

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: Q3569
Client: Remington & Vernick Engineers
Contact: Kyle Carlson

OrderDate: 11/6/2025 3:21:00 PM
Project: Edison Landfill
Location: J22,VOA Lab

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q3569-01	MW-2	Water	SVOC-SIMGroup1	8270-Modified	11/05/25	11/11/25	11/12/25	11/06/25
Q3569-01DL	MW-2DL	Water	SVOC-SIMGroup1	8270-Modified	11/05/25	11/11/25	11/12/25	11/06/25
Q3569-02	MW-12	Water	SVOC-SIMGroup1	8270-Modified	11/05/25	11/11/25	11/12/25	11/06/25
Q3569-02DL	MW-12DL	Water	SVOC-SIMGroup1	8270-Modified	11/05/25	11/11/25	11/12/25	11/06/25



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

Hit Summary Sheet SW-846

SDG No.: Q3569
Client: Remington & Vernick Engineers

Sample ID	Client ID		Parameter	Concentration	C	MDL	RDL	Units
Client ID :	MW-2							
Q3569-01	MW-2	WATER	1,4-Dioxane	25.000	E	0.07	0.21	ug/L
			Total Svoc :			25.00		
			Total Concentration:			25.00		
Client ID :	MW-2DL							
Q3569-01DL	MW-2DL	WATER	1,4-Dioxane	28.400	D	0.69	2.1	ug/L
			Total Svoc :			28.40		
			Total Concentration:			28.40		
Client ID :	MW-12							
Q3569-02	MW-12	WATER	1,4-Dioxane	79.300	E	0.07	0.2	ug/L
			Total Svoc :			79.30		
			Total Concentration:			79.30		
Client ID :	MW-12DL							
Q3569-02DL	MW-12DL	WATER	1,4-Dioxane	96.400	D	2.7	8.2	ug/L
			Total Svoc :			96.40		
			Total Concentration:			96.40		



QC SUMMARY

Surrogate Summary

SW-846

SDG No.: Q3569

Client: Remington & Vernick Engineers

Analytical Method: 8270-Modified

Lab Sample ID	Client ID	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%)	
							Low	High
PB170483BL	PB170483BL	2-Methylnaphthalene-d10	0.4	0.35	87		30 (47)	150 (106)
		Fluoranthene-d10	0.4	0.34	86		30 (54)	150 (157)
		Nitrobenzene-d5	0.4	0.37	92		30 (56)	130 (116)
		2-Fluorobiphenyl	0.4	0.37	92		30 (50)	130 (126)
		Terphenyl-d14	0.4	0.46	116		30 (54)	130 (175)
PB170483BS	PB170483BS	2-Methylnaphthalene-d10	0.4	0.36	91		30 (47)	150 (106)
		Fluoranthene-d10	0.4	0.33	83		30 (54)	150 (157)
		Nitrobenzene-d5	0.4	0.37	93		30 (56)	130 (116)
		2-Fluorobiphenyl	0.4	0.37	93		30 (50)	130 (126)
		Terphenyl-d14	0.4	0.43	108		30 (54)	130 (175)
PB170483BSD	PB170483BSD	2-Methylnaphthalene-d10	0.4	0.37	93		30 (47)	150 (106)
		Fluoranthene-d10	0.4	0.28	69		30 (54)	150 (157)
		Nitrobenzene-d5	0.4	0.36	90		30 (56)	130 (116)
		2-Fluorobiphenyl	0.4	0.38	95		30 (50)	130 (126)
		Terphenyl-d14	0.4	0.41	101		30 (54)	130 (175)
Q3569-01	MW-2	2-Methylnaphthalene-d10	0.4	0.41	102		30 (47)	150 (106)
		Fluoranthene-d10	0.4	0.33	83		30 (54)	150 (157)
		Nitrobenzene-d5	0.4	0.33	83		30 (56)	130 (116)
		2-Fluorobiphenyl	0.4	0.30	74		30 (50)	130 (126)
		Terphenyl-d14	0.4	0.59	146	*	30 (54)	130 (175)
Q3569-01DL	MW-2DL	2-Methylnaphthalene-d10	0.4	0.32	80		30 (47)	150 (106)
		Fluoranthene-d10	0.4	0.35	88		30 (54)	150 (157)
		Nitrobenzene-d5	0.4	0.33	83		30 (56)	130 (116)
		2-Fluorobiphenyl	0.4	0.40	100		30 (50)	130 (126)
		Terphenyl-d14	0.4	0.62	155	*	30 (54)	130 (175)
Q3569-02	MW-12	2-Methylnaphthalene-d10	0.4	0.35	86		30 (47)	150 (106)
		Fluoranthene-d10	0.4	0.32	79		30 (54)	150 (157)
		Nitrobenzene-d5	0.4	0.42	105		30 (56)	130 (116)
		2-Fluorobiphenyl	0.4	0.22	54		30 (50)	130 (126)
		Terphenyl-d14	0.4	0.57	142	*	30 (54)	130 (175)
Q3569-02DL	MW-12DL	2-Methylnaphthalene-d10	0.4	0.36	90		30 (47)	150 (106)
		Fluoranthene-d10	0.4	0.36	90		30 (54)	150 (157)
		Nitrobenzene-d5	0.4	0.60	150	*	30 (56)	130 (116)
		2-Fluorobiphenyl	0.4	0.52	130		30 (50)	130 (126)
		Terphenyl-d14	0.4	0.76	190	*	30 (54)	130 (175)

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q3569

Analytical Method: 8270-Modified

Client: Remington & Vernick Engineers

DataFile: BN038185.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD	Limits		RPD
								Qual	Low	High	
PB170483BS	1,4-Dioxane	0.4	0.32	ug/L	80				20 (65)	160 (116)	

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q3569

Analytical Method: 8270-Modified

Client: Remington & Vernick Engineers

DataFile: BN038186.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD	Limits		
								Qual	Low	High	RPD
PB170483BSD	1,4-Dioxane	0.4	0.31	ug/L	78	3			20 (65)	160 (116)	20 (27)

4B

SEMIVOLATILE METHOD BLANK SUMMARY

Client ID

PB170483BL

Lab Name: Alliance

Contract: REMI02

Lab Code: ACE

SDG NO.: Q3569

Lab File ID: BN038184.D

Lab Sample ID: PB170483BL

Instrument ID: BNA_N

Date Extracted: 11/11/2025

Matrix: (soil/water) Water

Date Analyzed: 11/12/2025

Level: (low/med) LOW

Time Analyzed: 10:07

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
PB170483BS	PB170483BS	BN038185.D	11/12/2025
PB170483BSD	PB170483BSD	BN038186.D	11/12/2025
MW-12	Q3569-02	BN038187.D	11/12/2025
MW-2	Q3569-01	BN038189.D	11/12/2025

COMMENTS: _____



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5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

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

Contract: REMI02
SDG NO.: Q3569
DFTPP Injection Date: 10/28/2025
DFTPP Injection Time: 12:05

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

1-Value is % mass 69

2-Value is % mass 442

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

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



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5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: Alliance
Lab Code: ACE
Lab File ID: BN038182.D
Instrument ID: BNA_N

Contract: REMI02
SDG NO.: Q3569
DFTPP Injection Date: 11/12/2025
DFTPP Injection Time: 08:52

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
68	Less than 2.0% of mass 69	0.7 (1.9) 1
69	Mass 69 relative abundance	37.8
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	7.1
365	Greater than 1% of mass 198	3.5
441	Present, but less than mass 443	13.1
442	Greater than 50% of mass 198	84.1
443	15.0 - 24.0% of mass 442	15.7 (18.6) 2

1-Value is % mass 69

2-Value is % mass 442

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
SSTDCCC0.4	SSTDCCC0.4	BN038183.D	11/12/2025	09:31
PB170483BL	PB170483BL	BN038184.D	11/12/2025	10:07
PB170483BS	PB170483BS	BN038185.D	11/12/2025	10:44
PB170483BSD	PB170483BSD	BN038186.D	11/12/2025	11:20
MW-12	Q3569-02	BN038187.D	11/12/2025	11:56
MW-2	Q3569-01	BN038189.D	11/12/2025	13:09
MW-12DL	Q3569-02DL	BN038194.D	11/12/2025	16:11
MW-2DL	Q3569-01DL	BN038195.D	11/12/2025	16:47

8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Alliance

Lab Code: ACE

SDG NO.: Q3569

Client ID : SSTDCCC0.4

Date Analyzed: 11/12/2025

Lab File ID: BN038183.D

Time Analyzed: 09:31

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	9292	7.768	28984	10.57	16601	14.43
UPPER LIMIT	18584	8.268	57968	11.073	33202	14.93
LOWER LIMIT	4646	7.268	14492	10.073	8300.5	13.93
EPA SAMPLE NO.						
01 PB170483BL	9479	7.77	27842	10.57	15234	14.43
02 PB170483BS	11079	7.77	33638	10.57	18281	14.43
03 PB170483BSD	9171	7.78	26214	10.57	13453	14.43
04 MW-2	8899	7.77	29516	10.57	20929	14.43
05 MW-12	9896	7.77	33487	10.57	32721	14.43
06 MW-2DL	7979	7.78	25314	10.57	14740	14.43
07 MW-12DL	7912	7.78	24631	10.57	14683	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.: Q3569

Client ID: SSTDCCC0.4

Date Analyzed: 11/12/2025

Lab File ID: BN038183.D

Time Analyzed: 09:31

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	31060	17.186	20792	21.375	18070	23.683
	UPPER LIMIT	62120	17.686	41584	21.875	36140	24.183
	LOWER LIMIT	15530	16.686	10396	20.875	9035	23.183
	EPA SAMPLE NO.						
01	PB170483BL	28458	17.19	18990	21.38	17381	23.69
02	PB170483BS	33841	17.19	23862	21.38	21641	23.68
03	PB170483BSD	20310	17.19	12107	21.38	12660	23.68
04	MW-2	33471	17.19	18239	21.38	16867	23.68
05	MW-12	32892	17.19	18590	21.38	18643	23.68
06	MW-2DL	25439	17.19	15077	21.38	14508	23.68
07	MW-12DL	26976	17.19	14468	21.38	13395	23.68

IS4 (PHN) = Phenanthrene-d10

IS5 (CRY) = Chrysene-d12

IS6 (PRY) = Perylene-d12

AREA UPPER LIMIT = +100% of internal standard area

AREA LOWER LIMIT = -50% of internal standard area

RT UPPER LIMIT = +0.50 minutes of internal standard RT

RT UPPER LIMIT = -0.50 minutes of internal standard RT

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

* Values outside of QC limits.



SAMPLE DATA



284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
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Report of Analysis

Client:	Remington & Vernick Engineers		Date Collected:	11/05/25
Project:	Edison Landfill		Date Received:	11/06/25
Client Sample ID:	MW-2		SDG No.:	Q3569
Lab Sample ID:	Q3569-01		Matrix:	Water
Analytical Method:	SW8270ESIM	Level: LOW	% Solid:	0
Sample Wt/Vol:	950 mL	Final Vol: 1000 uL	Test:	SVOC-SIMGroup1
Prep Method :	3510C	Prep Date: 11/11/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
TARGETS									
123-91-1	1,4-Dioxane	25.0	E	1	0.070	0.21	ug/L	11/12/25 13:09	PB170483
SURROGATES									
7297-45-2	2-Methylnaphthalene-d10	0.41			30 (47) - 150 (106)	102%	SPK: 0.4		
93951-69-0	Fluoranthene-d10	0.33			30 (54) - 150 (157)	83%	SPK: 0.4		
4165-60-0	Nitrobenzene-d5	0.33			30 (56) - 130 (116)	83%	SPK: 0.4		
321-60-8	2-Fluorobiphenyl	0.30			30 (50) - 130 (126)	74%	SPK: 0.4		
1718-51-0	Terphenyl-d14	0.59	*		30 (54) - 130 (175)	146%	SPK: 0.4		
INTERNAL STANDARDS		Area Count							
3855-82-1	1,4-Dichlorobenzene-d4	8900							
1146-65-2	Naphthalene-d8	29500							
15067-26-2	Acenaphthene-d10	20900							
1517-22-2	Phenanthrene-d10	33500							
1719-03-5	Chrysene-d12	18200							
1520-96-3	Perylene-d12	16900							

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN111225\
 Data File : BN038189.D
 Acq On : 12 Nov 2025 13:09
 Operator : RC/JU
 Sample : Q3569-01
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 MW-2

Quant Time: Nov 12 13:33:19 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN102825.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Oct 29 13:09:46 2025
 Response via : Initial Calibration

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

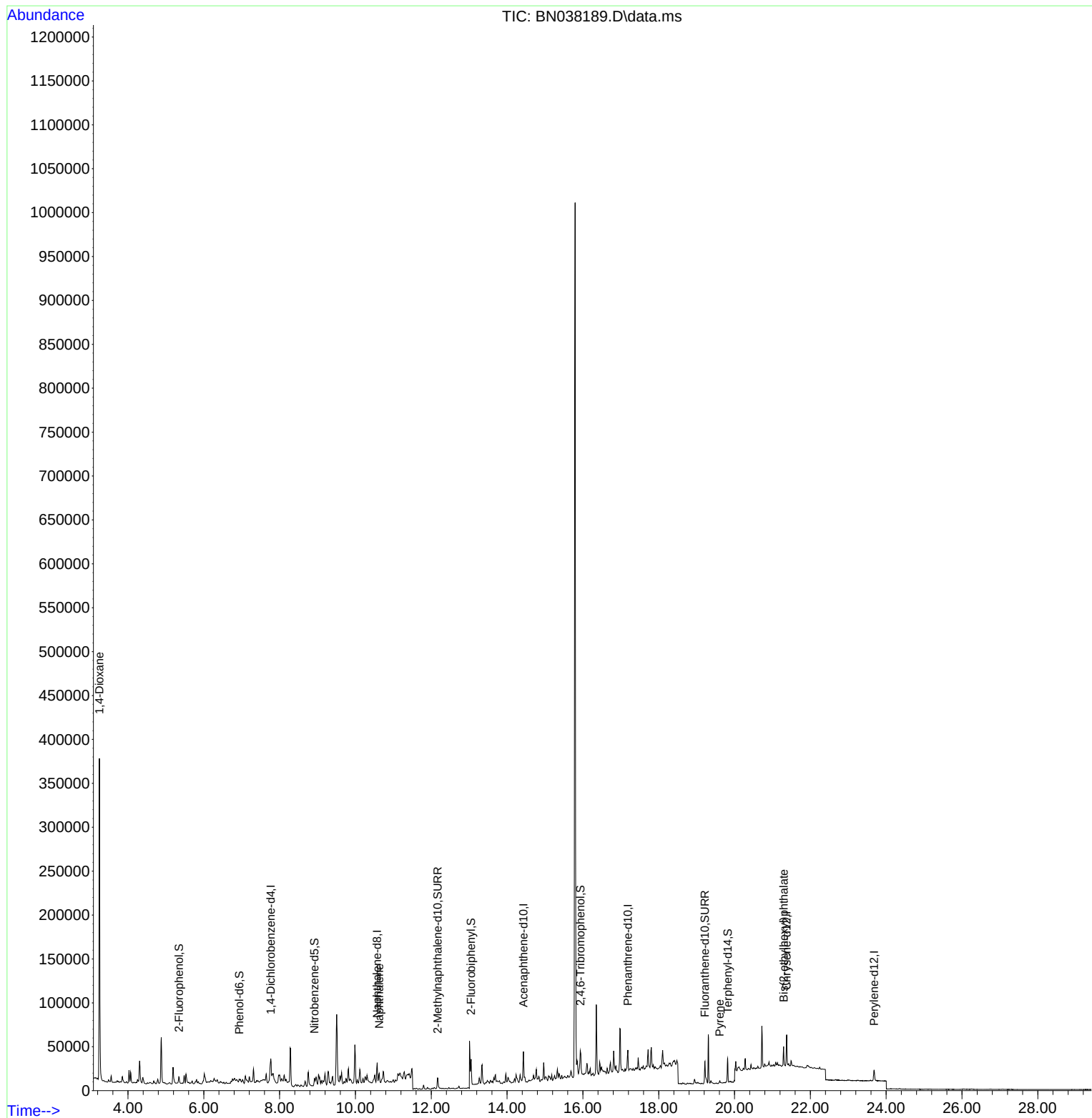
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.768	152	8899	0.400	ng	0.00
7) Naphthalene-d8	10.573	136	29516	0.400	ng	# 0.00
13) Acenaphthene-d10	14.430	164	20929	0.400	ng	0.00
19) Phenanthrene-d10	17.186	188	33471	0.400	ng	# 0.00
29) Chrysene-d12	21.375	240	18239	0.400	ng	# 0.00
35) Perylene-d12	23.683	264	16867	0.400	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.348	112	4410	0.210	ng	0.00
5) Phenol-d6	6.937	99	3293	0.129	ng	0.00
8) Nitrobenzene-d5	8.918	82	7960	0.334	ng	-0.01
11) 2-Methylnaphthalene-d10	12.167	152	17137	0.407	ng	-0.01
14) 2,4,6-Tribromophenol	15.932	330	3777	0.438	ng	0.00
15) 2-Fluorobiphenyl	13.051	172	24835	0.296	ng	0.00
27) Fluoranthene-d10	19.220	212	27834	0.330	ng	0.00
31) Terphenyl-d14	19.819	244	23192	0.585	ng	0.00
Target Compounds						
2) 1,4-Dioxane	3.247	88	218035	23.713	ng	Qvalue 99
9) Naphthalene	10.626	128	13729	0.169	ng	95
30) Pyrene	19.610	202	2301	0.028	ng	# 63
34) Bis(2-ethylhexyl)phtha...	21.295	149	19975	0.583	ng	98

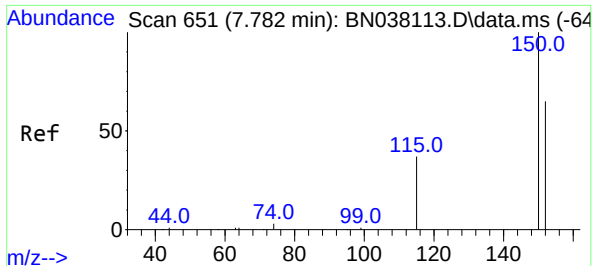
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN111225\
Data File : BN038189.D
Acq On : 12 Nov 2025 13:09
Operator : RC/JU
Sample : Q3569-01
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
MW-2

Quant Time: Nov 12 13:33:19 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN102825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Oct 29 13:09:46 2025
Response via : Initial Calibration

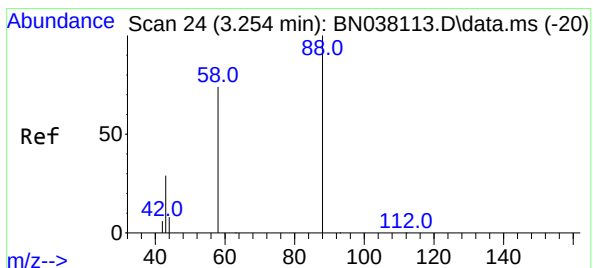
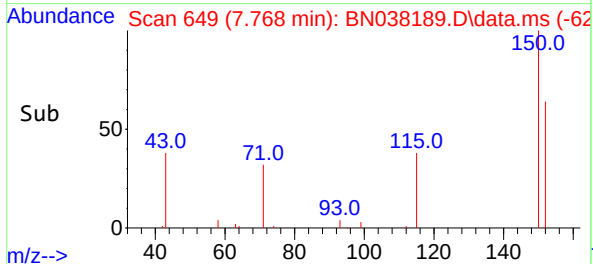
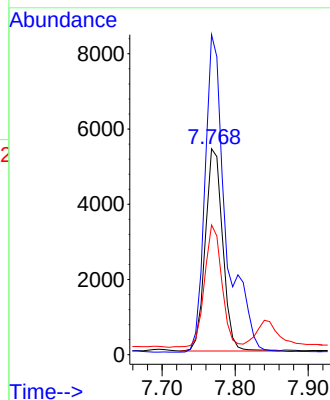
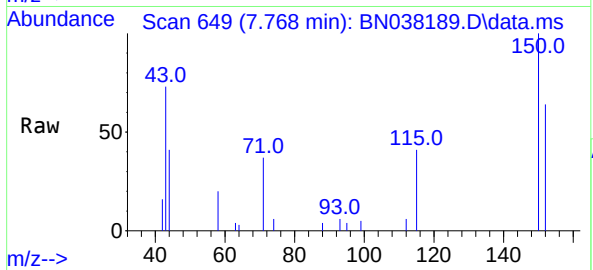




#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.768 min Scan# 64
Delta R.T. -0.007 min
Lab File: BN038189.D
Acq: 12 Nov 2025 13:09

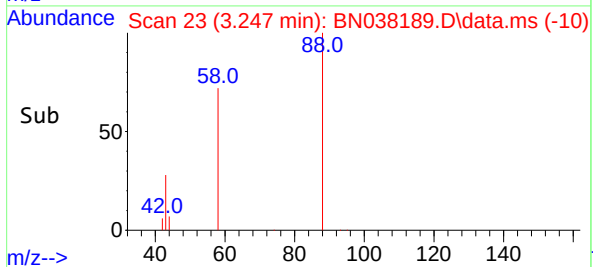
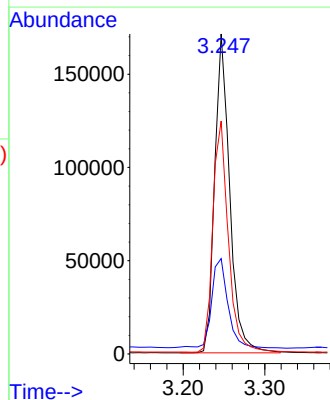
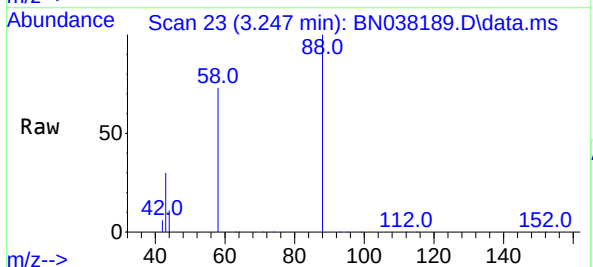
Instrument :
BNA_N
ClientSampleId :
MW-2

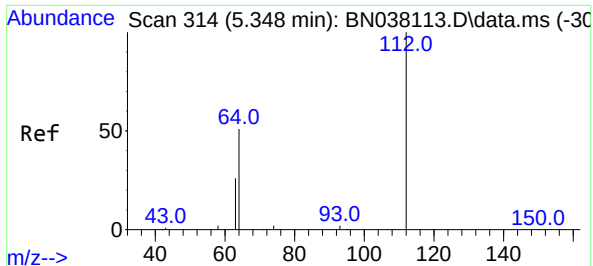
Tgt Ion:152 Resp: 8899
Ion Ratio Lower Upper
152 100
150 155.4 122.3 183.5
115 63.0 47.4 71.0



#2
1,4-Dioxane
Concen: 23.713 ng
RT: 3.247 min Scan# 23
Delta R.T. -0.007 min
Lab File: BN038189.D
Acq: 12 Nov 2025 13:09

Tgt Ion: 88 Resp: 218035
Ion Ratio Lower Upper
88 100
43 30.5 24.3 36.5
58 74.8 60.4 90.6

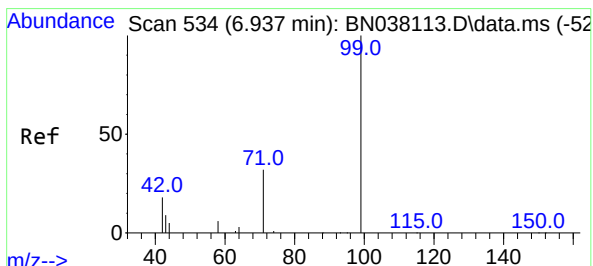
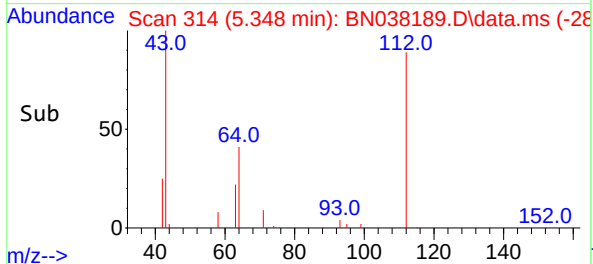
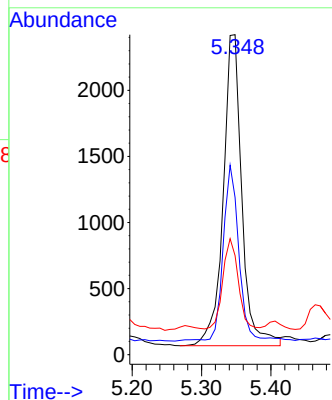
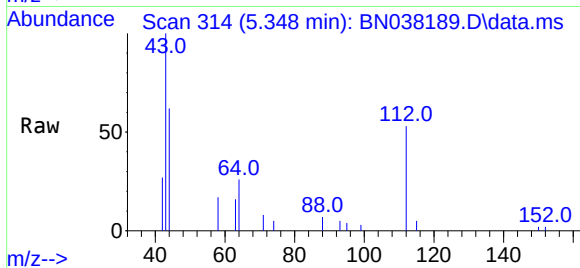




#4
2-Fluorophenol
Concen: 0.210 ng
RT: 5.348 min Scan# 314
Delta R.T. -0.000 min
Lab File: BN038189.D
Acq: 12 Nov 2025 13:09

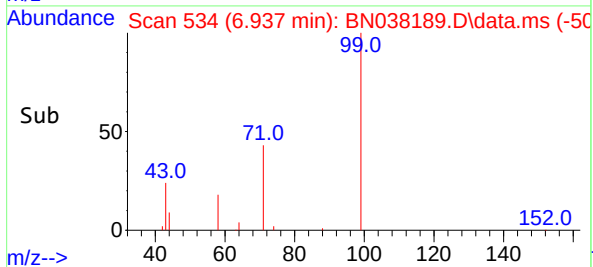
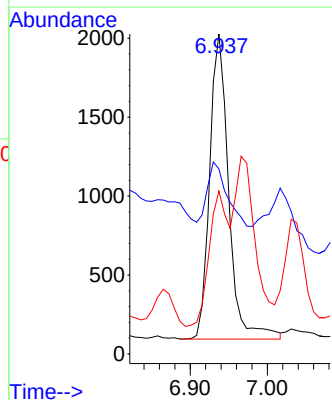
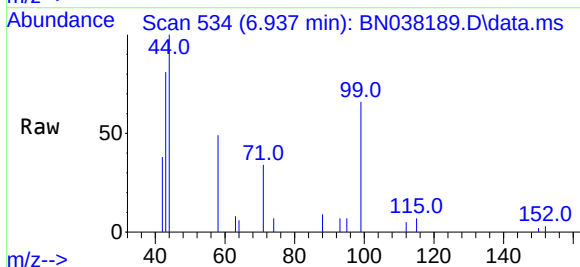
Instrument :
BNA_N
ClientSampleId :
MW-2

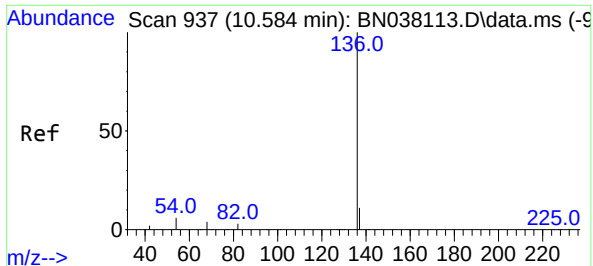
Tgt Ion:112 Resp: 4410
Ion Ratio Lower Upper
112 100
64 47.8 45.4 68.0
63 24.8 23.2 34.8



#5
Phenol-d6
Concen: 0.129 ng
RT: 6.937 min Scan# 534
Delta R.T. -0.000 min
Lab File: BN038189.D
Acq: 12 Nov 2025 13:09

Tgt Ion: 99 Resp: 3293
Ion Ratio Lower Upper
99 100
42 25.8 16.6 24.8#
71 45.8 25.4 38.2#

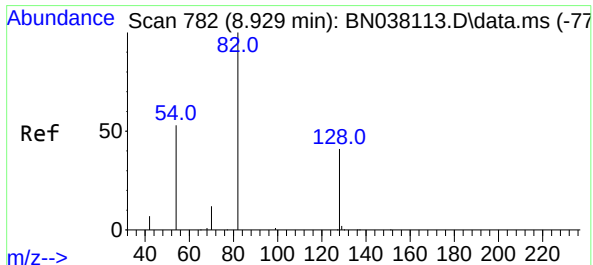
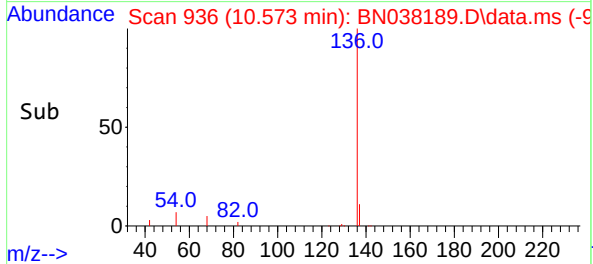
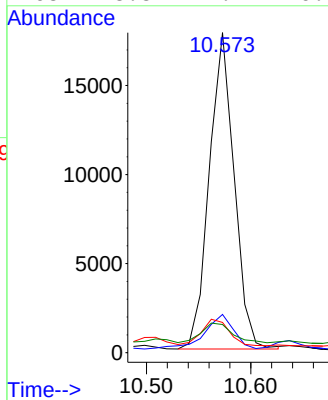
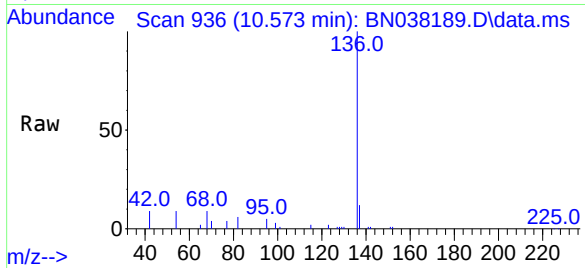




#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.573 min Scan# 91
Delta R.T. -0.000 min
Lab File: BN038189.D
Acq: 12 Nov 2025 13:09

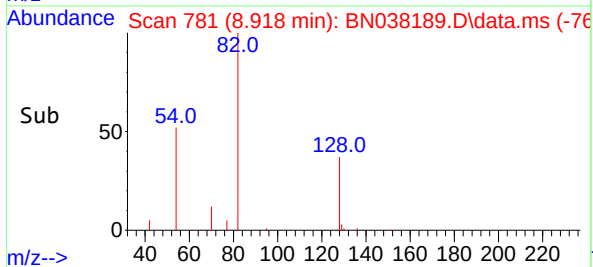
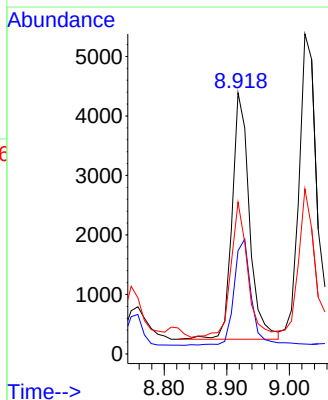
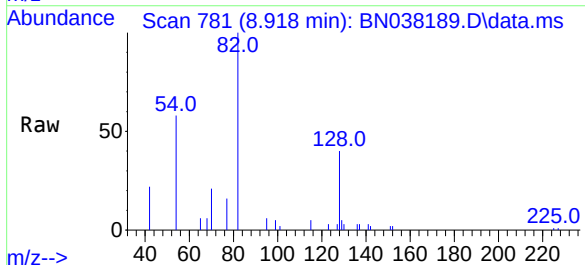
Instrument :
BNA_N
ClientSampleId :
MW-2

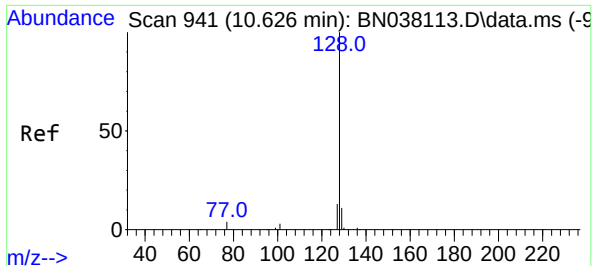
Tgt Ion:136 Resp: 29516
Ion Ratio Lower Upper
136 100
137 11.9 9.0 13.4
54 9.5 5.2 7.8#
68 8.8 4.1 6.1#



#8
Nitrobenzene-d5
Concen: 0.334 ng
RT: 8.918 min Scan# 781
Delta R.T. -0.011 min
Lab File: BN038189.D
Acq: 12 Nov 2025 13:09

Tgt Ion: 82 Resp: 7960
Ion Ratio Lower Upper
82 100
128 39.5 34.1 51.1
54 58.2 43.5 65.3

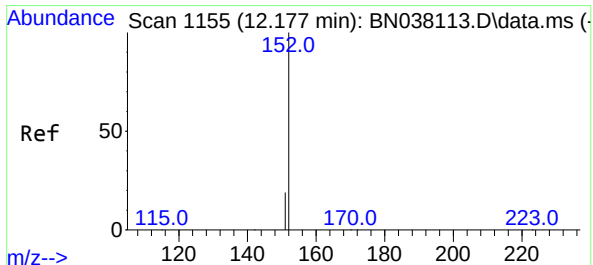
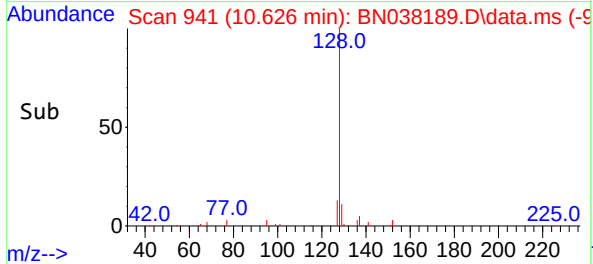
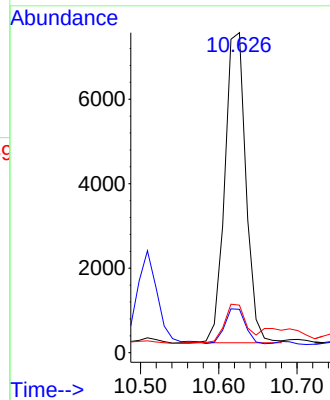
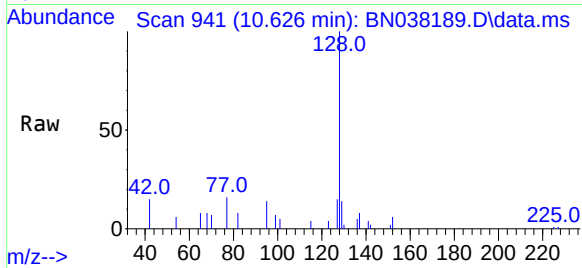




#9
Naphthalene
Concen: 0.169 ng
RT: 10.626 min Scan# 941
Delta R.T. -0.000 min
Lab File: BN038189.D
Acq: 12 Nov 2025 13:09

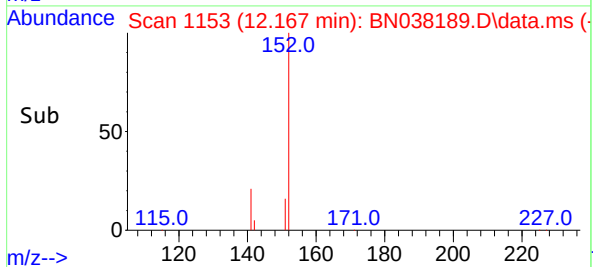
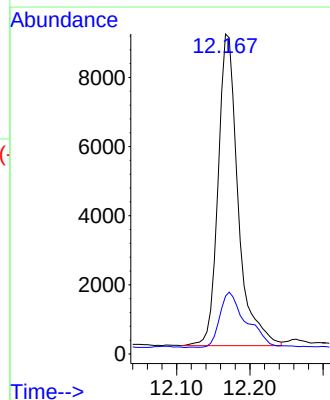
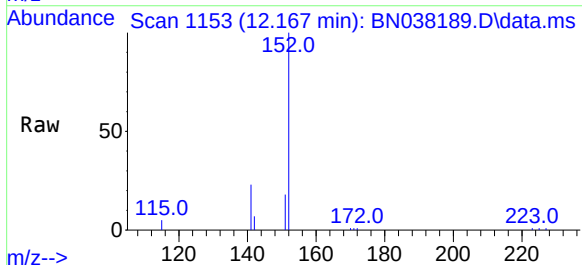
Instrument :
BNA_N
ClientSampleId :
MW-2

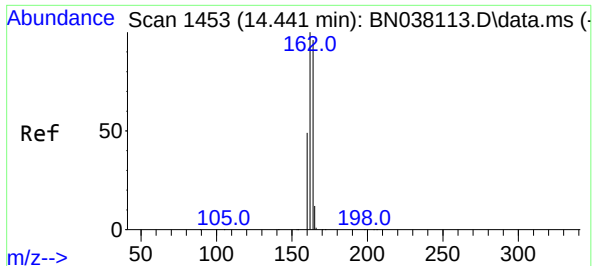
Tgt Ion:128 Resp: 13729
Ion Ratio Lower Upper
128 100
129 13.5 9.1 13.7
127 14.9 10.5 15.7



#11
2-Methylnaphthalene-d10
Concen: 0.407 ng
RT: 12.167 min Scan# 1153
Delta R.T. -0.010 min
Lab File: BN038189.D
Acq: 12 Nov 2025 13:09

Tgt Ion:152 Resp: 17137
Ion Ratio Lower Upper
152 100
151 23.5 16.8 25.2

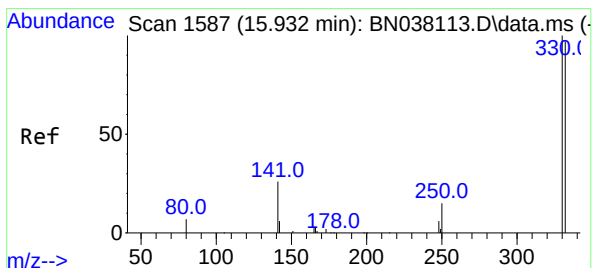
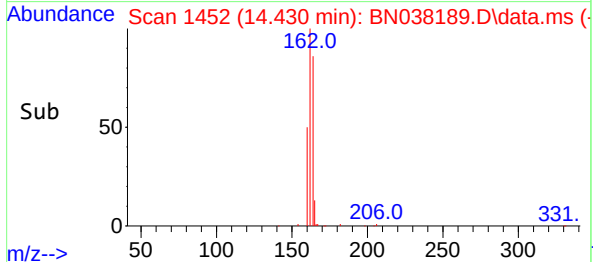
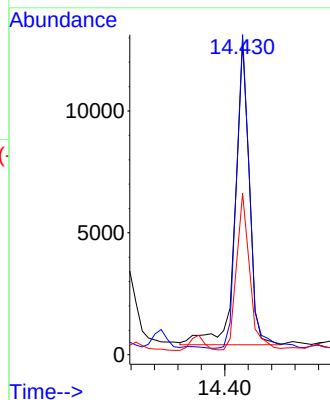
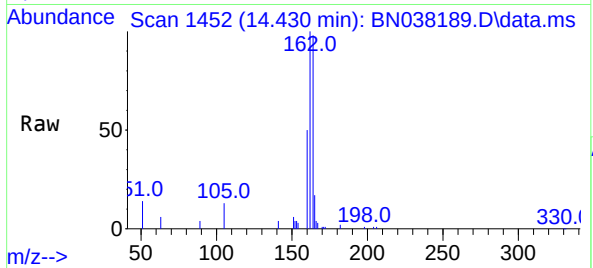




#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.430 min Scan# 1453
Delta R.T. -0.000 min
Lab File: BN038189.D
Acq: 12 Nov 2025 13:09

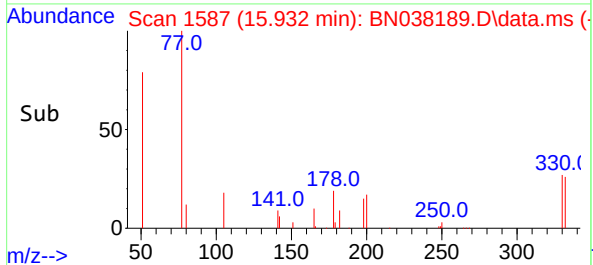
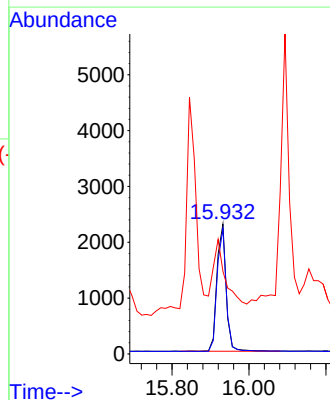
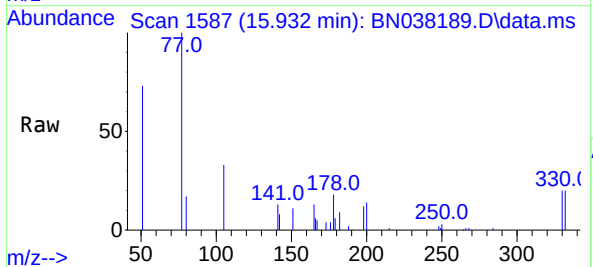
Instrument :
BNA_N
ClientSampleId :
MW-2

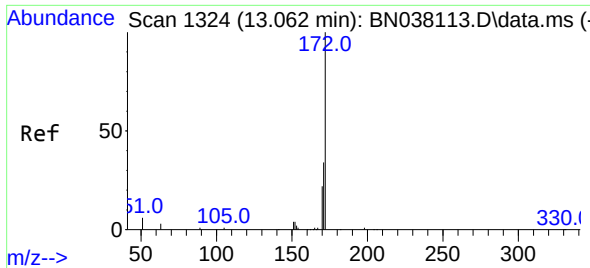
Tgt Ion:164 Resp: 20929
Ion Ratio Lower Upper
164 100
162 102.1 83.0 124.4
160 51.5 40.7 61.1



#14
2,4,6-Tribromophenol
Concen: 0.438 ng
RT: 15.932 min Scan# 1587
Delta R.T. 0.000 min
Lab File: BN038189.D
Acq: 12 Nov 2025 13:09

Tgt Ion:330 Resp: 3777
Ion Ratio Lower Upper
330 100
332 95.7 76.6 114.8
141 64.8 34.1 51.1#

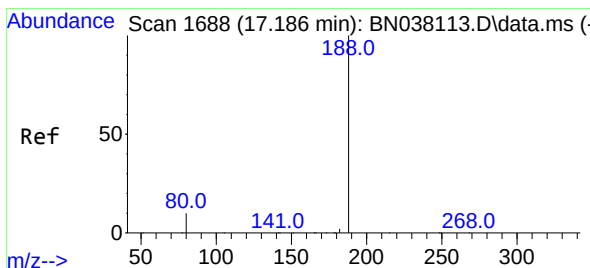
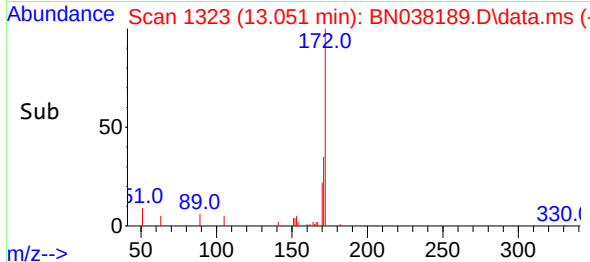
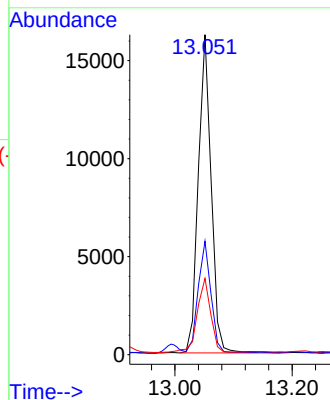
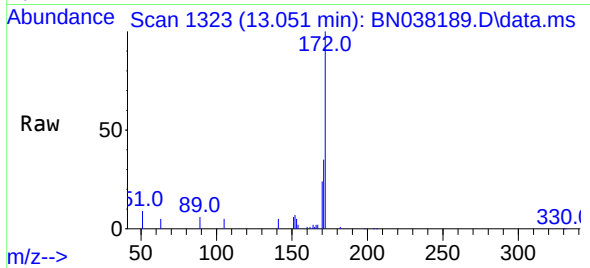




#15
2-Fluorobiphenyl
Concen: 0.296 ng
RT: 13.051 min Scan# 11
Delta R.T. -0.000 min
Lab File: BN038189.D
Acq: 12 Nov 2025 13:09

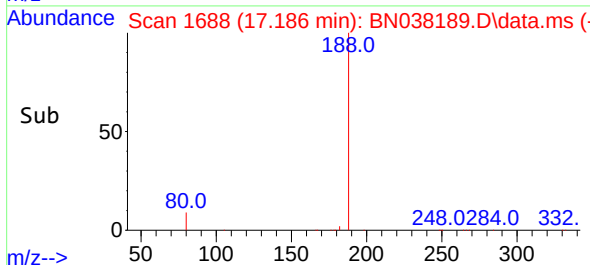
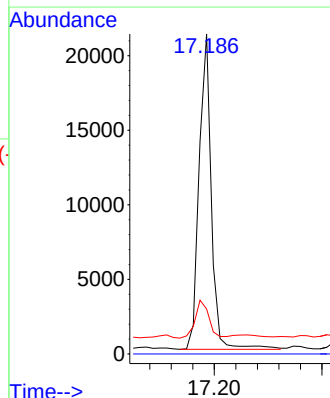
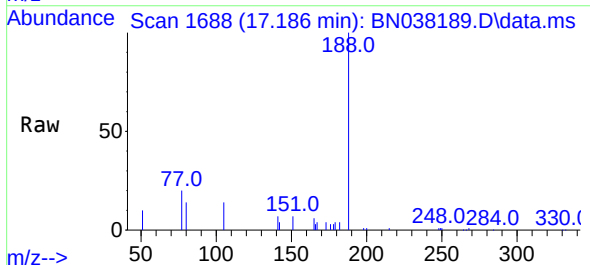
Instrument :
BNA_N
ClientSampleId :
MW-2

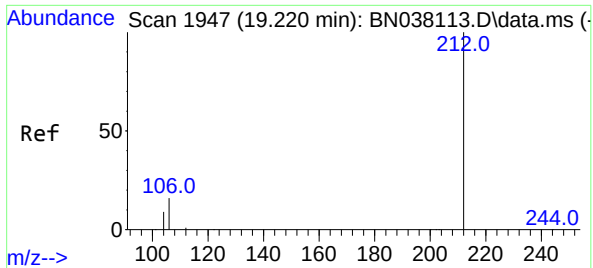
Tgt Ion:172 Resp: 24835
Ion Ratio Lower Upper
172 100
171 35.5 27.8 41.6
170 23.8 18.1 27.1



#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.186 min Scan# 1688
Delta R.T. -0.000 min
Lab File: BN038189.D
Acq: 12 Nov 2025 13:09

Tgt Ion:188 Resp: 33471
Ion Ratio Lower Upper
188 100
94 0.0 0.0 0.0
80 14.1 8.6 13.0#





#27

Fluoranthene-d10

Concen: 0.330 ng

RT: 19.220 min Scan# 1947

Delta R.T. -0.000 min

Lab File: BN038189.D

Acq: 12 Nov 2025 13:09

Instrument :

BNA_N

ClientSampleId :

MW-2

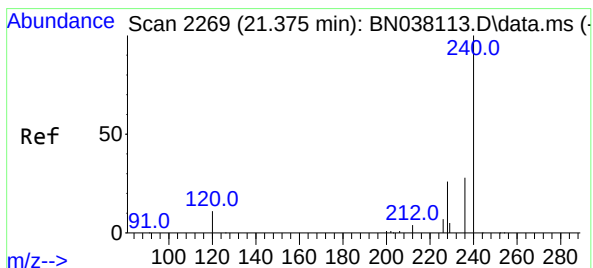
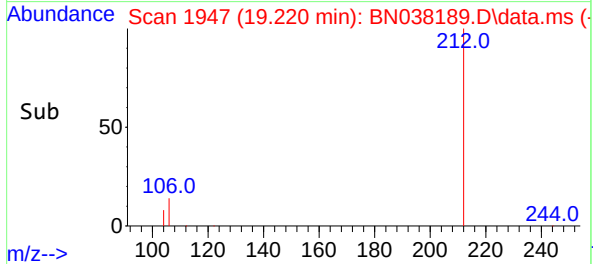
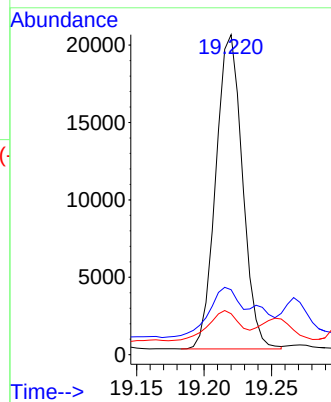
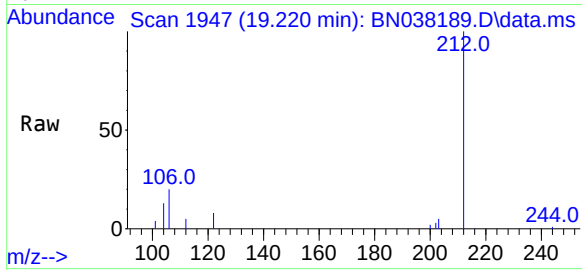
Tgt Ion:212 Resp: 27834

Ion Ratio Lower Upper

212 100

106 20.4 12.6 19.0#

104 11.4 7.1 10.7#



#29

Chrysene-d12

Concen: 0.400 ng

RT: 21.375 min Scan# 2269

Delta R.T. -0.000 min

Lab File: BN038189.D

Acq: 12 Nov 2025 13:09

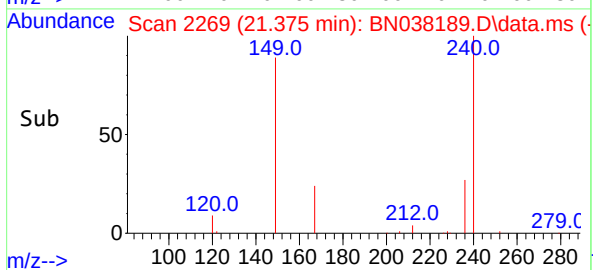
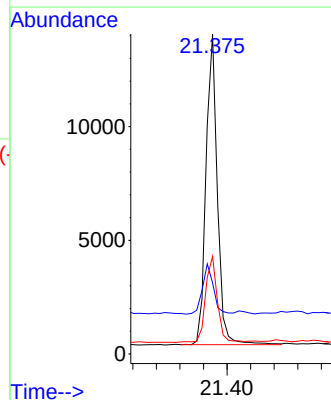
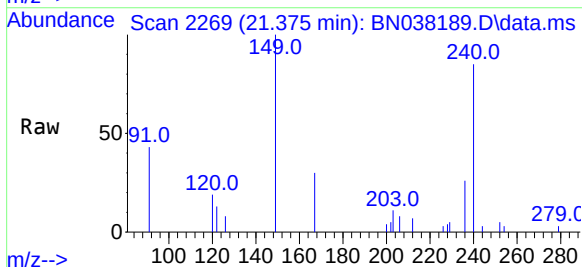
Tgt Ion:240 Resp: 18239

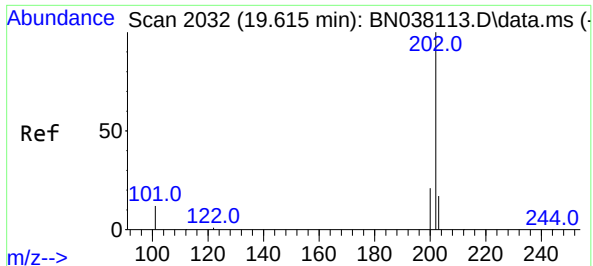
Ion Ratio Lower Upper

240 100

120 22.2 10.7 16.1#

236 30.5 23.1 34.7

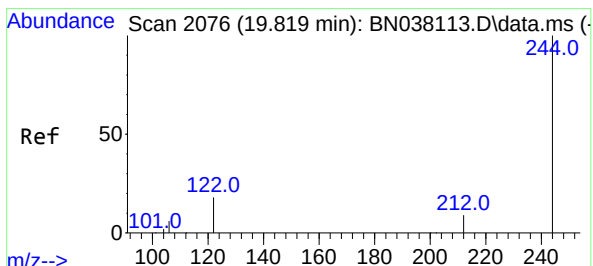
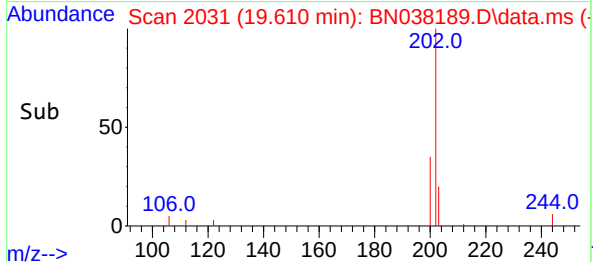
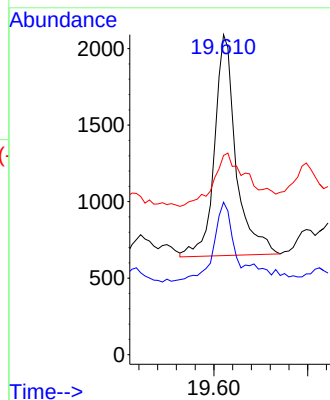
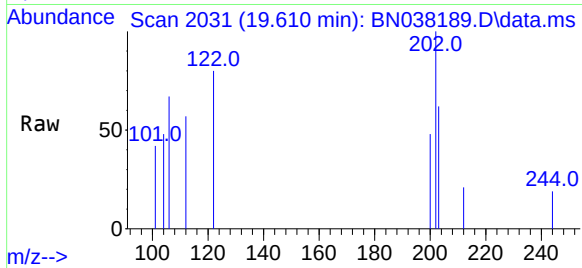




#30
Pyrene
Concen: 0.028 ng
RT: 19.610 min Scan# 2031
Delta R.T. -0.000 min
Lab File: BN038189.D
Acq: 12 Nov 2025 13:09

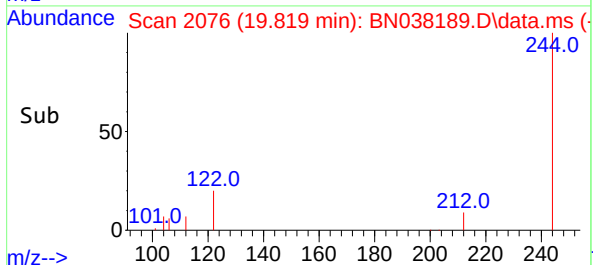
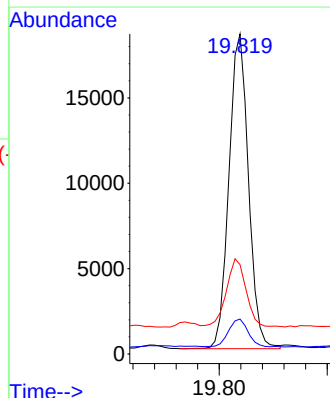
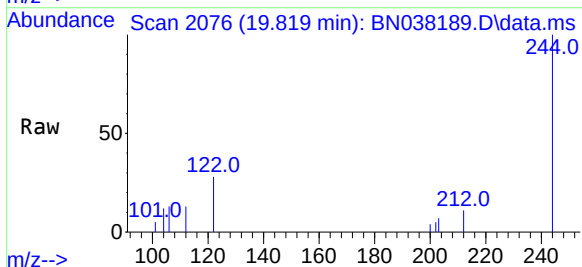
Instrument :
BNA_N
ClientSampleId :
MW-2

