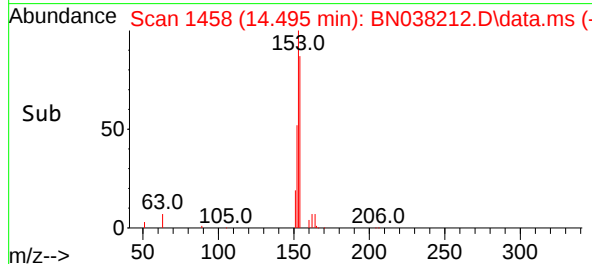
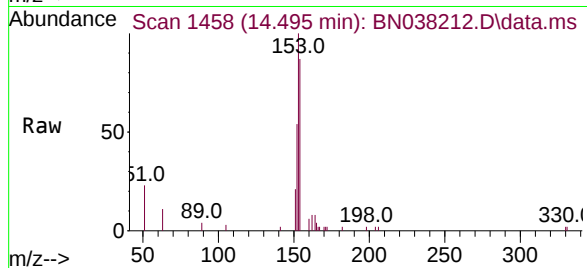




#17
Acenaphthene
Concen: 0.100 ng
RT: 14.495 min Scan# 1458
Delta R.T. 0.000 min
Lab File: BN038212.D
Acq: 26 Nov 2025 20:35

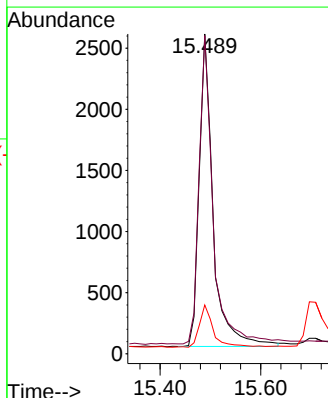
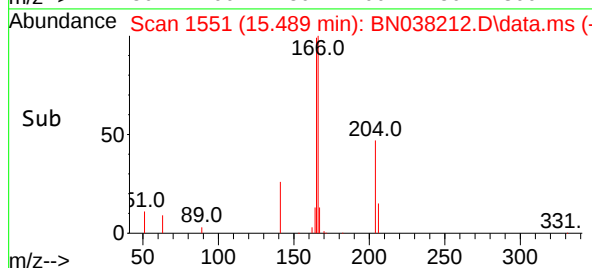
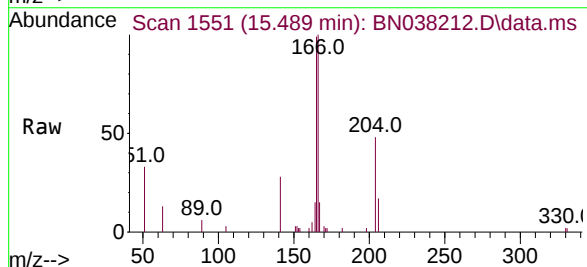
Instrument :
BNA_N
ClientSampleId :
SSTDICC0.1

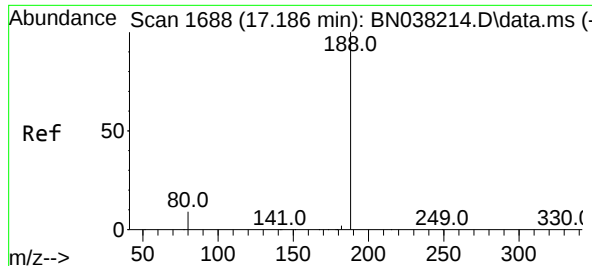
Tgt Ion:154 Resp: 4196
Ion Ratio Lower Upper
154 100
153 116.8 91.1 136.7
152 62.9 48.2 72.2



#18
Fluorene
Concen: 0.096 ng
RT: 15.489 min Scan# 1551
Delta R.T. 0.011 min
Lab File: BN038212.D
Acq: 26 Nov 2025 20:35

Tgt Ion:166 Resp: 5207
Ion Ratio Lower Upper
166 100
165 98.4 78.7 118.1
167 13.6 10.9 16.3





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 17.186 min Scan# 1688

Delta R.T. 0.000 min

Lab File: BN038212.D

Acq: 26 Nov 2025 20:35

Instrument :

BNA_N

ClientSampleId :

SSTDICC0.1

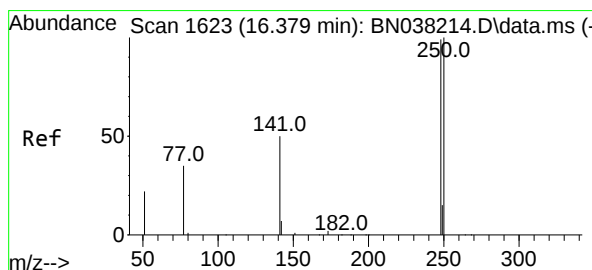
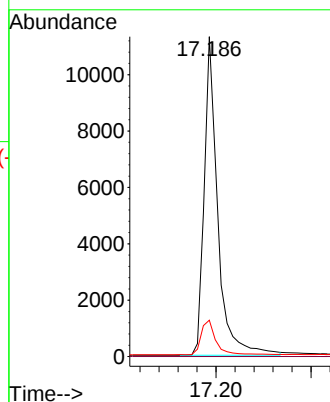
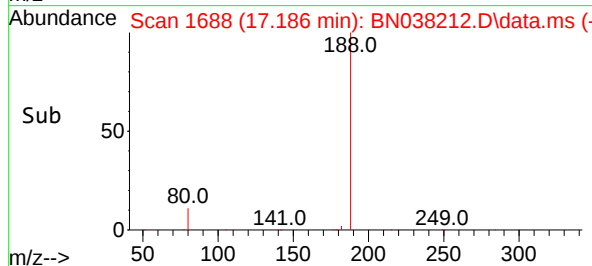
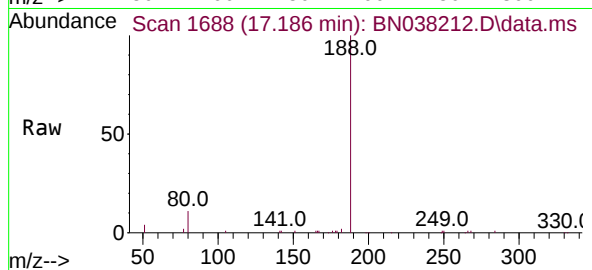
Tgt Ion:188 Resp: 22239

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

80 11.4 7.7 11.5



#21

4-Bromophenyl-phenylether

Concen: 0.097 ng

RT: 16.379 min Scan# 1623

Delta R.T. 0.000 min

Lab File: BN038212.D

Acq: 26 Nov 2025 20:35

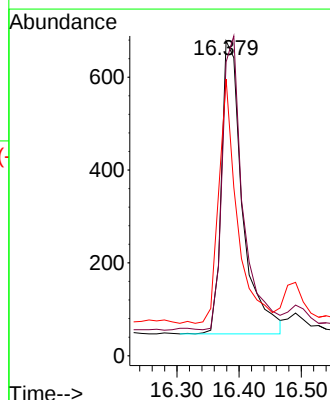
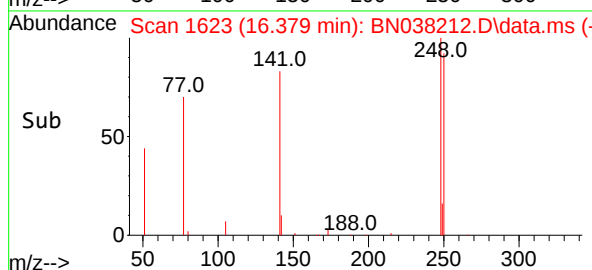
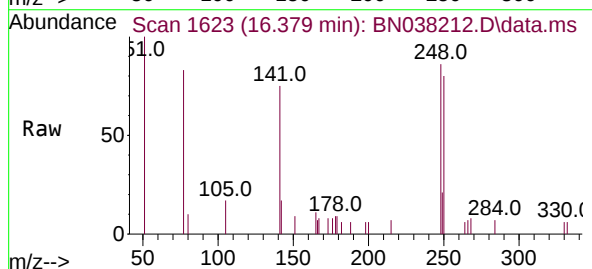
Tgt Ion:248 Resp: 1492

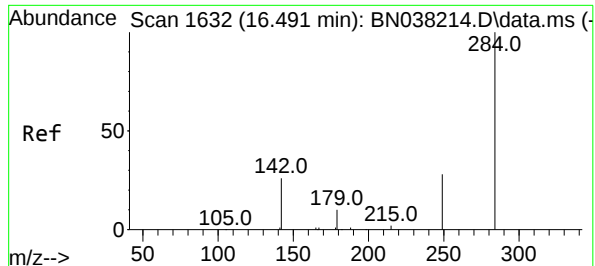
Ion Ratio Lower Upper

248 100

250 93.4 80.8 121.2

141 87.9 41.0 61.6#





#22

Hexachlorobenzene

Concen: 0.111 ng

RT: 16.491 min Scan# 1632

Delta R.T. 0.000 min

Lab File: BN038212.D

Acq: 26 Nov 2025 20:35

Instrument :

BNA_N

ClientSampleId :

SSTDICC0.1

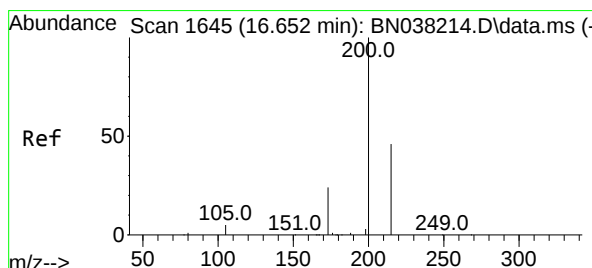
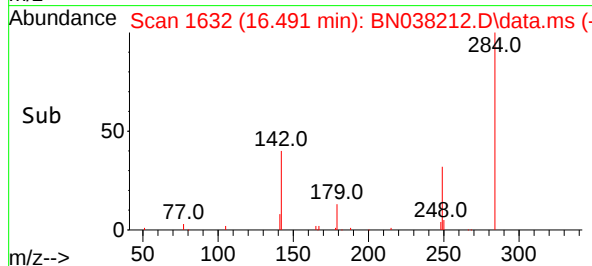
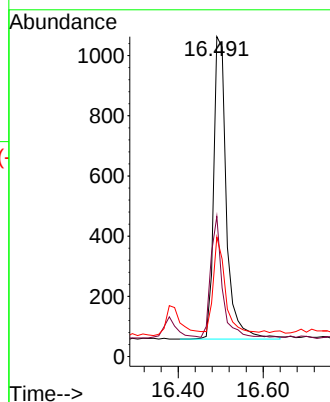
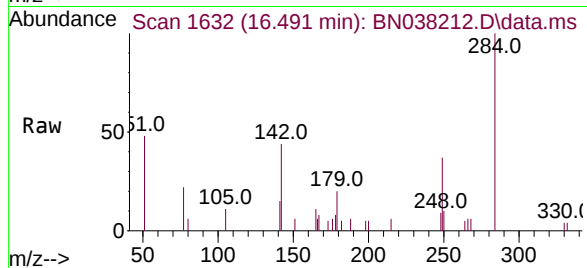
Tgt Ion:284 Resp: 2097

Ion Ratio Lower Upper

284 100

142 36.2 30.5 45.7

249 29.5 23.8 35.8



#23

Atrazine

Concen: 0.093 ng

RT: 16.652 min Scan# 1645

Delta R.T. 0.000 min

Lab File: BN038212.D

Acq: 26 Nov 2025 20:35

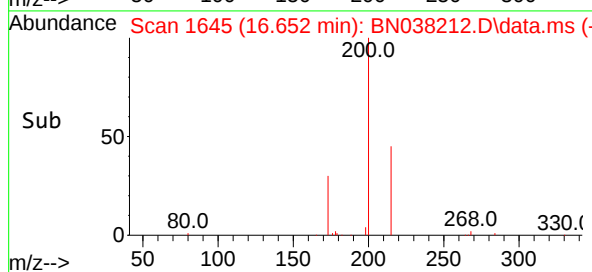
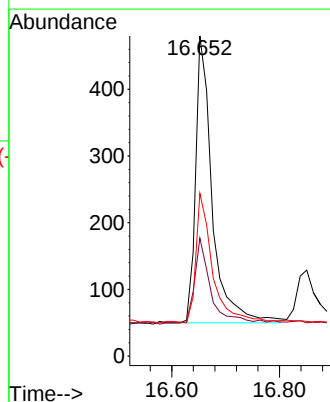
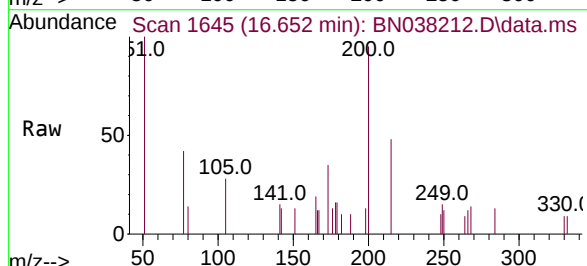
Tgt Ion:200 Resp: 918

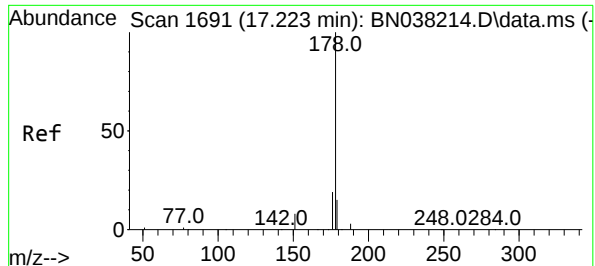
Ion Ratio Lower Upper

200 100

173 36.9 21.0 31.6#

215 50.8 37.8 56.8

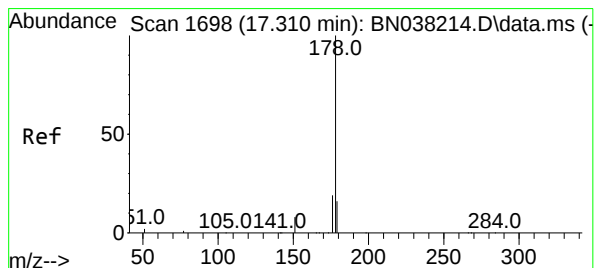
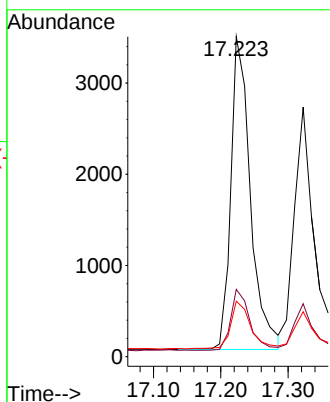
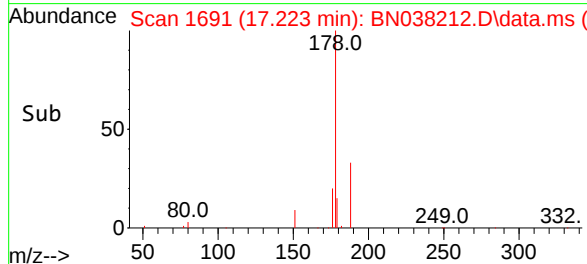
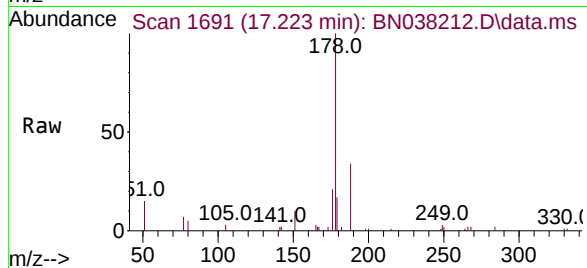




#25
Phenanthrene
Concen: 0.099 ng
RT: 17.223 min Scan# 1691
Delta R.T. 0.000 min
Lab File: BN038212.D
Acq: 26 Nov 2025 20:35

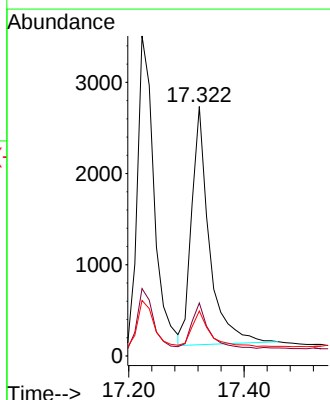
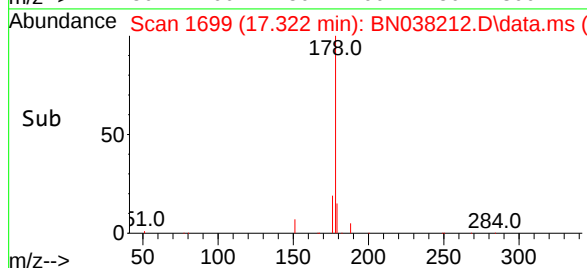
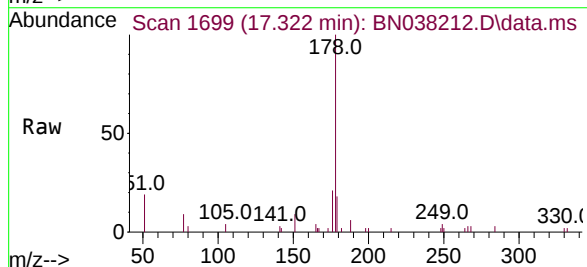
Instrument :
BNA_N
ClientSampleId :
SSTDICC0.1

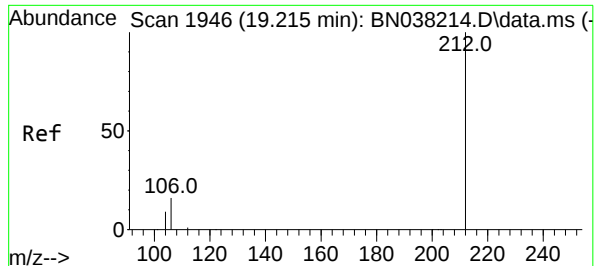
Tgt Ion:178 Resp: 6934
Ion Ratio Lower Upper
178 100
176 19.1 15.3 22.9
179 15.6 12.0 18.0



#26
Anthracene
Concen: 0.093 ng
RT: 17.322 min Scan# 1699
Delta R.T. 0.013 min
Lab File: BN038212.D
Acq: 26 Nov 2025 20:35

Tgt Ion:178 Resp: 5536
Ion Ratio Lower Upper
178 100
176 18.7 14.7 22.1
179 15.5 12.3 18.5





#27

Fluoranthene-d10

Concen: 0.098 ng

RT: 19.220 min Scan# 1947

Delta R.T. 0.005 min

Lab File: BN038212.D

Acq: 26 Nov 2025 20:35

Instrument :

BNA_N

ClientSampleId :

SSTDICC0.1

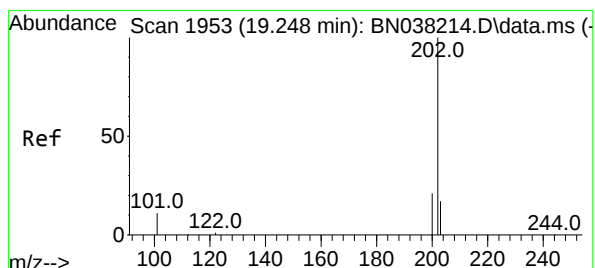
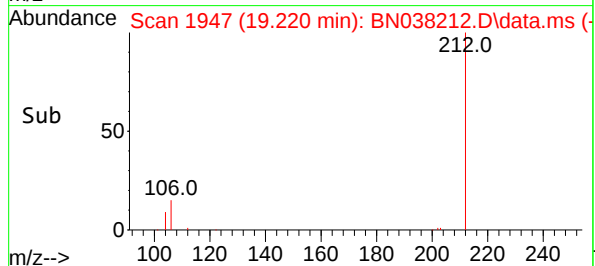
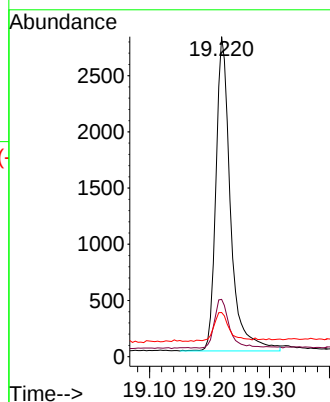
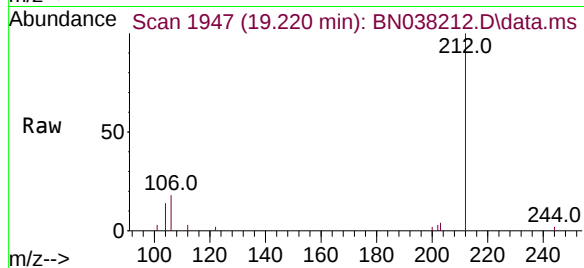
Tgt Ion:212 Resp: 4740

Ion Ratio Lower Upper

212 100

106 15.8 12.7 19.1

104 9.8 7.3 10.9



#28

Fluoranthene

Concen: 0.097 ng

RT: 19.253 min Scan# 1954

Delta R.T. 0.005 min

Lab File: BN038212.D

Acq: 26 Nov 2025 20:35

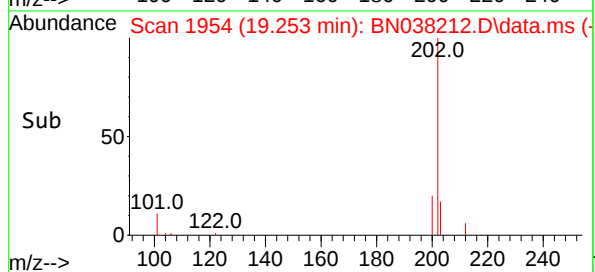
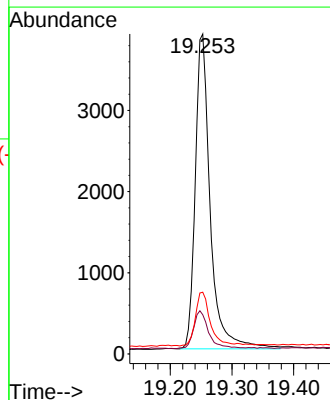
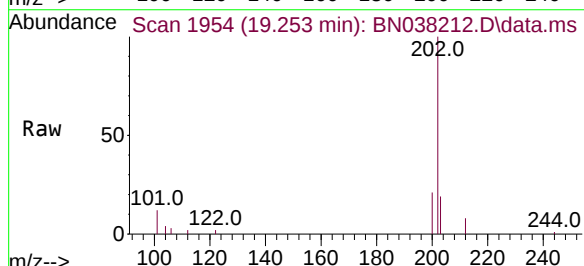
Tgt Ion:202 Resp: 6527

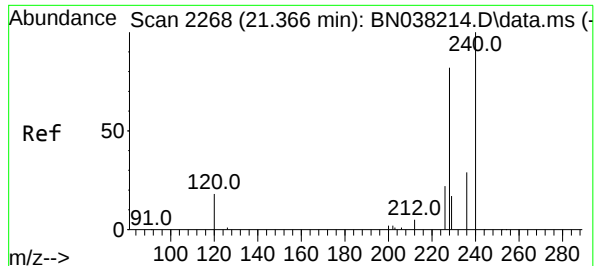
Ion Ratio Lower Upper

202 100

101 11.9 9.8 14.6

203 16.8 13.6 20.4





#29

Chrysene-d12

Concen: 0.400 ng

RT: 21.375 min Scan# 21

Delta R.T. 0.009 min

Lab File: BN038212.D

Acq: 26 Nov 2025 20:35

Instrument :

BNA_N

ClientSampleId :

SSTDICC0.1

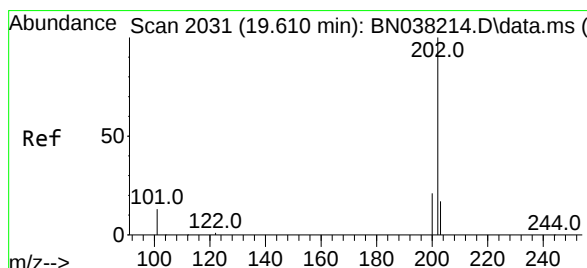
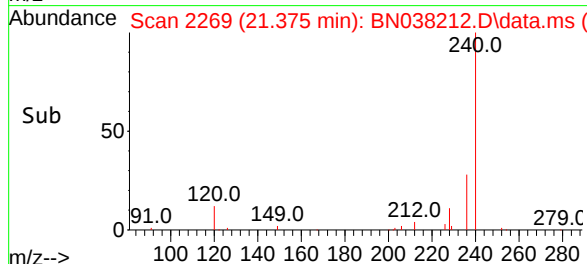
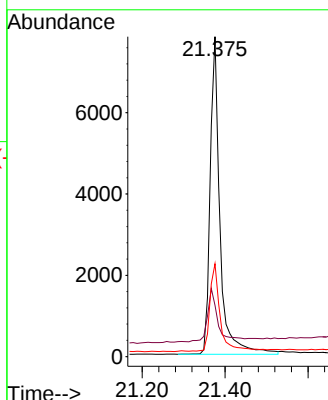
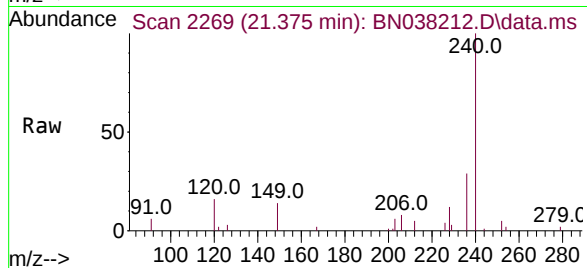
Tgt Ion:240 Resp: 12844

Ion Ratio Lower Upper

240 100

120 16.0 18.1 27.1#

236 29.0 24.2 36.4



#30

Pyrene

Concen: 0.103 ng

RT: 19.610 min Scan# 2031

Delta R.T. 0.000 min

Lab File: BN038212.D

Acq: 26 Nov 2025 20:35

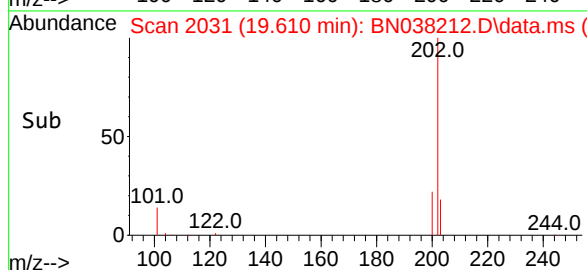
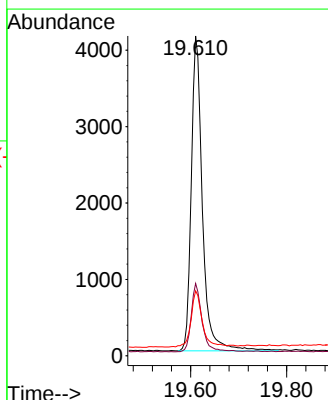
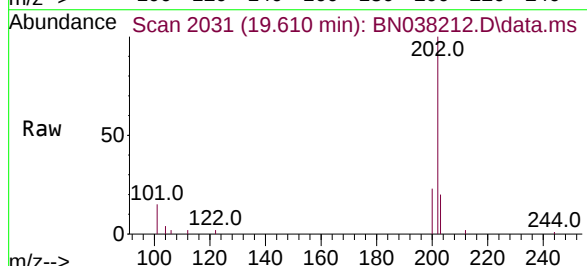
Tgt Ion:202 Resp: 6634

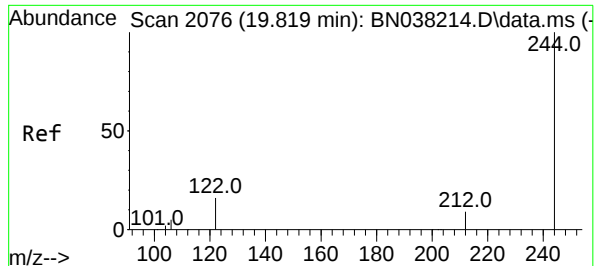
Ion Ratio Lower Upper

202 100

200 20.9 16.8 25.2

203 18.0 14.4 21.6

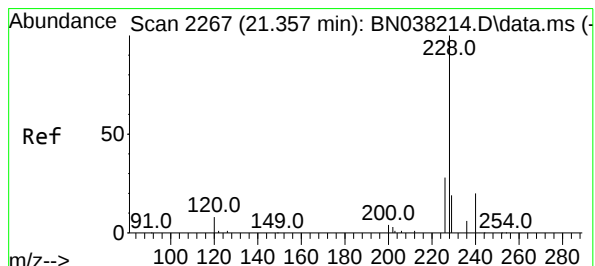
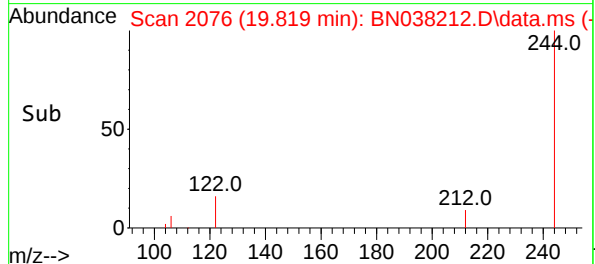
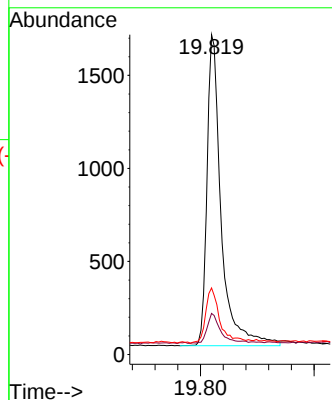
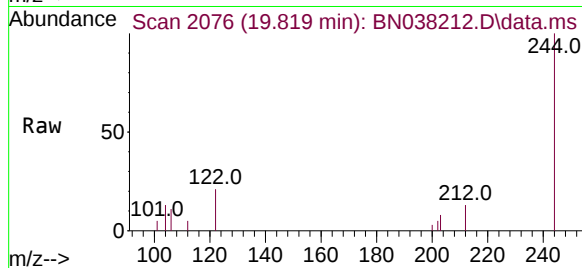




#31
Terphenyl-d14
Concen: 0.098 ng
RT: 19.819 min Scan# 2076
Delta R.T. 0.000 min
Lab File: BN038212.D
Acq: 26 Nov 2025 20:35

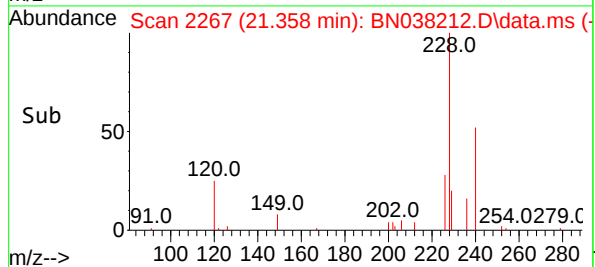
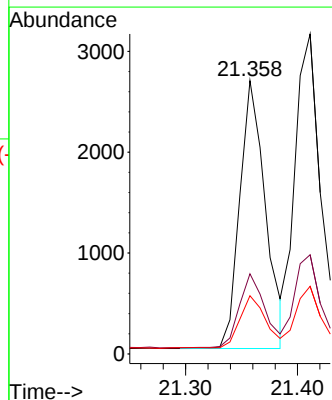
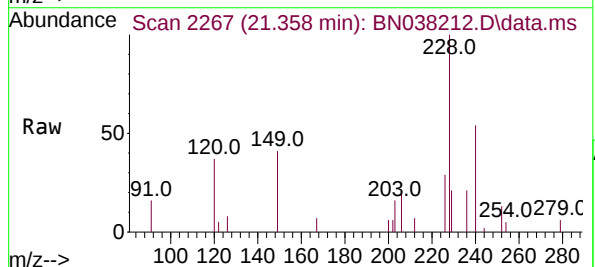
Instrument :
BNA_N
ClientSampleId :
SSTDICC0.1

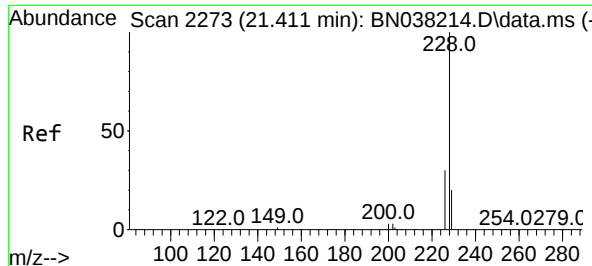
Tgt Ion	Ratio	Lower	Upper
244	100		
212	12.9	7.7	11.5#
122	20.8	13.6	20.4#



#32
Benzo(a)anthracene
Concen: 0.097 ng
RT: 21.358 min Scan# 2267
Delta R.T. 0.000 min
Lab File: BN038212.D
Acq: 26 Nov 2025 20:35

Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.3	22.6	33.8
229	21.3	15.8	23.8





#33

Chrysene

Concen: 0.109 ng

RT: 21.411 min Scan# 21

Delta R.T. 0.000 min

Lab File: BN038212.D

Acq: 26 Nov 2025 20:35

Instrument :

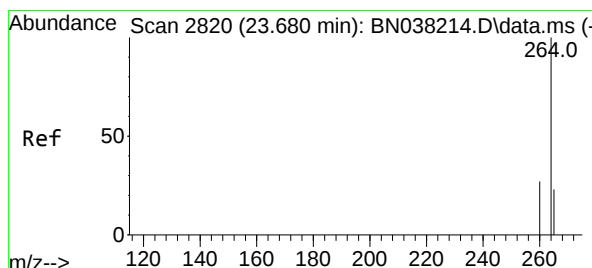
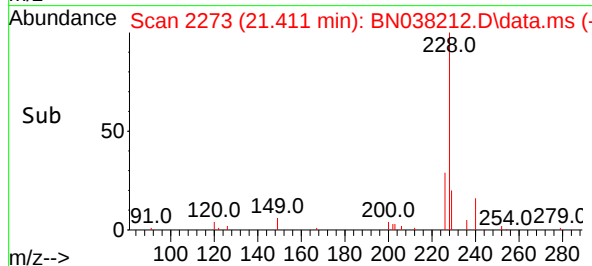
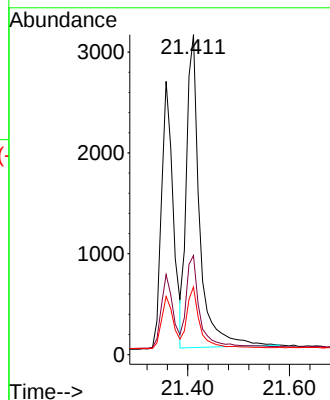
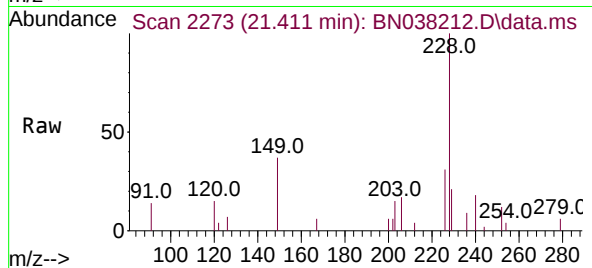
BNA_N

ClientSampleId :

SSTDICC0.1

Tgt Ion:228 Resp: 5593

Ion	Ratio	Lower	Upper
228	100		
226	31.0	23.8	35.8
229	21.1	16.1	24.1



#35

Perylene-d12

Concen: 0.400 ng

RT: 23.683 min Scan# 2821

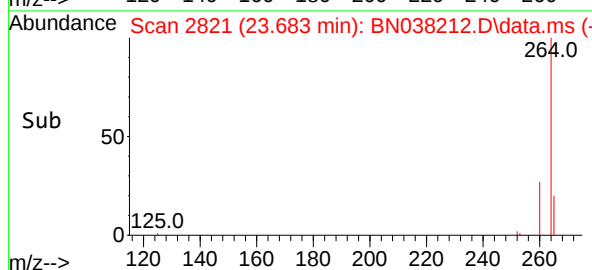
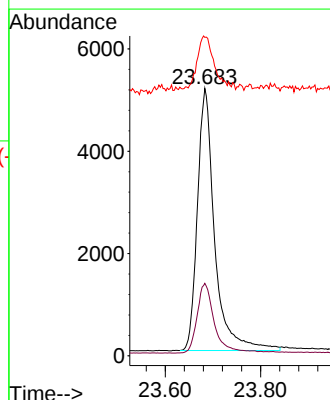
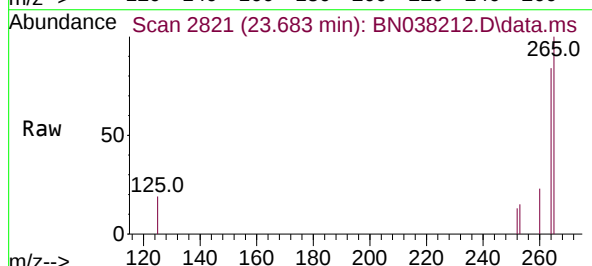
Delta R.T. 0.003 min

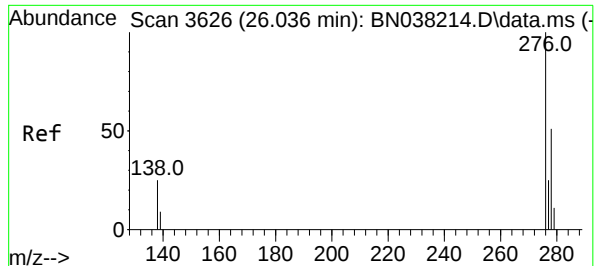
Lab File: BN038212.D

Acq: 26 Nov 2025 20:35

Tgt Ion:264 Resp: 12898

Ion	Ratio	Lower	Upper
264	100		
260	27.1	21.7	32.5
265	119.1	98.0	147.0





#36

Indeno(1,2,3-cd)pyrene

Concen: 0.094 ng

RT: 26.045 min Scan# 3626

Delta R.T. 0.009 min

Lab File: BN038212.D

Acq: 26 Nov 2025 20:35

Instrument :

BNA_N

ClientSampleId :

SSTDIC0.1

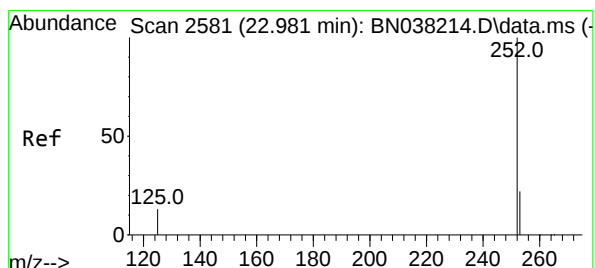
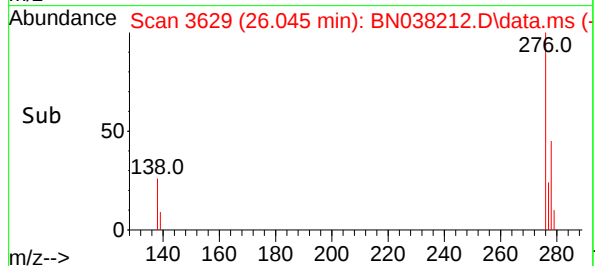
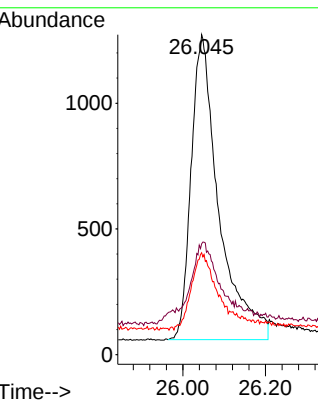
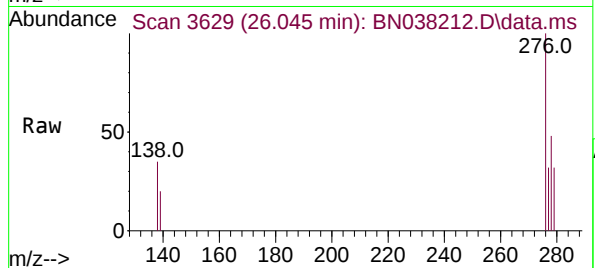
Tgt Ion:276 Resp: 5633

Ion Ratio Lower Upper

276 100

138 20.5 21.4 32.2#

277 22.5 19.1 28.7



#37

Benzo(b)fluoranthene

Concen: 0.095 ng

RT: 22.987 min Scan# 2583

Delta R.T. 0.006 min

Lab File: BN038212.D

Acq: 26 Nov 2025 20:35

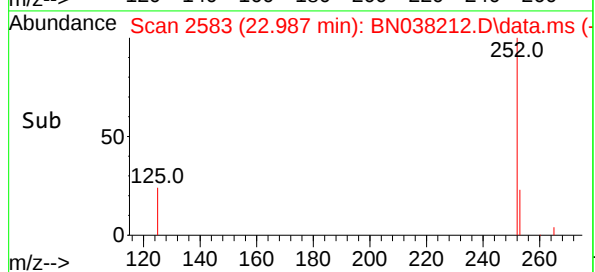
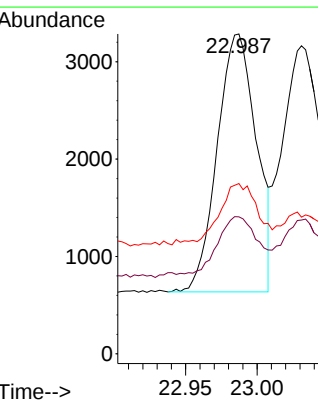
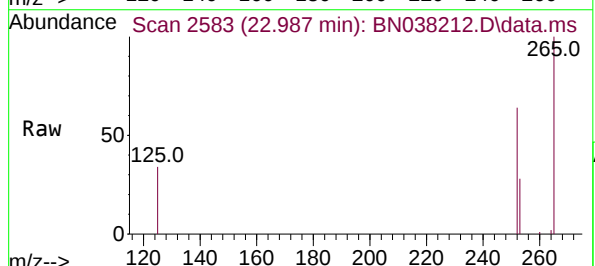
Tgt Ion:252 Resp: 5040

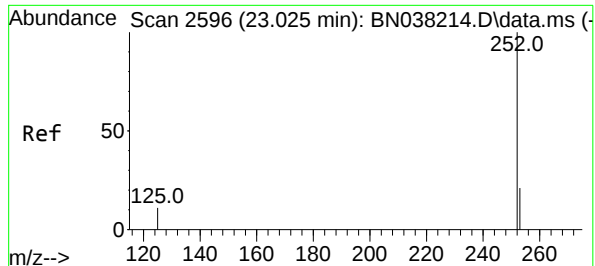
Ion Ratio Lower Upper

252 100

253 42.8 22.2 33.4#

125 53.2 18.0 27.0#





#38

Benzo(k)fluoranthene

Concen: 0.095 ng

RT: 23.031 min Scan# 21

Delta R.T. 0.006 min

Lab File: BN038212.D

Acq: 26 Nov 2025 20:35

Instrument :

BNA_N

ClientSampleId :

SSTDICC0.1

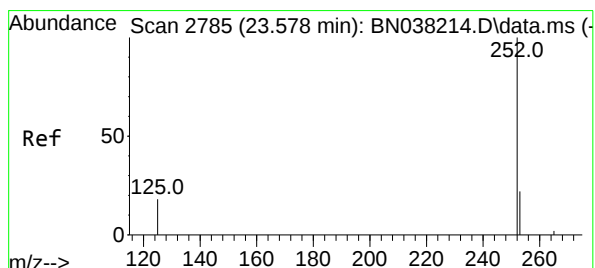
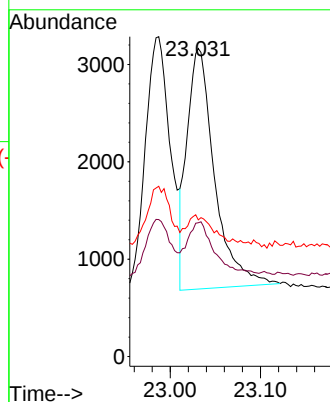
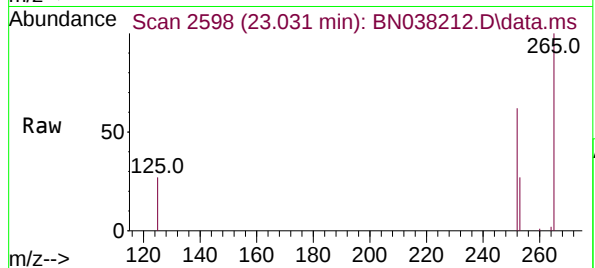
Tgt Ion:252 Resp: 5245

Ion Ratio Lower Upper

252 100

253 43.4 22.4 33.6#

125 44.4 17.5 26.3#



#39

Benzo(a)pyrene

Concen: 0.103 ng

RT: 23.587 min Scan# 2788

Delta R.T. 0.009 min

Lab File: BN038212.D

Acq: 26 Nov 2025 20:35

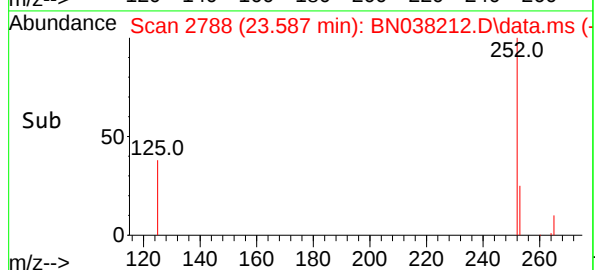
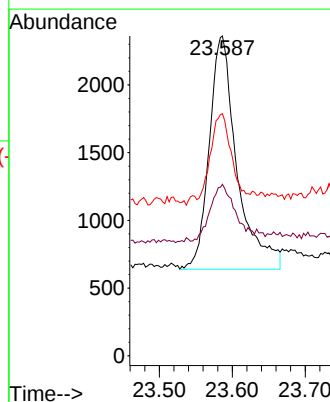
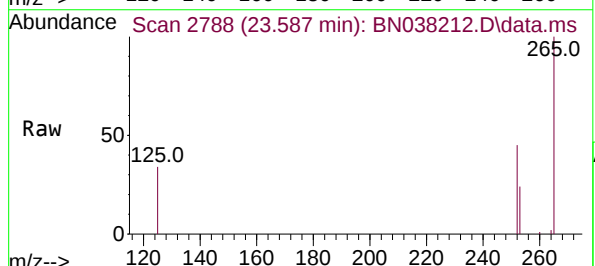
Tgt Ion:252 Resp: 4558

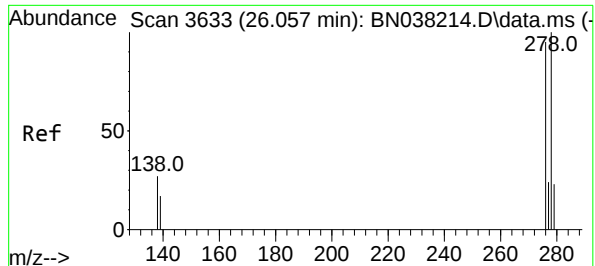
Ion Ratio Lower Upper

252 100

253 53.6 25.3 37.9#

125 75.7 25.2 37.8#





#40

Dibenzo(a,h)anthracene

Concen: 0.090 ng

RT: 26.069 min Scan# 3633

Delta R.T. 0.012 min

Lab File: BN038212.D

Acq: 26 Nov 2025 20:35

Instrument :

BNA_N

ClientSampleId :

SSTDICC0.1

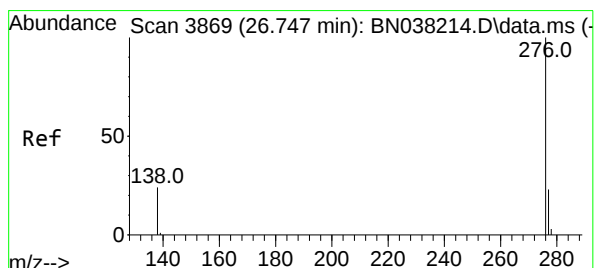
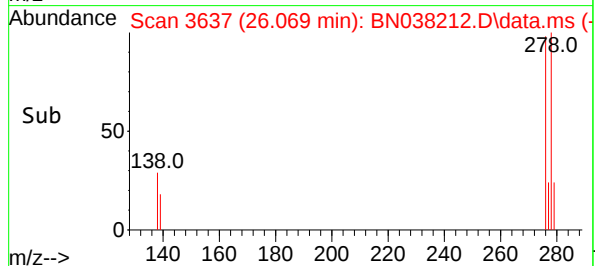
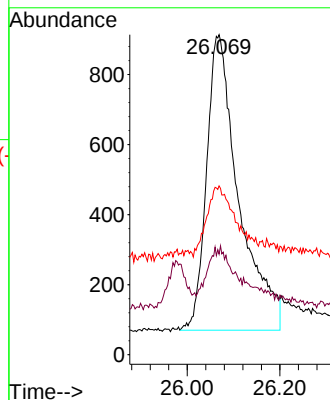
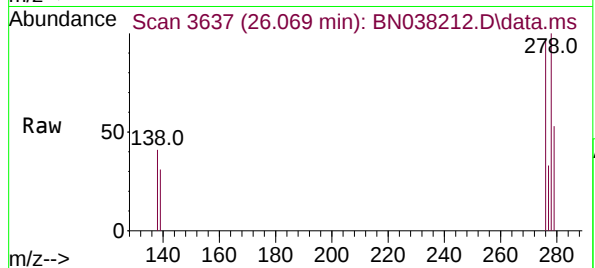
Tgt Ion:278 Resp: 4077

Ion Ratio Lower Upper

278 100

139 31.4 17.6 26.4#

279 52.7 24.2 36.4#



#41

Benzo(g,h,i)perylene

Concen: 0.103 ng m

RT: 26.753 min Scan# 3871

Delta R.T. 0.006 min

Lab File: BN038212.D

Acq: 26 Nov 2025 20:35

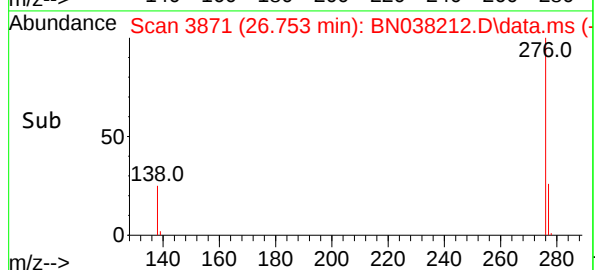
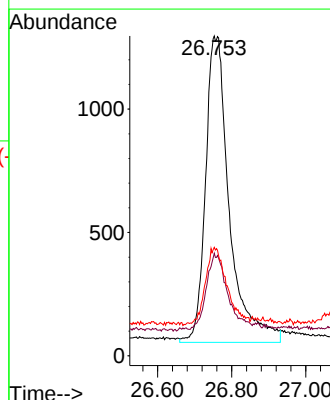
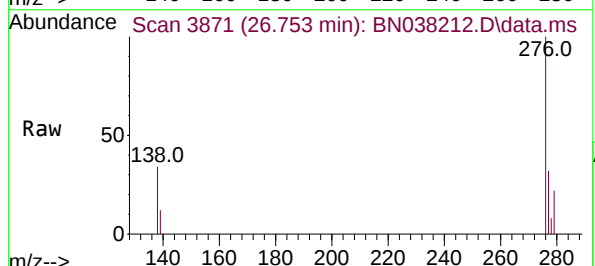
Tgt Ion:276 Resp: 5553

Ion Ratio Lower Upper

276 100

277 32.1 20.2 30.2#

138 33.9 20.8 31.2#



Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN112725\
 Data File : BN038213.D
 Acq On : 26 Nov 2025 21:12
 Operator : RC/JU
 Sample : SSTDICC0.2
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 SSTDICC0.2

Quant Time: Nov 28 20:54:28 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN112725.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Nov 28 20:22:09 2025
 Response via : Initial Calibration

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

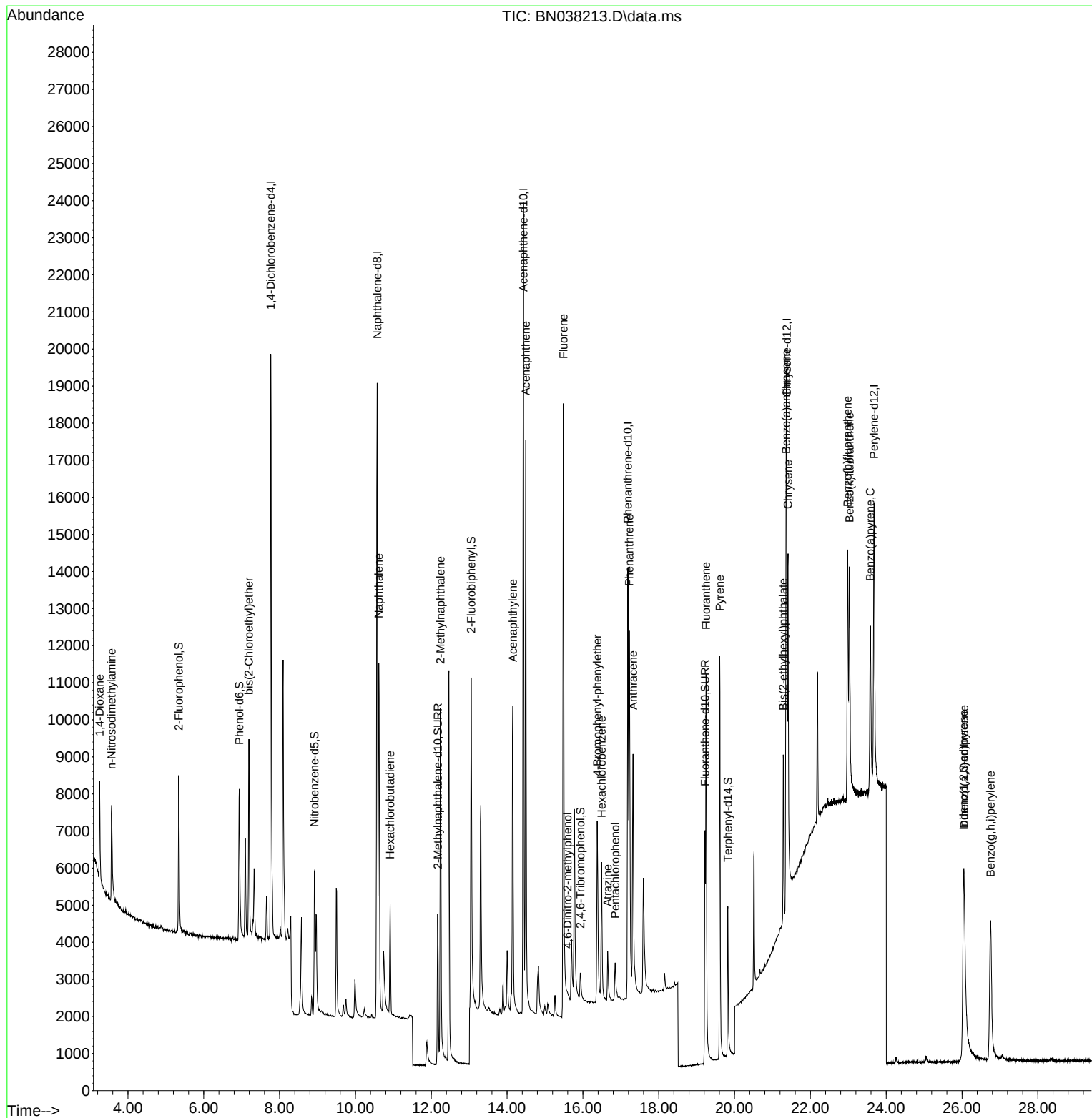
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.768	152	8206	0.400	ng	0.00
7) Naphthalene-d8	10.573	136	24762	0.400	ng	0.00
13) Acenaphthene-d10	14.430	164	13187	0.400	ng	0.00
19) Phenanthrene-d10	17.186	188	19574	0.400	ng	# 0.00
29) Chrysene-d12	21.375	240	12487	0.400	ng	# 0.00
35) Perylene-d12	23.680	264	12455	0.400	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.341	112	3817	0.199	ng	0.00
5) Phenol-d6	6.937	99	4526	0.189	ng	0.00
8) Nitrobenzene-d5	8.918	82	3887	0.196	ng	0.00
11) 2-Methylnaphthalene-d10	12.172	152	6785	0.193	ng	0.00
14) 2,4,6-Tribromophenol	15.932	330	657	0.158	ng	0.00
15) 2-Fluorobiphenyl	13.051	172	10212	0.200	ng	0.00
27) Fluoranthene-d10	19.220	212	8268	0.195	ng	0.00
31) Terphenyl-d14	19.824	244	5290	0.183	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.254	88	1986	0.230	ng	90
3) n-Nitrosodimethylamine	3.564	42	2003	0.188	ng	97
6) bis(2-Chloroethyl)ether	7.190	93	4586	0.200	ng	98
9) Naphthalene	10.616	128	13644	0.198	ng	99
10) Hexachlorobutadiene	10.914	225	2378	0.203	ng	# 98
12) 2-Methylnaphthalene	12.243	142	8631	0.191	ng	99
16) Acenaphthylene	14.152	152	11108	0.188	ng	99
17) Acenaphthene	14.494	154	7968	0.194	ng	98
18) Fluorene	15.489	166	9508	0.179	ng	98
20) 4,6-Dinitro-2-methylph...	15.597	198	206	0.227	ng	# 1
21) 4-Bromophenyl-phenylether	16.379	248	2619	0.193	ng	# 85
22) Hexachlorobenzene	16.491	284	3585	0.215	ng	99
23) Atrazine	16.652	200	1535	0.177	ng	# 95
24) Pentachlorophenol	16.851	266	882	0.193	ng	94
25) Phenanthrene	17.223	178	11817	0.192	ng	99
26) Anthracene	17.322	178	9765	0.186	ng	100
28) Fluoranthene	19.248	202	11226	0.190	ng	99
30) Pyrene	19.610	202	11263	0.181	ng	100
32) Benzo(a)anthracene	21.357	228	7938	0.188	ng	98
33) Chrysene	21.411	228	10232	0.205	ng	98
34) Bis(2-ethylhexyl)phtha...	21.286	149	4872	0.210	ng	100
36) Indeno(1,2,3-cd)pyrene	26.039	276	10679	0.185	ng	96
37) Benzo(b)fluoranthene	22.984	252	9683	0.189	ng	# 84
38) Benzo(k)fluoranthene	23.028	252	10204	0.192	ng	# 86
39) Benzo(a)pyrene	23.581	252	7993	0.187	ng	# 76
40) Dibenzo(a,h)anthracene	26.054	278	7682	0.176	ng	# 86
41) Benzo(g,h,i)perylene	26.753	276	9876	0.190	ng	97

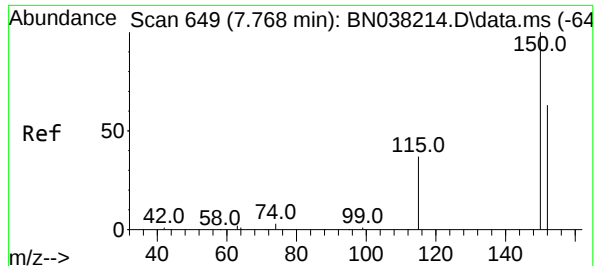
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN112725\
Data File : BN038213.D
Acq On : 26 Nov 2025 21:12
Operator : RC/JU
Sample : SSTDICC0.2
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.2

Quant Time: Nov 28 20:54:28 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN112725.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Nov 28 20:22:09 2025
Response via : Initial Calibration

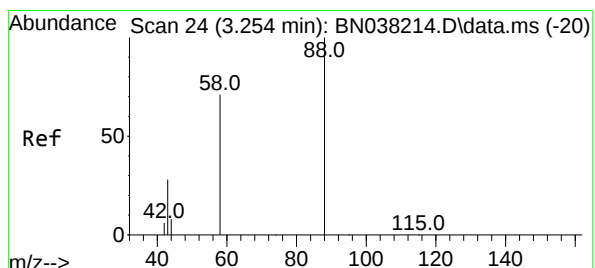
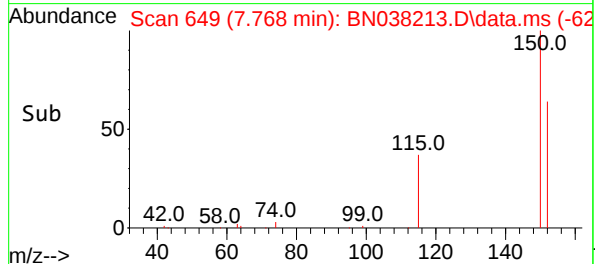
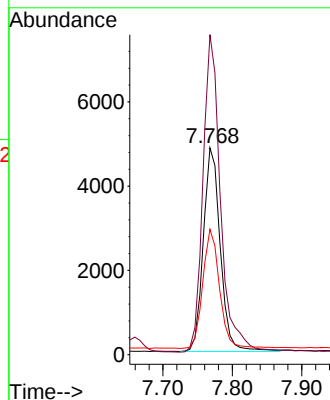
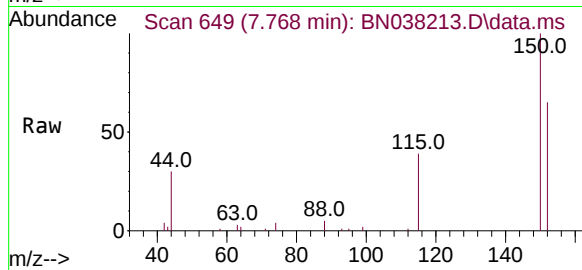




#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.768 min Scan# 64
Delta R.T. -0.000 min
Lab File: BN038213.D
Acq: 26 Nov 2025 21:12

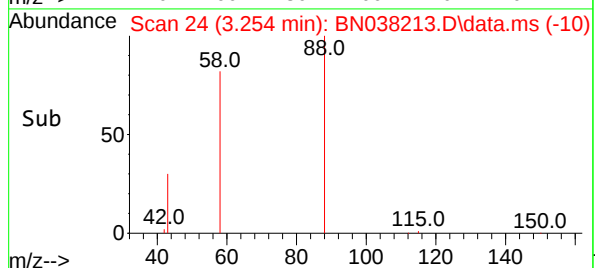
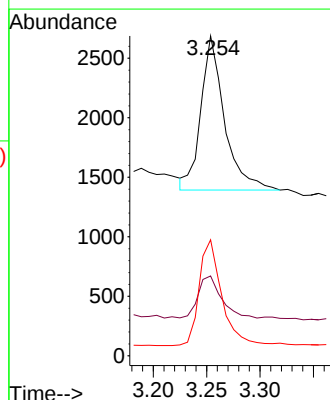
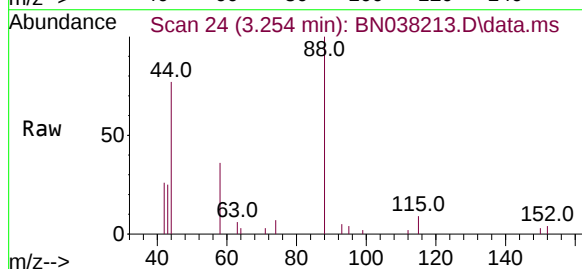
Instrument :
BNA_N
ClientSampleId :
SSTDICC0.2

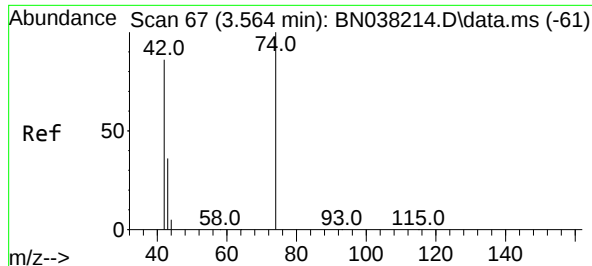
Tgt Ion:152 Resp: 8206
Ion Ratio Lower Upper
152 100
150 154.7 125.3 187.9
115 60.6 49.0 73.4



#2
1,4-Dioxane
Concen: 0.230 ng
RT: 3.254 min Scan# 24
Delta R.T. -0.000 min
Lab File: BN038213.D
Acq: 26 Nov 2025 21:12

Tgt Ion: 88 Resp: 1986
Ion Ratio Lower Upper
88 100
43 28.2 24.8 37.2
58 66.3 61.1 91.7

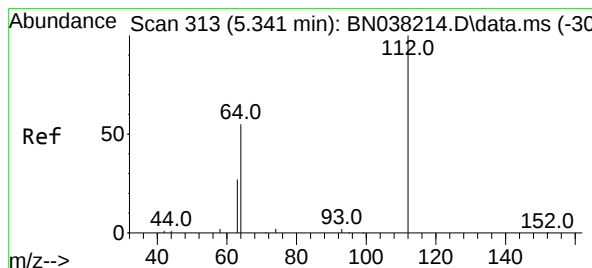
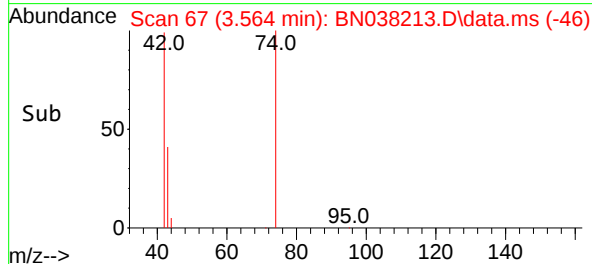
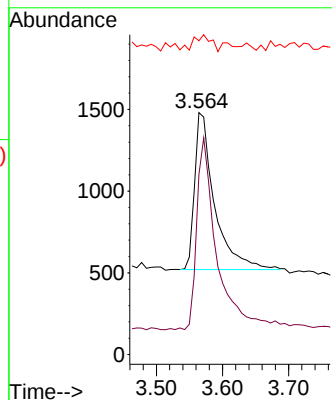
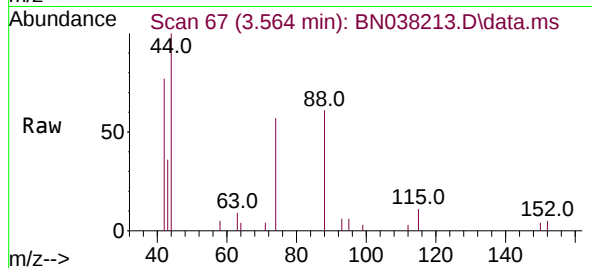




#3
n-Nitrosodimethylamine
Concen: 0.188 ng
RT: 3.564 min Scan# 61
Delta R.T. -0.000 min
Lab File: BN038213.D
Acq: 26 Nov 2025 21:12

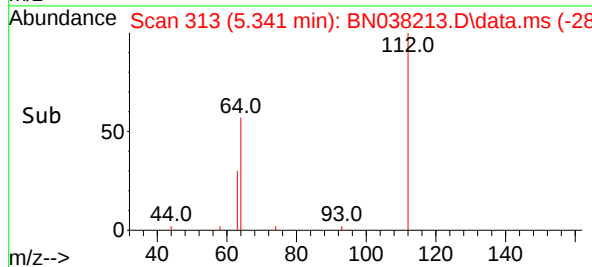
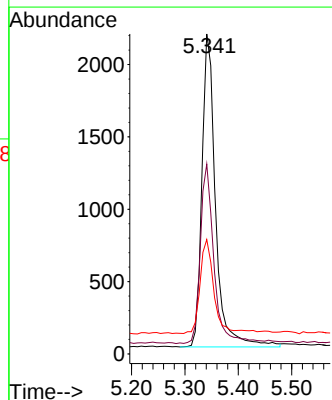
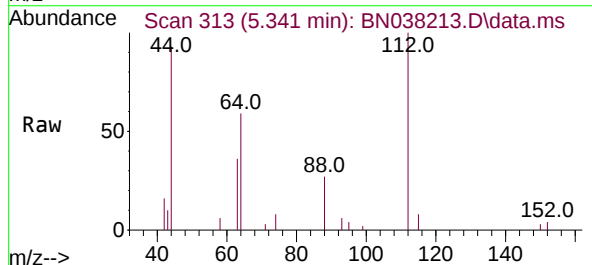
Instrument :
BNA_N
ClientSampleId :
SSTDICC0.2

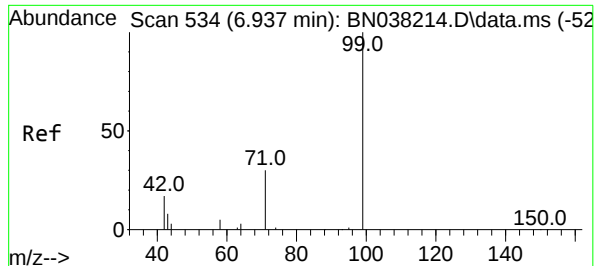
Tgt Ion: 42 Resp: 2003
Ion Ratio Lower Upper
42 100
74 124.3 96.2 144.2
44 9.6 8.0 12.0



#4
2-Fluorophenol
Concen: 0.199 ng
RT: 5.341 min Scan# 313
Delta R.T. -0.000 min
Lab File: BN038213.D
Acq: 26 Nov 2025 21:12

Tgt Ion: 112 Resp: 3817
Ion Ratio Lower Upper
112 100
64 57.3 45.0 67.4
63 30.5 23.2 34.8

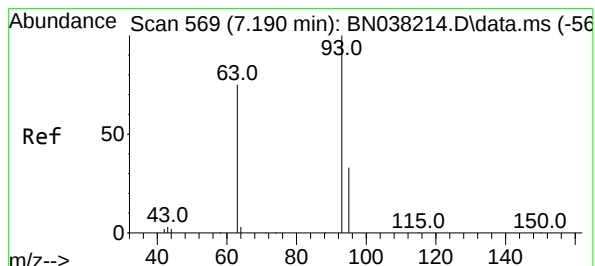
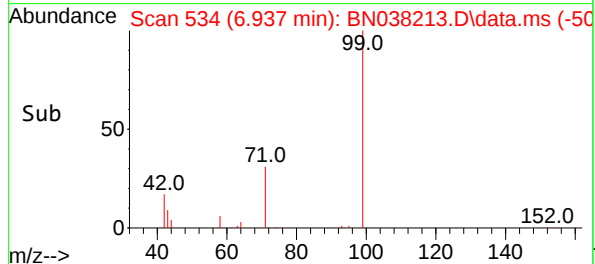
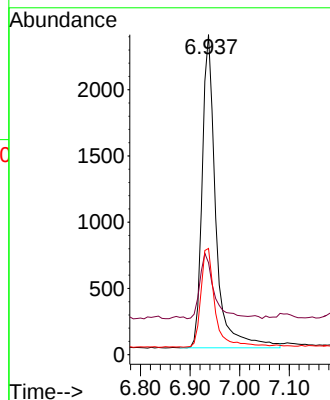
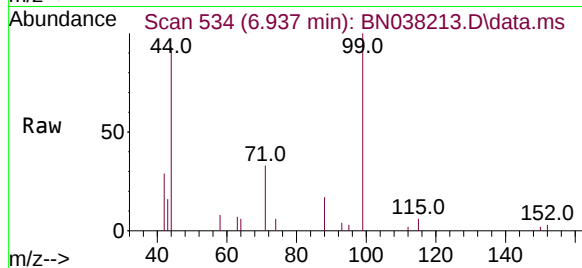




#5
Phenol-d6
Concen: 0.189 ng
RT: 6.937 min Scan# 534
Delta R.T. -0.000 min
Lab File: BN038213.D
Acq: 26 Nov 2025 21:12

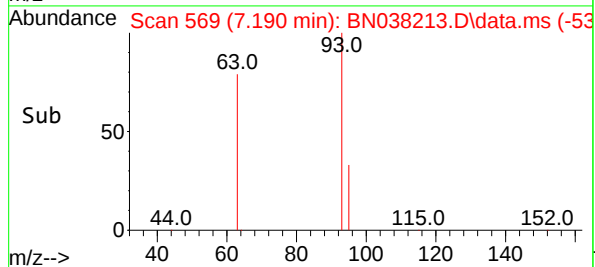
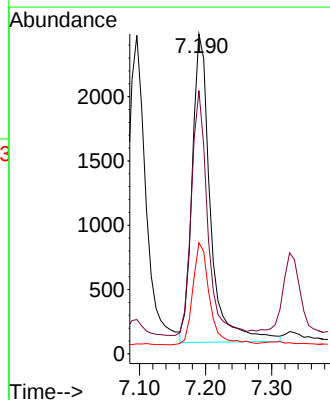
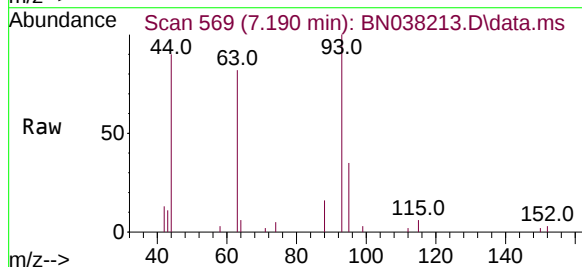
Instrument :
BNA_N
ClientSampleId :
SSTDICC0.2

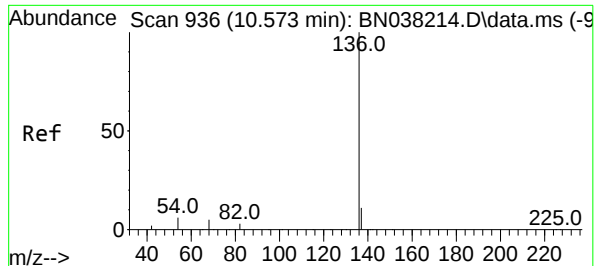
Tgt Ion	Ratio	Lower	Upper
99	100		
42	21.5	17.0	25.6
71	32.7	25.4	38.2



#6
bis(2-Chloroethyl)ether
Concen: 0.200 ng
RT: 7.190 min Scan# 569
Delta R.T. -0.000 min
Lab File: BN038213.D
Acq: 26 Nov 2025 21:12

Tgt Ion	Ratio	Lower	Upper
93	100		
63	70.6	58.1	87.1
95	30.7	25.1	37.7

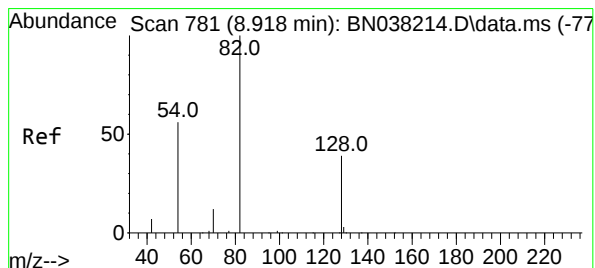
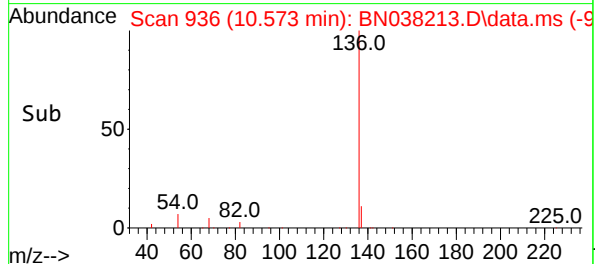
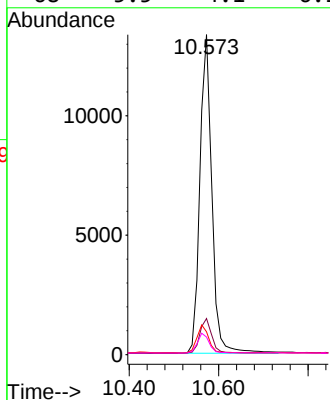
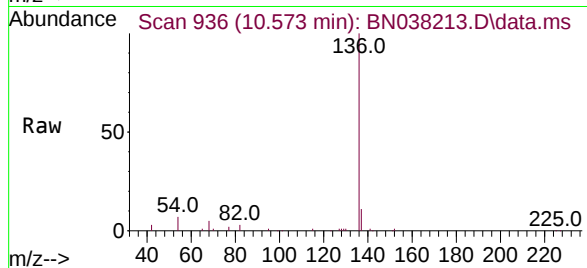




#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.573 min Scan# 936
Delta R.T. -0.000 min
Lab File: BN038213.D
Acq: 26 Nov 2025 21:12

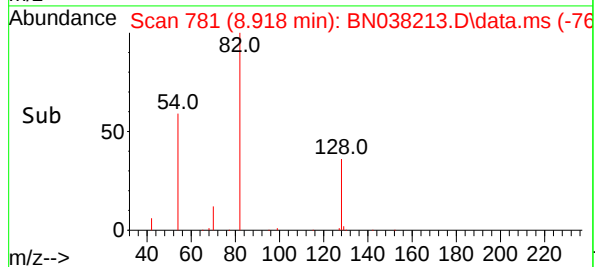
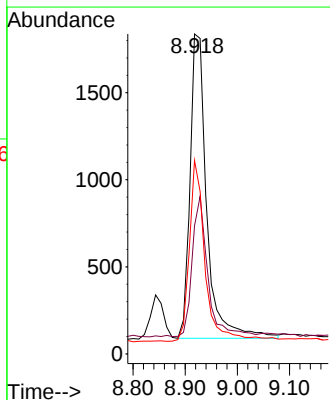
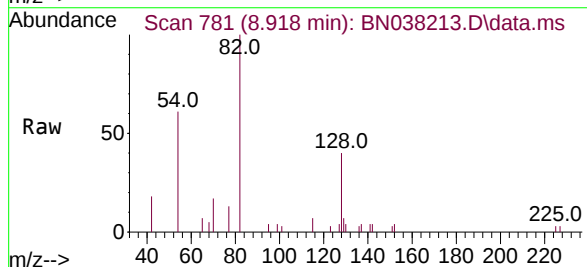
Instrument :
BNA_N
ClientSampleId :
SSTDICC0.2

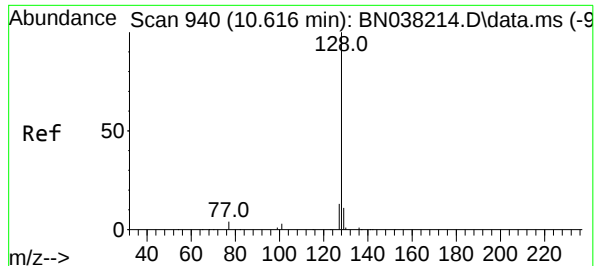
Tgt Ion:	136	Resp:	24762
Ion Ratio	Lower	Upper	
136	100		
137	11.3	8.9	13.3
54	7.1	5.4	8.0
68	5.5	4.1	6.1



#8
Nitrobenzene-d5
Concen: 0.196 ng
RT: 8.918 min Scan# 781
Delta R.T. -0.000 min
Lab File: BN038213.D
Acq: 26 Nov 2025 21:12

Tgt Ion:	82	Resp:	3887
Ion Ratio	Lower	Upper	
82	100		
128	40.0	32.6	48.8
54	60.5	45.4	68.0

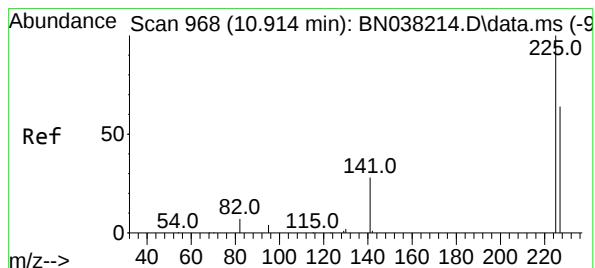
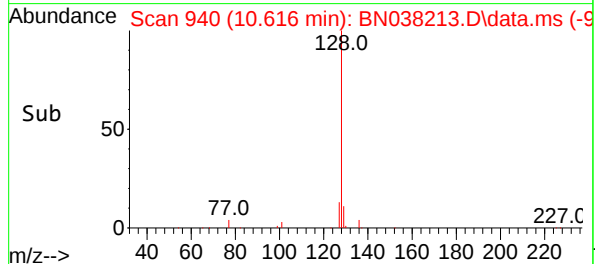
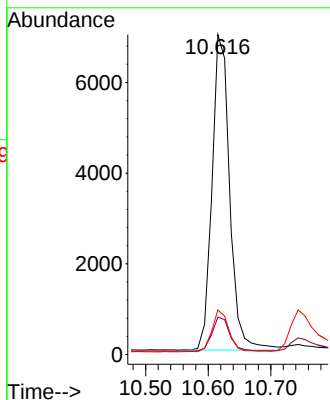
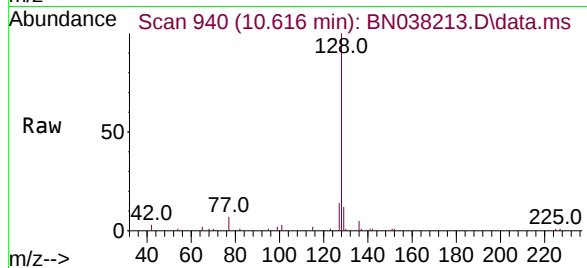




#9
Naphthalene
Concen: 0.198 ng
RT: 10.616 min Scan# 940
Delta R.T. -0.000 min
Lab File: BN038213.D
Acq: 26 Nov 2025 21:12

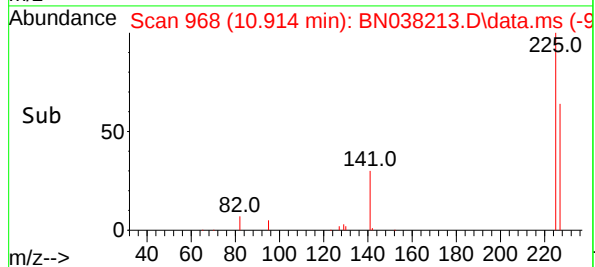
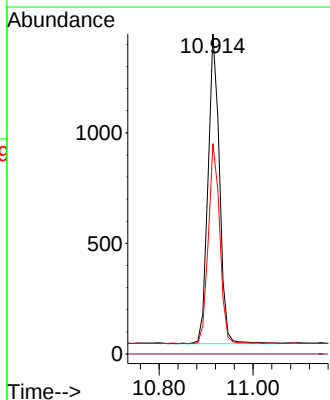
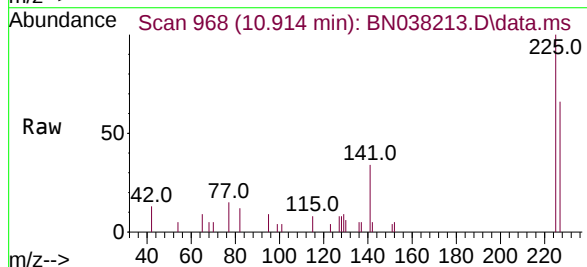
Instrument :
BNA_N
ClientSampleId :
SSTDICC0.2

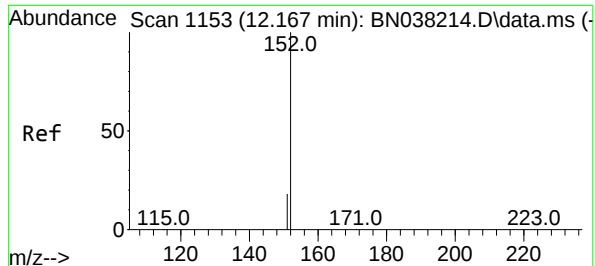
Tgt Ion:128 Resp: 13644
Ion Ratio Lower Upper
128 100
129 11.7 9.1 13.7
127 13.9 10.6 16.0



#10
Hexachlorobutadiene
Concen: 0.203 ng
RT: 10.914 min Scan# 968
Delta R.T. -0.000 min
Lab File: BN038213.D
Acq: 26 Nov 2025 21:12

Tgt Ion:225 Resp: 2378
Ion Ratio Lower Upper
225 100
223 0.0 0.0 0.0
227 64.4 50.5 75.7

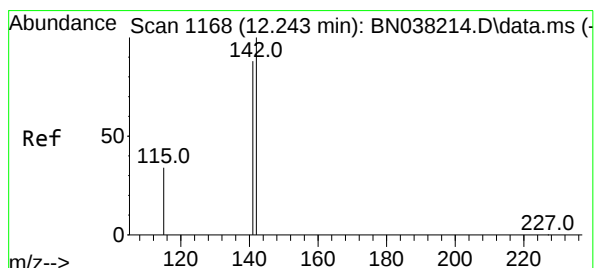
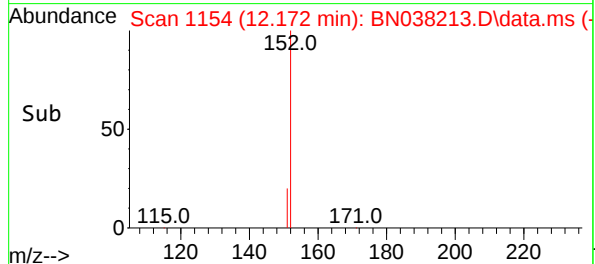
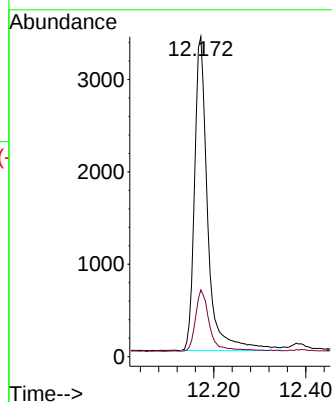
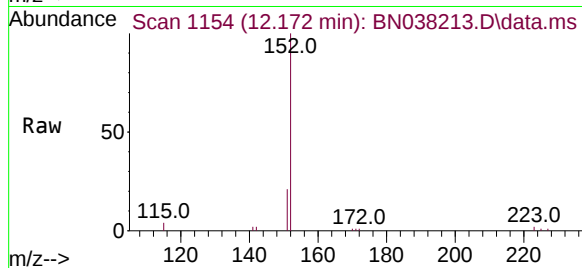




#11
2-Methylnaphthalene-d10
Concen: 0.193 ng
RT: 12.172 min Scan# 1154
Delta R.T. 0.005 min
Lab File: BN038213.D
Acq: 26 Nov 2025 21:12

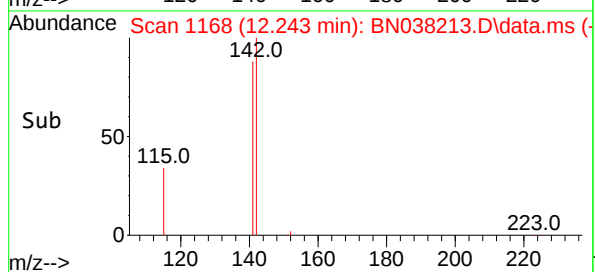
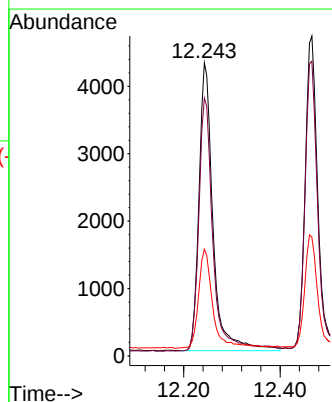
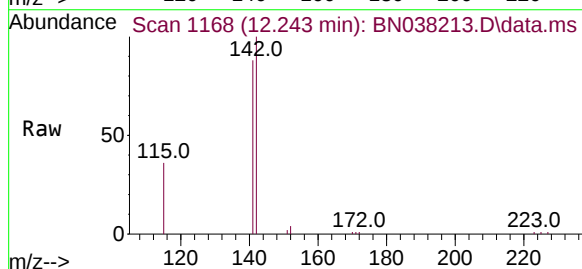
Instrument :
BNA_N
ClientSampleId :
SSTDICC0.2

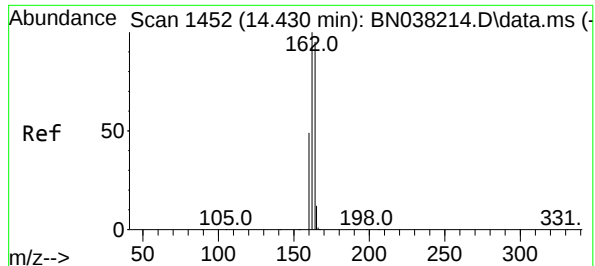
Tgt Ion:152 Resp: 6785
Ion Ratio Lower Upper
152 100
151 20.8 16.7 25.1



#12
2-Methylnaphthalene
Concen: 0.191 ng
RT: 12.243 min Scan# 1168
Delta R.T. -0.000 min
Lab File: BN038213.D
Acq: 26 Nov 2025 21:12

Tgt Ion:142 Resp: 8631
Ion Ratio Lower Upper
142 100
141 88.0 70.9 106.3
115 36.4 27.7 41.5

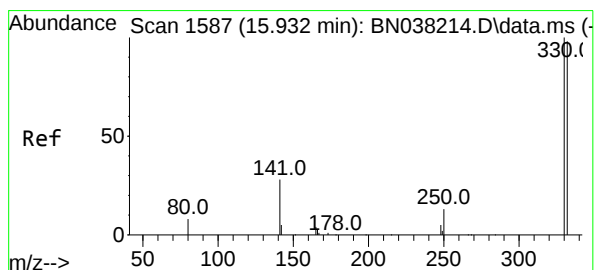
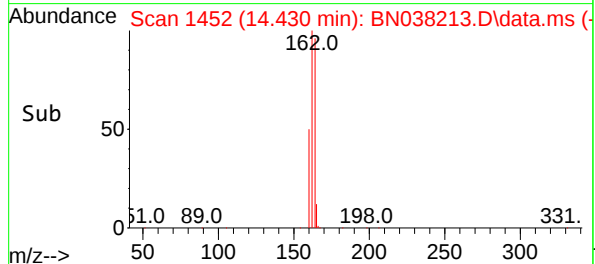
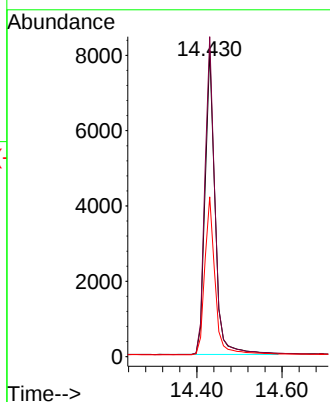
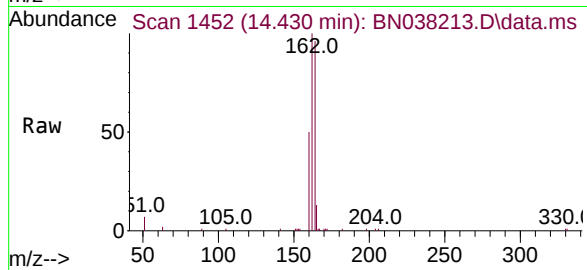




#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.430 min Scan# 1452
Delta R.T. -0.000 min
Lab File: BN038213.D
Acq: 26 Nov 2025 21:12

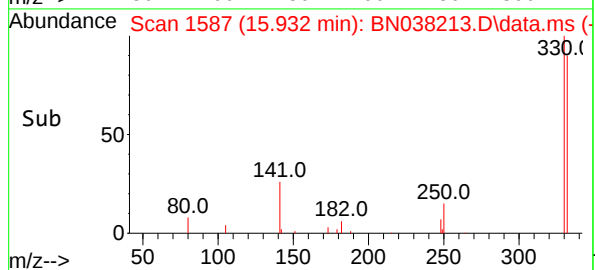
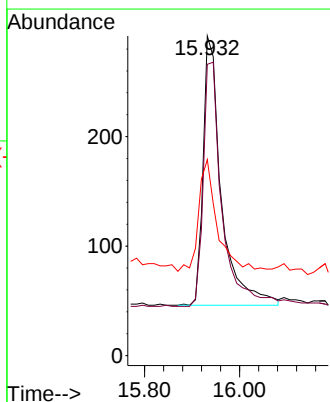
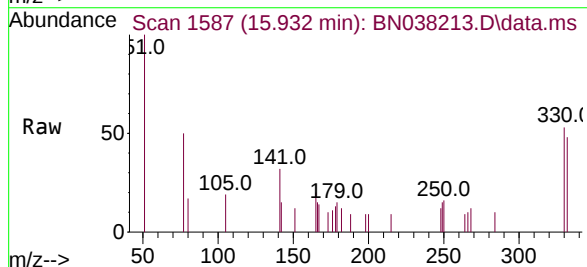
Instrument :
BNA_N
ClientSampleId :
SSTDICC0.2

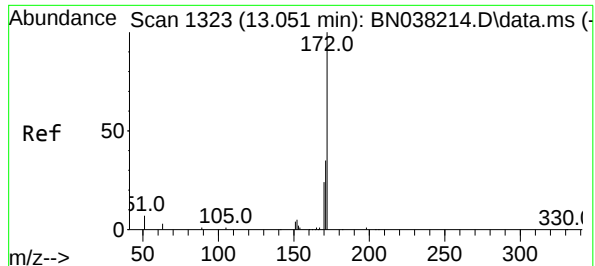
Tgt Ion:164 Resp: 13187
Ion Ratio Lower Upper
164 100
162 104.5 83.8 125.8
160 52.2 41.6 62.4



#14
2,4,6-Tribromophenol
Concen: 0.158 ng
RT: 15.932 min Scan# 1587
Delta R.T. 0.000 min
Lab File: BN038213.D
Acq: 26 Nov 2025 21:12

Tgt Ion:330 Resp: 657
Ion Ratio Lower Upper
330 100
332 93.0 77.8 116.6
141 42.0 33.0 49.4

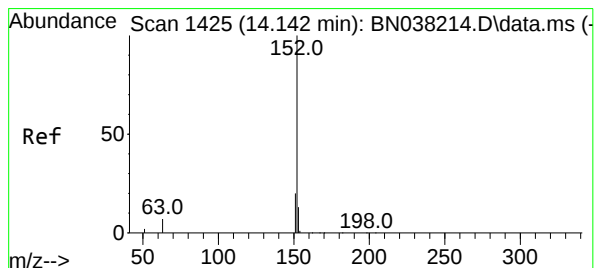
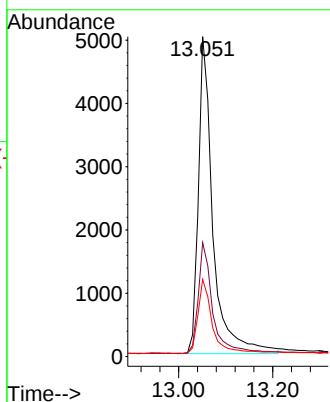
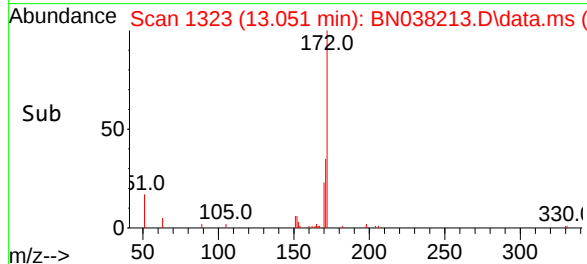
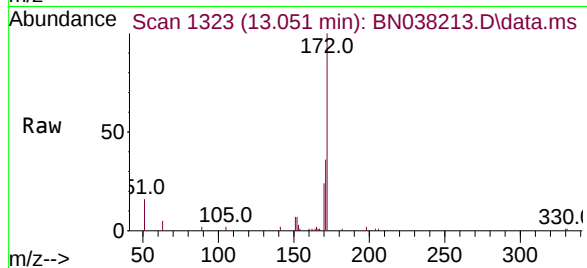




#15
2-Fluorobiphenyl
Concen: 0.200 ng
RT: 13.051 min Scan# 1323
Delta R.T. 0.000 min
Lab File: BN038213.D
Acq: 26 Nov 2025 21:12

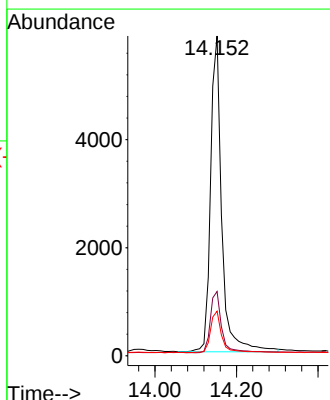
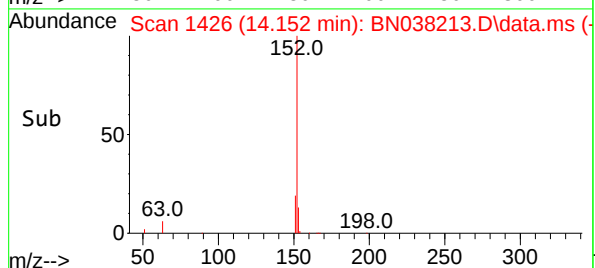
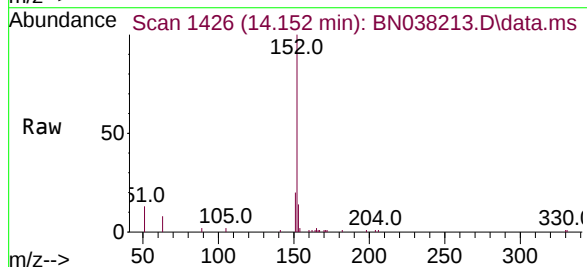
Instrument :
BNA_N
ClientSampleId :
SSTDICC0.2

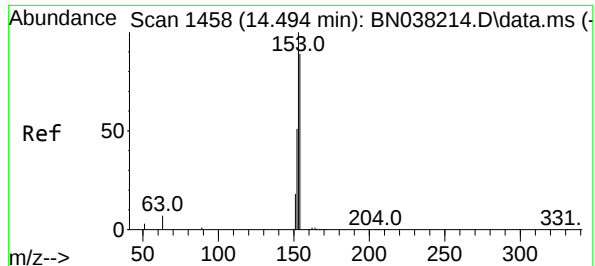
Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.6	28.1	42.1
170	24.1	19.1	28.7



#16
Acenaphthylene
Concen: 0.188 ng
RT: 14.152 min Scan# 1426
Delta R.T. 0.011 min
Lab File: BN038213.D
Acq: 26 Nov 2025 21:12

Tgt Ion	Ratio	Lower	Upper
152	100		
151	19.9	15.6	23.4
153	13.2	10.6	15.8

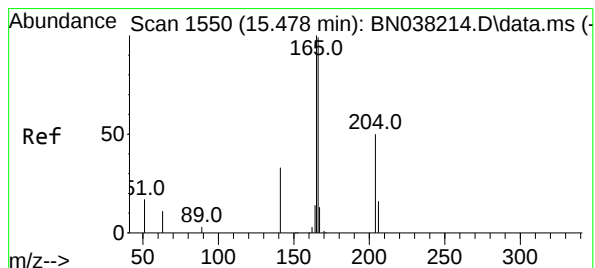
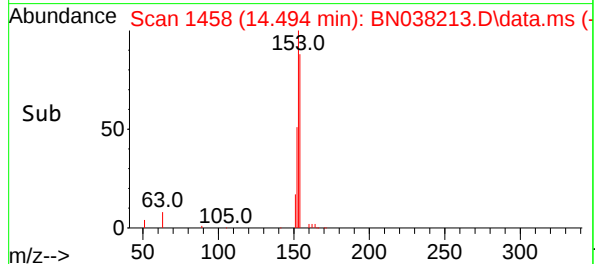
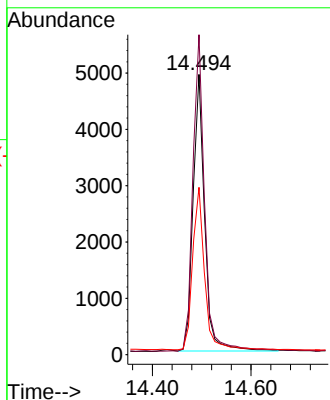
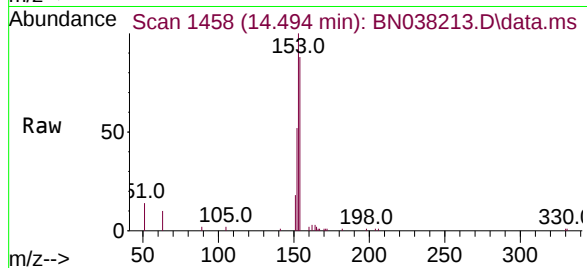




#17
Acenaphthene
Concen: 0.194 ng
RT: 14.494 min Scan# 1458
Delta R.T. -0.000 min
Lab File: BN038213.D
Acq: 26 Nov 2025 21:12

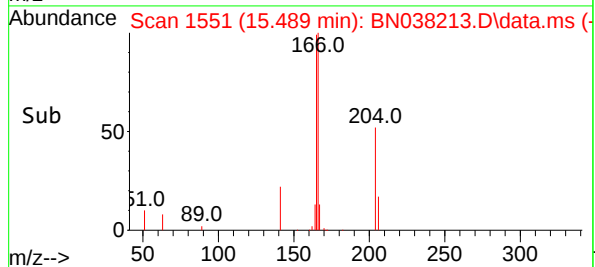
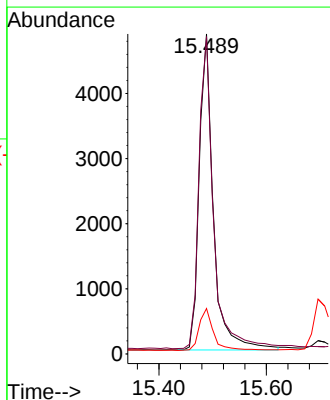
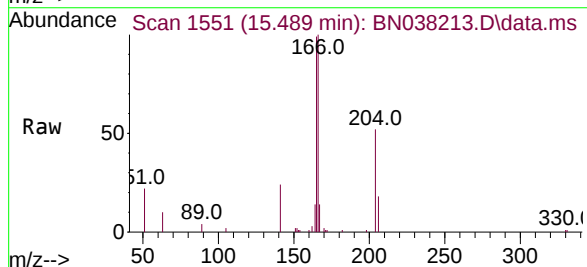
Instrument :
BNA_N
ClientSampleId :
SSTDICC0.2

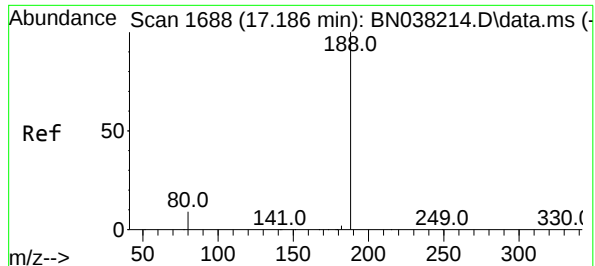
Tgt Ion:154 Resp: 7968
Ion Ratio Lower Upper
154 100
153 116.3 91.1 136.7
152 60.6 48.2 72.2



#18
Fluorene
Concen: 0.179 ng
RT: 15.489 min Scan# 1551
Delta R.T. 0.011 min
Lab File: BN038213.D
Acq: 26 Nov 2025 21:12

Tgt Ion:166 Resp: 9508
Ion Ratio Lower Upper
166 100
165 100.7 78.7 118.1
167 13.5 10.9 16.3





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 17.186 min Scan# 1

Delta R.T. 0.000 min

Lab File: BN038213.D

Acq: 26 Nov 2025 21:12

Instrument :

BNA_N

ClientSampleId :

SSTDICC0.2

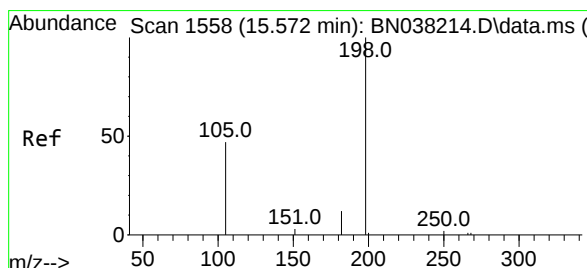
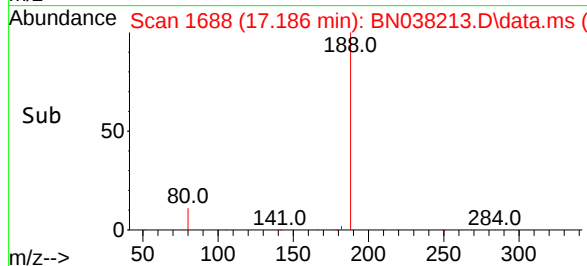
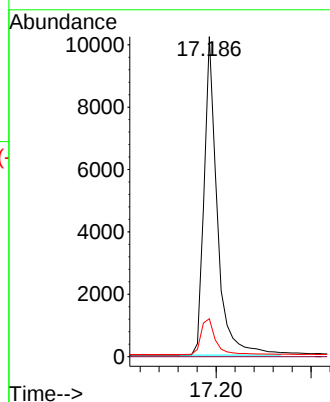
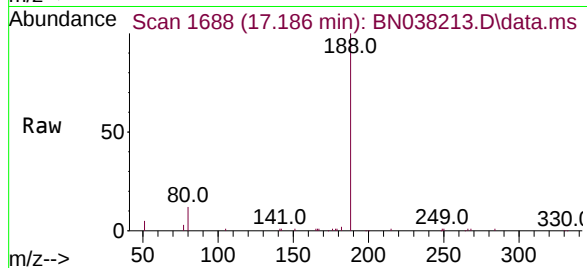
Tgt Ion:188 Resp: 19574

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

80 11.8 7.7 11.5#



#20

4,6-Dinitro-2-methylphenol

Concen: 0.227 ng

RT: 15.597 min Scan# 1560

Delta R.T. 0.025 min

Lab File: BN038213.D

Acq: 26 Nov 2025 21:12

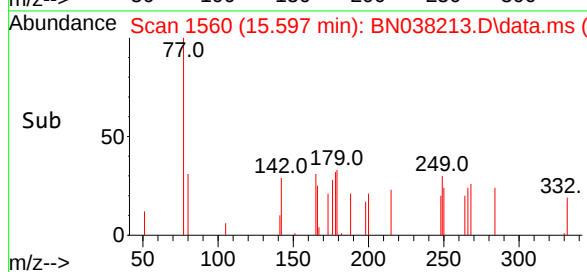
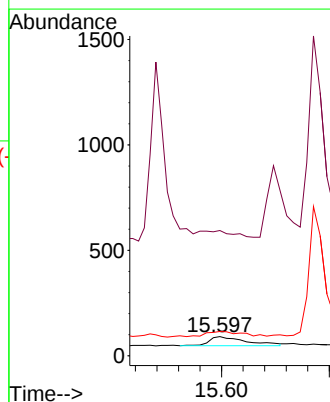
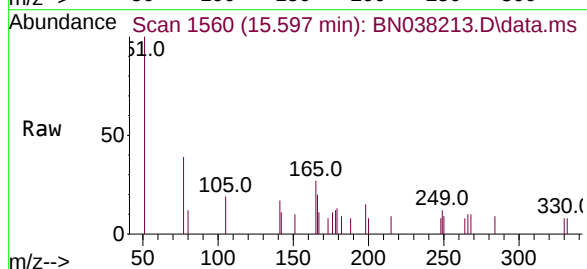
Tgt Ion:198 Resp: 206

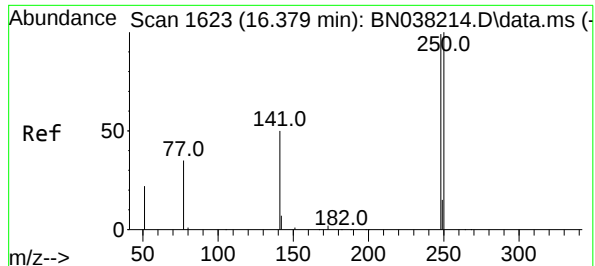
Ion Ratio Lower Upper

198 100

51 652.7 205.1 307.7#

105 126.4 61.6 92.4#

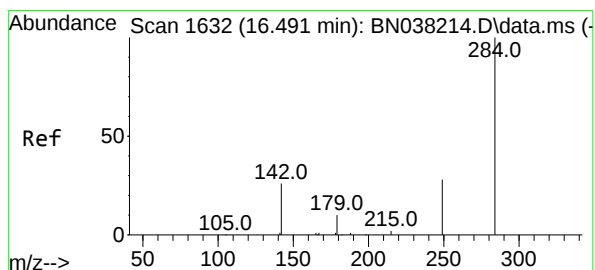
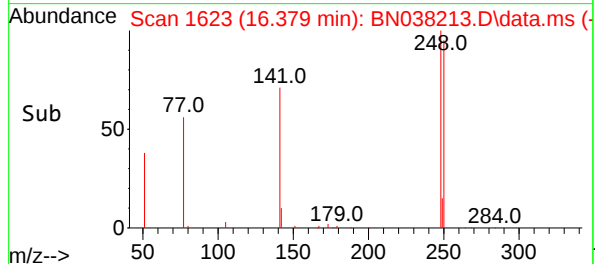
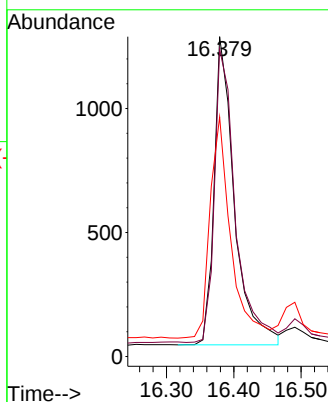
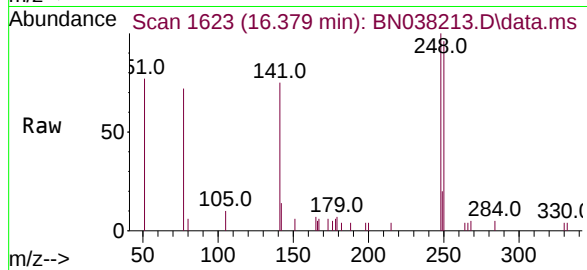




#21
4-Bromophenyl-phenylether
Concen: 0.193 ng
RT: 16.379 min Scan# 1623
Delta R.T. -0.000 min
Lab File: BN038213.D
Acq: 26 Nov 2025 21:12

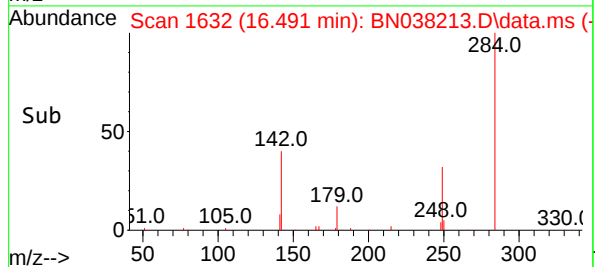
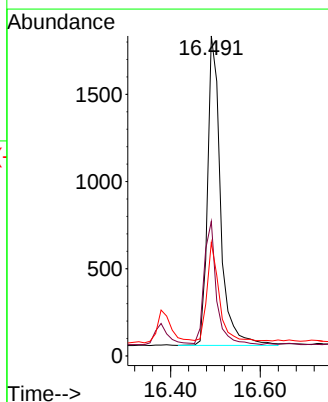
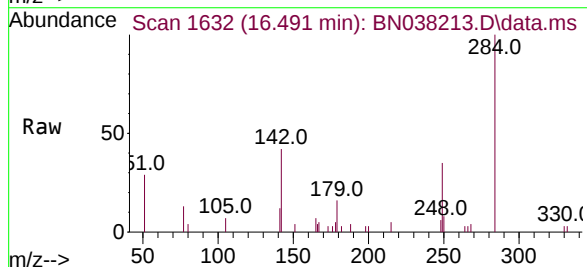
Instrument :
BNA_N
ClientSampleId :
SSTDICC0.2

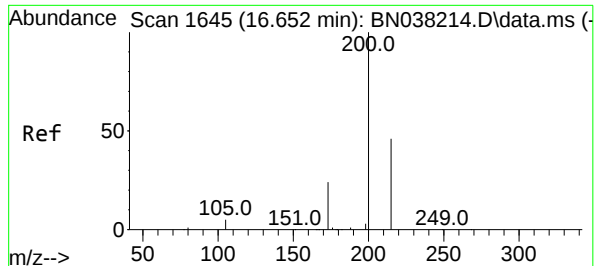
Tgt Ion	Ratio	Lower	Upper
248	100		
250	96.1	80.8	121.2
141	74.9	41.0	61.6



#22
Hexachlorobenzene
Concen: 0.215 ng
RT: 16.491 min Scan# 1632
Delta R.T. -0.000 min
Lab File: BN038213.D
Acq: 26 Nov 2025 21:12

Tgt Ion	Ratio	Lower	Upper
284	100		
142	37.4	30.5	45.7
249	29.1	23.8	35.8

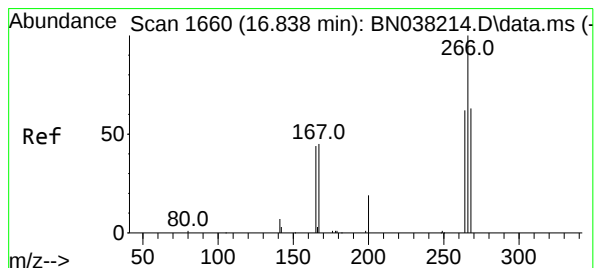
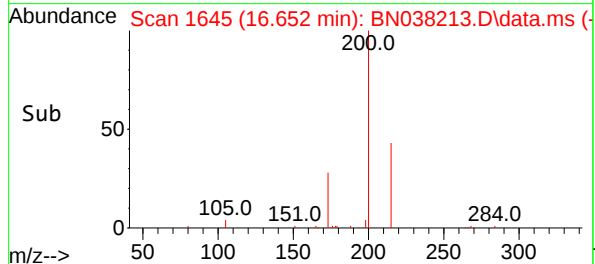
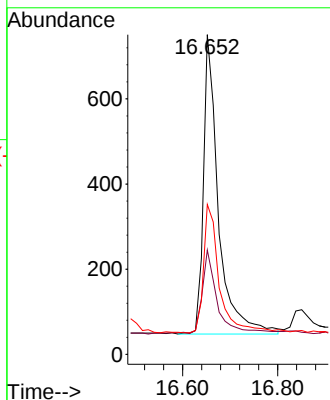
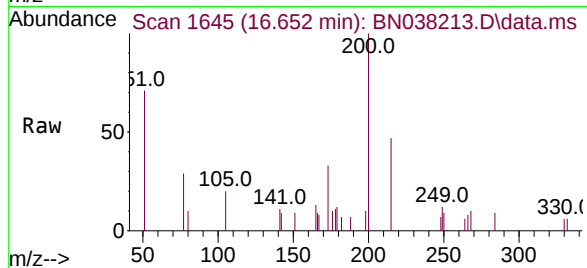




#23
Atrazine
Concen: 0.177 ng
RT: 16.652 min Scan# 1645
Delta R.T. -0.000 min
Lab File: BN038213.D
Acq: 26 Nov 2025 21:12

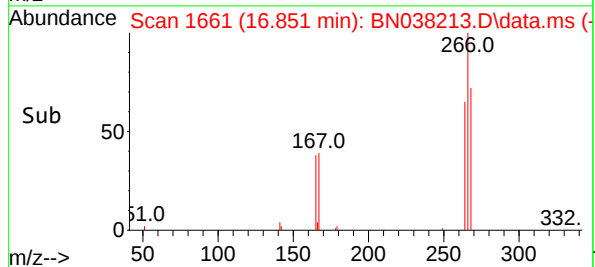
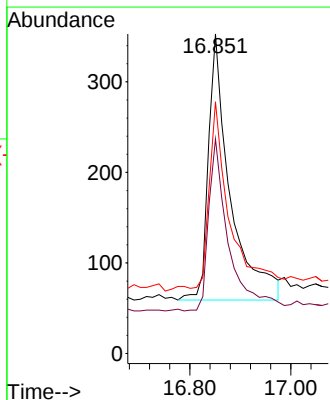
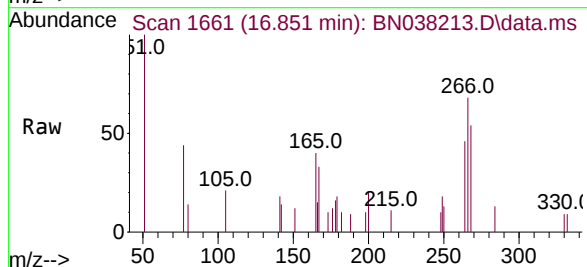
Instrument :
BNA_N
ClientSampleId :
SSTDICC0.2

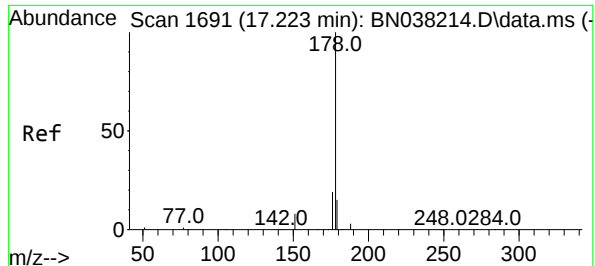
Tgt Ion	200	Resp:	1535
Ion Ratio	Lower	Upper	
200	100		
173	32.6	21.0	31.6#
215	46.9	37.8	56.8



#24
Pentachlorophenol
Concen: 0.193 ng
RT: 16.851 min Scan# 1661
Delta R.T. 0.013 min
Lab File: BN038213.D
Acq: 26 Nov 2025 21:12

Tgt Ion	266	Resp:	882
Ion Ratio	Lower	Upper	
266	100		
264	60.1	48.9	73.3
268	70.3	50.2	75.2





#25

Phenanthrene

Concen: 0.192 ng

RT: 17.223 min Scan# 1691

Delta R.T. -0.000 min

Lab File: BN038213.D

Acq: 26 Nov 2025 21:12

Instrument :

BNA_N

ClientSampleId :

SSTDICC0.2

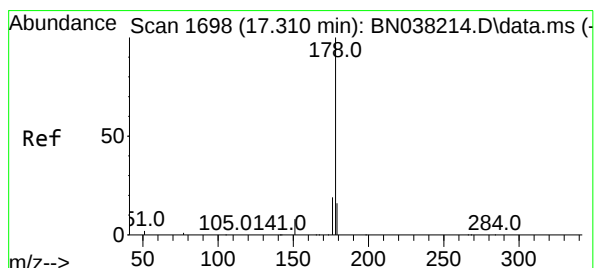
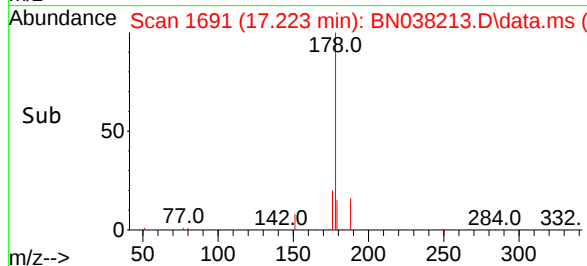
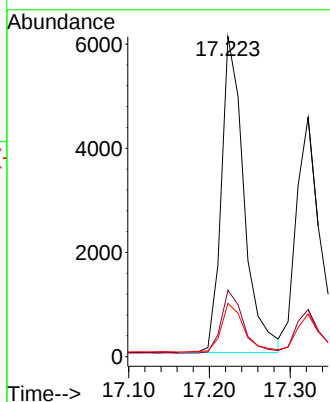
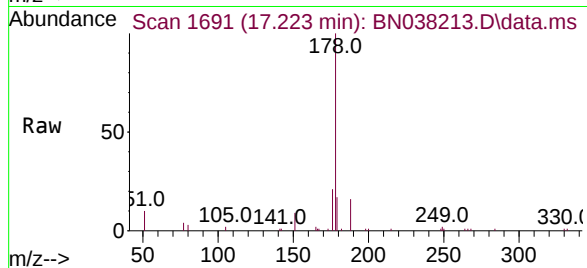
Tgt Ion:178 Resp: 11817

Ion Ratio Lower Upper

178 100

176 19.5 15.3 22.9

179 15.6 12.0 18.0



#26

Anthracene

Concen: 0.186 ng

RT: 17.322 min Scan# 1699

Delta R.T. 0.012 min

Lab File: BN038213.D

Acq: 26 Nov 2025 21:12

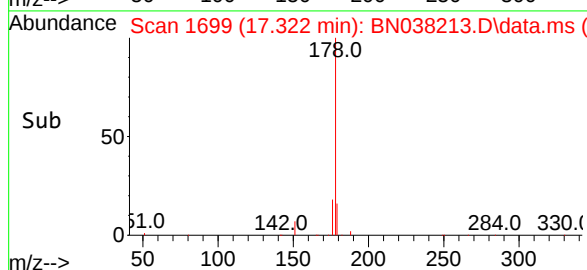
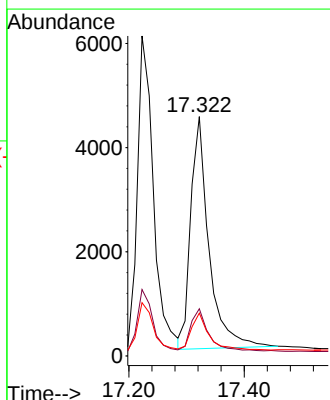
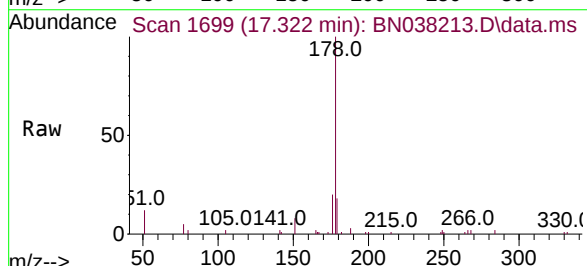
Tgt Ion:178 Resp: 9765

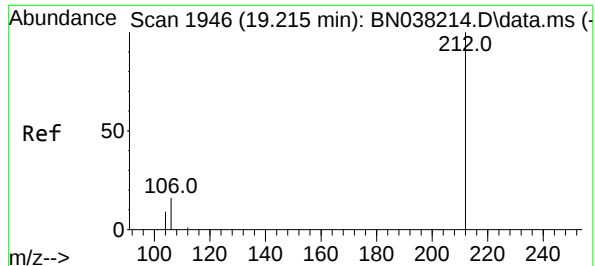
Ion Ratio Lower Upper

178 100

176 18.4 14.7 22.1

179 15.8 12.3 18.5





#27

Fluoranthene-d10

Concen: 0.195 ng

RT: 19.220 min Scan# 1947

Delta R.T. 0.005 min

Lab File: BN038213.D

Acq: 26 Nov 2025 21:12

Instrument :

BNA_N

ClientSampleId :

SSTDICC0.2

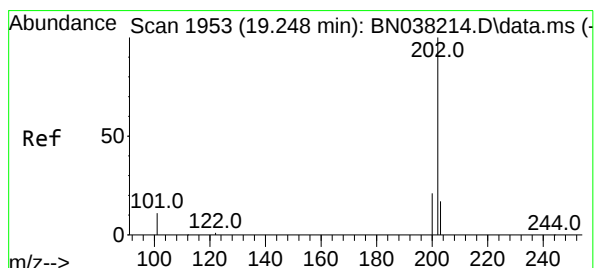
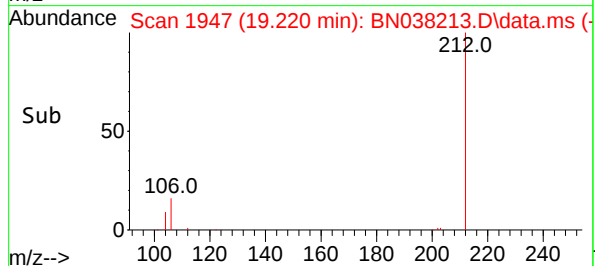
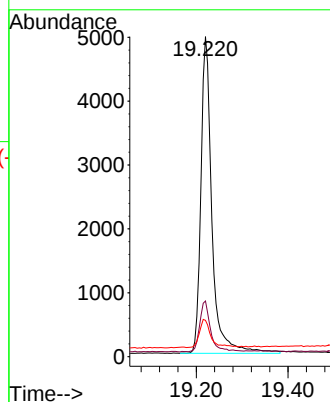
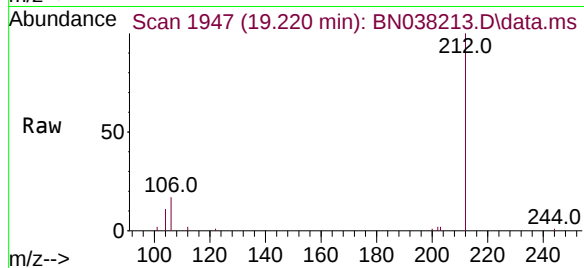
Tgt Ion:212 Resp: 8268

Ion Ratio Lower Upper

212 100

106 15.6 12.7 19.1

104 9.1 7.3 10.9



#28

Fluoranthene

Concen: 0.190 ng

RT: 19.248 min Scan# 1953

Delta R.T. -0.000 min

Lab File: BN038213.D

Acq: 26 Nov 2025 21:12

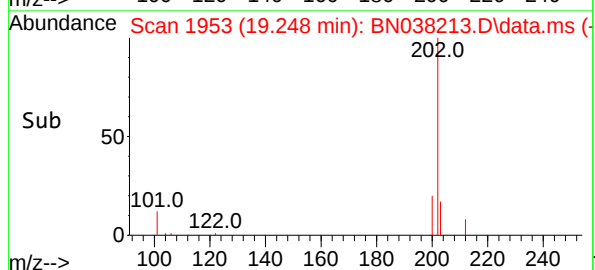
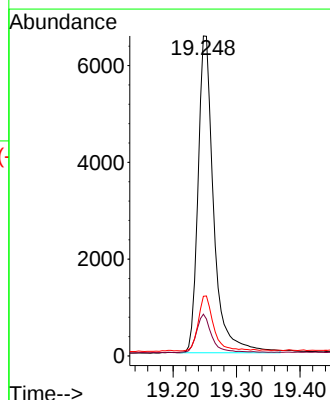
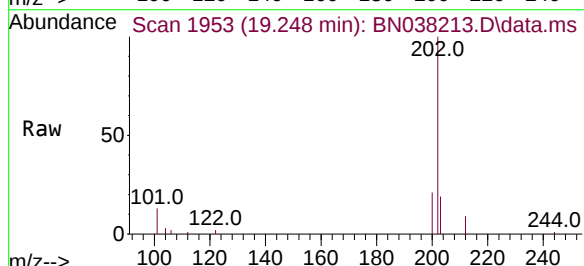
Tgt Ion:202 Resp: 11226

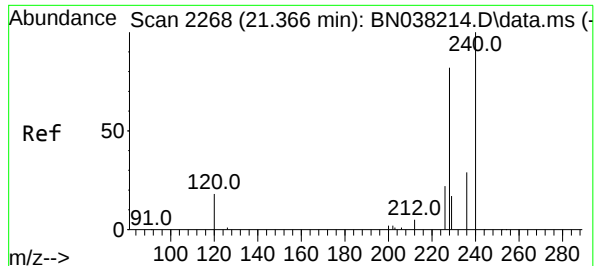
Ion Ratio Lower Upper

202 100

101 11.8 9.8 14.6

203 16.9 13.6 20.4





#29

Chrysene-d12

Concen: 0.400 ng

RT: 21.375 min Scan# 21

Delta R.T. 0.009 min

Lab File: BN038213.D

Acq: 26 Nov 2025 21:12

Instrument :

BNA_N

ClientSampleId :

SSTDICC0.2

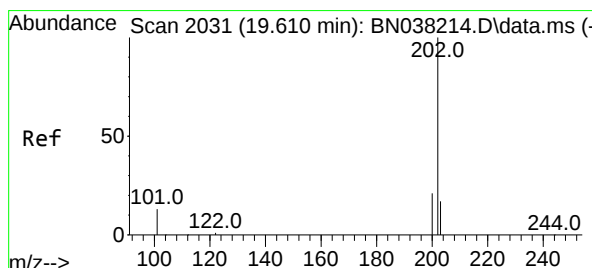
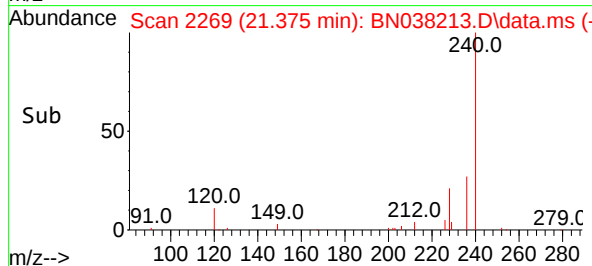
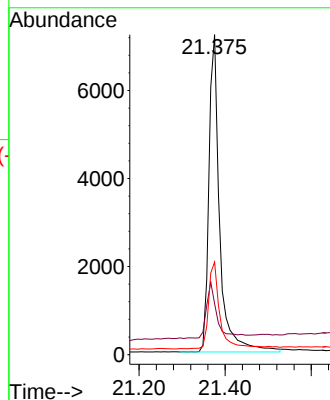
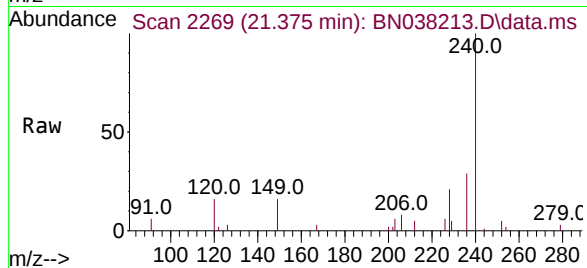
Tgt Ion:240 Resp: 12487

Ion Ratio Lower Upper

240 100

120 15.9 18.1 27.1#

236 28.9 24.2 36.4



#30

Pyrene

Concen: 0.181 ng

RT: 19.610 min Scan# 2031

Delta R.T. -0.000 min

Lab File: BN038213.D

Acq: 26 Nov 2025 21:12

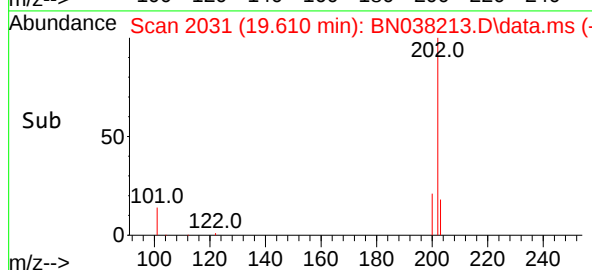
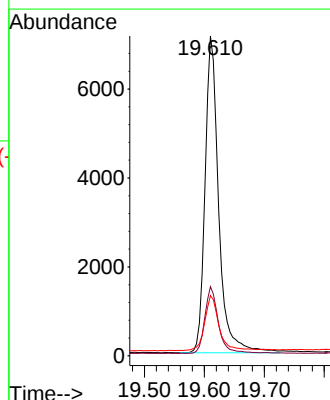
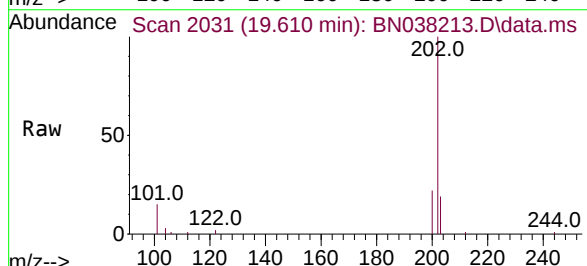
Tgt Ion:202 Resp: 11263

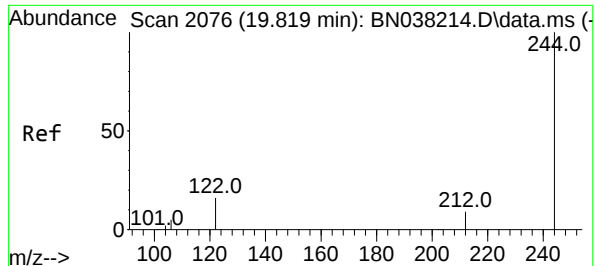
Ion Ratio Lower Upper

202 100

200 20.8 16.8 25.2

203 18.1 14.4 21.6

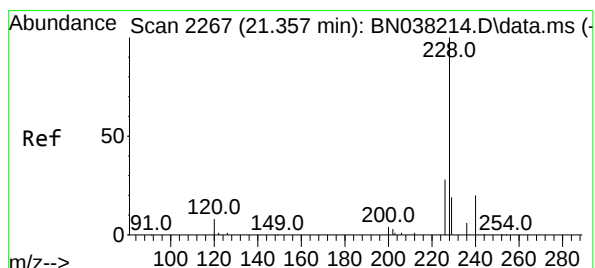
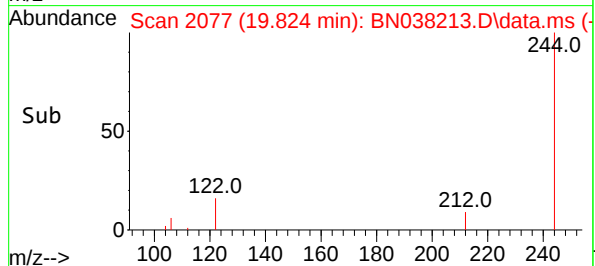
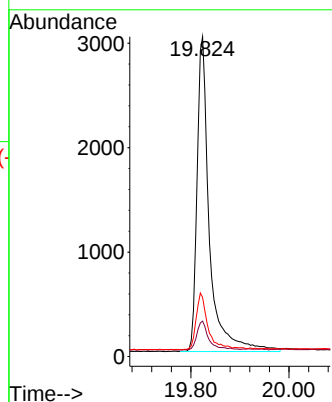
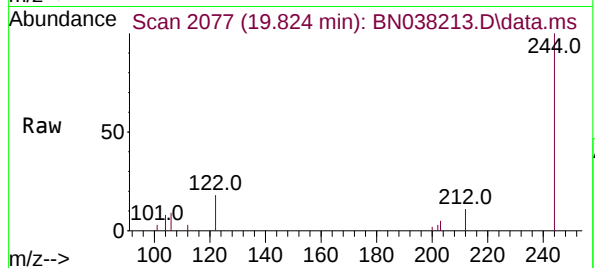




#31
Terphenyl-d14
Concen: 0.183 ng
RT: 19.824 min Scan# 2076
Delta R.T. 0.005 min
Lab File: BN038213.D
Acq: 26 Nov 2025 21:12

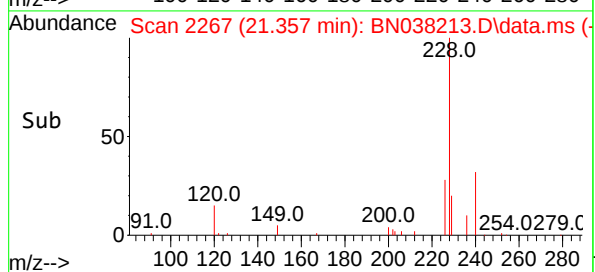
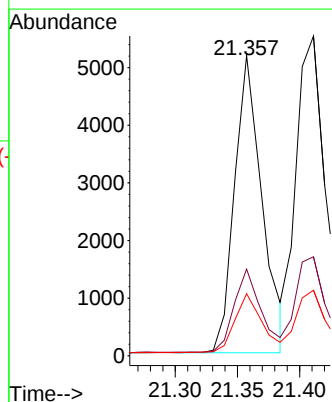
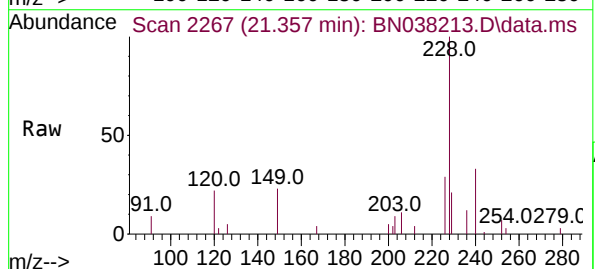
Instrument :
BNA_N
ClientSampleId :
SSTDICC0.2

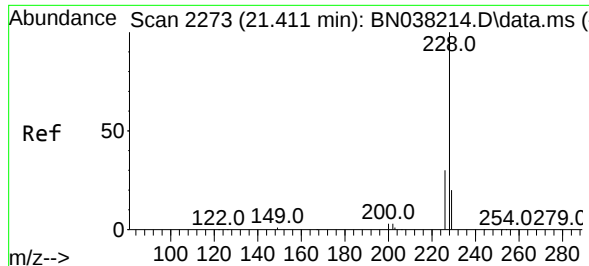
Tgt Ion:244 Resp: 5290
Ion Ratio Lower Upper
244 100
212 11.1 7.7 11.5
122 18.5 13.6 20.4



#32
Benzo(a)anthracene
Concen: 0.188 ng
RT: 21.357 min Scan# 2267
Delta R.T. -0.000 min
Lab File: BN038213.D
Acq: 26 Nov 2025 21:12

Tgt Ion:228 Resp: 7938
Ion Ratio Lower Upper
228 100
226 28.9 22.6 33.8
229 20.7 15.8 23.8





#33

Chrysene

Concen: 0.205 ng

RT: 21.411 min Scan# 21

Delta R.T. -0.000 min

Lab File: BN038213.D

Acq: 26 Nov 2025 21:12

Instrument :

BNA_N

ClientSampleId :

SSTDICC0.2

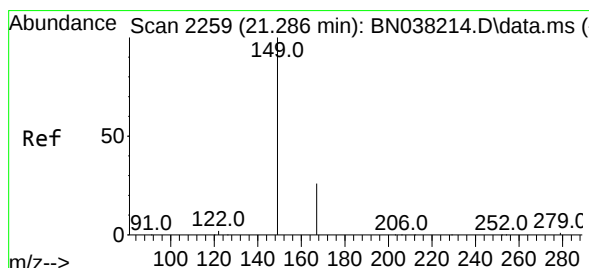
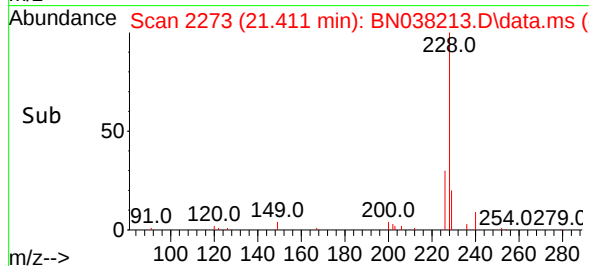
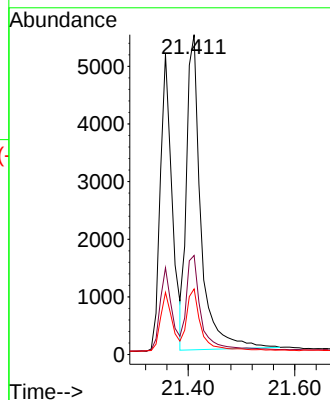
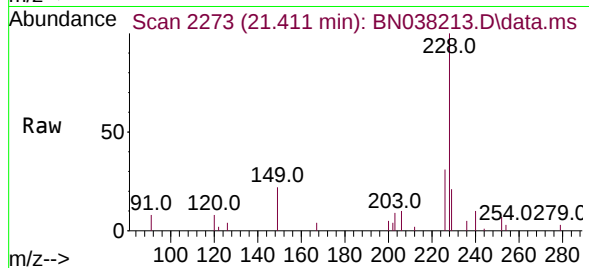
Tgt Ion:228 Resp: 10232

Ion Ratio Lower Upper

228 100

226 31.0 23.8 35.8

229 20.5 16.1 24.1



#34

Bis(2-ethylhexyl)phthalate

Concen: 0.210 ng

RT: 21.286 min Scan# 2259

Delta R.T. -0.000 min

Lab File: BN038213.D

Acq: 26 Nov 2025 21:12

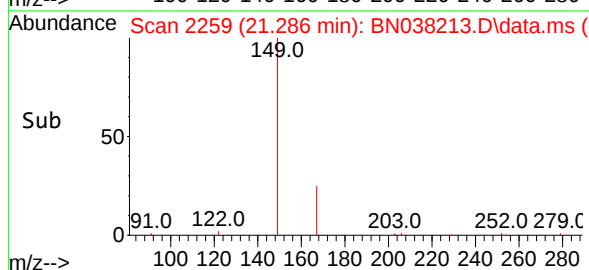
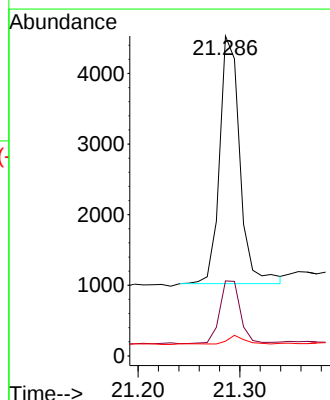
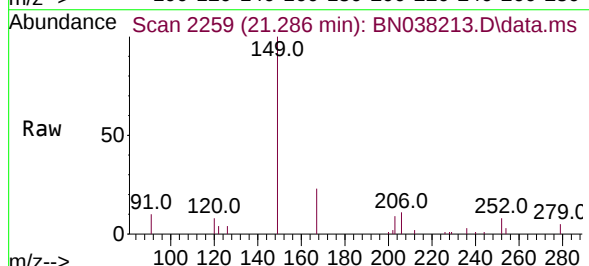
Tgt Ion:149 Resp: 4872

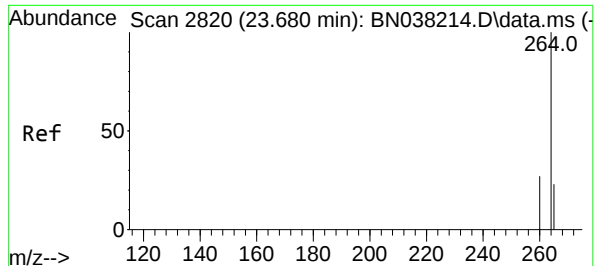
Ion Ratio Lower Upper

149 100

167 25.8 20.7 31.1

279 2.8 2.5 3.7





#35

Perylene-d12

Concen: 0.400 ng

RT: 23.680 min Scan# 2820

Delta R.T. -0.000 min

Lab File: BN038213.D

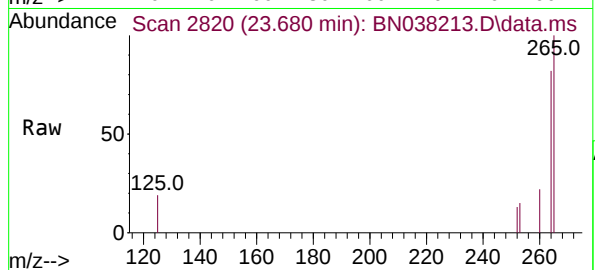
Acq: 26 Nov 2025 21:12

Instrument :

BNA_N

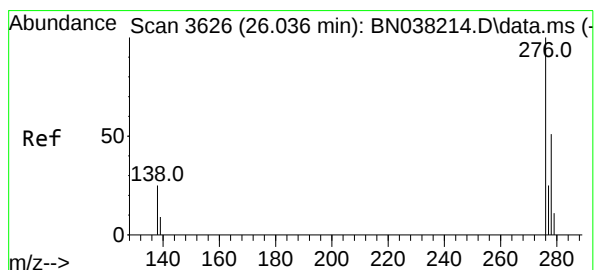
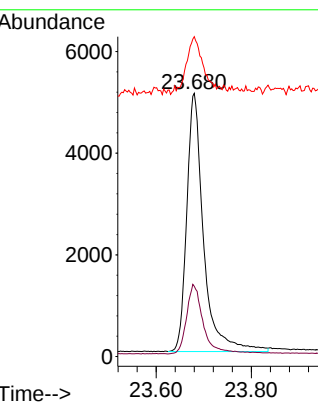
ClientSampleId :

SSTDICC0.2



Tgt Ion:264 Resp: 12455

Ion	Ratio	Lower	Upper
264	100		
260	26.7	21.7	32.5
265	121.6	98.0	147.0



#36

Indeno(1,2,3-cd)pyrene

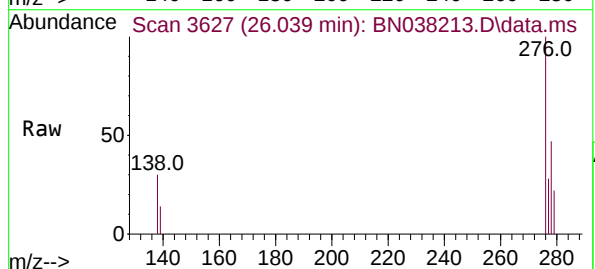
Concen: 0.185 ng

RT: 26.039 min Scan# 3627

Delta R.T. 0.003 min

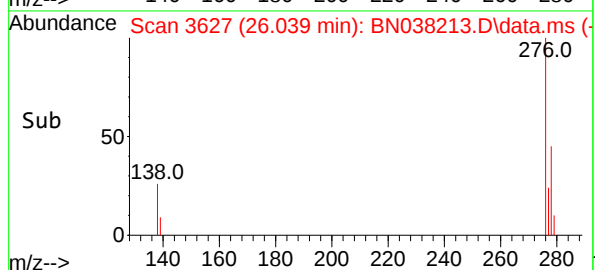
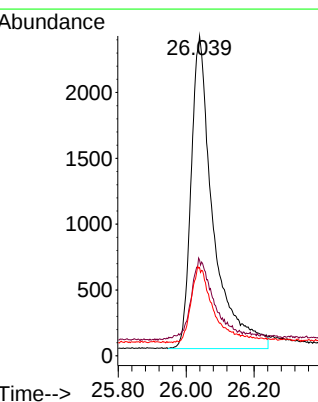
Lab File: BN038213.D

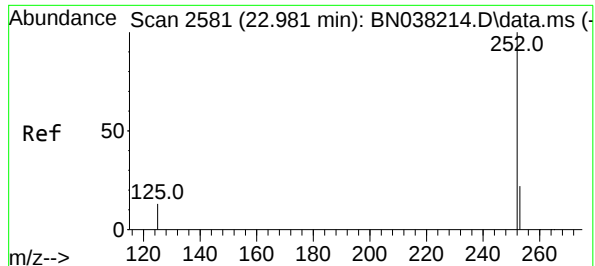
Acq: 26 Nov 2025 21:12



Tgt Ion:276 Resp: 10679

Ion	Ratio	Lower	Upper
276	100		
138	24.1	21.4	32.2
277	22.8	19.1	28.7





#37

Benzo(b)fluoranthene

Concen: 0.189 ng

RT: 22.984 min Scan# 21

Delta R.T. 0.003 min

Lab File: BN038213.D

Acq: 26 Nov 2025 21:12

Instrument :

BNA_N

ClientSampleId :

SSTDICC0.2

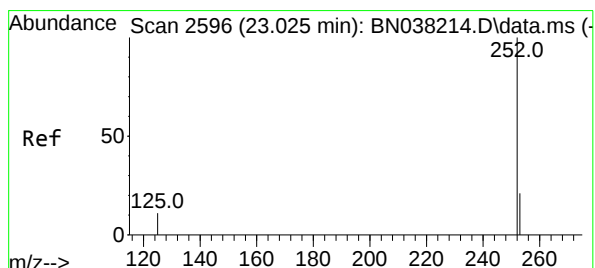
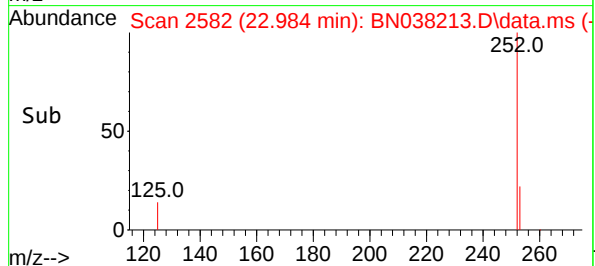
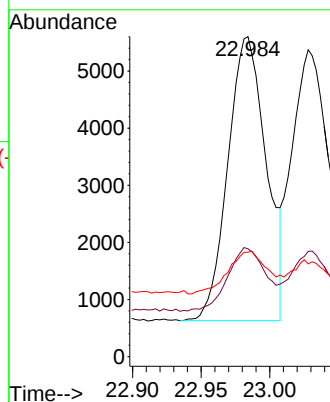
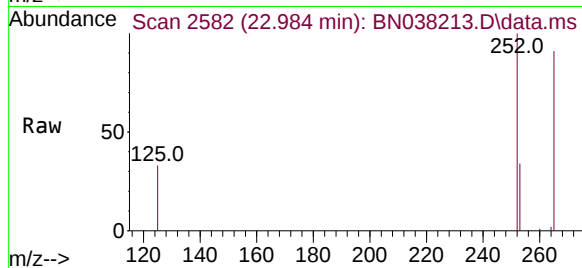
Tgt Ion:252 Resp: 9683

Ion Ratio Lower Upper

252 100

253 33.7 22.2 33.4#

125 32.6 18.0 27.0#



#38

Benzo(k)fluoranthene

Concen: 0.192 ng

RT: 23.028 min Scan# 2597

Delta R.T. 0.003 min

Lab File: BN038213.D

Acq: 26 Nov 2025 21:12

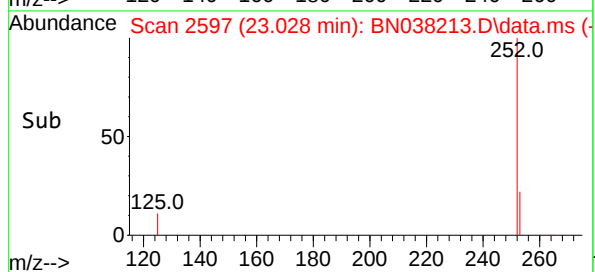
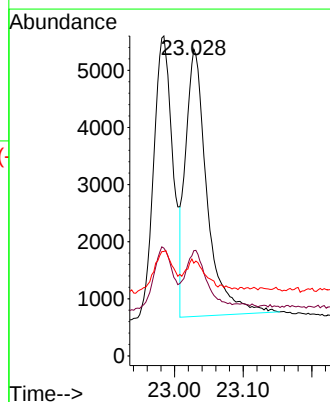
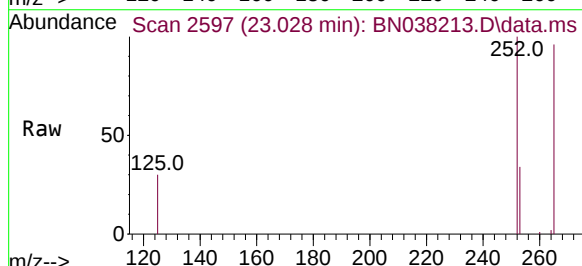
Tgt Ion:252 Resp: 10204

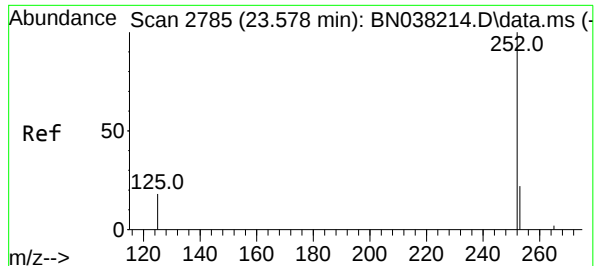
Ion Ratio Lower Upper

252 100

253 34.3 22.4 33.6#

125 30.2 17.5 26.3#





#39

Benzo(a)pyrene

Concen: 0.187 ng

RT: 23.581 min Scan# 21

Delta R.T. 0.003 min

Lab File: BN038213.D

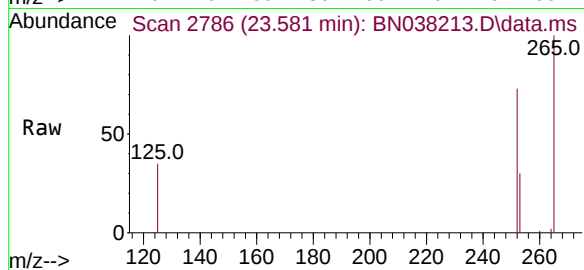
Acq: 26 Nov 2025 21:12

Instrument :

BNA_N

ClientSampleId :

SSTDICC0.2



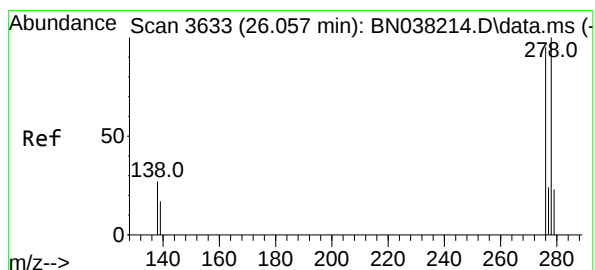
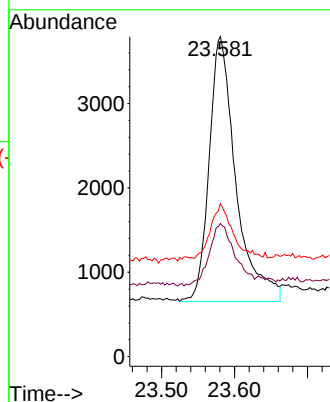
Tgt Ion:252 Resp: 7993

Ion Ratio Lower Upper

252 100

253 41.6 25.3 37.9#

125 47.8 25.2 37.8#



#40

Dibenzo(a,h)anthracene

Concen: 0.176 ng

RT: 26.054 min Scan# 3632

Delta R.T. -0.003 min

Lab File: BN038213.D

Acq: 26 Nov 2025 21:12

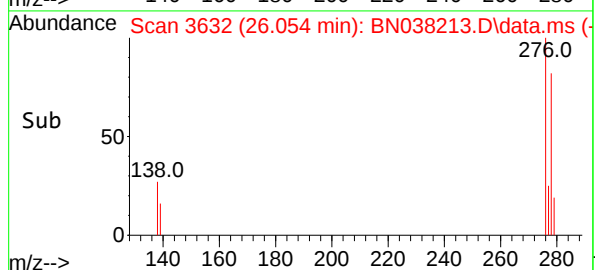
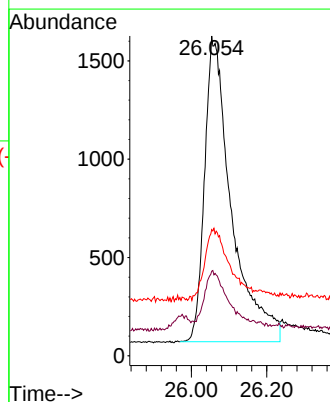
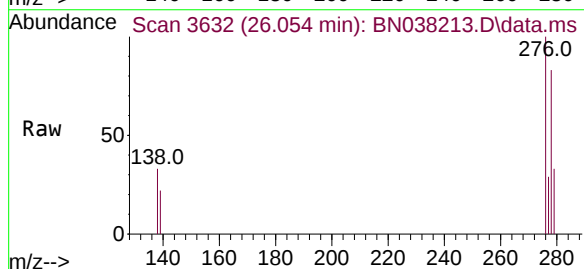
Tgt Ion:278 Resp: 7682

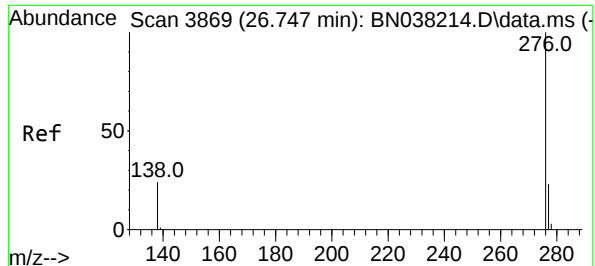
Ion Ratio Lower Upper

278 100

139 26.5 17.6 26.4#

279 39.5 24.2 36.4#





#41

Benzo(g,h,i)perylene

Concen: 0.190 ng

RT: 26.753 min Scan# 38

Delta R.T. 0.006 min

Lab File: BN038213.D

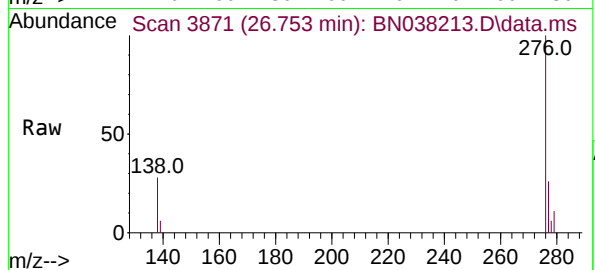
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Instrument :

BNA_N

ClientSampleId :

SSTDICC0.2



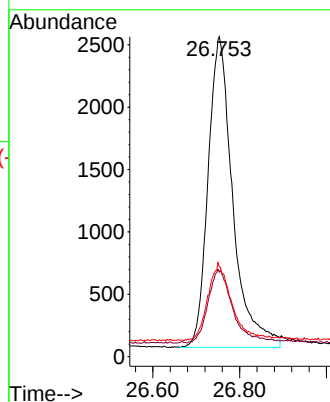
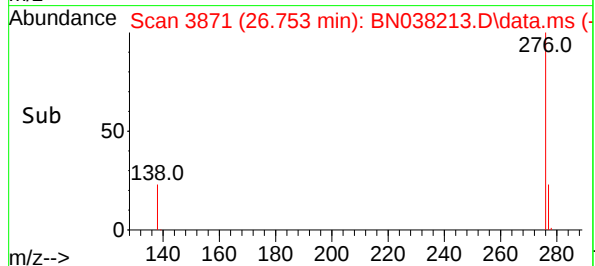
Tgt Ion:276 Resp: 9876

Ion Ratio Lower Upper

276 100

277 26.4 20.2 30.2

138 28.1 20.8 31.2



Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN112725\
 Data File : BN038214.D
 Acq On : 26 Nov 2025 21:48
 Operator : RC/JU
 Sample : SSTDICCC0.4
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 SSTDICCC0.4

Quant Time: Nov 28 20:54:48 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN112725.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Nov 28 20:22:09 2025
 Response via : Initial Calibration

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

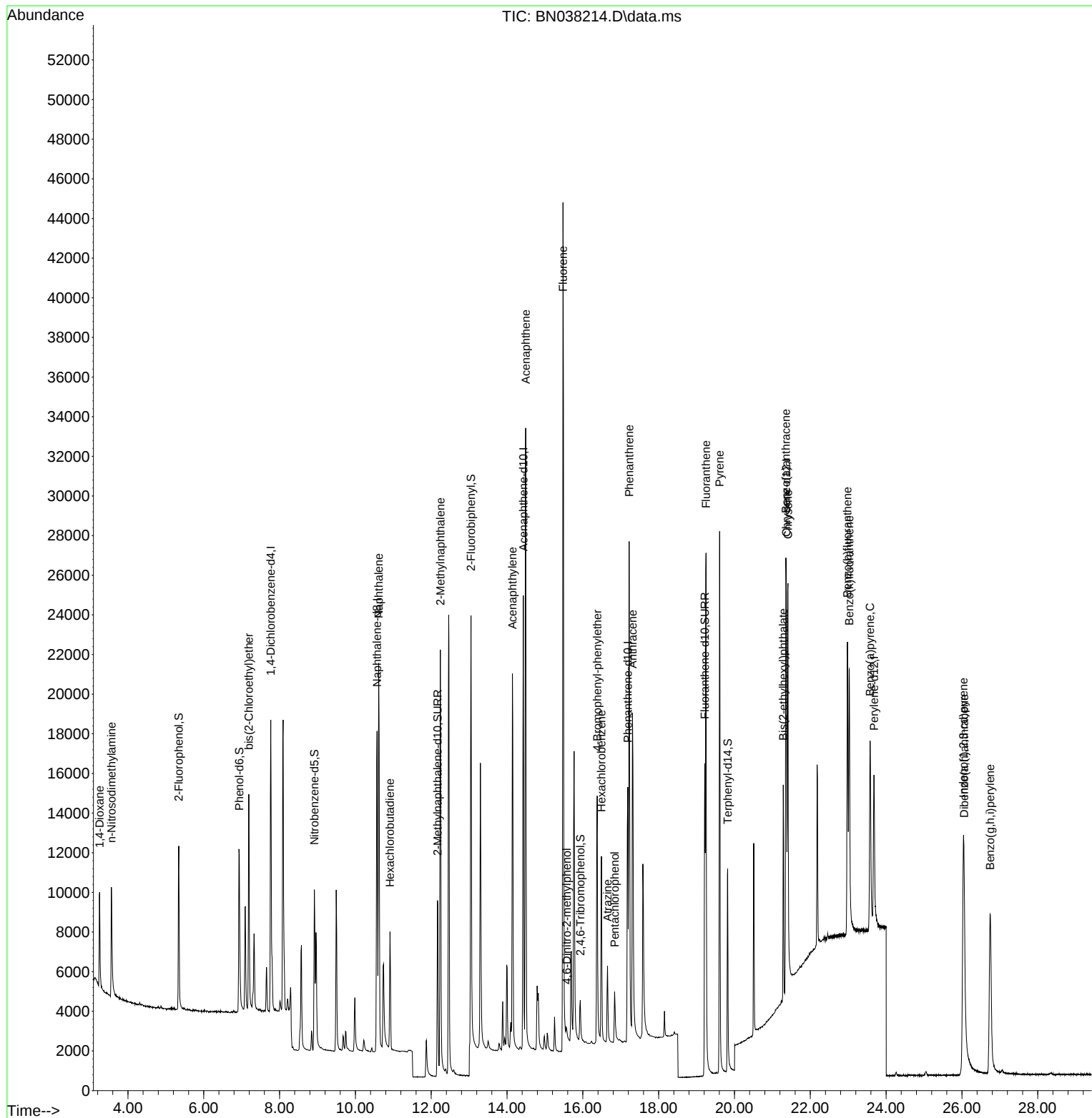
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.768	152	7469	0.400	ng	0.00
7) Naphthalene-d8	10.573	136	23385	0.400	ng	0.00
13) Acenaphthene-d10	14.430	164	13235	0.400	ng	0.00
19) Phenanthrene-d10	17.186	188	21844	0.400	ng	0.00
29) Chrysene-d12	21.366	240	12804	0.400	ng	0.00
35) Perylene-d12	23.680	264	11960	0.400	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.341	112	7407	0.424	ng	0.00
5) Phenol-d6	6.937	99	9075	0.416	ng	0.00
8) Nitrobenzene-d5	8.918	82	7258	0.388	ng	0.00
11) 2-Methylnaphthalene-d10	12.167	152	13752	0.414	ng	0.00
14) 2,4,6-Tribromophenol	15.932	330	1634	0.392	ng	0.00
15) 2-Fluorobiphenyl	13.051	172	21045	0.412	ng	0.00
27) Fluoranthene-d10	19.215	212	19448	0.410	ng	0.00
31) Terphenyl-d14	19.819	244	12317	0.417	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.254	88	3345	0.425	ng	99
3) n-Nitrosodimethylamine	3.564	42	4054	0.418	ng	99
6) bis(2-Chloroethyl)ether	7.190	93	8875	0.425	ng	100
9) Naphthalene	10.616	128	26973	0.415	ng	100
10) Hexachlorobutadiene	10.914	225	4678	0.424	ng	# 100
12) 2-Methylnaphthalene	12.243	142	17767	0.416	ng	100
16) Acenaphthylene	14.142	152	23834	0.403	ng	100
17) Acenaphthene	14.494	154	17100	0.414	ng	100
18) Fluorene	15.478	166	21837	0.409	ng	100
20) 4,6-Dinitro-2-methylph...	15.572	198	568	0.399	ng	100
21) 4-Bromophenyl-phenylether	16.379	248	6223	0.411	ng	100
22) Hexachlorobenzene	16.491	284	7821	0.420	ng	100
23) Atrazine	16.652	200	3821	0.395	ng	100
24) Pentachlorophenol	16.838	266	1841	0.361	ng	100
25) Phenanthrene	17.223	178	28648	0.418	ng	100
26) Anthracene	17.310	178	23328	0.399	ng	100
28) Fluoranthene	19.248	202	26807	0.406	ng	100
30) Pyrene	19.610	202	26725	0.418	ng	100
32) Benzo(a)anthracene	21.357	228	17510	0.404	ng	100
33) Chrysene	21.411	228	21267	0.416	ng	100
34) Bis(2-ethylhexyl)phtha...	21.286	149	10262	0.432	ng	100
36) Indeno(1,2,3-cd)pyrene	26.036	276	22427	0.405	ng	100
37) Benzo(b)fluoranthene	22.981	252	20366	0.415	ng	100
38) Benzo(k)fluoranthene	23.025	252	21024	0.412	ng	100
39) Benzo(a)pyrene	23.578	252	16572	0.403	ng	100
40) Dibenzo(a,h)anthracene	26.057	278	16493	0.394	ng	100
41) Benzo(g,h,i)perylene	26.747	276	20578	0.413	ng	100

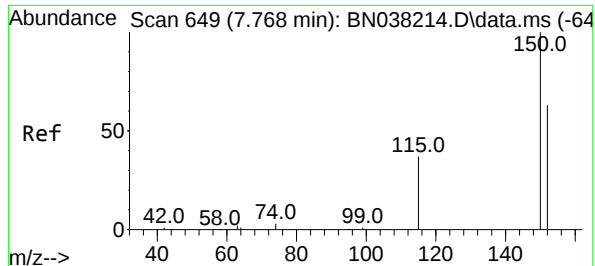
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN112725\
Data File : BN038214.D
Acq On : 26 Nov 2025 21:48
Operator : RC/JU
Sample : SSTDICCC0.4
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
SSTDICCC0.4

Quant Time: Nov 28 20:54:48 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN112725.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Nov 28 20:22:09 2025
Response via : Initial Calibration

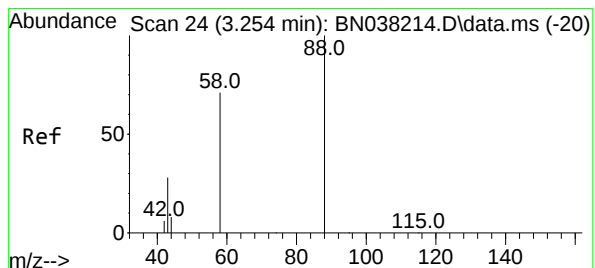
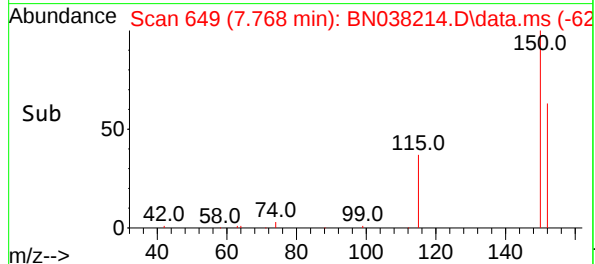
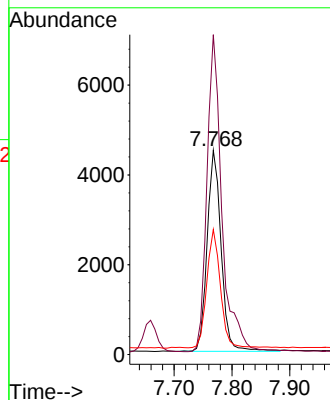
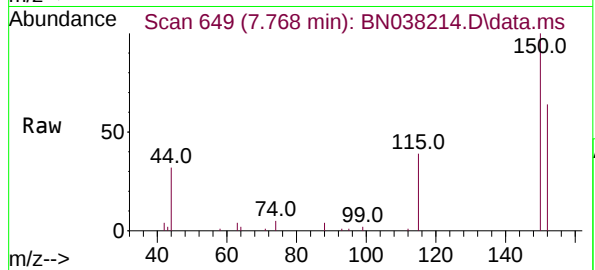




#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.768 min Scan# 64
Delta R.T. -0.000 min
Lab File: BN038214.D
Acq: 26 Nov 2025 21:48

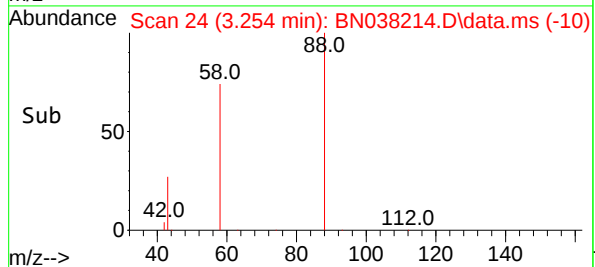
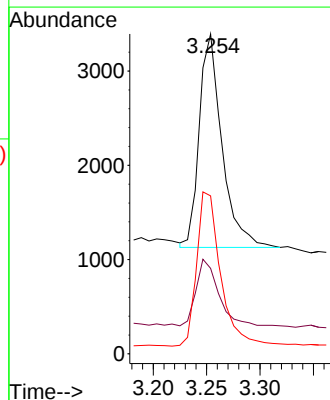
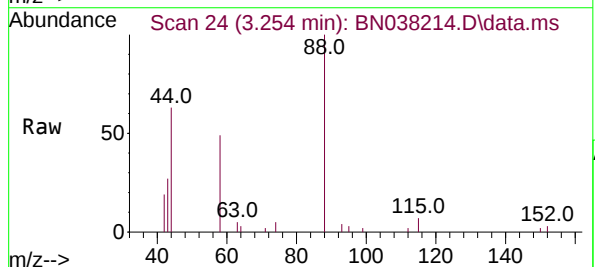
Instrument :
BNA_N
ClientSampleId :
SSTDICCC0.4

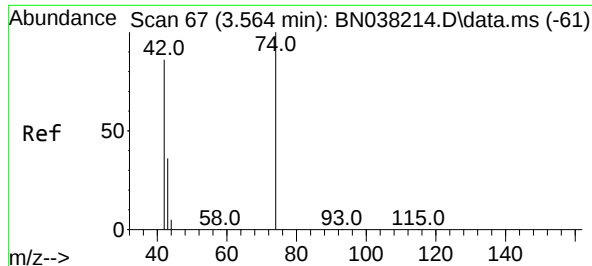
Tgt Ion:152 Resp: 7469
Ion Ratio Lower Upper
152 100
150 156.6 125.3 187.9
115 61.2 49.0 73.4



#2
1,4-Dioxane
Concen: 0.425 ng
RT: 3.254 min Scan# 24
Delta R.T. 0.000 min
Lab File: BN038214.D
Acq: 26 Nov 2025 21:48

Tgt Ion: 88 Resp: 3345
Ion Ratio Lower Upper
88 100
43 32.0 24.8 37.2
58 76.7 61.1 91.7

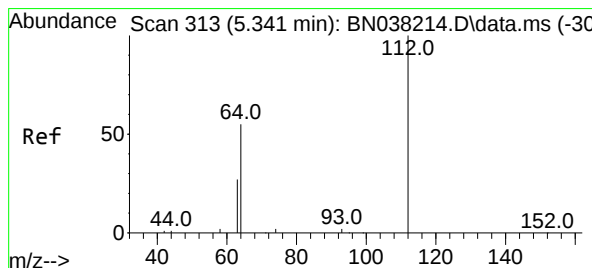
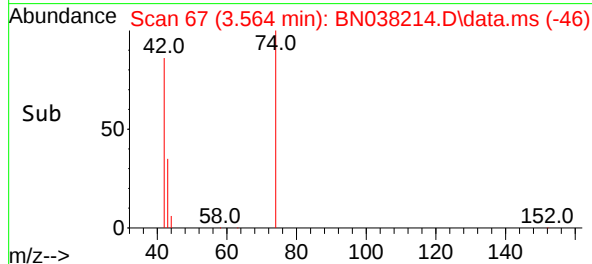
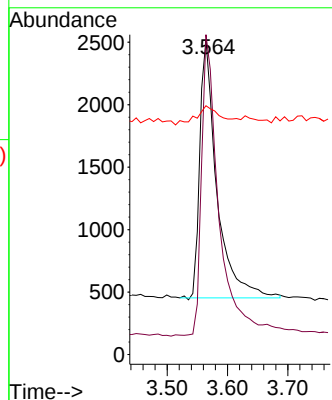
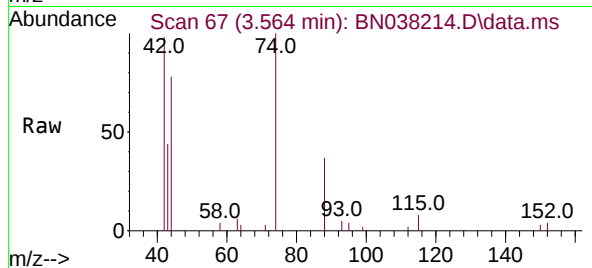




#3
n-Nitrosodimethylamine
Concen: 0.418 ng
RT: 3.564 min Scan# 61
Delta R.T. 0.000 min
Lab File: BN038214.D
Acq: 26 Nov 2025 21:48

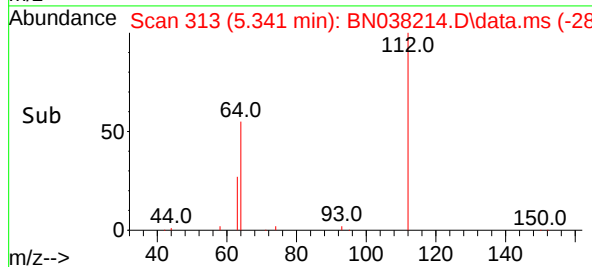
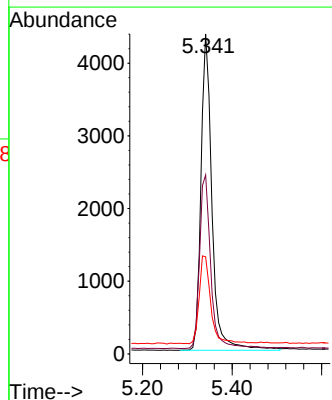
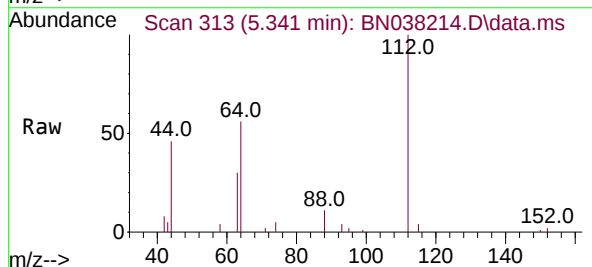
Instrument :
BNA_N
ClientSampleId :
SSTDICCC0.4

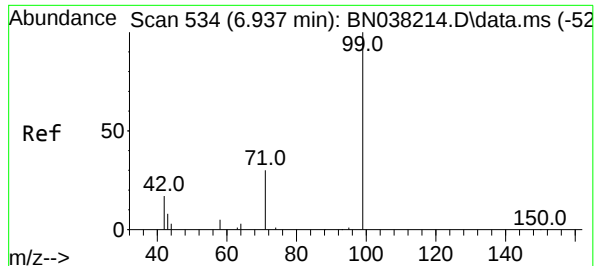
Tgt Ion: 42 Resp: 4054
Ion Ratio Lower Upper
42 100
74 121.0 96.2 144.2
44 10.0 8.0 12.0



#4
2-Fluorophenol
Concen: 0.424 ng
RT: 5.341 min Scan# 313
Delta R.T. 0.000 min
Lab File: BN038214.D
Acq: 26 Nov 2025 21:48

Tgt Ion: 112 Resp: 7407
Ion Ratio Lower Upper
112 100
64 56.2 45.0 67.4
63 29.0 23.2 34.8

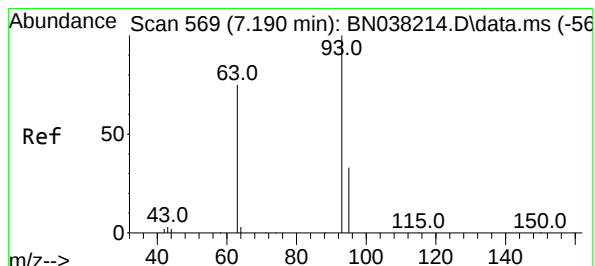
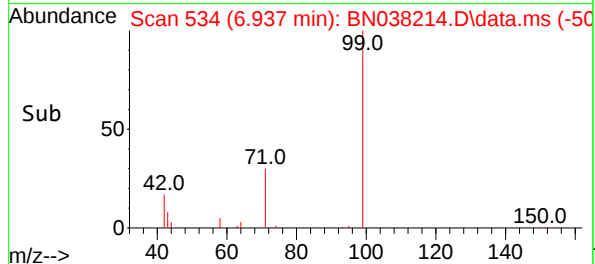
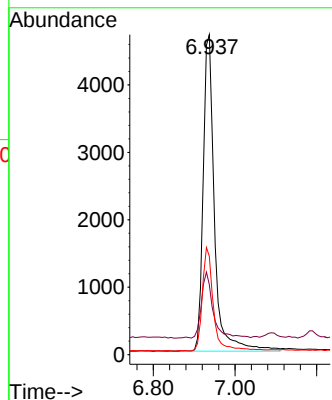
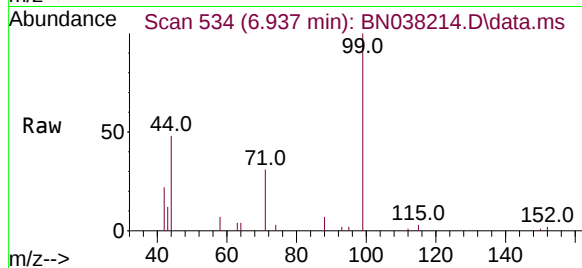




#5
Phenol-d6
Concen: 0.416 ng
RT: 6.937 min Scan# 534
Delta R.T. 0.000 min
Lab File: BN038214.D
Acq: 26 Nov 2025 21:48

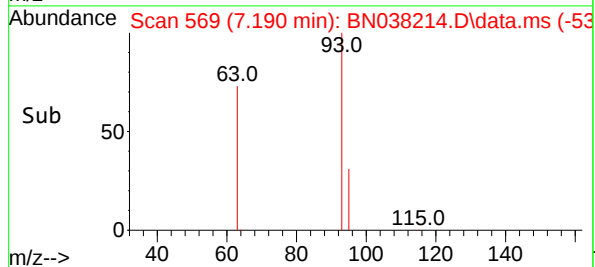
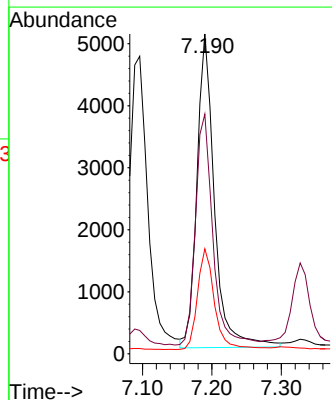
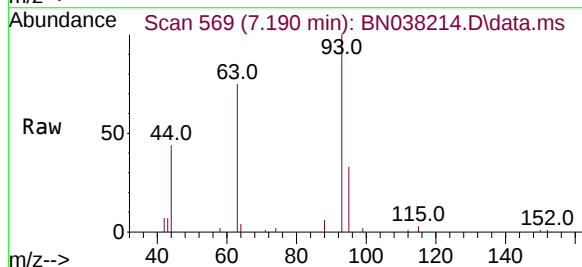
Instrument :
BNA_N
ClientSampleId :
SSTDICCC0.4

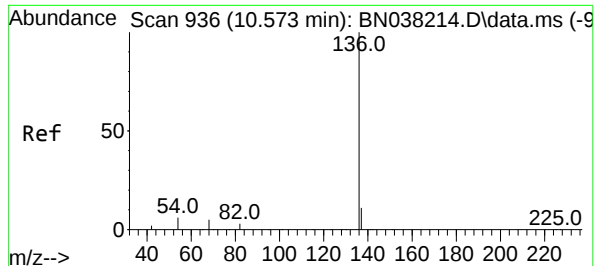
Tgt Ion	Ratio	Lower	Upper
99	100		
42	21.2	17.0	25.6
71	31.7	25.4	38.2



#6
bis(2-Chloroethyl)ether
Concen: 0.425 ng
RT: 7.190 min Scan# 569
Delta R.T. 0.000 min
Lab File: BN038214.D
Acq: 26 Nov 2025 21:48

Tgt Ion	Ratio	Lower	Upper
93	100		
63	72.6	58.1	87.1
95	31.4	25.1	37.7

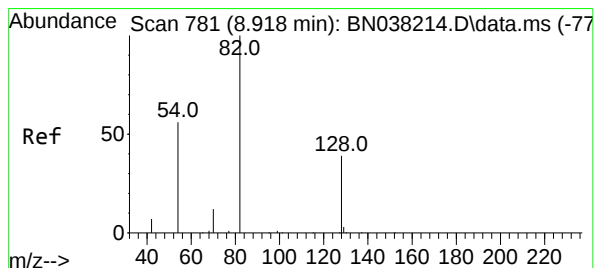
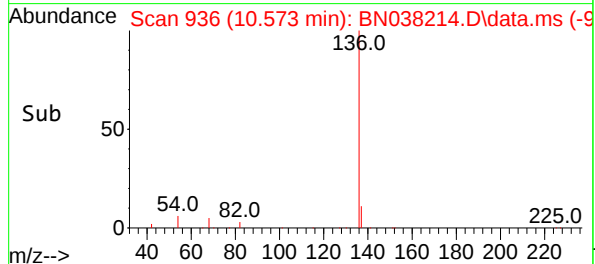
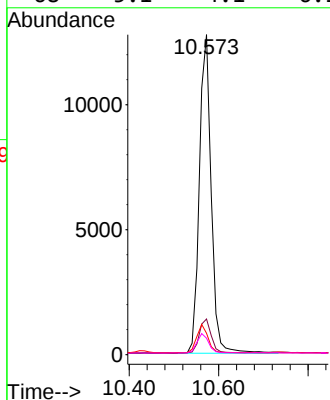
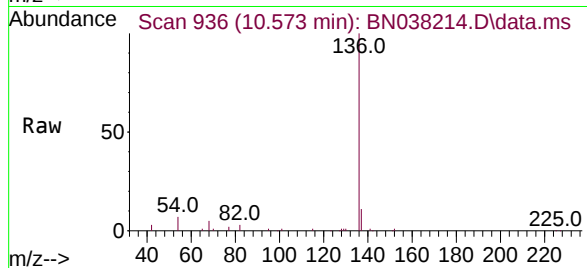




#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.573 min Scan# 936
Delta R.T. 0.000 min
Lab File: BN038214.D
Acq: 26 Nov 2025 21:48

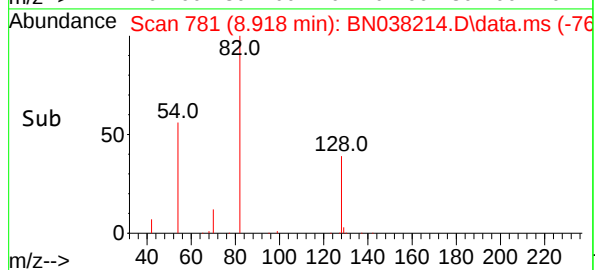
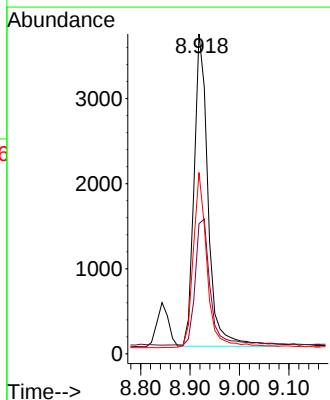
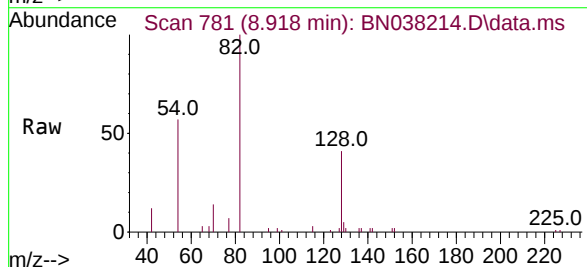
Instrument :
BNA_N
ClientSampleId :
SSTDICCC0.4

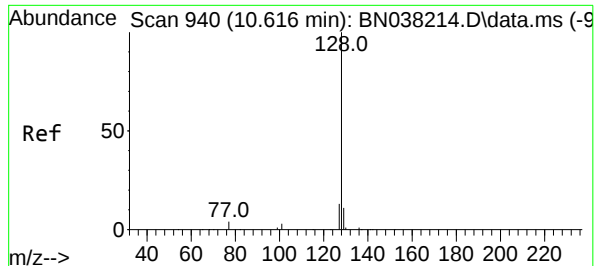
Tgt Ion:	136	Resp:	23385
Ion Ratio	Lower	Upper	
136	100		
137	11.1	8.9	13.3
54	6.7	5.4	8.0
68	5.1	4.1	6.1



#8
Nitrobenzene-d5
Concen: 0.388 ng
RT: 8.918 min Scan# 781
Delta R.T. 0.000 min
Lab File: BN038214.D
Acq: 26 Nov 2025 21:48

Tgt Ion:	82	Resp:	7258
Ion Ratio	Lower	Upper	
82	100		
128	40.7	32.6	48.8
54	56.7	45.4	68.0

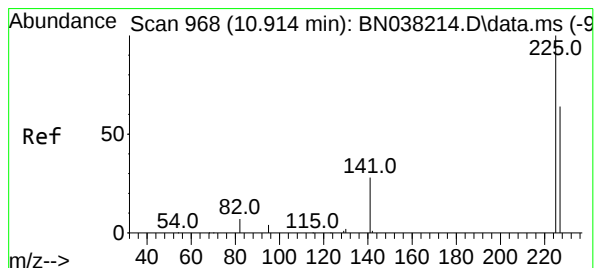
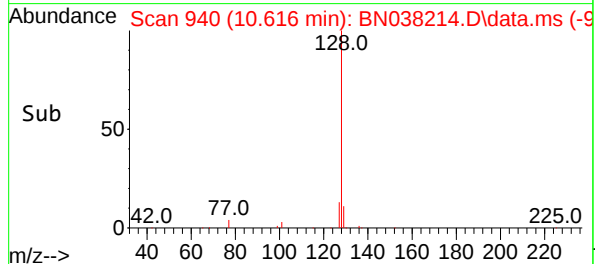
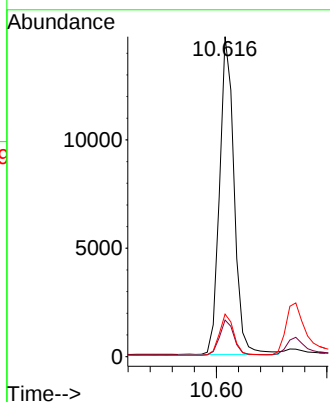
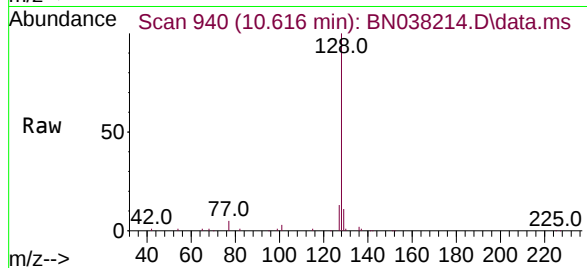




#9
Naphthalene
Concen: 0.415 ng
RT: 10.616 min Scan# 940
Delta R.T. 0.000 min
Lab File: BN038214.D
Acq: 26 Nov 2025 21:48

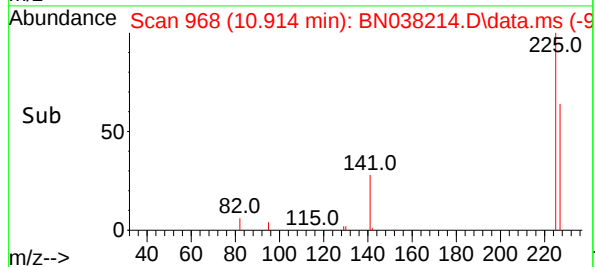
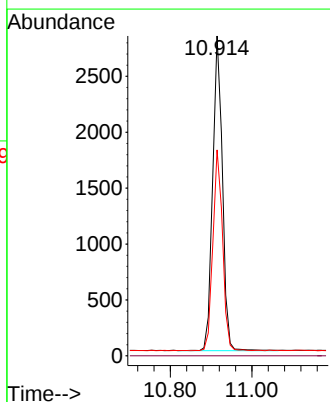
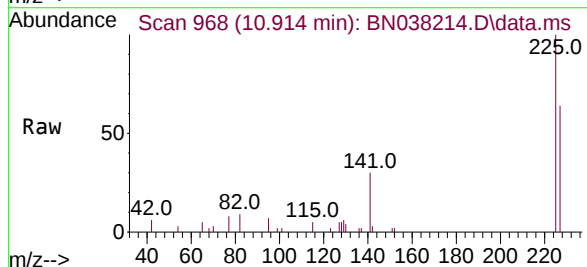
Instrument :
BNA_N
ClientSampleId :
SSTDICCC0.4

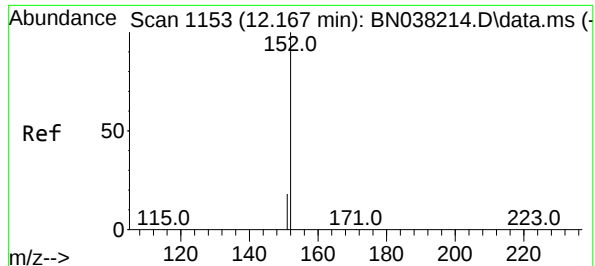
Tgt Ion	128	Resp	26973
Ion Ratio	Lower	Upper	
128	100		
129	11.4	9.1	13.7
127	13.3	10.6	16.0



#10
Hexachlorobutadiene
Concen: 0.424 ng
RT: 10.914 min Scan# 968
Delta R.T. 0.000 min
Lab File: BN038214.D
Acq: 26 Nov 2025 21:48

Tgt Ion	225	Resp	4678
Ion Ratio	Lower	Upper	
225	100		
223	0.0	0.0	0.0
227	63.1	50.5	75.7

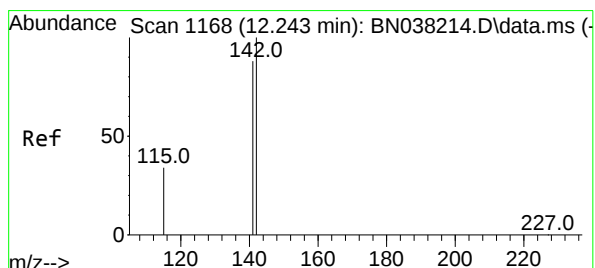
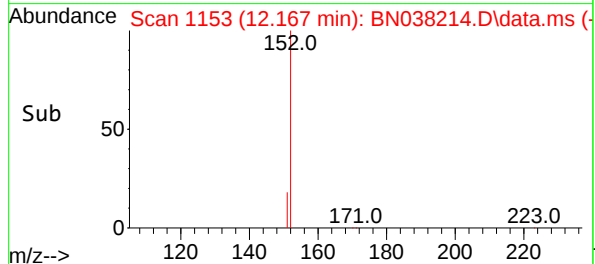
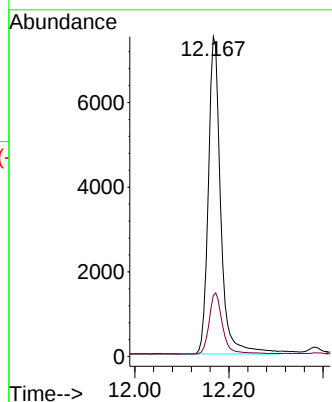
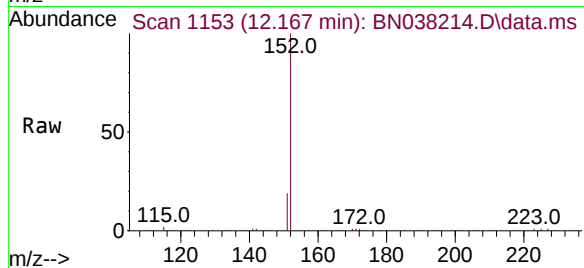




#11
2-Methylnaphthalene-d10
Concen: 0.414 ng
RT: 12.167 min Scan# 1153
Delta R.T. 0.000 min
Lab File: BN038214.D
Acq: 26 Nov 2025 21:48

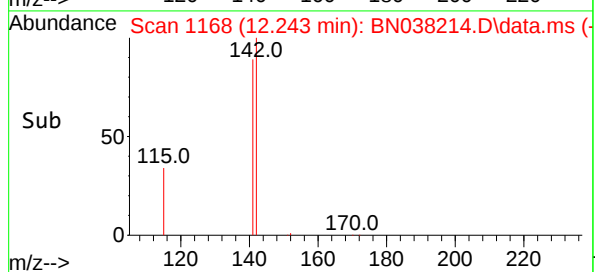
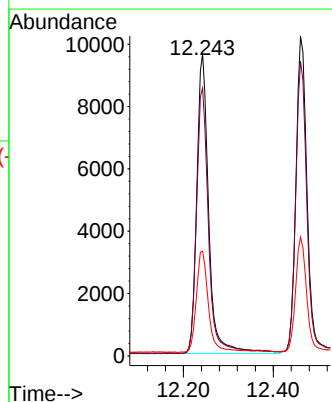
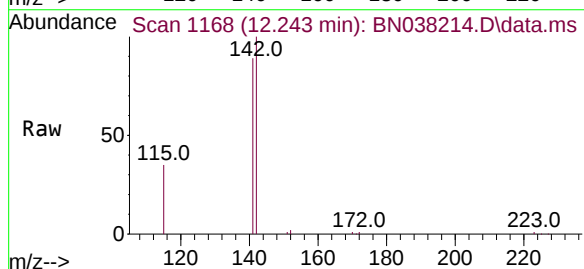
Instrument :
BNA_N
ClientSampleId :
SSTDICCC0.4

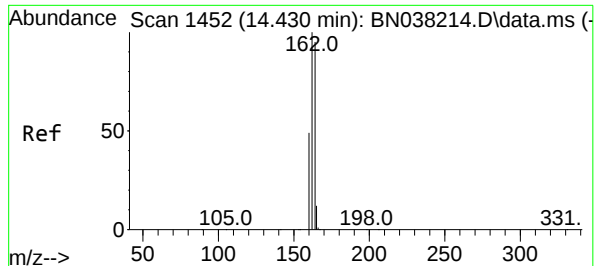
Tgt Ion:152 Resp: 13752
Ion Ratio Lower Upper
152 100
151 20.9 16.7 25.1



#12
2-Methylnaphthalene
Concen: 0.416 ng
RT: 12.243 min Scan# 1168
Delta R.T. -0.000 min
Lab File: BN038214.D
Acq: 26 Nov 2025 21:48

Tgt Ion:142 Resp: 17767
Ion Ratio Lower Upper
142 100
141 88.6 70.9 106.3
115 34.6 27.7 41.5

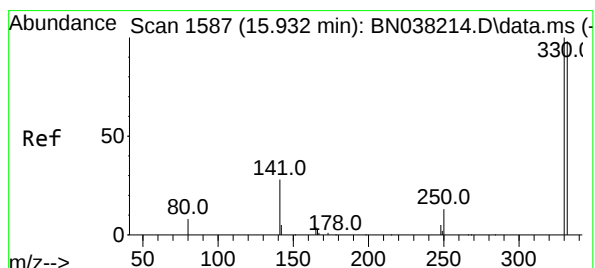
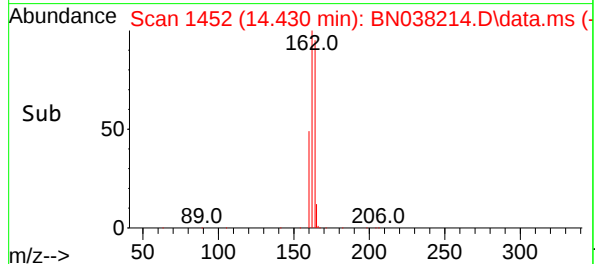
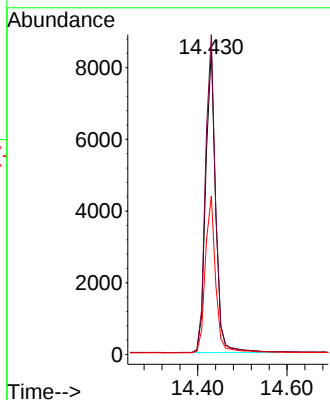
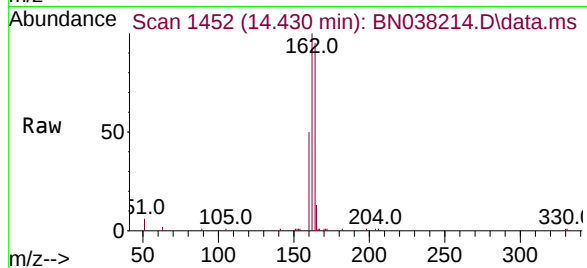




#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.430 min Scan# 1452
Delta R.T. 0.000 min
Lab File: BN038214.D
Acq: 26 Nov 2025 21:48

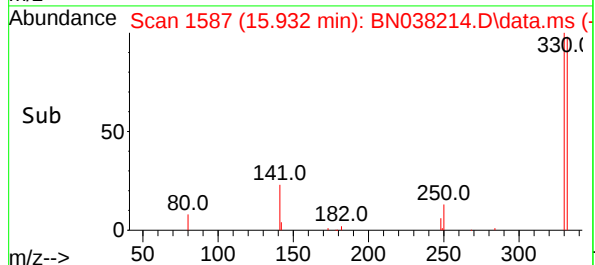
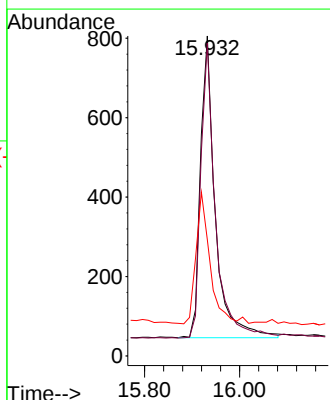
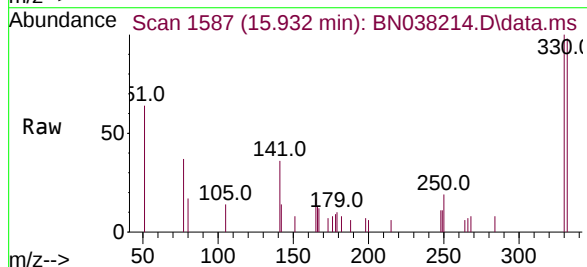
Instrument :
BNA_N
ClientSampleId :
SSTDICCC0.4

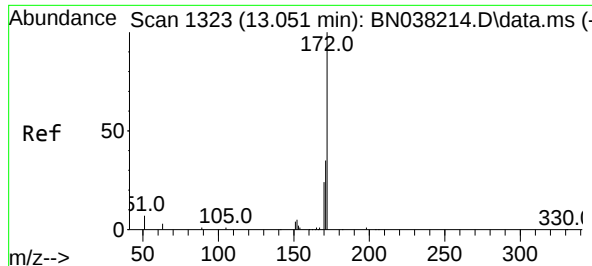
Tgt Ion	Ratio	Lower	Upper
164	100		
162	104.8	83.8	125.8
160	52.0	41.6	62.4



#14
2,4,6-Tribromophenol
Concen: 0.392 ng
RT: 15.932 min Scan# 1587
Delta R.T. 0.000 min
Lab File: BN038214.D
Acq: 26 Nov 2025 21:48

Tgt Ion	Ratio	Lower	Upper
330	100		
332	97.2	77.8	116.6
141	41.2	33.0	49.4

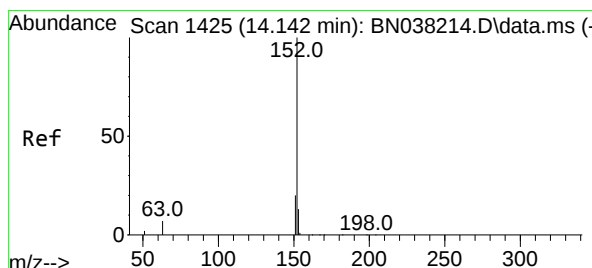
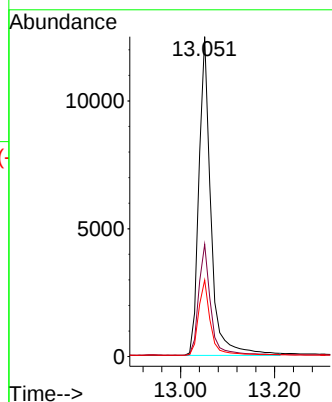
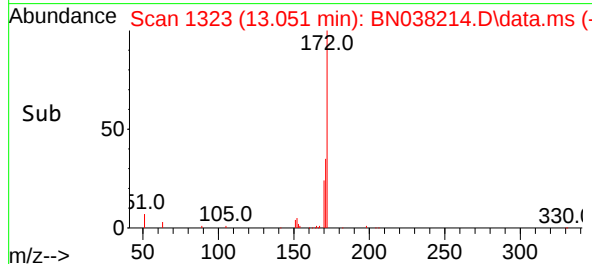
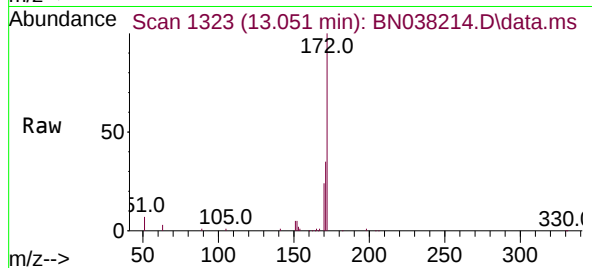




#15
2-Fluorobiphenyl
Concen: 0.412 ng
RT: 13.051 min Scan# 1323
Delta R.T. 0.000 min
Lab File: BN038214.D
Acq: 26 Nov 2025 21:48

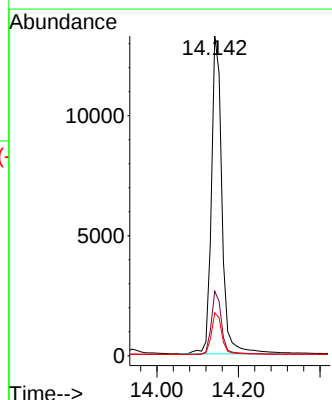
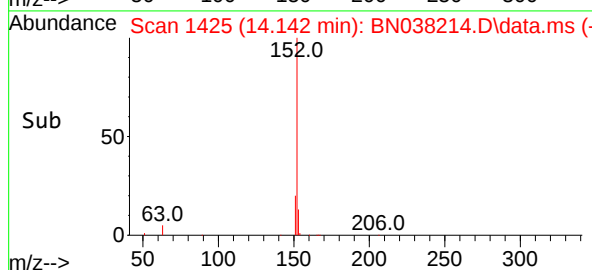
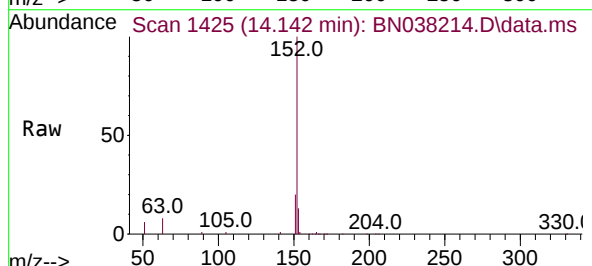
Instrument :
BNA_N
ClientSampleId :
SSTDICCC0.4

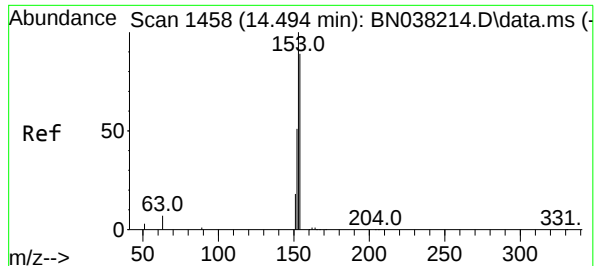
Tgt Ion:	172	Resp:	21045
Ion Ratio	Lower	Upper	
172	100		
171	35.1	28.1	42.1
170	23.9	19.1	28.7



#16
Acenaphthylene
Concen: 0.403 ng
RT: 14.142 min Scan# 1425
Delta R.T. 0.000 min
Lab File: BN038214.D
Acq: 26 Nov 2025 21:48

Tgt Ion:	152	Resp:	23834
Ion Ratio	Lower	Upper	
152	100		
151	19.5	15.6	23.4
153	13.2	10.6	15.8

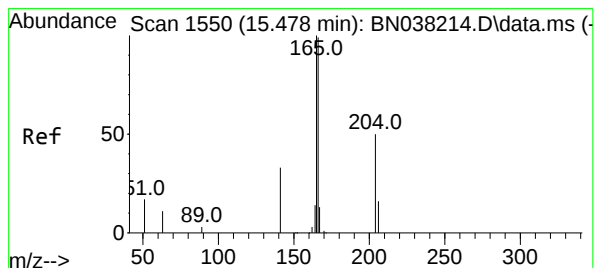
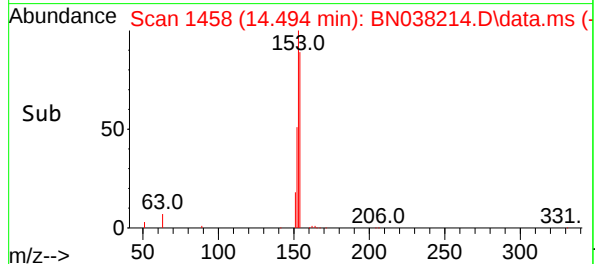
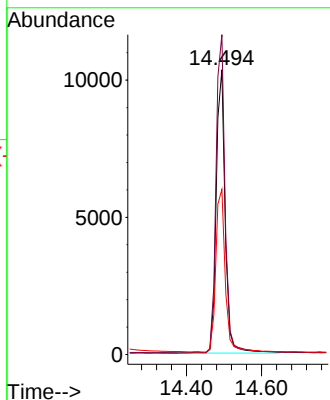
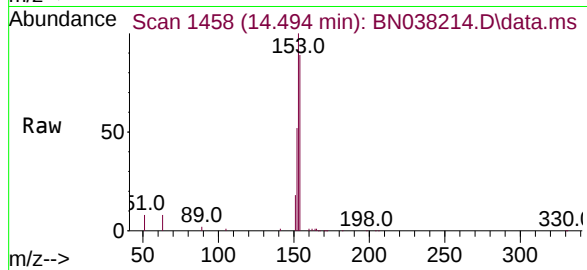




#17
Acenaphthene
Concen: 0.414 ng
RT: 14.494 min Scan# 1458
Delta R.T. 0.000 min
Lab File: BN038214.D
Acq: 26 Nov 2025 21:48

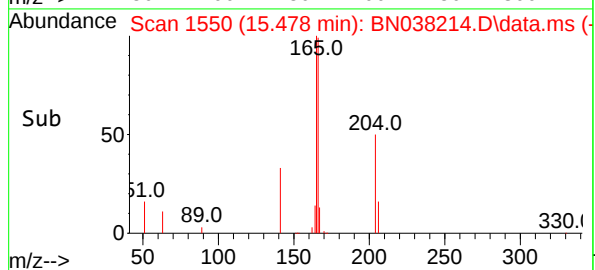
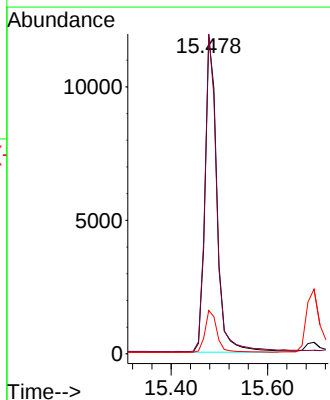
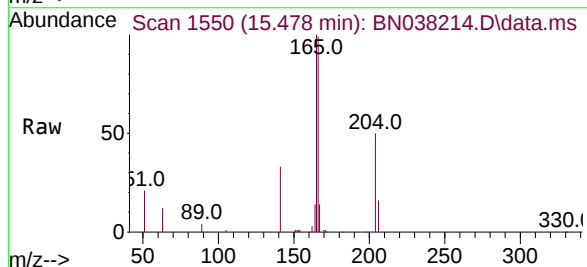
Instrument :
BNA_N
ClientSampleId :
SSTDICCC0.4

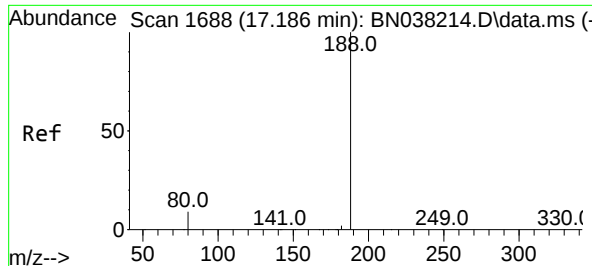
Tgt Ion:154 Resp: 17100
Ion Ratio Lower Upper
154 100
153 113.9 91.1 136.7
152 60.2 48.2 72.2



#18
Fluorene
Concen: 0.409 ng
RT: 15.478 min Scan# 1550
Delta R.T. -0.000 min
Lab File: BN038214.D
Acq: 26 Nov 2025 21:48

Tgt Ion:166 Resp: 21837
Ion Ratio Lower Upper
166 100
165 98.4 78.7 118.1
167 13.6 10.9 16.3





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 17.186 min Scan# 1688

Delta R.T. 0.000 min

Lab File: BN038214.D

Acq: 26 Nov 2025 21:48

Instrument :

BNA_N

ClientSampleId :

SSTDICCC0.4

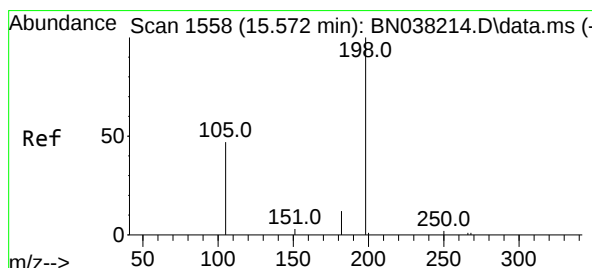
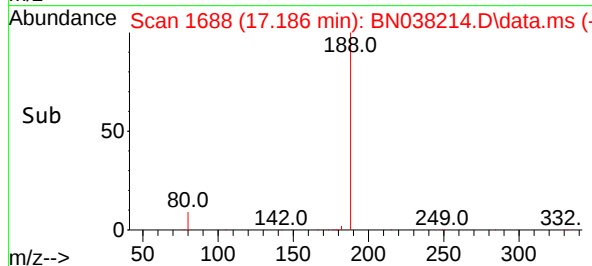
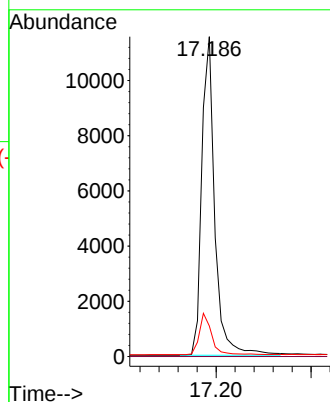
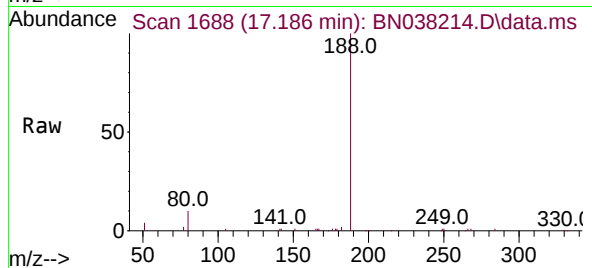
Tgt Ion:188 Resp: 21844

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

80 9.6 7.7 11.5



#20

4,6-Dinitro-2-methylphenol

Concen: 0.399 ng

RT: 15.572 min Scan# 1558

Delta R.T. 0.000 min

Lab File: BN038214.D

Acq: 26 Nov 2025 21:48

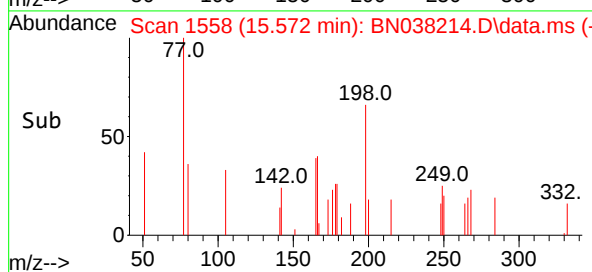
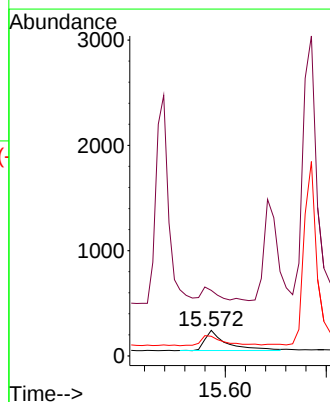
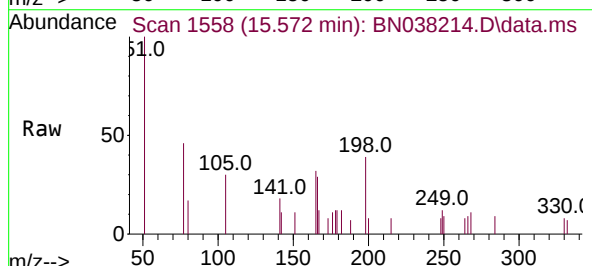
Tgt Ion:198 Resp: 568

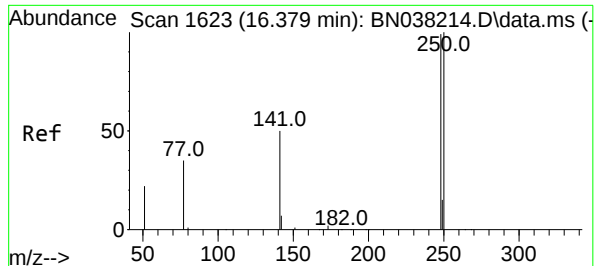
Ion Ratio Lower Upper

198 100

51 256.4 205.1 307.7

105 77.0 61.6 92.4

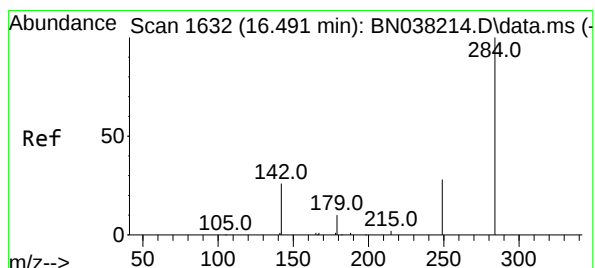
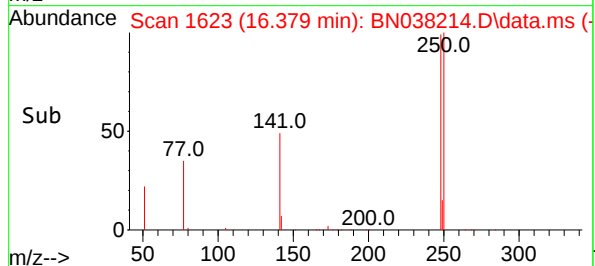
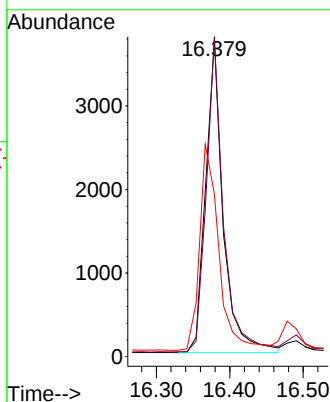
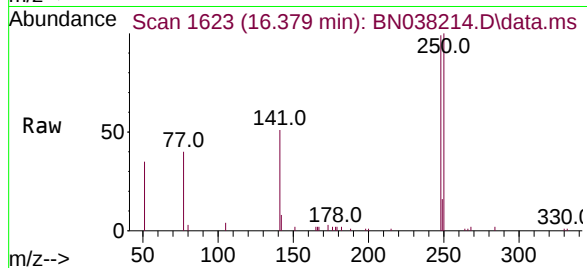




#21
4-Bromophenyl-phenylether
Concen: 0.411 ng
RT: 16.379 min Scan# 1623
Delta R.T. 0.000 min
Lab File: BN038214.D
Acq: 26 Nov 2025 21:48

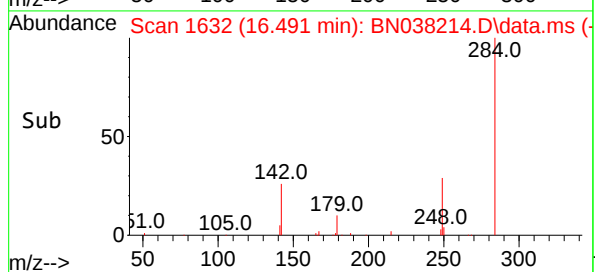
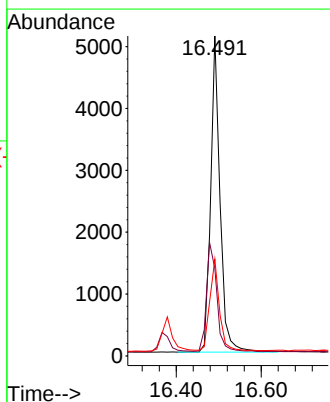
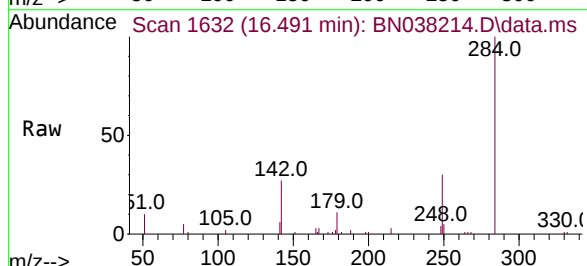
Instrument :
BNA_N
ClientSampleId :
SSTDICCC0.4

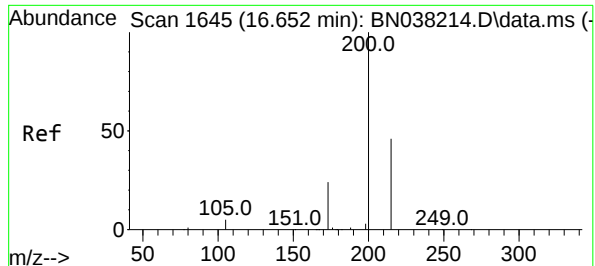
Tgt Ion	Ratio	Lower	Upper
248	100		
250	101.0	80.8	121.2
141	51.3	41.0	61.6



#22
Hexachlorobenzene
Concen: 0.420 ng
RT: 16.491 min Scan# 1632
Delta R.T. 0.000 min
Lab File: BN038214.D
Acq: 26 Nov 2025 21:48

Tgt Ion	Ratio	Lower	Upper
284	100		
142	38.1	30.5	45.7
249	29.8	23.8	35.8

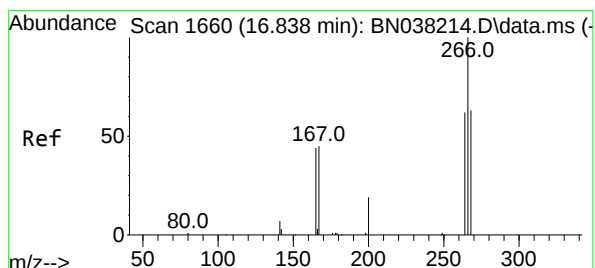
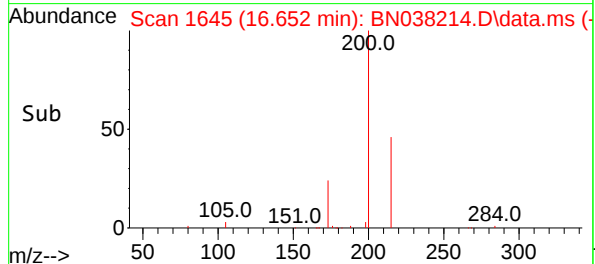
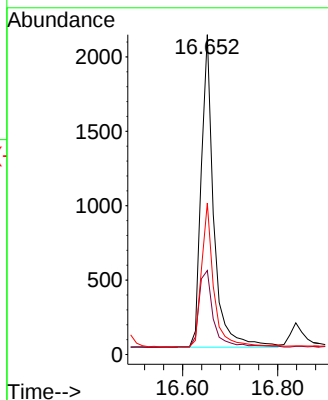
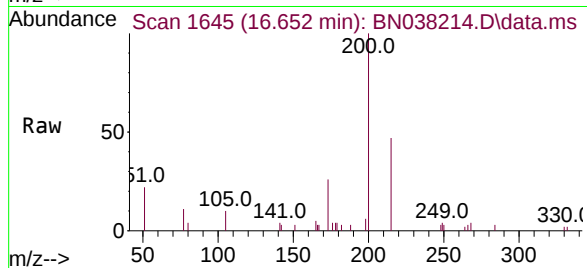




#23
Atrazine
Concen: 0.395 ng
RT: 16.652 min Scan# 1645
Delta R.T. 0.000 min
Lab File: BN038214.D
Acq: 26 Nov 2025 21:48

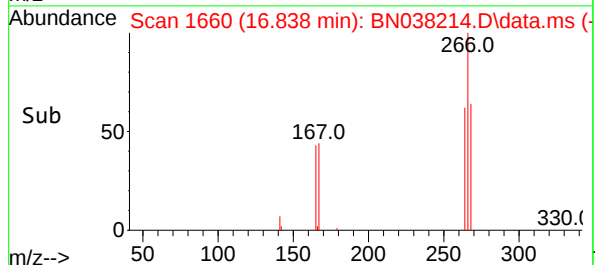
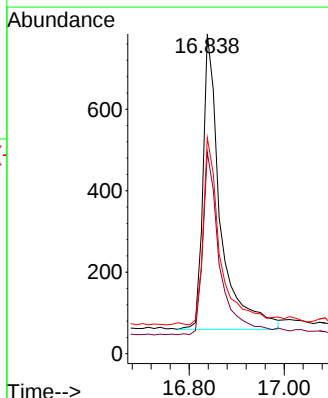
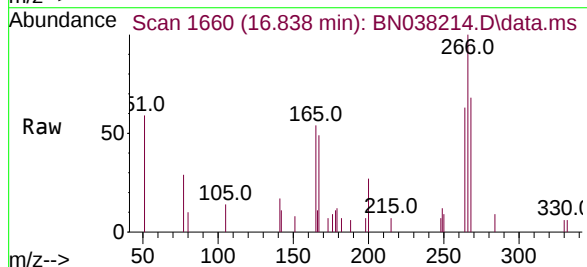
Instrument :
BNA_N
ClientSampleId :
SSTDICCC0.4

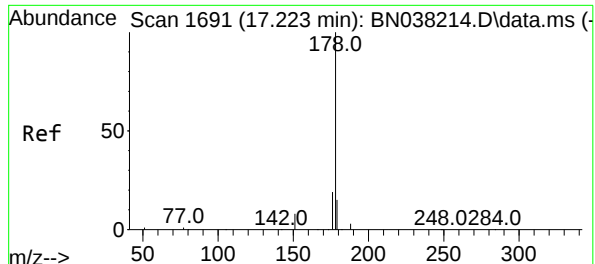
Tgt Ion	Ratio	Lower	Upper
200	100		
173	26.3	21.0	31.6
215	47.3	37.8	56.8



#24
Pentachlorophenol
Concen: 0.361 ng
RT: 16.838 min Scan# 1660
Delta R.T. 0.000 min
Lab File: BN038214.D
Acq: 26 Nov 2025 21:48

Tgt Ion	Ratio	Lower	Upper
266	100		
264	61.1	48.9	73.3
268	62.7	50.2	75.2





#25

Phenanthrene

Concen: 0.418 ng

RT: 17.223 min Scan# 1691

Delta R.T. 0.000 min

Lab File: BN038214.D

Acq: 26 Nov 2025 21:48

Instrument :

BNA_N

ClientSampleId :

SSTDICCC0.4

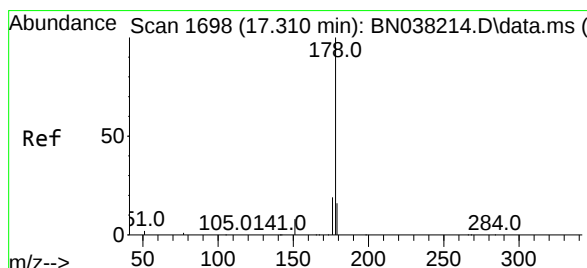
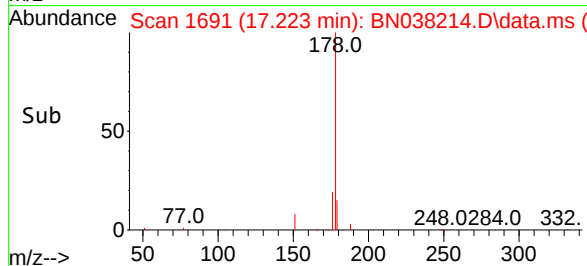
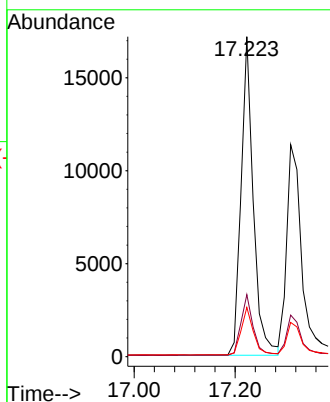
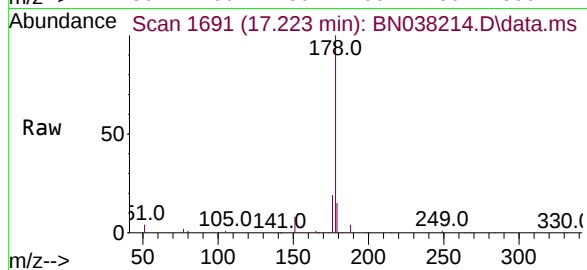
Tgt Ion:178 Resp: 28648

Ion Ratio Lower Upper

178 100

176 19.1 15.3 22.9

179 15.0 12.0 18.0



#26

Anthracene

Concen: 0.399 ng

RT: 17.310 min Scan# 1698

Delta R.T. 0.000 min

Lab File: BN038214.D

Acq: 26 Nov 2025 21:48

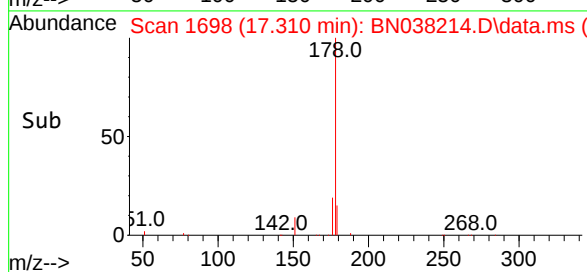
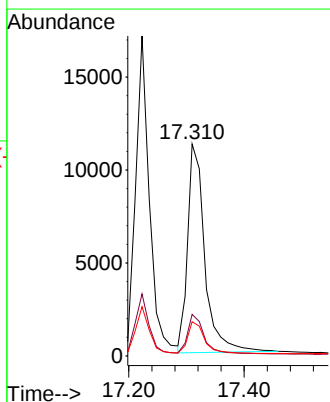
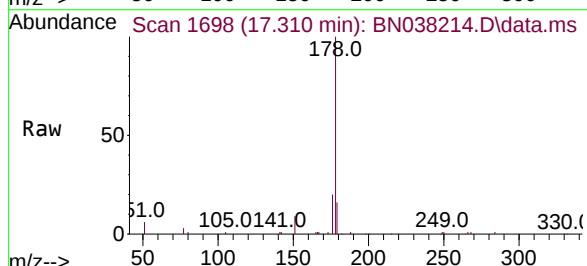
Tgt Ion:178 Resp: 23328

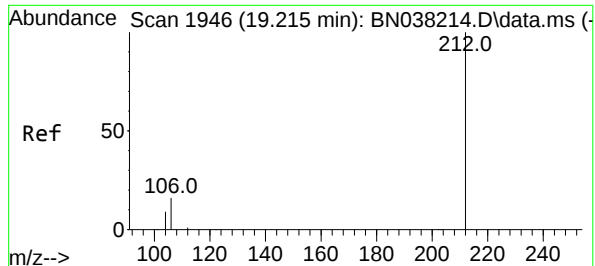
Ion Ratio Lower Upper

178 100

176 18.5 14.7 22.1

179 15.2 12.3 18.5





#27

Fluoranthene-d10

Concen: 0.410 ng

RT: 19.215 min Scan# 1946

Delta R.T. 0.000 min

Lab File: BN038214.D

Acq: 26 Nov 2025 21:48

Instrument :

BNA_N

ClientSampleId :

SSTDICCC0.4

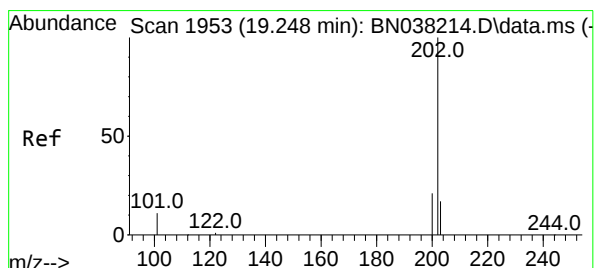
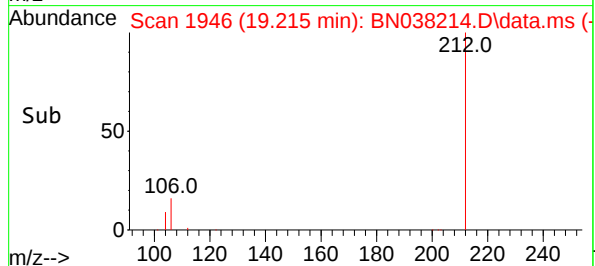
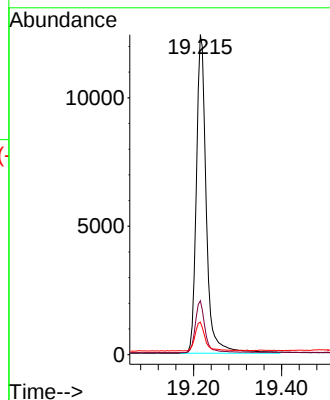
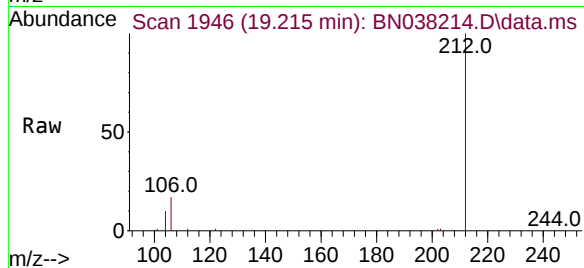
Tgt Ion:212 Resp: 19448

Ion Ratio Lower Upper

212 100

106 15.9 12.7 19.1

104 9.1 7.3 10.9



#28

Fluoranthene

Concen: 0.406 ng

RT: 19.248 min Scan# 1953

Delta R.T. 0.000 min

Lab File: BN038214.D

Acq: 26 Nov 2025 21:48

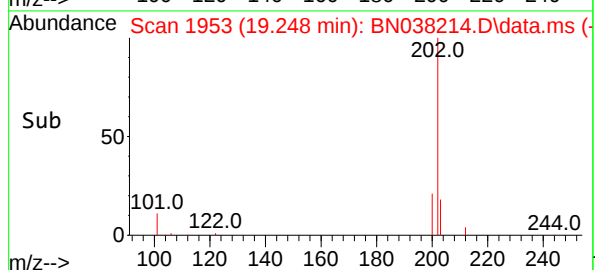
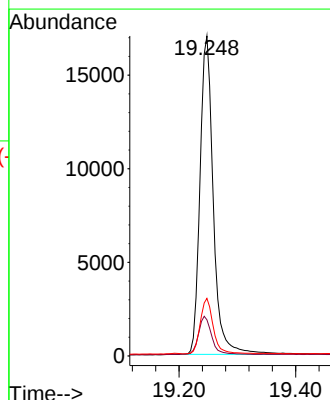
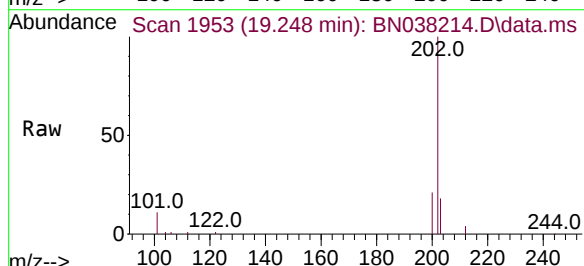
Tgt Ion:202 Resp: 26807

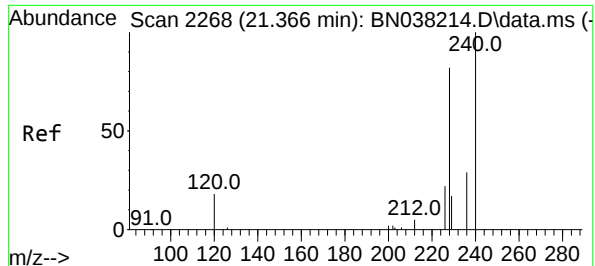
Ion Ratio Lower Upper

202 100

101 12.2 9.8 14.6

203 17.0 13.6 20.4





#29

Chrysene-d12

Concen: 0.400 ng

RT: 21.366 min Scan# 21

Delta R.T. 0.000 min

Lab File: BN038214.D

Acq: 26 Nov 2025 21:48

Instrument :

BNA_N

ClientSampleId :

SSTDICCC0.4

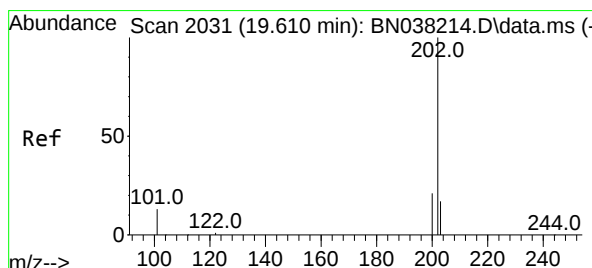
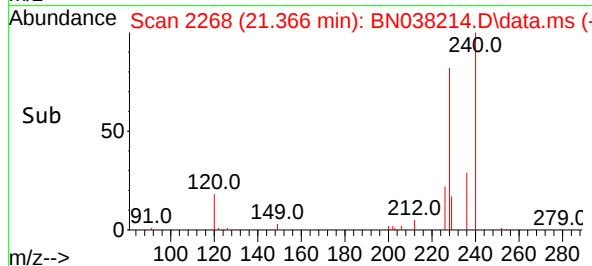
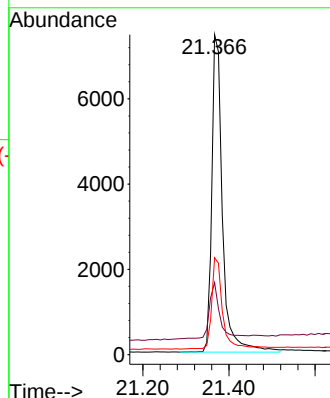
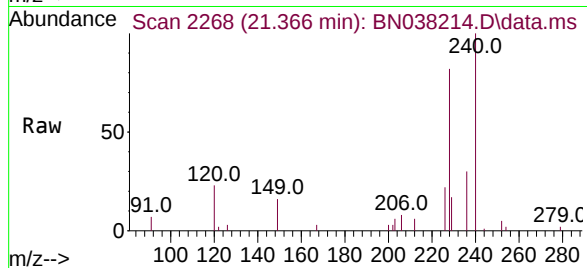
Tgt Ion:240 Resp: 12804

Ion Ratio Lower Upper

240 100

120 22.6 18.1 27.1

236 30.3 24.2 36.4



#30

Pyrene

Concen: 0.418 ng

RT: 19.610 min Scan# 2031

Delta R.T. 0.000 min

Lab File: BN038214.D

Acq: 26 Nov 2025 21:48

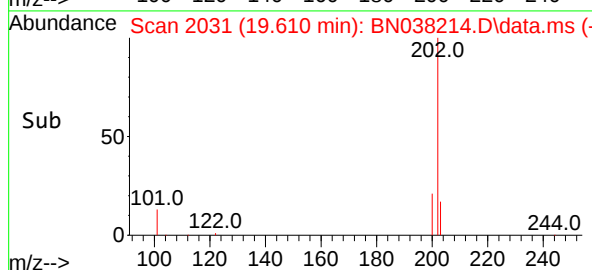
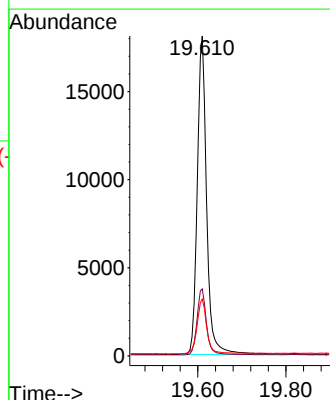
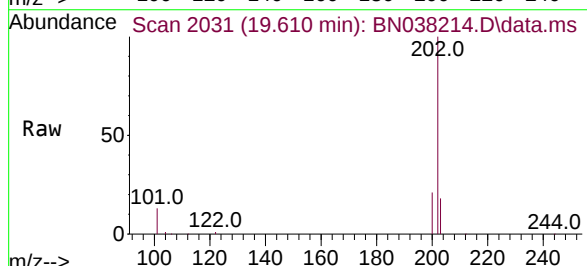
Tgt Ion:202 Resp: 26725

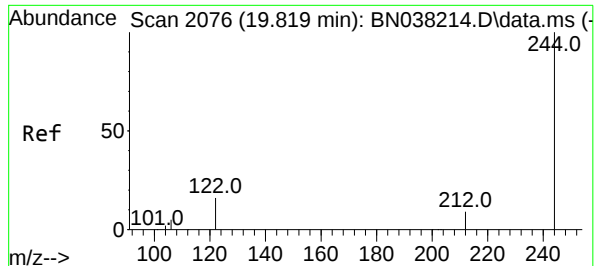
Ion Ratio Lower Upper

202 100

200 21.0 16.8 25.2

203 18.0 14.4 21.6

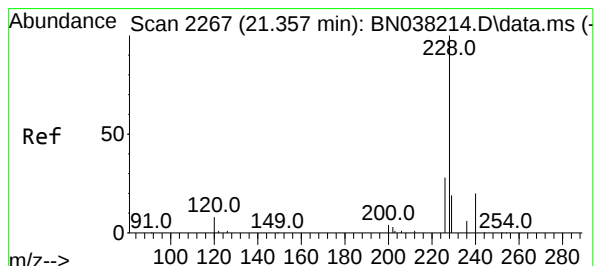
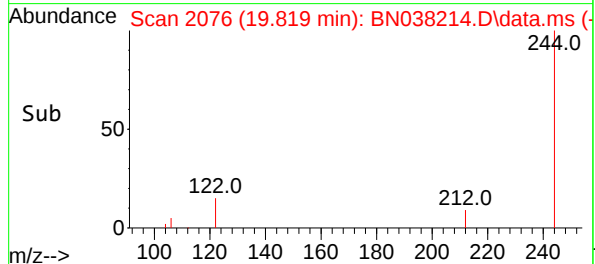
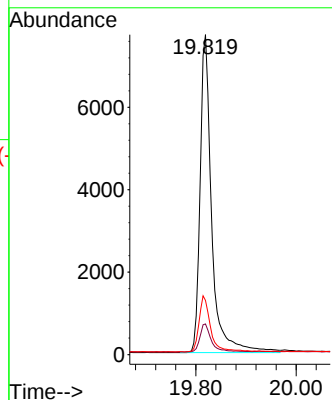
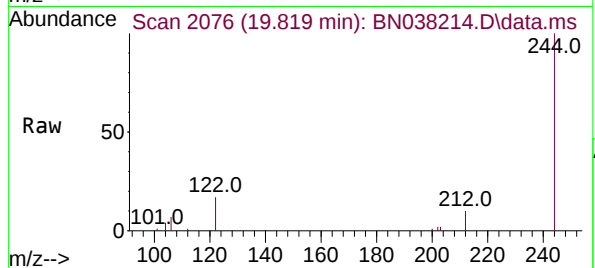




#31
Terphenyl-d14
Concen: 0.417 ng
RT: 19.819 min Scan# 2076
Delta R.T. 0.000 min
Lab File: BN038214.D
Acq: 26 Nov 2025 21:48

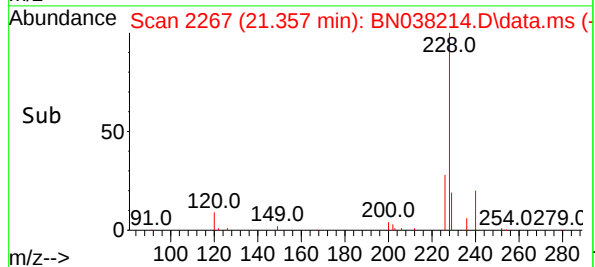
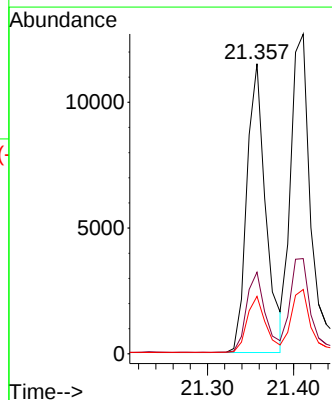
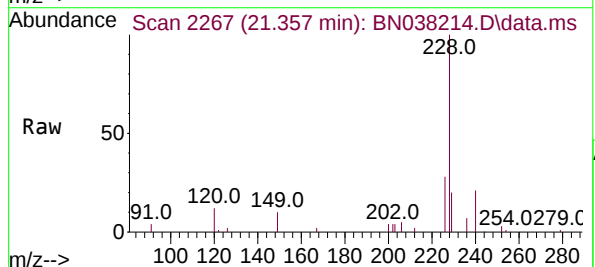
Instrument :
BNA_N
ClientSampleId :
SSTDICCC0.4

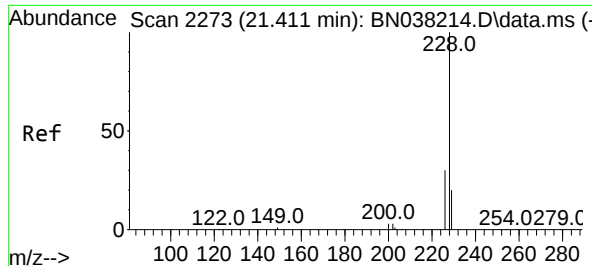
Tgt Ion:244 Resp: 12317
Ion Ratio Lower Upper
244 100
212 9.6 7.7 11.5
122 17.0 13.6 20.4



#32
Benzo(a)anthracene
Concen: 0.404 ng
RT: 21.357 min Scan# 2267
Delta R.T. 0.000 min
Lab File: BN038214.D
Acq: 26 Nov 2025 21:48

Tgt Ion:228 Resp: 17510
Ion Ratio Lower Upper
228 100
226 28.2 22.6 33.8
229 19.8 15.8 23.8





#33

Chrysene

Concen: 0.416 ng

RT: 21.411 min Scan# 21

Delta R.T. 0.000 min

Lab File: BN038214.D

Acq: 26 Nov 2025 21:48

Instrument :

BNA_N

ClientSampleId :

SSTDICCC0.4

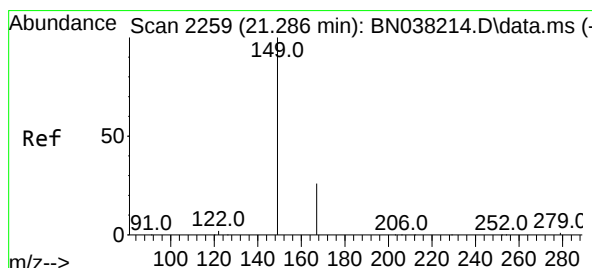
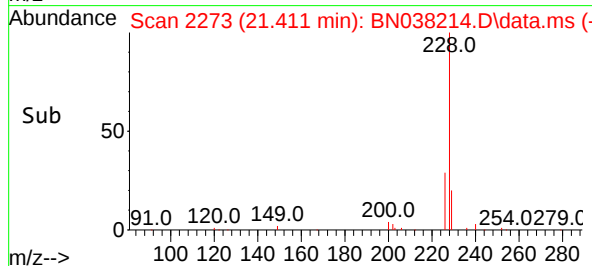
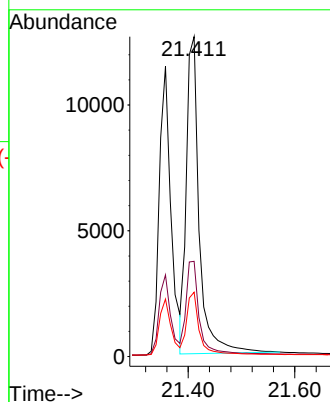
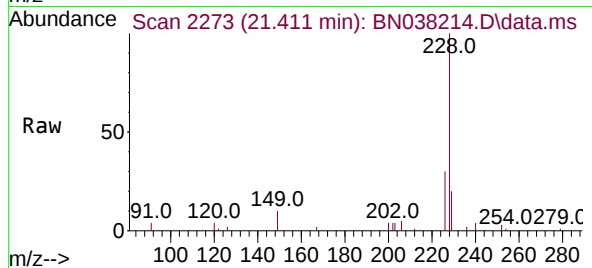
Tgt Ion:228 Resp: 21267

Ion Ratio Lower Upper

228 100

226 29.8 23.8 35.8

229 20.1 16.1 24.1



#34

Bis(2-ethylhexyl)phthalate

Concen: 0.432 ng

RT: 21.286 min Scan# 2259

Delta R.T. 0.000 min

Lab File: BN038214.D

Acq: 26 Nov 2025 21:48

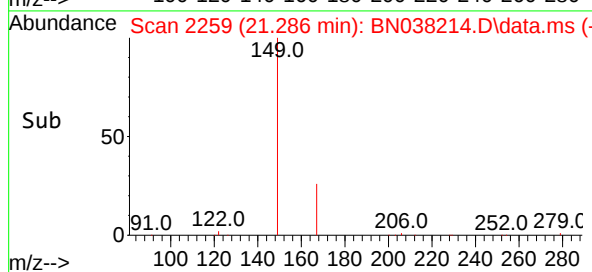
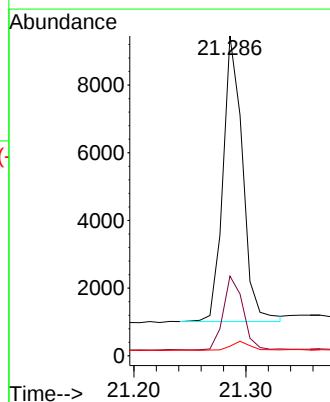
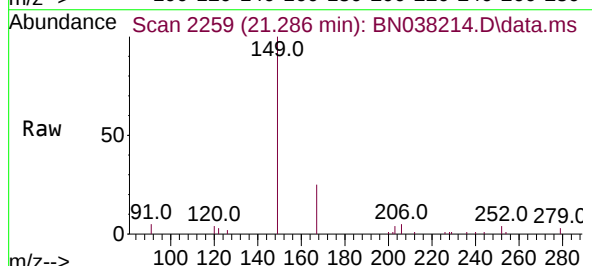
Tgt Ion:149 Resp: 10262

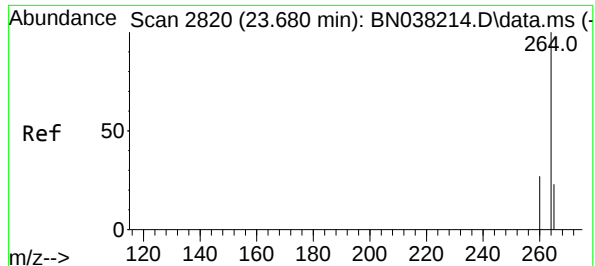
Ion Ratio Lower Upper

149 100

167 25.9 20.7 31.1

279 3.1 2.5 3.7





#35

Perylene-d12

Concen: 0.400 ng

RT: 23.680 min Scan# 2820

Delta R.T. 0.000 min

Lab File: BN038214.D

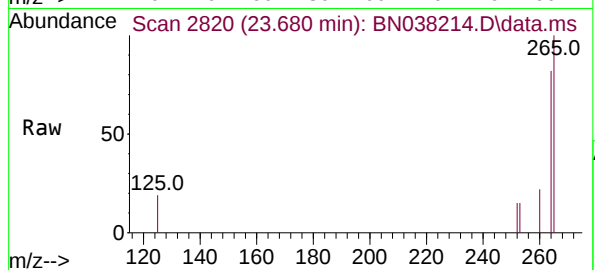
Acq: 26 Nov 2025 21:48

Instrument :

BNA_N

ClientSampleId :

SSTDICCC0.4



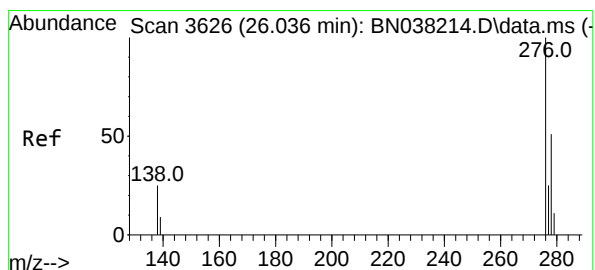
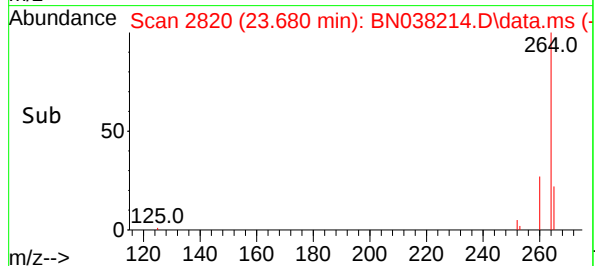
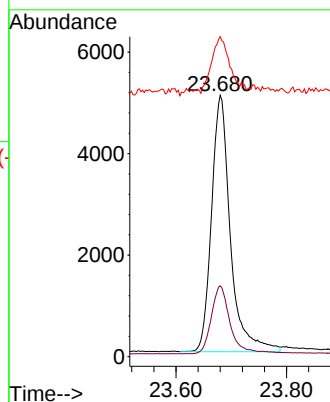
Tgt Ion:264 Resp: 11960

Ion Ratio Lower Upper

264 100

260 27.1 21.7 32.5

265 122.5 98.0 147.0



#36

Indeno(1,2,3-cd)pyrene

Concen: 0.405 ng

RT: 26.036 min Scan# 3626

Delta R.T. 0.000 min

Lab File: BN038214.D

Acq: 26 Nov 2025 21:48

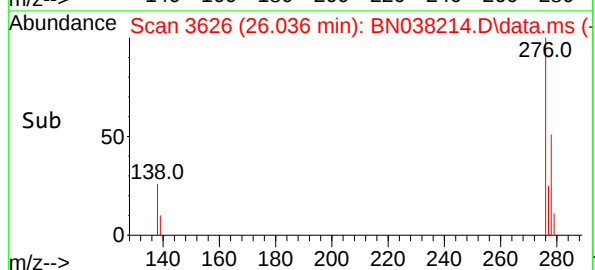
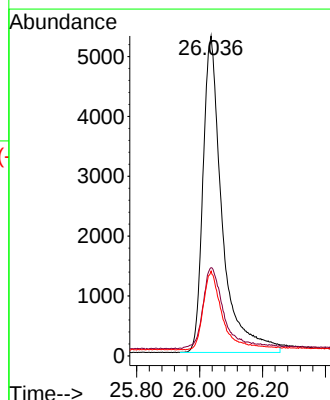
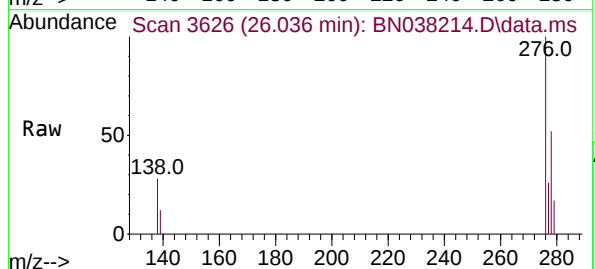
Tgt Ion:276 Resp: 22427

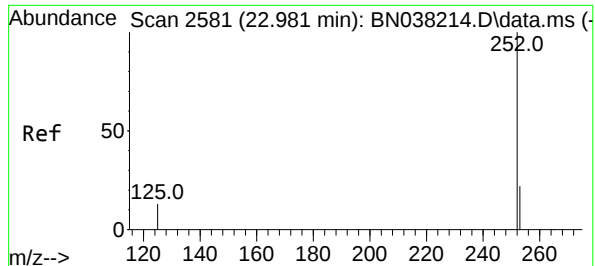
Ion Ratio Lower Upper

276 100

138 26.8 21.4 32.2

277 23.9 19.1 28.7





#37

Benzo(b)fluoranthene

Concen: 0.415 ng

RT: 22.981 min Scan# 2581

Delta R.T. 0.000 min

Lab File: BN038214.D

Acq: 26 Nov 2025 21:48

Instrument :

BNA_N

ClientSampleId :

SSTDICCC0.4

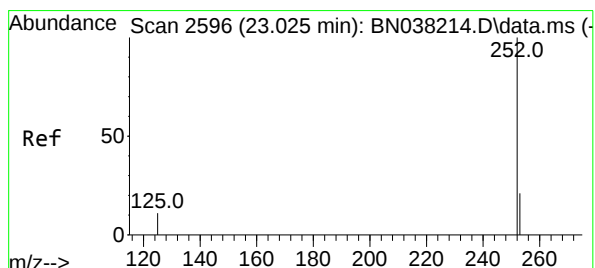
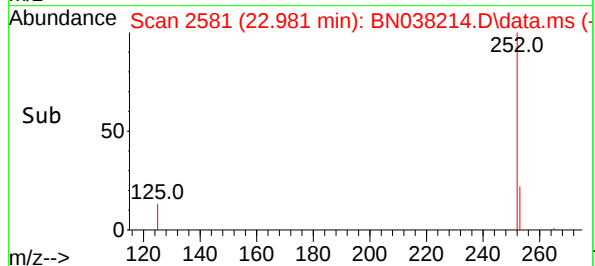
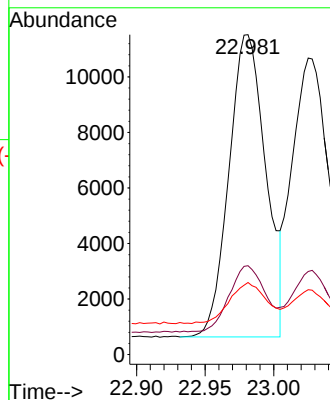
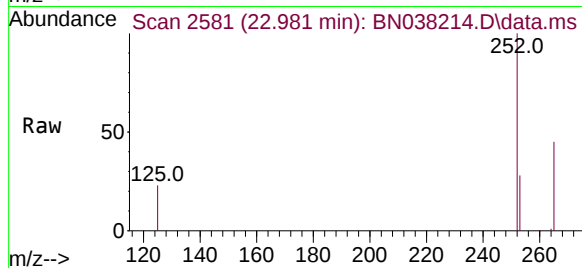
Tgt Ion:252 Resp: 20366

Ion Ratio Lower Upper

252 100

253 27.8 22.2 33.4

125 22.5 18.0 27.0



#38

Benzo(k)fluoranthene

Concen: 0.412 ng

RT: 23.025 min Scan# 2596

Delta R.T. 0.000 min

Lab File: BN038214.D

Acq: 26 Nov 2025 21:48

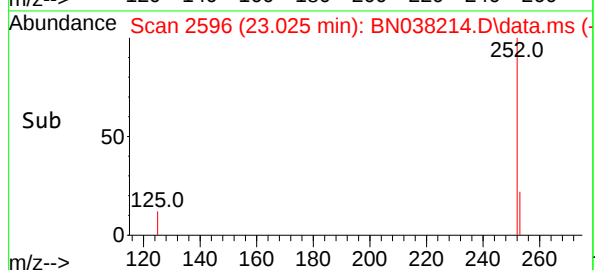
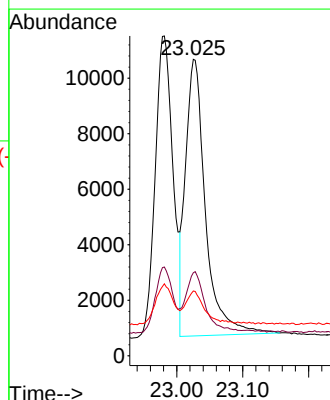
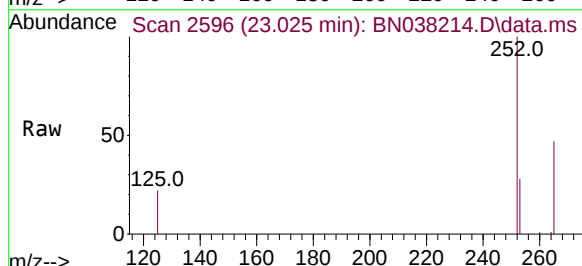
Tgt Ion:252 Resp: 21024

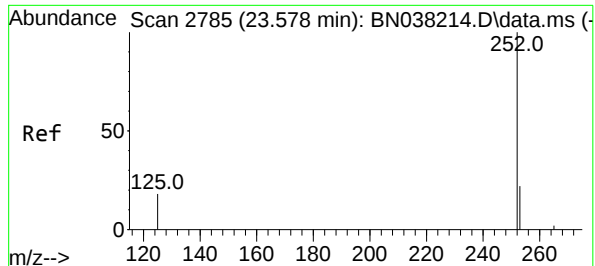
Ion Ratio Lower Upper

252 100

253 28.0 22.4 33.6

125 21.9 17.5 26.3





#39

Benzo(a)pyrene

Concen: 0.403 ng

RT: 23.578 min Scan# 21

Delta R.T. 0.000 min

Lab File: BN038214.D

Acq: 26 Nov 2025 21:48

Instrument :

BNA_N

ClientSampleId :

SSTDICCC0.4

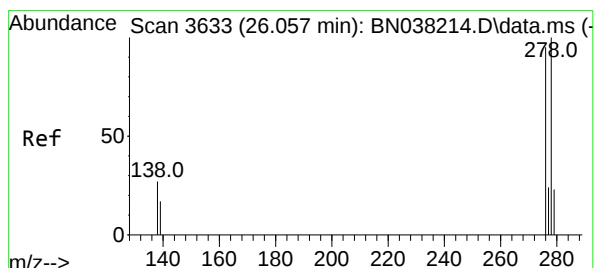
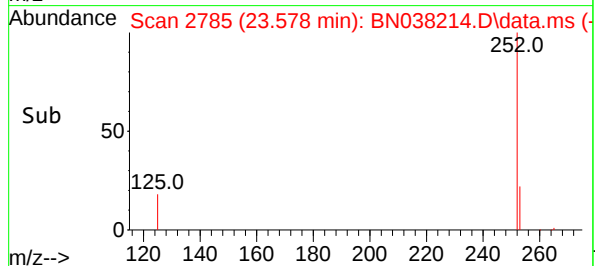
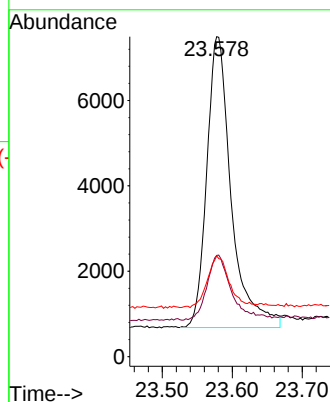
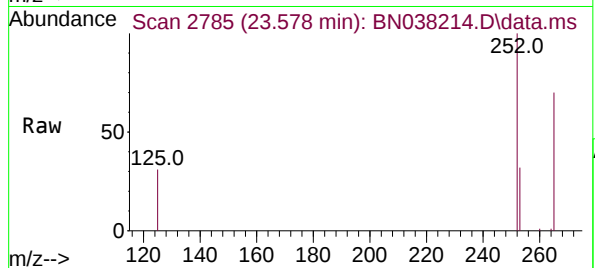
Tgt Ion:252 Resp: 16572

Ion Ratio Lower Upper

252 100

253 31.6 25.3 37.9

125 31.5 25.2 37.8



#40

Dibenzo(a,h)anthracene

Concen: 0.394 ng

RT: 26.057 min Scan# 3633

Delta R.T. 0.000 min

Lab File: BN038214.D

Acq: 26 Nov 2025 21:48

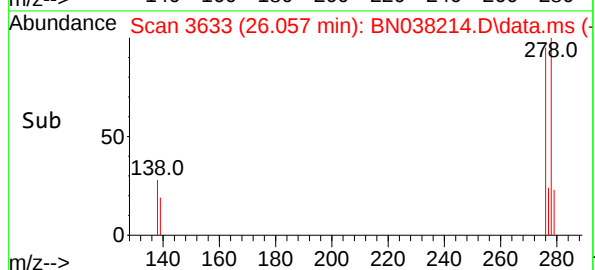
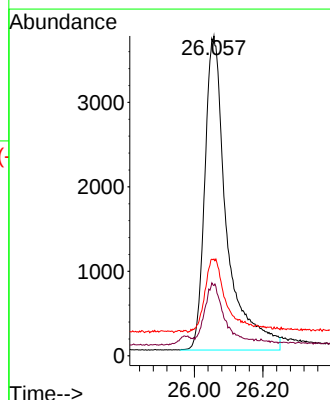
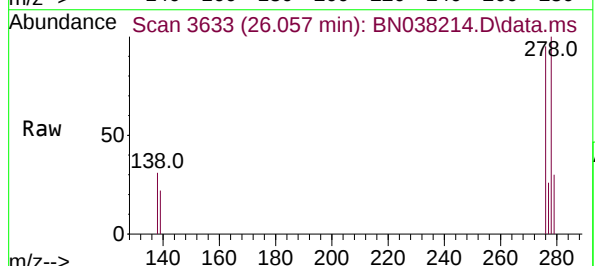
Tgt Ion:278 Resp: 16493

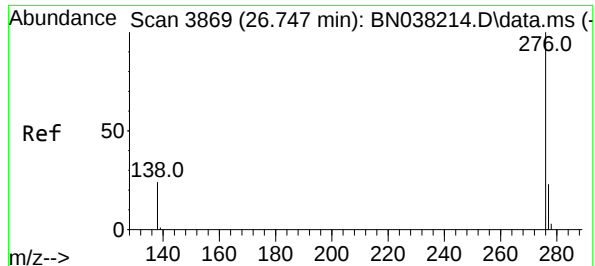
Ion Ratio Lower Upper

278 100

139 22.0 17.6 26.4

279 30.3 24.2 36.4





#41

Benzo(g,h,i)perylene

Concen: 0.413 ng

RT: 26.747 min Scan# 3869

Delta R.T. 0.000 min

Lab File: BN038214.D

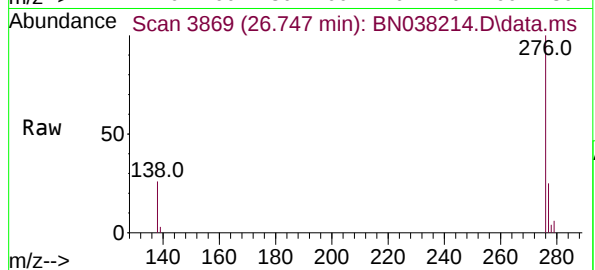
Acq: 26 Nov 2025 21:48

Instrument :

BNA_N

ClientSampleId :

SSTDICCC0.4



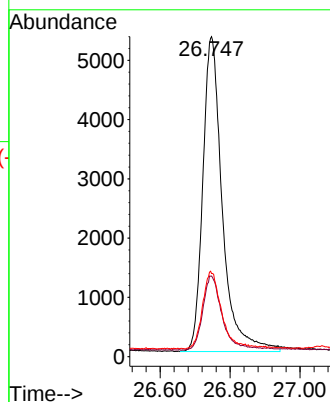
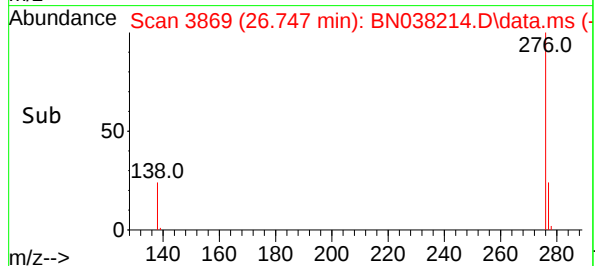
Tgt Ion:276 Resp: 20578

Ion Ratio Lower Upper

276 100

277 25.2 20.2 30.2

138 26.0 20.8 31.2



Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN112725\
 Data File : BN038215.D
 Acq On : 26 Nov 2025 22:25
 Operator : RC/JU
 Sample : SSTDICC0.8
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 SSTDICC0.8

Quant Time: Nov 28 20:55:08 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN112725.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Nov 28 20:22:09 2025
 Response via : Initial Calibration

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

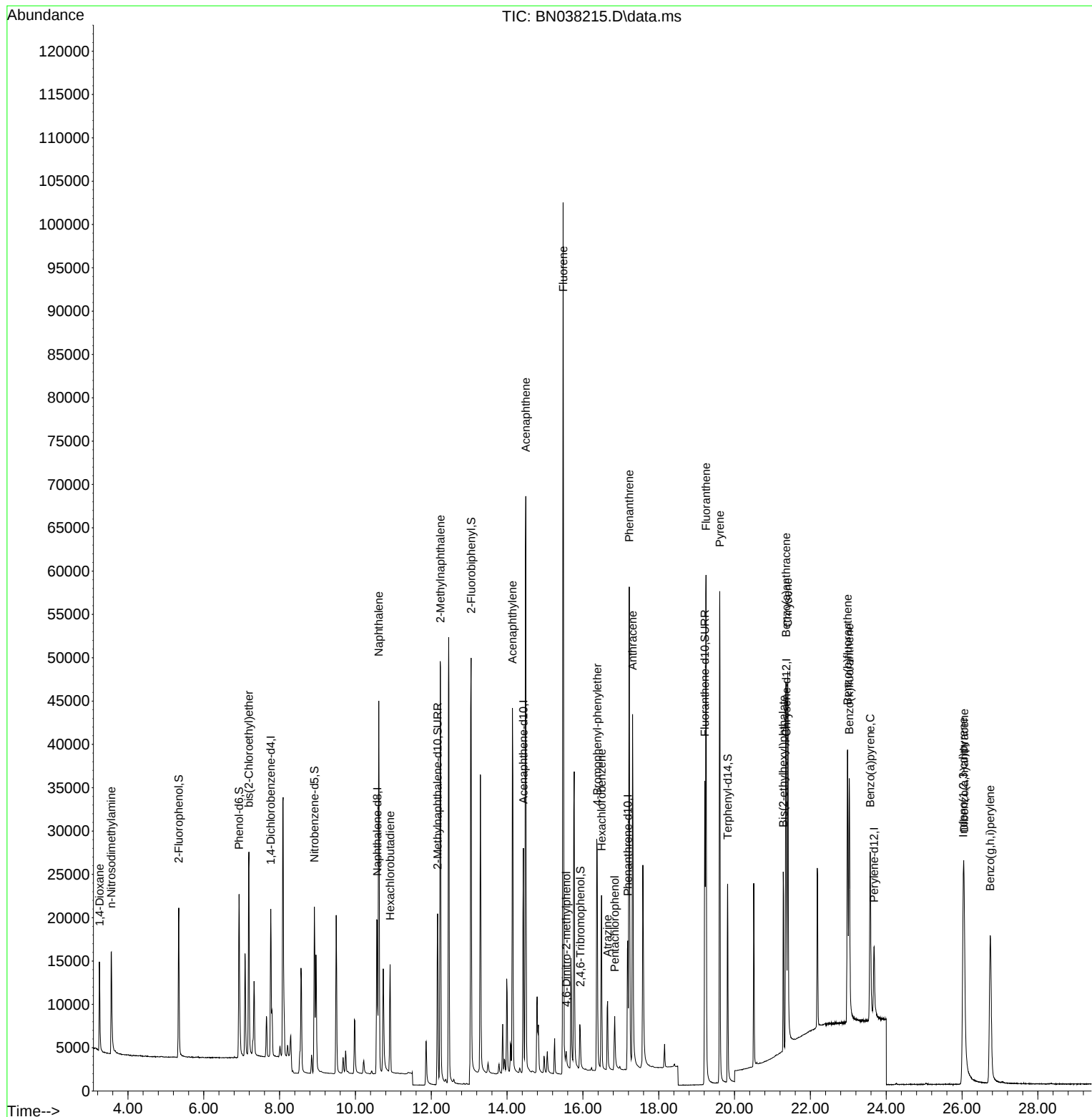
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.768	152	8546	0.400	ng	0.00
7) Naphthalene-d8	10.573	136	26276	0.400	ng	0.00
13) Acenaphthene-d10	14.430	164	14915	0.400	ng	0.00
19) Phenanthrene-d10	17.186	188	25075	0.400	ng	0.00
29) Chrysene-d12	21.366	240	14204	0.400	ng	0.00
35) Perylene-d12	23.680	264	12837	0.400	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.341	112	15064	0.754	ng	0.00
5) Phenol-d6	6.930	99	18777	0.752	ng	0.00
8) Nitrobenzene-d5	8.918	82	15990	0.761	ng	0.00
11) 2-Methylnaphthalene-d10	12.167	152	29298	0.785	ng	0.00
14) 2,4,6-Tribromophenol	15.932	330	3651	0.778	ng	0.00
15) 2-Fluorobiphenyl	13.051	172	46122	0.801	ng	0.00
27) Fluoranthene-d10	19.215	212	40949	0.753	ng	0.00
31) Terphenyl-d14	19.819	244	25737	0.785	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.254	88	6773	0.752	ng	98
3) n-Nitrosodimethylamine	3.557	42	8767	0.790	ng	# 97
6) bis(2-Chloroethyl)ether	7.190	93	18562	0.777	ng	99
9) Naphthalene	10.616	128	56483	0.774	ng	99
10) Hexachlorobutadiene	10.915	225	9583	0.772	ng	# 98
12) 2-Methylnaphthalene	12.243	142	37750	0.786	ng	99
16) Acenaphthylene	14.142	152	50771	0.761	ng	100
17) Acenaphthene	14.494	154	35729	0.768	ng	100
18) Fluorene	15.478	166	46865	0.779	ng	99
20) 4,6-Dinitro-2-methylph...	15.560	198	1567	0.756	ng	# 38
21) 4-Bromophenyl-phenylether	16.379	248	13443	0.774	ng	96
22) Hexachlorobenzene	16.491	284	16054	0.752	ng	99
23) Atrazine	16.652	200	8217	0.741	ng	96
24) Pentachlorophenol	16.838	266	3987	0.681	ng	98
25) Phenanthrene	17.223	178	60297	0.766	ng	100
26) Anthracene	17.310	178	50969	0.759	ng	100
28) Fluoranthene	19.248	202	57482	0.758	ng	100
30) Pyrene	19.610	202	56009	0.789	ng	100
32) Benzo(a)anthracene	21.357	228	37504	0.780	ng	99
33) Chrysene	21.402	228	43104	0.759	ng	98
34) Bis(2-ethylhexyl)phtha...	21.286	149	19894	0.755	ng	99
36) Indeno(1,2,3-cd)pyrene	26.031	276	44577	0.750	ng	99
37) Benzo(b)fluoranthene	22.981	252	40731	0.773	ng	# 91
38) Benzo(k)fluoranthene	23.025	252	42564	0.777	ng	# 91
39) Benzo(a)pyrene	23.578	252	33796	0.765	ng	# 86
40) Dibenzo(a,h)anthracene	26.054	278	34639	0.770	ng	94
41) Benzo(g,h,i)perylene	26.744	276	41508	0.777	ng	100

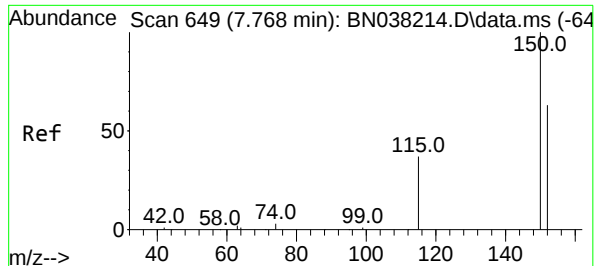
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN112725\
Data File : BN038215.D
Acq On : 26 Nov 2025 22:25
Operator : RC/JU
Sample : SSTDICC0.8
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.8

Quant Time: Nov 28 20:55:08 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN112725.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Nov 28 20:22:09 2025
Response via : Initial Calibration

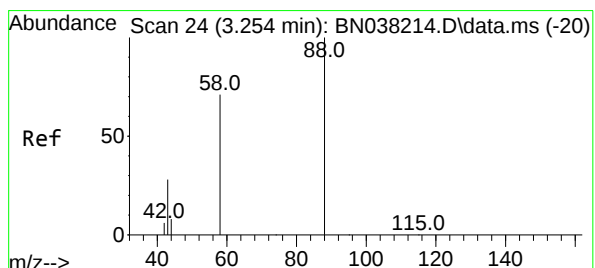
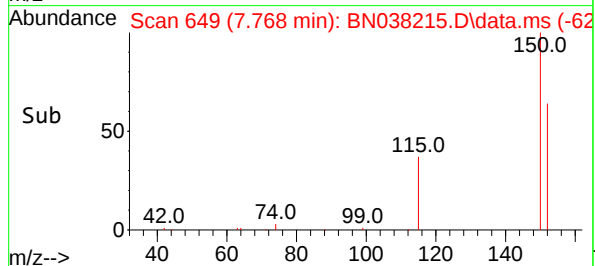
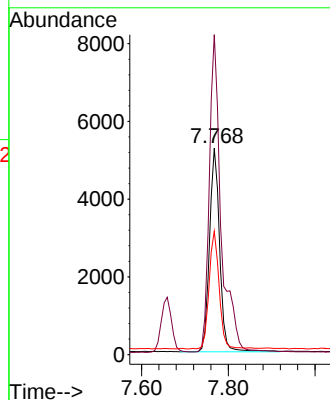
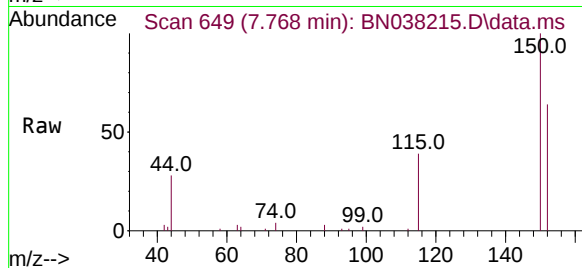




#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.768 min Scan# 64
Delta R.T. -0.000 min
Lab File: BN038215.D
Acq: 26 Nov 2025 22:25

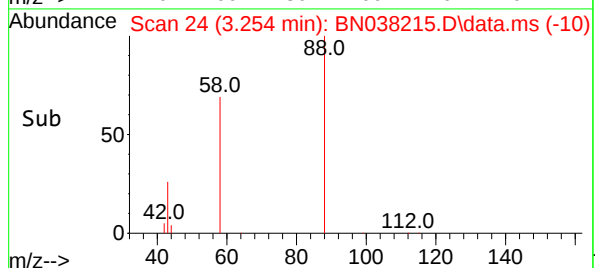
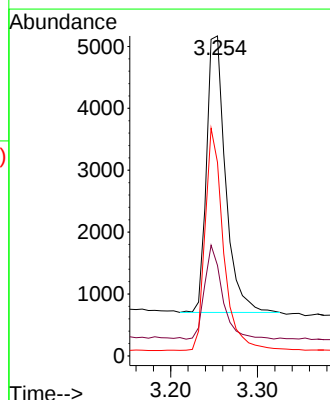
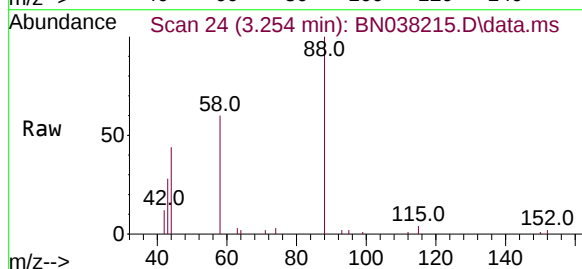
Instrument :
BNA_N
ClientSampleId :
SSTDICC0.8

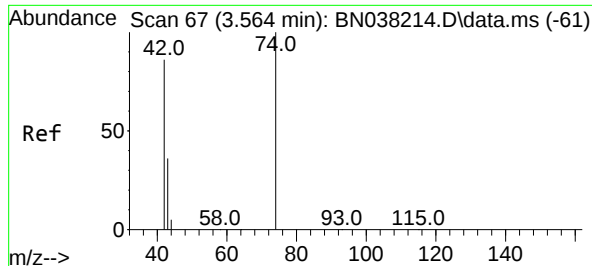
Tgt Ion:152 Resp: 8546
Ion Ratio Lower Upper
152 100
150 155.1 125.3 187.9
115 59.8 49.0 73.4



#2
1,4-Dioxane
Concen: 0.752 ng
RT: 3.254 min Scan# 24
Delta R.T. 0.000 min
Lab File: BN038215.D
Acq: 26 Nov 2025 22:25

Tgt Ion: 88 Resp: 6773
Ion Ratio Lower Upper
88 100
43 32.1 24.8 37.2
58 77.6 61.1 91.7

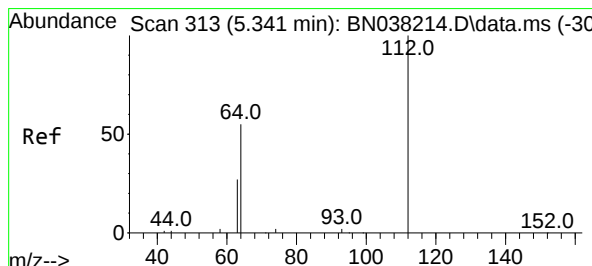
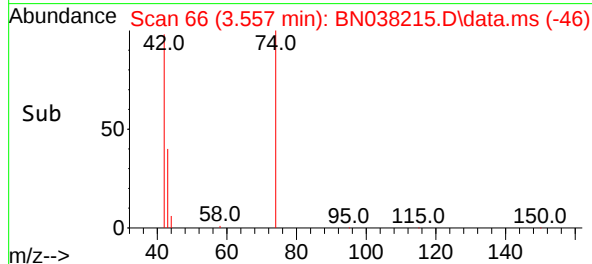
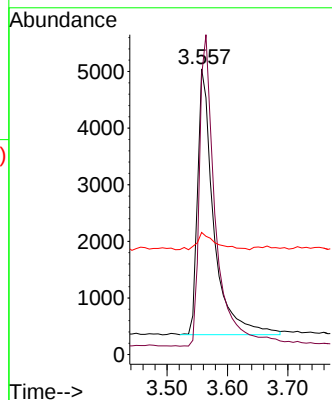
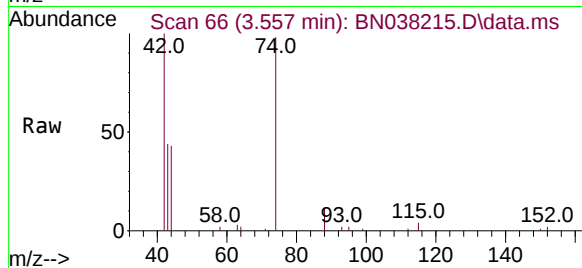




#3
n-Nitrosodimethylamine
Concen: 0.790 ng
RT: 3.557 min Scan# 60
Delta R.T. -0.007 min
Lab File: BN038215.D
Acq: 26 Nov 2025 22:25

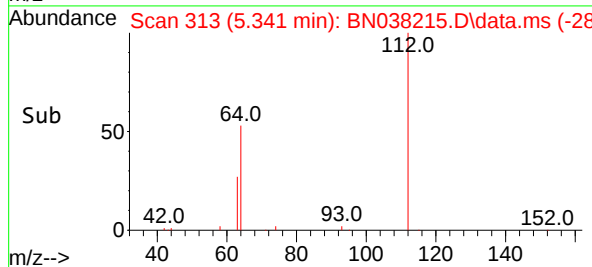
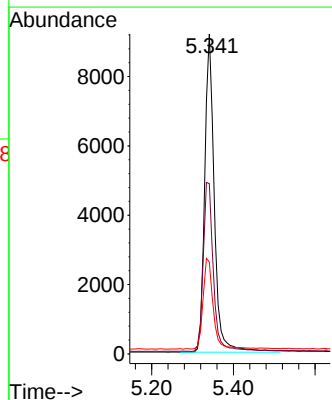
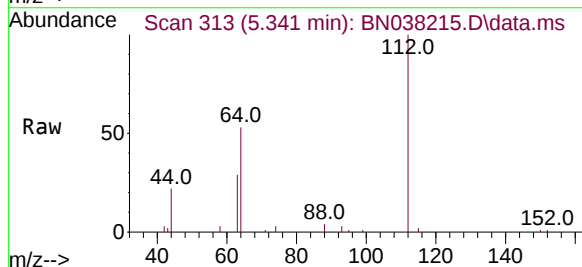
Instrument :
BNA_N
ClientSampleId :
SSTDICC0.8

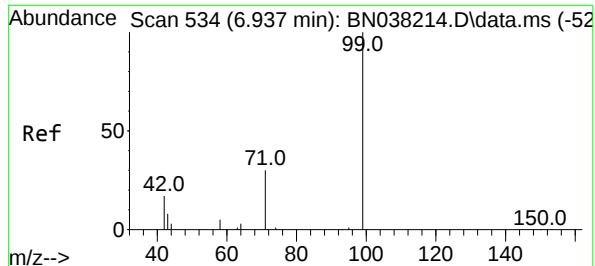
Tgt Ion: 42 Resp: 8767
Ion Ratio Lower Upper
42 100
74 117.4 96.2 144.2
44 7.3 8.0 12.0#



#4
2-Fluorophenol
Concen: 0.754 ng
RT: 5.341 min Scan# 313
Delta R.T. 0.000 min
Lab File: BN038215.D
Acq: 26 Nov 2025 22:25

Tgt Ion: 112 Resp: 15064
Ion Ratio Lower Upper
112 100
64 56.7 45.0 67.4
63 30.1 23.2 34.8

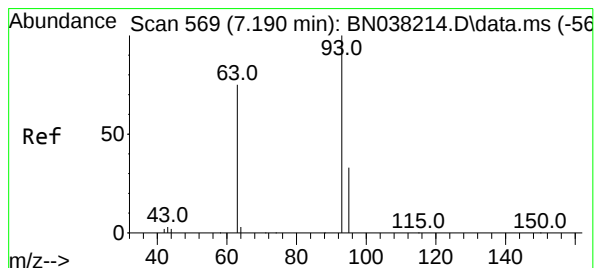
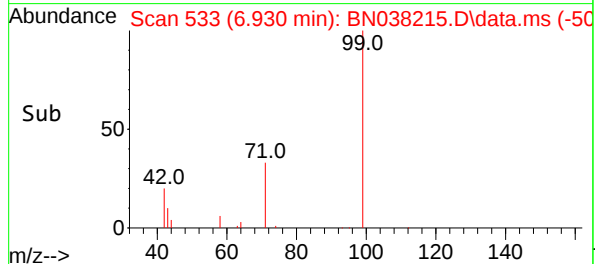
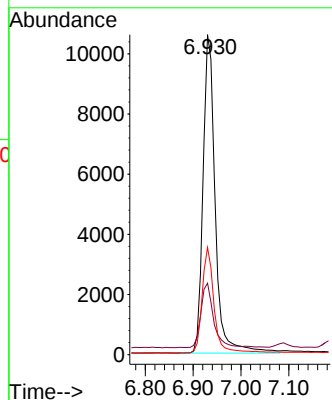
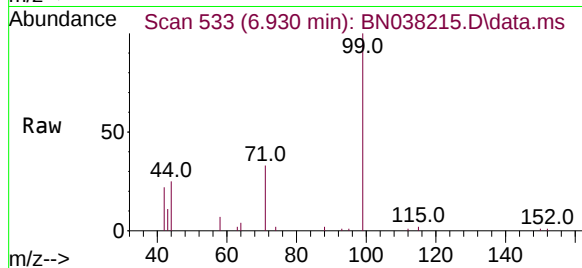




#5
Phenol-d6
Concen: 0.752 ng
RT: 6.930 min Scan# 534
Delta R.T. -0.007 min
Lab File: BN038215.D
Acq: 26 Nov 2025 22:25

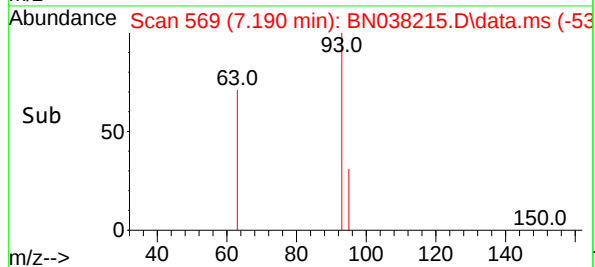
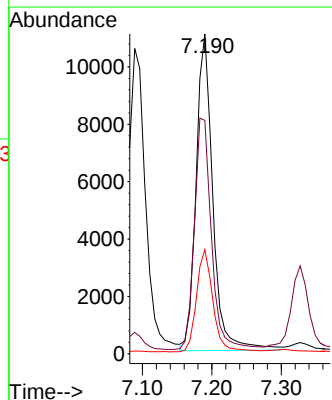
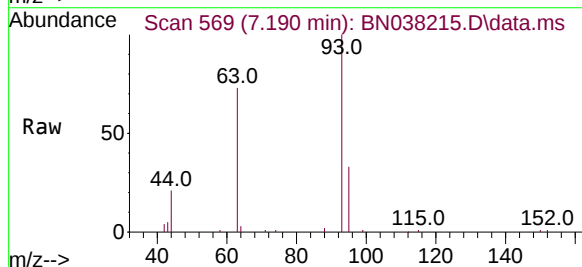
Instrument :
BNA_N
ClientSampleId :
SSTDICC0.8

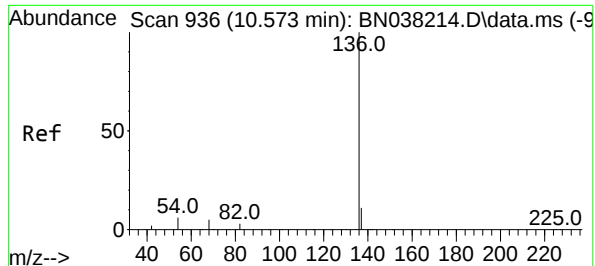
Tgt Ion: 99 Resp: 18777
Ion Ratio Lower Upper
99 100
42 20.9 17.0 25.6
71 32.5 25.4 38.2



#6
bis(2-Chloroethyl)ether
Concen: 0.777 ng
RT: 7.190 min Scan# 569
Delta R.T. 0.000 min
Lab File: BN038215.D
Acq: 26 Nov 2025 22:25

Tgt Ion: 93 Resp: 18562
Ion Ratio Lower Upper
93 100
63 74.2 58.1 87.1
95 31.5 25.1 37.7

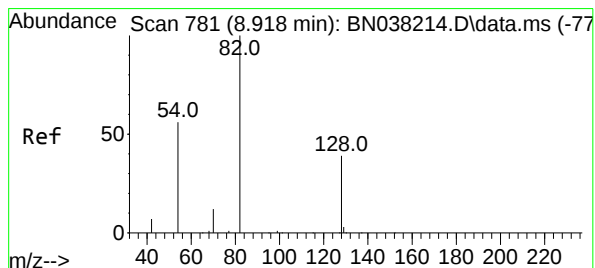
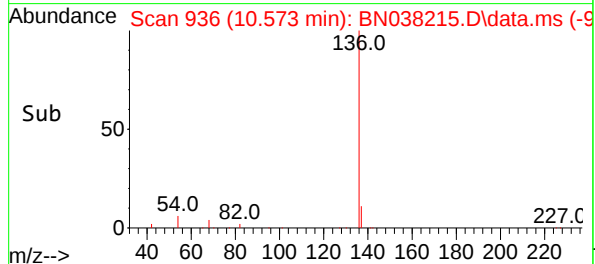
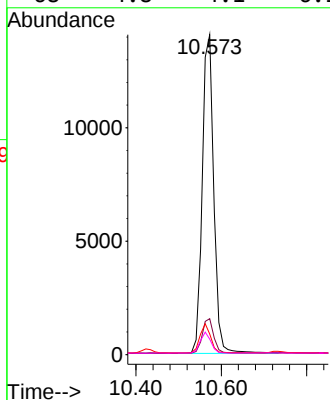
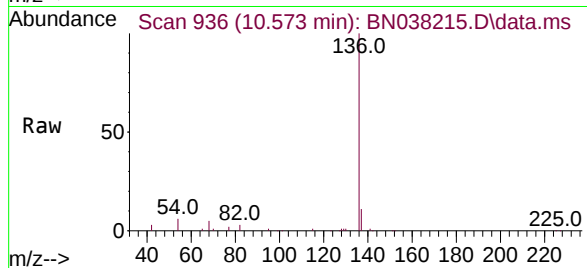




#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.573 min Scan# 936
Delta R.T. 0.000 min
Lab File: BN038215.D
Acq: 26 Nov 2025 22:25

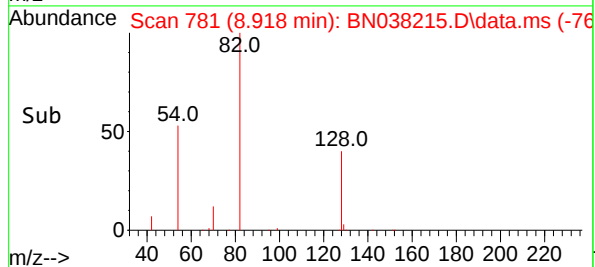
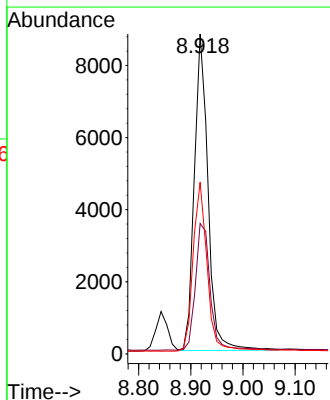
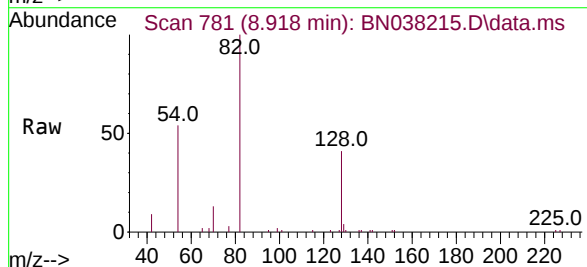
Instrument :
BNA_N
ClientSampleId :
SSTDICC0.8

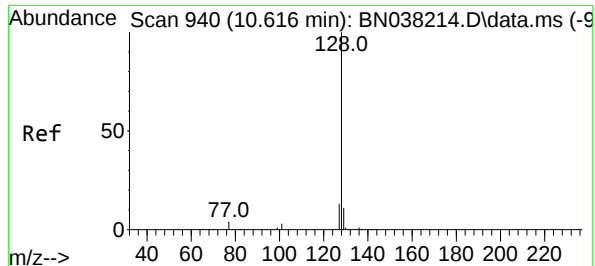
Tgt Ion:	136	Resp:	26276
Ion	Ratio	Lower	Upper
136	100		
137	11.2	8.9	13.3
54	6.4	5.4	8.0
68	4.8	4.1	6.1



#8
Nitrobenzene-d5
Concen: 0.761 ng
RT: 8.918 min Scan# 781
Delta R.T. 0.000 min
Lab File: BN038215.D
Acq: 26 Nov 2025 22:25

Tgt Ion:	82	Resp:	15990
Ion	Ratio	Lower	Upper
82	100		
128	40.7	32.6	48.8
54	53.6	45.4	68.0

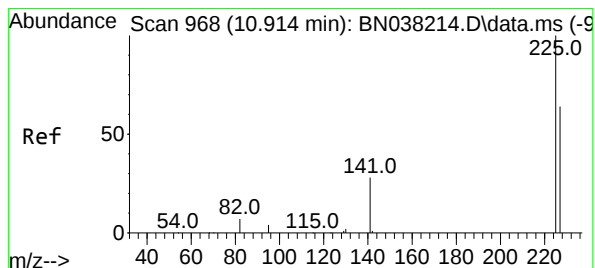
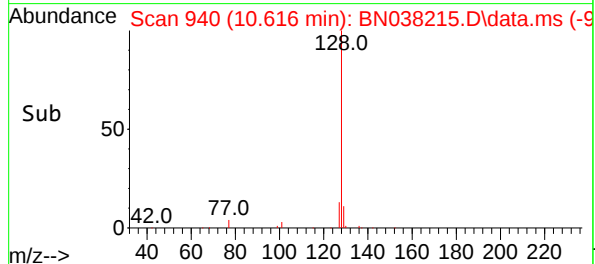
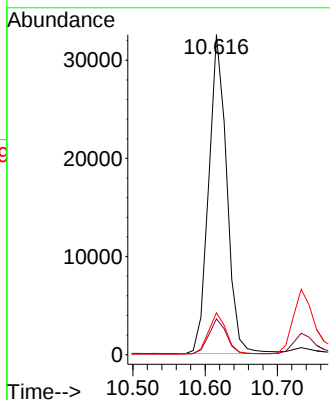
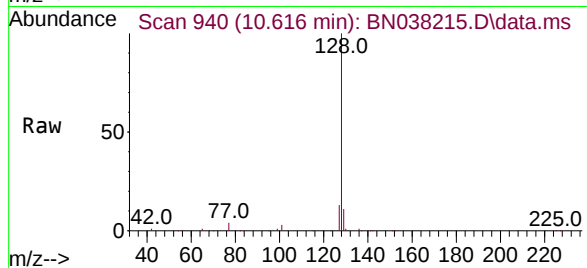




#9
Naphthalene
Concen: 0.774 ng
RT: 10.616 min Scan# 940
Delta R.T. 0.000 min
Lab File: BN038215.D
Acq: 26 Nov 2025 22:25

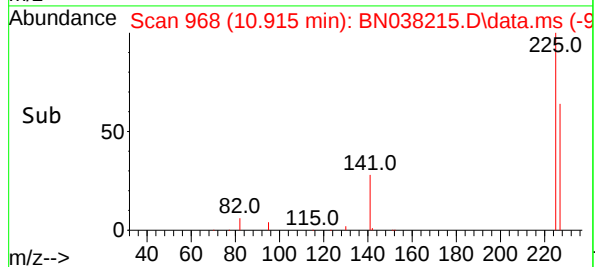
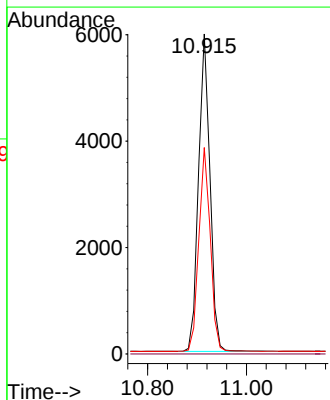
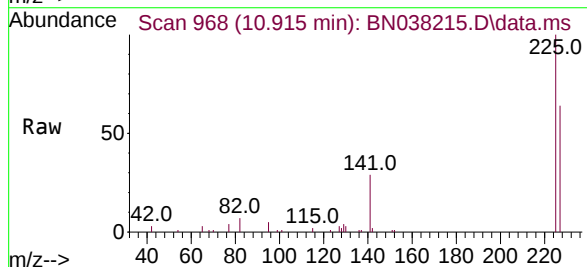
Instrument :
BNA_N
ClientSampleId :
SSTDICC0.8

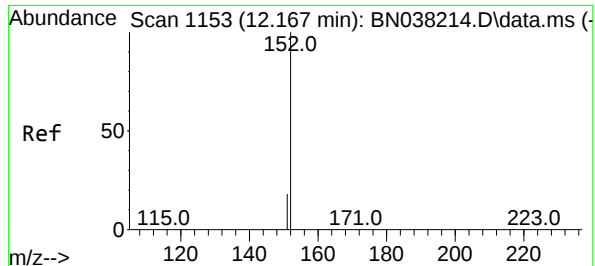
Tgt Ion	128	Resp	56483
Ion	Ratio	Lower	Upper
128	100		
129	11.2	9.1	13.7
127	13.1	10.6	16.0



#10
Hexachlorobutadiene
Concen: 0.772 ng
RT: 10.915 min Scan# 968
Delta R.T. 0.000 min
Lab File: BN038215.D
Acq: 26 Nov 2025 22:25

Tgt Ion	225	Resp	9583
Ion	Ratio	Lower	Upper
225	100		
223	0.0	0.0	0.0
227	64.4	50.5	75.7

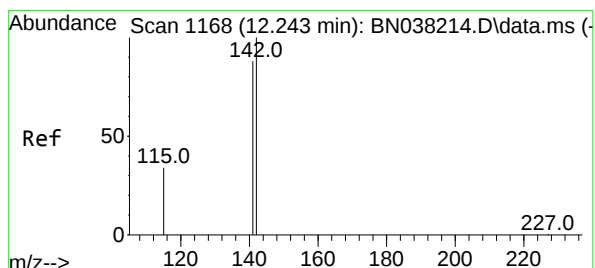
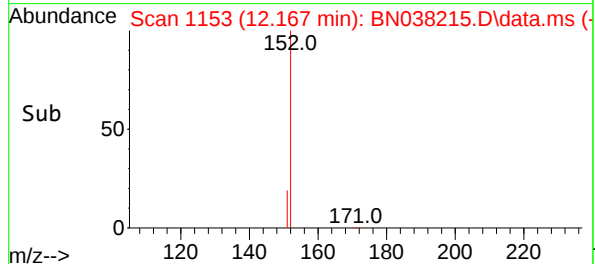
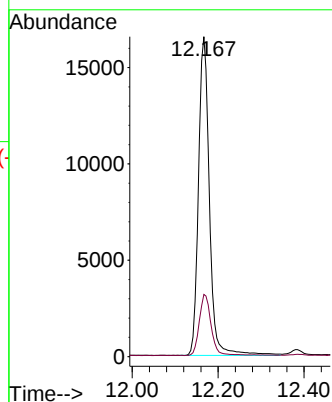
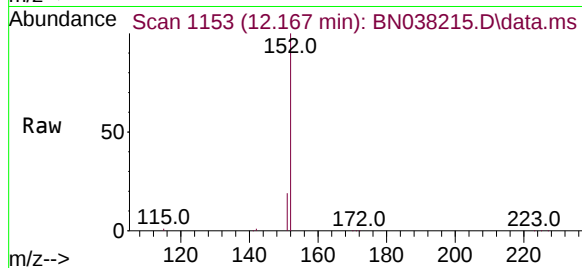




#11
2-Methylnaphthalene-d10
Concen: 0.785 ng
RT: 12.167 min Scan# 1153
Delta R.T. 0.000 min
Lab File: BN038215.D
Acq: 26 Nov 2025 22:25

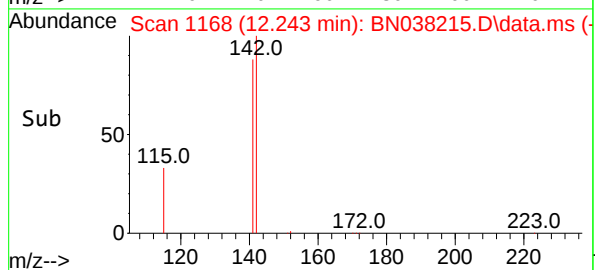
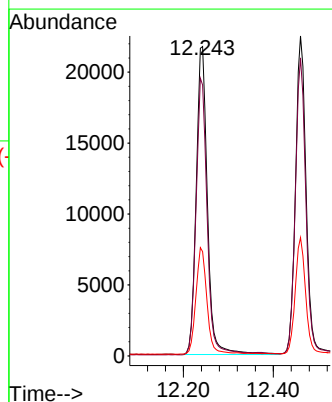
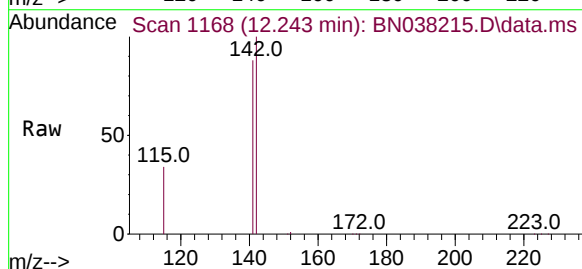
Instrument :
BNA_N
ClientSampleId :
SSTDICC0.8

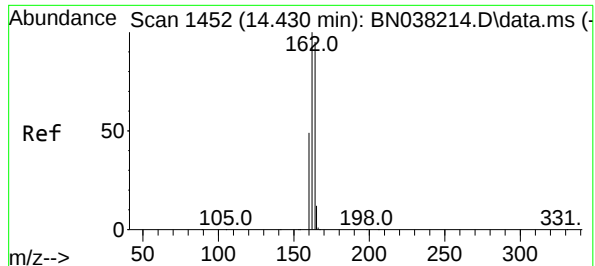
Tgt Ion:152 Resp: 29298
Ion Ratio Lower Upper
152 100
151 20.7 16.7 25.1



#12
2-Methylnaphthalene
Concen: 0.786 ng
RT: 12.243 min Scan# 1168
Delta R.T. -0.000 min
Lab File: BN038215.D
Acq: 26 Nov 2025 22:25

Tgt Ion:142 Resp: 37750
Ion Ratio Lower Upper
142 100
141 87.5 70.9 106.3
115 33.7 27.7 41.5

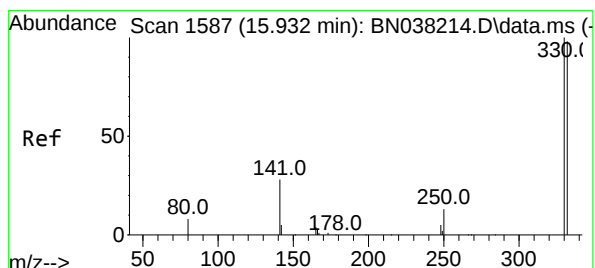
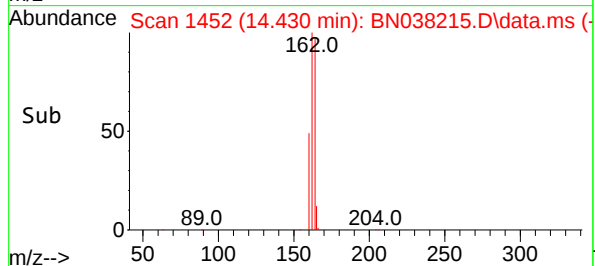
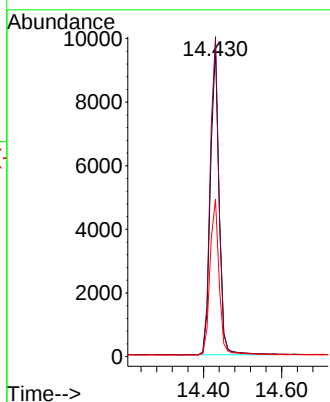
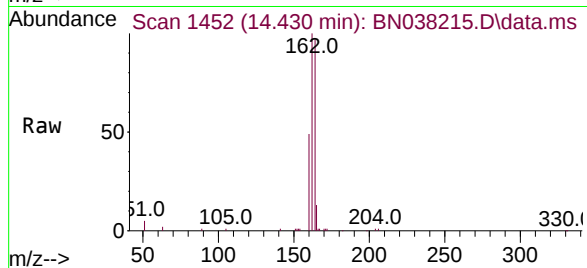




#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.430 min Scan# 1452
Delta R.T. 0.000 min
Lab File: BN038215.D
Acq: 26 Nov 2025 22:25

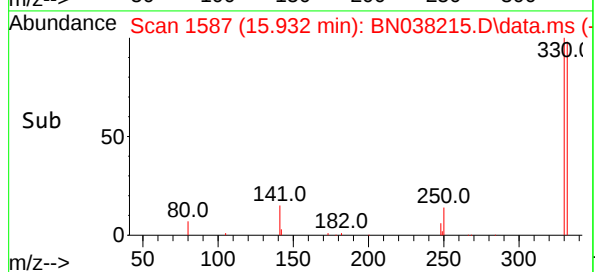
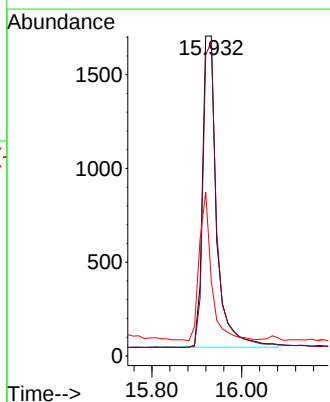
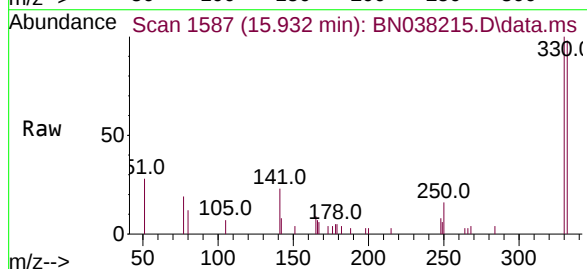
Instrument :
BNA_N
ClientSampleId :
SSTDICC0.8

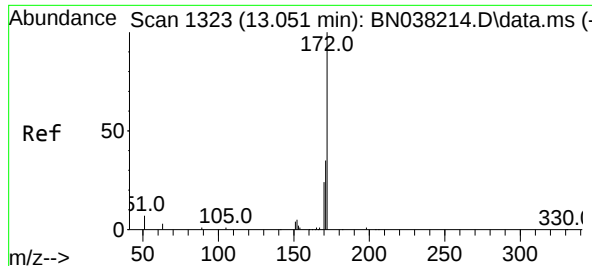
Tgt Ion	Ratio	Lower	Upper
164	100		
162	103.1	83.8	125.8
160	50.7	41.6	62.4



#14
2,4,6-Tribromophenol
Concen: 0.778 ng
RT: 15.932 min Scan# 1587
Delta R.T. 0.000 min
Lab File: BN038215.D
Acq: 26 Nov 2025 22:25

Tgt Ion	Ratio	Lower	Upper
330	100		
332	97.0	77.8	116.6
141	40.0	33.0	49.4

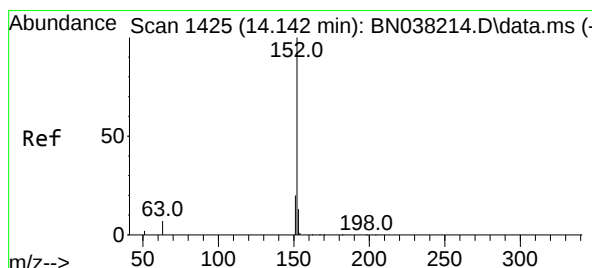
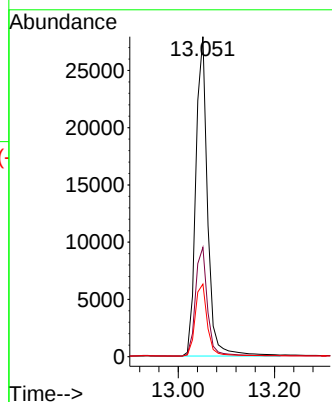
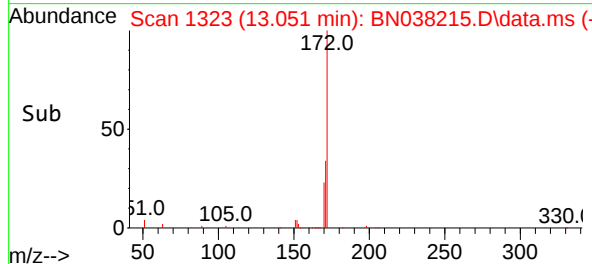
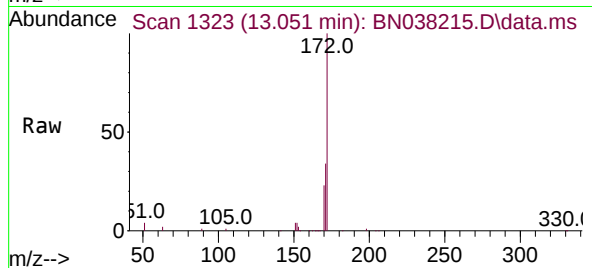




#15
2-Fluorobiphenyl
Concen: 0.801 ng
RT: 13.051 min Scan# 1323
Delta R.T. 0.000 min
Lab File: BN038215.D
Acq: 26 Nov 2025 22:25

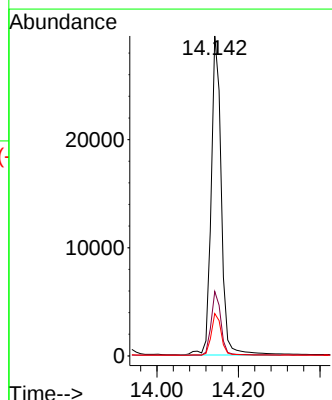
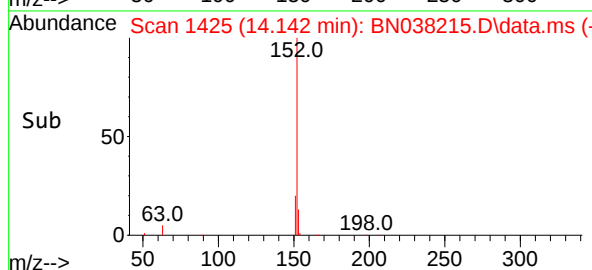
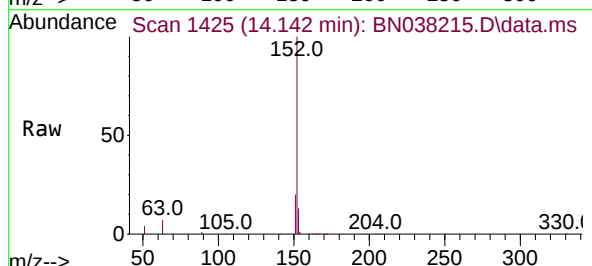
Instrument :
BNA_N
ClientSampleId :
SSTDICC0.8

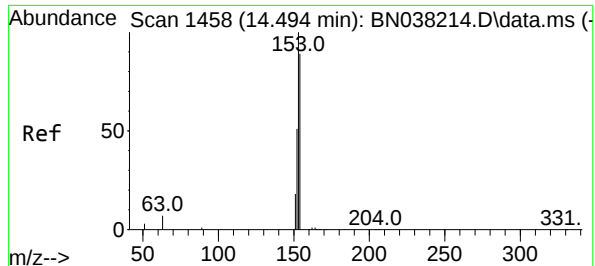
Tgt Ion	Ratio	Lower	Upper
172	100		
171	34.1	28.1	42.1
170	22.7	19.1	28.7



#16
Acenaphthylene
Concen: 0.761 ng
RT: 14.142 min Scan# 1425
Delta R.T. 0.000 min
Lab File: BN038215.D
Acq: 26 Nov 2025 22:25

Tgt Ion	Ratio	Lower	Upper
152	100		
151	19.5	15.6	23.4
153	13.0	10.6	15.8

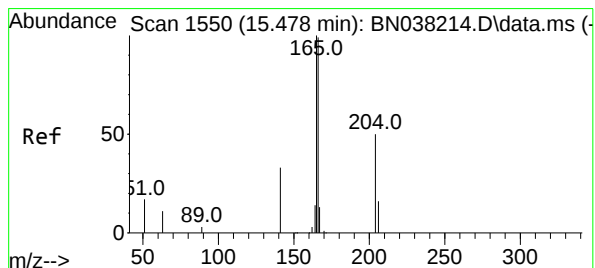
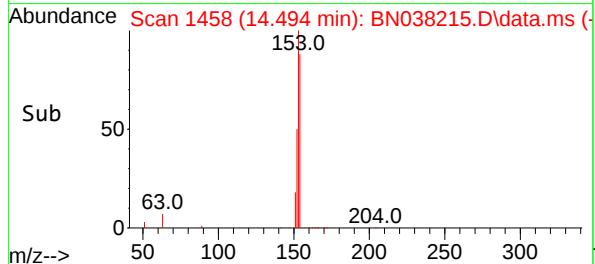
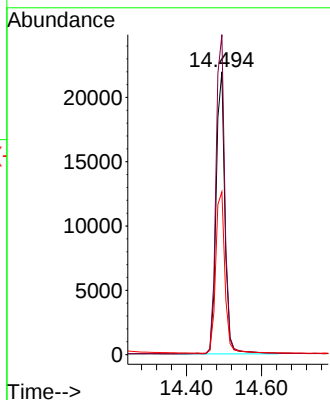
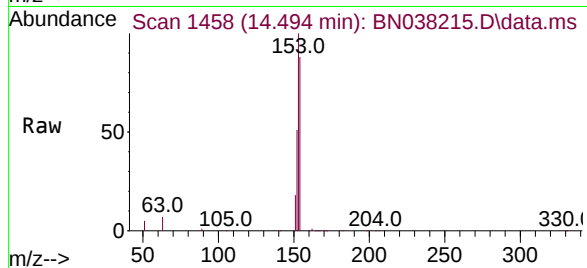




#17
Acenaphthene
Concen: 0.768 ng
RT: 14.494 min Scan# 1458
Delta R.T. 0.000 min
Lab File: BN038215.D
Acq: 26 Nov 2025 22:25

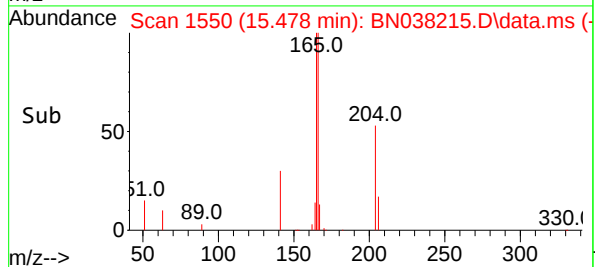
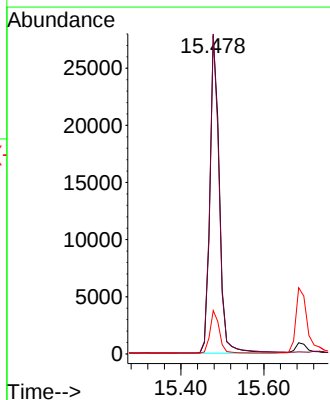
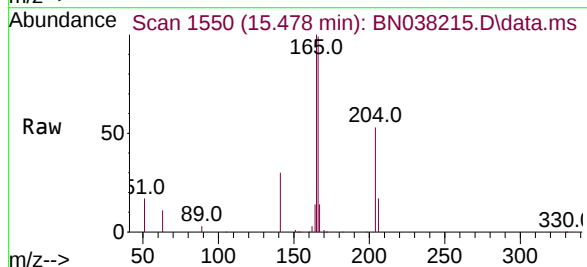
Instrument :
BNA_N
ClientSampleId :
SSTDICC0.8

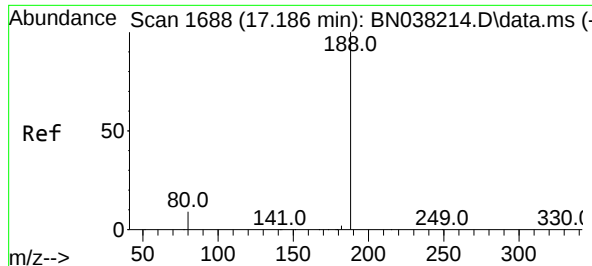
Tgt Ion:154 Resp: 35729
Ion Ratio Lower Upper
154 100
153 114.6 91.1 136.7
152 60.2 48.2 72.2



#18
Fluorene
Concen: 0.779 ng
RT: 15.478 min Scan# 1550
Delta R.T. 0.000 min
Lab File: BN038215.D
Acq: 26 Nov 2025 22:25

Tgt Ion:166 Resp: 46865
Ion Ratio Lower Upper
166 100
165 100.0 78.7 118.1
167 13.4 10.9 16.3





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 17.186 min Scan# 1

Delta R.T. 0.000 min

Lab File: BN038215.D

Acq: 26 Nov 2025 22:25

Instrument :

BNA_N

ClientSampleId :