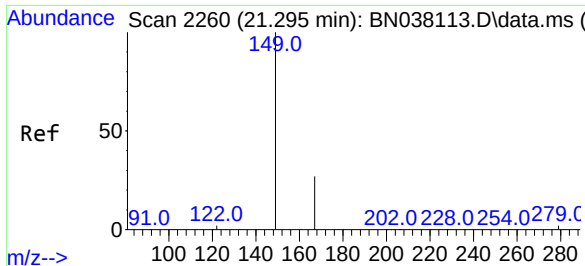
Tgt Ion:202 Resp: 2301
Ion Ratio Lower Upper
202 100
200 32.8 16.7 25.1#
203 39.9 14.2 21.2#



#31
Terphenyl-d14
Concen: 0.585 ng
RT: 19.819 min Scan# 2076
Delta R.T. -0.000 min
Lab File: BN038189.D
Acq: 12 Nov 2025 13:09

Tgt Ion:244 Resp: 23192
Ion Ratio Lower Upper
244 100
212 10.9 7.8 11.6
122 27.9 15.2 22.8#

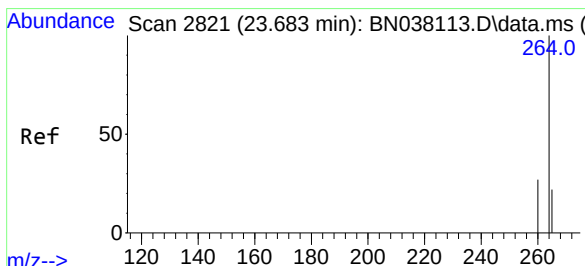
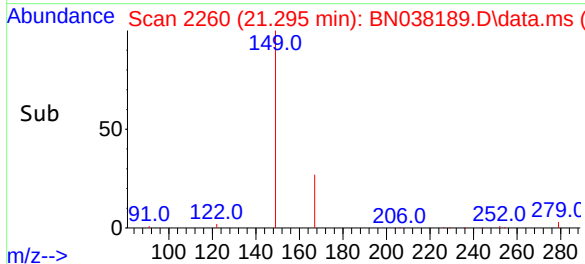
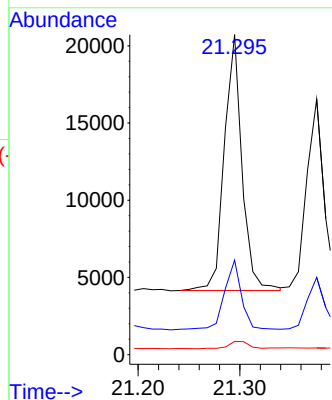
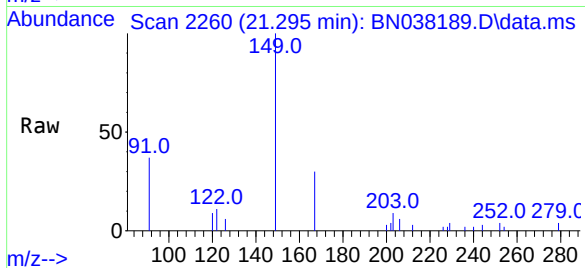




#34
Bis(2-ethylhexyl)phthalate
Concen: 0.583 ng
RT: 21.295 min Scan# 21
Delta R.T. -0.000 min
Lab File: BN038189.D
Acq: 12 Nov 2025 13:09

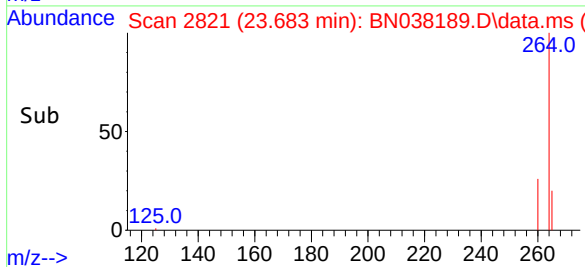
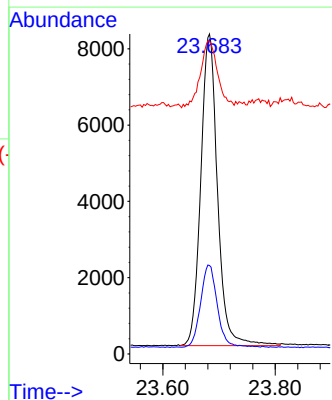
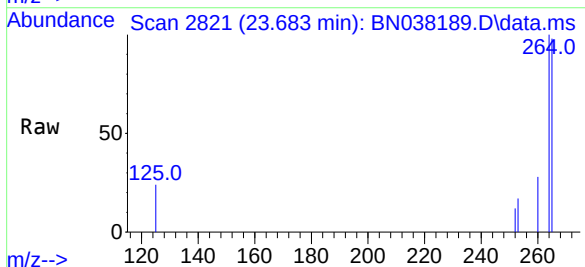
Instrument :
BNA_N
ClientSampleId :
MW-2

Tgt Ion:149 Resp: 19975
Ion Ratio Lower Upper
149 100
167 25.2 21.1 31.7
279 3.4 2.9 4.3



#35
Perylene-d12
Concen: 0.400 ng
RT: 23.683 min Scan# 2821
Delta R.T. 0.003 min
Lab File: BN038189.D
Acq: 12 Nov 2025 13:09

Tgt Ion:264 Resp: 16867
Ion Ratio Lower Upper
264 100
260 27.6 21.8 32.8
265 97.7 68.6 102.8





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

Report of Analysis

Client:	Remington & Vernick Engineers		Date Collected:	11/05/25
Project:	Edison Landfill		Date Received:	11/06/25
Client Sample ID:	MW-2DL		SDG No.:	Q3569
Lab Sample ID:	Q3569-01DL		Matrix:	Water
Analytical Method:	SW8270ESIM	Level: LOW	% Solid:	0
Sample Wt/Vol:	950 mL	Final Vol: 1000 uL	Test:	SVOC-SIMGroup1
Prep Method :	3510C	Prep Date: 11/11/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
TARGETS									
123-91-1	1,4-Dioxane	28.4	D	10	0.69	2.10	ug/L	11/12/25 16:47	PB170483
SURROGATES									
7297-45-2	2-Methylnaphthalene-d10	0.32			30 (47) - 150 (106)	80%	SPK: 0.4		
93951-69-0	Fluoranthene-d10	0.35			30 (54) - 150 (157)	88%	SPK: 0.4		
4165-60-0	Nitrobenzene-d5	0.33			30 (56) - 130 (116)	83%	SPK: 0.4		
321-60-8	2-Fluorobiphenyl	0.40			30 (50) - 130 (126)	100%	SPK: 0.4		
1718-51-0	Terphenyl-d14	0.62	*		30 (54) - 130 (175)	155%	SPK: 0.4		
INTERNAL STANDARDS		Area Count							
3855-82-1	1,4-Dichlorobenzene-d4	7980							
1146-65-2	Naphthalene-d8	25300							
15067-26-2	Acenaphthene-d10	14700							
1517-22-2	Phenanthrene-d10	25400							
1719-03-5	Chrysene-d12	15100							
1520-96-3	Perylene-d12	14500							

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\BN111225\
 Data File : BN038195.D
 Acq On : 12 Nov 2025 16:47
 Operator : RC/JU
 Sample : Q3569-01DL 10X
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 MW-2DL

Quant Time: Nov 12 17:11:28 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN102825.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Oct 29 13:09:46 2025
 Response via : Initial Calibration

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

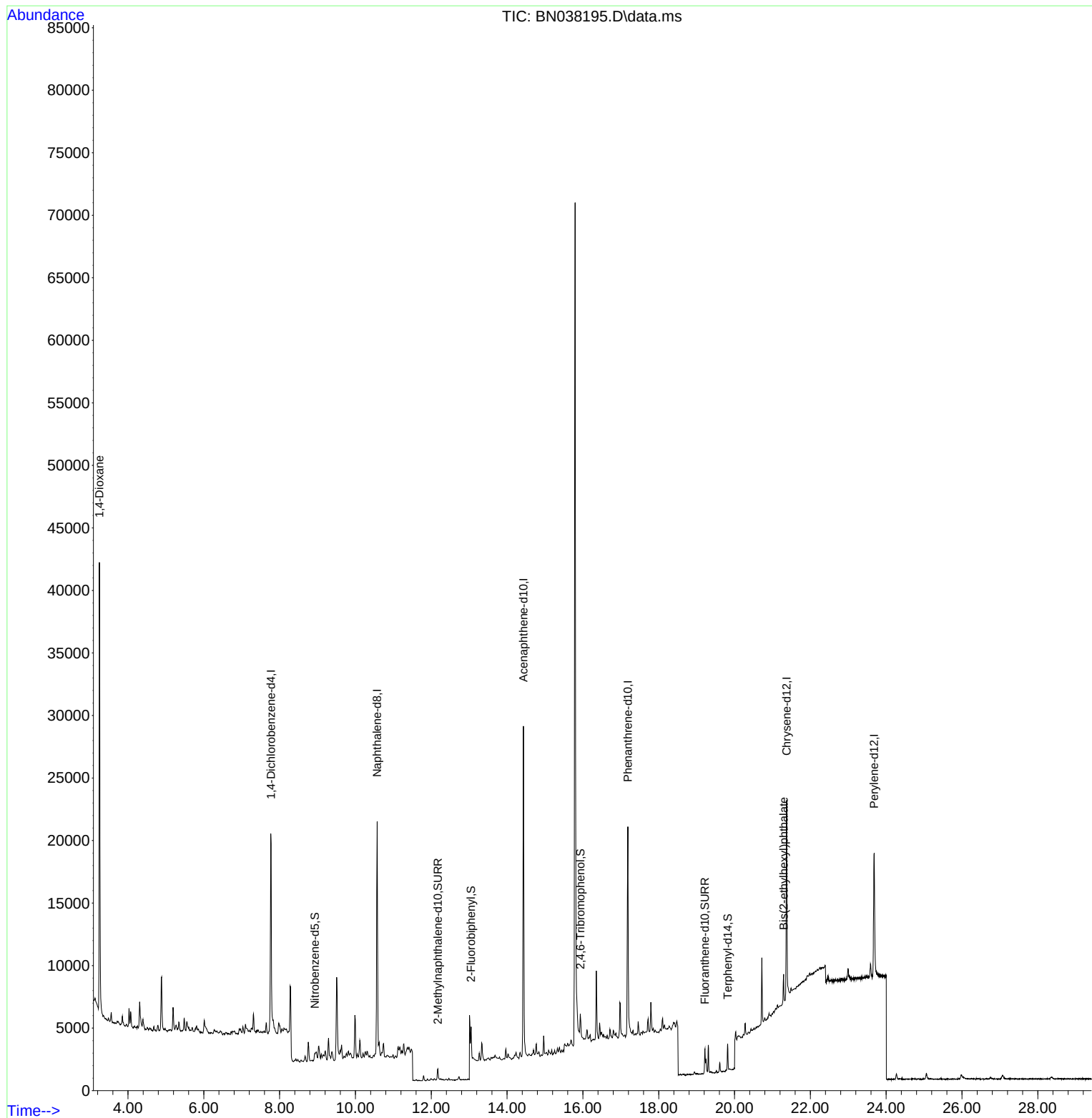
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.775	152	7979	0.400	ng	0.00
7) Naphthalene-d8	10.573	136	25314	0.400	ng	# 0.00
13) Acenaphthene-d10	14.430	164	14740	0.400	ng	0.00
19) Phenanthrene-d10	17.186	188	25439	0.400	ng	0.00
29) Chrysene-d12	21.375	240	15077	0.400	ng	0.00
35) Perylene-d12	23.683	264	14508	0.400	ng	# 0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.341	112	367	0.020	ng	0.00
5) Phenol-d6	6.937	99	348	0.015	ng	0.00
8) Nitrobenzene-d5	8.929	82	684	0.033	ng	0.00
11) 2-Methylnaphthalene-d10	12.172	152	1157	0.032	ng	0.00
14) 2,4,6-Tribromophenol	15.932	330	275	0.045	ng	0.00
15) 2-Fluorobiphenyl	13.051	172	2345	0.040	ng	0.00
27) Fluoranthene-d10	19.220	212	2230	0.035	ng	0.00
31) Terphenyl-d14	19.819	244	2015	0.062	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.247	88	22258	2.700	ng	100
34) Bis(2-ethylhexyl)phtha...	21.295	149	2468	0.087	ng	99

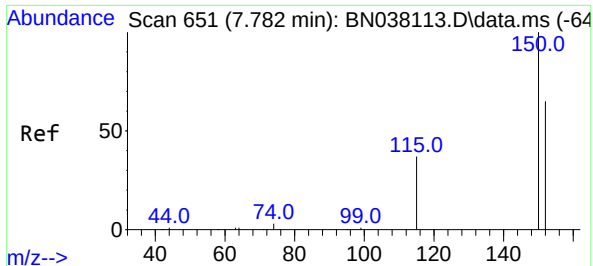
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN111225\
Data File : BN038195.D
Acq On : 12 Nov 2025 16:47
Operator : RC/JU
Sample : Q3569-01DL 10X
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
MW-2DL

Quant Time: Nov 12 17:11:28 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN102825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Oct 29 13:09:46 2025
Response via : Initial Calibration

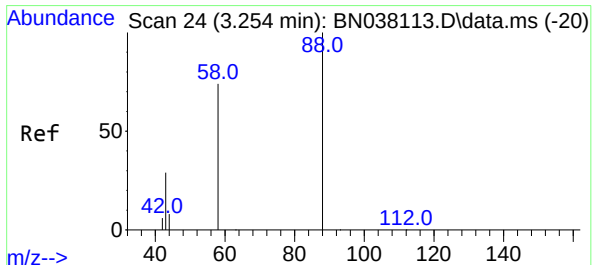
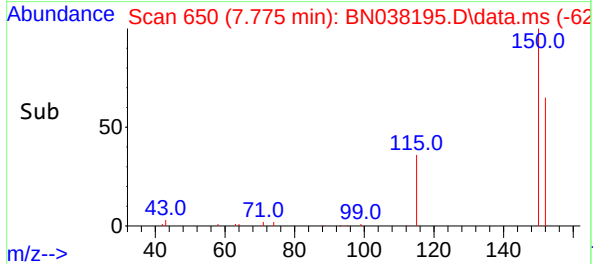
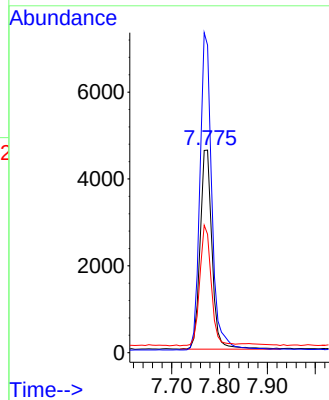
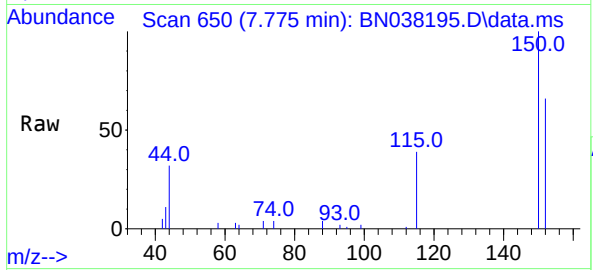




#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.775 min Scan# 61
Delta R.T. -0.000 min
Lab File: BN038195.D
Acq: 12 Nov 2025 16:47

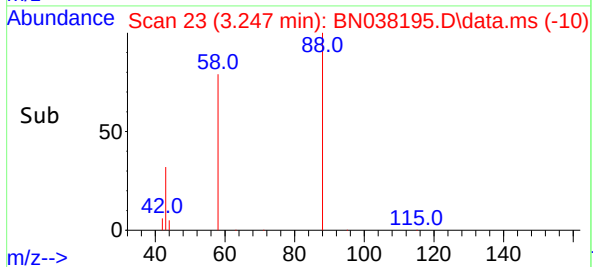
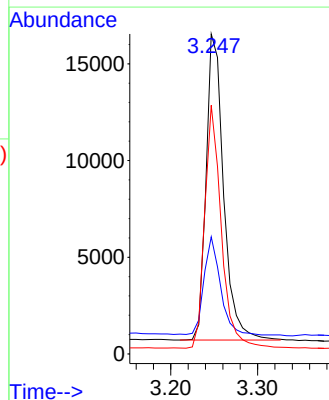
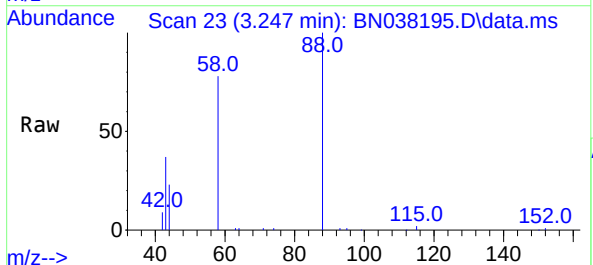
Instrument :
BNA_N
ClientSampleId :
MW-2DL

Tgt Ion:152 Resp: 7979
Ion Ratio Lower Upper
152 100
150 151.9 122.3 183.5
115 58.5 47.4 71.0

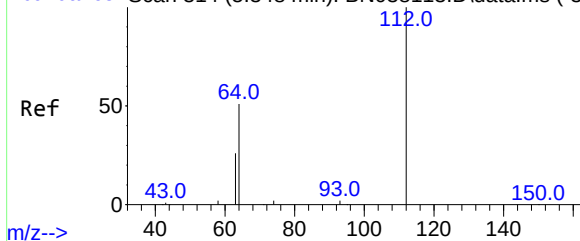


#2
1,4-Dioxane
Concen: 2.700 ng
RT: 3.247 min Scan# 23
Delta R.T. -0.007 min
Lab File: BN038195.D
Acq: 12 Nov 2025 16:47

Tgt Ion: 88 Resp: 22258
Ion Ratio Lower Upper
88 100
43 30.1 24.3 36.5
58 75.2 60.4 90.6



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



#4

2-Fluorophenol

Concen: 0.020 ng

RT: 5.341 min Scan# 314

Delta R.T. -0.007 min

Lab File: BN038195.D

Acq: 12 Nov 2025 16:47

Instrument :

BNA_N

ClientSampleId :

MW-2DL

Tgt Ion:112 Resp: 367

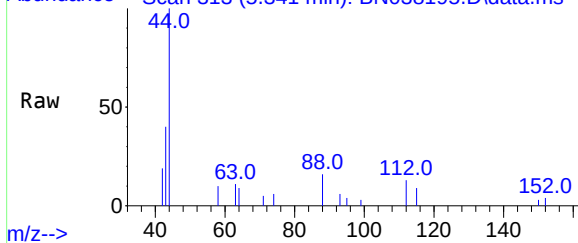
Ion Ratio Lower Upper

112 100

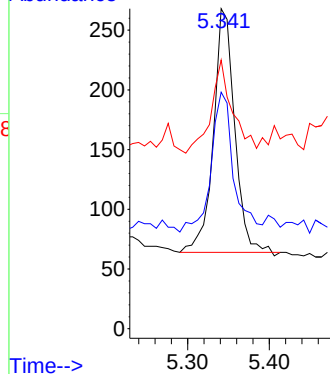
64 60.5 45.4 68.0

63 39.0 23.2 34.8#

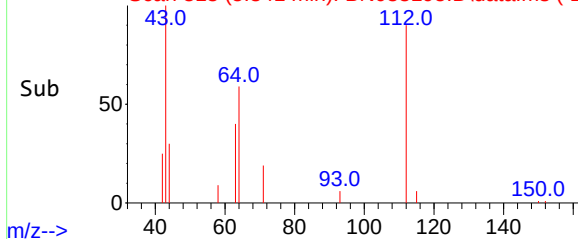
Abundance Scan 313 (5.341 min): BN038195.D\data.ms



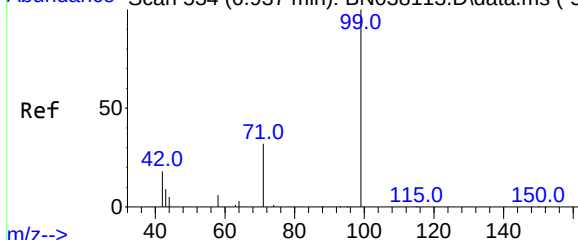
Abundance



Abundance Scan 313 (5.341 min): BN038195.D\data.ms (-28



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



#5

Phenol-d6

Concen: 0.015 ng

RT: 6.937 min Scan# 534

Delta R.T. -0.000 min

Lab File: BN038195.D

Acq: 12 Nov 2025 16:47

Tgt Ion: 99 Resp: 348

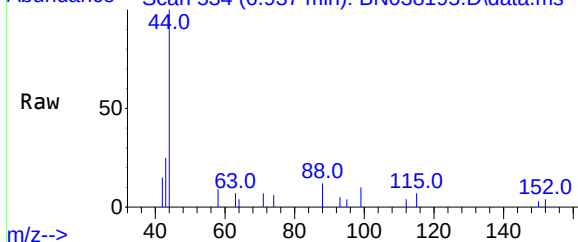
Ion Ratio Lower Upper

99 100

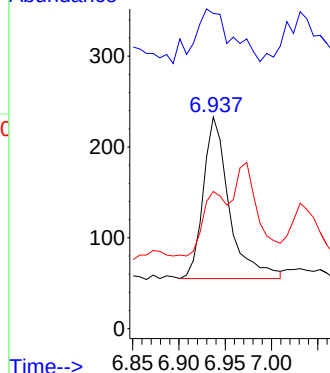
42 45.7 16.6 24.8#

71 37.1 25.4 38.2

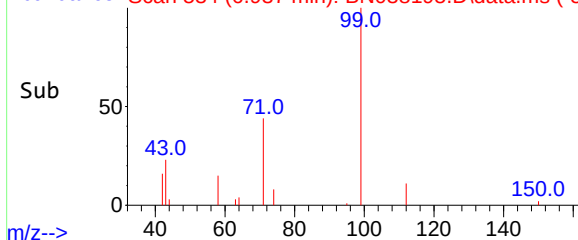
Abundance Scan 534 (6.937 min): BN038195.D\data.ms

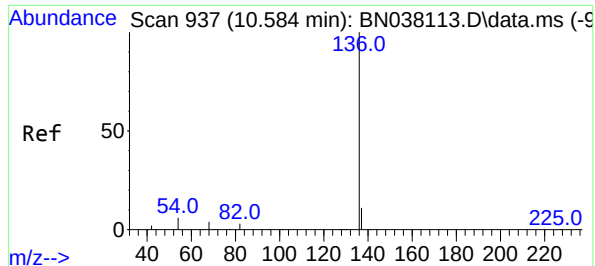


Abundance



Abundance Scan 534 (6.937 min): BN038195.D\data.ms (-50

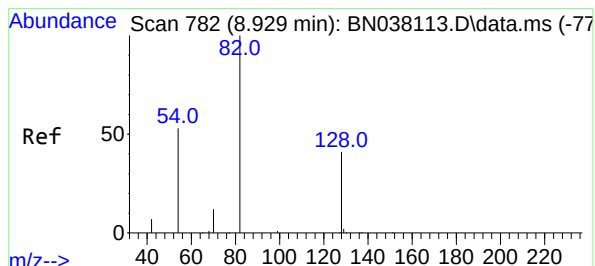
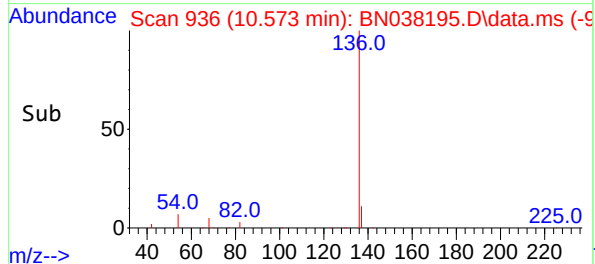
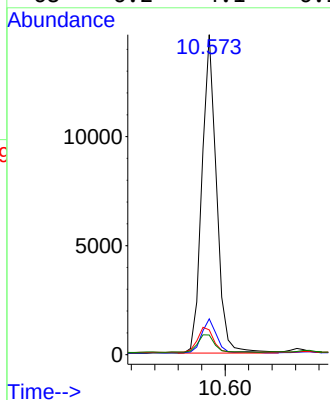
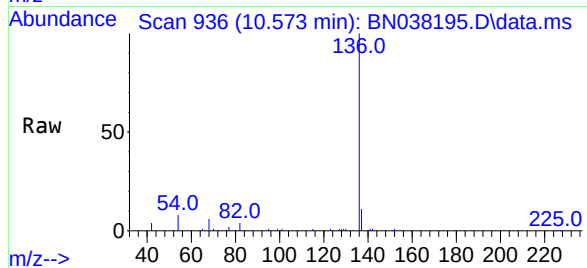




#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.573 min Scan# 91
Delta R.T. -0.000 min
Lab File: BN038195.D
Acq: 12 Nov 2025 16:47

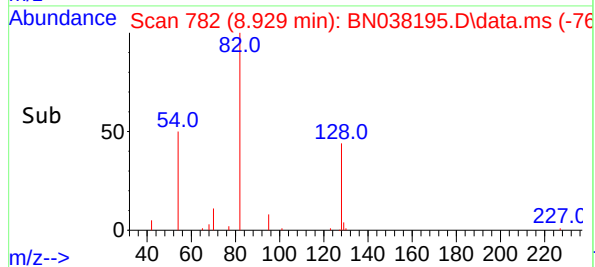
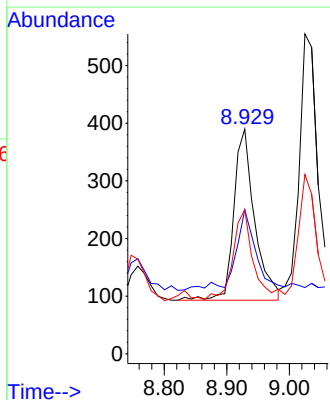
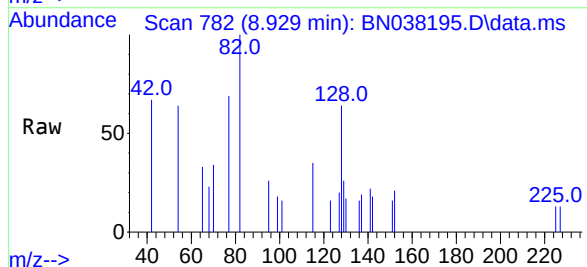
Instrument :
BNA_N
ClientSampleId :
MW-2DL

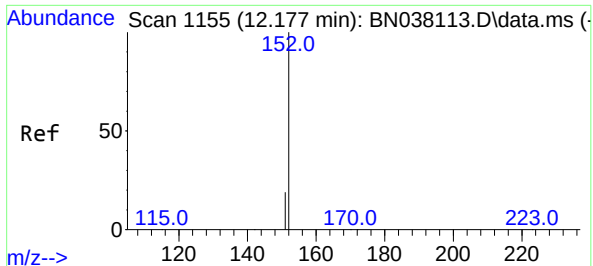
Tgt Ion:136 Resp: 25314
Ion Ratio Lower Upper
136 100
137 11.2 9.0 13.4
54 7.8 5.2 7.8
68 6.2 4.1 6.1#



#8
Nitrobenzene-d5
Concen: 0.033 ng
RT: 8.929 min Scan# 782
Delta R.T. -0.000 min
Lab File: BN038195.D
Acq: 12 Nov 2025 16:47

Tgt Ion: 82 Resp: 684
Ion Ratio Lower Upper
82 100
128 64.1 34.1 51.1#
54 64.1 43.5 65.3

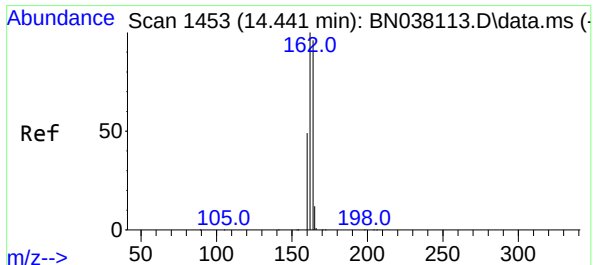
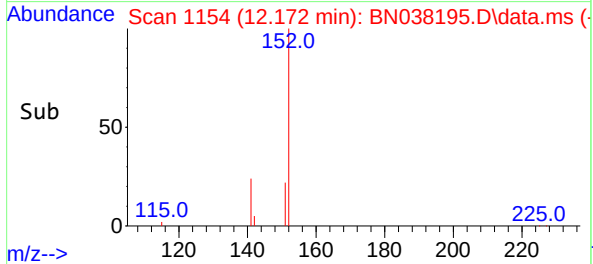
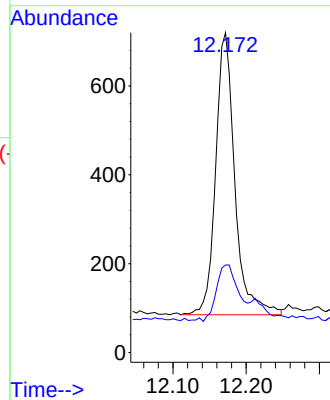
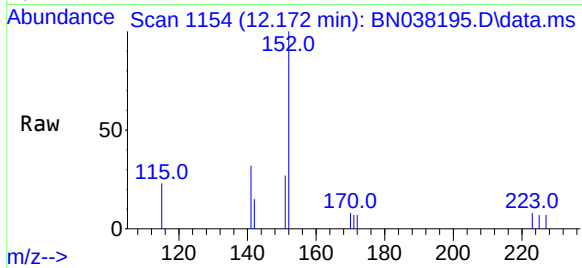




#11
2-Methylnaphthalene-d10
Concen: 0.032 ng
RT: 12.172 min Scan# 1154
Delta R.T. -0.005 min
Lab File: BN038195.D
Acq: 12 Nov 2025 16:47

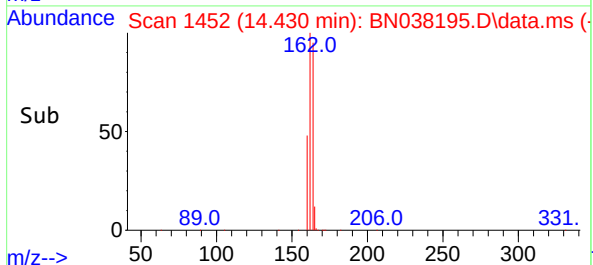
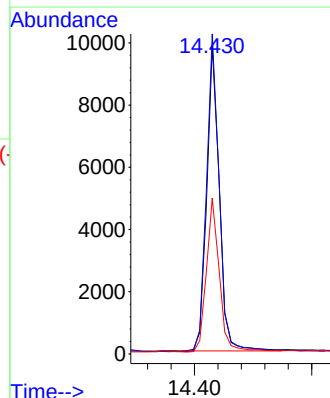
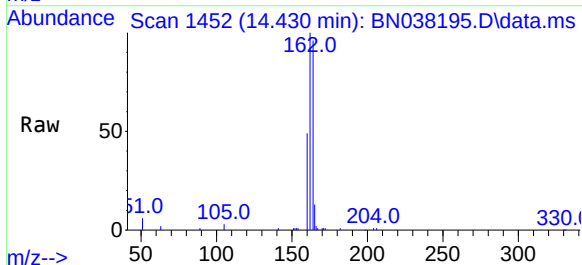
Instrument :
BNA_N
ClientSampleId :
MW-2DL

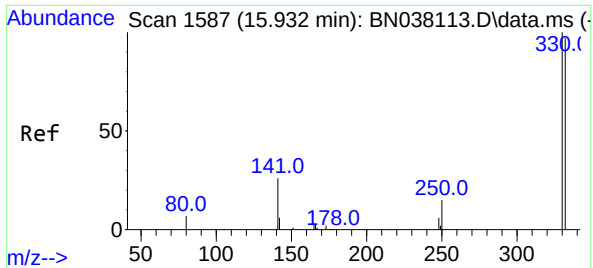
Tgt Ion:152 Resp: 1157
Ion Ratio Lower Upper
152 100
151 21.9 16.8 25.2



#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.430 min Scan# 1452
Delta R.T. -0.000 min
Lab File: BN038195.D
Acq: 12 Nov 2025 16:47

Tgt Ion:164 Resp: 14740
Ion Ratio Lower Upper
164 100
162 103.8 83.0 124.4
160 50.6 40.7 61.1

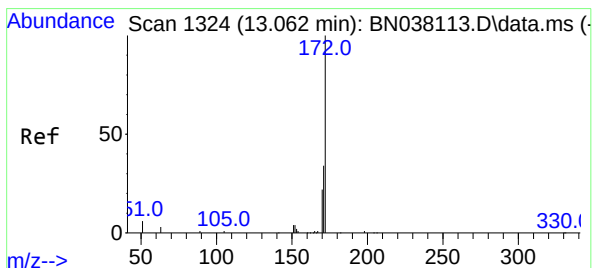
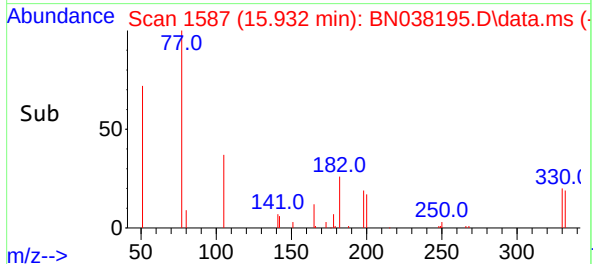
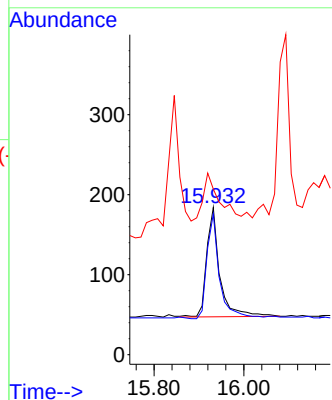
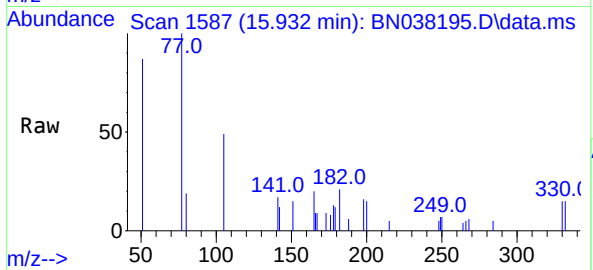




#14
2,4,6-Tribromophenol
Concen: 0.045 ng
RT: 15.932 min Scan# 1587
Delta R.T. 0.000 min
Lab File: BN038195.D
Acq: 12 Nov 2025 16:47

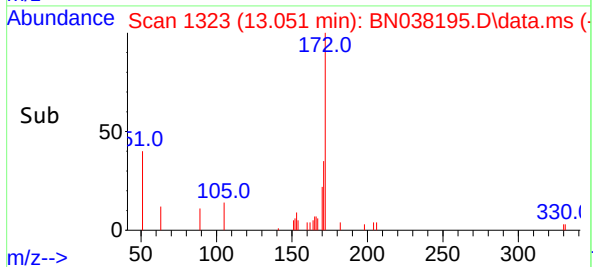
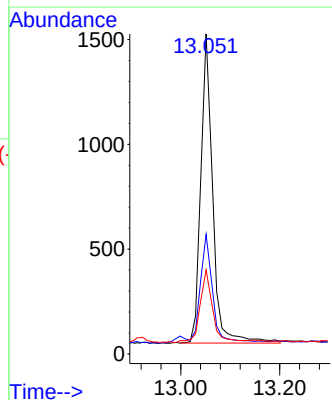
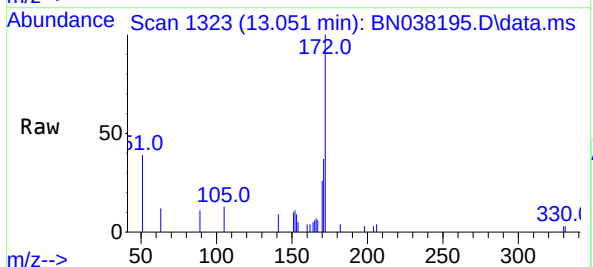
Instrument :
BNA_N
ClientSampleId :
MW-2DL

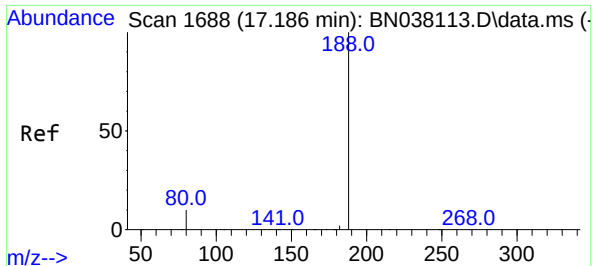
Tgt Ion:330 Resp: 275
Ion Ratio Lower Upper
330 100
332 92.7 76.6 114.8
141 63.6 34.1 51.1#



#15
2-Fluorobiphenyl
Concen: 0.040 ng
RT: 13.051 min Scan# 1323
Delta R.T. -0.000 min
Lab File: BN038195.D
Acq: 12 Nov 2025 16:47

Tgt Ion:172 Resp: 2345
Ion Ratio Lower Upper
172 100
171 37.3 27.8 41.6
170 26.3 18.1 27.1





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 17.186 min Scan# 1

Delta R.T. -0.000 min

Lab File: BN038195.D

Acq: 12 Nov 2025 16:47

Instrument :

BNA_N

ClientSampleId :

MW-2DL

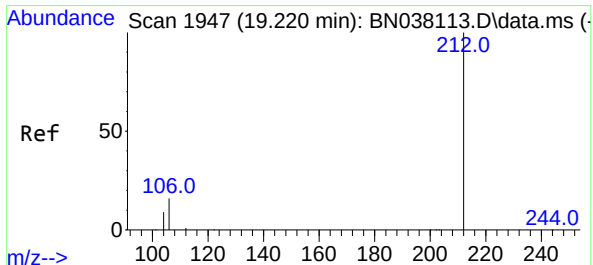
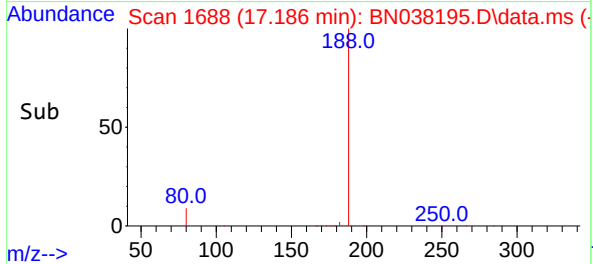
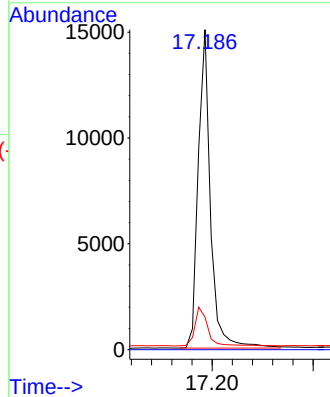
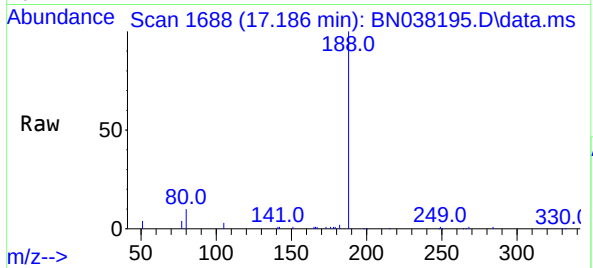
Tgt Ion:188 Resp: 25439

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

80 10.2 8.6 13.0



#27

Fluoranthene-d10

Concen: 0.035 ng

RT: 19.220 min Scan# 1947

Delta R.T. -0.000 min

Lab File: BN038195.D

Acq: 12 Nov 2025 16:47

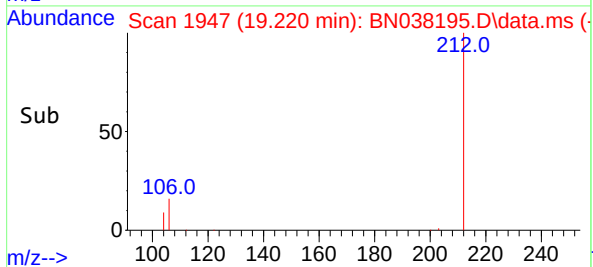
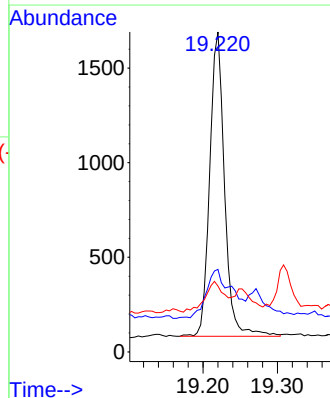
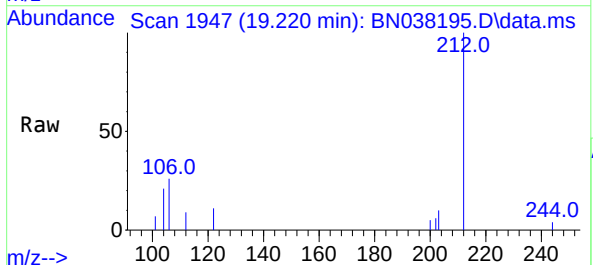
Tgt Ion:212 Resp: 2230

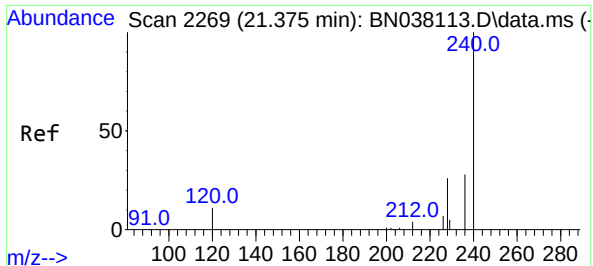
Ion Ratio Lower Upper

212 100

106 28.2 12.6 19.0#

104 12.6 7.1 10.7#

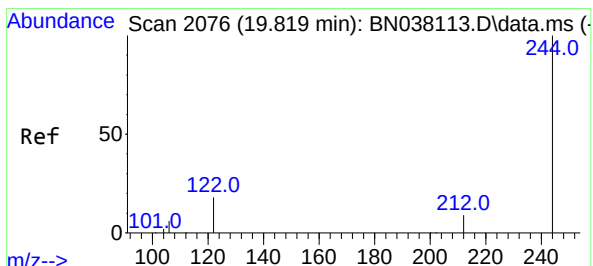
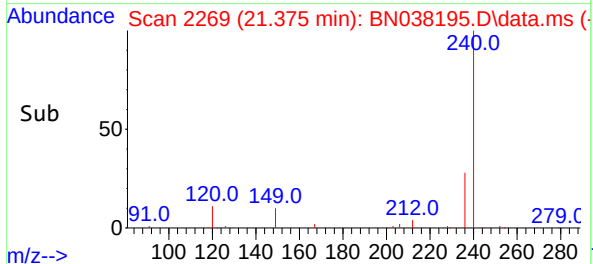
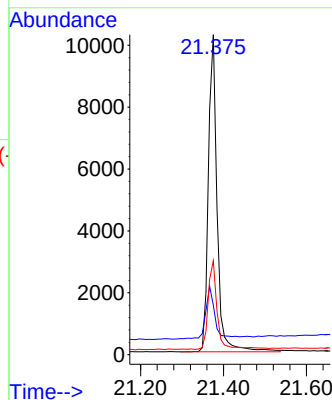
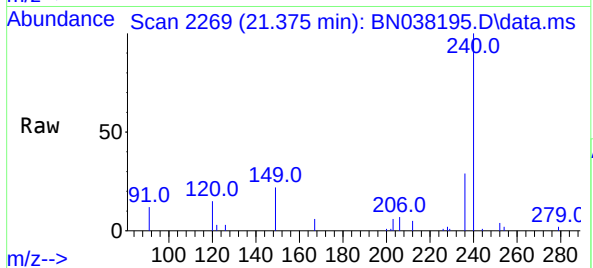




#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.375 min Scan# 21
Delta R.T. -0.000 min
Lab File: BN038195.D
Acq: 12 Nov 2025 16:47

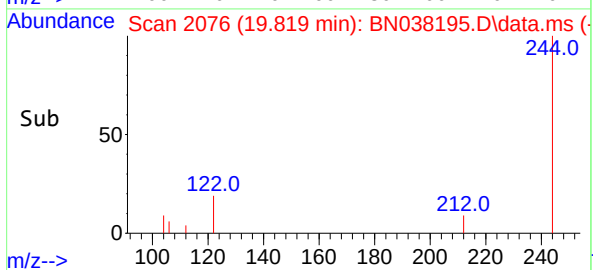
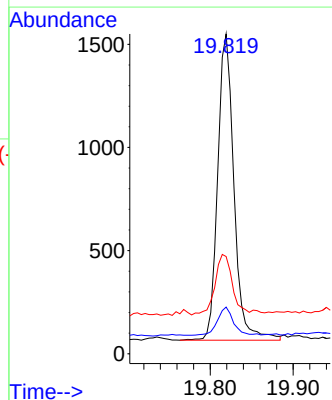
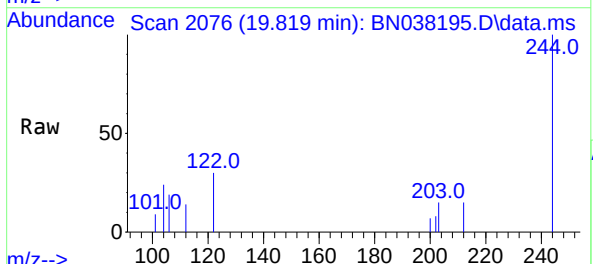
Instrument :
BNA_N
ClientSampleId :
MW-2DL

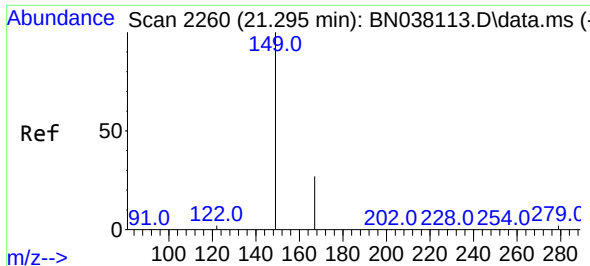
Tgt Ion:240 Resp: 15077
Ion Ratio Lower Upper
240 100
120 15.5 10.7 16.1
236 29.4 23.1 34.7



#31
Terphenyl-d14
Concen: 0.062 ng
RT: 19.819 min Scan# 2076
Delta R.T. -0.000 min
Lab File: BN038195.D
Acq: 12 Nov 2025 16:47

Tgt Ion:244 Resp: 2015
Ion Ratio Lower Upper
244 100
212 14.6 7.8 11.6#
122 30.5 15.2 22.8#

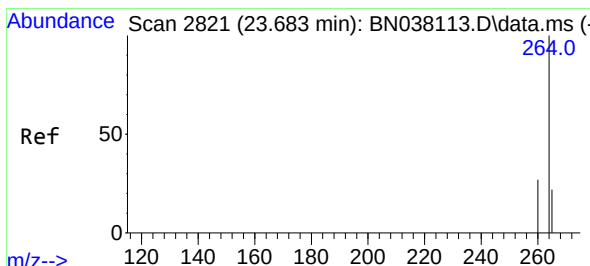
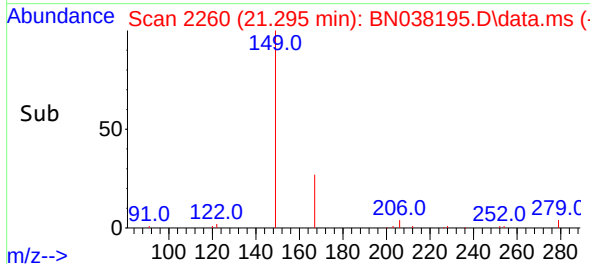
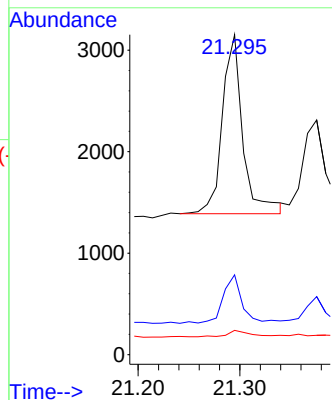
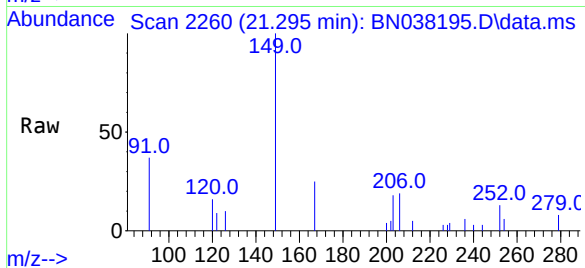




#34
Bis(2-ethylhexyl)phthalate
Concen: 0.087 ng
RT: 21.295 min Scan# 2126
Delta R.T. -0.000 min
Lab File: BN038195.D
Acq: 12 Nov 2025 16:47

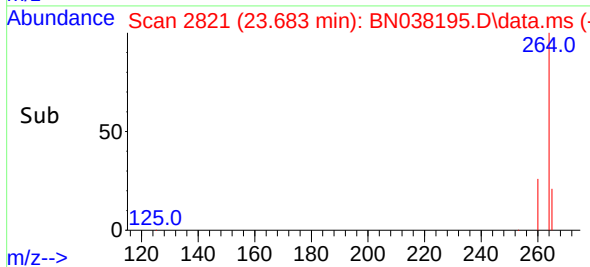
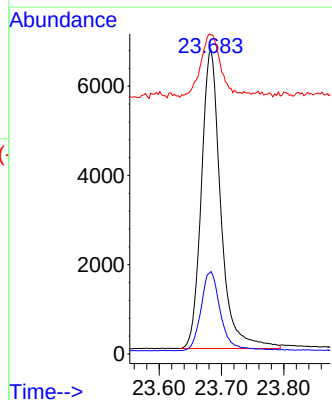
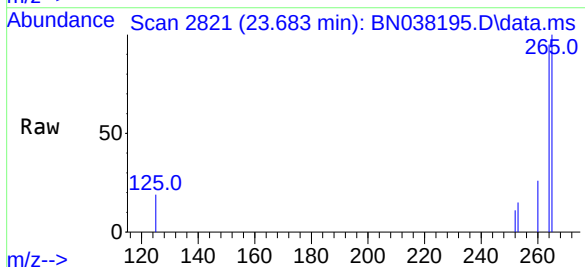
Instrument :
BNA_N
ClientSampleId :
MW-2DL

Tgt Ion:149 Resp: 2468
Ion Ratio Lower Upper
149 100
167 25.8 21.1 31.7
279 3.7 2.9 4.3



#35
Perylene-d12
Concen: 0.400 ng
RT: 23.683 min Scan# 2821
Delta R.T. 0.003 min
Lab File: BN038195.D
Acq: 12 Nov 2025 16:47

Tgt Ion:264 Resp: 14508
Ion Ratio Lower Upper
264 100
260 27.1 21.8 32.8
265 104.8 68.6 102.8#





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

Report of Analysis

Client:	Remington & Vernick Engineers		Date Collected:	11/05/25
Project:	Edison Landfill		Date Received:	11/06/25
Client Sample ID:	MW-12		SDG No.:	Q3569
Lab Sample ID:	Q3569-02		Matrix:	Water
Analytical Method:	SW8270ESIM	Level: LOW	% Solid:	0
Sample Wt/Vol:	980 mL	Final Vol: 1000 uL	Test:	SVOC-SIMGroup1
Prep Method :	3510C	Prep Date: 11/11/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
TARGETS									
123-91-1	1,4-Dioxane	79.3	E	1	0.070	0.20	ug/L	11/12/25 11:56	PB170483
SURROGATES									
7297-45-2	2-Methylnaphthalene-d10	0.35			30 (47) - 150 (106)	86%	SPK: 0.4		
93951-69-0	Fluoranthene-d10	0.32			30 (54) - 150 (157)	79%	SPK: 0.4		
4165-60-0	Nitrobenzene-d5	0.42			30 (56) - 130 (116)	105%	SPK: 0.4		
321-60-8	2-Fluorobiphenyl	0.22			30 (50) - 130 (126)	54%	SPK: 0.4		
1718-51-0	Terphenyl-d14	0.57	*		30 (54) - 130 (175)	142%	SPK: 0.4		
INTERNAL STANDARDS		Area Count							
3855-82-1	1,4-Dichlorobenzene-d4	9900							
1146-65-2	Naphthalene-d8	33500							
15067-26-2	Acenaphthene-d10	32700							
1517-22-2	Phenanthrene-d10	32900							
1719-03-5	Chrysene-d12	18600							
1520-96-3	Perylene-d12	18600							

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN111225\
 Data File : BN038187.D
 Acq On : 12 Nov 2025 11:56
 Operator : RC/JU
 Sample : Q3569-02
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 MW-12

Quant Time: Nov 12 12:20:08 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN102825.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Oct 29 13:09:46 2025
 Response via : Initial Calibration

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

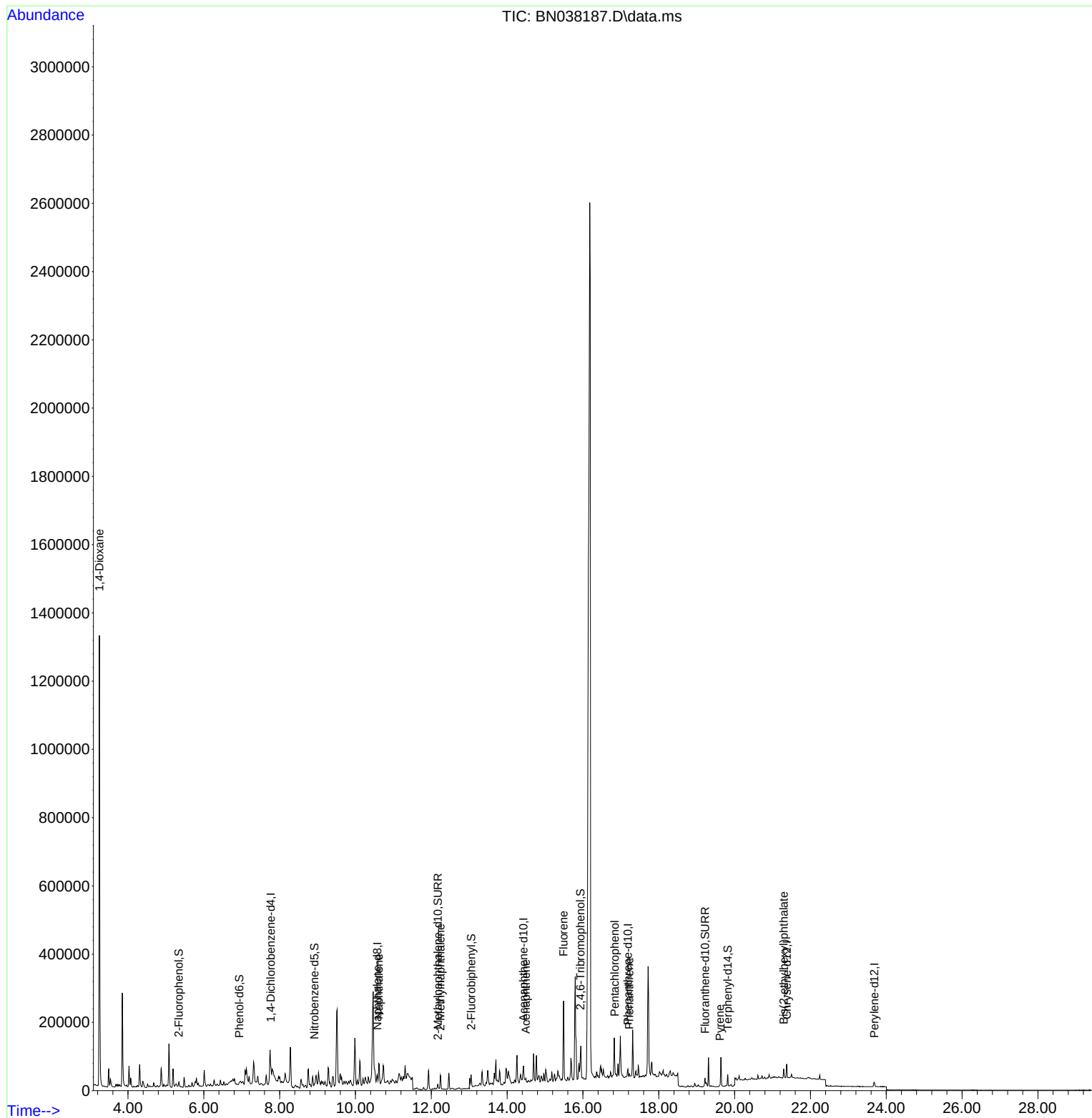
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.768	152	9896	0.400	ng	0.00
7) Naphthalene-d8	10.573	136	33487	0.400	ng	# 0.00
13) Acenaphthene-d10	14.430	164	32721	0.400	ng	0.00
19) Phenanthrene-d10	17.186	188	32892	0.400	ng	# 0.00
29) Chrysene-d12	21.375	240	18590	0.400	ng	# 0.00
35) Perylene-d12	23.683	264	18643	0.400	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.341	112	5010	0.215	ng	0.00
5) Phenol-d6	6.937	99	3888	0.137	ng	0.00
8) Nitrobenzene-d5	8.918	82	11346	0.420	ng	-0.01
11) 2-Methylnaphthalene-d10	12.172	152	16494	0.345	ng	0.00
14) 2,4,6-Tribromophenol	15.932	330	4032	0.299	ng	0.00
15) 2-Fluorobiphenyl	13.051	172	28444	0.217	ng	0.00
27) Fluoranthene-d10	19.220	212	26290	0.317	ng	0.00
31) Terphenyl-d14	19.819	244	22910	0.567	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	3.247	88	794647	77.716	ng	98
9) Naphthalene	10.616	128	82244	0.892	ng	98
12) 2-Methylnaphthalene	12.243	142	30122	0.490	ng	95
17) Acenaphthene	14.494	154	8661	0.084	ng	94
18) Fluorene	15.489	166	10440	0.077	ng	# 32
24) Pentachlorophenol	16.838	266	572	0.054	ng	88
25) Phenanthrene	17.223	178	11353	0.109	ng	# 73
30) Pyrene	19.610	202	3065	0.037	ng	# 70
34) Bis(2-ethylhexyl)phtha...	21.295	149	24436	0.700	ng	94