SSTDICC0.8

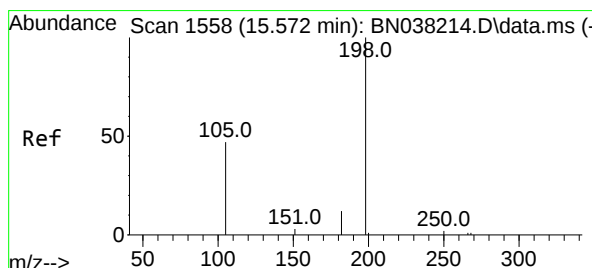
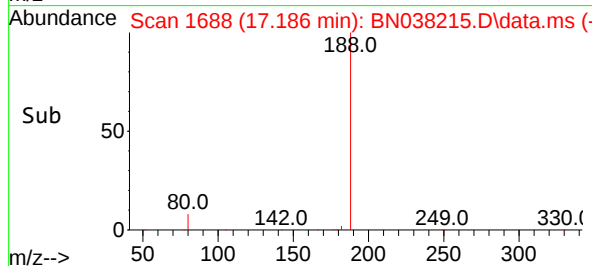
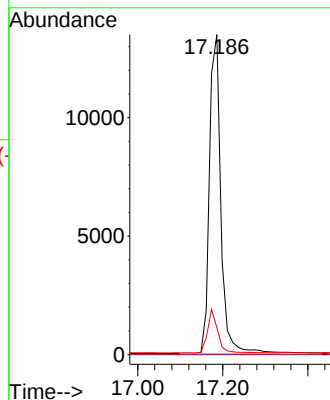
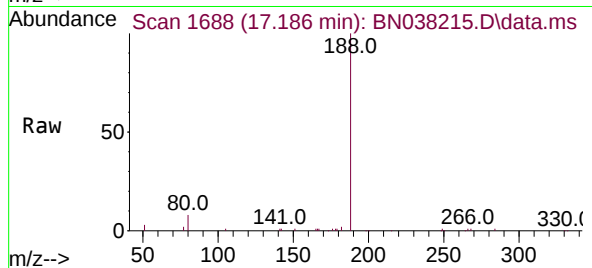
Tgt Ion:188 Resp: 25075

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

80 8.5 7.7 11.5



#20

4,6-Dinitro-2-methylphenol

Concen: 0.756 ng

RT: 15.560 min Scan# 1557

Delta R.T. -0.012 min

Lab File: BN038215.D

Acq: 26 Nov 2025 22:25

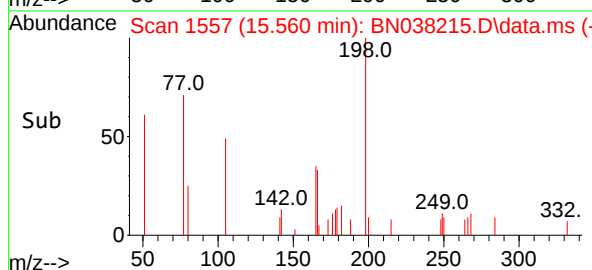
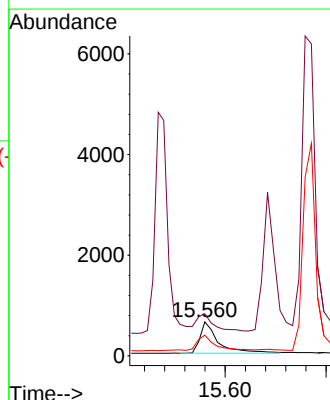
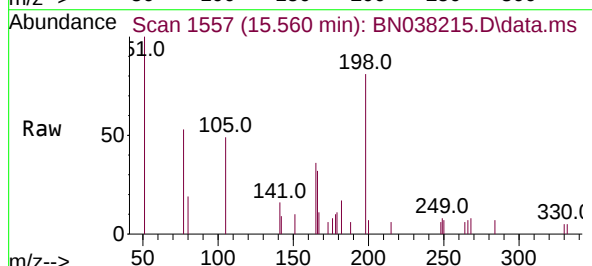
Tgt Ion:198 Resp: 1567

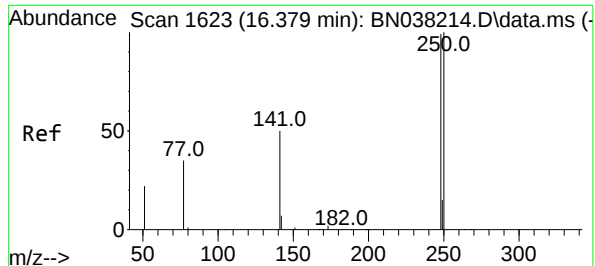
Ion Ratio Lower Upper

198 100

51 124.0 205.1 307.7#

105 61.1 61.6 92.4#

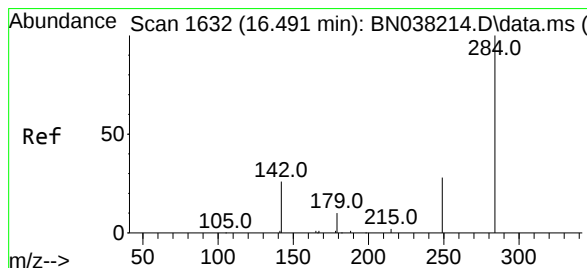
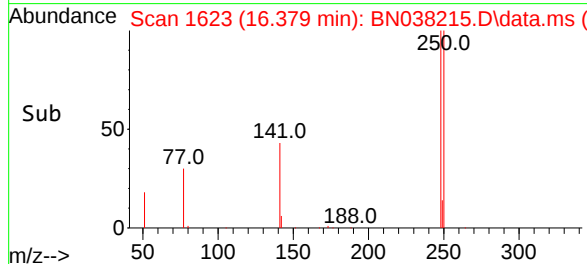
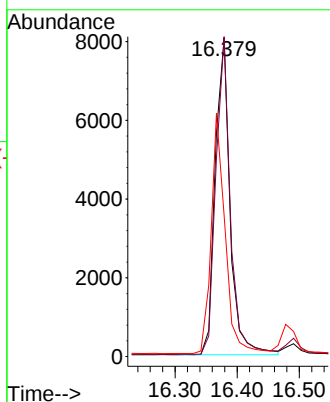
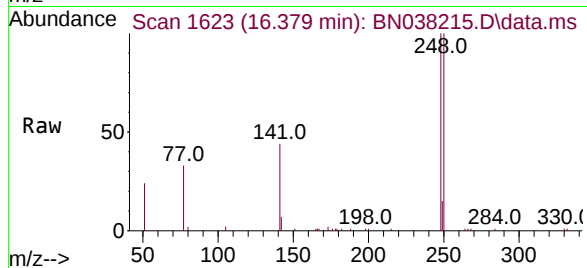




#21
4-Bromophenyl-phenylether
Concen: 0.774 ng
RT: 16.379 min Scan# 1623
Delta R.T. 0.000 min
Lab File: BN038215.D
Acq: 26 Nov 2025 22:25

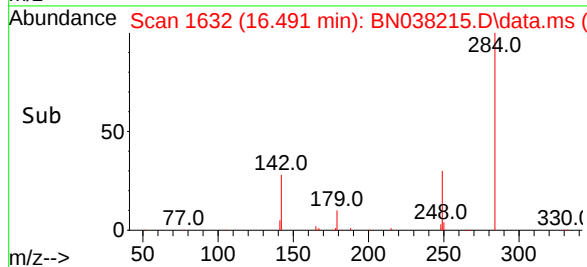
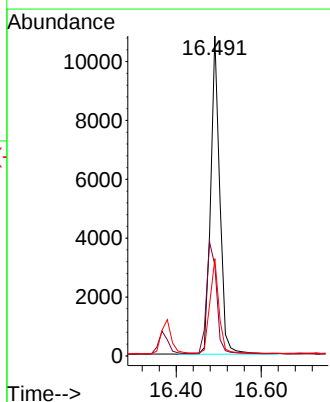
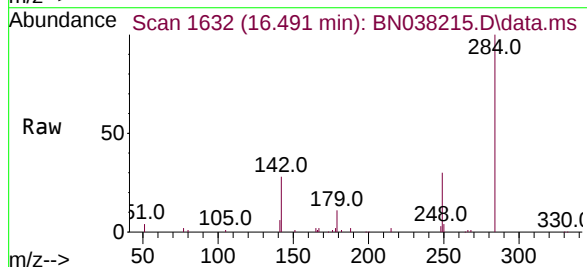
Instrument :
BNA_N
ClientSampleId :
SSTDICC0.8

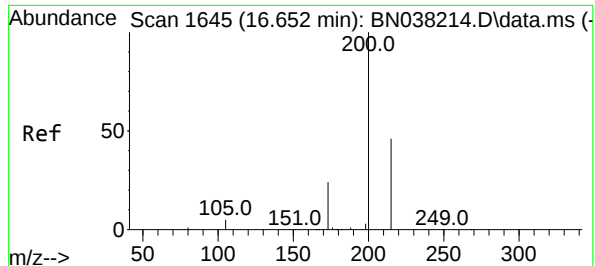
Tgt Ion	Ratio	Lower	Upper
248	100		
250	100.4	80.8	121.2
141	44.3	41.0	61.6



#22
Hexachlorobenzene
Concen: 0.752 ng
RT: 16.491 min Scan# 1632
Delta R.T. 0.000 min
Lab File: BN038215.D
Acq: 26 Nov 2025 22:25

Tgt Ion	Ratio	Lower	Upper
284	100		
142	38.8	30.5	45.7
249	30.0	23.8	35.8





#23

Atrazine

Concen: 0.741 ng

RT: 16.652 min Scan# 1645

Delta R.T. 0.000 min

Lab File: BN038215.D

Acq: 26 Nov 2025 22:25

Instrument :

BNA_N

ClientSampleId :

SSTDICC0.8

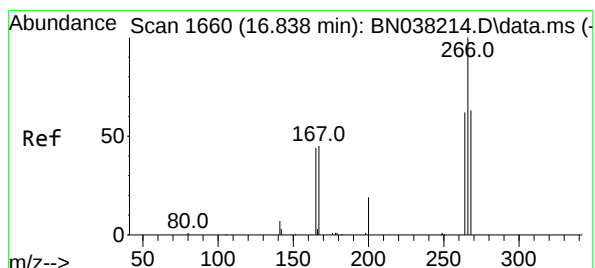
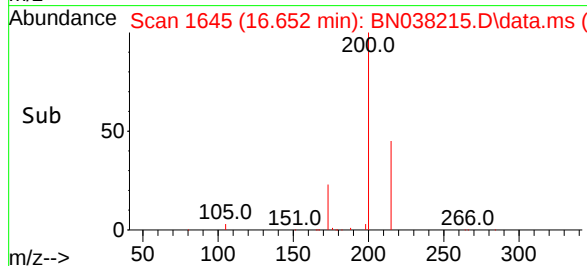
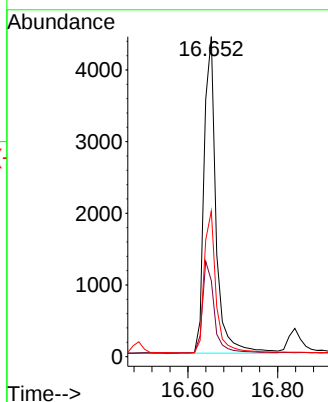
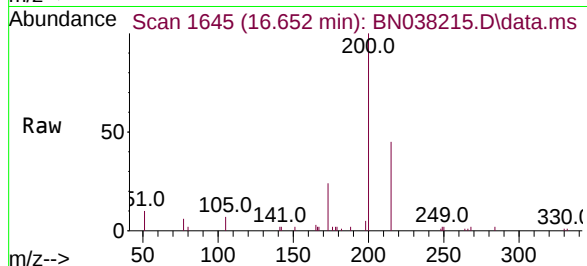
Tgt Ion:200 Resp: 8217

Ion Ratio Lower Upper

200 100

173 23.7 21.0 31.6

215 45.5 37.8 56.8



#24

Pentachlorophenol

Concen: 0.681 ng

RT: 16.838 min Scan# 1660

Delta R.T. 0.000 min

Lab File: BN038215.D

Acq: 26 Nov 2025 22:25

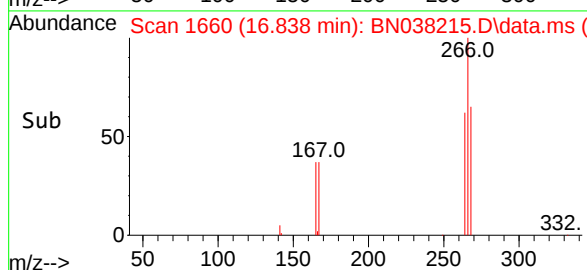
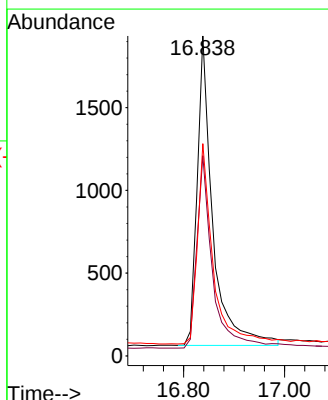
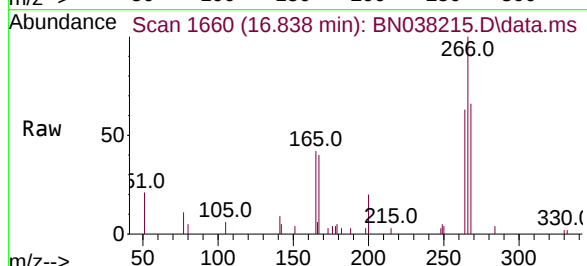
Tgt Ion:266 Resp: 3987

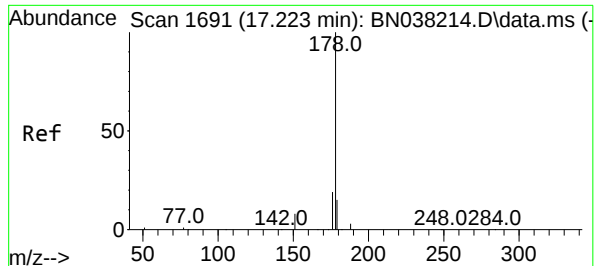
Ion Ratio Lower Upper

266 100

264 62.8 48.9 73.3

268 64.4 50.2 75.2





#25

Phenanthrene

Concen: 0.766 ng

RT: 17.223 min Scan# 1691

Delta R.T. 0.000 min

Lab File: BN038215.D

Acq: 26 Nov 2025 22:25

Instrument :

BNA_N

ClientSampleId :

SSTDICC0.8

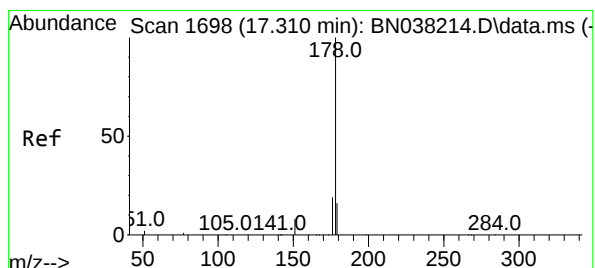
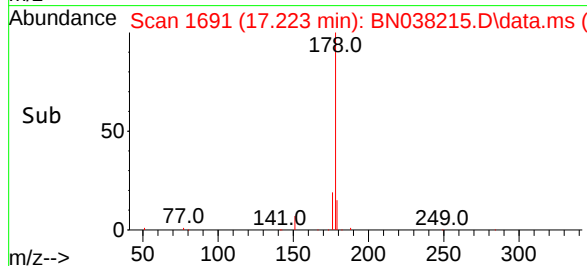
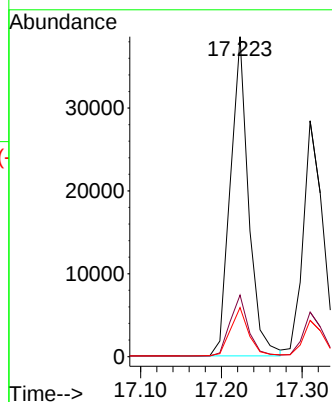
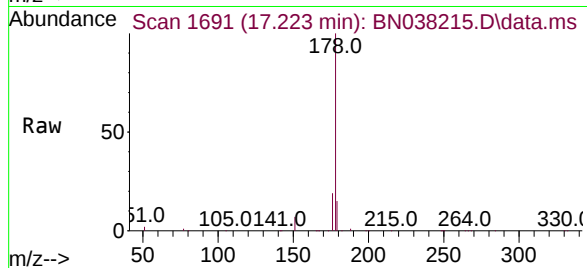
Tgt Ion:178 Resp: 60297

Ion Ratio Lower Upper

178 100

176 19.2 15.3 22.9

179 15.2 12.0 18.0



#26

Anthracene

Concen: 0.759 ng

RT: 17.310 min Scan# 1698

Delta R.T. 0.000 min

Lab File: BN038215.D

Acq: 26 Nov 2025 22:25

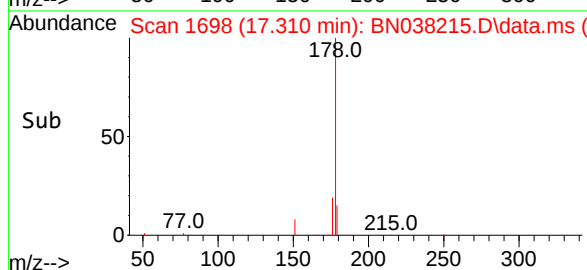
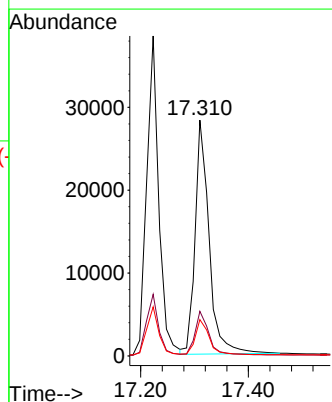
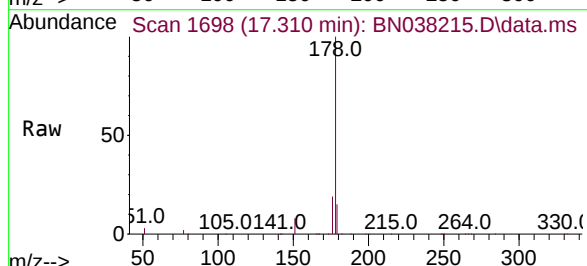
Tgt Ion:178 Resp: 50969

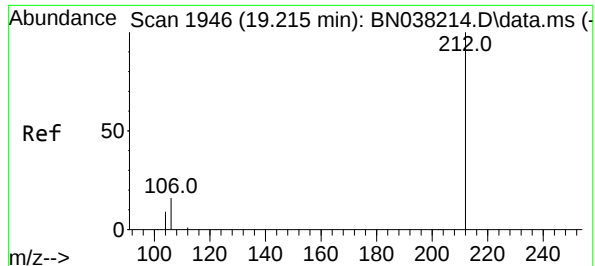
Ion Ratio Lower Upper

178 100

176 18.6 14.7 22.1

179 15.2 12.3 18.5





#27

Fluoranthene-d10

Concen: 0.753 ng

RT: 19.215 min Scan# 1946

Delta R.T. 0.000 min

Lab File: BN038215.D

Acq: 26 Nov 2025 22:25

Instrument :

BNA_N

ClientSampleId :

SSTDICC0.8

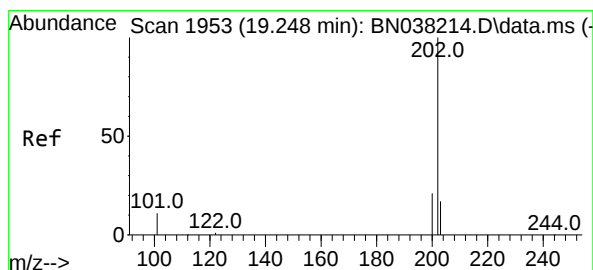
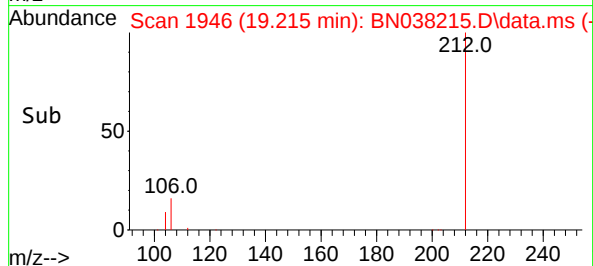
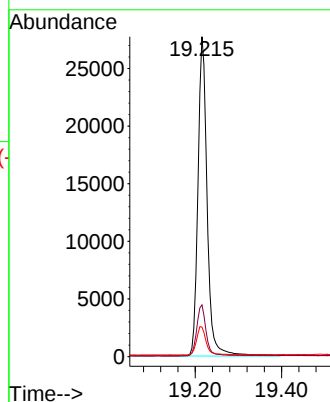
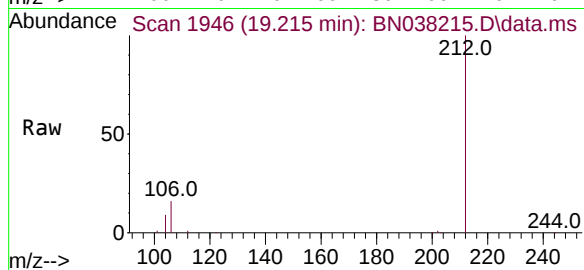
Tgt Ion:212 Resp: 40949

Ion Ratio Lower Upper

212 100

106 16.2 12.7 19.1

104 9.2 7.3 10.9



#28

Fluoranthene

Concen: 0.758 ng

RT: 19.248 min Scan# 1953

Delta R.T. 0.000 min

Lab File: BN038215.D

Acq: 26 Nov 2025 22:25

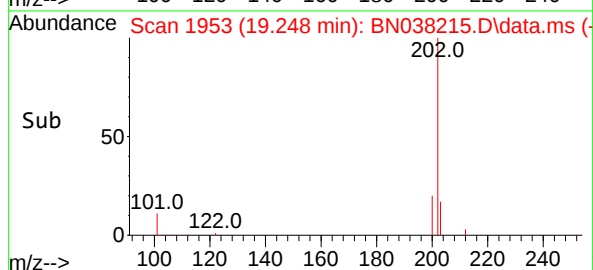
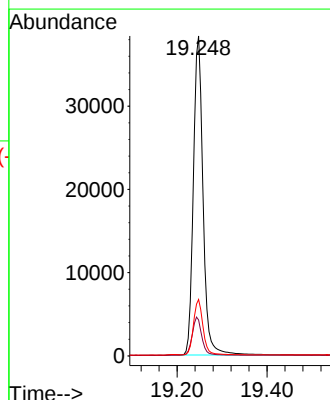
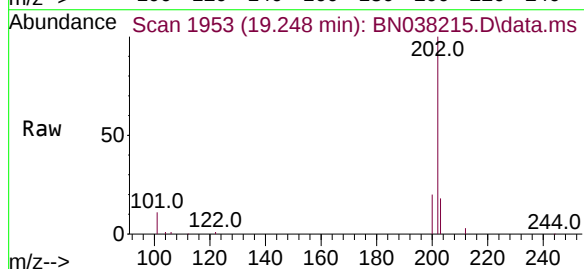
Tgt Ion:202 Resp: 57482

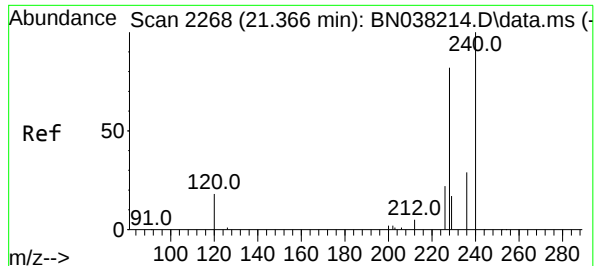
Ion Ratio Lower Upper

202 100

101 12.2 9.8 14.6

203 16.9 13.6 20.4





#29

Chrysene-d12

Concen: 0.400 ng

RT: 21.366 min Scan# 21

Delta R.T. 0.000 min

Lab File: BN038215.D

Acq: 26 Nov 2025 22:25

Instrument :

BNA_N

ClientSampleId :

SSTDICC0.8

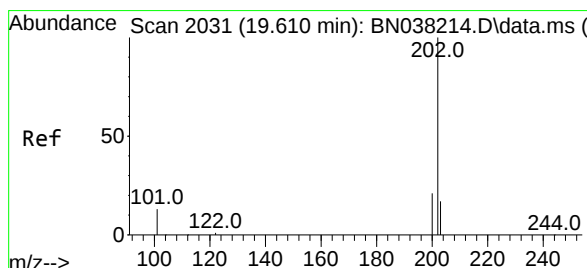
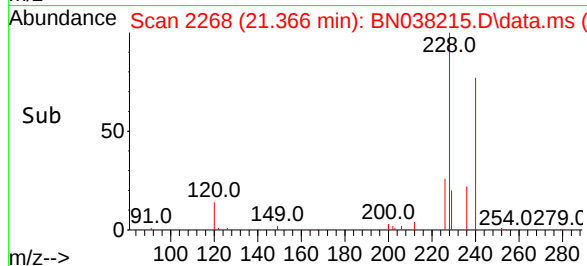
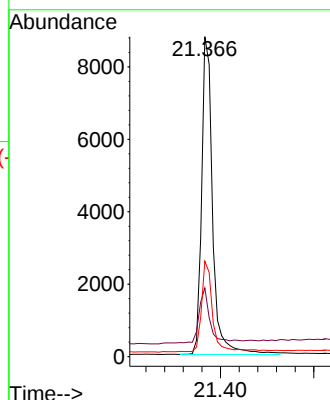
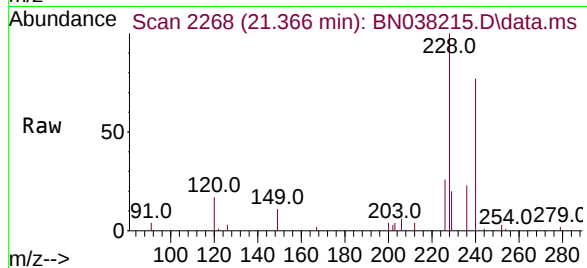
Tgt Ion:240 Resp: 14204

Ion Ratio Lower Upper

240 100

120 21.5 18.1 27.1

236 29.8 24.2 36.4



#30

Pyrene

Concen: 0.789 ng

RT: 19.610 min Scan# 2031

Delta R.T. 0.000 min

Lab File: BN038215.D

Acq: 26 Nov 2025 22:25

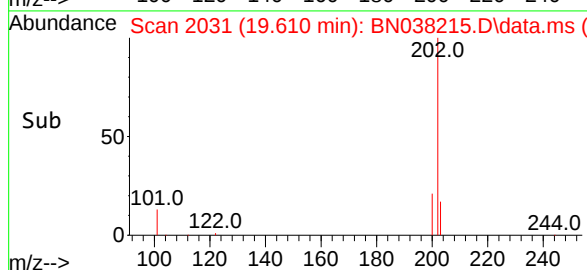
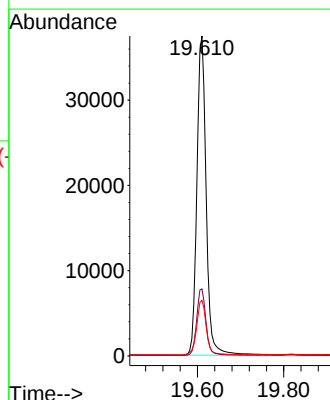
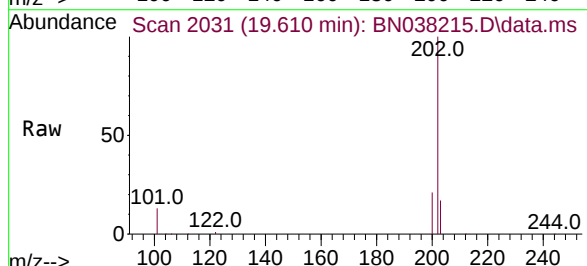
Tgt Ion:202 Resp: 56009

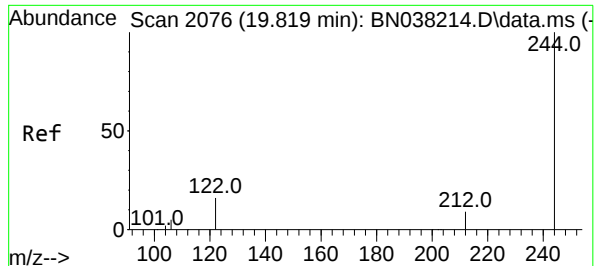
Ion Ratio Lower Upper

202 100

200 20.9 16.8 25.2

203 17.7 14.4 21.6

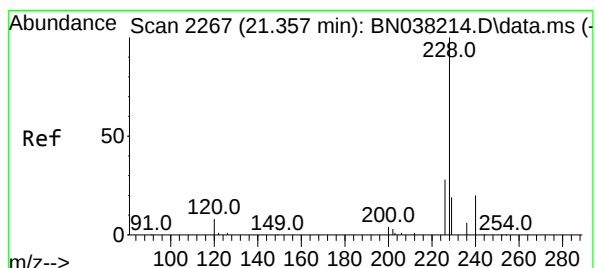
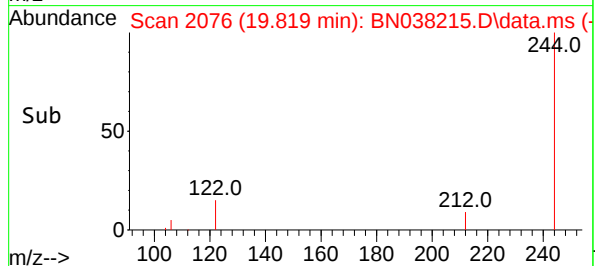
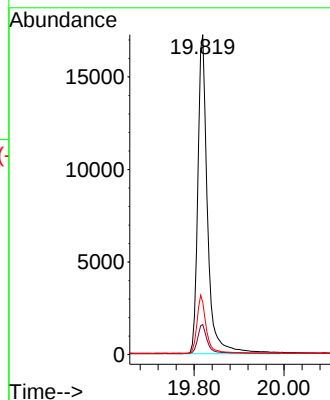
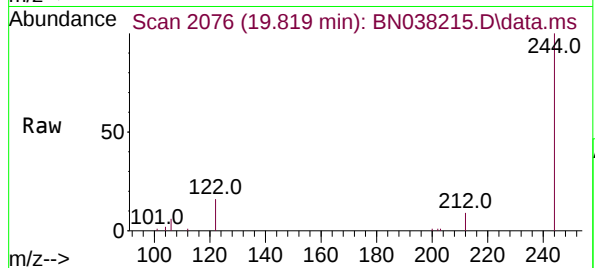




#31
Terphenyl-d14
Concen: 0.785 ng
RT: 19.819 min Scan# 2076
Delta R.T. 0.000 min
Lab File: BN038215.D
Acq: 26 Nov 2025 22:25

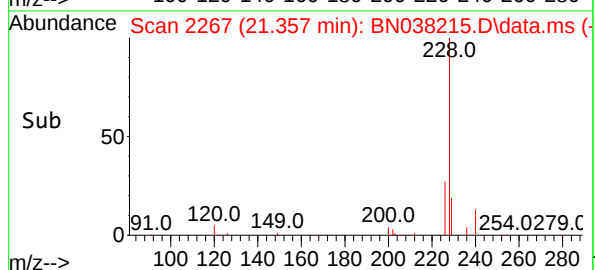
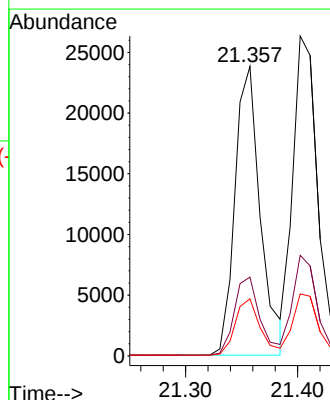
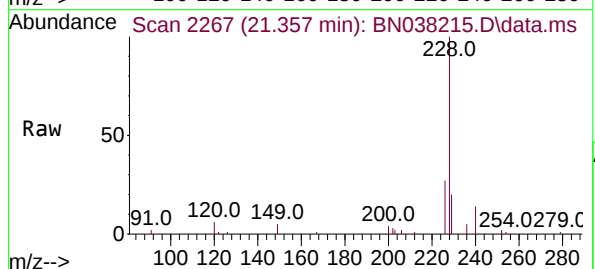
Instrument :
BNA_N
ClientSampleId :
SSTDICC0.8

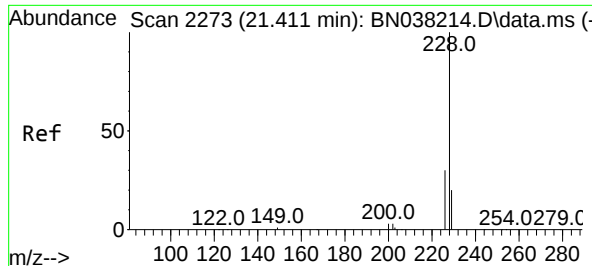
Tgt Ion:244 Resp: 25737
Ion Ratio Lower Upper
244 100
212 9.4 7.7 11.5
122 16.3 13.6 20.4



#32
Benzo(a)anthracene
Concen: 0.780 ng
RT: 21.357 min Scan# 2267
Delta R.T. 0.000 min
Lab File: BN038215.D
Acq: 26 Nov 2025 22:25

Tgt Ion:228 Resp: 37504
Ion Ratio Lower Upper
228 100
226 27.2 22.6 33.8
229 19.7 15.8 23.8





#33

Chrysene

Concen: 0.759 ng

RT: 21.402 min Scan# 21

Delta R.T. -0.009 min

Lab File: BN038215.D

Acq: 26 Nov 2025 22:25

Instrument :

BNA_N

ClientSampleId :

SSTDICC0.8

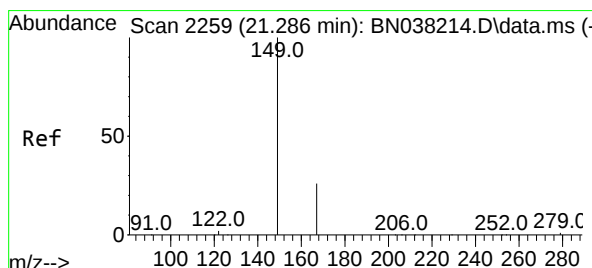
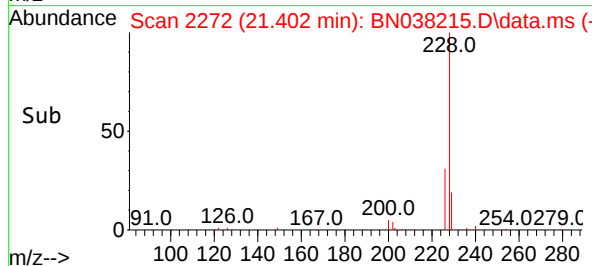
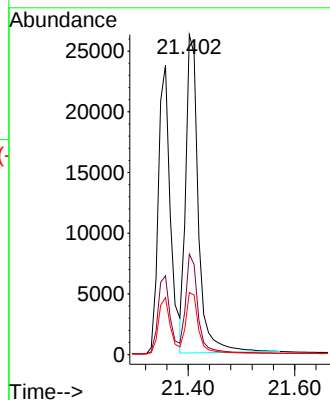
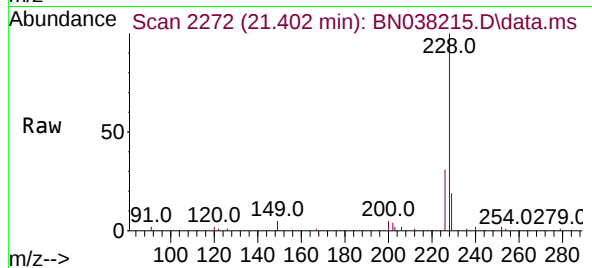
Tgt Ion:228 Resp: 43104

Ion Ratio Lower Upper

228 100

226 31.4 23.8 35.8

229 19.4 16.1 24.1



#34

Bis(2-ethylhexyl)phthalate

Concen: 0.755 ng

RT: 21.286 min Scan# 2259

Delta R.T. 0.000 min

Lab File: BN038215.D

Acq: 26 Nov 2025 22:25

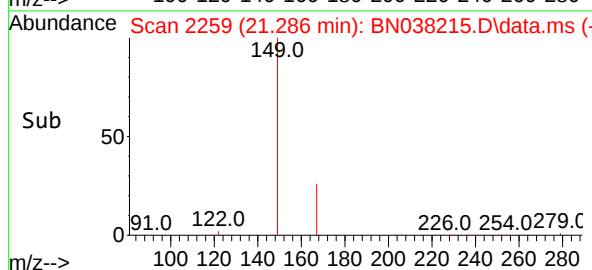
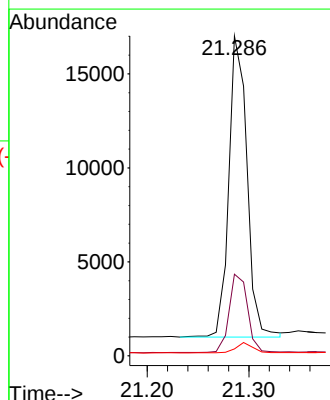
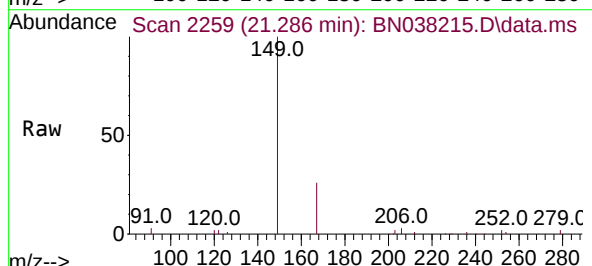
Tgt Ion:149 Resp: 19894

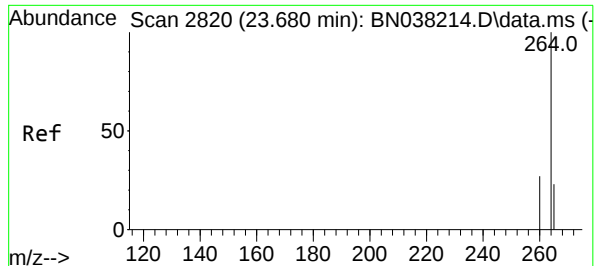
Ion Ratio Lower Upper

149 100

167 26.4 20.7 31.1

279 3.2 2.5 3.7





#35

Perylene-d12

Concen: 0.400 ng

RT: 23.680 min Scan# 2820

Delta R.T. 0.000 min

Lab File: BN038215.D

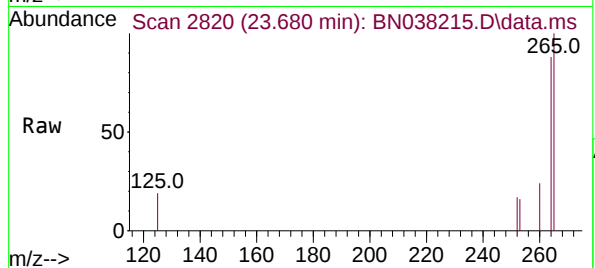
Acq: 26 Nov 2025 22:25

Instrument :

BNA_N

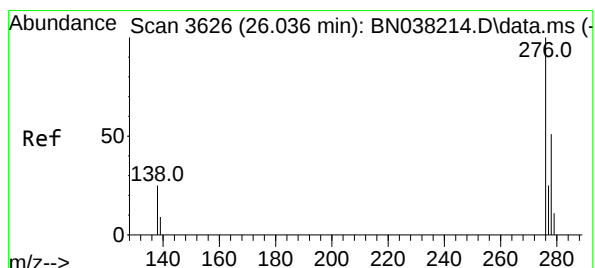
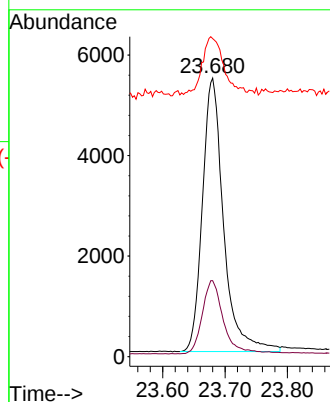
ClientSampleId :

SSTDICC0.8



Tgt Ion:264 Resp: 12837

Ion	Ratio	Lower	Upper
264	100		
260	27.2	21.7	32.5
265	114.1	98.0	147.0



#36

Indeno(1,2,3-cd)pyrene

Concen: 0.750 ng

RT: 26.031 min Scan# 3624

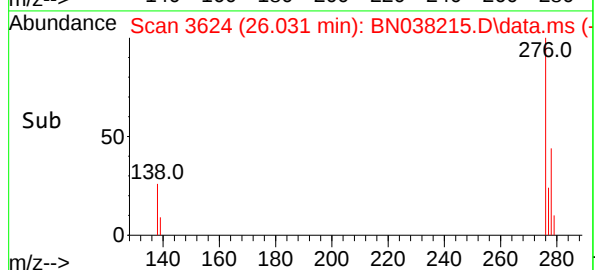
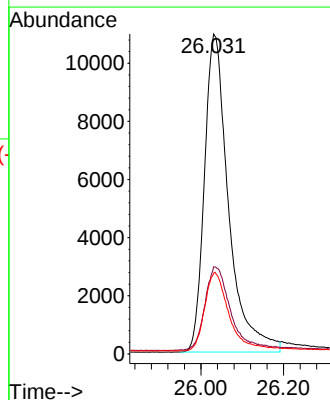
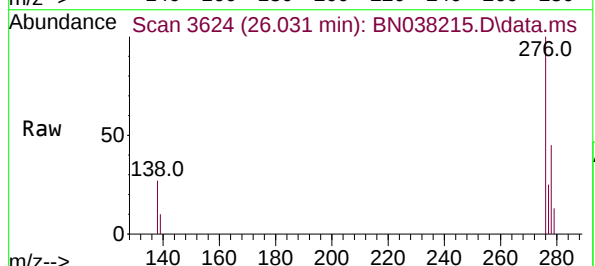
Delta R.T. -0.006 min

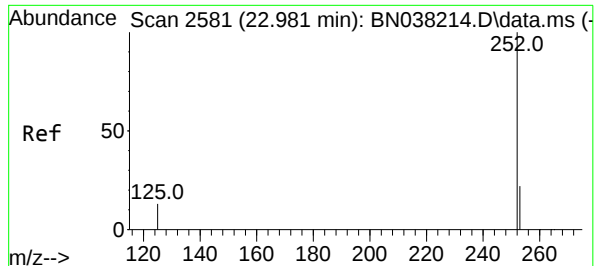
Lab File: BN038215.D

Acq: 26 Nov 2025 22:25

Tgt Ion:276 Resp: 44577

Ion	Ratio	Lower	Upper
276	100		
138	27.5	21.4	32.2
277	24.6	19.1	28.7





#37

Benzo(b)fluoranthene

Concen: 0.773 ng

RT: 22.981 min Scan# 2581

Delta R.T. 0.000 min

Lab File: BN038215.D

Acq: 26 Nov 2025 22:25

Instrument :

BNA_N

ClientSampleId :

SSTDICC0.8

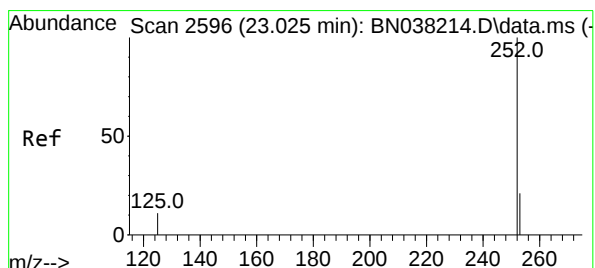
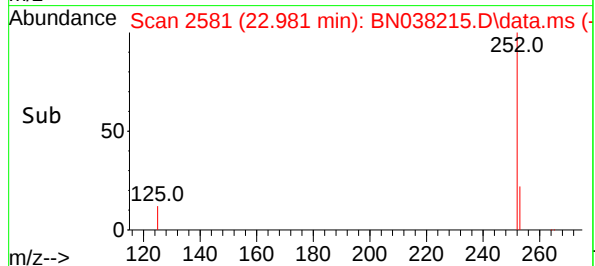
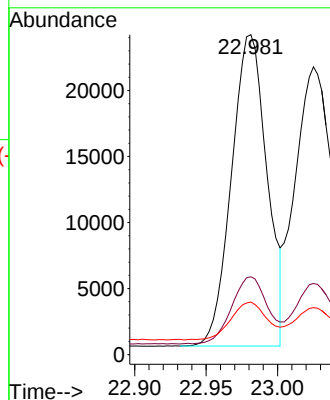
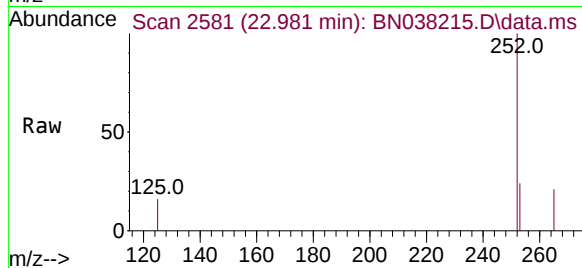
Tgt Ion:252 Resp: 40731

Ion Ratio Lower Upper

252 100

253 24.3 22.2 33.4

125 16.4 18.0 27.0#



#38

Benzo(k)fluoranthene

Concen: 0.777 ng

RT: 23.025 min Scan# 2596

Delta R.T. 0.000 min

Lab File: BN038215.D

Acq: 26 Nov 2025 22:25

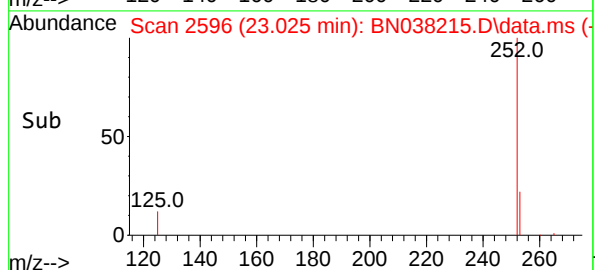
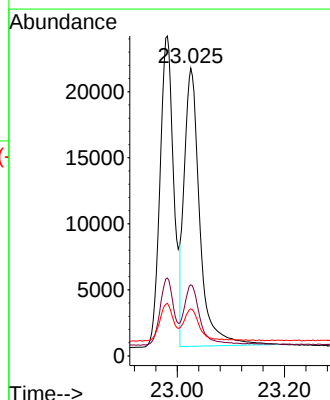
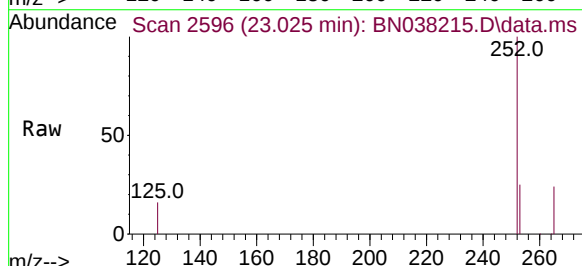
Tgt Ion:252 Resp: 42564

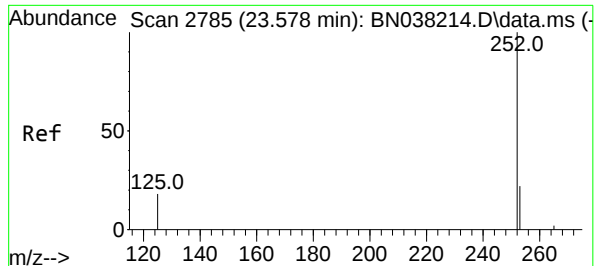
Ion Ratio Lower Upper

252 100

253 24.7 22.4 33.6

125 16.3 17.5 26.3#





#39

Benzo(a)pyrene

Concen: 0.765 ng

RT: 23.578 min Scan# 21

Delta R.T. 0.000 min

Lab File: BN038215.D

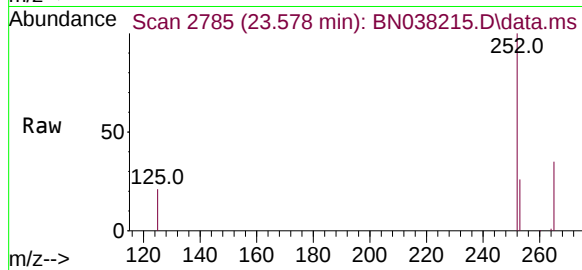
Acq: 26 Nov 2025 22:25

Instrument :

BNA_N

ClientSampleId :

SSTDICC0.8



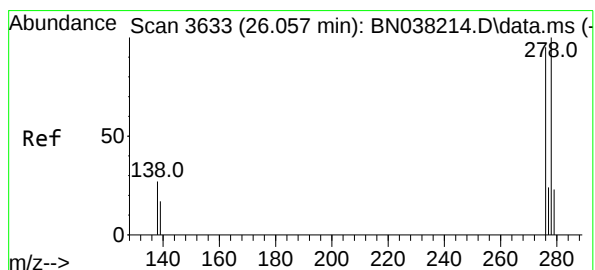
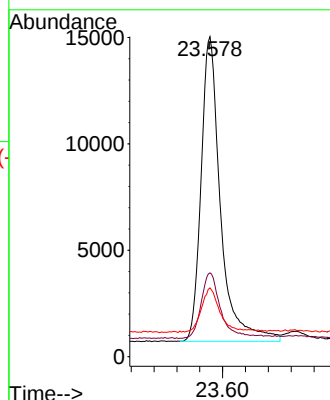
Tgt Ion:252 Resp: 33796

Ion Ratio Lower Upper

252 100

253 26.2 25.3 37.9

125 21.5 25.2 37.8#



#40

Dibenzo(a,h)anthracene

Concen: 0.770 ng

RT: 26.054 min Scan# 3632

Delta R.T. -0.003 min

Lab File: BN038215.D

Acq: 26 Nov 2025 22:25

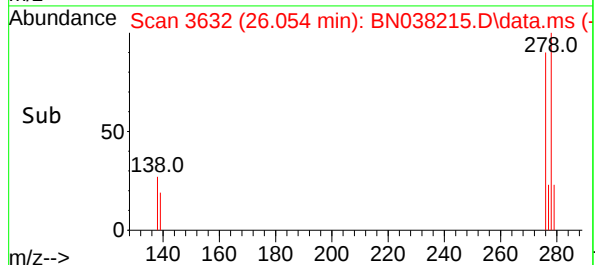
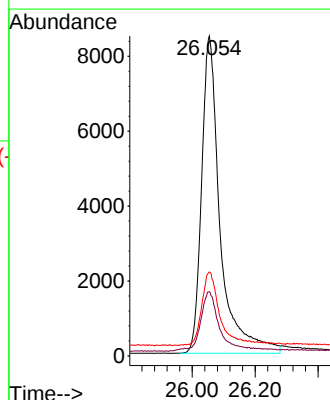
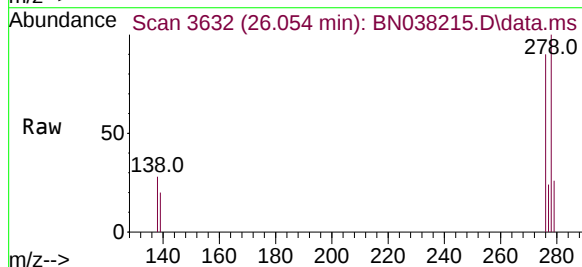
Tgt Ion:278 Resp: 34639

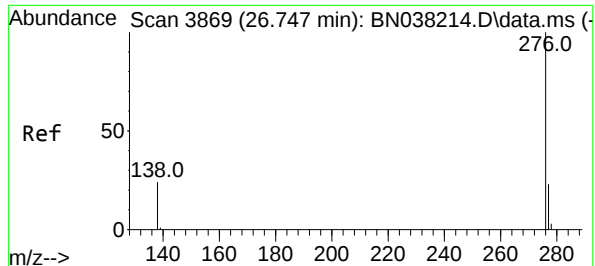
Ion Ratio Lower Upper

278 100

139 20.0 17.6 26.4

279 26.2 24.2 36.4





#41

Benzo(g,h,i)perylene

Concen: 0.777 ng

RT: 26.744 min Scan# 38

Delta R.T. -0.003 min

Lab File: BN038215.D

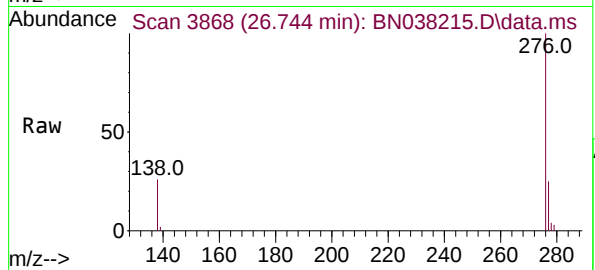
Acq: 26 Nov 2025 22:25

Instrument :

BNA_N

ClientSampleId :

SSTDICC0.8



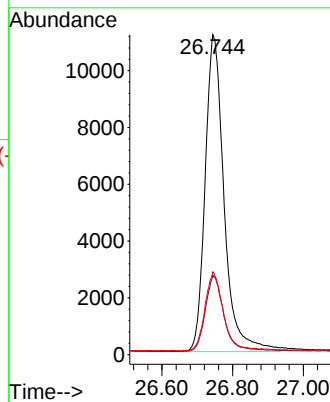
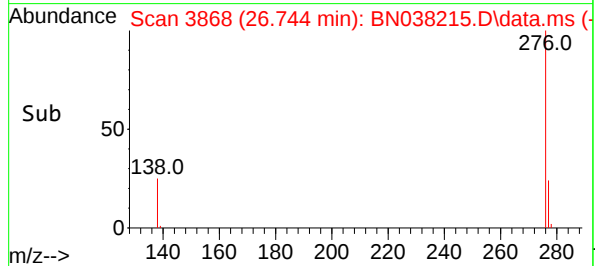
Tgt Ion:276 Resp: 41508

Ion Ratio Lower Upper

276 100

277 24.8 20.2 30.2

138 25.9 20.8 31.2



Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN112725\
 Data File : BN038216.D
 Acq On : 26 Nov 2025 23:01
 Operator : RC/JU
 Sample : SSTDICC1.6
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 SSTDICC1.6

Quant Time: Nov 28 20:55:28 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN112725.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Nov 28 20:22:09 2025
 Response via : Initial Calibration

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

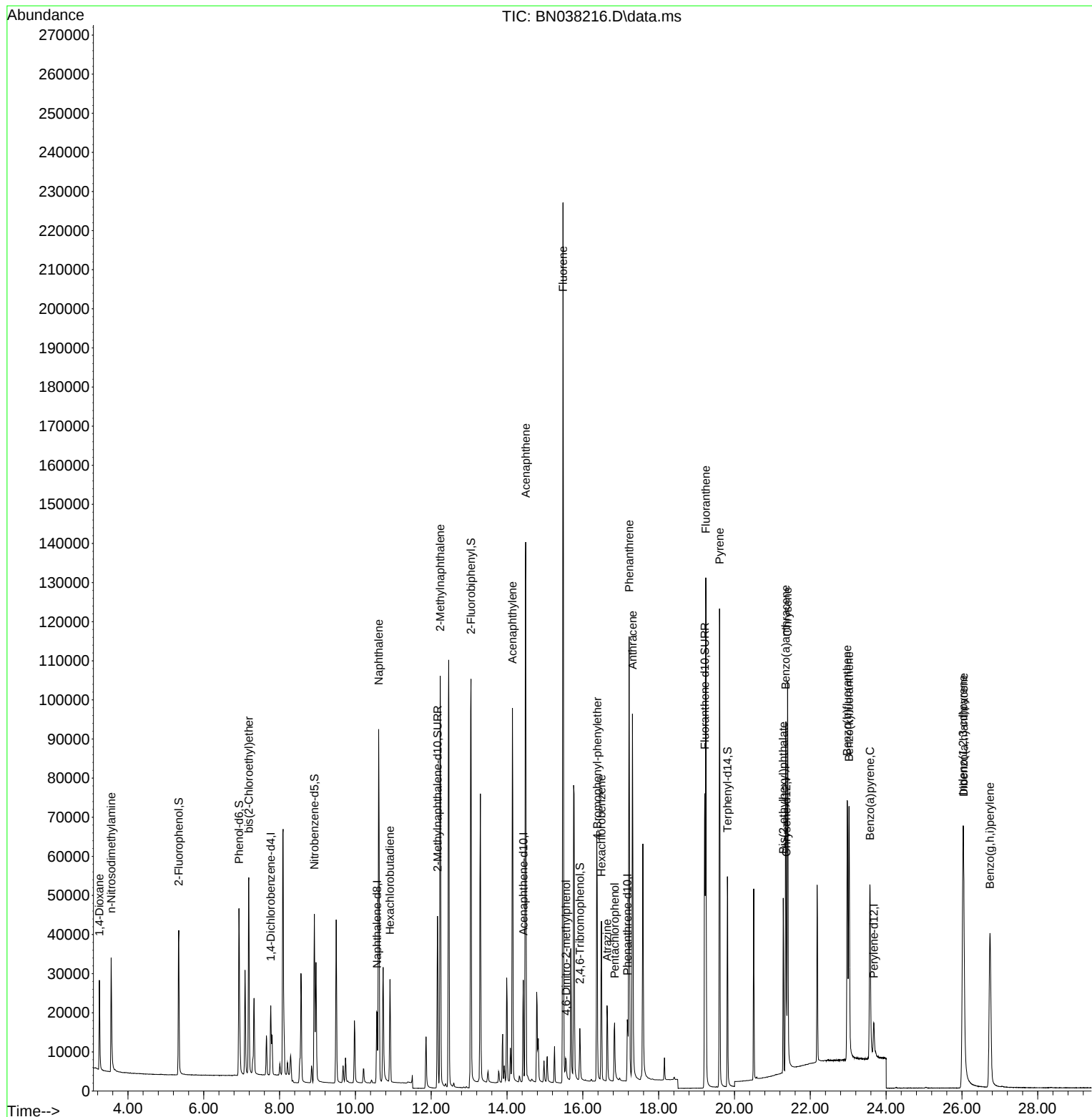
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.768	152	8591	0.400	ng	0.00
7) Naphthalene-d8	10.573	136	26479	0.400	ng	0.00
13) Acenaphthene-d10	14.430	164	14911	0.400	ng	0.00
19) Phenanthrene-d10	17.173	188	24353	0.400	ng	#-0.01
29) Chrysene-d12	21.366	240	14651	0.400	ng	# 0.00
35) Perylene-d12	23.674	264	13162	0.400	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.341	112	31794	1.583	ng	0.00
5) Phenol-d6	6.930	99	40785	1.626	ng	0.00
8) Nitrobenzene-d5	8.918	82	34007	1.606	ng	0.00
11) 2-Methylnaphthalene-d10	12.167	152	61892	1.647	ng	0.00
14) 2,4,6-Tribromophenol	15.920	330	8291	1.767	ng	-0.01
15) 2-Fluorobiphenyl	13.051	172	94112	1.634	ng	0.00
27) Fluoranthene-d10	19.215	212	84152	1.593	ng	0.00
31) Terphenyl-d14	19.815	244	54297	1.605	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.247	88	14538	1.606	ng	98
3) n-Nitrosodimethylamine	3.557	42	18433	1.652	ng	# 98
6) bis(2-Chloroethyl)ether	7.190	93	39573	1.648	ng	98
9) Naphthalene	10.616	128	118421	1.611	ng	99
10) Hexachlorobutadiene	10.915	225	19920	1.593	ng	# 99
12) 2-Methylnaphthalene	12.238	142	79894	1.651	ng	99
16) Acenaphthylene	14.142	152	109170	1.637	ng	100
17) Acenaphthene	14.494	154	75326	1.621	ng	99
18) Fluorene	15.478	166	100208	1.665	ng	99
20) 4,6-Dinitro-2-methylph...	15.560	198	4296	1.621	ng	# 7
21) 4-Bromophenyl-phenylether	16.379	248	27977	1.658	ng	# 92
22) Hexachlorobenzene	16.491	284	32866	1.584	ng	99
23) Atrazine	16.640	200	17617	1.635	ng	# 91
24) Pentachlorophenol	16.838	266	9380	1.650	ng	98
25) Phenanthrene	17.223	178	123735	1.619	ng	100
26) Anthracene	17.310	178	107108	1.642	ng	100
28) Fluoranthene	19.243	202	119828	1.626	ng	100
30) Pyrene	19.606	202	115630	1.580	ng	100
32) Benzo(a)anthracene	21.349	228	80458	1.622	ng	99
33) Chrysene	21.402	228	93587	1.598	ng	98
34) Bis(2-ethylhexyl)phtha...	21.286	149	39988	1.472	ng	99
36) Indeno(1,2,3-cd)pyrene	26.028	276	103317	1.696	ng	99
37) Benzo(b)fluoranthene	22.975	252	88199	1.633	ng	# 87
38) Benzo(k)fluoranthene	23.022	252	92066	1.639	ng	# 87
39) Benzo(a)pyrene	23.572	252	73851	1.631	ng	# 80
40) Dibenzo(a,h)anthracene	26.042	278	79584	1.726	ng	92
41) Benzo(g,h,i)perylene	26.741	276	90531	1.652	ng	97

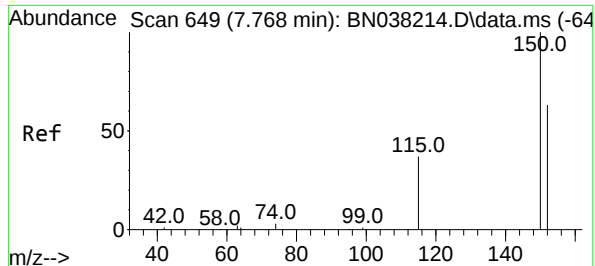
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Data File : BN038216.D
Acq On : 26 Nov 2025 23:01
Operator : RC/JU
Sample : SSTDICC1.6
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
SSTDICC1.6

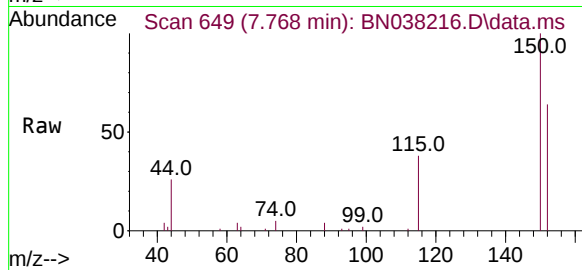
Quant Time: Nov 28 20:55:28 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN112725.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Nov 28 20:22:09 2025
Response via : Initial Calibration



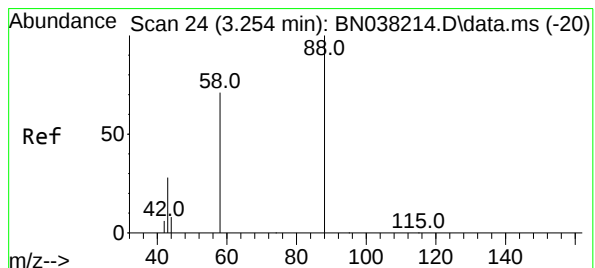
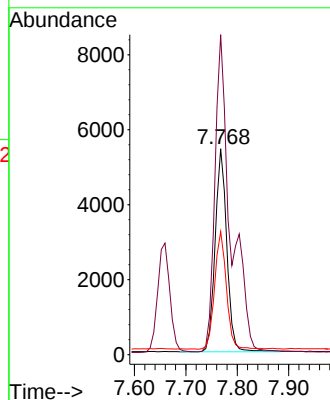
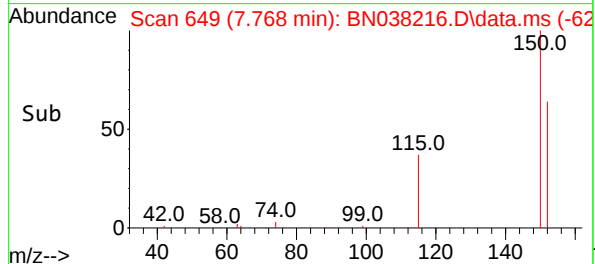


#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.768 min Scan# 64
Delta R.T. -0.000 min
Lab File: BN038216.D
Acq: 26 Nov 2025 23:01

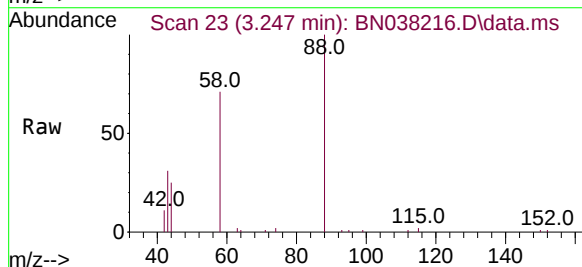
Instrument :
BNA_N
ClientSampleId :
SSTDICC1.6



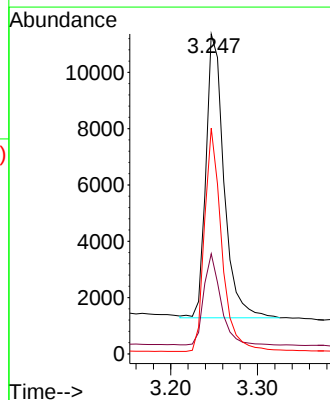
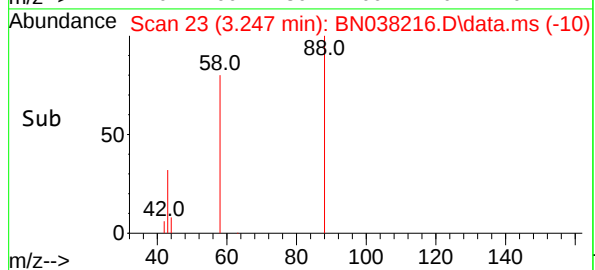
Tgt Ion:152 Resp: 8591
Ion Ratio Lower Upper
152 100
150 155.4 125.3 187.9
115 59.7 49.0 73.4

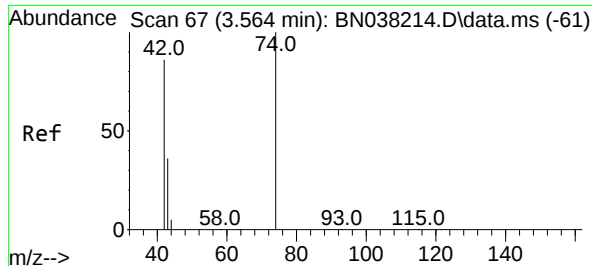


#2
1,4-Dioxane
Concen: 1.606 ng
RT: 3.247 min Scan# 23
Delta R.T. -0.007 min
Lab File: BN038216.D
Acq: 26 Nov 2025 23:01



Tgt Ion: 88 Resp: 14538
Ion Ratio Lower Upper
88 100
43 30.3 24.8 37.2
58 74.7 61.1 91.7

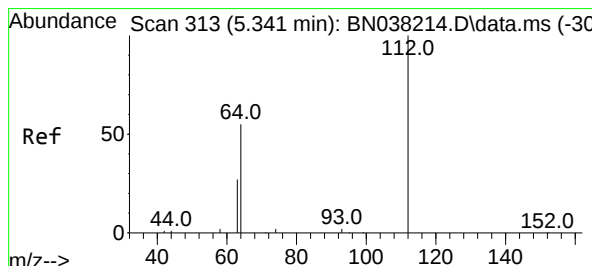
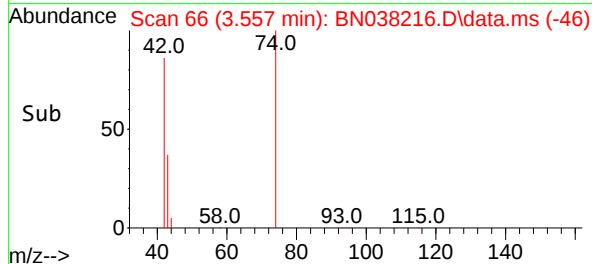
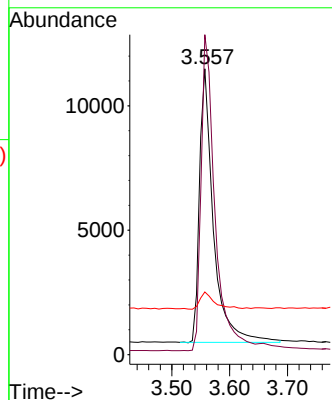
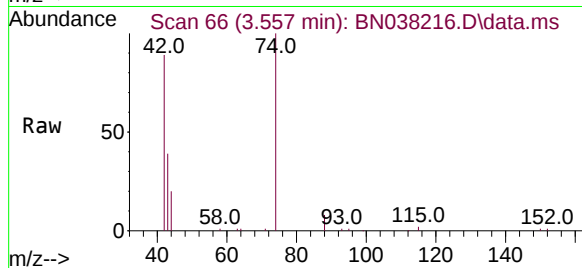




#3
n-Nitrosodimethylamine
Concen: 1.652 ng
RT: 3.557 min Scan# 60
Delta R.T. -0.007 min
Lab File: BN038216.D
Acq: 26 Nov 2025 23:01

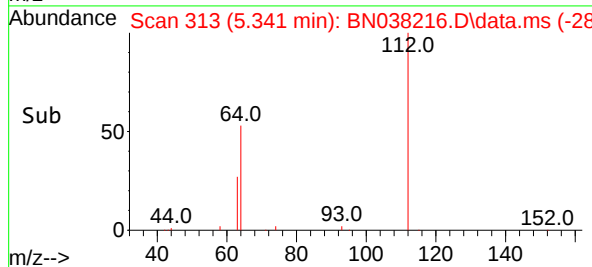
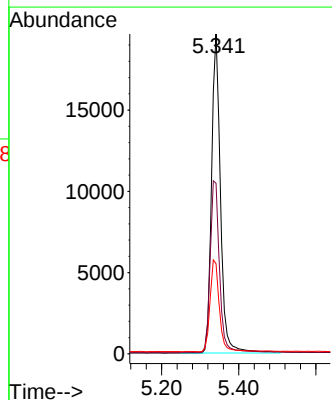
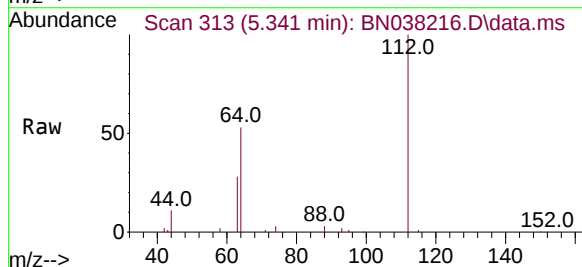
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ClientSampleId :
SSTDICC1.6

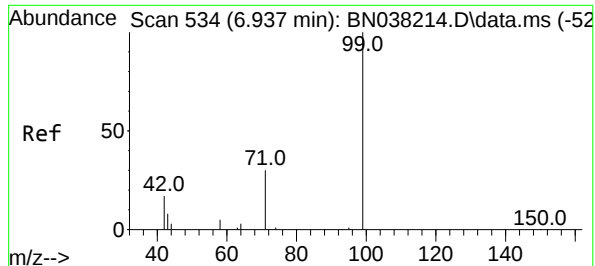
Tgt Ion: 42 Resp: 18433
Ion Ratio Lower Upper
42 100
74 118.4 96.2 144.2
44 6.4 8.0 12.0#



#4
2-Fluorophenol
Concen: 1.583 ng
RT: 5.341 min Scan# 313
Delta R.T. 0.000 min
Lab File: BN038216.D
Acq: 26 Nov 2025 23:01

Tgt Ion: 112 Resp: 31794
Ion Ratio Lower Upper
112 100
64 56.7 45.0 67.4
63 30.0 23.2 34.8

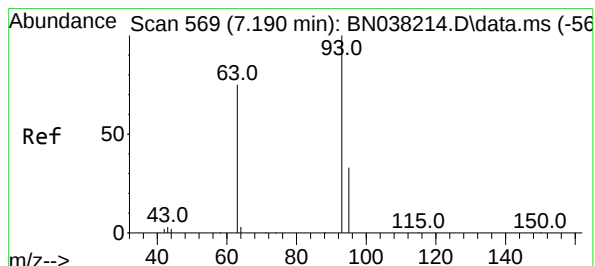
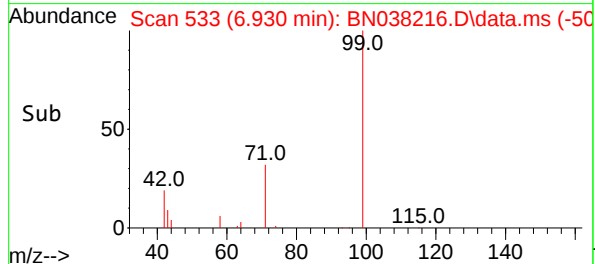
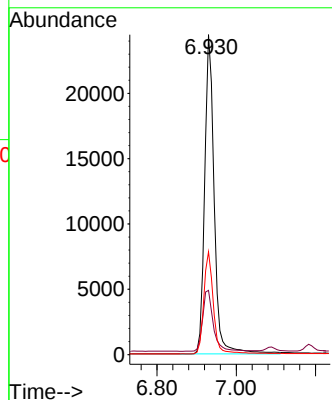
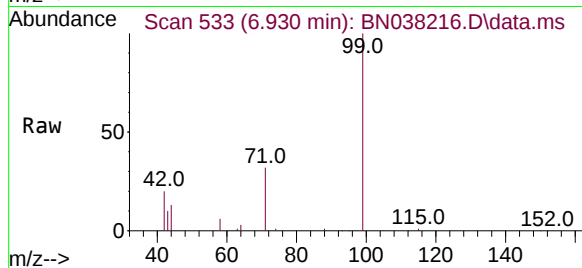




#5
Phenol-d6
Concen: 1.626 ng
RT: 6.930 min Scan# 534
Delta R.T. -0.007 min
Lab File: BN038216.D
Acq: 26 Nov 2025 23:01

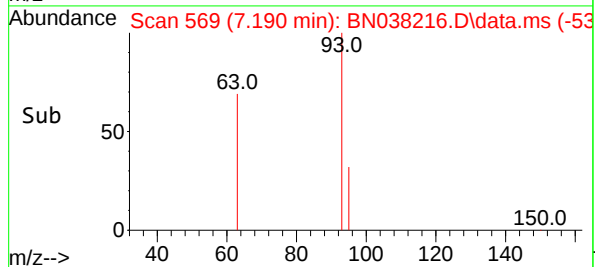
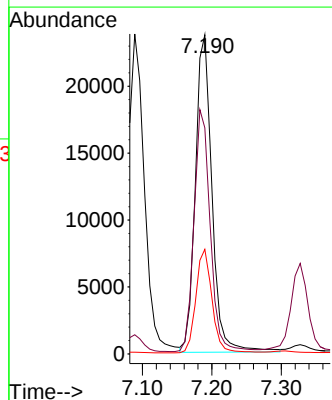
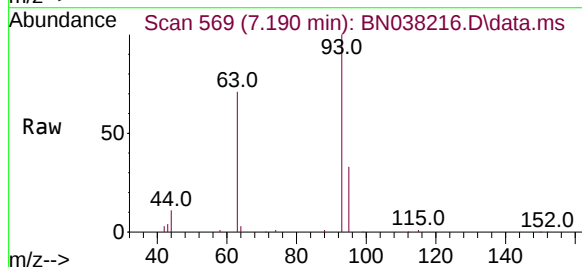
Instrument :
BNA_N
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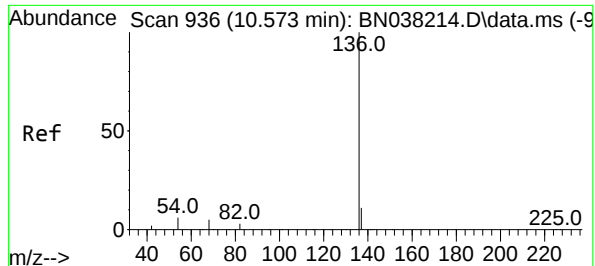
Tgt Ion: 99 Resp: 40785
Ion Ratio Lower Upper
99 100
42 21.1 17.0 25.6
71 32.3 25.4 38.2



#6
bis(2-Chloroethyl)ether
Concen: 1.648 ng
RT: 7.190 min Scan# 569
Delta R.T. 0.000 min
Lab File: BN038216.D
Acq: 26 Nov 2025 23:01

Tgt Ion: 93 Resp: 39573
Ion Ratio Lower Upper
93 100
63 74.3 58.1 87.1
95 31.7 25.1 37.7

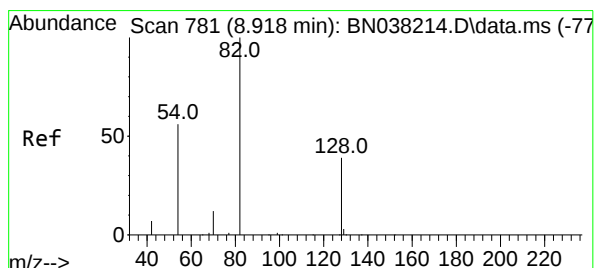
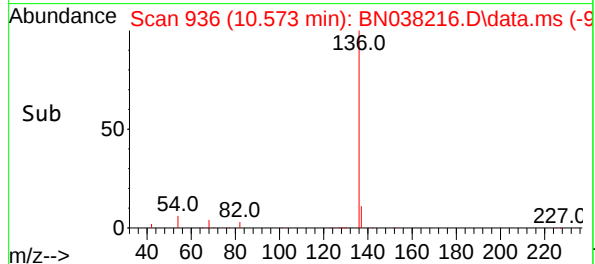
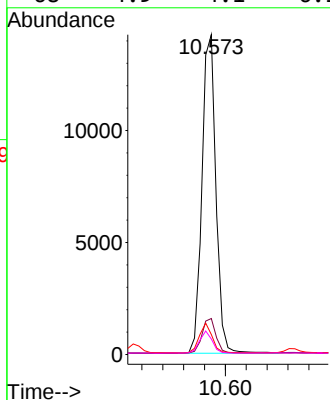
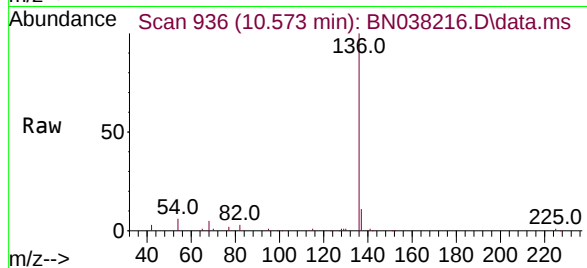




#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.573 min Scan# 936
Delta R.T. 0.000 min
Lab File: BN038216.D
Acq: 26 Nov 2025 23:01

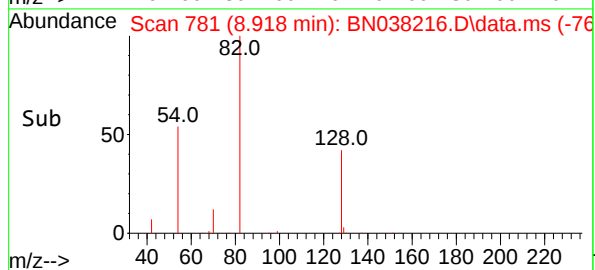
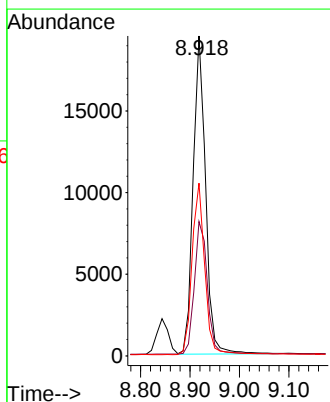
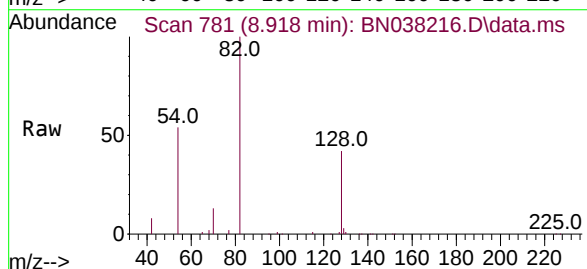
Instrument :
BNA_N
ClientSampleId :
SSTDICC1.6

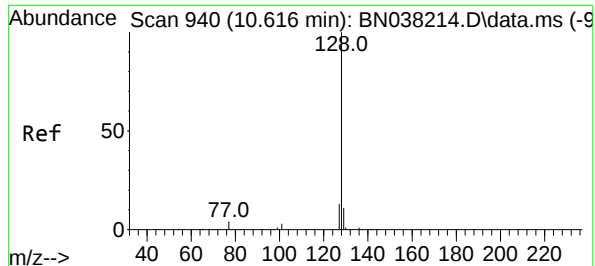
Tgt Ion:	136	Resp:	26479
Ion	Ratio	Lower	Upper
136	100		
137	11.3	8.9	13.3
54	6.3	5.4	8.0
68	4.9	4.1	6.1



#8
Nitrobenzene-d5
Concen: 1.606 ng
RT: 8.918 min Scan# 781
Delta R.T. 0.000 min
Lab File: BN038216.D
Acq: 26 Nov 2025 23:01

Tgt Ion:	82	Resp:	34007
Ion	Ratio	Lower	Upper
82	100		
128	42.0	32.6	48.8
54	54.0	45.4	68.0

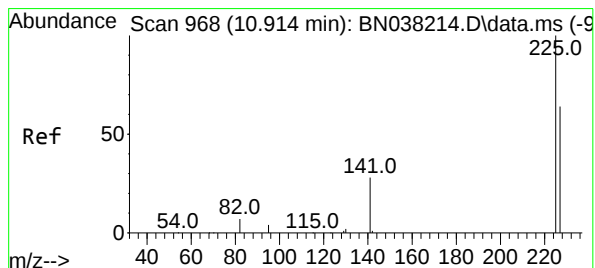
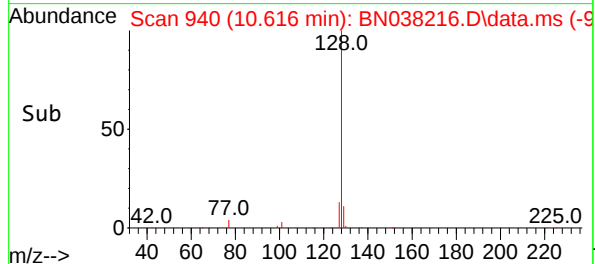
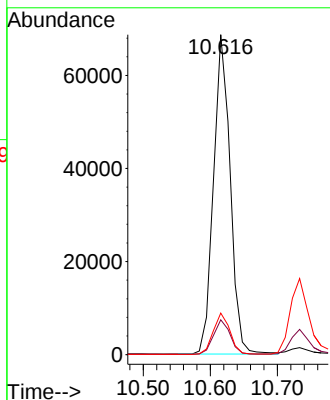
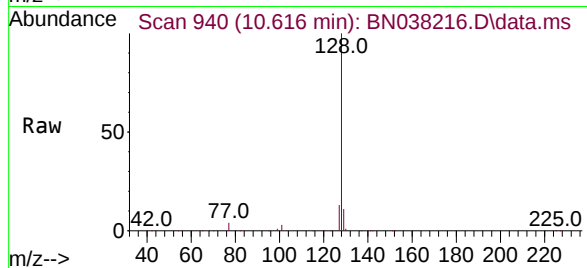




#9
Naphthalene
Concen: 1.611 ng
RT: 10.616 min Scan# 940
Delta R.T. 0.000 min
Lab File: BN038216.D
Acq: 26 Nov 2025 23:01

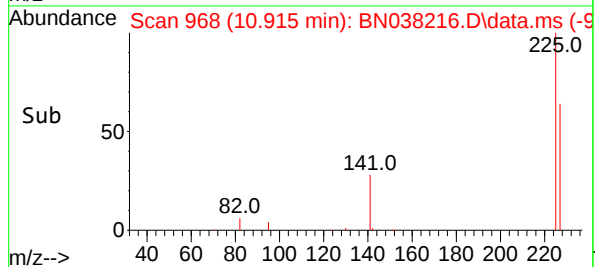
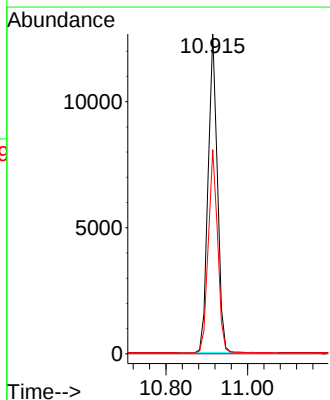
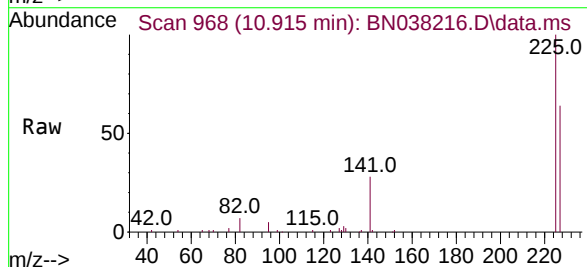
Instrument :
BNA_N
ClientSampleId :
SSTDICC1.6

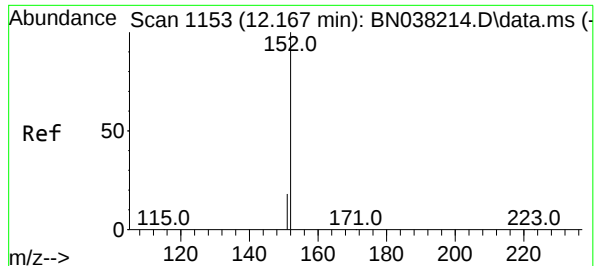
Tgt Ion:128 Resp: 118421
Ion Ratio Lower Upper
128 100
129 10.9 9.1 13.7
127 13.0 10.6 16.0



#10
Hexachlorobutadiene
Concen: 1.593 ng
RT: 10.915 min Scan# 968
Delta R.T. 0.000 min
Lab File: BN038216.D
Acq: 26 Nov 2025 23:01

Tgt Ion:225 Resp: 19920
Ion Ratio Lower Upper
225 100
223 0.0 0.0 0.0
227 63.8 50.5 75.7

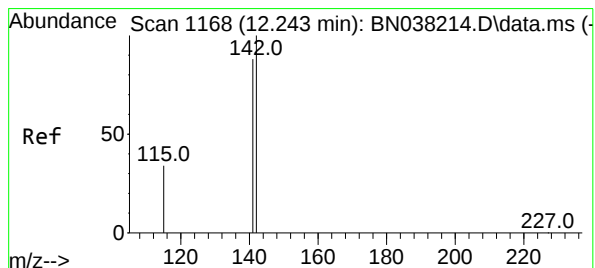
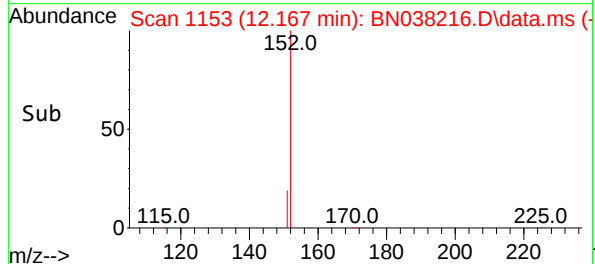
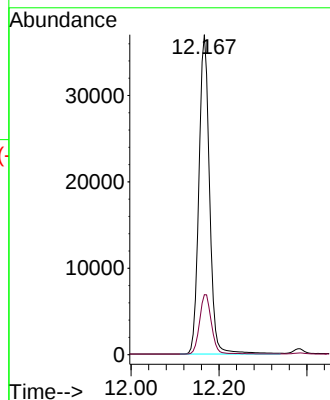
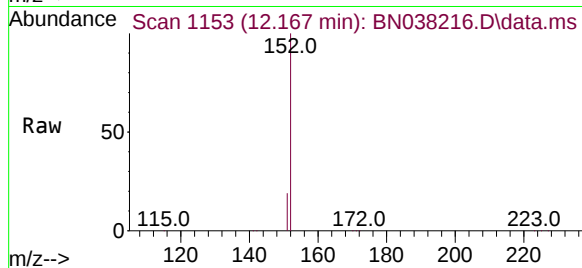




#11
2-Methylnaphthalene-d10
Concen: 1.647 ng
RT: 12.167 min Scan# 1153
Delta R.T. 0.000 min
Lab File: BN038216.D
Acq: 26 Nov 2025 23:01

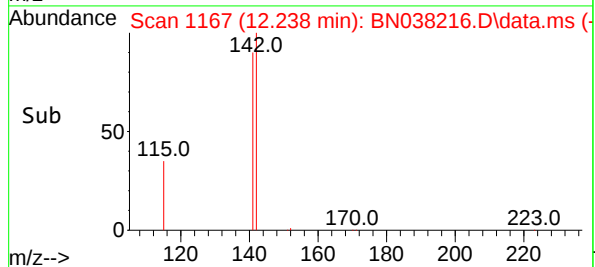
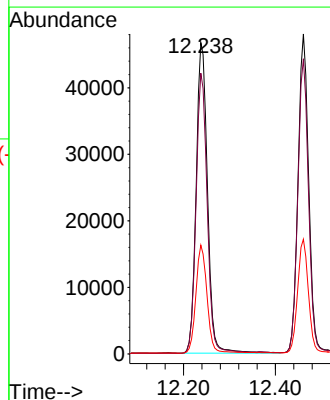
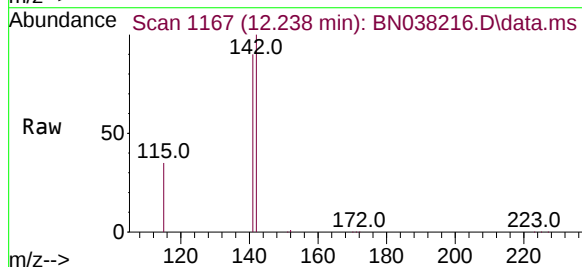
Instrument :
BNA_N
ClientSampleId :
SSTDICC1.6

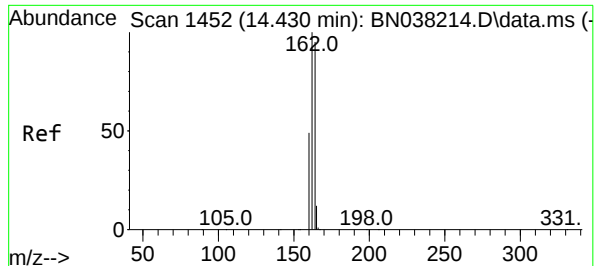
Tgt Ion:152 Resp: 61892
Ion Ratio Lower Upper
152 100
151 20.9 16.7 25.1



#12
2-Methylnaphthalene
Concen: 1.651 ng
RT: 12.238 min Scan# 1167
Delta R.T. -0.005 min
Lab File: BN038216.D
Acq: 26 Nov 2025 23:01

Tgt Ion:142 Resp: 79894
Ion Ratio Lower Upper
142 100
141 90.2 70.9 106.3
115 35.0 27.7 41.5

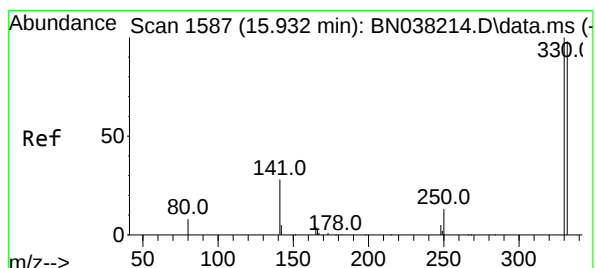
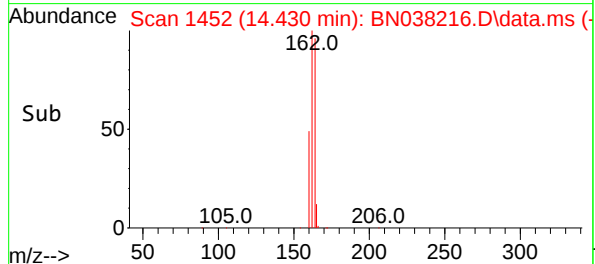
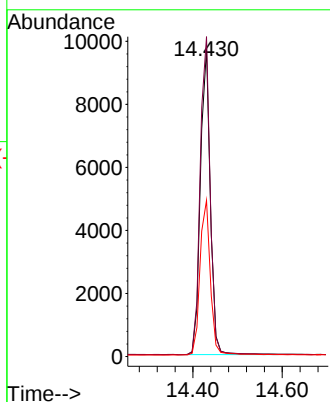
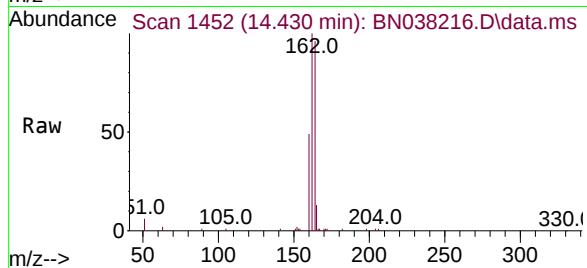




#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.430 min Scan# 1452
Delta R.T. 0.000 min
Lab File: BN038216.D
Acq: 26 Nov 2025 23:01

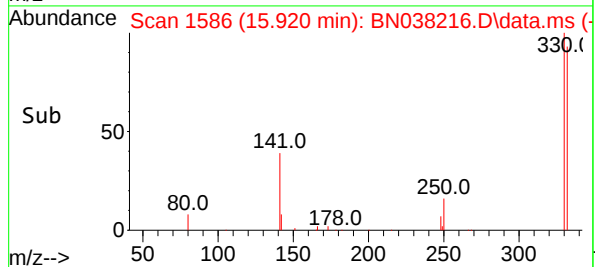
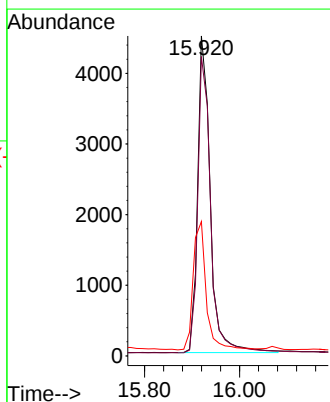
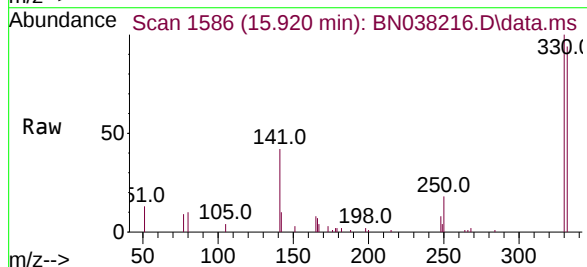
Instrument :
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ClientSampleId :
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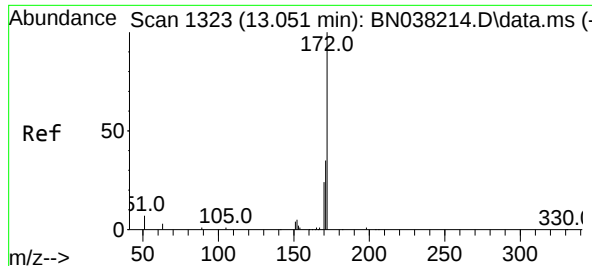
Tgt Ion	164	162	160
Resp:	14911	104.0	50.8
Lower		83.8	41.6
Upper		125.8	62.4



#14
2,4,6-Tribromophenol
Concen: 1.767 ng
RT: 15.920 min Scan# 1586
Delta R.T. -0.012 min
Lab File: BN038216.D
Acq: 26 Nov 2025 23:01

Tgt Ion	330	332	141
Resp:	8291	95.1	41.6
Lower		77.8	33.0
Upper		116.6	49.4

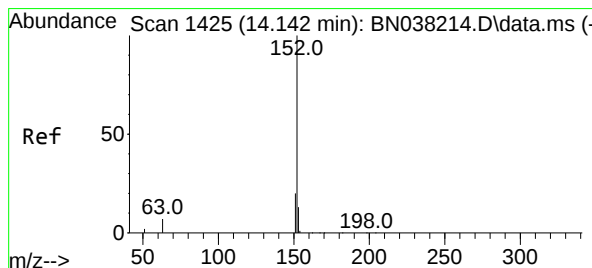
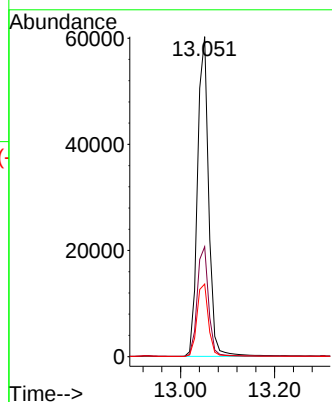
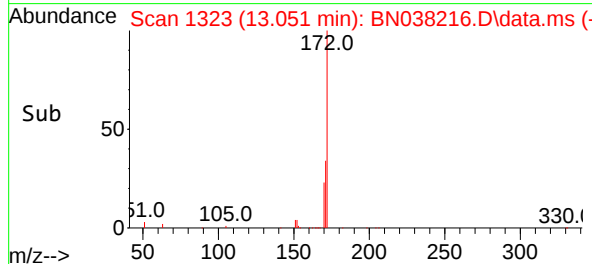
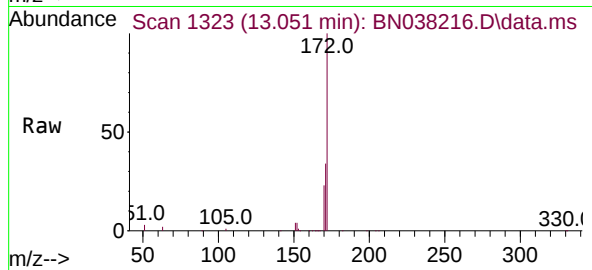




#15
2-Fluorobiphenyl
Concen: 1.634 ng
RT: 13.051 min Scan# 1323
Delta R.T. 0.000 min
Lab File: BN038216.D
Acq: 26 Nov 2025 23:01

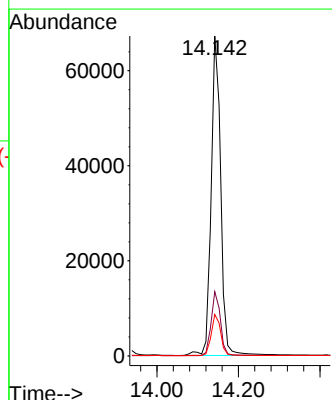
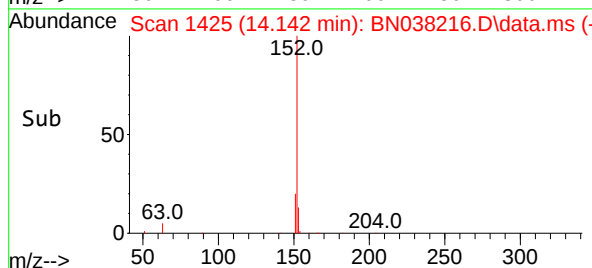
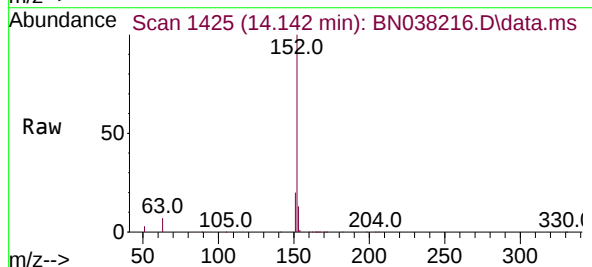
Instrument :
BNA_N
ClientSampleId :
SSTDICC1.6

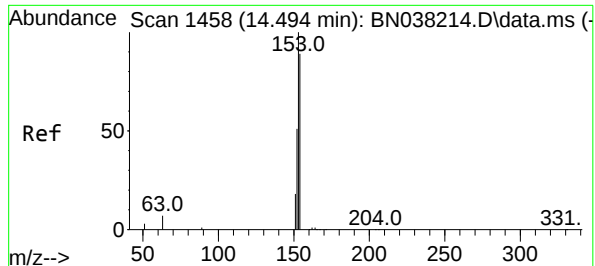
Tgt Ion	Ratio	Lower	Upper
172	100		
171	34.3	28.1	42.1
170	22.7	19.1	28.7



#16
Acenaphthylene
Concen: 1.637 ng
RT: 14.142 min Scan# 1425
Delta R.T. 0.000 min
Lab File: BN038216.D
Acq: 26 Nov 2025 23:01

Tgt Ion	Ratio	Lower	Upper
152	100		
151	19.4	15.6	23.4
153	12.9	10.6	15.8

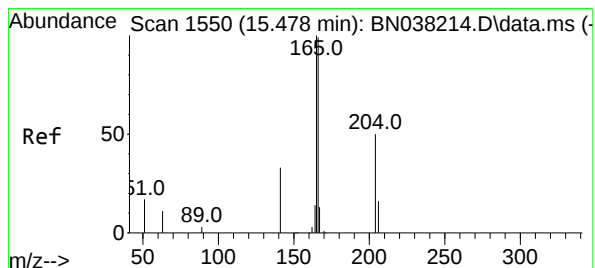
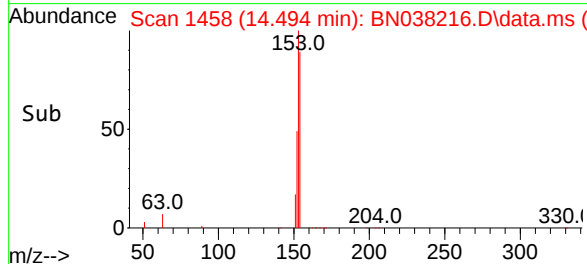
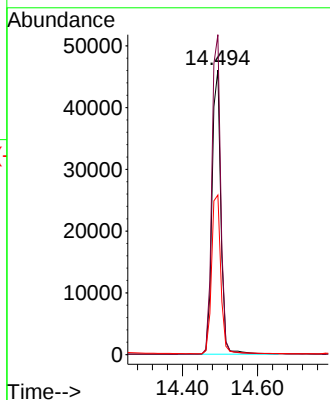
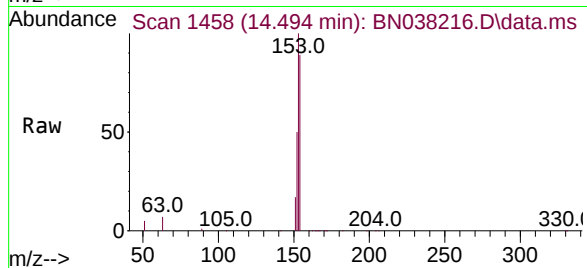




#17
Acenaphthene
Concen: 1.621 ng
RT: 14.494 min Scan# 1458
Delta R.T. 0.000 min
Lab File: BN038216.D
Acq: 26 Nov 2025 23:01

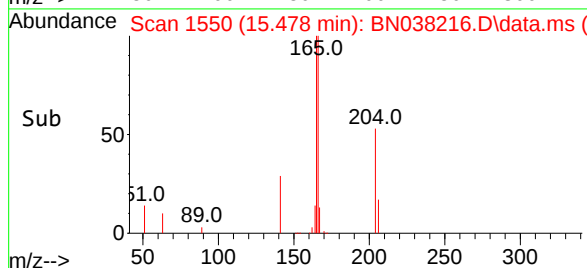
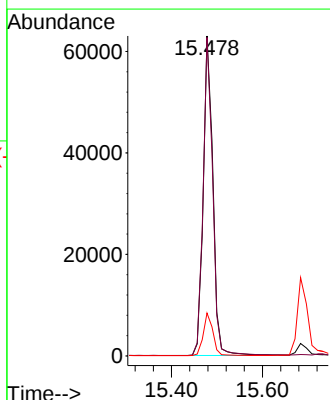
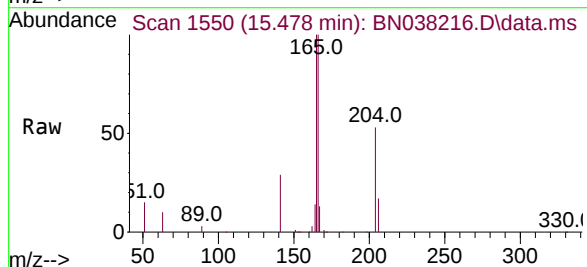
Instrument :
BNA_N
ClientSampleId :
SSTDICC1.6

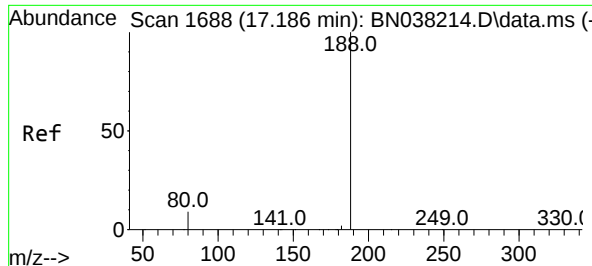
Tgt Ion:154 Resp: 75326
Ion Ratio Lower Upper
154 100
153 113.1 91.1 136.7
152 58.4 48.2 72.2



#18
Fluorene
Concen: 1.665 ng
RT: 15.478 min Scan# 1550
Delta R.T. 0.000 min
Lab File: BN038216.D
Acq: 26 Nov 2025 23:01

Tgt Ion:166 Resp: 100208
Ion Ratio Lower Upper
166 100
165 99.0 78.7 118.1
167 13.2 10.9 16.3





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 17.173 min Scan# 1

Delta R.T. -0.012 min

Lab File: BN038216.D

Acq: 26 Nov 2025 23:01

Instrument :

BNA_N

ClientSampleId :

SSTDICC1.6

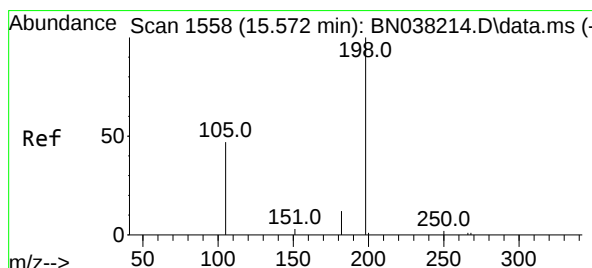
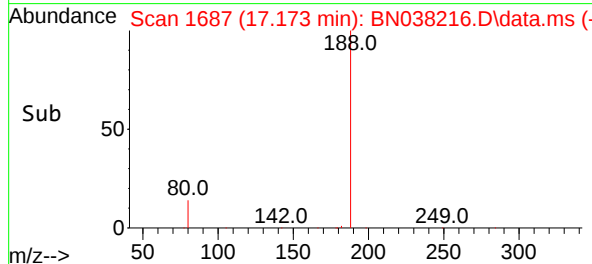
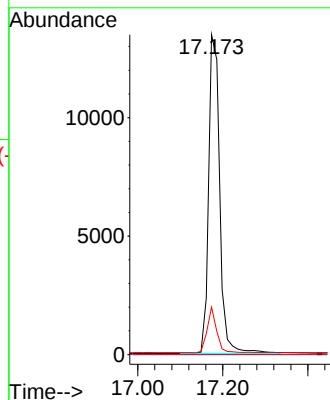
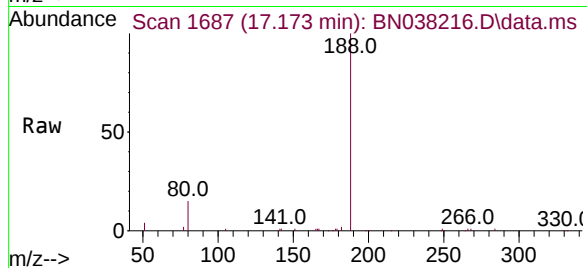
Tgt Ion:188 Resp: 24353

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

80 14.8 7.7 11.5#



#20

4,6-Dinitro-2-methylphenol

Concen: 1.621 ng

RT: 15.560 min Scan# 1557

Delta R.T. -0.012 min

Lab File: BN038216.D

Acq: 26 Nov 2025 23:01

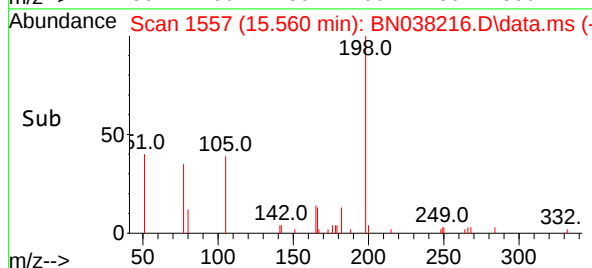
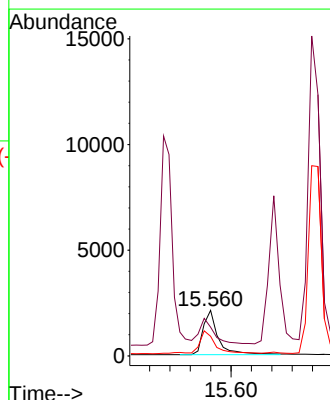
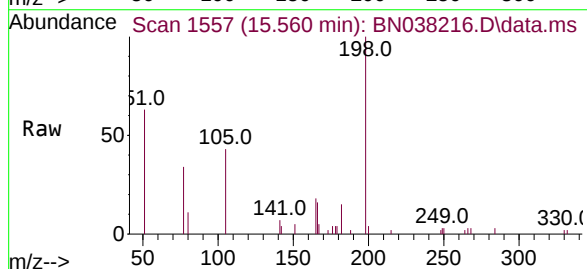
Tgt Ion:198 Resp: 4296

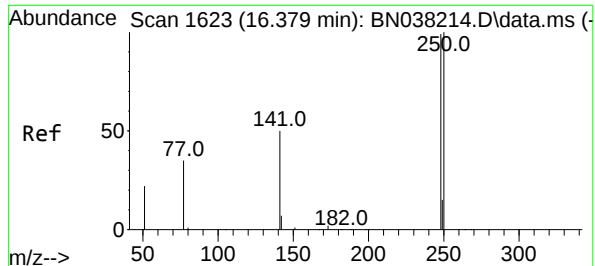
Ion Ratio Lower Upper

198 100

51 63.2 205.1 307.7#

105 42.9 61.6 92.4#

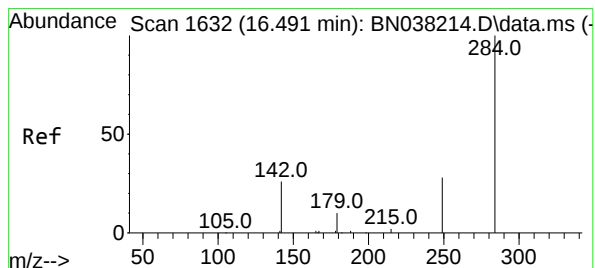
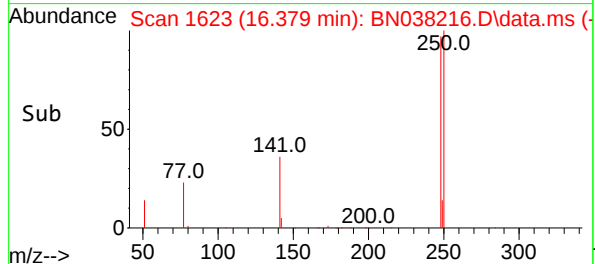
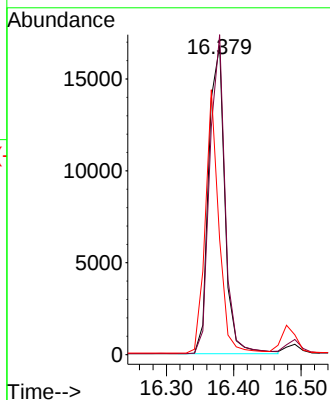
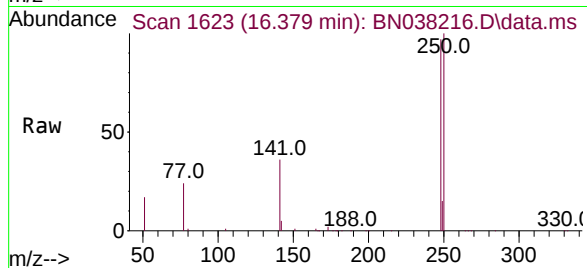




#21
4-Bromophenyl-phenylether
Concen: 1.658 ng
RT: 16.379 min Scan# 1623
Delta R.T. 0.000 min
Lab File: BN038216.D
Acq: 26 Nov 2025 23:01

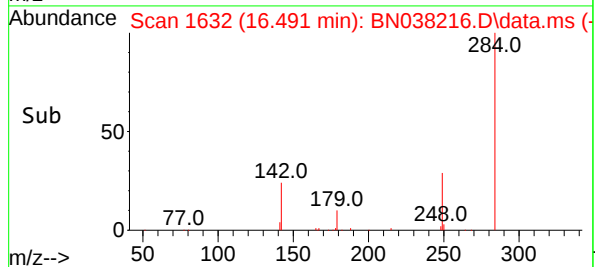
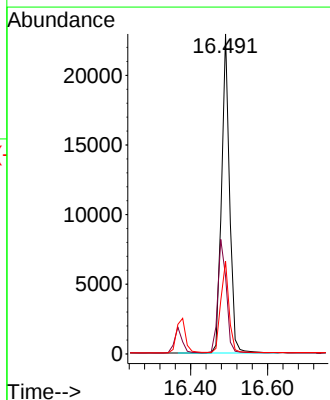
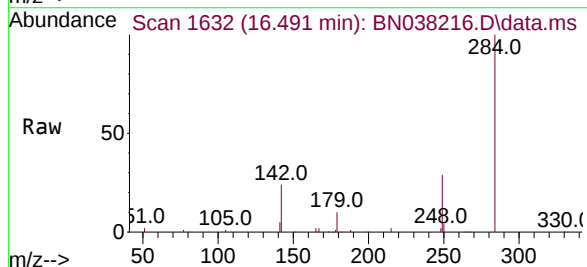
Instrument :
BNA_N
ClientSampleId :
SSTDICC1.6

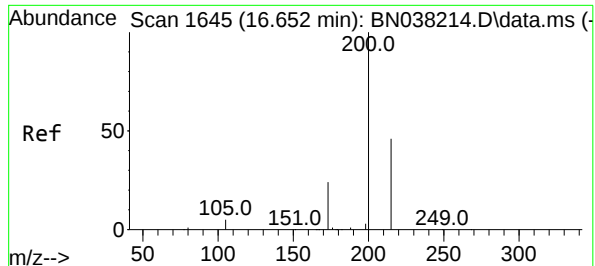
Tgt Ion	Ratio	Lower	Upper
248	100		
250	103.6	80.8	121.2
141	37.3	41.0	61.6#



#22
Hexachlorobenzene
Concen: 1.584 ng
RT: 16.491 min Scan# 1632
Delta R.T. 0.000 min
Lab File: BN038216.D
Acq: 26 Nov 2025 23:01

Tgt Ion	Ratio	Lower	Upper
284	100		
142	37.7	30.5	45.7
249	29.6	23.8	35.8

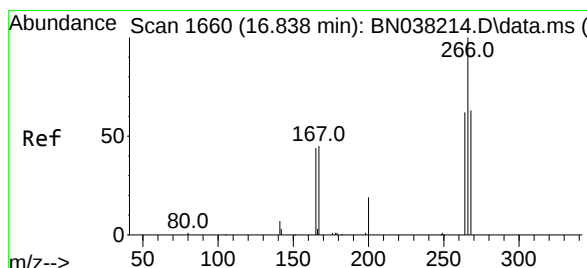
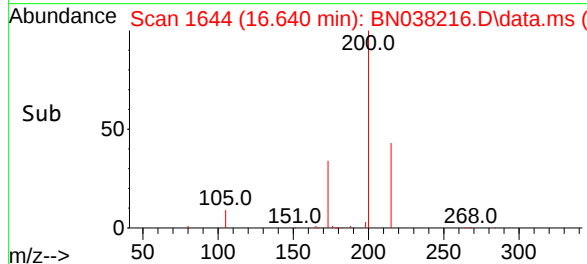
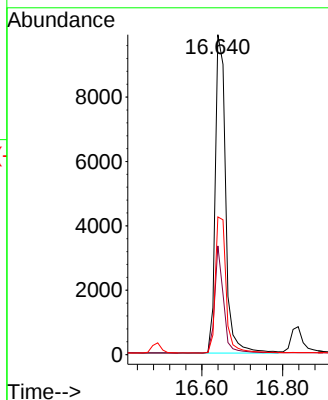
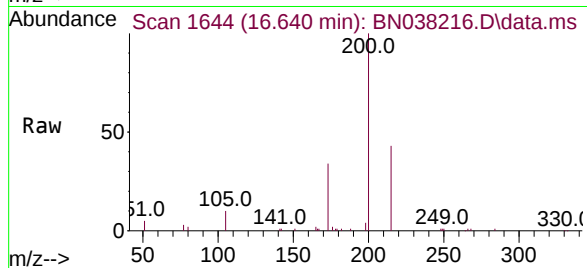




#23
Atrazine
Concen: 1.635 ng
RT: 16.640 min Scan# 1644
Delta R.T. -0.012 min
Lab File: BN038216.D
Acq: 26 Nov 2025 23:01

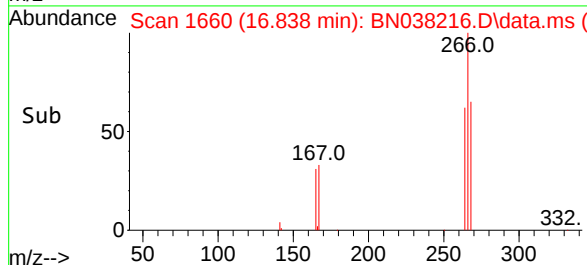
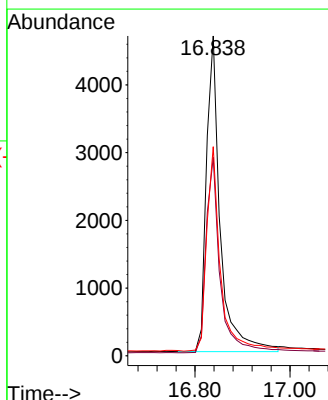
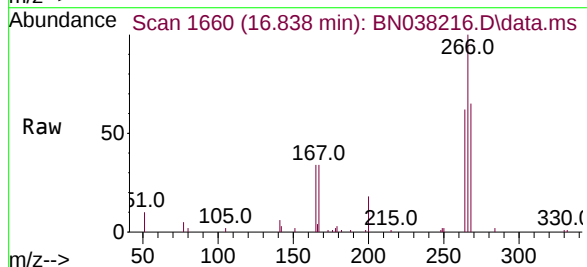
Instrument :
BNA_N
ClientSampleId :
SSTDICC1.6

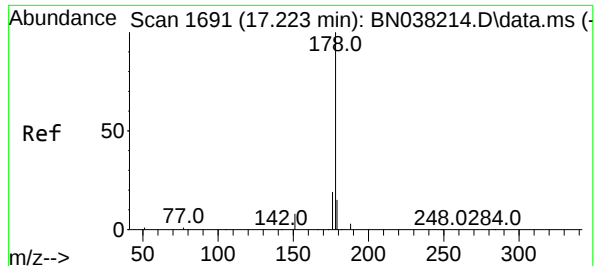
Tgt Ion:200 Resp: 17617
Ion Ratio Lower Upper
200 100
173 34.0 21.0 31.6#
215 43.0 37.8 56.8



#24
Pentachlorophenol
Concen: 1.650 ng
RT: 16.838 min Scan# 1660
Delta R.T. 0.000 min
Lab File: BN038216.D
Acq: 26 Nov 2025 23:01

Tgt Ion:266 Resp: 9380
Ion Ratio Lower Upper
266 100
264 62.1 48.9 73.3
268 64.2 50.2 75.2

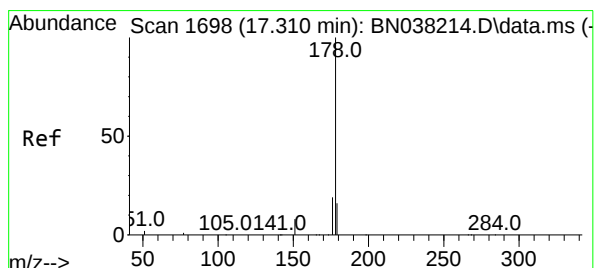
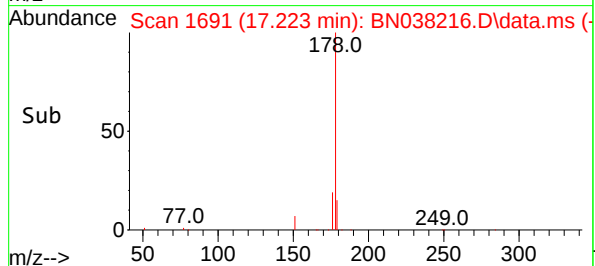
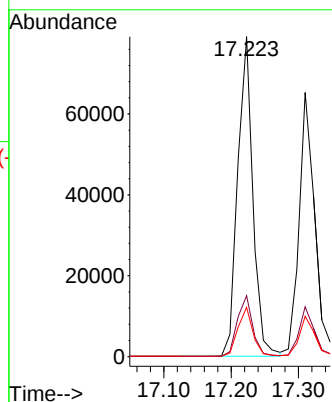
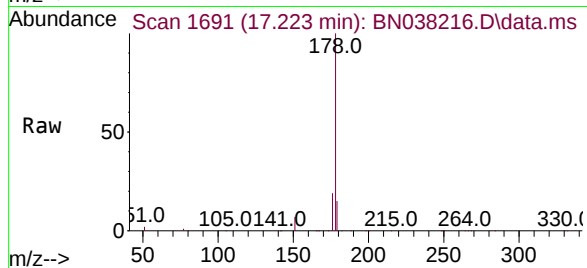




#25
Phenanthrene
Concen: 1.619 ng
RT: 17.223 min Scan# 1691
Delta R.T. 0.000 min
Lab File: BN038216.D
Acq: 26 Nov 2025 23:01

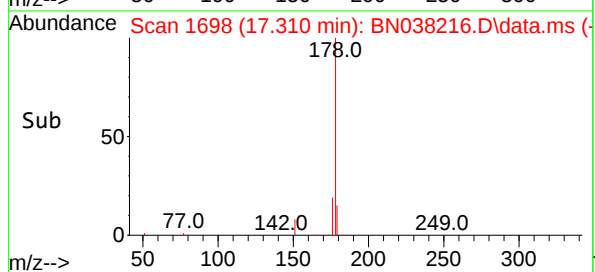
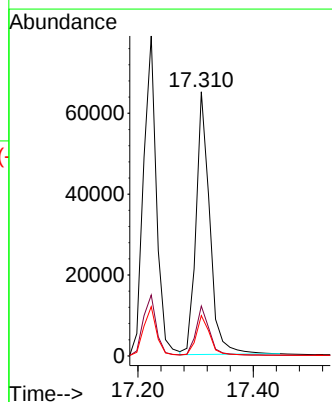
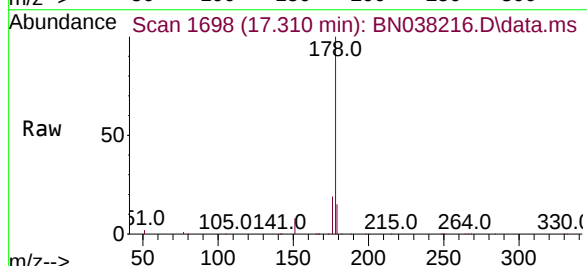
Instrument :
BNA_N
ClientSampleId :
SSTDICC1.6

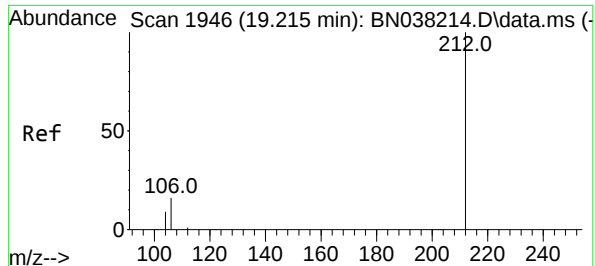
Tgt Ion:178 Resp: 123735
Ion Ratio Lower Upper
178 100
176 19.2 15.3 22.9
179 15.2 12.0 18.0



#26
Anthracene
Concen: 1.642 ng
RT: 17.310 min Scan# 1698
Delta R.T. 0.000 min
Lab File: BN038216.D
Acq: 26 Nov 2025 23:01

Tgt Ion:178 Resp: 107108
Ion Ratio Lower Upper
178 100
176 18.5 14.7 22.1
179 15.2 12.3 18.5





#27

Fluoranthene-d10

Concen: 1.593 ng

RT: 19.215 min Scan# 1946

Delta R.T. 0.000 min

Lab File: BN038216.D

Acq: 26 Nov 2025 23:01

Instrument :

BNA_N

ClientSampleId :

SSTDICC1.6

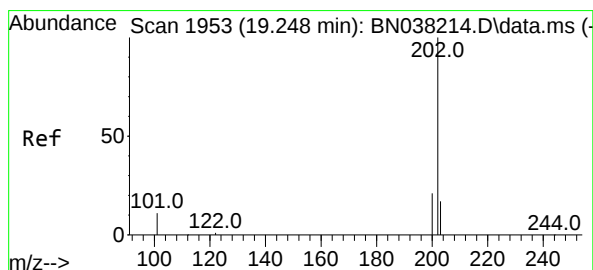
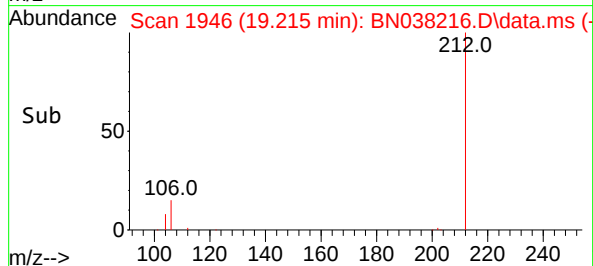
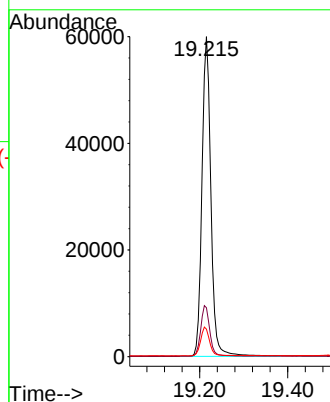
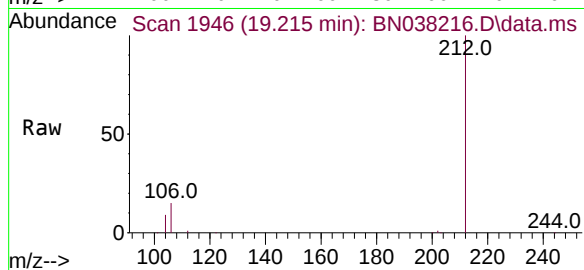
Tgt Ion:212 Resp: 84152

Ion Ratio Lower Upper

212 100

106 16.0 12.7 19.1

104 9.0 7.3 10.9



#28

Fluoranthene

Concen: 1.626 ng

RT: 19.243 min Scan# 1952

Delta R.T. -0.005 min

Lab File: BN038216.D

Acq: 26 Nov 2025 23:01

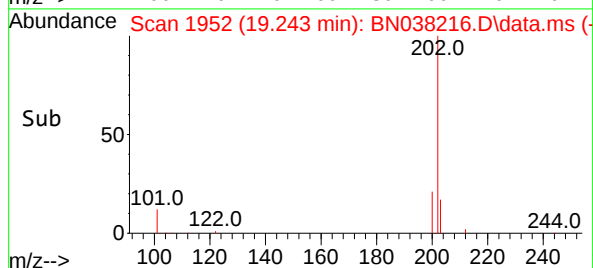
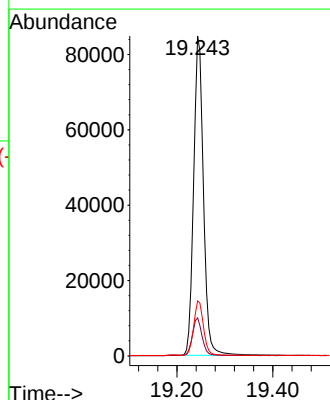
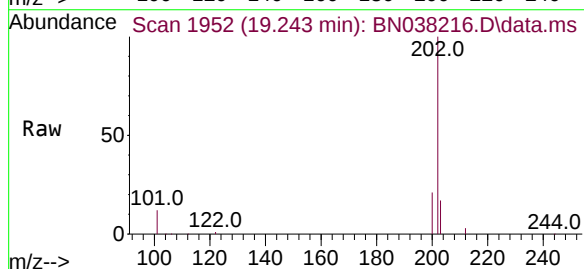
Tgt Ion:202 Resp: 119828

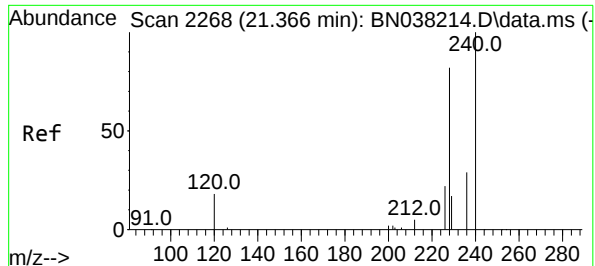
Ion Ratio Lower Upper

202 100

101 11.9 9.8 14.6

203 17.0 13.6 20.4





#29

Chrysene-d12

Concen: 0.400 ng

RT: 21.366 min Scan# 21

Delta R.T. 0.000 min

Lab File: BN038216.D

Acq: 26 Nov 2025 23:01

Instrument :

BNA_N

ClientSampleId :

SSTDICC1.6

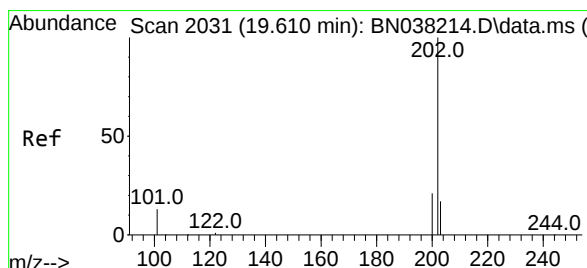
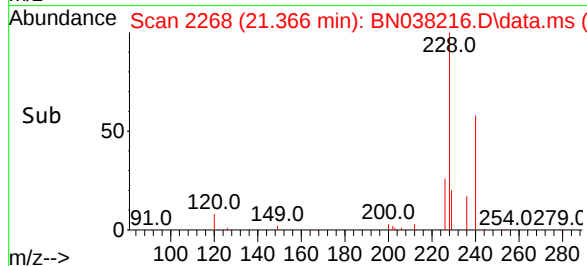
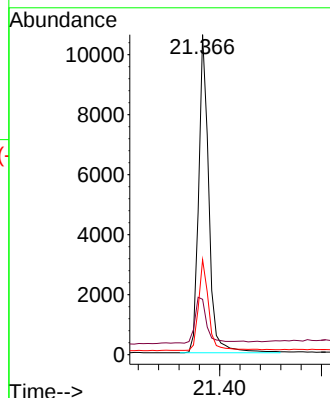
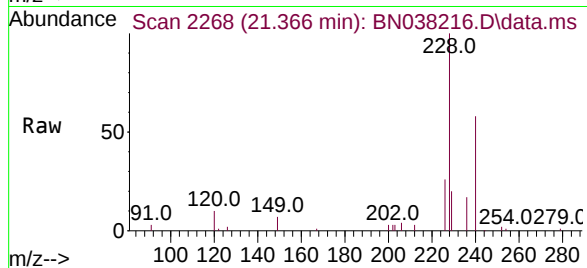
Tgt Ion:240 Resp: 14651

Ion Ratio Lower Upper

240 100

120 17.3 18.1 27.1#

236 29.7 24.2 36.4



#30

Pyrene

Concen: 1.580 ng

RT: 19.606 min Scan# 2030

Delta R.T. -0.005 min

Lab File: BN038216.D

Acq: 26 Nov 2025 23:01

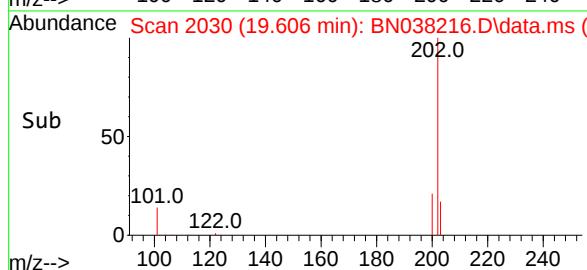
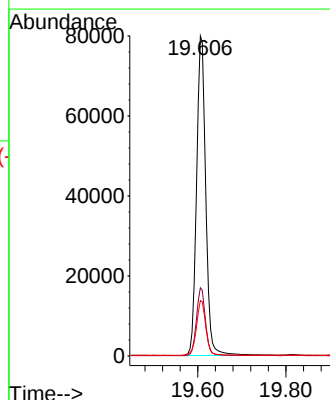
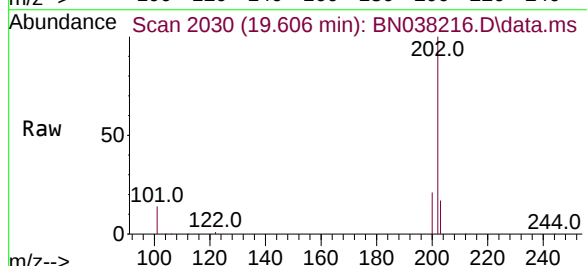
Tgt Ion:202 Resp: 115630

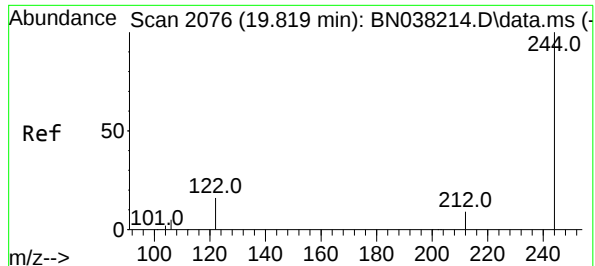
Ion Ratio Lower Upper

202 100

200 21.0 16.8 25.2

203 17.6 14.4 21.6

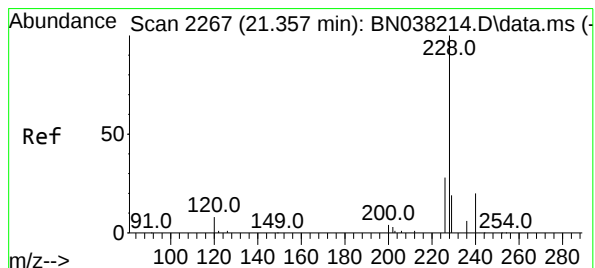
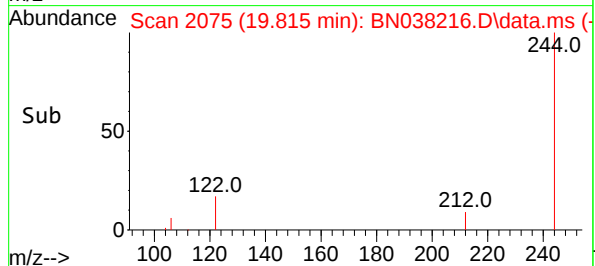
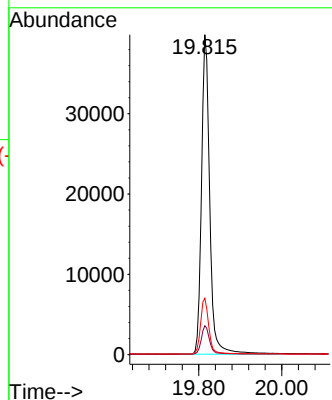
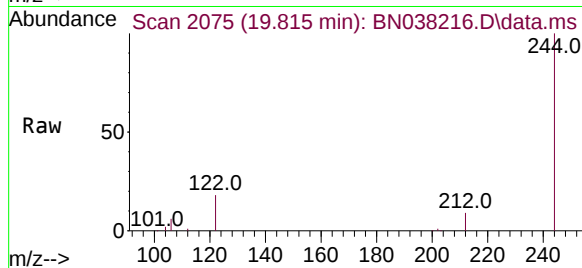




#31
Terphenyl-d14
Concen: 1.605 ng
RT: 19.815 min Scan# 2076
Delta R.T. -0.005 min
Lab File: BN038216.D
Acq: 26 Nov 2025 23:01

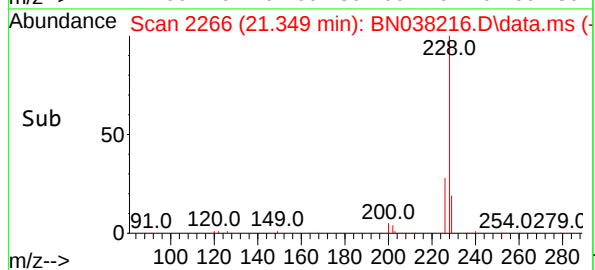
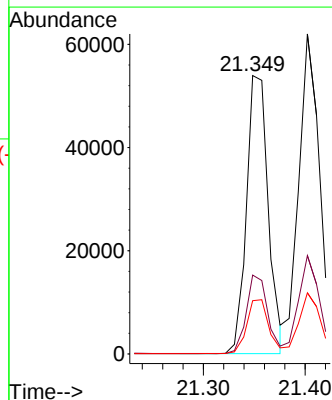
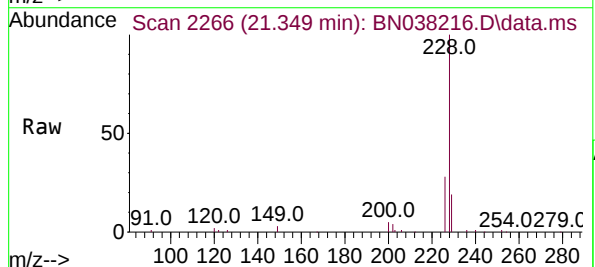
Instrument :
BNA_N
ClientSampleId :
SSTDICC1.6

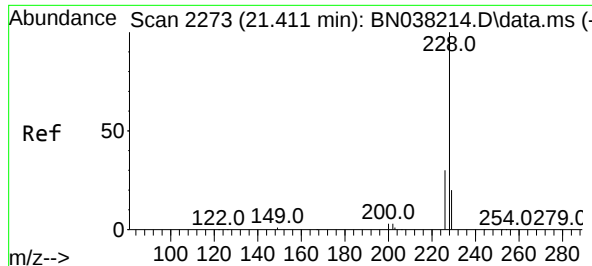
Tgt Ion:244 Resp: 54297
Ion Ratio Lower Upper
244 100
212 9.0 7.7 11.5
122 17.6 13.6 20.4



#32
Benzo(a)anthracene
Concen: 1.622 ng
RT: 21.349 min Scan# 2266
Delta R.T. -0.009 min
Lab File: BN038216.D
Acq: 26 Nov 2025 23:01

Tgt Ion:228 Resp: 80458
Ion Ratio Lower Upper
228 100
226 28.3 22.6 33.8
229 19.1 15.8 23.8





#33

Chrysene

Concen: 1.598 ng

RT: 21.402 min Scan# 21

Delta R.T. -0.009 min

Lab File: BN038216.D

Acq: 26 Nov 2025 23:01

Instrument :

BNA_N

ClientSampleId :

SSTDICC1.6

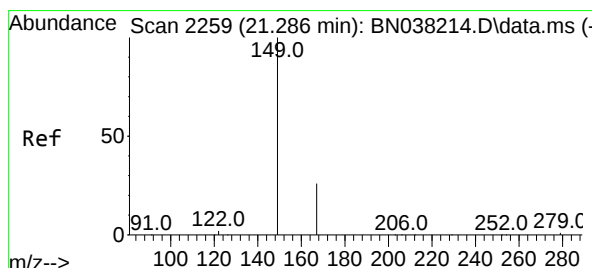
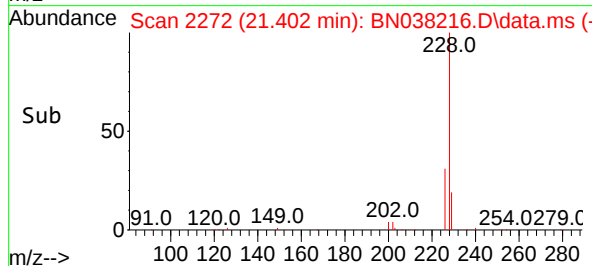
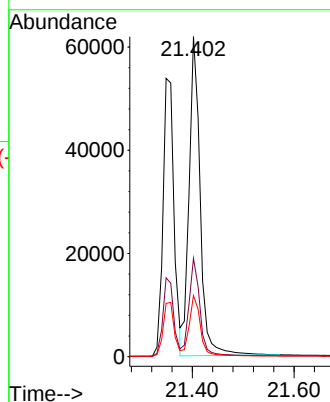
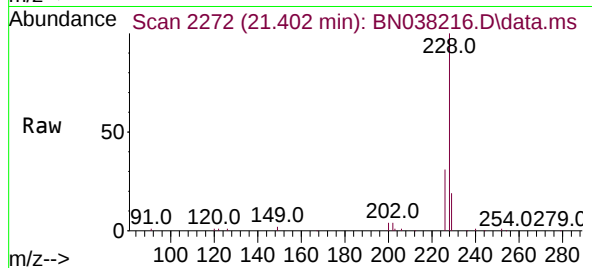
Tgt Ion:228 Resp: 93587

Ion Ratio Lower Upper

228 100

226 30.7 23.8 35.8

229 19.1 16.1 24.1



#34

Bis(2-ethylhexyl)phthalate

Concen: 1.472 ng

RT: 21.286 min Scan# 2259

Delta R.T. 0.000 min

Lab File: BN038216.D

Acq: 26 Nov 2025 23:01

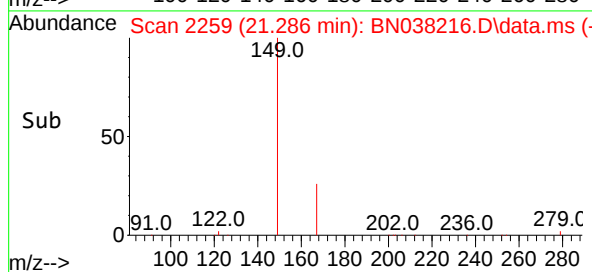
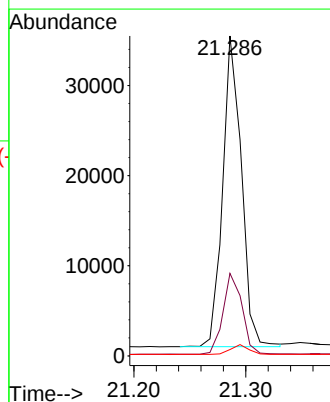
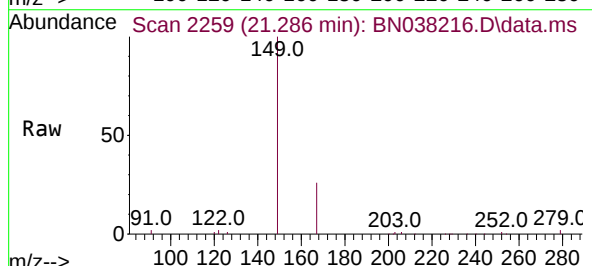
Tgt Ion:149 Resp: 39988

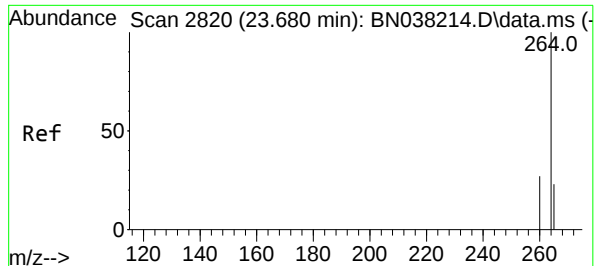
Ion Ratio Lower Upper

149 100

167 26.6 20.7 31.1

279 3.1 2.5 3.7





#35

Perylene-d12

Concen: 0.400 ng

RT: 23.674 min Scan# 2818

Delta R.T. -0.006 min

Lab File: BN038216.D

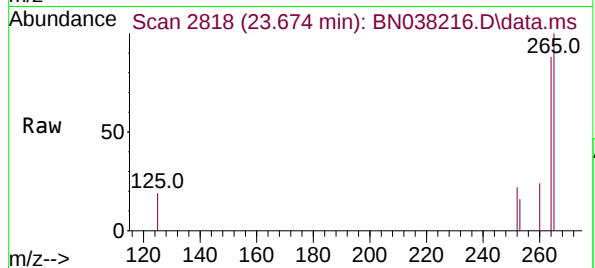
Acq: 26 Nov 2025 23:01

Instrument :

BNA_N

ClientSampleId :

SSTDICC1.6



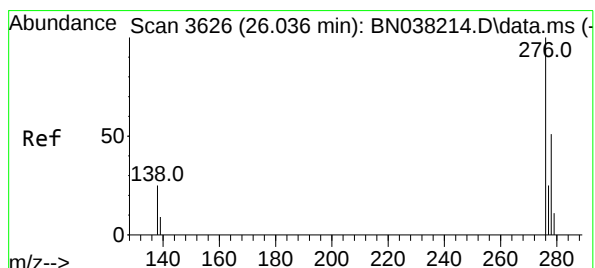
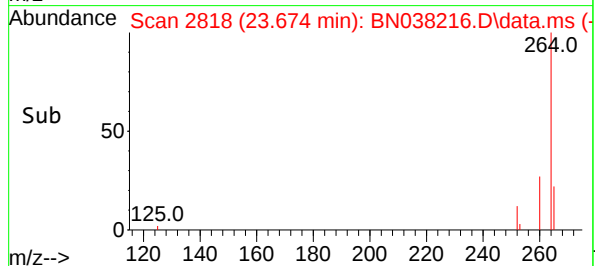
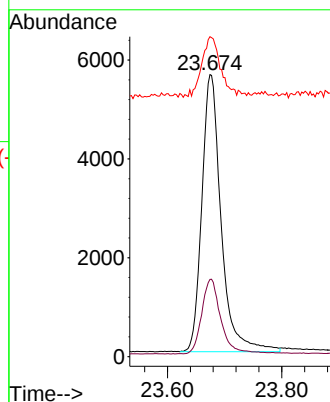
Tgt Ion:264 Resp: 13162

Ion Ratio Lower Upper

264 100

260 27.4 21.7 32.5

265 113.5 98.0 147.0



#36

Indeno(1,2,3-cd)pyrene

Concen: 1.696 ng

RT: 26.028 min Scan# 3623

Delta R.T. -0.009 min

Lab File: BN038216.D

Acq: 26 Nov 2025 23:01

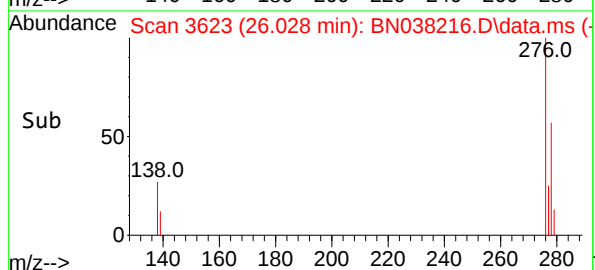
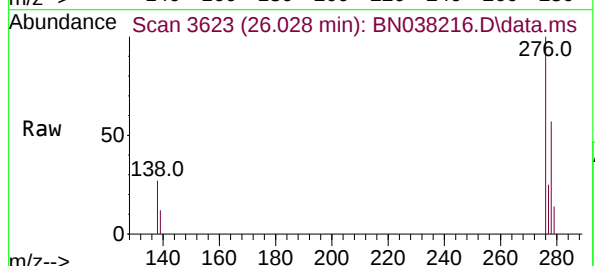
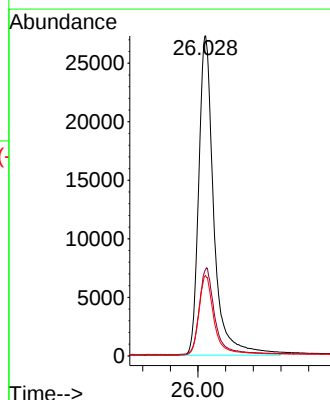
Tgt Ion:276 Resp: 103317

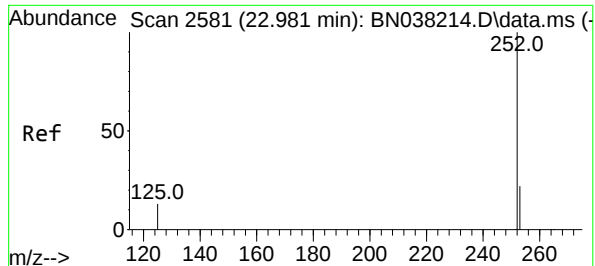
Ion Ratio Lower Upper

276 100

138 26.9 21.4 32.2

277 24.8 19.1 28.7





#37

Benzo(b)fluoranthene

Concen: 1.633 ng

RT: 22.975 min Scan# 2579

Delta R.T. -0.006 min

Lab File: BN038216.D

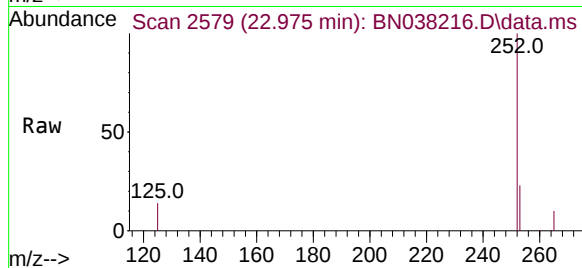
Acq: 26 Nov 2025 23:01

Instrument :

BNA_N

ClientSampleId :

SSTDICC1.6



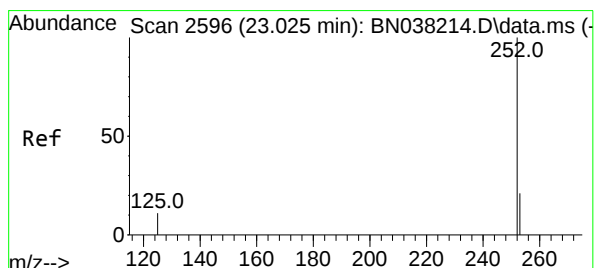
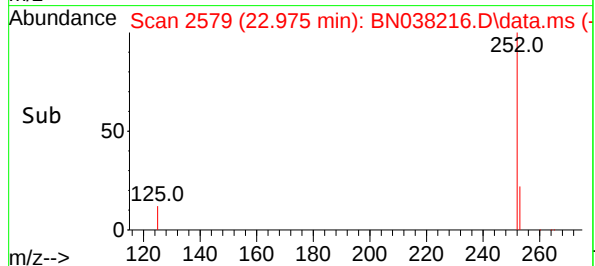
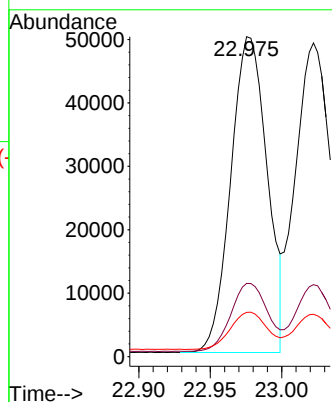
Tgt Ion:252 Resp: 88199

Ion Ratio Lower Upper

252 100

253 22.9 22.2 33.4

125 13.8 18.0 27.0#



#38

Benzo(k)fluoranthene

Concen: 1.639 ng

RT: 23.022 min Scan# 2595

Delta R.T. -0.003 min

Lab File: BN038216.D

Acq: 26 Nov 2025 23:01

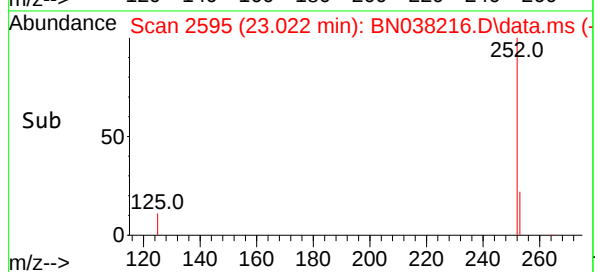
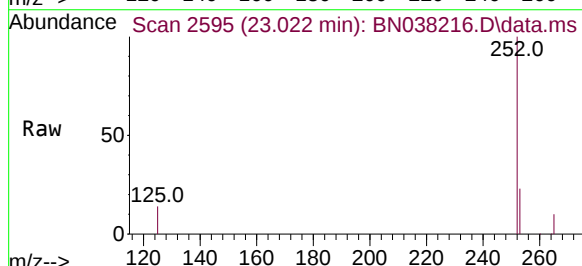
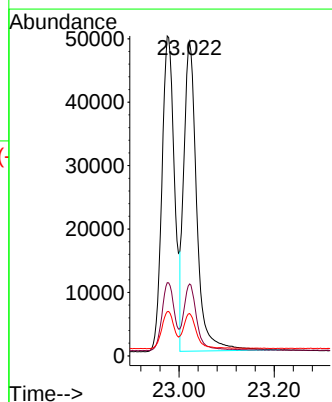
Tgt Ion:252 Resp: 92066

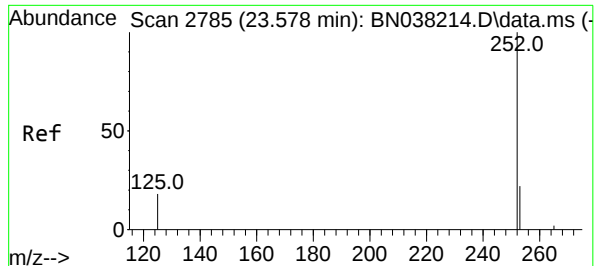
Ion Ratio Lower Upper

252 100

253 22.9 22.4 33.6

125 13.5 17.5 26.3#





#39

Benzo(a)pyrene

Concen: 1.631 ng

RT: 23.572 min Scan# 21

Delta R.T. -0.006 min

Lab File: BN038216.D

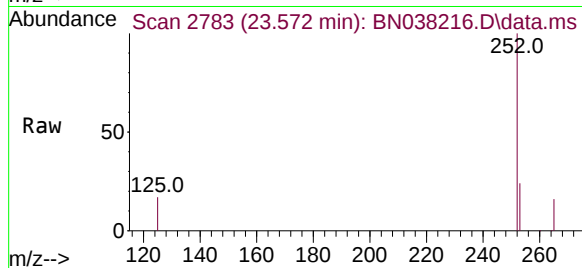
Acq: 26 Nov 2025 23:01

Instrument :

BNA_N

ClientSampleId :

SSTDICC1.6



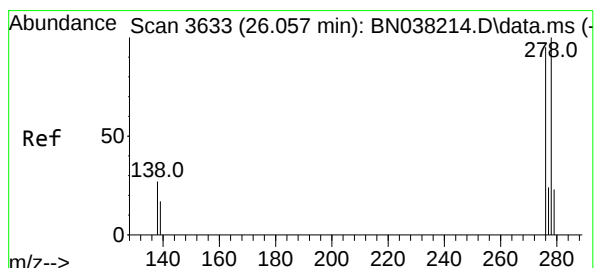
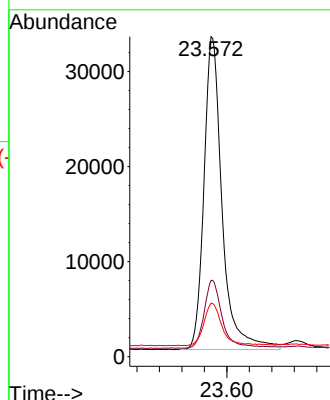
Tgt Ion:252 Resp: 73851

Ion Ratio Lower Upper

252 100

253 23.8 25.3 37.9#

125 16.7 25.2 37.8#



#40

Dibenzo(a,h)anthracene

Concen: 1.726 ng

RT: 26.042 min Scan# 3628

Delta R.T. -0.015 min

Lab File: BN038216.D

Acq: 26 Nov 2025 23:01

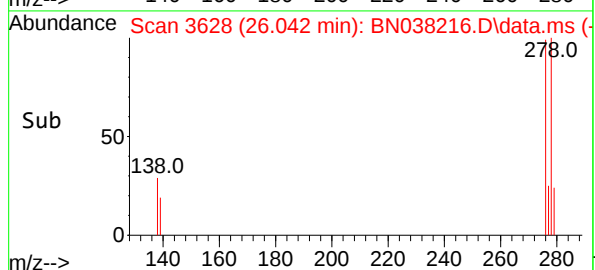
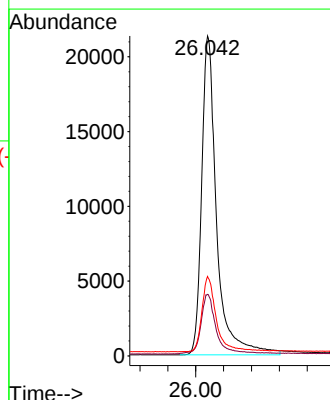
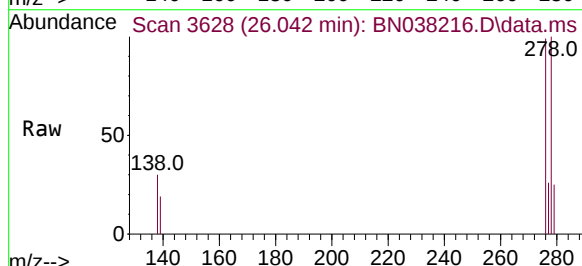
Tgt Ion:278 Resp: 79584

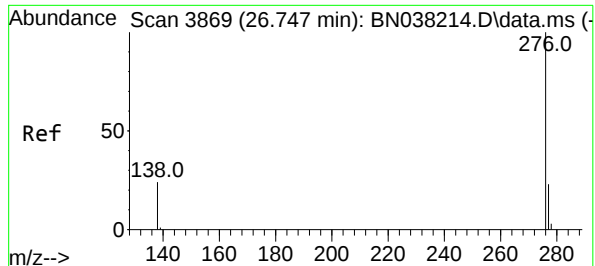
Ion Ratio Lower Upper

278 100

139 19.2 17.6 26.4

279 24.8 24.2 36.4





#41

Benzo(g,h,i)perylene

Concen: 1.652 ng

RT: 26.741 min Scan# 3867

Delta R.T. -0.006 min

Lab File: BN038216.D

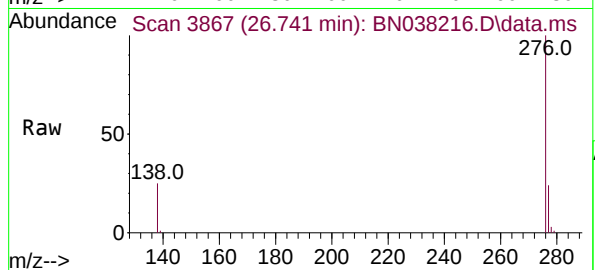
Acq: 26 Nov 2025 23:01

Instrument :