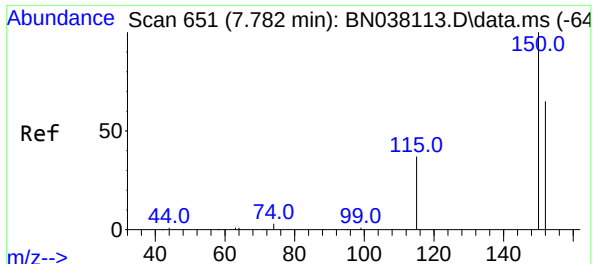
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN111225\
Data File : BN038187.D
Acq On : 12 Nov 2025 11:56
Operator : RC/JU
Sample : Q3569-02
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
MW-12

Quant Time: Nov 12 12:20:08 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN102825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Oct 29 13:09:46 2025
Response via : Initial Calibration

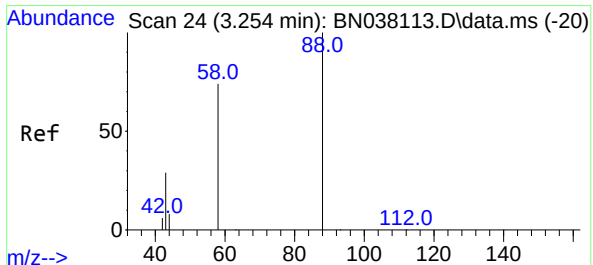
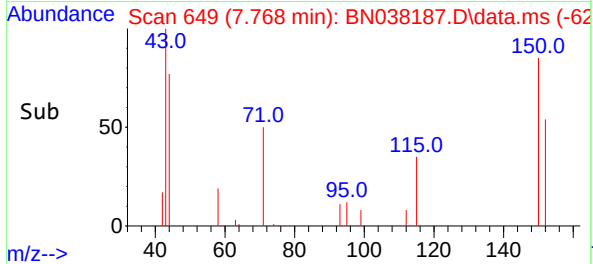
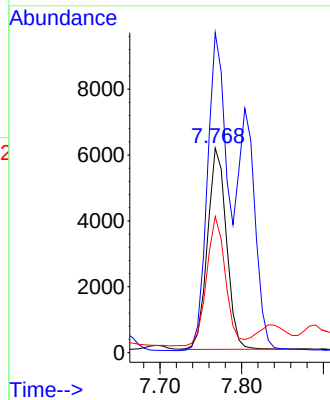
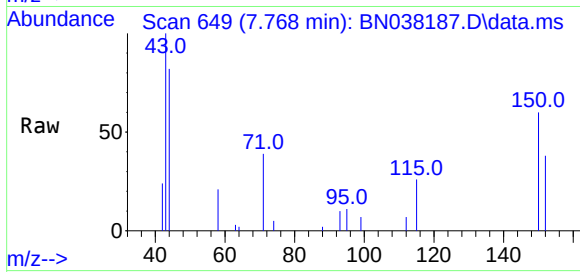




#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.768 min Scan# 64
Delta R.T. -0.007 min
Lab File: BN038187.D
Acq: 12 Nov 2025 11:56

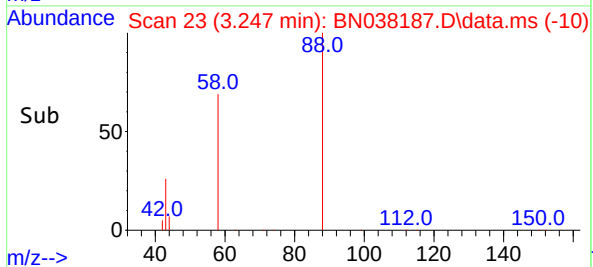
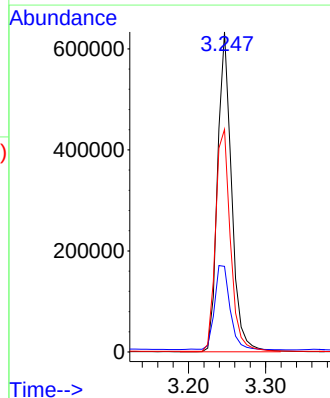
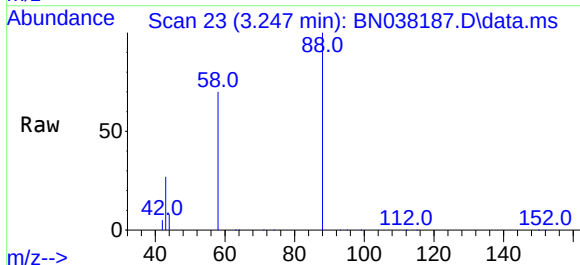
Instrument :
BNA_N
ClientSampleId :
MW-12

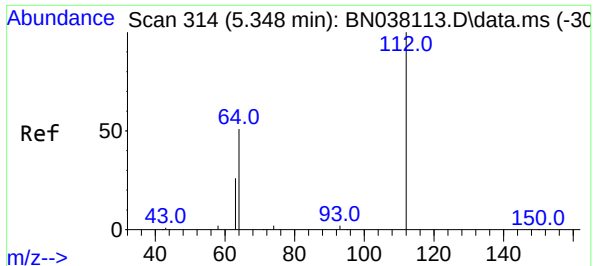
Tgt Ion:152 Resp: 9896
Ion Ratio Lower Upper
152 100
150 156.4 122.3 183.5
115 66.5 47.4 71.0



#2
1,4-Dioxane
Concen: 77.716 ng
RT: 3.247 min Scan# 23
Delta R.T. -0.007 min
Lab File: BN038187.D
Acq: 12 Nov 2025 11:56

Tgt Ion: 88 Resp: 794647
Ion Ratio Lower Upper
88 100
43 29.3 24.3 36.5
58 73.9 60.4 90.6

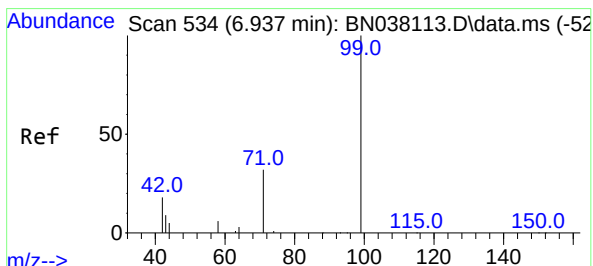
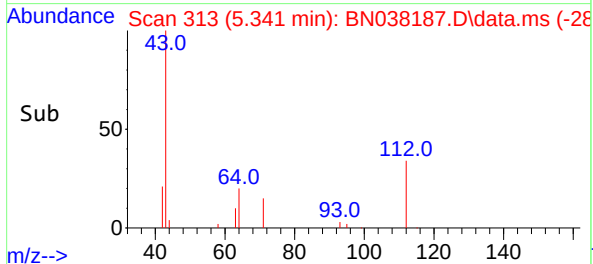
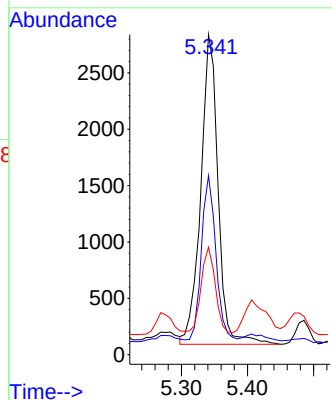
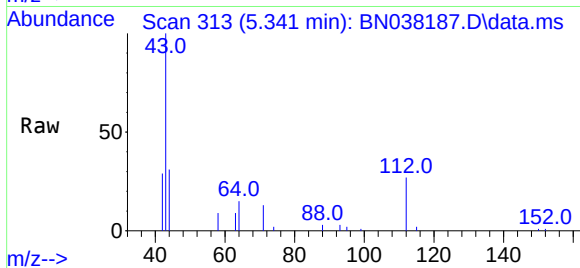




#4
2-Fluorophenol
Concen: 0.215 ng
RT: 5.341 min Scan# 31
Delta R.T. -0.007 min
Lab File: BN038187.D
Acq: 12 Nov 2025 11:56

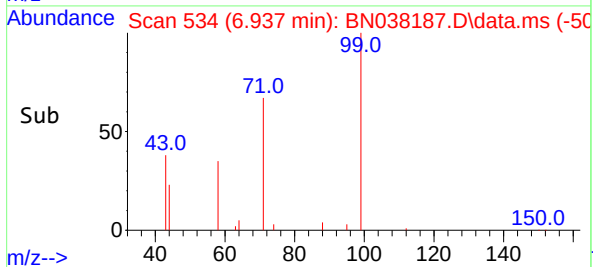
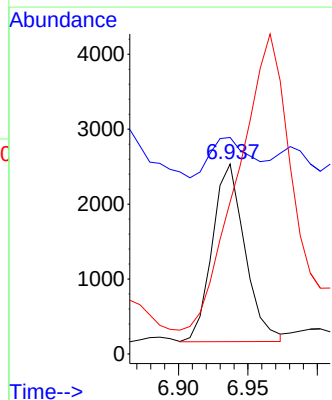
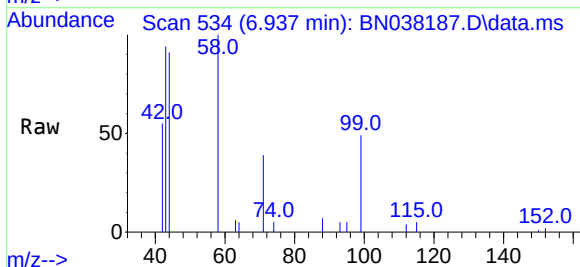
Instrument :
BNA_N
ClientSampleId :
MW-12

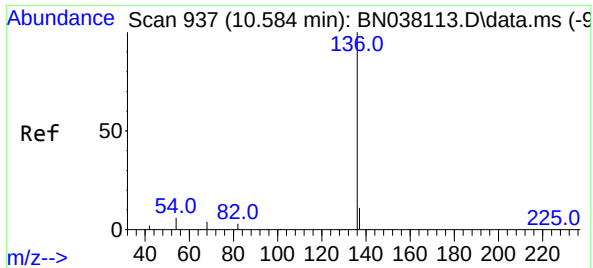
Tgt Ion:112 Resp: 5010
Ion Ratio Lower Upper
112 100
64 46.1 45.4 68.0
63 24.5 23.2 34.8



#5
Phenol-d6
Concen: 0.137 ng
RT: 6.937 min Scan# 534
Delta R.T. -0.000 min
Lab File: BN038187.D
Acq: 12 Nov 2025 11:56

Tgt Ion: 99 Resp: 3888
Ion Ratio Lower Upper
99 100
42 26.0 16.6 24.8#
71 0.0 25.4 38.2#

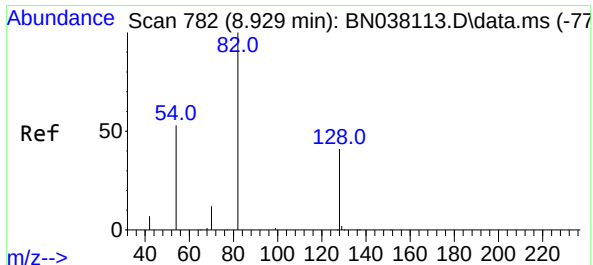
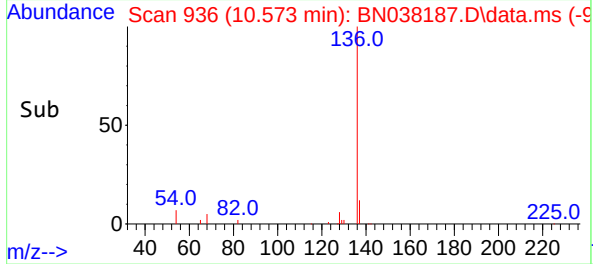
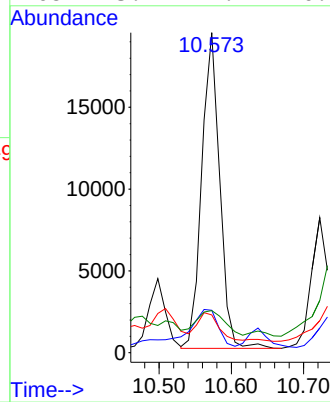
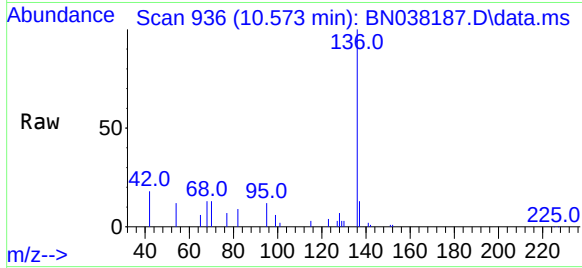




#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.573 min Scan# 91
Delta R.T. -0.000 min
Lab File: BN038187.D
Acq: 12 Nov 2025 11:56

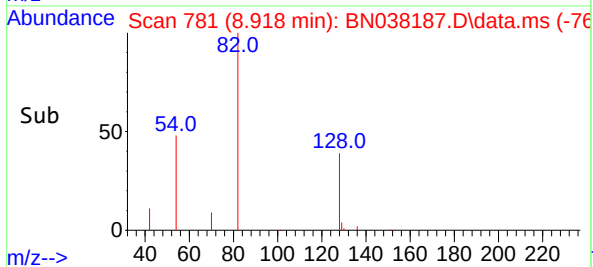
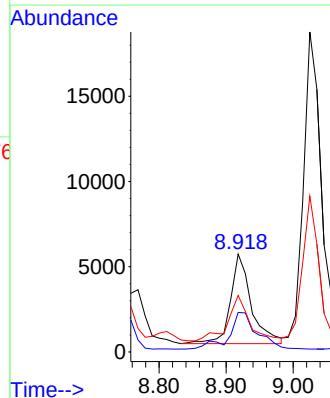
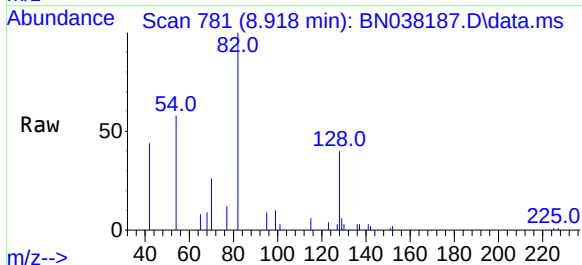
Instrument :
BNA_N
ClientSampleId :
MW-12

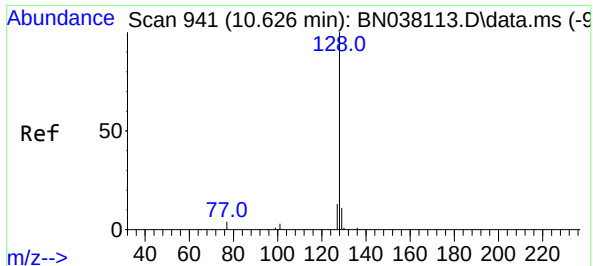
Tgt Ion:136 Resp: 33487
Ion Ratio Lower Upper
136 100
137 13.3 9.0 13.4
54 11.8 5.2 7.8#
68 13.2 4.1 6.1#



#8
Nitrobenzene-d5
Concen: 0.420 ng
RT: 8.918 min Scan# 781
Delta R.T. -0.011 min
Lab File: BN038187.D
Acq: 12 Nov 2025 11:56

Tgt Ion: 82 Resp: 11346
Ion Ratio Lower Upper
82 100
128 40.3 34.1 51.1
54 57.7 43.5 65.3

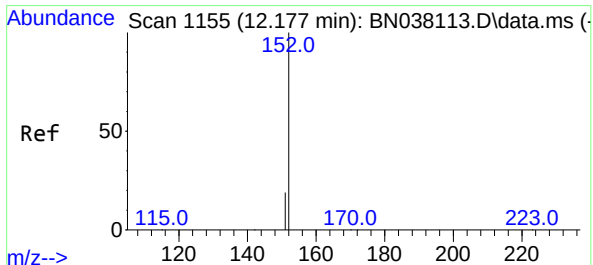
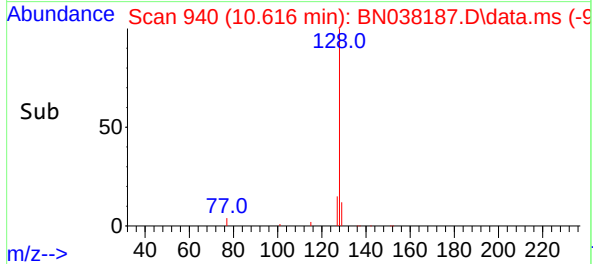
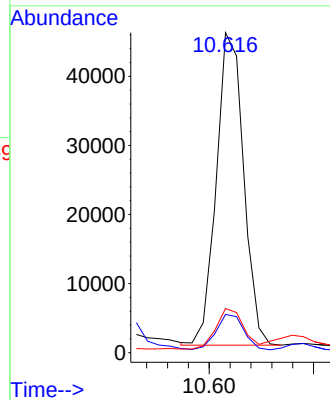
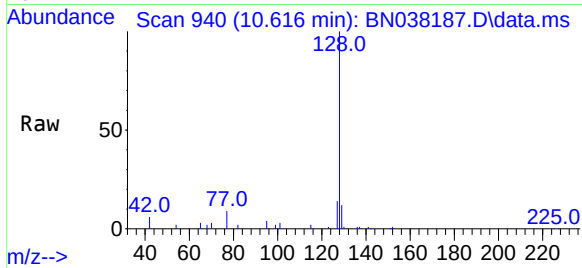




#9
Naphthalene
Concen: 0.892 ng
RT: 10.616 min Scan# 941
Delta R.T. -0.011 min
Lab File: BN038187.D
Acq: 12 Nov 2025 11:56

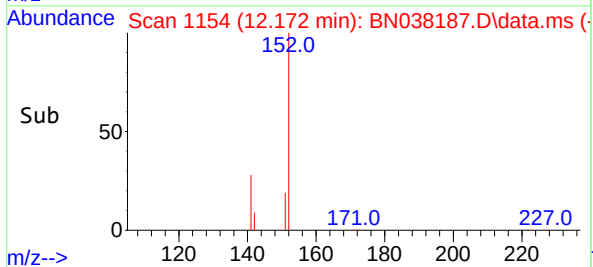
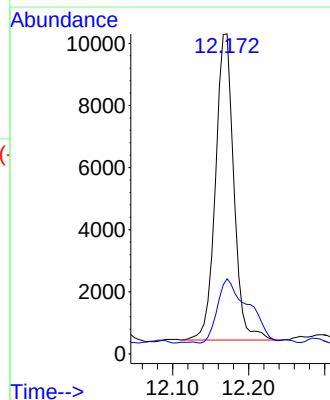
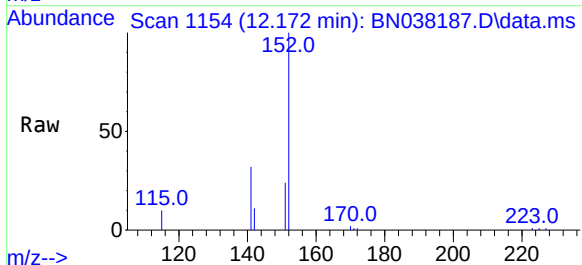
Instrument :
BNA_N
ClientSampleId :
MW-12

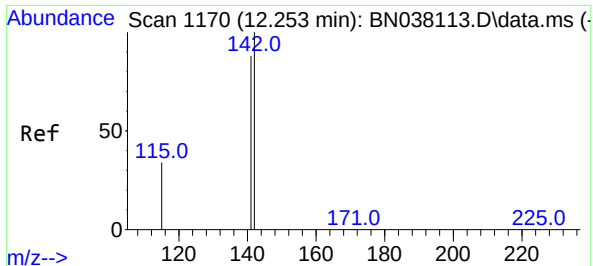
Tgt Ion:128 Resp: 82244
Ion Ratio Lower Upper
128 100
129 12.0 9.1 13.7
127 13.8 10.5 15.7



#11
2-Methylnaphthalene-d10
Concen: 0.345 ng
RT: 12.172 min Scan# 1154
Delta R.T. -0.005 min
Lab File: BN038187.D
Acq: 12 Nov 2025 11:56

Tgt Ion:152 Resp: 16494
Ion Ratio Lower Upper
152 100
151 35.6 16.8 25.2#





#12

2-Methylnaphthalene

Concen: 0.490 ng

RT: 12.243 min Scan# 11

Delta R.T. -0.005 min

Lab File: BN038187.D

Acq: 12 Nov 2025 11:56

Instrument :

BNA_N

ClientSampleId :

MW-12

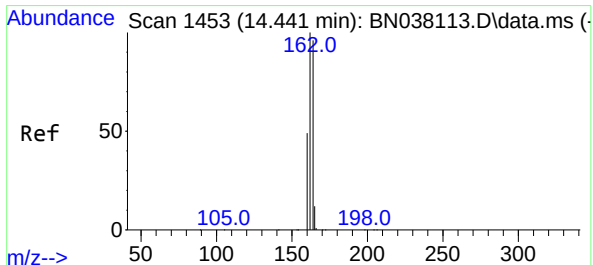
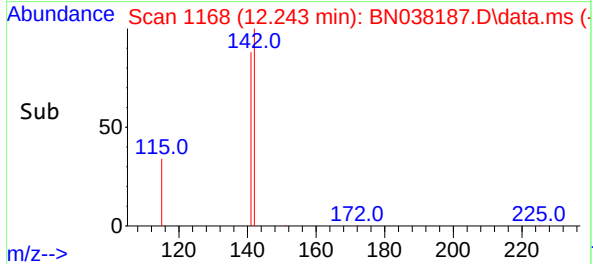
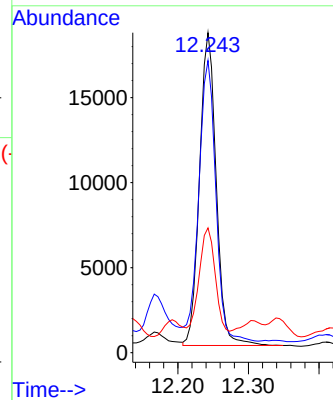
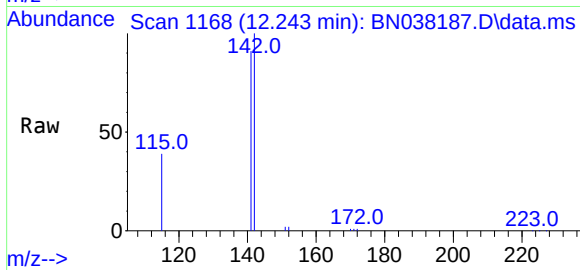
Tgt Ion:142 Resp: 30122

Ion Ratio Lower Upper

142 100

141 91.3 70.3 105.5

115 39.0 27.8 41.6



#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.430 min Scan# 1452

Delta R.T. -0.000 min

Lab File: BN038187.D

Acq: 12 Nov 2025 11:56

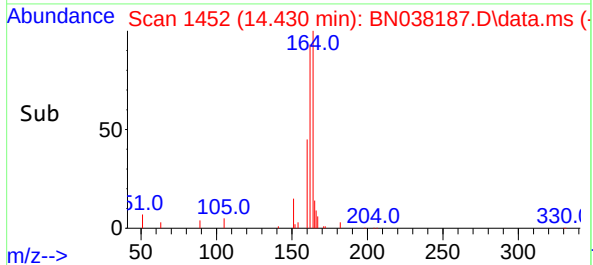
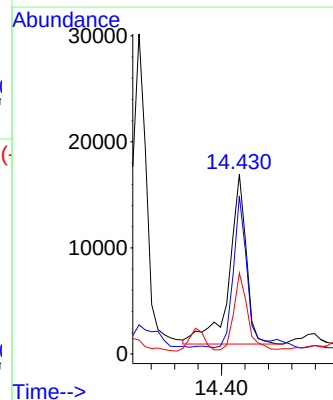
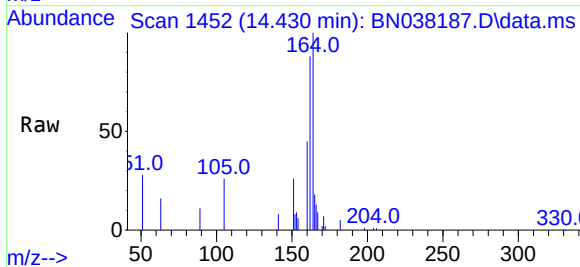
Tgt Ion:164 Resp: 32721

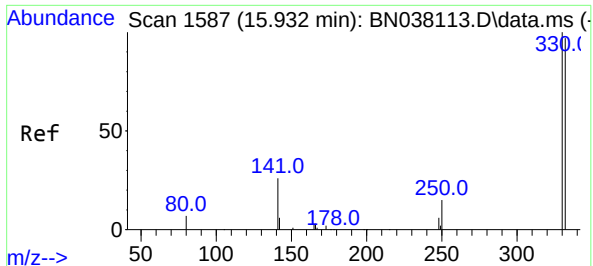
Ion Ratio Lower Upper

164 100

162 88.0 83.0 124.4

160 45.0 40.7 61.1

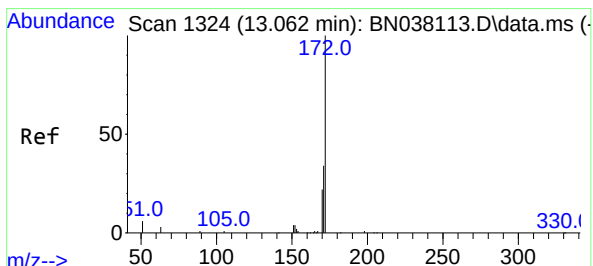
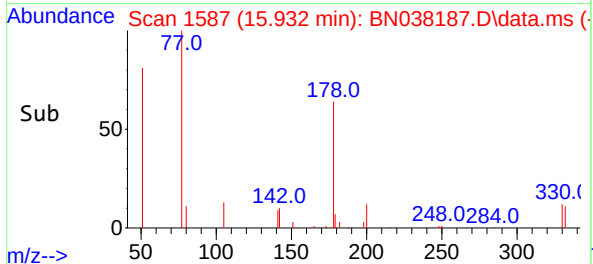
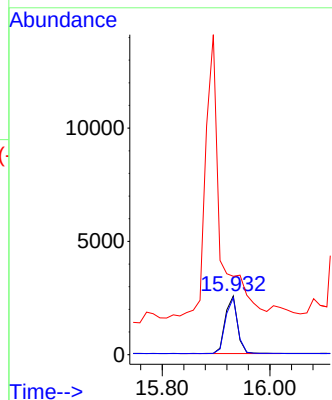
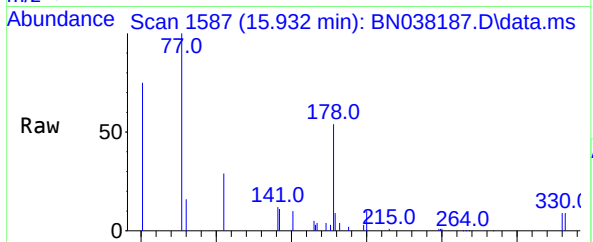




#14
2,4,6-Tribromophenol
Concen: 0.299 ng
RT: 15.932 min Scan# 11
Delta R.T. 0.000 min
Lab File: BN038187.D
Acq: 12 Nov 2025 11:56

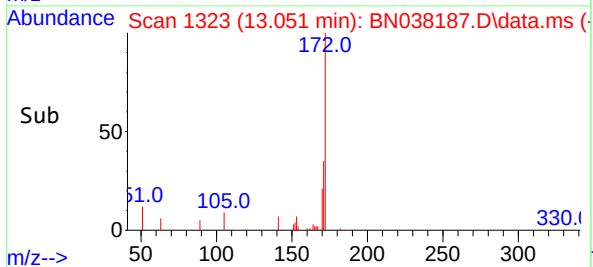
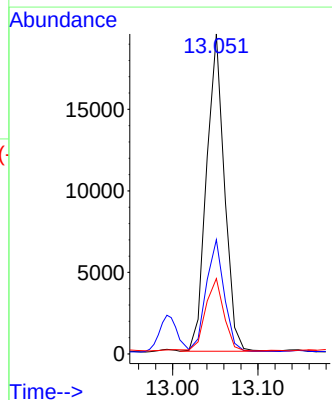
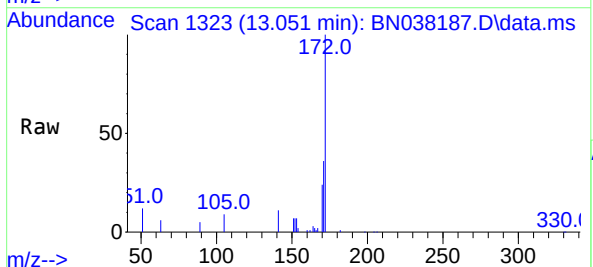
Instrument :
BNA_N
ClientSampleId :
MW-12

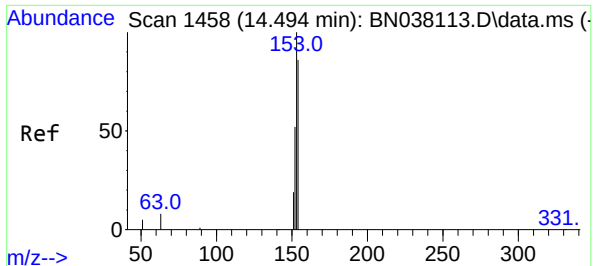
Tgt Ion:330 Resp: 4032
Ion Ratio Lower Upper
330 100
332 96.3 76.6 114.8
141 0.0 34.1 51.1#



#15
2-Fluorobiphenyl
Concen: 0.217 ng
RT: 13.051 min Scan# 1323
Delta R.T. -0.000 min
Lab File: BN038187.D
Acq: 12 Nov 2025 11:56

Tgt Ion:172 Resp: 28444
Ion Ratio Lower Upper
172 100
171 35.7 27.8 41.6
170 23.6 18.1 27.1

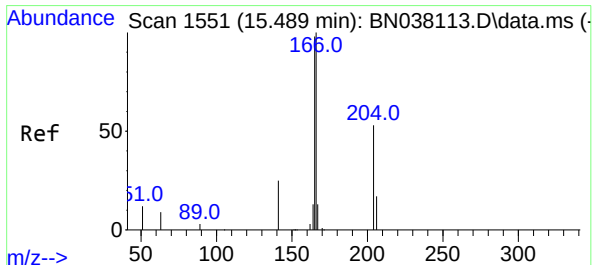
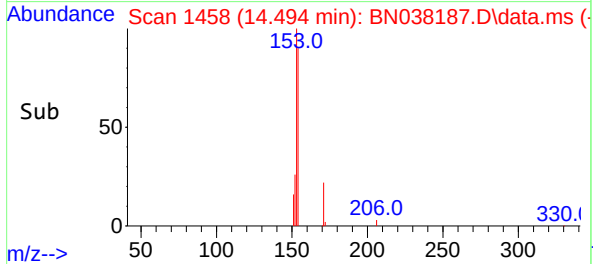
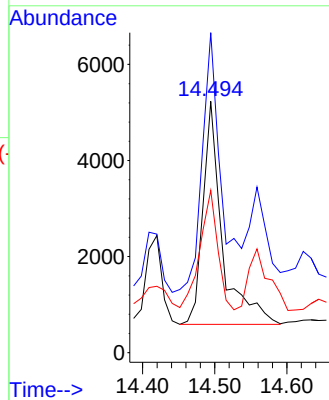
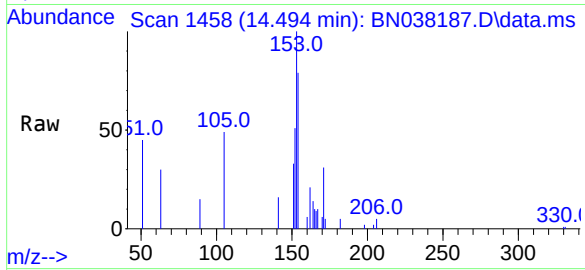




#17
Acenaphthene
Concen: 0.084 ng
RT: 14.494 min Scan# 1458
Delta R.T. -0.000 min
Lab File: BN038187.D
Acq: 12 Nov 2025 11:56

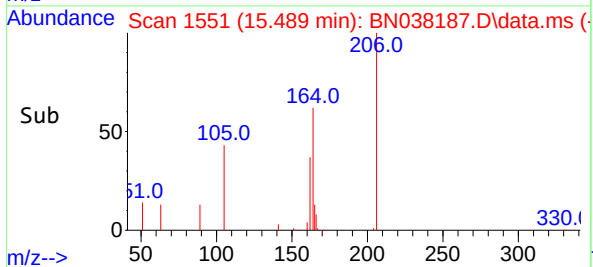
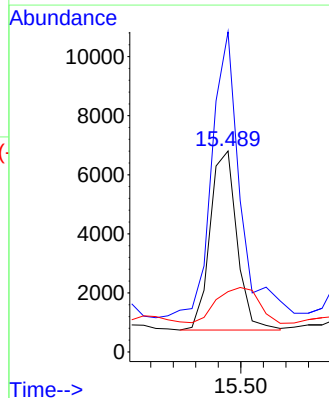
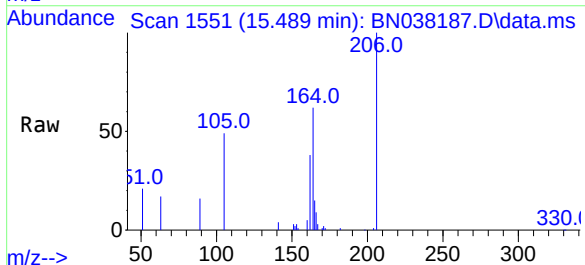
Instrument :
BNA_N
ClientSampleId :
MW-12

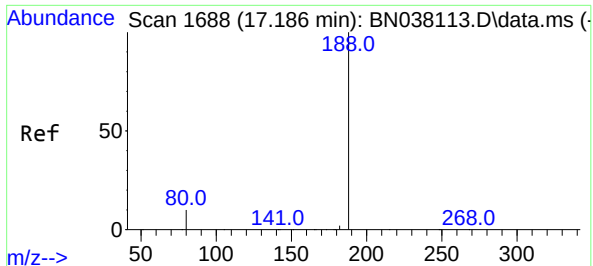
Tgt Ion:154 Resp: 8661
Ion Ratio Lower Upper
154 100
153 114.5 90.0 135.0
152 48.7 47.3 70.9



#18
Fluorene
Concen: 0.077 ng
RT: 15.489 min Scan# 1551
Delta R.T. -0.000 min
Lab File: BN038187.D
Acq: 12 Nov 2025 11:56

Tgt Ion:166 Resp: 10440
Ion Ratio Lower Upper
166 100
165 169.2 79.0 118.4#
167 30.3 10.7 16.1#





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 17.186 min Scan# 1

Delta R.T. -0.000 min

Lab File: BN038187.D

Acq: 12 Nov 2025 11:56

Instrument :

BNA_N

ClientSampleId :

MW-12

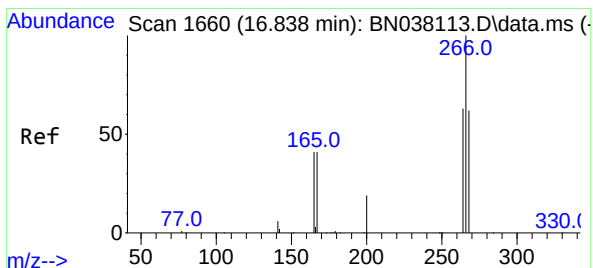
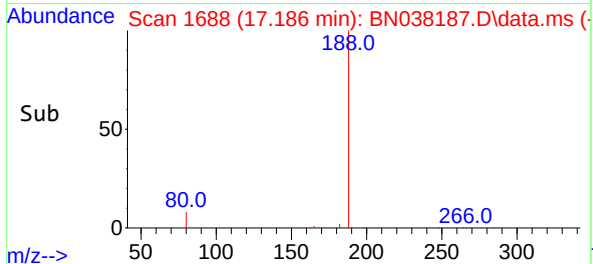
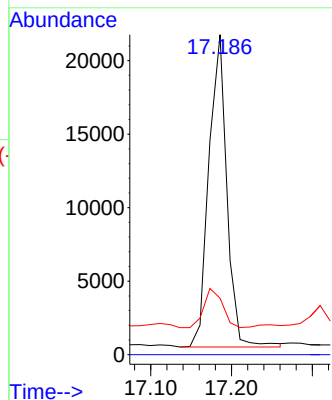
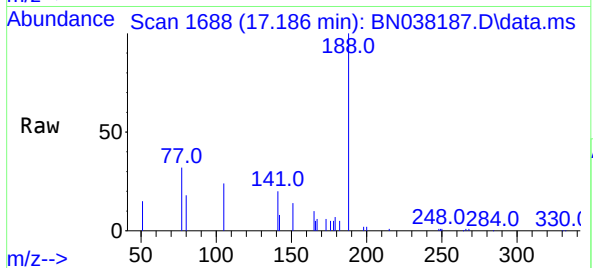
Tgt Ion:188 Resp: 32892

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

80 17.6 8.6 13.0#



#24

Pentachlorophenol

Concen: 0.054 ng

RT: 16.838 min Scan# 1660

Delta R.T. -0.000 min

Lab File: BN038187.D

Acq: 12 Nov 2025 11:56

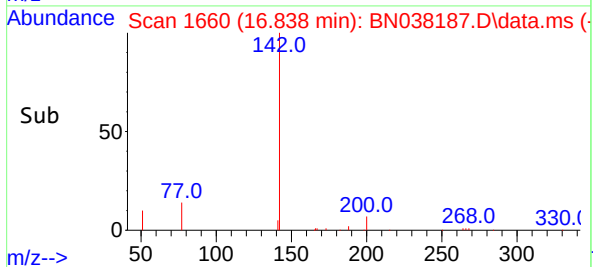
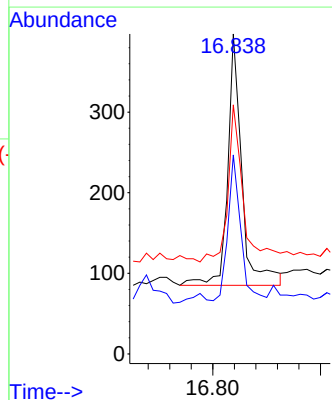
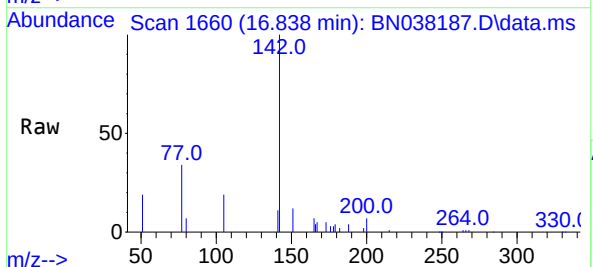
Tgt Ion:266 Resp: 572

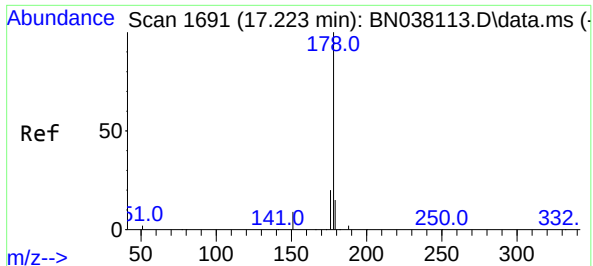
Ion Ratio Lower Upper

266 100

264 51.9 49.3 73.9

268 71.9 50.6 75.8

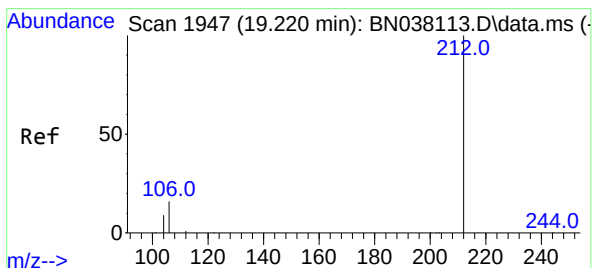
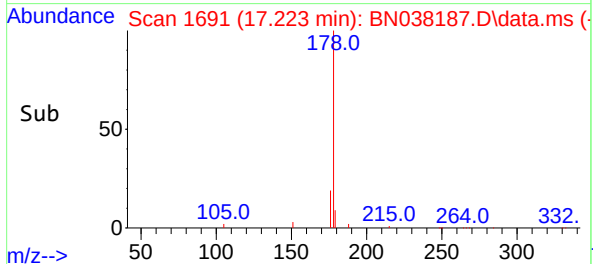
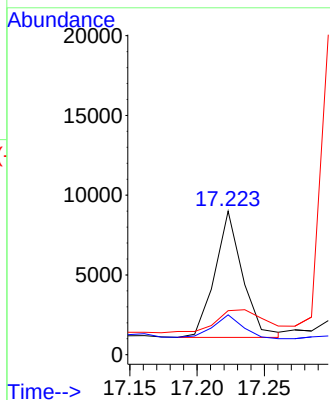
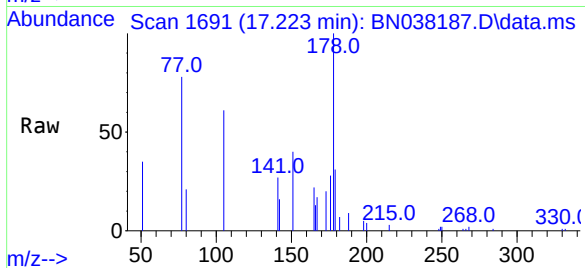




#25
Phenanthrene
Concen: 0.109 ng
RT: 17.223 min Scan# 1691
Delta R.T. -0.000 min
Lab File: BN038187.D
Acq: 12 Nov 2025 11:56

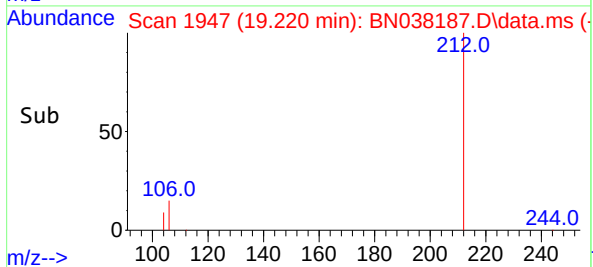
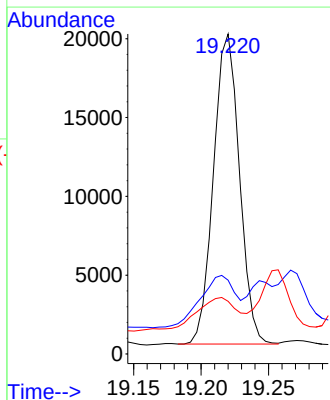
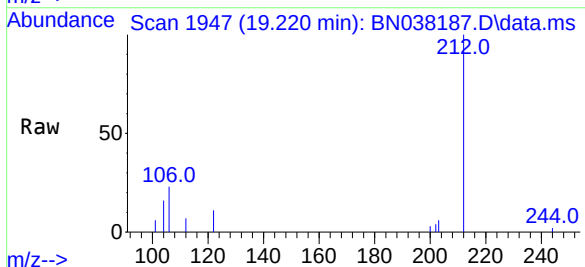
Instrument :
BNA_N
ClientSampleId :
MW-12

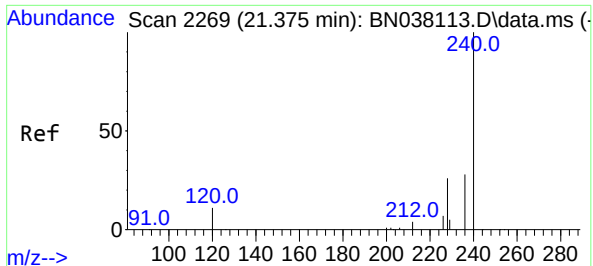
Tgt Ion:178 Resp: 11353
Ion Ratio Lower Upper
178 100
176 20.4 15.5 23.3
179 40.1 12.2 18.4#



#27
Fluoranthene-d10
Concen: 0.317 ng
RT: 19.220 min Scan# 1947
Delta R.T. -0.000 min
Lab File: BN038187.D
Acq: 12 Nov 2025 11:56

Tgt Ion:212 Resp: 26290
Ion Ratio Lower Upper
212 100
106 23.1 12.6 19.0#
104 19.1 7.1 10.7#

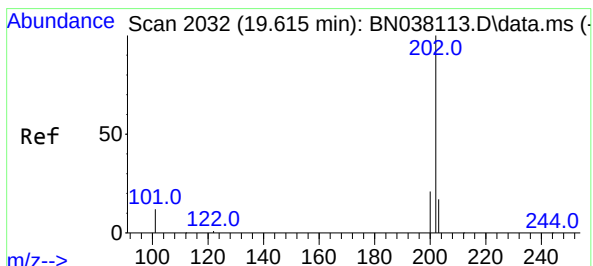
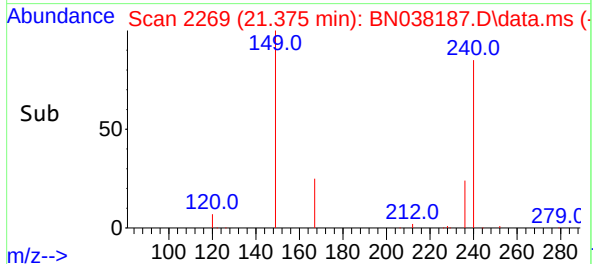
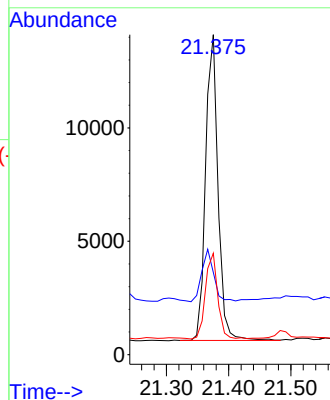
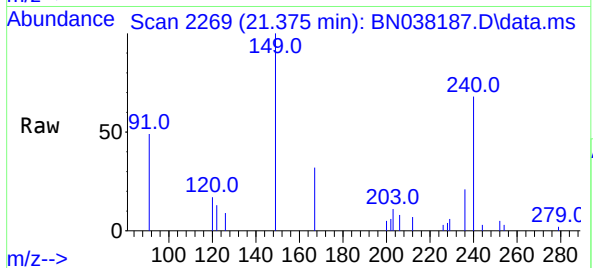




#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.375 min Scan# 21
Delta R.T. -0.000 min
Lab File: BN038187.D
Acq: 12 Nov 2025 11:56

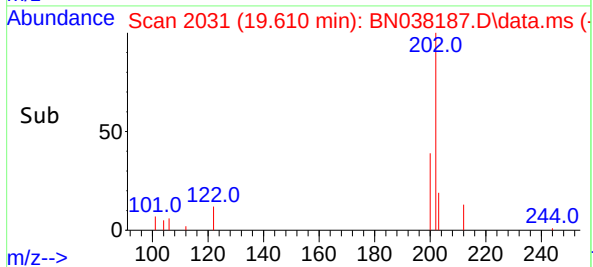
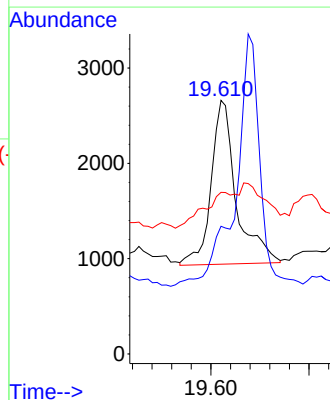
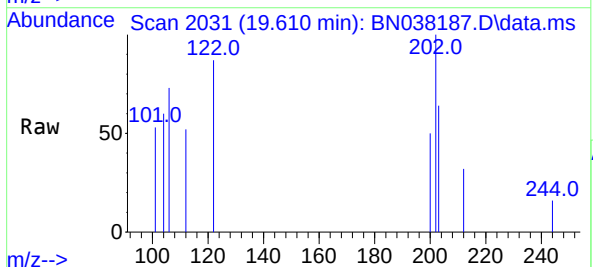
Instrument :
BNA_N
ClientSampleId :
MW-12

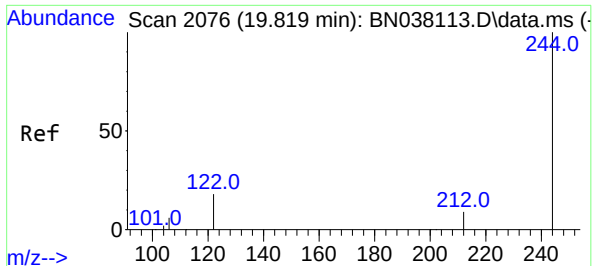
Tgt Ion:240 Resp: 18590
Ion Ratio Lower Upper
240 100
120 25.7 10.7 16.1#
236 31.7 23.1 34.7



#30
Pyrene
Concen: 0.037 ng
RT: 19.610 min Scan# 2031
Delta R.T. -0.000 min
Lab File: BN038187.D
Acq: 12 Nov 2025 11:56

Tgt Ion:202 Resp: 3065
Ion Ratio Lower Upper
202 100
200 0.0 16.7 25.1#
203 23.5 14.2 21.2#

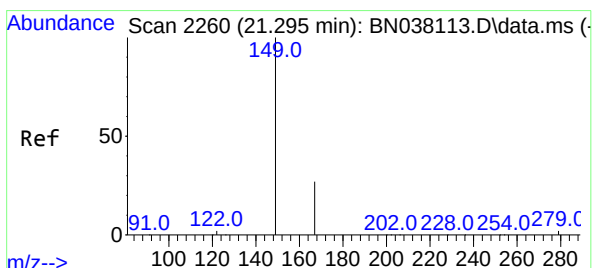
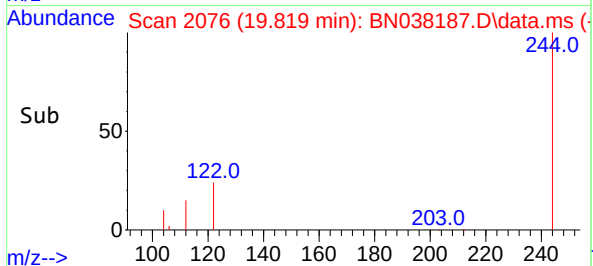
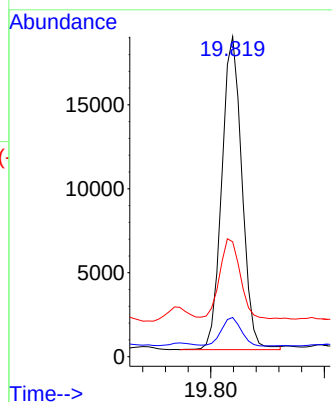
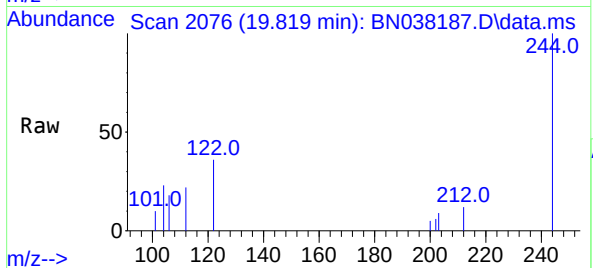




#31
Terphenyl-d14
Concen: 0.567 ng
RT: 19.819 min Scan# 2076
Delta R.T. -0.000 min
Lab File: BN038187.D
Acq: 12 Nov 2025 11:56

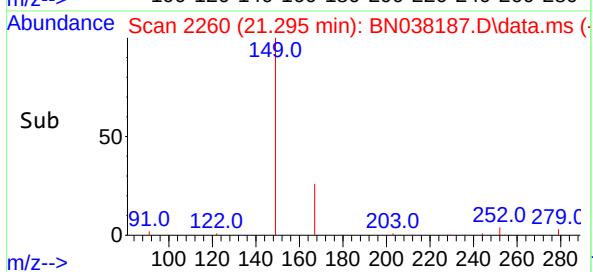
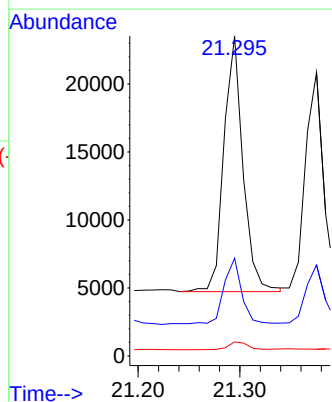
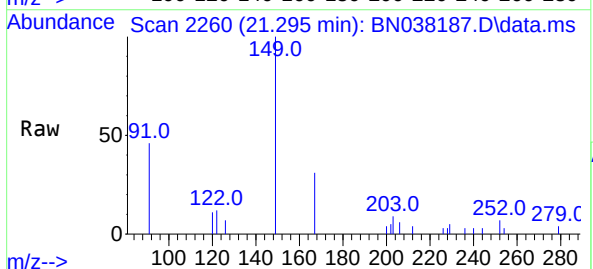
Instrument :
BNA_N
ClientSampleId :
MW-12

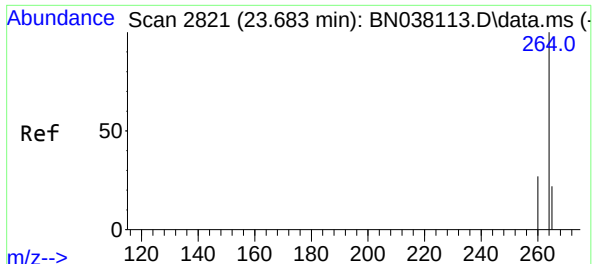
Tgt Ion:244 Resp: 22910
Ion Ratio Lower Upper
244 100
212 12.2 7.8 11.6#
122 35.9 15.2 22.8#



#34
Bis(2-ethylhexyl)phthalate
Concen: 0.700 ng
RT: 21.295 min Scan# 2260
Delta R.T. -0.000 min
Lab File: BN038187.D
Acq: 12 Nov 2025 11:56

Tgt Ion:149 Resp: 24436
Ion Ratio Lower Upper
149 100
167 23.2 21.1 31.7
279 3.2 2.9 4.3





#35

Perylene-d12

Concen: 0.400 ng

RT: 23.683 min Scan# 21

Delta R.T. 0.003 min

Lab File: BN038187.D

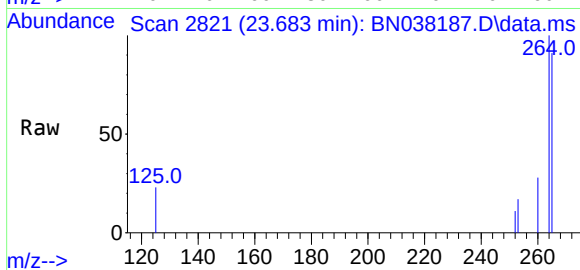
Acq: 12 Nov 2025 11:56

Instrument :

BNA_N

ClientSampleId :

MW-12



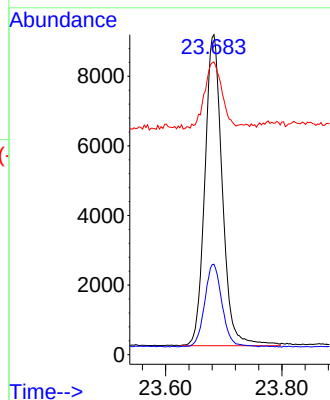
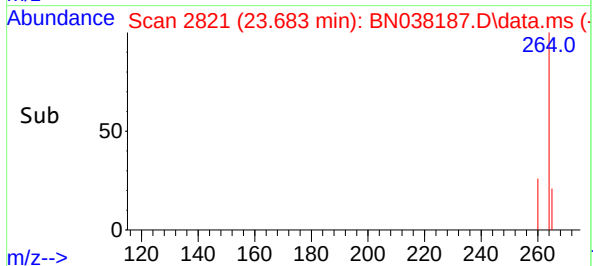
Tgt Ion:264 Resp: 18643

Ion Ratio Lower Upper

264 100

260 28.3 21.8 32.8

265 91.5 68.6 102.8





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

Report of Analysis

Client:	Remington & Vernick Engineers		Date Collected:	11/05/25
Project:	Edison Landfill		Date Received:	11/06/25
Client Sample ID:	MW-12DL		SDG No.:	Q3569
Lab Sample ID:	Q3569-02DL		Matrix:	Water
Analytical Method:	SW8270ESIM	Level: LOW	% Solid:	0
Sample Wt/Vol:	980 mL	Final Vol: 1000 uL	Test:	SVOC-SIMGroup1
Prep Method :	3510C	Prep Date: 11/11/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
TARGETS									
123-91-1	1,4-Dioxane	96.4	D	40	2.70	8.20	ug/L	11/12/25 16:11	PB170483
SURROGATES									
7297-45-2	2-Methylnaphthalene-d10	0.36			30 (47) - 150 (106)	90%	SPK: 0.4		
93951-69-0	Fluoranthene-d10	0.36			30 (54) - 150 (157)	90%	SPK: 0.4		
4165-60-0	Nitrobenzene-d5	0.60	*		30 (56) - 130 (116)	150%	SPK: 0.4		
321-60-8	2-Fluorobiphenyl	0.52			30 (50) - 130 (126)	130%	SPK: 0.4		
1718-51-0	Terphenyl-d14	0.76	*		30 (54) - 130 (175)	190%	SPK: 0.4		
INTERNAL STANDARDS		Area Count							
3855-82-1	1,4-Dichlorobenzene-d4	7910							
1146-65-2	Naphthalene-d8	24600							
15067-26-2	Acenaphthene-d10	14700							
1517-22-2	Phenanthrene-d10	27000							
1719-03-5	Chrysene-d12	14500							
1520-96-3	Perylene-d12	13400							

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\BN111225\
 Data File : BN038194.D
 Acq On : 12 Nov 2025 16:11
 Operator : RC/JU
 Sample : Q3569-02DL 40X
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 MW-12DL

Quant Time: Nov 12 16:35:08 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN102825.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Oct 29 13:09:46 2025
 Response via : Initial Calibration

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

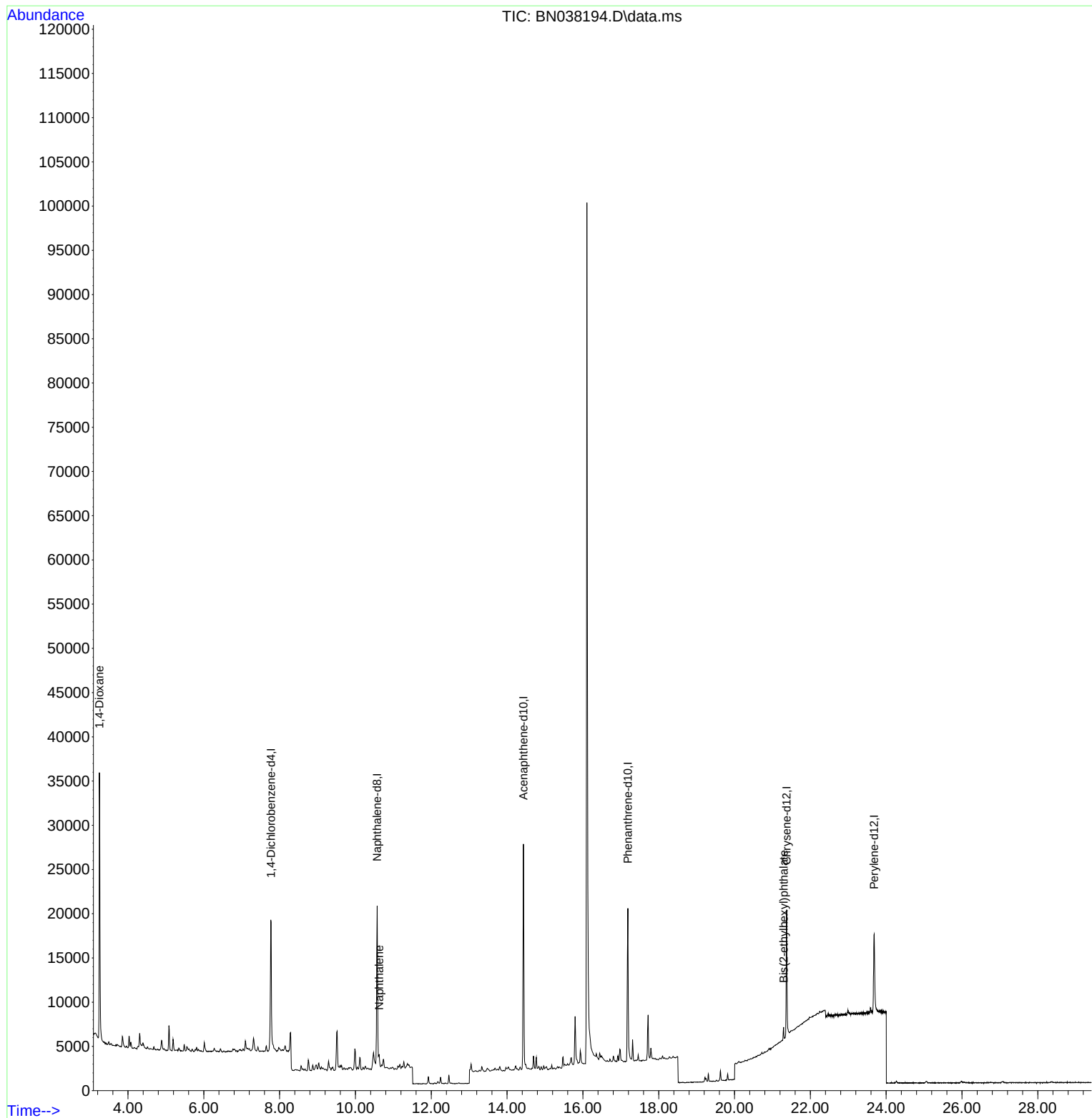
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.775	152	7912	0.400	ng	0.00
7) Naphthalene-d8	10.573	136	24631	0.400	ng	# 0.00
13) Acenaphthene-d10	14.430	164	14683	0.400	ng	0.00
19) Phenanthrene-d10	17.186	188	26976	0.400	ng	0.00
29) Chrysene-d12	21.375	240	14468	0.400	ng	0.00
35) Perylene-d12	23.683	264	13395	0.400	ng	# 0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.348	112	139	0.007	ng	0.00
5) Phenol-d6	6.944	99	111	0.005	ng	0.00
8) Nitrobenzene-d5	8.929	82	302	0.015	ng	0.00
11) 2-Methylnaphthalene-d10	12.172	152	308	0.009	ng	0.00
14) 2,4,6-Tribromophenol	15.932	330	71	0.012	ng	0.00
15) 2-Fluorobiphenyl	13.051	172	778	0.013	ng	0.00
27) Fluoranthene-d10	19.220	212	583	0.009	ng	0.00
31) Terphenyl-d14	19.819	244	600	0.019	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.247	88	19311	2.362	ng	99
9) Naphthalene	10.626	128	2053	0.030	ng	# 84
34) Bis(2-ethylhexyl)phtha...	21.295	149	1389	0.051	ng	# 93

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

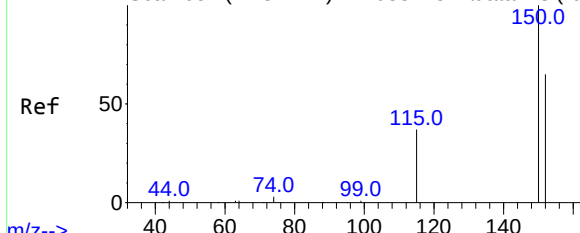
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN111225\
Data File : BN038194.D
Acq On : 12 Nov 2025 16:11
Operator : RC/JU
Sample : Q3569-02DL 40X
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
MW-12DL

Quant Time: Nov 12 16:35:08 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN102825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Oct 29 13:09:46 2025
Response via : Initial Calibration



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



#1

1,4-Dichlorobenzene-d4

Concen: 0.400 ng

RT: 7.775 min Scan# 6

Delta R.T. -0.000 min

Lab File: BN038194.D

Acq: 12 Nov 2025 16:11

Instrument :

BNA_N

ClientSampleId :

MW-12DL

Tgt Ion:152 Resp: 7912

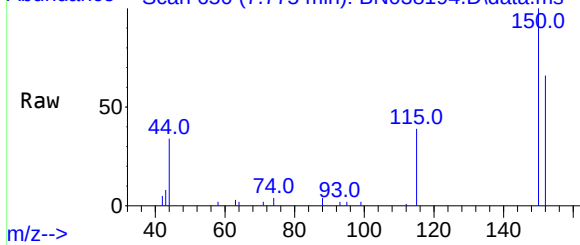
Ion Ratio Lower Upper

152 100

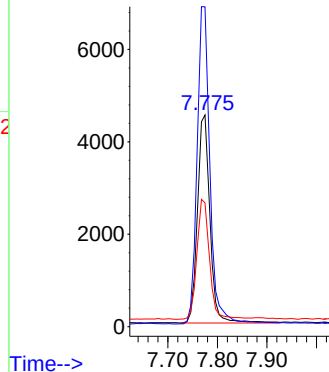
150 151.1 122.3 183.5

115 58.5 47.4 71.0

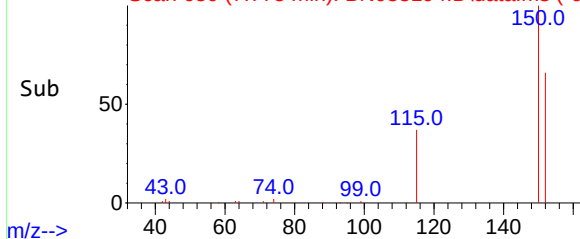
Abundance Scan 650 (7.775 min): BN038194.D\data.ms



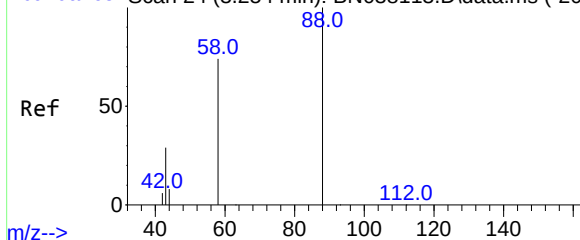
Abundance



Abundance Scan 650 (7.775 min): BN038194.D\data.ms (-62



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



#2

1,4-Dioxane

Concen: 2.362 ng

RT: 3.247 min Scan# 23

Delta R.T. -0.007 min

Lab File: BN038194.D

Acq: 12 Nov 2025 16:11

Tgt Ion: 88 Resp: 19311

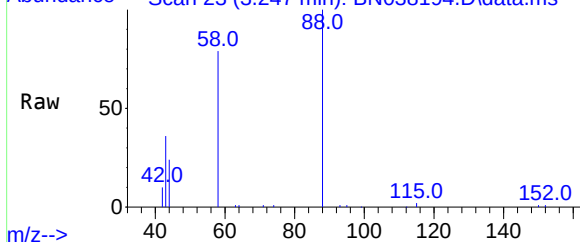
Ion Ratio Lower Upper

88 100

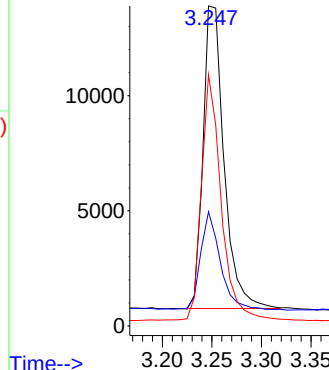
43 31.0 24.3 36.5

58 76.7 60.4 90.6

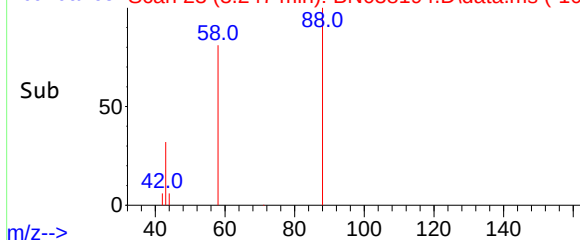
Abundance Scan 23 (3.247 min): BN038194.D\data.ms



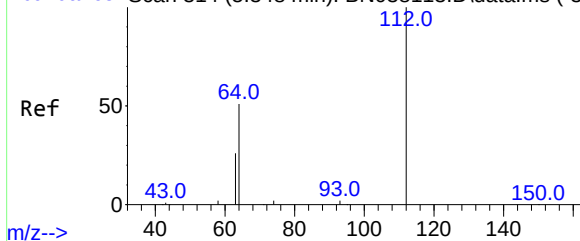
Abundance



Abundance Scan 23 (3.247 min): BN038194.D\data.ms (-10)



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



#4

2-Fluorophenol

Concen: 0.007 ng

RT: 5.348 min Scan# 31

Delta R.T. -0.000 min

Lab File: BN038194.D

Acq: 12 Nov 2025 16:11

Instrument :

BNA_N

ClientSampleId :

MW-12DL

Tgt Ion:112 Resp: 139

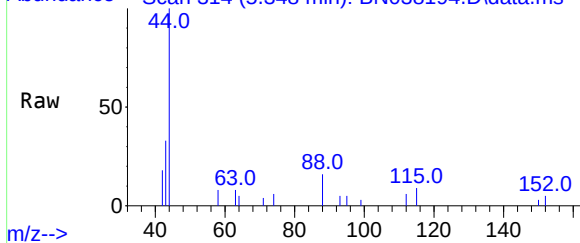
Ion Ratio Lower Upper

112 100

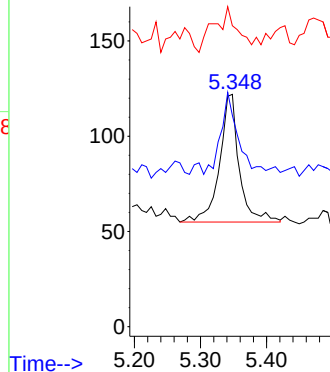
64 56.1 45.4 68.0

63 42.4 23.2 34.8#

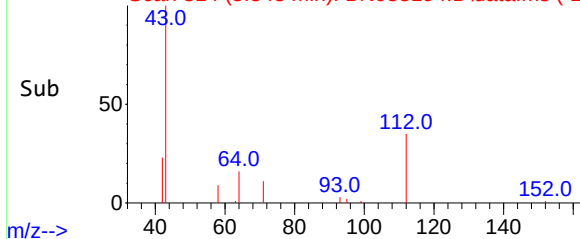
Abundance Scan 314 (5.348 min): BN038194.D\data.ms



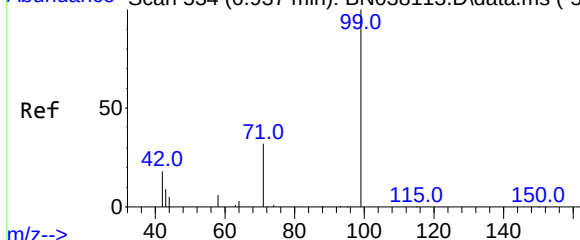
Abundance



Abundance Scan 314 (5.348 min): BN038194.D\data.ms (-28



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



#5

Phenol-d6

Concen: 0.005 ng

RT: 6.944 min Scan# 535

Delta R.T. 0.007 min

Lab File: BN038194.D

Acq: 12 Nov 2025 16:11

Tgt Ion: 99 Resp: 111

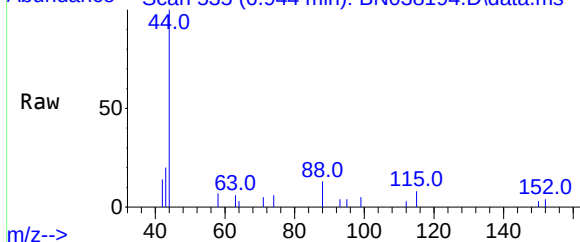
Ion Ratio Lower Upper

99 100

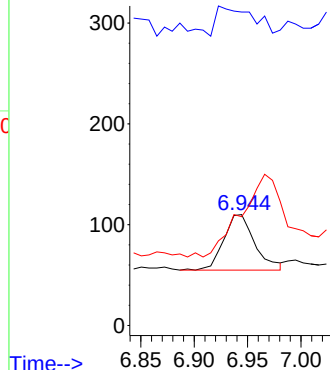
42 0.0 16.6 24.8#

71 0.0 25.4 38.2#

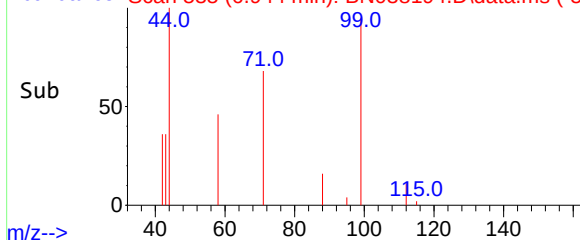
Abundance Scan 535 (6.944 min): BN038194.D\data.ms

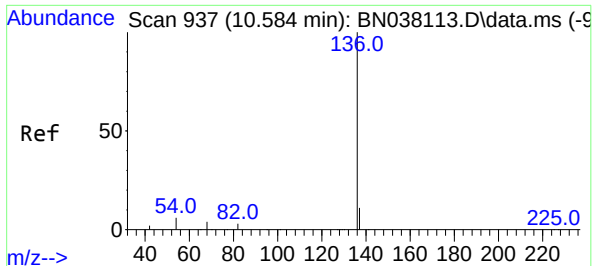


Abundance



Abundance Scan 535 (6.944 min): BN038194.D\data.ms (-50

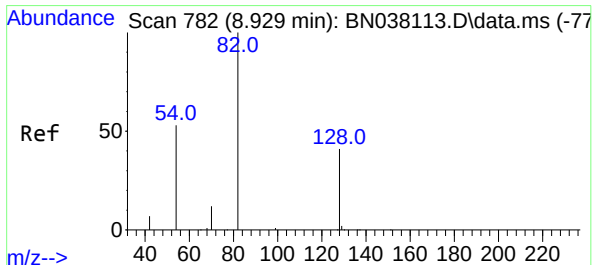
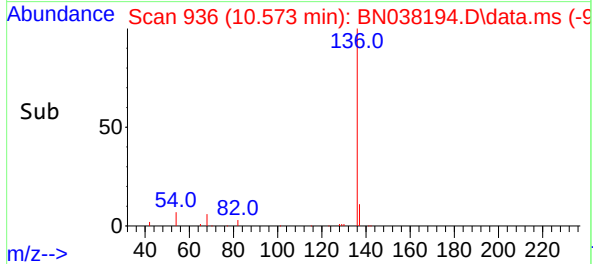
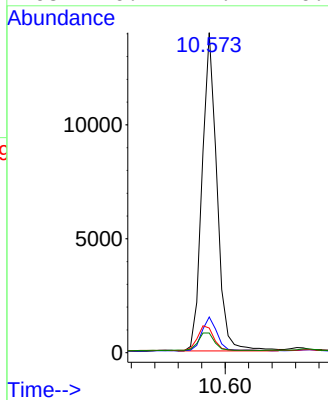
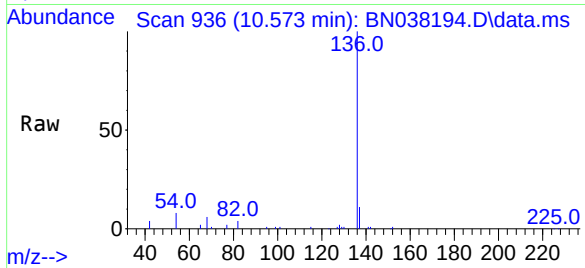




#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.573 min Scan# 91
Delta R.T. -0.000 min
Lab File: BN038194.D
Acq: 12 Nov 2025 16:11

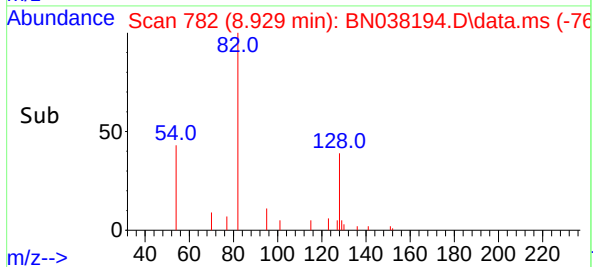
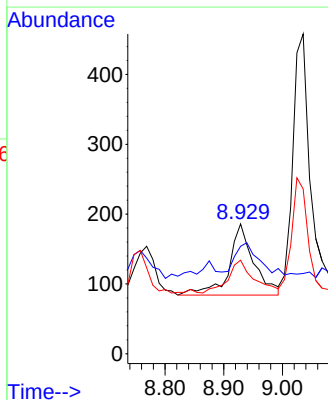
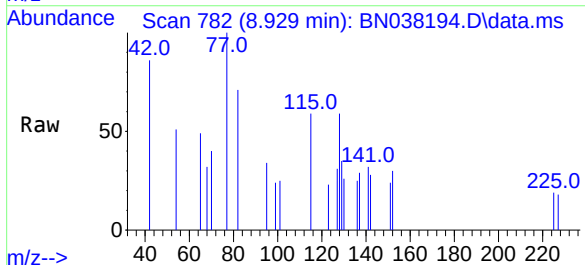
Instrument :
BNA_N
ClientSampleId :
MW-12DL

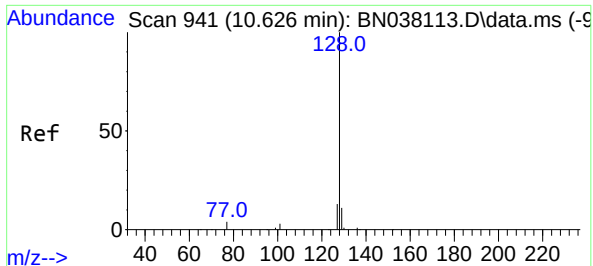
Tgt Ion:136 Resp: 24631
Ion Ratio Lower Upper
136 100
137 11.2 9.0 13.4
54 7.7 5.2 7.8
68 6.1 4.1 6.1#



#8
Nitrobenzene-d5
Concen: 0.015 ng
RT: 8.929 min Scan# 782
Delta R.T. -0.000 min
Lab File: BN038194.D
Acq: 12 Nov 2025 16:11

Tgt Ion: 82 Resp: 302
Ion Ratio Lower Upper
82 100
128 82.8 34.1 51.1#
54 72.0 43.5 65.3#

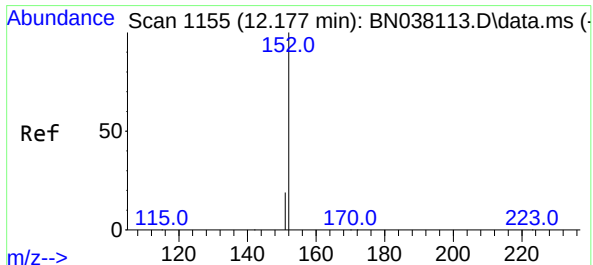
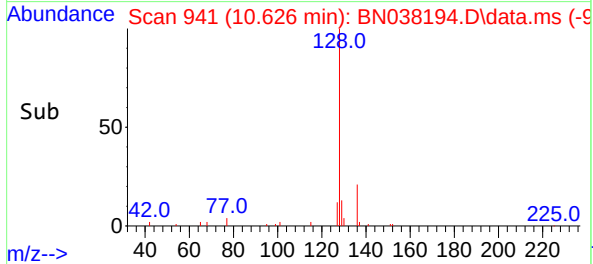
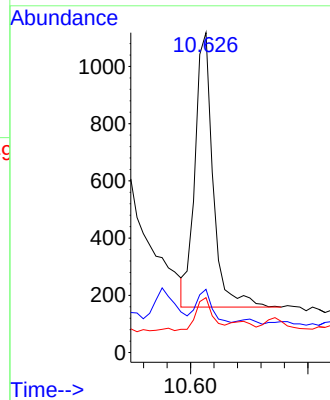
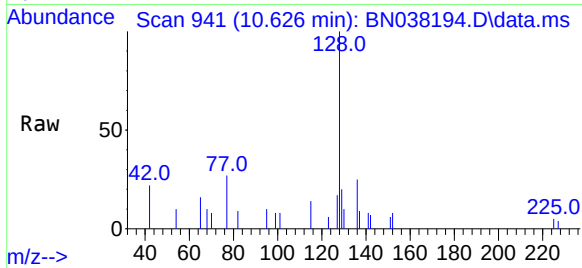




#9
Naphthalene
Concen: 0.030 ng
RT: 10.626 min Scan# 941
Delta R.T. -0.000 min
Lab File: BN038194.D
Acq: 12 Nov 2025 16:11

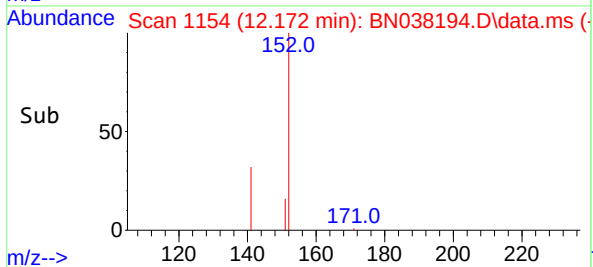
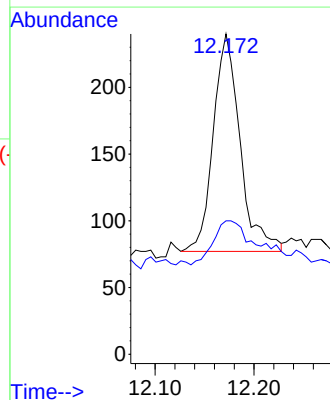
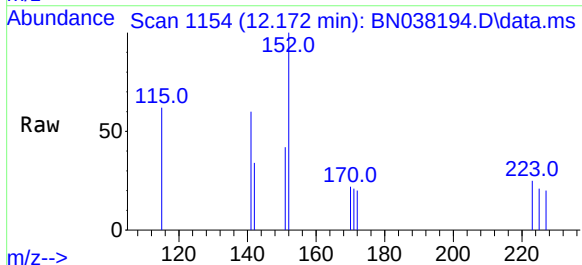
Instrument :
BNA_N
ClientSampleId :
MW-12DL

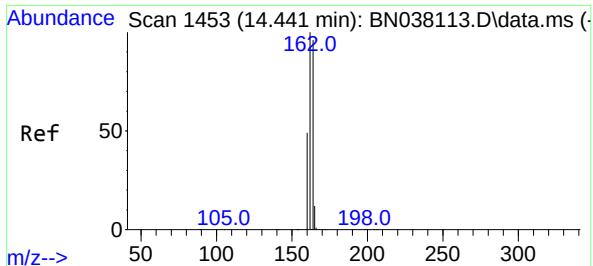
Tgt Ion:128 Resp: 2053
Ion Ratio Lower Upper
128 100
129 19.8 9.1 13.7#
127 17.2 10.5 15.7#



#11
2-Methylnaphthalene-d10
Concen: 0.009 ng
RT: 12.172 min Scan# 1154
Delta R.T. -0.005 min
Lab File: BN038194.D
Acq: 12 Nov 2025 16:11

Tgt Ion:152 Resp: 308
Ion Ratio Lower Upper
152 100
151 32.5 16.8 25.2#

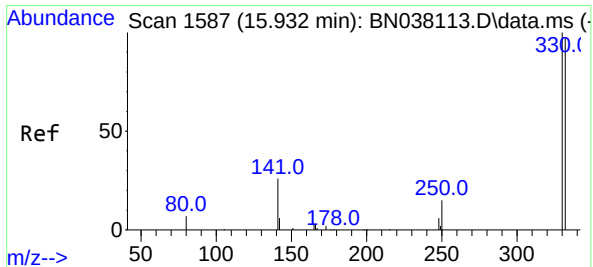
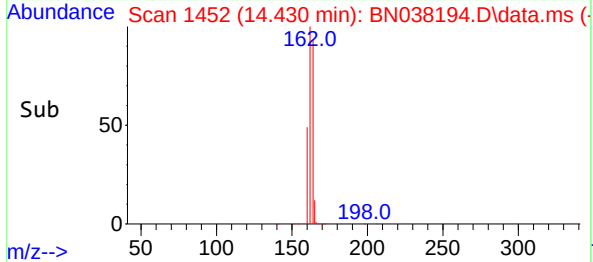
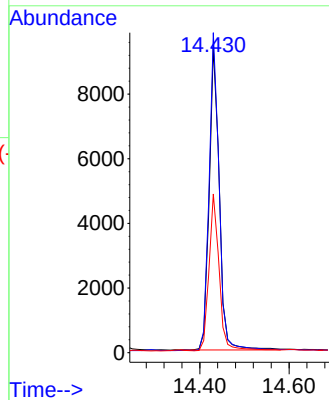
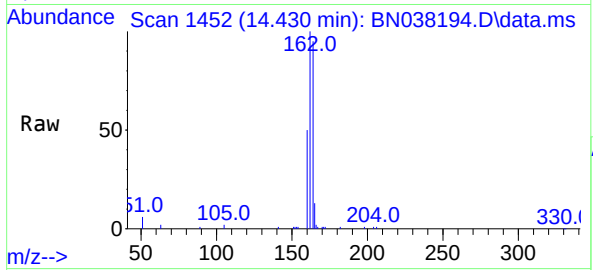




#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.430 min Scan# 1453
Delta R.T. -0.000 min
Lab File: BN038194.D
Acq: 12 Nov 2025 16:11

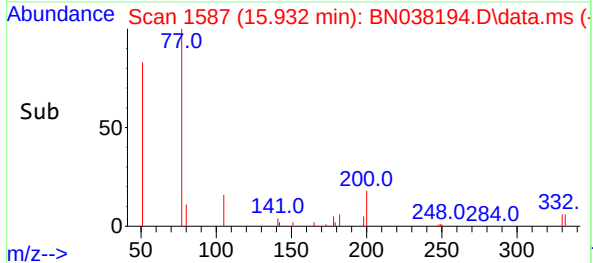
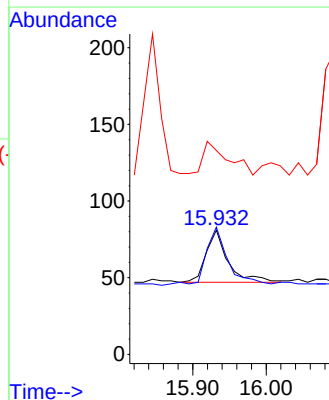
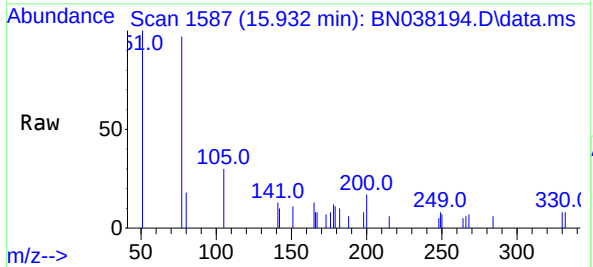
Instrument :
BNA_N
ClientSampleId :
MW-12DL

Tgt Ion:164 Resp: 14683
Ion Ratio Lower Upper
164 100
162 104.9 83.0 124.4
160 52.0 40.7 61.1

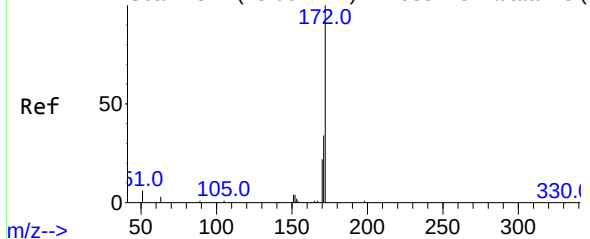


#14
2,4,6-Tribromophenol
Concen: 0.012 ng
RT: 15.932 min Scan# 1587
Delta R.T. 0.000 min
Lab File: BN038194.D
Acq: 12 Nov 2025 16:11

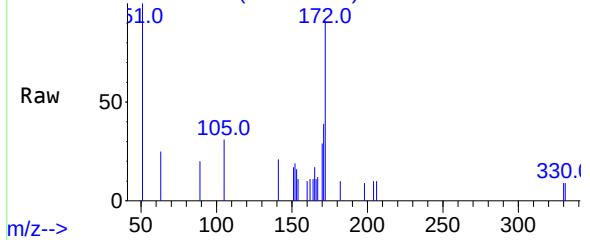
Tgt Ion:330 Resp: 71
Ion Ratio Lower Upper
330 100
332 112.7 76.6 114.8
141 85.9 34.1 51.1#



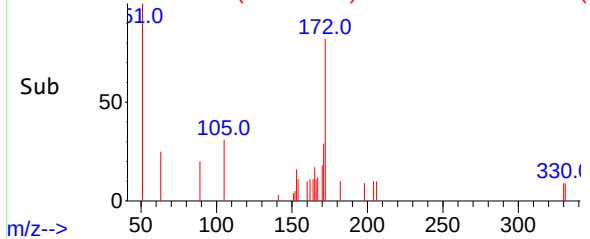
Abundance Scan 1324 (13.062 min): BN038113.D\data.ms (-



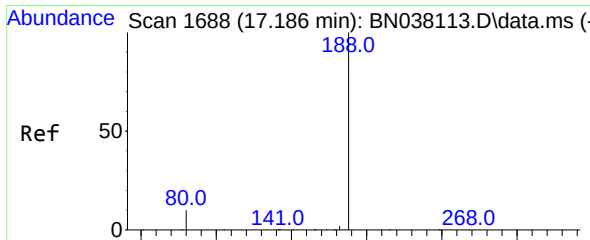
m/z--> Abundance Scan 1323 (13.051 min): BN038194.D\data.ms (-



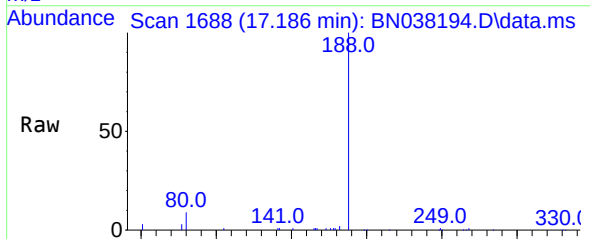
m/z--> Abundance Scan 1323 (13.051 min): BN038194.D\data.ms (-



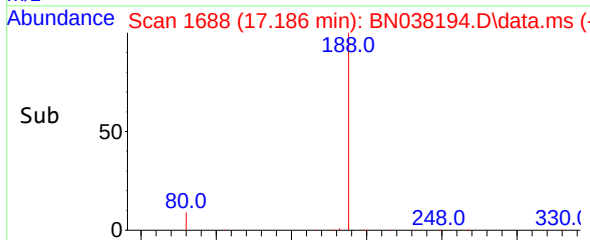
m/z--> Abundance Scan 1688 (17.186 min): BN038113.D\data.ms (-



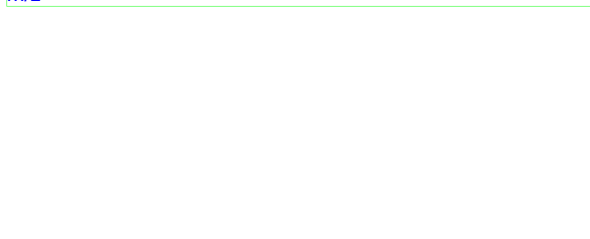
m/z--> Abundance Scan 1688 (17.186 min): BN038194.D\data.ms (-



m/z--> Abundance Scan 1688 (17.186 min): BN038194.D\data.ms (-



m/z--> Abundance Scan 1324 (13.062 min): BN038113.D\data.ms (-



m/z--> Abundance Scan 1323 (13.051 min): BN038194.D\data.ms (-

m/z--> Abundance Scan 1323 (13.051 min): BN038194.D\data.ms (-

m/z--> Abundance Scan 1323 (13.051 min): BN038194.D\data.ms (-

m/z--> Abundance Scan 1323 (13.051 min): BN038194.D\data.ms (-

m/z--> Abundance Scan 1323 (13.051 min): BN038194.D\data.ms (-

m/z--> Abundance Scan 1323 (13.051 min): BN038194.D\data.ms (-

m/z--> Abundance Scan 1323 (13.051 min): BN038194.D\data.ms (-

m/z--> Abundance Scan 1323 (13.051 min): BN038194.D\data.ms (-

m/z--> Abundance Scan 1323 (13.051 min): BN038194.D\data.ms (-

#15

2-Fluorobiphenyl

Concen: 0.013 ng

RT: 13.051 min Scan# 1323

Delta R.T. -0.000 min

Lab File: BN038194.D

Acq: 12 Nov 2025 16:11

Instrument :

BNA_N

ClientSampleId :

MW-12DL

Tgt Ion:172 Resp: 778

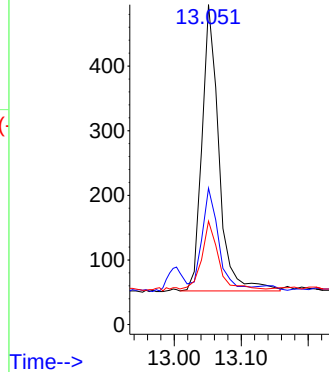
Ion Ratio Lower Upper

172 100

171 42.6 27.8 41.6#

170 32.3 18.1 27.1#

Abundance



#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 17.186 min Scan# 1688

Delta R.T. -0.000 min

Lab File: BN038194.D

Acq: 12 Nov 2025 16:11

Tgt Ion:188 Resp: 26976

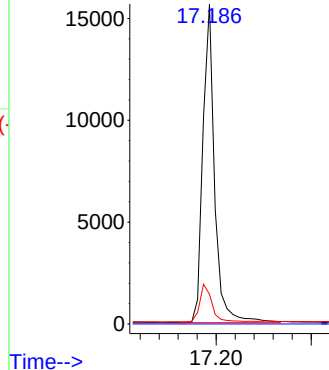
Ion Ratio Lower Upper

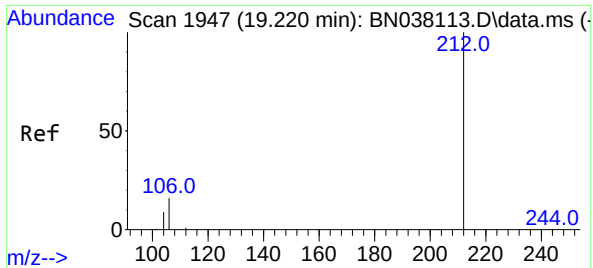
188 100

94 0.0 0.0 0.0

80 9.3 8.6 13.0

Abundance

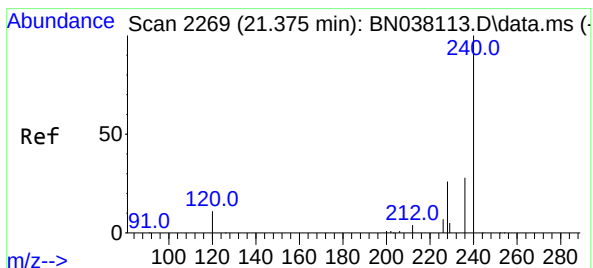
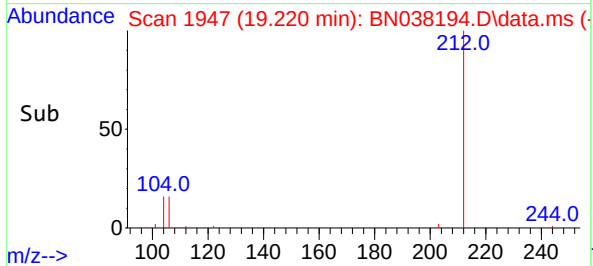
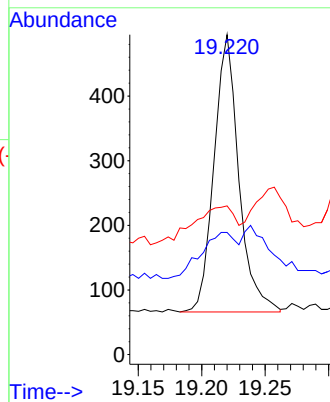
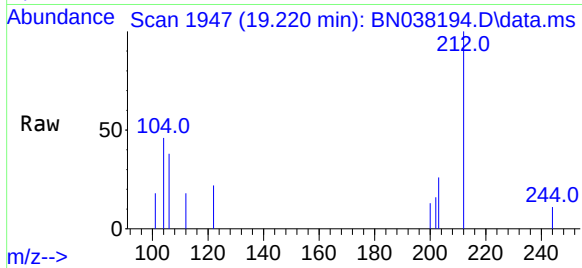




#27
Fluoranthene-d10
Concen: 0.009 ng
RT: 19.220 min Scan# 1947
Delta R.T. -0.000 min
Lab File: BN038194.D
Acq: 12 Nov 2025 16:11

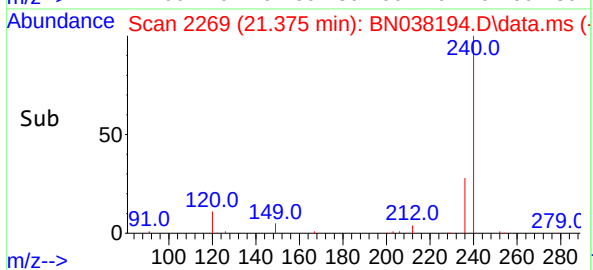
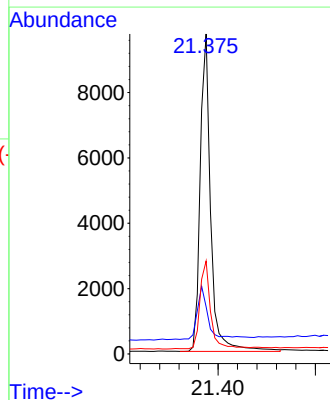
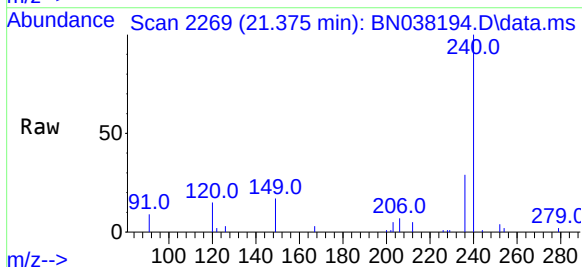
Instrument :
BNA_N
ClientSampleId :
MW-12DL

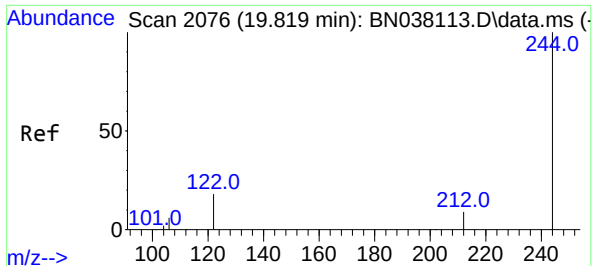
Tgt Ion:212 Resp: 583
Ion Ratio Lower Upper
212 100
106 25.7 12.6 19.0#
104 21.6 7.1 10.7#



#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.375 min Scan# 2269
Delta R.T. -0.000 min
Lab File: BN038194.D
Acq: 12 Nov 2025 16:11

Tgt Ion:240 Resp: 14468
Ion Ratio Lower Upper
240 100
120 14.8 10.7 16.1
236 29.1 23.1 34.7

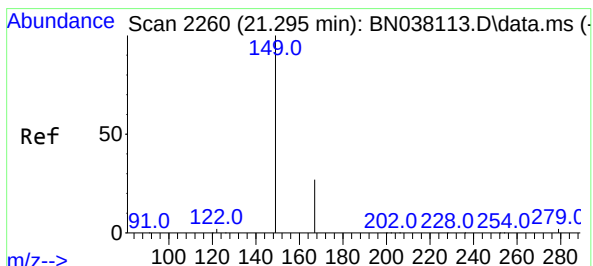
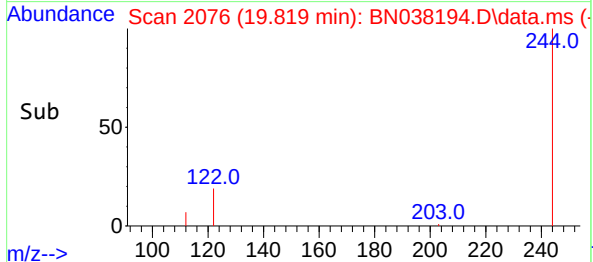
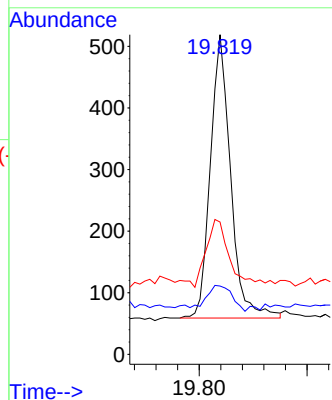
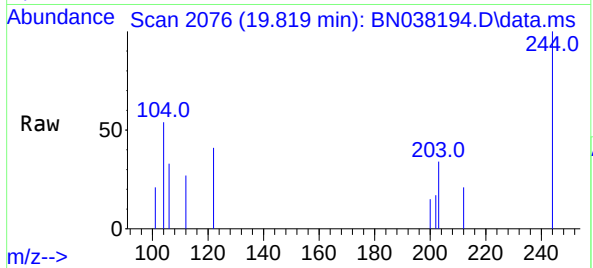




#31
Terphenyl-d14
Concen: 0.019 ng
RT: 19.819 min Scan# 2076
Delta R.T. -0.000 min
Lab File: BN038194.D
Acq: 12 Nov 2025 16:11

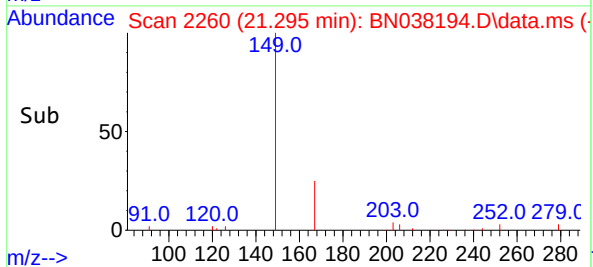
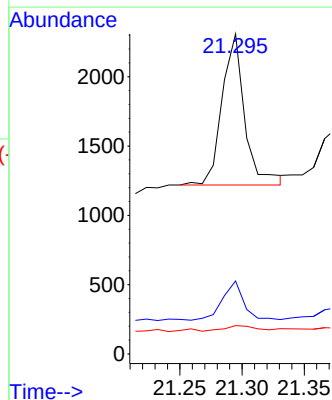
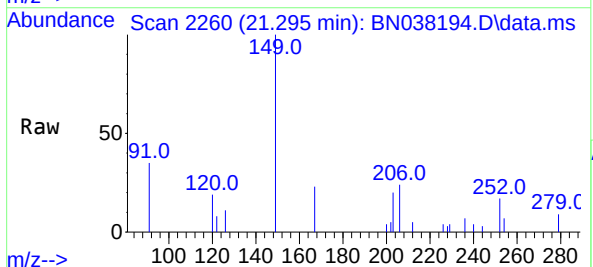
Instrument :
BNA_N
ClientSampleId :
MW-12DL

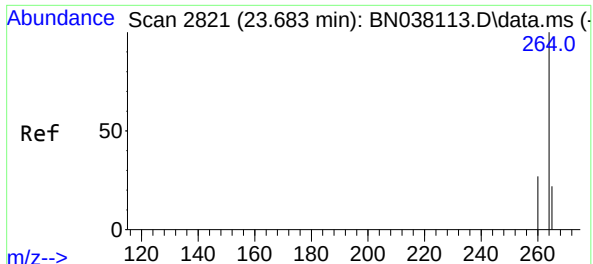
Tgt Ion:244 Resp: 600
Ion Ratio Lower Upper
244 100
212 21.4 7.8 11.6#
122 41.4 15.2 22.8#



#34
Bis(2-ethylhexyl)phthalate
Concen: 0.051 ng
RT: 21.295 min Scan# 2260
Delta R.T. -0.000 min
Lab File: BN038194.D
Acq: 12 Nov 2025 16:11

Tgt Ion:149 Resp: 1389
Ion Ratio Lower Upper
149 100
167 22.8 21.1 31.7
279 5.1 2.9 4.3#





#35

Perylene-d12

Concen: 0.400 ng

RT: 23.683 min Scan# 21

Delta R.T. 0.003 min

Lab File: BN038194.D

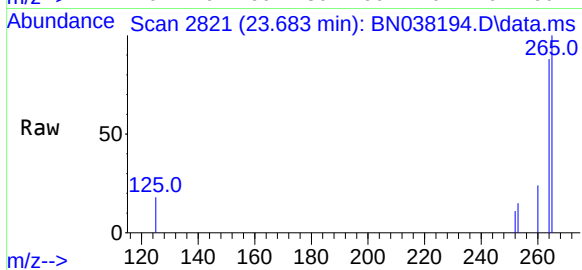
Acq: 12 Nov 2025 16:11

Instrument :

BNA_N

ClientSampleId :

MW-12DL



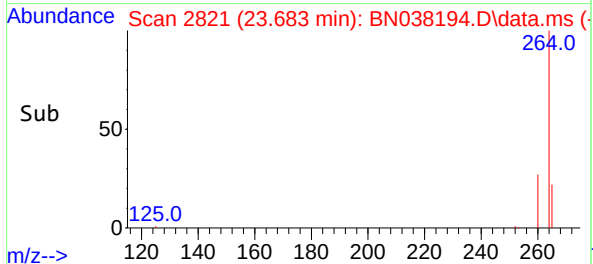
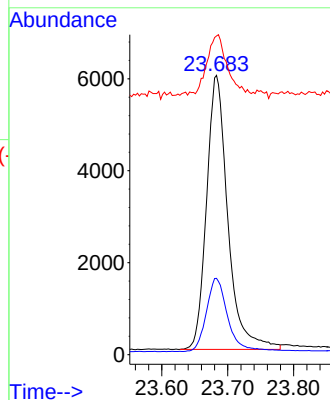
Tgt Ion:264 Resp: 13395

Ion Ratio Lower Upper

264 100

260 27.3 21.8 32.8

265 114.1 68.6 102.8#





CALIBRATION SUMMARY



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

6C

SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: AllianceContract: REMI02Lab Code: ACESDG No.: Q3569Instrument ID: BNA_NCalibration Date(s): 10/28/2025 10/28/2025Calibration Time(s): 13:00 16:38

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

All other compounds must meet a minimum RRF of 0.010.