BNA_N

ClientSampleId :

SSTDICC1.6



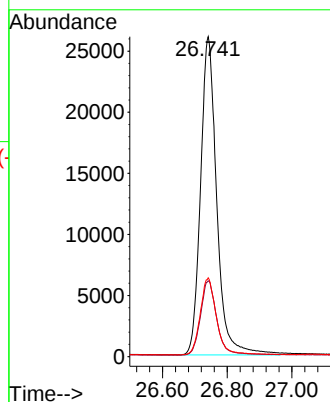
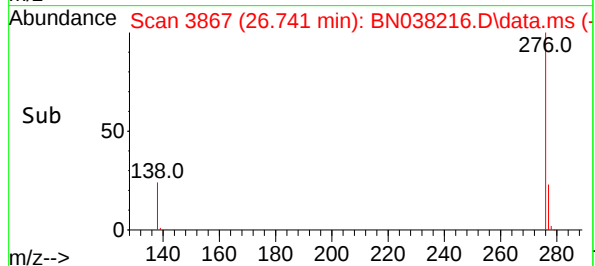
Tgt Ion:276 Resp: 90531

Ion Ratio Lower Upper

276 100

277 23.7 20.2 30.2

138 24.6 20.8 31.2



Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN112725\
 Data File : BN038217.D
 Acq On : 26 Nov 2025 23:37
 Operator : RC/JU
 Sample : SSTDICC3.2
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 SSTDICC3.2

Quant Time: Nov 28 20:55:50 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN112725.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Nov 28 20:22:09 2025
 Response via : Initial Calibration

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

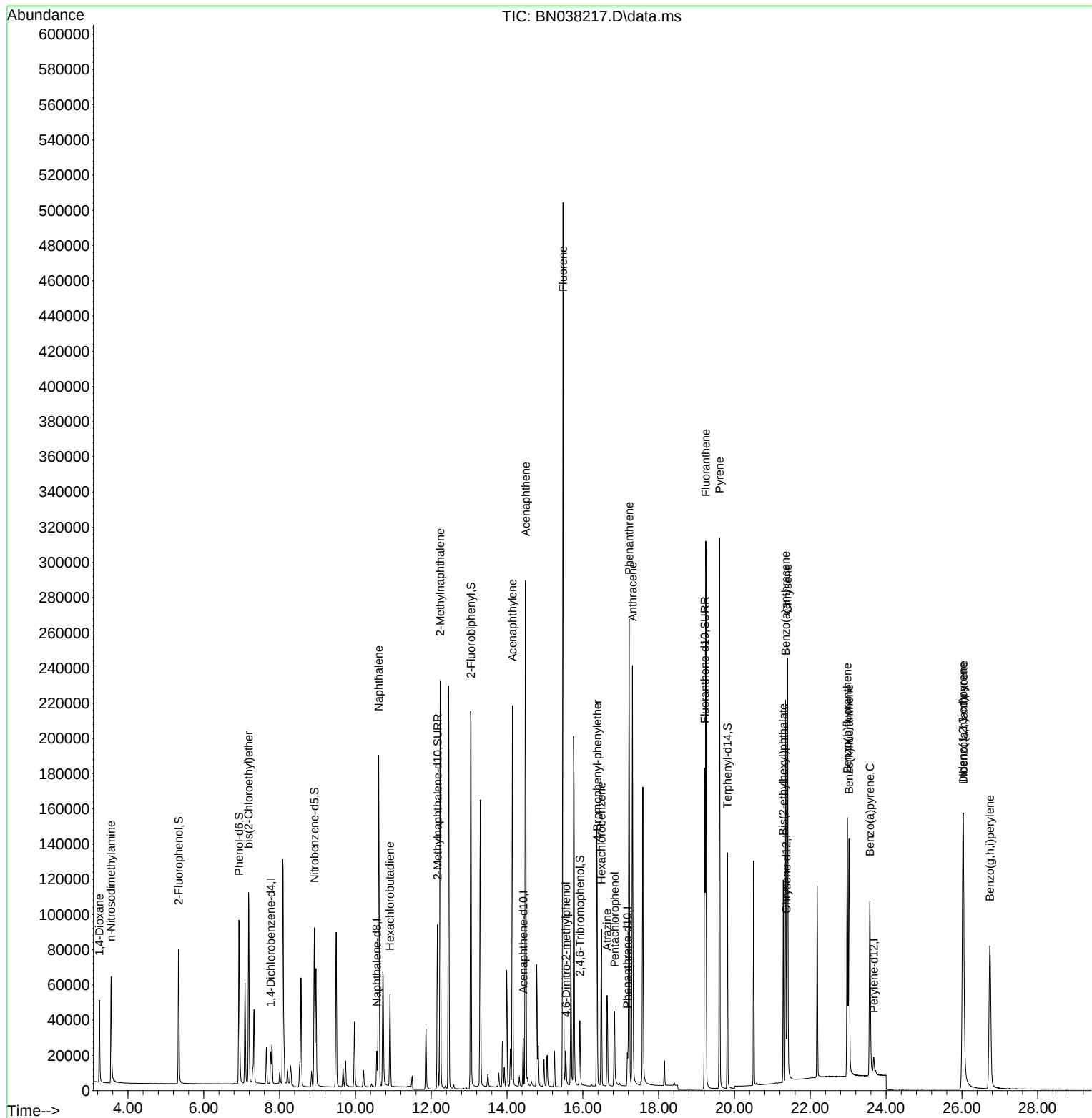
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.768	152	8921	0.400	ng	0.00
7) Naphthalene-d8	10.562	136	27682	0.400	ng	#-0.01
13) Acenaphthene-d10	14.430	164	16051	0.400	ng	0.00
19) Phenanthrene-d10	17.174	188	27295	0.400	ng	#-0.01
29) Chrysene-d12	21.367	240	16427	0.400	ng	# 0.00
35) Perylene-d12	23.674	264	13786	0.400	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.341	112	65305	3.132	ng	0.00
5) Phenol-d6	6.930	99	85830	3.295	ng	0.00
8) Nitrobenzene-d5	8.918	82	68353	3.088	ng	0.00
11) 2-Methylnaphthalene-d10	12.167	152	129220	3.288	ng	0.00
14) 2,4,6-Tribromophenol	15.920	330	21150	4.188	ng	-0.01
15) 2-Fluorobiphenyl	13.051	172	189268	3.053	ng	0.00
27) Fluoranthene-d10	19.215	212	197760	3.340	ng	0.00
31) Terphenyl-d14	19.815	244	127791	3.368	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.247	88	28493	3.032	ng	100
3) n-Nitrosodimethylamine	3.550	42	37688	3.252	ng	# 96
6) bis(2-Chloroethyl)ether	7.183	93	80616	3.232	ng	98
9) Naphthalene	10.616	128	242099	3.149	ng	99
10) Hexachlorobutadiene	10.915	225	39924	3.054	ng	# 99
12) 2-Methylnaphthalene	12.238	142	166016	3.282	ng	99
16) Acenaphthylene	14.142	152	239664	3.339	ng	100
17) Acenaphthene	14.495	154	162095	3.240	ng	97
18) Fluorene	15.478	166	219348	3.387	ng	99
20) 4,6-Dinitro-2-methylph...	15.560	198	12986	3.198	ng	# 1
21) 4-Bromophenyl-phenylether	16.379	248	62082	3.283	ng	# 91
22) Hexachlorobenzene	16.491	284	69759	3.000	ng	100
23) Atrazine	16.640	200	43154	3.573	ng	# 91
24) Pentachlorophenol	16.838	266	25503	4.002	ng	98
25) Phenanthrene	17.223	178	282285	3.294	ng	100
26) Anthracene	17.310	178	252456	3.453	ng	99
28) Fluoranthene	19.243	202	279719	3.387	ng	99
30) Pyrene	19.606	202	272924	3.326	ng	100
32) Benzo(a)anthracene	21.349	228	186737	3.357	ng	99
33) Chrysene	21.402	228	202547	3.085	ng	99
34) Bis(2-ethylhexyl)phtha...	21.286	149	97307	3.194	ng	99
36) Indeno(1,2,3-cd)pyrene	26.025	276	216471	3.393	ng	98
37) Benzo(b)fluoranthene	22.979	252	189788	3.354	ng	# 84
38) Benzo(k)fluoranthene	23.022	252	195835	3.329	ng	# 85
39) Benzo(a)pyrene	23.572	252	156001	3.289	ng	# 76
40) Dibenzo(a,h)anthracene	26.040	278	169926	3.518	ng	# 90
41) Benzo(g,h,i)perylene	26.738	276	186060	3.242	ng	97

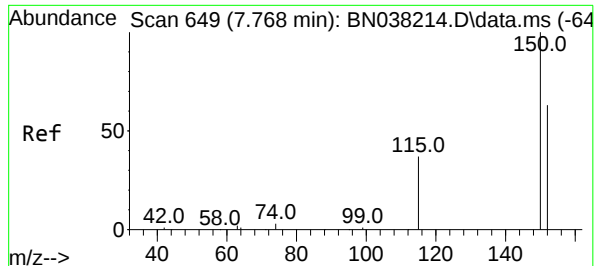
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN112725\
 Data File : BN038217.D
 Acq On : 26 Nov 2025 23:37
 Operator : RC/JU
 Sample : SSTDICC3.2
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 SSTDICC3.2

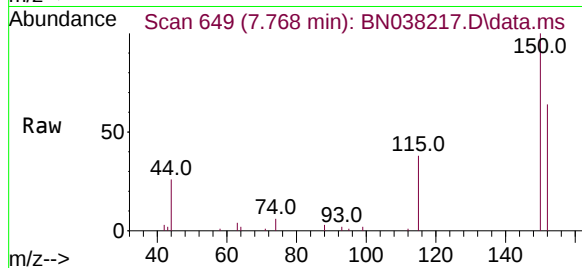
Quant Time: Nov 28 20:55:50 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN112725.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Nov 28 20:22:09 2025
 Response via : Initial Calibration



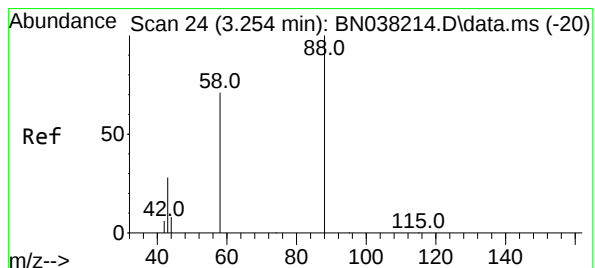
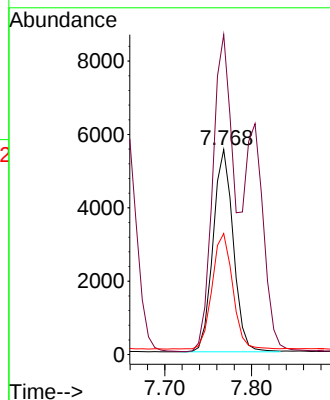
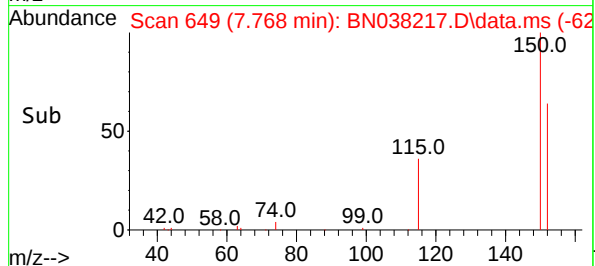


#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.768 min Scan# 64
Delta R.T. -0.000 min
Lab File: BN038217.D
Acq: 26 Nov 2025 23:37

Instrument :
BNA_N
ClientSampleId :
SSTDICC3.2

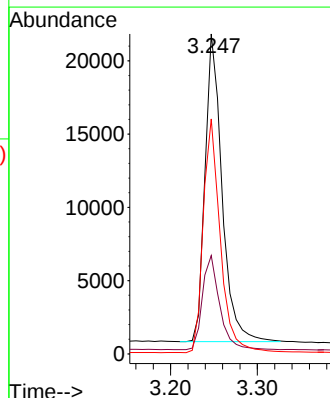
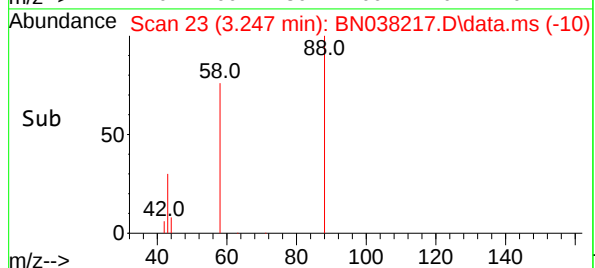
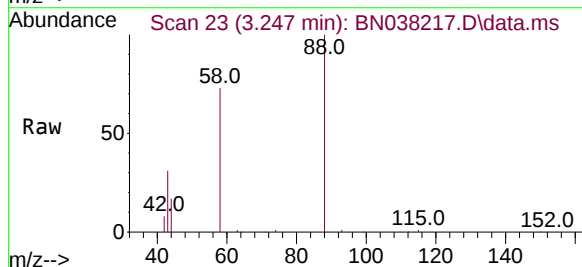


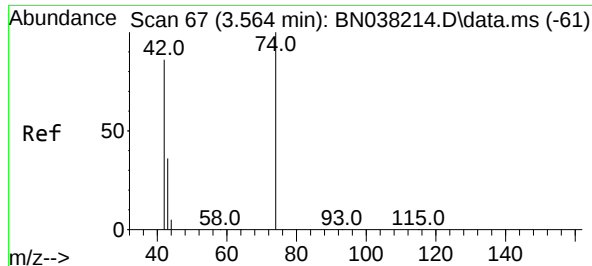
Tgt Ion:152 Resp: 8921
Ion Ratio Lower Upper
152 100
150 156.1 125.3 187.9
115 59.1 49.0 73.4



#2
1,4-Dioxane
Concen: 3.032 ng
RT: 3.247 min Scan# 23
Delta R.T. -0.007 min
Lab File: BN038217.D
Acq: 26 Nov 2025 23:37

Tgt Ion: 88 Resp: 28493
Ion Ratio Lower Upper
88 100
43 30.9 24.8 37.2
58 76.3 61.1 91.7

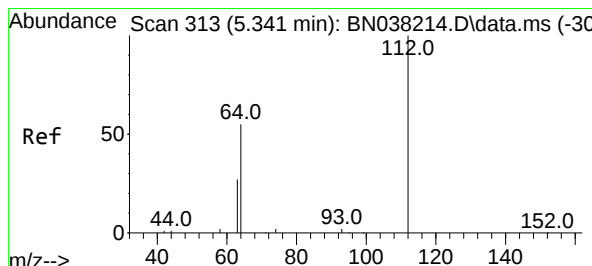
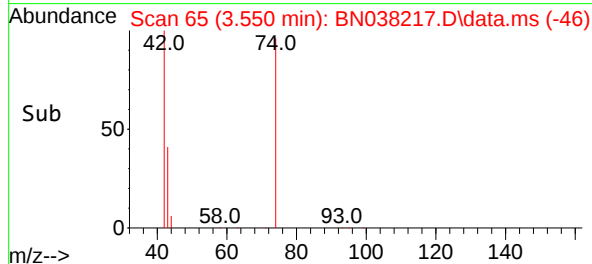
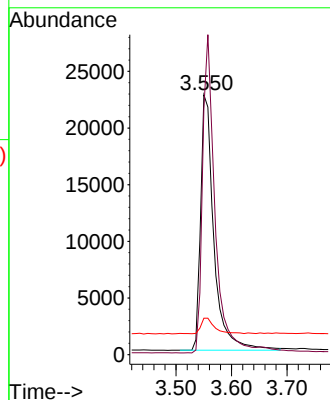
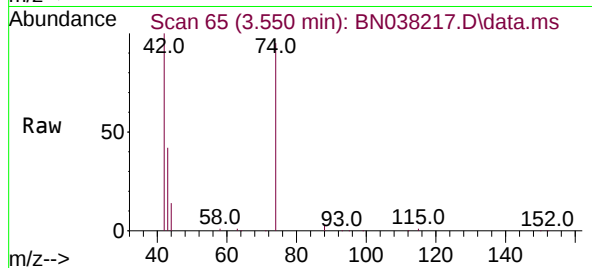




#3
n-Nitrosodimethylamine
Concen: 3.252 ng
RT: 3.550 min Scan# 61
Delta R.T. -0.014 min
Lab File: BN038217.D
Acq: 26 Nov 2025 23:37

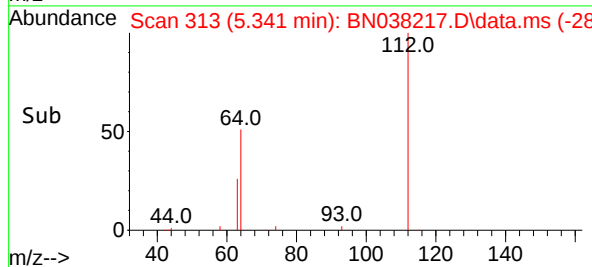
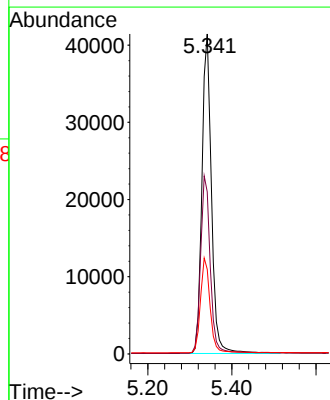
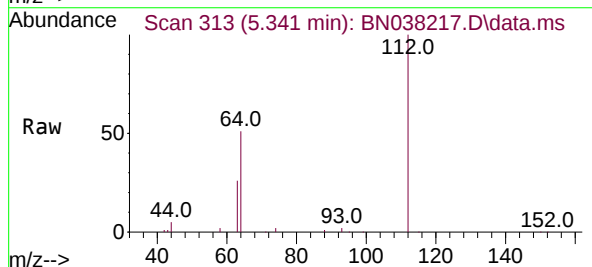
Instrument :
BNA_N
ClientSampleId :
SSTDICC3.2

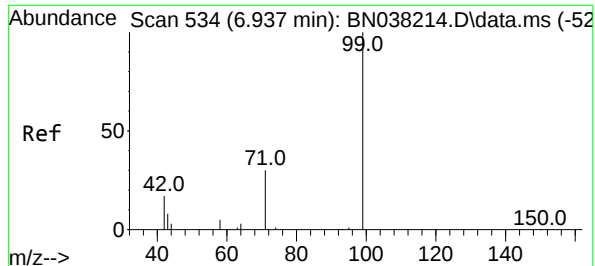
Tgt Ion: 42 Resp: 37688
Ion Ratio Lower Upper
42 100
74 116.3 96.2 144.2
44 6.3 8.0 12.0#



#4
2-Fluorophenol
Concen: 3.132 ng
RT: 5.341 min Scan# 313
Delta R.T. 0.000 min
Lab File: BN038217.D
Acq: 26 Nov 2025 23:37

Tgt Ion: 112 Resp: 65305
Ion Ratio Lower Upper
112 100
64 56.4 45.0 67.4
63 29.7 23.2 34.8

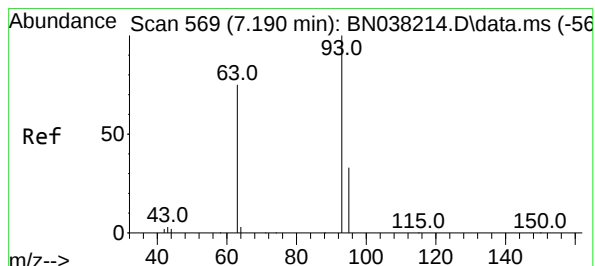
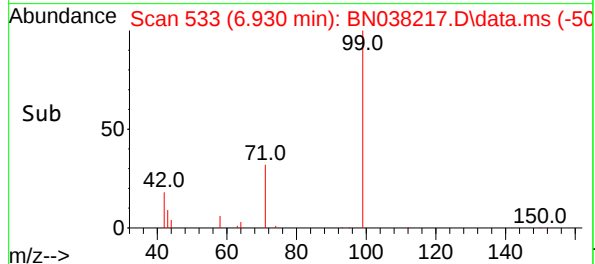
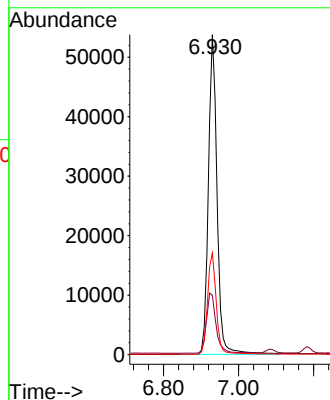
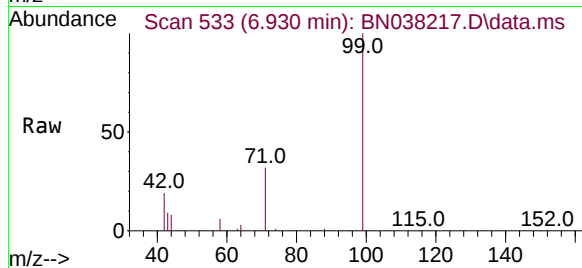




#5
Phenol-d6
Concen: 3.295 ng
RT: 6.930 min Scan# 534
Delta R.T. -0.007 min
Lab File: BN038217.D
Acq: 26 Nov 2025 23:37

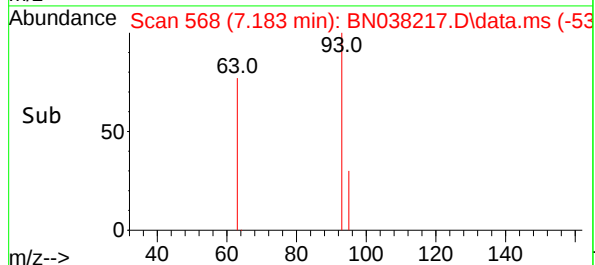
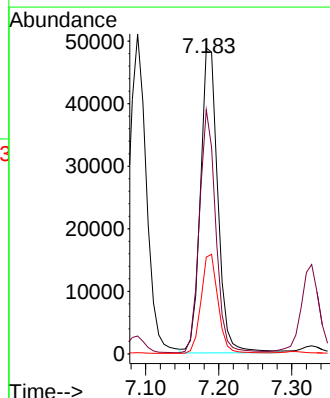
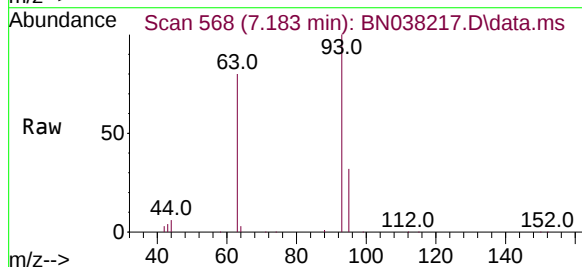
Instrument :
BNA_N
ClientSampleId :
SSTDICC3.2

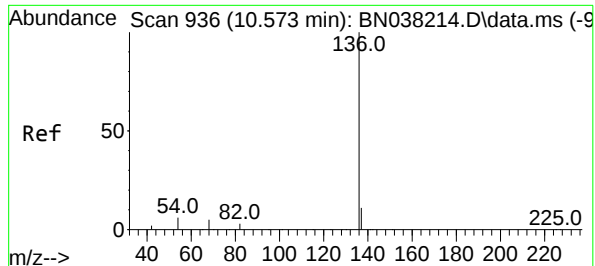
Tgt Ion: 99 Resp: 85830
Ion Ratio Lower Upper
99 100
42 21.0 17.0 25.6
71 32.2 25.4 38.2



#6
bis(2-Chloroethyl)ether
Concen: 3.232 ng
RT: 7.183 min Scan# 568
Delta R.T. -0.007 min
Lab File: BN038217.D
Acq: 26 Nov 2025 23:37

Tgt Ion: 93 Resp: 80616
Ion Ratio Lower Upper
93 100
63 74.8 58.1 87.1
95 31.8 25.1 37.7

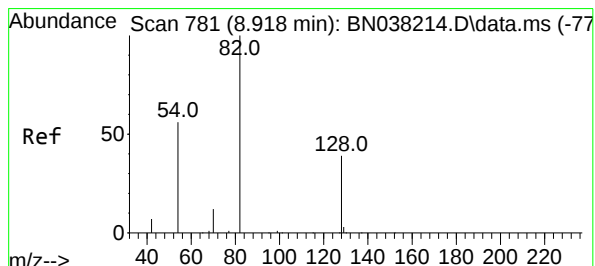
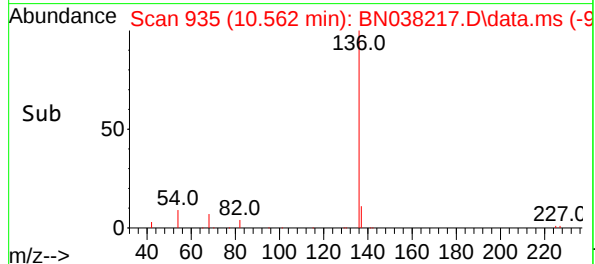
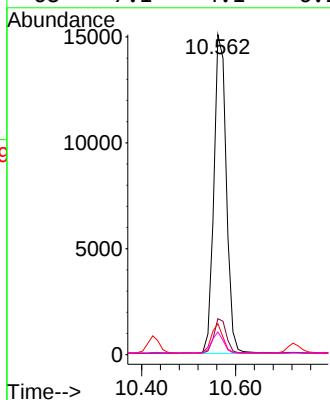
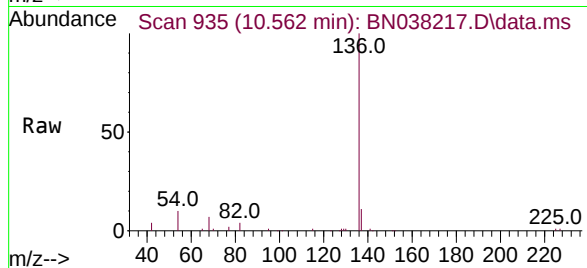




#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.562 min Scan# 936
Delta R.T. -0.010 min
Lab File: BN038217.D
Acq: 26 Nov 2025 23:37

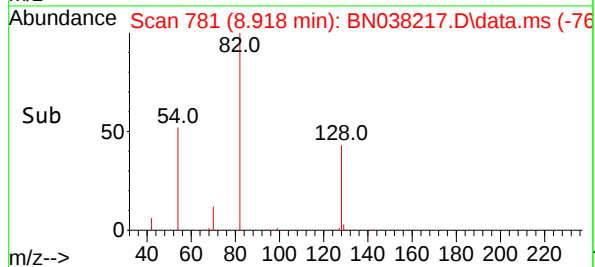
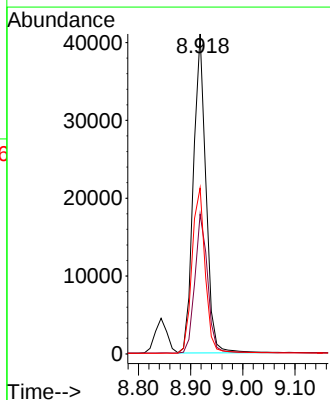
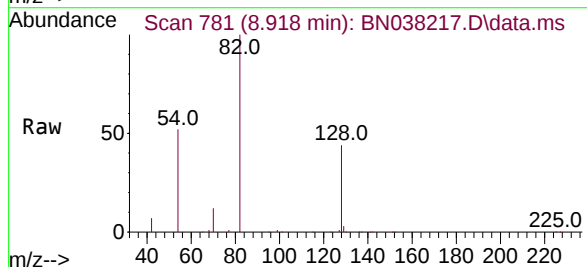
Instrument :
BNA_N
ClientSampleId :
SSTDICC3.2

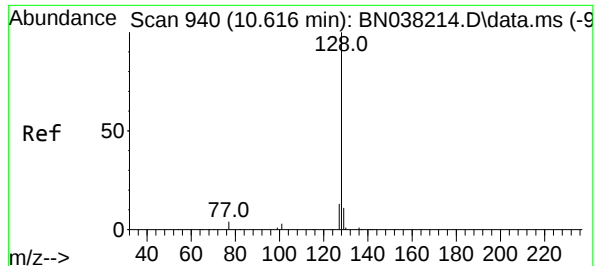
Tgt Ion	136	Resp	27682
Ion Ratio	Lower	Upper	
136	100		
137	11.2	8.9	13.3
54	9.7	5.4	8.0#
68	7.1	4.1	6.1#



#8
Nitrobenzene-d5
Concen: 3.088 ng
RT: 8.918 min Scan# 781
Delta R.T. 0.000 min
Lab File: BN038217.D
Acq: 26 Nov 2025 23:37

Tgt Ion	82	Resp	68353
Ion Ratio	Lower	Upper	
82	100		
128	43.7	32.6	48.8
54	51.9	45.4	68.0

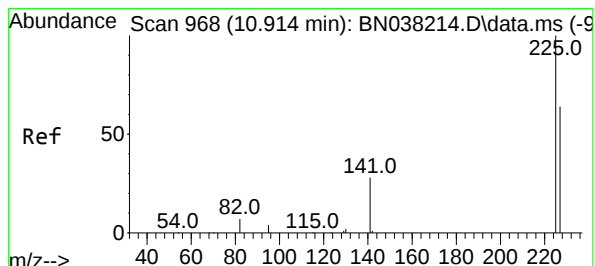
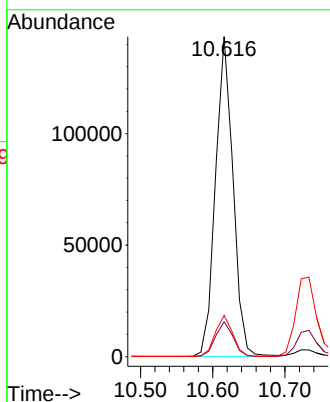
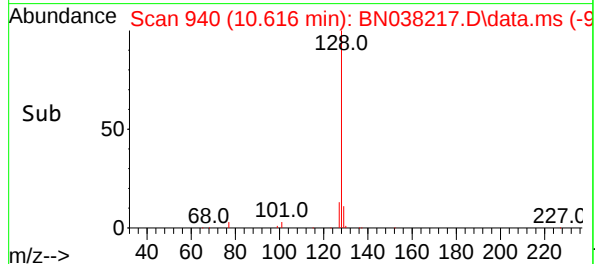
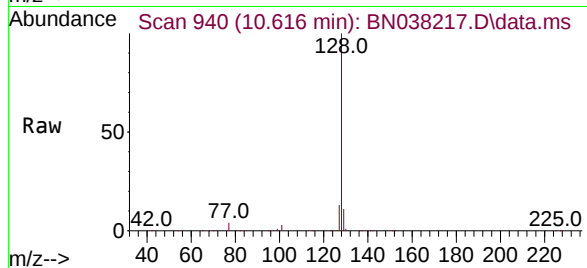




#9
Naphthalene
Concen: 3.149 ng
RT: 10.616 min Scan# 940
Delta R.T. 0.000 min
Lab File: BN038217.D
Acq: 26 Nov 2025 23:37

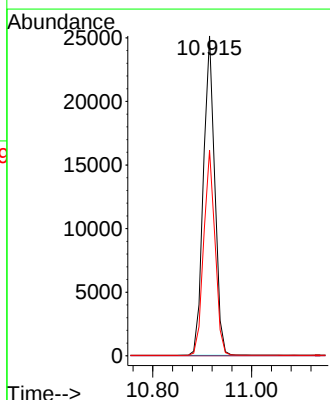
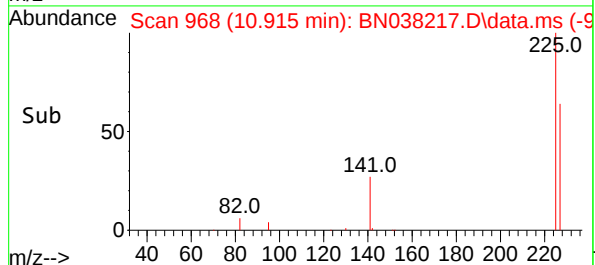
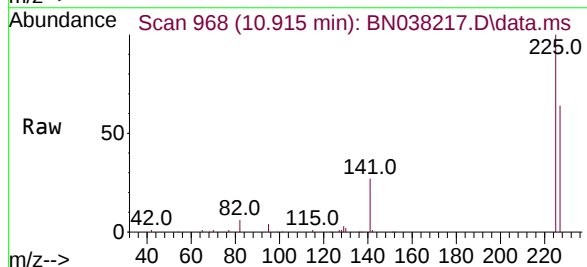
Instrument :
BNA_N
ClientSampleId :
SSTDICC3.2

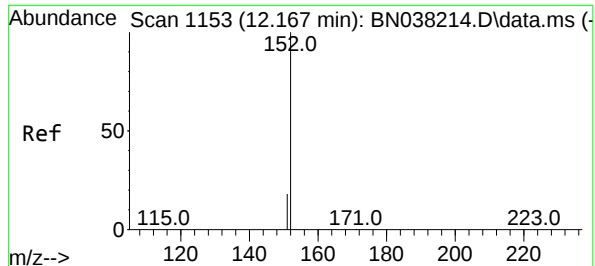
Tgt Ion:128 Resp: 242099
Ion Ratio Lower Upper
128 100
129 10.9 9.1 13.7
127 12.9 10.6 16.0



#10
Hexachlorobutadiene
Concen: 3.054 ng
RT: 10.915 min Scan# 968
Delta R.T. 0.000 min
Lab File: BN038217.D
Acq: 26 Nov 2025 23:37

Tgt Ion:225 Resp: 39924
Ion Ratio Lower Upper
225 100
223 0.0 0.0 0.0
227 64.2 50.5 75.7

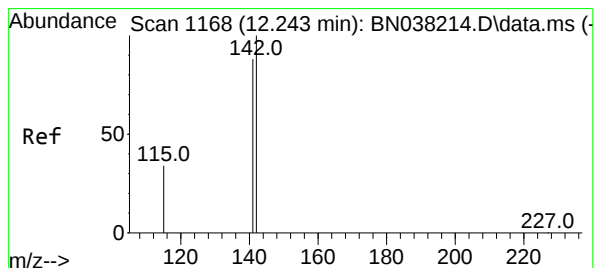
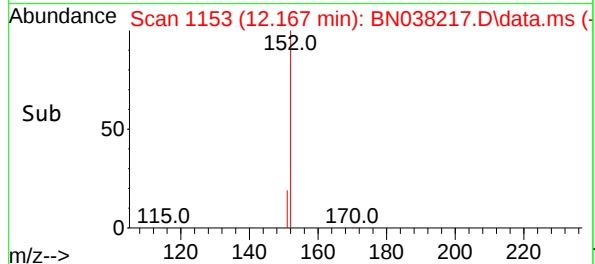
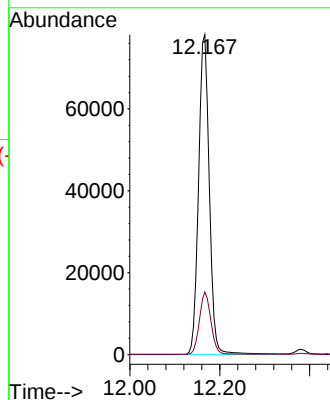
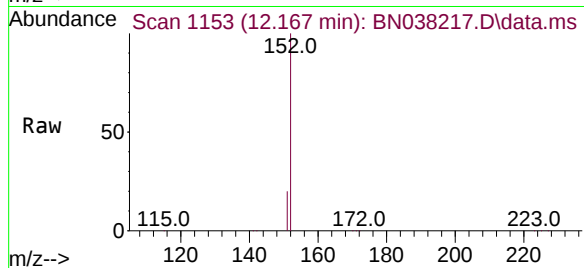




#11
2-Methylnaphthalene-d10
Concen: 3.288 ng
RT: 12.167 min Scan# 1153
Delta R.T. 0.000 min
Lab File: BN038217.D
Acq: 26 Nov 2025 23:37

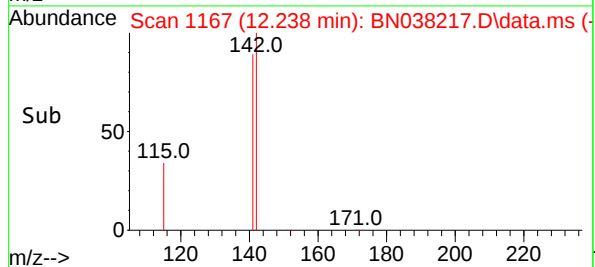
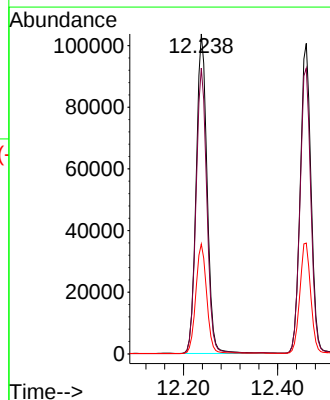
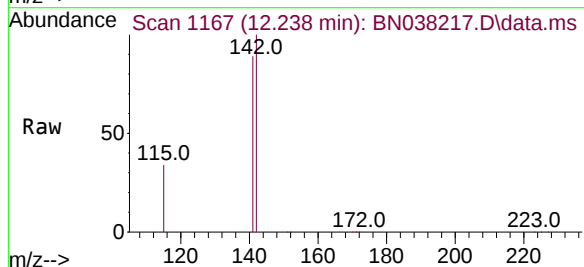
Instrument :
BNA_N
ClientSampleId :
SSTDICC3.2

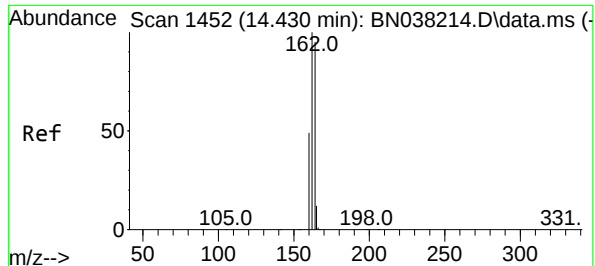
Tgt Ion:152 Resp: 129220
Ion Ratio Lower Upper
152 100
151 20.9 16.7 25.1



#12
2-Methylnaphthalene
Concen: 3.282 ng
RT: 12.238 min Scan# 1167
Delta R.T. -0.005 min
Lab File: BN038217.D
Acq: 26 Nov 2025 23:37

Tgt Ion:142 Resp: 166016
Ion Ratio Lower Upper
142 100
141 89.3 70.9 106.3
115 34.3 27.7 41.5

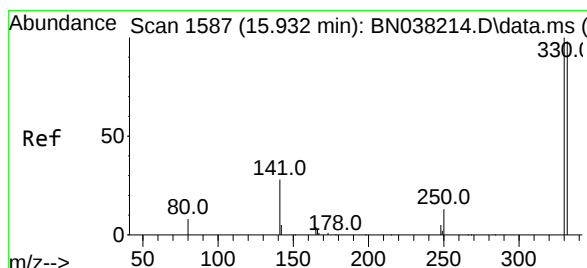
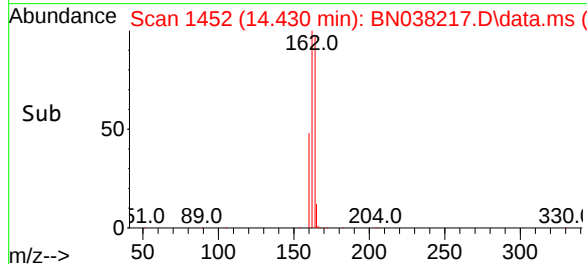
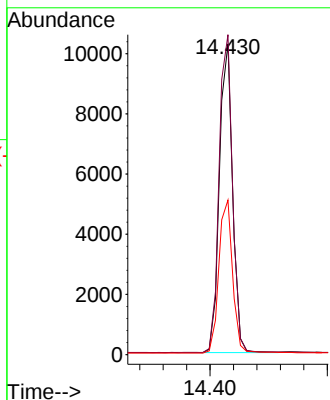
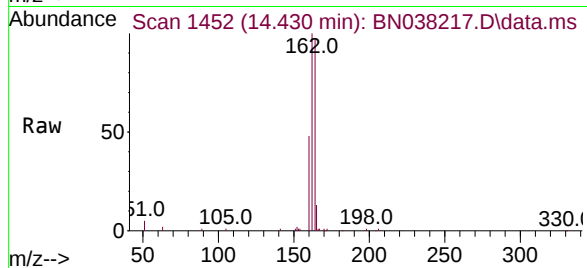




#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.430 min Scan# 1452
Delta R.T. 0.000 min
Lab File: BN038217.D
Acq: 26 Nov 2025 23:37

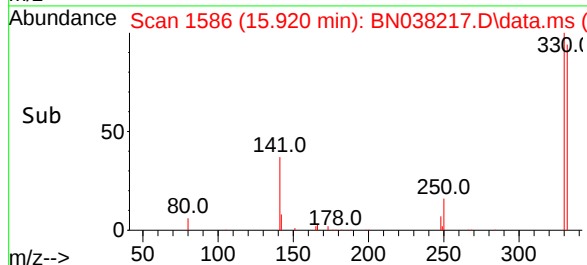
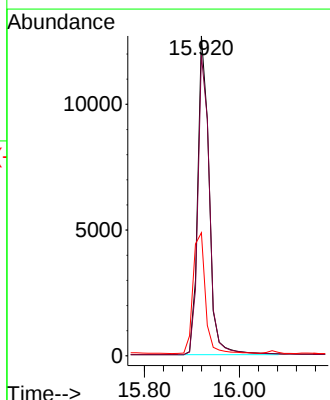
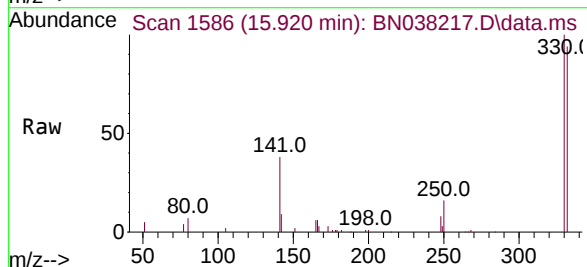
Instrument :
BNA_N
ClientSampleId :
SSTDICC3.2

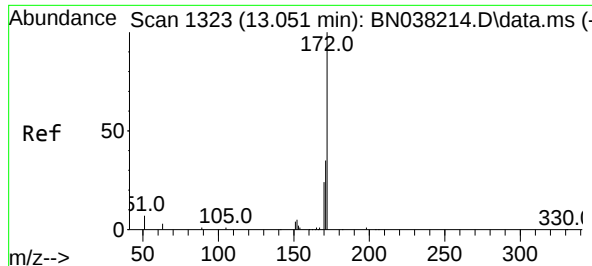
Tgt Ion	164	162	160
Resp:	16051	103.0	49.7
Lower		83.8	41.6
Upper		125.8	62.4



#14
2,4,6-Tribromophenol
Concen: 4.188 ng
RT: 15.920 min Scan# 1586
Delta R.T. -0.012 min
Lab File: BN038217.D
Acq: 26 Nov 2025 23:37

Tgt Ion	330	332	141
Resp:	21150	96.2	41.0
Lower		77.8	33.0
Upper		116.6	49.4

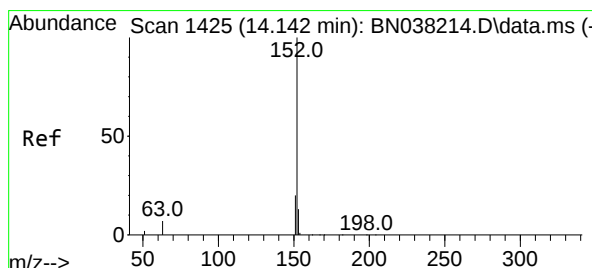
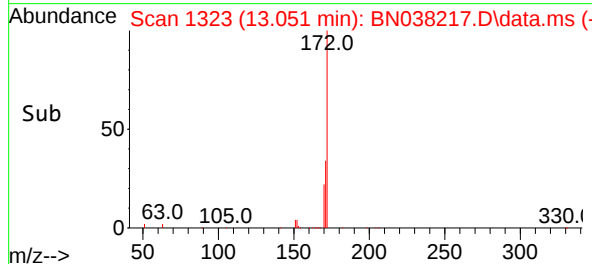
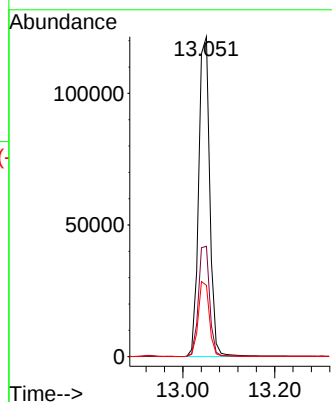
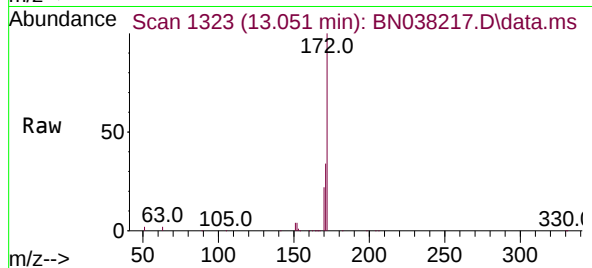




#15
2-Fluorobiphenyl
Concen: 3.053 ng
RT: 13.051 min Scan# 1323
Delta R.T. 0.000 min
Lab File: BN038217.D
Acq: 26 Nov 2025 23:37

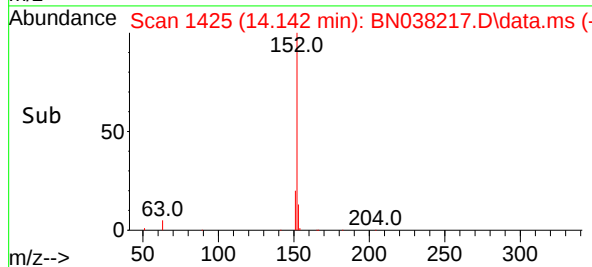
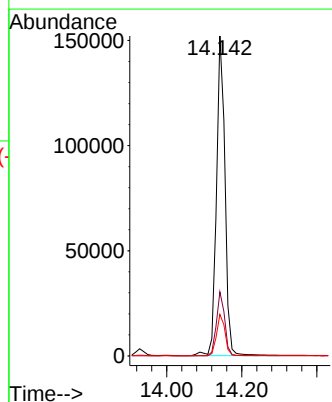
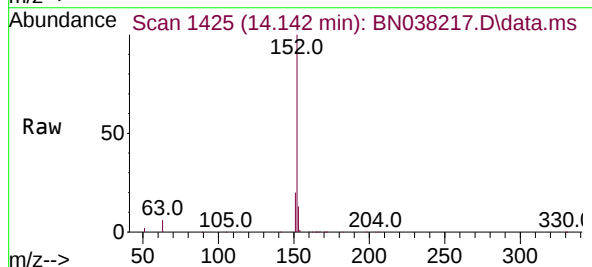
Instrument :
BNA_N
ClientSampleId :
SSTDICC3.2

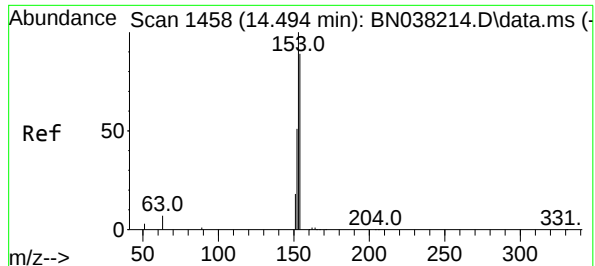
Tgt Ion:172 Resp: 189268
Ion Ratio Lower Upper
172 100
171 34.5 28.1 42.1
170 22.3 19.1 28.7



#16
Acenaphthylene
Concen: 3.339 ng
RT: 14.142 min Scan# 1425
Delta R.T. 0.000 min
Lab File: BN038217.D
Acq: 26 Nov 2025 23:37

Tgt Ion:152 Resp: 239664
Ion Ratio Lower Upper
152 100
151 19.4 15.6 23.4
153 13.0 10.6 15.8

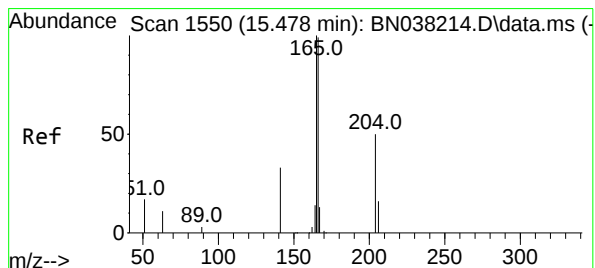
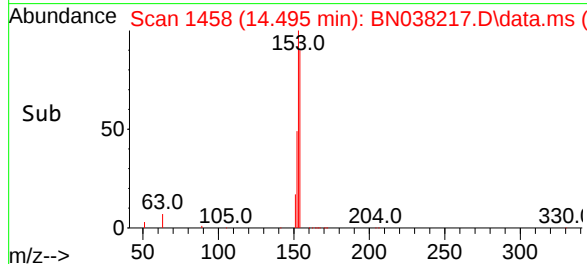
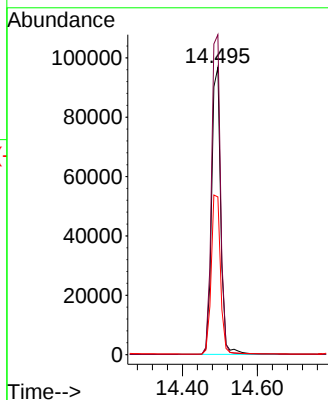
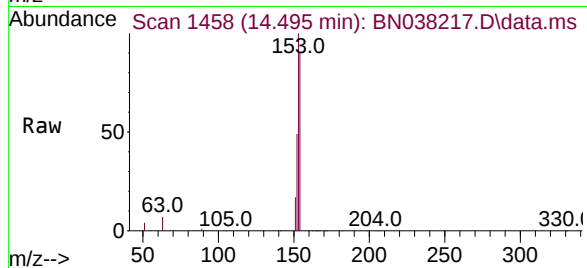




#17
Acenaphthene
Concen: 3.240 ng
RT: 14.495 min Scan# 1458
Delta R.T. 0.000 min
Lab File: BN038217.D
Acq: 26 Nov 2025 23:37

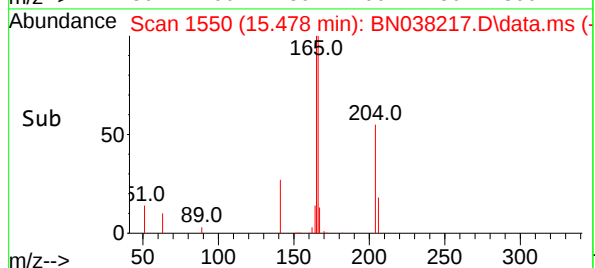
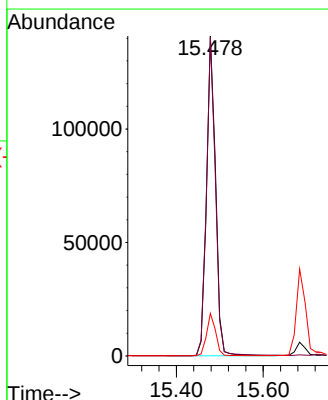
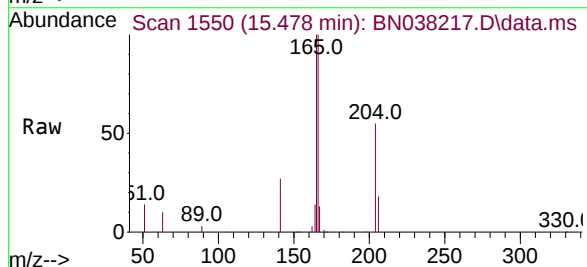
Instrument :
BNA_N
ClientSampleId :
SSTDICC3.2

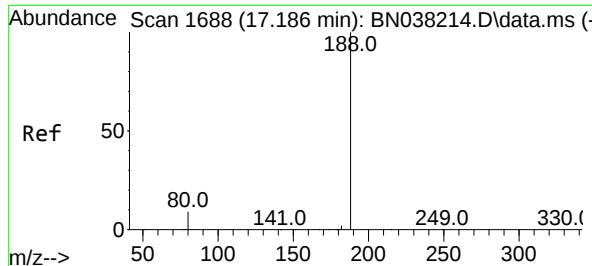
Tgt Ion:154 Resp: 162095
Ion Ratio Lower Upper
154 100
153 111.5 91.1 136.7
152 56.7 48.2 72.2



#18
Fluorene
Concen: 3.387 ng
RT: 15.478 min Scan# 1550
Delta R.T. 0.000 min
Lab File: BN038217.D
Acq: 26 Nov 2025 23:37

Tgt Ion:166 Resp: 219348
Ion Ratio Lower Upper
166 100
165 98.9 78.7 118.1
167 13.2 10.9 16.3





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 17.174 min Scan# 1688

Delta R.T. -0.012 min

Lab File: BN038217.D

Acq: 26 Nov 2025 23:37

Instrument :

BNA_N

ClientSampleId :

SSTDICC3.2

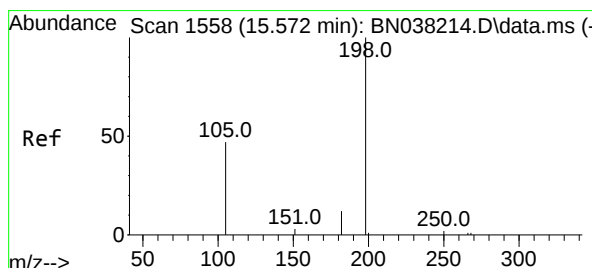
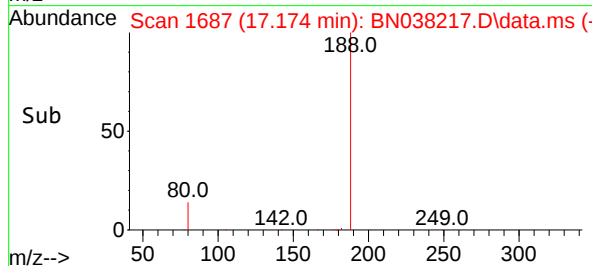
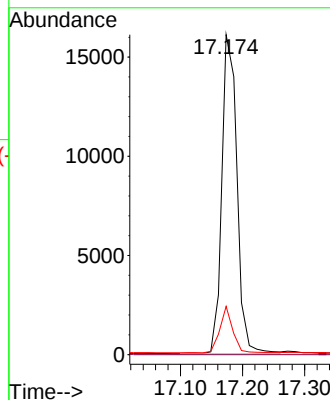
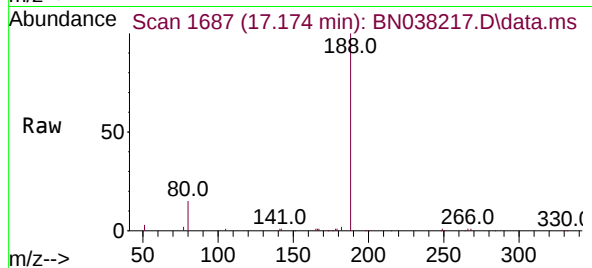
Tgt Ion:188 Resp: 27295

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

80 15.1 7.7 11.5#



#20

4,6-Dinitro-2-methylphenol

Concen: 3.198 ng

RT: 15.560 min Scan# 1557

Delta R.T. -0.012 min

Lab File: BN038217.D

Acq: 26 Nov 2025 23:37

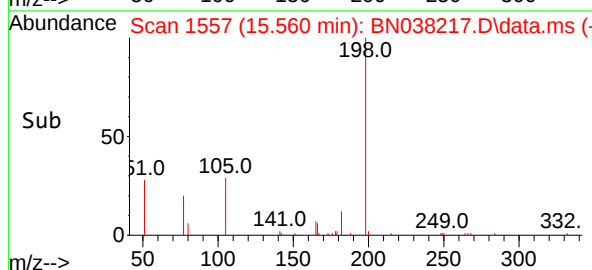
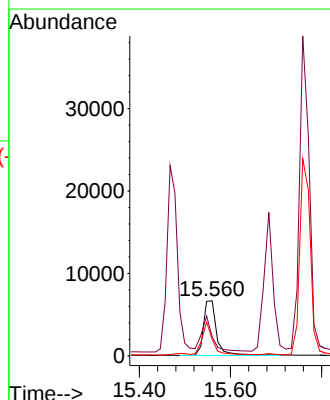
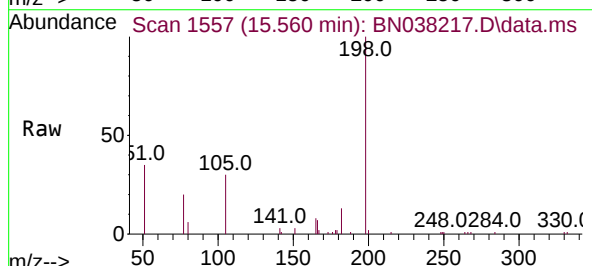
Tgt Ion:198 Resp: 12986

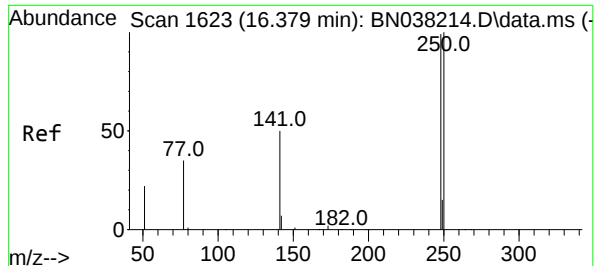
Ion Ratio Lower Upper

198 100

51 34.6 205.1 307.7#

105 30.5 61.6 92.4#

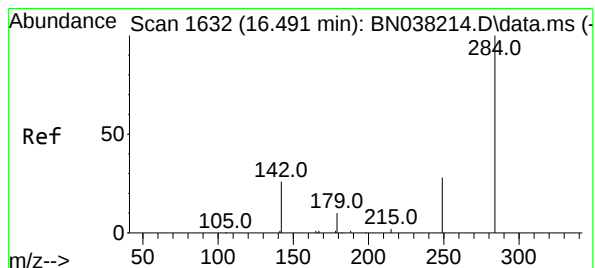
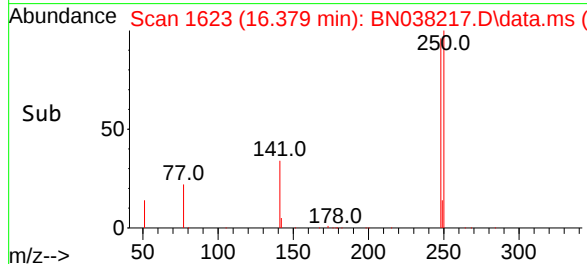
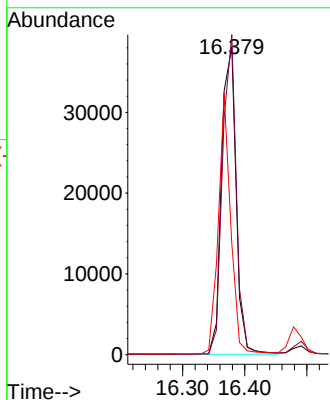
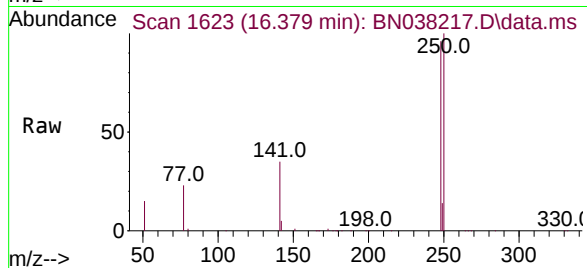




#21
4-Bromophenyl-phenylether
Concen: 3.283 ng
RT: 16.379 min Scan# 1623
Delta R.T. 0.000 min
Lab File: BN038217.D
Acq: 26 Nov 2025 23:37

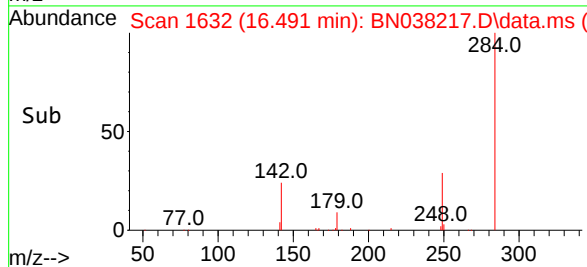
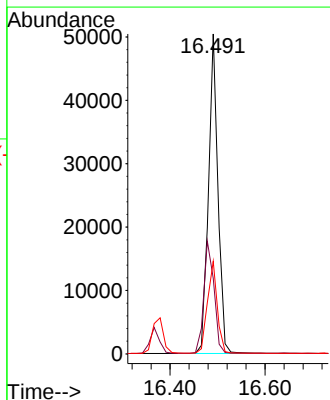
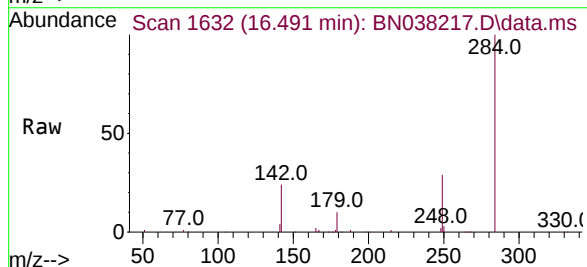
Instrument :
BNA_N
ClientSampleId :
SSTDICC3.2

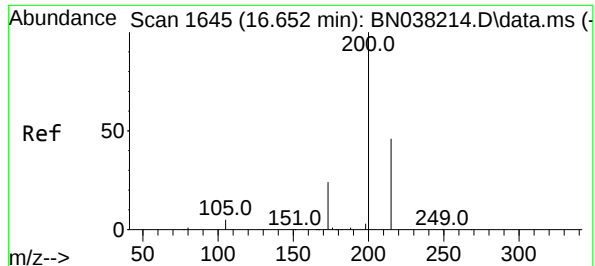
Tgt Ion	248	250	141
Resp:	62082		
Ion Ratio	100	104.2	36.1
Lower		80.8	41.0
Upper		121.2	61.6



#22
Hexachlorobenzene
Concen: 3.000 ng
RT: 16.491 min Scan# 1632
Delta R.T. 0.000 min
Lab File: BN038217.D
Acq: 26 Nov 2025 23:37

Tgt Ion	284	142	249
Resp:	69759		
Ion Ratio	100	37.8	29.9
Lower		30.5	23.8
Upper		45.7	35.8

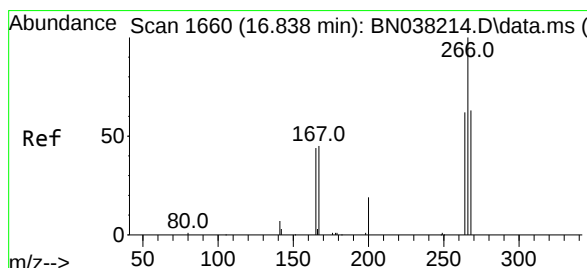
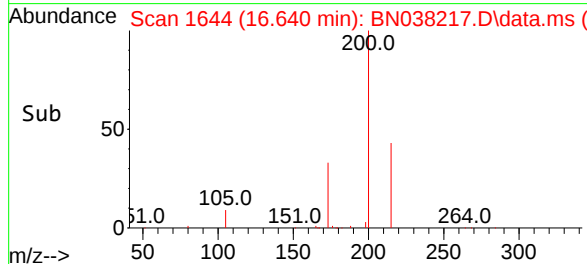
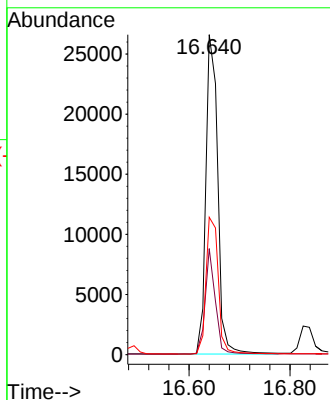
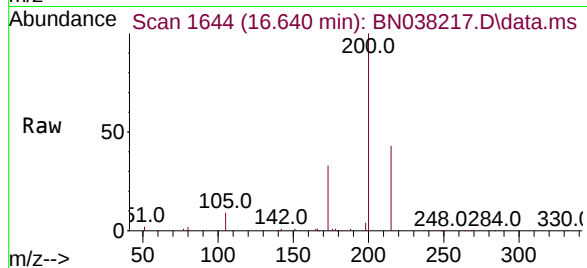




#23
Atrazine
Concen: 3.573 ng
RT: 16.640 min Scan# 1644
Delta R.T. -0.012 min
Lab File: BN038217.D
Acq: 26 Nov 2025 23:37

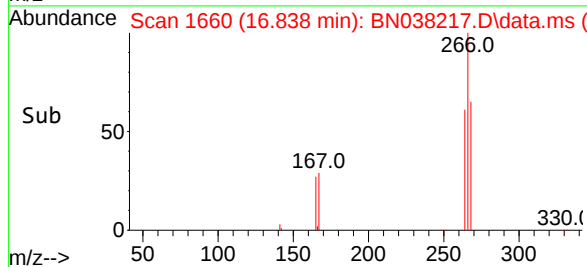
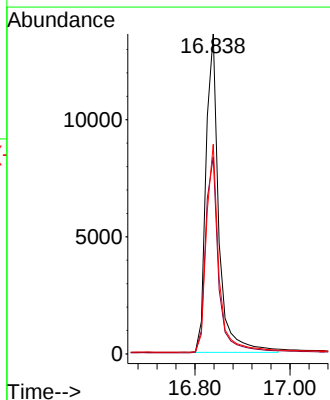
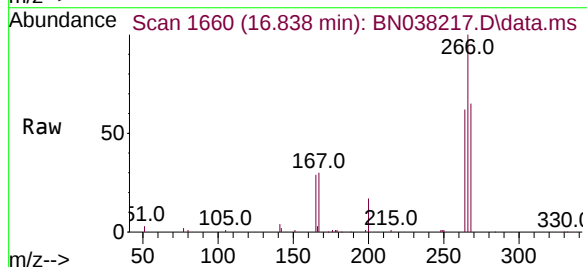
Instrument :
BNA_N
ClientSampleId :
SSTDICC3.2

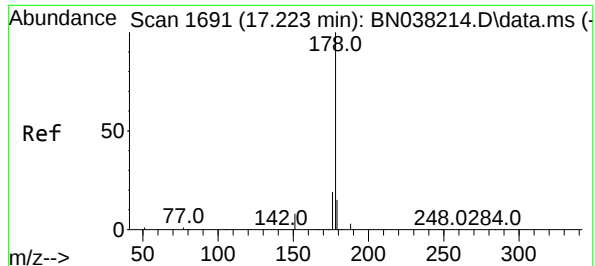
Tgt Ion:200 Resp: 43154
Ion Ratio Lower Upper
200 100
173 33.1 21.0 31.6#
215 42.9 37.8 56.8



#24
Pentachlorophenol
Concen: 4.002 ng
RT: 16.838 min Scan# 1660
Delta R.T. 0.000 min
Lab File: BN038217.D
Acq: 26 Nov 2025 23:37

Tgt Ion:266 Resp: 25503
Ion Ratio Lower Upper
266 100
264 62.5 48.9 73.3
268 63.8 50.2 75.2

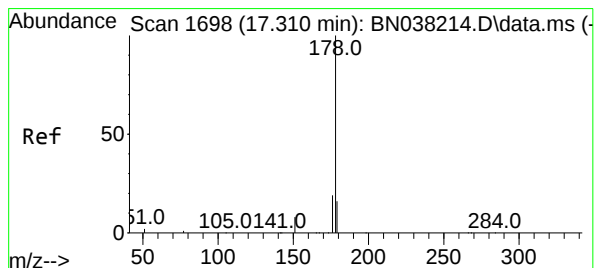
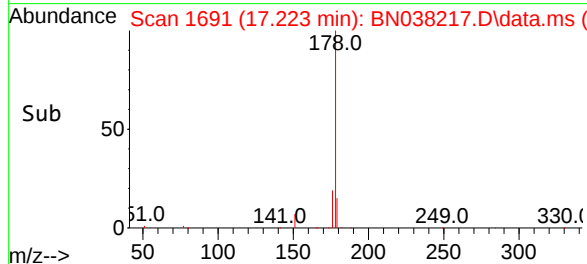
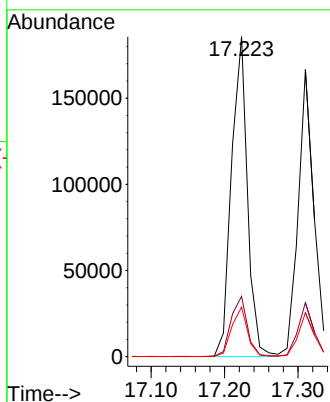
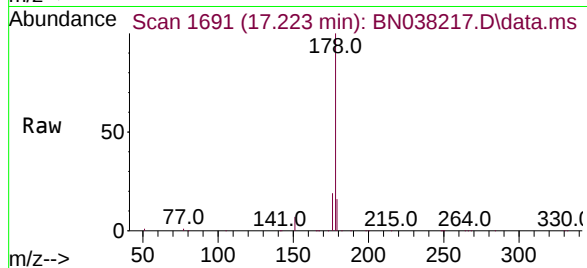




#25
Phenanthrene
Concen: 3.294 ng
RT: 17.223 min Scan# 1691
Delta R.T. 0.000 min
Lab File: BN038217.D
Acq: 26 Nov 2025 23:37

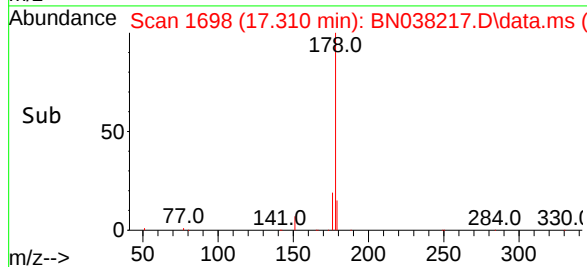
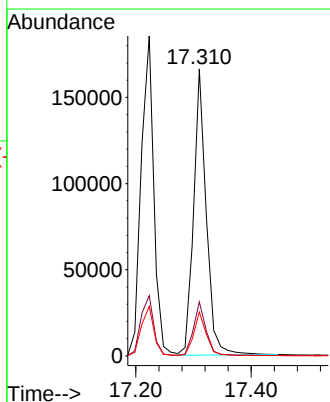
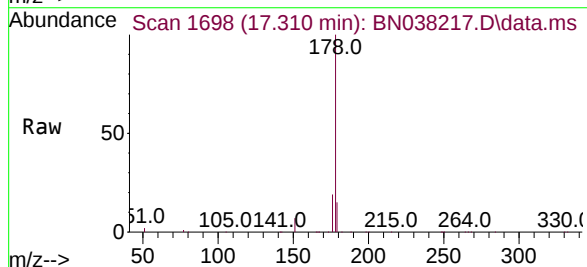
Instrument :
BNA_N
ClientSampleId :
SSTDICC3.2

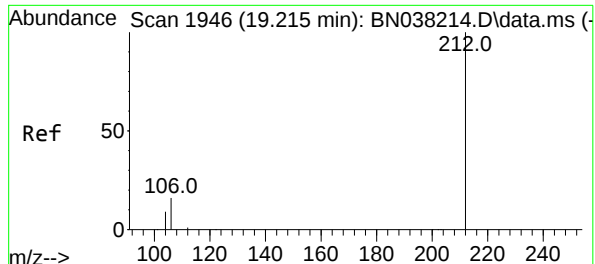
Tgt Ion:178 Resp: 282285
Ion Ratio Lower Upper
178 100
176 19.2 15.3 22.9
179 15.3 12.0 18.0



#26
Anthracene
Concen: 3.453 ng
RT: 17.310 min Scan# 1698
Delta R.T. 0.000 min
Lab File: BN038217.D
Acq: 26 Nov 2025 23:37

Tgt Ion:178 Resp: 252456
Ion Ratio Lower Upper
178 100
176 18.7 14.7 22.1
179 15.2 12.3 18.5





#27

Fluoranthene-d10

Concen: 3.340 ng

RT: 19.215 min Scan# 1946

Delta R.T. 0.000 min

Lab File: BN038217.D

Acq: 26 Nov 2025 23:37

Instrument :

BNA_N

ClientSampleId :

SSTDICC3.2

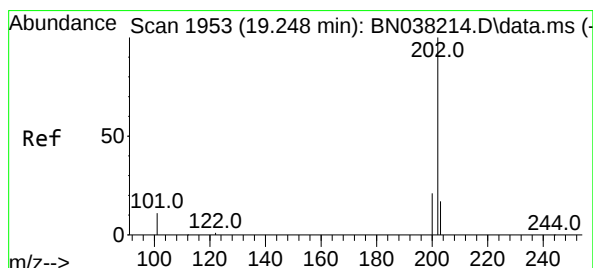
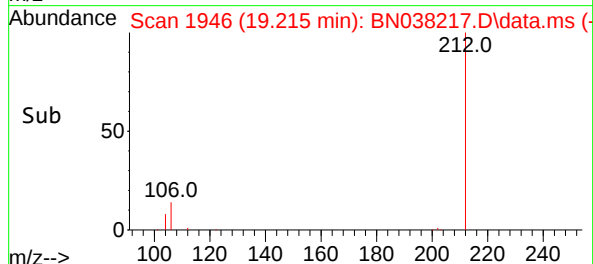
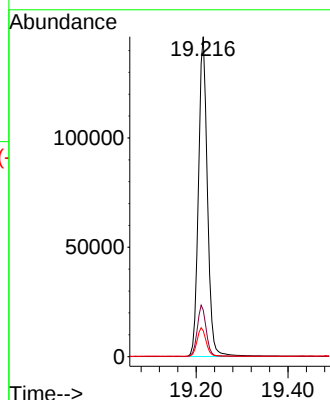
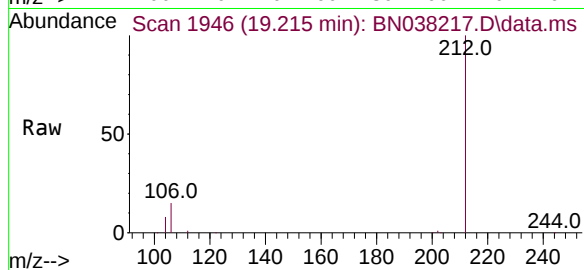
Tgt Ion:212 Resp: 197760

Ion Ratio Lower Upper

212 100

106 16.0 12.7 19.1

104 9.0 7.3 10.9



#28

Fluoranthene

Concen: 3.387 ng

RT: 19.243 min Scan# 1952

Delta R.T. -0.004 min

Lab File: BN038217.D

Acq: 26 Nov 2025 23:37

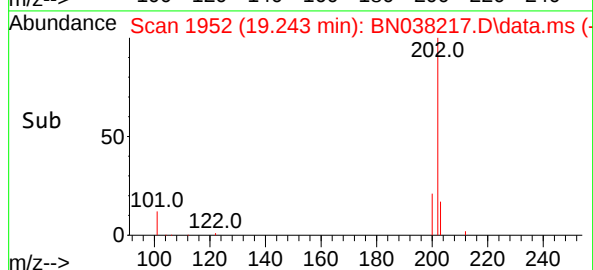
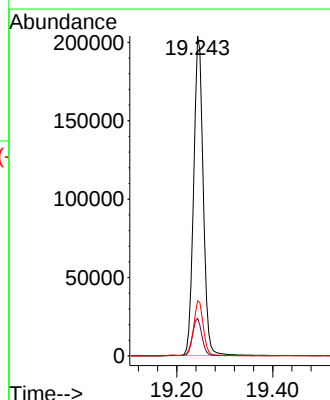
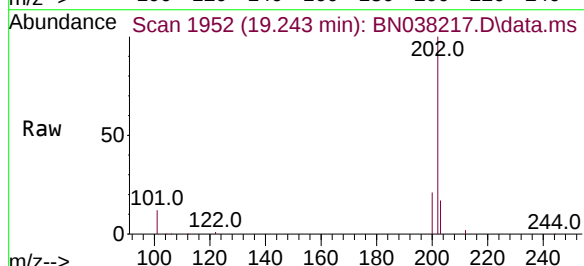
Tgt Ion:202 Resp: 279719

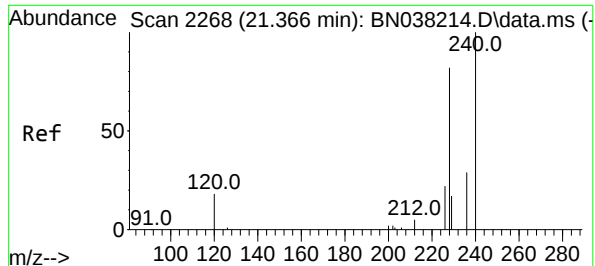
Ion Ratio Lower Upper

202 100

101 11.9 9.8 14.6

203 17.3 13.6 20.4





#29

Chrysene-d12

Concen: 0.400 ng

RT: 21.367 min Scan# 21

Delta R.T. 0.000 min

Lab File: BN038217.D

Acq: 26 Nov 2025 23:37

Instrument :

BNA_N

ClientSampleId :

SSTDICC3.2

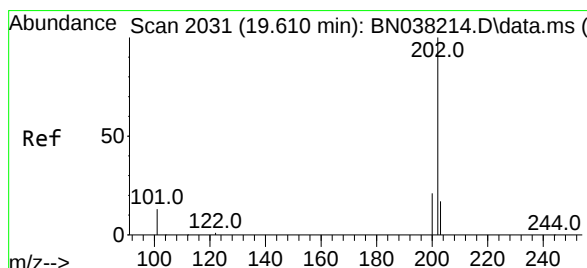
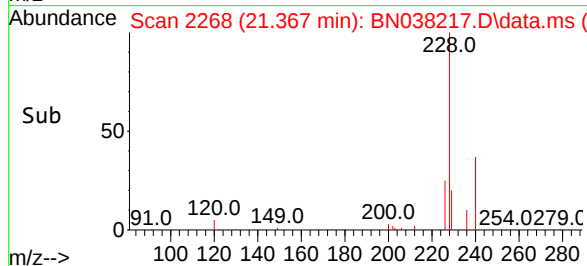
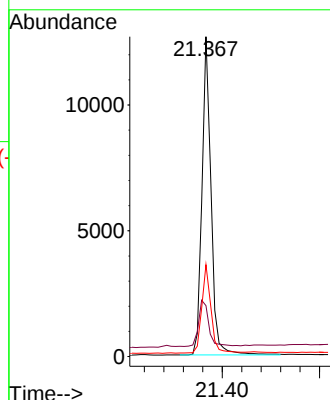
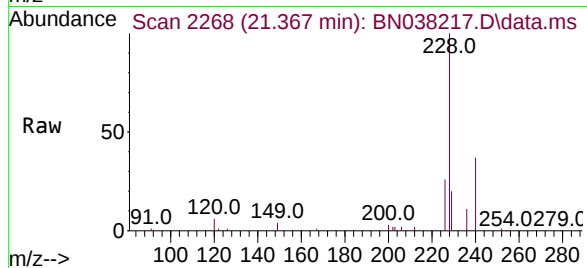
Tgt Ion:240 Resp: 16427

Ion Ratio Lower Upper

240 100

120 15.9 18.1 27.1#

236 28.7 24.2 36.4



#30

Pyrene

Concen: 3.326 ng

RT: 19.606 min Scan# 2030

Delta R.T. -0.004 min

Lab File: BN038217.D

Acq: 26 Nov 2025 23:37

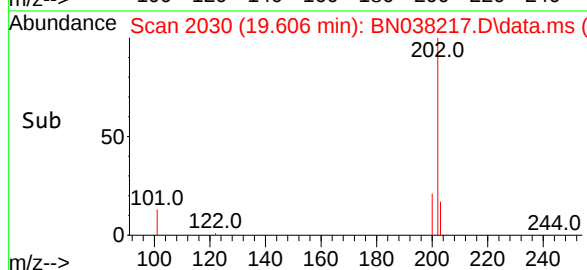
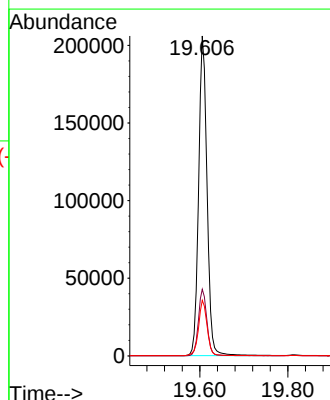
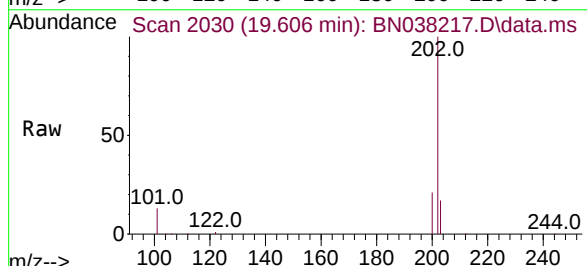
Tgt Ion:202 Resp: 272924

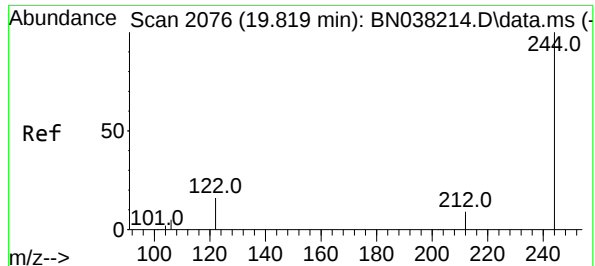
Ion Ratio Lower Upper

202 100

200 21.0 16.8 25.2

203 17.8 14.4 21.6

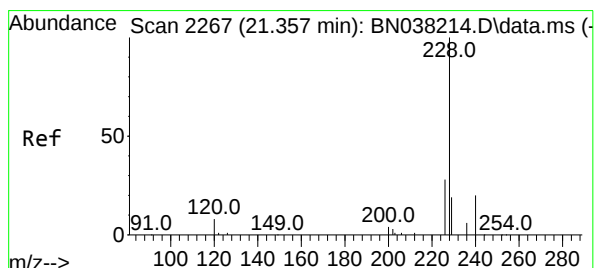
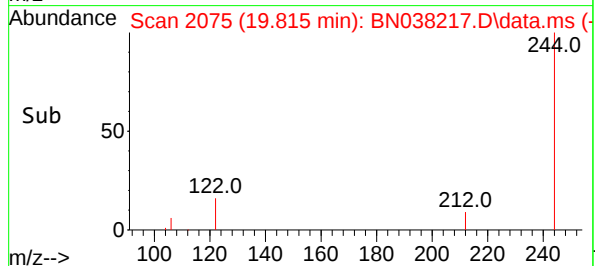
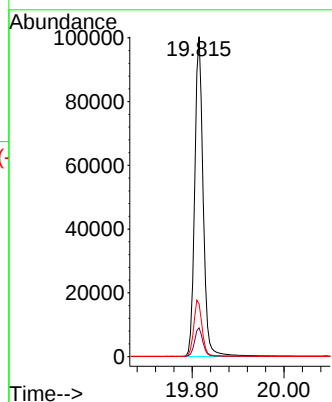
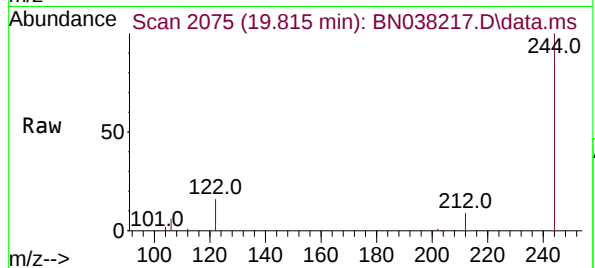




#31
Terphenyl-d14
Concen: 3.368 ng
RT: 19.815 min Scan# 2076
Delta R.T. -0.004 min
Lab File: BN038217.D
Acq: 26 Nov 2025 23:37

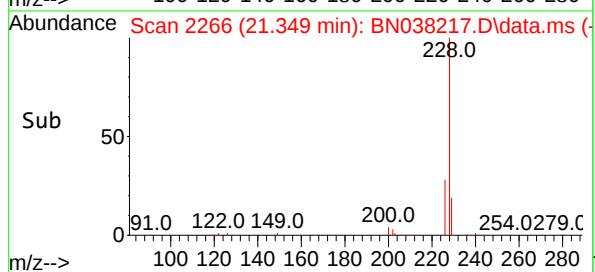
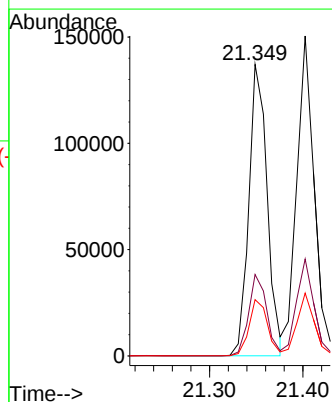
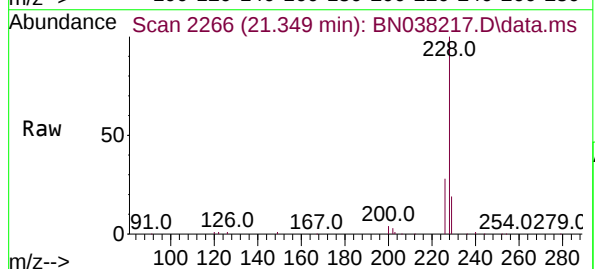
Instrument :
BNA_N
ClientSampleId :
SSTDICC3.2

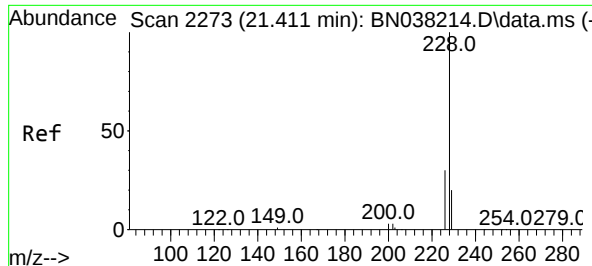
Tgt Ion:244 Resp: 127791
Ion Ratio Lower Upper
244 100
212 9.0 7.7 11.5
122 16.5 13.6 20.4



#32
Benzo(a)anthracene
Concen: 3.357 ng
RT: 21.349 min Scan# 2266
Delta R.T. -0.009 min
Lab File: BN038217.D
Acq: 26 Nov 2025 23:37

Tgt Ion:228 Resp: 186737
Ion Ratio Lower Upper
228 100
226 27.9 22.6 33.8
229 19.3 15.8 23.8





#33

Chrysene

Concen: 3.085 ng

RT: 21.402 min Scan# 21

Delta R.T. -0.009 min

Lab File: BN038217.D

Acq: 26 Nov 2025 23:37

Instrument :

BNA_N

ClientSampleId :

SSTDICC3.2

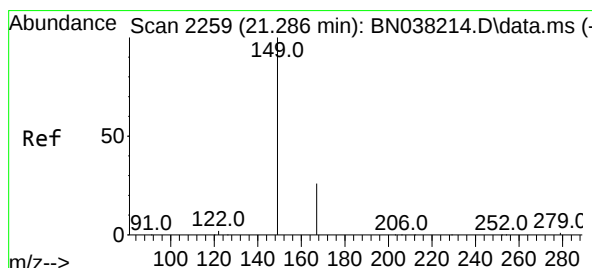
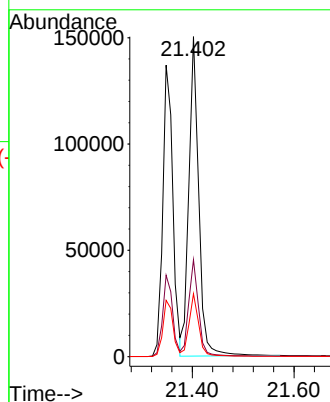
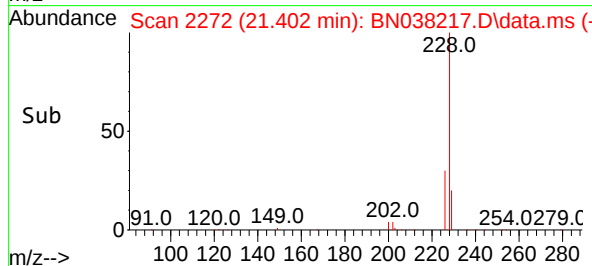
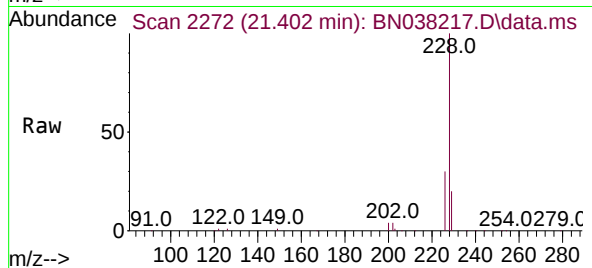
Tgt Ion:228 Resp: 202547

Ion Ratio Lower Upper

228 100

226 30.3 23.8 35.8

229 19.6 16.1 24.1



#34

Bis(2-ethylhexyl)phthalate

Concen: 3.194 ng

RT: 21.286 min Scan# 2259

Delta R.T. 0.000 min

Lab File: BN038217.D

Acq: 26 Nov 2025 23:37

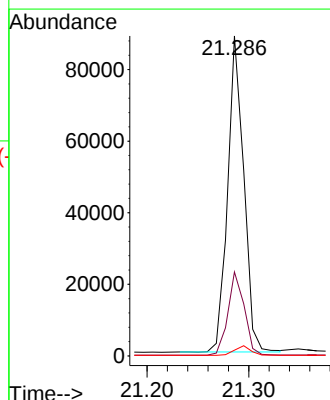
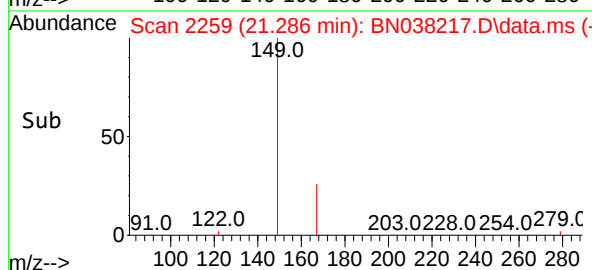
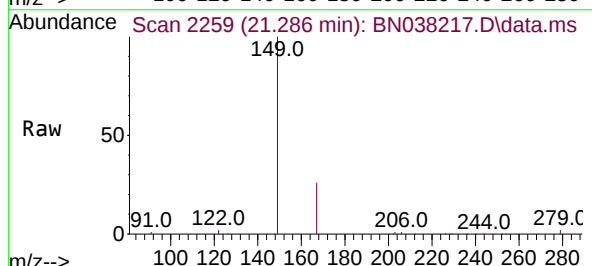
Tgt Ion:149 Resp: 97307

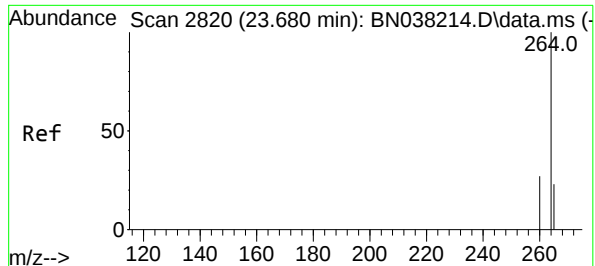
Ion Ratio Lower Upper

149 100

167 26.6 20.7 31.1

279 3.1 2.5 3.7





#35

Perylene-d12

Concen: 0.400 ng

RT: 23.674 min Scan# 2818

Delta R.T. -0.006 min

Lab File: BN038217.D

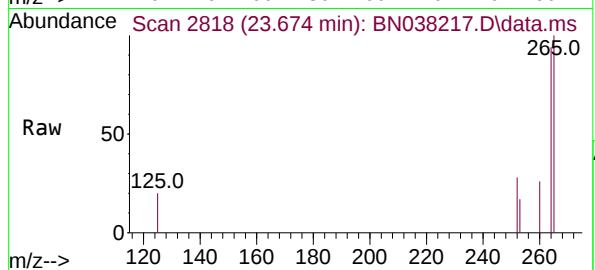
Acq: 26 Nov 2025 23:37

Instrument :

BNA_N

ClientSampleId :

SSTDICC3.2



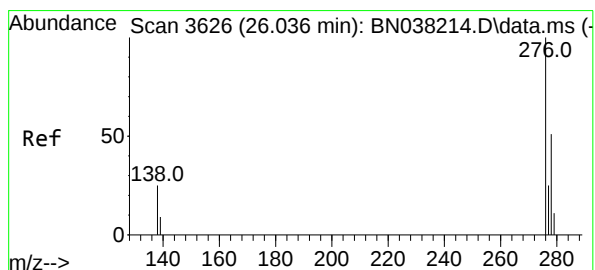
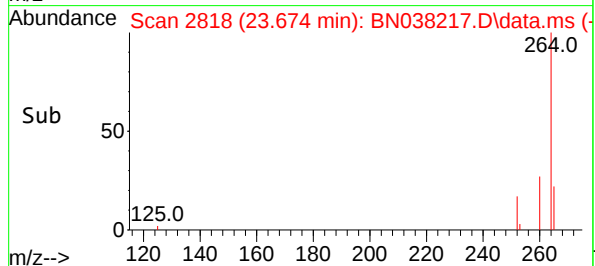
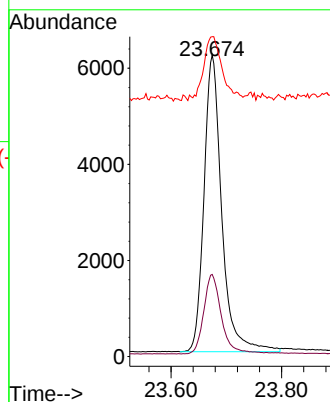
Tgt Ion:264 Resp: 13786

Ion Ratio Lower Upper

264 100

260 27.3 21.7 32.5

265 106.2 98.0 147.0



#36

Indeno(1,2,3-cd)pyrene

Concen: 3.393 ng

RT: 26.025 min Scan# 3622

Delta R.T. -0.011 min

Lab File: BN038217.D

Acq: 26 Nov 2025 23:37

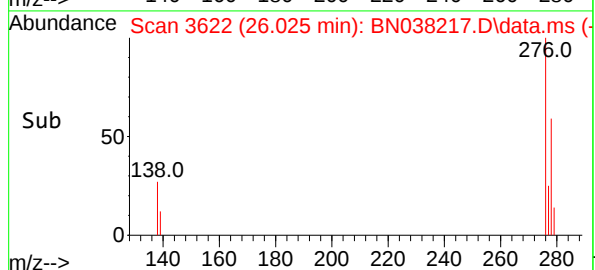
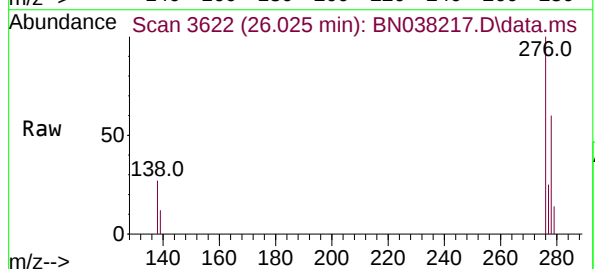
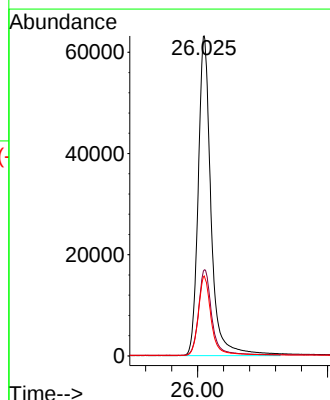
Tgt Ion:276 Resp: 216471

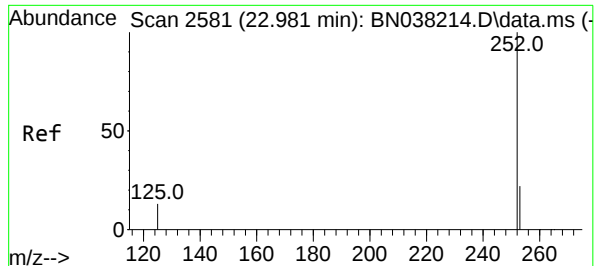
Ion Ratio Lower Upper

276 100

138 27.7 21.4 32.2

277 24.8 19.1 28.7





#37

Benzo(b)fluoranthene

Concen: 3.354 ng

RT: 22.979 min Scan# 2580

Delta R.T. -0.003 min

Lab File: BN038217.D

Acq: 26 Nov 2025 23:37

Instrument :

BNA_N

ClientSampleId :

SSTDICC3.2

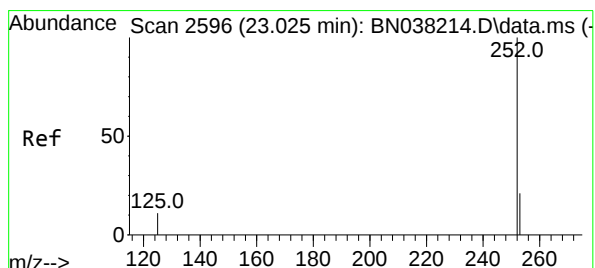
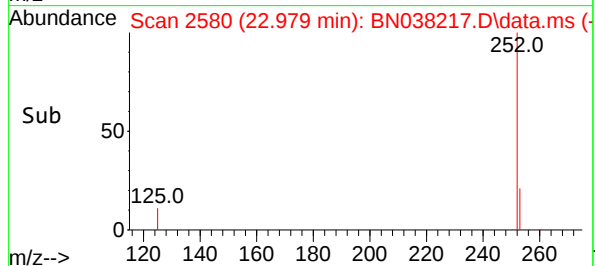
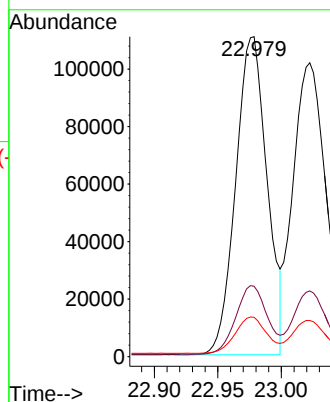
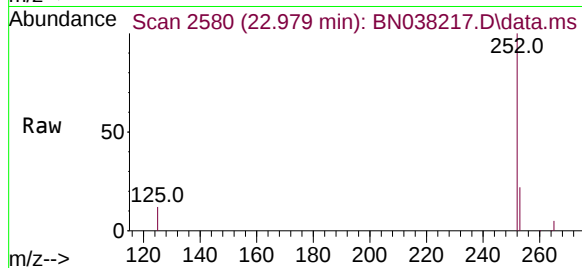
Tgt Ion:252 Resp: 189788

Ion Ratio Lower Upper

252 100

253 22.0 22.2 33.4#

125 12.3 18.0 27.0#



#38

Benzo(k)fluoranthene

Concen: 3.329 ng

RT: 23.022 min Scan# 2595

Delta R.T. -0.003 min

Lab File: BN038217.D

Acq: 26 Nov 2025 23:37

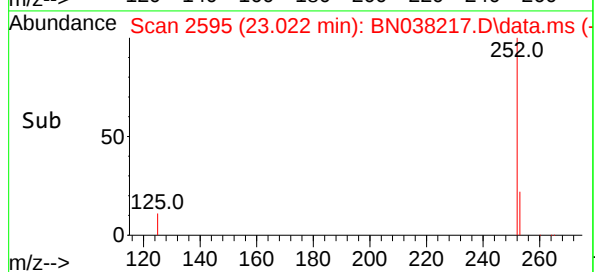
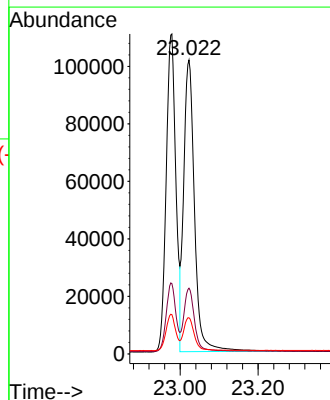
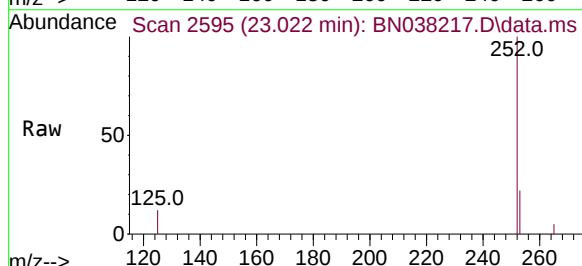
Tgt Ion:252 Resp: 195835

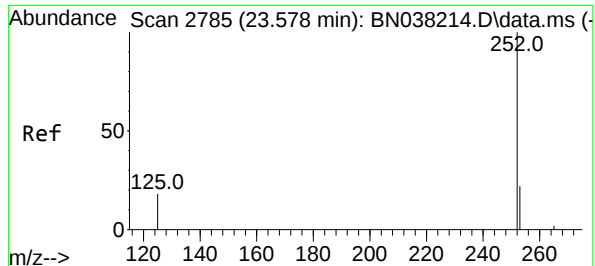
Ion Ratio Lower Upper

252 100

253 22.4 22.4 33.6#

125 12.3 17.5 26.3#





#39

Benzo(a)pyrene

Concen: 3.289 ng

RT: 23.572 min Scan# 21

Delta R.T. -0.006 min

Lab File: BN038217.D

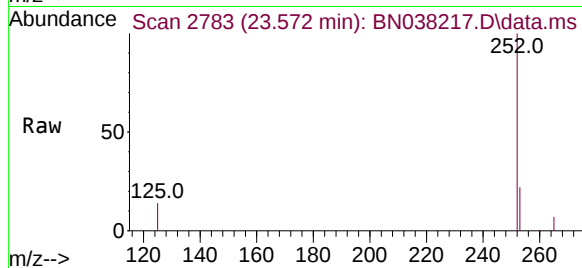
Acq: 26 Nov 2025 23:37

Instrument :

BNA_N

ClientSampleId :

SSTDICC3.2



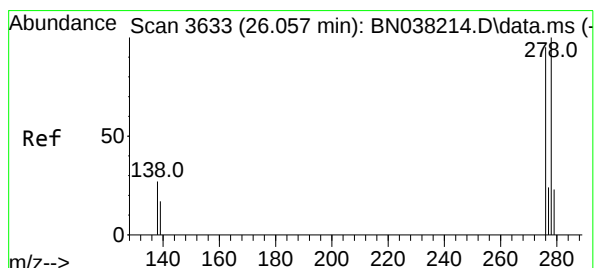
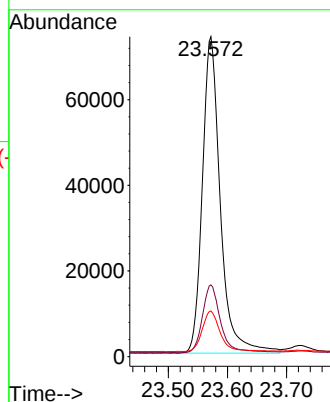
Tgt Ion:252 Resp: 156001

Ion Ratio Lower Upper

252 100

253 22.4 25.3 37.9#

125 14.3 25.2 37.8#



#40

Dibenzo(a,h)anthracene

Concen: 3.518 ng

RT: 26.040 min Scan# 3627

Delta R.T. -0.017 min

Lab File: BN038217.D

Acq: 26 Nov 2025 23:37

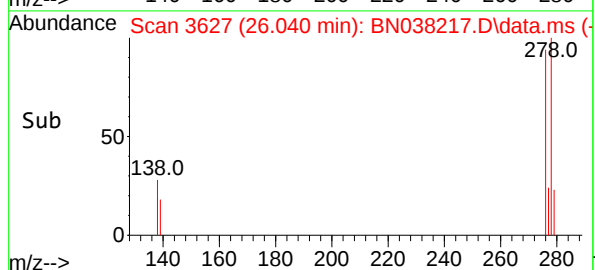
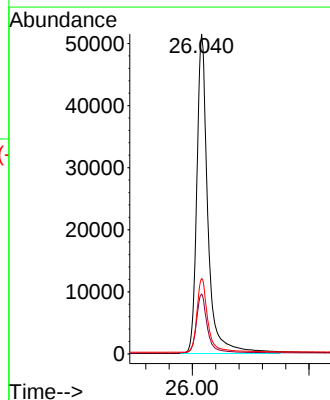
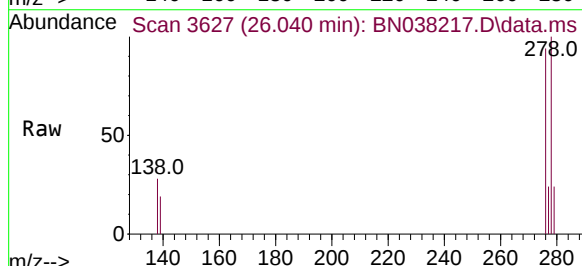
Tgt Ion:278 Resp: 169926

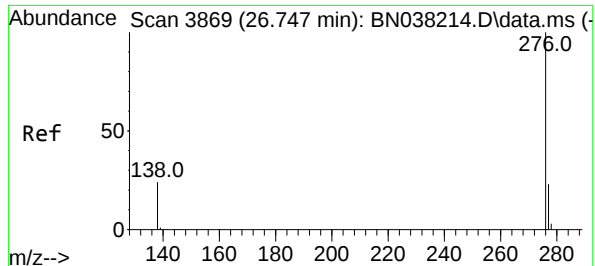
Ion Ratio Lower Upper

278 100

139 18.7 17.6 26.4

279 23.5 24.2 36.4#





#41

Benzo(g,h,i)perylene

Concen: 3.242 ng

RT: 26.738 min Scan# 38

Delta R.T. -0.009 min

Lab File: BN038217.D

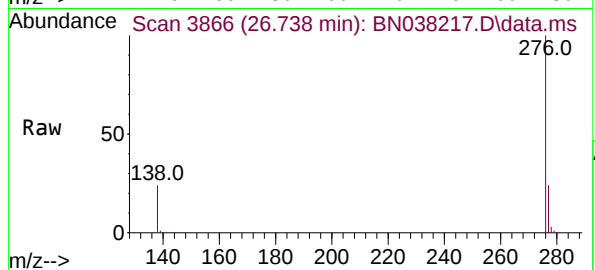
Acq: 26 Nov 2025 23:37

Instrument :

BNA_N

ClientSampleId :

SSTDICC3.2



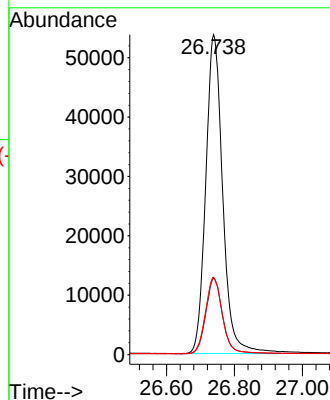
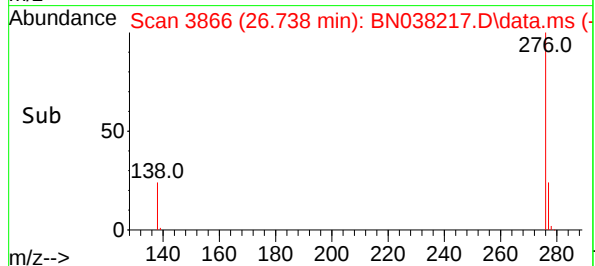
Tgt Ion:276 Resp: 186060

Ion Ratio Lower Upper

276 100

277 23.8 20.2 30.2

138 24.2 20.8 31.2



Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN112725\
 Data File : BN038218.D
 Acq On : 27 Nov 2025 00:13
 Operator : RC/JU
 Sample : SSTDICC5.0
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 SSTDICC5.0

Quant Time: Nov 28 20:56:11 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN112725.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Nov 28 20:22:09 2025
 Response via : Initial Calibration

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

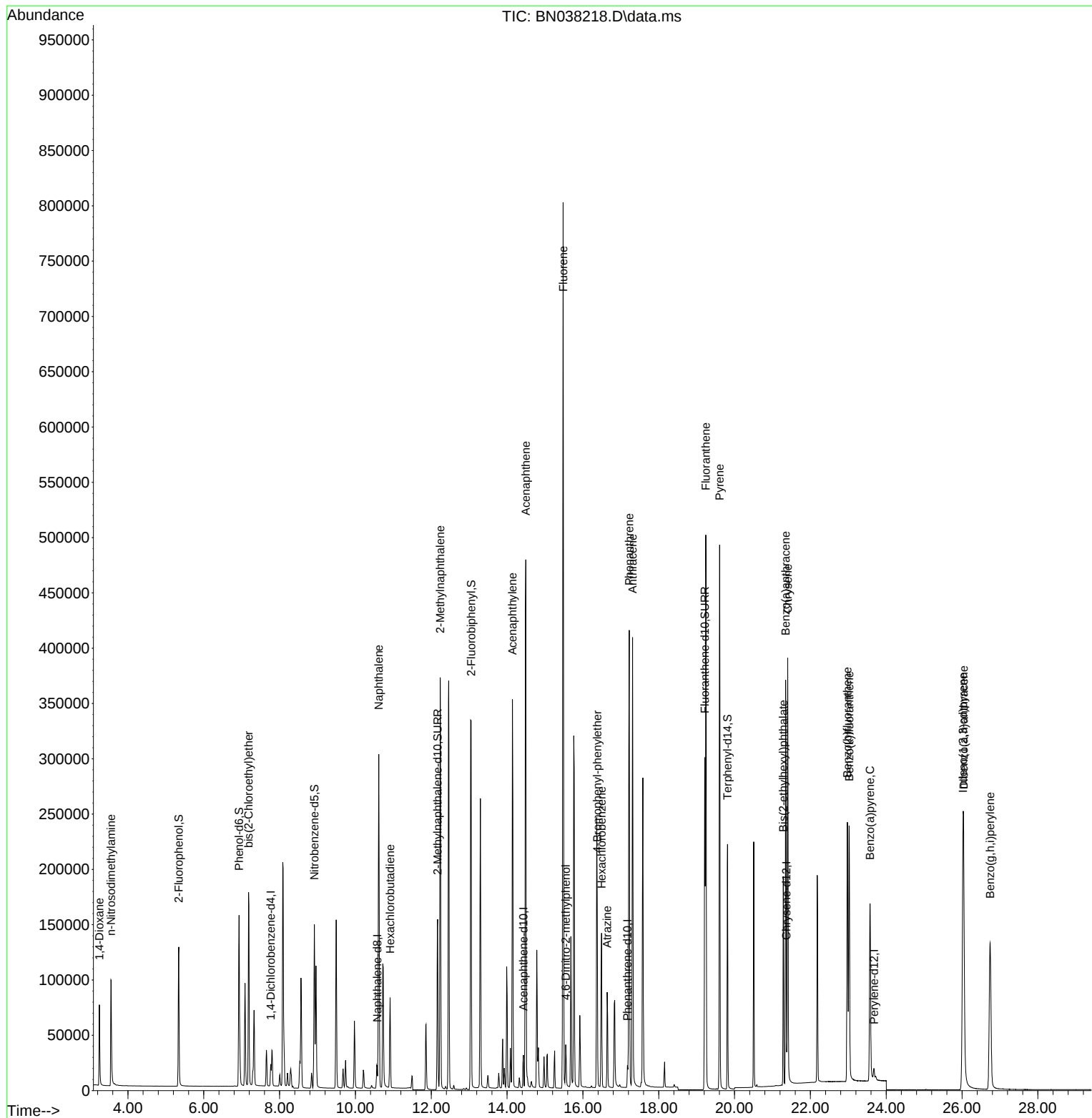
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.768	152	9425	0.400	ng	0.00
7) Naphthalene-d8	10.573	136	28584	0.400	ng	0.00
13) Acenaphthene-d10	14.430	164	16460	0.400	ng	0.00
19) Phenanthrene-d10	17.173	188	28173	0.400	ng	#-0.01
29) Chrysene-d12	21.366	240	17259	0.400	ng	# 0.00
35) Perylene-d12	23.677	264	14227	0.400	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.341	112	105128	4.772	ng	0.00
5) Phenol-d6	6.930	99	140266	5.096	ng	0.00
8) Nitrobenzene-d5	8.918	82	111113	4.861	ng	0.00
11) 2-Methylnaphthalene-d10	12.167	152	206762	5.096	ng	0.00
14) 2,4,6-Tribromophenol	0.000	330	0d	0.000	ng	
15) 2-Fluorobiphenyl	13.051	172	300119	4.720	ng	0.00
27) Fluoranthene-d10	19.215	212	316915	5.186	ng	0.00
31) Terphenyl-d14	19.815	244	204734	5.136	ng	0.00
Target Compounds					Qvalue	
2) 1,4-Dioxane	3.247	88	44504	4.482	ng	100
3) n-Nitrosodimethylamine	3.550	42	60047	4.904	ng	# 95
6) bis(2-Chloroethyl)ether	7.183	93	128213	4.866	ng	98
9) Naphthalene	10.616	128	386463	4.869	ng	99
10) Hexachlorobutadiene	10.915	225	63118	4.675	ng	# 99
12) 2-Methylnaphthalene	12.238	142	264783	5.069	ng	99
16) Acenaphthylene	14.142	152	386815	5.255	ng	100
17) Acenaphthene	14.494	154	259349	5.054	ng	97
18) Fluorene	15.478	166	350358	5.275	ng	99
20) 4,6-Dinitro-2-methylph...	15.547	198	24887	4.740	ng	# 13
21) 4-Bromophenyl-phenylether	16.379	248	98459	5.044	ng	# 89
22) Hexachlorobenzene	16.491	284	108089	4.503	ng	100
23) Atrazine	16.640	200	70335	5.642	ng	# 91
25) Phenanthrene	17.223	178	443212	5.011	ng	99
26) Anthracene	17.310	178	410739	5.443	ng	99
28) Fluoranthene	19.243	202	445842	5.231	ng	99
30) Pyrene	19.606	202	432809	5.021	ng	100
32) Benzo(a)anthracene	21.348	228	303930	5.200	ng	99
33) Chrysene	21.402	228	322253	4.672	ng	98
34) Bis(2-ethylhexyl)phtha...	21.286	149	160858	5.026	ng	98
36) Indeno(1,2,3-cd)pyrene	26.022	276	348640	5.295	ng	98
37) Benzo(b)fluoranthene	22.975	252	300462	5.145	ng	# 84
38) Benzo(k)fluoranthene	23.022	252	309850	5.104	ng	# 84
39) Benzo(a)pyrene	23.575	252	252042	5.149	ng	# 75
40) Dibenzo(a,h)anthracene	26.042	278	272232	5.462	ng	# 90
41) Benzo(g,h,i)perylene	26.741	276	296912	5.013	ng	96

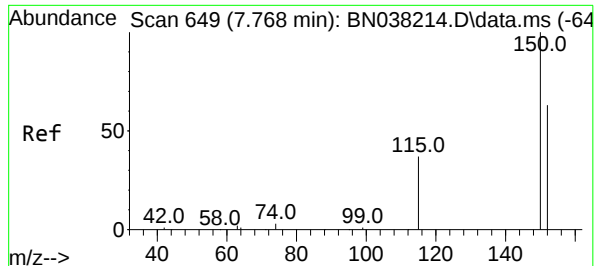
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN112725\
Data File : BN038218.D
Acq On : 27 Nov 2025 00:13
Operator : RC/JU
Sample : SSTDICC5.0
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

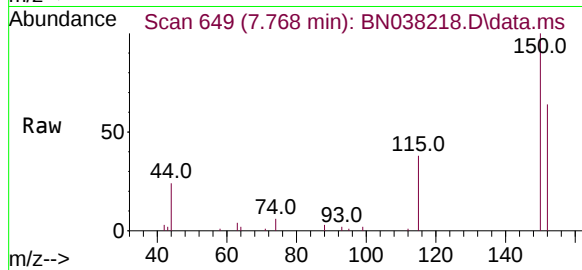
Quant Time: Nov 28 20:56:11 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN112725.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Nov 28 20:22:09 2025
Response via : Initial Calibration



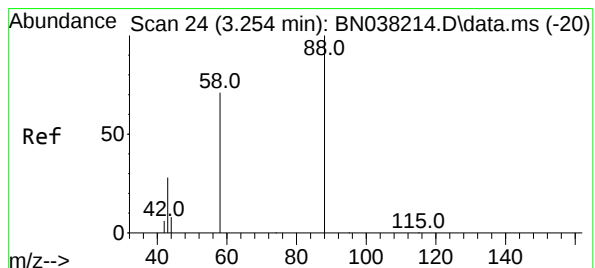
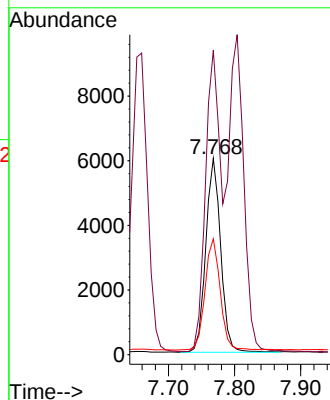
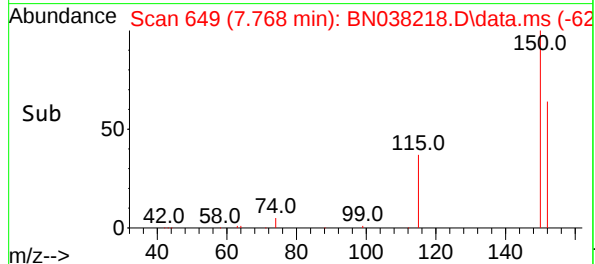


#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.768 min Scan# 64
Delta R.T. -0.000 min
Lab File: BN038218.D
Acq: 27 Nov 2025 00:13

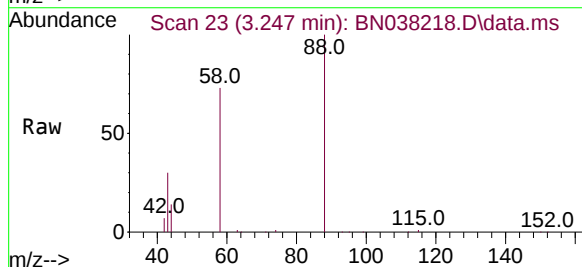
Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0



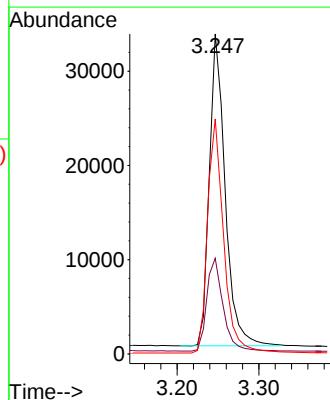
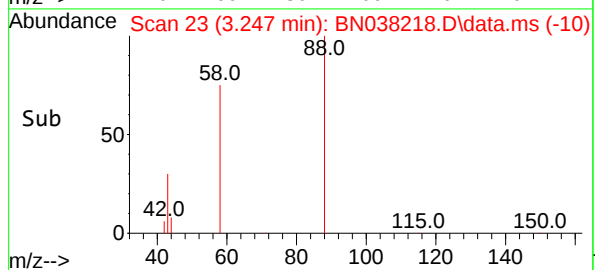
Tgt Ion:152 Resp: 9425
Ion Ratio Lower Upper
152 100
150 155.1 125.3 187.9
115 58.9 49.0 73.4

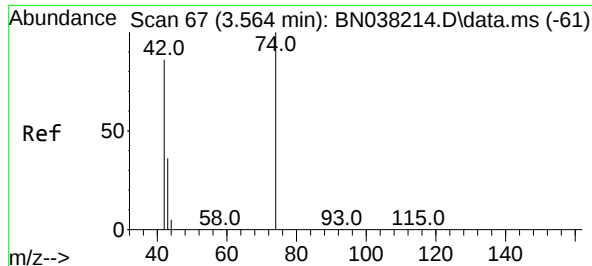


#2
1,4-Dioxane
Concen: 4.482 ng
RT: 3.247 min Scan# 23
Delta R.T. -0.007 min
Lab File: BN038218.D
Acq: 27 Nov 2025 00:13



Tgt Ion: 88 Resp: 44504
Ion Ratio Lower Upper
88 100
43 30.5 24.8 37.2
58 76.3 61.1 91.7

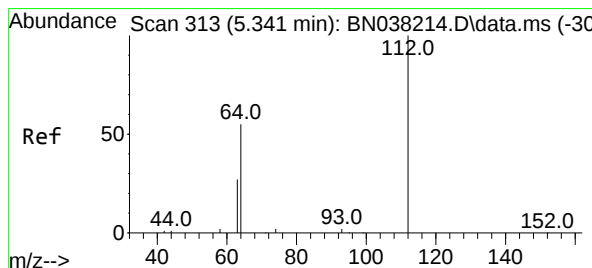
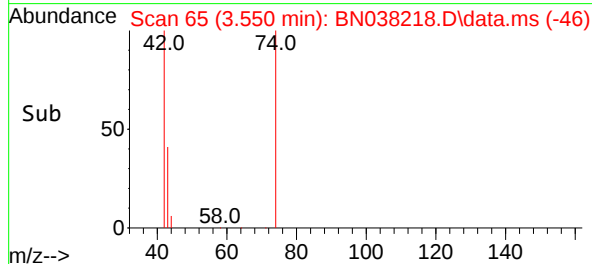
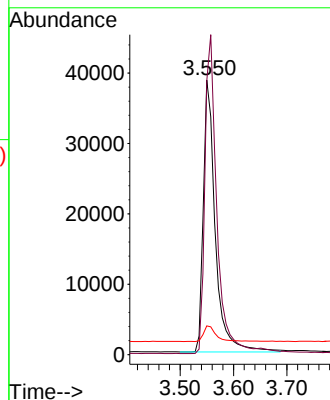
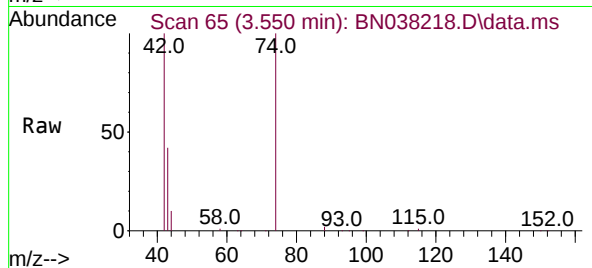




#3
n-Nitrosodimethylamine
Concen: 4.904 ng
RT: 3.550 min Scan# 61
Delta R.T. -0.014 min
Lab File: BN038218.D
Acq: 27 Nov 2025 00:13

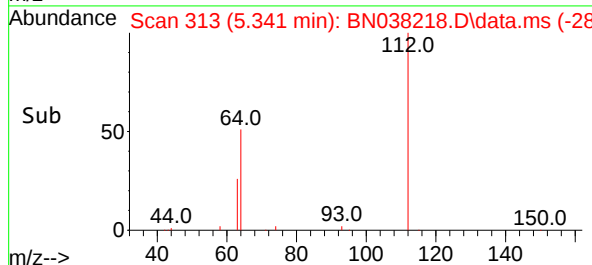
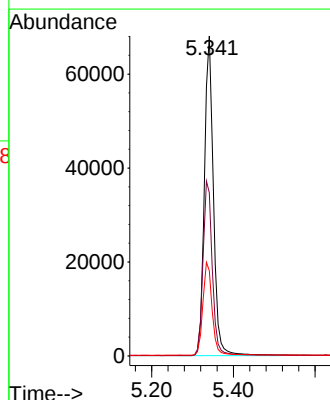
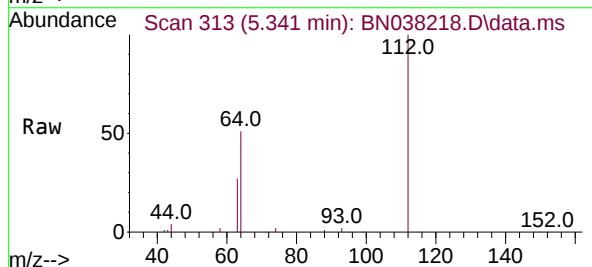
Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

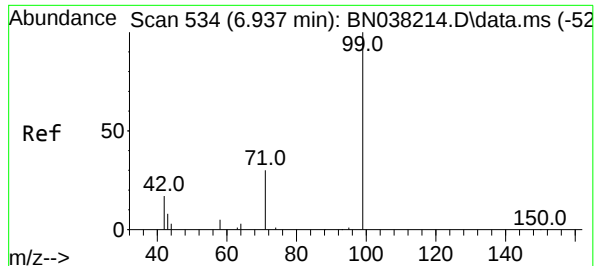
Tgt Ion: 42 Resp: 60047
Ion Ratio Lower Upper
42 100
74 115.5 96.2 144.2
44 6.0 8.0 12.0#



#4
2-Fluorophenol
Concen: 4.772 ng
RT: 5.341 min Scan# 313
Delta R.T. 0.000 min
Lab File: BN038218.D
Acq: 27 Nov 2025 00:13

Tgt Ion: 112 Resp: 105128
Ion Ratio Lower Upper
112 100
64 56.4 45.0 67.4
63 29.8 23.2 34.8

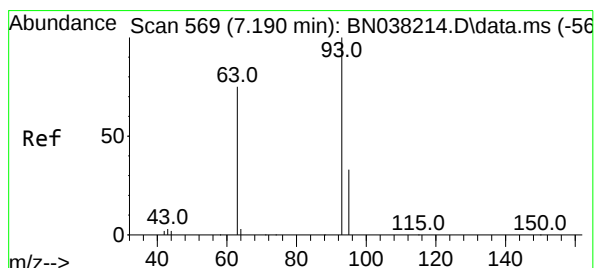
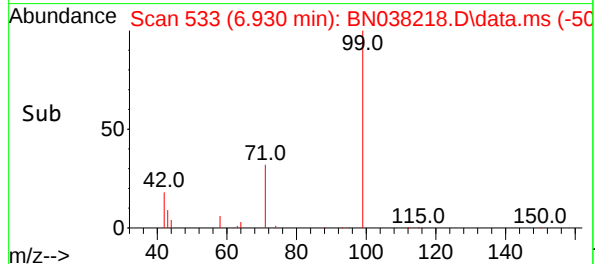
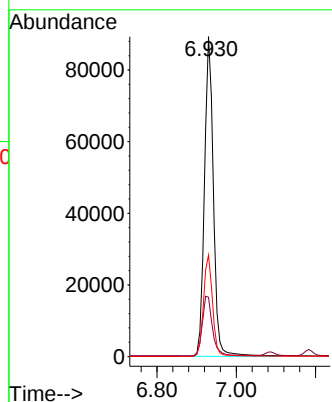
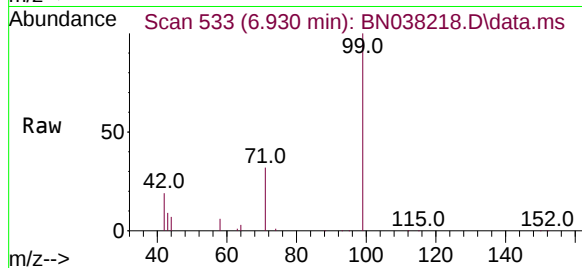




#5
Phenol-d6
Concen: 5.096 ng
RT: 6.930 min Scan# 534
Delta R.T. -0.007 min
Lab File: BN038218.D
Acq: 27 Nov 2025 00:13

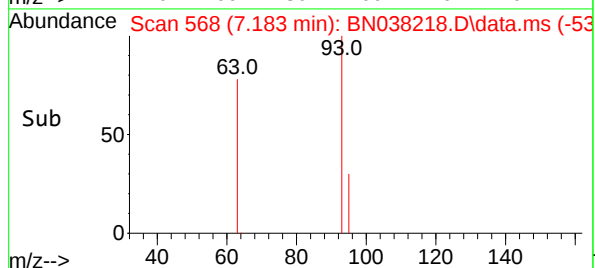
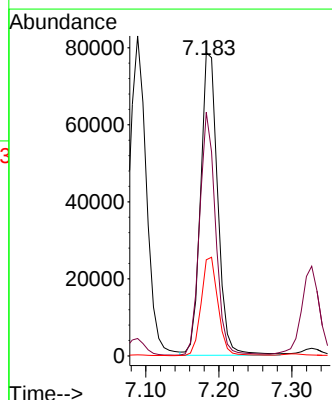
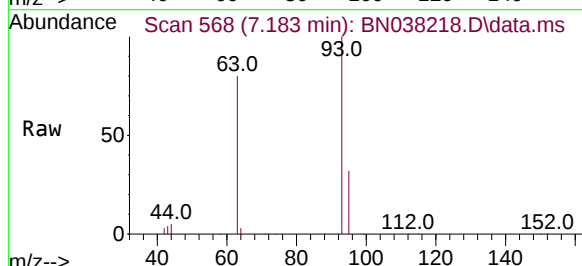
Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

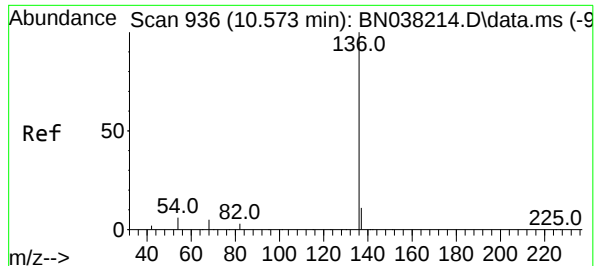
Tgt Ion: 99 Resp: 140266
Ion Ratio Lower Upper
99 100
42 20.9 17.0 25.6
71 32.1 25.4 38.2



#6
bis(2-Chloroethyl)ether
Concen: 4.866 ng
RT: 7.183 min Scan# 568
Delta R.T. -0.007 min
Lab File: BN038218.D
Acq: 27 Nov 2025 00:13

Tgt Ion: 93 Resp: 128213
Ion Ratio Lower Upper
93 100
63 74.8 58.1 87.1
95 31.9 25.1 37.7

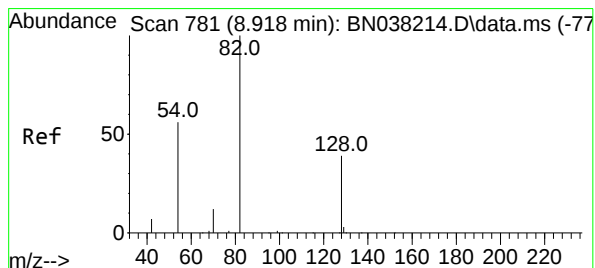
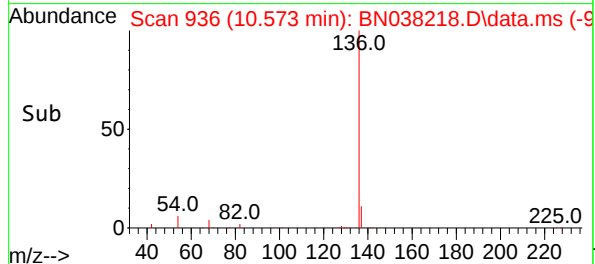
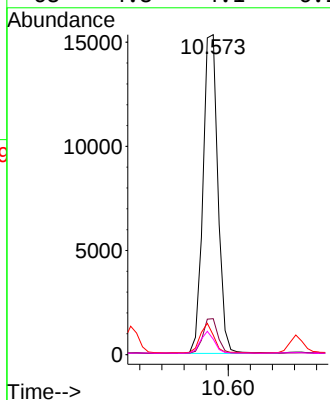
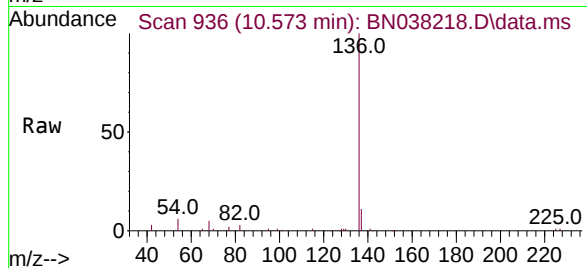




#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.573 min Scan# 936
Delta R.T. 0.000 min
Lab File: BN038218.D
Acq: 27 Nov 2025 00:13

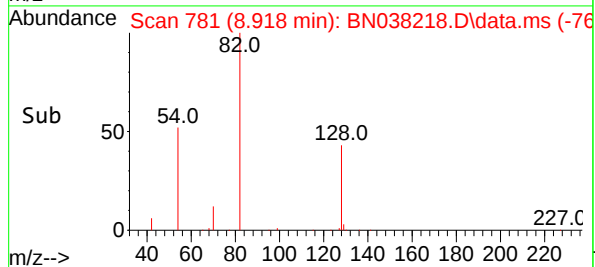
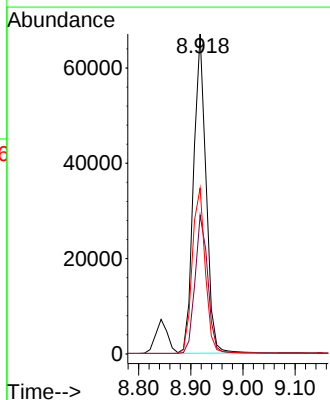
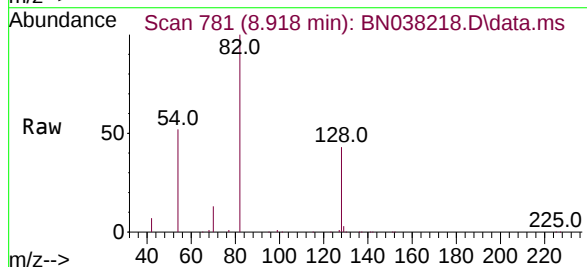
Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

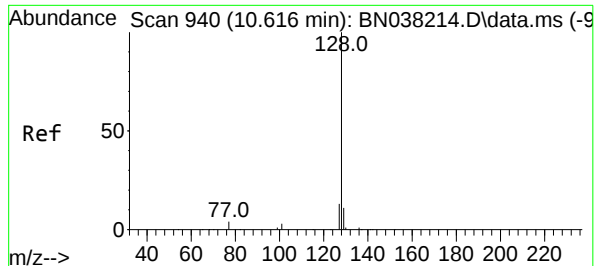
Tgt Ion:	136	Resp:	28584
Ion	Ratio	Lower	Upper
136	100		
137	11.3	8.9	13.3
54	6.1	5.4	8.0
68	4.8	4.1	6.1



#8
Nitrobenzene-d5
Concen: 4.861 ng
RT: 8.918 min Scan# 781
Delta R.T. 0.000 min
Lab File: BN038218.D
Acq: 27 Nov 2025 00:13

Tgt Ion:	82	Resp:	111113
Ion	Ratio	Lower	Upper
82	100		
128	43.4	32.6	48.8
54	51.8	45.4	68.0

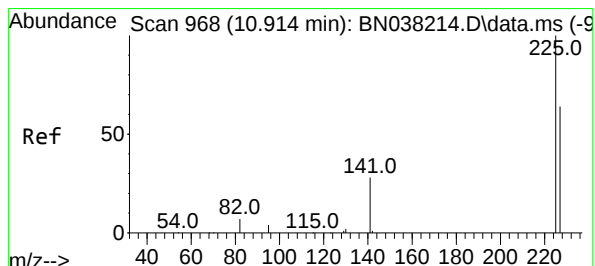
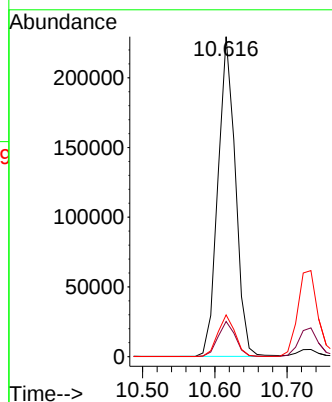
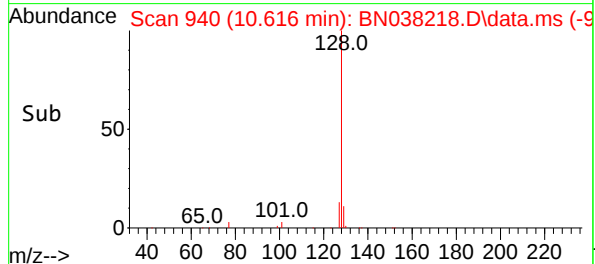
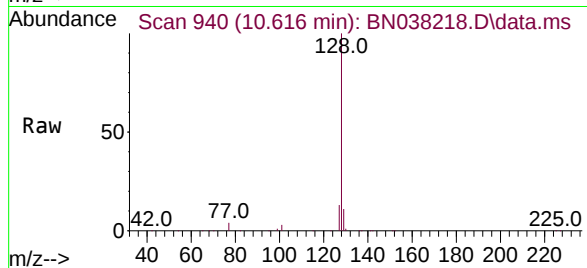




#9
Naphthalene
Concen: 4.869 ng
RT: 10.616 min Scan# 940
Delta R.T. 0.000 min
Lab File: BN038218.D
Acq: 27 Nov 2025 00:13

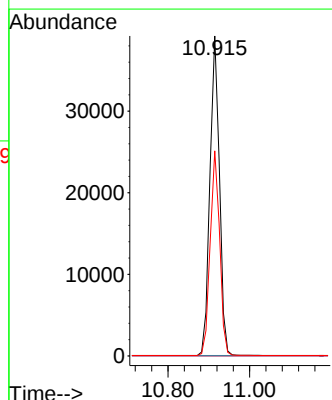
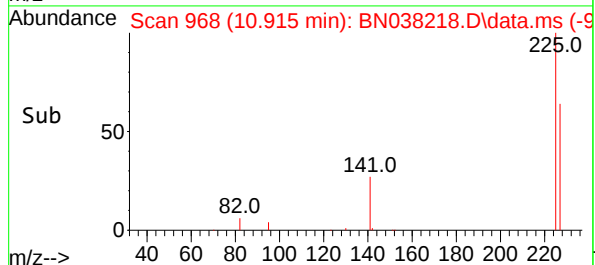
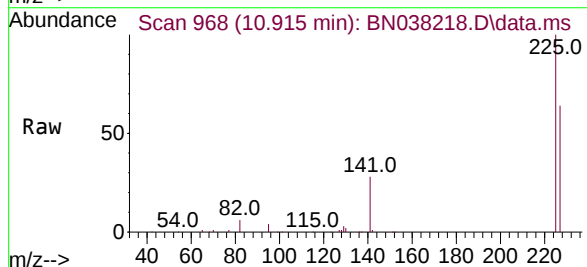
Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

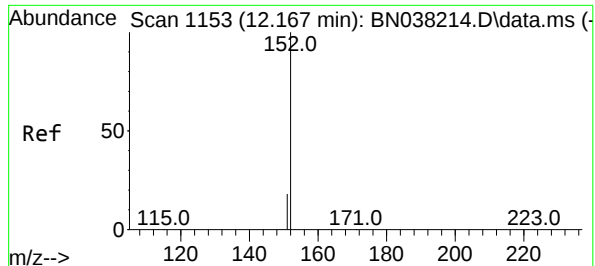
Tgt Ion:128 Resp: 386463
Ion Ratio Lower Upper
128 100
129 11.0 9.1 13.7
127 13.0 10.6 16.0



#10
Hexachlorobutadiene
Concen: 4.675 ng
RT: 10.915 min Scan# 968
Delta R.T. 0.000 min
Lab File: BN038218.D
Acq: 27 Nov 2025 00:13

Tgt Ion:225 Resp: 63118
Ion Ratio Lower Upper
225 100
223 0.0 0.0 0.0
227 64.0 50.5 75.7

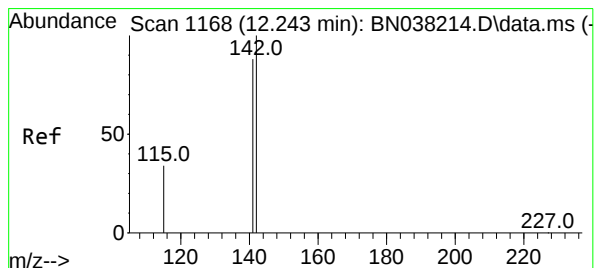
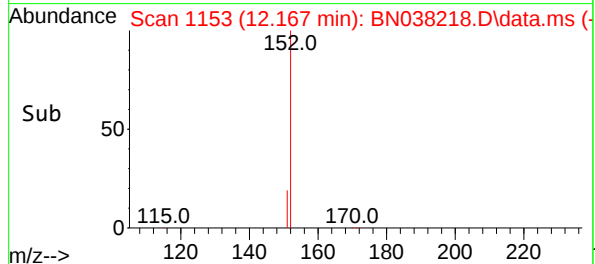
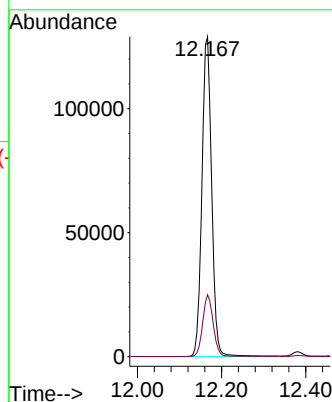
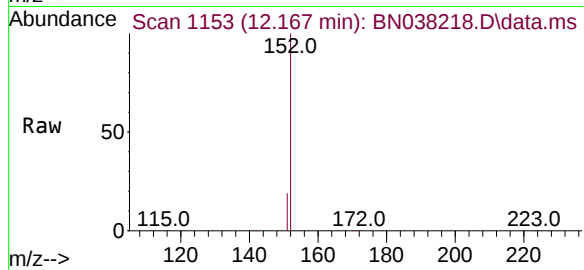




#11
2-Methylnaphthalene-d10
Concen: 5.096 ng
RT: 12.167 min Scan# 1153
Delta R.T. 0.000 min
Lab File: BN038218.D
Acq: 27 Nov 2025 00:13

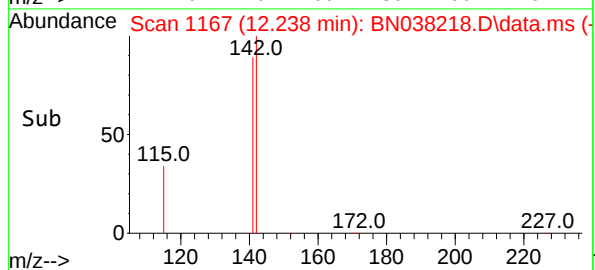
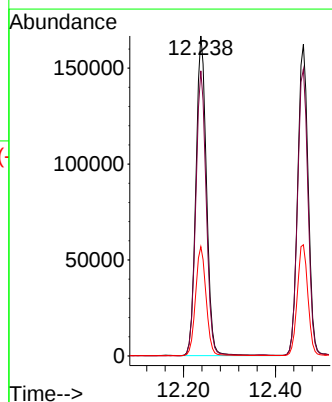
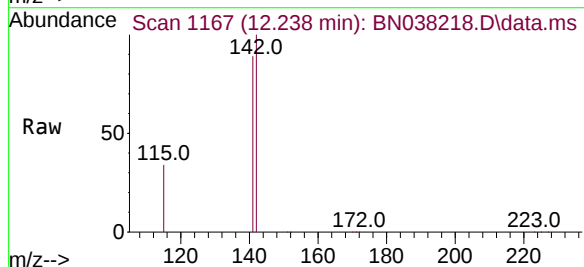
Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

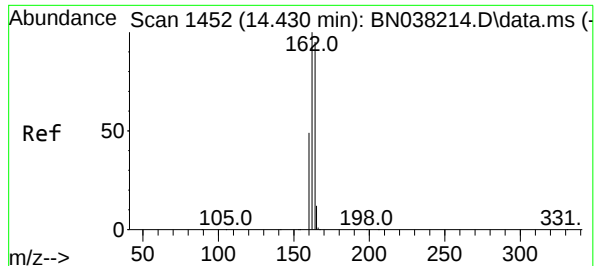
Tgt Ion:152 Resp: 206762
Ion Ratio Lower Upper
152 100
151 20.8 16.7 25.1



#12
2-Methylnaphthalene
Concen: 5.069 ng
RT: 12.238 min Scan# 1167
Delta R.T. -0.005 min
Lab File: BN038218.D
Acq: 27 Nov 2025 00:13

Tgt Ion:142 Resp: 264783
Ion Ratio Lower Upper
142 100
141 89.1 70.9 106.3
115 34.1 27.7 41.5

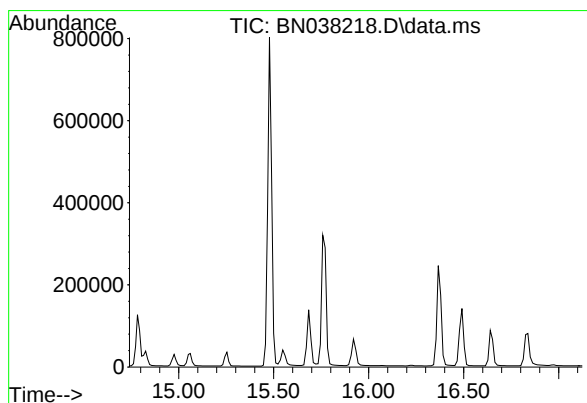
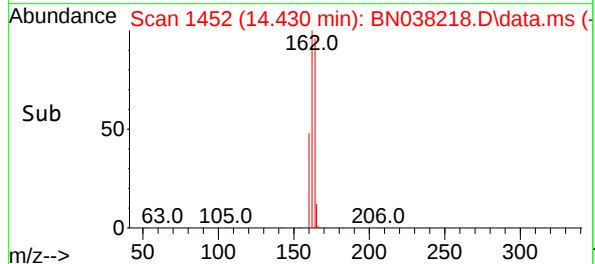
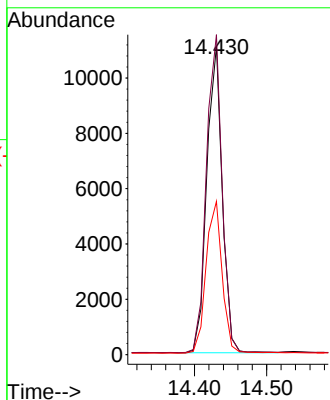
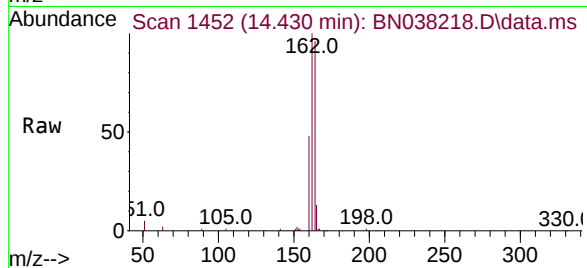




#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.430 min Scan# 14
Delta R.T. 0.000 min
Lab File: BN038218.D
Acq: 27 Nov 2025 00:13

Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

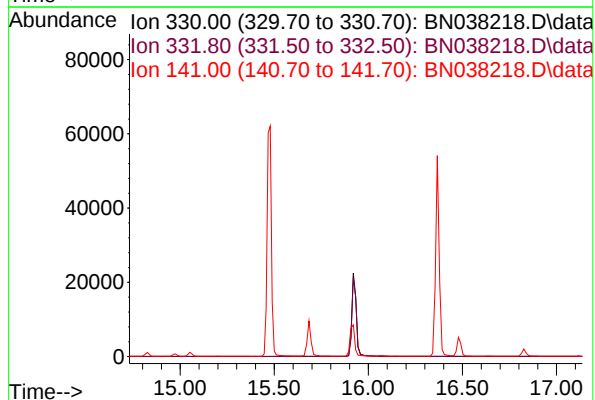
Tgt Ion:164 Resp: 16460
Ion Ratio Lower Upper
164 100
162 103.8 83.8 125.8
160 49.7 41.6 62.4

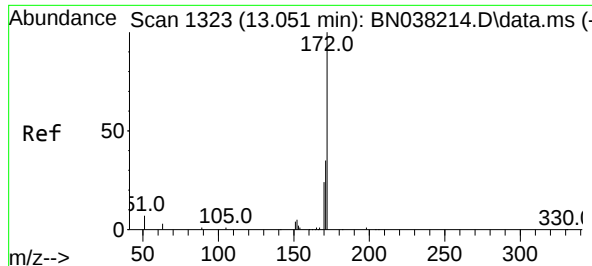


#14
2,4,6-Tribromophenol
Concen: 0.000 ng
Expected RT: 15.93 min

Lab File: BN038218.D
Acq: 27 Nov 2025 00:13

Tgt Ion: 330
Sig Exp Ratio
330 100
332 97.2
141 41.2

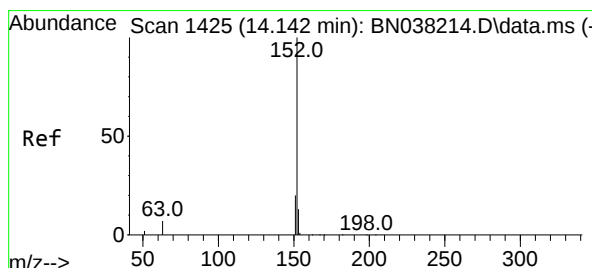
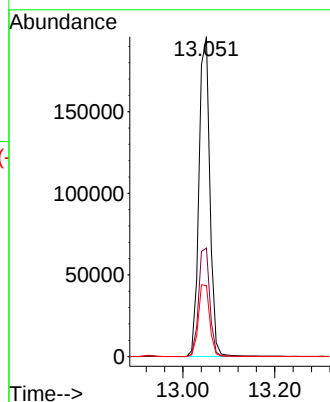
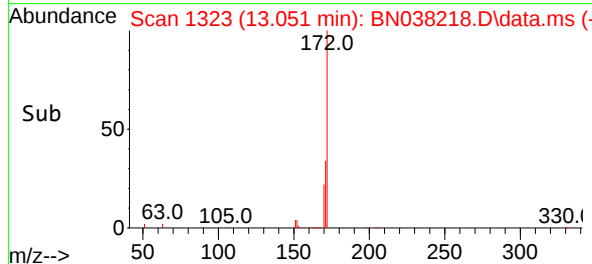
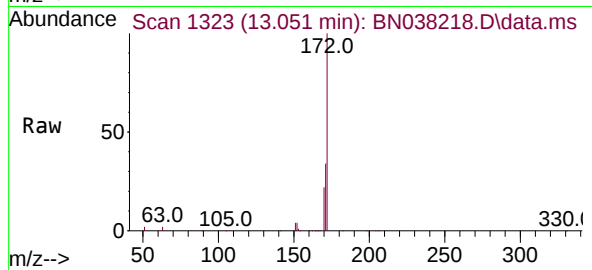




#15
2-Fluorobiphenyl
Concen: 4.720 ng
RT: 13.051 min Scan# 1323
Delta R.T. 0.000 min
Lab File: BN038218.D
Acq: 27 Nov 2025 00:13

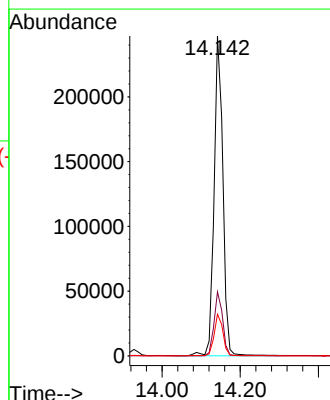
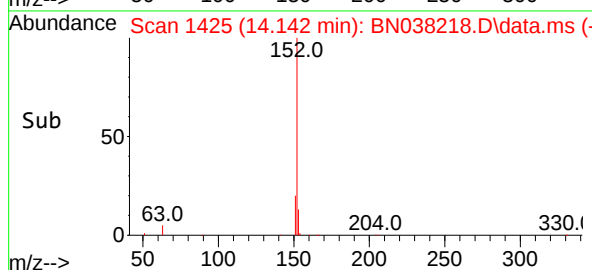
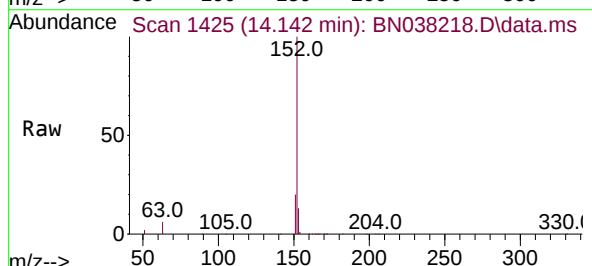
Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

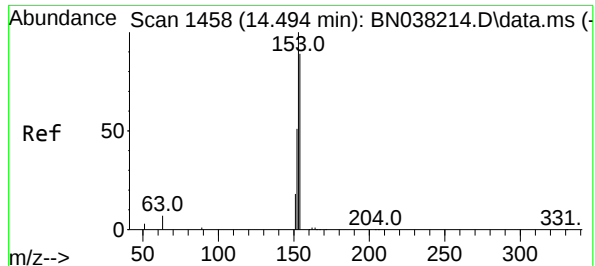
Tgt Ion:172 Resp: 300119
Ion Ratio Lower Upper
172 100
171 33.9 28.1 42.1
170 22.2 19.1 28.7



#16
Acenaphthylene
Concen: 5.255 ng
RT: 14.142 min Scan# 1425
Delta R.T. 0.000 min
Lab File: BN038218.D
Acq: 27 Nov 2025 00:13

Tgt Ion:152 Resp: 386815
Ion Ratio Lower Upper
152 100
151 19.6 15.6 23.4
153 13.1 10.6 15.8

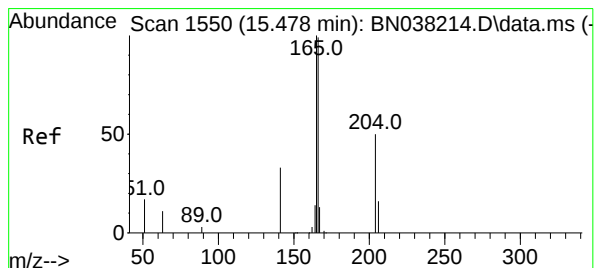
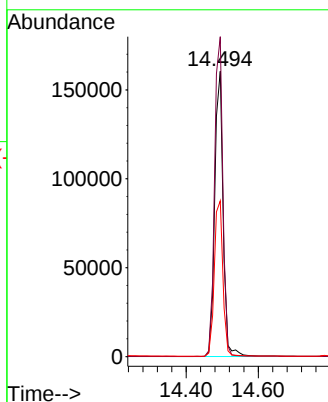
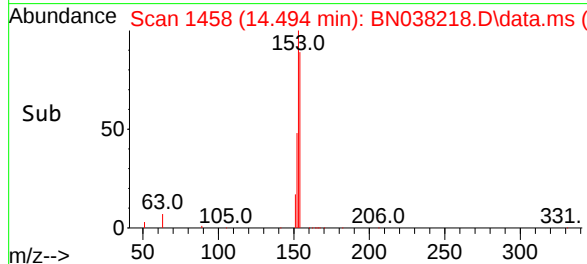
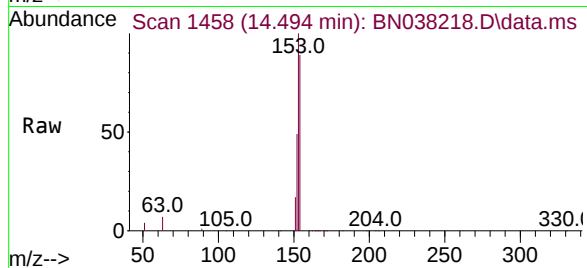




#17
Acenaphthene
Concen: 5.054 ng
RT: 14.494 min Scan# 1458
Delta R.T. 0.000 min
Lab File: BN038218.D
Acq: 27 Nov 2025 00:13

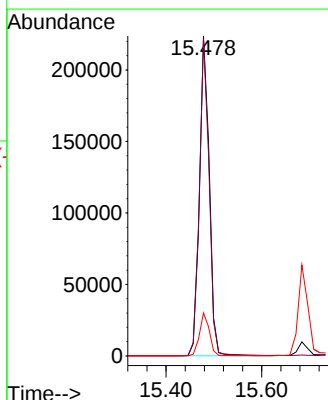
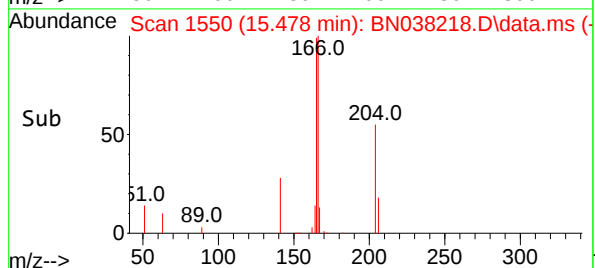
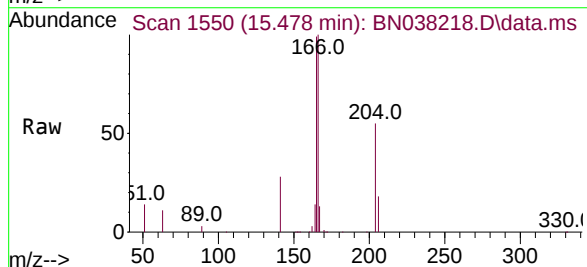
Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

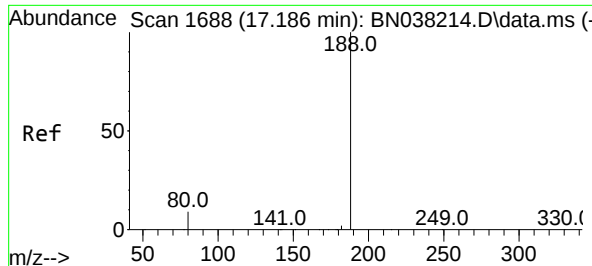
Tgt Ion:154 Resp: 259349
Ion Ratio Lower Upper
154 100
153 111.4 91.1 136.7
152 56.0 48.2 72.2



#18
Fluorene
Concen: 5.275 ng
RT: 15.478 min Scan# 1550
Delta R.T. -0.000 min
Lab File: BN038218.D
Acq: 27 Nov 2025 00:13

Tgt Ion:166 Resp: 350358
Ion Ratio Lower Upper
166 100
165 97.2 78.7 118.1
167 13.3 10.9 16.3





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 17.173 min Scan# 1688

Delta R.T. -0.012 min

Lab File: BN038218.D

Acq: 27 Nov 2025 00:13

Instrument :

BNA_N

ClientSampleId :

SSTDICC5.0

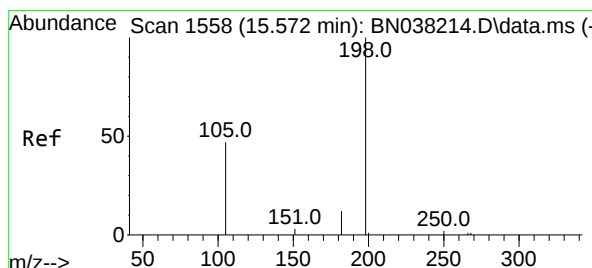
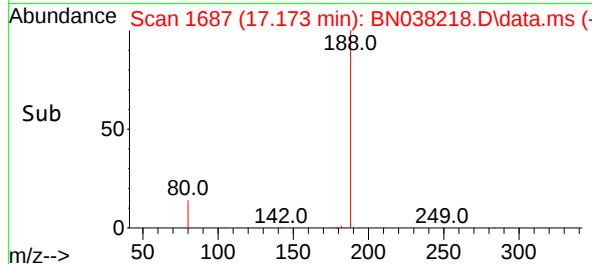
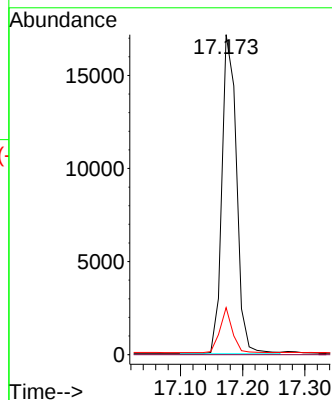
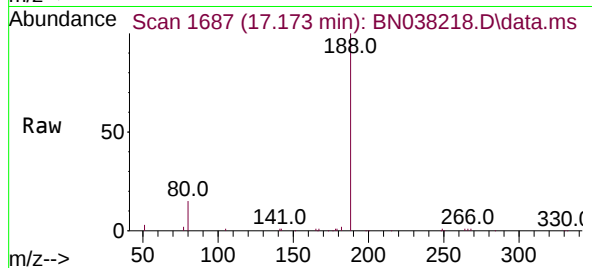
Tgt Ion:188 Resp: 28173

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

80 14.7 7.7 11.5#



#20

4,6-Dinitro-2-methylphenol

Concen: 4.740 ng

RT: 15.547 min Scan# 1556

Delta R.T. -0.025 min

Lab File: BN038218.D

Acq: 27 Nov 2025 00:13

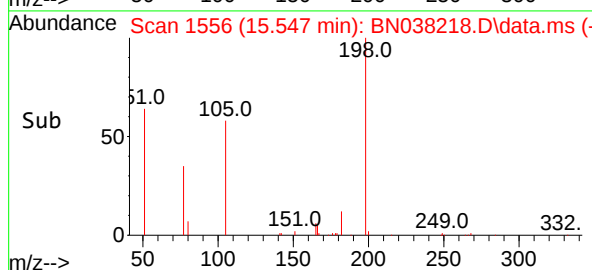
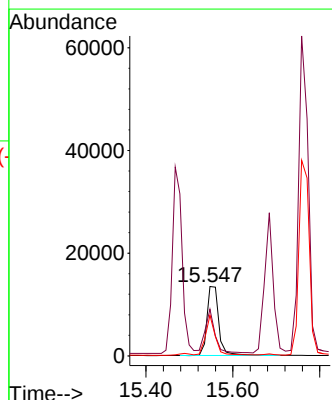
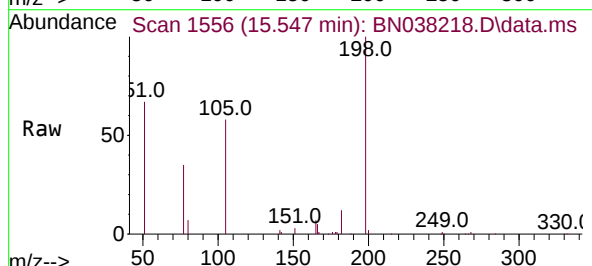
Tgt Ion:198 Resp: 24887

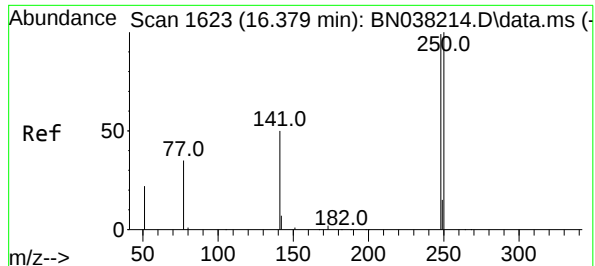
Ion Ratio Lower Upper

198 100

51 67.1 205.1 307.7#

105 58.3 61.6 92.4#

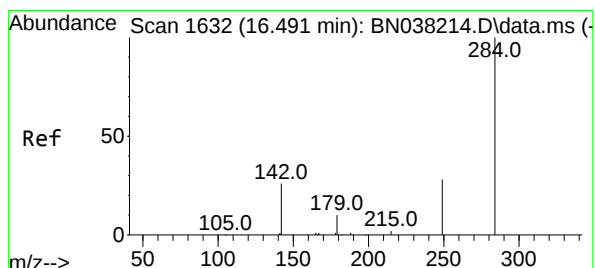
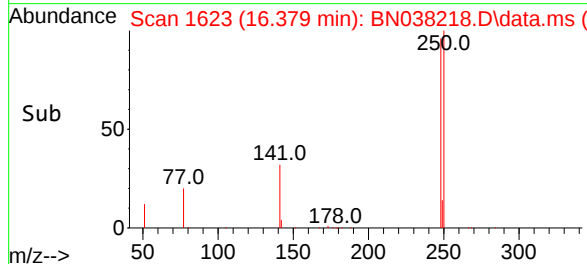
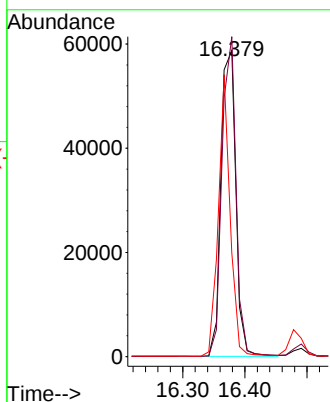
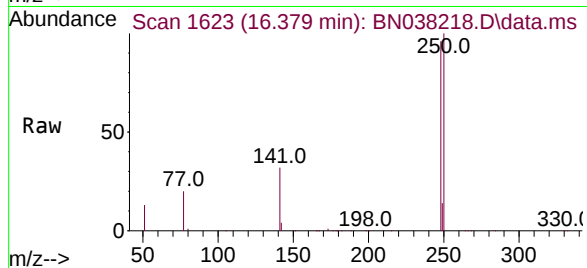




#21
4-Bromophenyl-phenylether
Concen: 5.044 ng
RT: 16.379 min Scan# 1623
Delta R.T. 0.000 min
Lab File: BN038218.D
Acq: 27 Nov 2025 00:13

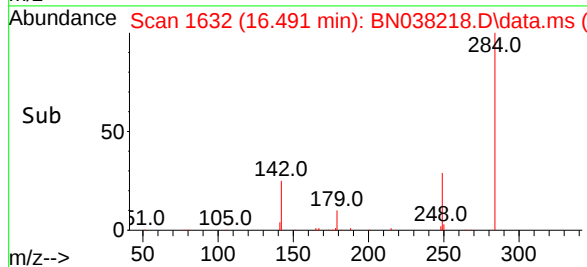
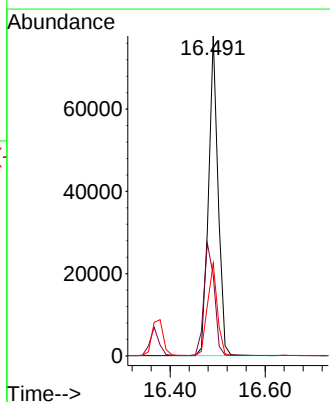
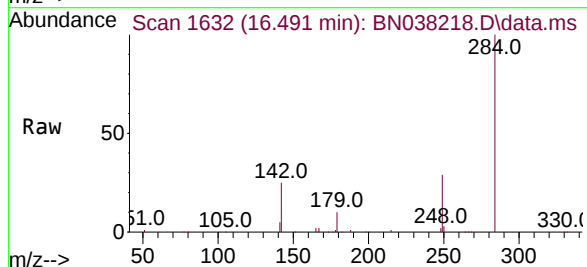
Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

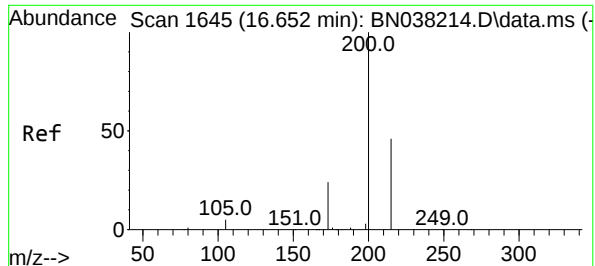
Tgt Ion	248	250	141
Resp:	98459		
Ion Ratio	100	104.5	33.9
Lower		80.8	41.0
Upper		121.2	61.6



#22
Hexachlorobenzene
Concen: 4.503 ng
RT: 16.491 min Scan# 1632
Delta R.T. 0.000 min
Lab File: BN038218.D
Acq: 27 Nov 2025 00:13

Tgt Ion	284	142	249
Resp:	108089		
Ion Ratio	100	38.3	29.7
Lower		30.5	23.8
Upper		45.7	35.8

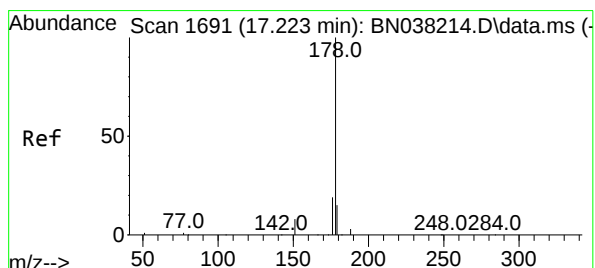
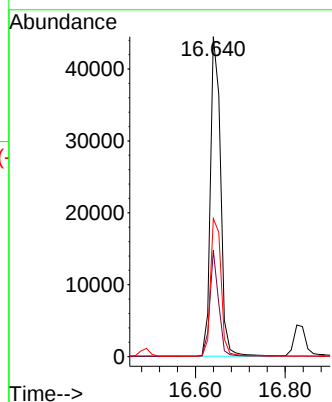
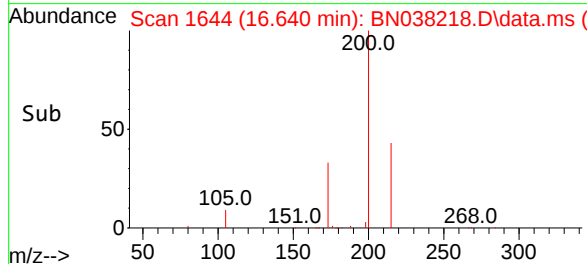
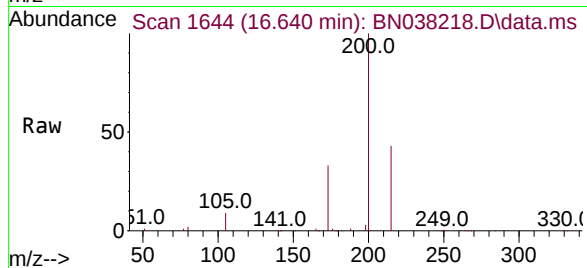




#23
Atrazine
Concen: 5.642 ng
RT: 16.640 min Scan# 1644
Delta R.T. -0.012 min
Lab File: BN038218.D
Acq: 27 Nov 2025 00:13

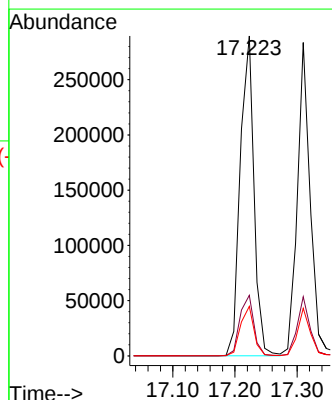
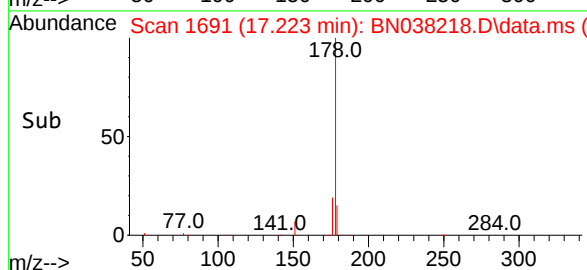
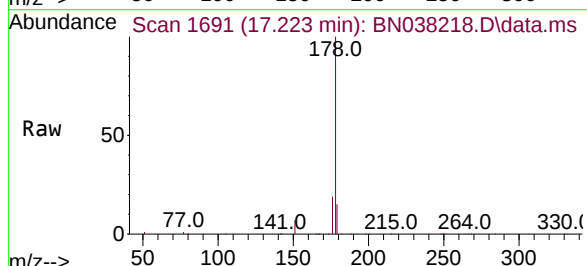
Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

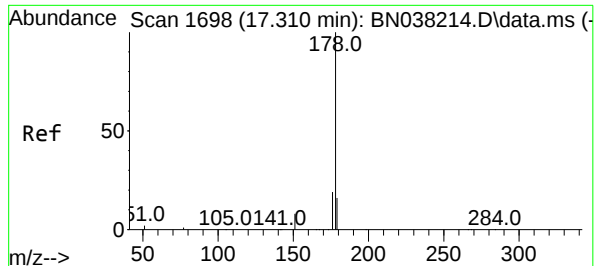
Tgt Ion:200 Resp: 70335
Ion Ratio Lower Upper
200 100
173 33.2 21.0 31.6#
215 43.2 37.8 56.8



#25
Phenanthrene
Concen: 5.011 ng
RT: 17.223 min Scan# 1691
Delta R.T. 0.000 min
Lab File: BN038218.D
Acq: 27 Nov 2025 00:13

Tgt Ion:178 Resp: 443212
Ion Ratio Lower Upper
178 100
176 19.3 15.3 22.9
179 15.2 12.0 18.0

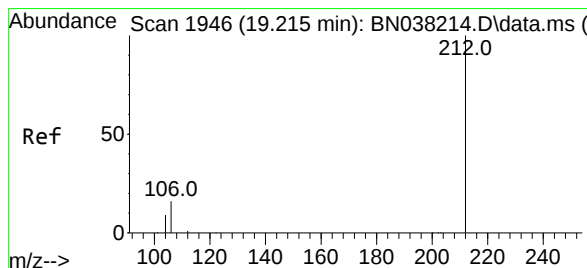
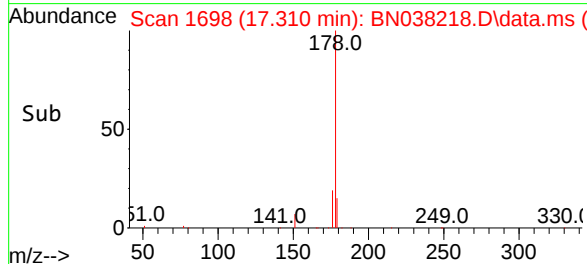
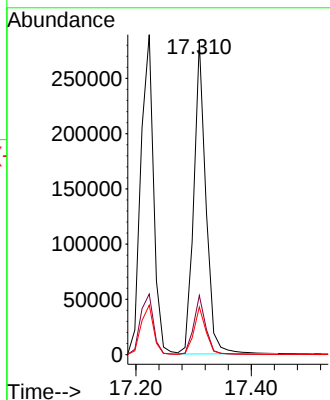
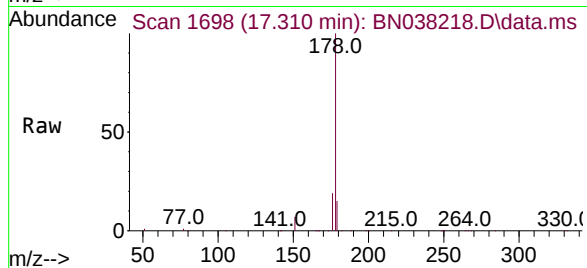




#26
Anthracene
Concen: 5.443 ng
RT: 17.310 min Scan# 1698
Delta R.T. 0.000 min
Lab File: BN038218.D
Acq: 27 Nov 2025 00:13

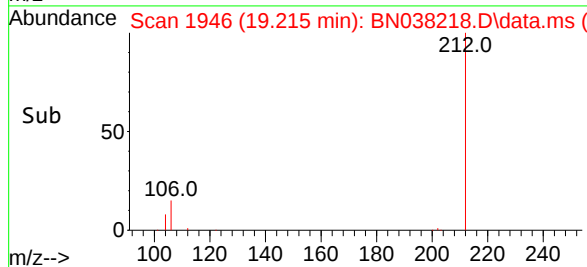
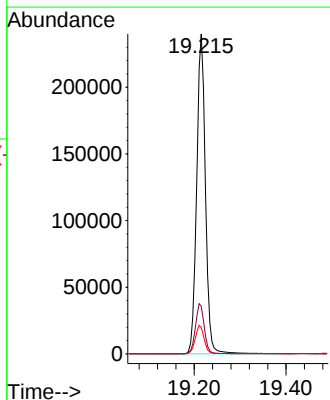
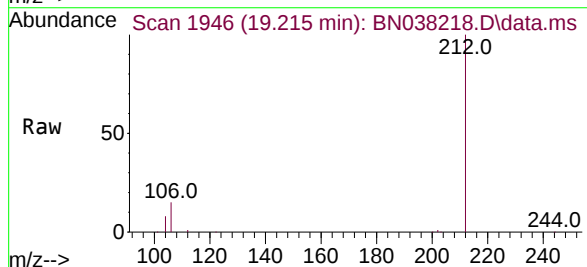
Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

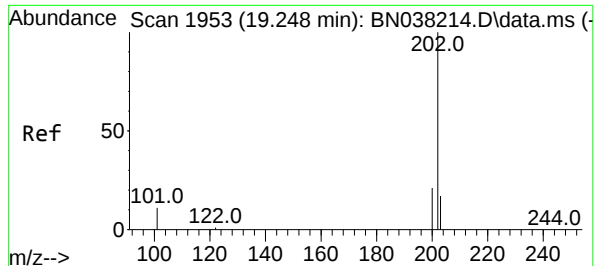
Tgt Ion:178 Resp: 410739
Ion Ratio Lower Upper
178 100
176 18.8 14.7 22.1
179 15.2 12.3 18.5



#27
Fluoranthene-d10
Concen: 5.186 ng
RT: 19.215 min Scan# 1946
Delta R.T. 0.000 min
Lab File: BN038218.D
Acq: 27 Nov 2025 00:13

Tgt Ion:212 Resp: 316915
Ion Ratio Lower Upper
212 100
106 15.8 12.7 19.1
104 8.9 7.3 10.9

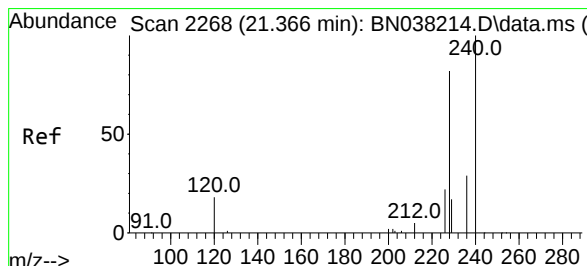
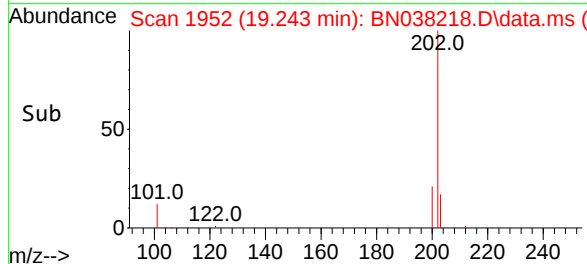
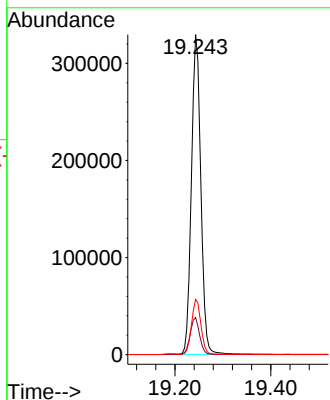
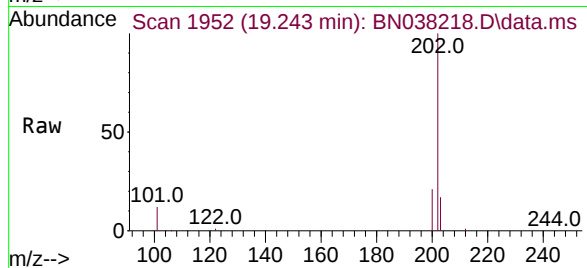




#28
Fluoranthene
Concen: 5.231 ng
RT: 19.243 min Scan# 1953
Delta R.T. -0.005 min
Lab File: BN038218.D
Acq: 27 Nov 2025 00:13

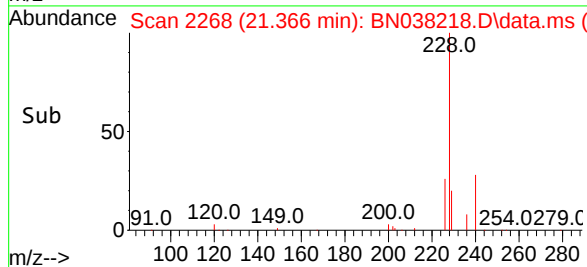
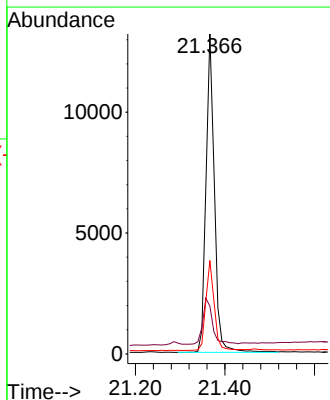
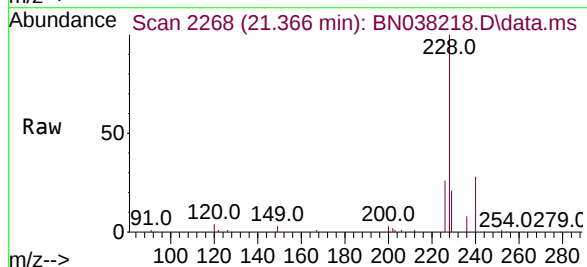
Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

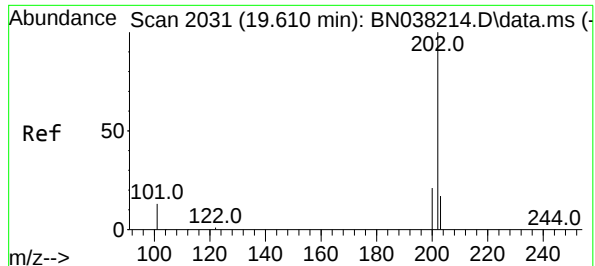
Tgt Ion:202 Resp: 445842
Ion Ratio Lower Upper
202 100
101 11.8 9.8 14.6
203 17.3 13.6 20.4



#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.366 min Scan# 2268
Delta R.T. 0.000 min
Lab File: BN038218.D
Acq: 27 Nov 2025 00:13

Tgt Ion:240 Resp: 17259
Ion Ratio Lower Upper
240 100
120 14.9 18.1 27.1#
236 29.2 24.2 36.4





#30

Pyrene

Concen: 5.021 ng

RT: 19.606 min Scan# 2031

Delta R.T. -0.005 min

Lab File: BN038218.D

Acq: 27 Nov 2025 00:13

Instrument :

BNA_N

ClientSampleId :

SSTDICC5.0

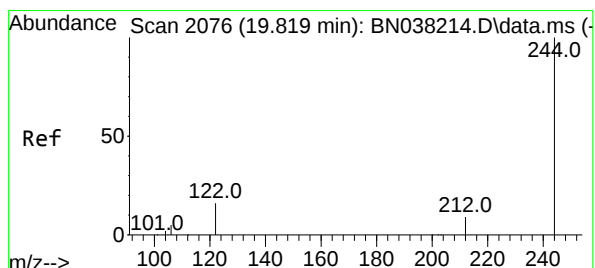
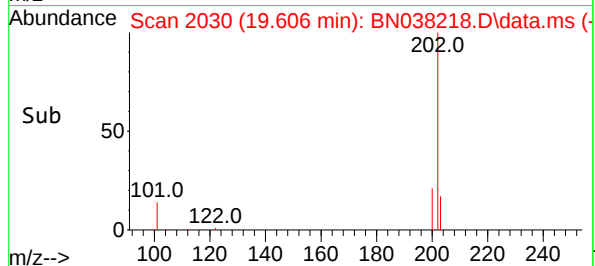
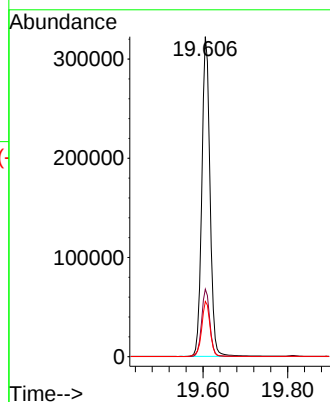
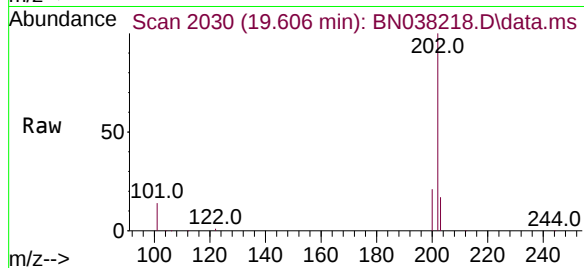
Tgt Ion:202 Resp: 432809

Ion	Ratio	Lower	Upper
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202	100		
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200	21.1	16.8	25.2
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203	17.7	14.4	21.6
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#31

Terphenyl-d14

Concen: 5.136 ng

RT: 19.815 min Scan# 2075

Delta R.T. -0.005 min

Lab File: BN038218.D

Acq: 27 Nov 2025 00:13

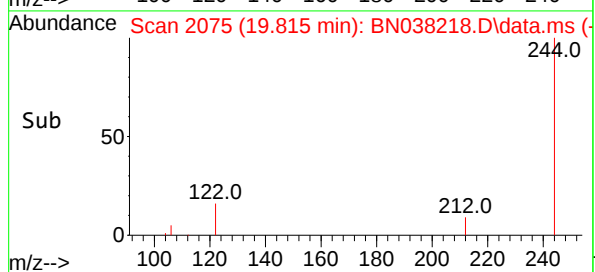
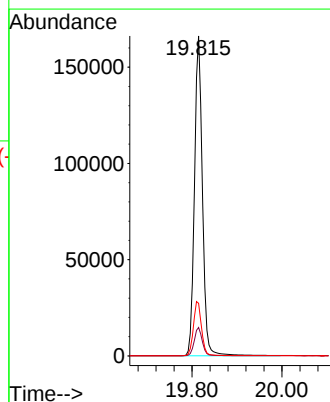
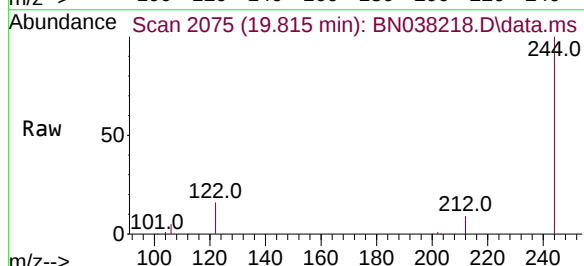
Tgt Ion:244 Resp: 204734

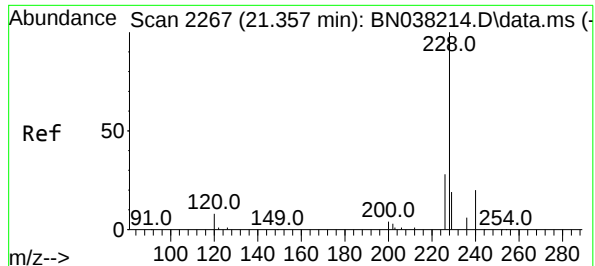
Ion	Ratio	Lower	Upper
-----	-------	-------	-------

244	100		
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212	8.9	7.7	11.5
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122	16.5	13.6	20.4
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#32

Benzo(a)anthracene

Concen: 5.200 ng

RT: 21.348 min Scan# 21

Delta R.T. -0.009 min

Lab File: BN038218.D

Acq: 27 Nov 2025 00:13

Instrument :

BNA_N

ClientSampleId :

SSTDICC5.0

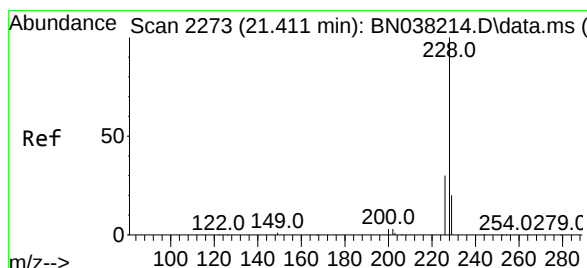
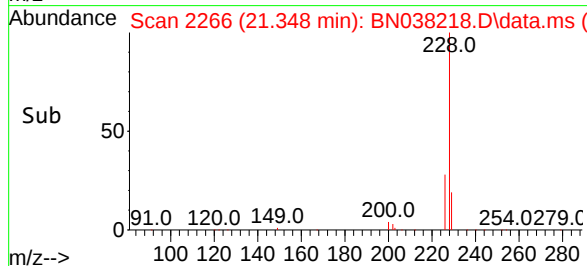
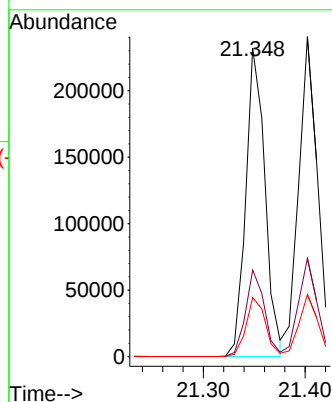
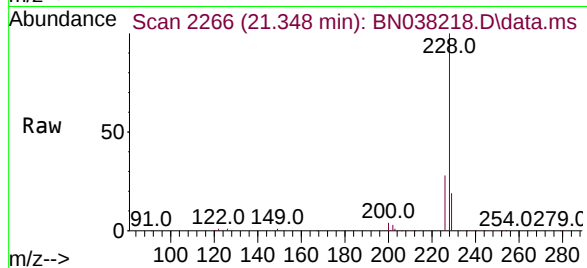
Tgt Ion:228 Resp: 303930

Ion Ratio Lower Upper

228 100

226 28.1 22.6 33.8

229 19.2 15.8 23.8



#33

Chrysene

Concen: 4.672 ng

RT: 21.402 min Scan# 2272

Delta R.T. -0.009 min

Lab File: BN038218.D

Acq: 27 Nov 2025 00:13

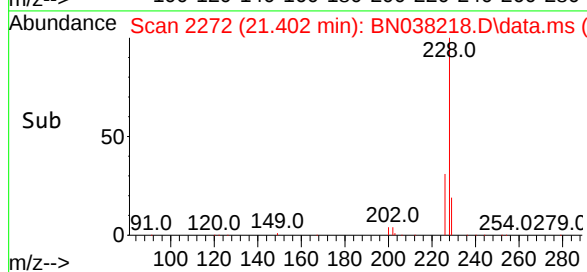
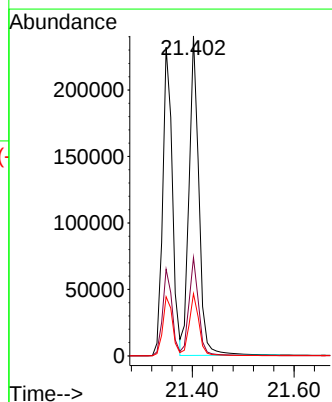
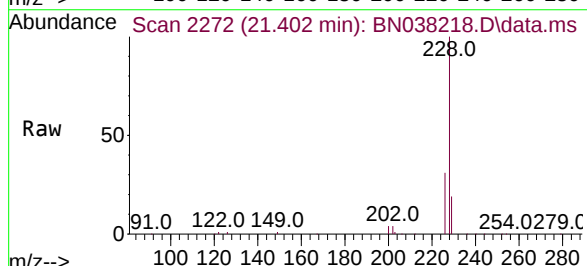
Tgt Ion:228 Resp: 322253

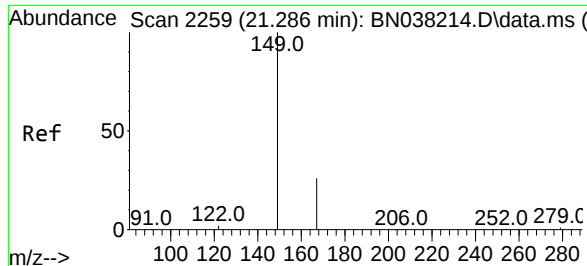
Ion Ratio Lower Upper

228 100

226 30.7 23.8 35.8

229 19.4 16.1 24.1

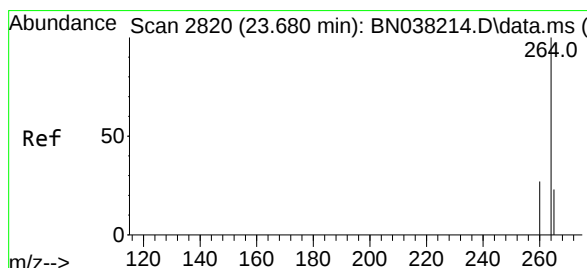
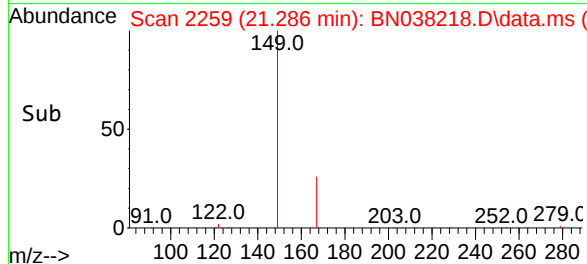
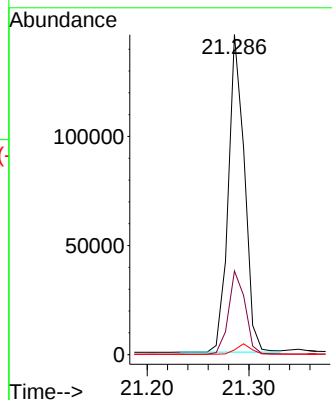
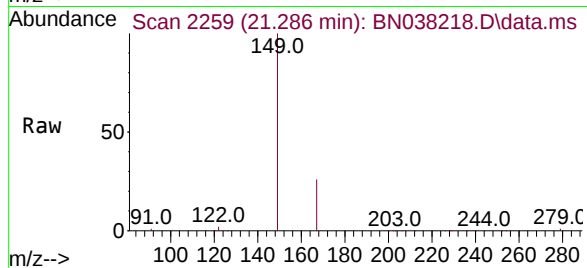




#34
Bis(2-ethylhexyl)phthalate
Concen: 5.026 ng
RT: 21.286 min Scan# 21
Delta R.T. 0.000 min
Lab File: BN038218.D
Acq: 27 Nov 2025 00:13

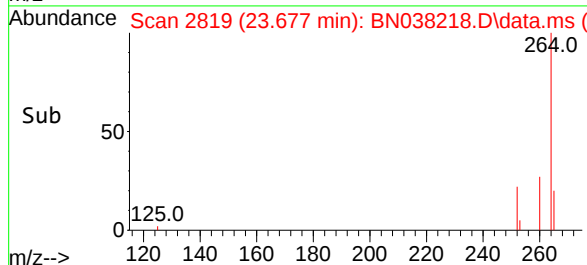
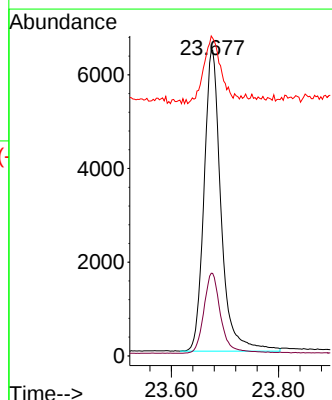
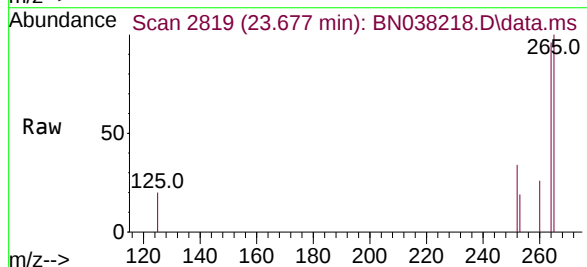
Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

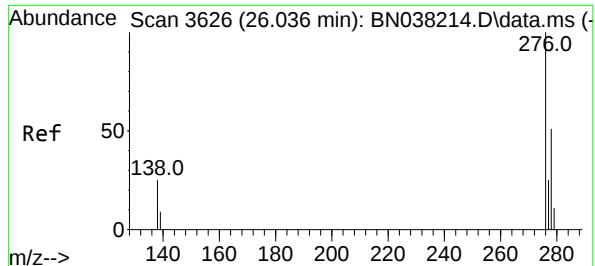
Tgt Ion:149 Resp: 160858
Ion Ratio Lower Upper
149 100
167 27.0 20.7 31.1
279 3.2 2.5 3.7



#35
Perylene-d12
Concen: 0.400 ng
RT: 23.677 min Scan# 2819
Delta R.T. -0.003 min
Lab File: BN038218.D
Acq: 27 Nov 2025 00:13

Tgt Ion:264 Resp: 14227
Ion Ratio Lower Upper
264 100
260 27.0 21.7 32.5
265 103.9 98.0 147.0





#36

Indeno(1,2,3-cd)pyrene

Concen: 5.295 ng

RT: 26.022 min Scan# 3626

Delta R.T. -0.015 min

Lab File: BN038218.D

Acq: 27 Nov 2025 00:13

Instrument :

BNA_N

ClientSampleId :

SSTDICC5.0

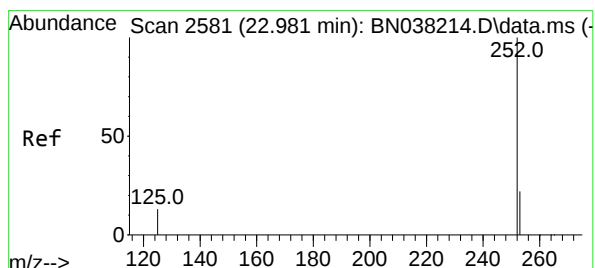
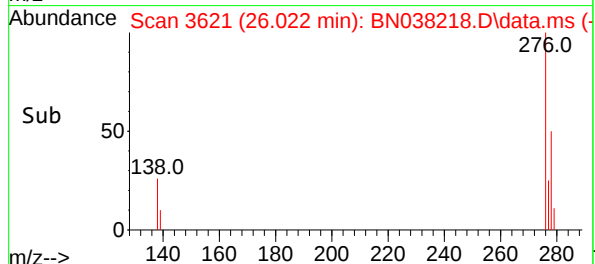
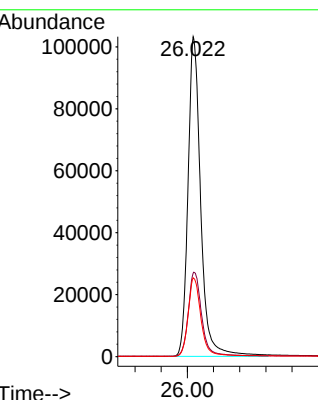
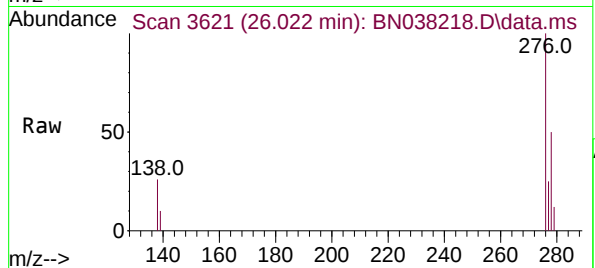
Tgt Ion:276 Resp: 348640

Ion Ratio Lower Upper

276 100

138 27.4 21.4 32.2

277 24.9 19.1 28.7



#37

Benzo(b)fluoranthene

Concen: 5.145 ng

RT: 22.975 min Scan# 2579

Delta R.T. -0.006 min

Lab File: BN038218.D

Acq: 27 Nov 2025 00:13

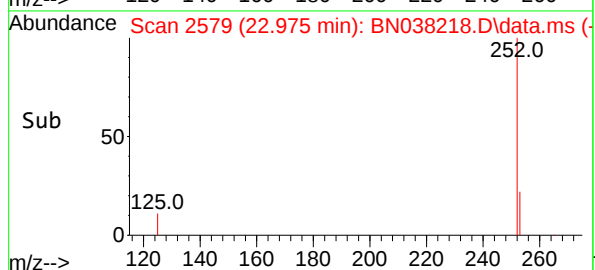
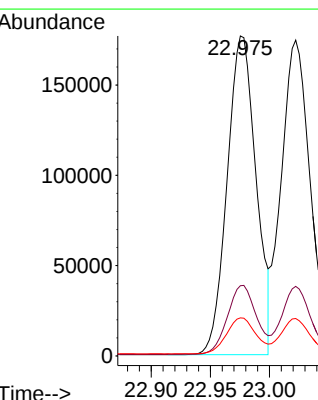
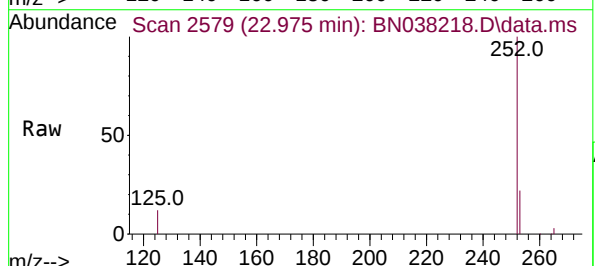
Tgt Ion:252 Resp: 300462

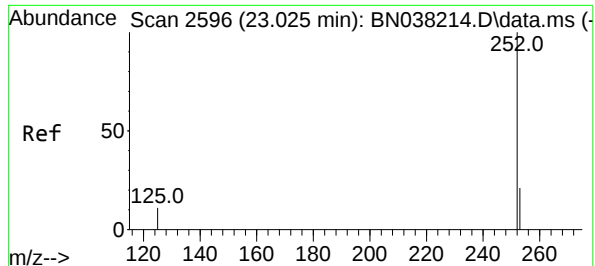
Ion Ratio Lower Upper

252 100

253 21.9 22.2 33.4#

125 11.9 18.0 27.0#





#38

Benzo(k)fluoranthene

Concen: 5.104 ng

RT: 23.022 min Scan# 21

Delta R.T. -0.003 min

Lab File: BN038218.D

Acq: 27 Nov 2025 00:13

Instrument :

BNA_N

ClientSampleId :

SSTDICC5.0

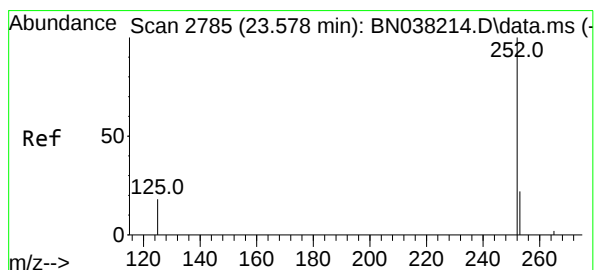
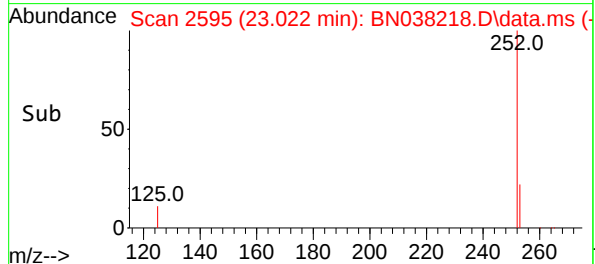
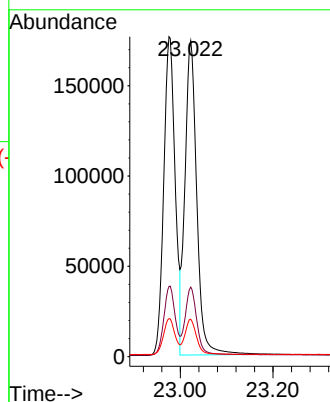
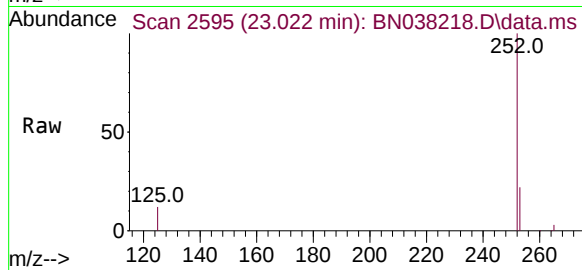
Tgt Ion:252 Resp: 309850

Ion Ratio Lower Upper

252 100

253 22.0 22.4 33.6#

125 11.8 17.5 26.3#



#39

Benzo(a)pyrene

Concen: 5.149 ng

RT: 23.575 min Scan# 2784

Delta R.T. -0.003 min

Lab File: BN038218.D

Acq: 27 Nov 2025 00:13

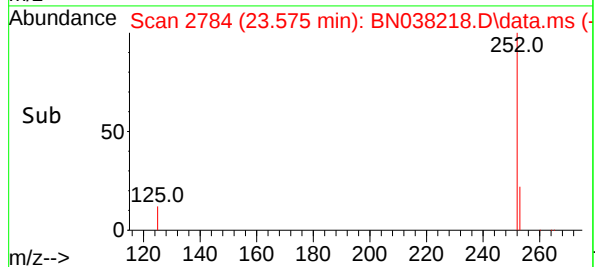
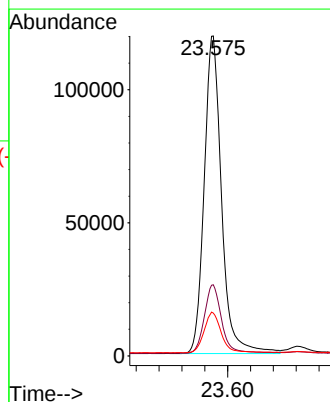
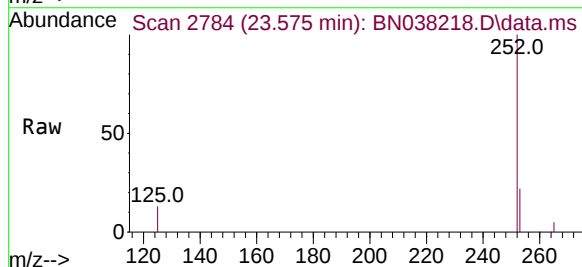
Tgt Ion:252 Resp: 252042

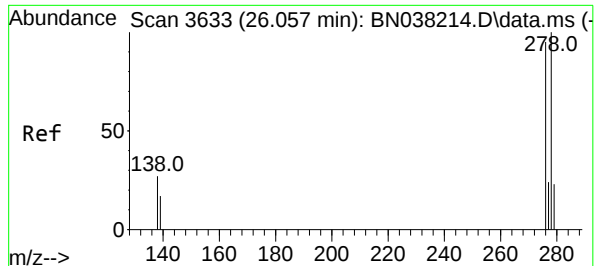
Ion Ratio Lower Upper

252 100

253 22.2 25.3 37.9#

125 13.4 25.2 37.8#





#40

Dibenzo(a,h)anthracene

Concen: 5.462 ng

RT: 26.042 min Scan# 3628

Delta R.T. -0.015 min

Lab File: BN038218.D

Acq: 27 Nov 2025 00:13

Instrument :

BNA_N

ClientSampleId :

SSTDICC5.0

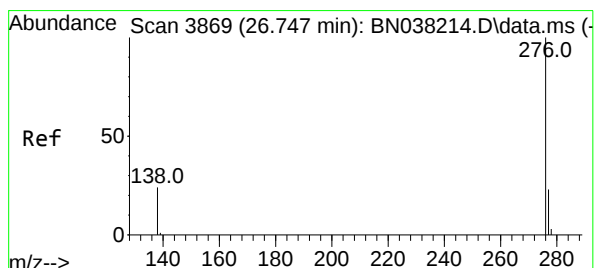
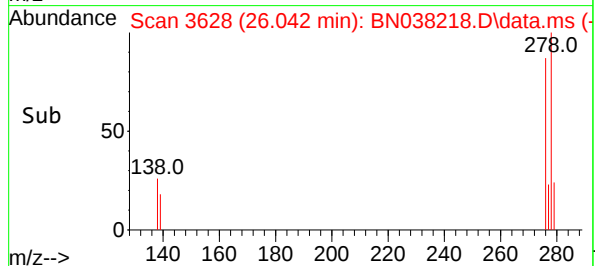
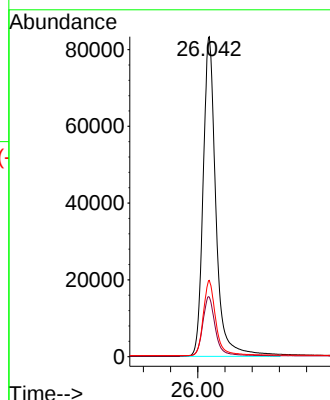
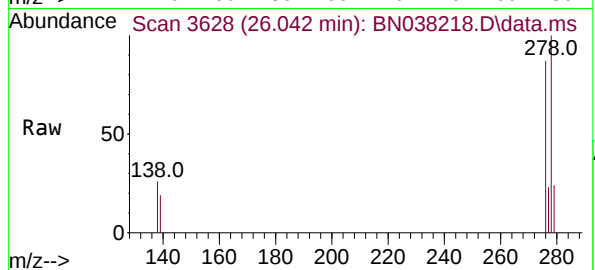
Tgt Ion:278 Resp: 272232

Ion Ratio Lower Upper

278 100

139 18.6 17.6 26.4

279 23.8 24.2 36.4#



#41

Benzo(g,h,i)perylene

Concen: 5.013 ng

RT: 26.741 min Scan# 3867

Delta R.T. -0.006 min

Lab File: BN038218.D

Acq: 27 Nov 2025 00:13

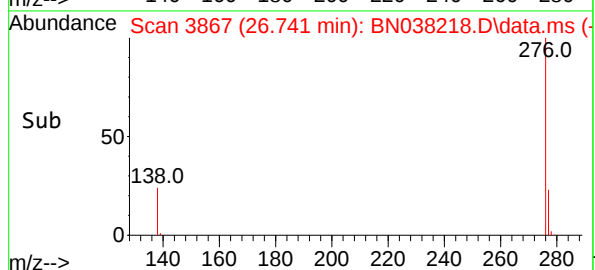
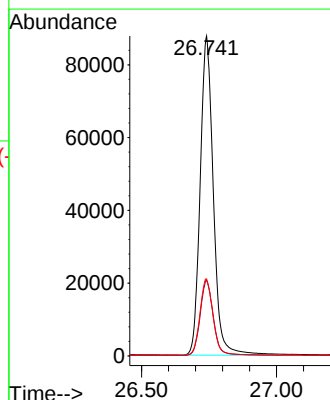
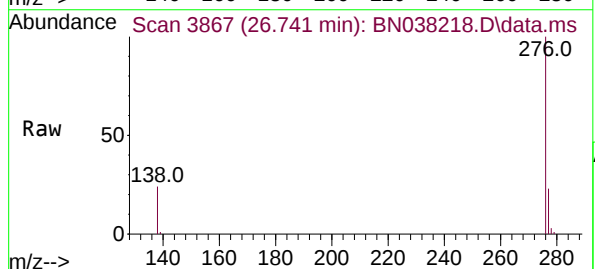
Tgt Ion:276 Resp: 296912

Ion Ratio Lower Upper

276 100

277 23.4 20.2 30.2

138 24.1 20.8 31.2



Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN112725\
 Data File : BN038219.D
 Acq On : 27 Nov 2025 00:49
 Operator : RC/JU
 Sample : SSTDICV0.4
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 ICVBN112725

Quant Time: Nov 28 20:56:34 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN112725.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Nov 28 20:22:09 2025
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.768	152	8286	0.400	ng	0.00
7) Naphthalene-d8	10.573	136	26445	0.400	ng	0.00
13) Acenaphthene-d10	14.430	164	15555	0.400	ng	0.00
19) Phenanthrene-d10	17.186	188	26160	0.400	ng	0.00
29) Chrysene-d12	21.366	240	14480	0.400	ng	0.00
35) Perylene-d12	23.677	264	13201	0.400	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.341	112	9400	0.485	ng	0.00
5) Phenol-d6	6.930	99	12758	0.527	ng	0.00
8) Nitrobenzene-d5	8.918	82	8931	0.422	ng	0.00
11) 2-Methylnaphthalene-d10	12.167	152	17680	0.471	ng	0.00
14) 2,4,6-Tribromophenol	15.932	330	2465	0.504	ng	0.00
15) 2-Fluorobiphenyl	13.051	172	27860	0.464	ng	0.00
27) Fluoranthene-d10	19.215	212	25558	0.450	ng	0.00
31) Terphenyl-d14	19.815	244	16070	0.481	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.254	88	3822	0.438	ng	98
3) n-Nitrosodimethylamine	3.557	42	4687	0.435	ng	# 99
6) bis(2-Chloroethyl)ether	7.190	93	11078	0.478	ng	98
9) Naphthalene	10.616	128	33280	0.453	ng	100
10) Hexachlorobutadiene	10.915	225	5553	0.445	ng	# 97
12) 2-Methylnaphthalene	12.243	142	22580	0.467	ng	100
16) Acenaphthylene	14.142	152	30627	0.440	ng	99
17) Acenaphthene	14.494	154	22117	0.456	ng	99
18) Fluorene	15.478	166	29030	0.463	ng	100
20) 4,6-Dinitro-2-methylph...	15.560	198	1331	0.648	ng	# 31
21) 4-Bromophenyl-phenylether	16.379	248	8311	0.459	ng	96
22) Hexachlorobenzene	16.491	284	10112	0.454	ng	99
23) Atrazine	16.652	200	4807	0.415	ng	98
24) Pentachlorophenol	16.838	266	3722	0.609	ng	98
25) Phenanthrene	17.223	178	37032	0.451	ng	100
26) Anthracene	17.310	178	31322	0.447	ng	99
28) Fluoranthene	19.243	202	35631	0.450	ng	99
30) Pyrene	19.610	202	34919	0.483	ng	99
32) Benzo(a)anthracene	21.357	228	22927	0.468	ng	99
33) Chrysene	21.402	228	26769	0.463	ng	98
34) Bis(2-ethylhexyl)phtha...	21.286	149	12409	0.462	ng	99
36) Indeno(1,2,3-cd)pyrene	26.031	276	28585	0.468	ng	99
37) Benzo(b)fluoranthene	22.978	252	24504	0.452	ng	96
38) Benzo(k)fluoranthene	23.025	252	26724	0.474	ng	96
39) Benzo(a)pyrene	23.578	252	20972	0.462	ng	95
40) Dibenzo(a,h)anthracene	26.051	278	21955	0.475	ng	96
41) Benzo(g,h,i)perylene	26.744	276	25311	0.461	ng	99

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

Instrument :
BNA_N
ClientSampleId :
ICVBN112725

Abundance

TIC: BN038219.D\data.ms

Time-->

70000

65000

60000

55000

50000

45000

40000

35000

30000

25000

20000

15000

10000

5000

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4.00

6.00

8.00

10.00

12.00

14.00

16.00

18.00

20.00

22.00

24.00

26.00

28.00

1,4-Dioxane

n-Nitrosodimethylamine

2-Fluorophenol,S

Phenol-d6,S

bis(2-Chloroethyl)ether

1,4-Dichlorobenzene-d4,I

Nitrobenzene-d5,S

Hexachlorobutadiene

Naphthalene-d8,I

Naphthalene

2-Methylnaphthalene-d10,S,URR

2-Methylnaphthalene

2-Fluorobiphenyl,S

Acenaphthylene

Acenaphthene-d10,I

Acenaphthene

Fluorene

Phenanthrene

Anthracene

Fluoranthene-d10,S,URR

Fluoranthene

Pyrene

Terphenyl-d14,S

Bis(2-ethylhexyl)phthalate

Chrysene-d12,S,URR

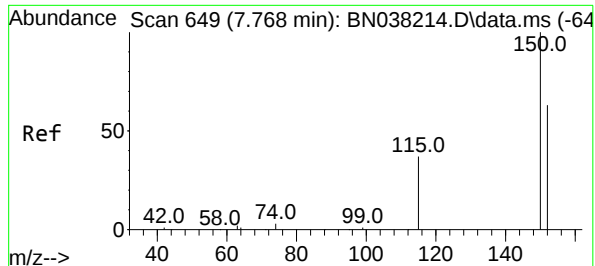
Benzo(a)anthracene

Benzo(a)fluoranthene

Perylene-Benzo(a)pyrene,C

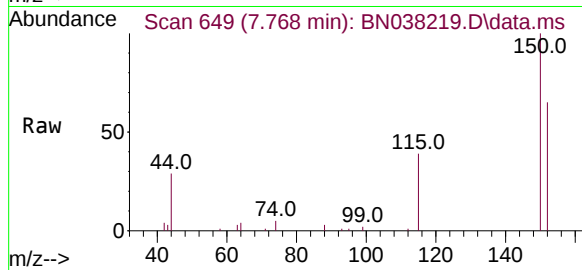
Indeno(1,2,3-cd)pyrene

Benzo(g,h,i)perylene

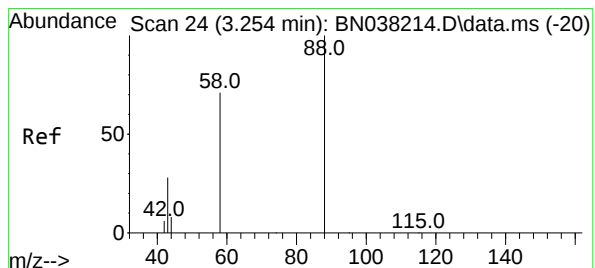
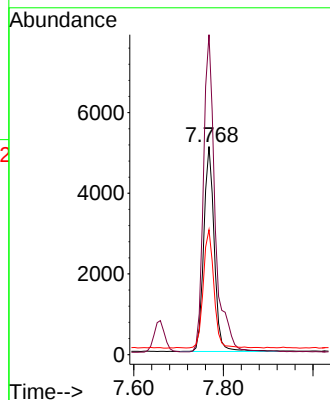
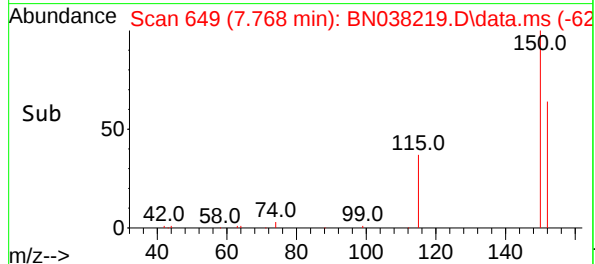


#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.768 min Scan# 64
Delta R.T. -0.000 min
Lab File: BN038219.D
Acq: 27 Nov 2025 00:49

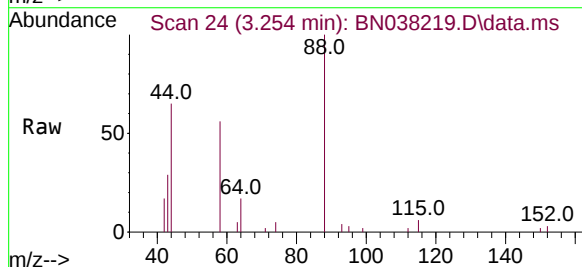
Instrument :
BNA_N
ClientSampleId :
ICVBN112725



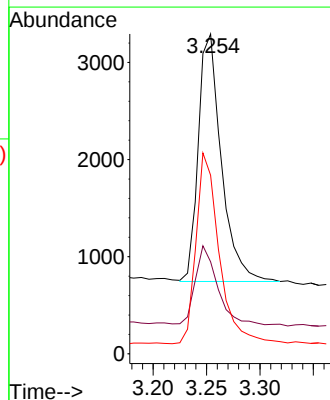
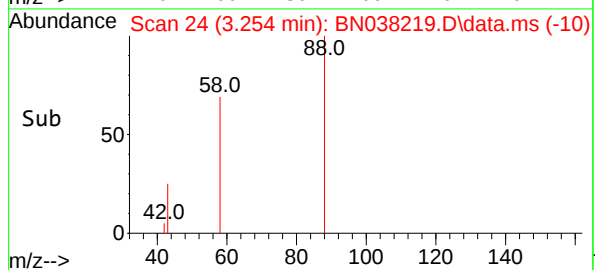
Tgt Ion:152 Resp: 8286
Ion Ratio Lower Upper
152 100
150 153.8 125.3 187.9
115 60.0 49.0 73.4

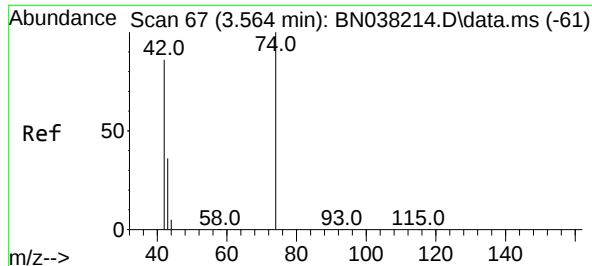


#2
1,4-Dioxane
Concen: 0.438 ng
RT: 3.254 min Scan# 24
Delta R.T. 0.000 min
Lab File: BN038219.D
Acq: 27 Nov 2025 00:49



Tgt Ion: 88 Resp: 3822
Ion Ratio Lower Upper
88 100
43 32.8 24.8 37.2
58 77.4 61.1 91.7

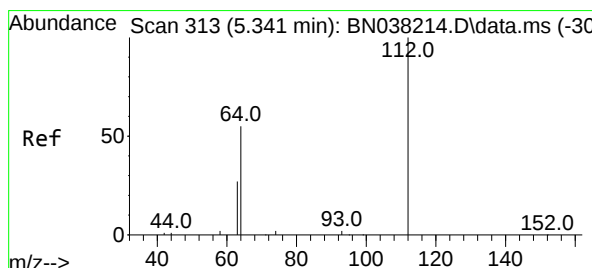
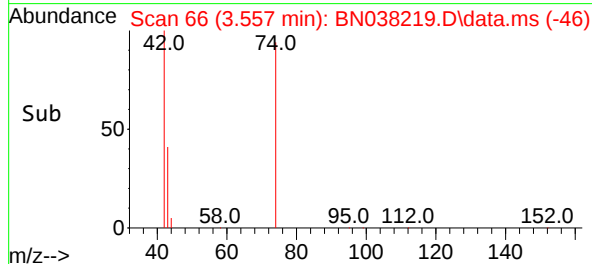
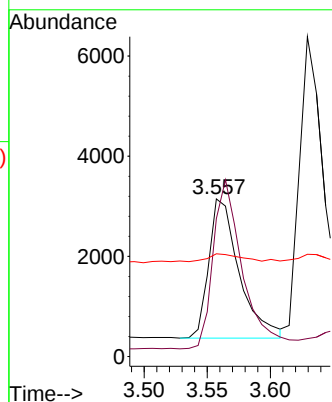
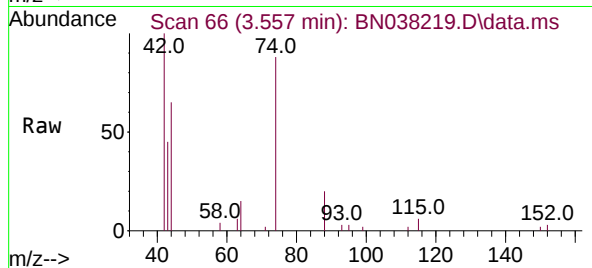




#3
n-Nitrosodimethylamine
Concen: 0.435 ng
RT: 3.557 min Scan# 60
Delta R.T. -0.007 min
Lab File: BN038219.D
Acq: 27 Nov 2025 00:49

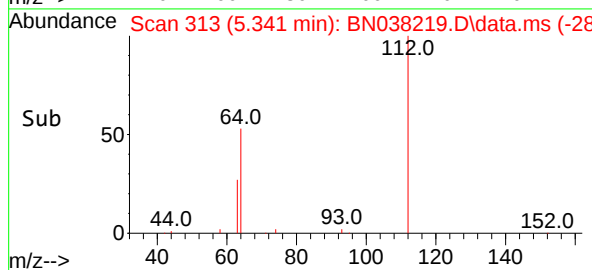
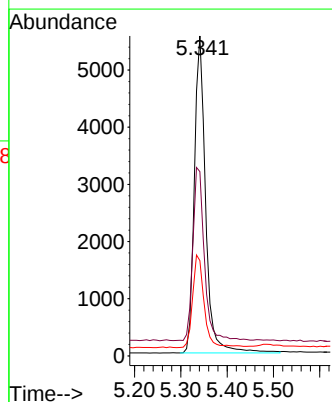
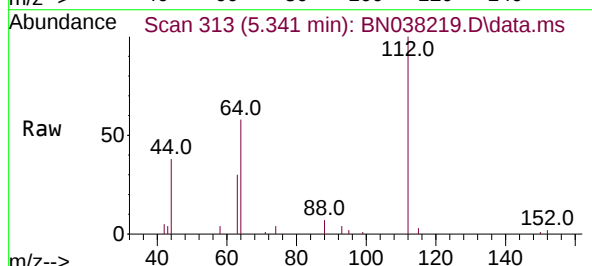
Instrument :
BNA_N
ClientSampleId :
ICVBN112725

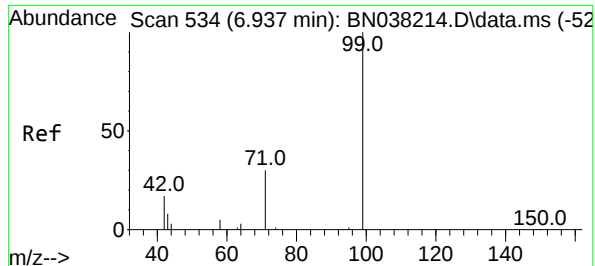
Tgt Ion: 42 Resp: 4687
Ion Ratio Lower Upper
42 100
74 119.2 96.2 144.2
44 7.0 8.0 12.0#



#4
2-Fluorophenol
Concen: 0.485 ng
RT: 5.341 min Scan# 313
Delta R.T. 0.000 min
Lab File: BN038219.D
Acq: 27 Nov 2025 00:49

Tgt Ion: 112 Resp: 9400
Ion Ratio Lower Upper
112 100
64 55.6 45.0 67.4
63 30.1 23.2 34.8

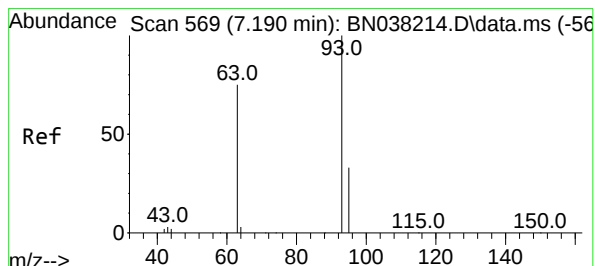
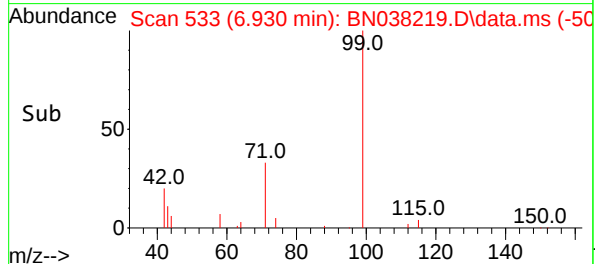
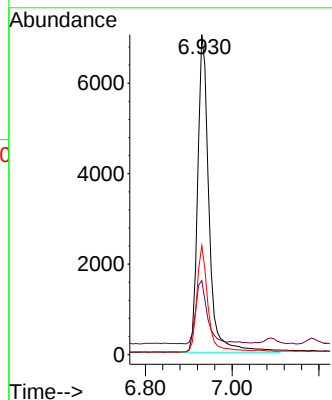
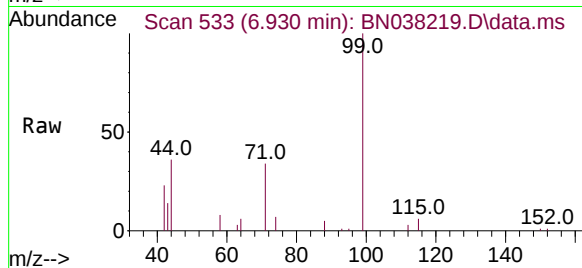




#5
Phenol-d6
Concen: 0.527 ng
RT: 6.930 min Scan# 534
Delta R.T. -0.007 min
Lab File: BN038219.D
Acq: 27 Nov 2025 00:49

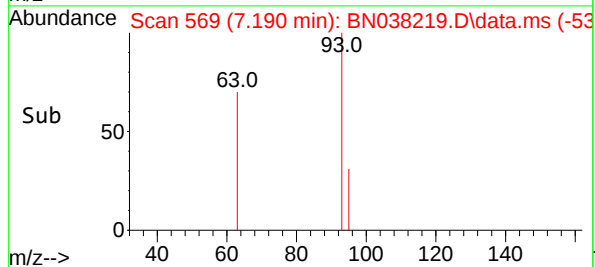
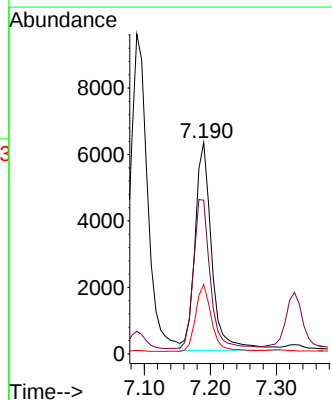
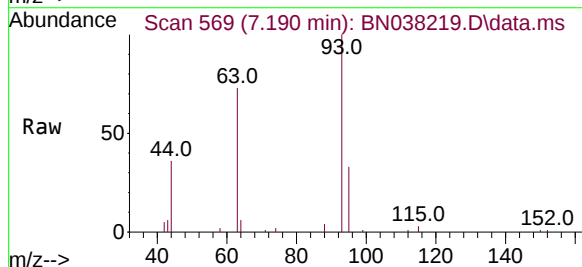
Instrument :
BNA_N
ClientSampleId :
ICVBN112725

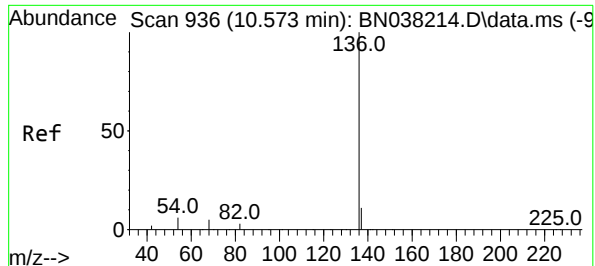
Tgt Ion: 99 Resp: 12758
Ion Ratio Lower Upper
99 100
42 20.3 17.0 25.6
71 32.7 25.4 38.2



#6
bis(2-Chloroethyl)ether
Concen: 0.478 ng
RT: 7.190 min Scan# 569
Delta R.T. 0.000 min
Lab File: BN038219.D
Acq: 27 Nov 2025 00:49

Tgt Ion: 93 Resp: 11078
Ion Ratio Lower Upper
93 100
63 70.6 58.1 87.1
95 30.5 25.1 37.7

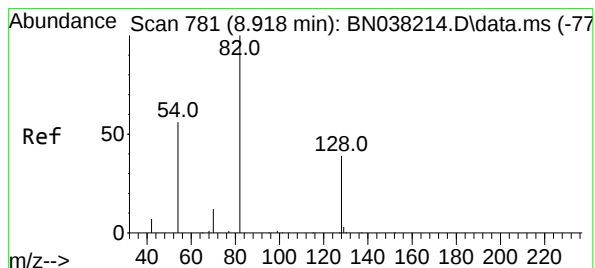
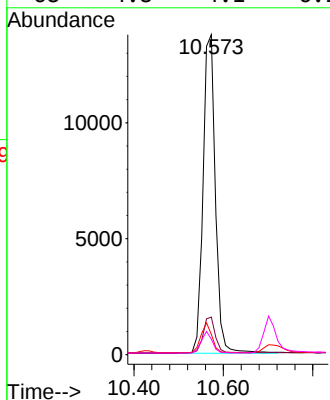
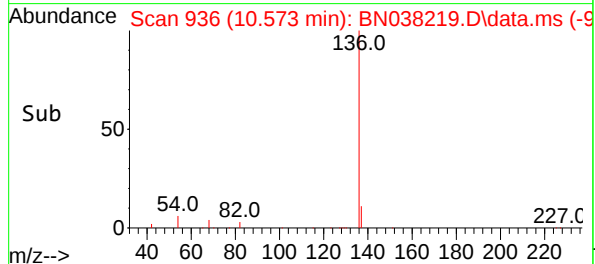
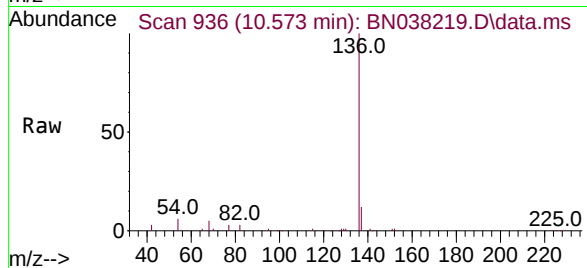




#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.573 min Scan# 936
Delta R.T. 0.000 min
Lab File: BN038219.D
Acq: 27 Nov 2025 00:49

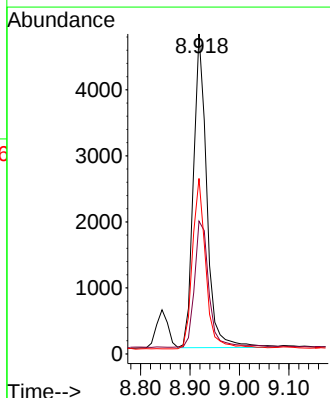
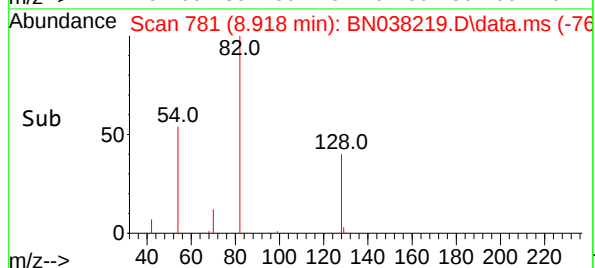
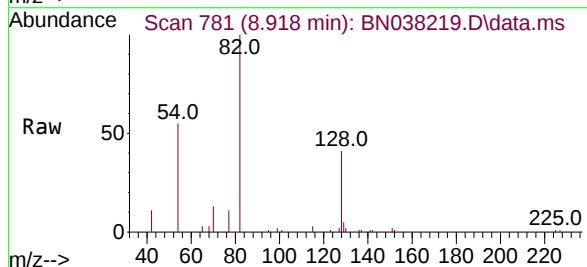
Instrument :
BNA_N
ClientSampleId :
ICVBN112725

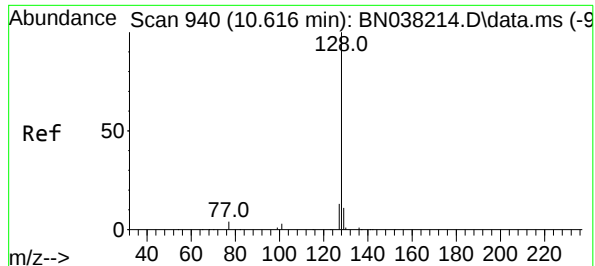
Tgt Ion:	136	Resp:	26445
Ion	Ratio	Lower	Upper
136	100		
137	11.7	8.9	13.3
54	6.3	5.4	8.0
68	4.8	4.1	6.1



#8
Nitrobenzene-d5
Concen: 0.422 ng
RT: 8.918 min Scan# 781
Delta R.T. 0.000 min
Lab File: BN038219.D
Acq: 27 Nov 2025 00:49

Tgt Ion:	82	Resp:	8931
Ion	Ratio	Lower	Upper
82	100		
128	41.5	32.6	48.8
54	54.8	45.4	68.0

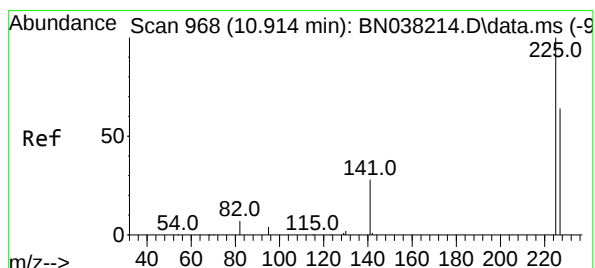
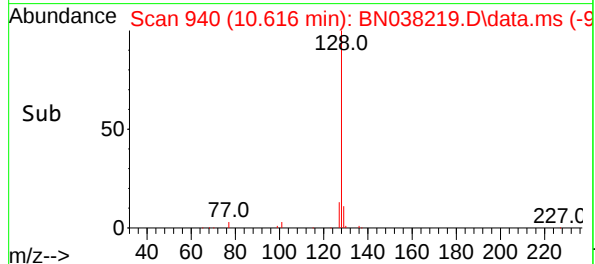
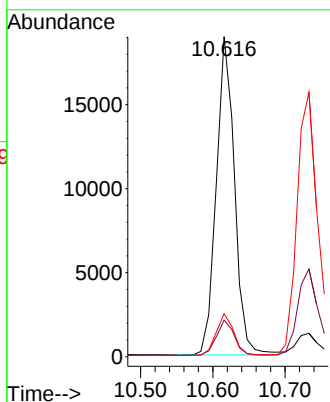
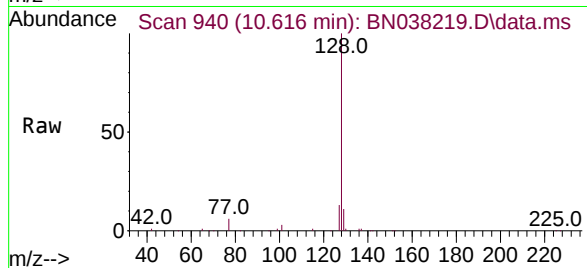




#9
Naphthalene
Concen: 0.453 ng
RT: 10.616 min Scan# 940
Delta R.T. 0.000 min
Lab File: BN038219.D
Acq: 27 Nov 2025 00:49

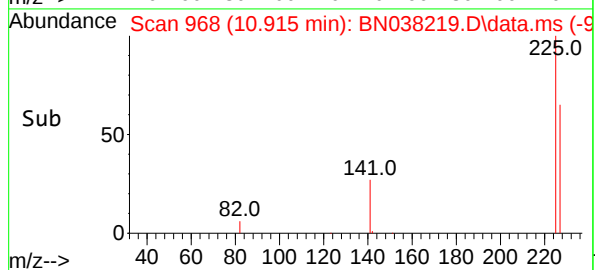
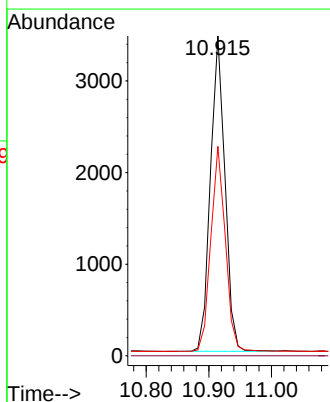
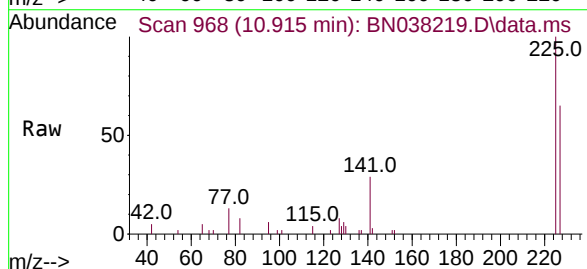
Instrument :
BNA_N
ClientSampleId :
ICVBN112725

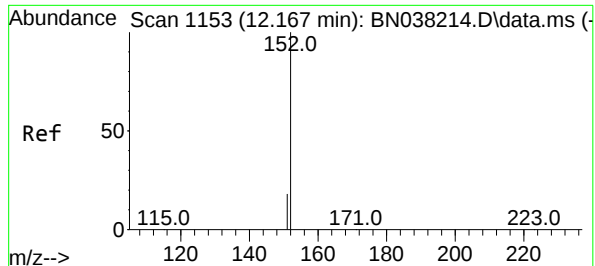
Tgt Ion:128 Resp: 33280
Ion Ratio Lower Upper
128 100
129 11.4 9.1 13.7
127 13.4 10.6 16.0



#10
Hexachlorobutadiene
Concen: 0.445 ng
RT: 10.915 min Scan# 968
Delta R.T. 0.000 min
Lab File: BN038219.D
Acq: 27 Nov 2025 00:49

Tgt Ion:225 Resp: 5553
Ion Ratio Lower Upper
225 100
223 0.0 0.0 0.0
227 65.2 50.5 75.7

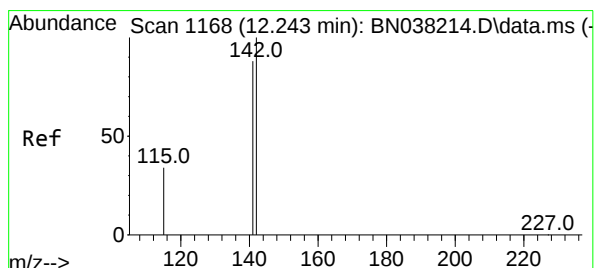
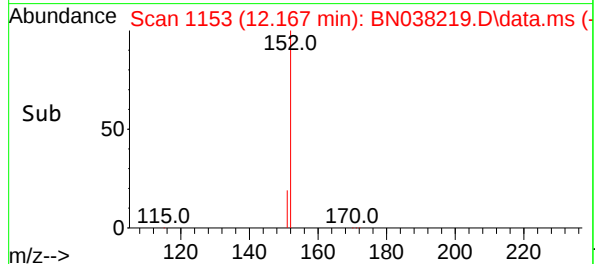
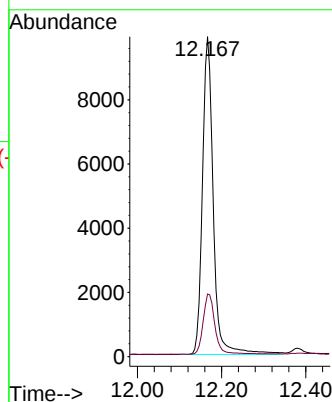
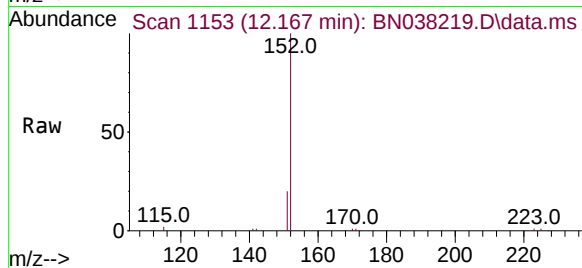




#11
2-Methylnaphthalene-d10
Concen: 0.471 ng
RT: 12.167 min Scan# 1153
Delta R.T. 0.000 min
Lab File: BN038219.D
Acq: 27 Nov 2025 00:49

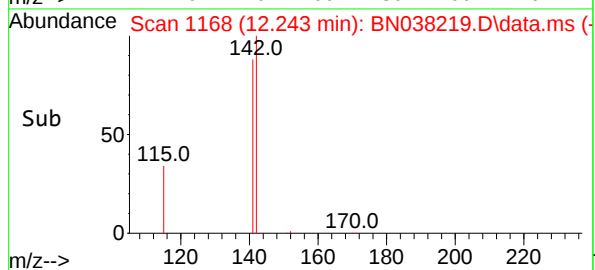
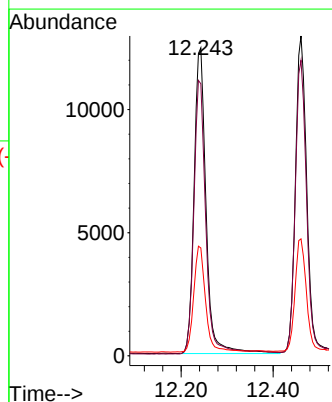
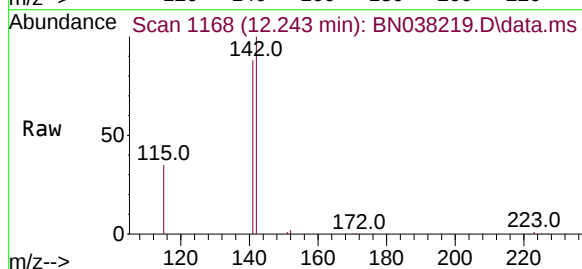
Instrument :
BNA_N
ClientSampleId :
ICVBN112725

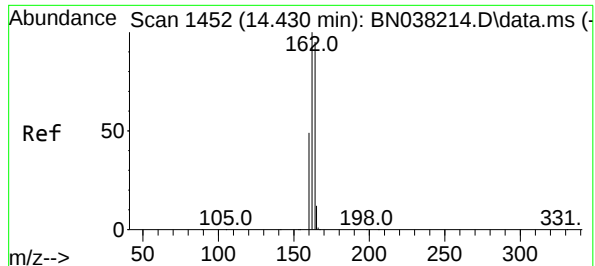
Tgt Ion:152 Resp: 17680
Ion Ratio Lower Upper
152 100
151 20.6 16.7 25.1



#12
2-Methylnaphthalene
Concen: 0.467 ng
RT: 12.243 min Scan# 1168
Delta R.T. -0.000 min
Lab File: BN038219.D
Acq: 27 Nov 2025 00:49

Tgt Ion:142 Resp: 22580
Ion Ratio Lower Upper
142 100
141 88.3 70.9 106.3
115 35.0 27.7 41.5

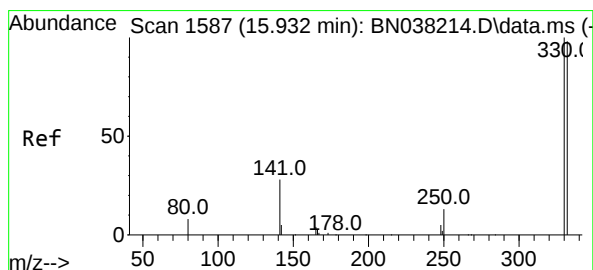
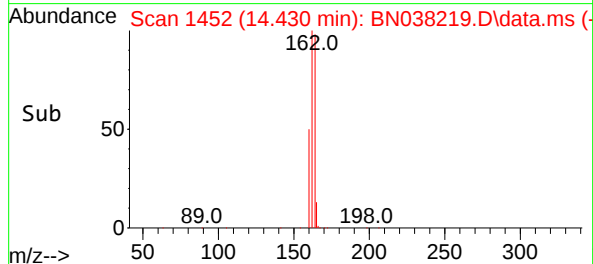
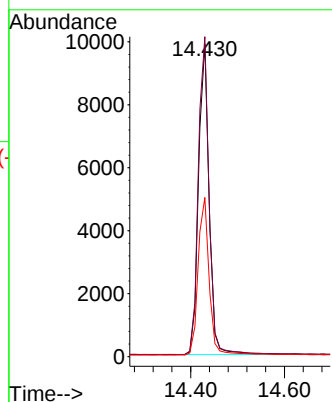
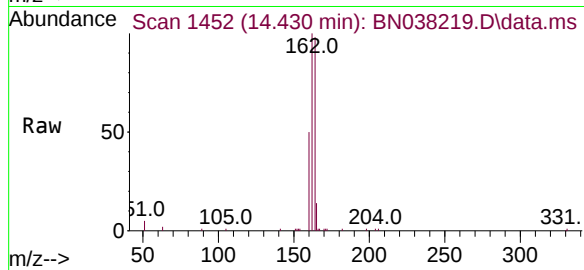




#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.430 min Scan# 1452
Delta R.T. 0.000 min
Lab File: BN038219.D
Acq: 27 Nov 2025 00:49

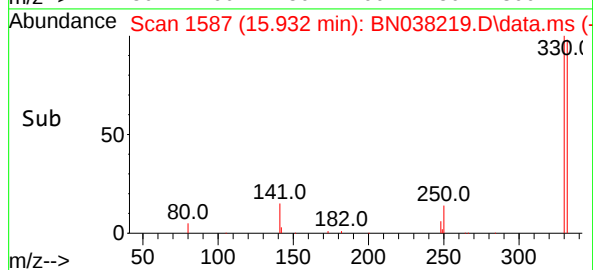
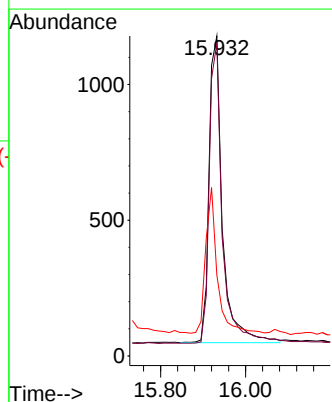
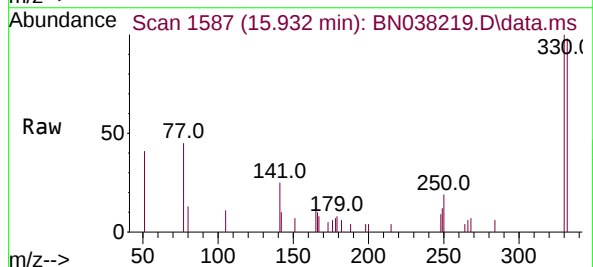
Instrument :
BNA_N
ClientSampleId :
ICVBN112725

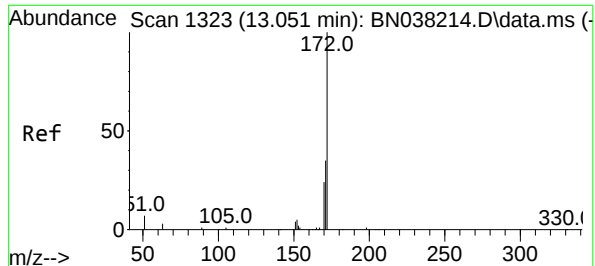
Tgt Ion	164	162	160
Resp:	15555	102.3	50.9
Lower		83.8	41.6
Upper		125.8	62.4



#14
2,4,6-Tribromophenol
Concen: 0.504 ng
RT: 15.932 min Scan# 1587
Delta R.T. 0.000 min
Lab File: BN038219.D
Acq: 27 Nov 2025 00:49

Tgt Ion	330	332	141
Resp:	2465	95.5	41.0
Lower		77.8	33.0
Upper		116.6	49.4





#15

2-Fluorobiphenyl

Concen: 0.464 ng

RT: 13.051 min Scan# 1323

Delta R.T. 0.000 min

Lab File: BN038219.D

Acq: 27 Nov 2025 00:49

Instrument :

BNA_N

ClientSampleId :

ICVBN112725

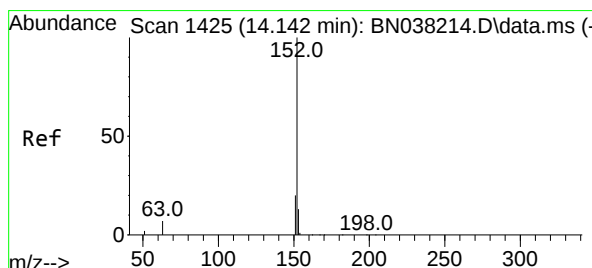
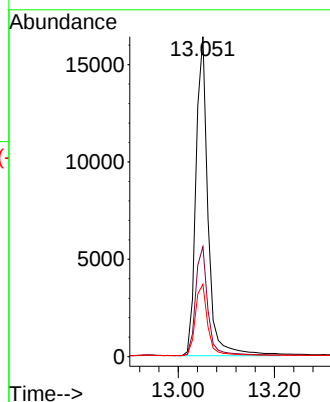
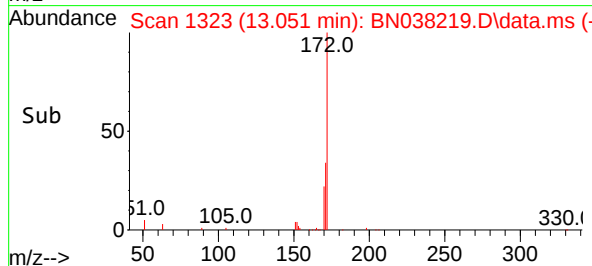
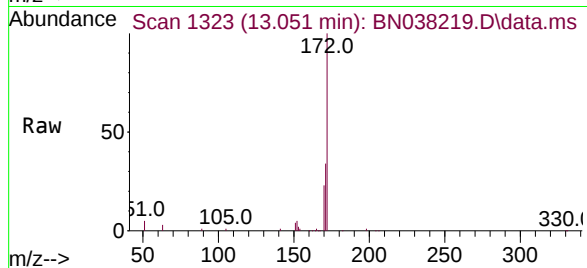
Tgt Ion:172 Resp: 27860

Ion Ratio Lower Upper

172 100

171 34.4 28.1 42.1

170 22.6 19.1 28.7



#16

Acenaphthylene

Concen: 0.440 ng

RT: 14.142 min Scan# 1425

Delta R.T. 0.000 min

Lab File: BN038219.D

Acq: 27 Nov 2025 00:49

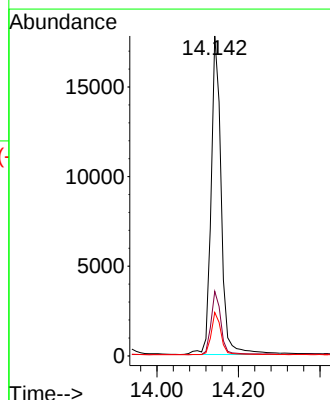
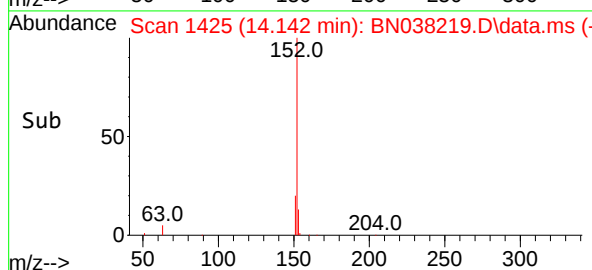
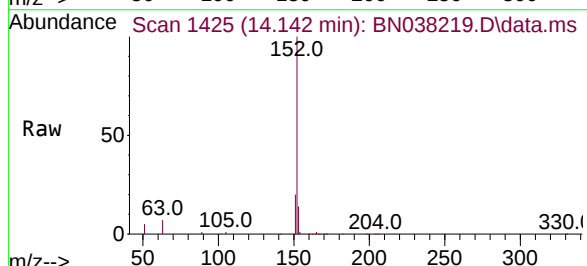
Tgt Ion:152 Resp: 30627

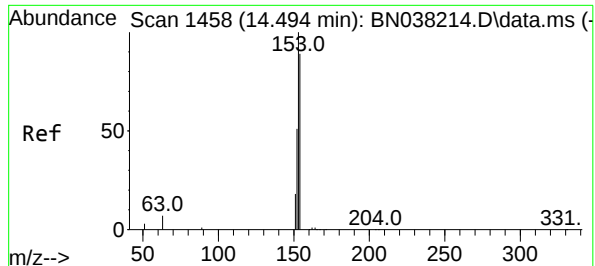
Ion Ratio Lower Upper

152 100

151 19.7 15.6 23.4

153 12.9 10.6 15.8

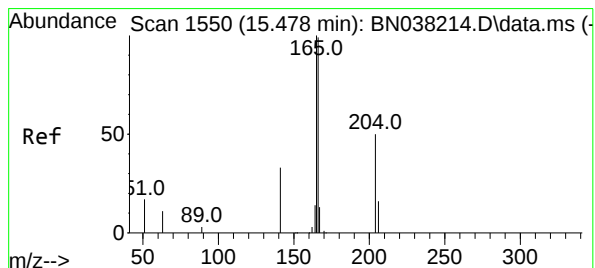
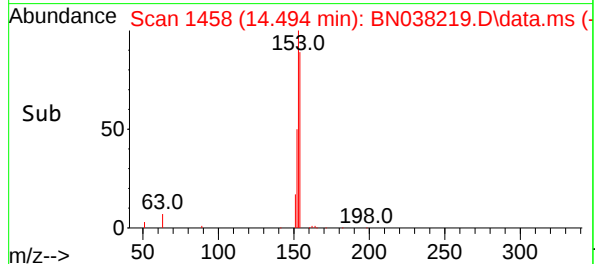
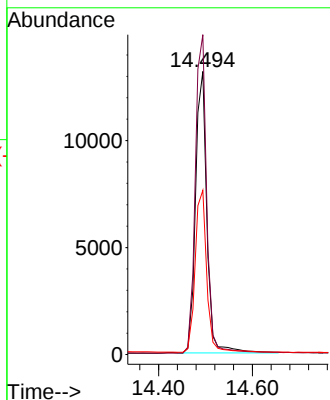
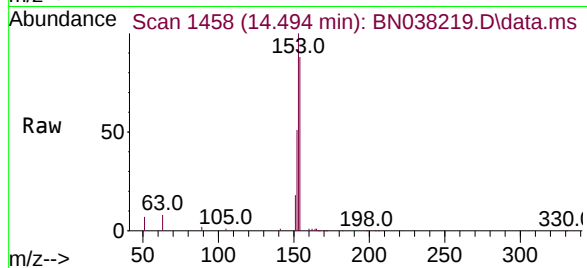




#17
Acenaphthene
Concen: 0.456 ng
RT: 14.494 min Scan# 1458
Delta R.T. 0.000 min
Lab File: BN038219.D
Acq: 27 Nov 2025 00:49

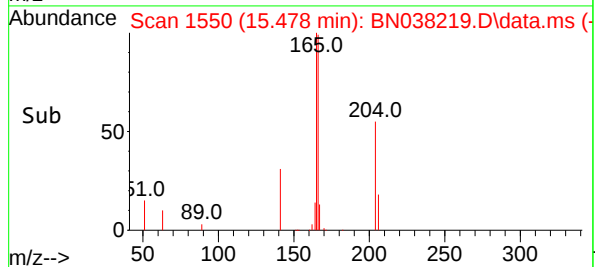
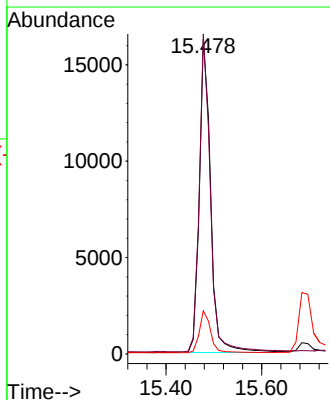
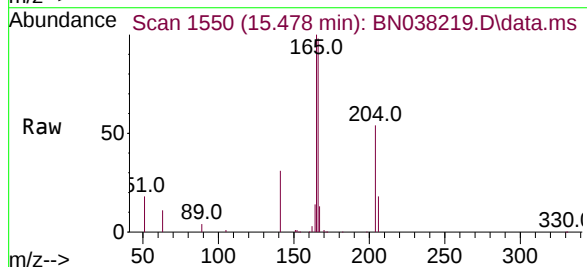
Instrument :
BNA_N
ClientSampleId :
ICVBN112725

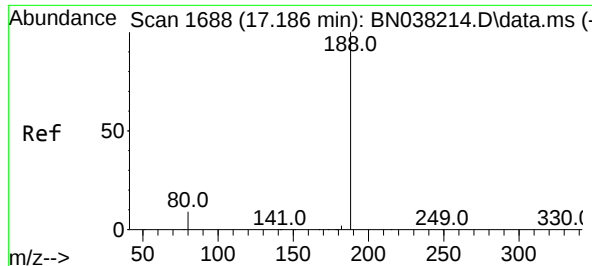
Tgt Ion:154 Resp: 22117
Ion Ratio Lower Upper
154 100
153 113.5 91.1 136.7
152 58.7 48.2 72.2



#18
Fluorene
Concen: 0.463 ng
RT: 15.478 min Scan# 1550
Delta R.T. 0.000 min
Lab File: BN038219.D
Acq: 27 Nov 2025 00:49

Tgt Ion:166 Resp: 29030
Ion Ratio Lower Upper
166 100
165 98.1 78.7 118.1
167 13.1 10.9 16.3





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 17.186 min Scan# 1688

Delta R.T. 0.000 min

Lab File: BN038219.D

Acq: 27 Nov 2025 00:49

Instrument :

BNA_N

ClientSampleId :

ICVBN112725

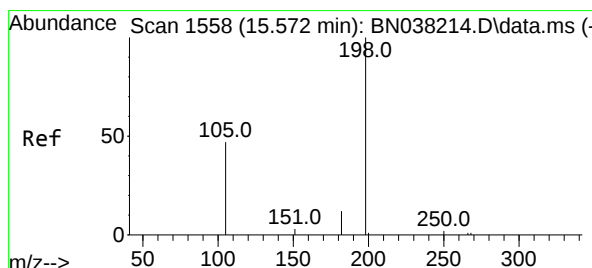
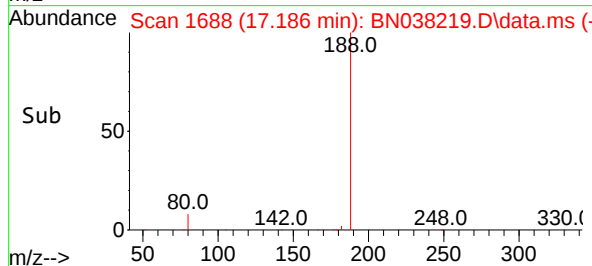
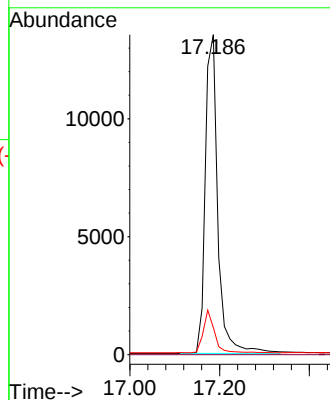
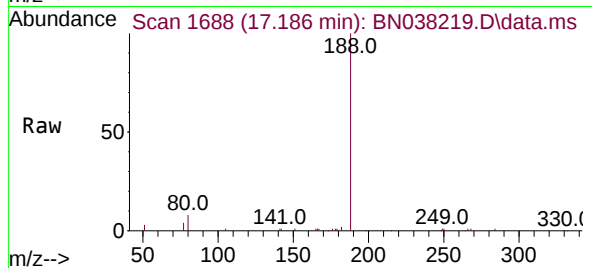
Tgt Ion:188 Resp: 26160

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

80 8.5 7.7 11.5



#20

4,6-Dinitro-2-methylphenol

Concen: 0.648 ng

RT: 15.560 min Scan# 1557

Delta R.T. -0.012 min

Lab File: BN038219.D

Acq: 27 Nov 2025 00:49

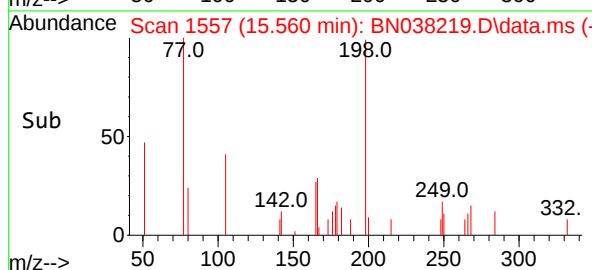
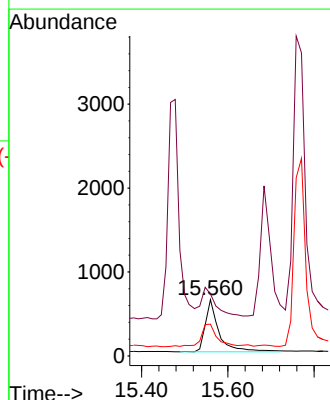
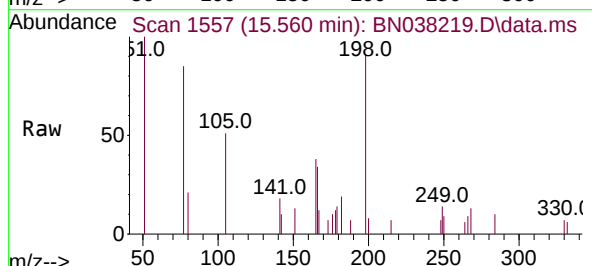
Tgt Ion:198 Resp: 1331

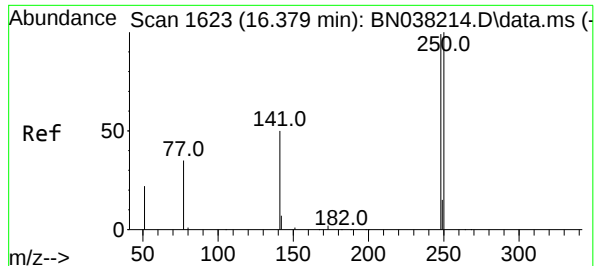
Ion Ratio Lower Upper

198 100

51 110.3 205.1 307.7#

105 56.5 61.6 92.4#

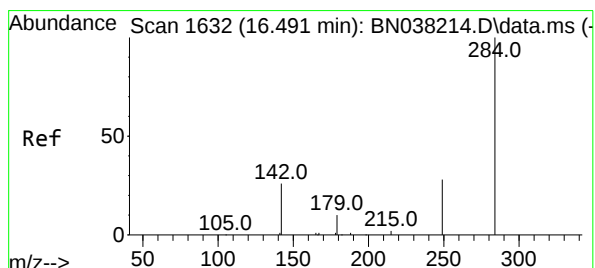
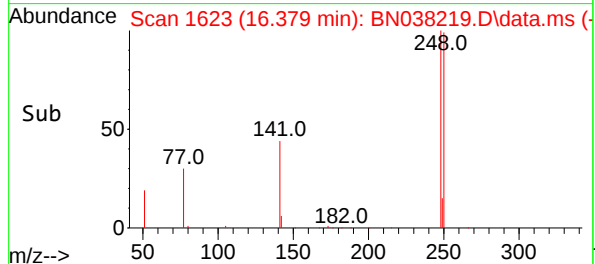
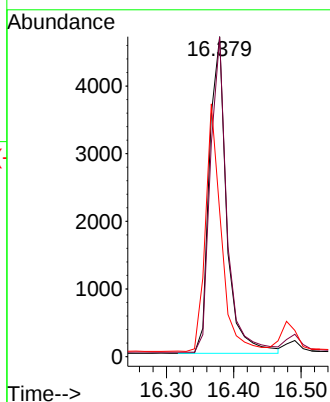
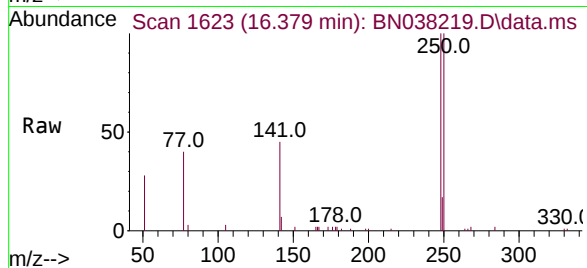




#21
4-Bromophenyl-phenylether
Concen: 0.459 ng
RT: 16.379 min Scan# 1623
Delta R.T. 0.000 min
Lab File: BN038219.D
Acq: 27 Nov 2025 00:49

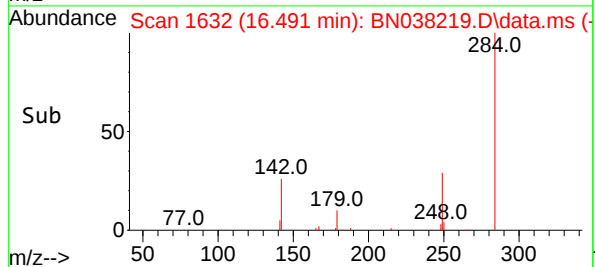
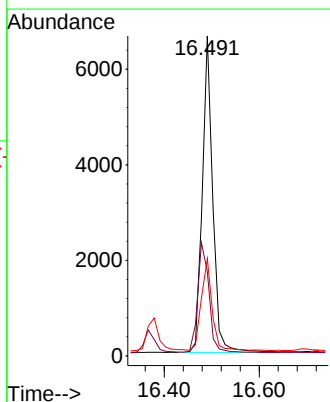
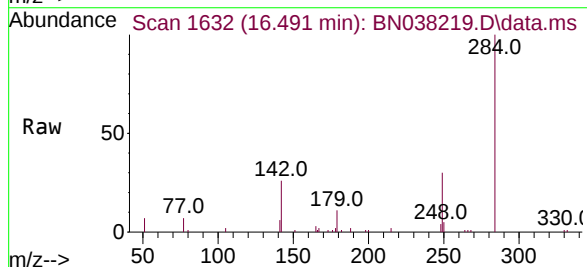
Instrument :
BNA_N
ClientSampleId :
ICVBN112725

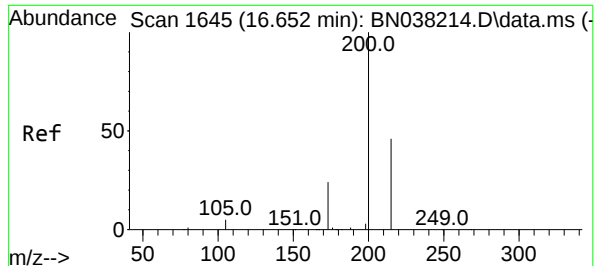
Tgt Ion	Ratio	Lower	Upper
248	100		
250	99.8	80.8	121.2
141	45.4	41.0	61.6



#22
Hexachlorobenzene
Concen: 0.454 ng
RT: 16.491 min Scan# 1632
Delta R.T. 0.000 min
Lab File: BN038219.D
Acq: 27 Nov 2025 00:49

Tgt Ion	Ratio	Lower	Upper
284	100		
142	37.4	30.5	45.7
249	29.9	23.8	35.8

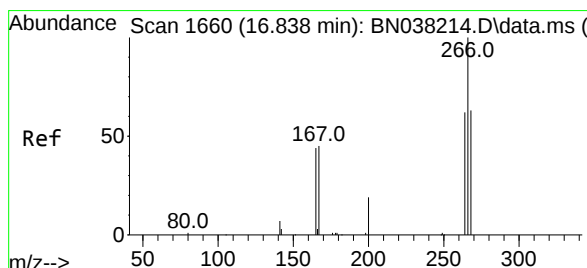
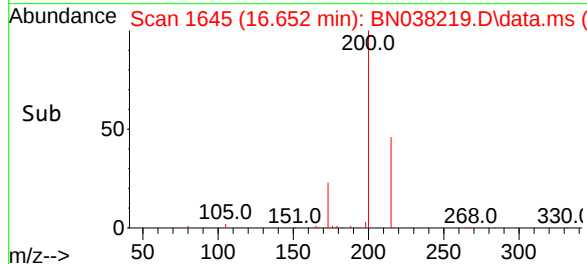
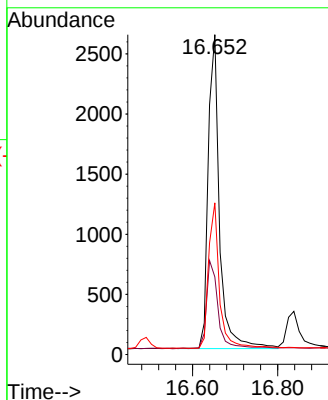
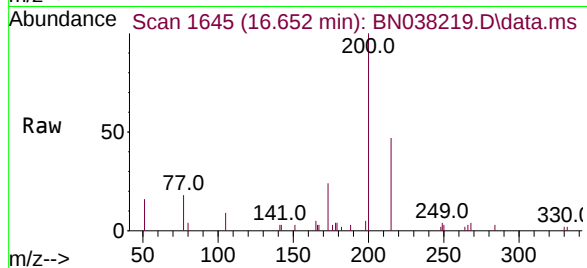




#23
Atrazine
Concen: 0.415 ng
RT: 16.652 min Scan# 1645
Delta R.T. 0.000 min
Lab File: BN038219.D
Acq: 27 Nov 2025 00:49

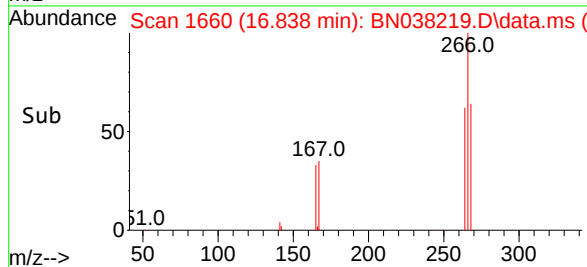
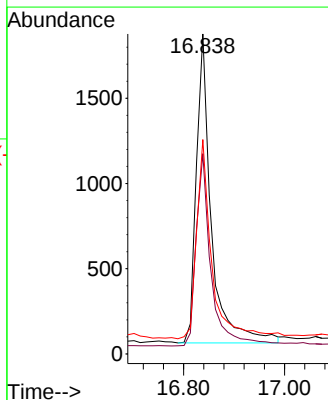
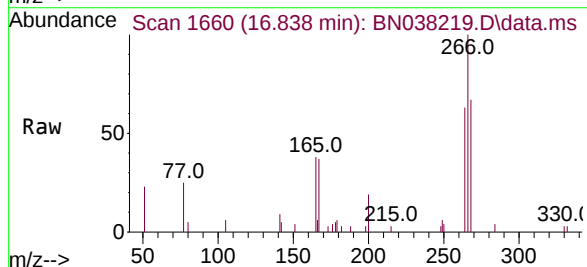
Instrument :
BNA_N
ClientSampleId :
ICVBN112725

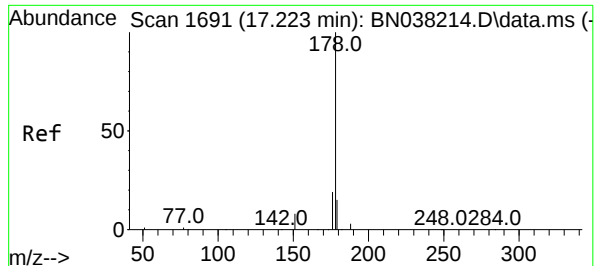
Tgt Ion	200	Resp:	4807
Ion Ratio	Lower	Upper	
200	100		
173	24.2	21.0	31.6
215	47.4	37.8	56.8



#24
Pentachlorophenol
Concen: 0.609 ng
RT: 16.838 min Scan# 1660
Delta R.T. 0.000 min
Lab File: BN038219.D
Acq: 27 Nov 2025 00:49

Tgt Ion	266	Resp:	3722
Ion Ratio	Lower	Upper	
266	100		
264	62.0	48.9	73.3
268	64.9	50.2	75.2

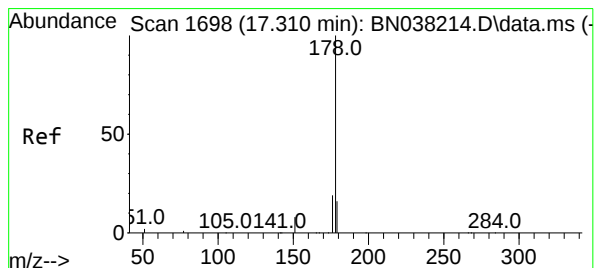
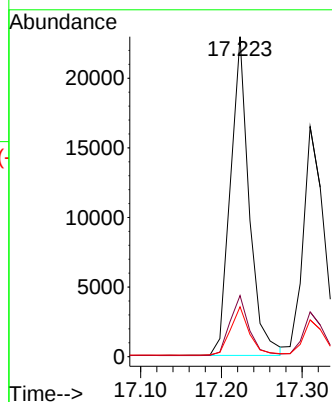
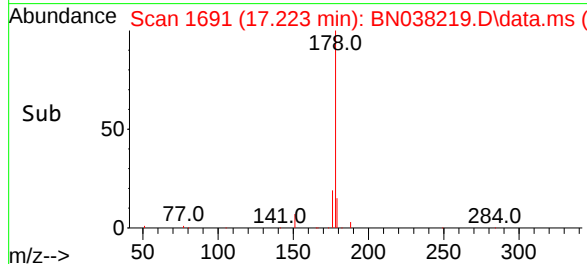
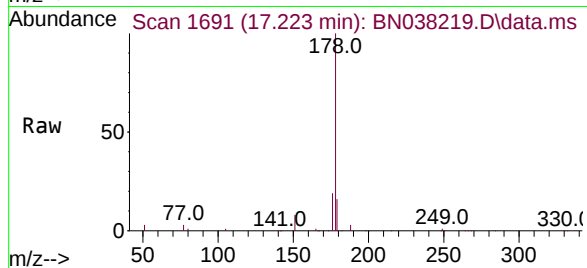




#25
Phenanthrene
Concen: 0.451 ng
RT: 17.223 min Scan# 1691
Delta R.T. 0.000 min
Lab File: BN038219.D
Acq: 27 Nov 2025 00:49

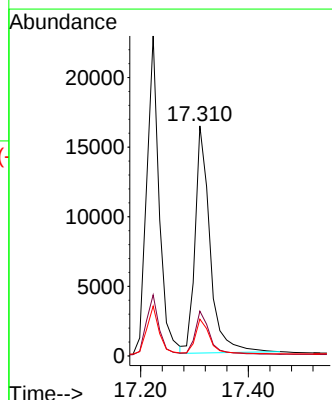
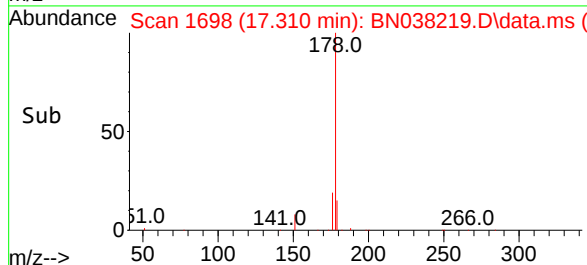
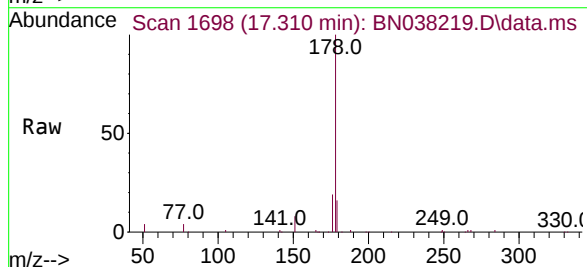
Instrument :
BNA_N
ClientSampleId :
ICVBN112725

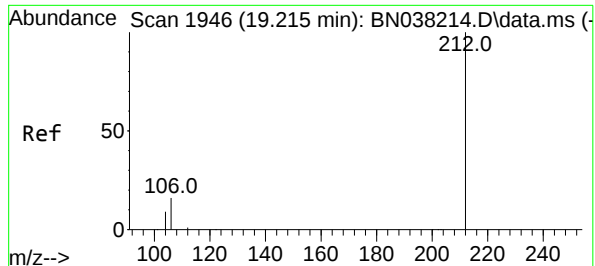
Tgt Ion:178 Resp: 37032
Ion Ratio Lower Upper
178 100
176 19.1 15.3 22.9
179 15.3 12.0 18.0



#26
Anthracene
Concen: 0.447 ng
RT: 17.310 min Scan# 1698
Delta R.T. 0.000 min
Lab File: BN038219.D
Acq: 27 Nov 2025 00:49

Tgt Ion:178 Resp: 31322
Ion Ratio Lower Upper
178 100
176 19.0 14.7 22.1
179 15.1 12.3 18.5





#27

Fluoranthene-d10

Concen: 0.450 ng

RT: 19.215 min Scan# 1946

Delta R.T. 0.000 min

Lab File: BN038219.D

Acq: 27 Nov 2025 00:49

Instrument :

BNA_N

ClientSampleId :

ICVBN112725

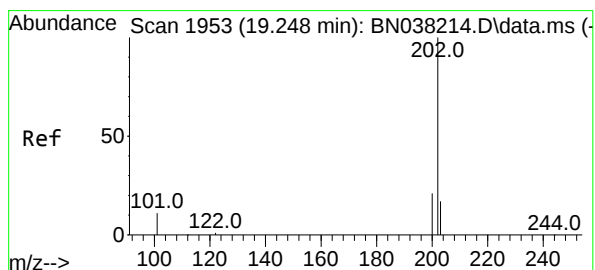
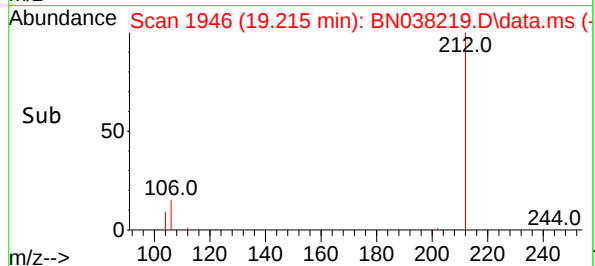
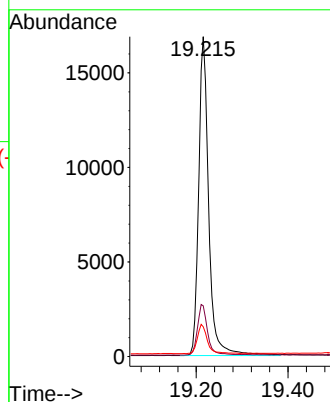
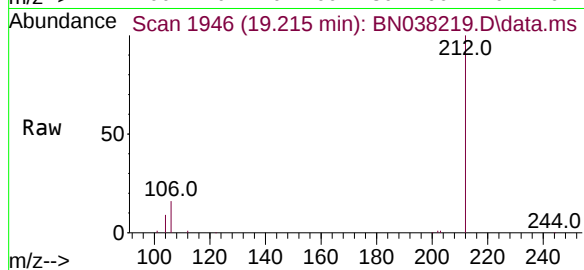
Tgt Ion:212 Resp: 25558

Ion Ratio Lower Upper

212 100

106 16.1 12.7 19.1

104 9.1 7.3 10.9



#28

Fluoranthene

Concen: 0.450 ng

RT: 19.243 min Scan# 1952

Delta R.T. -0.005 min

Lab File: BN038219.D

Acq: 27 Nov 2025 00:49

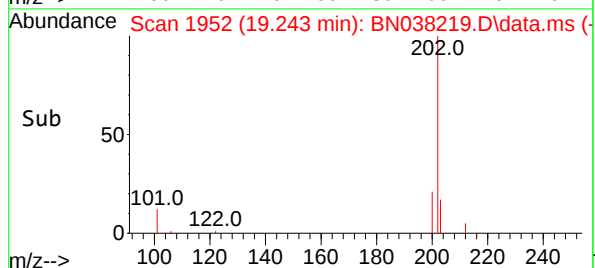
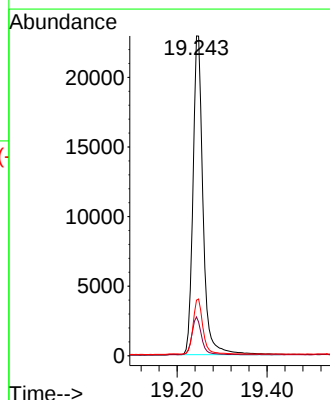
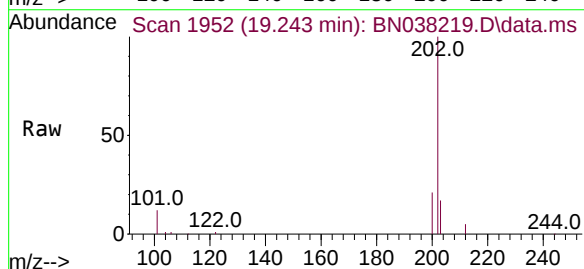
Tgt Ion:202 Resp: 35631

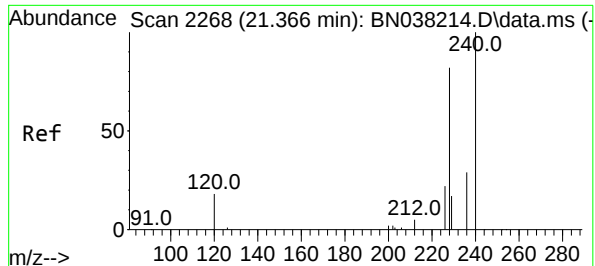
Ion Ratio Lower Upper

202 100

101 11.9 9.8 14.6

203 16.8 13.6 20.4





#29

Chrysene-d12

Concen: 0.400 ng

RT: 21.366 min Scan# 21

Delta R.T. 0.000 min

Lab File: BN038219.D

Acq: 27 Nov 2025 00:49

Instrument :

BNA_N

ClientSampleId :

ICVBN112725

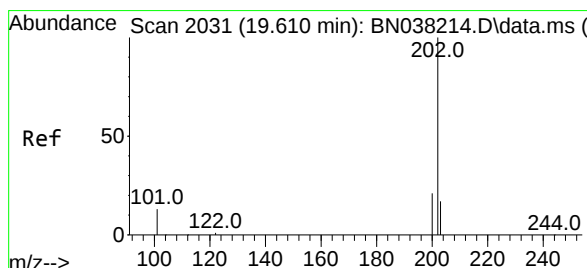
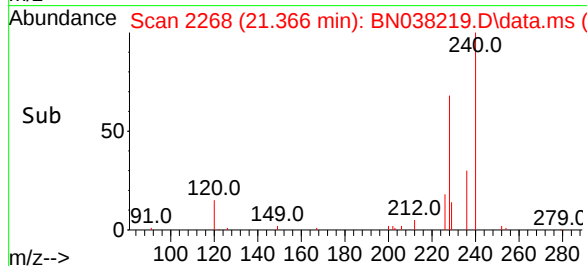
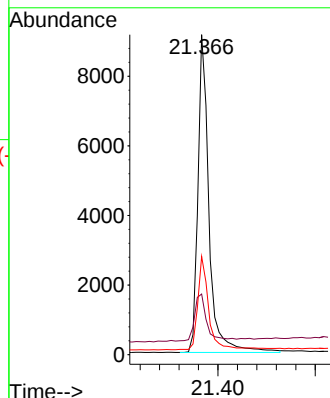
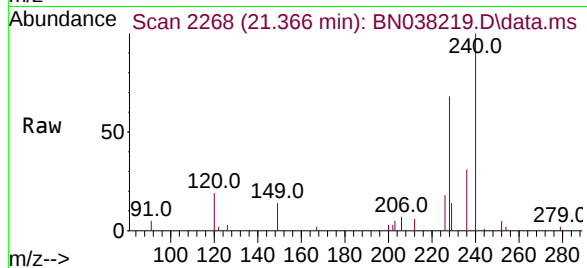
Tgt Ion:240 Resp: 14480

Ion Ratio Lower Upper

240 100

120 18.9 18.1 27.1

236 30.7 24.2 36.4



#30

Pyrene

Concen: 0.483 ng

RT: 19.610 min Scan# 2031

Delta R.T. 0.000 min

Lab File: BN038219.D

Acq: 27 Nov 2025 00:49

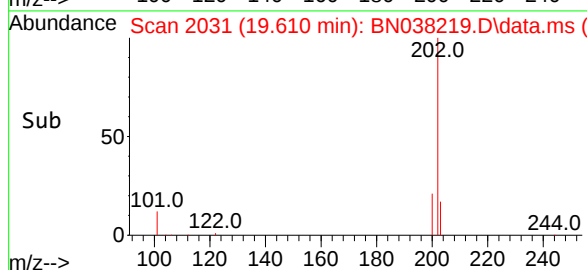
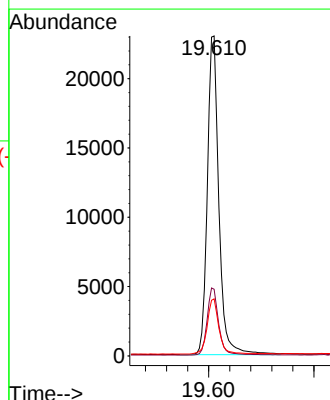
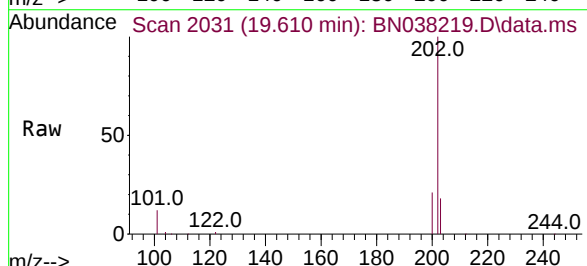
Tgt Ion:202 Resp: 34919

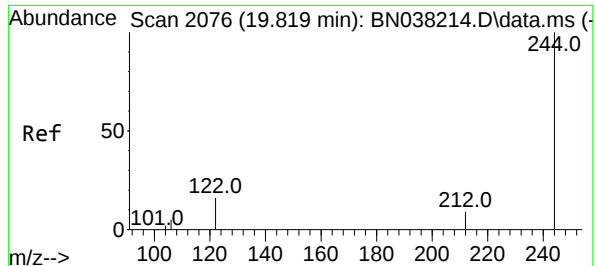
Ion Ratio Lower Upper

202 100

200 21.2 16.8 25.2

203 17.6 14.4 21.6

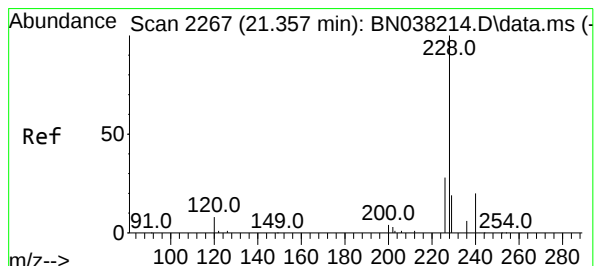
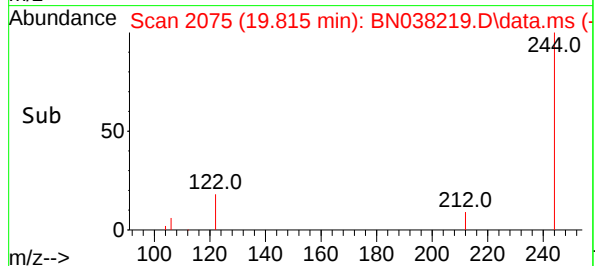
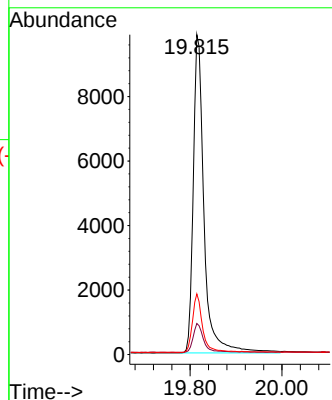
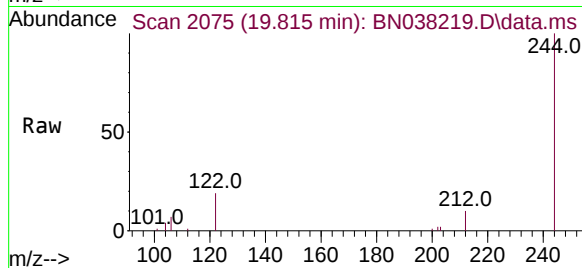




#31
Terphenyl-d14
Concen: 0.481 ng
RT: 19.815 min Scan# 2076
Delta R.T. -0.005 min
Lab File: BN038219.D
Acq: 27 Nov 2025 00:49

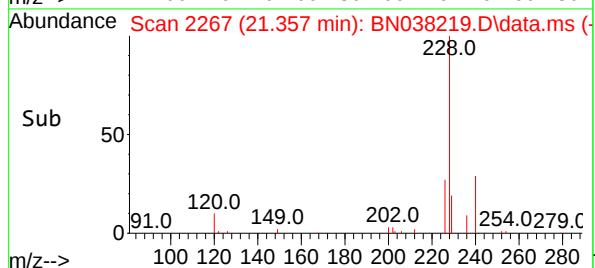
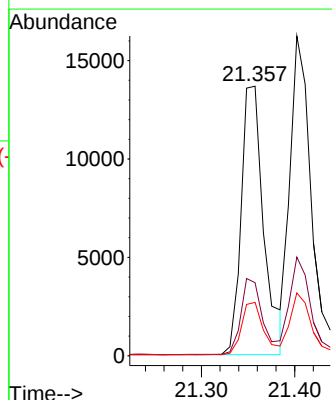
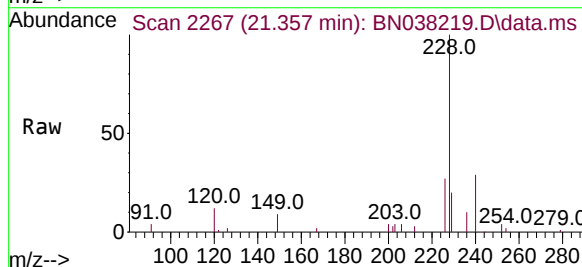
Instrument :
BNA_N
ClientSampleId :
ICVBN112725

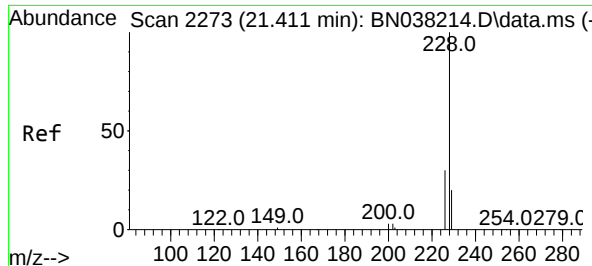
Tgt Ion:244 Resp: 16070
Ion Ratio Lower Upper
244 100
212 9.7 7.7 11.5
122 19.0 13.6 20.4



#32
Benzo(a)anthracene
Concen: 0.468 ng
RT: 21.357 min Scan# 2267
Delta R.T. 0.000 min
Lab File: BN038219.D
Acq: 27 Nov 2025 00:49

Tgt Ion:228 Resp: 22927
Ion Ratio Lower Upper
228 100
226 27.2 22.6 33.8
229 19.8 15.8 23.8





#33

Chrysene

Concen: 0.463 ng

RT: 21.402 min Scan# 21

Delta R.T. -0.009 min

Lab File: BN038219.D

Acq: 27 Nov 2025 00:49

Instrument :

BNA_N

ClientSampleId :

ICVBN112725

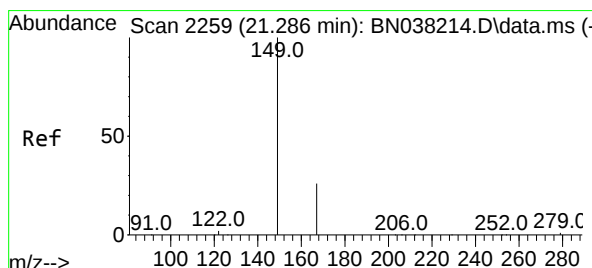
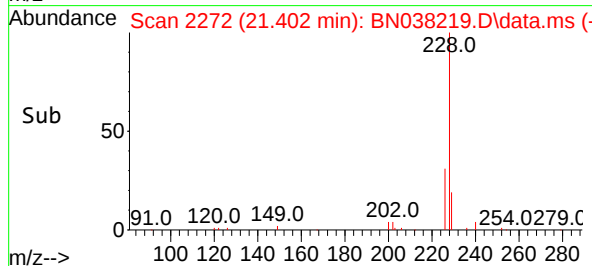
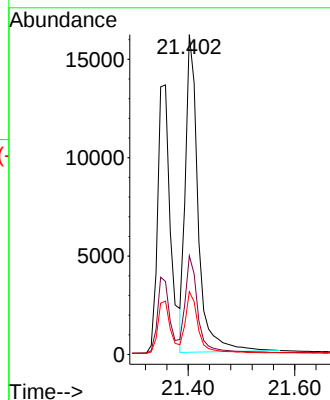
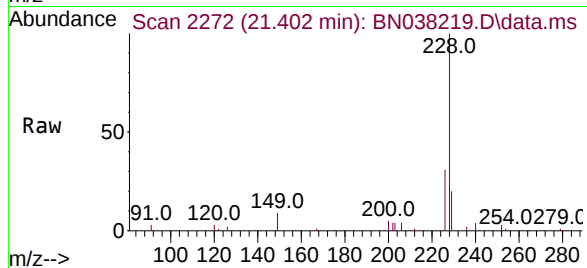
Tgt Ion:228 Resp: 26769

Ion Ratio Lower Upper

228 100

226 30.9 23.8 35.8

229 19.7 16.1 24.1



#34

Bis(2-ethylhexyl)phthalate

Concen: 0.462 ng

RT: 21.286 min Scan# 2259

Delta R.T. 0.000 min

Lab File: BN038219.D

Acq: 27 Nov 2025 00:49

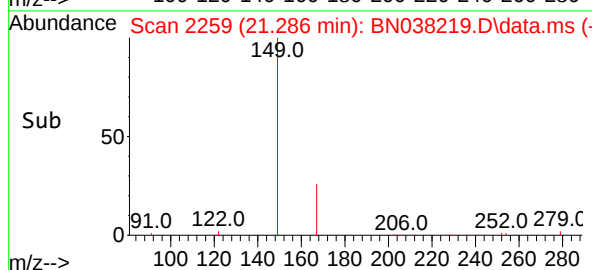
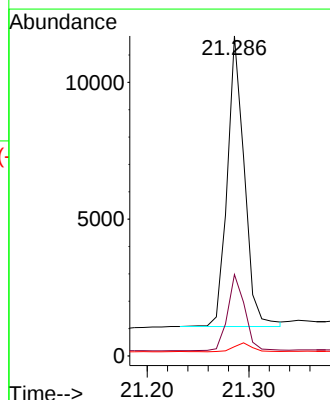
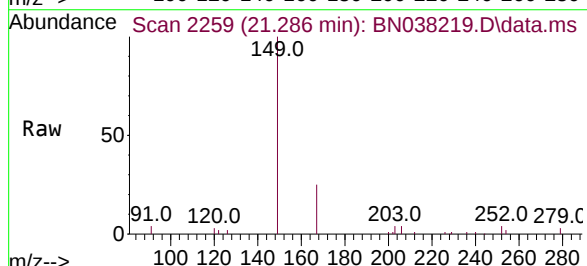
Tgt Ion:149 Resp: 12409

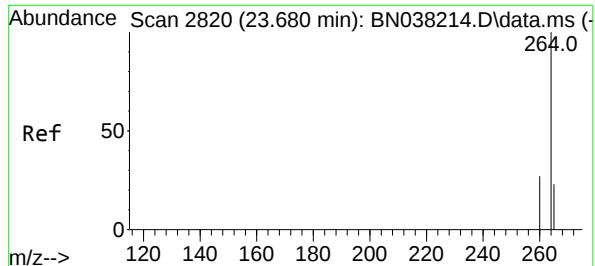
Ion Ratio Lower Upper

149 100

167 26.2 20.7 31.1

279 3.3 2.5 3.7





#35

Perylene-d12

Concen: 0.400 ng

RT: 23.677 min Scan# 2819

Delta R.T. -0.003 min

Lab File: BN038219.D

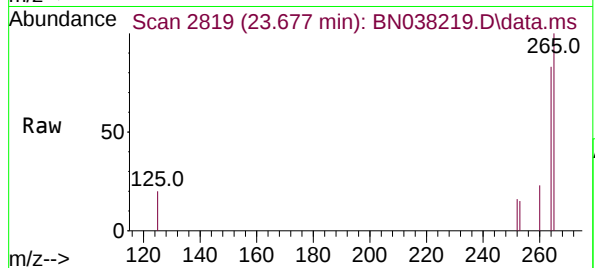
Acq: 27 Nov 2025 00:49

Instrument :

BNA_N

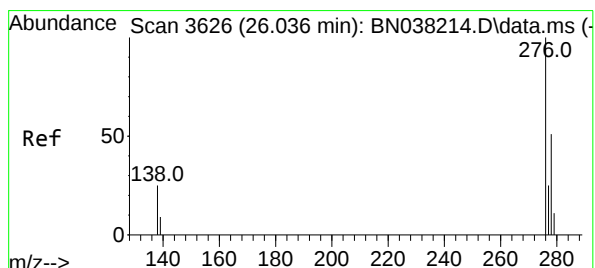
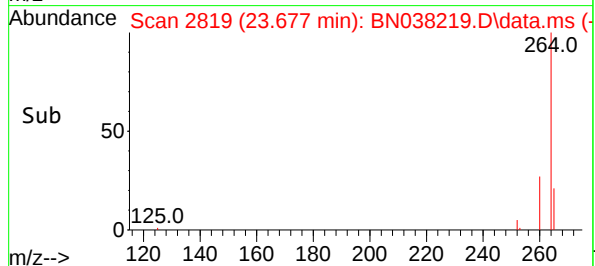
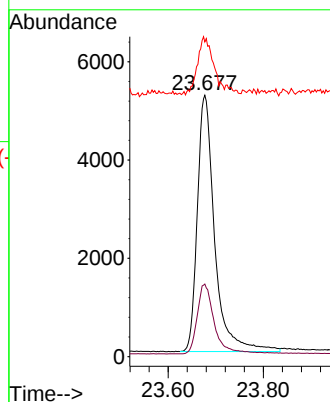
ClientSampleId :

ICVBN112725



Tgt Ion:264 Resp: 13201

Ion	Ratio	Lower	Upper
264	100		
260	27.7	21.7	32.5
265	120.4	98.0	147.0



#36

Indeno(1,2,3-cd)pyrene

Concen: 0.468 ng

RT: 26.031 min Scan# 3624

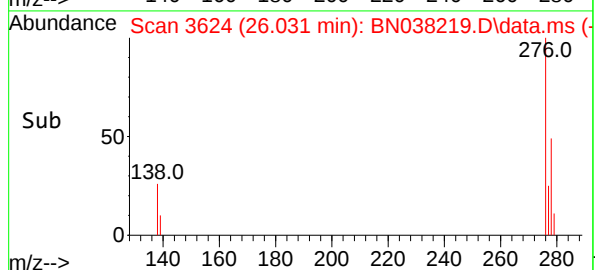
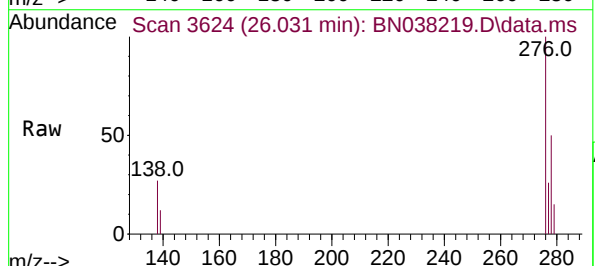
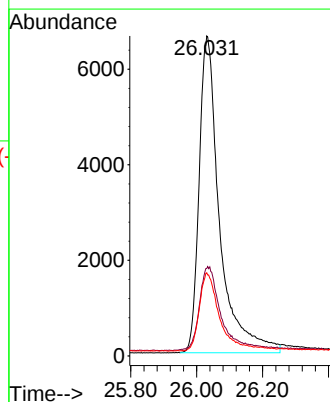
Delta R.T. -0.006 min

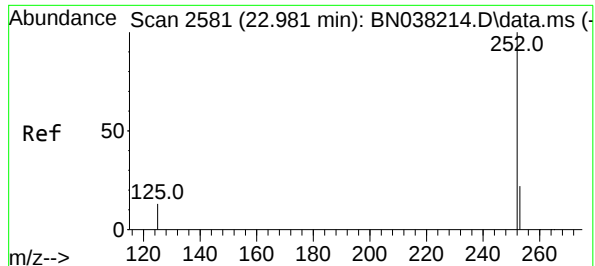
Lab File: BN038219.D

Acq: 27 Nov 2025 00:49

Tgt Ion:276 Resp: 28585

Ion	Ratio	Lower	Upper
276	100		
138	27.8	21.4	32.2
277	23.9	19.1	28.7





#37

Benzo(b)fluoranthene

Concen: 0.452 ng

RT: 22.978 min Scan# 2580

Delta R.T. -0.003 min

Lab File: BN038219.D

Acq: 27 Nov 2025 00:49

Instrument :

BNA_N

ClientSampleId :

ICVBN112725

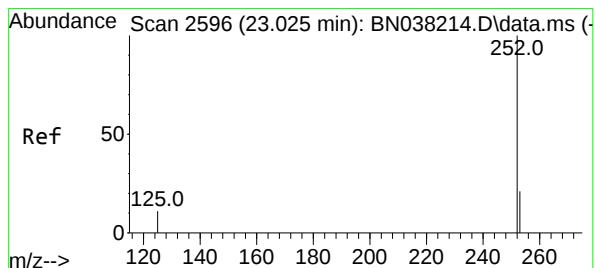
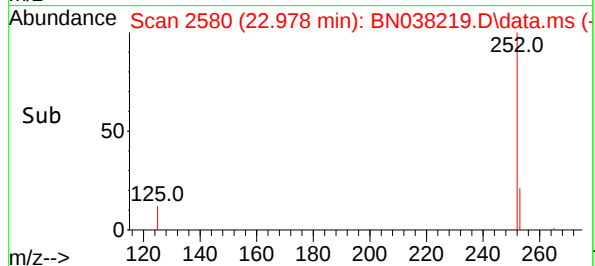
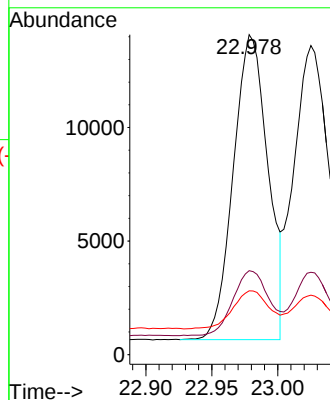
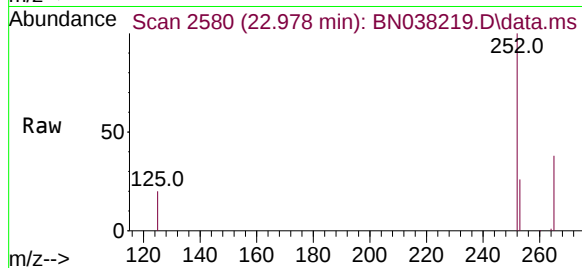
Tgt Ion:252 Resp: 24504

Ion Ratio Lower Upper

252 100

253 26.2 22.2 33.4

125 19.9 18.0 27.0



#38

Benzo(k)fluoranthene

Concen: 0.474 ng

RT: 23.025 min Scan# 2596

Delta R.T. 0.000 min

Lab File: BN038219.D

Acq: 27 Nov 2025 00:49

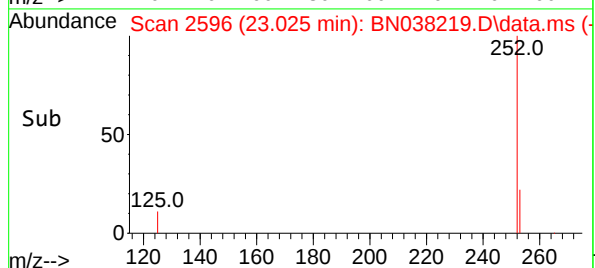
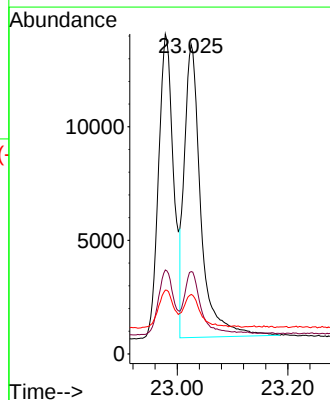
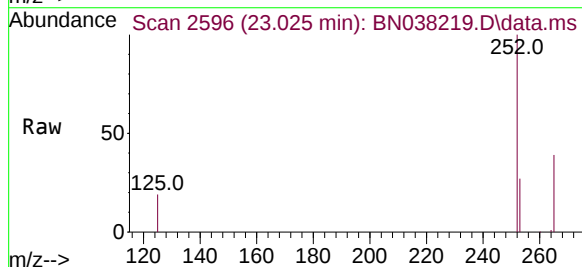
Tgt Ion:252 Resp: 26724

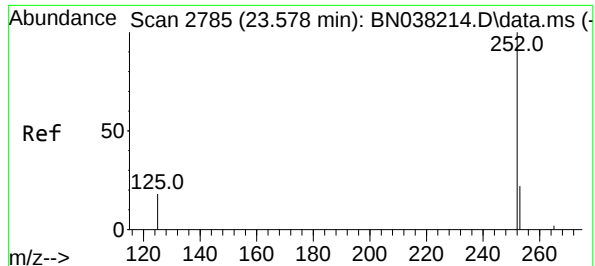
Ion Ratio Lower Upper

252 100

253 26.7 22.4 33.6

125 19.3 17.5 26.3





#39

Benzo(a)pyrene

Concen: 0.462 ng

RT: 23.578 min Scan# 21

Delta R.T. 0.000 min

Lab File: BN038219.D

Acq: 27 Nov 2025 00:49

Instrument :

BNA_N

ClientSampleId :

ICVBN112725

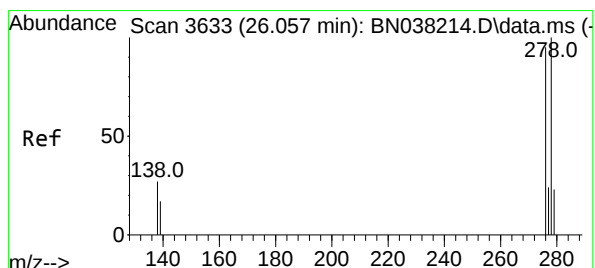
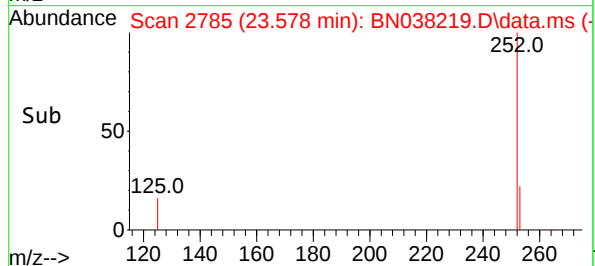
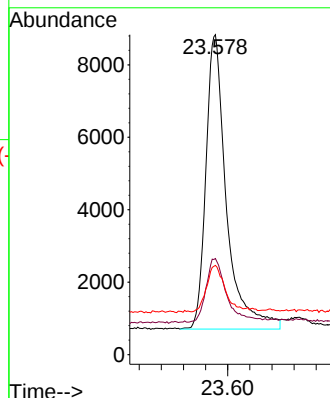
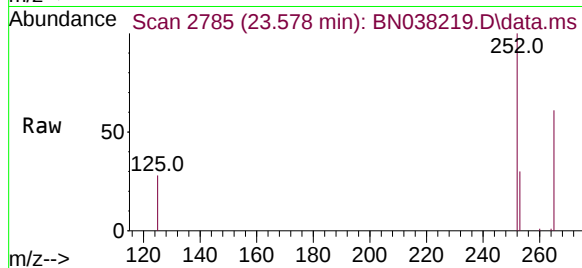
Tgt Ion:252 Resp: 20972

Ion Ratio Lower Upper

252 100

253 30.0 25.3 37.9

125 27.9 25.2 37.8



#40

Dibenzo(a,h)anthracene

Concen: 0.475 ng

RT: 26.051 min Scan# 3631

Delta R.T. -0.006 min

Lab File: BN038219.D

Acq: 27 Nov 2025 00:49

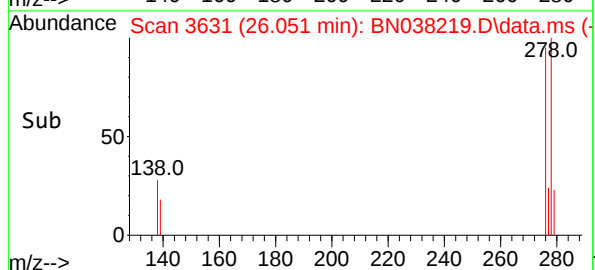
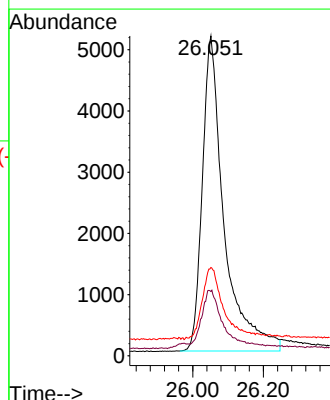
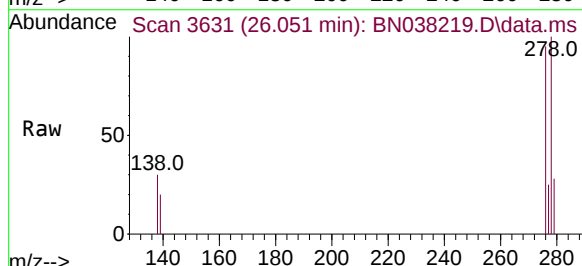
Tgt Ion:278 Resp: 21955

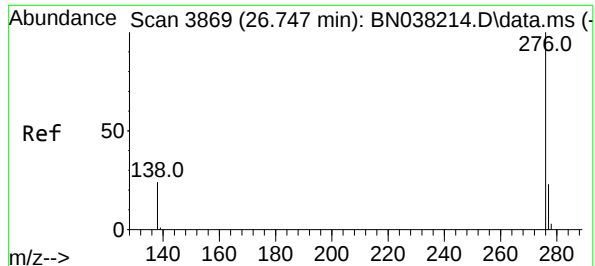
Ion Ratio Lower Upper

278 100

139 20.1 17.6 26.4

279 27.6 24.2 36.4





#41

Benzo(g,h,i)perylene

Concen: 0.461 ng

RT: 26.744 min Scan# 3868

Delta R.T. -0.003 min

Lab File: BN038219.D

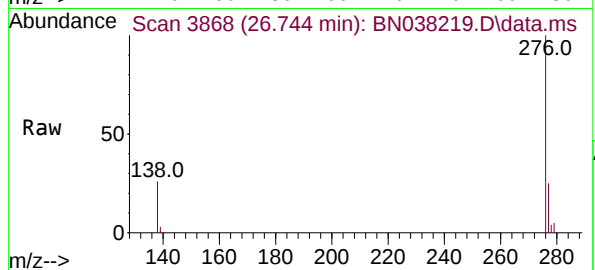
Acq: 27 Nov 2025 00:49

Instrument :

BNA_N

ClientSampleId :

ICVBN112725



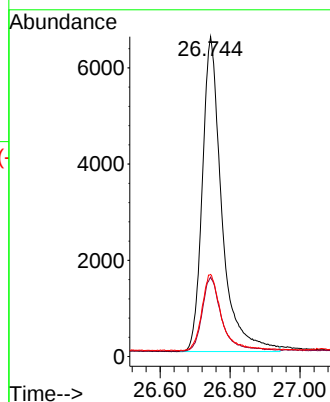
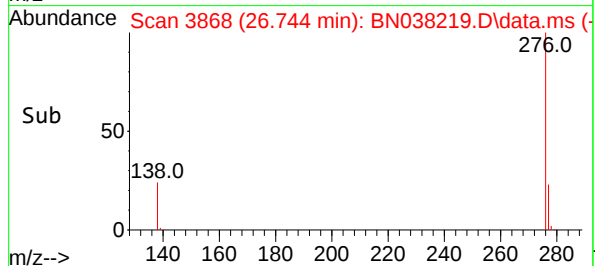
Tgt Ion:276 Resp: 25311

Ion Ratio Lower Upper

276 100

277 24.8 20.2 30.2

138 25.7 20.8 31.2



Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN112725\
 Data File : BN038219.D
 Acq On : 27 Nov 2025 00:49
 Operator : RC/JU
 Sample : SSTDICV0.4
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 ICVBN112725

Quant Time: Nov 28 20:56:34 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN112725.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Nov 28 20:22:09 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	111	0.00
2	1,4-Dioxane	0.421	0.461	-9.5	114	0.00
3	n-Nitrosodimethylamine	0.520	0.566	-8.8	116	0.00
4 S	2-Fluorophenol	0.935	1.134	-21.3	127	0.00
5 S	Phenol-d6	1.168	1.540	-31.8#	141	0.00
6	bis(2-Chloroethyl)ether	1.118	1.337	-19.6	125	0.00
7 I	Naphthalene-d8	1.000	1.000	0.0	113	0.00
8 S	Nitrobenzene-d5	0.320	0.338	-5.6	123	0.00
9	Naphthalene	1.111	1.258	-13.2	123	0.00
10	Hexachlorobutadiene	0.189	0.210	-11.1	119	0.00
11 SURR	2-Methylnaphthalene-d10	0.568	0.669	-17.8	129	0.00
12	2-Methylnaphthalene	0.731	0.854	-16.8	127	0.00
13 I	Acenaphthene-d10	1.000	1.000	0.0	118	0.00
14 S	2,4,6-Tribromophenol	0.126	0.158	-25.4#	151#	0.00
15 S	2-Fluorobiphenyl	1.545	1.791	-15.9	132	0.00
16	Acenaphthylene	1.789	1.969	-10.1	129	0.00
17	Acenaphthene	1.247	1.422	-14.0	129	0.00
18	Fluorene	1.614	1.866	-15.6	133	0.00
19 I	Phenanthrene-d10	1.000	1.000	0.0	120	0.00
20	4,6-Dinitro-2-methylphenol	0.042	0.051	-21.4	234#	-0.01
21	4-Bromophenyl-phenylether	0.277	0.318	-14.8	134	0.00
22	Hexachlorobenzene	0.341	0.387	-13.5	129	0.00
23	Atrazine	0.177	0.184	-4.0	126	0.00
24	Pentachlorophenol	0.093	0.142	-52.7#	202#	0.00
25	Phenanthrene	1.256	1.416	-12.7	129	0.00
26	Anthracene	1.071	1.197	-11.8	134	0.00
27 SURR	Fluoranthene-d10	0.868	0.977	-12.6	131	0.00
28	Fluoranthene	1.210	1.362	-12.6	133	0.00
29 I	Chrysene-d12	1.000	1.000	0.0	113	0.00
30	Pyrene	1.998	2.412	-20.7	131	0.00
31 S	Terphenyl-d14	0.924	1.110	-20.1	130	0.00
32	Benzo(a)anthracene	1.355	1.583	-16.8	131	0.00
33	Chrysene	1.599	1.849	-15.6	126	0.00
34	Bis(2-ethylhexyl)phthalate	0.742	0.857	-15.5	121	0.00
35 I	Perylene-d12	1.000	1.000	0.0	110	0.00
36	Indeno(1,2,3-cd)pyrene	1.851	2.165	-17.0	127	0.00
37	Benzo(b)fluoranthene	1.642	1.856	-13.0	120	0.00
38	Benzo(k)fluoranthene	1.707	2.024	-18.6	127	0.00
39 C	Benzo(a)pyrene	1.376	1.589	-15.5	127	0.00
40	Dibenzo(a,h)anthracene	1.401	1.663	-18.7	133	0.00
41	Benzo(g,h,i)perylene	1.674	1.917	-14.5	123	0.00

(#) = Out of Range

SPCC's out = 0 CCC's out = 0

Instrument :

BNA_N

ClientSampleId :

ICVBN112725

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN112725\
 Data File : BN038219.D
 Acq On : 27 Nov 2025 00:49
 Operator : RC/JU
 Sample : SSTDICV0.4
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 ICVBN112725

Quant Time: Nov 28 20:56:34 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN112725.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Nov 28 20:22:09 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	111	0.00
2	1,4-Dioxane	0.400	0.438	-9.5	114	0.00
3	n-Nitrosodimethylamine	0.400	0.435	-8.7	116	0.00
4 S	2-Fluorophenol	0.400	0.485	-21.2	127	0.00
5 S	Phenol-d6	0.400	0.527	-31.8#	141	0.00
6	bis(2-Chloroethyl)ether	0.400	0.478	-19.5	125	0.00
7 I	Naphthalene-d8	0.400	0.400	0.0	113	0.00
8 S	Nitrobenzene-d5	0.400	0.422	-5.5	123	0.00
9	Naphthalene	0.400	0.453	-13.2	123	0.00
10	Hexachlorobutadiene	0.400	0.445	-11.2	119	0.00
11 SURR	2-Methylnaphthalene-d10	0.400	0.471	-17.7	129	0.00
12	2-Methylnaphthalene	0.400	0.467	-16.8	127	0.00
13 I	Acenaphthene-d10	0.400	0.400	0.0	118	0.00
14 S	2,4,6-Tribromophenol	0.400	0.504	-26.0#	151	0.00
15 S	2-Fluorobiphenyl	0.400	0.464	-16.0	132	0.00
16	Acenaphthylene	0.400	0.440	-10.0	129	0.00
17	Acenaphthene	0.400	0.456	-14.0	129	0.00
18	Fluorene	0.400	0.463	-15.8	133	0.00
19 I	Phenanthrene-d10	0.400	0.400	0.0	120	0.00
20	4,6-Dinitro-2-methylphenol	0.400	0.648	-62.0#	234	-0.01
21	4-Bromophenyl-phenylether	0.400	0.459	-14.8	134	0.00
22	Hexachlorobenzene	0.400	0.454	-13.5	129	0.00
23	Atrazine	0.400	0.415	-3.7	126	0.00
24	Pentachlorophenol	0.400	0.609	-52.2#	202	0.00
25	Phenanthrene	0.400	0.451	-12.7	129	0.00
26	Anthracene	0.400	0.447	-11.7	134	0.00
27 SURR	Fluoranthene-d10	0.400	0.450	-12.5	131	0.00
28	Fluoranthene	0.400	0.450	-12.5	133	0.00
29 I	Chrysene-d12	0.400	0.400	0.0	113	0.00
30	Pyrene	0.400	0.483	-20.7	131	0.00
31 S	Terphenyl-d14	0.400	0.481	-20.2	130	0.00
32	Benzo(a)anthracene	0.400	0.468	-17.0	131	0.00
33	Chrysene	0.400	0.463	-15.8	126	0.00
34	Bis(2-ethylhexyl)phthalate	0.400	0.462	-15.5	121	0.00
35 I	Perylene-d12	0.400	0.400	0.0	110	0.00
36	Indeno(1,2,3-cd)pyrene	0.400	0.468	-17.0	127	0.00
37	Benzo(b)fluoranthene	0.400	0.452	-13.0	120	0.00
38	Benzo(k)fluoranthene	0.400	0.474	-18.5	127	0.00
39 C	Benzo(a)pyrene	0.400	0.462	-15.5	127	0.00
40	Dibenzo(a,h)anthracene	0.400	0.475	-18.7	133	0.00
41	Benzo(g,h,i)perylene	0.400	0.461	-15.3	123	0.00

(#) = Out of Range

SPCC's out = 0 CCC's out = 0

Instrument :

BNA_N

ClientSampleId :

ICVBN112725



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

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: Alliance Contract: ENTA05
 Lab Code: ACE SDG No.: Q3618
 Instrument ID: BNA_N Calibration Date/Time: 12/01/2025 10:23
 Lab File ID: BN038222.D Init. Calib. Date(s): 11/26/2025 11/27/2025
 EPA Sample No.: SSTDCCC0.4 Init. Calib. Time(s): 20:35 00:13
 GC Column: ZB-GR ID: 0.25 (mm)

COMPOUND	RRF	RRF0.4	MIN RRF	%D	MAX%D
2-Methylnaphthalene-d10	0.568	0.586		3.2	20.0
Fluoranthene-d10	0.868	0.913		5.2	20.0
2-Fluorophenol	0.935	0.918		-1.8	20.0
Phenol-d6	1.168	1.147		-1.8	20.0
Nitrobenzene-d5	0.320	0.313		-2.2	20.0
2-Fluorobiphenyl	1.545	1.642		6.3	20.0
2,4,6-Tribromophenol	0.126	0.135		7.1	20.0
Terphenyl-d14	0.924	0.969		4.9	20.0
1,4-Dioxane	0.421	0.434		3.1	20.0

All other compounds must meet a minimum RRF of 0.010.