Form VI SV-1

Method Path : Z:\svoasrv\HPCHEM1\BNA_N\Methods\
 Method File : 8270-SIM-BN102825.M
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 Last Update : Wed Oct 29 13:09:46 2025
 Response Via : Initial Calibration

Calibration Files

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

	Compound	0.1	0.2	0.4	0.8	1.6	3.2	5	Avg	%RSD

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

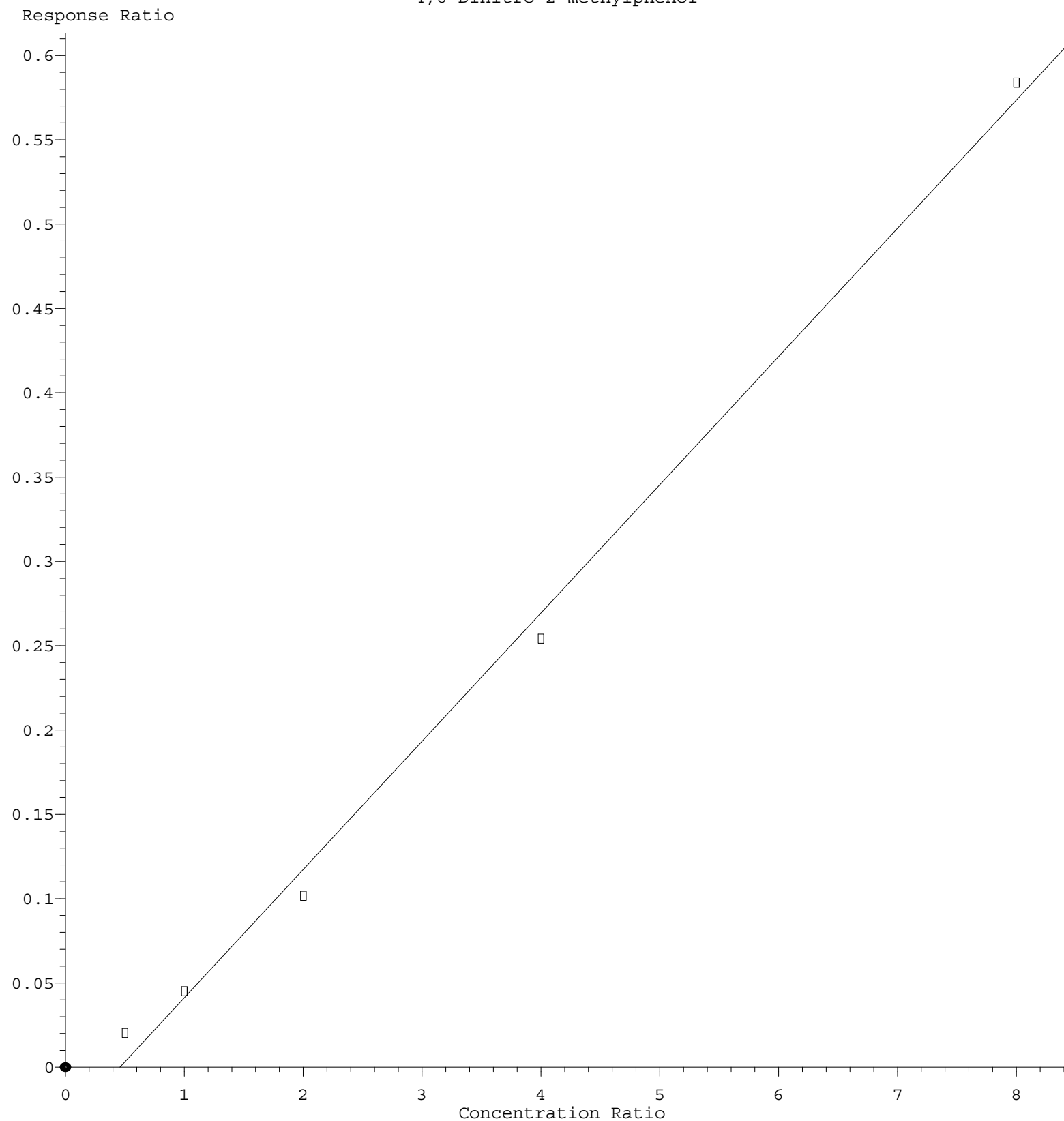
Method Path : Z:\svoasrv\HPCHEM1\BNA_N\Methods\

Method File : 8270-SIM-BN102825.M

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

(#) = Out of Range

4,6-Dinitro-2-methylphenol



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

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

Instrument :
 BNA_N
 ClientSampleId :
 SSTDICC0.1

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

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

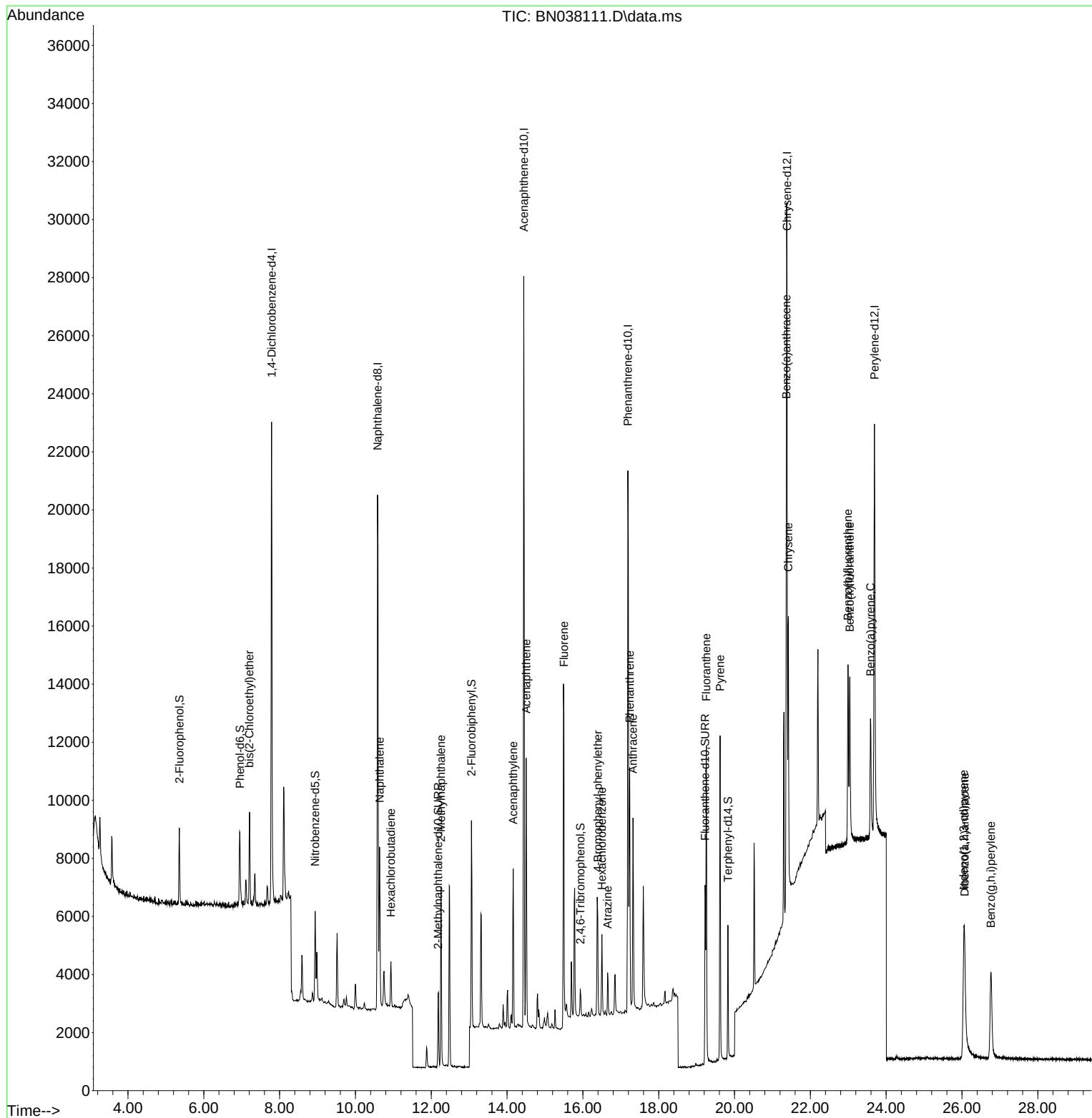
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.789	152	8239	0.400	ng	0.01
7) Naphthalene-d8	10.584	136	24762	0.400	ng	# 0.01
13) Acenaphthene-d10	14.441	164	14233	0.400	ng	0.01
19) Phenanthrene-d10	17.186	188	28114	0.400	ng	# 0.00
29) Chrysene-d12	21.384	240	22622	0.400	ng	0.00
35) Perylene-d12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

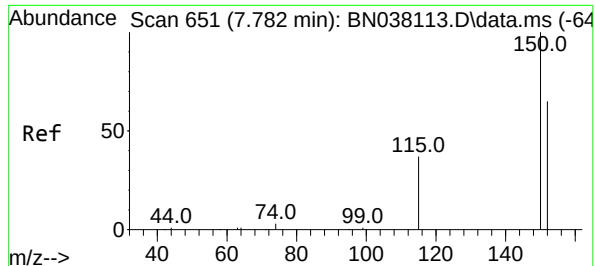
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Data File : BN038111.D
Acq On : 28 Oct 2025 13:00
Operator : RC/JU
Sample : SSTDICC0.1
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.1

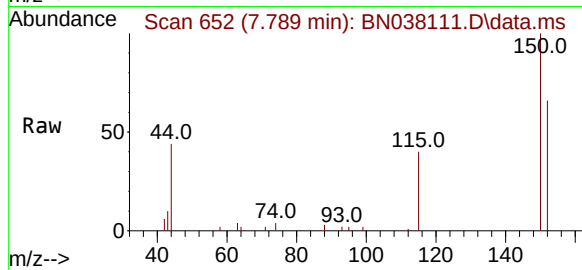
Quant Time: Oct 28 17:31:34 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN102825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Oct 28 17:15:13 2025
Response via : Initial Calibration



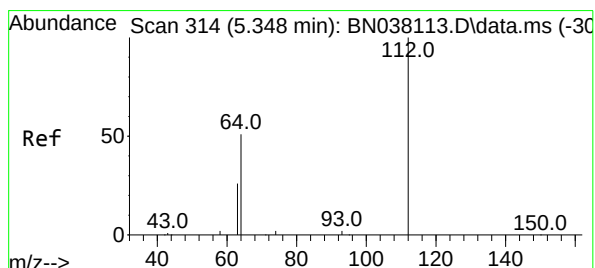
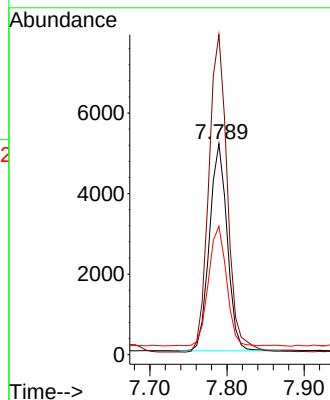
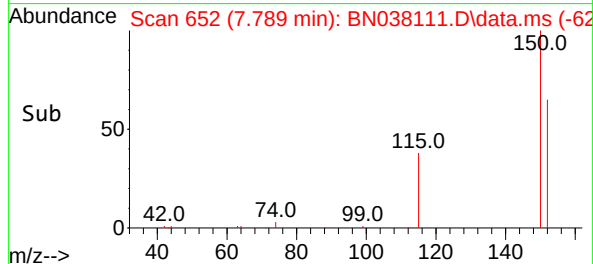


#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.789 min Scan# 61
Delta R.T. 0.014 min
Lab File: BN038111.D
Acq: 28 Oct 2025 13:00

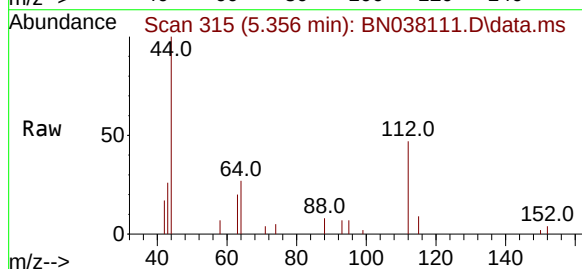
Instrument :
BNA_N
ClientSampleId :
SSTDICC0.1



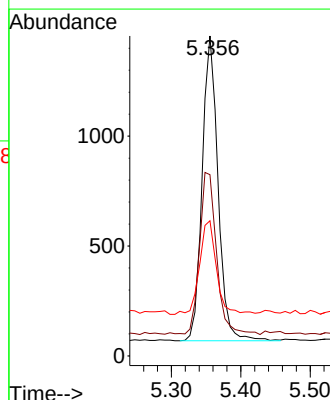
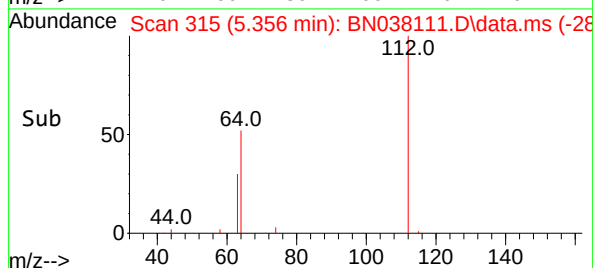
Tgt Ion:152 Resp: 8239
Ion Ratio Lower Upper
152 100
150 151.7 122.3 183.5
115 60.8 47.4 71.0

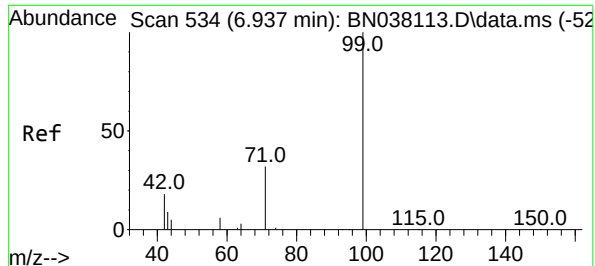


#4
2-Fluorophenol
Concen: 0.113 ng
RT: 5.356 min Scan# 315
Delta R.T. 0.007 min
Lab File: BN038111.D
Acq: 28 Oct 2025 13:00



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

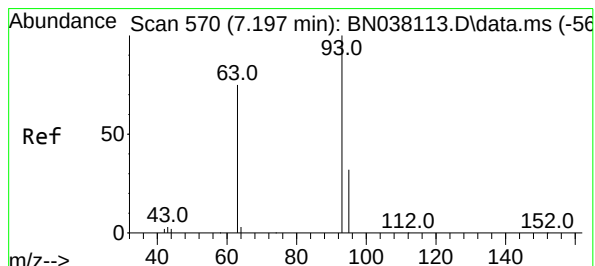
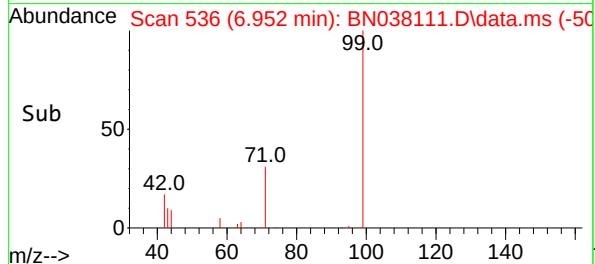
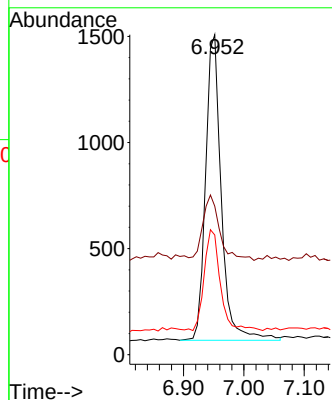
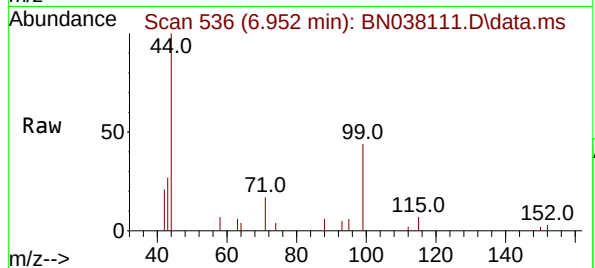




#5
Phenol-d6
Concen: 0.110 ng
RT: 6.952 min Scan# 511
Delta R.T. 0.015 min
Lab File: BN038111.D
Acq: 28 Oct 2025 13:00

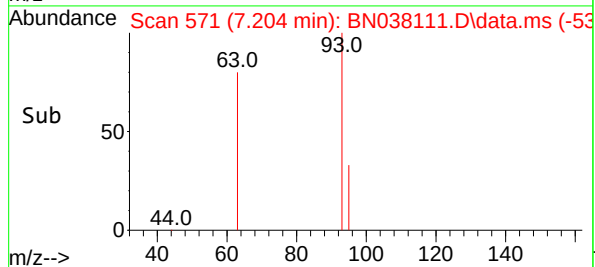
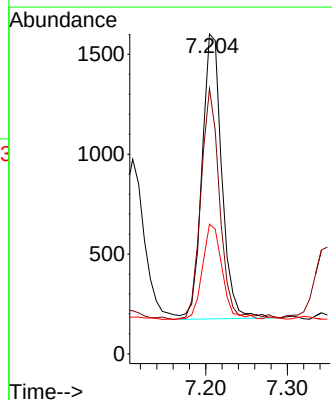
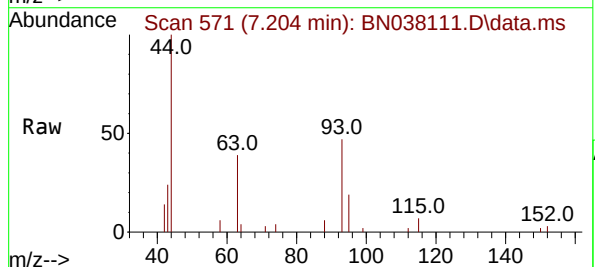
Instrument :
BNA_N
ClientSampleId :
SSTDICC0.1

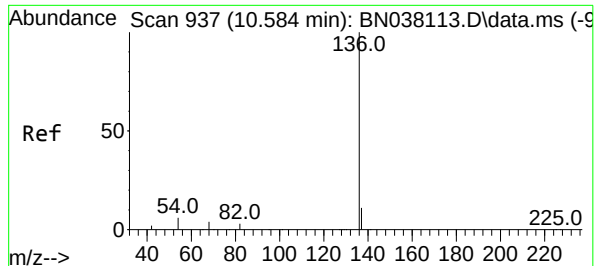
Tgt Ion: 99 Resp: 2608
Ion Ratio Lower Upper
99 100
42 23.4 16.6 24.8
71 34.0 25.4 38.2



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

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

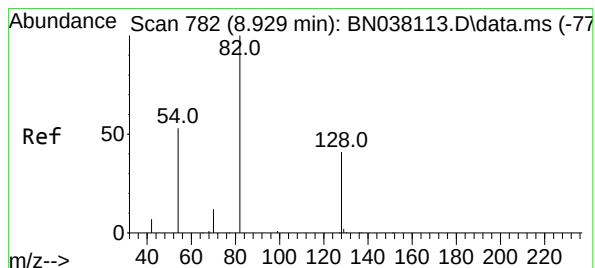
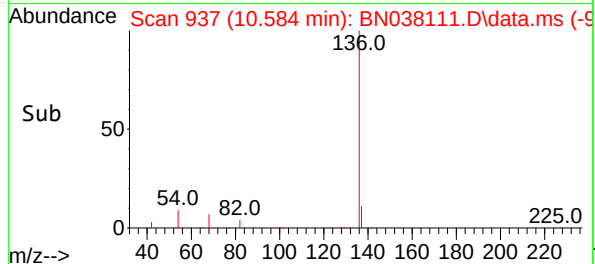
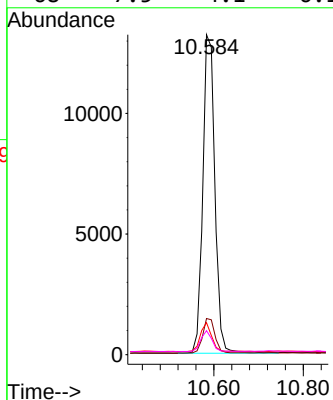
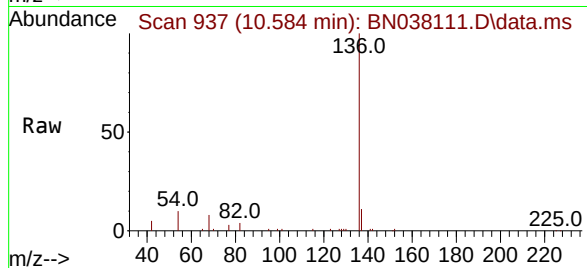




#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.584 min Scan# 91
Delta R.T. 0.011 min
Lab File: BN038111.D
Acq: 28 Oct 2025 13:00

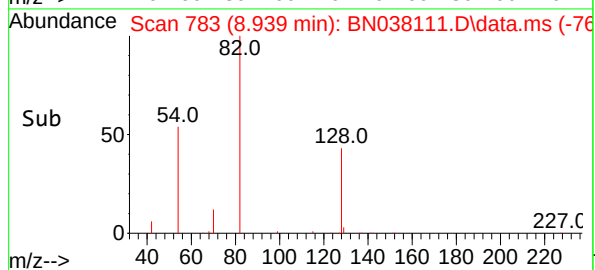
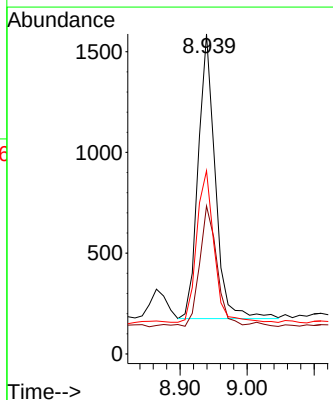
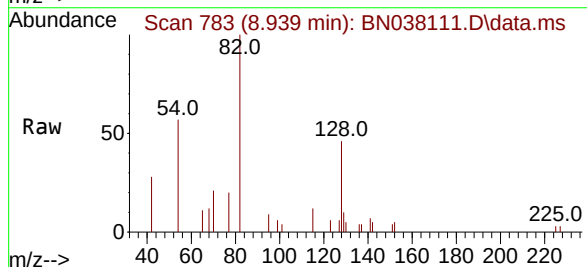
Instrument :
BNA_N
ClientSampleId :
SSTDICC0.1

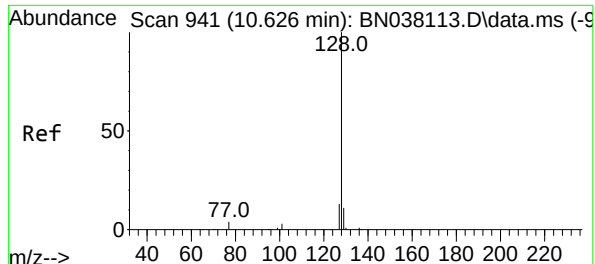
Tgt Ion:136 Resp: 24762
Ion Ratio Lower Upper
136 100
137 11.3 9.0 13.4
54 10.0 5.2 7.8#
68 7.5 4.1 6.1#



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

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

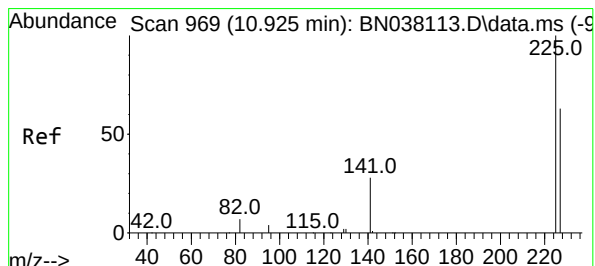
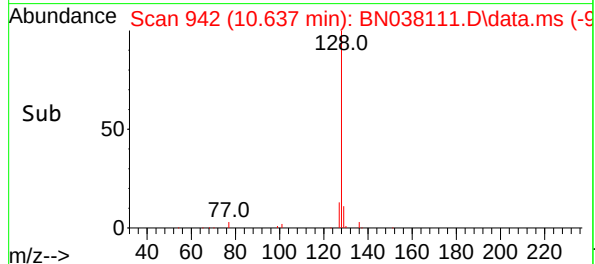
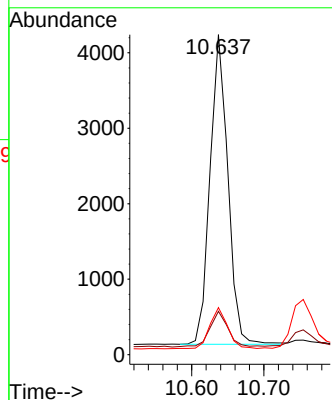
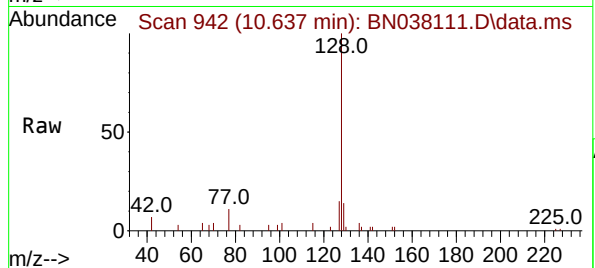




#9
Naphthalene
Concen: 0.103 ng
RT: 10.637 min Scan# 941
Delta R.T. 0.011 min
Lab File: BN038111.D
Acq: 28 Oct 2025 13:00

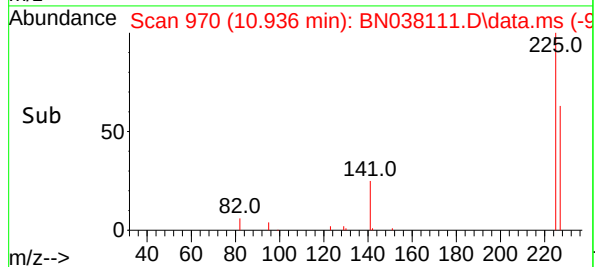
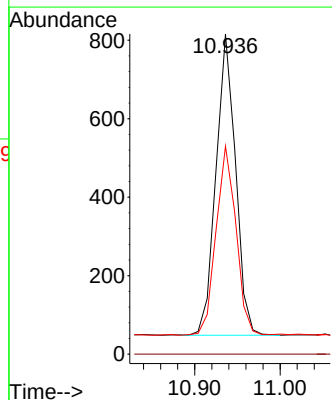
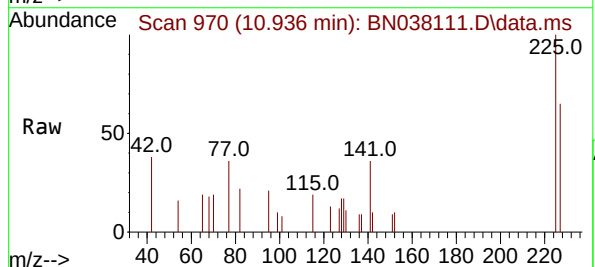
Instrument :
BNA_N
ClientSampleId :
SSTDICC0.1

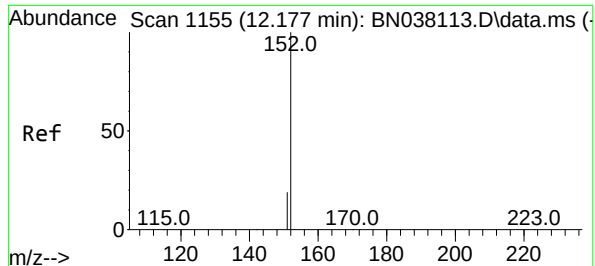
Tgt Ion:128 Resp: 7049
Ion Ratio Lower Upper
128 100
129 13.5 9.1 13.7
127 14.7 10.5 15.7



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

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

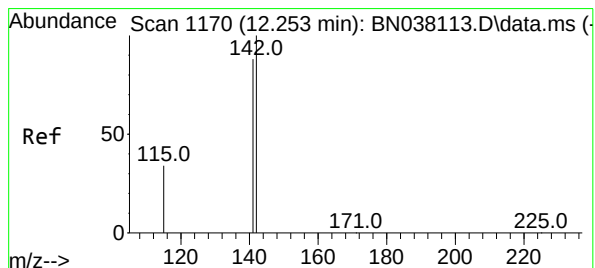
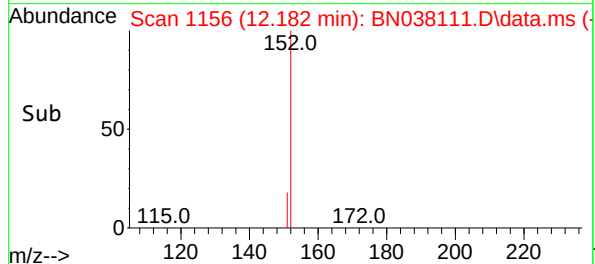
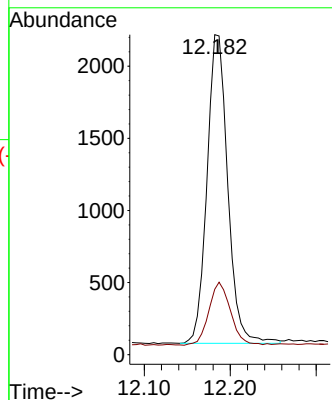
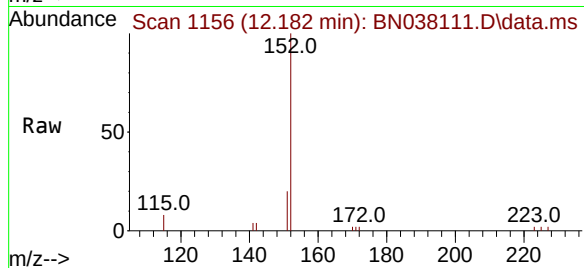




#11
2-Methylnaphthalene-d10
Concen: 0.102 ng
RT: 12.182 min Scan# 1156
Delta R.T. 0.005 min
Lab File: BN038111.D
Acq: 28 Oct 2025 13:00

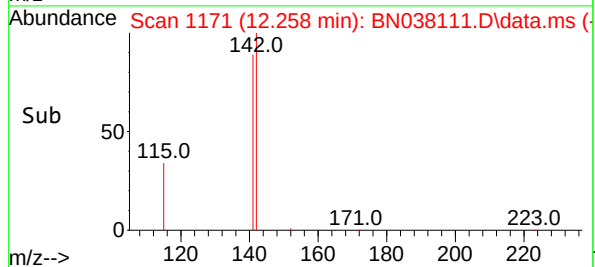
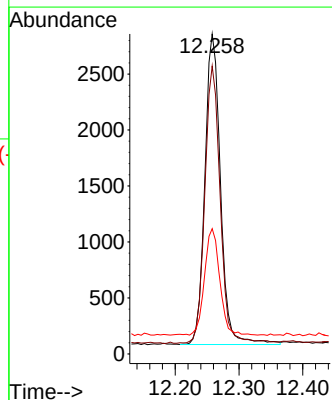
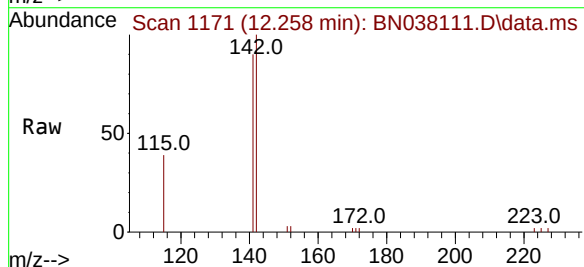
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BNA_N
ClientSampleId :
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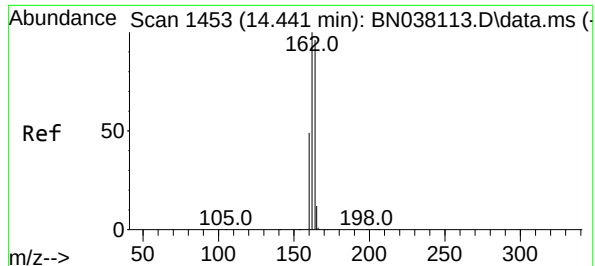
Tgt Ion:152 Resp: 3595
Ion Ratio Lower Upper
152 100
151 21.4 16.8 25.2



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

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

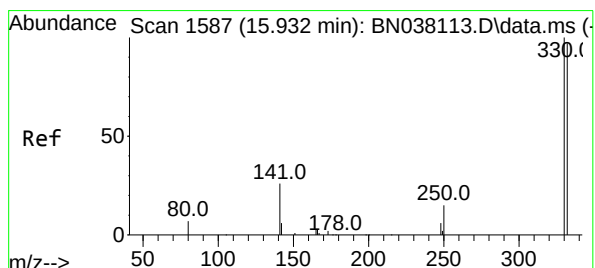
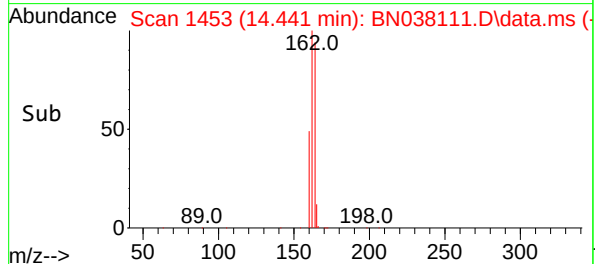
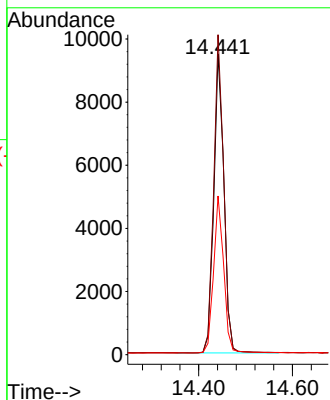
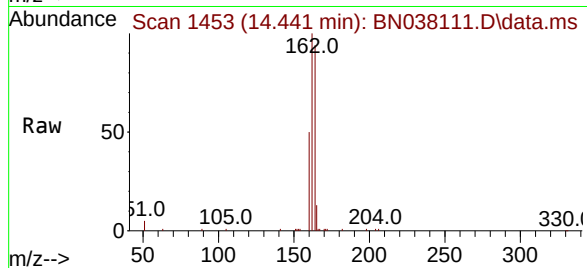




#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.441 min Scan# 1453
Delta R.T. 0.011 min
Lab File: BN038111.D
Acq: 28 Oct 2025 13:00

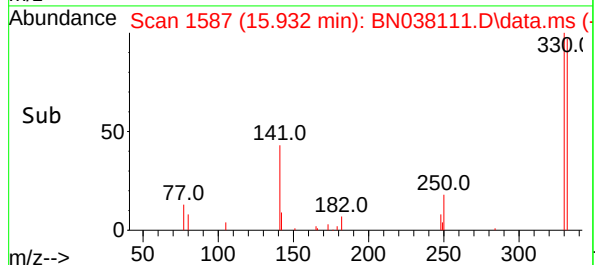
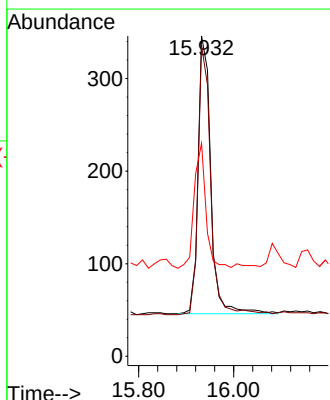
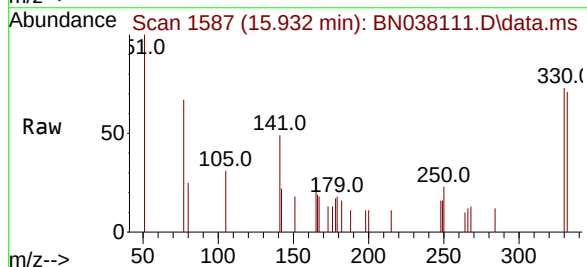
Instrument :
BNA_N
ClientSampleId :
SSTDICC0.1

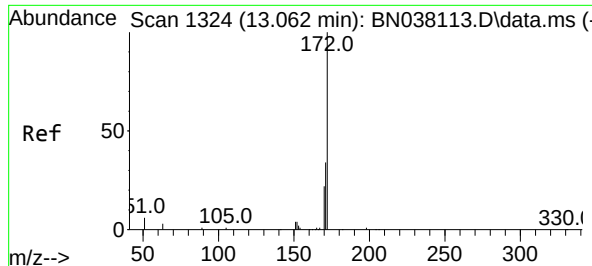
Tgt Ion:164 Resp: 14233
Ion Ratio Lower Upper
164 100
162 106.3 83.0 124.4
160 52.7 40.7 61.1



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

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





#15

2-Fluorobiphenyl

Concen: 0.112 ng

RT: 13.062 min Scan# 11

Delta R.T. 0.011 min

Lab File: BN038111.D

Acq: 28 Oct 2025 13:00

Instrument :

BNA_N

ClientSampleId :

SSTDIC0.1

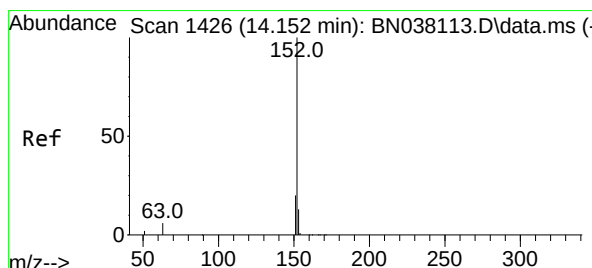
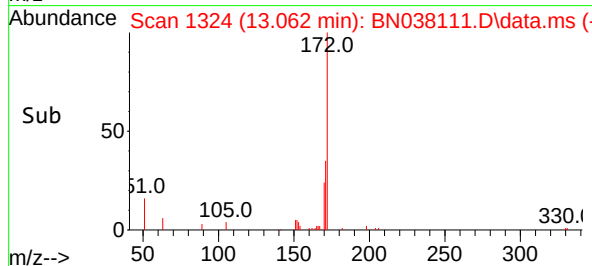
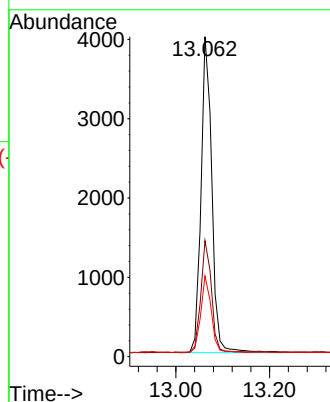
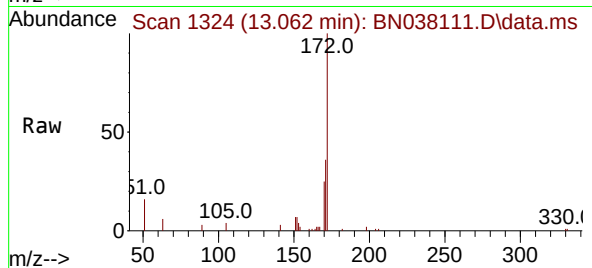
Tgt Ion:172 Resp: 6383

Ion Ratio Lower Upper

172 100

171 36.2 27.8 41.6

170 25.2 18.1 27.1



#16

Acenaphthylene

Concen: 0.098 ng

RT: 14.163 min Scan# 1427

Delta R.T. 0.011 min

Lab File: BN038111.D

Acq: 28 Oct 2025 13:00

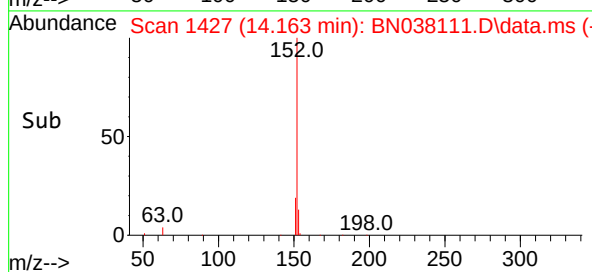
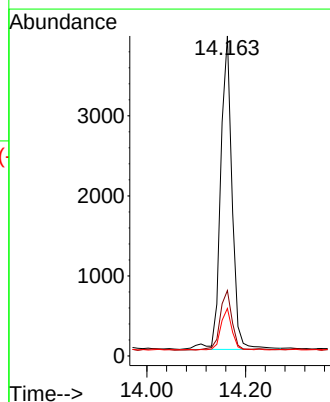
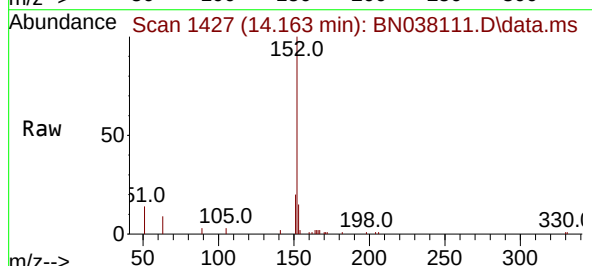
Tgt Ion:152 Resp: 6290

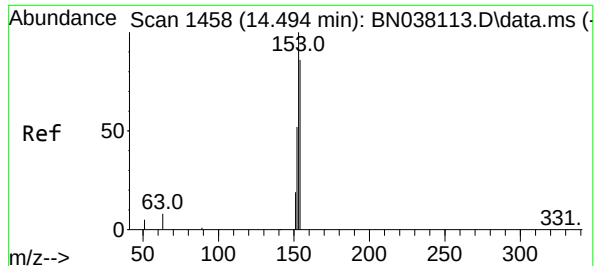
Ion Ratio Lower Upper

152 100

151 19.9 15.8 23.8

153 12.9 10.2 15.2

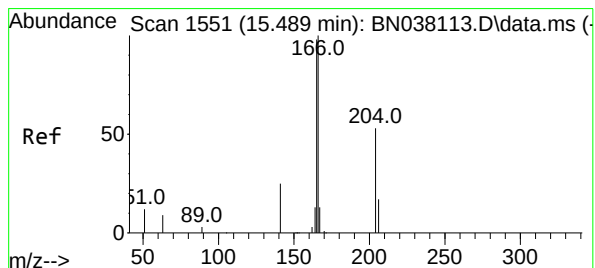
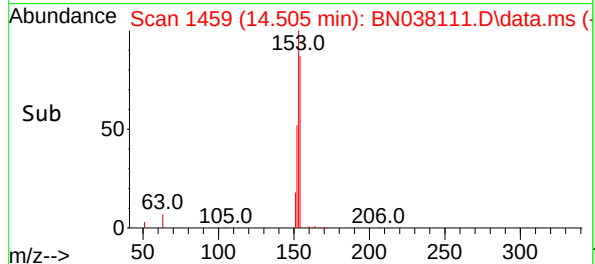
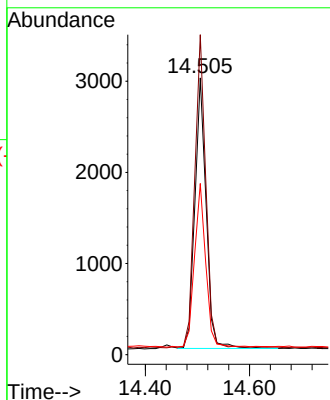
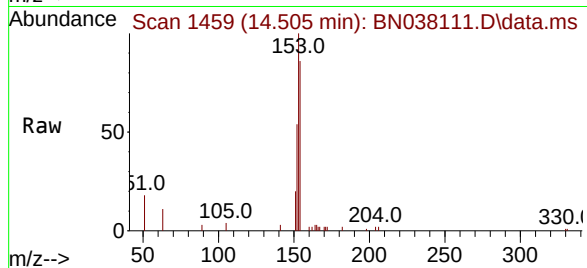




#17
Acenaphthene
Concen: 0.099 ng
RT: 14.505 min Scan# 1459
Delta R.T. 0.011 min
Lab File: BN038111.D
Acq: 28 Oct 2025 13:00

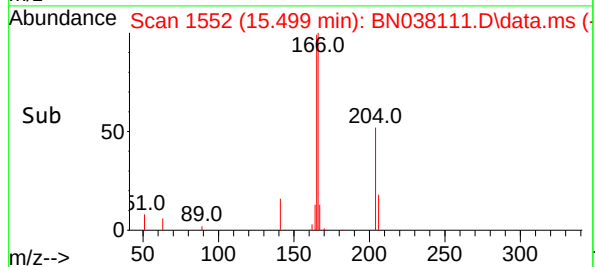
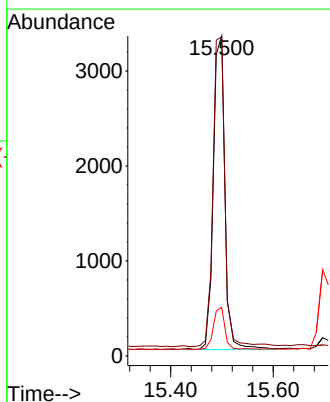
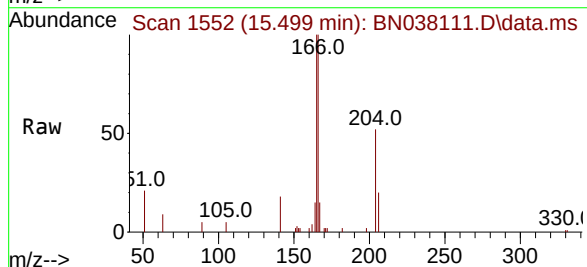
Instrument :
BNA_N
ClientSampleId :
SSTDICC0.1

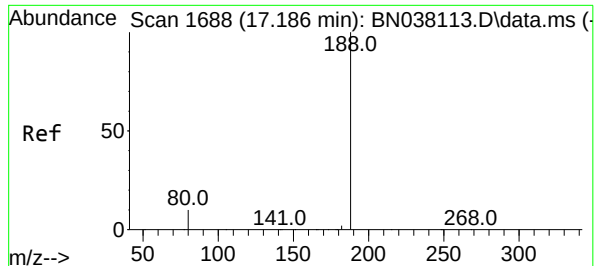
Tgt Ion:154 Resp: 4482
Ion Ratio Lower Upper
154 100
153 114.1 90.0 135.0
152 60.7 47.3 70.9



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

Tgt Ion:166 Resp: 5513
Ion Ratio Lower Upper
166 100
165 102.4 79.0 118.4
167 13.3 10.7 16.1





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 17.186 min Scan# 1

Delta R.T. 0.000 min

Lab File: BN038111.D

Acq: 28 Oct 2025 13:00

Instrument :

BNA_N

ClientSampleId :

SSTDICC0.1

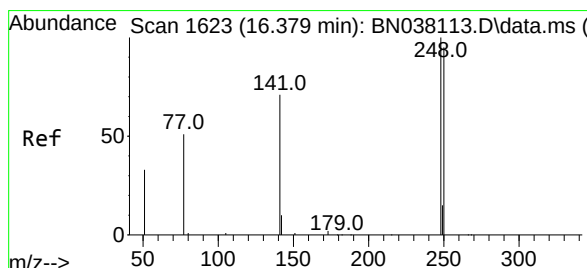
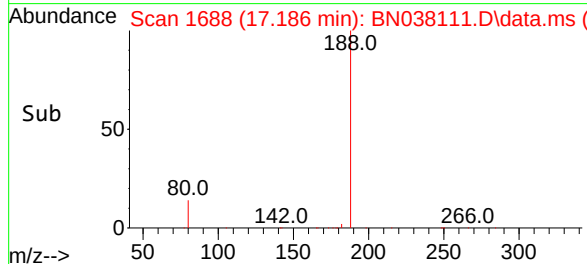
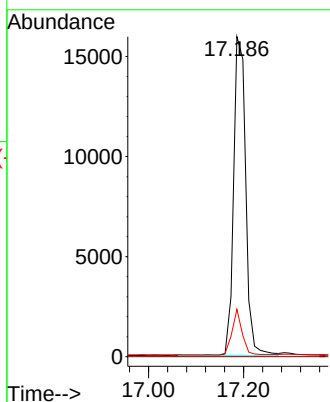
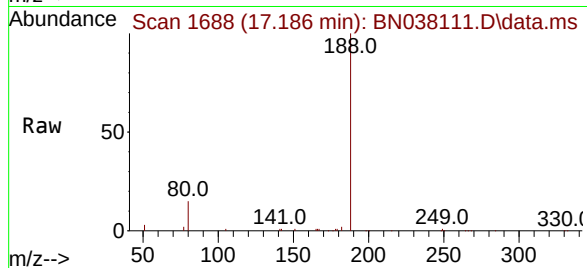
Tgt Ion:188 Resp: 28114

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

80 14.8 8.6 13.0#



#21

4-Bromophenyl-phenylether

Concen: 0.099 ng

RT: 16.391 min Scan# 1624

Delta R.T. 0.012 min

Lab File: BN038111.D

Acq: 28 Oct 2025 13:00

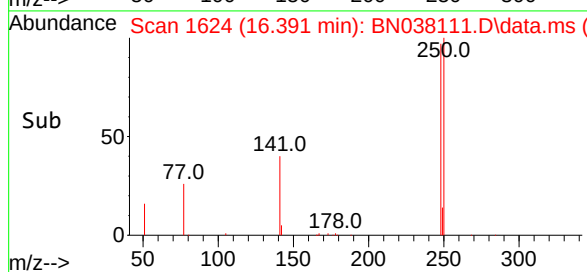
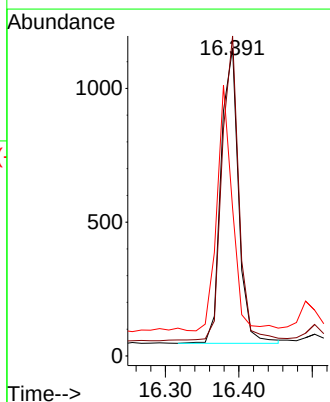
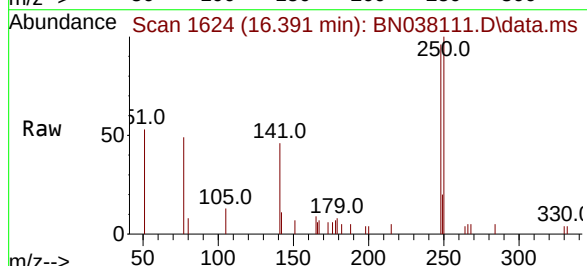
Tgt Ion:248 Resp: 1824

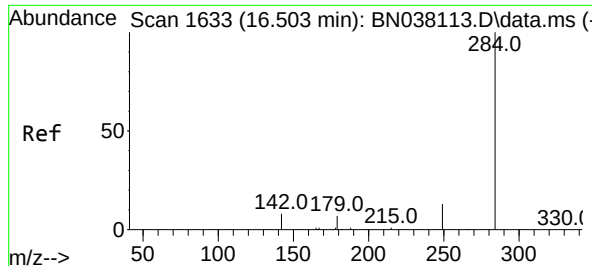
Ion Ratio Lower Upper

248 100

250 103.9 76.2 114.2

141 48.0 57.6 86.4#

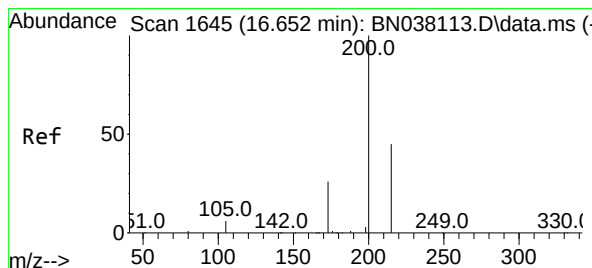
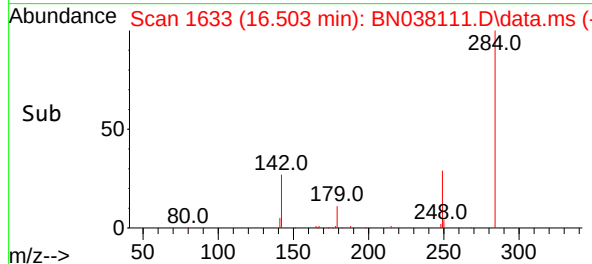
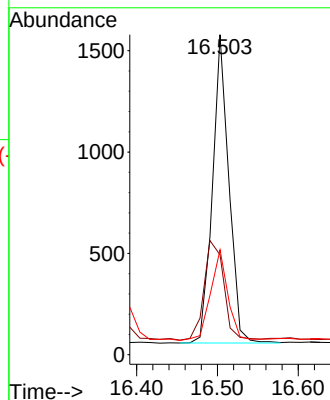
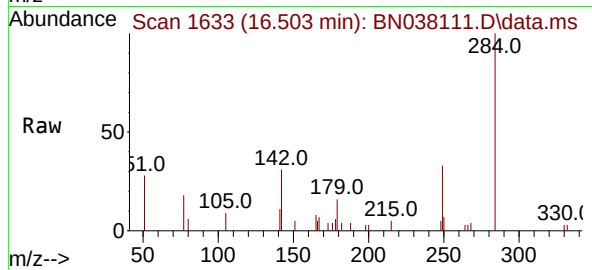




#22
Hexachlorobenzene
Concen: 0.102 ng
RT: 16.503 min Scan# 1633
Delta R.T. 0.000 min
Lab File: BN038111.D
Acq: 28 Oct 2025 13:00

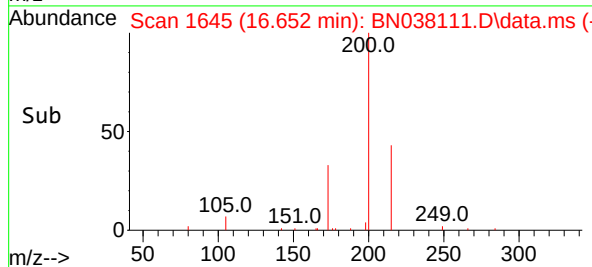
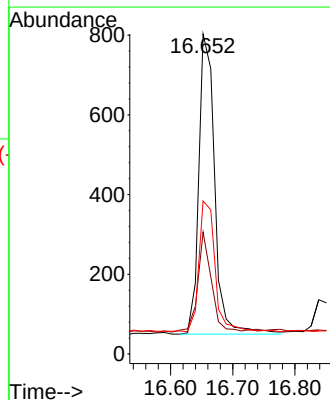
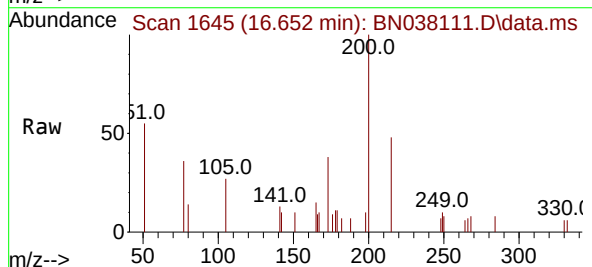
Instrument :
BNA_N
ClientSampleId :
SSTDICC0.1

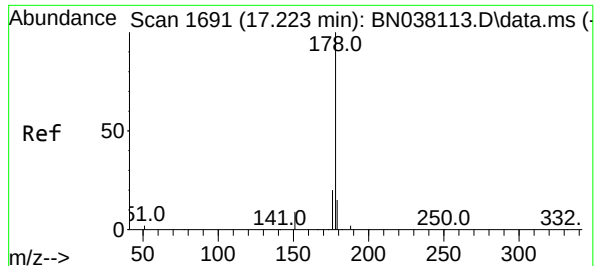
Tgt Ion	284	Resp	2137
Ion Ratio	Lower	Upper	
284	100		
142	38.9	30.5	45.7
249	31.2	23.5	35.3



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

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

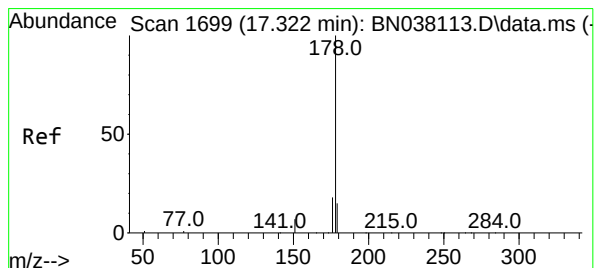
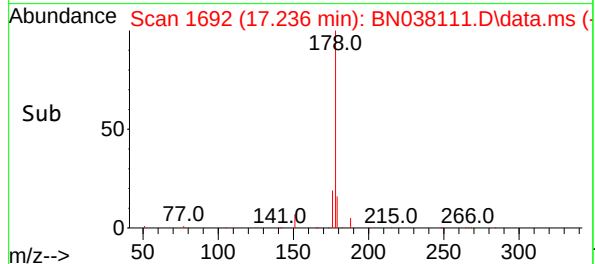
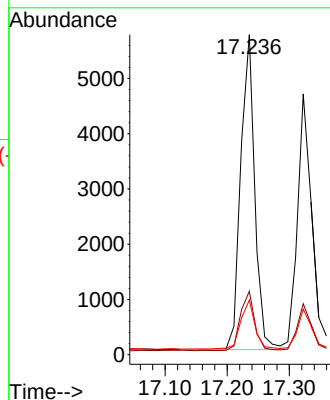
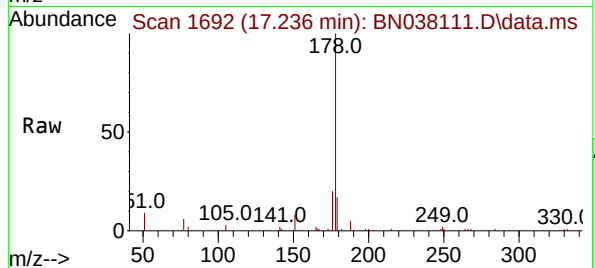




#25
Phenanthrene
Concen: 0.101 ng
RT: 17.236 min Scan# 1692
Delta R.T. 0.012 min
Lab File: BN038111.D
Acq: 28 Oct 2025 13:00

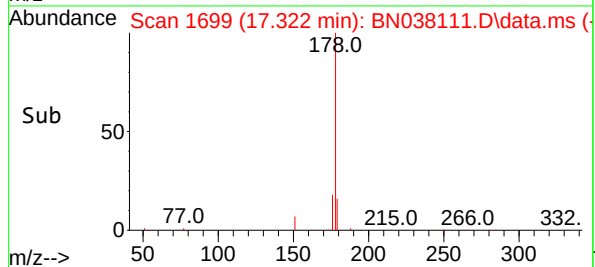
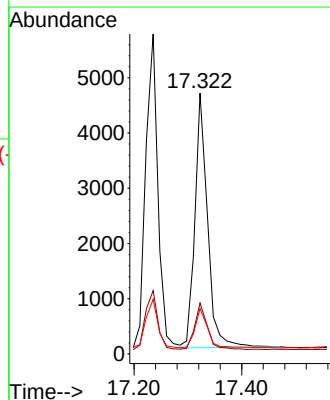
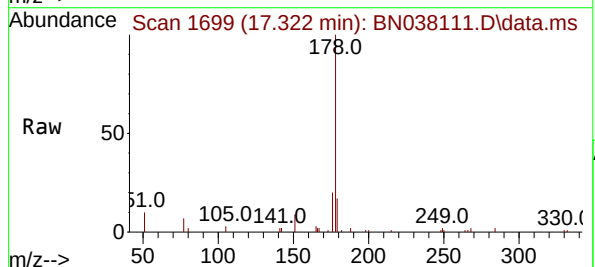
Instrument :
BNA_N
ClientSampleId :
SSTDICC0.1

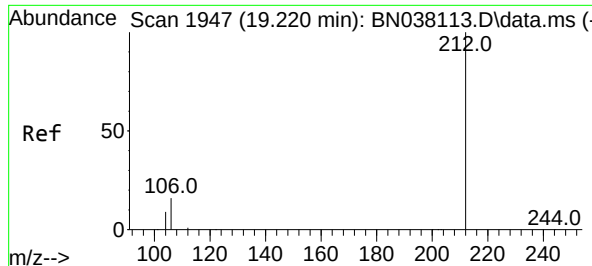
Tgt Ion:178 Resp: 9006
Ion Ratio Lower Upper
178 100
176 19.0 15.5 23.3
179 15.8 12.2 18.4