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN120125\
 Data File : BN038222.D
 Acq On : 01 Dec 2025 10:23
 Operator : RC/JU
 Sample : SSTDCCC0.4
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 SSTDCCC0.4

Quant Time: Dec 01 10:47:25 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN112725.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Nov 28 21:04:10 2025
 Response via : Initial Calibration

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

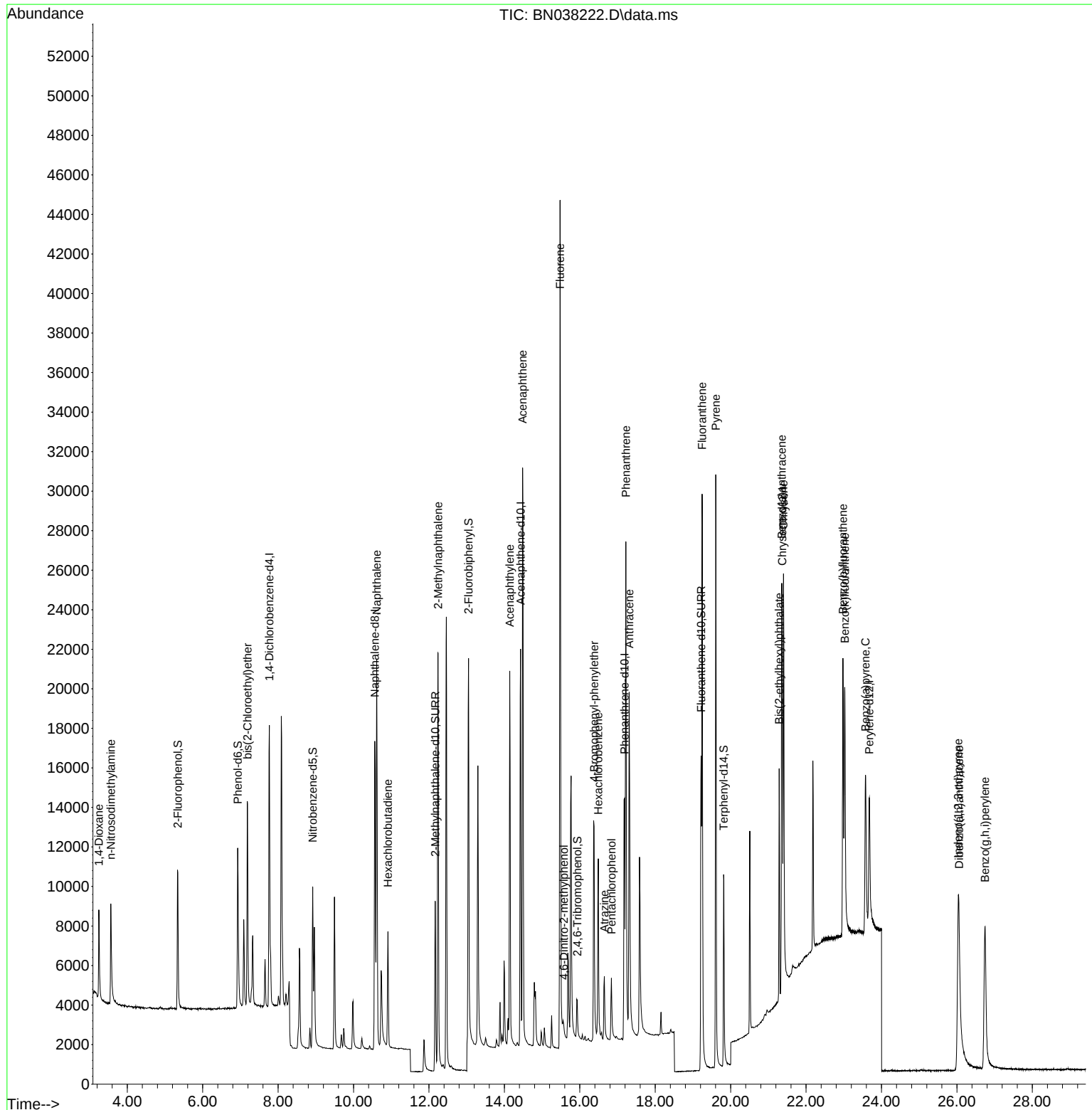
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.768	152	7356	0.400	ng	0.00
7) Naphthalene-d8	10.562	136	22525	0.400	ng	#-0.01
13) Acenaphthene-d10	14.430	164	12376	0.400	ng	0.00
19) Phenanthrene-d10	17.186	188	22320	0.400	ng	0.00
29) Chrysene-d12	21.366	240	12271	0.400	ng	0.00
35) Perylene-d12	23.674	264	11359	0.400	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.341	112	6753	0.393	ng	0.00
5) Phenol-d6	6.930	99	8437	0.393	ng	0.00
8) Nitrobenzene-d5	8.918	82	7042	0.391	ng	0.00
11) 2-Methylnaphthalene-d10	12.167	152	13197	0.413	ng	0.00
14) 2,4,6-Tribromophenol	15.932	330	1670	0.429	ng	0.00
15) 2-Fluorobiphenyl	13.051	172	20324	0.425	ng	0.00
27) Fluoranthene-d10	19.215	212	20388	0.421	ng	0.00
31) Terphenyl-d14	19.815	244	11886	0.419	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.247	88	3193	0.412	ng	98
3) n-Nitrosodimethylamine	3.564	42	3975	0.416	ng	# 98
6) bis(2-Chloroethyl)ether	7.190	93	8705	0.423	ng	99
9) Naphthalene	10.616	128	26471	0.423	ng	100
10) Hexachlorobutadiene	10.915	225	4648	0.437	ng	# 100
12) 2-Methylnaphthalene	12.243	142	17274	0.420	ng	99
16) Acenaphthylene	14.142	152	22968	0.415	ng	99
17) Acenaphthene	14.484	154	16308	0.423	ng	99
18) Fluorene	15.478	166	21287	0.426	ng	100
20) 4,6-Dinitro-2-methylph...	15.572	198	712	0.465	ng	# 74
21) 4-Bromophenyl-phenylether	16.379	248	6219	0.402	ng	96
22) Hexachlorobenzene	16.491	284	7992	0.420	ng	100
23) Atrazine	16.652	200	3613	0.366	ng	99
24) Pentachlorophenol	16.838	266	2123	0.407	ng	100
25) Phenanthrene	17.223	178	28839	0.412	ng	99
26) Anthracene	17.310	178	24199	0.405	ng	99
28) Fluoranthene	19.243	202	29360	0.435	ng	100
30) Pyrene	19.606	202	28909	0.472	ng	99
32) Benzo(a)anthracene	21.357	228	17382	0.418	ng	99
33) Chrysene	21.402	228	21193	0.432	ng	98
34) Bis(2-ethylhexyl)phtha...	21.286	149	10784	0.474	ng	100
36) Indeno(1,2,3-cd)pyrene	26.034	276	18289	0.348	ng	98
37) Benzo(b)fluoranthene	22.978	252	19304	0.414	ng	98
38) Benzo(k)fluoranthene	23.025	252	20292	0.419	ng	100
39) Benzo(a)pyrene	23.575	252	15267	0.391	ng	98
40) Dibenzo(a,h)anthracene	26.057	278	12904	0.324	ng	98
41) Benzo(g,h,i)perylene	26.747	276	19028	0.400	ng	99

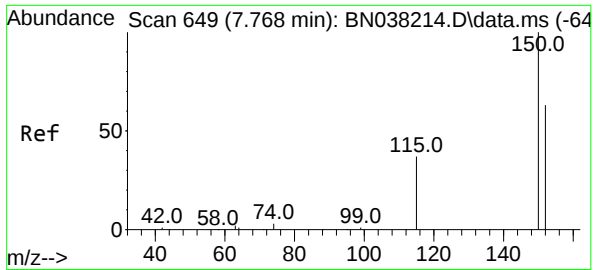
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN120125\
Data File : BN038222.D
Acq On : 01 Dec 2025 10:23
Operator : RC/JU
Sample : SSTDCCC0.4
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

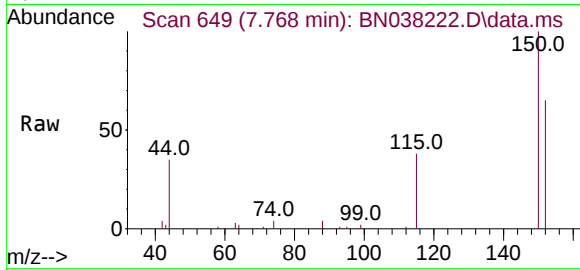
Quant Time: Dec 01 10:47:25 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN112725.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Nov 28 21:04:10 2025
Response via : Initial Calibration



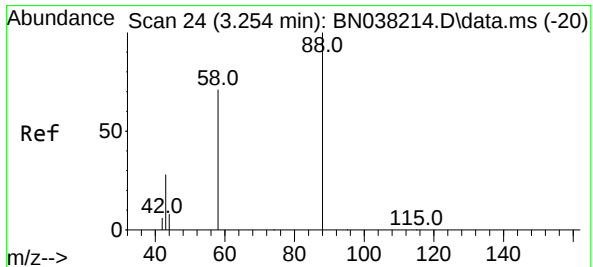
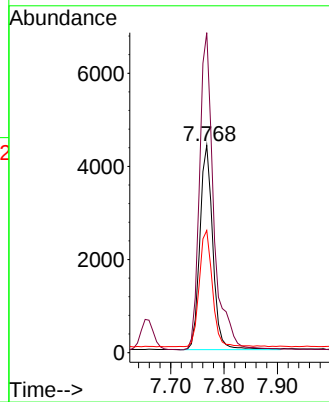
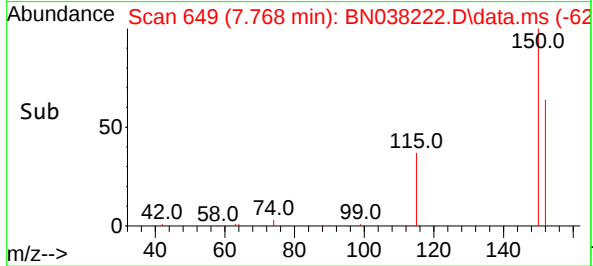


#1
 1,4-Dichlorobenzene-d4
 Concen: 0.400 ng
 RT: 7.768 min Scan# 64
 Delta R.T. -0.000 min
 Lab File: BN038222.D
 Acq: 01 Dec 2025 10:23

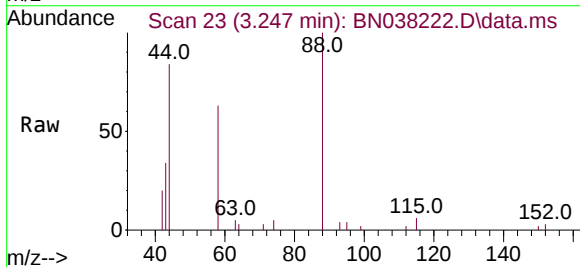
Instrument :
 BNA_N
 ClientSampleId :
 SSTDCCC0.4



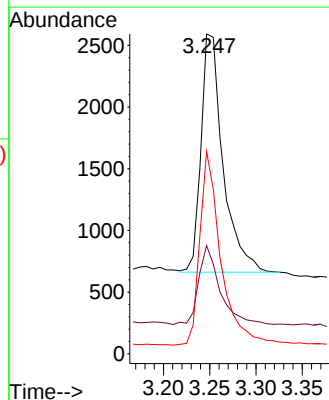
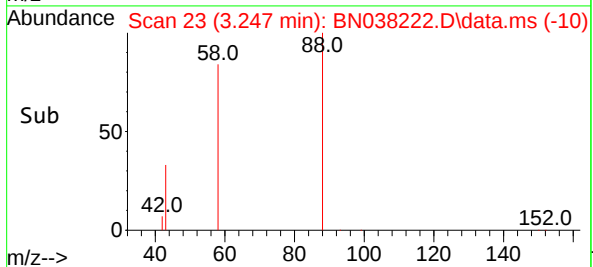
Tgt Ion:152 Resp: 7356
 Ion Ratio Lower Upper
 152 100
 150 154.4 125.3 187.9
 115 58.9 49.0 73.4

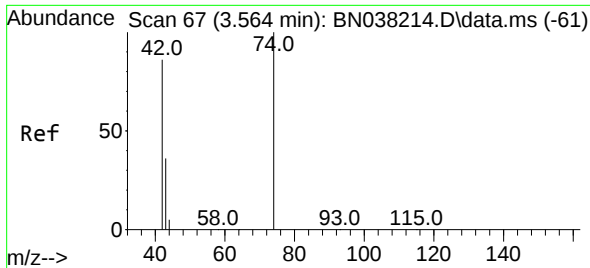


#2
 1,4-Dioxane
 Concen: 0.412 ng
 RT: 3.247 min Scan# 23
 Delta R.T. -0.007 min
 Lab File: BN038222.D
 Acq: 01 Dec 2025 10:23



Tgt Ion: 88 Resp: 3193
 Ion Ratio Lower Upper
 88 100
 43 31.9 24.8 37.2
 58 78.1 61.1 91.7

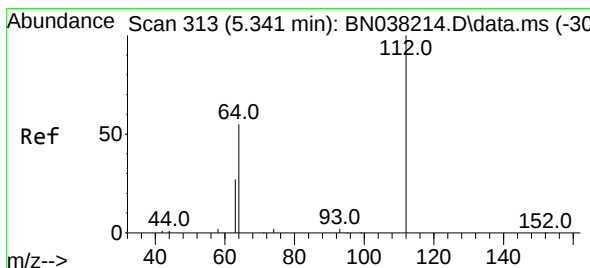
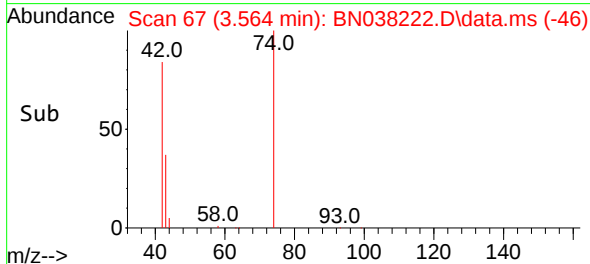
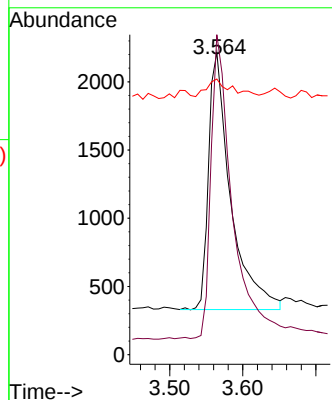
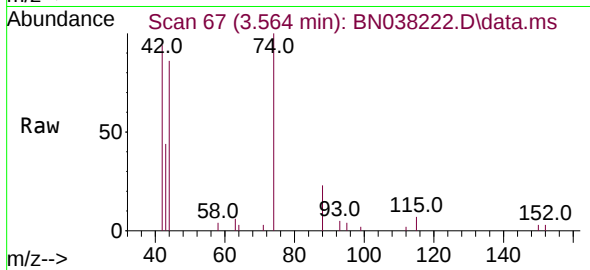




#3
n-Nitrosodimethylamine
Concen: 0.416 ng
RT: 3.564 min Scan# 61
Delta R.T. 0.000 min
Lab File: BN038222.D
Acq: 01 Dec 2025 10:23

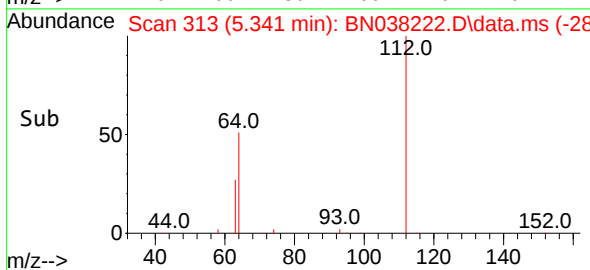
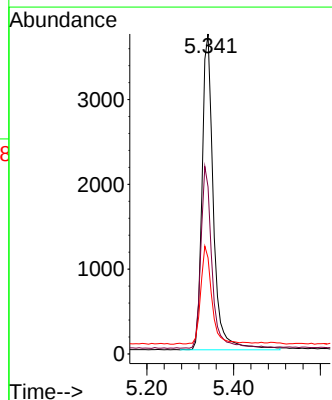
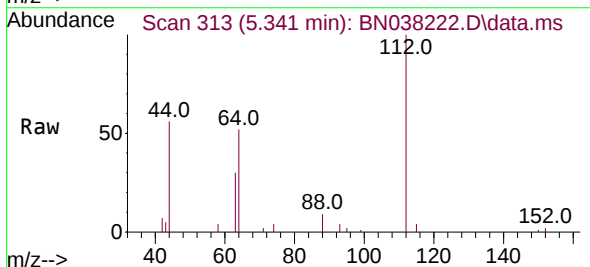
Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

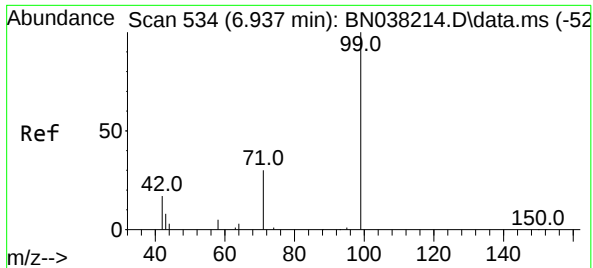
Tgt Ion: 42 Resp: 3975
Ion Ratio Lower Upper
42 100
74 118.9 96.2 144.2
44 7.3 8.0 12.0#



#4
2-Fluorophenol
Concen: 0.393 ng
RT: 5.341 min Scan# 313
Delta R.T. 0.000 min
Lab File: BN038222.D
Acq: 01 Dec 2025 10:23

Tgt Ion: 112 Resp: 6753
Ion Ratio Lower Upper
112 100
64 56.2 45.0 67.4
63 29.7 23.2 34.8

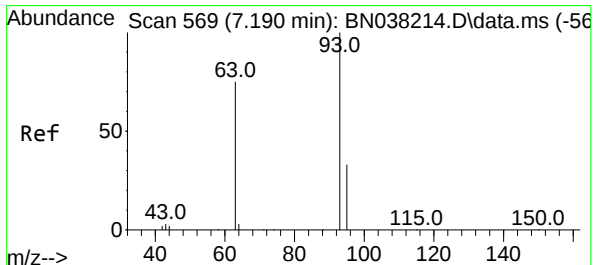
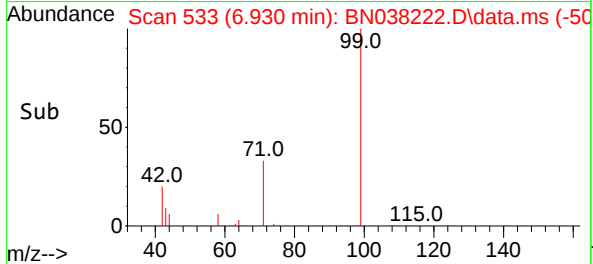
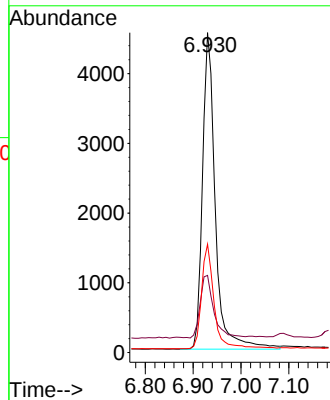
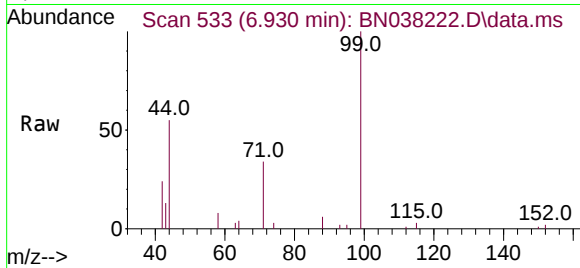




#5
Phenol-d6
Concen: 0.393 ng
RT: 6.930 min Scan# 534
Delta R.T. -0.007 min
Lab File: BN038222.D
Acq: 01 Dec 2025 10:23

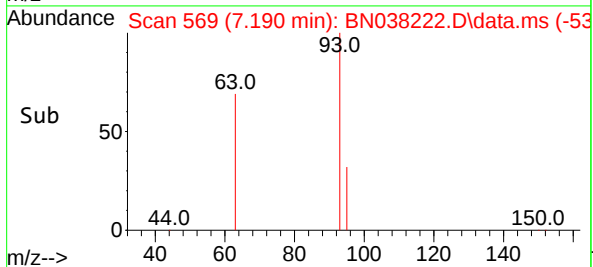
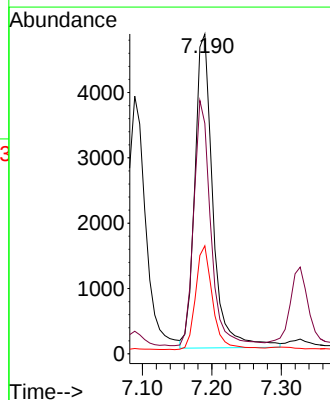
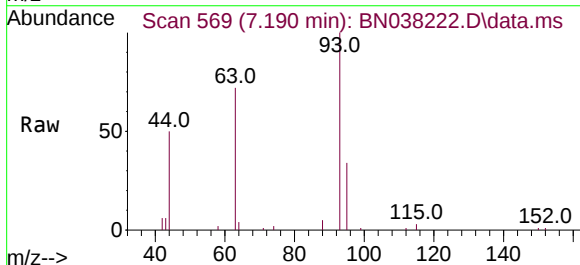
Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

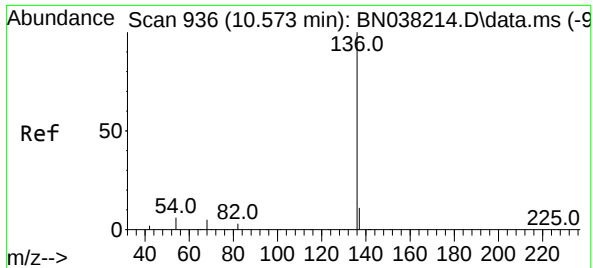
Tgt Ion: 99 Resp: 8437
Ion Ratio Lower Upper
99 100
42 20.5 17.0 25.6
71 32.4 25.4 38.2



#6
bis(2-Chloroethyl)ether
Concen: 0.423 ng
RT: 7.190 min Scan# 569
Delta R.T. 0.000 min
Lab File: BN038222.D
Acq: 01 Dec 2025 10:23

Tgt Ion: 93 Resp: 8705
Ion Ratio Lower Upper
93 100
63 73.8 58.1 87.1
95 31.4 25.1 37.7

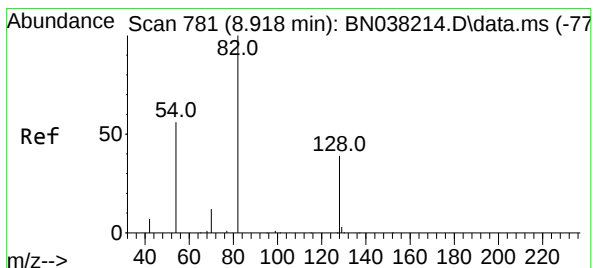
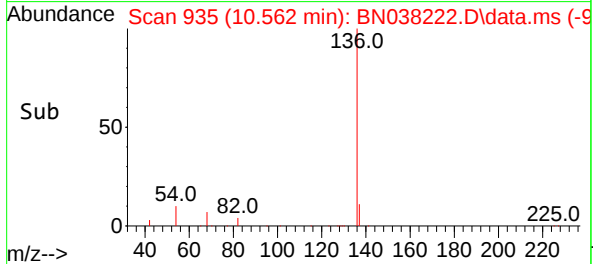
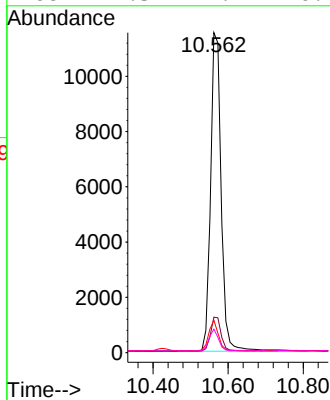
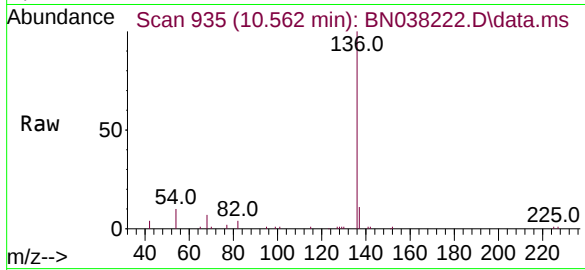




#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.562 min Scan# 936
Delta R.T. -0.011 min
Lab File: BN038222.D
Acq: 01 Dec 2025 10:23

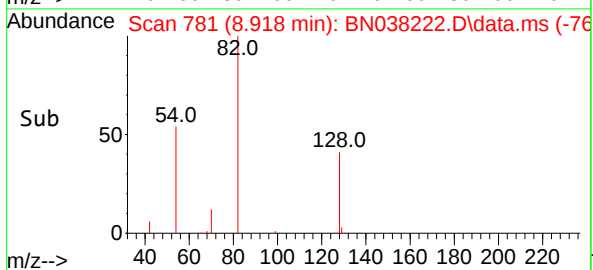
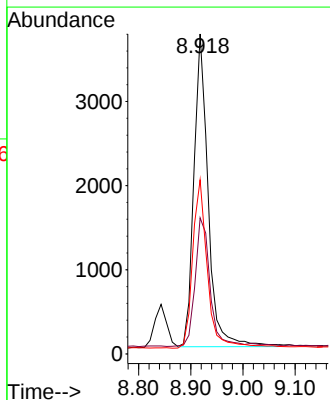
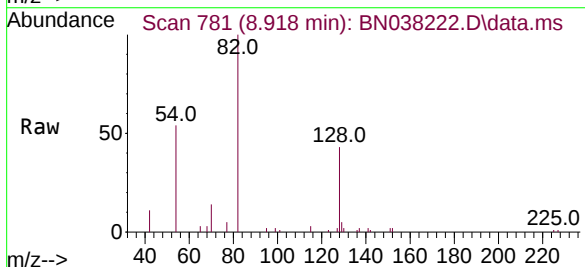
Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

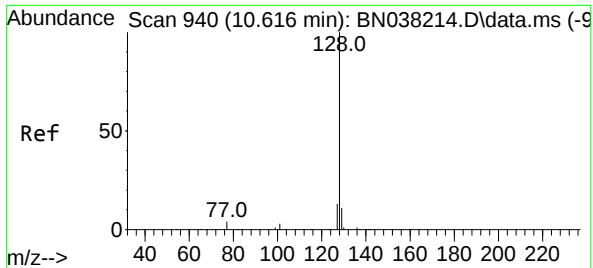
Tgt Ion:136 Resp: 22525
Ion Ratio Lower Upper
136 100
137 11.1 8.9 13.3
54 10.1 5.4 8.0#
68 7.3 4.1 6.1#



#8
Nitrobenzene-d5
Concen: 0.391 ng
RT: 8.918 min Scan# 781
Delta R.T. 0.000 min
Lab File: BN038222.D
Acq: 01 Dec 2025 10:23

Tgt Ion: 82 Resp: 7042
Ion Ratio Lower Upper
82 100
128 42.5 32.6 48.8
54 54.4 45.4 68.0

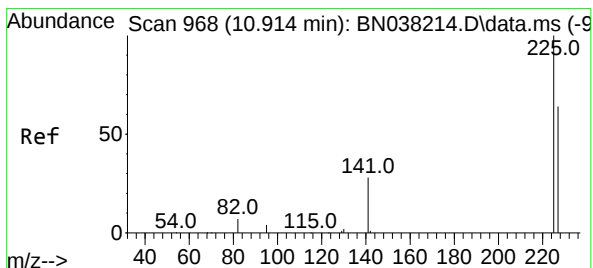
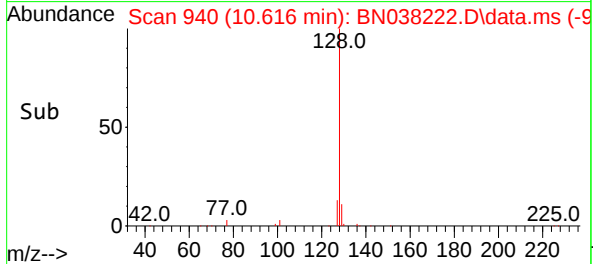
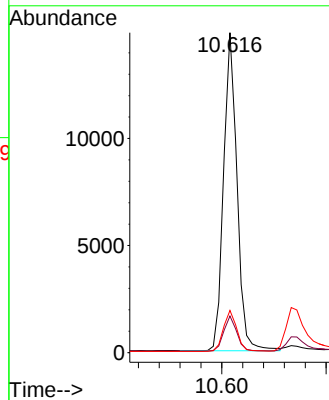
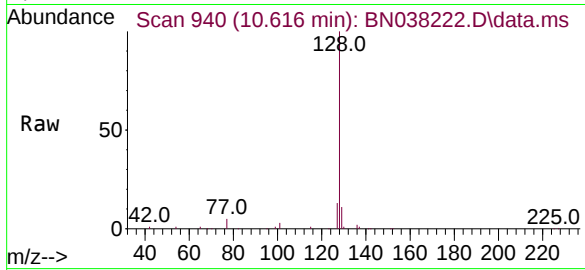




#9
Naphthalene
Concen: 0.423 ng
RT: 10.616 min Scan# 940
Delta R.T. 0.000 min
Lab File: BN038222.D
Acq: 01 Dec 2025 10:23

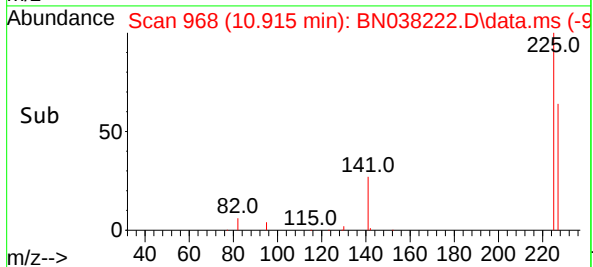
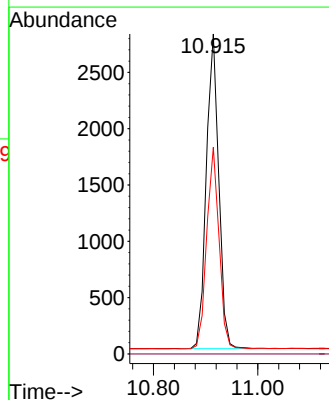
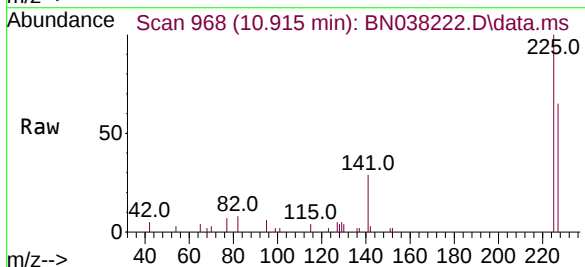
Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

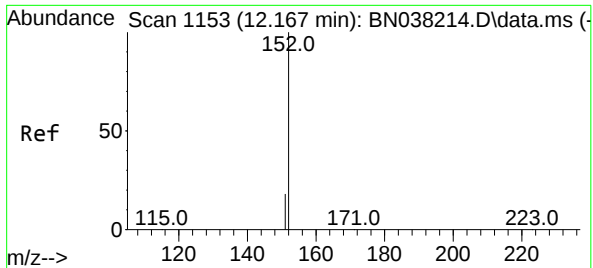
Tgt Ion:128 Resp: 26471
Ion Ratio Lower Upper
128 100
129 11.4 9.1 13.7
127 13.2 10.6 16.0



#10
Hexachlorobutadiene
Concen: 0.437 ng
RT: 10.915 min Scan# 968
Delta R.T. 0.000 min
Lab File: BN038222.D
Acq: 01 Dec 2025 10:23

Tgt Ion:225 Resp: 4648
Ion Ratio Lower Upper
225 100
223 0.0 0.0 0.0
227 63.3 50.5 75.7

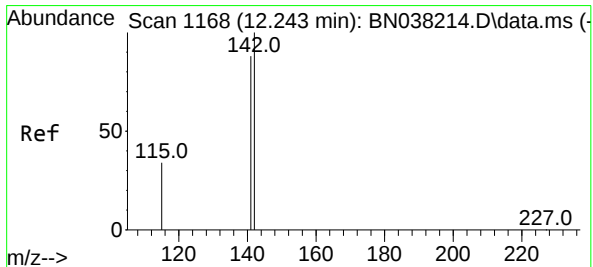
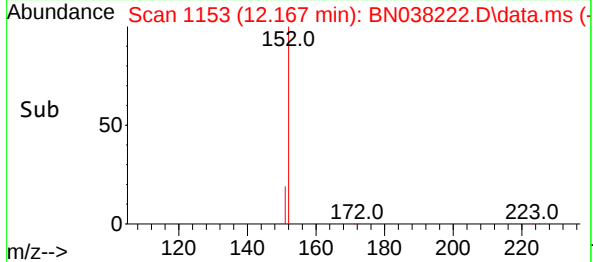
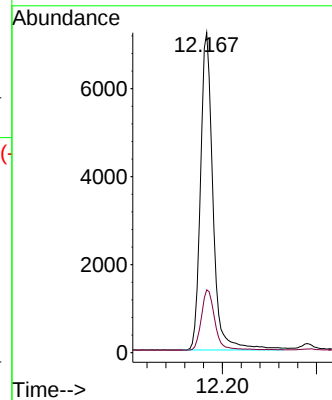
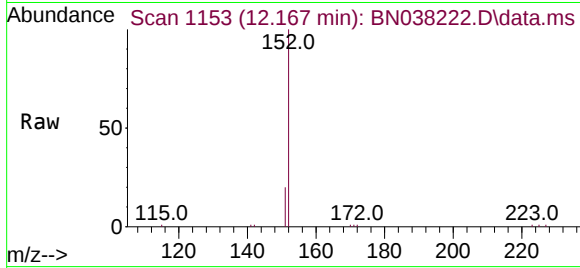




#11
2-Methylnaphthalene-d10
Concen: 0.413 ng
RT: 12.167 min Scan# 1153
Delta R.T. 0.000 min
Lab File: BN038222.D
Acq: 01 Dec 2025 10:23

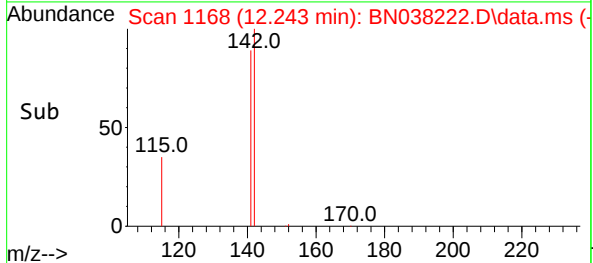
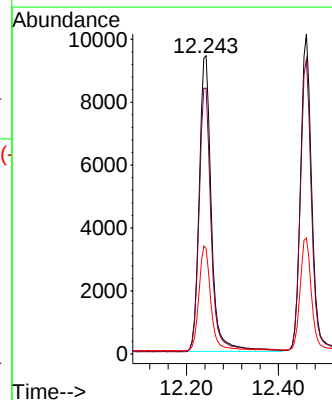
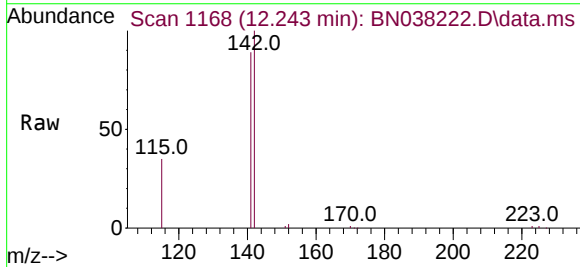
Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

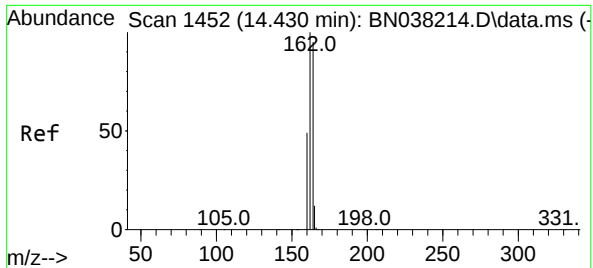
Tgt Ion:152 Resp: 13197
Ion Ratio Lower Upper
152 100
151 20.7 16.7 25.1



#12
2-Methylnaphthalene
Concen: 0.420 ng
RT: 12.243 min Scan# 1168
Delta R.T. -0.000 min
Lab File: BN038222.D
Acq: 01 Dec 2025 10:23

Tgt Ion:142 Resp: 17274
Ion Ratio Lower Upper
142 100
141 89.1 70.9 106.3
115 35.4 27.7 41.5

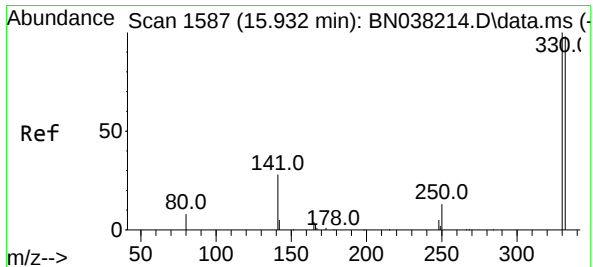
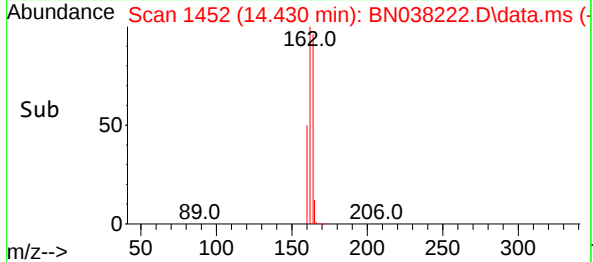
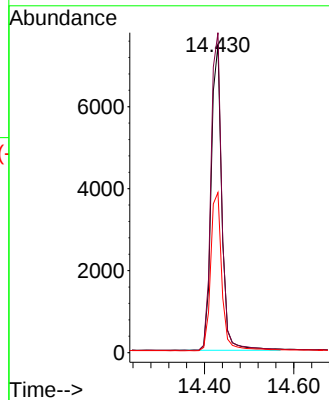
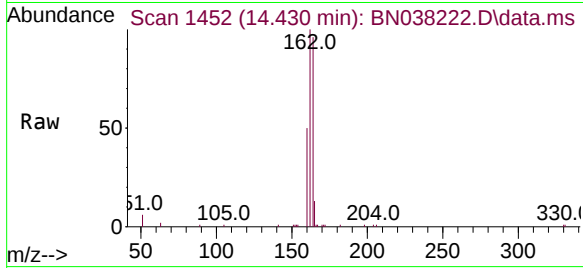




#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.430 min Scan# 1452
Delta R.T. 0.000 min
Lab File: BN038222.D
Acq: 01 Dec 2025 10:23

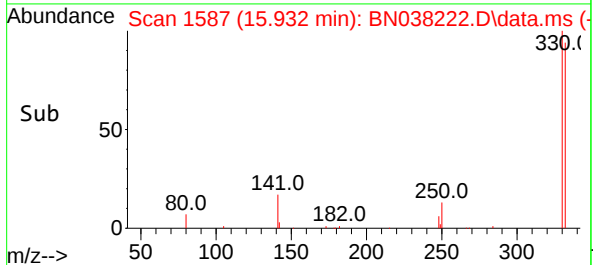
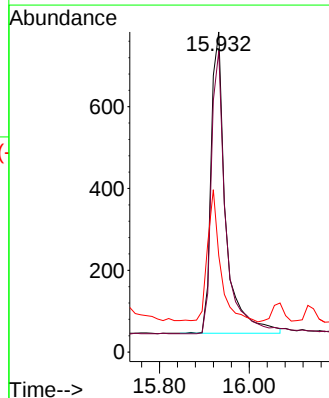
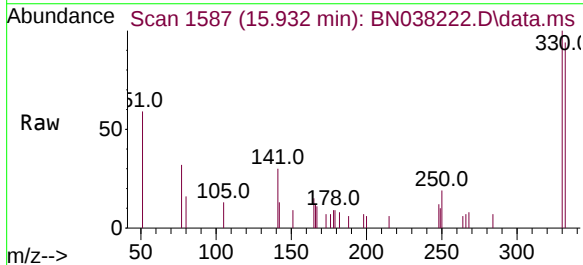
Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

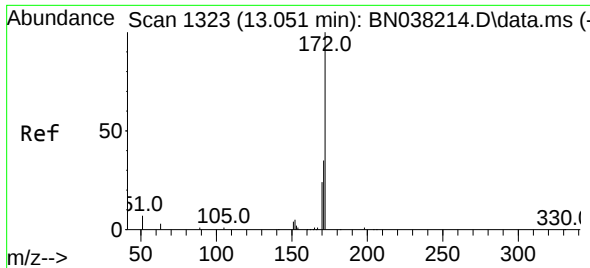
Tgt Ion	164	Resp:	12376
Ion	Ratio	Lower	Upper
164	100		
162	104.1	83.8	125.8
160	52.1	41.6	62.4



#14
2,4,6-Tribromophenol
Concen: 0.429 ng
RT: 15.932 min Scan# 1587
Delta R.T. 0.000 min
Lab File: BN038222.D
Acq: 01 Dec 2025 10:23

Tgt Ion	330	Resp:	1670
Ion	Ratio	Lower	Upper
330	100		
332	94.3	77.8	116.6
141	38.6	33.0	49.4

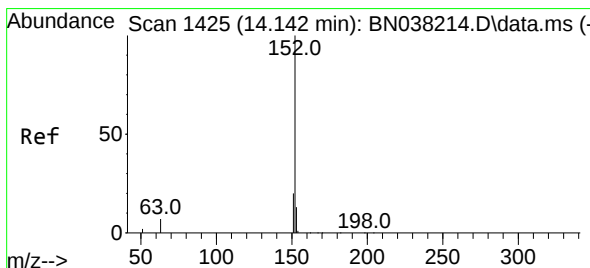
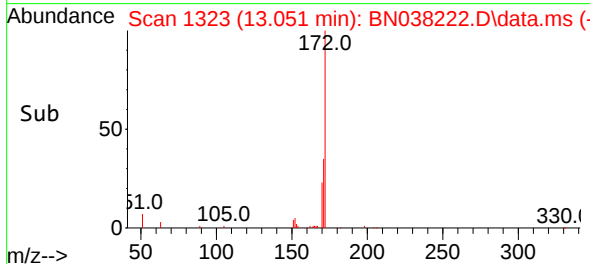
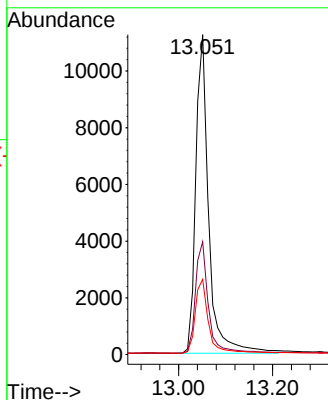
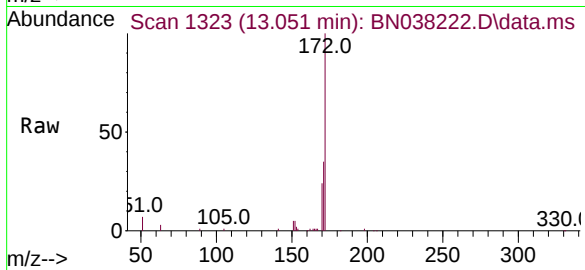




#15
2-Fluorobiphenyl
Concen: 0.425 ng
RT: 13.051 min Scan# 1323
Delta R.T. 0.000 min
Lab File: BN038222.D
Acq: 01 Dec 2025 10:23

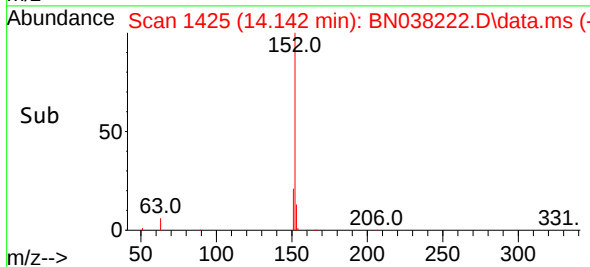
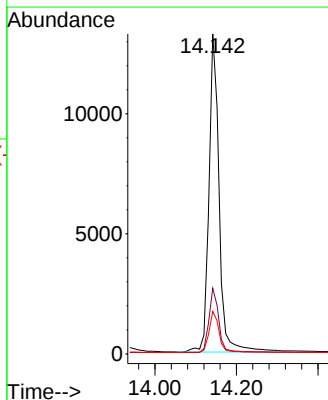
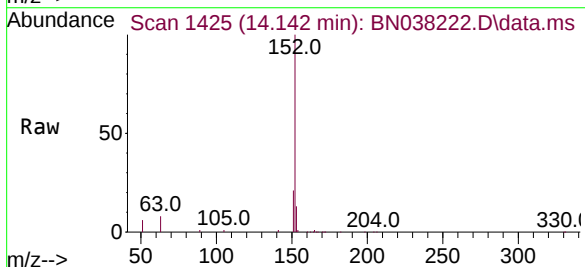
Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

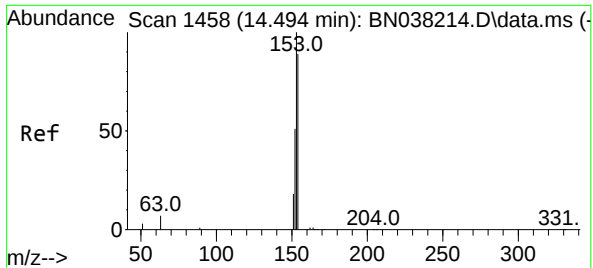
Tgt Ion:	172	Resp:	20324
Ion Ratio	Lower	Upper	
172	100		
171	35.3	28.1	42.1
170	23.5	19.1	28.7



#16
Acenaphthylene
Concen: 0.415 ng
RT: 14.142 min Scan# 1425
Delta R.T. 0.000 min
Lab File: BN038222.D
Acq: 01 Dec 2025 10:23

Tgt Ion:	152	Resp:	22968
Ion Ratio	Lower	Upper	
152	100		
151	19.9	15.6	23.4
153	13.0	10.6	15.8

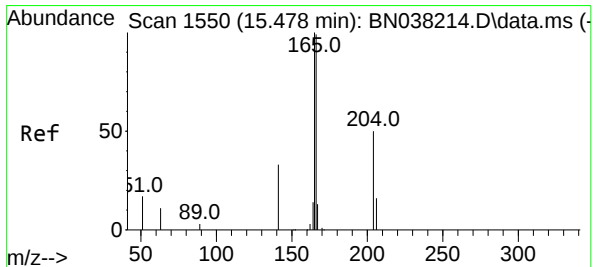
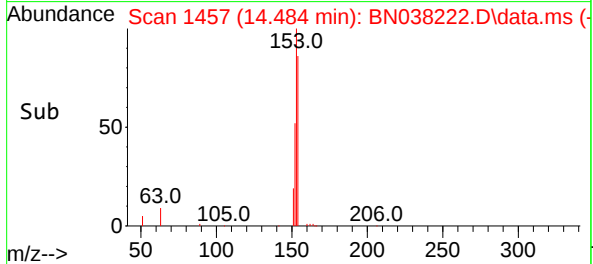
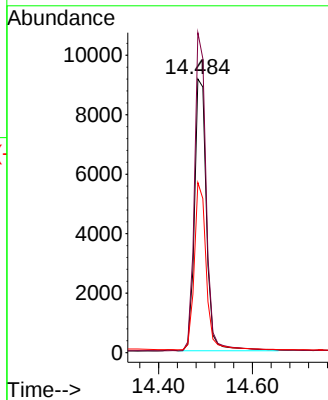
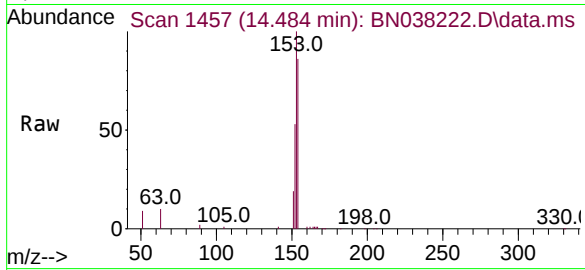




#17
Acenaphthene
Concen: 0.423 ng
RT: 14.484 min Scan# 1458
Delta R.T. -0.011 min
Lab File: BN038222.D
Acq: 01 Dec 2025 10:23

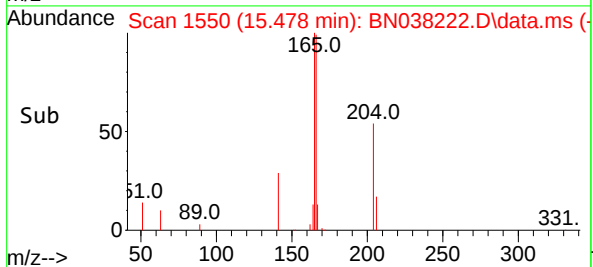
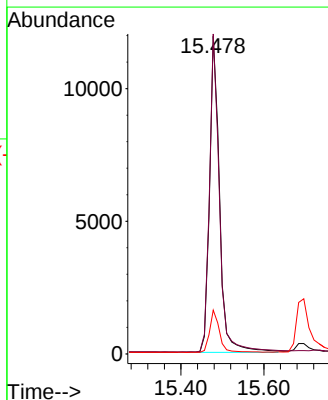
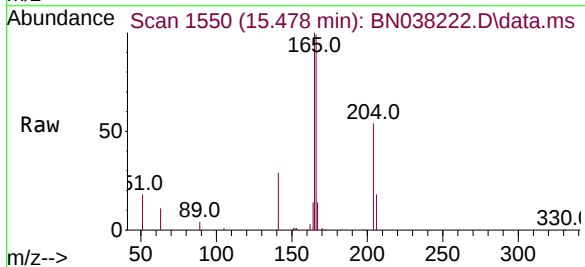
Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

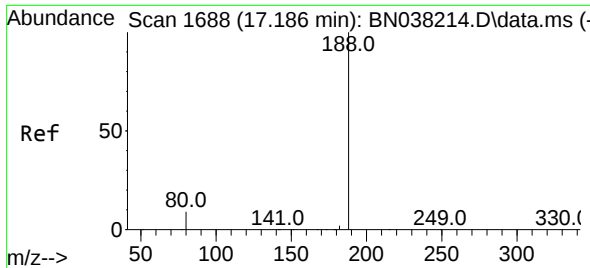
Tgt Ion:154 Resp: 16308
Ion Ratio Lower Upper
154 100
153 114.7 91.1 136.7
152 60.9 48.2 72.2



#18
Fluorene
Concen: 0.426 ng
RT: 15.478 min Scan# 1550
Delta R.T. 0.000 min
Lab File: BN038222.D
Acq: 01 Dec 2025 10:23

Tgt Ion:166 Resp: 21287
Ion Ratio Lower Upper
166 100
165 98.8 78.7 118.1
167 13.2 10.9 16.3

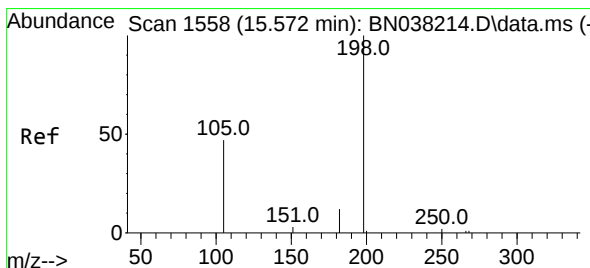
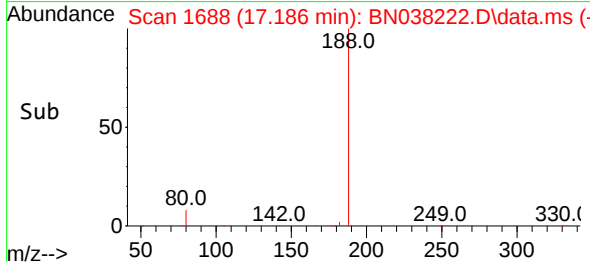
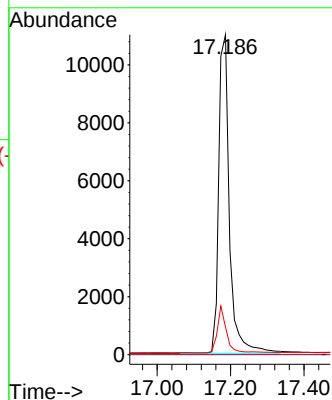
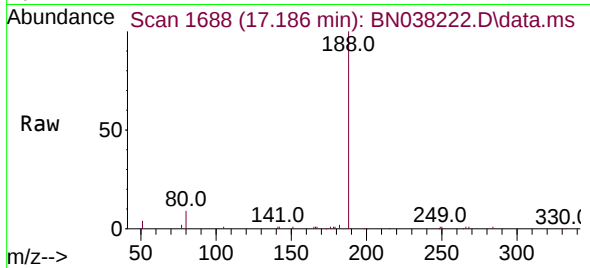




#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.186 min Scan# 1688
Delta R.T. 0.000 min
Lab File: BN038222.D
Acq: 01 Dec 2025 10:23

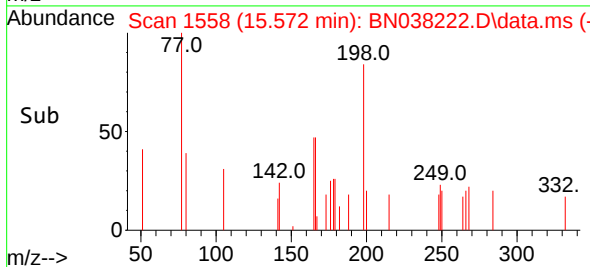
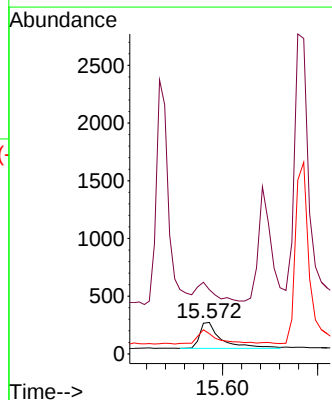
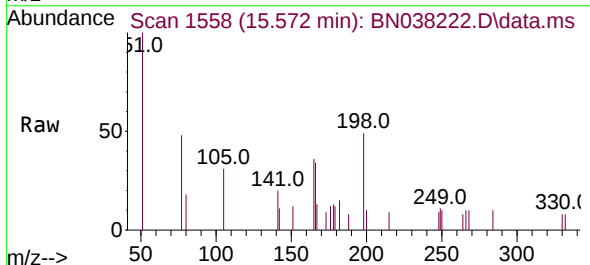
Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

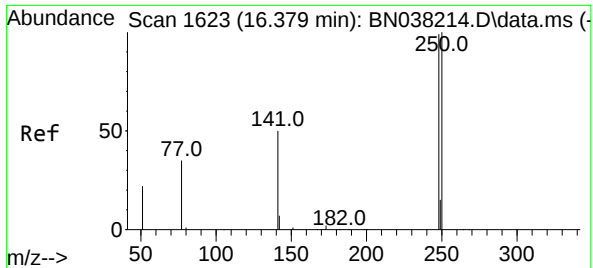
Tgt Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	8.6	7.7	11.5



#20
4,6-Dinitro-2-methylphenol
Concen: 0.465 ng
RT: 15.572 min Scan# 1558
Delta R.T. 0.000 min
Lab File: BN038222.D
Acq: 01 Dec 2025 10:23

Tgt Ion	Ratio	Lower	Upper
198	100		
51	204.0	205.1	307.7#
105	64.1	61.6	92.4

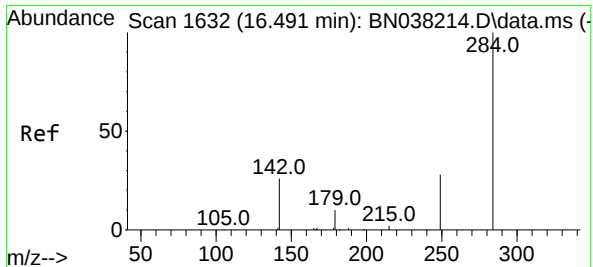
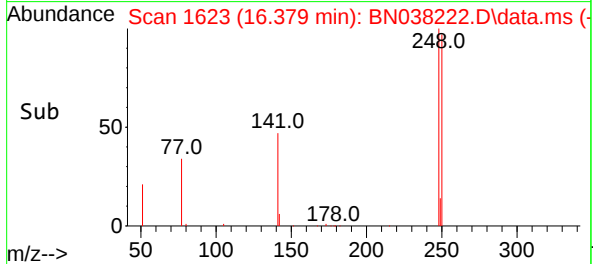
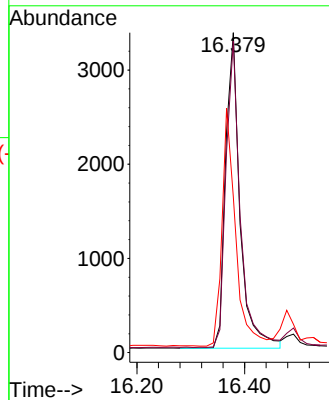
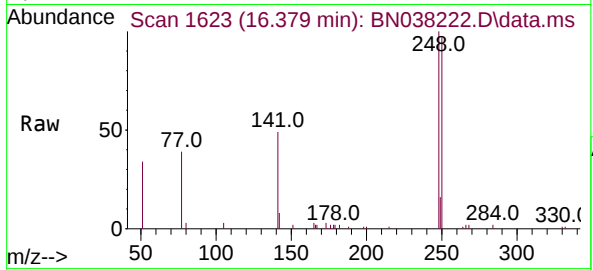




#21
4-Bromophenyl-phenylether
Concen: 0.402 ng
RT: 16.379 min Scan# 1623
Delta R.T. 0.000 min
Lab File: BN038222.D
Acq: 01 Dec 2025 10:23

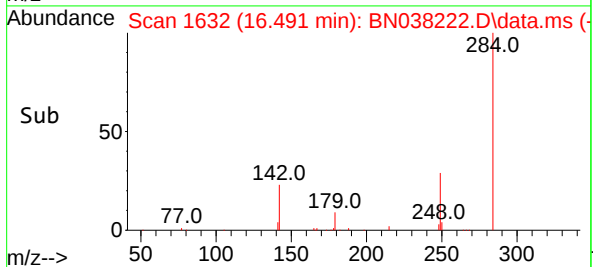
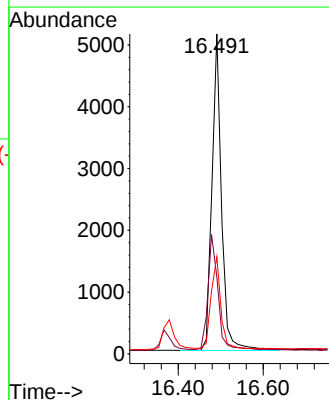
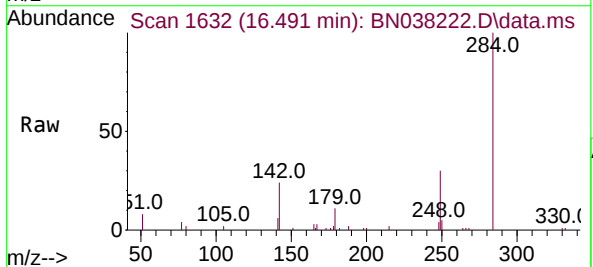
Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

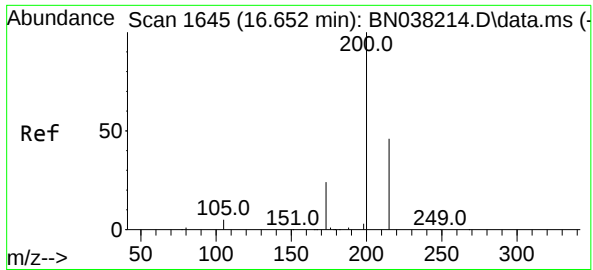
Tgt Ion	Ratio	Lower	Upper
248	100		
250	97.4	80.8	121.2
141	48.7	41.0	61.6



#22
Hexachlorobenzene
Concen: 0.420 ng
RT: 16.491 min Scan# 1632
Delta R.T. 0.000 min
Lab File: BN038222.D
Acq: 01 Dec 2025 10:23

Tgt Ion	Ratio	Lower	Upper
284	100		
142	37.9	30.5	45.7
249	29.6	23.8	35.8

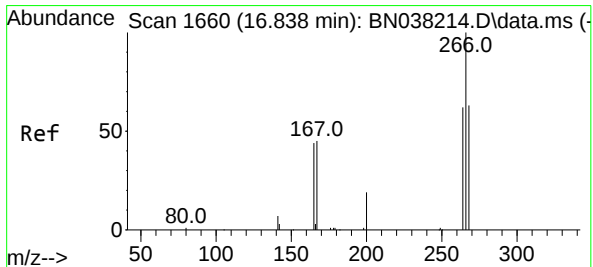
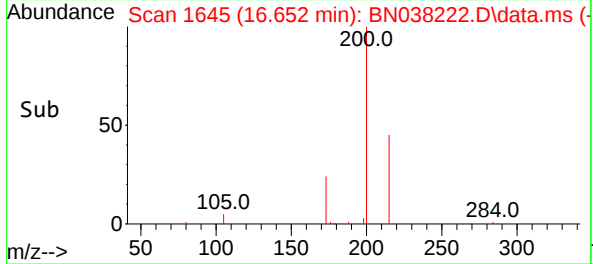
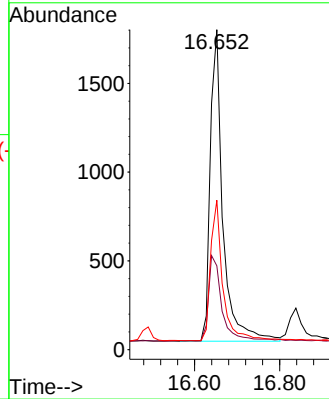
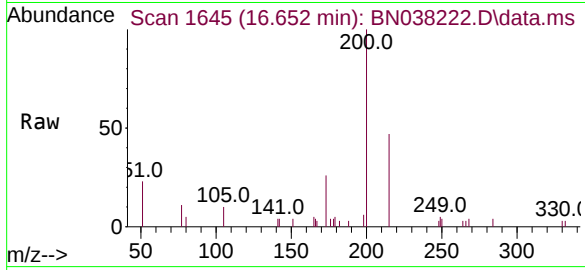




#23
Atrazine
Concen: 0.366 ng
RT: 16.652 min Scan# 1645
Delta R.T. 0.000 min
Lab File: BN038222.D
Acq: 01 Dec 2025 10:23

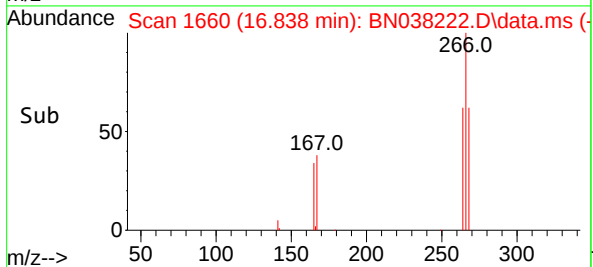
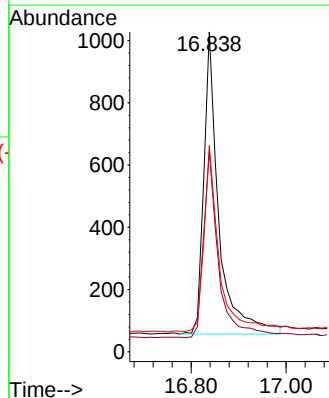
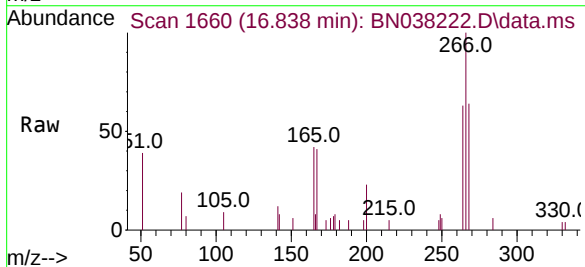
Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

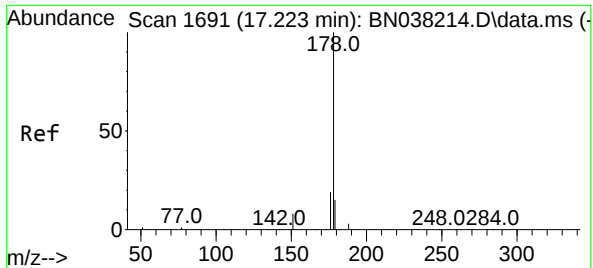
Tgt Ion	Ratio	Lower	Upper
200	100		
173	26.2	21.0	31.6
215	46.7	37.8	56.8



#24
Pentachlorophenol
Concen: 0.407 ng
RT: 16.838 min Scan# 1660
Delta R.T. 0.000 min
Lab File: BN038222.D
Acq: 01 Dec 2025 10:23

Tgt Ion	Ratio	Lower	Upper
266	100		
264	61.7	48.9	73.3
268	62.9	50.2	75.2

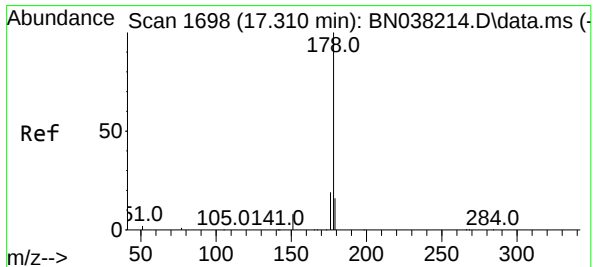
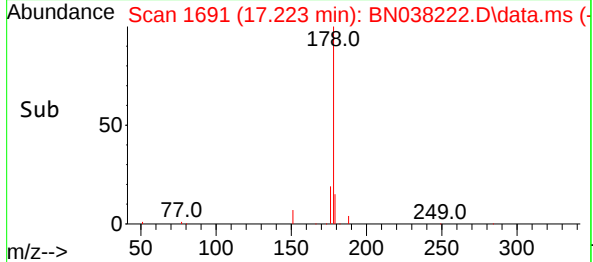
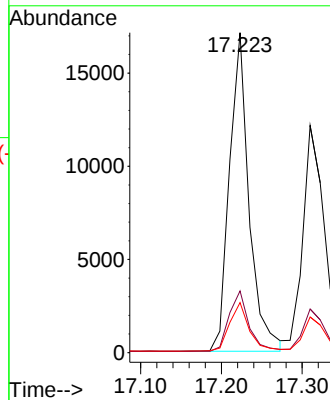
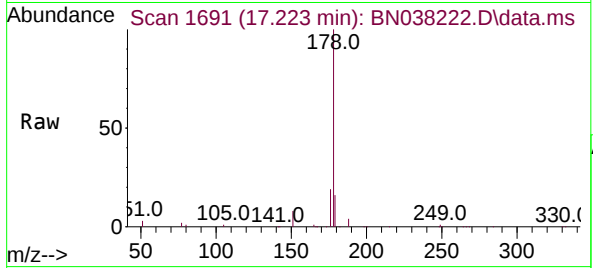




#25
Phenanthrene
Concen: 0.412 ng
RT: 17.223 min Scan# 1691
Delta R.T. 0.000 min
Lab File: BN038222.D
Acq: 01 Dec 2025 10:23

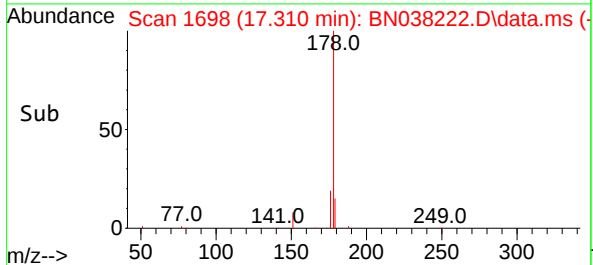
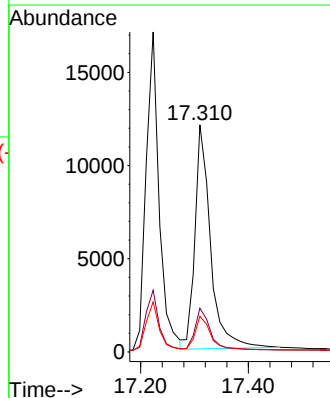
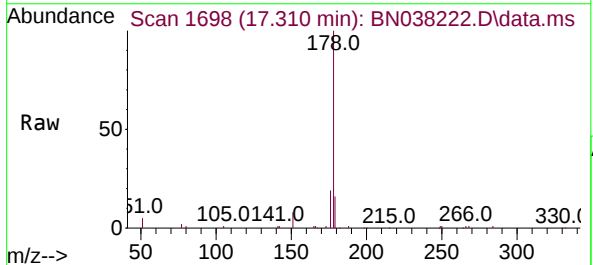
Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

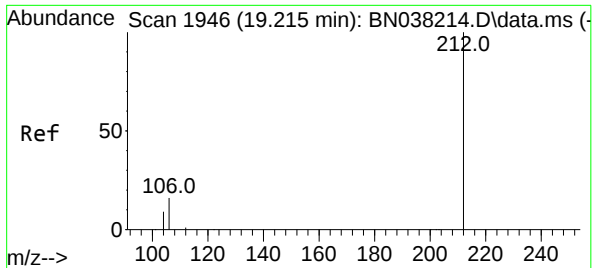
Tgt Ion:178 Resp: 28839
Ion Ratio Lower Upper
178 100
176 19.2 15.3 22.9
179 15.4 12.0 18.0



#26
Anthracene
Concen: 0.405 ng
RT: 17.310 min Scan# 1698
Delta R.T. 0.000 min
Lab File: BN038222.D
Acq: 01 Dec 2025 10:23

Tgt Ion:178 Resp: 24199
Ion Ratio Lower Upper
178 100
176 18.8 14.7 22.1
179 15.2 12.3 18.5





#27

Fluoranthene-d10

Concen: 0.421 ng

RT: 19.215 min Scan# 1946

Delta R.T. 0.000 min

Lab File: BN038222.D

Acq: 01 Dec 2025 10:23

Instrument :

BNA_N

ClientSampleId :

SSTDCCC0.4

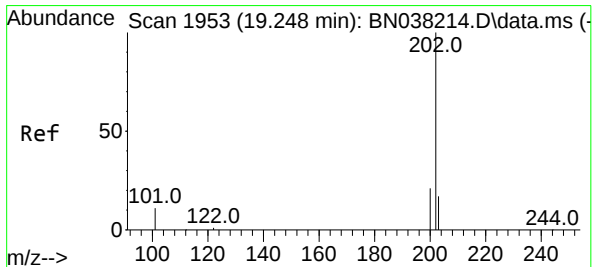
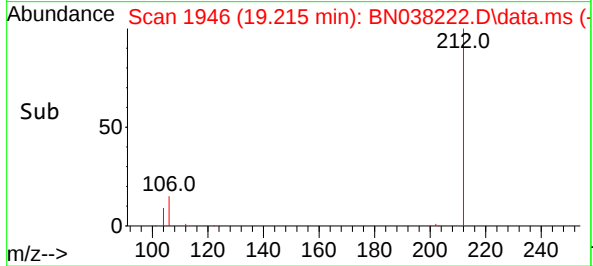
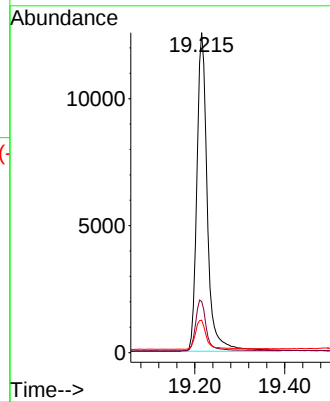
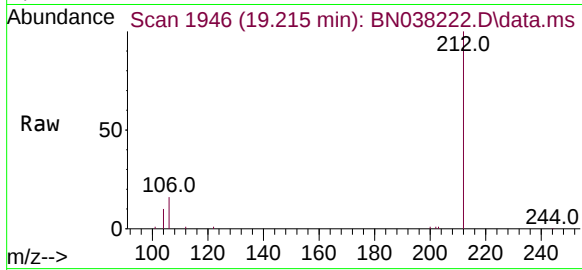
Tgt Ion:212 Resp: 20388

Ion Ratio Lower Upper

212 100

106 16.3 12.7 19.1

104 9.6 7.3 10.9



#28

Fluoranthene

Concen: 0.435 ng

RT: 19.243 min Scan# 1952

Delta R.T. -0.005 min

Lab File: BN038222.D

Acq: 01 Dec 2025 10:23

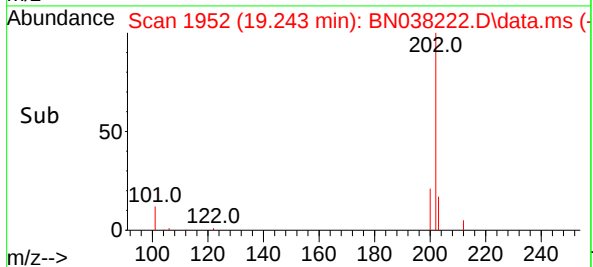
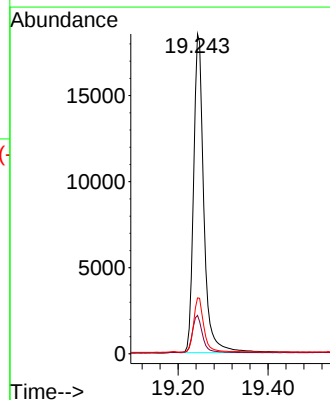
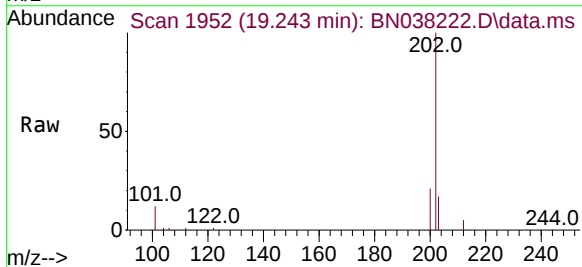
Tgt Ion:202 Resp: 29360

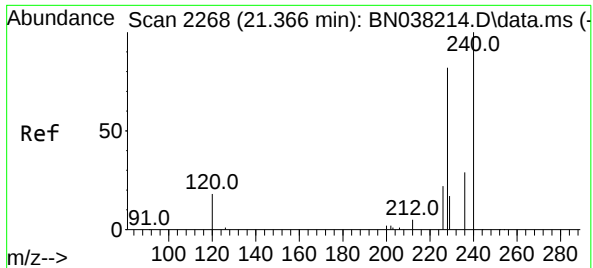
Ion Ratio Lower Upper

202 100

101 12.0 9.8 14.6

203 17.1 13.6 20.4

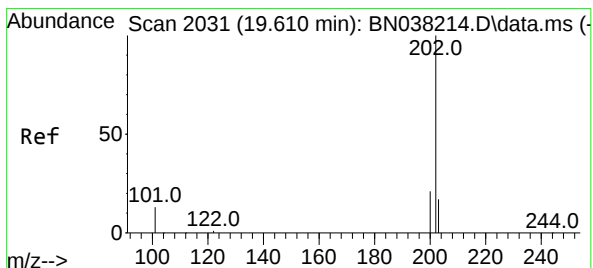
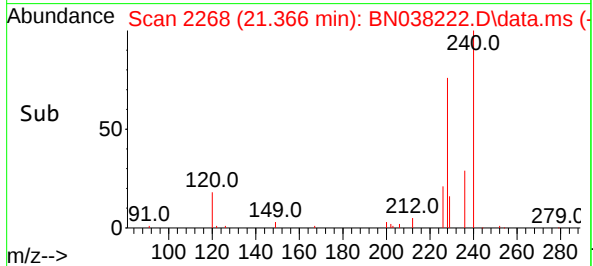
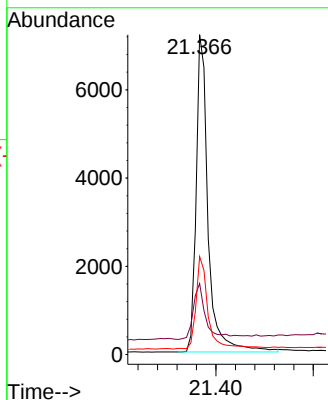
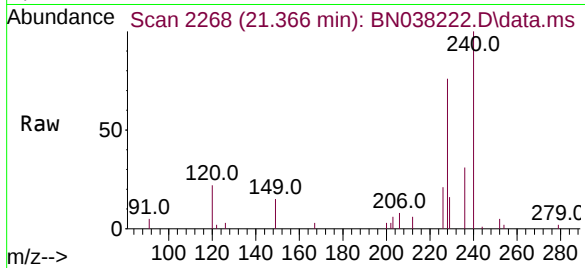




#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.366 min Scan# 21
Delta R.T. 0.000 min
Lab File: BN038222.D
Acq: 01 Dec 2025 10:23

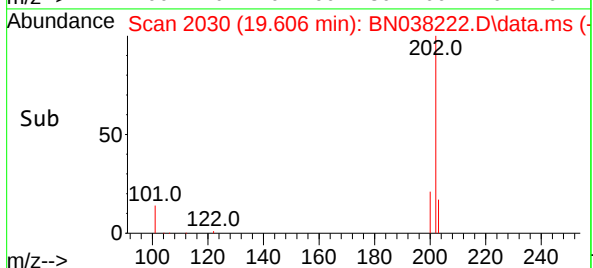
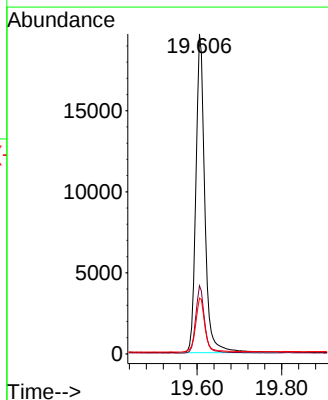
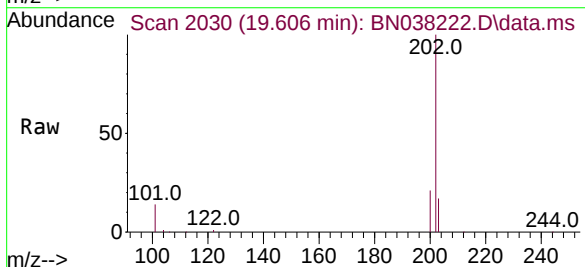
Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

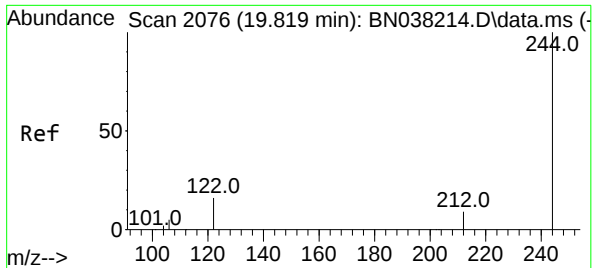
Tgt Ion	Ratio	Lower	Upper
240	100		
120	22.2	18.1	27.1
236	30.6	24.2	36.4



#30
Pyrene
Concen: 0.472 ng
RT: 19.606 min Scan# 2030
Delta R.T. -0.005 min
Lab File: BN038222.D
Acq: 01 Dec 2025 10:23

Tgt Ion	Ratio	Lower	Upper
202	100		
200	20.8	16.8	25.2
203	17.5	14.4	21.6





#31
Terphenyl-d14
Concen: 0.419 ng
RT: 19.815 min Scan# 2076
Delta R.T. -0.005 min
Lab File: BN038222.D
Acq: 01 Dec 2025 10:23

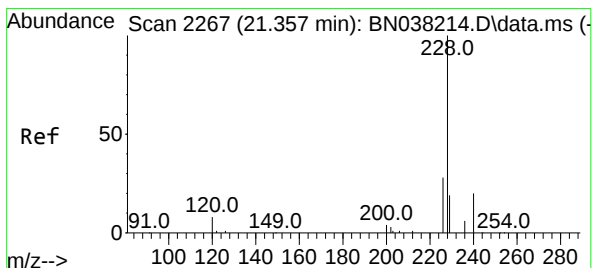
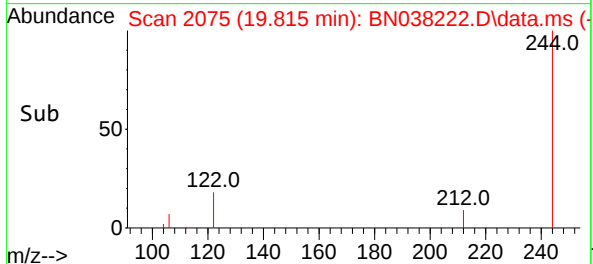
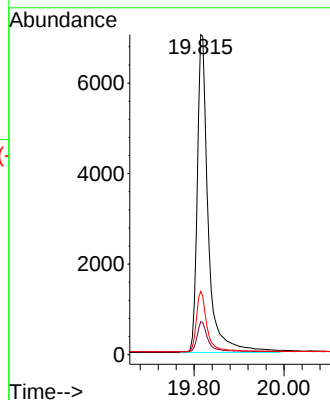
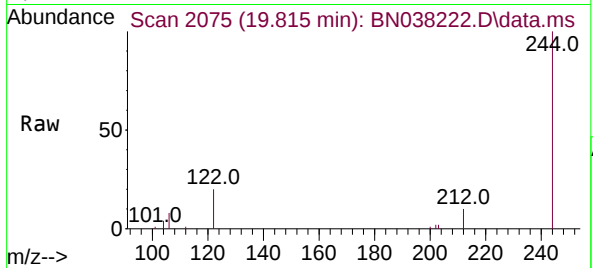
Instrument :

BNA_N

ClientSampleId :

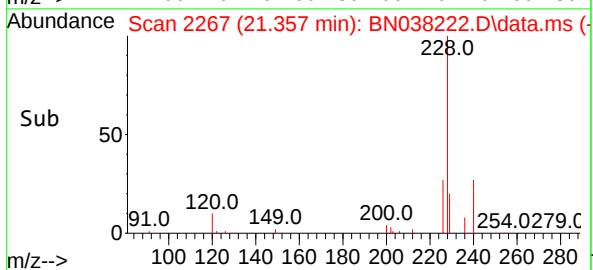
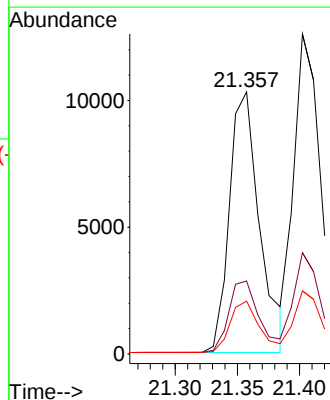
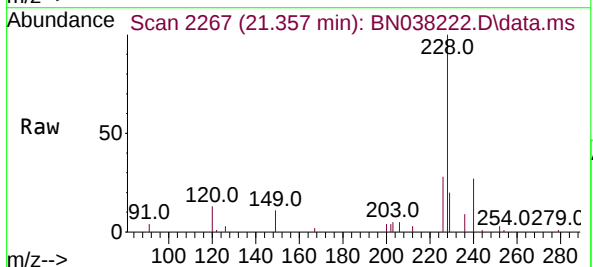
SSTDCCC0.4

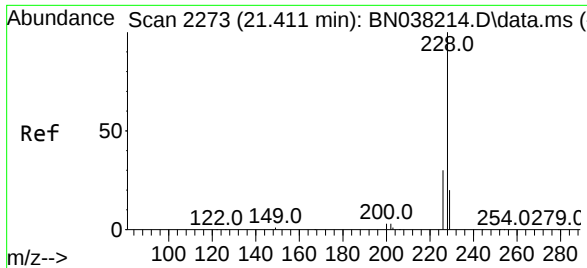
Tgt Ion	Ratio	Lower	Upper
244	100		
212	10.3	7.7	11.5
122	19.7	13.6	20.4



#32
Benzo(a)anthracene
Concen: 0.418 ng
RT: 21.357 min Scan# 2267
Delta R.T. 0.000 min
Lab File: BN038222.D
Acq: 01 Dec 2025 10:23

Tgt Ion	Ratio	Lower	Upper
228	100		
226	27.8	22.6	33.8
229	20.1	15.8	23.8

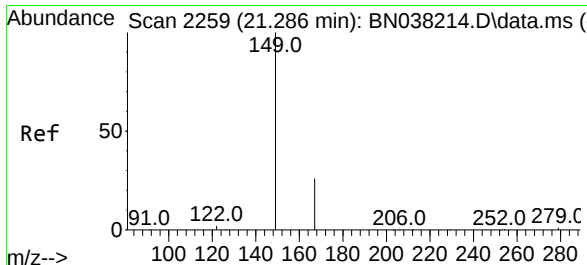
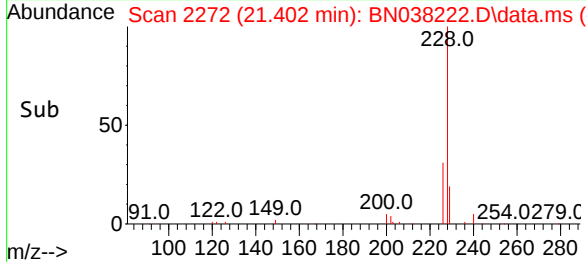
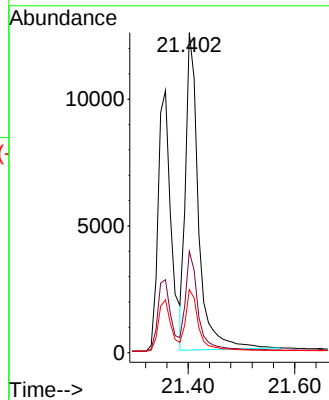
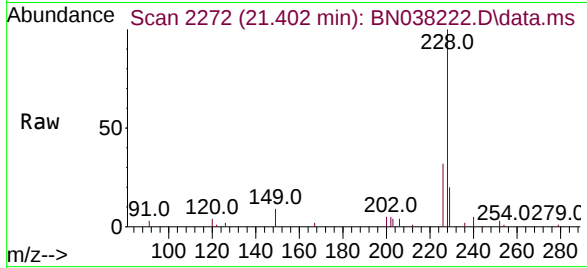




#33
Chrysene
Concen: 0.432 ng
RT: 21.402 min Scan# 21193
Delta R.T. -0.009 min
Lab File: BN038222.D
Acq: 01 Dec 2025 10:23

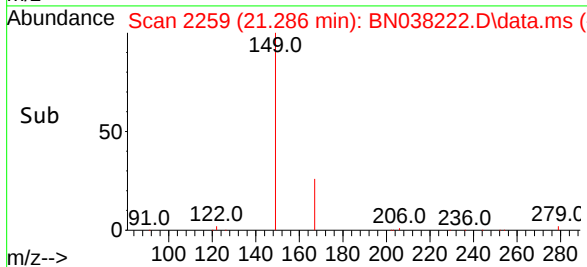
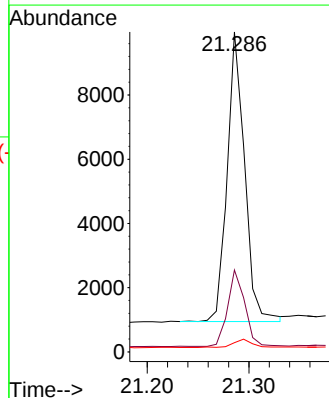
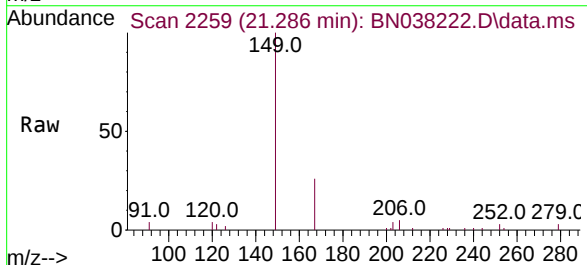
Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

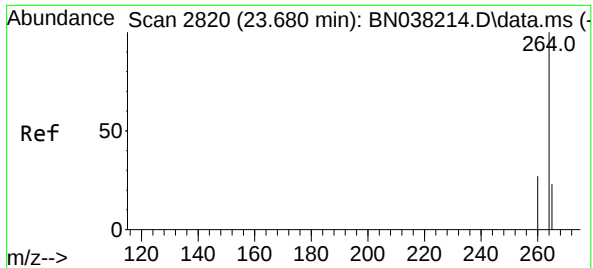
Tgt Ion	Ratio	Lower	Upper
228	100		
226	31.6	23.8	35.8
229	19.7	16.1	24.1



#34
Bis(2-ethylhexyl)phthalate
Concen: 0.474 ng
RT: 21.286 min Scan# 2259
Delta R.T. 0.000 min
Lab File: BN038222.D
Acq: 01 Dec 2025 10:23

Tgt Ion	Ratio	Lower	Upper
149	100		
167	26.0	20.7	31.1
279	3.4	2.5	3.7

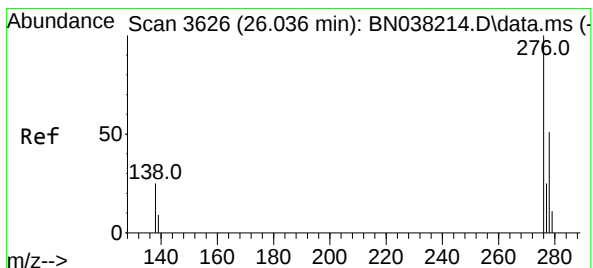
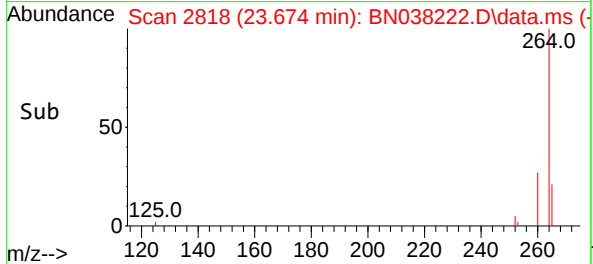
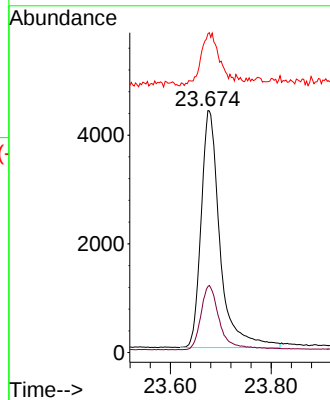
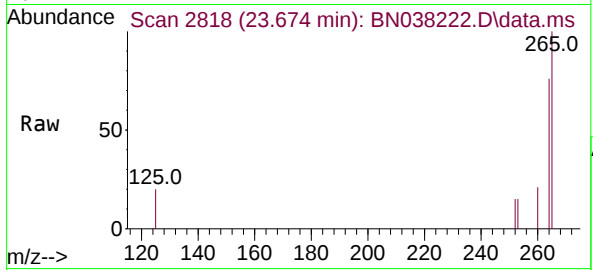




#35
Perylene-d12
Concen: 0.400 ng
RT: 23.674 min Scan# 2818
Delta R.T. -0.006 min
Lab File: BN038222.D
Acq: 01 Dec 2025 10:23

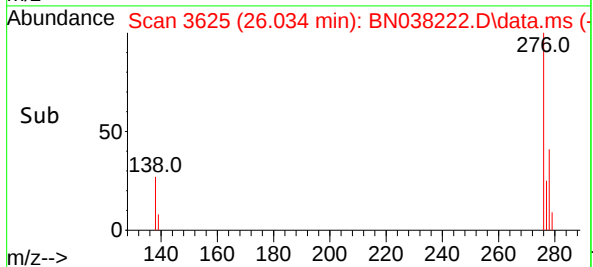
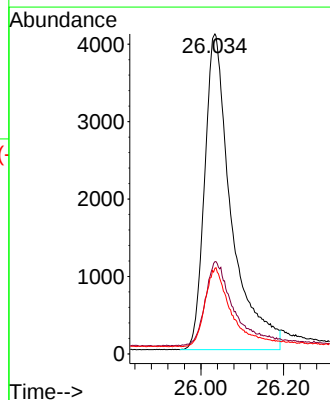
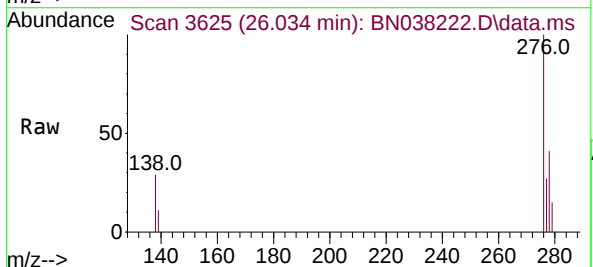
Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

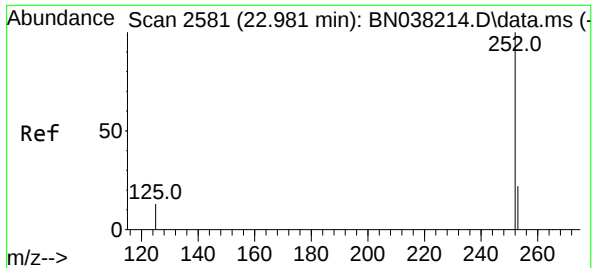
Tgt Ion:264 Resp: 11359
Ion Ratio Lower Upper
264 100
260 27.3 21.7 32.5
265 131.7 98.0 147.0



#36
Indeno(1,2,3-cd)pyrene
Concen: 0.348 ng
RT: 26.034 min Scan# 3625
Delta R.T. -0.003 min
Lab File: BN038222.D
Acq: 01 Dec 2025 10:23

Tgt Ion:276 Resp: 18289
Ion Ratio Lower Upper
276 100
138 28.4 21.4 32.2
277 24.7 19.1 28.7





#37

Benzo(b)fluoranthene

Concen: 0.414 ng

RT: 22.978 min Scan# 2580

Delta R.T. -0.003 min

Lab File: BN038222.D

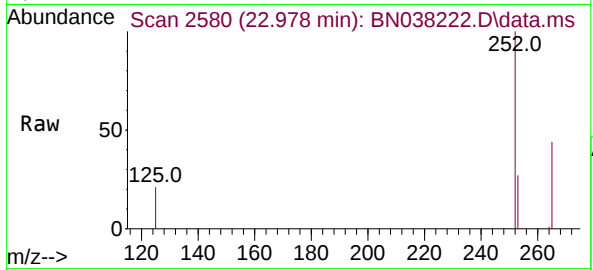
Acq: 01 Dec 2025 10:23

Instrument :

BNA_N

ClientSampleId :

SSTDCCC0.4



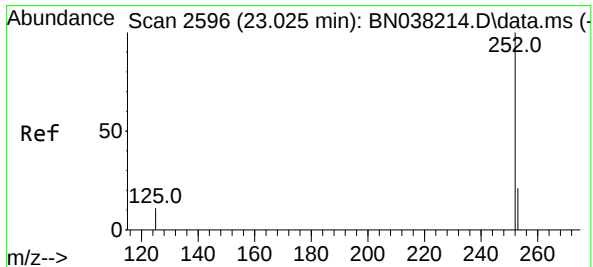
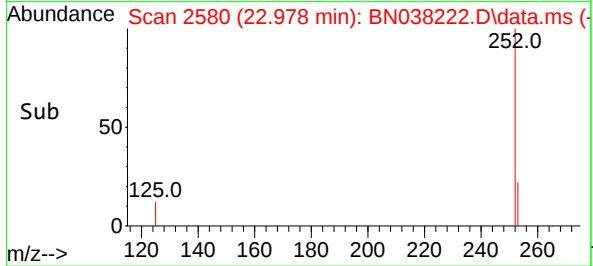
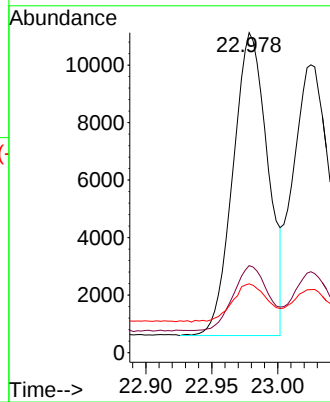
Tgt Ion:252 Resp: 19304

Ion Ratio Lower Upper

252 100

253 27.2 22.2 33.4

125 21.5 18.0 27.0



#38

Benzo(k)fluoranthene

Concen: 0.419 ng

RT: 23.025 min Scan# 2596

Delta R.T. 0.000 min

Lab File: BN038222.D

Acq: 01 Dec 2025 10:23

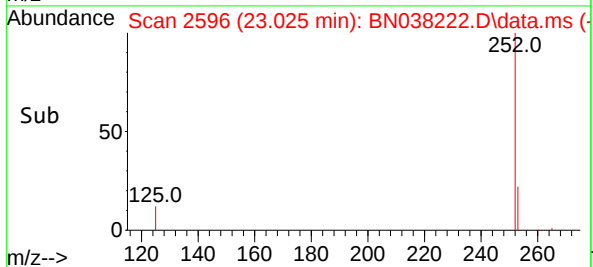
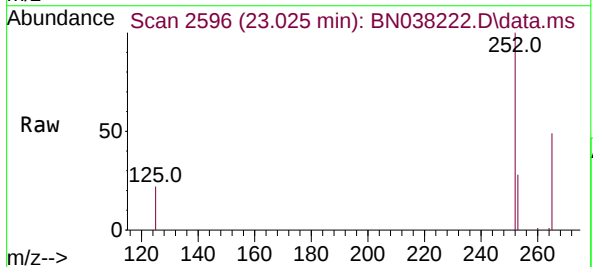
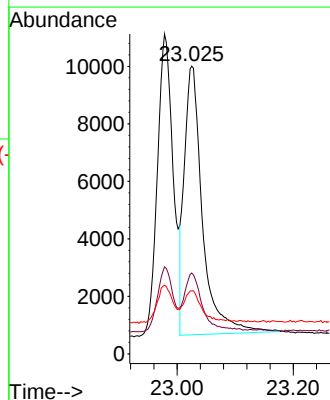
Tgt Ion:252 Resp: 20292

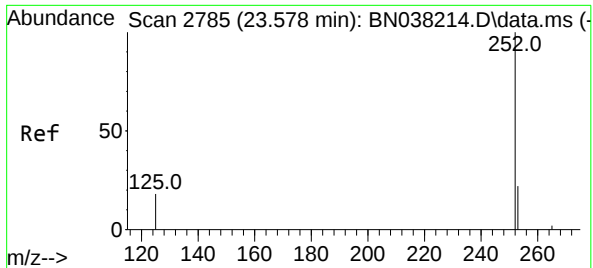
Ion Ratio Lower Upper

252 100

253 28.1 22.4 33.6

125 21.9 17.5 26.3





#39

Benzo(a)pyrene

Concen: 0.391 ng

RT: 23.575 min Scan# 21

Delta R.T. -0.003 min

Lab File: BN038222.D

Acq: 01 Dec 2025 10:23

Instrument :

BNA_N

ClientSampleId :

SSTDCCC0.4

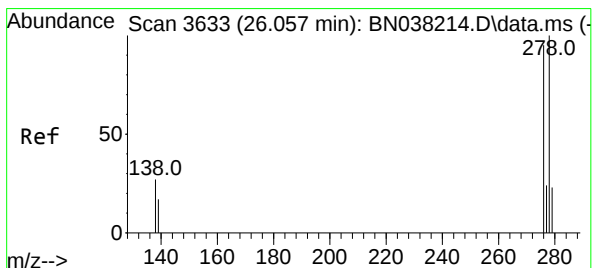
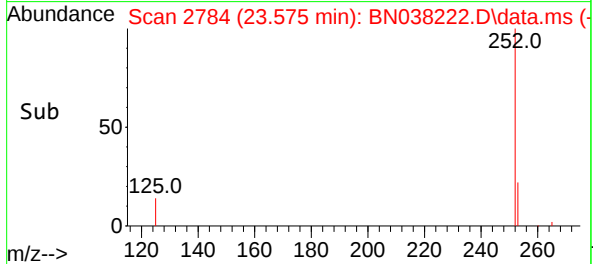
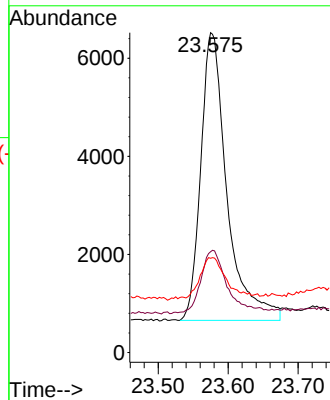
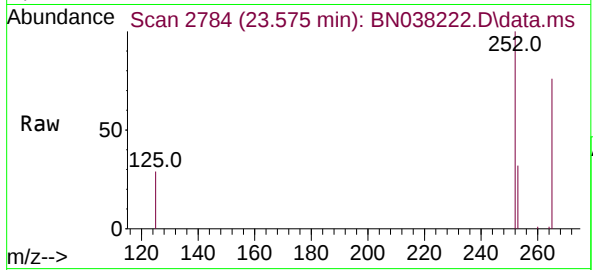
Tgt Ion:252 Resp: 15267

Ion Ratio Lower Upper

252 100

253 31.5 25.3 37.9

125 29.5 25.2 37.8



#40

Dibenzo(a,h)anthracene

Concen: 0.324 ng

RT: 26.057 min Scan# 3633

Delta R.T. 0.000 min

Lab File: BN038222.D

Acq: 01 Dec 2025 10:23

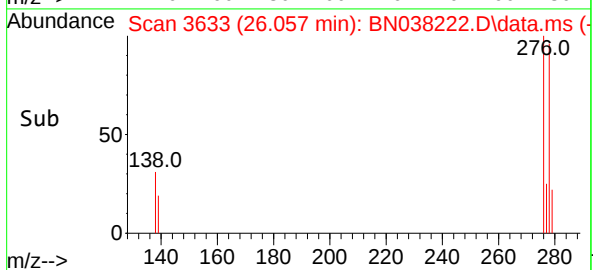
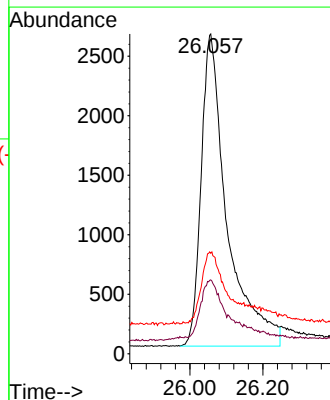
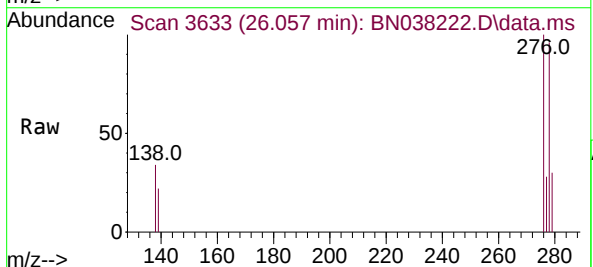
Tgt Ion:278 Resp: 12904

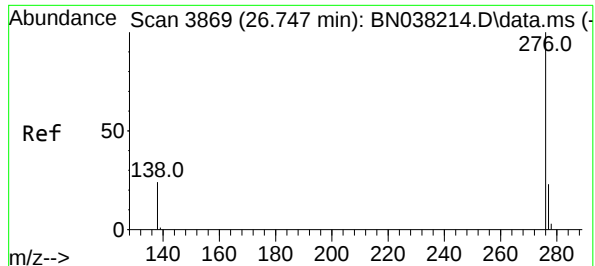
Ion Ratio Lower Upper

278 100

139 23.1 17.6 26.4

279 31.4 24.2 36.4





#41

Benzo(g,h,i)perylene

Concen: 0.400 ng

RT: 26.747 min Scan# 3869

Delta R.T. 0.000 min

Lab File: BN038222.D

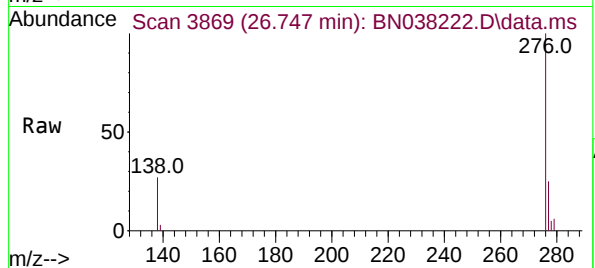
Acq: 01 Dec 2025 10:23

Instrument :

BNA_N

ClientSampleId :

SSTDCCC0.4



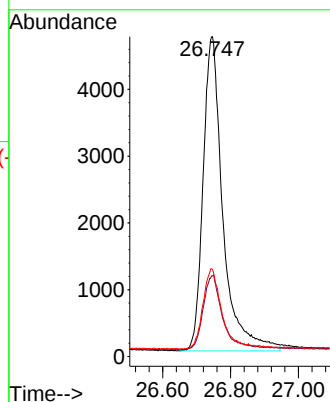
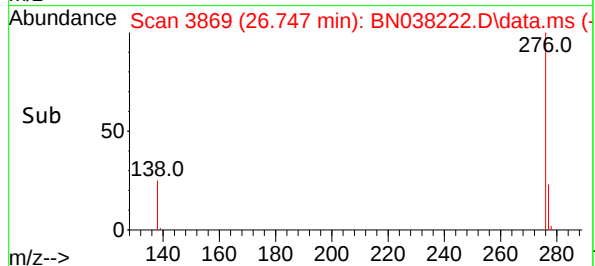
Tgt Ion:276 Resp: 19028

Ion Ratio Lower Upper

276 100

277 25.2 20.2 30.2

138 27.3 20.8 31.2



Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN120125\
 Data File : BN038222.D
 Acq On : 01 Dec 2025 10:23
 Operator : RC/JU
 Sample : SSTDCCC0.4
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_N
 LabSampleId :
 SSTDCCC0.4

Quant Time: Dec 01 10:47:25 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN112725.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Nov 28 21:04:10 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	98	0.00
2	1,4-Dioxane	0.421	0.434	-3.1	95	0.00
3	n-Nitrosodimethylamine	0.520	0.540	-3.8	98	0.00
4 S	2-Fluorophenol	0.935	0.918	1.8	91	0.00
5 S	Phenol-d6	1.168	1.147	1.8	93	0.00
6	bis(2-Chloroethyl)ether	1.118	1.183	-5.8	98	0.00
7 I	Naphthalene-d8	1.000	1.000	0.0	96	-0.01
8 S	Nitrobenzene-d5	0.320	0.313	2.2	97	0.00
9	Naphthalene	1.111	1.175	-5.8	98	0.00
10	Hexachlorobutadiene	0.189	0.206	-9.0	99	0.00
11 SURR	2-Methylnaphthalene-d10	0.568	0.586	-3.2	96	0.00
12	2-Methylnaphthalene	0.731	0.767	-4.9	97	0.00
13 I	Acenaphthene-d10	1.000	1.000	0.0	94	0.00
14 S	2,4,6-Tribromophenol	0.126	0.135	-7.1	102	0.00
15 S	2-Fluorobiphenyl	1.545	1.642	-6.3	97	0.00
16	Acenaphthylene	1.789	1.856	-3.7	96	0.00
17	Acenaphthene	1.247	1.318	-5.7	95	-0.01
18	Fluorene	1.614	1.720	-6.6	97	0.00
19 I	Phenanthrene-d10	1.000	1.000	0.0	102	0.00
20	4,6-Dinitro-2-methylphenol	0.042	0.032	23.8	125	0.00
21	4-Bromophenyl-phenylether	0.277	0.279	-0.7	100	0.00
22	Hexachlorobenzene	0.341	0.358	-5.0	102	0.00
23	Atrazine	0.177	0.162	8.5	95	0.00
24	Pentachlorophenol	0.093	0.095	-2.2	115	0.00
25	Phenanthrene	1.256	1.292	-2.9	101	0.00
26	Anthracene	1.071	1.084	-1.2	104	0.00
27 SURR	Fluoranthene-d10	0.868	0.913	-5.2	105	0.00
28	Fluoranthene	1.210	1.315	-8.7	110	0.00
29 I	Chrysene-d12	1.000	1.000	0.0	96	0.00
30	Pyrene	1.998	2.356	-17.9	108	0.00
31 S	Terphenyl-d14	0.924	0.969	-4.9	97	0.00
32	Benzo(a)anthracene	1.355	1.417	-4.6	99	0.00
33	Chrysene	1.599	1.727	-8.0	100	0.00
34	Bis(2-ethylhexyl)phthalate	0.742	0.879	-18.5	105	0.00
35 I	Perylene-d12	1.000	1.000	0.0	95	0.00
36	Indeno(1,2,3-cd)pyrene	1.851	1.610	13.0	82	0.00
37	Benzo(b)fluoranthene	1.642	1.699	-3.5	95	0.00
38	Benzo(k)fluoranthene	1.707	1.786	-4.6	97	0.00
39 C	Benzo(a)pyrene	1.376	1.344	2.3	92	0.00
40	Dibenzo(a,h)anthracene	1.401	1.136	18.9	78	0.00
41	Benzo(g,h,i)perylene	1.674	1.675	-0.1	92	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\BN120125\
 Data File : BN038222.D
 Acq On : 01 Dec 2025 10:23
 Operator : RC/JU
 Sample : SSTDCCC0.4
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_N
 LabSampleId :
 SSTDCCC0.4

Quant Time: Dec 01 10:47:25 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN112725.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Nov 28 21:04:10 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	98	0.00
2	1,4-Dioxane	0.400	0.412	-3.0	95	0.00
3	n-Nitrosodimethylamine	0.400	0.416	-4.0	98	0.00
4 S	2-Fluorophenol	0.400	0.393	1.8	91	0.00
5 S	Phenol-d6	0.400	0.393	1.8	93	0.00
6	bis(2-Chloroethyl)ether	0.400	0.423	-5.7	98	0.00
7 I	Naphthalene-d8	0.400	0.400	0.0	96	-0.01
8 S	Nitrobenzene-d5	0.400	0.391	2.3	97	0.00
9	Naphthalene	0.400	0.423	-5.7	98	0.00
10	Hexachlorobutadiene	0.400	0.437	-9.2	99	0.00
11 SURR	2-Methylnaphthalene-d10	0.400	0.413	-3.2	96	0.00
12	2-Methylnaphthalene	0.400	0.420	-5.0	97	0.00
13 I	Acenaphthene-d10	0.400	0.400	0.0	94	0.00
14 S	2,4,6-Tribromophenol	0.400	0.429	-7.2	102	0.00
15 S	2-Fluorobiphenyl	0.400	0.425	-6.2	97	0.00
16	Acenaphthylene	0.400	0.415	-3.7	96	0.00
17	Acenaphthene	0.400	0.423	-5.7	95	-0.01
18	Fluorene	0.400	0.426	-6.5	97	0.00
19 I	Phenanthrene-d10	0.400	0.400	0.0	102	0.00
20	4,6-Dinitro-2-methylphenol	0.400	0.465	-16.3	125	0.00
21	4-Bromophenyl-phenylether	0.400	0.402	-0.5	100	0.00
22	Hexachlorobenzene	0.400	0.420	-5.0	102	0.00
23	Atrazine	0.400	0.366	8.5	95	0.00
24	Pentachlorophenol	0.400	0.407	-1.7	115	0.00
25	Phenanthrene	0.400	0.412	-3.0	101	0.00
26	Anthracene	0.400	0.405	-1.3	104	0.00
27 SURR	Fluoranthene-d10	0.400	0.421	-5.2	105	0.00
28	Fluoranthene	0.400	0.435	-8.7	110	0.00
29 I	Chrysene-d12	0.400	0.400	0.0	96	0.00
30	Pyrene	0.400	0.472	-18.0	108	0.00
31 S	Terphenyl-d14	0.400	0.419	-4.7	97	0.00
32	Benzo(a)anthracene	0.400	0.418	-4.5	99	0.00
33	Chrysene	0.400	0.432	-8.0	100	0.00
34	Bis(2-ethylhexyl)phthalate	0.400	0.474	-18.5	105	0.00
35 I	Perylene-d12	0.400	0.400	0.0	95	0.00
36	Indeno(1,2,3-cd)pyrene	0.400	0.348	13.0	82	0.00
37	Benzo(b)fluoranthene	0.400	0.414	-3.5	95	0.00
38	Benzo(k)fluoranthene	0.400	0.419	-4.7	97	0.00
39 C	Benzo(a)pyrene	0.400	0.391	2.3	92	0.00
40	Dibenzo(a,h)anthracene	0.400	0.324	19.0	78	0.00
41	Benzo(g,h,i)perylene	0.400	0.400	0.0	92	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: Alliance Contract: ENTA05
 Lab Code: ACE SDG No.: Q3618
 Instrument ID: BNA_N Calibration Date/Time: 12/01/2025 17:51
 Lab File ID: BN038230.D Init. Calib. Date(s): 11/26/2025 11/27/2025
 EPA Sample No.: SSTDCCC0.4 Init. Calib. Time(s): 20:35 00:13
 GC Column: ZB-GR ID: 0.25 (mm)

COMPOUND	RRF	RRF0.4	MIN RRF	%D	MAX%D
2-Methylnaphthalene-d10	0.568	0.591		4.0	20.0
Fluoranthene-d10	0.868	0.851		-2.0	20.0
2-Fluorophenol	0.935	0.944		1.0	20.0
Phenol-d6	1.168	1.204		3.1	20.0
Nitrobenzene-d5	0.320	0.317		-0.9	20.0
2-Fluorobiphenyl	1.545	1.656		7.2	20.0
2,4,6-Tribromophenol	0.126	0.139		10.3	20.0
Terphenyl-d14	0.924	0.961		4.0	20.0
1,4-Dioxane	0.421	0.451		7.1	20.0

All other compounds must meet a minimum RRF of 0.010.

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN120125\
 Data File : BN038230.D
 Acq On : 01 Dec 2025 17:51
 Operator : RC/JU
 Sample : SSTDCCC0.4
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 SSTDCCC0.4

Quant Time: Dec 01 18:21:10 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN112725.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Nov 28 21:04:10 2025
 Response via : Initial Calibration

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

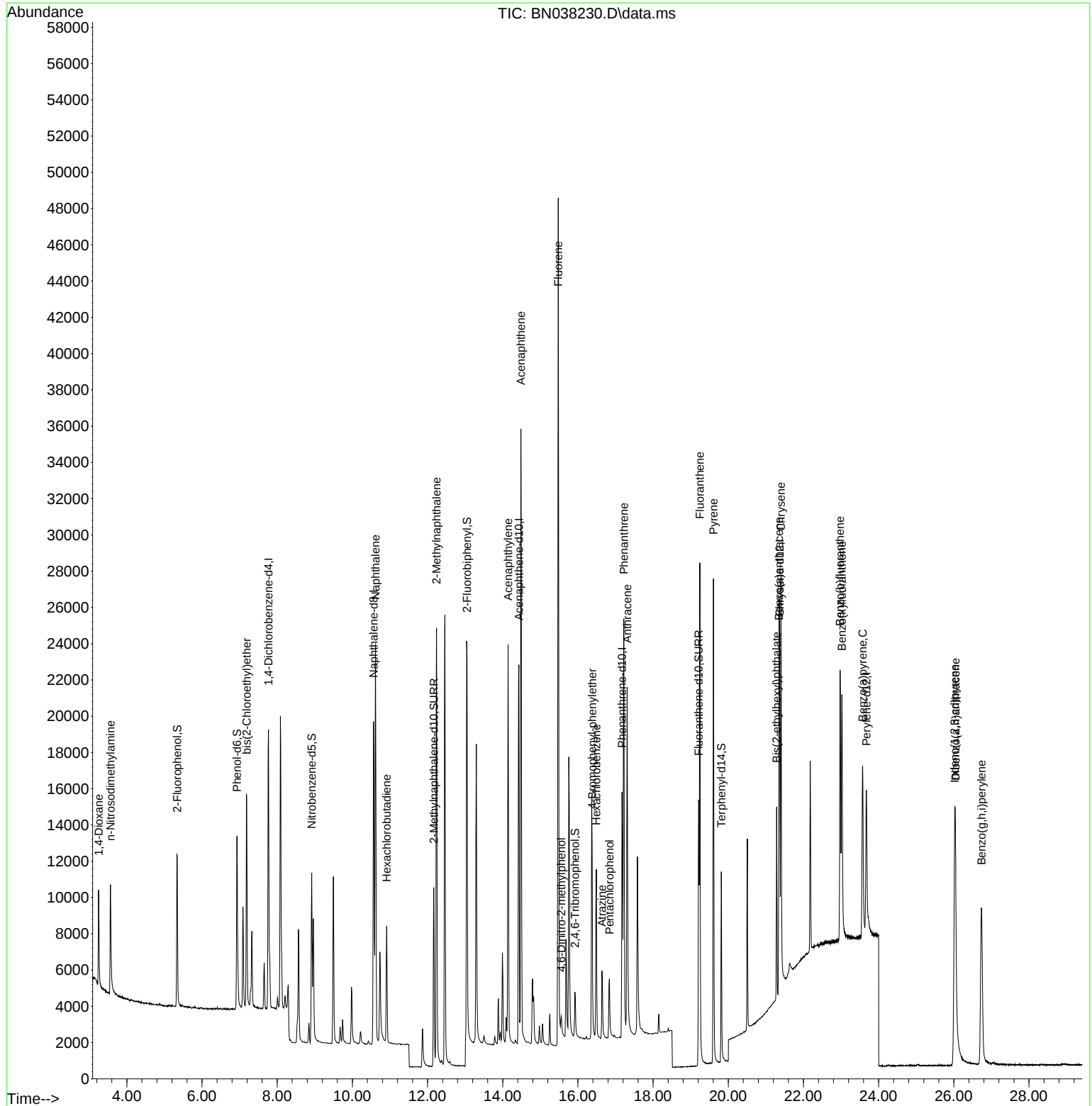
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.768	152	8054	0.400	ng	0.00
7) Naphthalene-d8	10.562	136	24560	0.400	ng	#-0.01
13) Acenaphthene-d10	14.430	164	13292	0.400	ng	0.00
19) Phenanthrene-d10	17.173	188	21033	0.400	ng	#-0.01
29) Chrysene-d12	21.366	240	11703	0.400	ng	0.00
35) Perylene-d12	23.674	264	11756	0.400	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.341	112	7599	0.404	ng	0.00
5) Phenol-d6	6.930	99	9694	0.412	ng	0.00
8) Nitrobenzene-d5	8.918	82	7786	0.396	ng	0.00
11) 2-Methylnaphthalene-d10	12.167	152	14508	0.416	ng	0.00
14) 2,4,6-Tribromophenol	15.920	330	1841	0.440	ng	-0.01
15) 2-Fluorobiphenyl	13.051	172	22013	0.429	ng	0.00
27) Fluoranthene-d10	19.211	212	17901	0.392	ng	0.00
31) Terphenyl-d14	19.815	244	11251	0.416	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.254	88	3634	0.428	ng	99
3) n-Nitrosodimethylamine	3.564	42	4349	0.416	ng	98
6) bis(2-Chloroethyl)ether	7.190	93	9627	0.428	ng	98
9) Naphthalene	10.616	128	28944	0.424	ng	99
10) Hexachlorobutadiene	10.914	225	5122	0.442	ng	# 100
12) 2-Methylnaphthalene	12.238	142	18811	0.419	ng	98
16) Acenaphthylene	14.142	152	24999	0.421	ng	99
17) Acenaphthene	14.484	154	17563	0.424	ng	100
18) Fluorene	15.478	166	22309	0.416	ng	99
20) 4,6-Dinitro-2-methylph...	15.560	198	909	0.563	ng	# 49
21) 4-Bromophenyl-phenylether	16.379	248	6262	0.430	ng	94
22) Hexachlorobenzene	16.491	284	7993	0.446	ng	100
23) Atrazine	16.640	200	3766	0.405	ng	# 93
24) Pentachlorophenol	16.838	266	2201	0.448	ng	97
25) Phenanthrene	17.223	178	27475	0.416	ng	99
26) Anthracene	17.310	178	23318	0.414	ng	99
28) Fluoranthene	19.243	202	25815	0.406	ng	99
30) Pyrene	19.606	202	25312	0.433	ng	100
32) Benzo(a)anthracene	21.348	228	16944	0.428	ng	100
33) Chrysene	21.402	228	20596	0.440	ng	97
34) Bis(2-ethylhexyl)phtha...	21.286	149	9347	0.431	ng	99
36) Indeno(1,2,3-cd)pyrene	26.022	276	23141	0.425	ng	97
37) Benzo(b)fluoranthene	22.975	252	19476	0.404	ng	98
38) Benzo(k)fluoranthene	23.022	252	19637	0.391	ng	99
39) Benzo(a)pyrene	23.575	252	16399	0.405	ng	97
40) Dibenzo(a,h)anthracene	26.042	278	17617	0.428	ng	97
41) Benzo(g,h,i)perylene	26.738	276	20554	0.418	ng	99

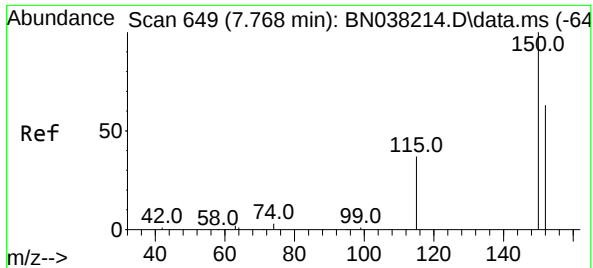
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN120125\
Data File : BN038230.D
Acq On : 01 Dec 2025 17:51
Operator : RC/JU
Sample : SSTDCCC0.4
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Quant Time: Dec 01 18:21:10 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN112725.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Nov 28 21:04:10 2025
Response via : Initial Calibration

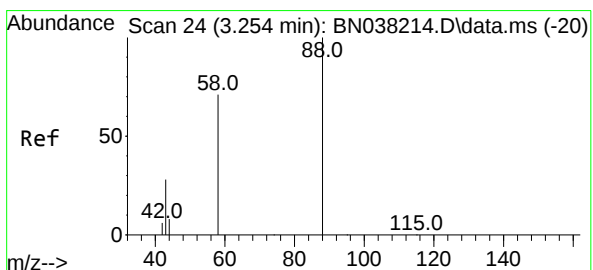
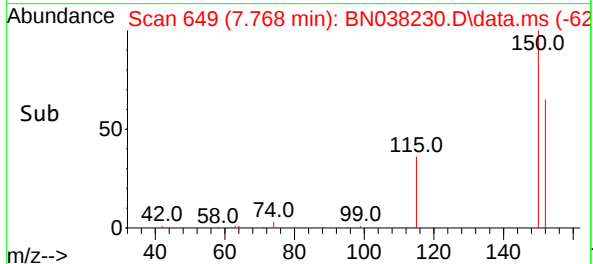
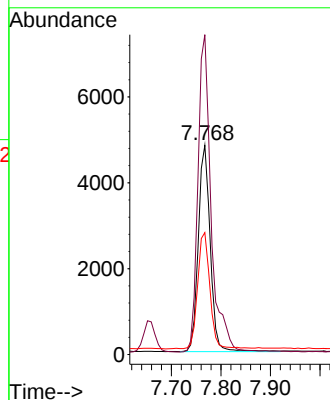
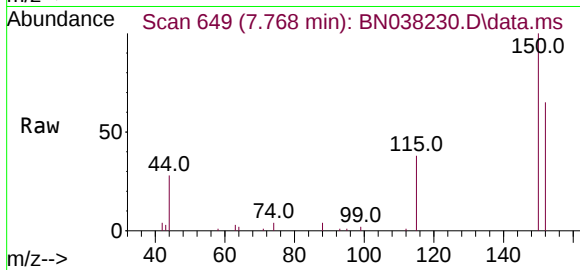




#1
 1,4-Dichlorobenzene-d4
 Concen: 0.400 ng
 RT: 7.768 min Scan# 64
 Delta R.T. -0.000 min
 Lab File: BN038230.D
 Acq: 01 Dec 2025 17:51

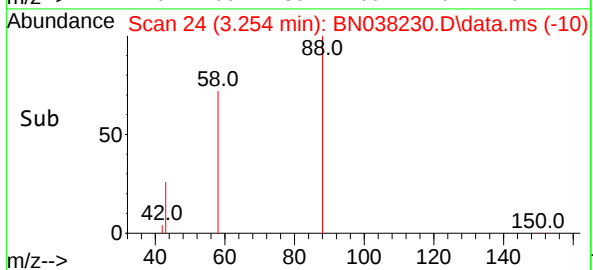
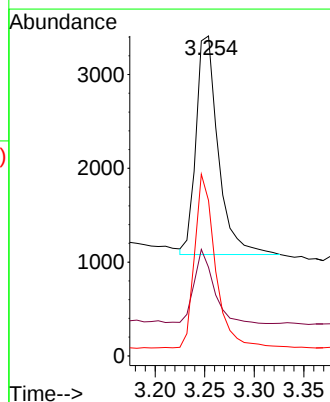
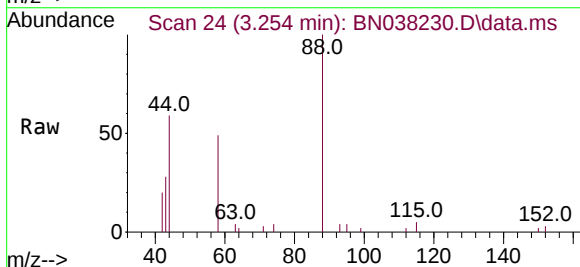
Instrument :
 BNA_N
 ClientSampleId :
 SSTDCCC0.4

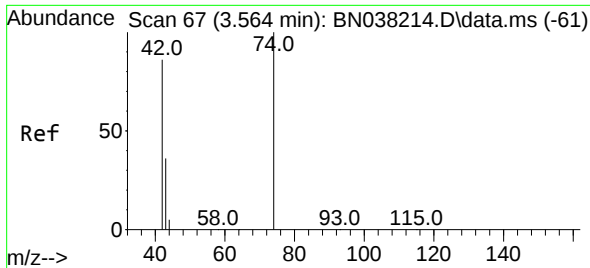
Tgt Ion:152 Resp: 8054
 Ion Ratio Lower Upper
 152 100
 150 152.8 125.3 187.9
 115 58.3 49.0 73.4



#2
 1,4-Dioxane
 Concen: 0.428 ng
 RT: 3.254 min Scan# 24
 Delta R.T. 0.000 min
 Lab File: BN038230.D
 Acq: 01 Dec 2025 17:51

Tgt Ion: 88 Resp: 3634
 Ion Ratio Lower Upper
 88 100
 43 30.2 24.8 37.2
 58 75.3 61.1 91.7

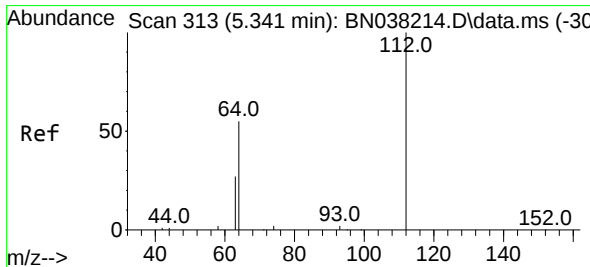
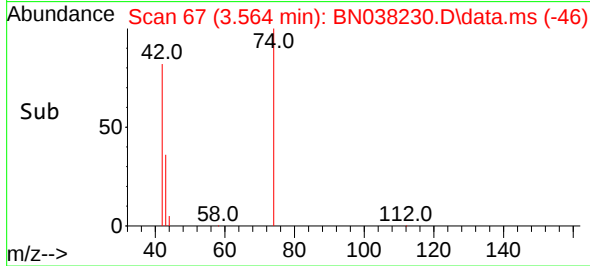
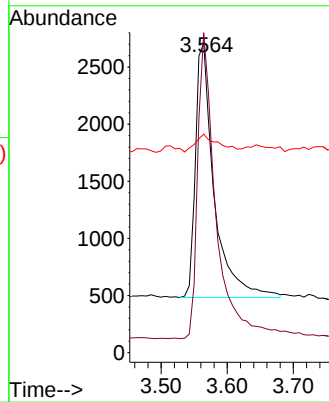
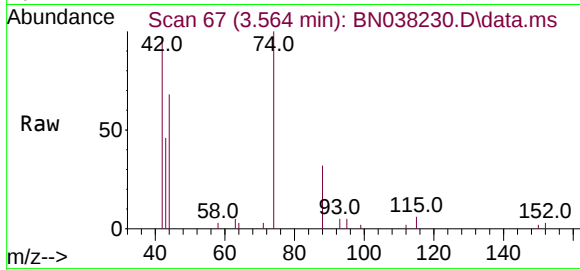




#3
n-Nitrosodimethylamine
Concen: 0.416 ng
RT: 3.564 min Scan# 61
Delta R.T. 0.000 min
Lab File: BN038230.D
Acq: 01 Dec 2025 17:51

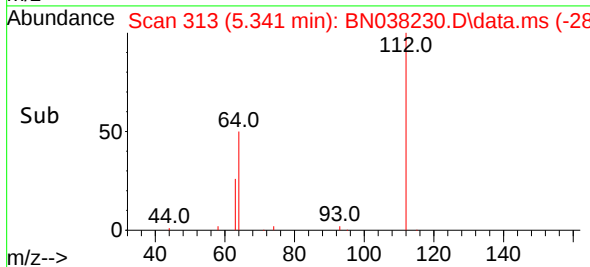
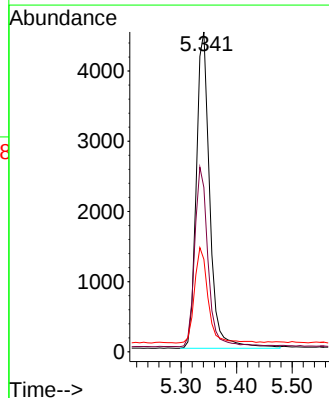
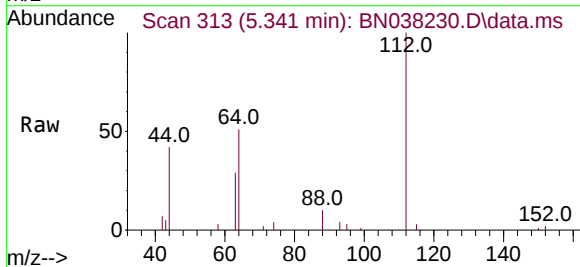
Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

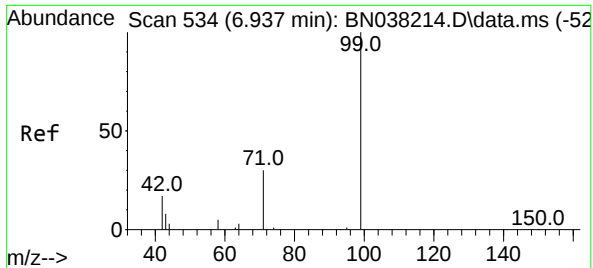
Tgt Ion: 42 Resp: 4349
Ion Ratio Lower Upper
42 100
74 118.4 96.2 144.2
44 8.3 8.0 12.0



#4
2-Fluorophenol
Concen: 0.404 ng
RT: 5.341 min Scan# 313
Delta R.T. 0.000 min
Lab File: BN038230.D
Acq: 01 Dec 2025 17:51

Tgt Ion: 112 Resp: 7599
Ion Ratio Lower Upper
112 100
64 56.4 45.0 67.4
63 30.4 23.2 34.8

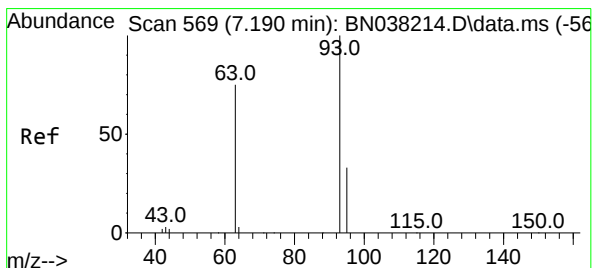
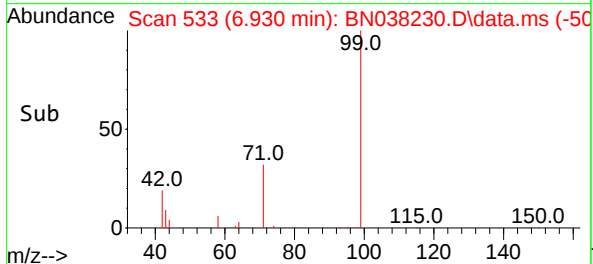
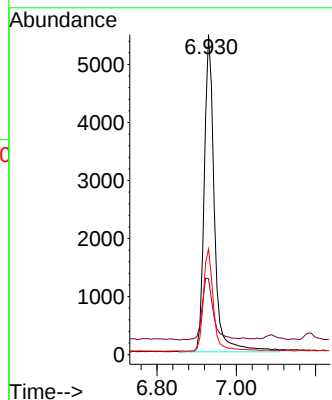
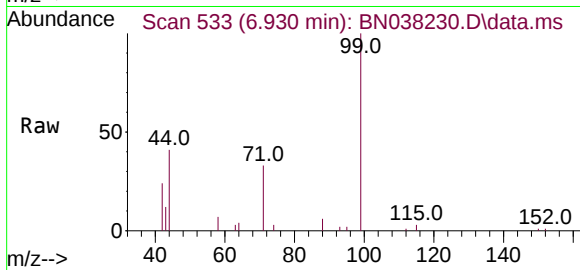




#5
Phenol-d6
Concen: 0.412 ng
RT: 6.930 min Scan# 534
Delta R.T. -0.007 min
Lab File: BN038230.D
Acq: 01 Dec 2025 17:51

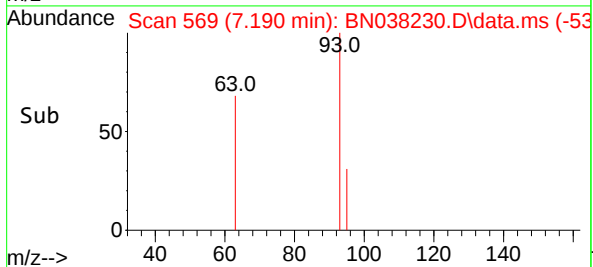
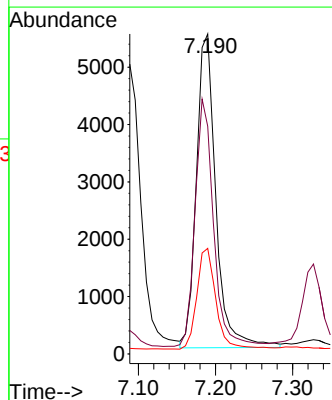
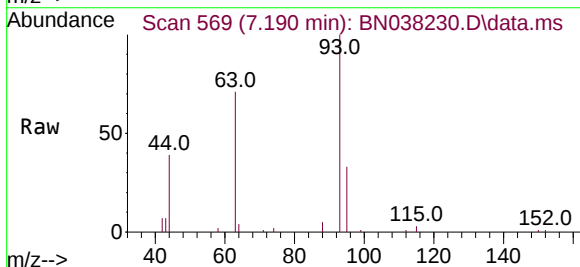
Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

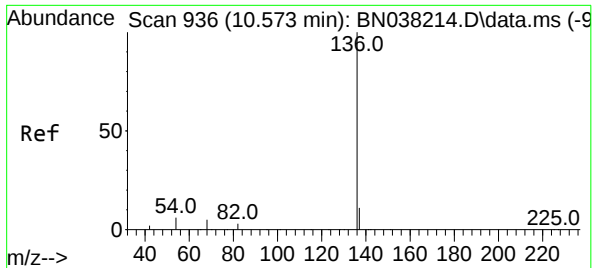
Tgt Ion	Ratio	Lower	Upper
99	100		
42	22.0	17.0	25.6
71	31.9	25.4	38.2



#6
bis(2-Chloroethyl)ether
Concen: 0.428 ng
RT: 7.190 min Scan# 569
Delta R.T. 0.000 min
Lab File: BN038230.D
Acq: 01 Dec 2025 17:51

Tgt Ion	Ratio	Lower	Upper
93	100		
63	74.5	58.1	87.1
95	31.3	25.1	37.7

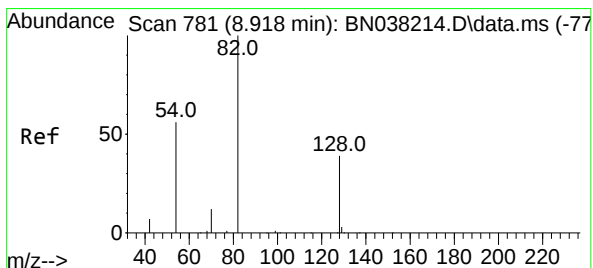
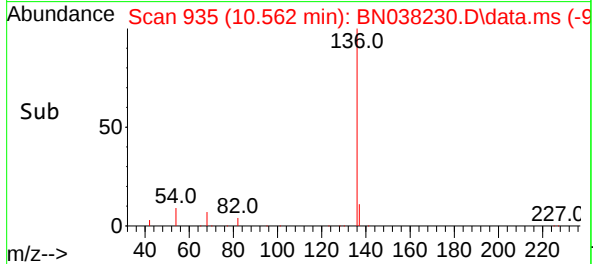
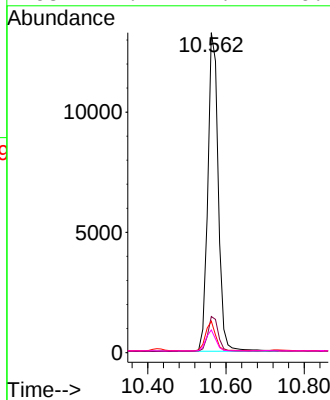
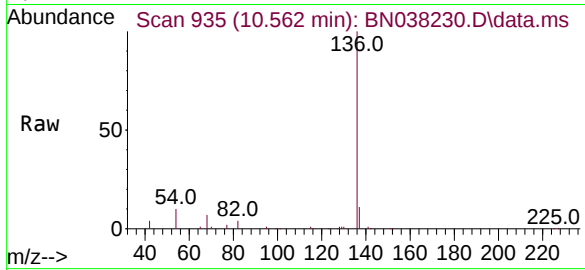




#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.562 min Scan# 936
Delta R.T. -0.011 min
Lab File: BN038230.D
Acq: 01 Dec 2025 17:51

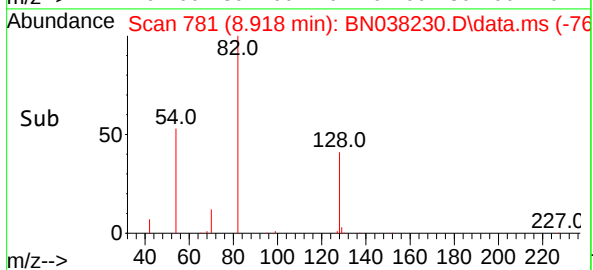
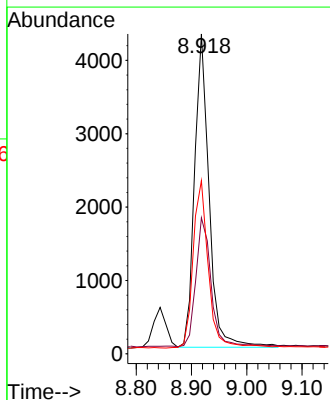
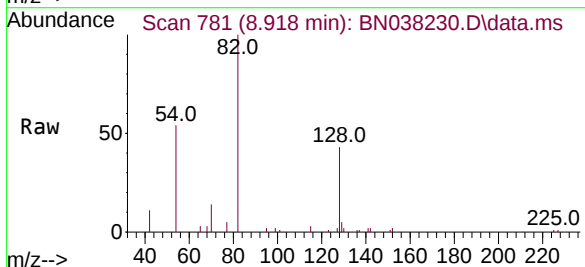
Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

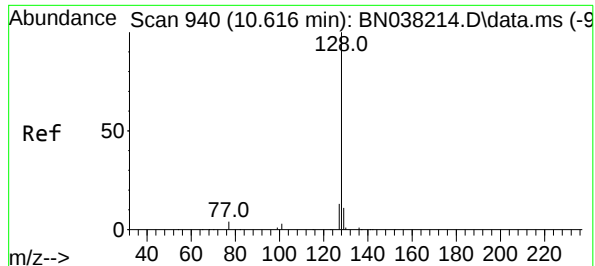
Tgt Ion:	136	Resp:	24560
Ion	Ratio	Lower	Upper
136	100		
137	11.3	8.9	13.3
54	9.8	5.4	8.0#
68	7.1	4.1	6.1#



#8
Nitrobenzene-d5
Concen: 0.396 ng
RT: 8.918 min Scan# 781
Delta R.T. 0.000 min
Lab File: BN038230.D
Acq: 01 Dec 2025 17:51

Tgt Ion:	82	Resp:	7786
Ion	Ratio	Lower	Upper
82	100		
128	42.5	32.6	48.8
54	54.1	45.4	68.0

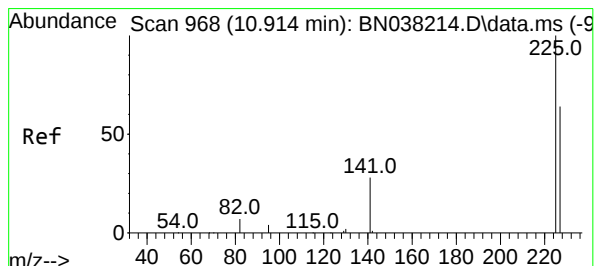
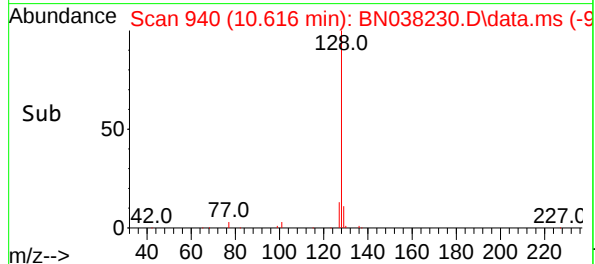
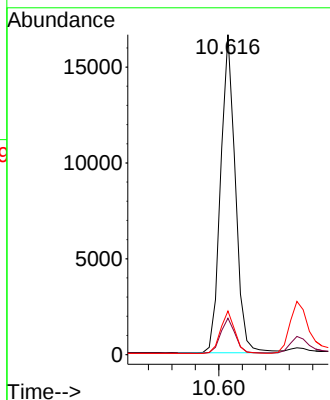
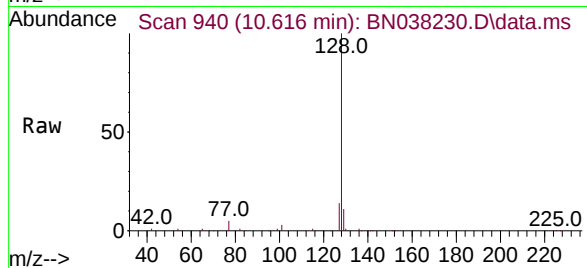




#9
Naphthalene
Concen: 0.424 ng
RT: 10.616 min Scan# 940
Delta R.T. 0.000 min
Lab File: BN038230.D
Acq: 01 Dec 2025 17:51

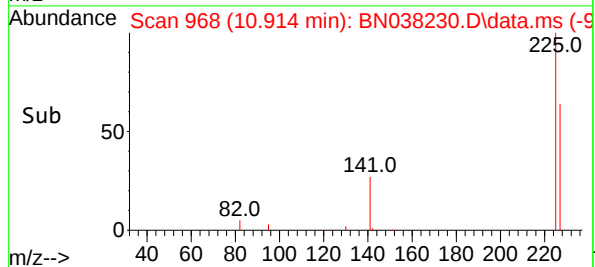
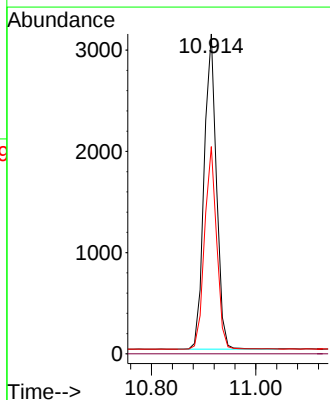
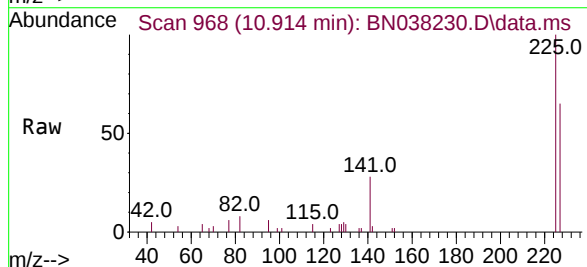
Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

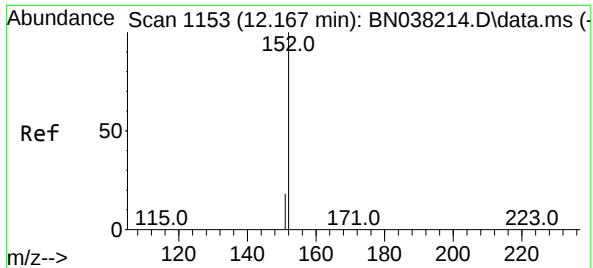
Tgt Ion	128	129	127
Resp:	28944		
Ion Ratio	100	11.4	13.6
Lower		9.1	10.6
Upper		13.7	16.0



#10
Hexachlorobutadiene
Concen: 0.442 ng
RT: 10.914 min Scan# 968
Delta R.T. 0.000 min
Lab File: BN038230.D
Acq: 01 Dec 2025 17:51

Tgt Ion	225	223	227
Resp:	5122		
Ion Ratio	100	0.0	63.0
Lower		0.0	50.5
Upper		0.0	75.7

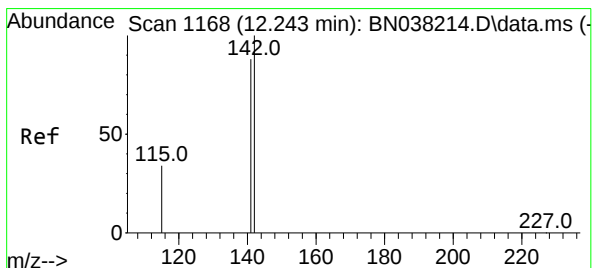
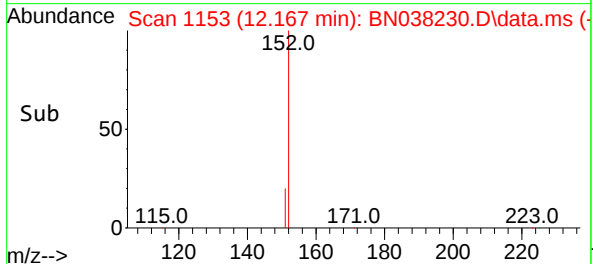
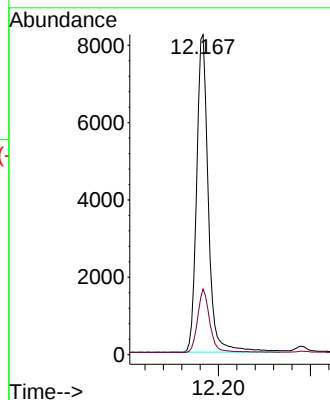
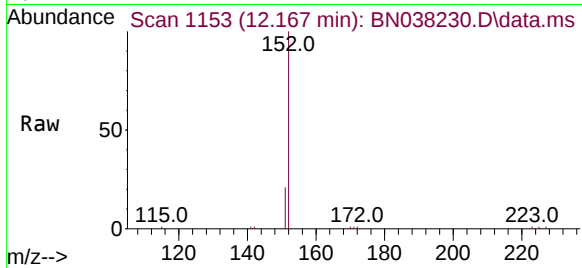




#11
2-Methylnaphthalene-d10
Concen: 0.416 ng
RT: 12.167 min Scan# 1153
Delta R.T. 0.000 min
Lab File: BN038230.D
Acq: 01 Dec 2025 17:51

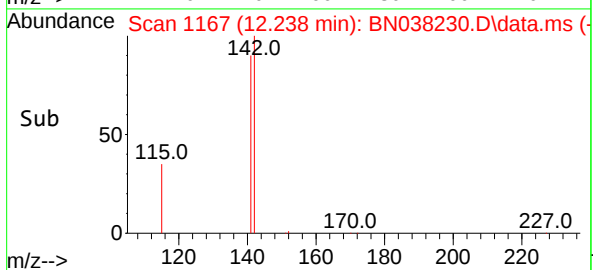
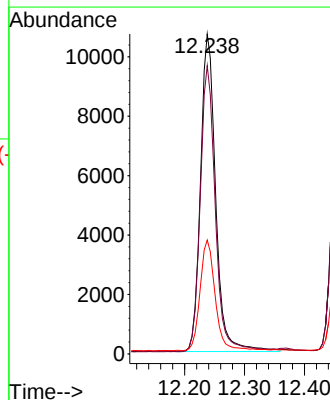
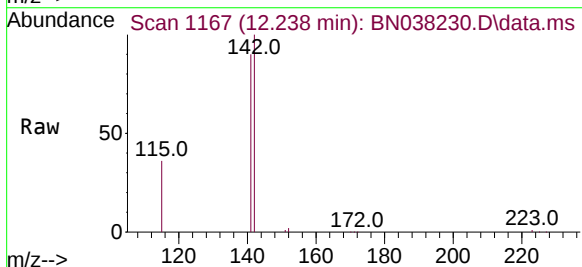
Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

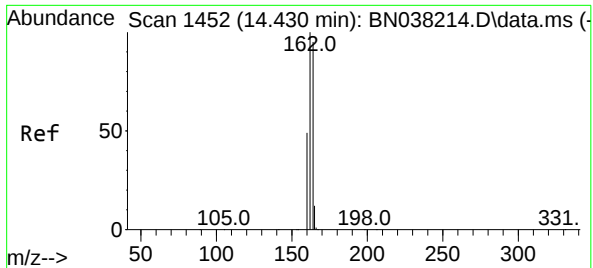
Tgt Ion:152 Resp: 14508
Ion Ratio Lower Upper
152 100
151 20.7 16.7 25.1



#12
2-Methylnaphthalene
Concen: 0.419 ng
RT: 12.238 min Scan# 1167
Delta R.T. -0.005 min
Lab File: BN038230.D
Acq: 01 Dec 2025 17:51

Tgt Ion:142 Resp: 18811
Ion Ratio Lower Upper
142 100
141 90.1 70.9 106.3
115 35.6 27.7 41.5