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

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





#27

Fluoranthene-d10

Concen: 0.103 ng

RT: 19.225 min Scan# 1948

Delta R.T. 0.005 min

Lab File: BN038111.D

Acq: 28 Oct 2025 13:00

Instrument :

BNA_N

ClientSampleId :

SSTDICC0.1

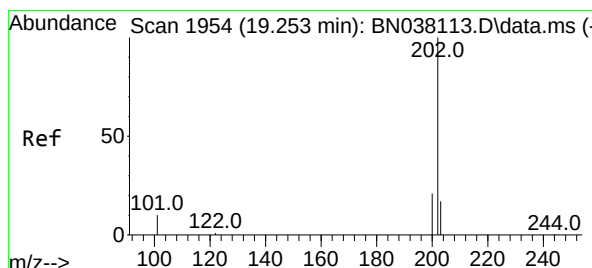
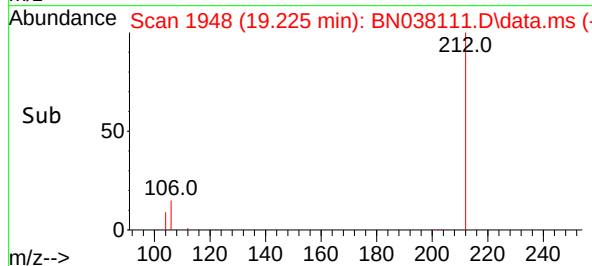
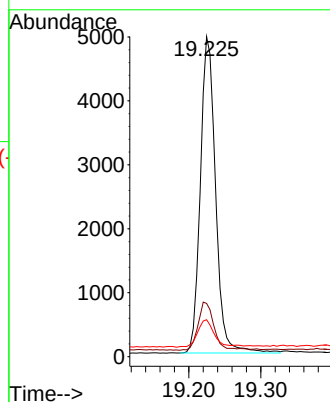
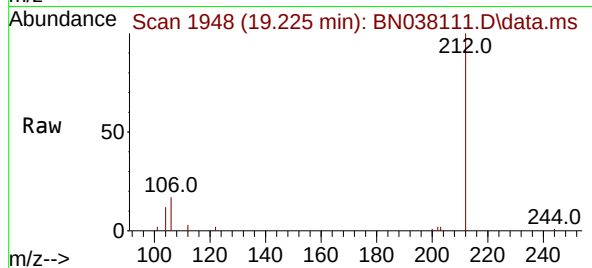
Tgt Ion:212 Resp: 7307

Ion Ratio Lower Upper

212 100

106 15.9 12.6 19.0

104 9.3 7.1 10.7



#28

Fluoranthene

Concen: 0.102 ng

RT: 19.257 min Scan# 1955

Delta R.T. 0.005 min

Lab File: BN038111.D

Acq: 28 Oct 2025 13:00

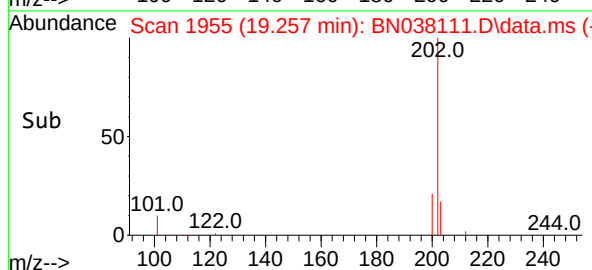
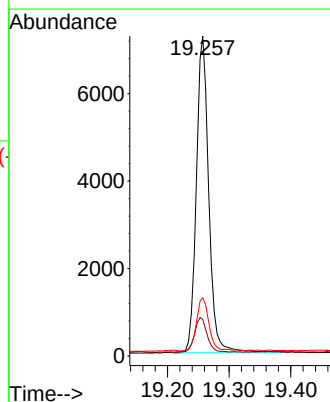
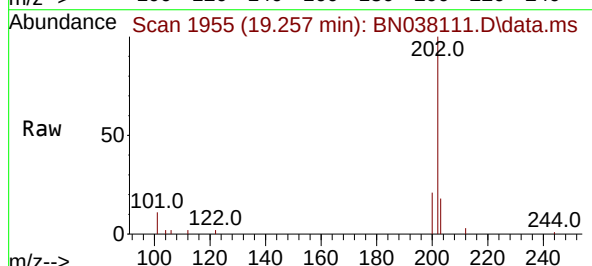
Tgt Ion:202 Resp: 10174

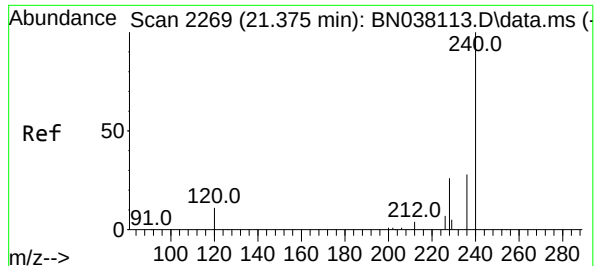
Ion Ratio Lower Upper

202 100

101 11.4 9.4 14.2

203 17.2 13.4 20.2





#29

Chrysene-d12

Concen: 0.400 ng

RT: 21.384 min Scan# 21

Delta R.T. 0.009 min

Lab File: BN038111.D

Acq: 28 Oct 2025 13:00

Instrument :

BNA_N

ClientSampleId :

SSTDICC0.1

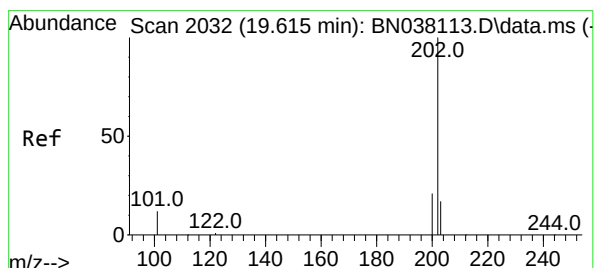
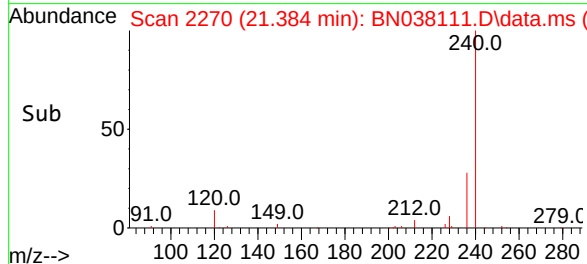
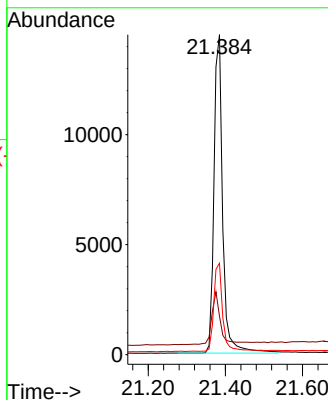
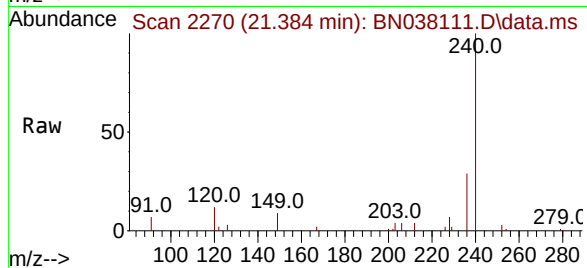
Tgt Ion:240 Resp: 22622

Ion Ratio Lower Upper

240 100

120 12.1 10.7 16.1

236 28.6 23.1 34.7



#30

Pyrene

Concen: 0.102 ng

RT: 19.620 min Scan# 2033

Delta R.T. 0.009 min

Lab File: BN038111.D

Acq: 28 Oct 2025 13:00

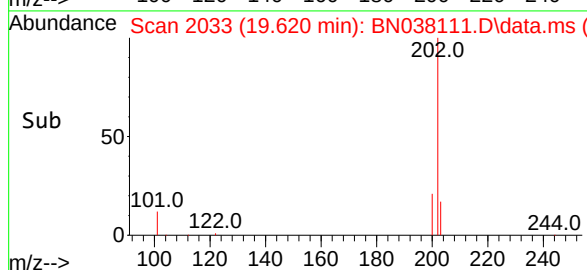
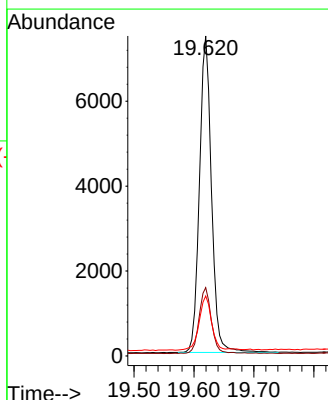
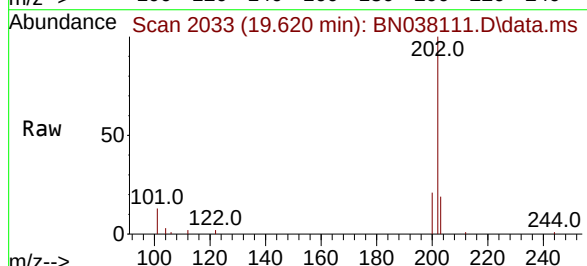
Tgt Ion:202 Resp: 10370

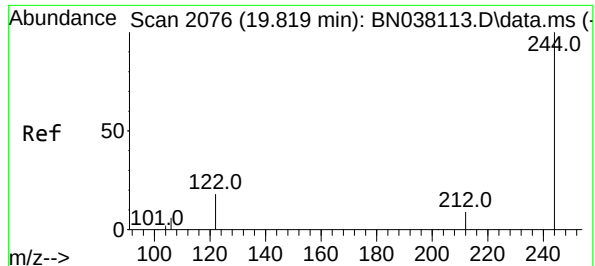
Ion Ratio Lower Upper

202 100

200 21.3 16.7 25.1

203 18.0 14.2 21.2

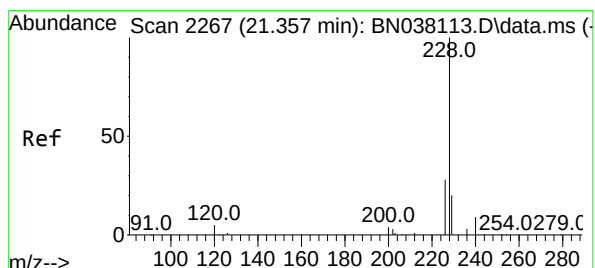
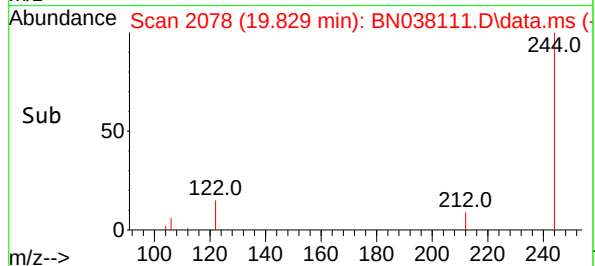
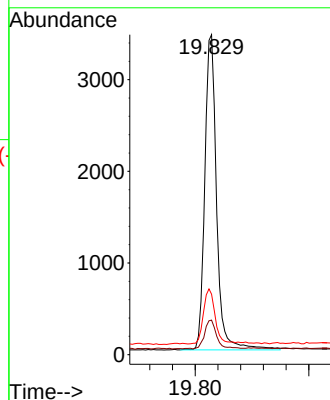
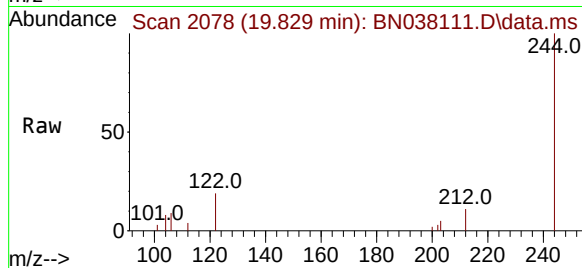




#31
Terphenyl-d14
Concen: 0.101 ng
RT: 19.829 min Scan# 2076
Delta R.T. 0.009 min
Lab File: BN038111.D
Acq: 28 Oct 2025 13:00

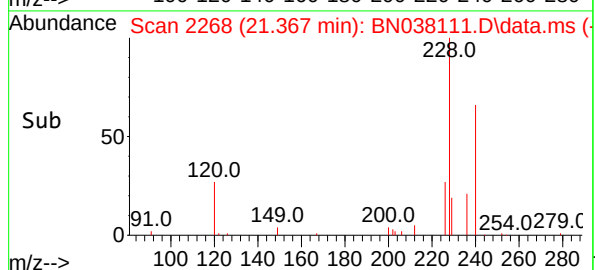
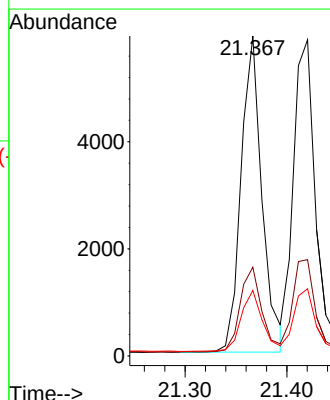
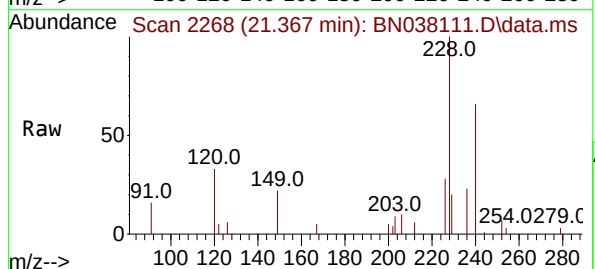
Instrument :
BNA_N
ClientSampleId :
SSTDICC0.1

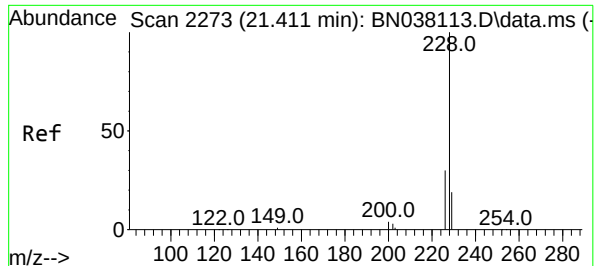
Tgt Ion:244 Resp: 4967
Ion Ratio Lower Upper
244 100
212 10.8 7.8 11.6
122 18.9 15.2 22.8



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

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

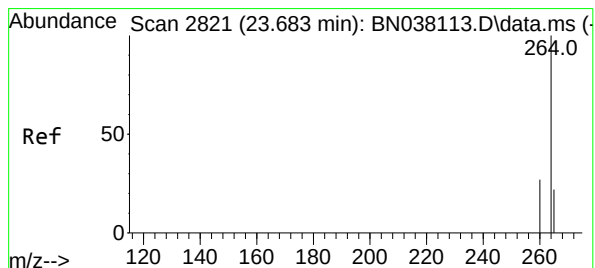
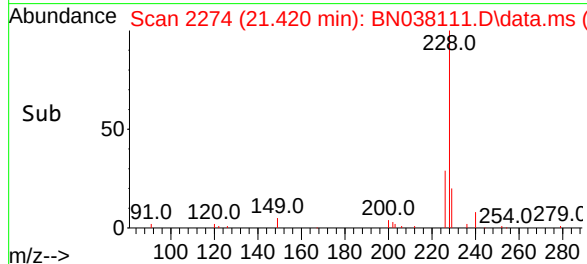
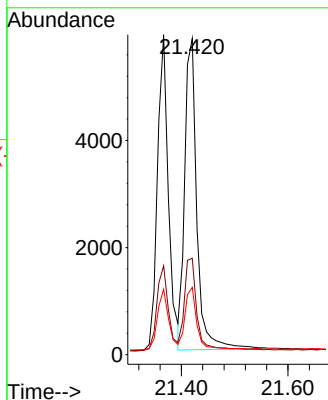
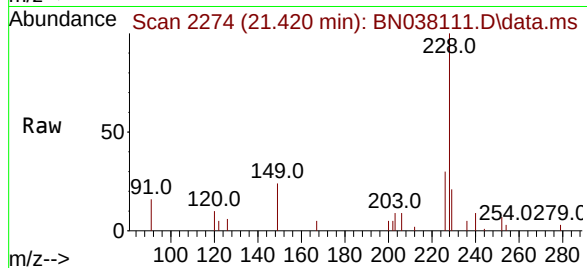




#33
Chrysene
Concen: 0.105 ng
RT: 21.420 min Scan# 21
Delta R.T. 0.009 min
Lab File: BN038111.D
Acq: 28 Oct 2025 13:00

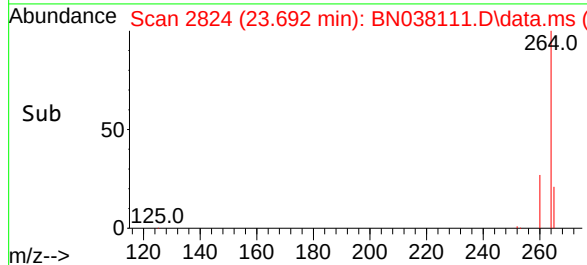
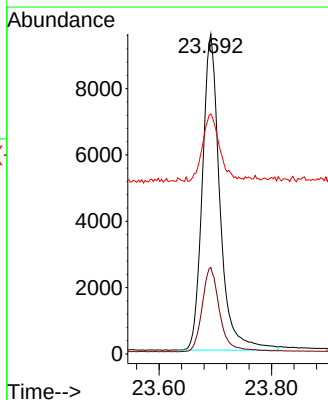
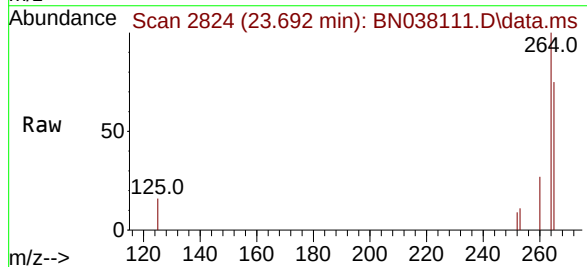
Instrument :
BNA_N
ClientSampleId :
SSTDICC0.1

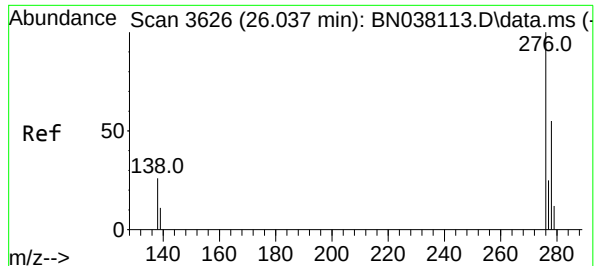
Tgt Ion:228 Resp: 9181
Ion Ratio Lower Upper
228 100
226 30.5 24.3 36.5
229 21.3 15.7 23.5



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

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





#36

Indeno(1,2,3-cd)pyrene

Concen: 0.093 ng

RT: 26.048 min Scan# 3630

Delta R.T. 0.015 min

Lab File: BN038111.D

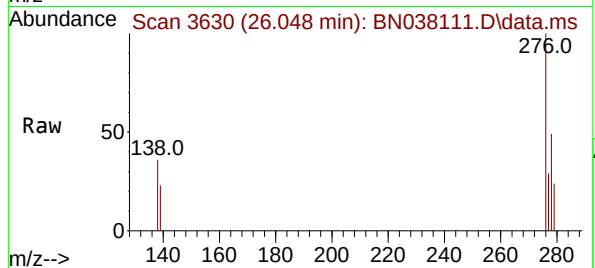
Acq: 28 Oct 2025 13:00

Instrument :

BNA_N

ClientSampleId :

SSTDIC0.1



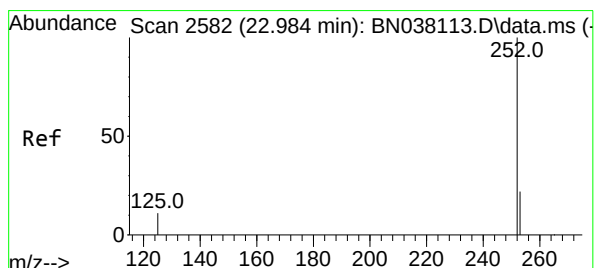
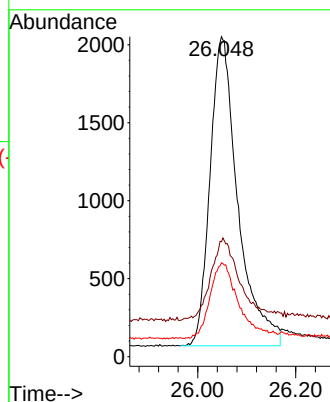
Tgt Ion:276 Resp: 7839

Ion Ratio Lower Upper

276 100

138 25.8 21.4 32.0

277 24.8 19.2 28.8



#37

Benzo(b)fluoranthene

Concen: 0.094 ng

RT: 22.993 min Scan# 2585

Delta R.T. 0.012 min

Lab File: BN038111.D

Acq: 28 Oct 2025 13:00

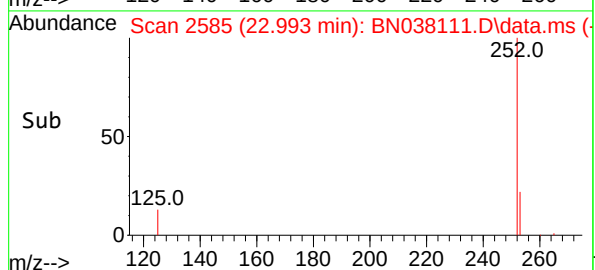
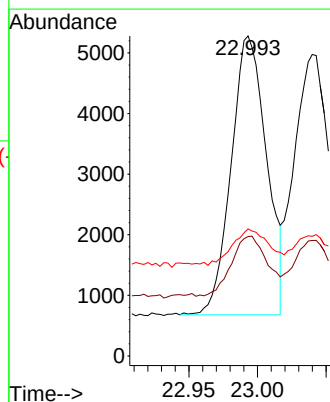
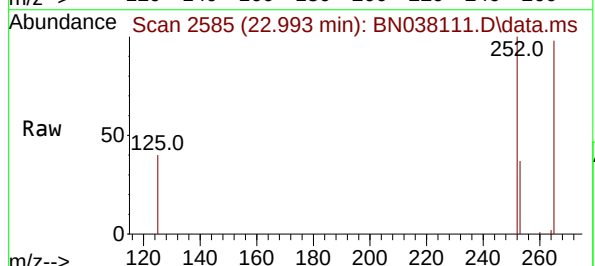
Tgt Ion:252 Resp: 8261

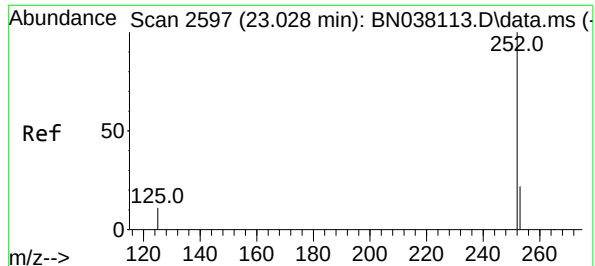
Ion Ratio Lower Upper

252 100

253 37.3 20.9 31.3#

125 39.7 14.1 21.1#





#38

Benzo(k)fluoranthene

Concen: 0.096 ng

RT: 23.040 min Scan# 2

Delta R.T. 0.012 min

Lab File: BN038111.D

Acq: 28 Oct 2025 13:00

Instrument :

BNA_N

ClientSampleId :

SSTDICC0.1

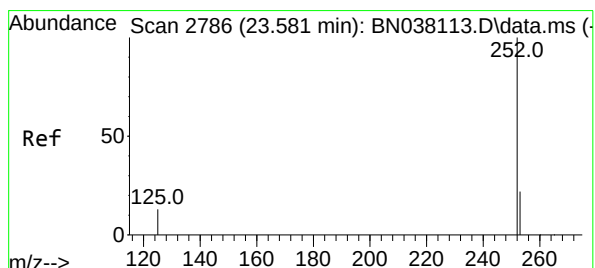
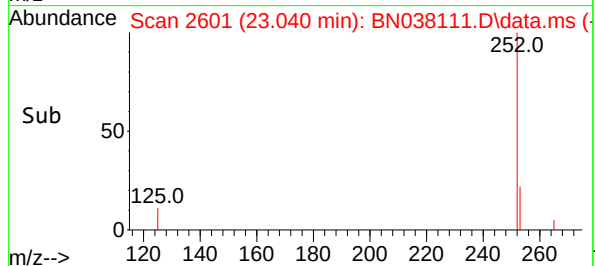
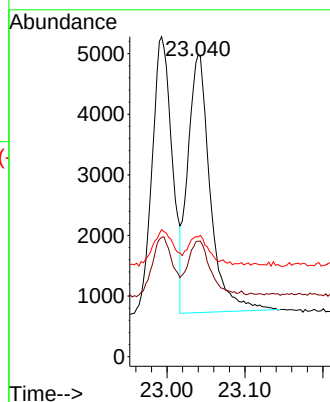
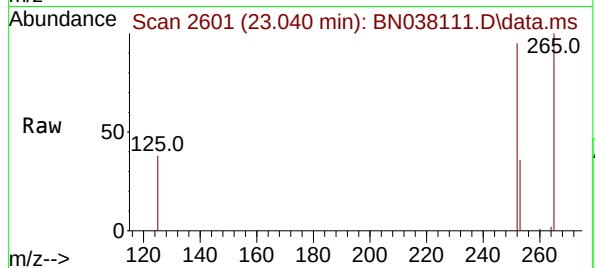
Tgt Ion:252 Resp: 8515

Ion Ratio Lower Upper

252 100

253 38.3 21.2 31.8#

125 39.7 14.6 22.0#



#39

Benzo(a)pyrene

Concen: 0.098 ng

RT: 23.590 min Scan# 2789

Delta R.T. 0.012 min

Lab File: BN038111.D

Acq: 28 Oct 2025 13:00

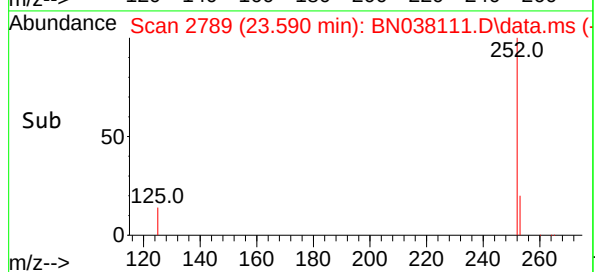
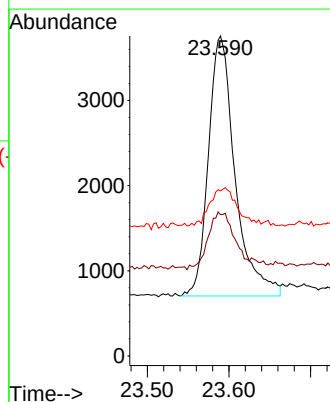
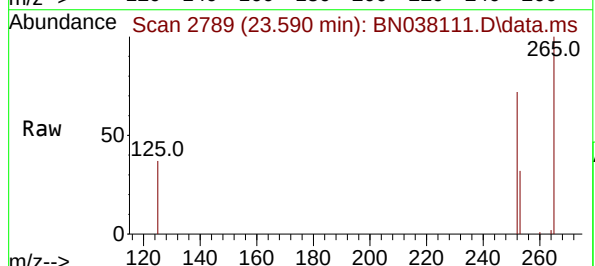
Tgt Ion:252 Resp: 6927

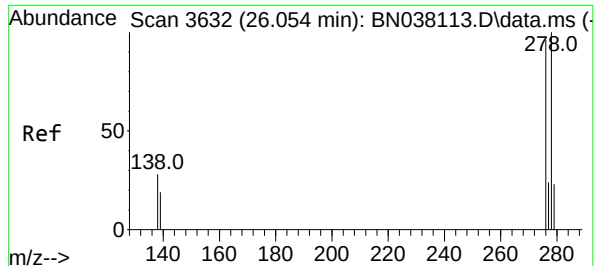
Ion Ratio Lower Upper

252 100

253 44.2 23.1 34.7#

125 51.6 18.6 28.0#





#40

Dibenzo(a,h)anthracene

Concen: 0.091 ng

RT: 26.072 min Scan# 3

Delta R.T. 0.023 min

Lab File: BN038111.D

Acq: 28 Oct 2025 13:00

Instrument :

BNA_N

ClientSampleId :

SSTDICC0.1

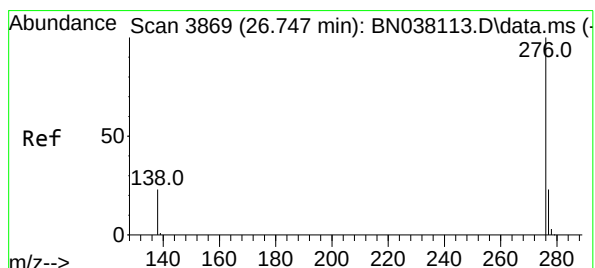
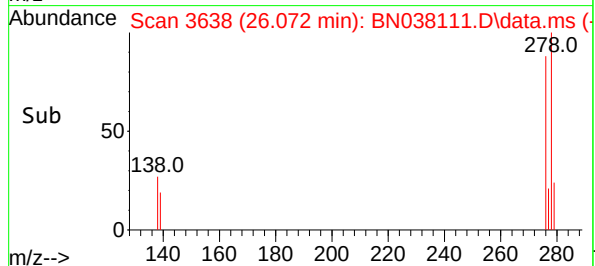
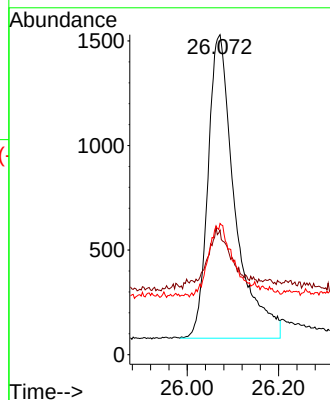
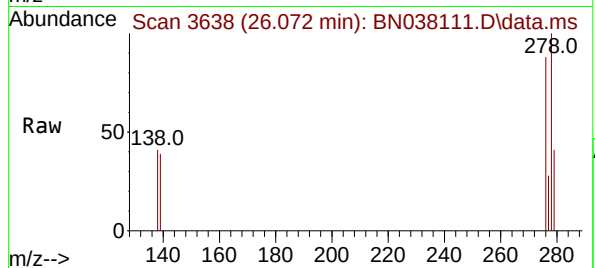
Tgt Ion:278 Resp: 5922

Ion Ratio Lower Upper

278 100

139 38.9 17.6 26.4#

279 41.0 22.6 33.8#



#41

Benzo(g,h,i)perylene

Concen: 0.097 ng

RT: 26.765 min Scan# 3875

Delta R.T. 0.015 min

Lab File: BN038111.D

Acq: 28 Oct 2025 13:00

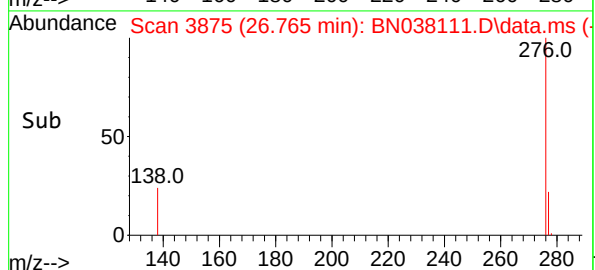
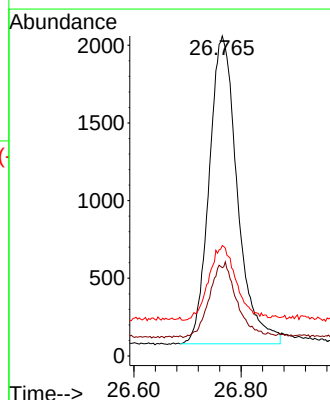
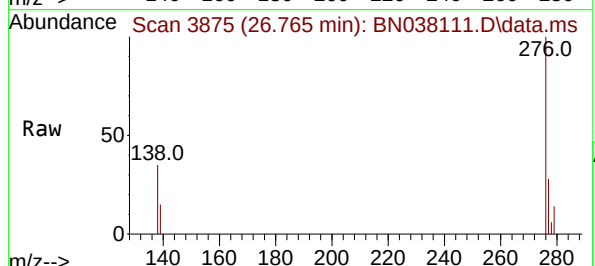
Tgt Ion:276 Resp: 7227

Ion Ratio Lower Upper

276 100

277 27.6 19.7 29.5

138 34.5 20.2 30.4#



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

Instrument :
 BNA_N
 ClientSampleId :
 SSTDICC0.2

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

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

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

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

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.2

Abundance

TIC: BN038112.D\data.ms

Time-->

40000

38000

36000

34000

32000

30000

28000

26000

24000

22000

20000

18000

16000

14000

12000

10000

8000

6000

4000

2000

0

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.l

Nitrobenzene-d5.S

Hexachlorobutadiene

Naphthalene

Naphthalene-d8.l

2-Methylnaphthalene

2-Methylnaphthalene-d10.SURR

2-Fluorobiphenyl.S

Acenaphthylene

Acenaphthene

Acenaphthene-d10.l

Fluorene

4,6-Dinitro-2-methylphenol

2,4,6-Tribromophenol.S

Hexachlorobenzene

Atrazine

Pentachlorophenol

4-Bromophenyl-phenylether

Anthracene

Phenanthrene

Phenanthrene-d10.l

Fluoranthene

Pyrene

Terphenyl-d14.S

Bis(2-ethylhexylophthalate

Bis(2-ethylhexylophthalate-d12.l

Benzo(a)fluoranthene

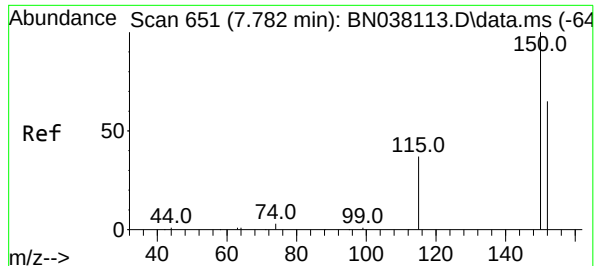
Benzo(a)anthracene

Benzo(a)pyrene.C

Perylene-d12.l

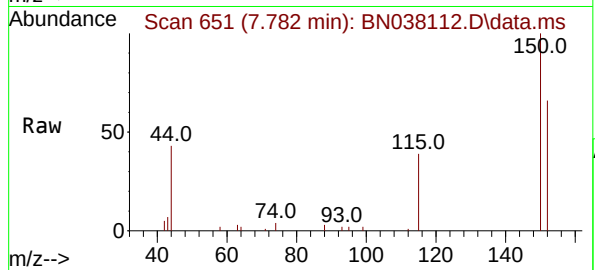
Indeno(1,2,3-cd)pyrene

Benzo(g,h,i)perylene

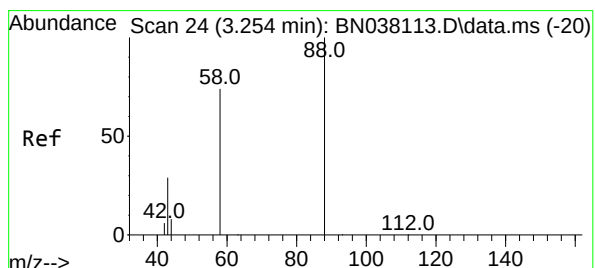
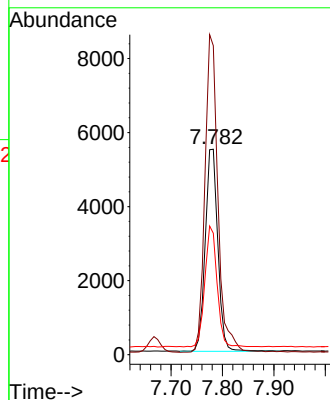
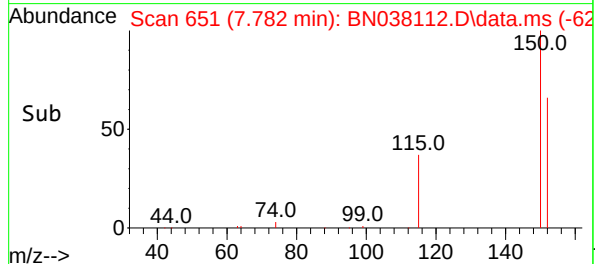


#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.782 min Scan# 61
Delta R.T. 0.007 min
Lab File: BN038112.D
Acq: 28 Oct 2025 13:36

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.2

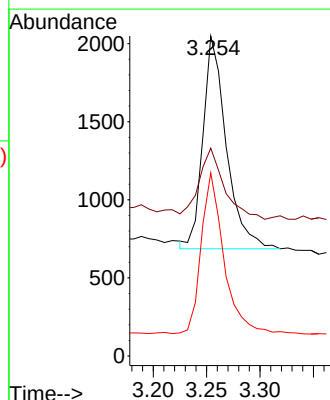
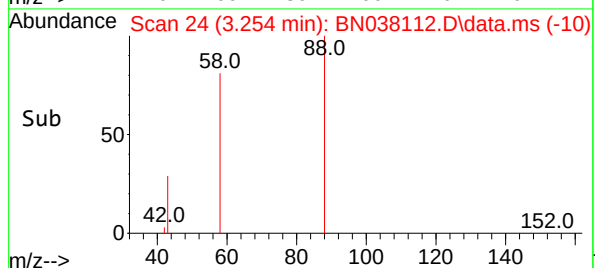
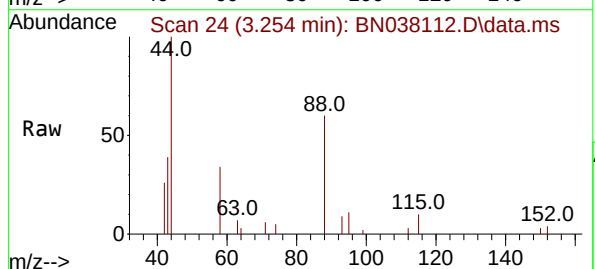


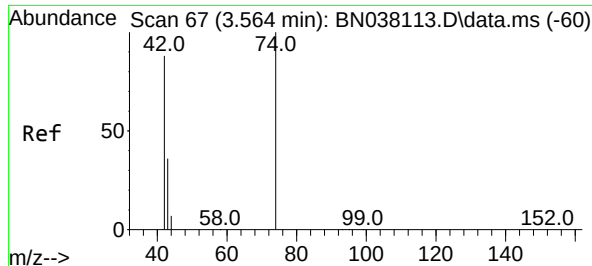
Tgt Ion:152 Resp: 9322
Ion Ratio Lower Upper
152 100
150 150.4 122.3 183.5
115 59.1 47.4 71.0



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

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

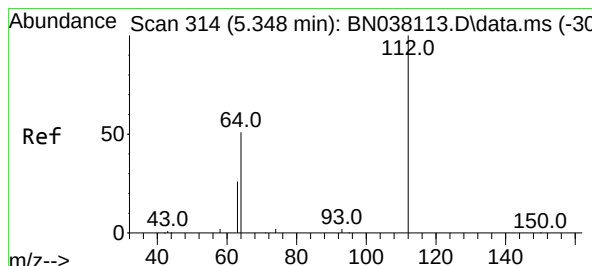
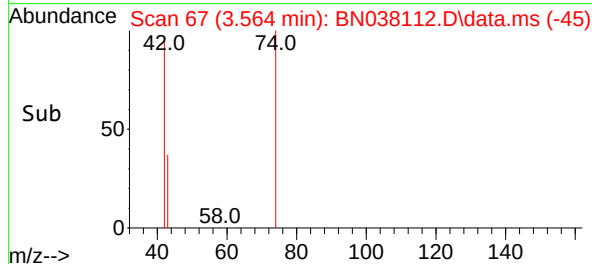
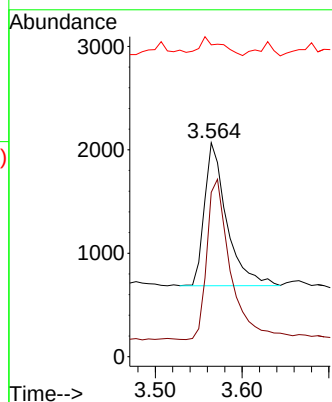
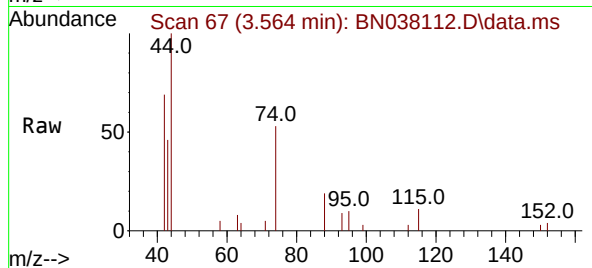




#3
n-Nitrosodimethylamine
Concen: 0.199 ng
RT: 3.564 min Scan# 61
Delta R.T. 0.007 min
Lab File: BN038112.D
Acq: 28 Oct 2025 13:36

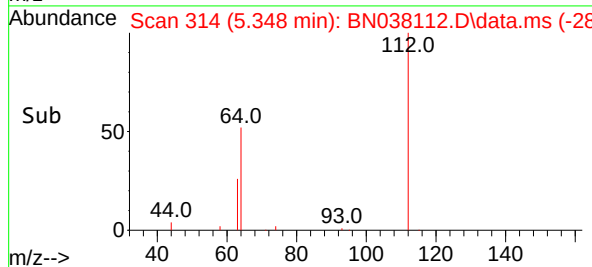
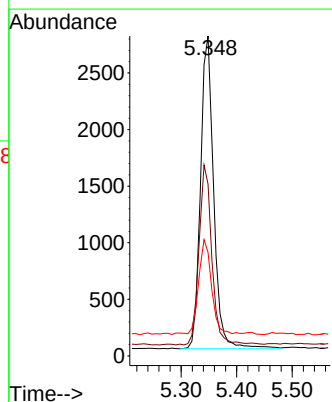
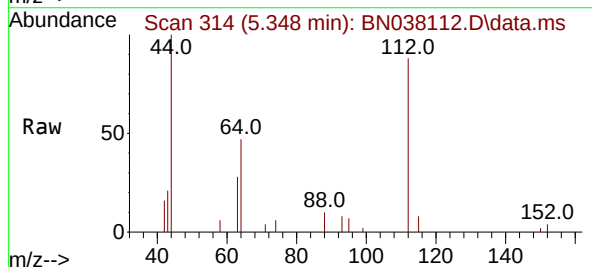
Instrument :
BNA_N
ClientSampleId :
SSTDICC0.2

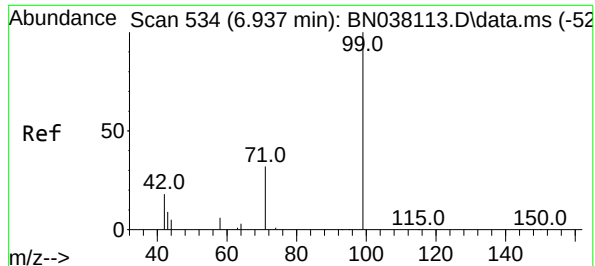
Tgt Ion: 42 Resp: 2463
Ion Ratio Lower Upper
42 100
74 121.8 96.8 145.2
44 12.3 5.3 7.9#



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

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





#5

Phenol-d6

Concen: 0.198 ng

RT: 6.937 min Scan# 51

Delta R.T. 0.000 min

Lab File: BN038112.D

Acq: 28 Oct 2025 13:36

Instrument :

BNA_N

ClientSampleId :

SSTDICC0.2

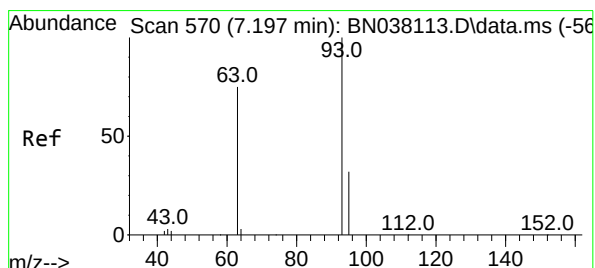
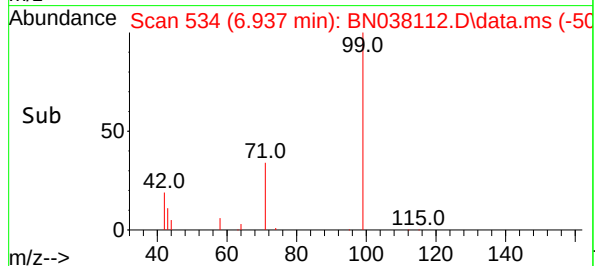
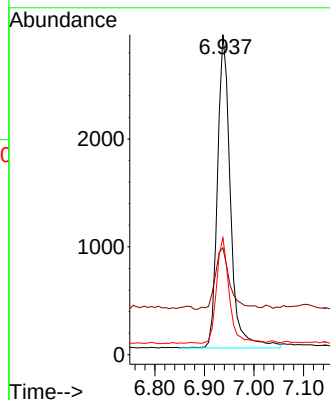
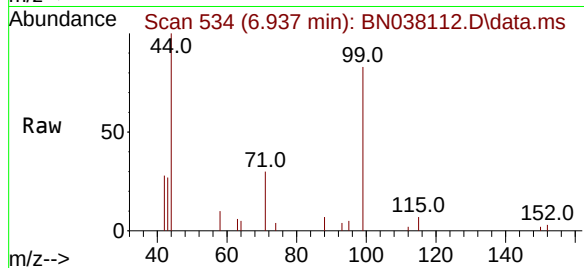
Tgt Ion: 99 Resp: 5284

Ion Ratio Lower Upper

99 100

42 22.1 16.6 24.8

71 32.7 25.4 38.2



#6

bis(2-Chloroethyl)ether

Concen: 0.202 ng

RT: 7.197 min Scan# 570

Delta R.T. 0.000 min

Lab File: BN038112.D

Acq: 28 Oct 2025 13:36

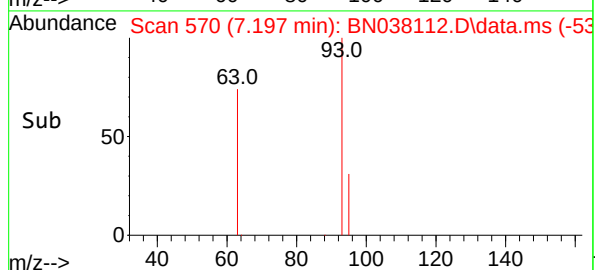
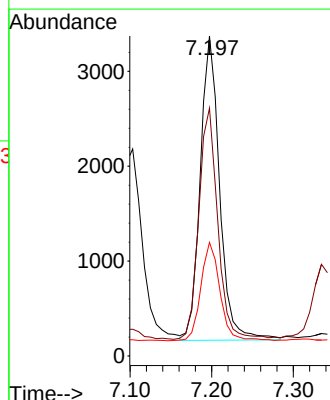
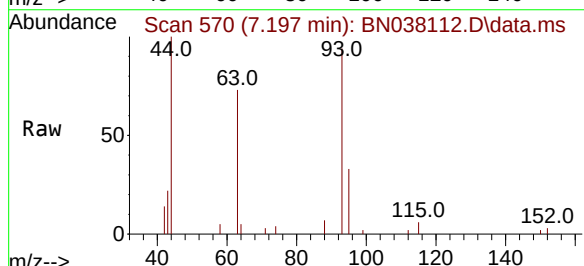
Tgt Ion: 93 Resp: 5312

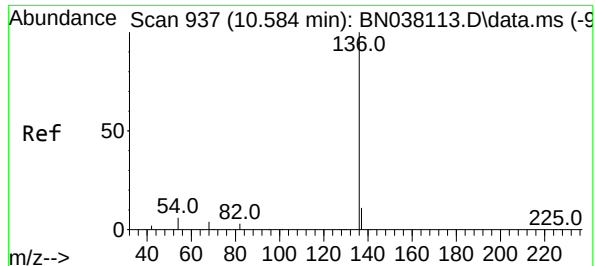
Ion Ratio Lower Upper

93 100

63 74.3 59.3 88.9

95 32.2 25.2 37.8





#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.584 min Scan# 91

Delta R.T. 0.011 min

Lab File: BN038112.D

Acq: 28 Oct 2025 13:36

Instrument :

BNA_N

ClientSampleId :

SSTDICC0.2

Tgt Ion:136 Resp: 28183

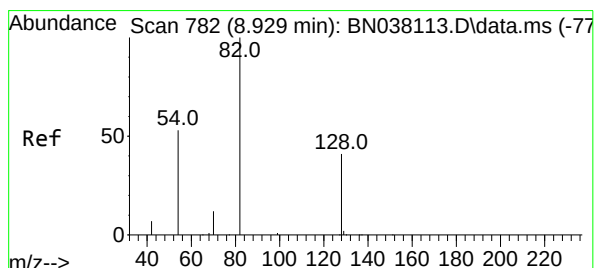
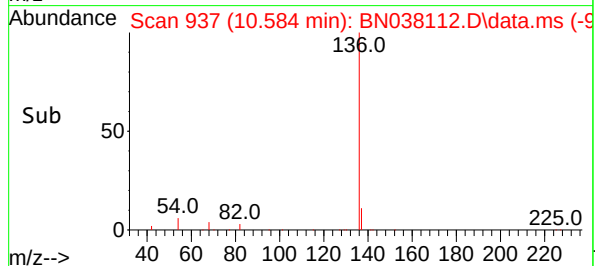
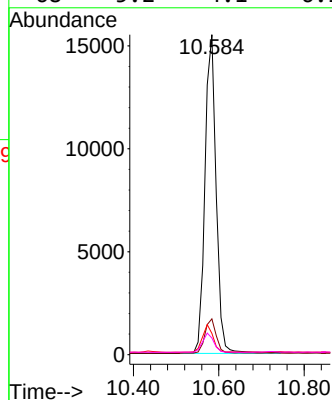
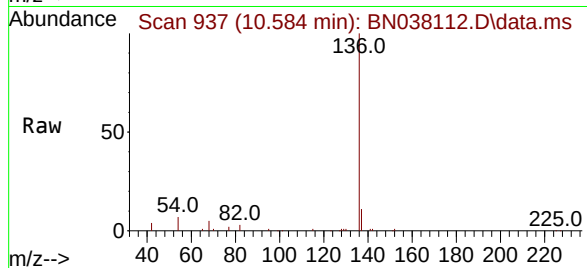
Ion Ratio Lower Upper

136 100

137 11.2 9.0 13.4

54 6.6 5.2 7.8

68 5.2 4.1 6.1



#8

Nitrobenzene-d5

Concen: 0.194 ng

RT: 8.929 min Scan# 782

Delta R.T. 0.000 min

Lab File: BN038112.D

Acq: 28 Oct 2025 13:36

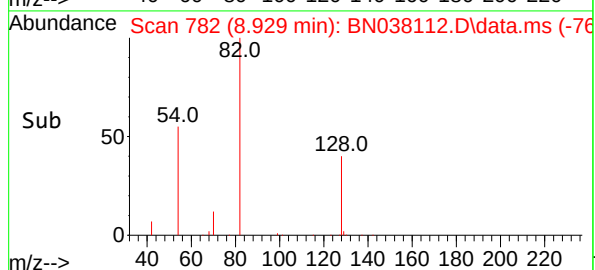
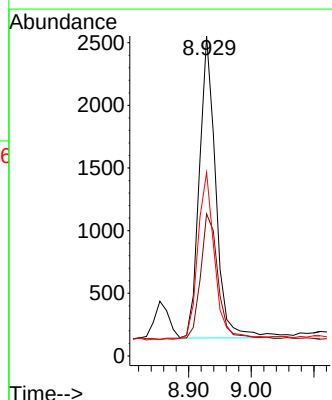
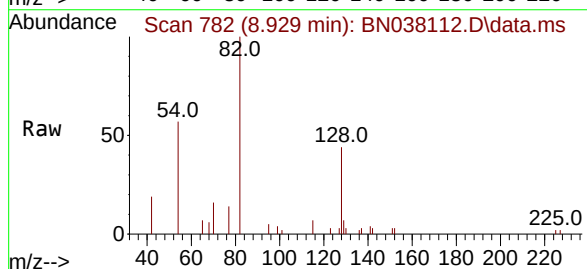
Tgt Ion: 82 Resp: 4403

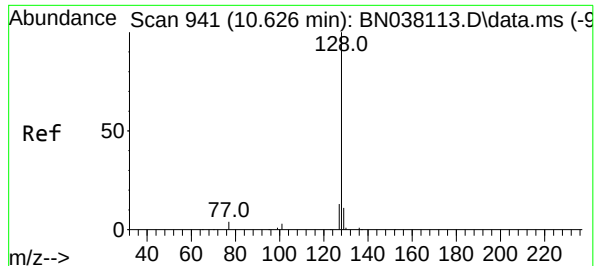
Ion Ratio Lower Upper

82 100

128 44.4 34.1 51.1

54 57.3 43.5 65.3

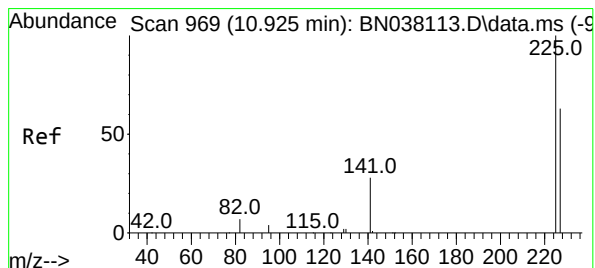
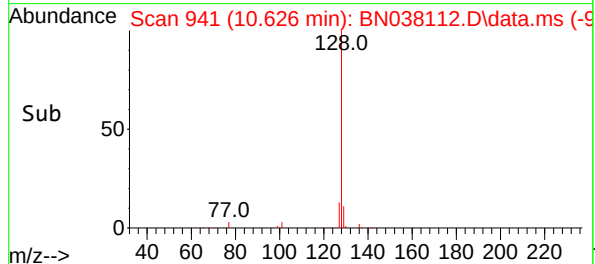
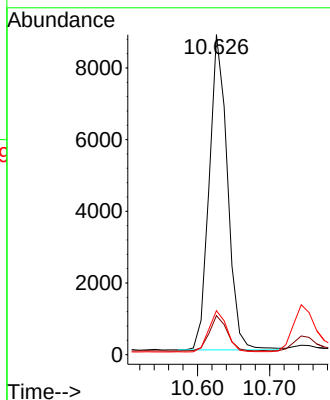
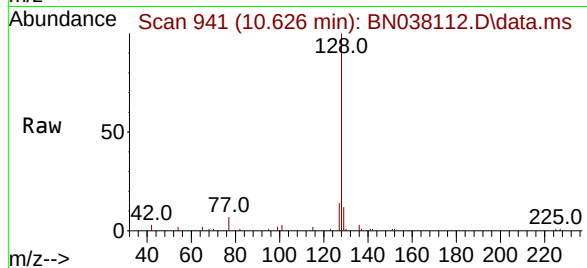




#9
Naphthalene
Concen: 0.199 ng
RT: 10.626 min Scan# 941
Delta R.T. 0.000 min
Lab File: BN038112.D
Acq: 28 Oct 2025 13:36

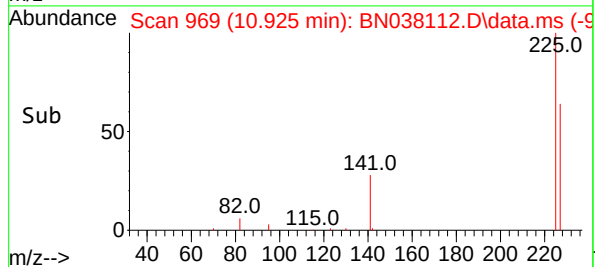
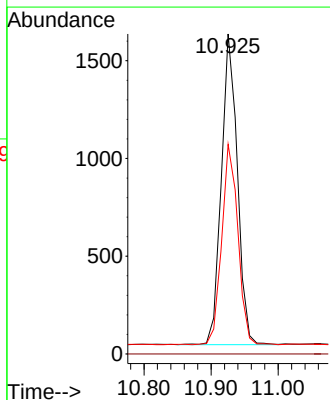
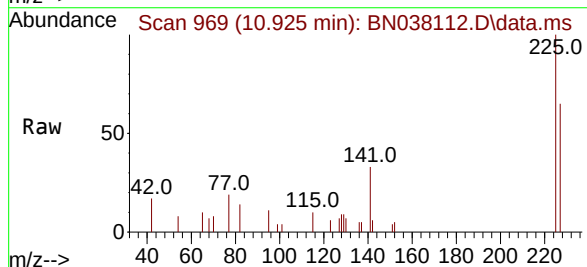
Instrument :
BNA_N
ClientSampleId :
SSTDICC0.2

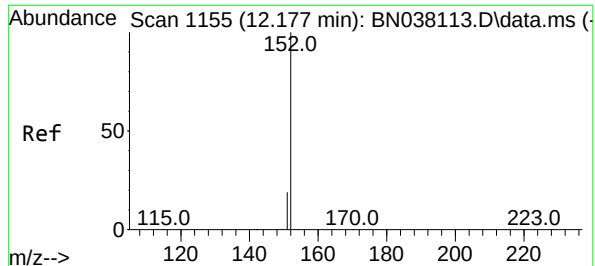
Tgt Ion	128	129	127
Resp:	15455		
Ion Ratio	100	12.2	13.8
Lower		9.1	10.5
Upper		13.7	15.7



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

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

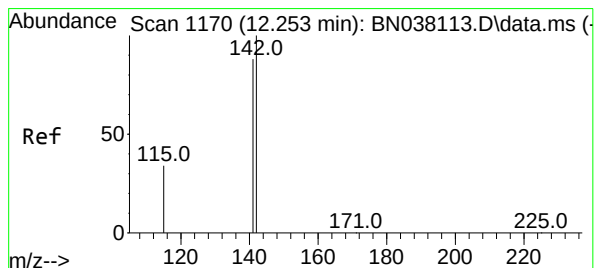
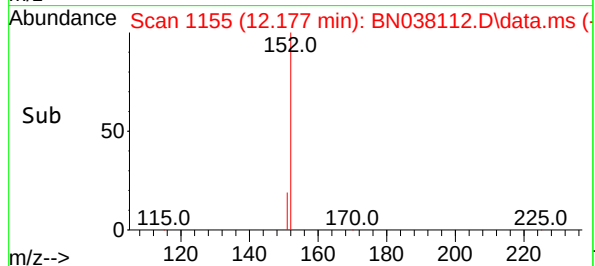
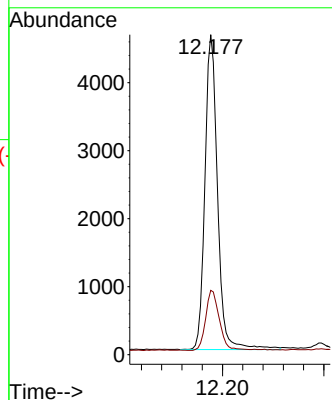
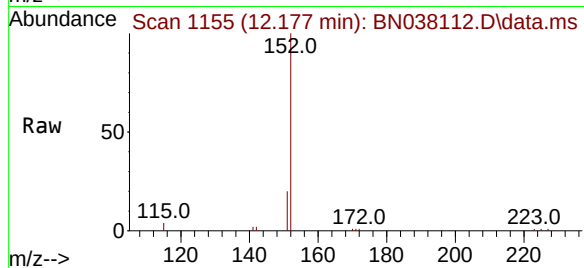




#11
2-Methylnaphthalene-d10
Concen: 0.199 ng
RT: 12.177 min Scan# 1155
Delta R.T. 0.000 min
Lab File: BN038112.D
Acq: 28 Oct 2025 13:36

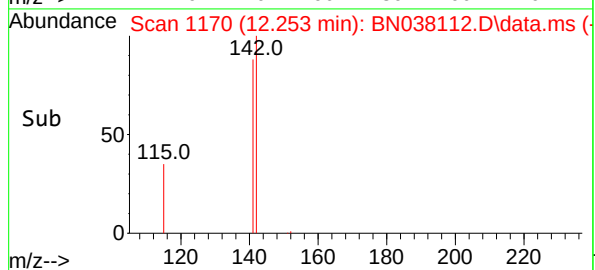
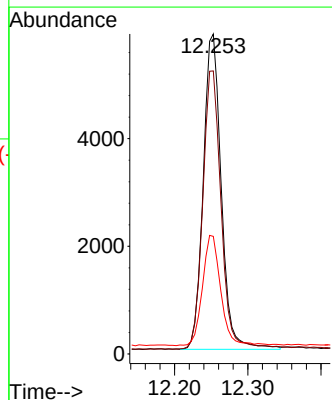
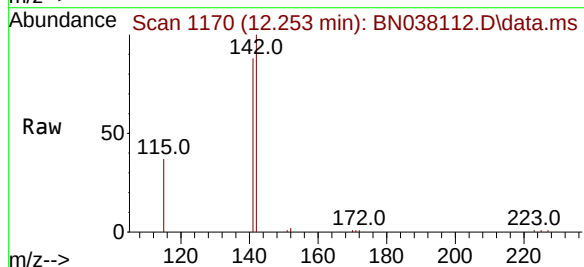
Instrument :
BNA_N
ClientSampleId :
SSTDICC0.2

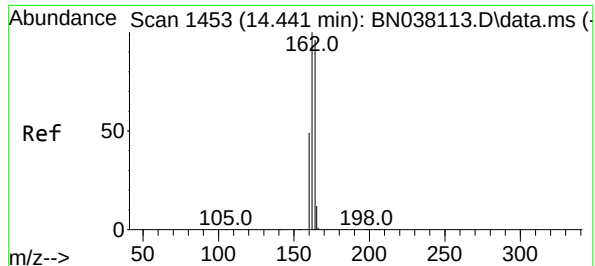
Tgt Ion:152 Resp: 8012
Ion Ratio Lower Upper
152 100
151 20.7 16.8 25.2



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

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

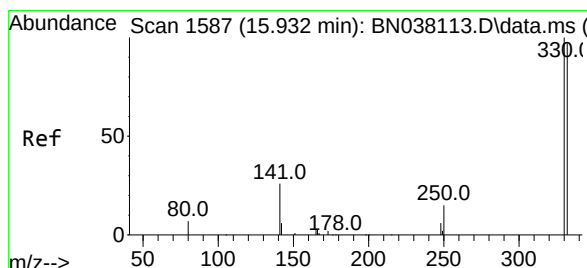
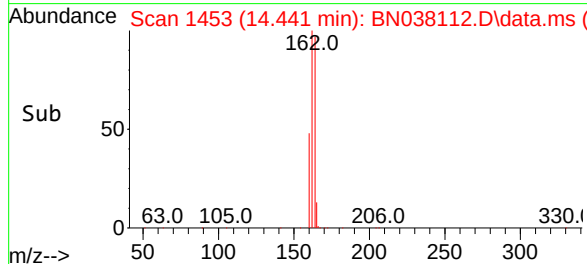
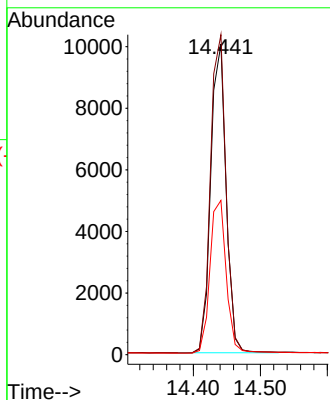
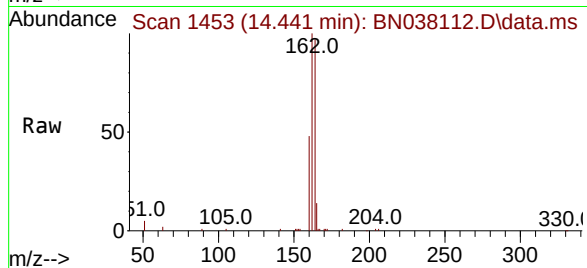




#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.441 min Scan# 1453
Delta R.T. 0.011 min
Lab File: BN038112.D
Acq: 28 Oct 2025 13:36

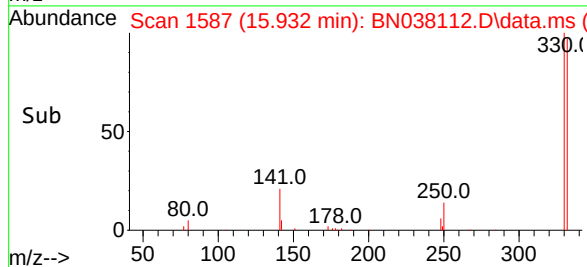
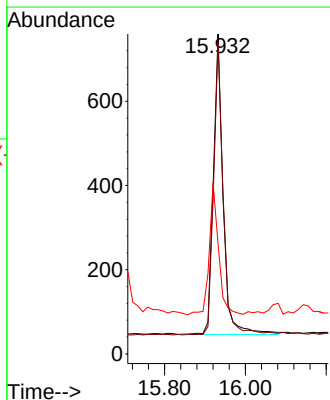
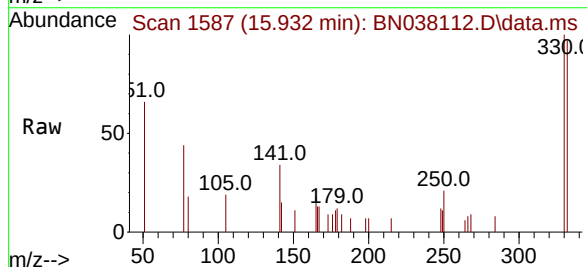
Instrument :
BNA_N
ClientSampleId :
SSTDICC0.2

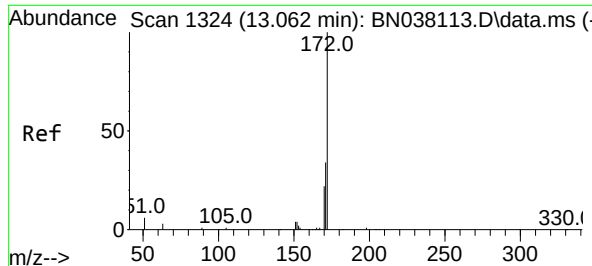
Tgt Ion:	164	Resp:	15941
Ion	Ratio	Lower	Upper
164	100		
162	103.1	83.0	124.4
160	49.6	40.7	61.1



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

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

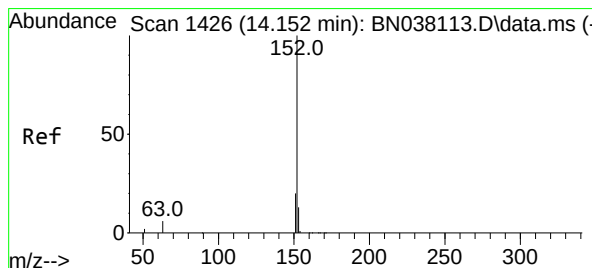
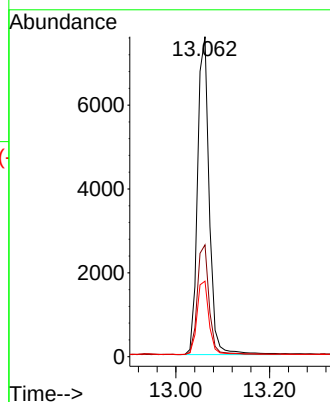
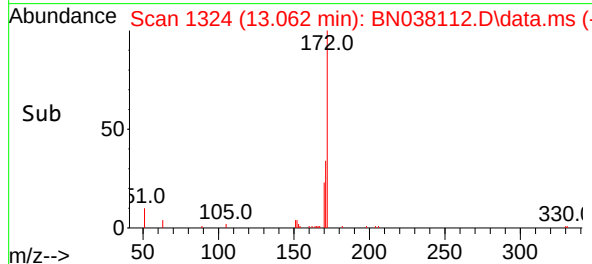
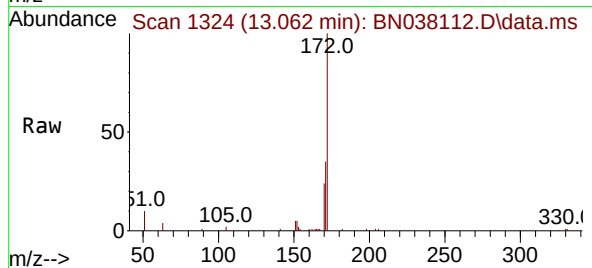




#15
2-Fluorobiphenyl
Concen: 0.206 ng
RT: 13.062 min Scan# 1324
Delta R.T. 0.011 min
Lab File: BN038112.D
Acq: 28 Oct 2025 13:36

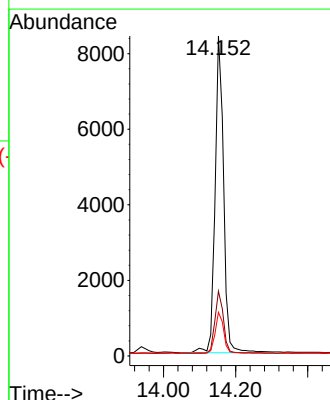
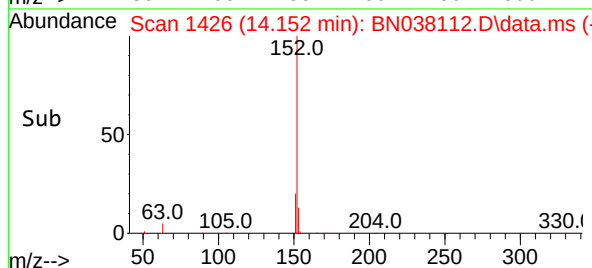
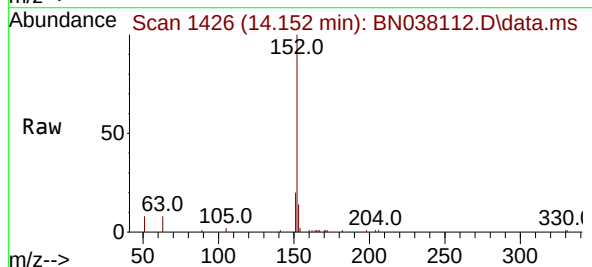
Instrument :
BNA_N
ClientSampleId :
SSTDICC0.2

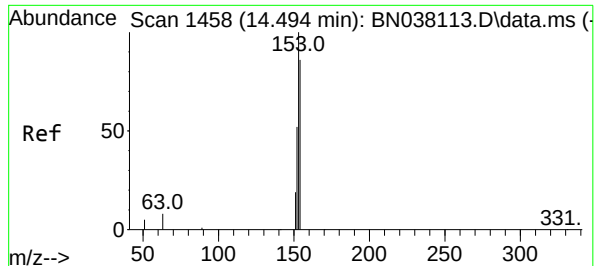
Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.0	27.8	41.6
170	23.6	18.1	27.1



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

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

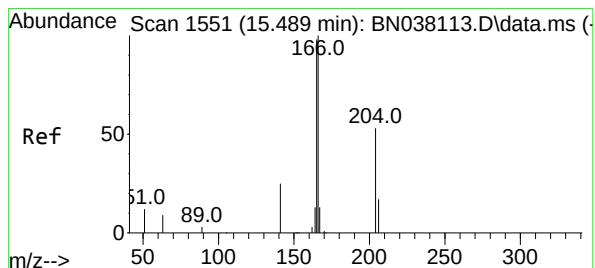
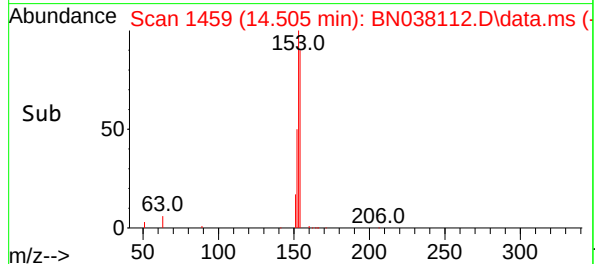
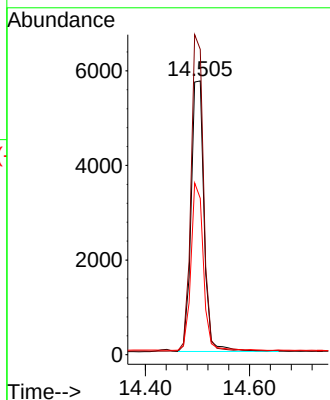
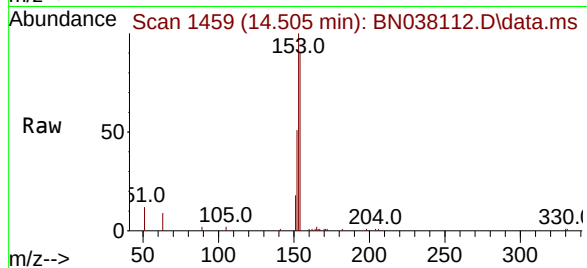




#17
Acenaphthene
Concen: 0.196 ng
RT: 14.505 min Scan# 1459
Delta R.T. 0.011 min
Lab File: BN038112.D
Acq: 28 Oct 2025 13:36

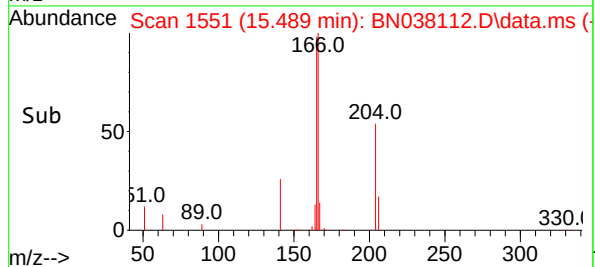
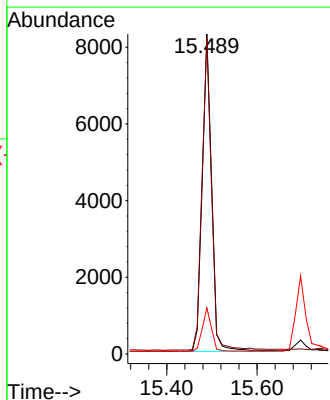
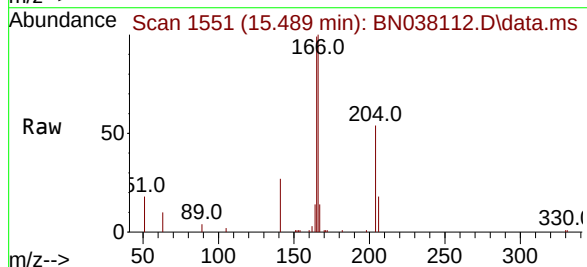
Instrument :
BNA_N
ClientSampleId :
SSTDICC0.2

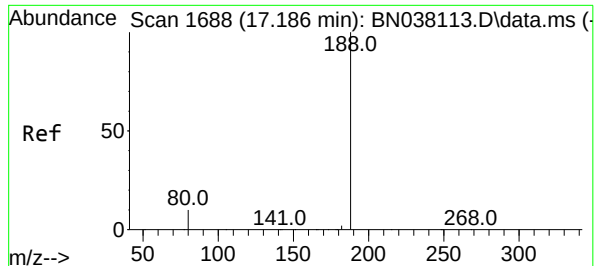
Tgt Ion:154 Resp: 9898
Ion Ratio Lower Upper
154 100
153 112.7 90.0 135.0
152 58.9 47.3 70.9



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

Tgt Ion:166 Resp: 13019
Ion Ratio Lower Upper
166 100
165 98.6 79.0 118.4
167 13.4 10.7 16.1

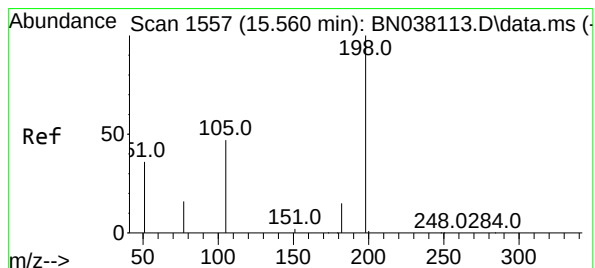
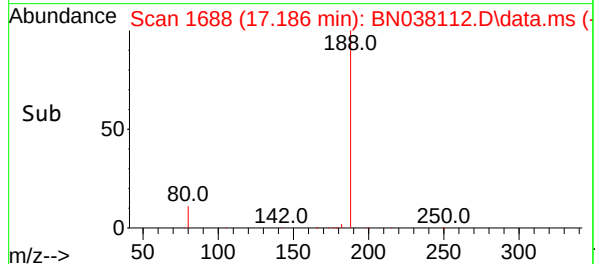
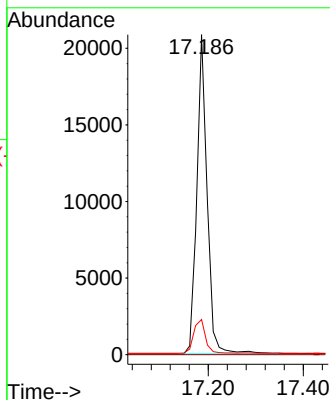
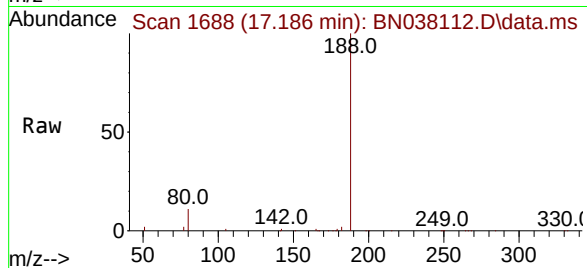




#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.186 min Scan# 1688
Delta R.T. 0.000 min
Lab File: BN038112.D
Acq: 28 Oct 2025 13:36

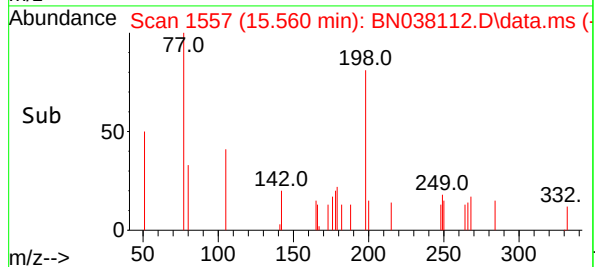
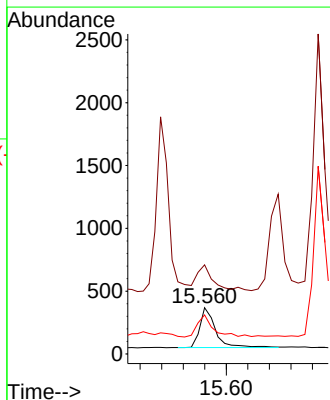
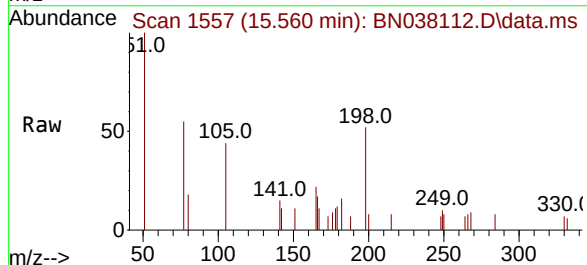
Instrument :
BNA_N
ClientSampleId :
SSTDICC0.2

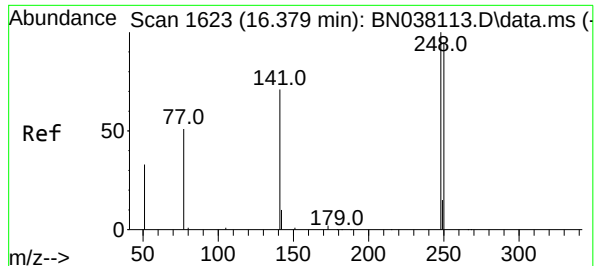
Tgt Ion:188 Resp: 31512
Ion Ratio Lower Upper
188 100
94 0.0 0.0 0.0
80 11.0 8.6 13.0



#20
4,6-Dinitro-2-methylphenol
Concen: 0.238 ng
RT: 15.560 min Scan# 1557
Delta R.T. -0.000 min
Lab File: BN038112.D
Acq: 28 Oct 2025 13:36

Tgt Ion:198 Resp: 639
Ion Ratio Lower Upper
198 100
51 192.9 88.9 133.3#
105 84.5 49.2 73.8#

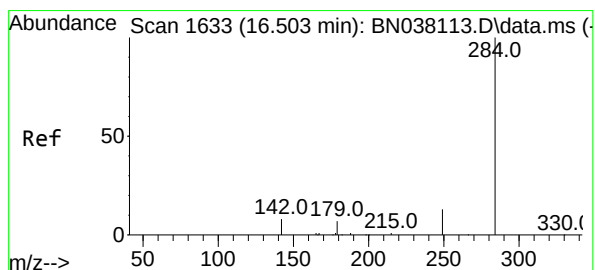
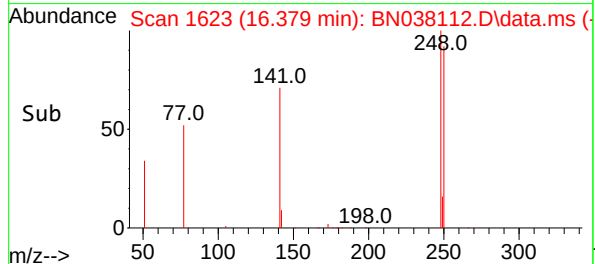
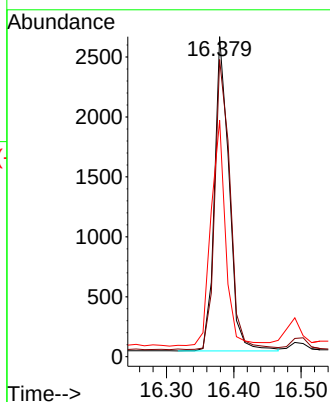
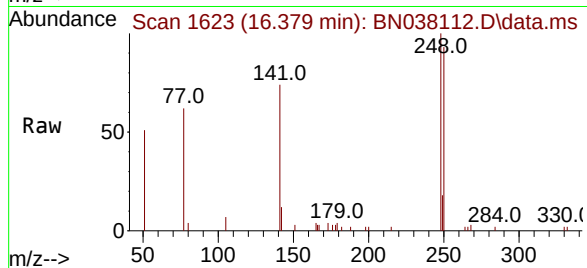




#21
4-Bromophenyl-phenylether
Concen: 0.191 ng
RT: 16.379 min Scan# 1623
Delta R.T. 0.000 min
Lab File: BN038112.D
Acq: 28 Oct 2025 13:36

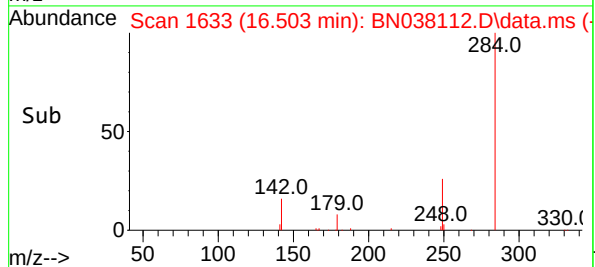
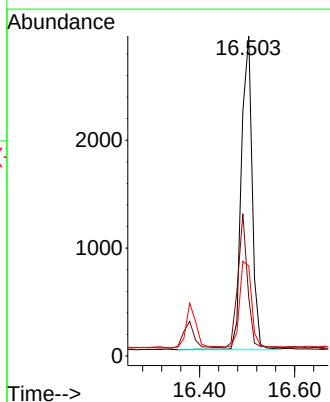
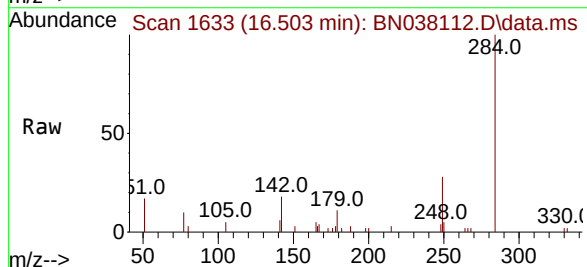
Instrument :
BNA_N
ClientSampleId :
SSTDICC0.2

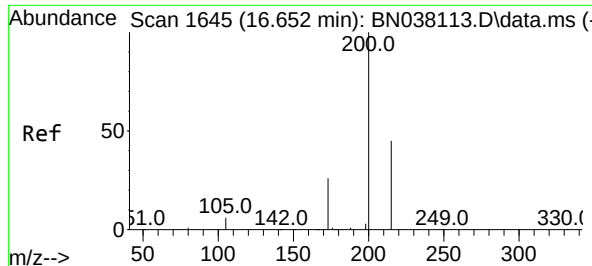
Tgt Ion	Ratio	Lower	Upper
248	100		
250	92.8	76.2	114.2
141	73.9	57.6	86.4



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

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

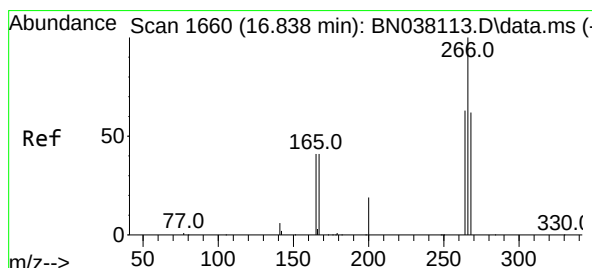
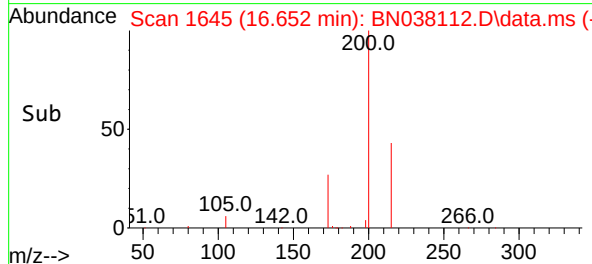
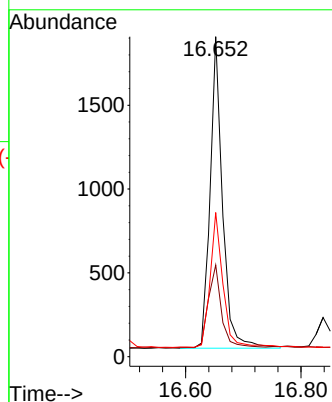
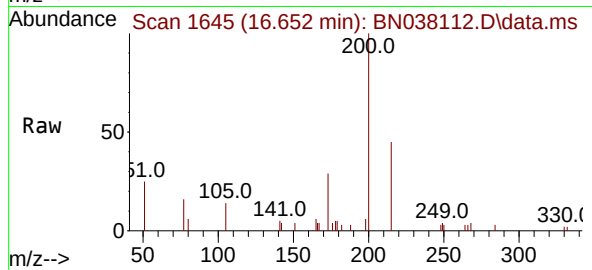




#23
Atrazine
Concen: 0.183 ng
RT: 16.652 min Scan# 1645
Delta R.T. 0.000 min
Lab File: BN038112.D
Acq: 28 Oct 2025 13:36

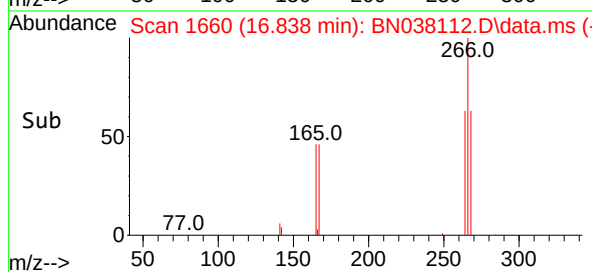
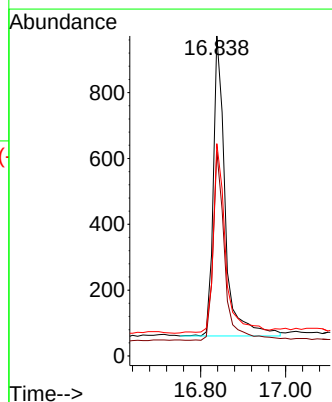
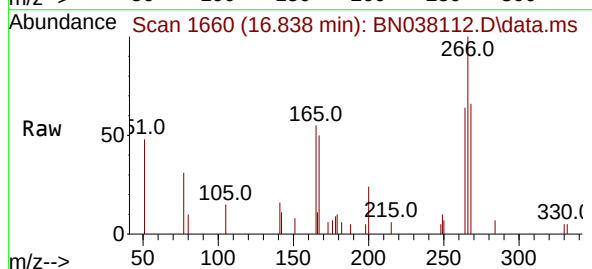
Instrument :
BNA_N
ClientSampleId :
SSTDICC0.2

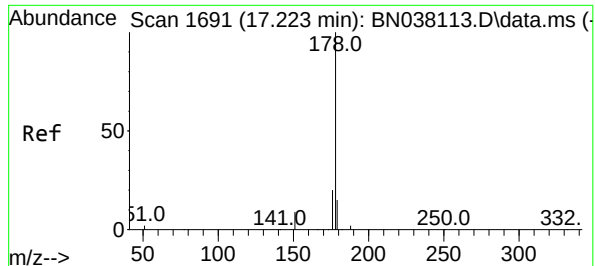
Tgt Ion	Ratio	Lower	Upper
200	100		
173	28.7	21.4	32.2
215	45.0	36.7	55.1



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

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





#25

Phenanthrene

Concen: 0.194 ng

RT: 17.223 min Scan# 1691

Delta R.T. 0.000 min

Lab File: BN038112.D

Acq: 28 Oct 2025 13:36

Instrument :

BNA_N

ClientSampleId :

SSTDICC0.2

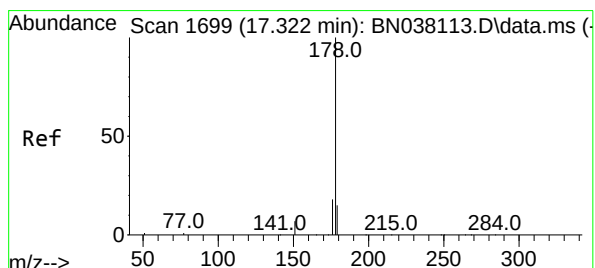
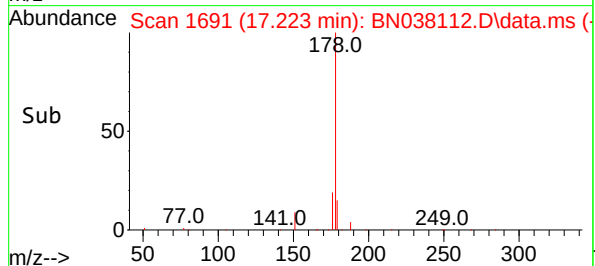
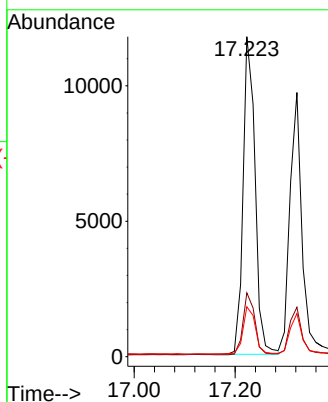
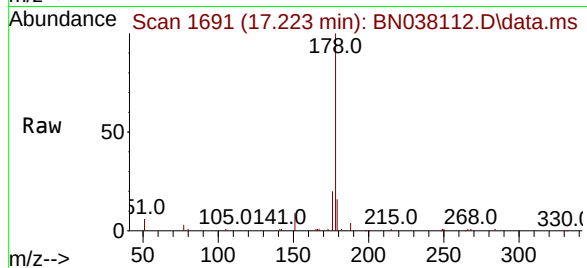
Tgt Ion:178 Resp: 19374

Ion Ratio Lower Upper

178 100

176 19.2 15.5 23.3

179 15.3 12.2 18.4



#26

Anthracene

Concen: 0.185 ng

RT: 17.322 min Scan# 1699

Delta R.T. 0.000 min

Lab File: BN038112.D

Acq: 28 Oct 2025 13:36

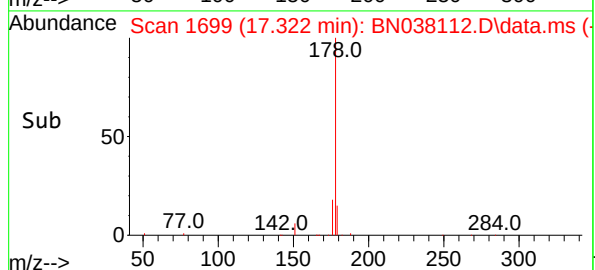
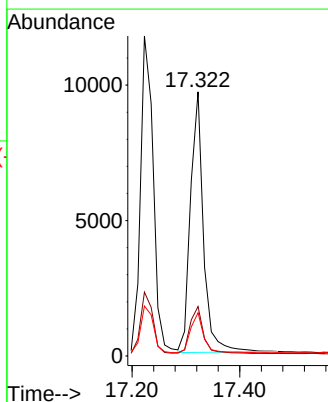
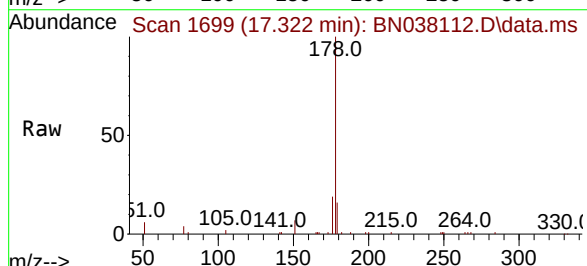
Tgt Ion:178 Resp: 16201

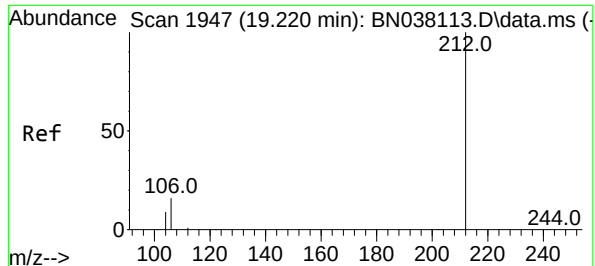
Ion Ratio Lower Upper

178 100

176 18.8 14.9 22.3

179 15.5 11.8 17.8





#27

Fluoranthene-d10

Concen: 0.192 ng

RT: 19.225 min Scan# 1948

Delta R.T. 0.005 min

Lab File: BN038112.D

Acq: 28 Oct 2025 13:36

Instrument :

BNA_N

ClientSampleId :

SSTDICC0.2

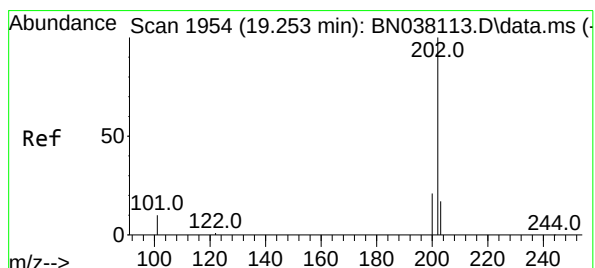
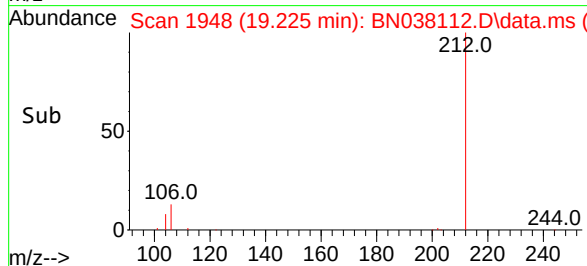
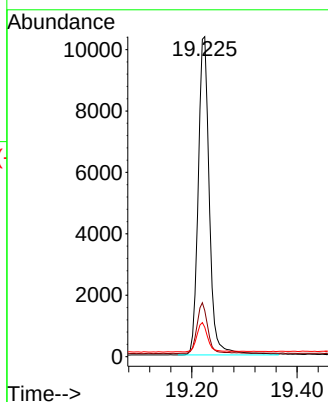
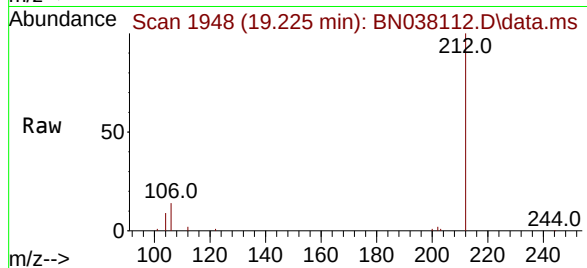
Tgt Ion:212 Resp: 15247

Ion Ratio Lower Upper

212 100

106 15.8 12.6 19.0

104 9.0 7.1 10.7



#28

Fluoranthene

Concen: 0.190 ng

RT: 19.253 min Scan# 1954

Delta R.T. 0.000 min

Lab File: BN038112.D

Acq: 28 Oct 2025 13:36

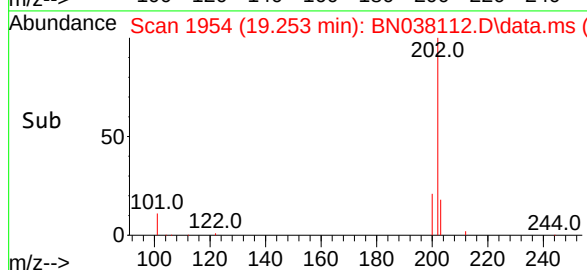
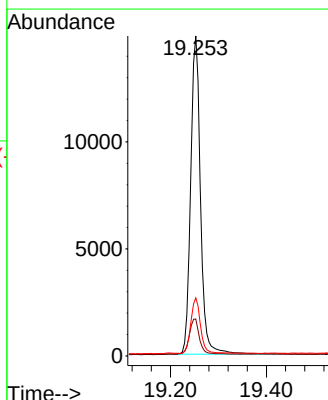
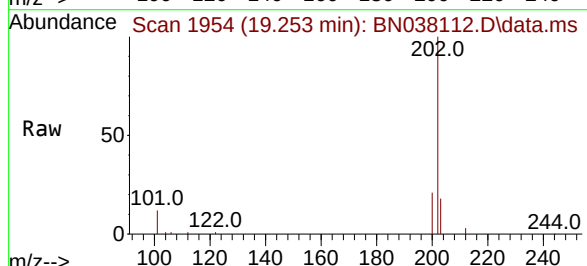
Tgt Ion:202 Resp: 21232

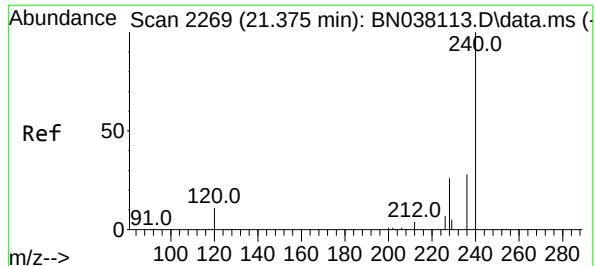
Ion Ratio Lower Upper

202 100

101 11.6 9.4 14.2

203 17.2 13.4 20.2





#29

Chrysene-d12

Concen: 0.400 ng

RT: 21.375 min Scan# 21

Delta R.T. 0.000 min

Lab File: BN038112.D

Acq: 28 Oct 2025 13:36

Instrument :

BNA_N

ClientSampleId :

SSTDICC0.2

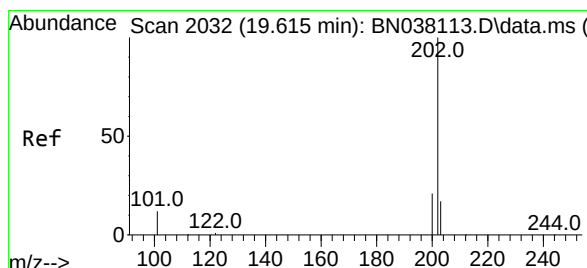
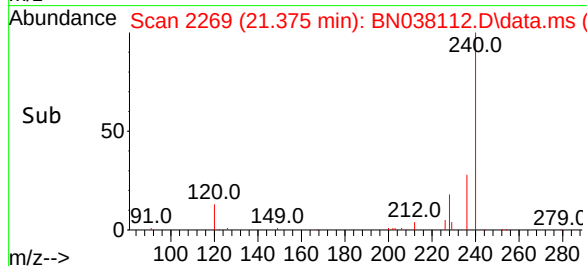
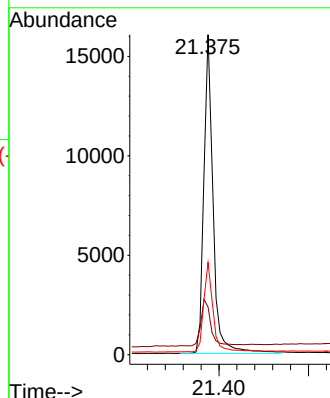
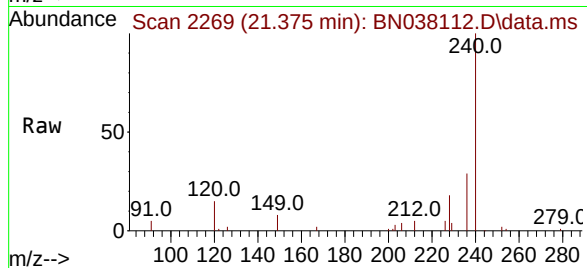
Tgt Ion:240 Resp: 23080

Ion Ratio Lower Upper

240 100

120 14.9 10.7 16.1

236 28.8 23.1 34.7



#30

Pyrene

Concen: 0.205 ng

RT: 19.615 min Scan# 2032

Delta R.T. 0.005 min

Lab File: BN038112.D

Acq: 28 Oct 2025 13:36

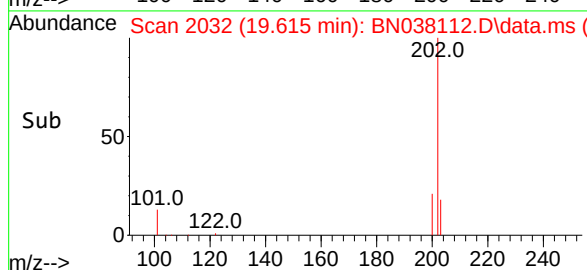
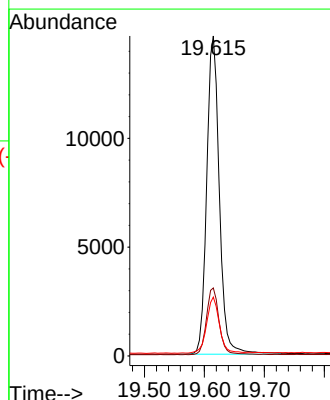
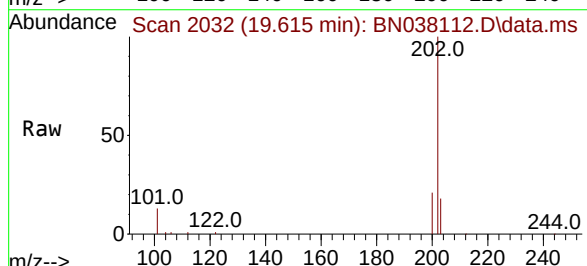
Tgt Ion:202 Resp: 21387

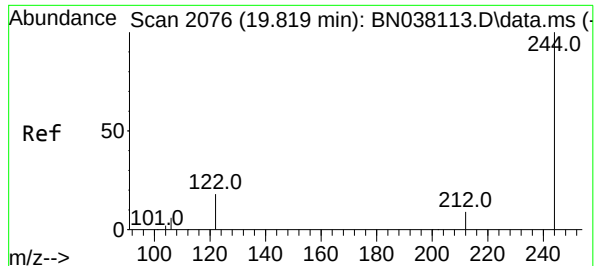
Ion Ratio Lower Upper

202 100

200 21.0 16.7 25.1

203 17.7 14.2 21.2

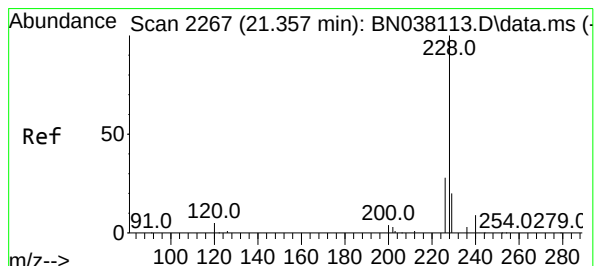
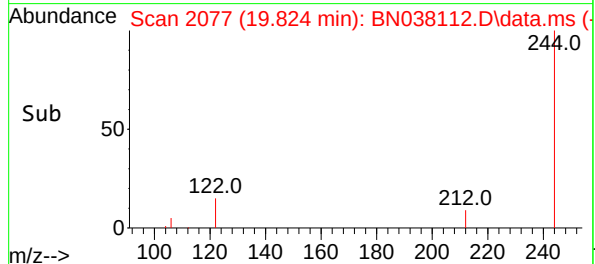
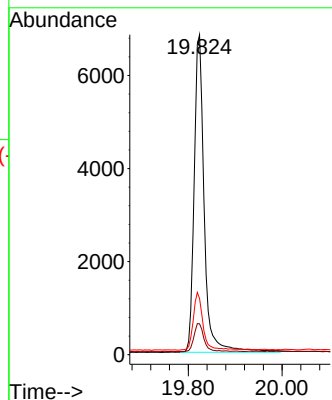
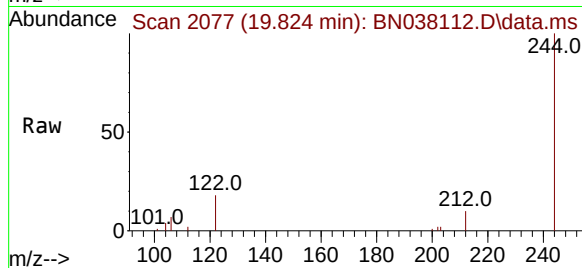




#31
Terphenyl-d14
Concen: 0.203 ng
RT: 19.824 min Scan# 2076
Delta R.T. 0.005 min
Lab File: BN038112.D
Acq: 28 Oct 2025 13:36

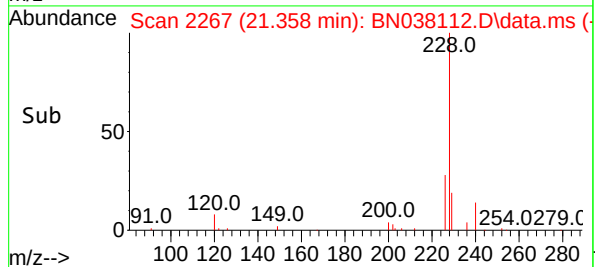
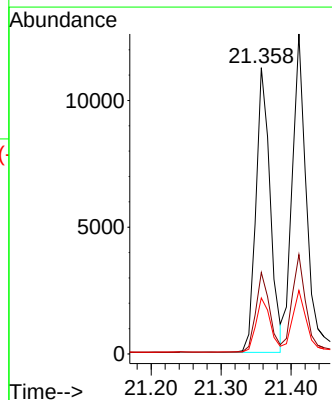
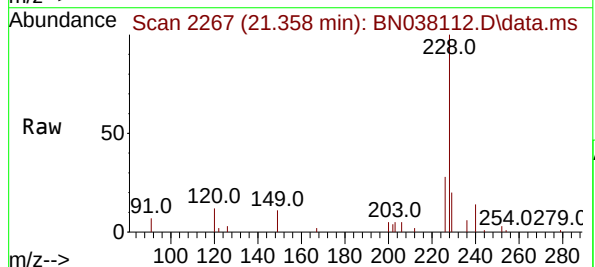
Instrument :
BNA_N
ClientSampleId :
SSTDICC0.2

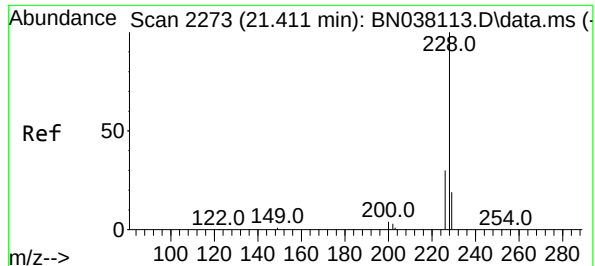
Tgt Ion:244 Resp: 10170
Ion Ratio Lower Upper
244 100
212 9.6 7.8 11.6
122 17.6 15.2 22.8



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

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





#33

Chrysene

Concen: 0.205 ng

RT: 21.411 min Scan# 21

Delta R.T. 0.000 min

Lab File: BN038112.D

Acq: 28 Oct 2025 13:36

Instrument :

BNA_N

ClientSampleId :

SSTDICC0.2

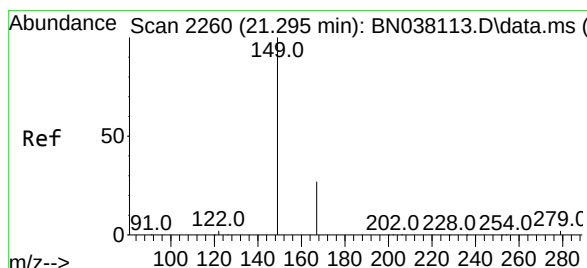
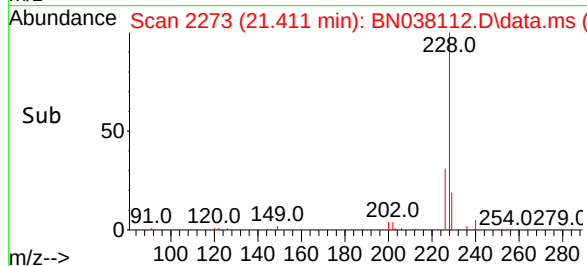
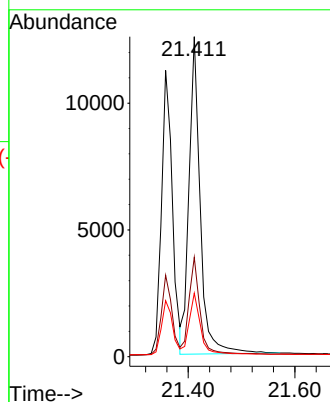
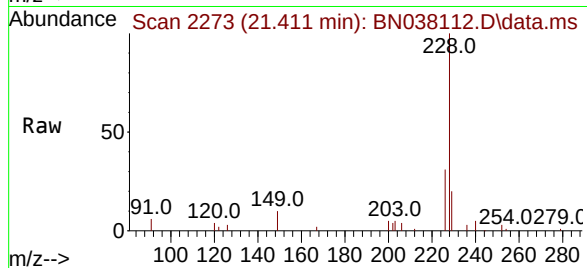
Tgt Ion:228 Resp: 18301

Ion Ratio Lower Upper

228 100

226 31.1 24.3 36.5

229 19.9 15.7 23.5



#34

Bis(2-ethylhexyl)phthalate

Concen: 0.242 ng

RT: 21.295 min Scan# 2260

Delta R.T. 0.000 min

Lab File: BN038112.D

Acq: 28 Oct 2025 13:36

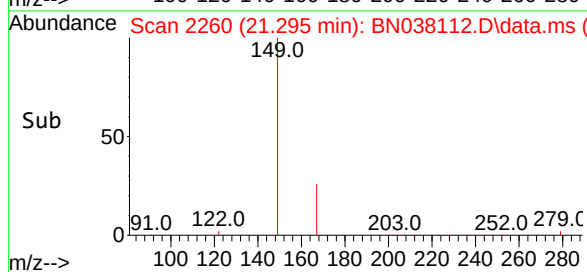
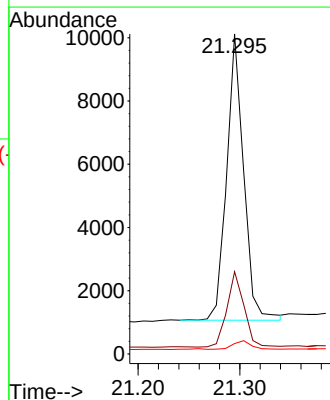
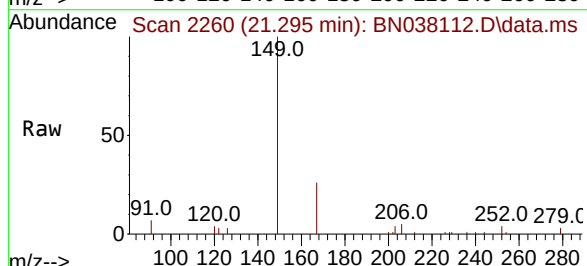
Tgt Ion:149 Resp: 10496