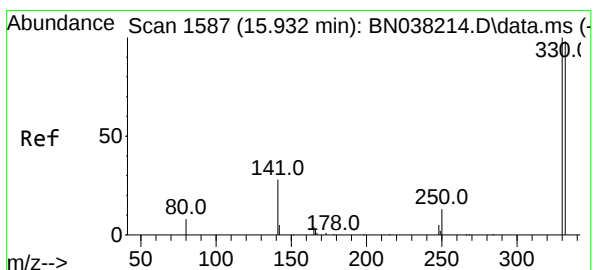
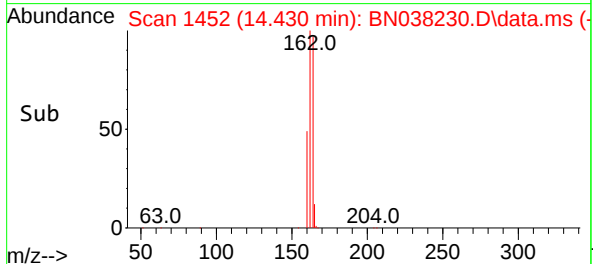
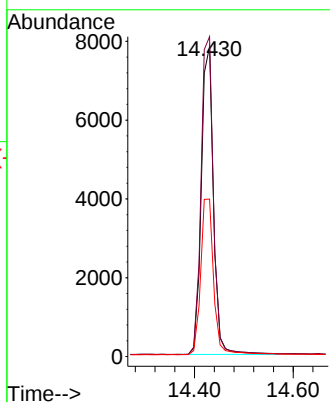
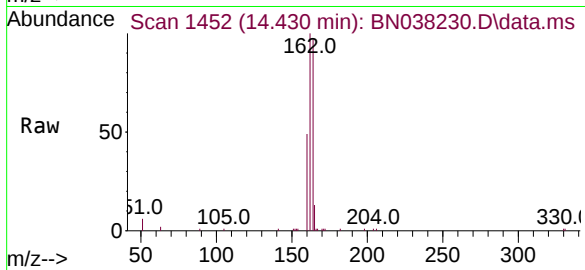




#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.430 min Scan# 1452
Delta R.T. 0.000 min
Lab File: BN038230.D
Acq: 01 Dec 2025 17:51

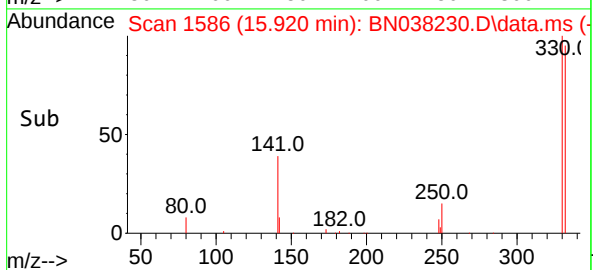
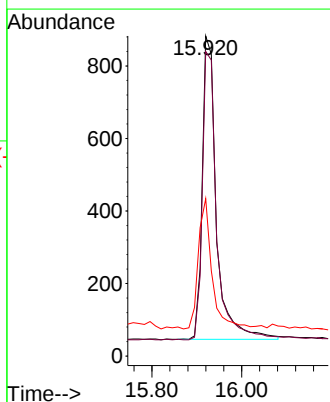
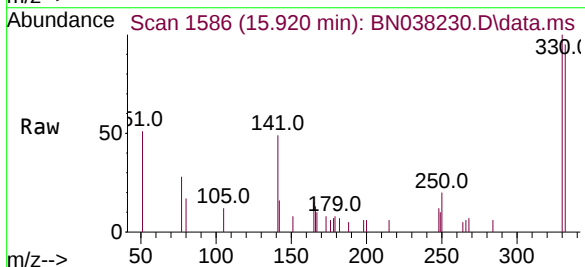
Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

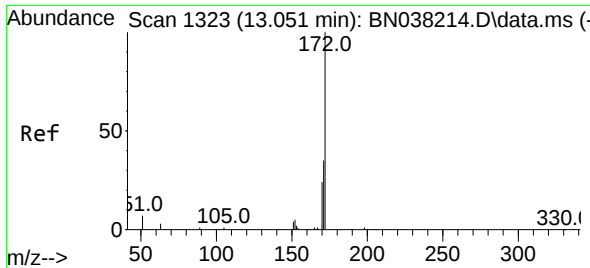
Tgt Ion	164	Resp	13292
Ion Ratio	Lower	Upper	
164	100		
162	103.2	83.8	125.8
160	50.8	41.6	62.4



#14
2,4,6-Tribromophenol
Concen: 0.440 ng
RT: 15.920 min Scan# 1586
Delta R.T. -0.012 min
Lab File: BN038230.D
Acq: 01 Dec 2025 17:51

Tgt Ion	330	Resp	1841
Ion Ratio	Lower	Upper	
330	100		
332	96.5	77.8	116.6
141	41.4	33.0	49.4

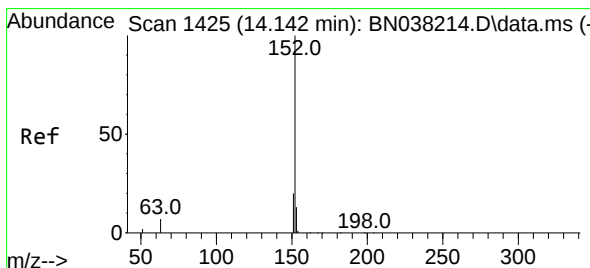
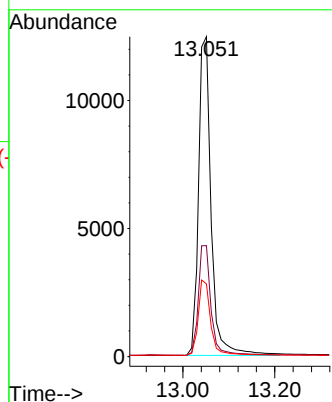
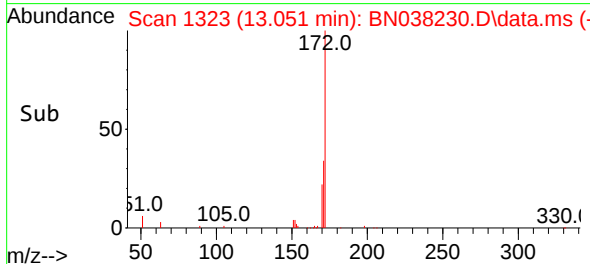
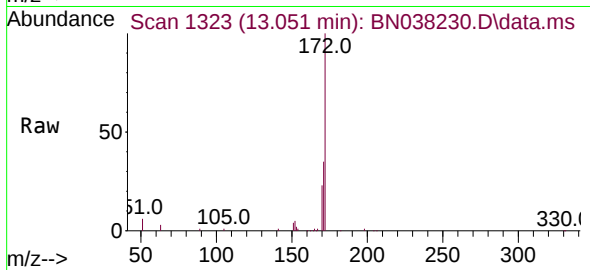




#15
2-Fluorobiphenyl
Concen: 0.429 ng
RT: 13.051 min Scan# 1323
Delta R.T. 0.000 min
Lab File: BN038230.D
Acq: 01 Dec 2025 17:51

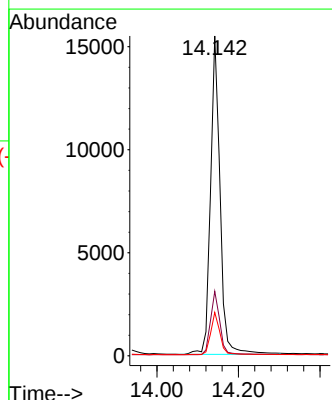
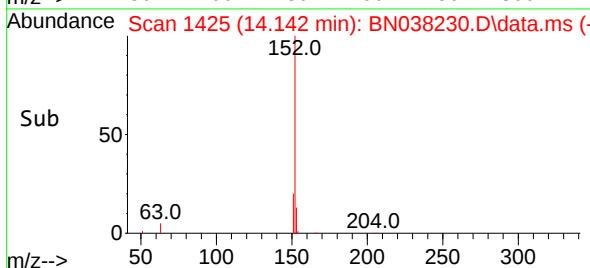
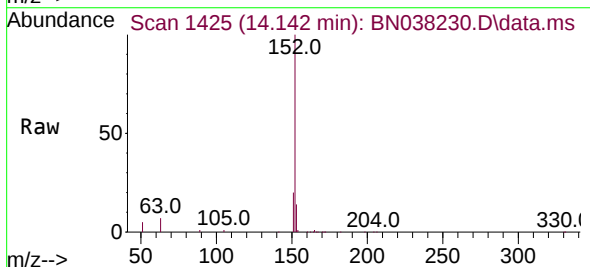
Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

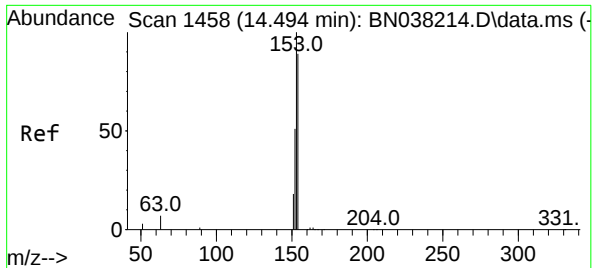
Tgt Ion	Ratio	Lower	Upper
172	100		
171	34.7	28.1	42.1
170	22.7	19.1	28.7



#16
Acenaphthylene
Concen: 0.421 ng
RT: 14.142 min Scan# 1425
Delta R.T. 0.000 min
Lab File: BN038230.D
Acq: 01 Dec 2025 17:51

Tgt Ion	Ratio	Lower	Upper
152	100		
151	19.9	15.6	23.4
153	13.0	10.6	15.8

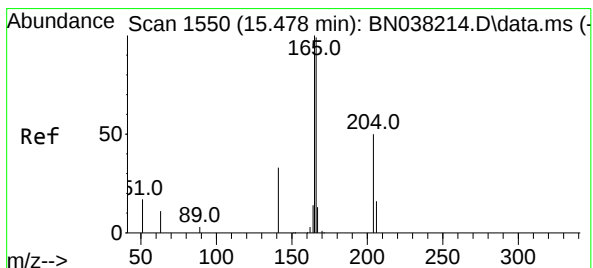
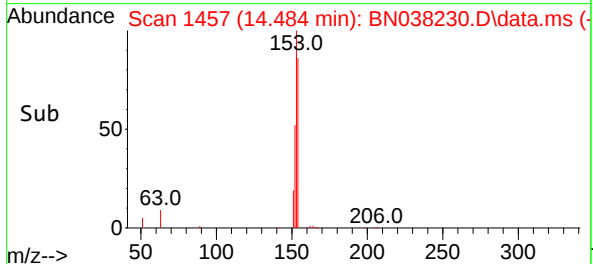
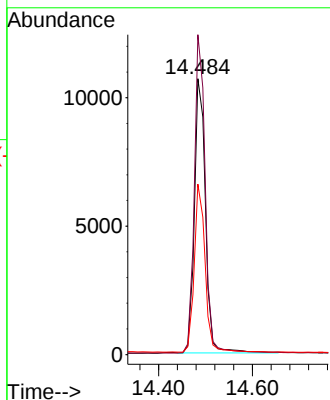
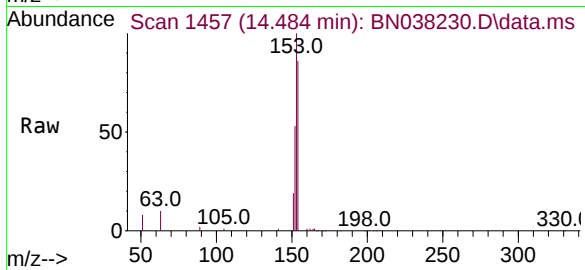




#17
Acenaphthene
Concen: 0.424 ng
RT: 14.484 min Scan# 1457
Delta R.T. -0.011 min
Lab File: BN038230.D
Acq: 01 Dec 2025 17:51

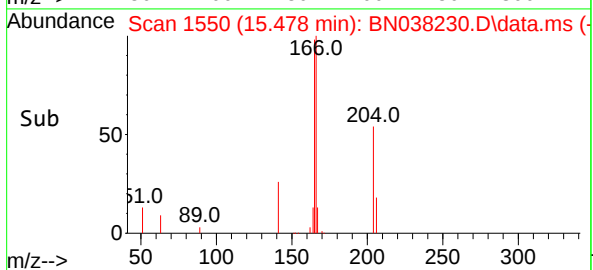
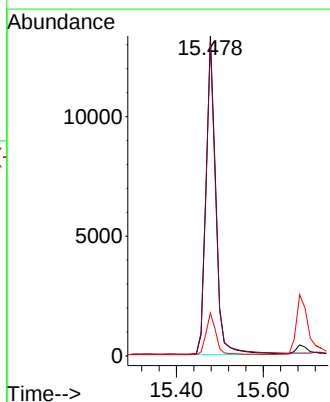
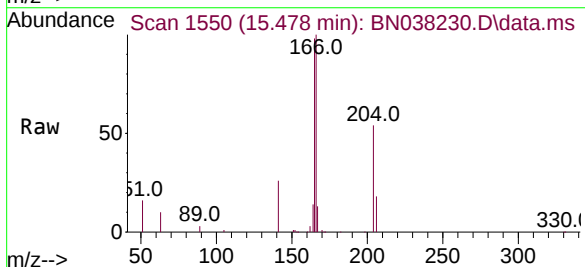
Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

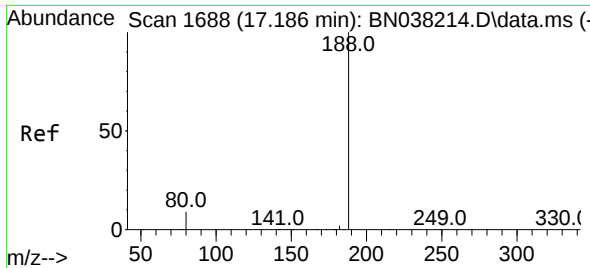
Tgt Ion:154 Resp: 17563
Ion Ratio Lower Upper
154 100
153 114.3 91.1 136.7
152 60.2 48.2 72.2



#18
Fluorene
Concen: 0.416 ng
RT: 15.478 min Scan# 1550
Delta R.T. -0.000 min
Lab File: BN038230.D
Acq: 01 Dec 2025 17:51

Tgt Ion:166 Resp: 22309
Ion Ratio Lower Upper
166 100
165 99.2 78.7 118.1
167 13.0 10.9 16.3





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 17.173 min Scan# 1688

Delta R.T. -0.012 min

Lab File: BN038230.D

Acq: 01 Dec 2025 17:51

Instrument :

BNA_N

ClientSampleId :

SSTDCCC0.4

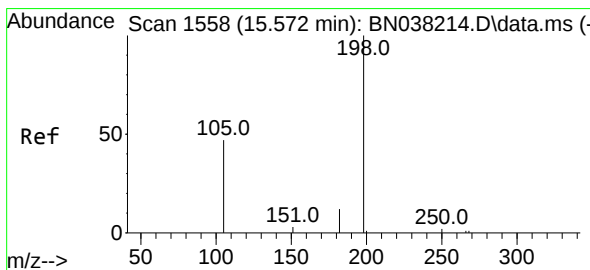
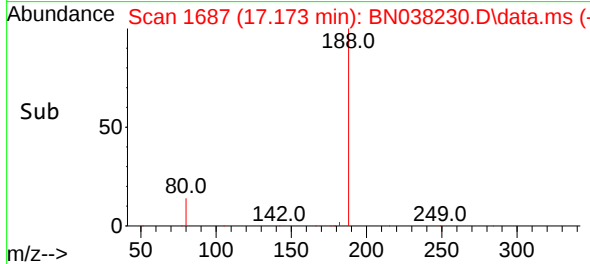
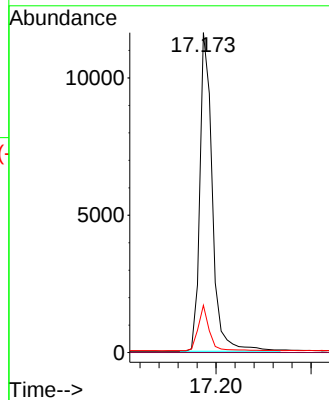
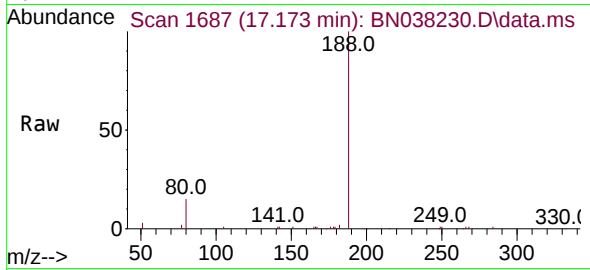
Tgt Ion:188 Resp: 21033

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

80 14.8 7.7 11.5#



#20

4,6-Dinitro-2-methylphenol

Concen: 0.563 ng

RT: 15.560 min Scan# 1557

Delta R.T. -0.012 min

Lab File: BN038230.D

Acq: 01 Dec 2025 17:51

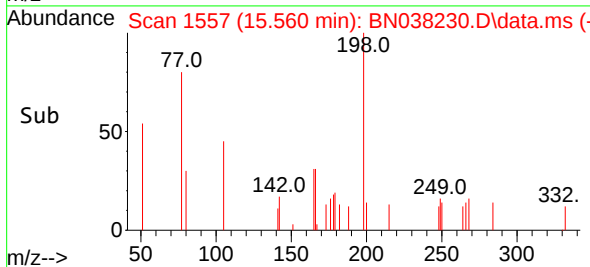
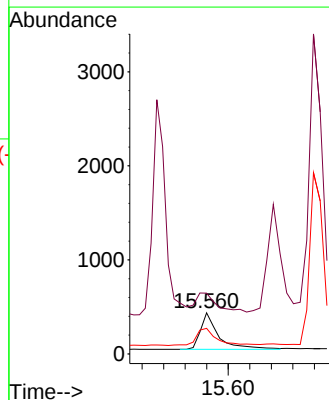
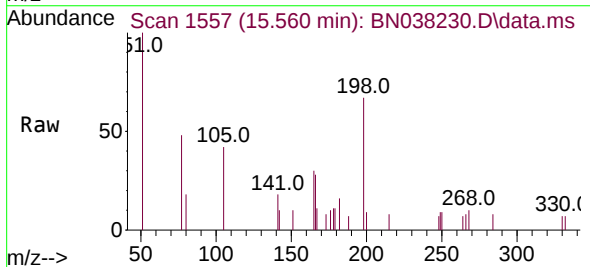
Tgt Ion:198 Resp: 909

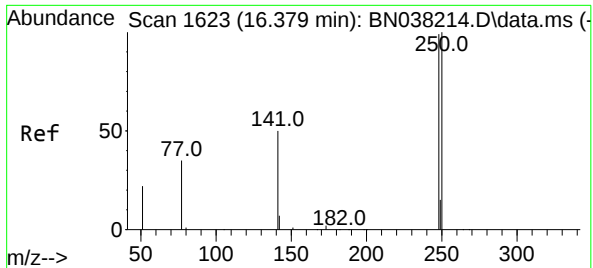
Ion Ratio Lower Upper

198 100

51 148.2 205.1 307.7#

105 62.4 61.6 92.4

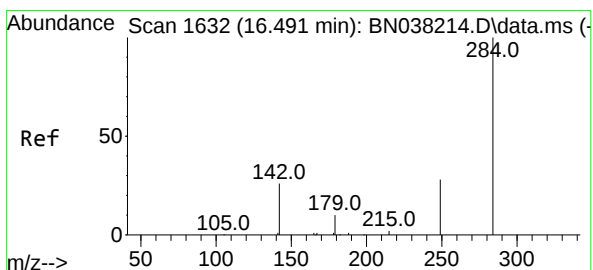
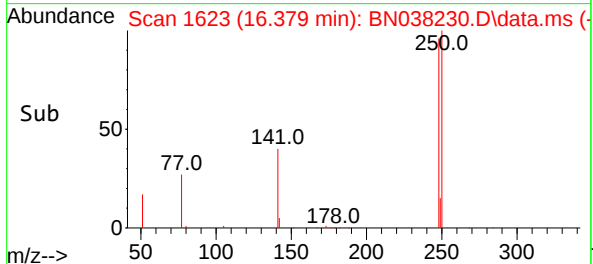
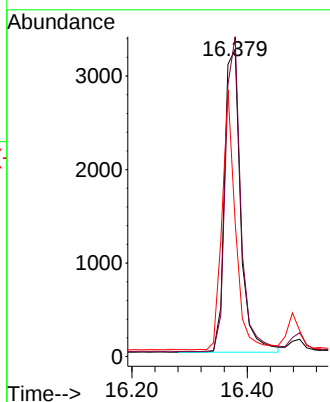
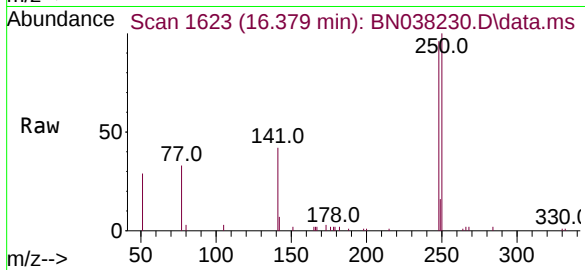




#21
4-Bromophenyl-phenylether
Concen: 0.430 ng
RT: 16.379 min Scan# 1623
Delta R.T. 0.000 min
Lab File: BN038230.D
Acq: 01 Dec 2025 17:51

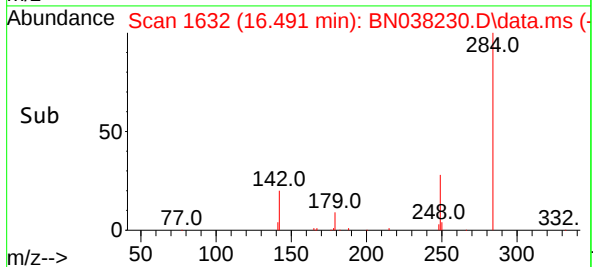
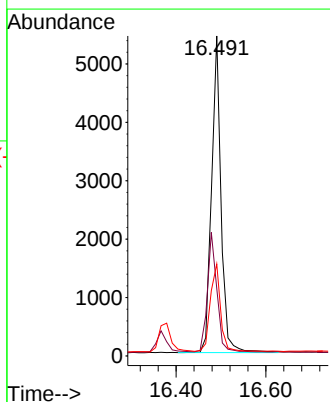
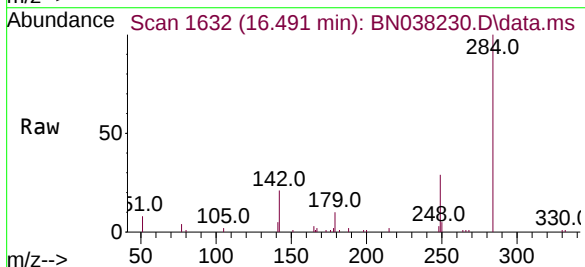
Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

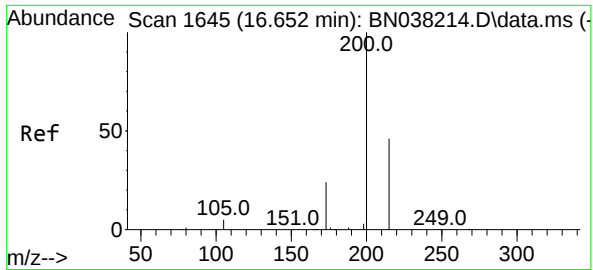
Tgt Ion	Ratio	Lower	Upper
248	100		
250	104.1	80.8	121.2
141	43.6	41.0	61.6



#22
Hexachlorobenzene
Concen: 0.446 ng
RT: 16.491 min Scan# 1632
Delta R.T. 0.000 min
Lab File: BN038230.D
Acq: 01 Dec 2025 17:51

Tgt Ion	Ratio	Lower	Upper
284	100		
142	38.0	30.5	45.7
249	29.9	23.8	35.8

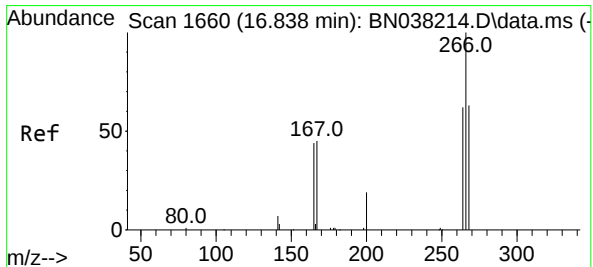
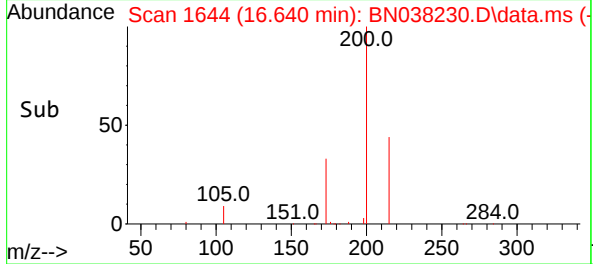
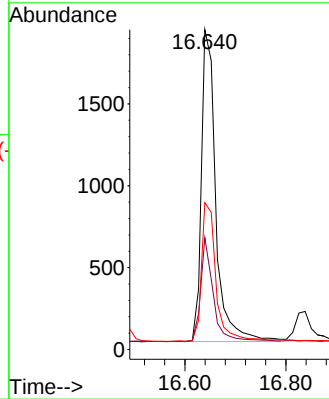
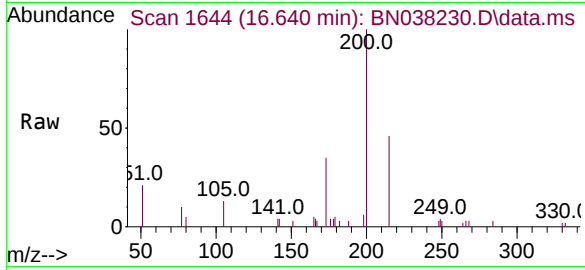




#23
Atrazine
Concen: 0.405 ng
RT: 16.640 min Scan# 1644
Delta R.T. -0.012 min
Lab File: BN038230.D
Acq: 01 Dec 2025 17:51

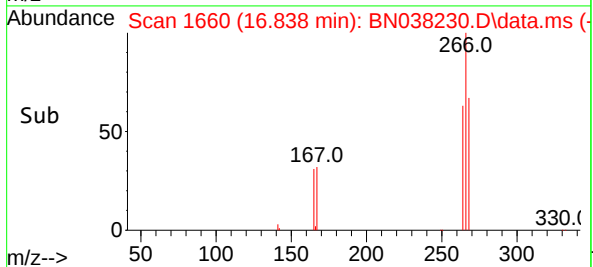
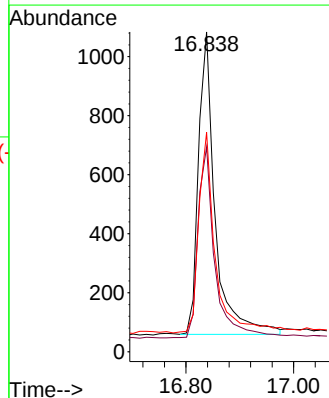
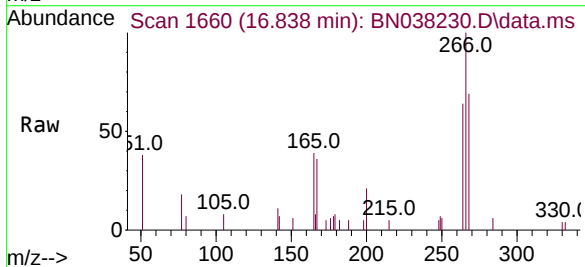
Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

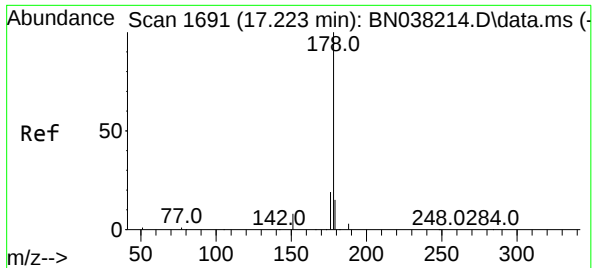
Tgt Ion:200 Resp: 3766
Ion Ratio Lower Upper
200 100
173 35.0 21.0 31.6#
215 45.9 37.8 56.8



#24
Pentachlorophenol
Concen: 0.448 ng
RT: 16.838 min Scan# 1660
Delta R.T. 0.000 min
Lab File: BN038230.D
Acq: 01 Dec 2025 17:51

Tgt Ion:266 Resp: 2201
Ion Ratio Lower Upper
266 100
264 64.0 48.9 73.3
268 65.1 50.2 75.2

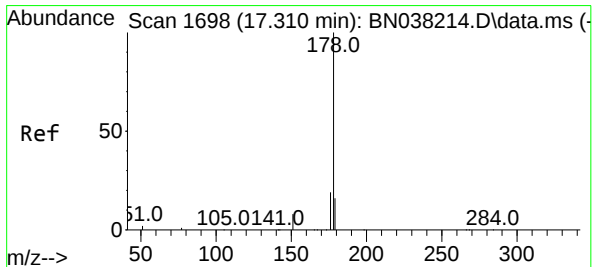
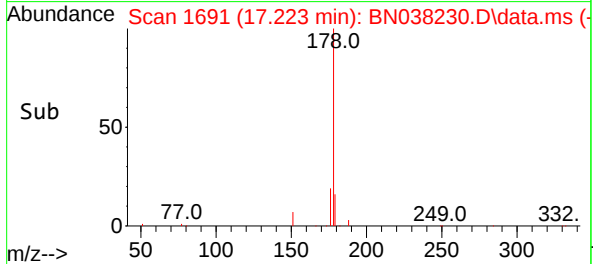
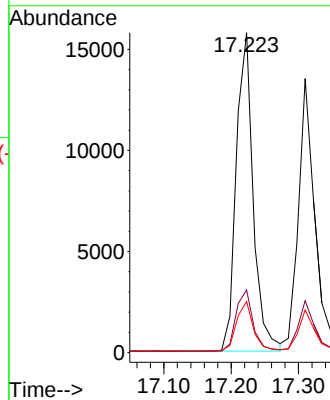
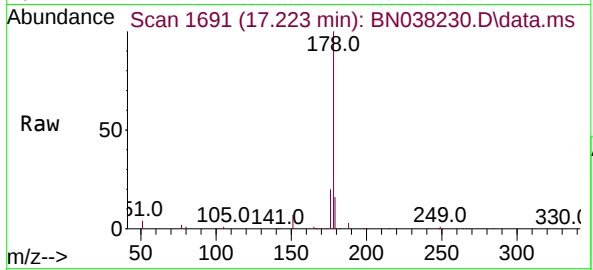




#25
Phenanthrene
Concen: 0.416 ng
RT: 17.223 min Scan# 1691
Delta R.T. 0.000 min
Lab File: BN038230.D
Acq: 01 Dec 2025 17:51

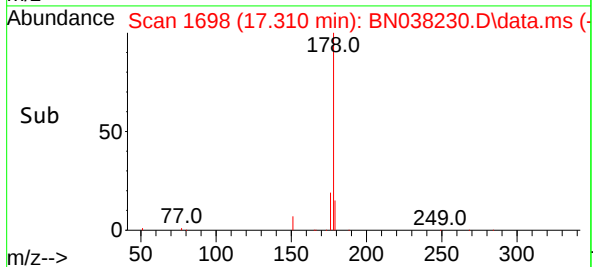
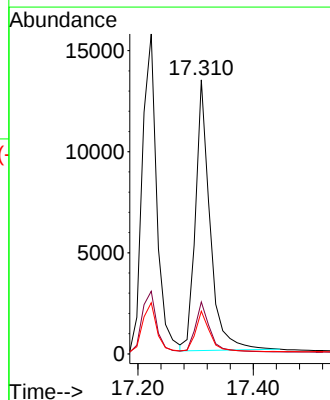
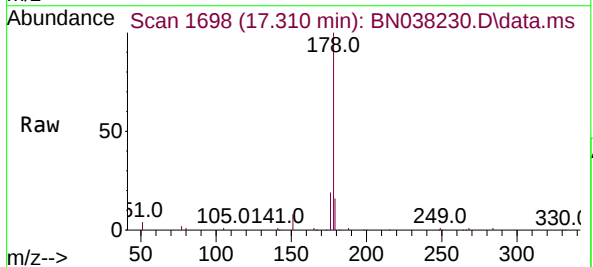
Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

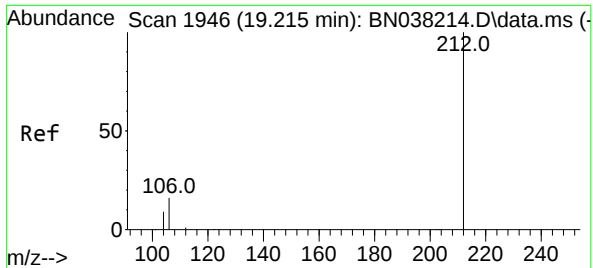
Tgt Ion:178 Resp: 27475
Ion Ratio Lower Upper
178 100
176 19.5 15.3 22.9
179 15.5 12.0 18.0



#26
Anthracene
Concen: 0.414 ng
RT: 17.310 min Scan# 1698
Delta R.T. 0.000 min
Lab File: BN038230.D
Acq: 01 Dec 2025 17:51

Tgt Ion:178 Resp: 23318
Ion Ratio Lower Upper
178 100
176 18.8 14.7 22.1
179 15.2 12.3 18.5

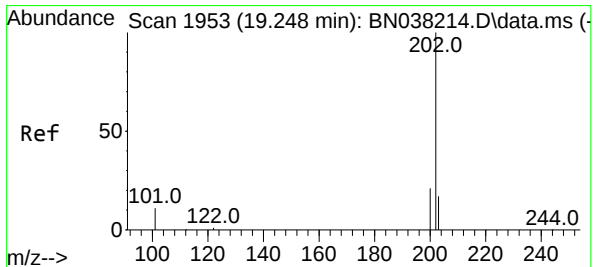
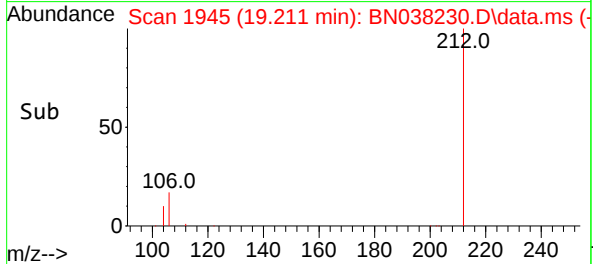
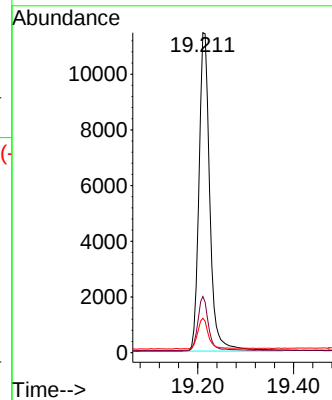
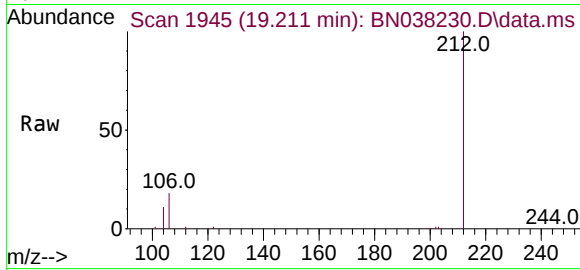




#27
Fluoranthene-d10
Concen: 0.392 ng
RT: 19.211 min Scan# 1945
Delta R.T. -0.005 min
Lab File: BN038230.D
Acq: 01 Dec 2025 17:51

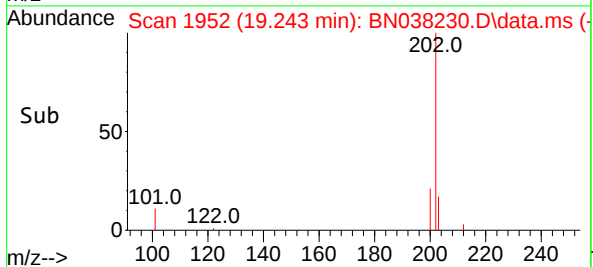
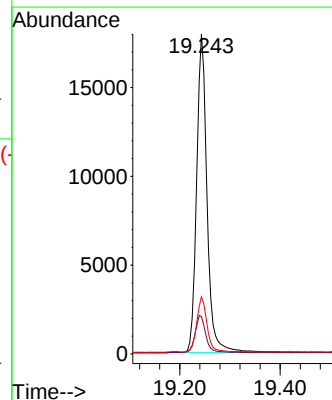
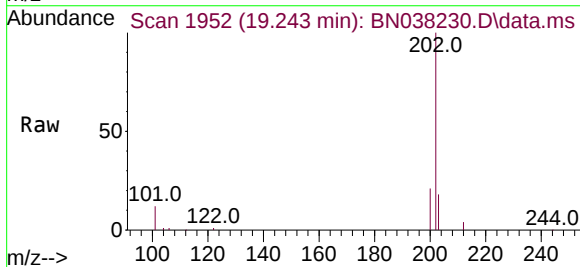
Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

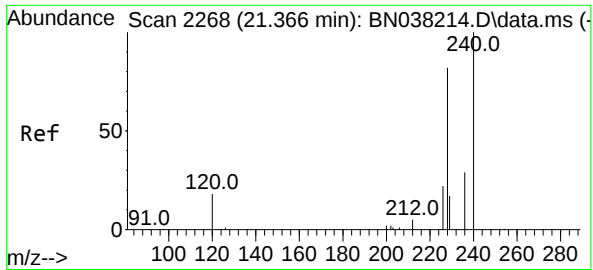
Tgt Ion	Ratio	Lower	Upper
212	100		
106	16.5	12.7	19.1
104	9.4	7.3	10.9



#28
Fluoranthene
Concen: 0.406 ng
RT: 19.243 min Scan# 1952
Delta R.T. -0.005 min
Lab File: BN038230.D
Acq: 01 Dec 2025 17:51

Tgt Ion	Ratio	Lower	Upper
202	100		
101	11.8	9.8	14.6
203	16.9	13.6	20.4

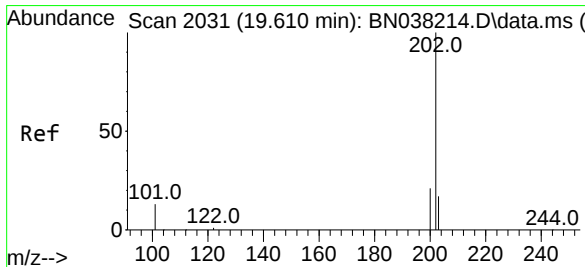
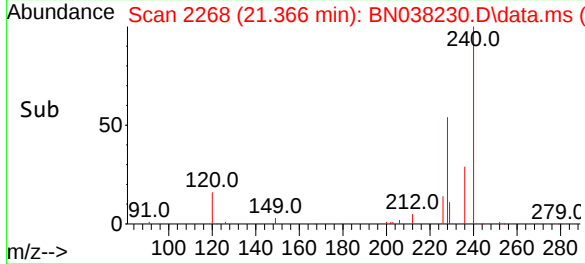
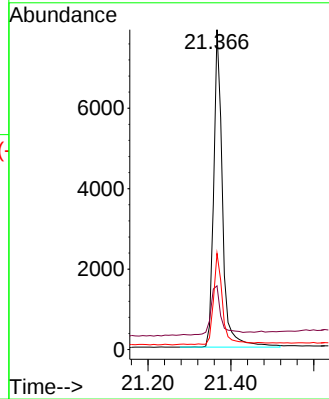
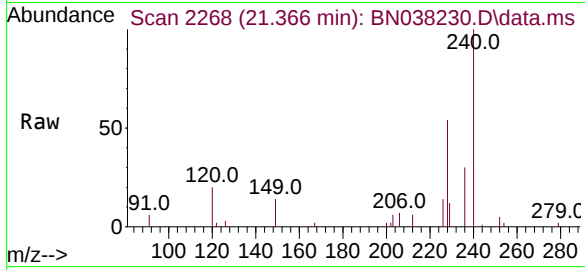




#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.366 min Scan# 21
Delta R.T. 0.000 min
Lab File: BN038230.D
Acq: 01 Dec 2025 17:51

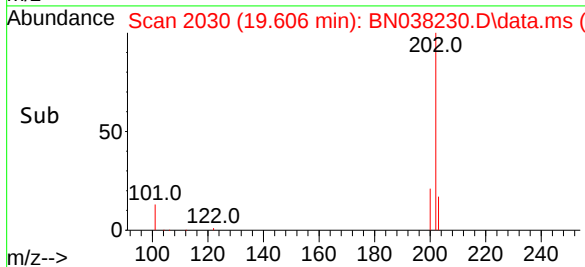
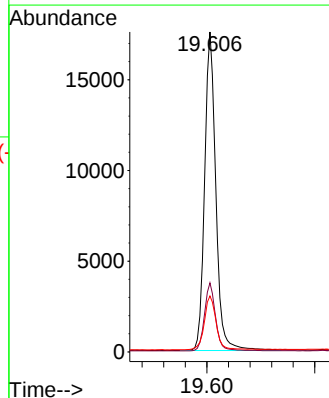
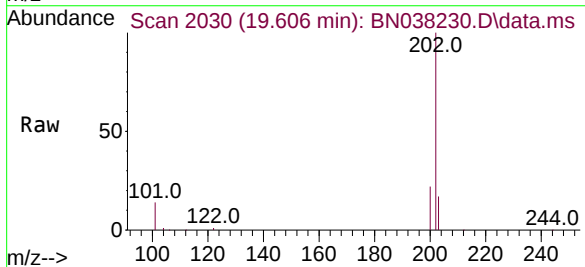
Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

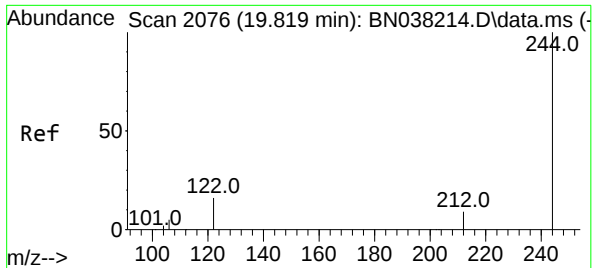
Tgt Ion:240 Resp: 11703
Ion Ratio Lower Upper
240 100
120 19.9 18.1 27.1
236 30.1 24.2 36.4



#30
Pyrene
Concen: 0.433 ng
RT: 19.606 min Scan# 2030
Delta R.T. -0.005 min
Lab File: BN038230.D
Acq: 01 Dec 2025 17:51

Tgt Ion:202 Resp: 25312
Ion Ratio Lower Upper
202 100
200 21.1 16.8 25.2
203 17.7 14.4 21.6

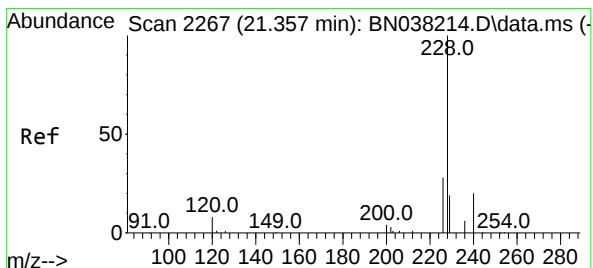
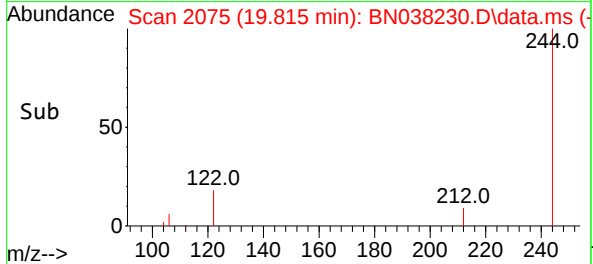
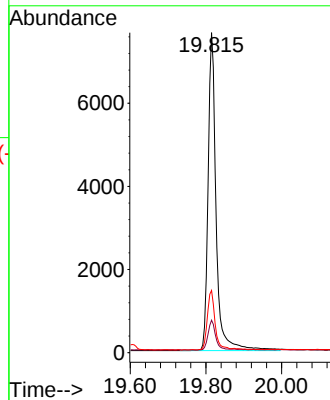
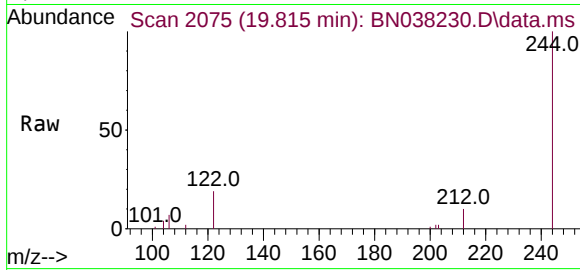




#31
Terphenyl-d14
Concen: 0.416 ng
RT: 19.815 min Scan# 2076
Delta R.T. -0.005 min
Lab File: BN038230.D
Acq: 01 Dec 2025 17:51

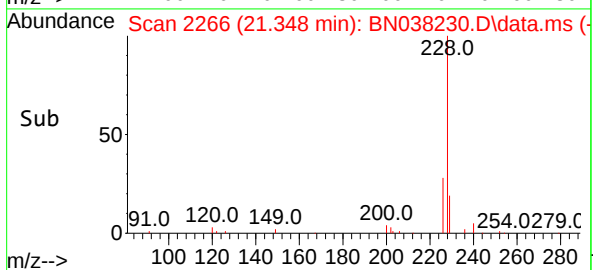
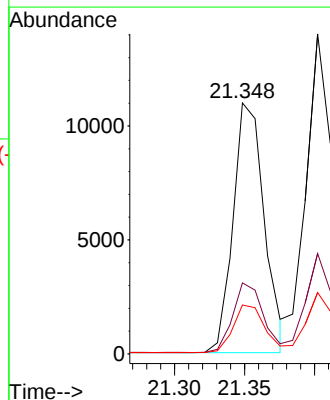
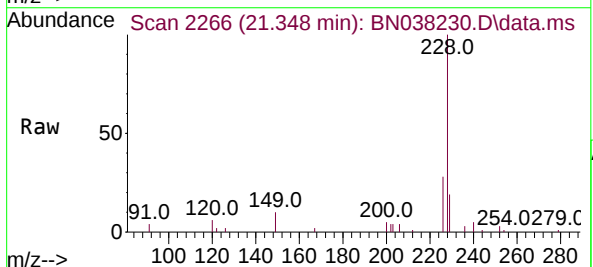
Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

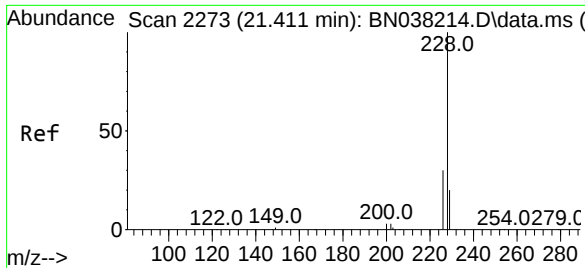
Tgt Ion	Ratio	Lower	Upper
244	100		
212	10.1	7.7	11.5
122	19.4	13.6	20.4



#32
Benzo(a)anthracene
Concen: 0.428 ng
RT: 21.348 min Scan# 2266
Delta R.T. -0.009 min
Lab File: BN038230.D
Acq: 01 Dec 2025 17:51

Tgt Ion	Ratio	Lower	Upper
228	100		
226	28.3	22.6	33.8
229	19.5	15.8	23.8

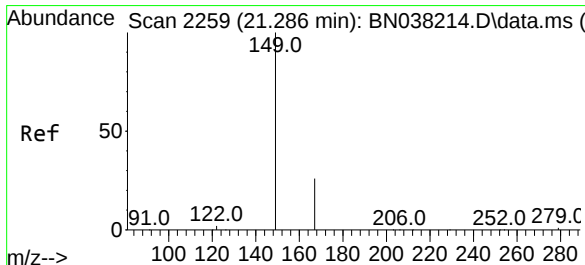
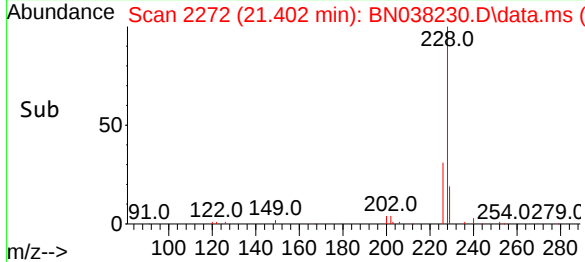
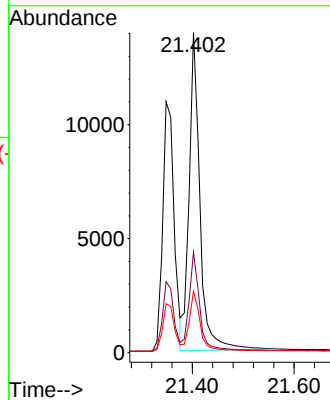
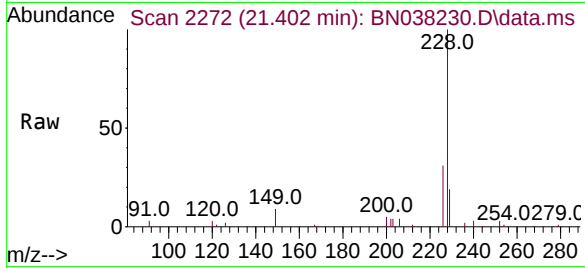




#33
Chrysene
Concen: 0.440 ng
RT: 21.402 min Scan# 21
Delta R.T. -0.009 min
Lab File: BN038230.D
Acq: 01 Dec 2025 17:51

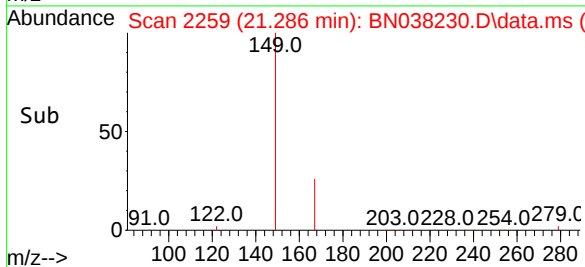
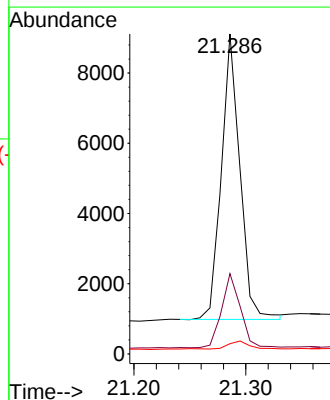
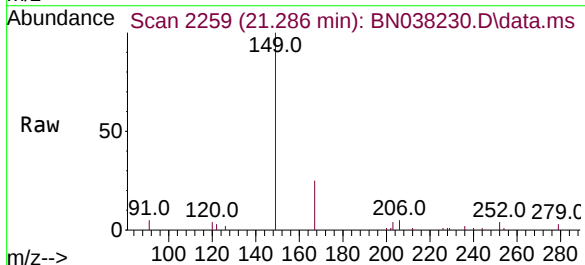
Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

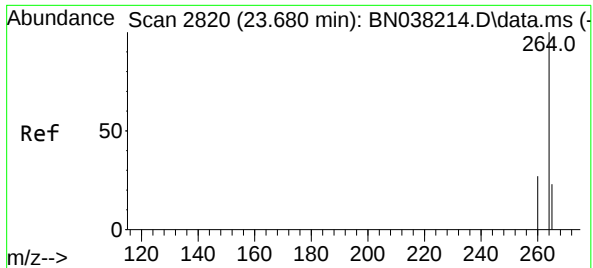
Tgt Ion	Ratio	Lower	Upper
228	100		
226	31.4	23.8	35.8
229	19.2	16.1	24.1



#34
Bis(2-ethylhexyl)phthalate
Concen: 0.431 ng
RT: 21.286 min Scan# 2259
Delta R.T. 0.000 min
Lab File: BN038230.D
Acq: 01 Dec 2025 17:51

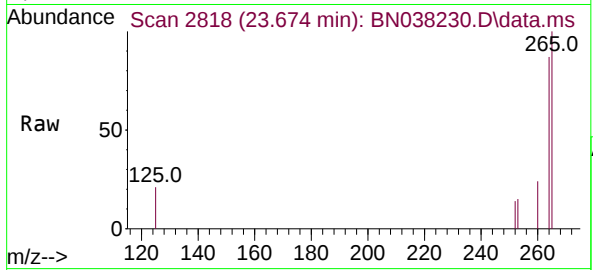
Tgt Ion	Ratio	Lower	Upper
149	100		
167	26.6	20.7	31.1
279	3.0	2.5	3.7



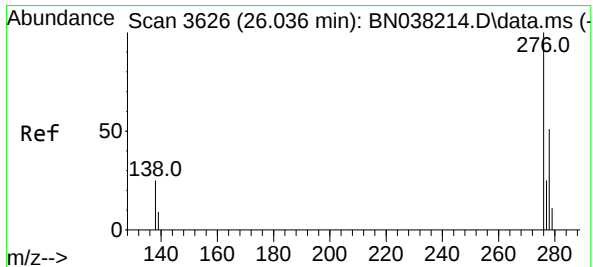
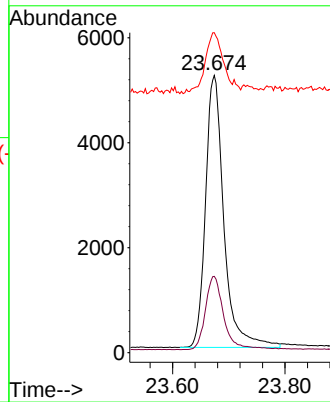
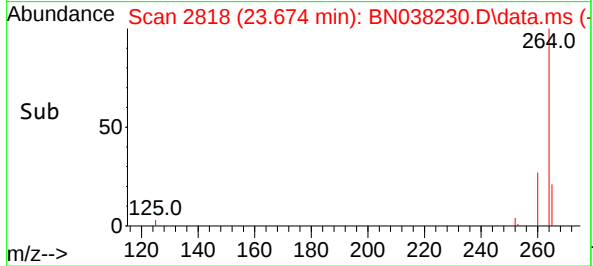


#35
Perylene-d12
Concen: 0.400 ng
RT: 23.674 min Scan# 2818
Delta R.T. -0.006 min
Lab File: BN038230.D
Acq: 01 Dec 2025 17:51

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

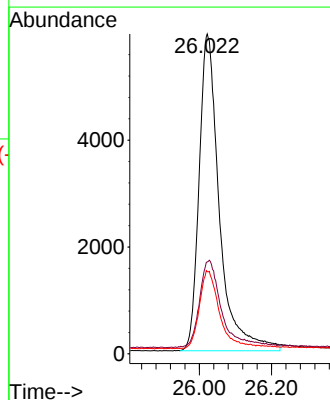
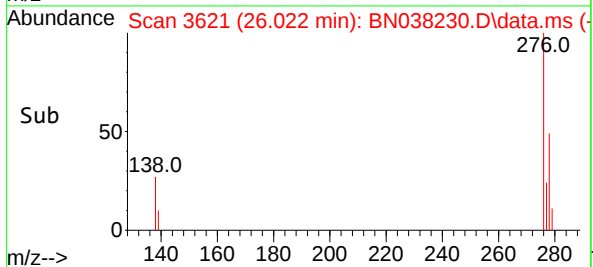
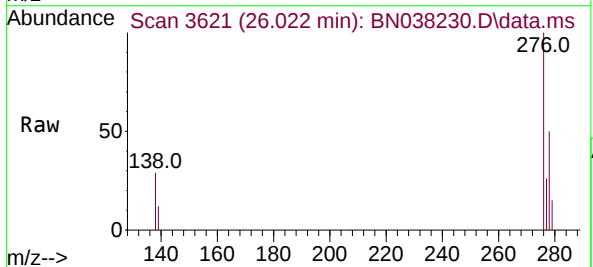


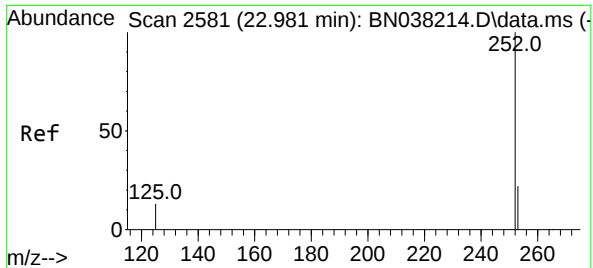
Tgt Ion:264 Resp: 11756
Ion Ratio Lower Upper
264 100
260 27.5 21.7 32.5
265 115.4 98.0 147.0



#36
Indeno(1,2,3-cd)pyrene
Concen: 0.425 ng
RT: 26.022 min Scan# 3621
Delta R.T. -0.015 min
Lab File: BN038230.D
Acq: 01 Dec 2025 17:51

Tgt Ion:276 Resp: 23141
Ion Ratio Lower Upper
276 100
138 29.5 21.4 32.2
277 24.1 19.1 28.7

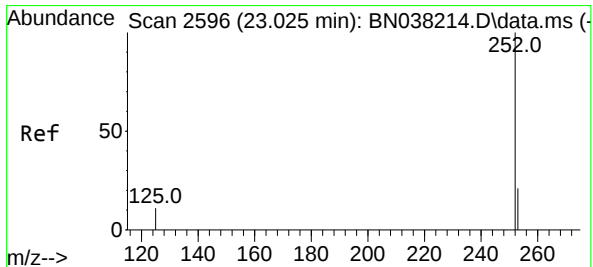
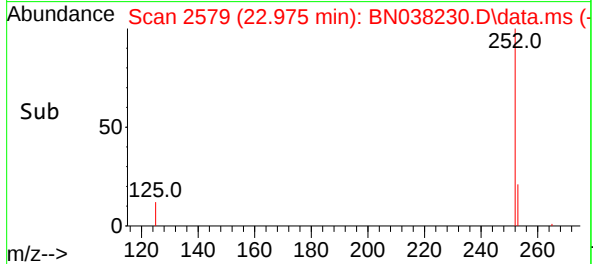
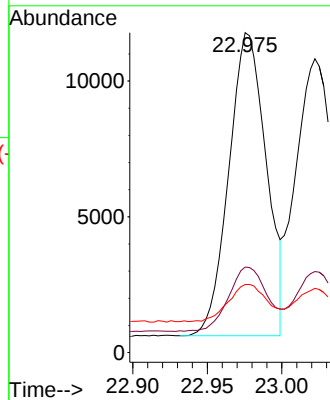
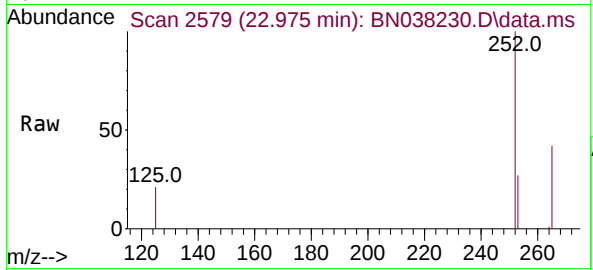




#37
Benzo(b)fluoranthene
Concen: 0.404 ng
RT: 22.975 min Scan# 2579
Delta R.T. -0.006 min
Lab File: BN038230.D
Acq: 01 Dec 2025 17:51

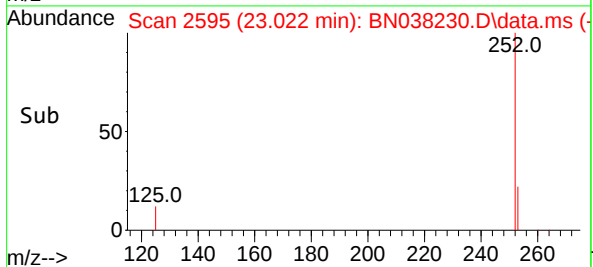
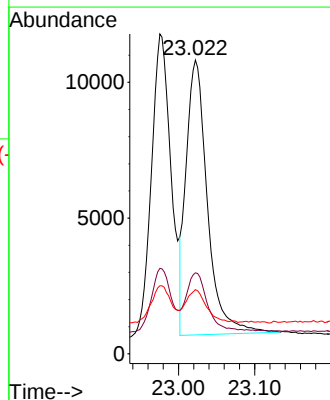
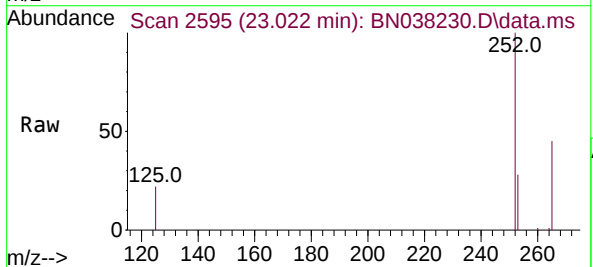
Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

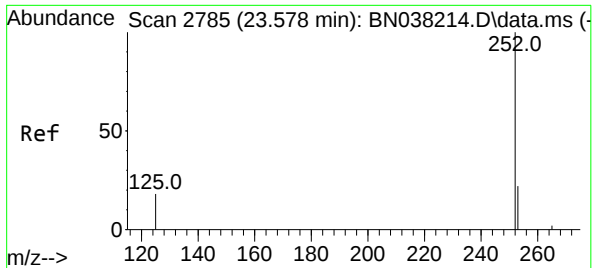
Tgt Ion:252 Resp: 19476
Ion Ratio Lower Upper
252 100
253 26.7 22.2 33.4
125 21.3 18.0 27.0



#38
Benzo(k)fluoranthene
Concen: 0.391 ng
RT: 23.022 min Scan# 2595
Delta R.T. -0.003 min
Lab File: BN038230.D
Acq: 01 Dec 2025 17:51

Tgt Ion:252 Resp: 19637
Ion Ratio Lower Upper
252 100
253 27.5 22.4 33.6
125 21.9 17.5 26.3





#39

Benzo(a)pyrene

Concen: 0.405 ng

RT: 23.575 min Scan# 21

Delta R.T. -0.003 min

Lab File: BN038230.D

Acq: 01 Dec 2025 17:51

Instrument :

BNA_N

ClientSampleId :

SSTDCCC0.4

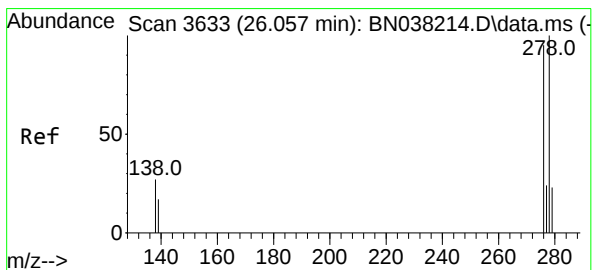
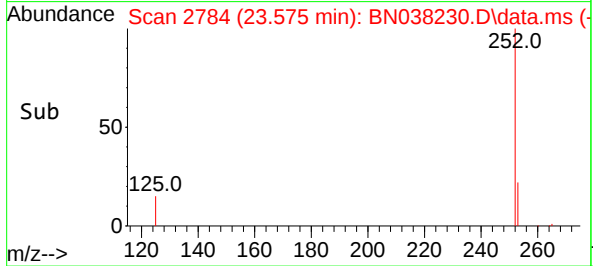
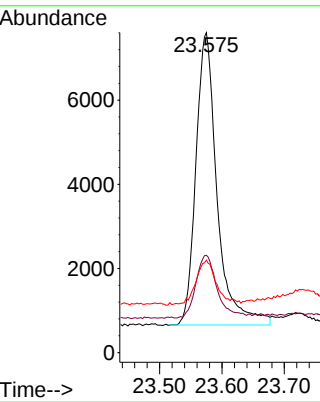
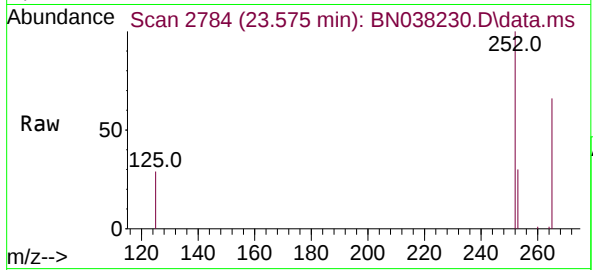
Tgt Ion:252 Resp: 16399

Ion Ratio Lower Upper

252 100

253 30.4 25.3 37.9

125 28.9 25.2 37.8



#40

Dibenzo(a,h)anthracene

Concen: 0.428 ng

RT: 26.042 min Scan# 3628

Delta R.T. -0.015 min

Lab File: BN038230.D

Acq: 01 Dec 2025 17:51

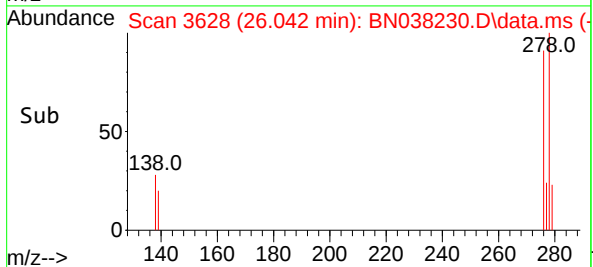
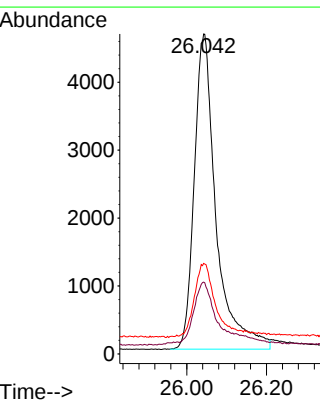
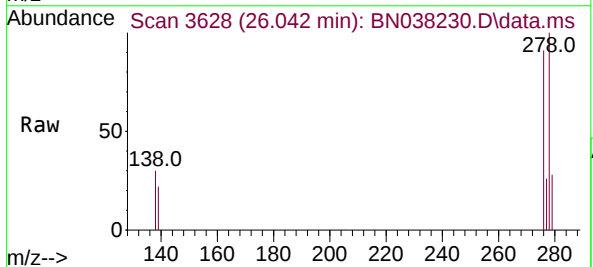
Tgt Ion:278 Resp: 17617

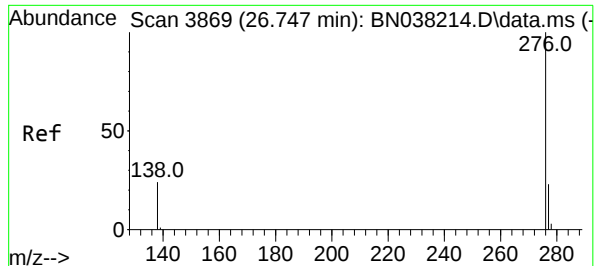
Ion Ratio Lower Upper

278 100

139 22.5 17.6 26.4

279 28.3 24.2 36.4





#41

Benzo(g,h,i)perylene

Concen: 0.418 ng

RT: 26.738 min Scan# 3866

Delta R.T. -0.009 min

Lab File: BN038230.D

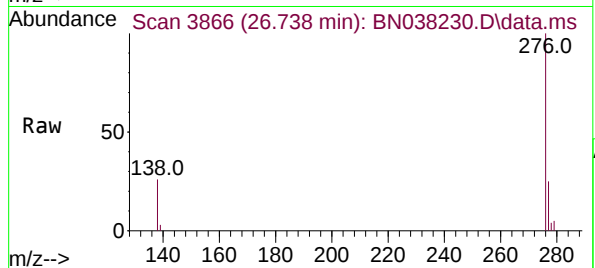
Acq: 01 Dec 2025 17:51

Instrument :

BNA_N

ClientSampleId :

SSTDCCC0.4



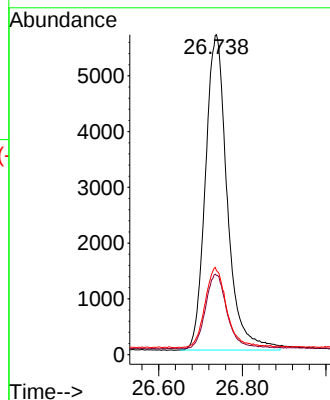
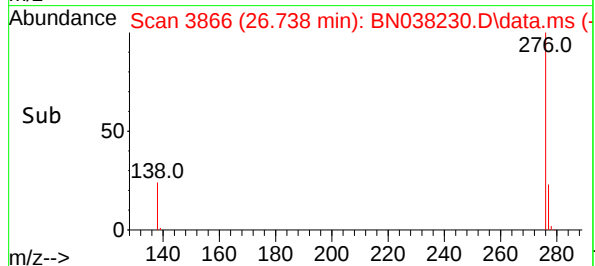
Tgt Ion:276 Resp: 20554

Ion Ratio Lower Upper

276 100

277 24.8 20.2 30.2

138 26.2 20.8 31.2



Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN120125\
 Data File : BN038230.D
 Acq On : 01 Dec 2025 17:51
 Operator : RC/JU
 Sample : SSTDCCC0.4
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_N
 LabSampleId :
 SSTDCCC0.4

Quant Time: Dec 01 18:21:10 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN112725.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Nov 28 21:04:10 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	108	0.00
2	1,4-Dioxane	0.421	0.451	-7.1	109	0.00
3	n-Nitrosodimethylamine	0.520	0.540	-3.8	107	0.00
4 S	2-Fluorophenol	0.935	0.944	-1.0	103	0.00
5 S	Phenol-d6	1.168	1.204	-3.1	107	0.00
6	bis(2-Chloroethyl)ether	1.118	1.195	-6.9	108	0.00
7 I	Naphthalene-d8	1.000	1.000	0.0	105	-0.01
8 S	Nitrobenzene-d5	0.320	0.317	0.9	107	0.00
9	Naphthalene	1.111	1.179	-6.1	107	0.00
10	Hexachlorobutadiene	0.189	0.209	-10.6	109	0.00
11 SURR	2-Methylnaphthalene-d10	0.568	0.591	-4.0	105	0.00
12	2-Methylnaphthalene	0.731	0.766	-4.8	106	0.00
13 I	Acenaphthene-d10	1.000	1.000	0.0	100	0.00
14 S	2,4,6-Tribromophenol	0.126	0.139	-10.3	113	-0.01
15 S	2-Fluorobiphenyl	1.545	1.656	-7.2	105	0.00
16	Acenaphthylene	1.789	1.881	-5.1	105	0.00
17	Acenaphthene	1.247	1.321	-5.9	103	-0.01
18	Fluorene	1.614	1.678	-4.0	102	0.00
19 I	Phenanthrene-d10	1.000	1.000	0.0	96	-0.01
20	4,6-Dinitro-2-methylphenol	0.042	0.043	-2.4	160#	-0.01
21	4-Bromophenyl-phenylether	0.277	0.298	-7.6	101	0.00
22	Hexachlorobenzene	0.341	0.380	-11.4	102	0.00
23	Atrazine	0.177	0.179	-1.1	99	-0.01
24	Pentachlorophenol	0.093	0.105	-12.9	120	0.00
25	Phenanthrene	1.256	1.306	-4.0	96	0.00
26	Anthracene	1.071	1.109	-3.5	100	0.00
27 SURR	Fluoranthene-d10	0.868	0.851	2.0	92	0.00
28	Fluoranthene	1.210	1.227	-1.4	96	0.00
29 I	Chrysene-d12	1.000	1.000	0.0	91	0.00
30	Pyrene	1.998	2.163	-8.3	95	0.00
31 S	Terphenyl-d14	0.924	0.961	-4.0	91	0.00
32	Benzo(a)anthracene	1.355	1.448	-6.9	97	0.00
33	Chrysene	1.599	1.760	-10.1	97	0.00
34	Bis(2-ethylhexyl)phthalate	0.742	0.799	-7.7	91	0.00
35 I	Perylene-d12	1.000	1.000	0.0	98	0.00
36	Indeno(1,2,3-cd)pyrene	1.851	1.968	-6.3	103	-0.01
37	Benzo(b)fluoranthene	1.642	1.657	-0.9	96	0.00
38	Benzo(k)fluoranthene	1.707	1.670	2.2	93	0.00
39 C	Benzo(a)pyrene	1.376	1.395	-1.4	99	0.00
40	Dibenzo(a,h)anthracene	1.401	1.499	-7.0	107	-0.01
41	Benzo(g,h,i)perylene	1.674	1.748	-4.4	100	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\BN120125\
 Data File : BN038230.D
 Acq On : 01 Dec 2025 17:51
 Operator : RC/JU
 Sample : SSTDCCC0.4
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_N
 LabSampleId :
 SSTDCCC0.4

Quant Time: Dec 01 18:21:10 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN112725.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Nov 28 21:04:10 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	108	0.00
2	1,4-Dioxane	0.400	0.428	-7.0	109	0.00
3	n-Nitrosodimethylamine	0.400	0.416	-4.0	107	0.00
4 S	2-Fluorophenol	0.400	0.404	-1.0	103	0.00
5 S	Phenol-d6	0.400	0.412	-3.0	107	0.00
6	bis(2-Chloroethyl)ether	0.400	0.428	-7.0	108	0.00
7 I	Naphthalene-d8	0.400	0.400	0.0	105	-0.01
8 S	Nitrobenzene-d5	0.400	0.396	1.0	107	0.00
9	Naphthalene	0.400	0.424	-6.0	107	0.00
10	Hexachlorobutadiene	0.400	0.442	-10.5	109	0.00
11 SURR	2-Methylnaphthalene-d10	0.400	0.416	-4.0	105	0.00
12	2-Methylnaphthalene	0.400	0.419	-4.7	106	0.00
13 I	Acenaphthene-d10	0.400	0.400	0.0	100	0.00
14 S	2,4,6-Tribromophenol	0.400	0.440	-10.0	113	-0.01
15 S	2-Fluorobiphenyl	0.400	0.429	-7.2	105	0.00
16	Acenaphthylene	0.400	0.421	-5.2	105	0.00
17	Acenaphthene	0.400	0.424	-6.0	103	-0.01
18	Fluorene	0.400	0.416	-4.0	102	0.00
19 I	Phenanthrene-d10	0.400	0.400	0.0	96	-0.01
20	4,6-Dinitro-2-methylphenol	0.400	0.563	-40.7#	160	-0.01
21	4-Bromophenyl-phenylether	0.400	0.430	-7.5	101	0.00
22	Hexachlorobenzene	0.400	0.446	-11.5	102	0.00
23	Atrazine	0.400	0.405	-1.3	99	-0.01
24	Pentachlorophenol	0.400	0.448	-12.0	120	0.00
25	Phenanthrene	0.400	0.416	-4.0	96	0.00
26	Anthracene	0.400	0.414	-3.5	100	0.00
27 SURR	Fluoranthene-d10	0.400	0.392	2.0	92	0.00
28	Fluoranthene	0.400	0.406	-1.5	96	0.00
29 I	Chrysene-d12	0.400	0.400	0.0	91	0.00
30	Pyrene	0.400	0.433	-8.2	95	0.00
31 S	Terphenyl-d14	0.400	0.416	-4.0	91	0.00
32	Benzo(a)anthracene	0.400	0.428	-7.0	97	0.00
33	Chrysene	0.400	0.440	-10.0	97	0.00
34	Bis(2-ethylhexyl)phthalate	0.400	0.431	-7.7	91	0.00
35 I	Perylene-d12	0.400	0.400	0.0	98	0.00
36	Indeno(1,2,3-cd)pyrene	0.400	0.425	-6.2	103	-0.01
37	Benzo(b)fluoranthene	0.400	0.404	-1.0	96	0.00
38	Benzo(k)fluoranthene	0.400	0.391	2.3	93	0.00
39 C	Benzo(a)pyrene	0.400	0.405	-1.3	99	0.00
40	Dibenzo(a,h)anthracene	0.400	0.428	-7.0	107	-0.01
41	Benzo(g,h,i)perylene	0.400	0.418	-4.5	100	0.00

(#) = Out of Range

SPCC's out = 0 CCC's out = 0

Instrument :

BNA_N

LabSampleId :

SSTDCCC0.4



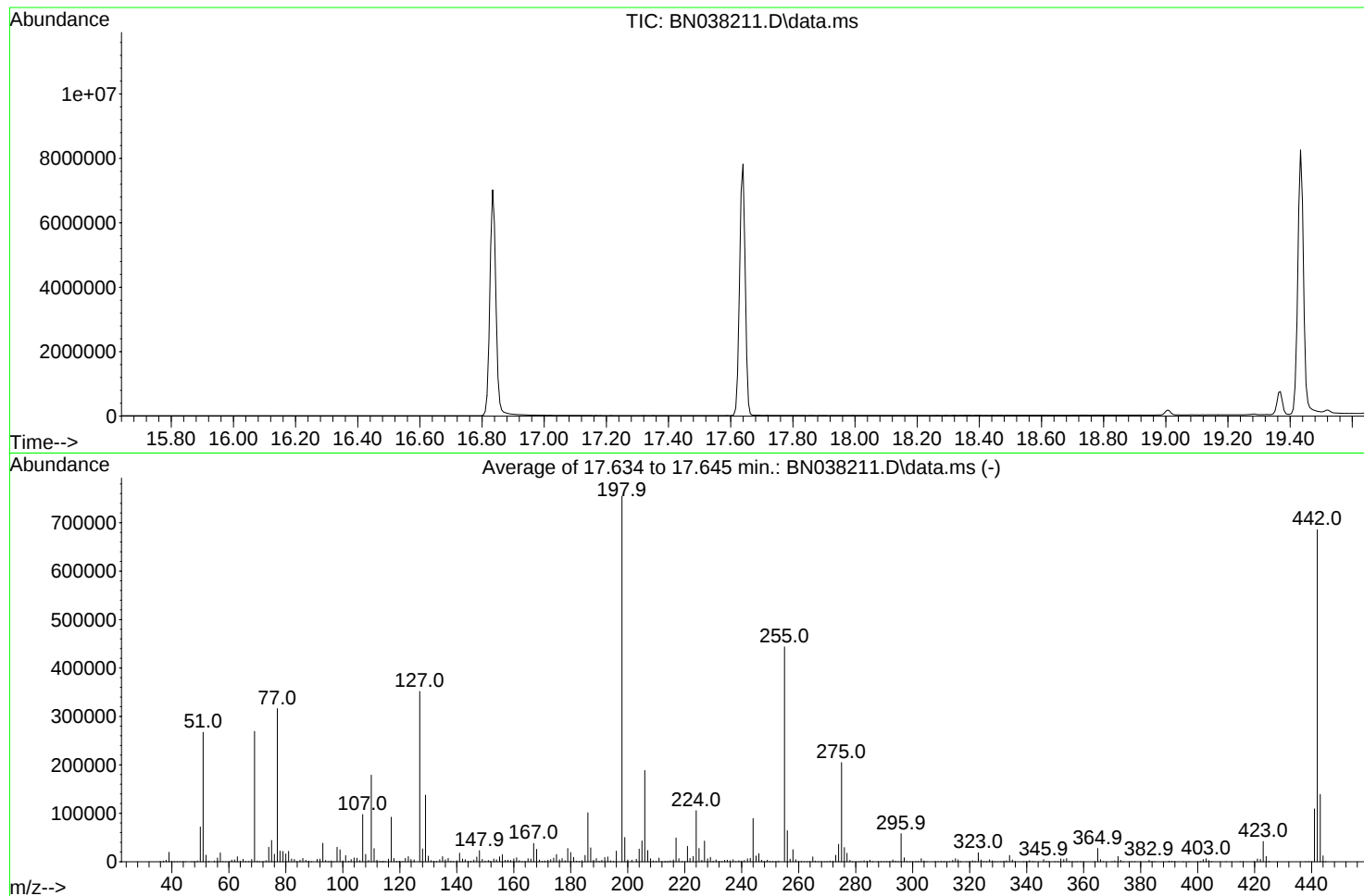
QC SAMPLE DATA

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN112725\
Data File : BN038211.D
Acq On : 26 Nov 2025 19:55
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
DFTPP

Integration File: rteint.p

Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN112725.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Fri Nov 28 21:04:10 2025



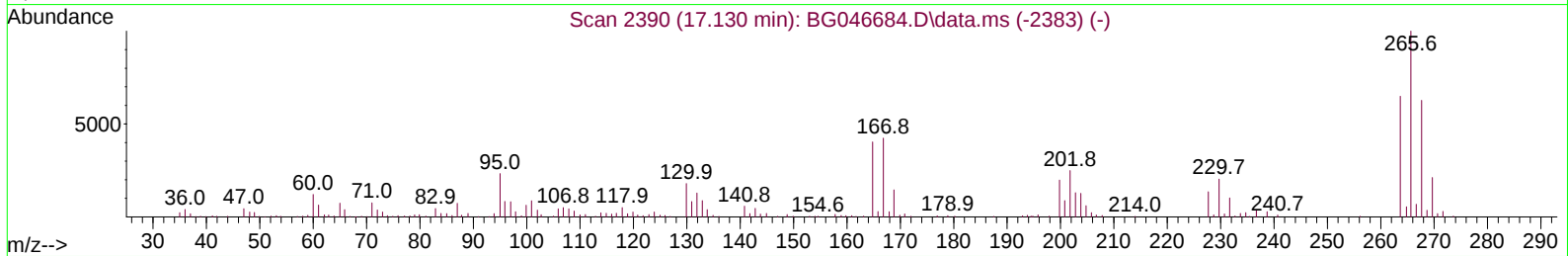
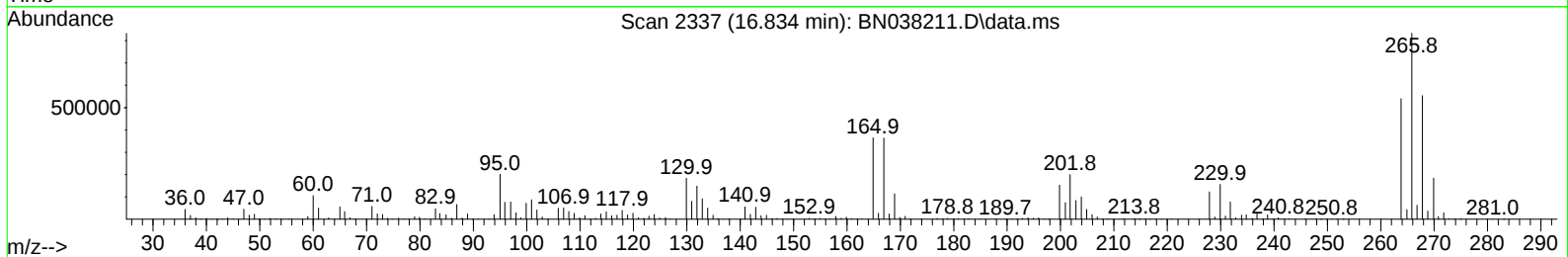
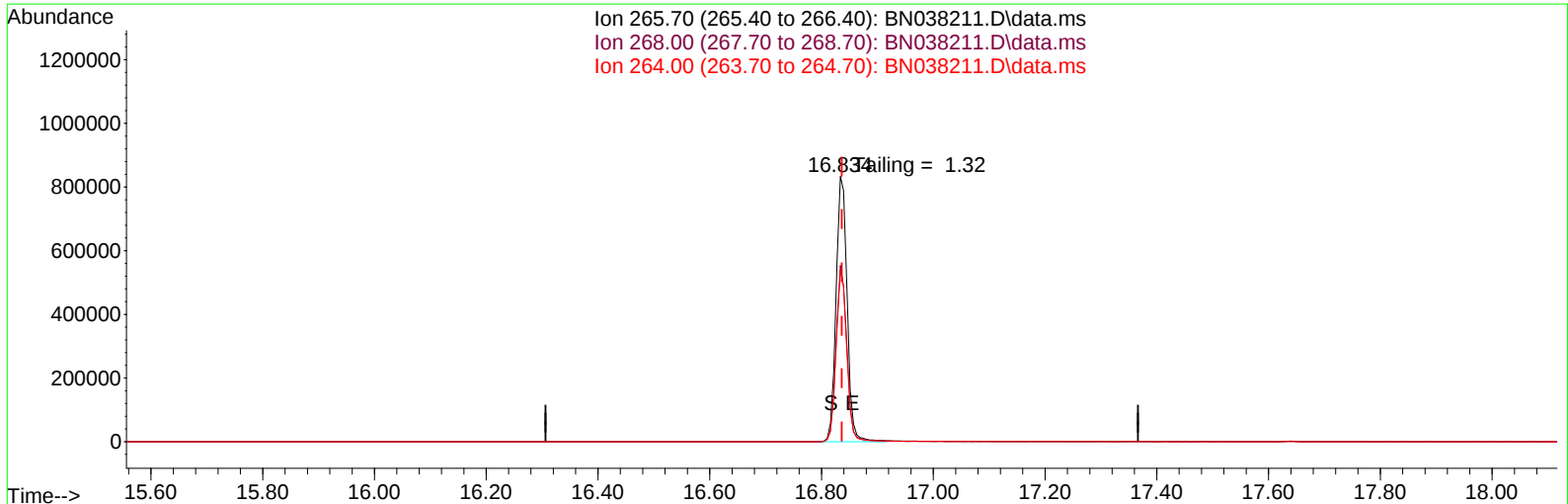
AutoFind: Scans 2473, 2474, 2475; Background Corrected with Scan 2465

Target	Rel. to	Lower	Upper	Rel.	Raw	Result
Mass	Mass	Limit%	Limit%	Abn%	Abn	Pass/Fail
68	69	0.00	2	1.8	4865	PASS
69	69	100	100	100.0	269184	PASS
70	69	0.00	2	0.5	1321	PASS
197	198	0.00	2	0.0	0	PASS
198	198	100	100	100.0	754667	PASS
199	198	5	9	6.6	49939	PASS
365	198	1	100	3.6	27373	PASS
441	443	0.01	150	78.5	109085	PASS
442	442	100	100	100.0	685653	PASS
443	442	15	24	20.3	139035	PASS

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN112725\
Data File : BN038211.D
Acq On : 26 Nov 2025 19:55
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
DFTPP

Quant Time: Dec 01 17:45:56 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270E-Tune.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Dec 01 10:15:10 2025
Response via : Initial Calibration



TIC: BN038211.D\data.ms

(70) Pentachlorophenol (C)

16.834min (-0.002) 31780.36 ng

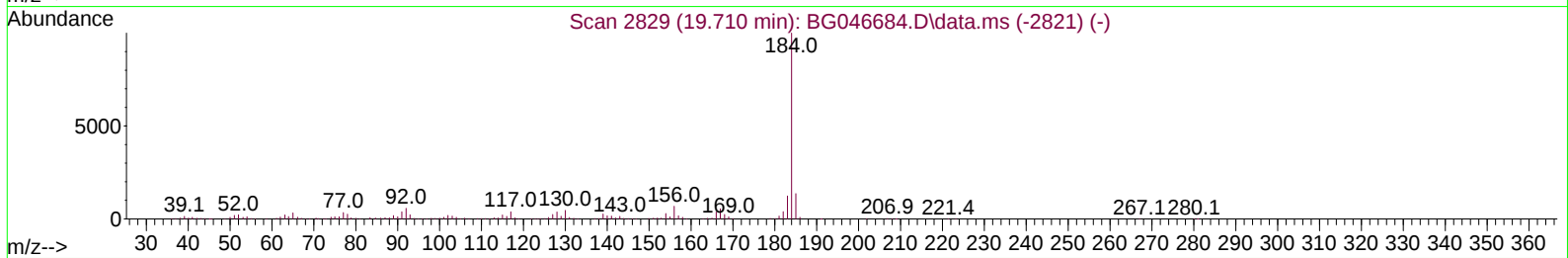
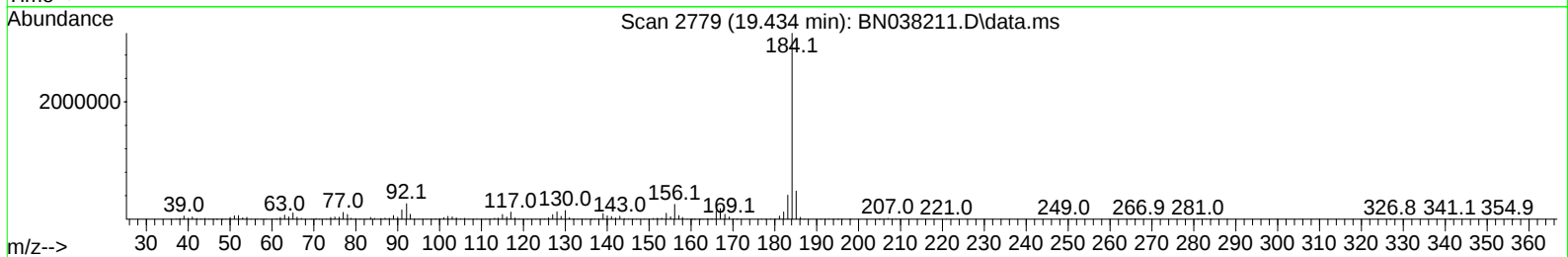
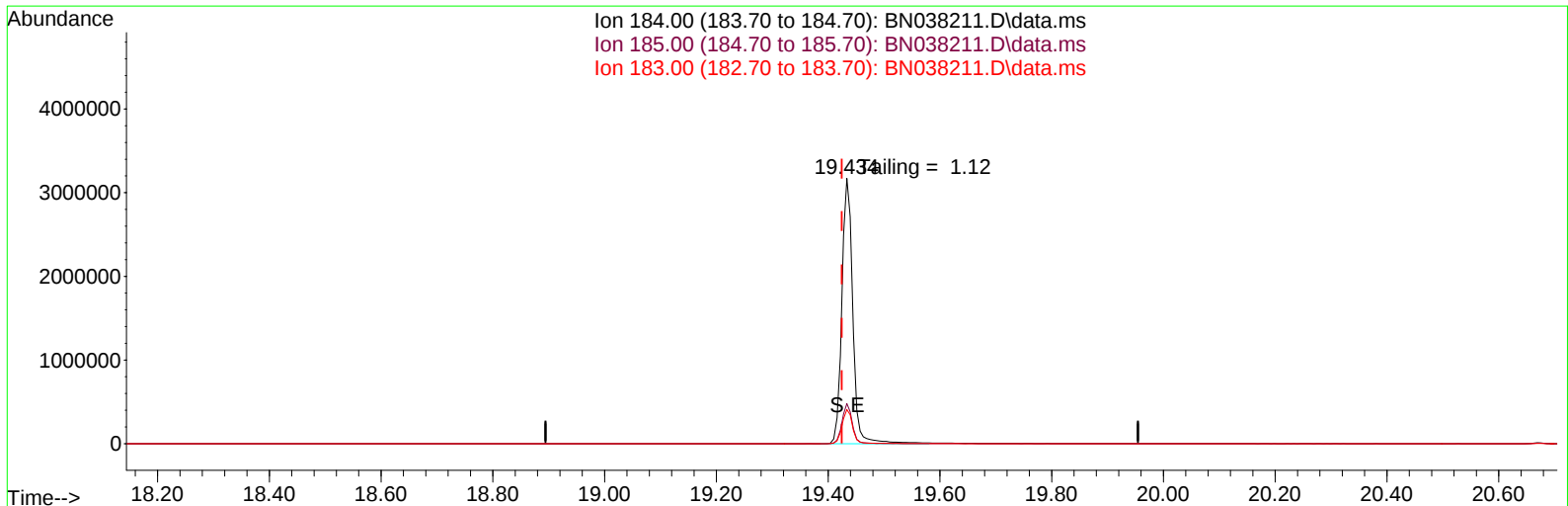
response 1154991

Ion	Exp%	Act%
265.70	100.00	100.00
268.00	62.20	66.41
264.00	61.60	64.81
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN112725\
Data File : BN038211.D
Acq On : 26 Nov 2025 19:55
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
DFTPP

Quant Time: Dec 01 17:45:56 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270E-Tune.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Dec 01 10:15:10 2025
Response via : Initial Calibration



TIC: BN038211.D\data.ms

(77) Benzidine**19.434min (+ 0.009) 0.00 ng****response 4344162**

Ion	Exp%	Act%
184.00	100.00	100.00
185.00	15.50	15.12
183.00	13.20	12.88
0.00	0.00	0.00

DDT Breakdown

Date	Instrument Name	DFTPP Data File
11/27/2025	BNA_N	<u>BN038211.D</u>
Compound Name	Response	Retention Time
DDT	2721200	20.675
DDD	25337	20.233
DDE	5413	19.728
SUM(DDD+DDE)	SUM(DDT+DDD+DDE)	% Breakdown Of DDT
30750	2751950	1.12

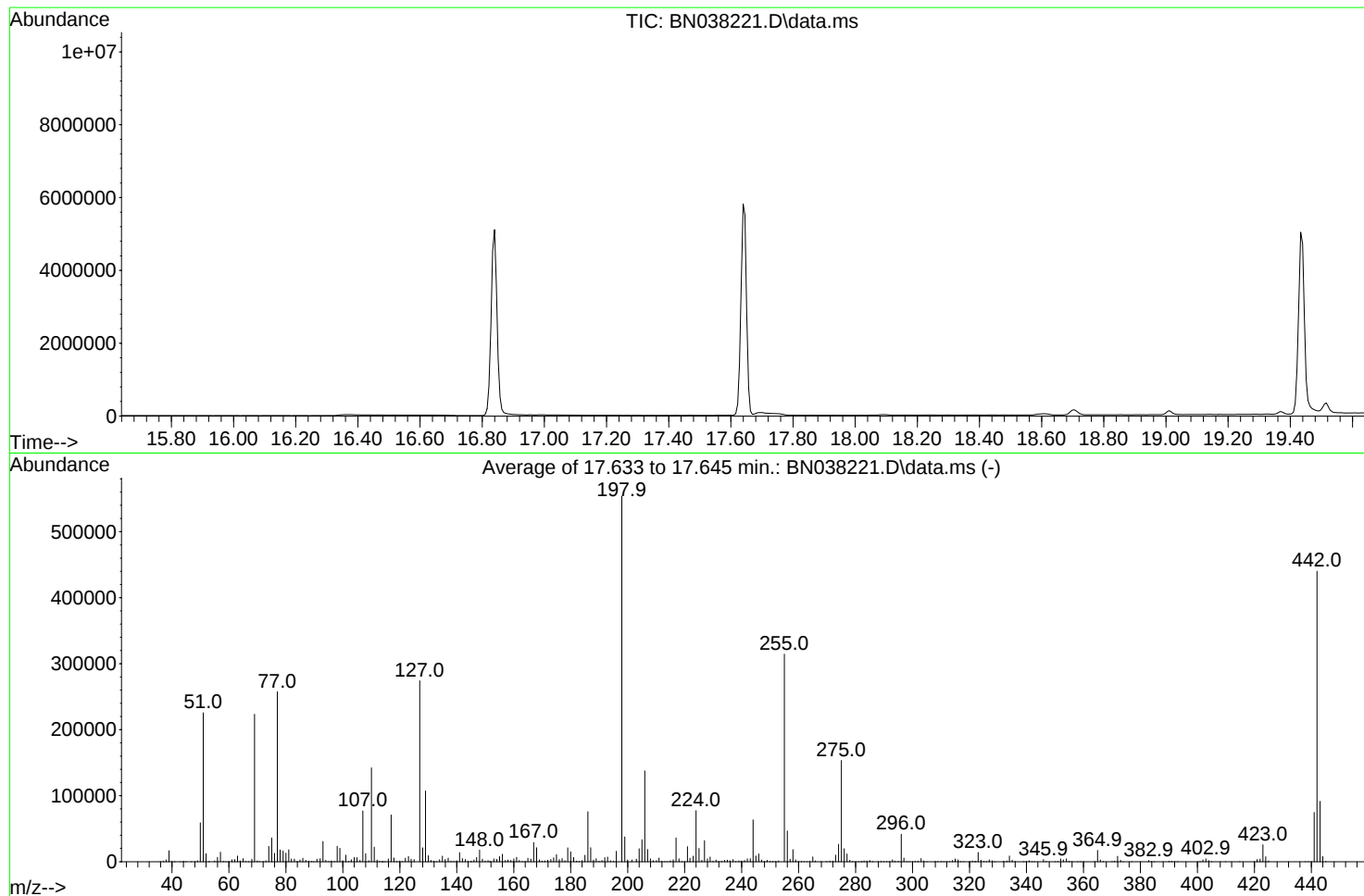
Instrument :
BNA_N
ClientSampleId :
DFTPP

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN120125\
Data File : BN038221.D
Acq On : 01 Dec 2025 09:44
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-BN112725.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Fri Nov 28 21:04:10 2025



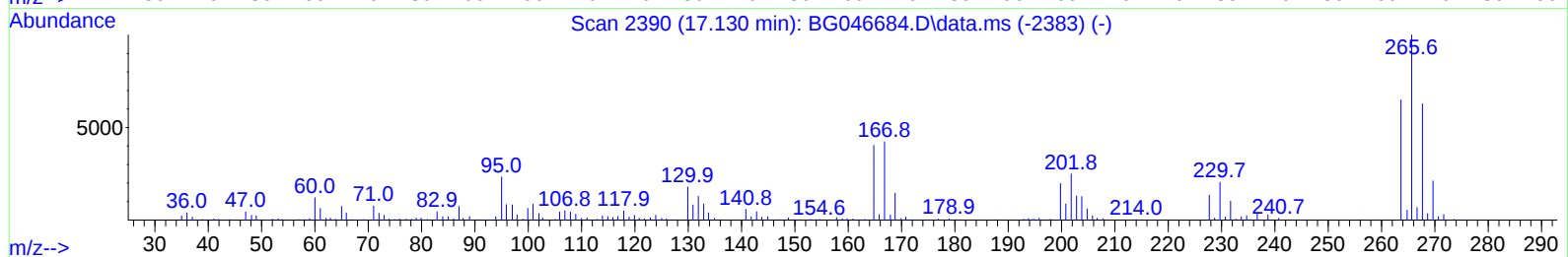
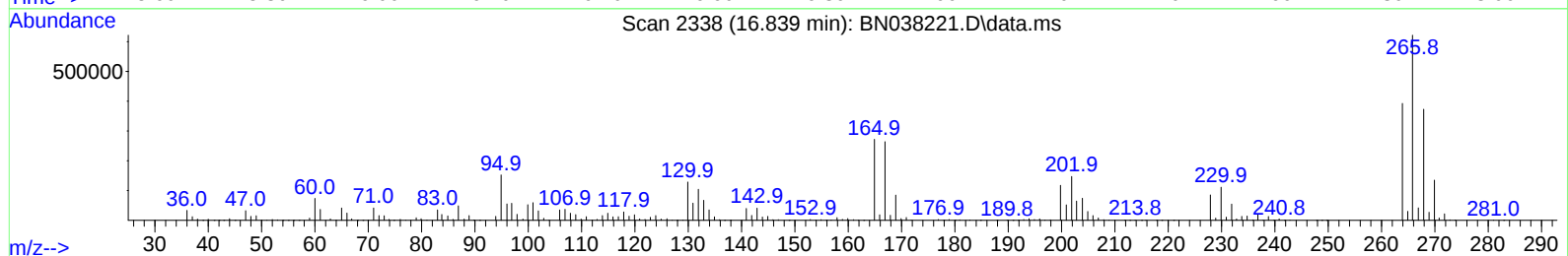
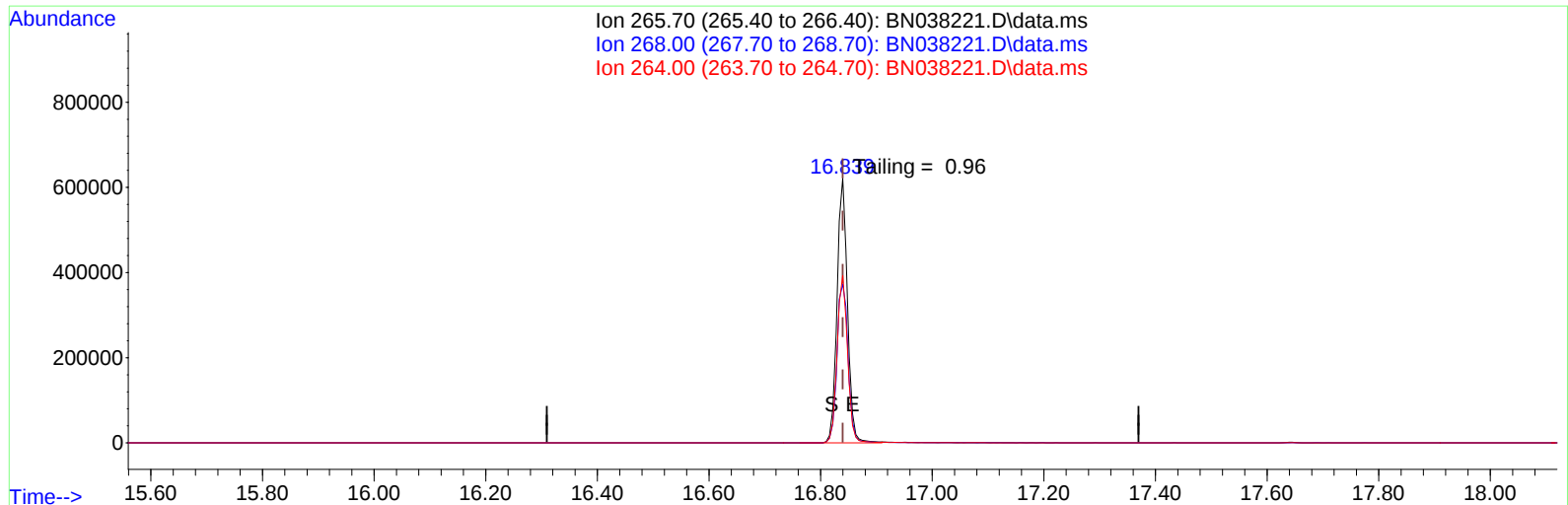
AutoFind: Scans 2473, 2474, 2475; Background Corrected with Scan 2466

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
68	69	0.00	2	1.8	4018	PASS
69	69	100	100	100.0	223472	PASS
70	69	0.00	2	0.5	1164	PASS
197	198	0.00	2	0.0	0	PASS
198	198	100	100	100.0	553771	PASS
199	198	5	9	6.8	37515	PASS
365	198	1	100	3.1	17260	PASS
441	443	0.01	150	81.5	74659	PASS
442	442	100	100	100.0	440299	PASS
443	442	15	24	20.8	91557	PASS

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN120125\
Data File : BN038221.D
Acq On : 01 Dec 2025 09:44
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
DFTPP

Quant Time: Dec 01 10:15:18 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270E-Tune.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Dec 01 10:15:10 2025
Response via : Initial Calibration



TIC: BN038221.D\data.ms

(70) Pentachlorophenol (C)

16.839min (0.000) 277.71 ng

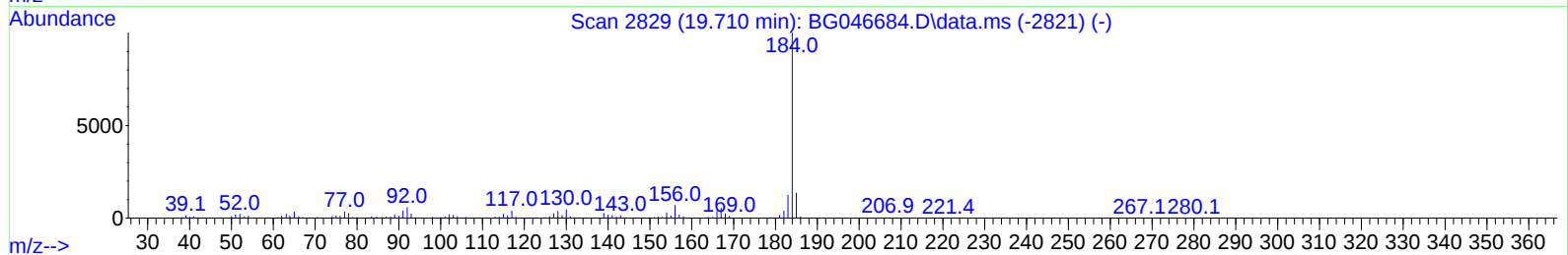
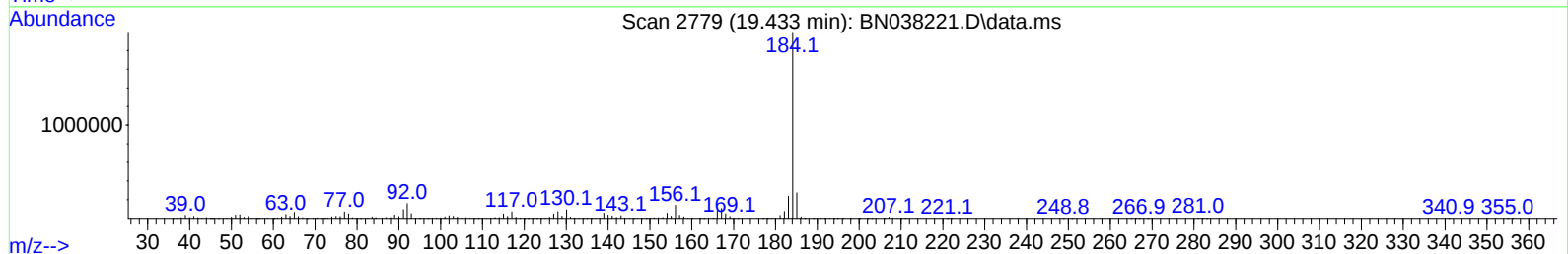
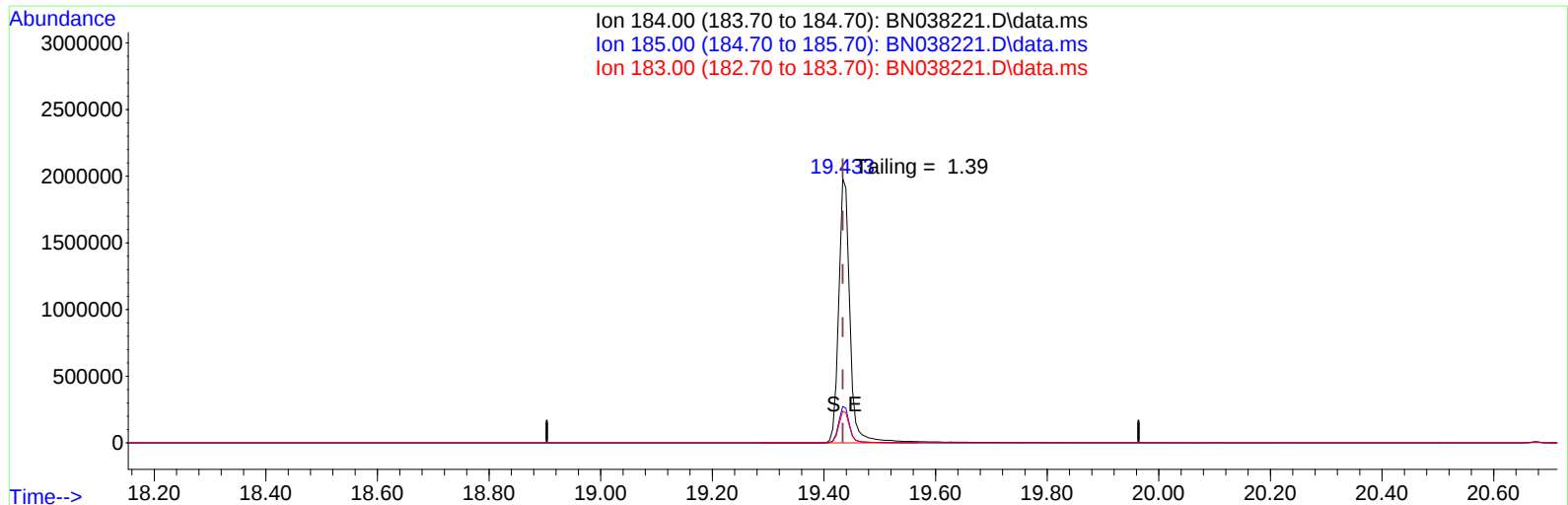
response 805839

Ion	Exp%	Act%
265.70	100.00	100.00
268.00	62.20	59.99
264.00	61.60	63.18
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN120125\
Data File : BN038221.D
Acq On : 01 Dec 2025 09:44
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
DFTPP

Quant Time: Dec 01 10:15:18 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270E-Tune.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Dec 01 10:15:10 2025
Response via : Initial Calibration



TIC: BN038221.D\data.ms

(77) Benzidine

19.433min (0.000) 0.00 ng

response 2788820

Ion	Exp%	Act%
184.00	100.00	100.00
185.00	15.50	13.78
183.00	13.20	12.01
0.00	0.00	0.00

DDT Breakdown

Date	Instrument Name	DFTPP Data File
12/1/2025	BNA_N	<u>BN038221.D</u>
Compound Name	Response	Retention Time
DDT	2086896	20.674
DDD	33362	20.233
DDE	7757	19.727
SUM(DDD+DDE)	SUM(DDT+DDD+DDE)	% Breakdown Of DDT
41119	2128015	1.93

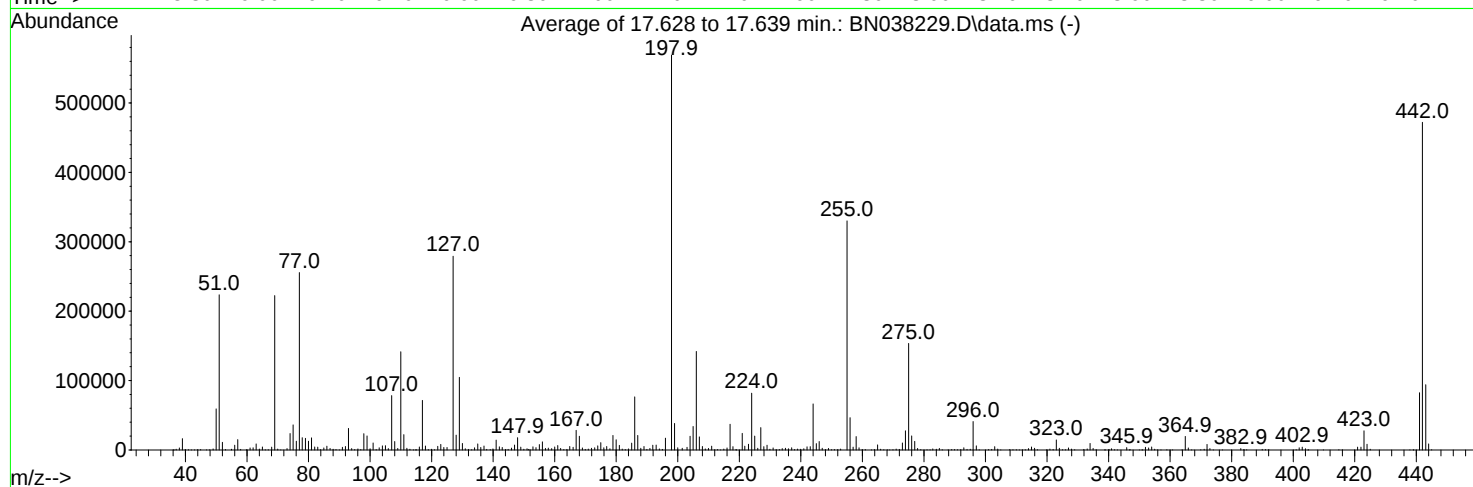
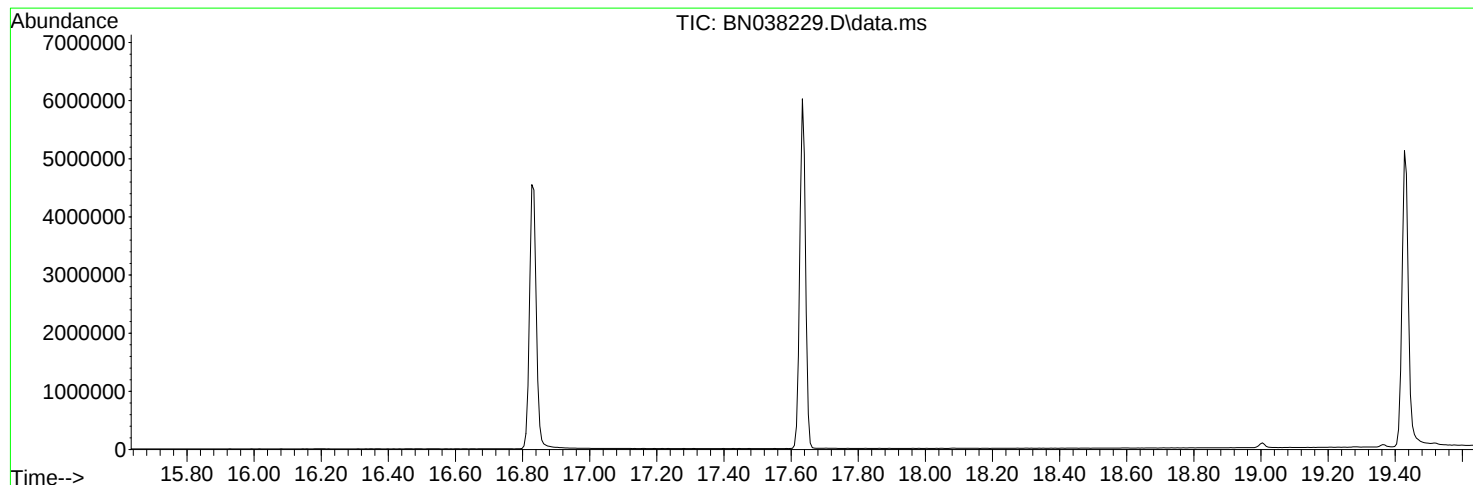
Instrument :
BNA_N
ClientSampleId :
DFTPP

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN120125\
Data File : BN038229.D
Acq On : 01 Dec 2025 17:11
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-BN112725.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Fri Nov 28 21:04:10 2025



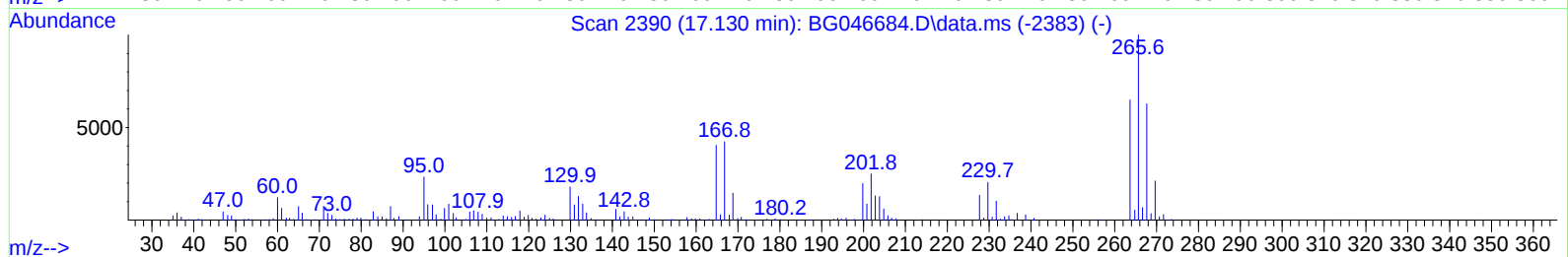
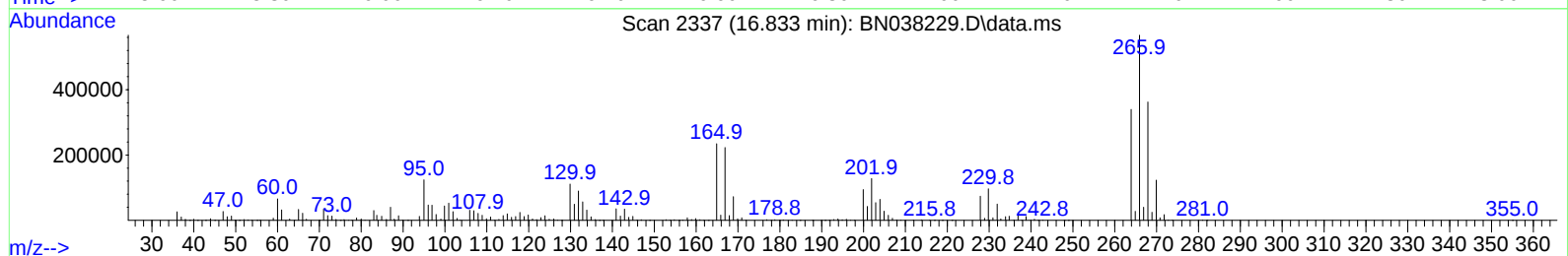
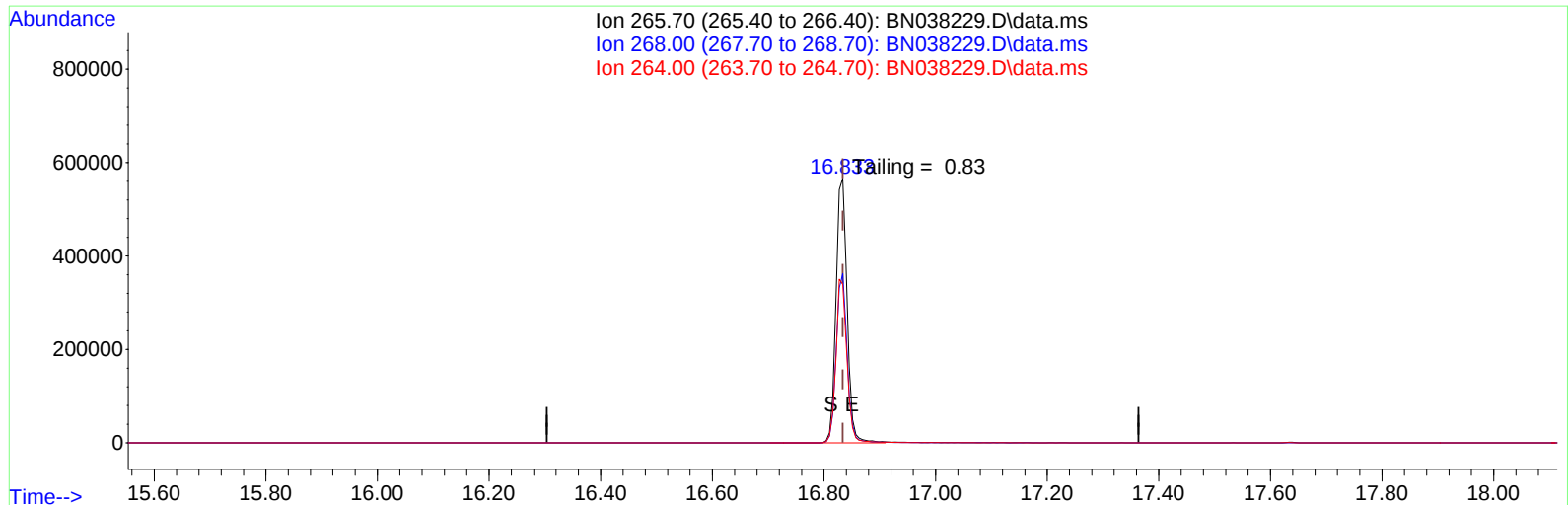
AutoFind: Scans 2472, 2473, 2474; Background Corrected with Scan 2465

Target	Rel. to	Lower	Upper	Rel.	Raw	Result
Mass	Mass	Limit%	Limit%	Abn%	Abn	Pass/Fail
68	69	0.00	2	1.8	3958	PASS
69	69	100	100	100.0	222464	PASS
70	69	0.00	2	0.5	1221	PASS
197	198	0.00	2	0.0	0	PASS
198	198	100	100	100.0	569067	PASS
199	198	5	9	6.7	38248	PASS
365	198	1	100	3.4	19427	PASS
441	443	0.01	150	87.9	82573	PASS
442	442	100	100	100.0	472256	PASS
443	442	15	24	19.9	93936	PASS

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN120125\
Data File : BN038229.D
Acq On : 01 Dec 2025 17:11
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
DFTPP

Quant Time: Dec 01 17:45:52 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270E-Tune.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Dec 01 17:45:43 2025
Response via : Initial Calibration



TIC: BN038229.D\data.ms

(70) Pentachlorophenol (C)

16.833min (0.000) 277.76 ng

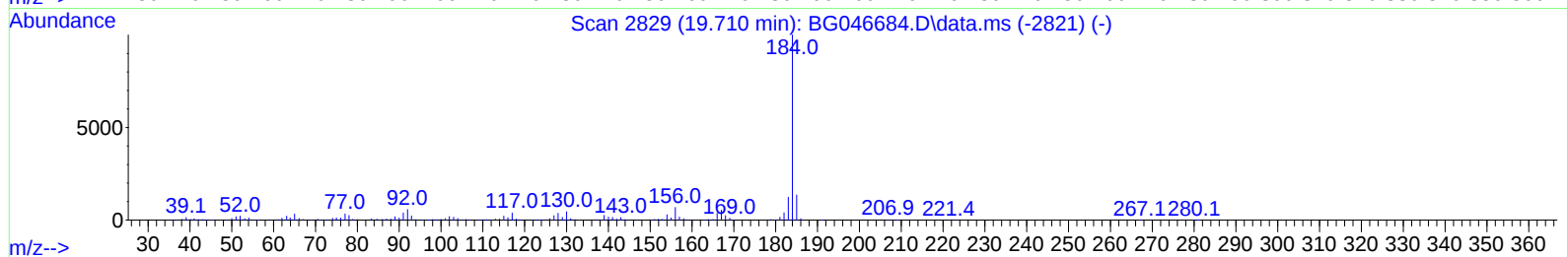
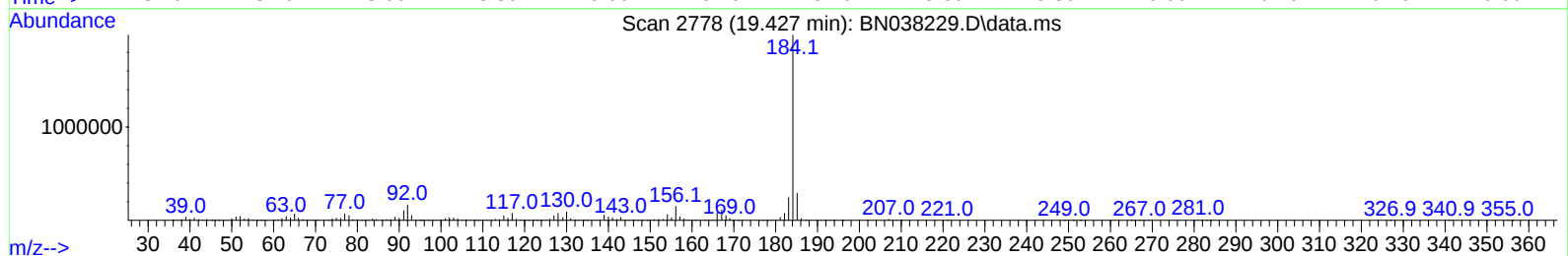
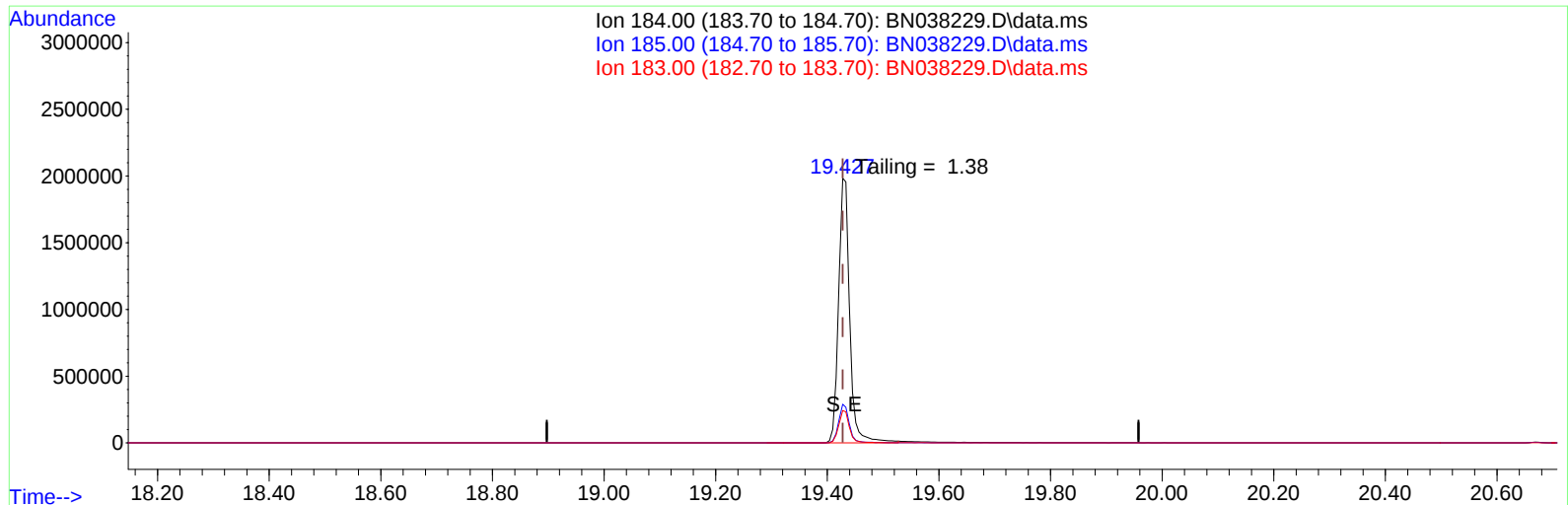
response 785850

Ion	Exp%	Act%
265.70	100.00	100.00
268.00	62.20	63.93
264.00	61.60	59.91
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN120125\
Data File : BN038229.D
Acq On : 01 Dec 2025 17:11
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
DFTPP

Quant Time: Dec 01 17:45:52 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270E-Tune.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Dec 01 17:45:43 2025
Response via : Initial Calibration



TIC: BN038229.D\data.ms

(77) Benzdine

19.427min (0.000) 0.00 ng

response 2797498

Ion	Exp%	Act%
184.00	100.00	100.00
185.00	15.50	14.63
183.00	13.20	12.24
0.00	0.00	0.00

DDT Breakdown

Date	Instrument Name	DFTPP Data File
12/1/2025	BNA_N	<u>BN038229.D</u>
Compound Name	Response	Retention Time
DDT	1521305	20.679
DDD	52158	20.227
DDE	1105	19.722
SUM(DDD+DDE)	SUM(DDT+DDD+DDE)	% Breakdown Of DDT
53263	1574568	3.38

Instrument :
BNA_N
ClientSampleId :
DFTPP



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

Report of Analysis

Client:	ENTACT		Date Collected:	
Project:	Whittaker Coatings Site – E9125B		Date Received:	
Client Sample ID:	PB170590BL		SDG No.:	Q3618
Lab Sample ID:	PB170590BL		Matrix:	SOIL
Analytical Method:	SW8270ESIM	Level: LOW	% Solid:	100
Sample Wt/Vol:	30.02 g	Final Vol: 1000 uL	Test:	SVOC-SIMGroup1
Prep Method :	sw3541	Prep Date: 11/18/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
TARGETS									
123-91-1	1,4-Dioxane	1.60	U	1	1.60	6.60	ug/Kg	12/01/25 10:59	PB170590
SURROGATES									
7297-45-2	2-Methylnaphthalene-d10	0.32			17 - 161	81%	SPK: 0.4		
93951-69-0	Fluoranthene-d10	0.36			23 - 138	91%	SPK: 0.4		
4165-60-0	Nitrobenzene-d5	0.35			33 - 121	88%	SPK: 0.4		
321-60-8	2-Fluorobiphenyl	0.37			32 - 121	92%	SPK: 0.4		
1718-51-0	Terphenyl-d14	0.38			21 - 130	94%	SPK: 0.4		
INTERNAL STANDARDS		Area Count							
3855-82-1	1,4-Dichlorobenzene-d4	8150							
1146-65-2	Naphthalene-d8	23000							
15067-26-2	Acenaphthene-d10	11500							
1517-22-2	Phenanthrene-d10	17600							
1719-03-5	Chrysene-d12	10900							
1520-96-3	Perylene-d12	10200							

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\BN120125\
 Data File : BN038223.D
 Acq On : 01 Dec 2025 10:59
 Operator : RC/JU
 Sample : PB170590BL
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 PB170590BL

Quant Time: Dec 01 11:23:01 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN112725.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Nov 28 21:04:10 2025
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.768	152	8151	0.400	ng	0.00
7) Naphthalene-d8	10.573	136	22998	0.400	ng	0.00
13) Acenaphthene-d10	14.430	164	11468	0.400	ng	0.00
19) Phenanthrene-d10	17.198	188	17647	0.400	ng	# 0.01
29) Chrysene-d12	21.375	240	10944	0.400	ng	0.00
35) Perylene-d12	23.683	264	10217	0.400	ng	# 0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.341	112	6713	0.352	ng	0.00
5) Phenol-d6	6.937	99	7346	0.309	ng	0.00
8) Nitrobenzene-d5	8.918	82	6433	0.350	ng	0.00
11) 2-Methylnaphthalene-d10	12.172	152	10509	0.322	ng	0.00
14) 2,4,6-Tribromophenol	15.957	330	579	0.160	ng	0.02
15) 2-Fluorobiphenyl	13.062	172	16339	0.369	ng	0.01
27) Fluoranthene-d10	19.225	212	13898	0.363	ng	0.00
31) Terphenyl-d14	19.824	244	9558	0.378	ng	0.00

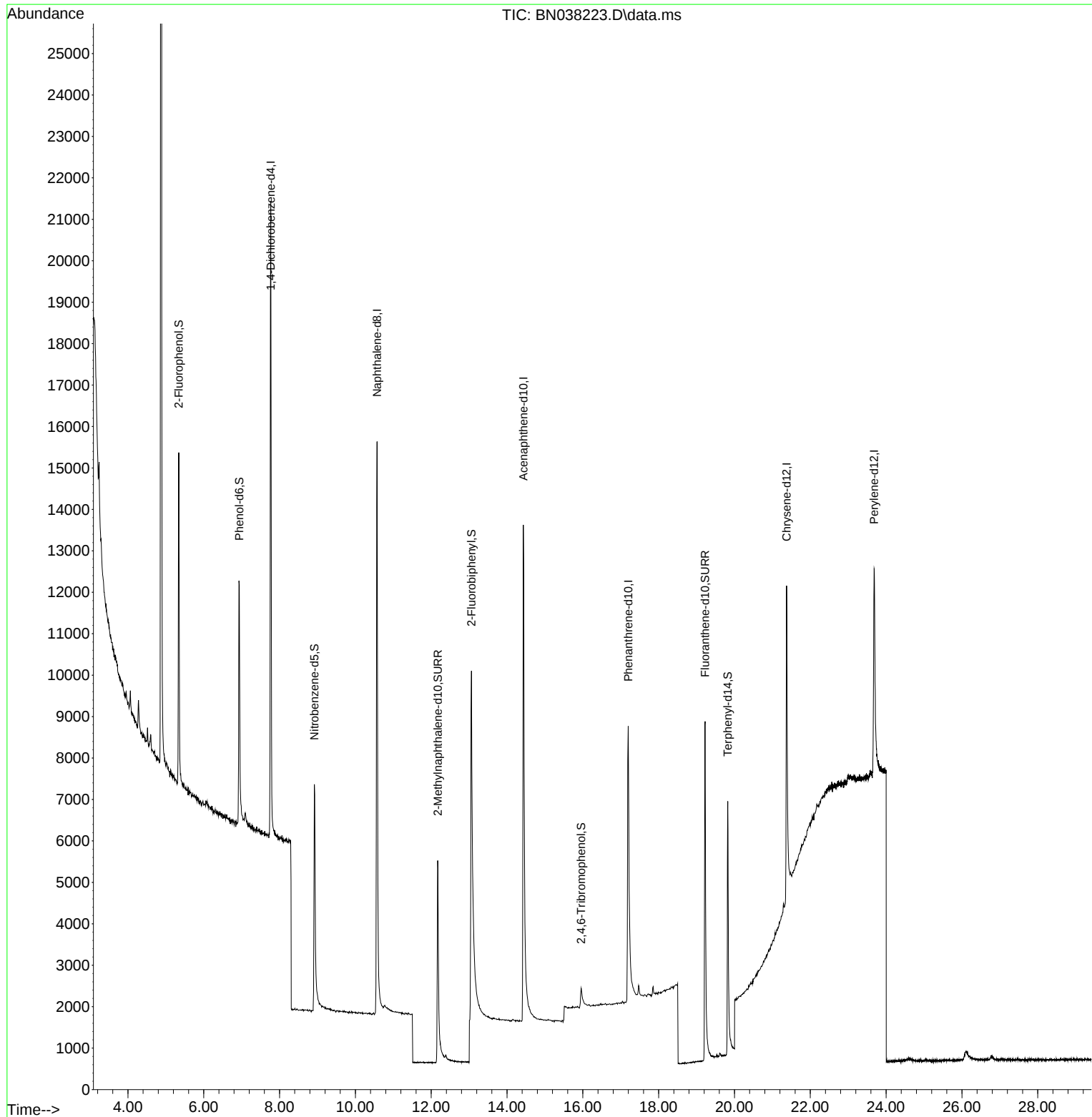
Target Compounds	Qvalue

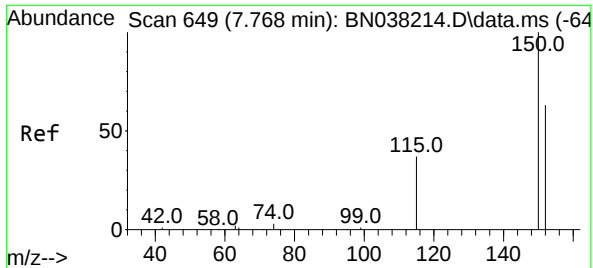
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN120125\
Data File : BN038223.D
Acq On : 01 Dec 2025 10:59
Operator : RC/JU
Sample : PB170590BL
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
PB170590BL

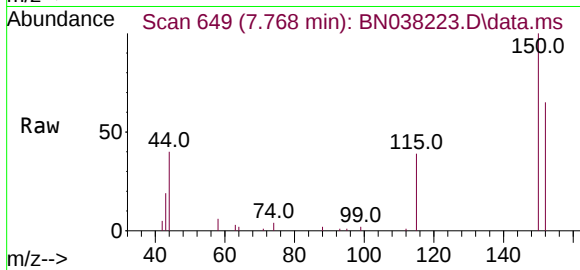
Quant Time: Dec 01 11:23:01 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN112725.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Nov 28 21:04:10 2025
Response via : Initial Calibration



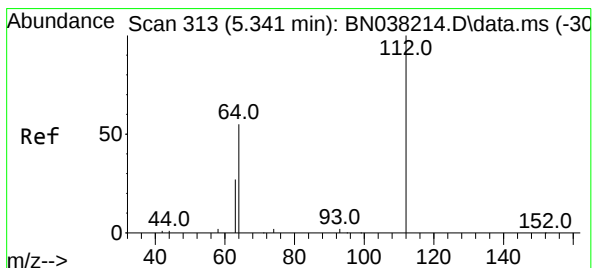
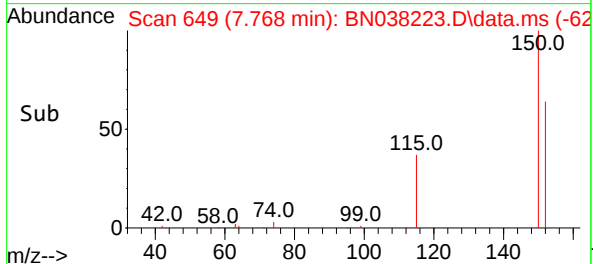
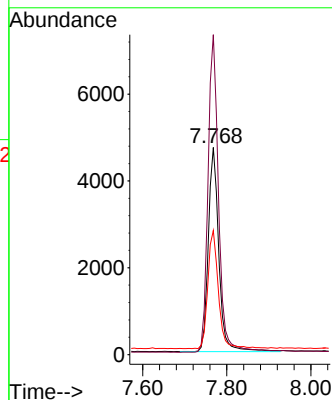


#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.768 min Scan# 649
Delta R.T. -0.000 min
Lab File: BN038223.D
Acq: 01 Dec 2025 10:59

Instrument :
BNA_N
ClientSampleId :
PB170590BL

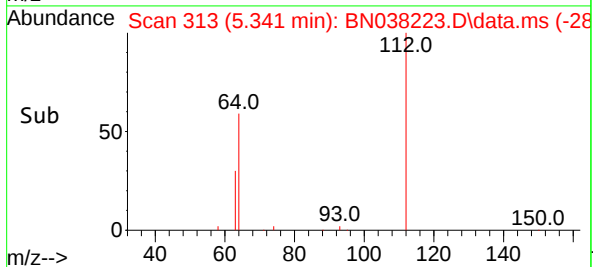
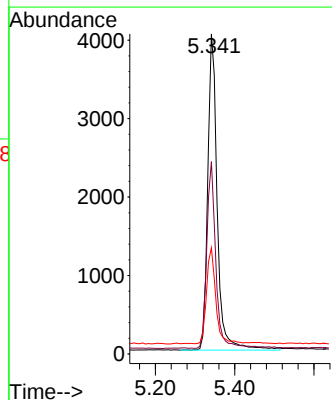
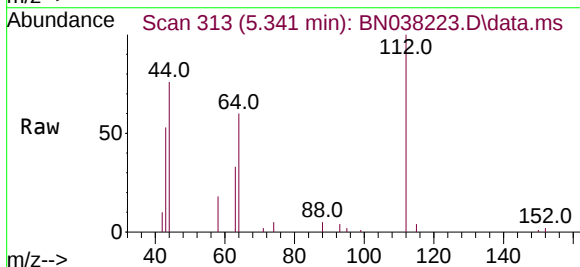


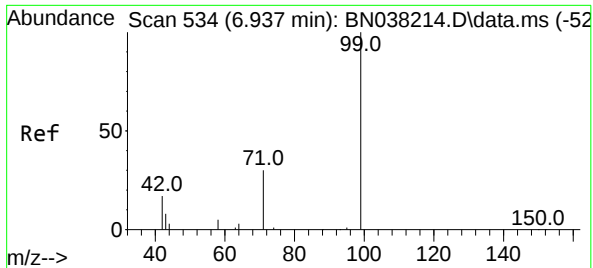
Tgt Ion:152 Resp: 8151
Ion Ratio Lower Upper
152 100
150 154.5 125.3 187.9
115 59.9 49.0 73.4



#4
2-Fluorophenol
Concen: 0.352 ng
RT: 5.341 min Scan# 313
Delta R.T. 0.000 min
Lab File: BN038223.D
Acq: 01 Dec 2025 10:59

Tgt Ion:112 Resp: 6713
Ion Ratio Lower Upper
112 100
64 56.6 45.0 67.4
63 29.4 23.2 34.8

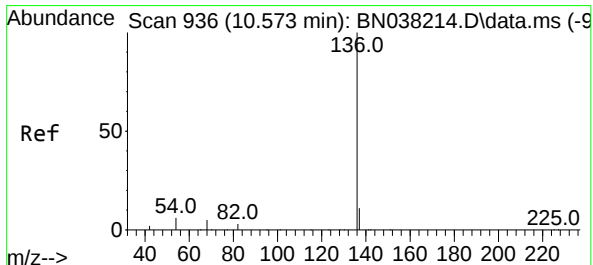
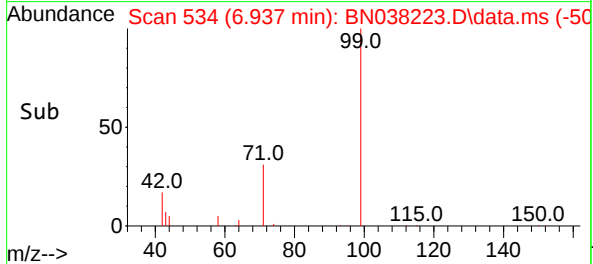
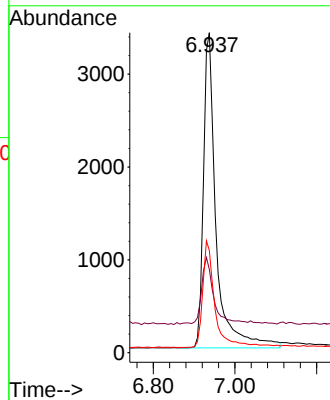
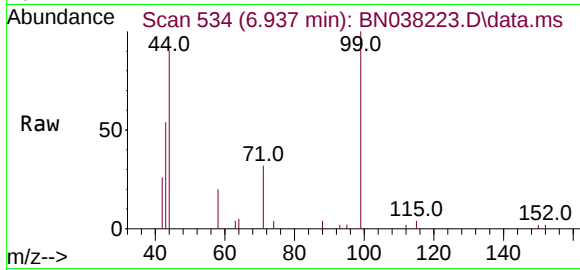




#5
Phenol-d6
Concen: 0.309 ng
RT: 6.937 min Scan# 534
Delta R.T. 0.000 min
Lab File: BN038223.D
Acq: 01 Dec 2025 10:59

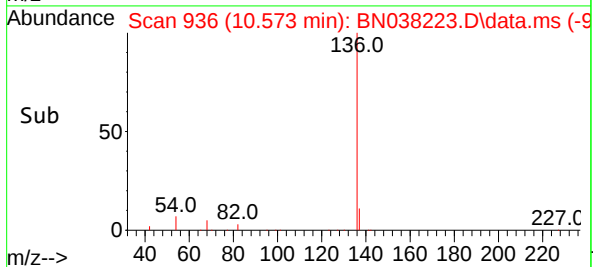
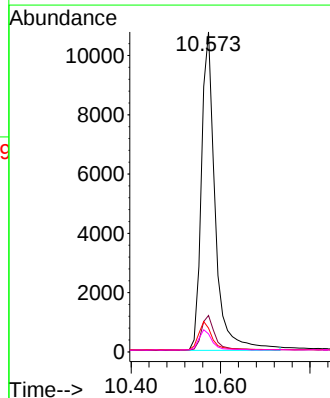
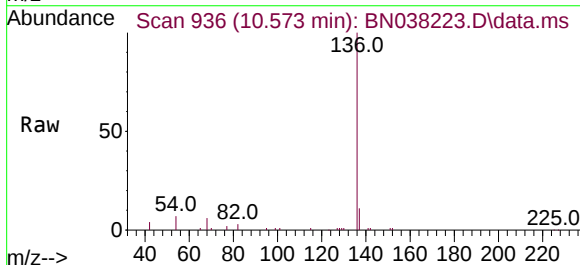
Instrument :
BNA_N
ClientSampleId :
PB170590BL

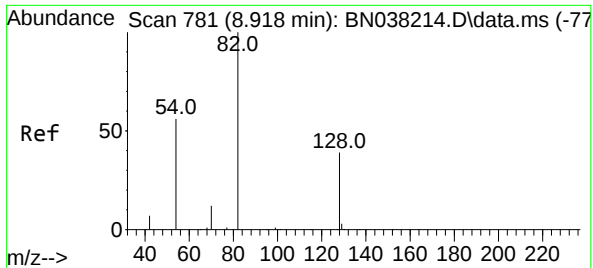
Tgt Ion:	99	Resp:	7346
Ion	Ratio	Lower	Upper
99	100		
42	20.0	17.0	25.6
71	33.1	25.4	38.2



#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.573 min Scan# 936
Delta R.T. 0.000 min
Lab File: BN038223.D
Acq: 01 Dec 2025 10:59

Tgt Ion:	136	Resp:	22998
Ion	Ratio	Lower	Upper
136	100		
137	11.4	8.9	13.3
54	7.4	5.4	8.0
68	5.6	4.1	6.1

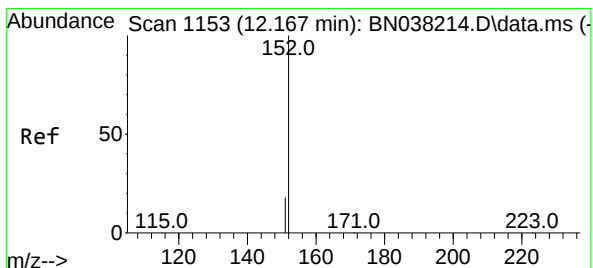
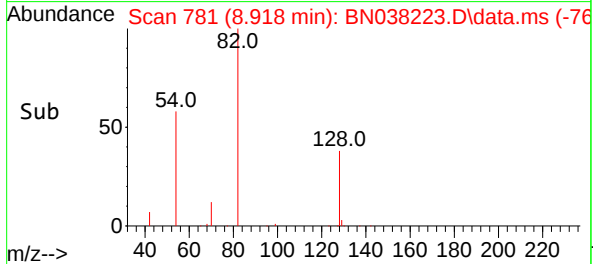
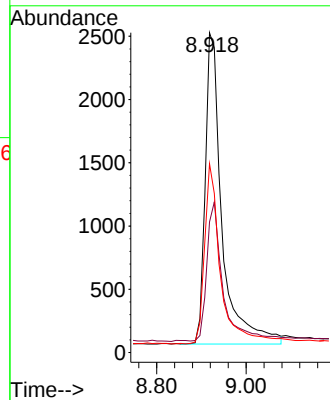
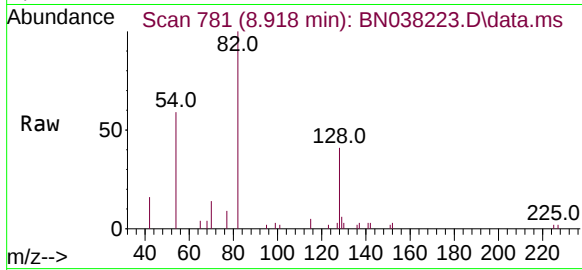




#8
Nitrobenzene-d5
Concen: 0.350 ng
RT: 8.918 min Scan# 781
Delta R.T. 0.000 min
Lab File: BN038223.D
Acq: 01 Dec 2025 10:59

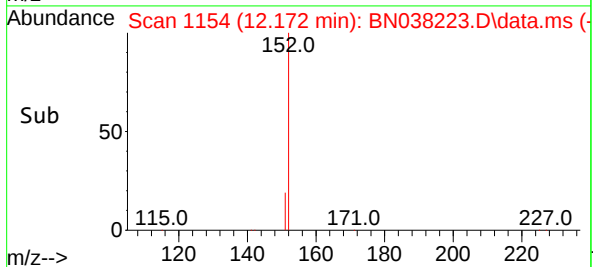
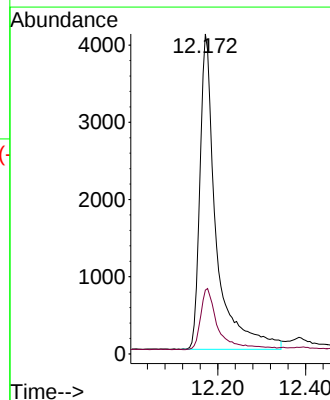
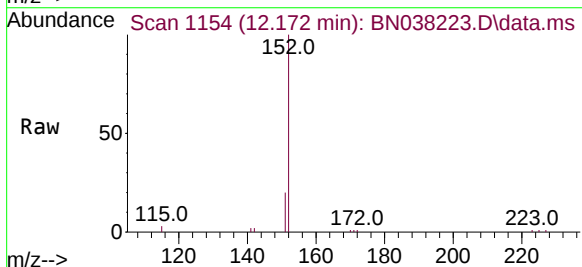
Instrument :
BNA_N
ClientSampleId :
PB170590BL

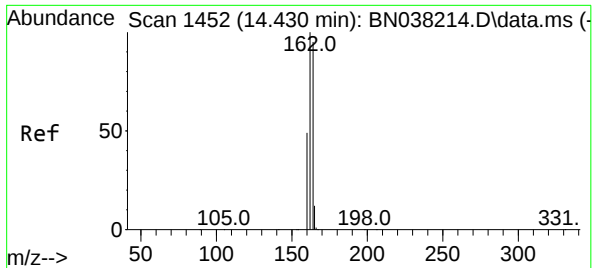
Tgt Ion:	82	Resp:	6433
Ion	Ratio	Lower	Upper
82	100		
128	40.8	32.6	48.8
54	59.0	45.4	68.0



#11
2-Methylnaphthalene-d10
Concen: 0.322 ng
RT: 12.172 min Scan# 1154
Delta R.T. 0.005 min
Lab File: BN038223.D
Acq: 01 Dec 2025 10:59

Tgt Ion:	152	Resp:	10509
Ion	Ratio	Lower	Upper
152	100		
151	20.8	16.7	25.1

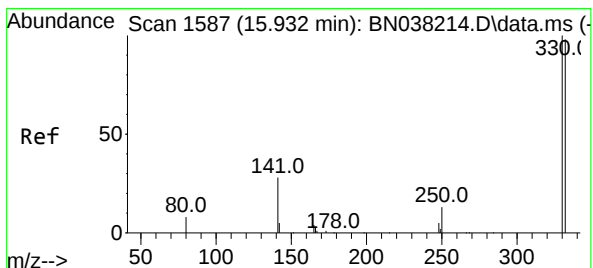
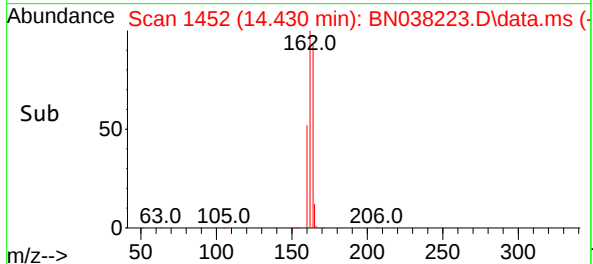
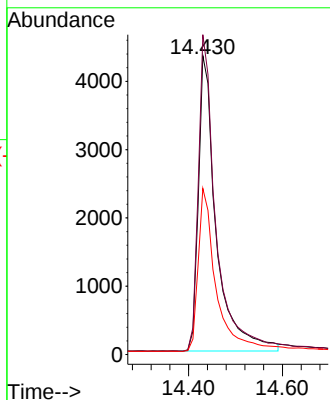
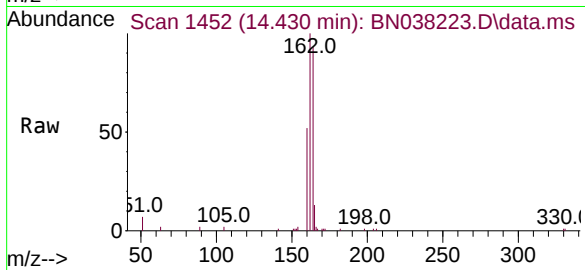




#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.430 min Scan# 1452
Delta R.T. 0.000 min
Lab File: BN038223.D
Acq: 01 Dec 2025 10:59

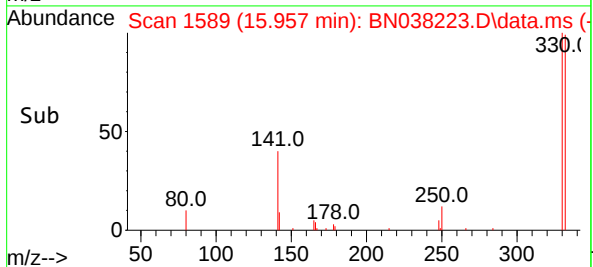
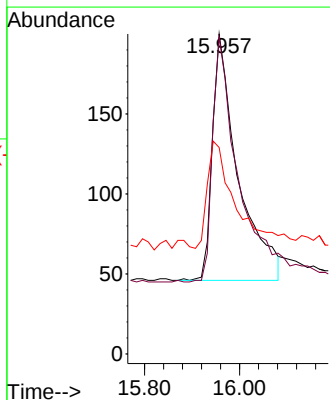
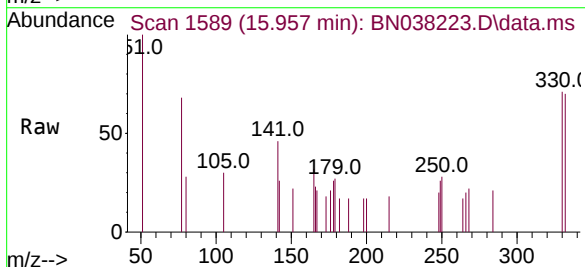
Instrument :
BNA_N
ClientSampleId :
PB170590BL

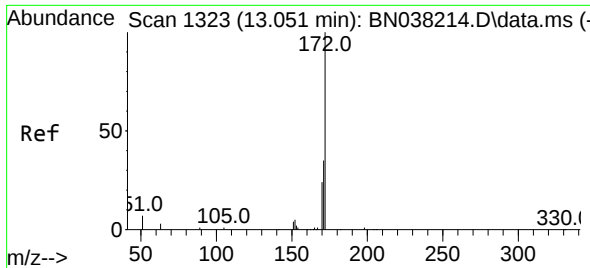
Tgt Ion	164	Resp	11468
Ion Ratio	Lower	Upper	
164	100		
162	107.0	83.8	125.8
160	55.6	41.6	62.4



#14
2,4,6-Tribromophenol
Concen: 0.160 ng
RT: 15.957 min Scan# 1589
Delta R.T. 0.025 min
Lab File: BN038223.D
Acq: 01 Dec 2025 10:59

Tgt Ion	330	Resp	579
Ion Ratio	Lower	Upper	
330	100		
332	96.5	77.8	116.6
141	46.6	33.0	49.4

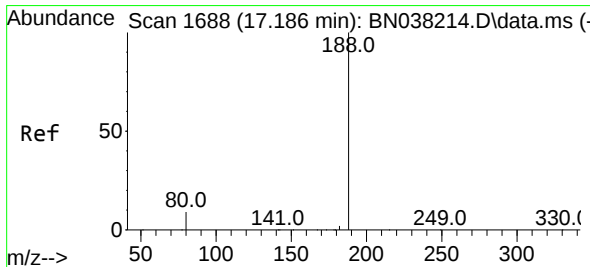
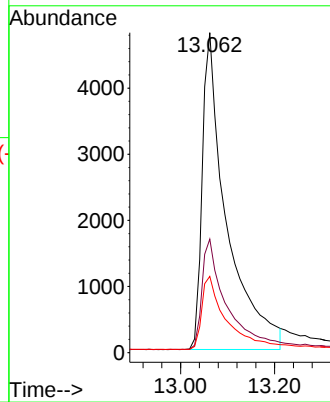
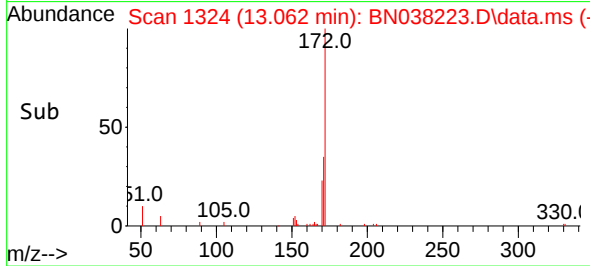
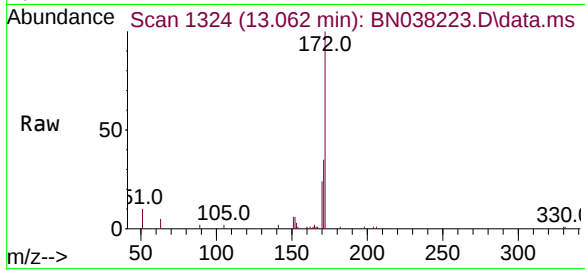




#15
2-Fluorobiphenyl
Concen: 0.369 ng
RT: 13.062 min Scan# 1324
Delta R.T. 0.011 min
Lab File: BN038223.D
Acq: 01 Dec 2025 10:59

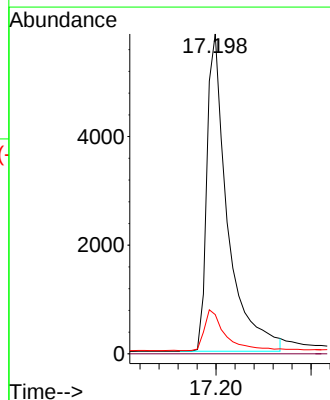
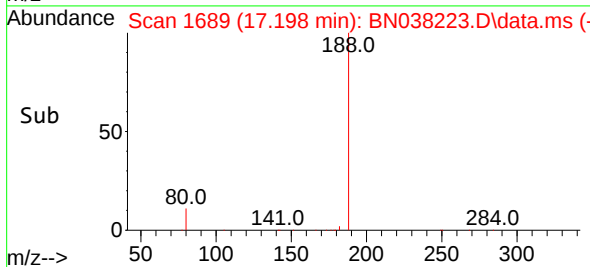
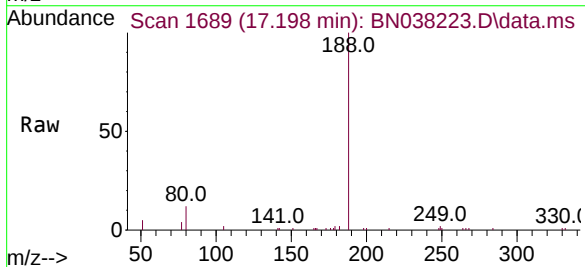
Instrument :
BNA_N
ClientSampleId :
PB170590BL

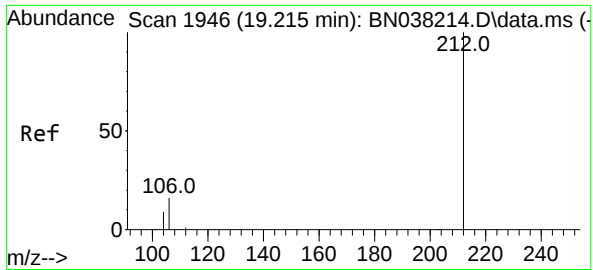
Tgt Ion:	172	Resp:	16339
Ion Ratio	Lower	Upper	
172	100		
171	35.5	28.1	42.1
170	23.8	19.1	28.7



#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.198 min Scan# 1689
Delta R.T. 0.012 min
Lab File: BN038223.D
Acq: 01 Dec 2025 10:59

Tgt Ion:	188	Resp:	17647
Ion Ratio	Lower	Upper	
188	100		
94	0.0	0.0	0.0
80	12.3	7.7	11.5

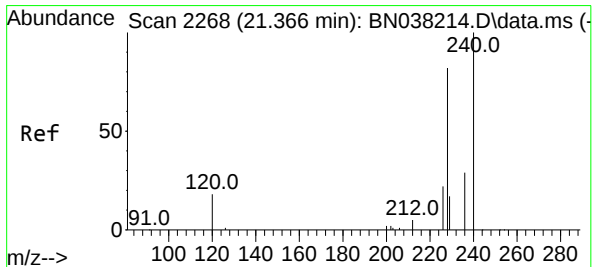
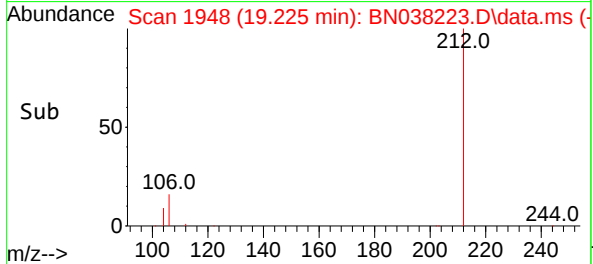
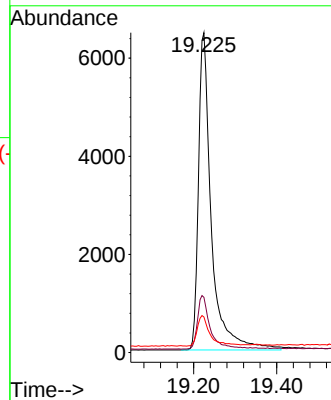
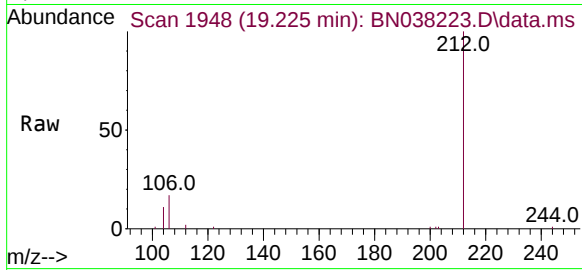




#27
Fluoranthene-d10
Concen: 0.363 ng
RT: 19.225 min Scan# 1948
Delta R.T. 0.009 min
Lab File: BN038223.D
Acq: 01 Dec 2025 10:59

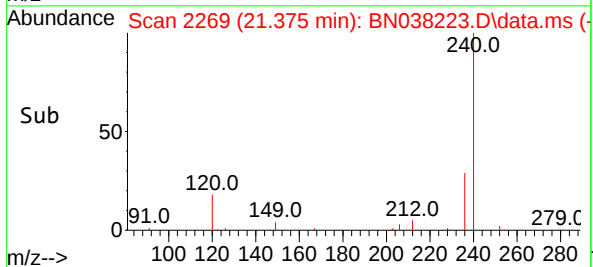
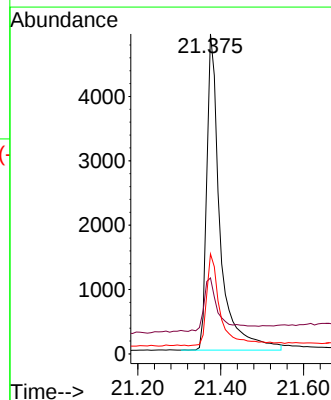
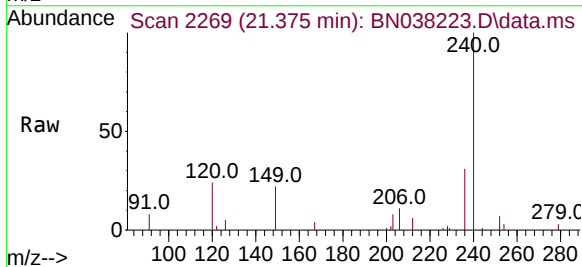
Instrument :
BNA_N
ClientSampleId :
PB170590BL

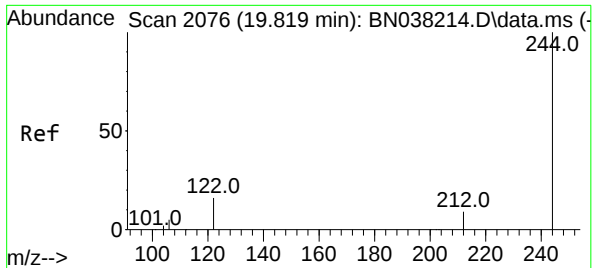
Tgt Ion	Ratio	Lower	Upper
212	100		
106	16.4	12.7	19.1
104	9.9	7.3	10.9



#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.375 min Scan# 2269
Delta R.T. 0.009 min
Lab File: BN038223.D
Acq: 01 Dec 2025 10:59

Tgt Ion	Ratio	Lower	Upper
240	100		
120	23.8	18.1	27.1
236	31.2	24.2	36.4

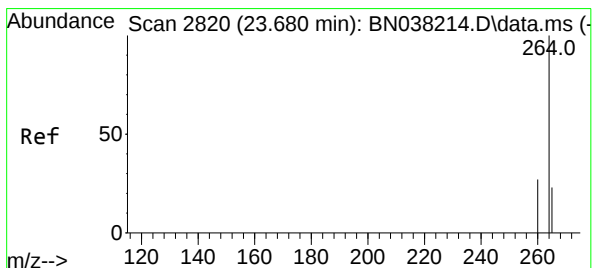
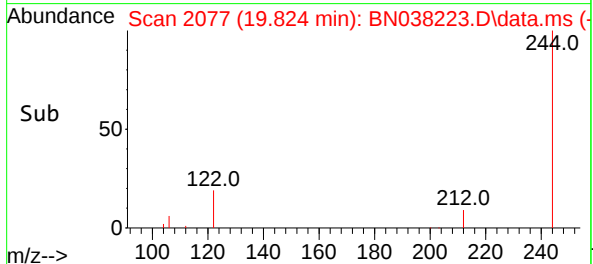
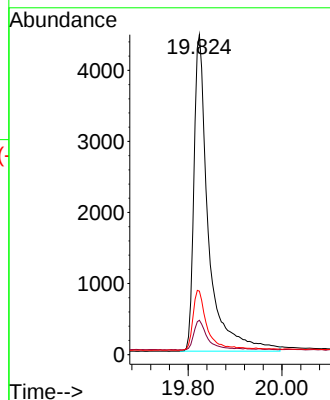
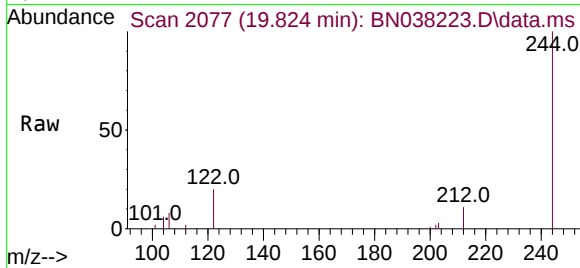




#31
Terphenyl-d14
Concen: 0.378 ng
RT: 19.824 min Scan# 2077
Delta R.T. 0.005 min
Lab File: BN038223.D
Acq: 01 Dec 2025 10:59

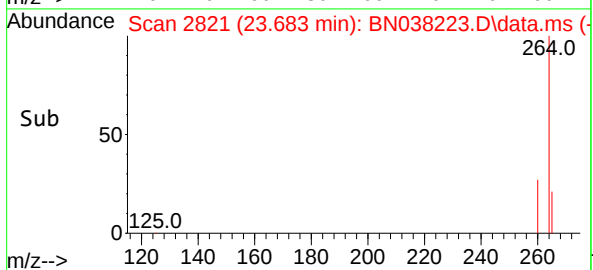
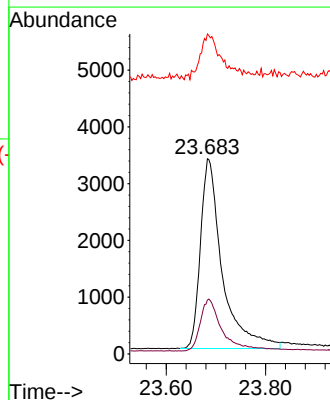
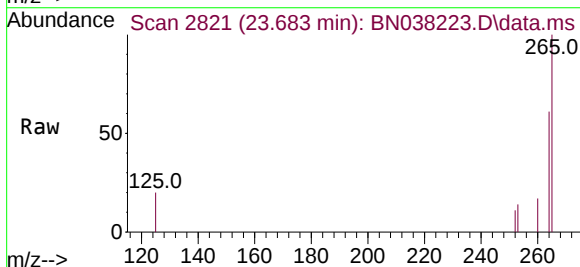
Instrument :
BNA_N
ClientSampleId :
PB170590BL

Tgt Ion:244 Resp: 9558
Ion Ratio Lower Upper
244 100
212 10.7 7.7 11.5
122 19.8 13.6 20.4



#35
Perylene-d12
Concen: 0.400 ng
RT: 23.683 min Scan# 2821
Delta R.T. 0.003 min
Lab File: BN038223.D
Acq: 01 Dec 2025 10:59

Tgt Ion:264 Resp: 10217
Ion Ratio Lower Upper
264 100
260 27.6 21.7 32.5
265 164.0 98.0 147.0#





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

Report of Analysis

Client:	ENTACT		Date Collected:	
Project:	Whittaker Coatings Site – E9125B		Date Received:	
Client Sample ID:	PB170590BS		SDG No.:	Q3618
Lab Sample ID:	PB170590BS		Matrix:	SOIL
Analytical Method:	SW8270ESIM	Level: LOW	% Solid:	100
Sample Wt/Vol:	30.03 g	Final Vol: 1000 uL	Test:	SVOC-SIMGroup1
Prep Method :	sw3541	Prep Date: 11/18/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
TARGETS									
123-91-1	1,4-Dioxane	10.9		1	1.60	6.60	ug/Kg	12/01/25 22:05	PB170590
SURROGATES									
7297-45-2	2-Methylnaphthalene-d10	0.38			17 - 161	94%	SPK: 0.4		
93951-69-0	Fluoranthene-d10	0.44			23 - 138	109%	SPK: 0.4		
4165-60-0	Nitrobenzene-d5	0.43			33 - 121	106%	SPK: 0.4		
321-60-8	2-Fluorobiphenyl	0.49	*		32 - 121	122%	SPK: 0.4		
1718-51-0	Terphenyl-d14	0.37			21 - 130	92%	SPK: 0.4		
INTERNAL STANDARDS		Area Count							
3855-82-1	1,4-Dichlorobenzene-d4	9120							
1146-65-2	Naphthalene-d8	25100							
15067-26-2	Acenaphthene-d10	10800							
1517-22-2	Phenanthrene-d10	16000							
1719-03-5	Chrysene-d12	14400							
1520-96-3	Perylene-d12	16200							

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\BN120125\
 Data File : BN038237.D
 Acq On : 01 Dec 2025 22:05
 Operator : RC/JU
 Sample : PB170590BS
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 PB170590BS

Quant Time: Dec 02 01:10:21 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN112725.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Nov 28 21:04:10 2025
 Response via : Initial Calibration

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

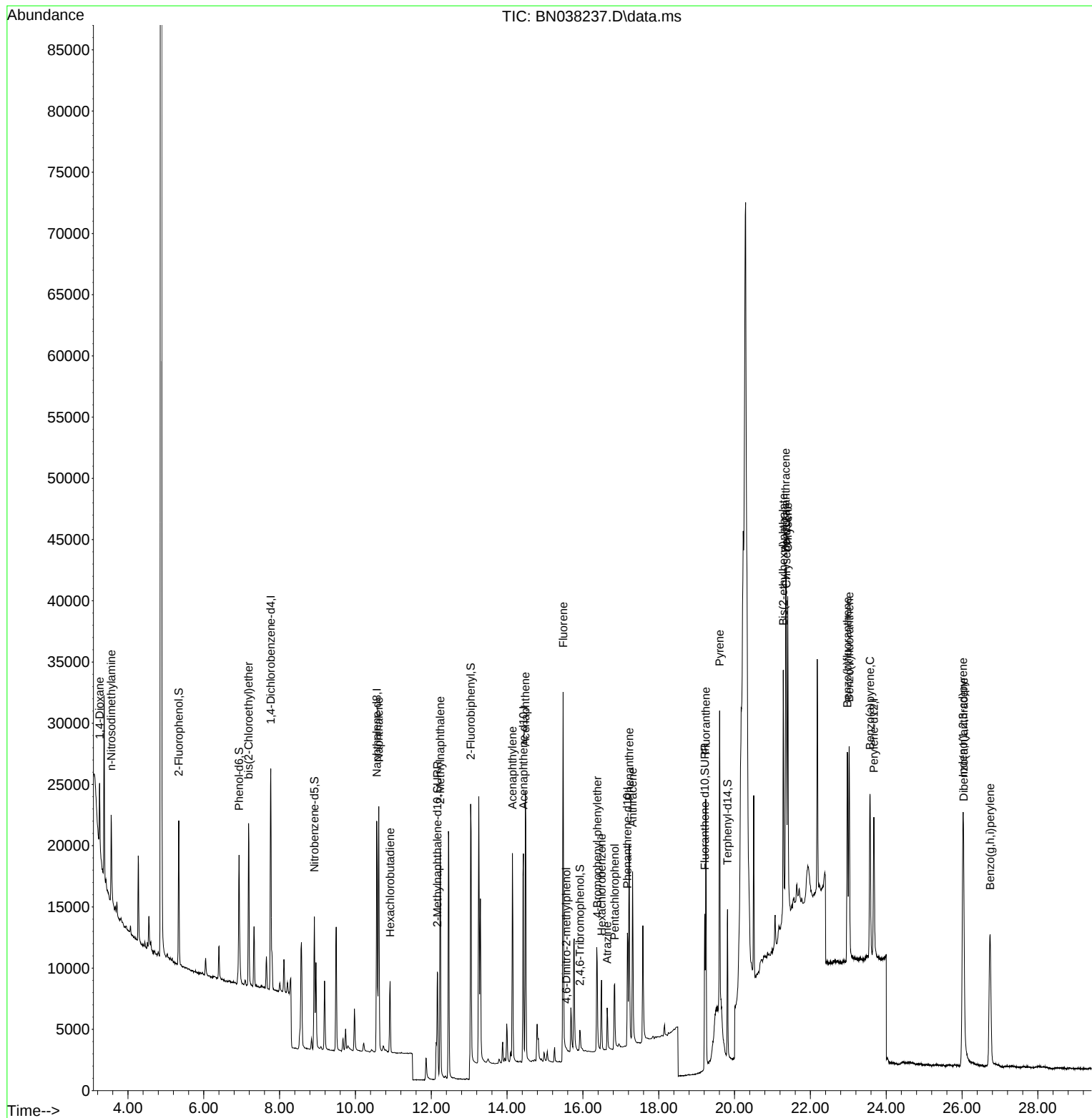
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.768	152	9117	0.400	ng	0.00
7) Naphthalene-d8	10.562	136	25112	0.400	ng	#-0.01
13) Acenaphthene-d10	14.430	164	10775	0.400	ng	0.00
19) Phenanthrene-d10	17.173	188	15967	0.400	ng	#-0.01
29) Chrysene-d12	21.366	240	14394	0.400	ng	0.00
35) Perylene-d12	23.674	264	16168	0.400	ng	# 0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.341	112	9197	0.432	ng	0.00
5) Phenol-d6	6.930	99	10150	0.381	ng	0.00
8) Nitrobenzene-d5	8.918	82	8548	0.426	ng	0.00
11) 2-Methylnaphthalene-d10	12.162	152	13361m	0.375	ng	0.00
14) 2,4,6-Tribromophenol	15.920	330	1322	0.390	ng	-0.01
15) 2-Fluorobiphenyl	13.041	172	20282	0.487	ng	-0.01
27) Fluoranthene-d10	19.215	212	15069	0.435	ng	0.00
31) Terphenyl-d14	19.815	244	12252	0.369	ng	0.00
Target Compounds					Qvalue	
2) 1,4-Dioxane	3.254	88	3127	0.326	ng	# 63
3) n-Nitrosodimethylamine	3.557	42	4554	0.384	ng	# 92
6) bis(2-Chloroethyl)ether	7.183	93	9789	0.384	ng	96
9) Naphthalene	10.616	128	25718	0.369	ng	100
10) Hexachlorobutadiene	10.915	225	4701	0.396	ng	# 98
12) 2-Methylnaphthalene	12.238	142	14101	0.307	ng	98
16) Acenaphthylene	14.142	152	19530	0.405	ng	99
17) Acenaphthene	14.484	154	11991	0.357	ng	98
18) Fluorene	15.478	166	14689	0.338	ng	99
20) 4,6-Dinitro-2-methylph...	15.560	198	154	0.263	ng	# 32
21) 4-Bromophenyl-phenylether	16.379	248	4196	0.379	ng	97
22) Hexachlorobenzene	16.491	284	4745	0.349	ng	99
23) Atrazine	16.640	200	3106	0.440	ng	# 92
24) Pentachlorophenol	16.838	266	3407	0.914	ng	99
25) Phenanthrene	17.223	178	18519	0.369	ng	100
26) Anthracene	17.310	178	16913	0.395	ng	99
28) Fluoranthene	19.243	202	20125	0.417	ng	98
30) Pyrene	19.606	202	25986	0.361	ng	# 78
32) Benzo(a)anthracene	21.349	228	20794	0.427	ng	96
33) Chrysene	21.402	228	21620	0.376	ng	95
34) Bis(2-ethylhexyl)phtha...	21.286	149	15644	0.586	ng	98
36) Indeno(1,2,3-cd)pyrene	26.022	276	29356	0.392	ng	97
37) Benzo(b)fluoranthene	22.975	252	22824	0.344	ng	96
38) Benzo(k)fluoranthene	23.022	252	24101	0.349	ng	96
39) Benzo(a)pyrene	23.572	252	21857	0.393	ng	99
40) Dibenzo(a,h)anthracene	26.042	278	22900	0.404	ng	96
41) Benzo(g,h,i)perylene	26.741	276	24599	0.363	ng	97

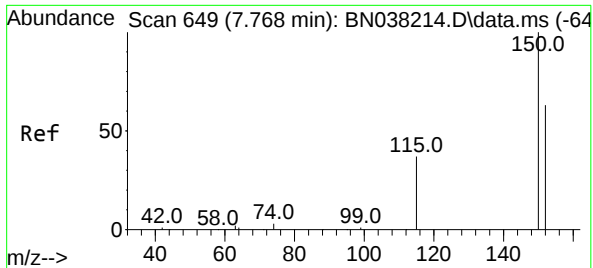
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN120125\
Data File : BN038237.D
Acq On : 01 Dec 2025 22:05
Operator : RC/JU
Sample : PB170590BS
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
PB170590BS

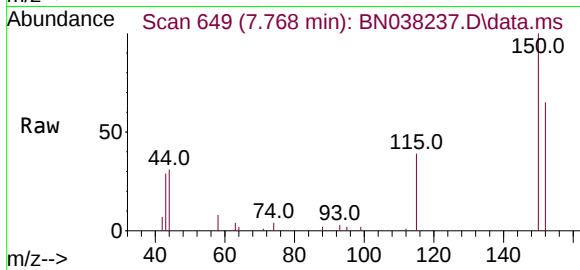
Quant Time: Dec 02 01:10:21 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN112725.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Nov 28 21:04:10 2025
Response via : Initial Calibration



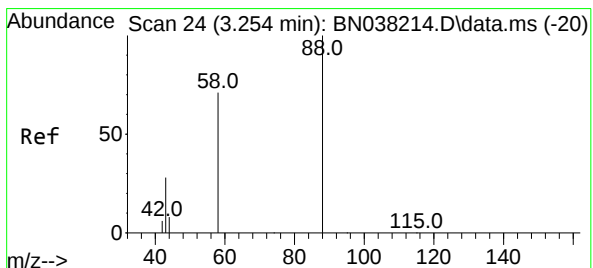
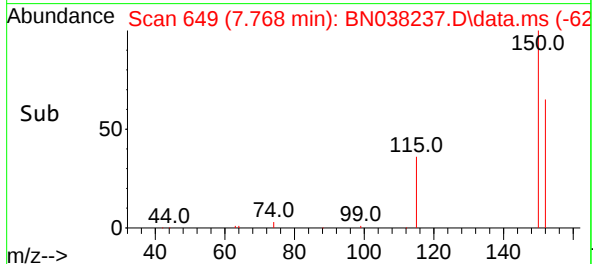
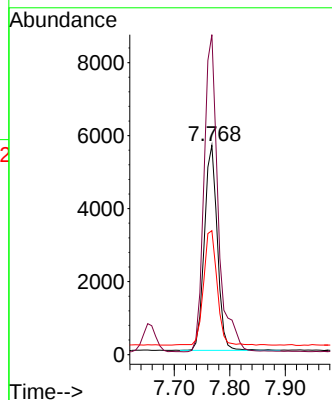


#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.768 min Scan# 64
Delta R.T. -0.000 min
Lab File: BN038237.D
Acq: 01 Dec 2025 22:05

Instrument :
BNA_N
ClientSampleId :
PB170590BS

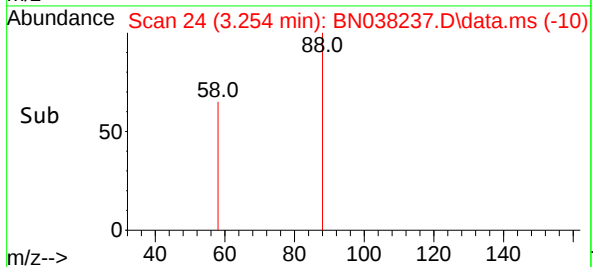
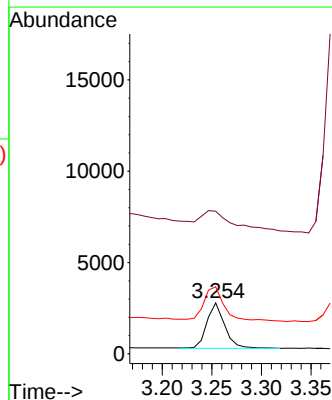
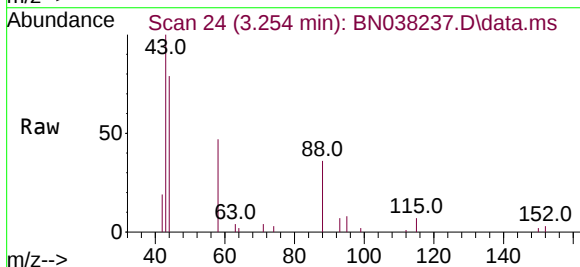


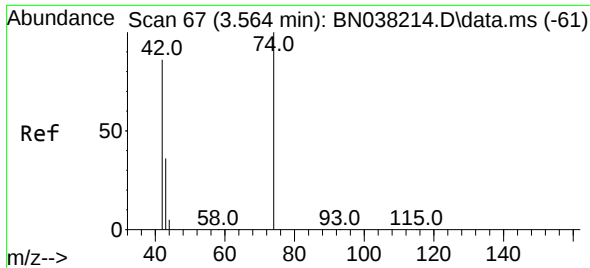
Tgt Ion:152 Resp: 9117
Ion Ratio Lower Upper
152 100
150 153.0 125.3 187.9
115 59.2 49.0 73.4



#2
1,4-Dioxane
Concen: 0.326 ng
RT: 3.254 min Scan# 24
Delta R.T. 0.000 min
Lab File: BN038237.D
Acq: 01 Dec 2025 22:05

Tgt Ion: 88 Resp: 3127
Ion Ratio Lower Upper
88 100
43 77.0 24.8 37.2#
58 92.1 61.1 91.7#

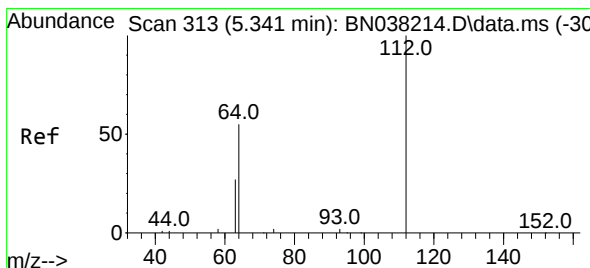
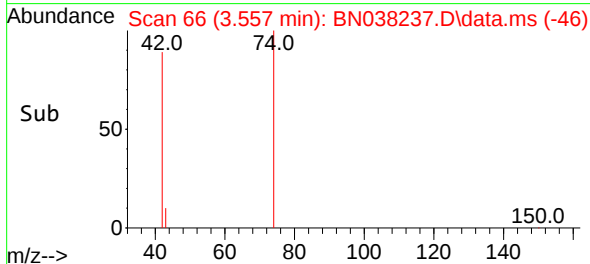
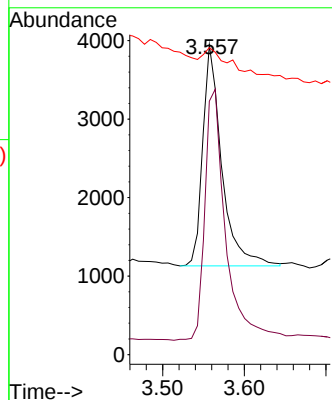
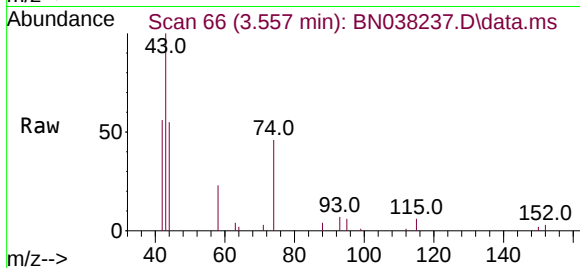




#3
 n-Nitrosodimethylamine
 Concen: 0.384 ng
 RT: 3.557 min Scan# 60
 Delta R.T. -0.007 min
 Lab File: BN038237.D
 Acq: 01 Dec 2025 22:05

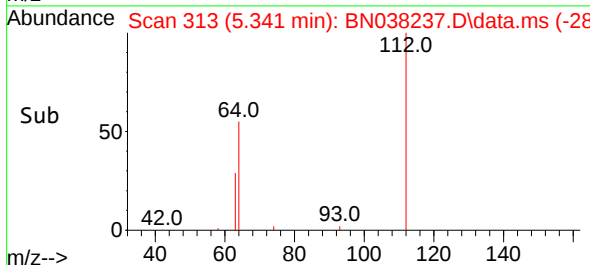
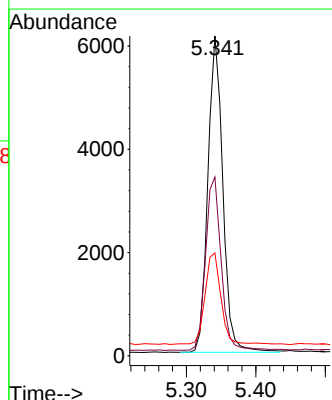
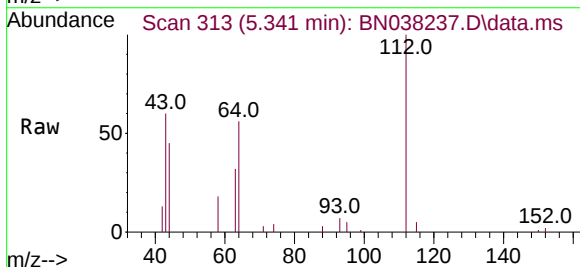
Instrument :
 BNA_N
 ClientSampleId :
 PB170590BS

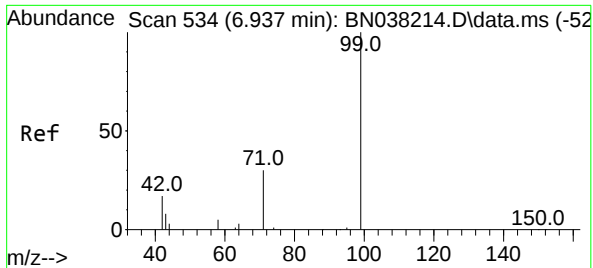
Tgt Ion: 42 Resp: 4554
 Ion Ratio Lower Upper
 42 100
 74 124.4 96.2 144.2
 44 30.0 8.0 12.0#



#4
 2-Fluorophenol
 Concen: 0.432 ng
 RT: 5.341 min Scan# 313
 Delta R.T. 0.000 min
 Lab File: BN038237.D
 Acq: 01 Dec 2025 22:05

Tgt Ion: 112 Resp: 9197
 Ion Ratio Lower Upper
 112 100
 64 57.0 45.0 67.4
 63 31.2 23.2 34.8

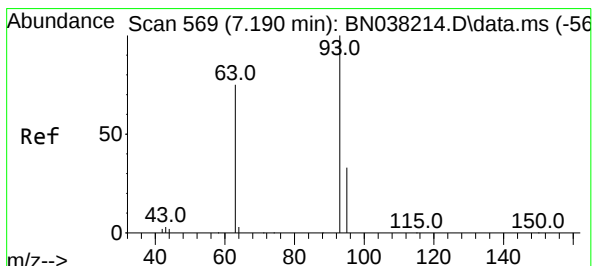
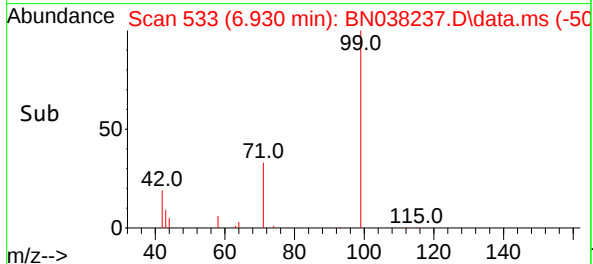
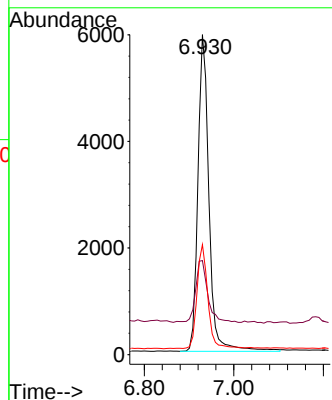
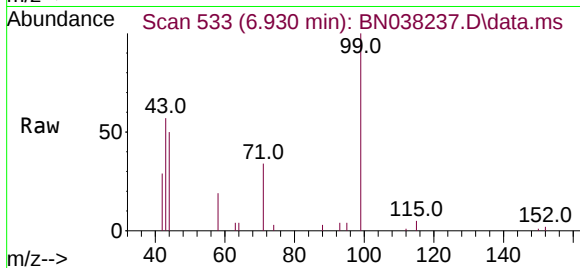




#5
Phenol-d6
Concen: 0.381 ng
RT: 6.930 min Scan# 531
Delta R.T. -0.007 min
Lab File: BN038237.D
Acq: 01 Dec 2025 22:05

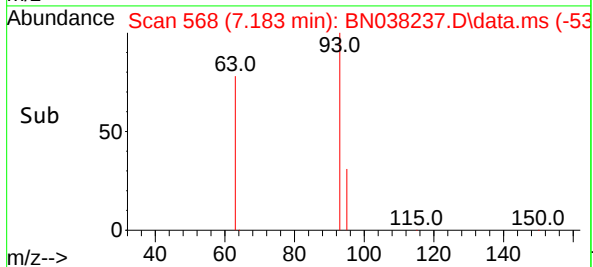
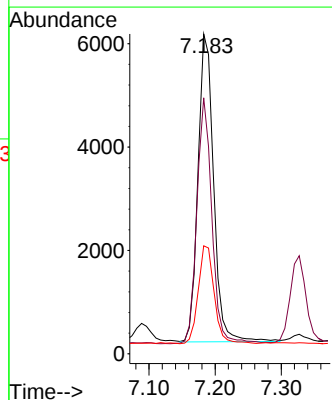
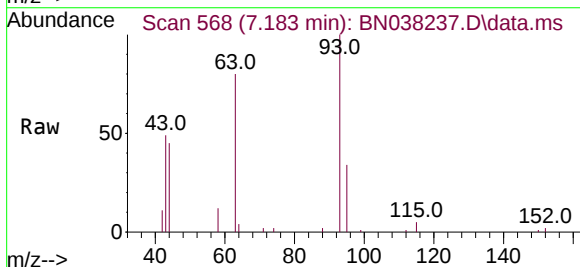
Instrument :
BNA_N
ClientSampleId :
PB170590BS

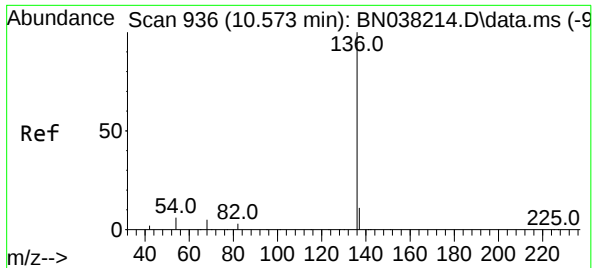
Tgt Ion: 99 Resp: 10150
Ion Ratio Lower Upper
99 100
42 22.1 17.0 25.6
71 32.8 25.4 38.2



#6
bis(2-Chloroethyl)ether
Concen: 0.384 ng
RT: 7.183 min Scan# 568
Delta R.T. -0.007 min
Lab File: BN038237.D
Acq: 01 Dec 2025 22:05

Tgt Ion: 93 Resp: 9789
Ion Ratio Lower Upper
93 100
63 76.8 58.1 87.1
95 32.5 25.1 37.7

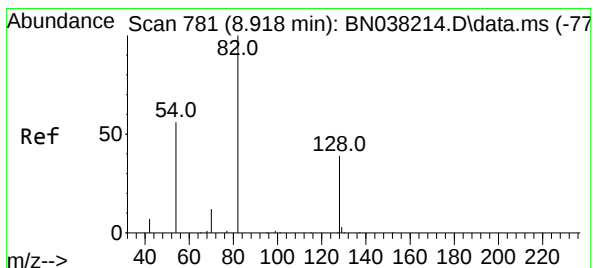
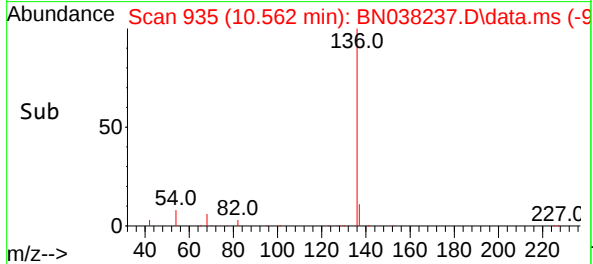
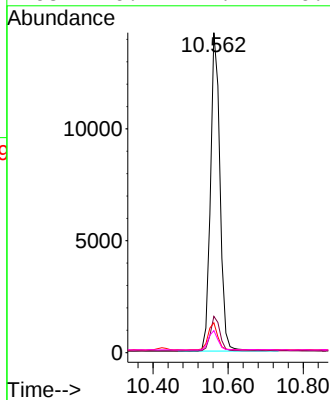
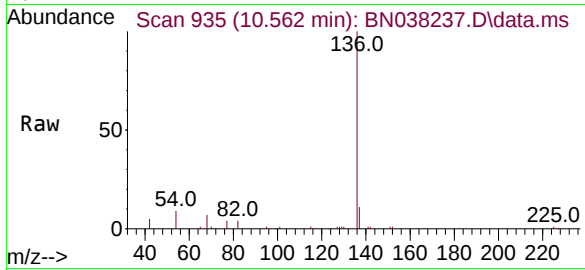




#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.562 min Scan# 936
Delta R.T. -0.011 min
Lab File: BN038237.D
Acq: 01 Dec 2025 22:05

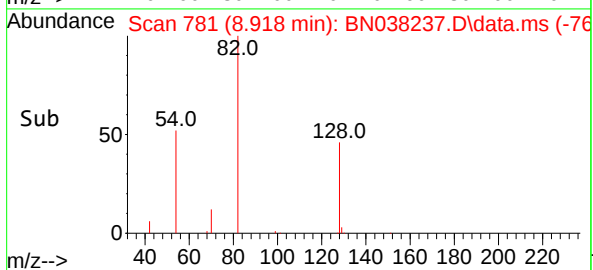
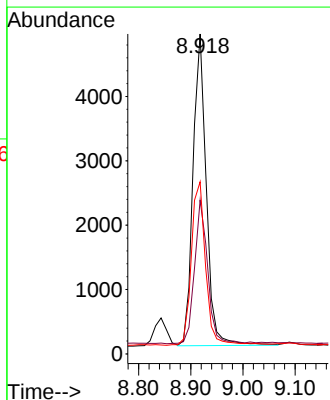
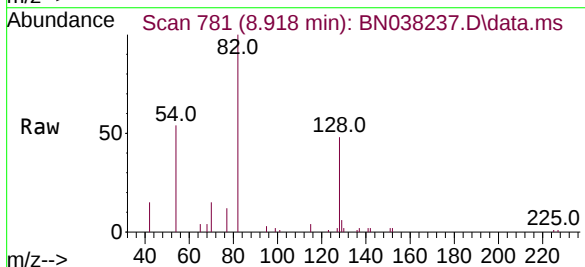
Instrument :
BNA_N
ClientSampleId :
PB170590BS

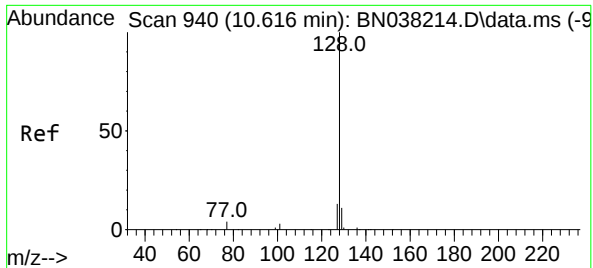
Tgt Ion:	136	Resp:	25112
Ion	Ratio	Lower	Upper
136	100		
137	11.3	8.9	13.3
54	9.3	5.4	8.0#
68	6.9	4.1	6.1#



#8
Nitrobenzene-d5
Concen: 0.426 ng
RT: 8.918 min Scan# 781
Delta R.T. 0.000 min
Lab File: BN038237.D
Acq: 01 Dec 2025 22:05

Tgt Ion:	82	Resp:	8548
Ion	Ratio	Lower	Upper
82	100		
128	48.1	32.6	48.8
54	53.8	45.4	68.0

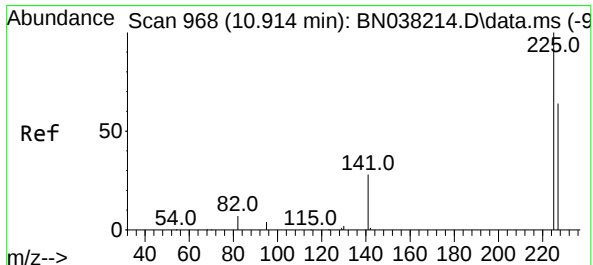
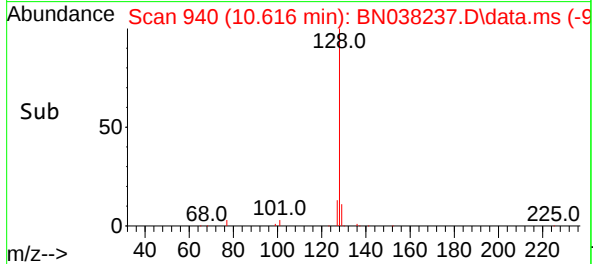
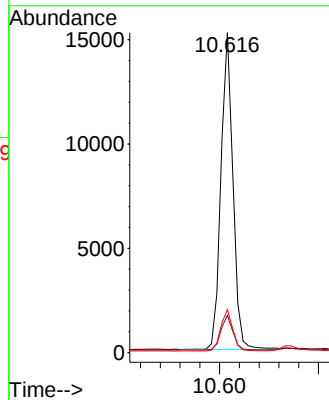
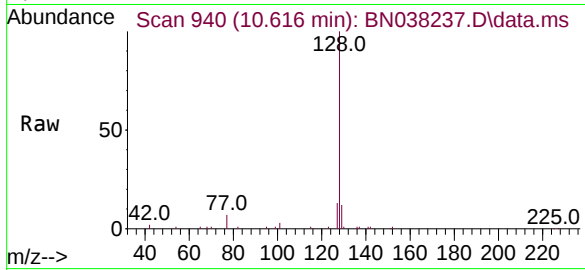




#9
Naphthalene
Concen: 0.369 ng
RT: 10.616 min Scan# 940
Delta R.T. 0.000 min
Lab File: BN038237.D
Acq: 01 Dec 2025 22:05

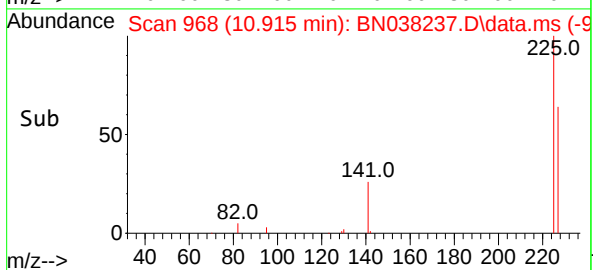
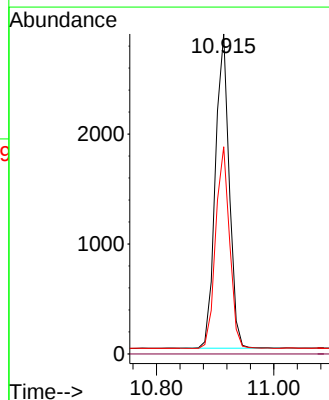
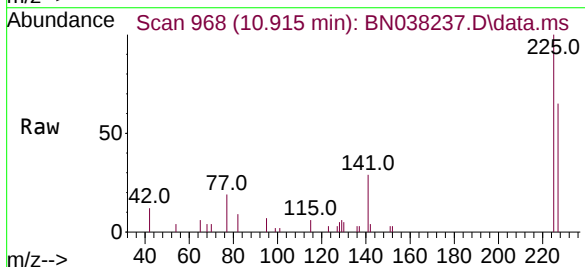
Instrument :
BNA_N
ClientSampleId :
PB170590BS

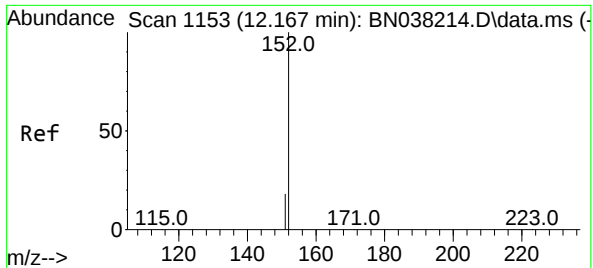
Tgt Ion:	128	Resp:	25718
Ion	Ratio	Lower	Upper
128	100		
129	11.6	9.1	13.7
127	13.4	10.6	16.0



#10
Hexachlorobutadiene
Concen: 0.396 ng
RT: 10.915 min Scan# 968
Delta R.T. 0.000 min
Lab File: BN038237.D
Acq: 01 Dec 2025 22:05

Tgt Ion:	225	Resp:	4701
Ion	Ratio	Lower	Upper
225	100		
223	0.0	0.0	0.0
227	64.3	50.5	75.7

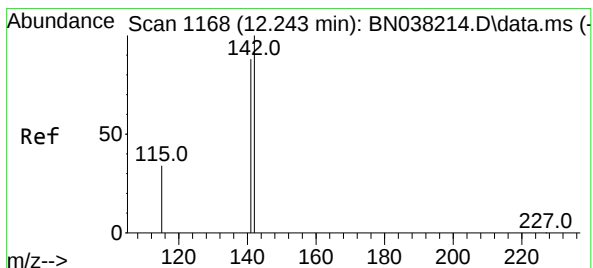
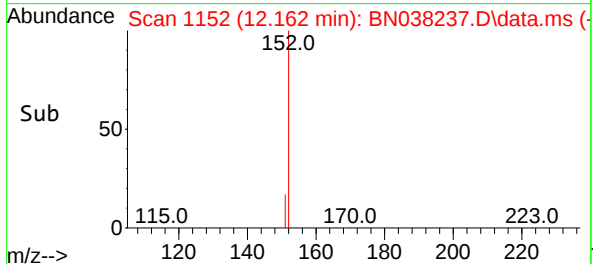
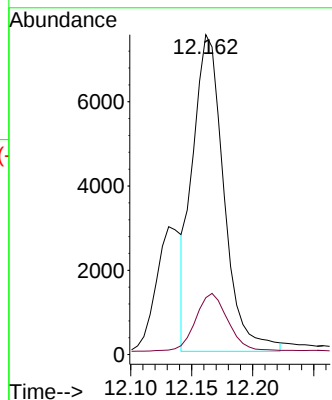
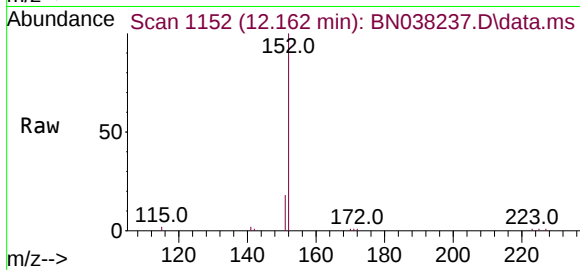




#11
2-Methylnaphthalene-d10
Concen: 0.375 ng m
RT: 12.162 min Scan# 1152
Delta R.T. -0.005 min
Lab File: BN038237.D
Acq: 01 Dec 2025 22:05

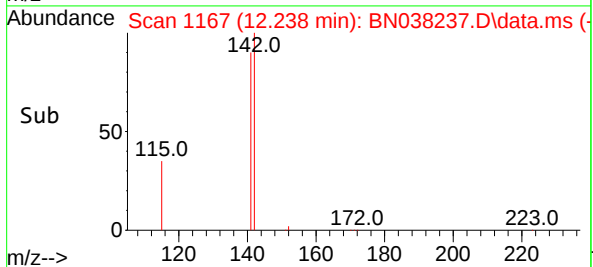
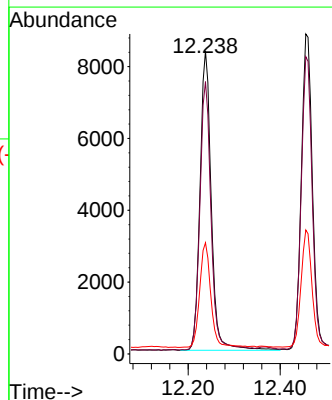
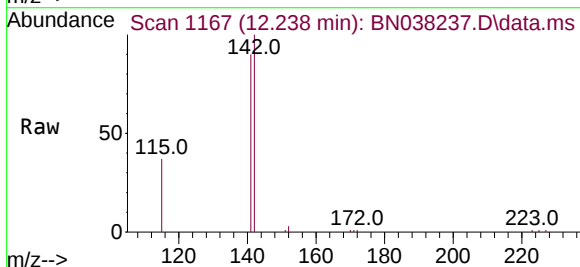
Instrument :
BNA_N
ClientSampleId :
PB170590BS

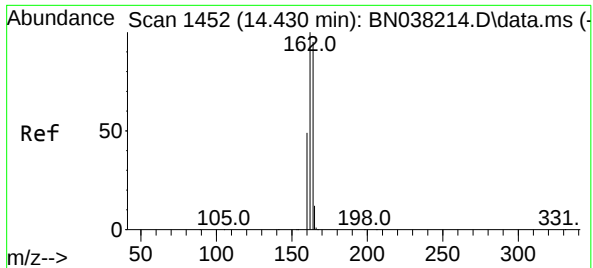
Tgt Ion:152 Resp: 13361
Ion Ratio Lower Upper
152 100
151 19.3 16.7 25.1



#12
2-Methylnaphthalene
Concen: 0.307 ng
RT: 12.238 min Scan# 1167
Delta R.T. -0.005 min
Lab File: BN038237.D
Acq: 01 Dec 2025 22:05

Tgt Ion:142 Resp: 14101
Ion Ratio Lower Upper
142 100
141 89.9 70.9 106.3
115 36.7 27.7 41.5

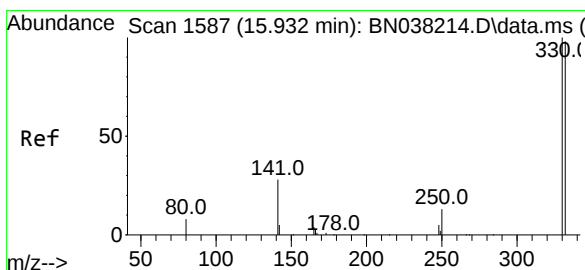
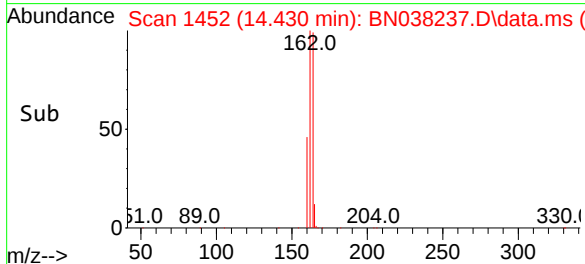
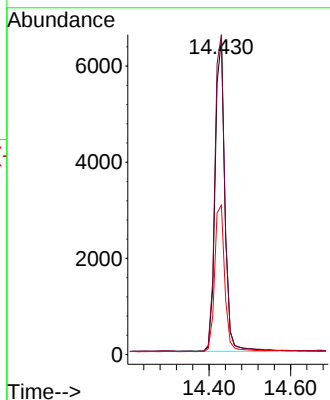
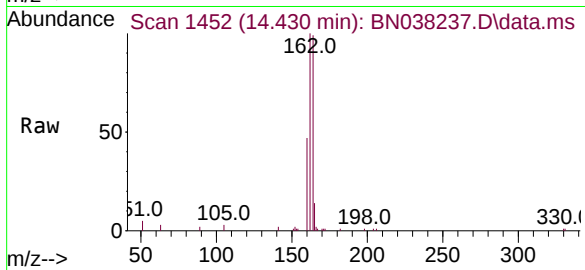




#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.430 min Scan# 1452
Delta R.T. 0.000 min
Lab File: BN038237.D
Acq: 01 Dec 2025 22:05

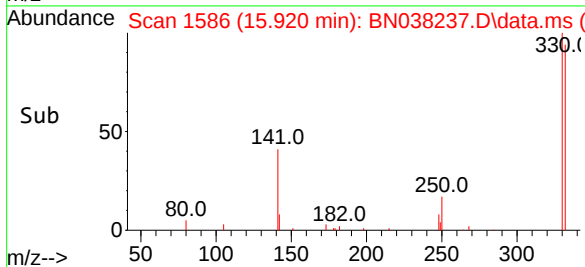
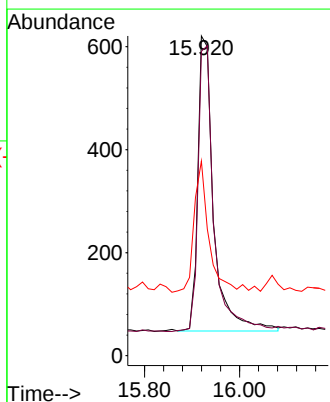
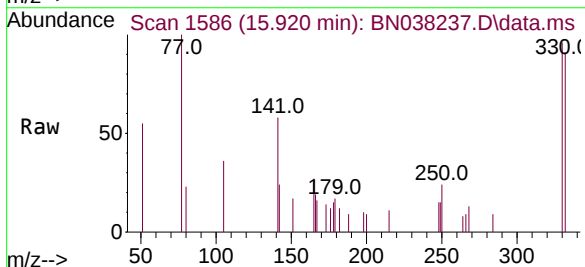
Instrument :
BNA_N
ClientSampleId :
PB170590BS

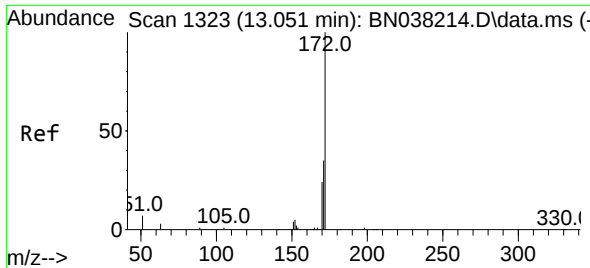
Tgt Ion	164	162	160
Resp:	10775		
Ion Ratio	100	101.4	47.3
Lower		83.8	41.6
Upper		125.8	62.4



#14
2,4,6-Tribromophenol
Concen: 0.390 ng
RT: 15.920 min Scan# 1586
Delta R.T. -0.012 min
Lab File: BN038237.D
Acq: 01 Dec 2025 22:05

Tgt Ion	330	332	141
Resp:	1322		
Ion Ratio	100	97.1	40.7
Lower		77.8	33.0
Upper		116.6	49.4

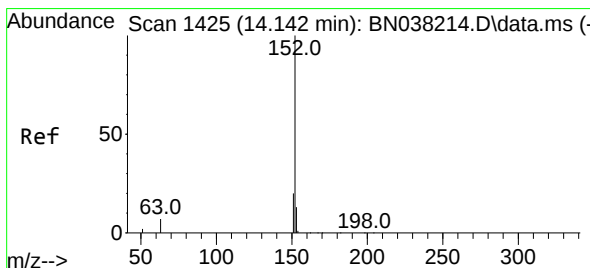
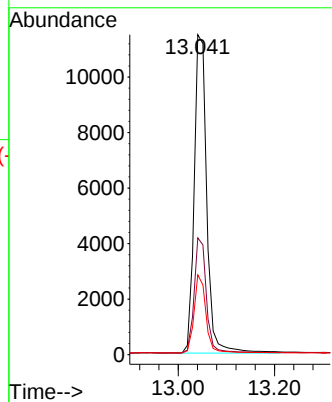
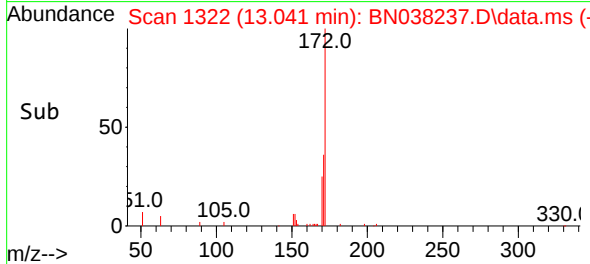
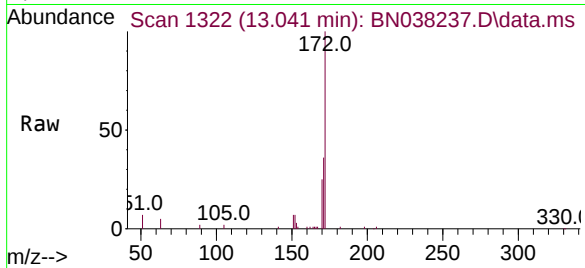




#15
2-Fluorobiphenyl
Concen: 0.487 ng
RT: 13.041 min Scan# 1322
Delta R.T. -0.011 min
Lab File: BN038237.D
Acq: 01 Dec 2025 22:05

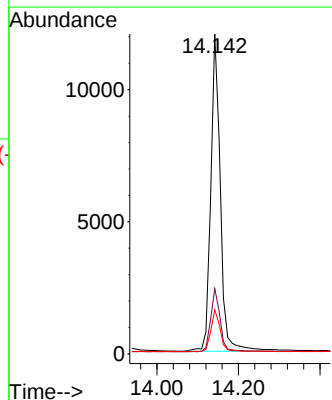
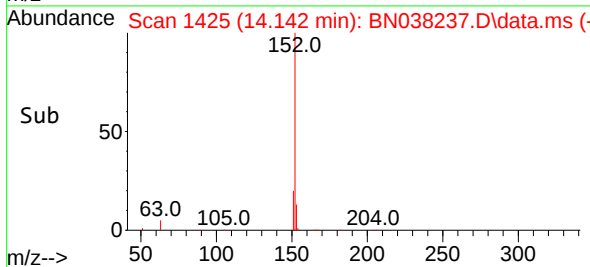
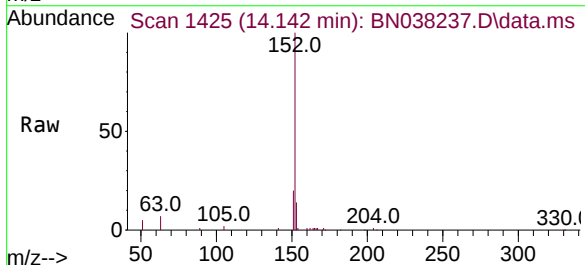
Instrument :
BNA_N
ClientSampleId :
PB170590BS

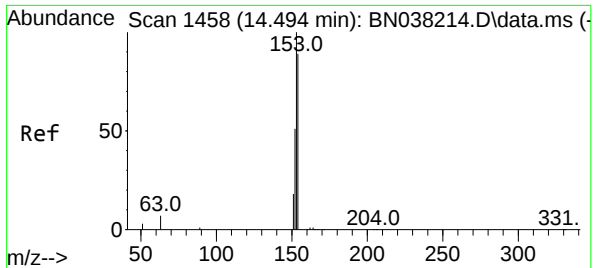
Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.5	28.1	42.1
170	24.9	19.1	28.7



#16
Acenaphthylene
Concen: 0.405 ng
RT: 14.142 min Scan# 1425
Delta R.T. 0.000 min
Lab File: BN038237.D
Acq: 01 Dec 2025 22:05

Tgt Ion	Ratio	Lower	Upper
152	100		
151	19.8	15.6	23.4
153	12.8	10.6	15.8

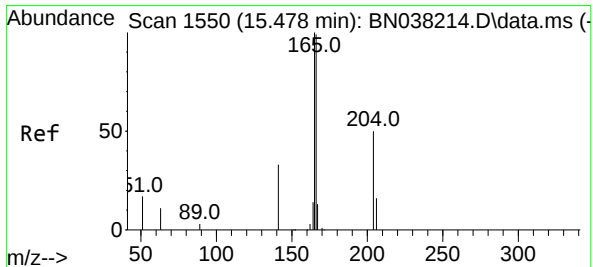
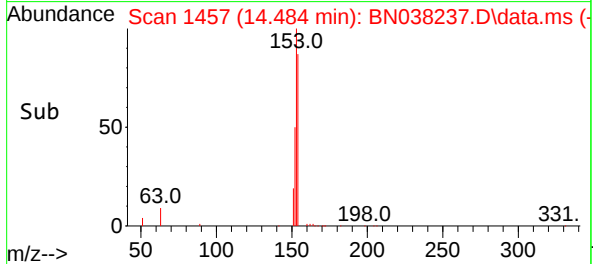
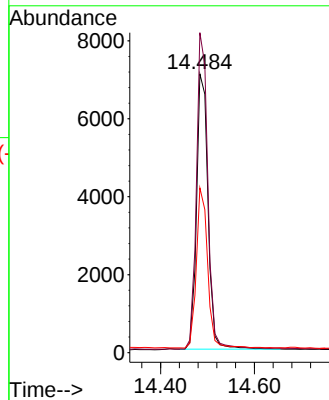
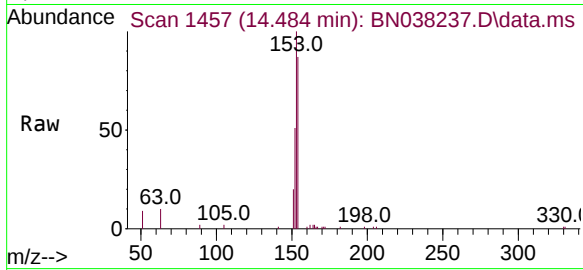




#17
Acenaphthene
Concen: 0.357 ng
RT: 14.484 min Scan# 1458
Delta R.T. -0.011 min
Lab File: BN038237.D
Acq: 01 Dec 2025 22:05

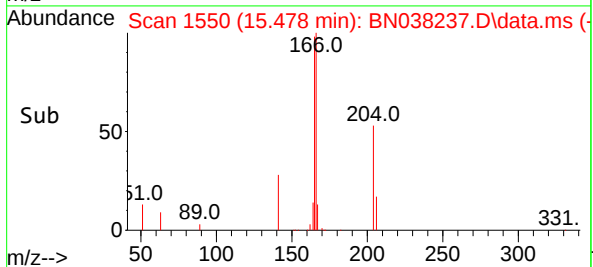
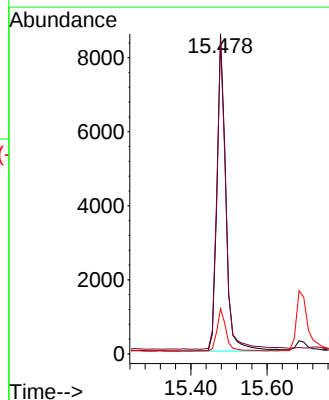
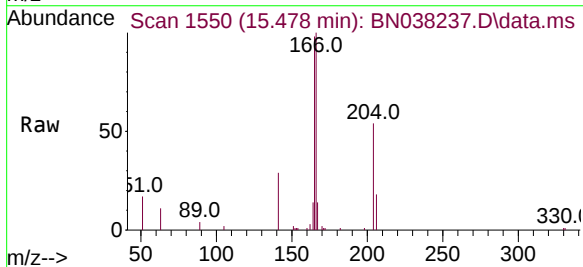
Instrument :
BNA_N
ClientSampleId :
PB170590BS

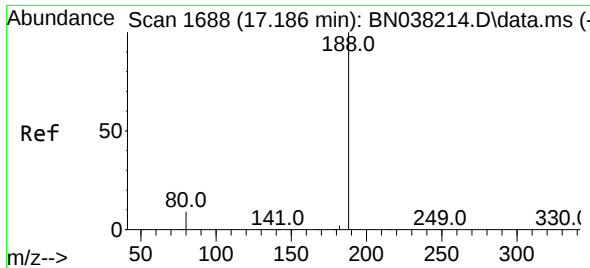
Tgt Ion:154 Resp: 11991
Ion Ratio Lower Upper
154 100
153 115.2 91.1 136.7
152 57.3 48.2 72.2



#18
Fluorene
Concen: 0.338 ng
RT: 15.478 min Scan# 1550
Delta R.T. 0.000 min
Lab File: BN038237.D
Acq: 01 Dec 2025 22:05

Tgt Ion:166 Resp: 14689
Ion Ratio Lower Upper
166 100
165 99.0 78.7 118.1
167 13.5 10.9 16.3





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 17.173 min Scan# 1

Delta R.T. -0.012 min

Lab File: BN038237.D

Acq: 01 Dec 2025 22:05

Instrument :

BNA_N

ClientSampleId :

PB170590BS

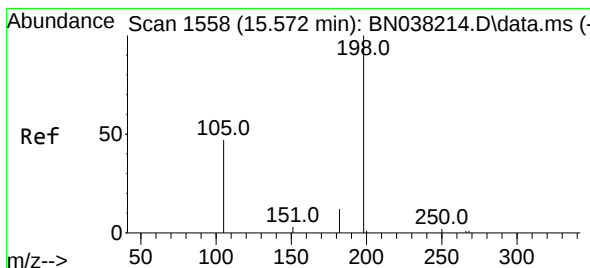
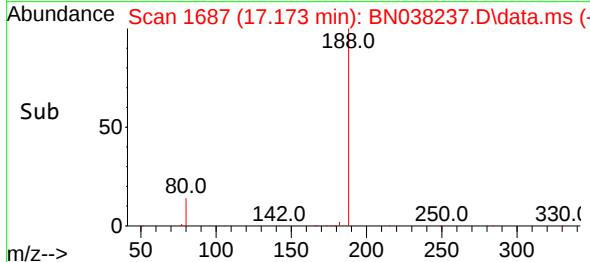
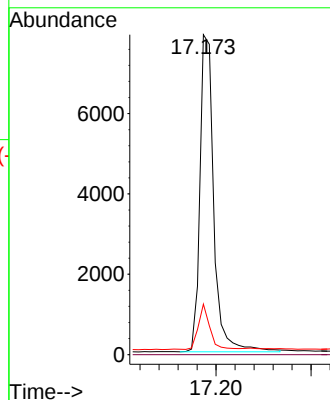
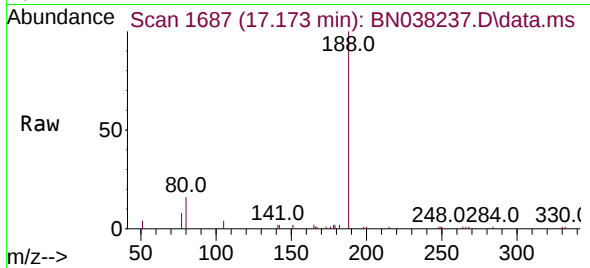
Tgt Ion:188 Resp: 15967

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

80 15.8 7.7 11.5#



#20

4,6-Dinitro-2-methylphenol

Concen: 0.263 ng

RT: 15.560 min Scan# 1557

Delta R.T. -0.012 min

Lab File: BN038237.D

Acq: 01 Dec 2025 22:05

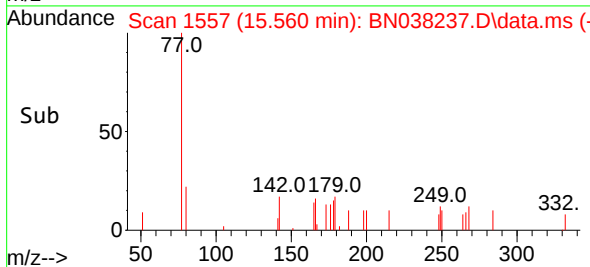
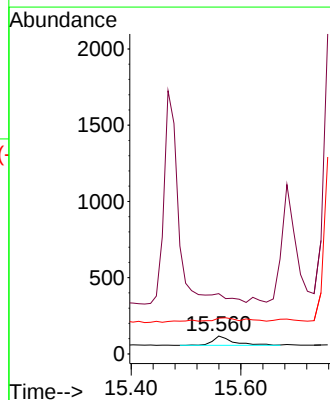
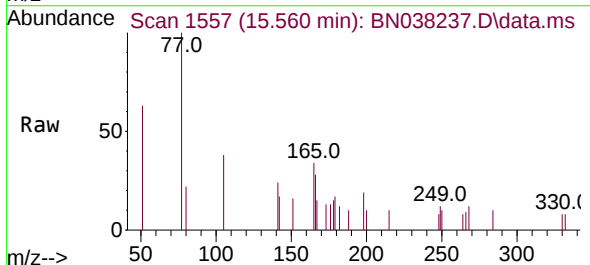
Tgt Ion:198 Resp: 154

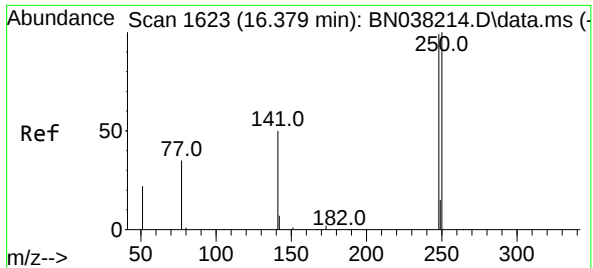
Ion Ratio Lower Upper

198 100

51 337.6 205.1 307.7#

105 200.9 61.6 92.4#

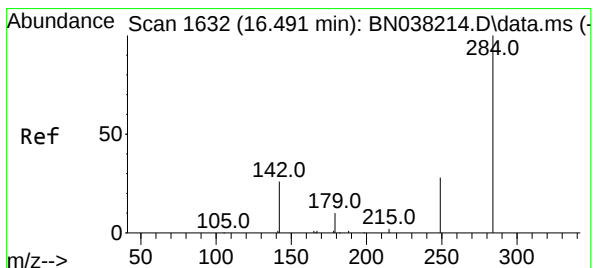
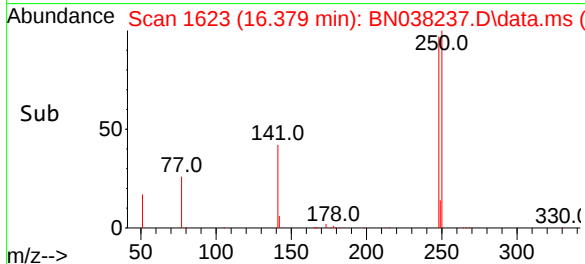
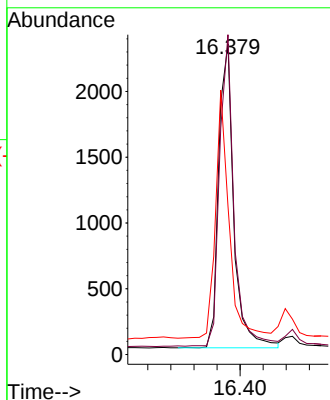
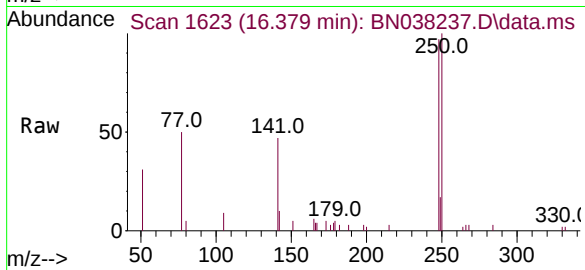




#21
4-Bromophenyl-phenylether
Concen: 0.379 ng
RT: 16.379 min Scan# 1623
Delta R.T. 0.000 min
Lab File: BN038237.D
Acq: 01 Dec 2025 22:05

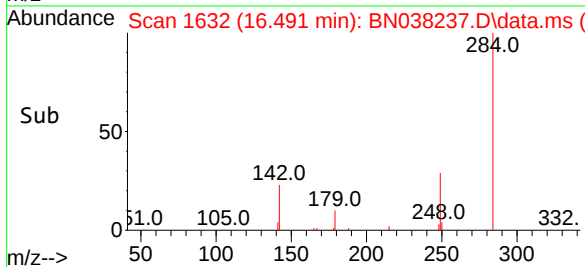
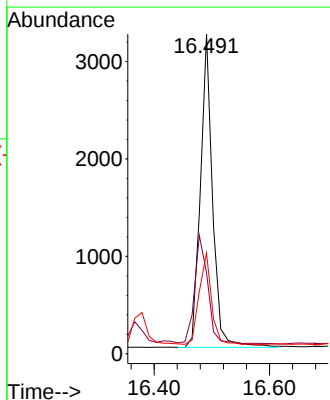
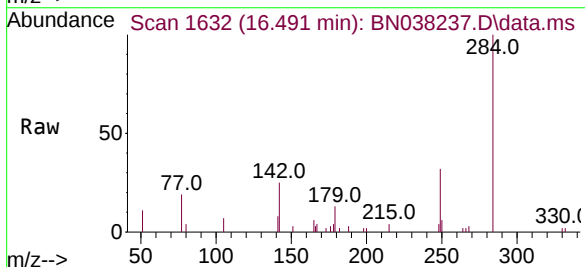
Instrument :
BNA_N
ClientSampleId :
PB170590BS

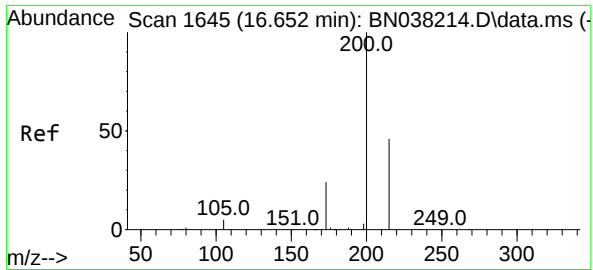
Tgt Ion	Ratio	Lower	Upper
248	100		
250	103.0	80.8	121.2
141	47.9	41.0	61.6



#22
Hexachlorobenzene
Concen: 0.349 ng
RT: 16.491 min Scan# 1632
Delta R.T. 0.000 min
Lab File: BN038237.D
Acq: 01 Dec 2025 22:05

Tgt Ion	Ratio	Lower	Upper
284	100		
142	37.9	30.5	45.7
249	30.2	23.8	35.8

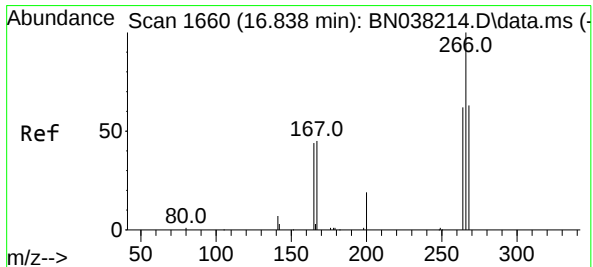
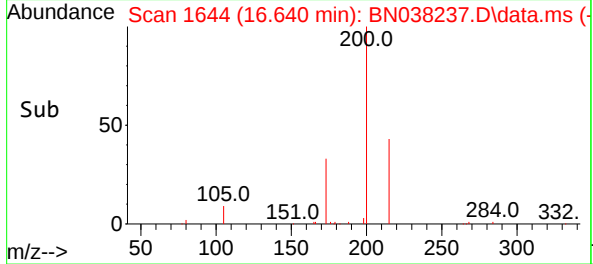
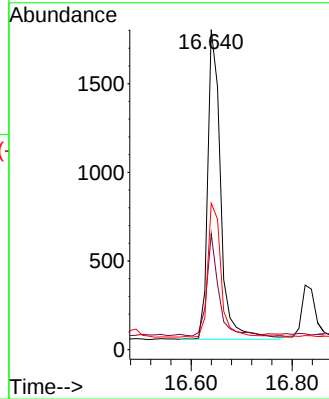
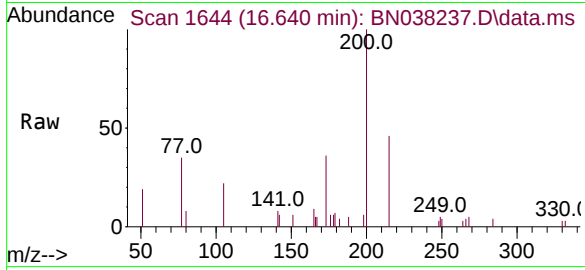




#23
Atrazine
Concen: 0.440 ng
RT: 16.640 min Scan# 1644
Delta R.T. -0.012 min
Lab File: BN038237.D
Acq: 01 Dec 2025 22:05

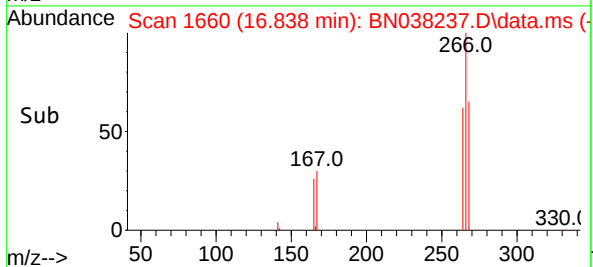
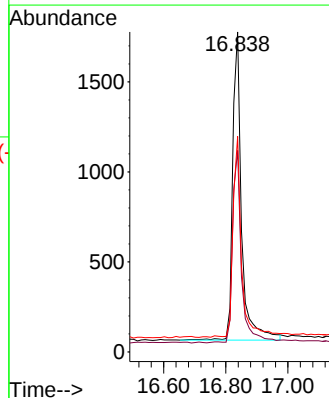
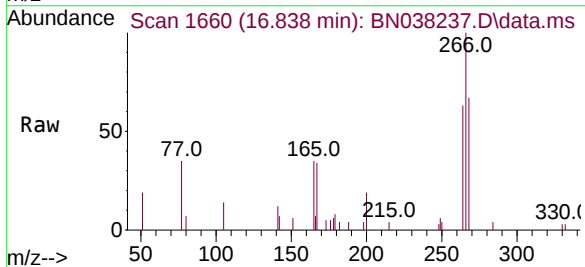
Instrument :
BNA_N
ClientSampleId :
PB170590BS

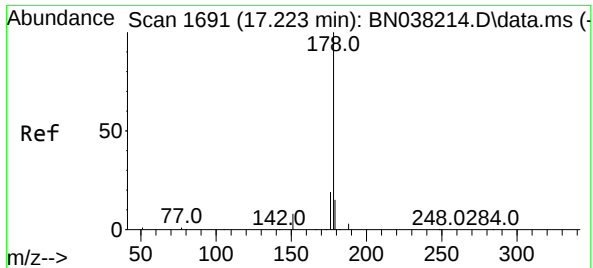
Tgt Ion	Ratio	Lower	Upper
200	100		
173	36.2	21.0	31.6#
215	45.7	37.8	56.8



#24
Pentachlorophenol
Concen: 0.914 ng
RT: 16.838 min Scan# 1660
Delta R.T. 0.000 min
Lab File: BN038237.D
Acq: 01 Dec 2025 22:05

Tgt Ion	Ratio	Lower	Upper
266	100		
264	62.4	48.9	73.3
268	62.0	50.2	75.2

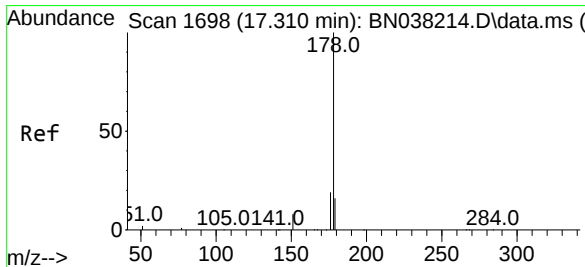
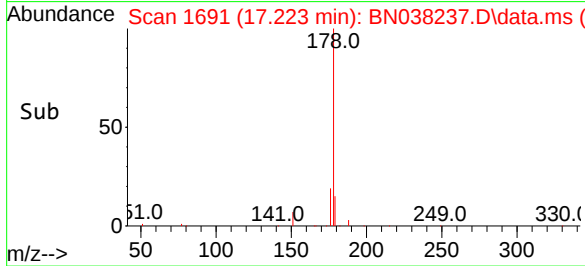
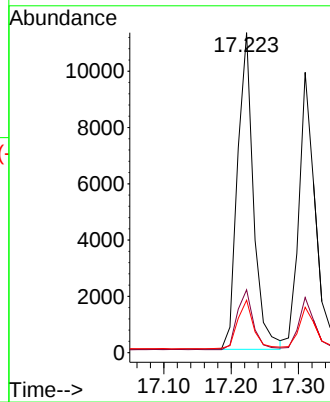
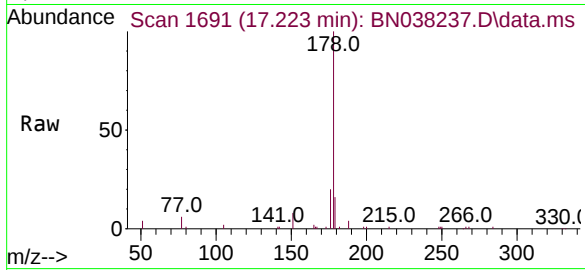




#25
Phenanthrene
Concen: 0.369 ng
RT: 17.223 min Scan# 1691
Delta R.T. 0.000 min
Lab File: BN038237.D
Acq: 01 Dec 2025 22:05

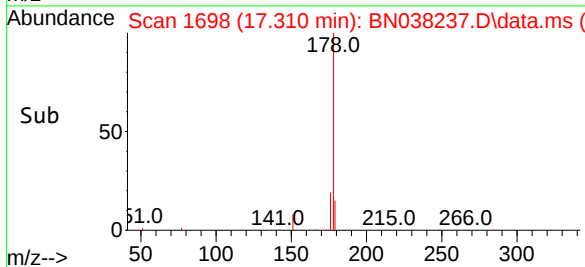
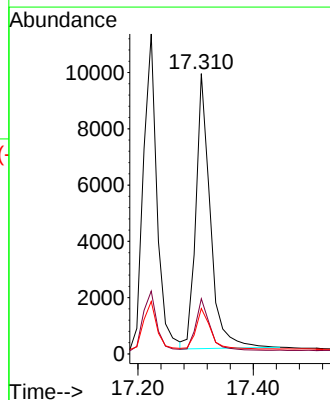
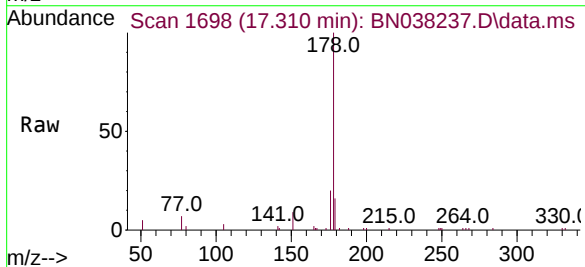
Instrument :
BNA_N
ClientSampleId :
PB170590BS

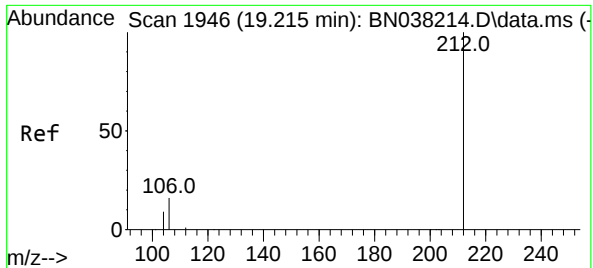
Tgt Ion:178 Resp: 18519
Ion Ratio Lower Upper
178 100
176 19.1 15.3 22.9
179 15.4 12.0 18.0



#26
Anthracene
Concen: 0.395 ng
RT: 17.310 min Scan# 1698
Delta R.T. 0.000 min
Lab File: BN038237.D
Acq: 01 Dec 2025 22:05

Tgt Ion:178 Resp: 16913
Ion Ratio Lower Upper
178 100
176 18.6 14.7 22.1
179 15.1 12.3 18.5





#27

Fluoranthene-d10

Concen: 0.435 ng

RT: 19.215 min Scan# 1946

Delta R.T. 0.000 min

Lab File: BN038237.D

Acq: 01 Dec 2025 22:05

Instrument :

BNA_N

ClientSampleId :

PB170590BS

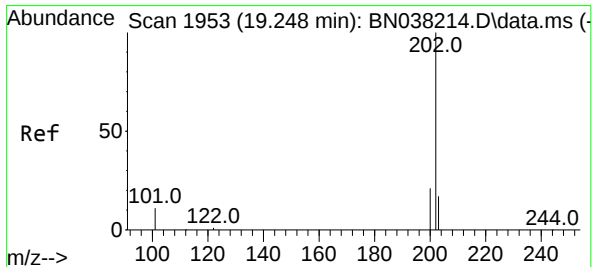
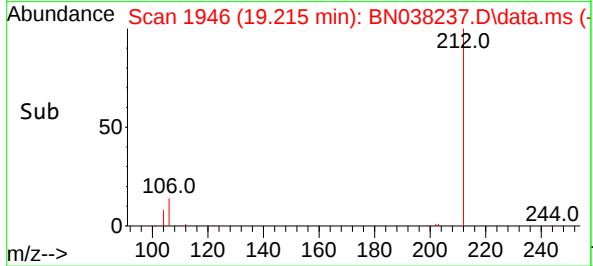
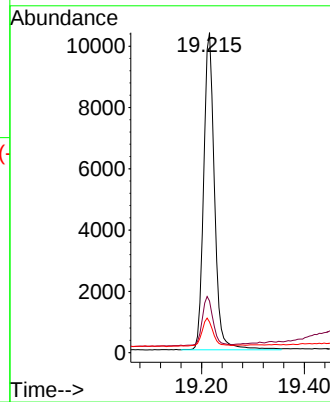
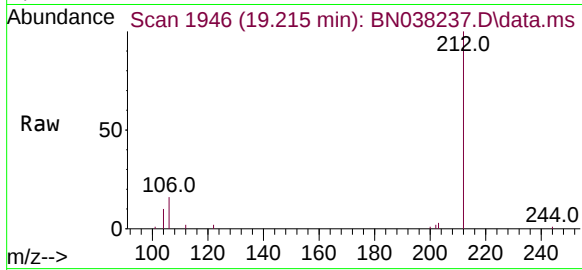
Tgt Ion:212 Resp: 15069

Ion Ratio Lower Upper

212 100

106 15.1 12.7 19.1

104 9.6 7.3 10.9



#28

Fluoranthene

Concen: 0.417 ng

RT: 19.243 min Scan# 1952

Delta R.T. -0.005 min

Lab File: BN038237.D

Acq: 01 Dec 2025 22:05

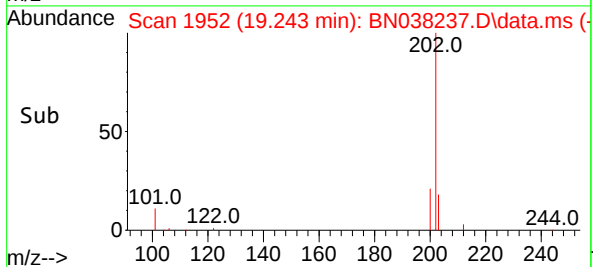
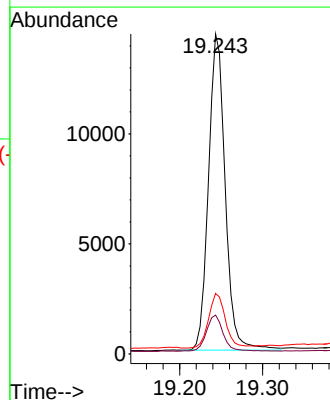
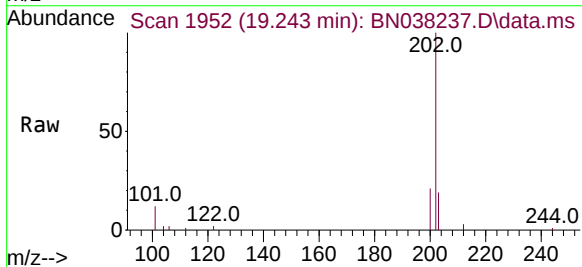
Tgt Ion:202 Resp: 20125

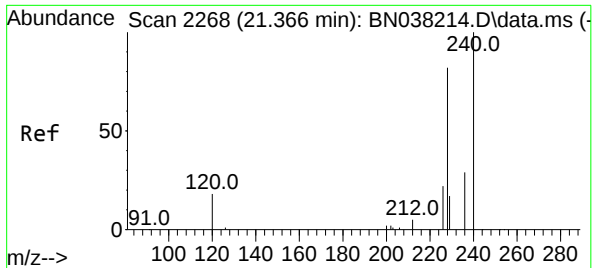
Ion Ratio Lower Upper

202 100

101 11.4 9.8 14.6

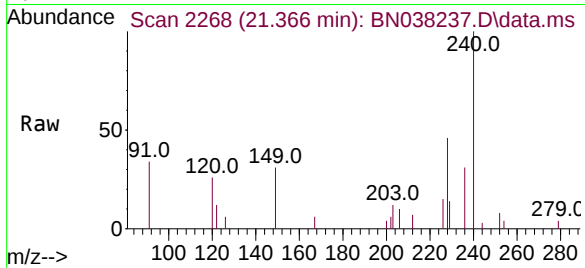
203 17.6 13.6 20.4



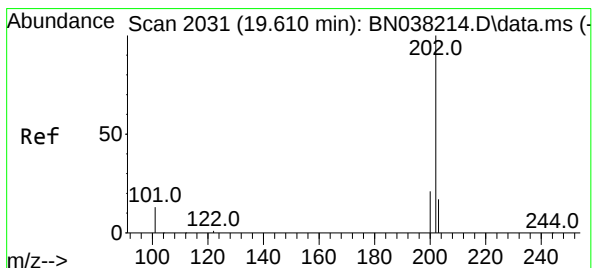
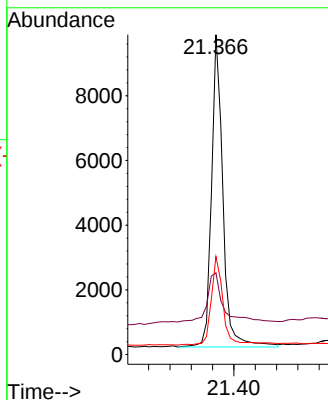
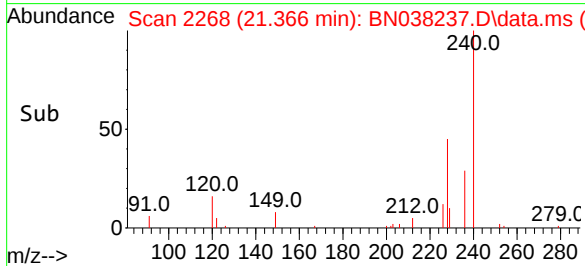


#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.366 min Scan# 21
Delta R.T. 0.000 min
Lab File: BN038237.D
Acq: 01 Dec 2025 22:05

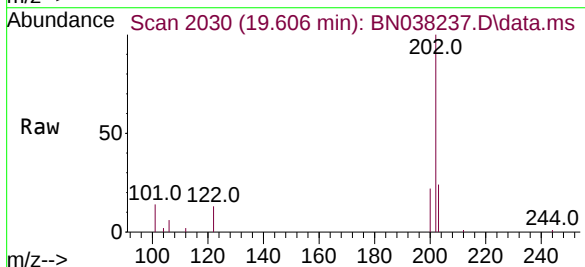
Instrument :
BNA_N
ClientSampleId :
PB170590BS



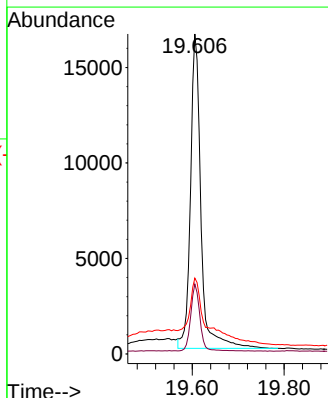
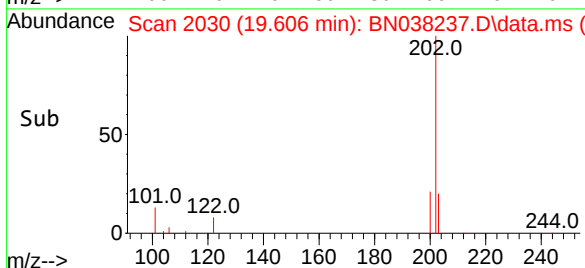
Tgt Ion	Ratio	Lower	Upper
240	100		
120	25.6	18.1	27.1
236	30.6	24.2	36.4

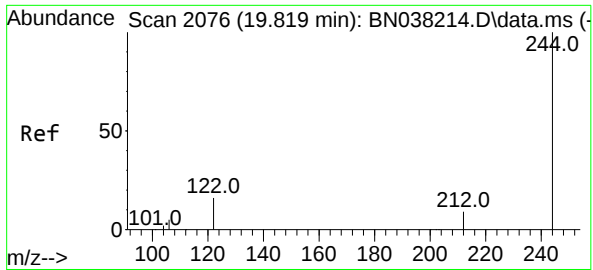


#30
Pyrene
Concen: 0.361 ng
RT: 19.606 min Scan# 2030
Delta R.T. -0.005 min
Lab File: BN038237.D
Acq: 01 Dec 2025 22:05



Tgt Ion	Ratio	Lower	Upper
202	100		
200	18.4	16.8	25.2
203	36.3	14.4	21.6

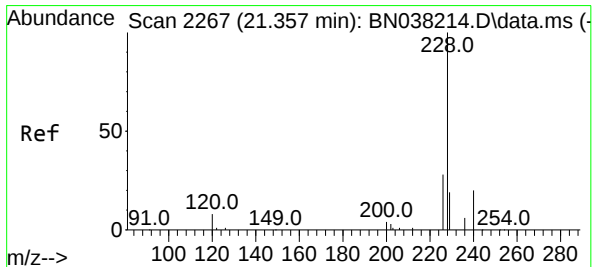
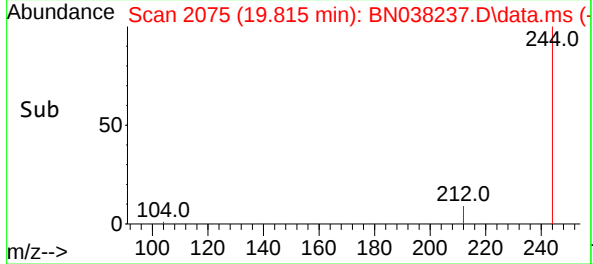
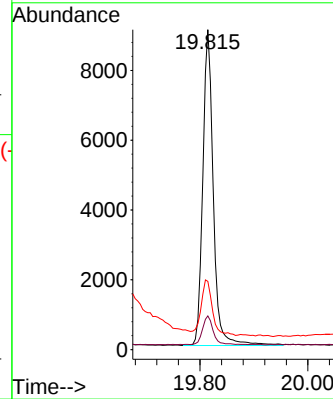
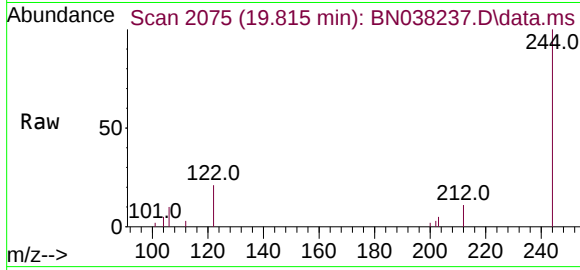




#31
Terphenyl-d14
Concen: 0.369 ng
RT: 19.815 min Scan# 2075
Delta R.T. -0.005 min
Lab File: BN038237.D
Acq: 01 Dec 2025 22:05

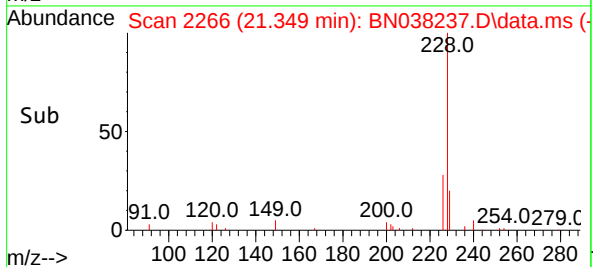
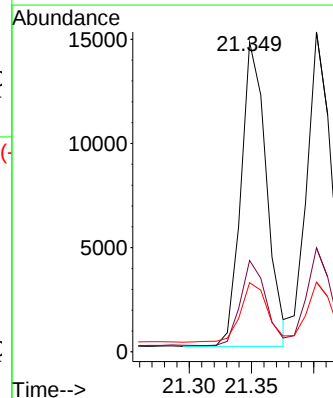
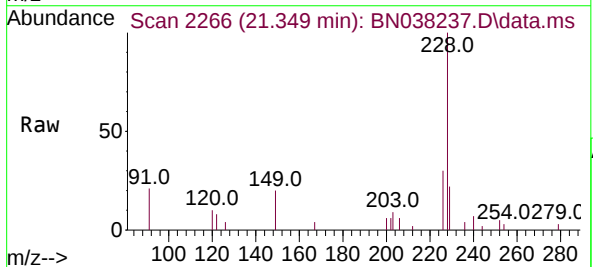
Instrument :
BNA_N
ClientSampleId :
PB170590BS

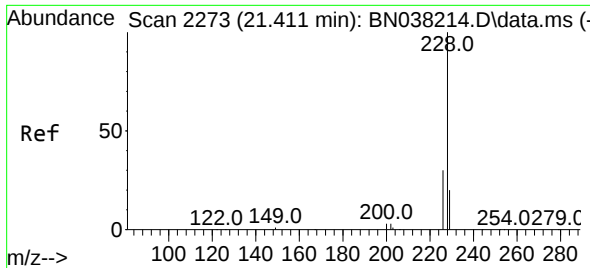
Tgt Ion:244 Resp: 12252
Ion Ratio Lower Upper
244 100
212 10.5 7.7 11.5
122 21.3 13.6 20.4#



#32
Benzo(a)anthracene
Concen: 0.427 ng
RT: 21.349 min Scan# 2266
Delta R.T. -0.009 min
Lab File: BN038237.D
Acq: 01 Dec 2025 22:05

Tgt Ion:228 Resp: 20794
Ion Ratio Lower Upper
228 100
226 29.5 22.6 33.8
229 22.3 15.8 23.8





#33

Chrysene

Concen: 0.376 ng

RT: 21.402 min Scan# 21

Delta R.T. -0.009 min

Lab File: BN038237.D

Acq: 01 Dec 2025 22:05

Instrument :

BNA_N

ClientSampleId :

PB170590BS

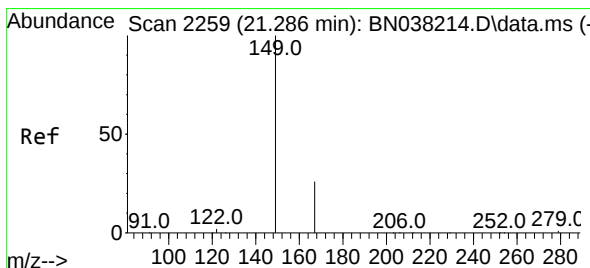
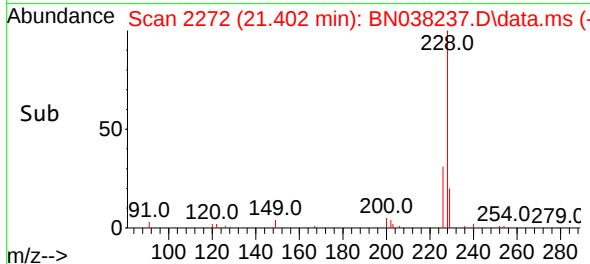
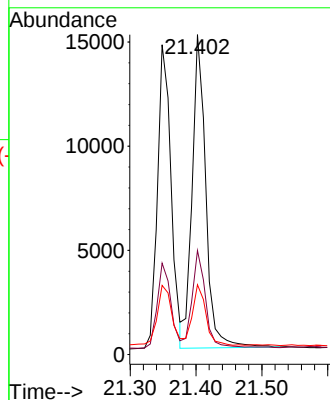
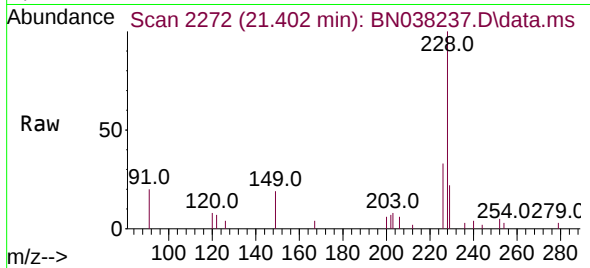
Tgt Ion:228 Resp: 21620

Ion Ratio Lower Upper

228 100

226 32.5 23.8 35.8

229 21.8 16.1 24.1



#34

Bis(2-ethylhexyl)phthalate

Concen: 0.586 ng

RT: 21.286 min Scan# 2259

Delta R.T. 0.000 min

Lab File: BN038237.D

Acq: 01 Dec 2025 22:05

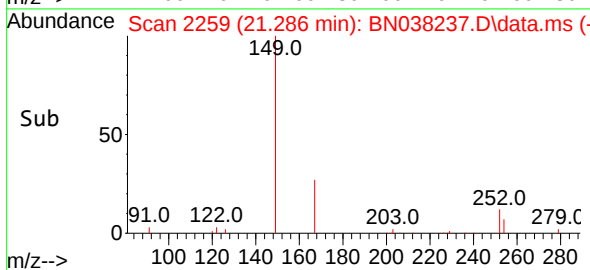
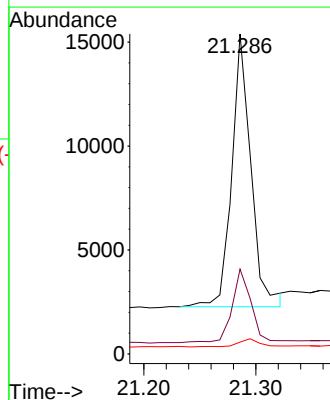
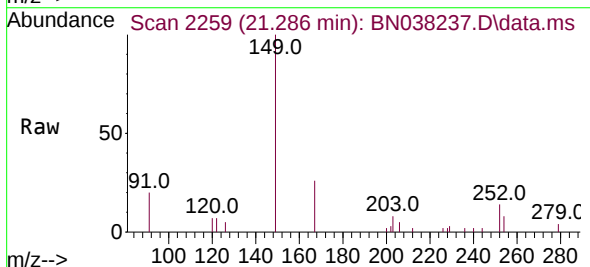
Tgt Ion:149 Resp: 15644

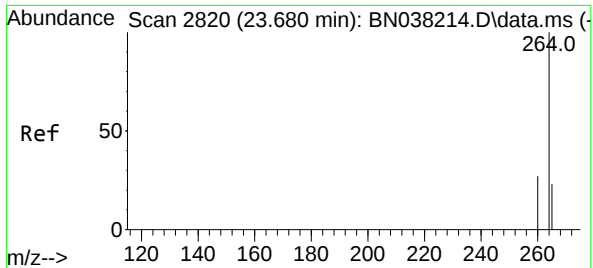
Ion Ratio Lower Upper

149 100

167 27.1 20.7 31.1

279 3.5 2.5 3.7

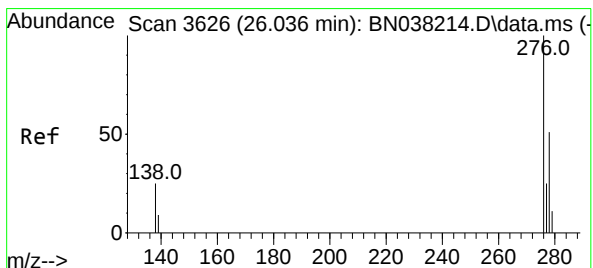
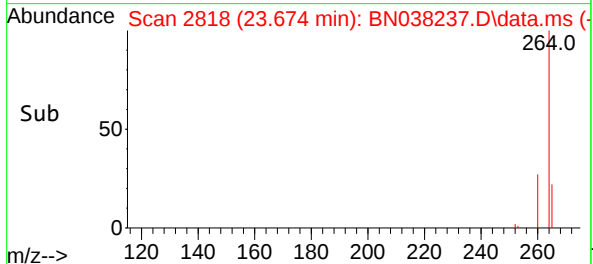
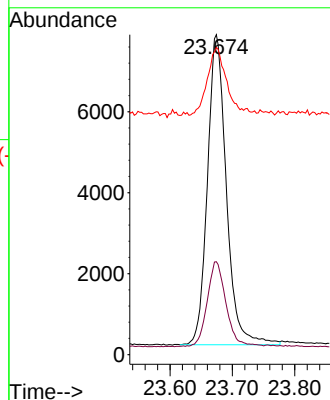
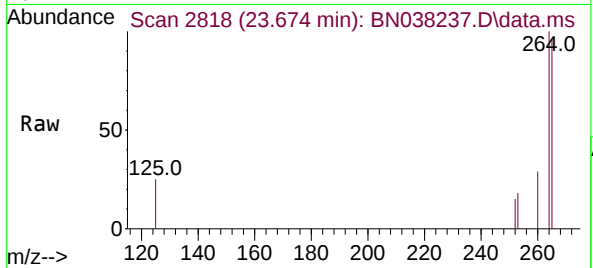




#35
Perylene-d12
Concen: 0.400 ng
RT: 23.674 min Scan# 2818
Delta R.T. -0.006 min
Lab File: BN038237.D
Acq: 01 Dec 2025 22:05

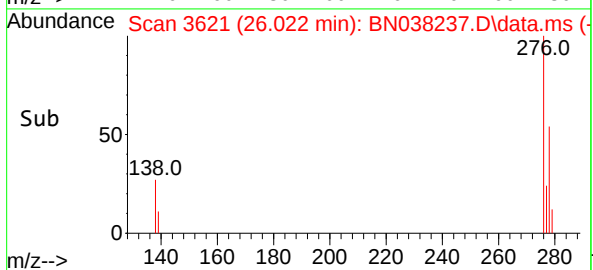
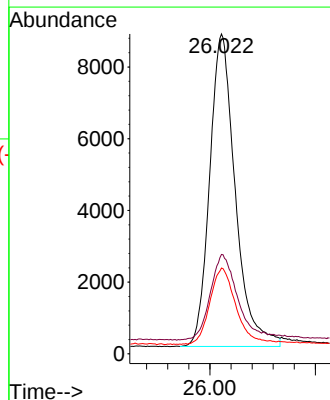
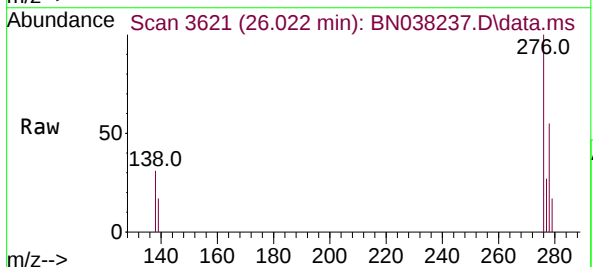
Instrument :
BNA_N
ClientSampleId :
PB170590BS

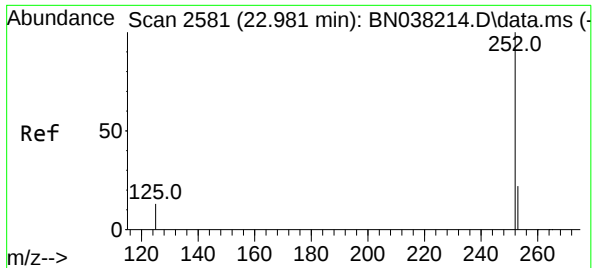
Tgt Ion:264 Resp: 16168
Ion Ratio Lower Upper
264 100
260 29.0 21.7 32.5
265 96.0 98.0 147.0#



#36
Indeno(1,2,3-cd)pyrene
Concen: 0.392 ng
RT: 26.022 min Scan# 3621
Delta R.T. -0.015 min
Lab File: BN038237.D
Acq: 01 Dec 2025 22:05

Tgt Ion:276 Resp: 29356
Ion Ratio Lower Upper
276 100
138 28.7 21.4 32.2
277 24.7 19.1 28.7





#37

Benzo(b)fluoranthene

Concen: 0.344 ng

RT: 22.975 min Scan# 2579

Delta R.T. -0.006 min

Lab File: BN038237.D

Acq: 01 Dec 2025 22:05

Instrument :

BNA_N

ClientSampleId :

PB170590BS

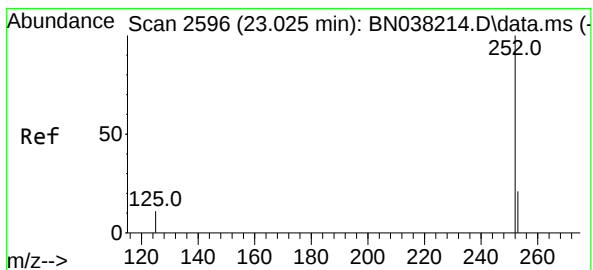
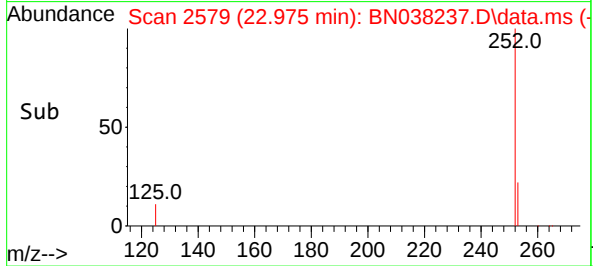
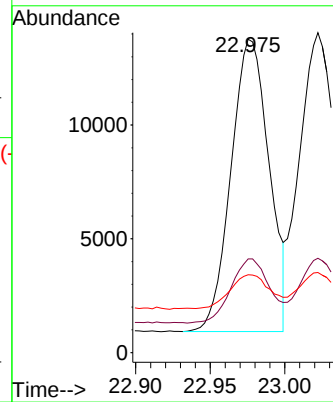
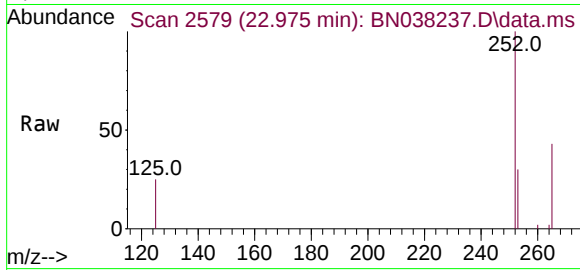
Tgt Ion:252 Resp: 22824

Ion Ratio Lower Upper

252 100

253 29.9 22.2 33.4

125 24.8 18.0 27.0



#38

Benzo(k)fluoranthene

Concen: 0.349 ng

RT: 23.022 min Scan# 2595

Delta R.T. -0.003 min

Lab File: BN038237.D

Acq: 01 Dec 2025 22:05

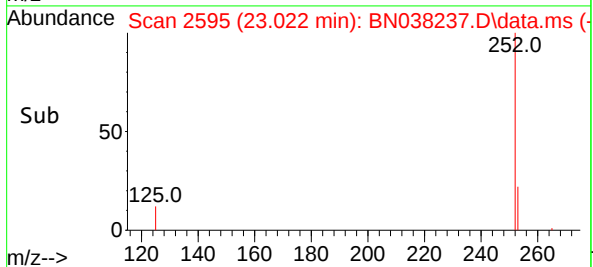
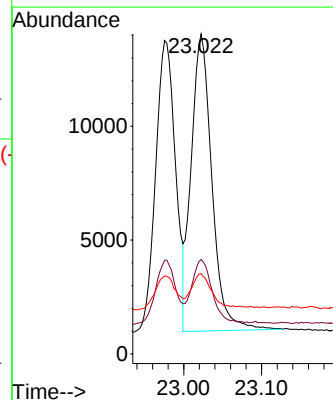
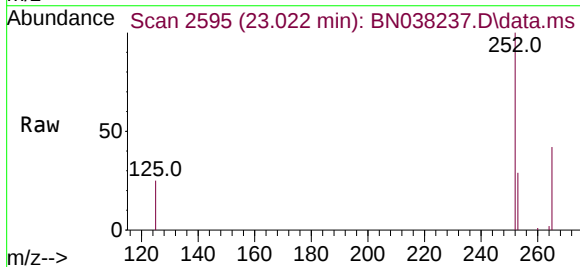
Tgt Ion:252 Resp: 24101

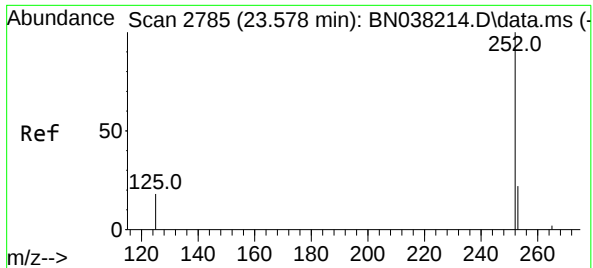
Ion Ratio Lower Upper

252 100

253 29.5 22.4 33.6

125 25.0 17.5 26.3





#39

Benzo(a)pyrene

Concen: 0.393 ng

RT: 23.572 min Scan# 21

Delta R.T. -0.006 min

Lab File: BN038237.D

Acq: 01 Dec 2025 22:05

Instrument :

BNA_N

ClientSampleId :

PB170590BS

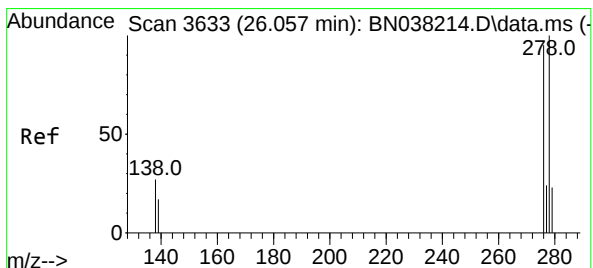
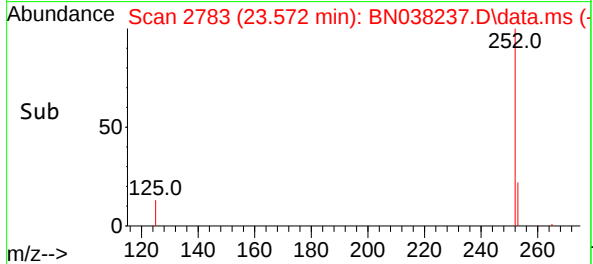
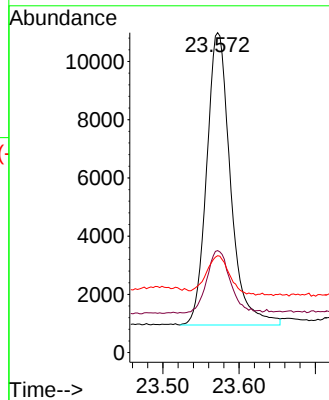
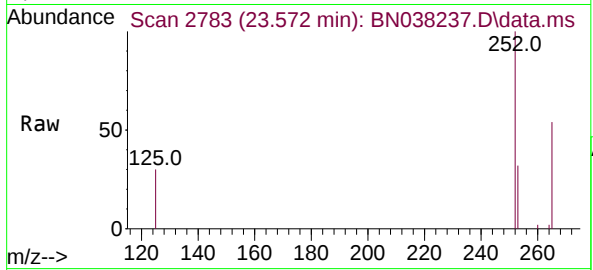
Tgt Ion:252 Resp: 21857

Ion Ratio Lower Upper

252 100

253 31.9 25.3 37.9

125 30.3 25.2 37.8



#40

Dibenzo(a,h)anthracene

Concen: 0.404 ng

RT: 26.042 min Scan# 3628

Delta R.T. -0.015 min

Lab File: BN038237.D

Acq: 01 Dec 2025 22:05

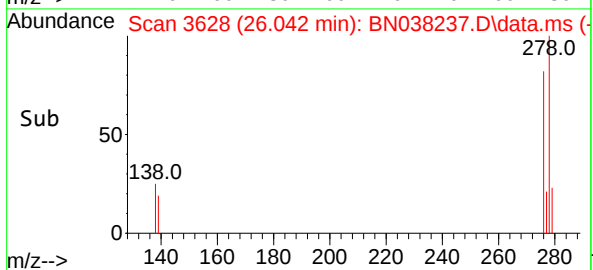
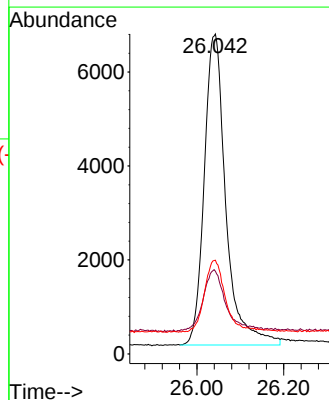
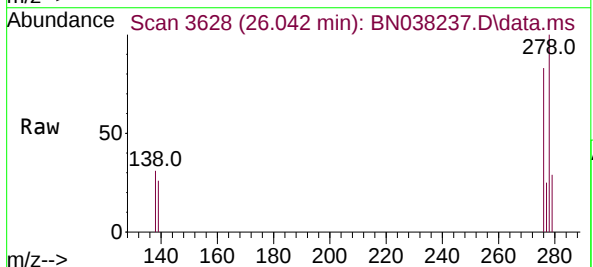
Tgt Ion:278 Resp: 22900

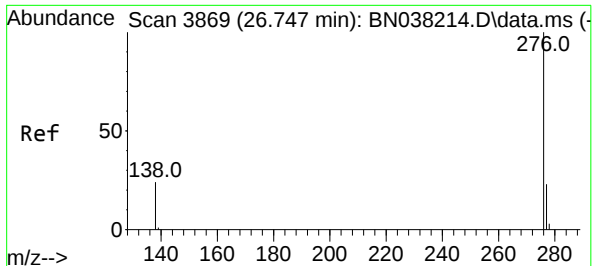
Ion Ratio Lower Upper

278 100

139 25.8 17.6 26.4

279 29.3 24.2 36.4





#41

Benzo(g,h,i)perylene

Concen: 0.363 ng

RT: 26.741 min Scan# 38

Delta R.T. -0.006 min

Lab File: BN038237.D

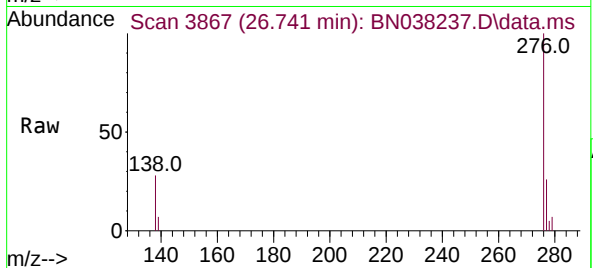
Acq: 01 Dec 2025 22:05

Instrument :

BNA_N

ClientSampleId :

PB170590BS



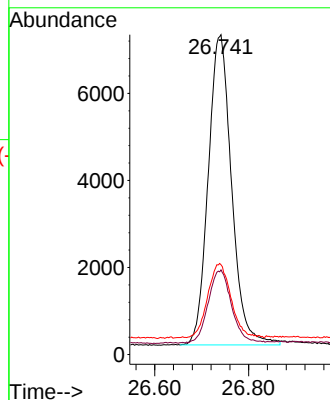
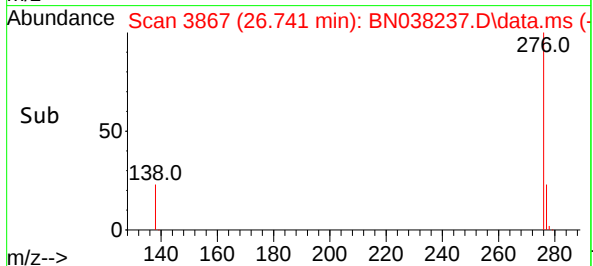
Tgt Ion:276 Resp: 24599

Ion Ratio Lower Upper

276 100

277 26.5 20.2 30.2

138 28.1 20.8 31.2





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

Manual Integration Report

Sequence:	BN112725	Instrument	BNA_n
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Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
SSTDICC0.1	BN038212.D	Benzo(g,h,i)perylene	Jagrut	12/2/2025 4:10:05 PM	 	 	Peak Integrated by Software

Manual Integration Report

Sequence:

BN120125

Instrument

BNA_n

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
Q3618-02MS	BN038234.D	Phenanthrene	Jagrut	12/2/2025 3:24:11 PM	 	 	Peak Integrated by Software
Q3618-02MSD	BN038235.D	Phenanthrene	Jagrut	12/2/2025 3:24:15 PM	 	 	Peak Integrated by Software
PB170590BS	BN038237.D	2-Methylnaphthalene-d10	Jagrut	12/2/2025 3:24:16 PM	 	 	Peak Integrated by Software

Instrument ID: **BNA_N**

Daily Analysis Runlog For Sequence/QC Batch ID # BN112725

Review By	Jagrut	Review On	12/2/2025 3:36:38 PM
Supervise By		Supervise On	
SubDirectory	BN112725	HP Acquire Method	BNA_N, 8270_SiM HP Processing Method BN112725
STD. NAME	STD REF.#		
Tune/Reschk	SP6875		
Initial Calibration Stds	SP6897,SP6898,SP6900,SP6901,SP6902,SP6903,SP6904		
CCC	SP6902		
Internal Standard/PEM	SP6907,10ul/1000ul sample		
ICV/I.BLK	SP6906		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	DFTPP	BN038211.D	26 Nov 2025 19:55	RC/JU	Ok
2	SSTDIC0.1	BN038212.D	26 Nov 2025 20:35	RC/JU	Ok,NS
3	SSTDIC0.2	BN038213.D	26 Nov 2025 21:12	RC/JU	Ok
4	SSTDIC0.4	BN038214.D	26 Nov 2025 21:48	RC/JU	Ok
5	SSTDIC0.8	BN038215.D	26 Nov 2025 22:25	RC/JU	Ok
6	SSTDIC1.6	BN038216.D	26 Nov 2025 23:01	RC/JU	Ok
7	SSTDIC3.2	BN038217.D	26 Nov 2025 23:37	RC/JU	Ok
8	SSTDIC5.0	BN038218.D	27 Nov 2025 00:13	RC/JU	Ok
9	SSTDICV0.4	BN038219.D	27 Nov 2025 00:49	RC/JU	Ok
10	PB170483BL	BN038220.D	27 Nov 2025 02:01	RC/JU	Ok

M : Manual Integration

Instrument ID: **BNA_N**

Daily Analysis Runlog For Sequence/QC Batch ID # BN120125

Review By	Jagrut	Review On	12/2/2025 3:40:28 PM
Supervise By		Supervise On	
SubDirectory	BN120125	HP Acquire Method	BNA_N, 8270_SiM HP Processing Method BN112725
STD. NAME	STD REF.#		
Tune/Reschk	SP6875		
Initial Calibration Stds	SP6897,SP6898,SP6900,SP6901,SP6902,SP6903,SP6904		
CCC	SP6902		
Internal Standard/PEM	SP6907,10ul/1000ul sample		
ICV/I.BLK	SP6906		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	DFTPP	BN038221.D	01 Dec 2025 09:44	RC/JU	Ok
2	SSTDCCC0.4	BN038222.D	01 Dec 2025 10:23	RC/JU	Ok
3	PB170590BL	BN038223.D	01 Dec 2025 10:59	RC/JU	Ok
4	Q3483-12	BN038224.D	01 Dec 2025 11:35	RC/JU	Dilution
5	Q3483-12DL	BN038225.D	01 Dec 2025 14:20	RC/JU	Ok
6	Q3483-13	BN038226.D	01 Dec 2025 14:56	RC/JU	Dilution
7	Q3483-13DL	BN038227.D	01 Dec 2025 15:49	RC/JU	Ok
8	SSTDCCC0.4	BN038228.D	01 Dec 2025 16:35	RC/JU	Ok
9	DFTPP	BN038229.D	01 Dec 2025 17:11	RC/JU	Ok
10	SSTDCCC0.4	BN038230.D	01 Dec 2025 17:51	RC/JU	Ok
11	PB170712BL	BN038231.D	01 Dec 2025 18:28	RC/JU	Ok
12	PB170712BS	BN038232.D	01 Dec 2025 19:04	RC/JU	Ok,NS
13	Q3618-02	BN038233.D	01 Dec 2025 19:40	RC/JU	Ok
14	Q3618-02MS	BN038234.D	01 Dec 2025 20:17	RC/JU	Ok,NS
15	Q3618-02MSD	BN038235.D	01 Dec 2025 20:53	RC/JU	Ok,NS
16	Q3618-01	BN038236.D	01 Dec 2025 21:29	RC/JU	Ok
17	PB170590BS	BN038237.D	01 Dec 2025 22:05	RC/JU	Ok,NS
18	PB170590BSD	BN038238.D	01 Dec 2025 22:42	RC/JU	Not Ok
19	Q3690-01	BN038239.D	01 Dec 2025 23:17	RC/JU	Ok
20	Q3690-02	BN038240.D	01 Dec 2025 23:54	RC/JU	Ok
21	Q3691-01	BN038241.D	02 Dec 2025 00:30	RC/JU	Ok

Instrument ID: **BNA_N**

Daily Analysis Runlog For Sequence/QC Batch ID # BN120125

Review By	Jagrut	Review On	12/2/2025 3:40:28 PM
Supervise By		Supervise On	
SubDirectory	BN120125	HP Acquire Method	BNA_N, 8270_SiM HP Processing Method BN112725
STD. NAME	STD REF.#		
Tune/Reschk	SP6875		
Initial Calibration Stds	SP6897,SP6898,SP6900,SP6901,SP6902,SP6903,SP6904		
CCC	SP6902		
Internal Standard/PEM	SP6907,10ul/1000ul sample		
ICV/I.BLK	SP6906		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

22	Q3691-02	BN038242.D	02 Dec 2025 01:07	RC/JU	Ok
23	Q3691-03	BN038243.D	02 Dec 2025 01:43	RC/JU	Ok
24	Q3691-04	BN038244.D	02 Dec 2025 02:19	RC/JU	Ok
25	Q3692-01	BN038245.D	02 Dec 2025 02:55	RC/JU	Ok
26	Q3692-02	BN038246.D	02 Dec 2025 03:32	RC/JU	Ok
27	Q3692-03	BN038247.D	02 Dec 2025 04:08	RC/JU	Ok
28	SSTDCCC0.4	BN038248.D	02 Dec 2025 04:44	RC/JU	Ok

M : Manual Integration

Instrument ID: BNA_N

Daily Analysis Runlog For Sequence/QC Batch ID # BN112725

Review By	Jagrut	Review On	12/2/2025 3:36:38 PM
Supervise By		Supervise On	
SubDirectory	BN112725	HP Acquire Method	BNA_N, 8270_HP Processing Method BN112725
STD. NAME	STD REF.#		
Tune/Reschk	SP6875		
Initial Calibration Stds	SP6897,SP6898,SP6900,SP6901,SP6902,SP6903,SP6904		
CCC	SP6902		
Internal Standard/PEM	SP6907,10ul/1000ul 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	BN038211.D	26 Nov 2025 19:55		RC/JU	Ok
2	SSTDICC0.1	SSTDICC0.1	BN038212.D	26 Nov 2025 20:35		RC/JU	Ok,NS
3	SSTDICC0.2	SSTDICC0.2	BN038213.D	26 Nov 2025 21:12		RC/JU	Ok
4	SSTDICCC0.4	SSTDICCC0.4	BN038214.D	26 Nov 2025 21:48	Compound #20 kept on QR.	RC/JU	Ok
5	SSTDICC0.8	SSTDICC0.8	BN038215.D	26 Nov 2025 22:25		RC/JU	Ok
6	SSTDICC1.6	SSTDICC1.6	BN038216.D	26 Nov 2025 23:01		RC/JU	Ok
7	SSTDICC3.2	SSTDICC3.2	BN038217.D	26 Nov 2025 23:37		RC/JU	Ok
8	SSTDICC5.0	SSTDICC5.0	BN038218.D	27 Nov 2025 00:13	Compound #14,24 removed from 5.0 level	RC/JU	Ok
9	SSTDICV0.4	ICVBN112725	BN038219.D	27 Nov 2025 00:49	ICV failed for compound #05,20,24	RC/JU	Ok
10	PB170483BL	PB170483BL	BN038220.D	27 Nov 2025 02:01		RC/JU	Ok

M : Manual Integration

Instrument ID: BNA_N

Daily Analysis Runlog For Sequence/QC Batch ID # BN120125

Review By	Jagrut	Review On	12/2/2025 3:40:28 PM
Supervise By		Supervise On	
SubDirectory	BN120125	HP Acquire Method	BNA_N, 8270_HP Processing Method BN112725

STD. NAME	STD REF.#
Tune/Reschk	SP6875
Initial Calibration Stds	SP6897,SP6898,SP6900,SP6901,SP6902,SP6903,SP6904
CCC	SP6902
Internal Standard/PEM	SP6907,10ul/1000ul 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	BN038221.D	01 Dec 2025 09:44		RC/JU	Ok
2	SSTDCCC0.4	SSTDCCC0.4	BN038222.D	01 Dec 2025 10:23		RC/JU	Ok
3	PB170590BL	PB170590BL	BN038223.D	01 Dec 2025 10:59		RC/JU	Ok
4	Q3483-12	HW1025-PT-TRIAZINE	BN038224.D	01 Dec 2025 11:35	HW1025-PT-TRIAZINE-SOIL Need 100X Dilution	RC/JU	Dilution
5	Q3483-12DL	HW1025-PT-TRIAZINE	BN038225.D	01 Dec 2025 14:20		RC/JU	Ok
6	Q3483-13	HW1025-PT-PAH-SOIL	BN038226.D	01 Dec 2025 14:56	Need 10X Dilution	RC/JU	Dilution
7	Q3483-13DL	HW1025-PT-PAH-SOIL	BN038227.D	01 Dec 2025 15:49		RC/JU	Ok
8	SSTDCCC0.4	SSTDCCC0.4EC	BN038228.D	01 Dec 2025 16:35		RC/JU	Ok
9	DFTPP	DFTPP	BN038229.D	01 Dec 2025 17:11		RC/JU	Ok
10	SSTDCCC0.4	SSTDCCC0.4	BN038230.D	01 Dec 2025 17:51		RC/JU	Ok
11	PB170712BL	PB170712BL	BN038231.D	01 Dec 2025 18:28		RC/JU	Ok
12	PB170712BS	PB170712BS	BN038232.D	01 Dec 2025 19:04		RC/JU	Ok,NS
13	Q3618-02	EME-GENERAL-FILL	BN038233.D	01 Dec 2025 19:40	Regular Internal standard added	RC/JU	Ok
14	Q3618-02MS	EME-GENERAL-FILLM	BN038234.D	01 Dec 2025 20:17	Regular Internal standard added.	RC/JU	Ok,NS
15	Q3618-02MSD	EME-GENERAL-FILLM	BN038235.D	01 Dec 2025 20:53	Regular Internal standard added	RC/JU	Ok,NS
16	Q3618-01	EME-TOP-SOIL	BN038236.D	01 Dec 2025 21:29	Regular Internal standard added	RC/JU	Ok
17	PB170590BS	PB170590BS	BN038237.D	01 Dec 2025 22:05		RC/JU	Ok,NS

Instrument ID: BNA_N

Daily Analysis Runlog For Sequence/QC Batch ID # BN120125

Review By	Jagrut	Review On	12/2/2025 3:40:28 PM
Supervise By		Supervise On	
SubDirectory	BN120125	HP Acquire Method	BNA_N, 8270_HP Processing Method BN112725
STD. NAME	STD REF.#		
Tune/Reschk	SP6875		
Initial Calibration Stds	SP6897,SP6898,SP6900,SP6901,SP6902,SP6903,SP6904		
CCC	SP6902		
Internal Standard/PEM	SP6907,10ul/1000ul sample		
ICV/I.BLK	SP6906		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

18	PB170590BSD	PB170590BSD	BN038238.D	01 Dec 2025 22:42	PB170590BS LOADED AGIN	RC/JU	Not Ok
19	Q3690-01	RW8-SP100-20251118	BN038239.D	01 Dec 2025 23:17		RC/JU	Ok
20	Q3690-02	RW8-SP303-20251118	BN038240.D	01 Dec 2025 23:54		RC/JU	Ok
21	Q3691-01	RW7-SP100-20251118	BN038241.D	02 Dec 2025 00:30		RC/JU	Ok
22	Q3691-02	RW7-SP201-20251118	BN038242.D	02 Dec 2025 01:07		RC/JU	Ok
23	Q3691-03	RW7-SP302-20251118	BN038243.D	02 Dec 2025 01:43		RC/JU	Ok
24	Q3691-04	RW7-SP303-20251118	BN038244.D	02 Dec 2025 02:19		RC/JU	Ok
25	Q3692-01	RW5-SP100-20251118	BN038245.D	02 Dec 2025 02:55		RC/JU	Ok
26	Q3692-02	RW5-SP201-20251118	BN038246.D	02 Dec 2025 03:32		RC/JU	Ok
27	Q3692-03	RW5-SP303-20251118	BN038247.D	02 Dec 2025 04:08		RC/JU	Ok
28	SSTDCCC0.4	SSTDCCC0.4EC	BN038248.D	02 Dec 2025 04:44		RC/JU	Ok

M : Manual Integration



PERCENT SOLID

Supervisor: Iwona
Analyst: jignesh
Date: 11/13/2025

OVENTEMP IN Celsius(°C): 107
Time IN: 17:20
In Date: 11/12/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
OvenID: M OVEN#1

OVENTEMP OUT Celsius(°C): 104
Time OUT: 08:27
Out Date: 11/13/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
BalanceID: M SC-4
Thermometer ID: % SOLID-OVEN

QC:LB137869

Lab ID	Client SampleID	Dish #	Dish Wt(g) (A)	Sample Wt(g)	Dish + Sample Wt(g) (B)	Dish+Dry Sample Wt(g) (C)	% Solid	Comments
Q3609-01	AU-713-COMP-01	1	1.15	10.53	11.68	9.74	81.6	
Q3609-02	AU-713-VOC-01	2	1.18	10.57	11.75	10.37	86.9	
Q3609-04	AU-713-COMP-02	3	1.19	10.53	11.72	10.1	84.6	
Q3609-05	AU-713-VOC-02	4	1.15	10.68	11.83	9.23	75.7	
Q3609-07	AU-713-COMP-03	5	1.19	10.33	11.52	10.00	85.3	
Q3609-08	AU-713-VOC-03	6	1.16	10.90	12.06	10.44	85.1	
Q3609-10	AU-713-COMP-04	7	1.18	10.34	11.52	9.51	80.6	
Q3609-11	AU-713-VOC-04	8	1.13	10.46	11.59	10.16	86.3	
Q3609-13	AU-713-COMP-05	9	1.14	10.49	11.63	10.05	84.9	
Q3609-14	AU-713-VOC-05	10	1.13	10.40	11.53	10.00	85.3	
Q3609-15	AU-713-COMP-05	11	1.14	10.49	11.63	10.05	84.9	
Q3610-01	AU-713-TPH-01	12	1.18	10.35	11.53	10.37	88.8	
Q3610-02	AU-713-TPH-02	13	1.19	10.50	11.69	9.48	79.0	
Q3610-03	AU-713-TPH-03	14	1.11	10.33	11.44	9.75	83.6	
Q3610-04	AU-713-TPH-04	15	1.18	10.42	11.6	9.1	76.0	
Q3610-05	AU-713-TPH-05	16	1.18	10.56	11.74	10.33	86.6	
Q3610-06	AU-713-TPH-06	17	1.19	10.37	11.56	10.03	85.2	
Q3610-07	AU-713-TPH-07	18	1.15	10.40	11.55	9.08	76.3	
Q3610-08	AU-713-TPH-08	19	1.19	10.43	11.62	10.04	84.9	
Q3610-09	AU-713-TPH-09	20	1.18	10.71	11.89	9.9	81.4	
Q3610-10	AU-713-TPH-10	21	1.16	10.24	11.4	9.96	85.9	
Q3610-11	AU-713-TPH-11	22	1.14	9.99	11.13	8.96	78.3	
Q3610-12	AU-713-TPH-12	23	1.19	10.49	11.68	9.99	83.9	
Q3610-13	AU-713-TPH-13	24	1.15	10.84	11.99	10.4	85.3	
Q3610-14	AU-713-TPH-14	25	1.18	10.50	11.68	10.44	88.2	
Q3610-15	AU-713-TPH-15	26	1.14	10.48	11.62	10.34	87.8	
Q3611-01	AU-713-01	27	1.13	10.54	11.67	9.83	82.5	
Q3611-02	AU-713-02	28	1.12	11.27	12.39	9.7	76.1	

PERCENT SOLID

Supervisor: Iwona
Analyst: jignesh
Date: 11/13/2025

OVENTEMP IN Celsius(°C): 107
Time IN: 17:20
In Date: 11/12/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
OvenID: M OVEN#1

OVENTEMP OUT Celsius(°C): 104
Time OUT: 08:27
Out Date: 11/13/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
BalanceID: M SC-4
Thermometer ID: % SOLID-OVEN

QC:LB137869

Lab ID	Client SampleID	Dish #	Dish Wt(g) (A)	Sample Wt(g)	Dish + Sample Wt(g) (B)	Dish+Dry Sample Wt(g) (C)	% Solid	Comments
Q3611-03	AU-713-03	29	1.12	10.07	11.19	9.69	85.1	
Q3611-04	AU-713-04	30	1.16	10.64	11.8	9.27	76.2	
Q3611-05	AU-713-05	31	1.16	10.31	11.47	10.55	91.1	
Q3611-06	AU-713-06	32	1.18	10.70	11.88	10.14	83.7	
Q3611-07	AU-713-07	33	1.15	10.28	11.43	9.16	77.9	
Q3611-08	AU-713-08	34	1.19	10.71	11.9	10.05	82.7	
Q3611-09	AU-713-09	35	1.19	10.66	11.85	9.64	79.3	
Q3611-10	AU-713-10	36	1.17	10.13	11.3	9.79	85.1	
Q3611-11	AU-713-11	37	1.13	11.03	12.16	9.74	78.1	
Q3611-12	AU-713-12	38	1.11	10.13	11.24	9.17	79.6	
Q3611-13	AU-713-13	39	1.13	10.59	11.72	9.54	79.4	
Q3611-14	AU-713-14	40	1.16	10.23	11.39	10.02	86.6	
Q3611-15	AU-713-15	41	1.16	10.44	11.6	10.08	85.4	
Q3614-01	COMP-1	42	1.12	10.94	12.06	10.12	82.3	
Q3614-02	COMP-2	43	1.18	10.44	11.62	9.71	81.7	
Q3614-03	COMP-3	44	1.18	10.30	11.48	9.78	83.5	
Q3615-01	East Bathhouse-Concrete	45	1.00	1.00	2.00	2.00	100.0	Concreate sample
Q3618-01	EME-TOP-SOIL	46	1.18	10.33	11.51	8.44	70.3	
Q3618-02	EME-GENERAL-FILL	47	1.19	10.38	11.57	10.34	88.2	
Q3621-01	VNJ-231	48	1.16	10.38	11.54	11.06	95.4	
Q3621-02	VNJ-231	49	1.19	10.21	11.4	10.7	93.1	
Q3622-01	RT3071-SOLID	50	1.15	10.44	11.59	8.75	72.8	
Q3623-01	RBR200007-SOIL	51	1.13	10.84	11.97	10.5	86.4	
Q3623-02	RBR200007-SILICA	52	1.13	10.86	11.99	3.71	23.8	sludge sample
Q3624-01	OK-02-11122025	53	1.13	10.91	12.04	10.54	86.3	
Q3624-02	OK-02-11122025-E2	54	1.16	10.34	11.5	10.12	86.7	

$$\% \text{ Solid} = \frac{(C-A) * 100}{(B-A)}$$

WORKLIST(Hardcopy Internal Chain)

UP 137869

WorkList Name : %1-111225

WorkList ID : 193056

Department : Wet-Chemistry

Date : 11-12-2025 07:31:43

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q3609-01	AU-713-COMP-01	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	11/11/2025	Chemtech -SO
Q3609-02	AU-713-VOC-01	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	11/11/2025	Chemtech -SO
Q3609-04	AU-713-COMP-02	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	11/11/2025	Chemtech -SO
Q3609-05	AU-713-VOC-02	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	11/11/2025	Chemtech -SO
Q3609-07	AU-713-COMP-03	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	11/11/2025	Chemtech -SO
Q3609-08	AU-713-VOC-03	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	11/11/2025	Chemtech -SO
Q3609-10	AU-713-COMP-04	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	11/11/2025	Chemtech -SO
Q3609-11	AU-713-VOC-04	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	11/11/2025	Chemtech -SO
Q3609-13	AU-713-COMP-05	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	11/11/2025	Chemtech -SO
Q3609-14	AU-713-VOC-05	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	11/11/2025	Chemtech -SO
Q3609-15	AU-713-COMP-05	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	11/11/2025	Chemtech -SO
Q3610-01	AU-713-TPH-01	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	11/11/2025	Chemtech -SO
Q3610-02	AU-713-TPH-02	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	11/11/2025	Chemtech -SO
Q3610-03	AU-713-TPH-03	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	11/11/2025	Chemtech -SO
Q3610-04	AU-713-TPH-04	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	11/11/2025	Chemtech -SO
Q3610-05	AU-713-TPH-05	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	11/11/2025	Chemtech -SO
Q3610-06	AU-713-TPH-06	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	11/11/2025	Chemtech -SO
Q3610-07	AU-713-TPH-07	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	11/11/2025	Chemtech -SO
Q3610-08	AU-713-TPH-08	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	11/11/2025	Chemtech -SO
Q3610-09	AU-713-TPH-09	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	11/11/2025	Chemtech -SO
Q3610-10	AU-713-TPH-10	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	11/11/2025	Chemtech -SO

Date/Time 11-12-25 15:30

Raw Sample Received by: JP WCI

Raw Sample Relinquished by: CP

Date/Time 11-12-25

Raw Sample Received by: JP WCI

Raw Sample Relinquished by: JP WCI

WORKLIST(Hardcopy Internal Chain)

137869

WorkList Name : %1-111225

WorkList ID : 193056

Department : Wet-Chemistry

Date : 11-12-2025 07:31:43

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q3610-11	AU-713-TPH-11	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	11/11/2025	Chemtech -SO
Q3610-12	AU-713-TPH-12	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	11/11/2025	Chemtech -SO
Q3610-13	AU-713-TPH-13	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	11/11/2025	Chemtech -SO
Q3610-14	AU-713-TPH-14	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	11/11/2025	Chemtech -SO
Q3610-15	AU-713-TPH-15	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	11/11/2025	Chemtech -SO
Q3611-01	AU-713-01	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	11/12/2025	Chemtech -SO
Q3611-02	AU-713-02	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	11/12/2025	Chemtech -SO
Q3611-03	AU-713-03	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	11/12/2025	Chemtech -SO
Q3611-04	AU-713-04	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	11/12/2025	Chemtech -SO
Q3611-05	AU-713-05	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	11/12/2025	Chemtech -SO
Q3611-06	AU-713-06	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	11/12/2025	Chemtech -SO
Q3611-07	AU-713-07	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	11/12/2025	Chemtech -SO
Q3611-08	AU-713-08	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	11/12/2025	Chemtech -SO
Q3611-09	AU-713-09	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	11/12/2025	Chemtech -SO
Q3611-10	AU-713-10	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	11/12/2025	Chemtech -SO
Q3611-11	AU-713-11	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	11/12/2025	Chemtech -SO
Q3611-12	AU-713-12	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	11/12/2025	Chemtech -SO
Q3611-13	AU-713-13	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	11/12/2025	Chemtech -SO
Q3611-14	AU-713-14	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	11/12/2025	Chemtech -SO
Q3611-15	AU-713-15	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	11/12/2025	Chemtech -SO
Q3614-01	COMP-1	Solid	Percent Solids	Cool 4 deg C	POWE02	J21	11/11/2025	Chemtech -SO

Date/Time 11-12-25 13:30
Raw Sample Received by: [Signature]
Raw Sample Relinquished by: [Signature]

Date/Time 11-12-25 17:40
Raw Sample Received by: [Signature]
Raw Sample Relinquished by: [Signature]

WORKLIST(Hardcopy Internal Chain)

137869

WorkList Name : %1-111225

WorkList ID : 193056

Department : Wet-Chemistry

Date : 11-12-2025 07:31:43

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q3614-02	COMP-2	Solid	Percent Solids	Cool 4 deg C	POWE02	J21	11/11/2025	Chemtech -SO
Q3614-03	COMP-3	Solid	Percent Solids	Cool 4 deg C	POWE02	J21	11/11/2025	Chemtech -SO
Q3615-01	East Bathroom- Concrete	Solid	Percent Solids	Cool 4 deg C	CORE02	J32	11/12/2025	Chemtech -SO
Q3618-01	EME-TOP-SOIL	Solid	Percent Solids	Cool 4 deg C	ENTA05	D41	11/12/2025	Chemtech -SO
Q3618-02	EME-GENERAL-FILL	Solid	Percent Solids	Cool 4 deg C	ENTA05	D41	11/12/2025	Chemtech -SO
Q3621-01	VNJ-231	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	11/12/2025	Chemtech -SO
Q3621-02	VNJ-231	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	11/12/2025	Chemtech -SO
Q3622-01	RT3071-SOLID	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	11/12/2025	Chemtech -SO
Q3623-01	RBR200007-SOIL	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	11/12/2025	Chemtech -SO
Q3623-02	RBR200007-SILICA	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	11/12/2025	Chemtech -SO
Q3624-01	OK-02-11122025	Solid	Percent Solids	Cool 4 deg C	PSEG05	D41	11/12/2025	Chemtech -SO
Q3624-02	OK-02-11122025-E2	Solid	Percent Solids	Cool 4 deg C	PSEG05	D41	11/12/2025	Chemtech -SO

Date/Time 11-12-25 15:30

Raw Sample Received by: SO (WC)

Raw Sample Relinquished by: [Signature]

Date/Time 11-12-25

Raw Sample Received by: [Signature]

Raw Sample Relinquished by: [Signature]

1740

[Signature]

[Signature]

SOP ID: M3541-ASE Extraction-15

Clean Up SOP #: N/A **Extraction Start Date :** 11/18/2025

Matrix : Solid **Extraction Start Time :** 08:33

Weigh By: EH **Extraction By:** RJ **Extraction End Date :** 11/18/2025

Balance check: EH **Filter By:** RJ **Extraction End Time :** 11:45

Balance ID: EX-SC-2 **pH Meter ID:** N/A **Concentration By:** EH

pH Strip Lot#: N/A **Hood ID:** 3,7 **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
LOD	1.0ML	N/A 1 PPM	SP6925
LOQ	1.0ML	N/A 0.2 PPM	SP6926
N/A	N/A	N/A	N/A

Chemical Used	ML/SAMPLE USED	Lot Number
MeCl2/Acetone/1:1	N/A	EP2659
Baked Na2SO4	N/A	EP2655
Sand	N/A	E3951
Methylene Chloride	N/A	E3986
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A

Extraction Conformance/Non-Conformance Comments:

1.5ML Vial Lot # 2210443.

KD Bath ID: N/A **Envap ID:** N-EVAP-02

KD Bath Temperature: N/A **Envap Temperature:** 40 °C

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
11/18/25	RS (Ext-Lab)	J4/SV
11:50	Preparation Group	Analysis Group

Analytical Method: M3541-ASE Extraction-15

Concentration Date: 11/18/2025

Sample ID	Client Sample ID	Test	g/mL	PH	Surr/Spike By:		Final Vol. (mL)	JarID	Comments	Prep Pos
					AddedBy	VerifiedBy				
PB170590BL	SBLK590	SVOC-SIMGrou p1	30.02	N/A	ritesh	Evelyn	1			U6-1
PB170590BS	SLCS590	SVOC-SIMGrou p1	30.03	N/A	ritesh	Evelyn	1			2
Q3483-11	HW1025-PT-BNA-SOIL	SVOCMS Group2	29.85	N/A	ritesh	Evelyn	1			3
Q3483-12	HW1025-PT-TRIAZINE-SO IL	SVOCMS Group5	30.36	N/A	ritesh	Evelyn	1			4
Q3483-13	HW1025-PT-PAH-SOIL	SVOCMS Group3	30.21	N/A	ritesh	Evelyn	1			5
Q3530-01	LOD-MDL-SOIL-01-QT4-2 025	SVOC-SIMGrou p1	30.04	N/A	ritesh	Evelyn	1			6
Q3530-02	LOQ-SOIL-02-QT4-2025	SVOC-SIMGrou p1	30.01	N/A	ritesh	Evelyn	1			U7-1
Q3618-01	EME-TOP-SOIL	SVOC-SIMGrou p1	30.05	N/A	ritesh	Evelyn	1	E		2
Q3618-02	EME-GENERAL-FILL	SVOC-SIMGrou p1	30.07	N/A	ritesh	Evelyn	1	F		3
Q3618-02MS	EME-GENERAL-FILLMS	SVOC-SIMGrou p1	30.04	N/A	ritesh	Evelyn	1	F		4
Q3618-02MS D	EME-GENERAL-FILLMSD	SVOC-SIMGrou p1	30.06	N/A	ritesh	Evelyn	1	F		5



* Extracts relinquished on the same date as received.

WORKLIST(Hardcopy Internal Chain)

WorkList Name : Q3618

WorkList ID : 193166

Department : Extraction

Date : 11-18-2025 08:28:12

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q3483-11	HW1025-PT-BNA-SOIL	Solid	SVOCMS Group2	Cool 4 deg C	ALLI03	QA Of	10/27/2025	8270-Modified
Q3483-12	HW1025-PT-TRIAZINE-SOIL	Solid	SVOCMS Group5	Cool 4 deg C	ALLI03	QA Of	10/27/2025	8270-Modified
Q3483-13	HW1025-PT-PAH-SOIL	Solid	SVOCMS Group3	Cool 4 deg C	ALLI03	QA Of	10/27/2025	8270-Modified
Q3530-01	LOD-MDL-SOIL-01-QT4-2025	Solid	SVOC-SIMGroup1	Cool 4 deg C	ALLI03	QA Of	11/03/2025	8270-Modified
Q3530-02	LOQ-SOIL-02-QT4-2025	Solid	SVOC-SIMGroup1	Cool 4 deg C	ALLI03	QA Of	11/03/2025	8270-Modified
Q3618-01	EME-TOP-SOIL	Solid	SVOC-SIMGroup1	Cool 4 deg C	ENTA05	D41	11/12/2025	8270-Modified
Q3618-02	EME-GENERAL-FILL	Solid	SVOC-SIMGroup1	Cool 4 deg C	ENTA05	D41	11/12/2025	8270-Modified

Date/Time 11/18/25 8:28
 Raw Sample Received by: RJ (Ext-66)
 Raw Sample Relinquished by: [Signature]

Date/Time 11/17/25 8:45
 Raw Sample Received by: [Signature]
 Raw Sample Relinquished by: RJ (Ext-66)



SHIPPING DOCUMENTS

CLIENT INFORMATION

CLIENT PROJECT INFORMATION

CLIENT BILLING INFORMATION

REPORT TO BE SENT TO:

COMPANY: ENTACT LLC
ADDRESS: 150 Bay St.
CITY Jersey City STATE: NJ ZIP: 07032
ATTENTION: Austin Farmerie
PHONE: FAX:

PROJECT NAME: Whitaker Coatings
PROJECT NO.: E9125 LOCATION: North Brunswick
PROJECT MANAGER:
e-mail:
PHONE: FAX:

BILL TO: ENTACT LLC PO#: E9125B
ADDRESS: 999 Oakmont Plaza drive 300
CITY Westmont STATE: FL ZIP: 60559
ATTENTION: PHONE:

ANALYSIS

DATA TURNAROUND INFORMATION

DATA DELIVERABLE INFORMATION

FAX (RUSH) DAYS*
HARDCOPY (DATA PACKAGE): 5 TAT DAYS*
EDD: 5 TAT 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

1. TCL VOCs
2. SVOCs, PCBs, Pest.
3. WJDER EPH
4. Herb.
5. TH. Met. Heavy
6. Chemo. - Trivalent
7. Hex. Chemo. Cyp.
8. SEE ATTACHED
9.

PRESERVATIVES

COMMENTS

ALLIANCE SAMPLE ID	PROJECT SAMPLE IDENTIFICATION	SAMPLE MATRIX	SAMPLE TYPE		SAMPLE COLLECTION		# OF BOTTLES	PRESERVATIVES									COMMENTS
			COMP	GRAB	DATE	TIME		E/F	E	E	E	E	E	E	E	E	
1.	EME - Top Soil	S.	X		11-12	1000	9	X	X	X	X	X	X	X	X	X	
2.	EME - General Fill	S.	X		11-12	1015	9	X	X	X	X	X	X	X	X	X	
3.																	
4.																	
5.																	
6.																	
7.																	
8.																	
9.																	
10.																	

SAMPLE CUSTODY MUST BE DOCUMENTED BELOW EACH TIME SAMPLES CHANGE POSSESSION INCLUDING COURIER DELIVERY

RELINQUISHED BY SAMPLER: 1. <i>[Signature]</i>	DATE/TIME: 11-12-25	RECEIVED BY: 1. <i>[Signature]</i>	Conditions of bottles or coolers at receipt: ☐ COMPLIANT ☐ NON COMPLIANT ☐ COOLER TEMP _____ °C
RELINQUISHED BY SAMPLER: 2.	DATE/TIME:	RECEIVED BY: 2.	Comments: <i>no cooler - ROC in folder</i>
RELINQUISHED BY SAMPLER: 3.	DATE/TIME:	RECEIVED BY: 3.	Page 1 of 1

CLIENT: ☐ Hand Delivered ☐ Other
Shipment Complete ☐ YES ☐ NO

No problem, please confirm this is a bottle order request?

Can you please provide project name so we can enter.

Regards,

Jordan



Jordan Hedvat
Account Executive, Environmental Laboratories
An Alliance Technical Group Company
Main: 908-789-8900
Direct: 908-728-3144
Address: 284 Sheffield St, Ste 1, Mountainside, NJ 07092
www.alliancetg.com

From: Nathan Bennett <nbennett@entact.com>
Sent: Wednesday, November 12, 2025 8:55 AM
To: Jordan Hedvat <jordan.hedvat@alliancetg.com>
Cc: Austin Farmerie <AFarmerie@entact.com>
Subject: Fill Material Sampling - ENTACT

EXTERNAL EMAIL - This email was sent by a person from outside your organization. Exercise caution when clicking links, opening attachments or taking further action, before validating its authenticity.

Secured by Check Point

Jordan-

Austin, CC'd, is collecting 2 different fill sources that we will need to perform the following tests:

- a. Target Compound List (TCL) VOCs (USEPA SW 846 Method 8260)
- b. TCL SVOCs (USEPA SW-846 Method 8270)
- c. PCBs (USEPA SW-846 Method 8082)
- d. Extractable Petroleum Hydrocarbons (EPH) (NJDEP EPH Method Version 3.0)
- e. Pesticides (USEPA SW-846 Method 8081)
- f. Herbicides (USEPA SW-846 Method 8151)
- g. Target analyte list (TAL) metals (USEPA SW-846 Method 6010)
- h. Mercury (USEPA SW846 Method 7471)
- i. Chromium - trivalent and hexavalent (USEPA SW846 Method 7196)
- j. Cyanide (USEPA SW-846 Method 9014)
- k. Per- and Polyfluoroalkyl substances (USEPA Method 537.1), and 1,4-dioxane (USEPA Method SW-846 8270d SIM)
- l. Total organic carbon (USEPA SW 846 9060 Modified)

He does not have any bottles or a COC. Last second here. Would you be able to help us out on that? He should be there sometime around 12-1.

Thanks,

From: Jordan Hedvat <Jordan.Hedvat@alliancetg.com>
Sent: Wednesday, November 12, 2025 2:02 PM
Subject: Fw: Fill Material Samling - ENTACT

Incoming today ENTA05 - Q2511072

Regards,

Jordan



Jordan Hedvat
Account Executive, Environmental Laboratories
An Alliance Technical Group Company
Main: 908-789-8900
Direct: 908-728-3144
Address: 284 Sheffield St, Ste 1, Mountainside, NJ 07092
www.alliancetg.com

From: Nathan Bennett <nbennett@entact.com>
Sent: Wednesday, November 12, 2025 12:53 PM
To: Jordan Hedvat <Jordan.Hedvat@alliancetg.com>
Cc: Austin Farmerie <AFarmerie@entact.com>
Subject: RE: Fill Material Samling - ENTACT

EXTERNAL EMAIL - This email was sent by a person from outside your organization. Exercise caution when clicking links, opening attachments or taking further action, before validating its authenticity.

Secured by Check Point

Jordan-

As discussed, Austin, will be there within the hour with the material.

Project name will be Whittaker Coatings Site – E9125B.

Thanks,
Nate

From: Jordan Hedvat <Jordan.Hedvat@alliancetg.com>
Sent: Wednesday, November 12, 2025 1:08 PM
To: Nathan Bennett <nbennett@entact.com>
Cc: Austin Farmerie <AFarmerie@entact.com>
Subject: Re: Fill Material Samling - ENTACT

Hi Nathan,

No problem, please confirm this is a bottle order request?

Can you please provide project name so we can enter.

Regards,

Jordan



Jordan Hedvat
Account Executive, Environmental Laboratories
An Alliance Technical Group Company
Main: 908-789-8900
Direct: 908-728-3144
Address: 284 Sheffield St, Ste 1, Mountainside, NJ 07092
www.alliancetg.com

From: Nathan Bennett <nbennett@entact.com>
Sent: Wednesday, November 12, 2025 8:55 AM
To: Jordan Hedvat <jordan.hedvat@alliancetg.com>
Cc: Austin Farmerie <AFarmerie@entact.com>
Subject: Fill Material Samling - ENTACT

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Secured by Check Point

Jordan-

Austin, CC'd, is collecting 2 different fill sources that we will need to perform the following tests:

- a. Target Compound List (TCL) VOCs (USEPA SW 846 Method 8260)
- b. TCL SVOCs (USEPA SW-846 Method 8270)
- c. PCBs (USEPA SW-846 Method 8082)
- d. Extractable Petroleum Hydrocarbons (EPH) (NJDEP EPH Method Version 3.0)
- e. Pesticides (USEPA SW-846 Method 8081)
- f. Herbicides (USEPA SW-846 Method 8151)
- g. Target analyte list (TAL) metals (USEPA SW-846 Method 6010)
- h. Mercury (USEPA SW846 Method 7471)
- i. Chromium - trivalent and hexavalent (USEPA SW846 Method 7196)
- j. Cyanide (USEPA SW-846 Method 9014)
- k. Per- and Polyfluoroalkyl substances (USEPA Method 537.1), and 1,4-dioxane (USEPA Method SW-846 8270d SIM)
- l. Total organic carbon (USEPA SW 846 9060 Modified)

He does not have any bottles or a COC. Last second here. Would you be able to help us out on that? He should be there sometime around 12-1.

Thanks,

Nate Bennett
ENTACT, LLC
703 S. Elmer St. | Suite 117 | Sayre, PA 18840

Cell: 607.743.2666

nbennett@entact.com



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 : Q3618	ENTA05	Order Date : 11/12/2025 2:35:43 PM	Project Mgr :
Client Name : ENTACT		Project Name : Whittaker Coatings Site – E	Report Type : Level 1
Client Contact : Accounts Payable		Receive DateTime : 11/12/2025 2:25:00 PM	EDD Type : EXCEL NOCLEANUP
Invoice Name : ENTACT		Purchase Order :	Hard Copy Date :
Invoice Contact : Accounts Payable			Date Signoff :

LAB ID	CLIENT ID	MATRIX	SAMPLE DATE	SAMPLE TIME	TEST	TEST GROUP	METHOD	FAX DATE	DUE DATES
Q3618-01	EME-TOP-SOIL	Solid	11/12/2025	11:00 10:00	VOC-TCLVOA-10		8260D		5 Bus. Days
Q3618-02	EME-GENERAL-FILL	Solid	11/12/2025	11:00 10:15	VOC-TCLVOA-10		8260D		5 Bus. Days

Relinquished By :

Date / Time :



11-12-25

15:00

Received By :

Date / Time :



11/12/25

Storage Area : VOA Refridgerator Room

15:00