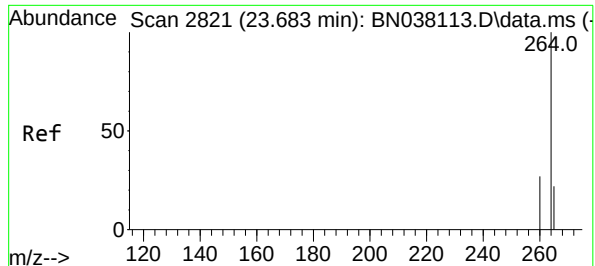
Ion Ratio Lower Upper

149 100

167 26.3 21.1 31.7

279 3.1 2.9 4.3





#35

Perylene-d12

Concen: 0.400 ng

RT: 23.683 min Scan# 21

Delta R.T. 0.003 min

Lab File: BN038112.D

Acq: 28 Oct 2025 13:36

Instrument :

BNA_N

ClientSampleId :

SSTDICC0.2

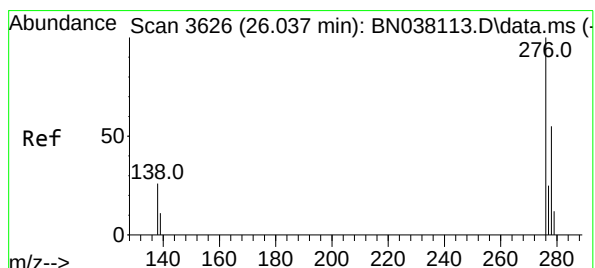
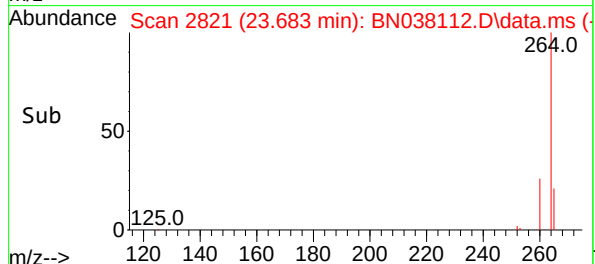
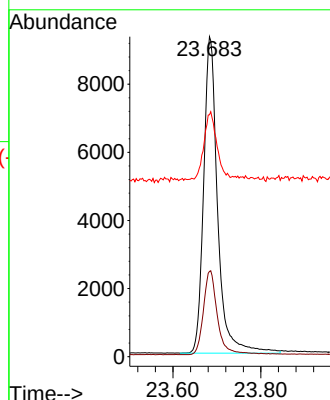
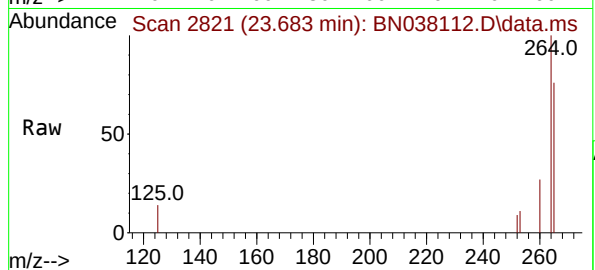
Tgt Ion:264 Resp: 20598

Ion Ratio Lower Upper

264 100

260 26.6 21.8 32.8

265 75.6 68.6 102.8



#36

Indeno(1,2,3-cd)pyrene

Concen: 0.184 ng

RT: 26.039 min Scan# 3627

Delta R.T. 0.006 min

Lab File: BN038112.D

Acq: 28 Oct 2025 13:36

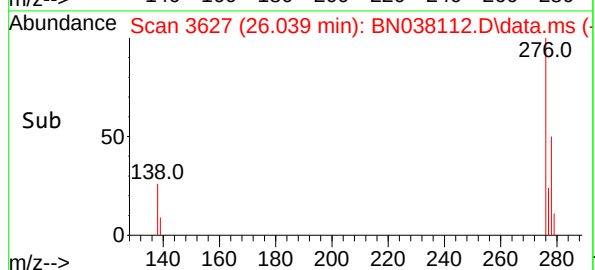
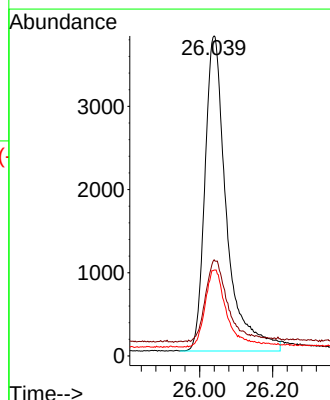
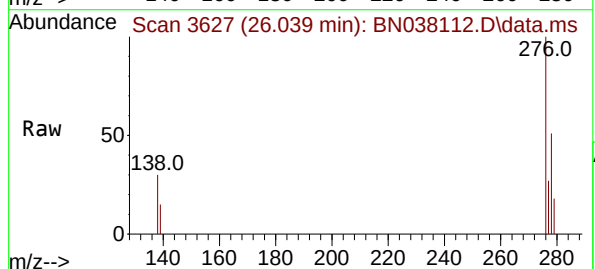
Tgt Ion:276 Resp: 15575

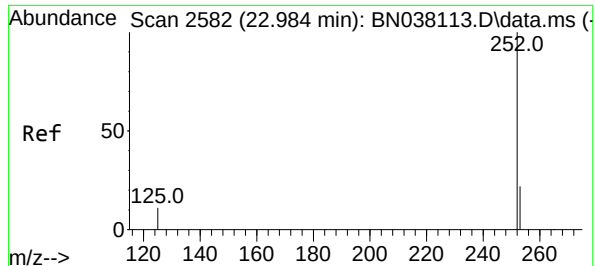
Ion Ratio Lower Upper

276 100

138 25.6 21.4 32.0

277 24.2 19.2 28.8





#37

Benzo(b)fluoranthene

Concen: 0.180 ng

RT: 22.984 min Scan# 2582

Delta R.T. 0.003 min

Lab File: BN038112.D

Acq: 28 Oct 2025 13:36

Instrument :

BNA_N

ClientSampleId :

SSTDICC0.2

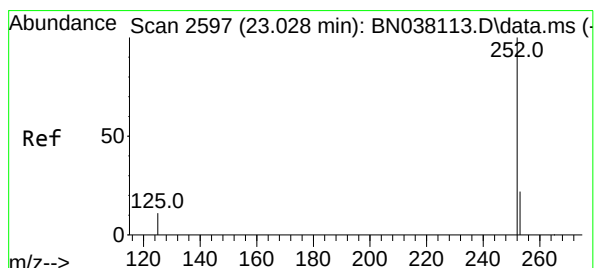
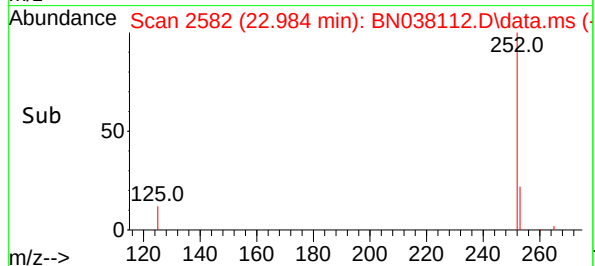
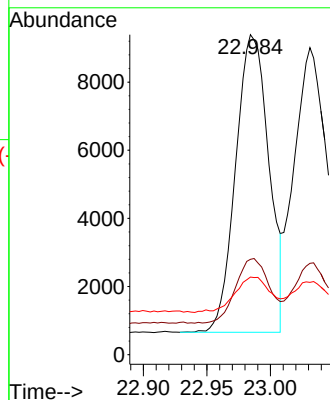
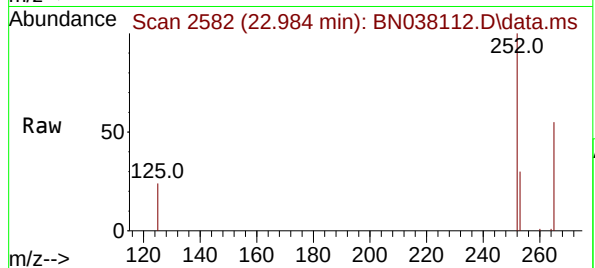
Tgt Ion:252 Resp: 15888

Ion Ratio Lower Upper

252 100

253 29.8 20.9 31.3

125 24.3 14.1 21.1#



#38

Benzo(k)fluoranthene

Concen: 0.185 ng

RT: 23.031 min Scan# 2598

Delta R.T. 0.003 min

Lab File: BN038112.D

Acq: 28 Oct 2025 13:36

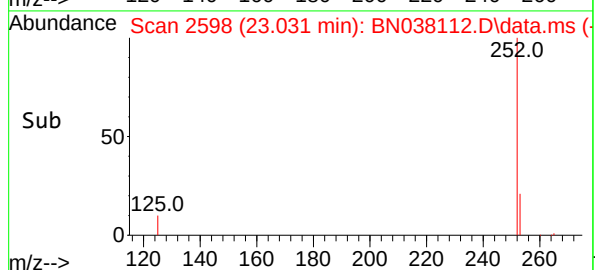
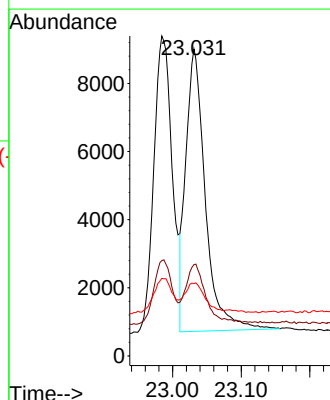
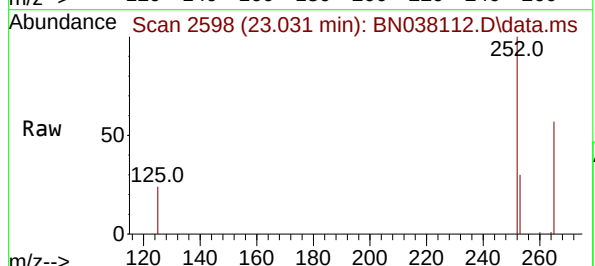
Tgt Ion:252 Resp: 16371

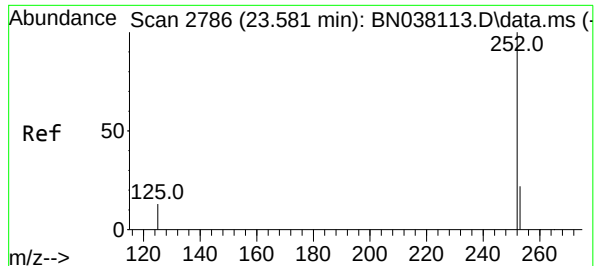
Ion Ratio Lower Upper

252 100

253 29.7 21.2 31.8

125 23.6 14.6 22.0#





#39

Benzo(a)pyrene

Concen: 0.186 ng

RT: 23.584 min Scan# 21

Delta R.T. 0.006 min

Lab File: BN038112.D

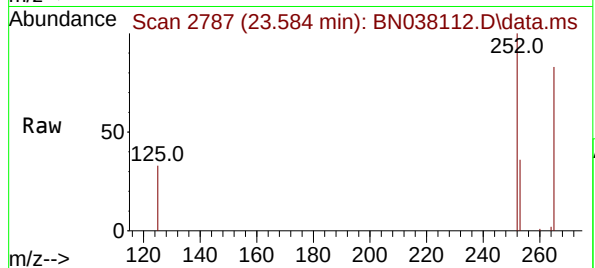
Acq: 28 Oct 2025 13:36

Instrument :

BNA_N

ClientSampleId :

SSTDICC0.2



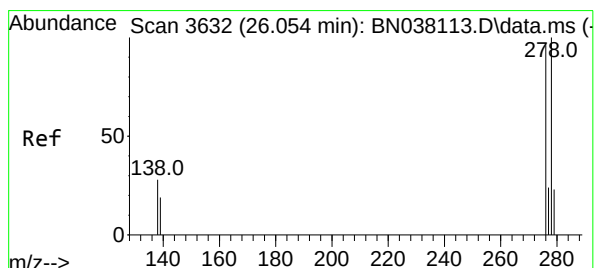
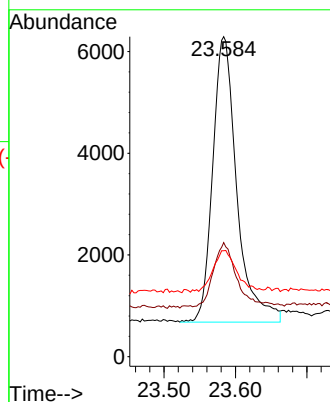
Tgt Ion:252 Resp: 13137

Ion Ratio Lower Upper

252 100

253 35.6 23.1 34.7#

125 33.1 18.6 28.0#



#40

Dibenzo(a,h)anthracene

Concen: 0.182 ng

RT: 26.057 min Scan# 3633

Delta R.T. 0.009 min

Lab File: BN038112.D

Acq: 28 Oct 2025 13:36

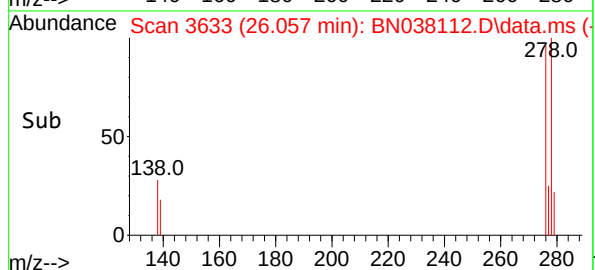
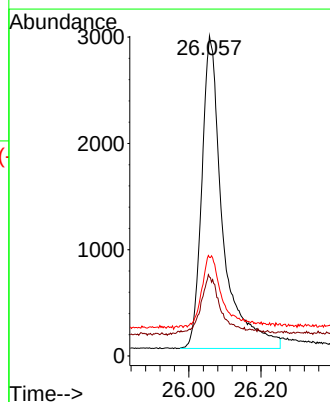
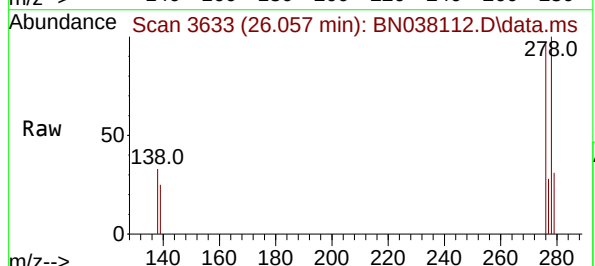
Tgt Ion:278 Resp: 11845

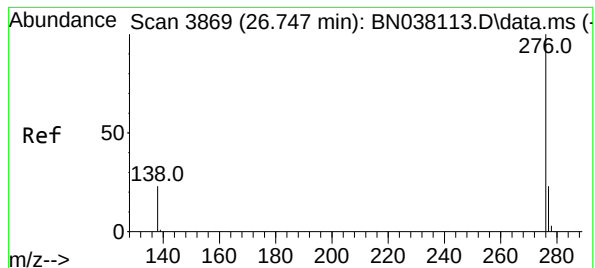
Ion Ratio Lower Upper

278 100

139 24.7 17.6 26.4

279 30.8 22.6 33.8





#41

Benzo(g,h,i)perylene

Concen: 0.189 ng

RT: 26.753 min Scan# 3871

Delta R.T. 0.003 min

Lab File: BN038112.D

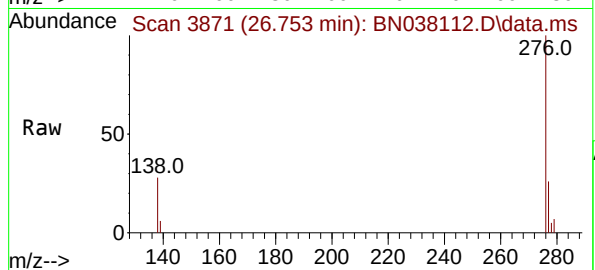
Acq: 28 Oct 2025 13:36

Instrument :

BNA_N

ClientSampleId :

SSTDICC0.2



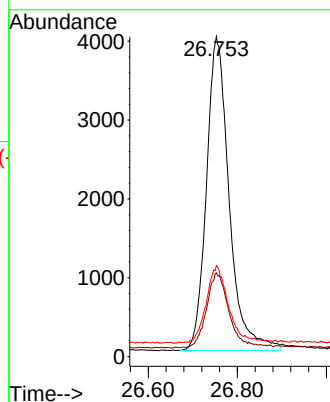
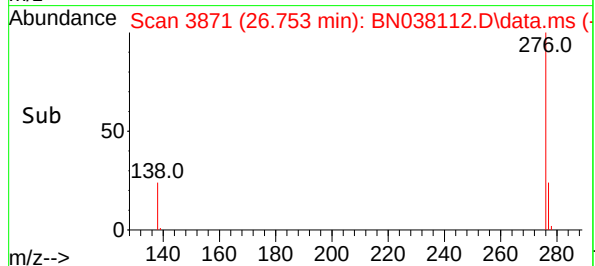
Tgt Ion:276 Resp: 14055

Ion Ratio Lower Upper

276 100

277 26.2 19.7 29.5

138 28.5 20.2 30.4



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

Instrument :
 BNA_N
 ClientSampleId :
 SSTDICCC0.4

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

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

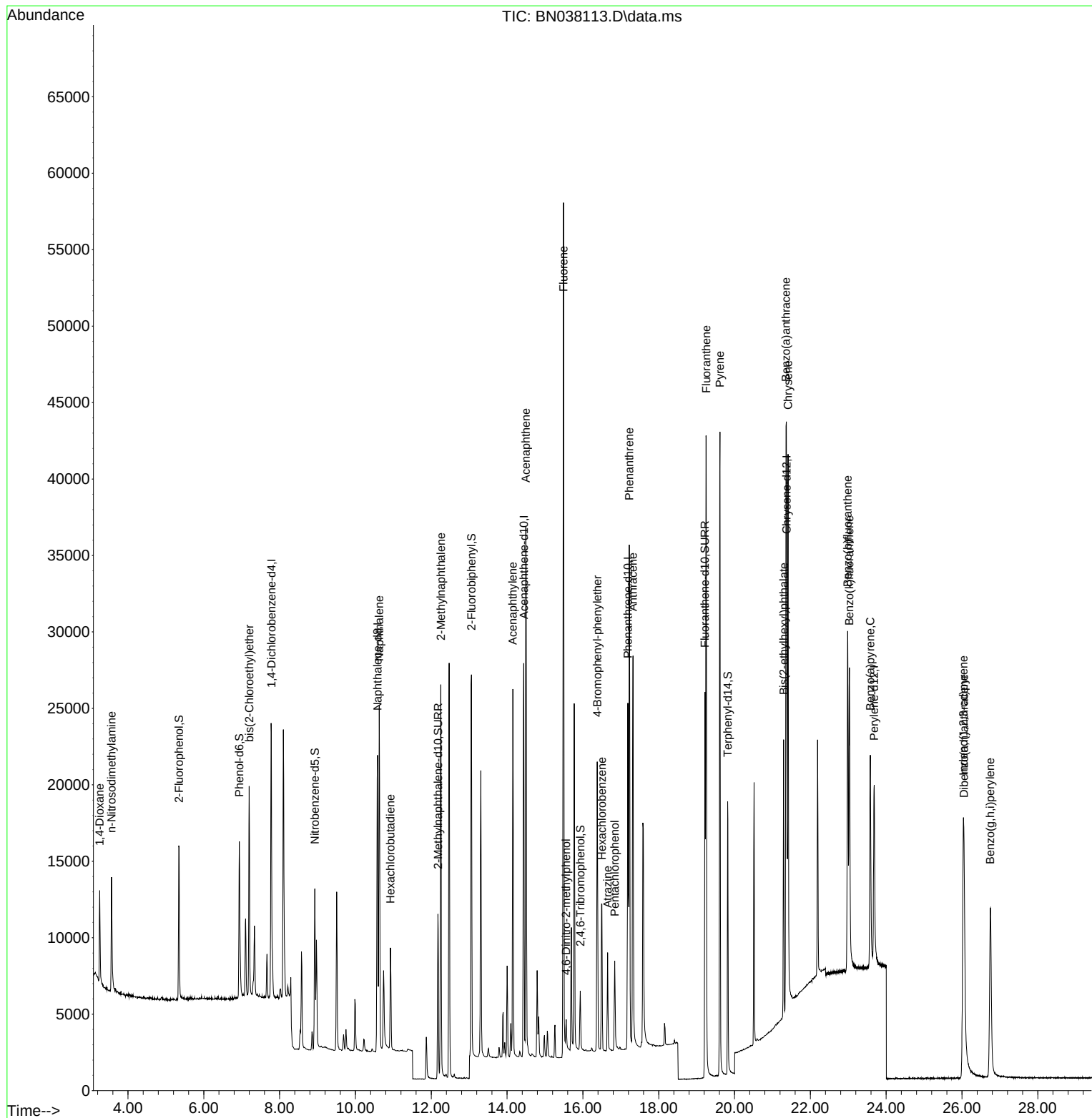
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.782	152	9189	0.400	ng	0.00
7) Naphthalene-d8	10.584	136	27629	0.400	ng	0.01
13) Acenaphthene-d10	14.441	164	15496	0.400	ng	0.01
19) Phenanthrene-d10	17.186	188	29547	0.400	ng	0.00
29) Chrysene-d12	21.375	240	21529	0.400	ng	0.00
35) Perylene-d12	23.683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

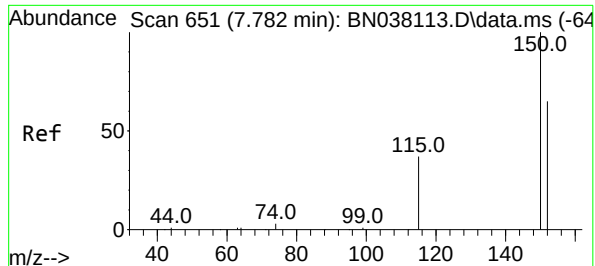
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Data File : BN038113.D
Acq On : 28 Oct 2025 14:13
Operator : RC/JU
Sample : SSTDICC0.4
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.4

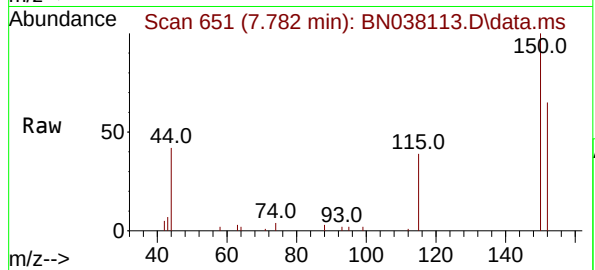
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Oct 28 17:15:13 2025
Response via : Initial Calibration



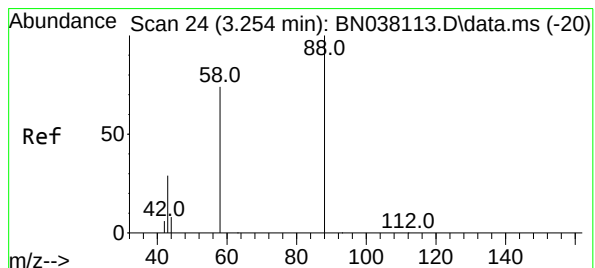
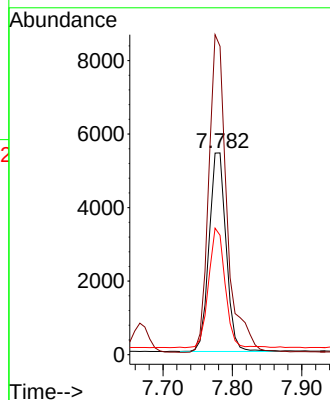
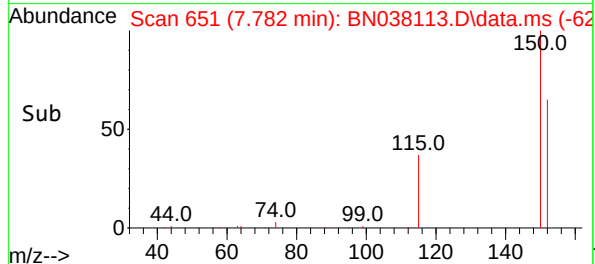


#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.782 min Scan# 61
Delta R.T. 0.007 min
Lab File: BN038113.D
Acq: 28 Oct 2025 14:13

Instrument :
BNA_N
ClientSampleId :
SSTDICCC0.4

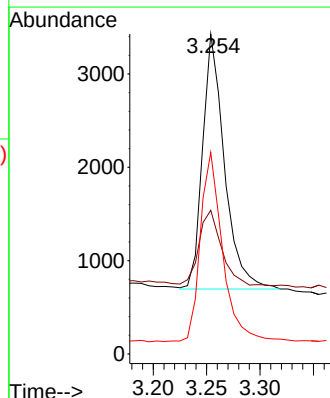
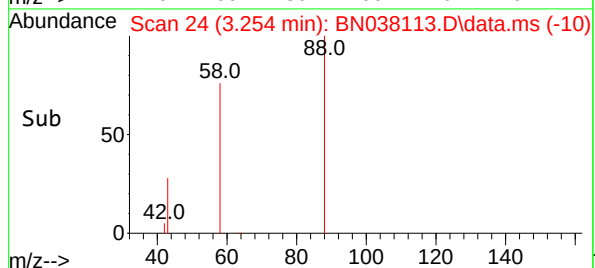
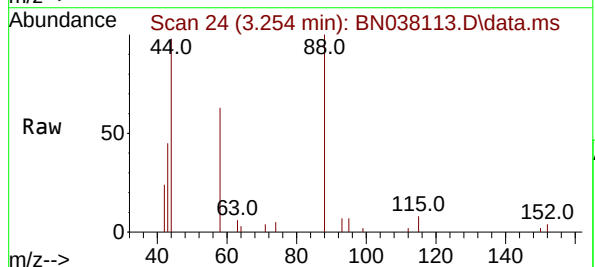


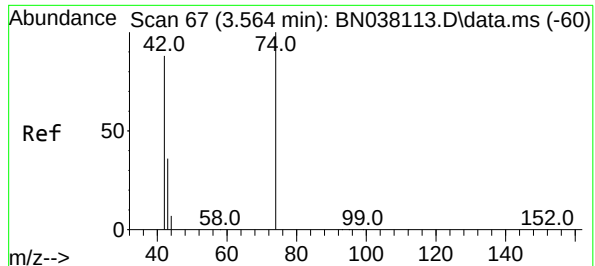
Tgt Ion:152 Resp: 9189
Ion Ratio Lower Upper
152 100
150 152.9 122.3 183.5
115 59.2 47.4 71.0



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

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

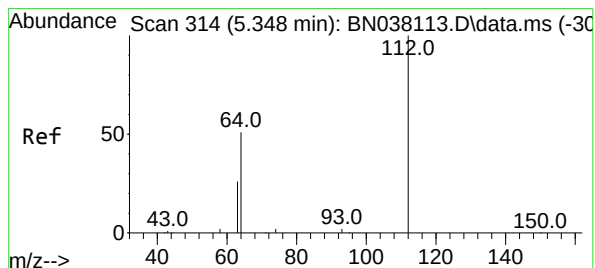
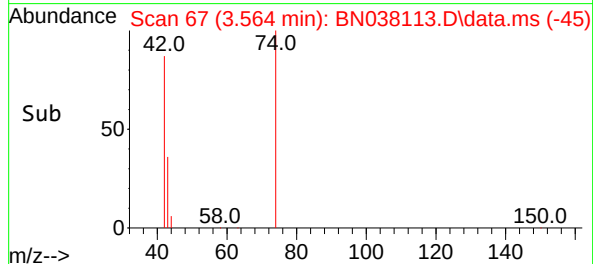
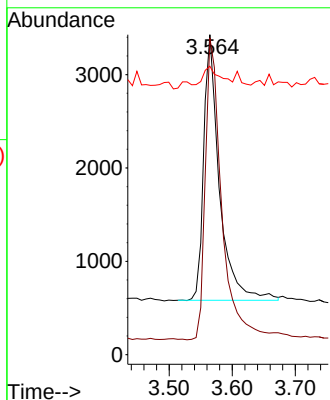
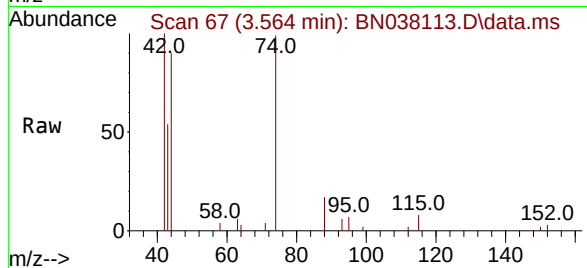




#3
n-Nitrosodimethylamine
Concen: 0.402 ng
RT: 3.564 min Scan# 61
Delta R.T. 0.007 min
Lab File: BN038113.D
Acq: 28 Oct 2025 14:13

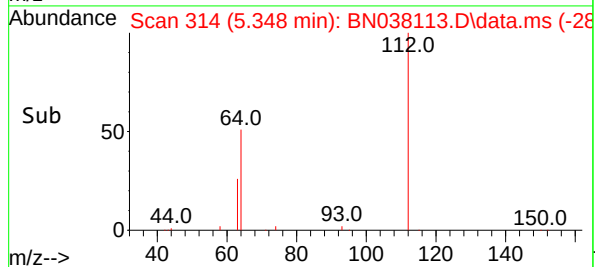
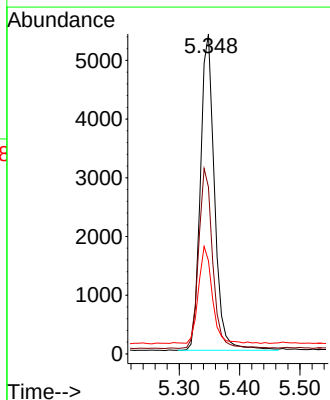
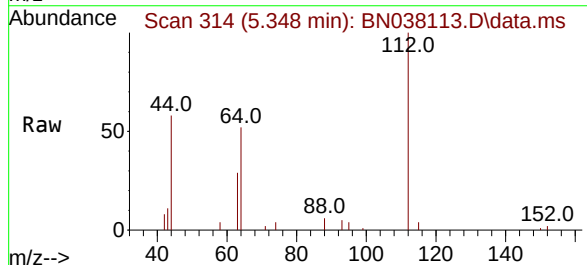
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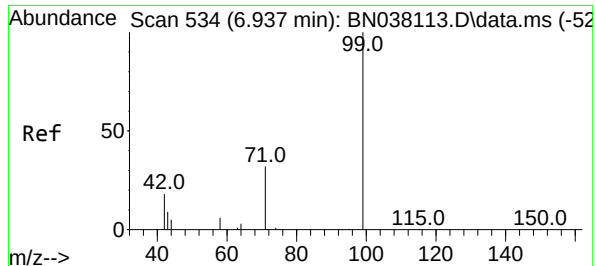
Tgt Ion: 42 Resp: 4910
Ion Ratio Lower Upper
42 100
74 121.1 96.8 145.2
44 6.7 5.3 7.9



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

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

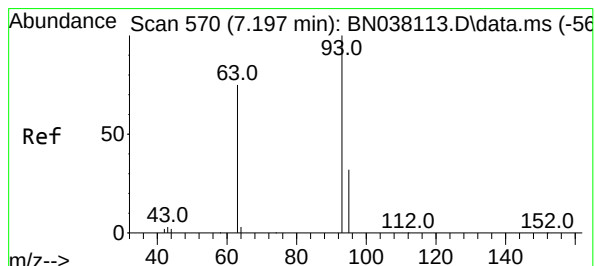
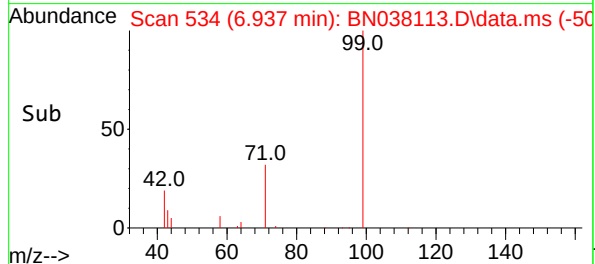
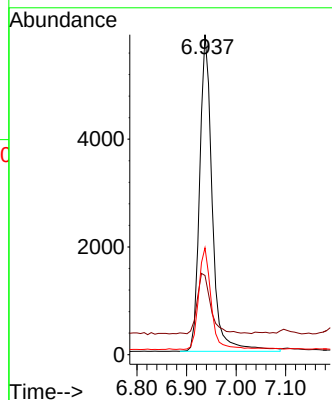
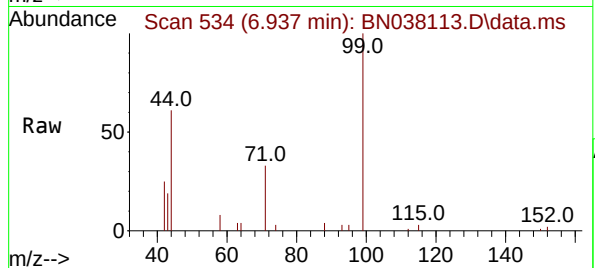




#5
Phenol-d6
Concen: 0.395 ng
RT: 6.937 min Scan# 51
Delta R.T. -0.000 min
Lab File: BN038113.D
Acq: 28 Oct 2025 14:13

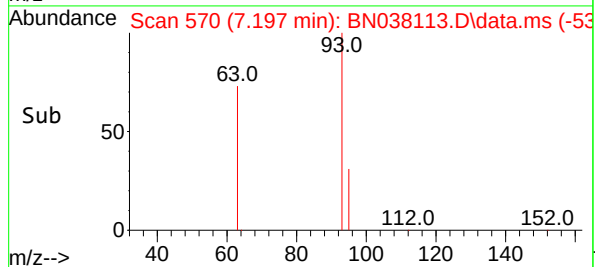
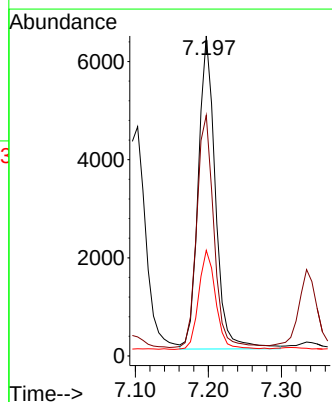
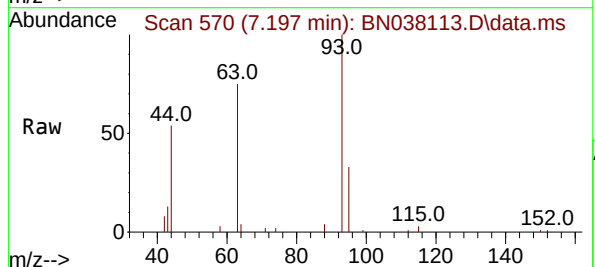
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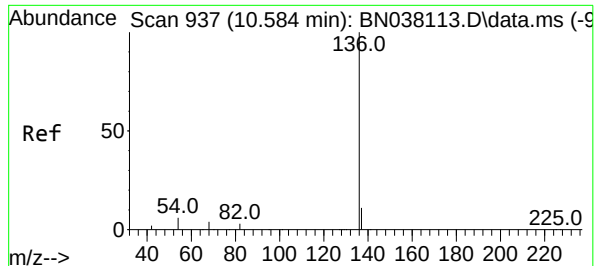
Tgt Ion: 99 Resp: 10420
Ion Ratio Lower Upper
99 100
42 20.7 16.6 24.8
71 31.8 25.4 38.2



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

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

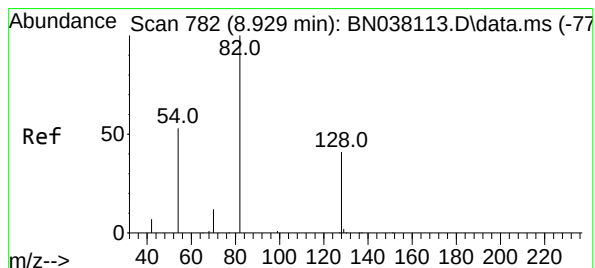
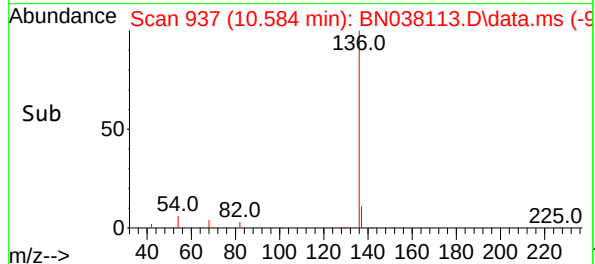
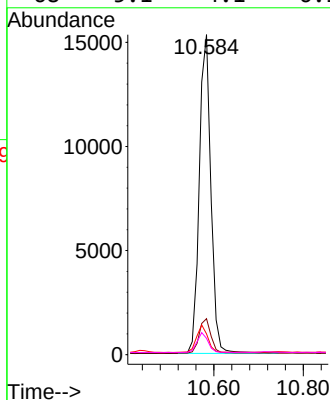
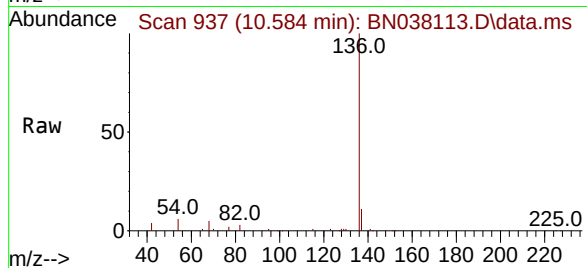




#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.584 min Scan# 91
Delta R.T. 0.011 min
Lab File: BN038113.D
Acq: 28 Oct 2025 14:13

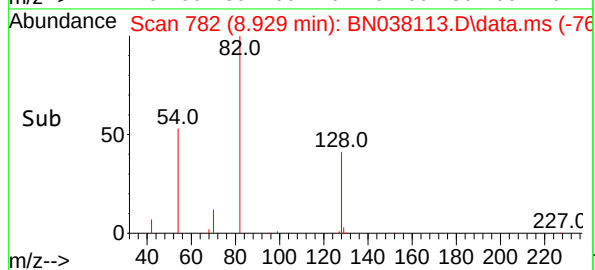
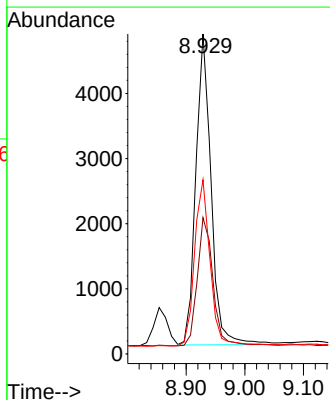
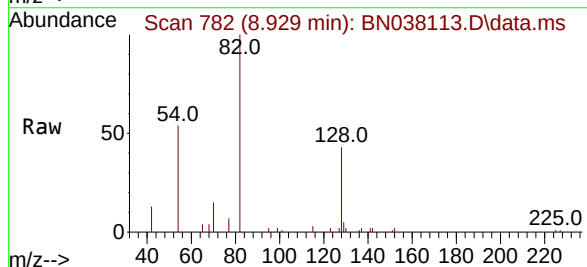
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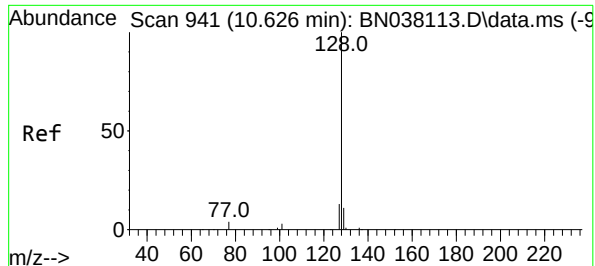
Tgt Ion:	136	Resp:	27629
Ion	Ratio	Lower	Upper
136	100		
137	11.2	9.0	13.4
54	6.5	5.2	7.8
68	5.1	4.1	6.1



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

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

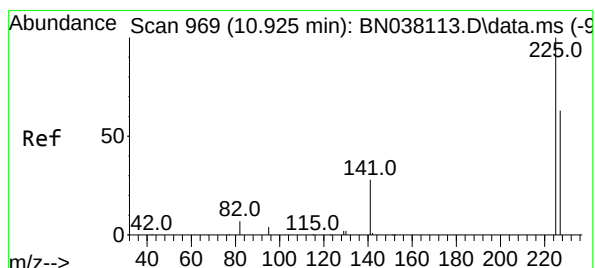
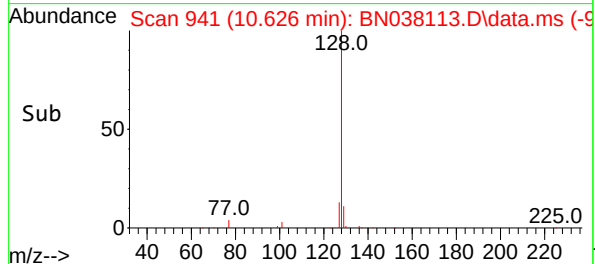
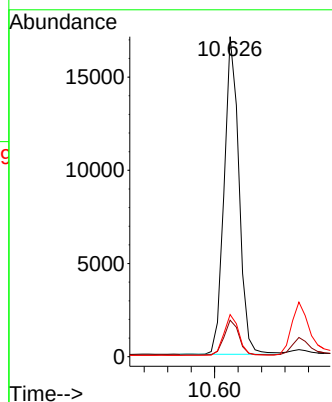
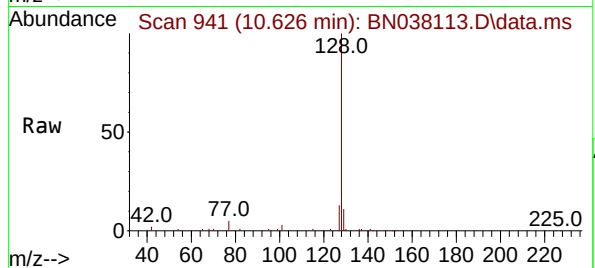




#9
Naphthalene
Concen: 0.392 ng
RT: 10.626 min Scan# 941
Delta R.T. -0.000 min
Lab File: BN038113.D
Acq: 28 Oct 2025 14:13

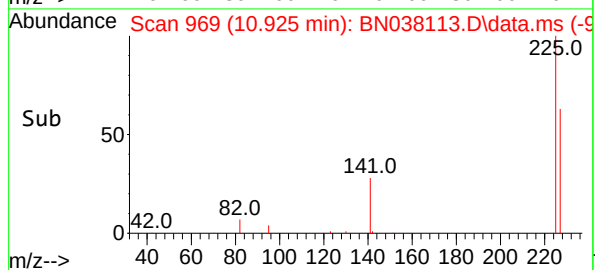
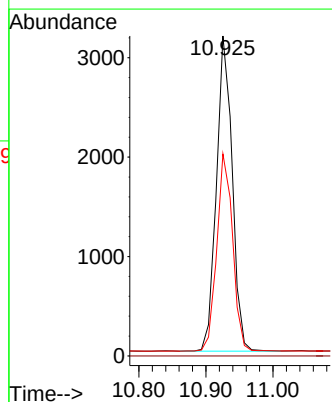
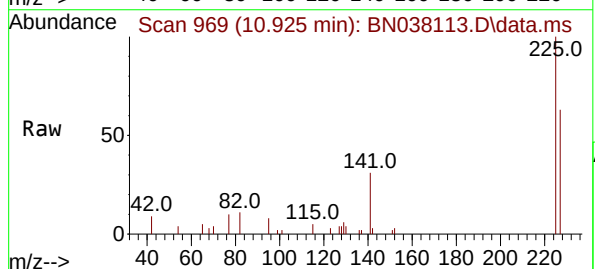
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ClientSampleId :
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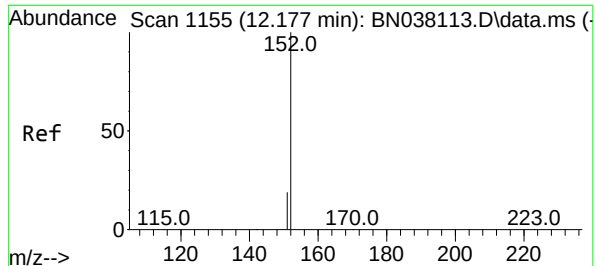
Tgt Ion:128 Resp: 29858
Ion Ratio Lower Upper
128 100
129 11.4 9.1 13.7
127 13.1 10.5 15.7



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

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

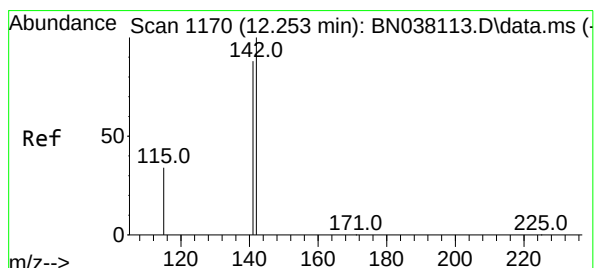
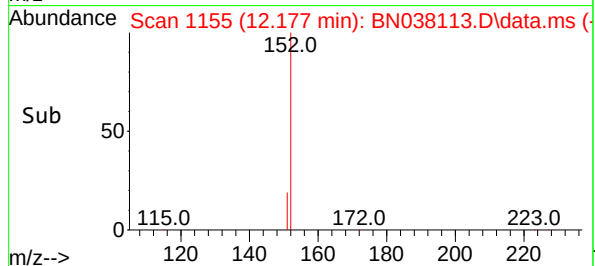
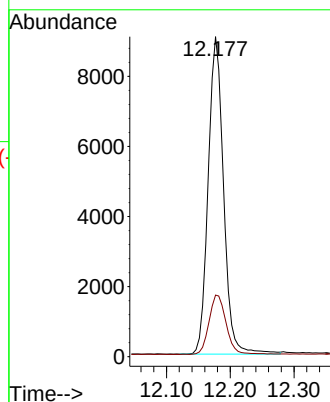
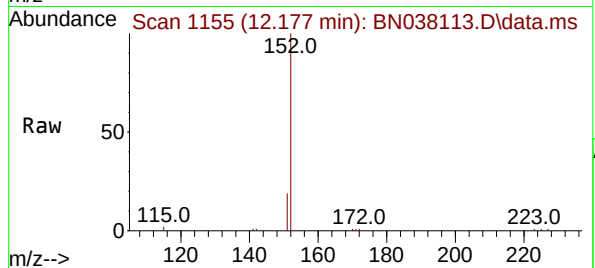




#11
2-Methylnaphthalene-d10
Concen: 0.386 ng
RT: 12.177 min Scan# 1155
Delta R.T. -0.000 min
Lab File: BN038113.D
Acq: 28 Oct 2025 14:13

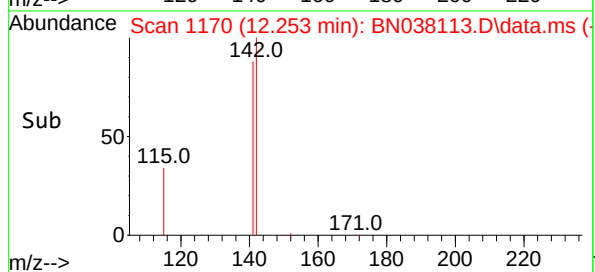
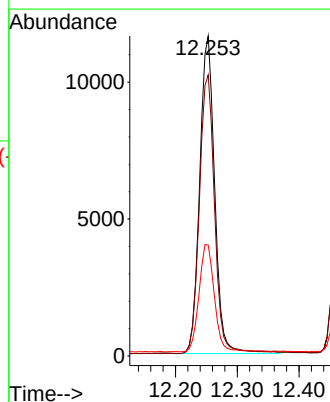
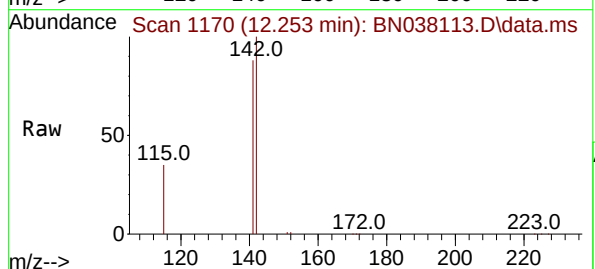
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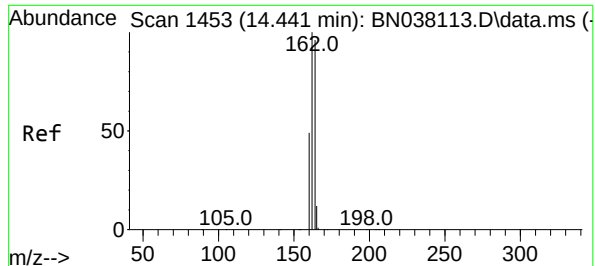
Tgt Ion:152 Resp: 15231
Ion Ratio Lower Upper
152 100
151 21.0 16.8 25.2



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

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

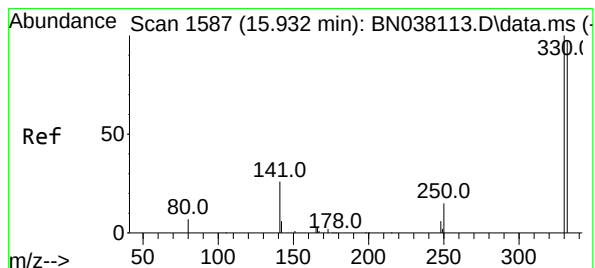
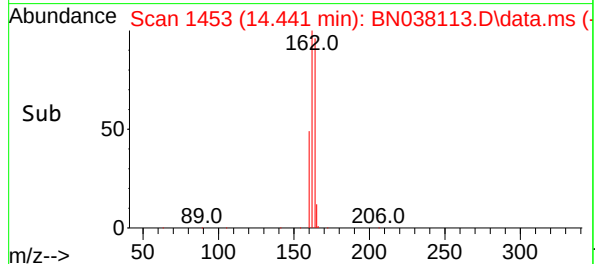
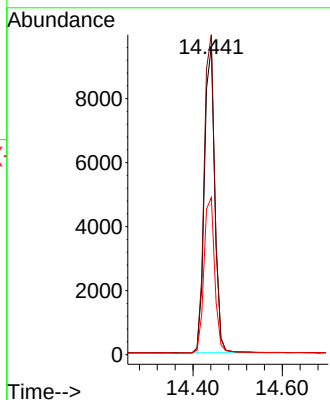
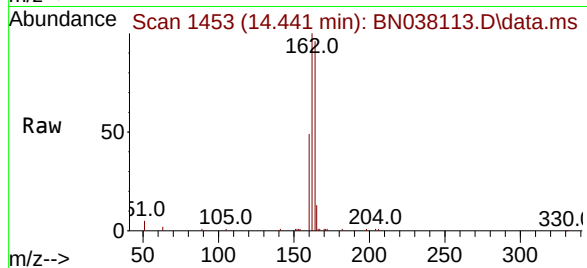




#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.441 min Scan# 1453
Delta R.T. 0.011 min
Lab File: BN038113.D
Acq: 28 Oct 2025 14:13

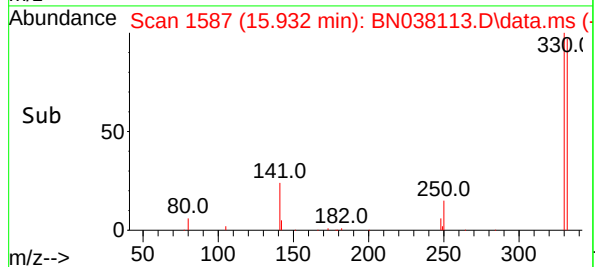
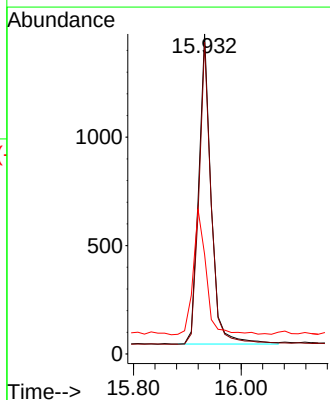
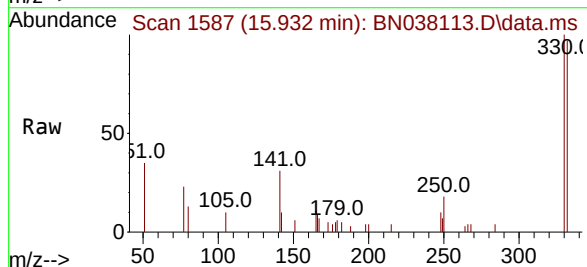
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ClientSampleId :
SSTDICCC0.4

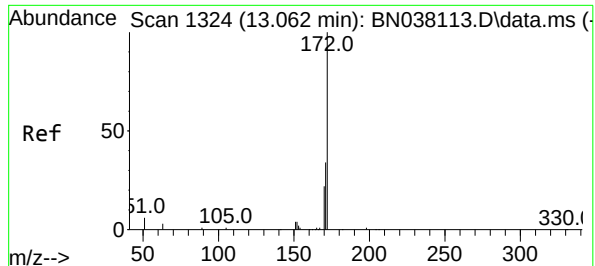
Tgt Ion:164 Resp: 15496
Ion Ratio Lower Upper
164 100
162 103.7 83.0 124.4
160 50.9 40.7 61.1



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

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

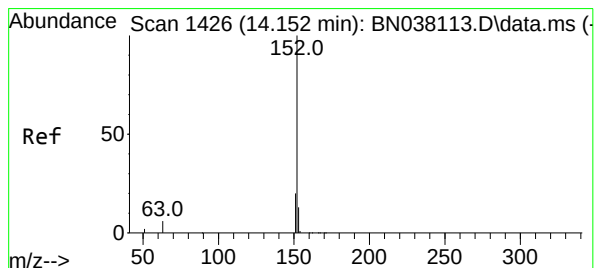
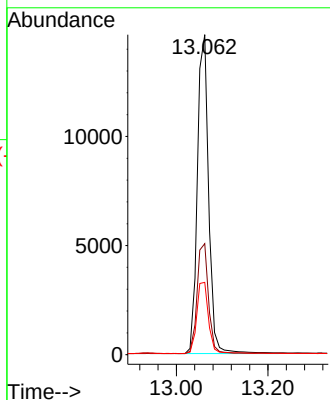
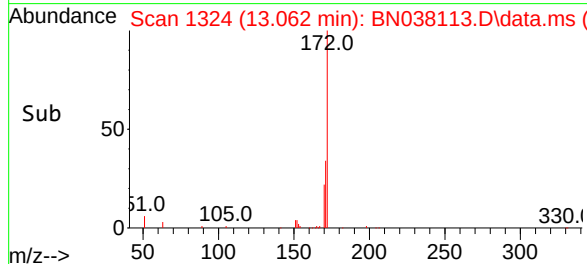
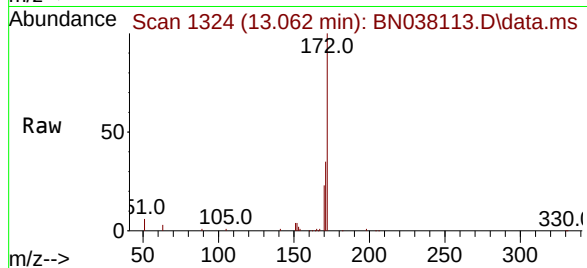




#15
2-Fluorobiphenyl
Concen: 0.394 ng
RT: 13.062 min Scan# 1324
Delta R.T. 0.011 min
Lab File: BN038113.D
Acq: 28 Oct 2025 14:13

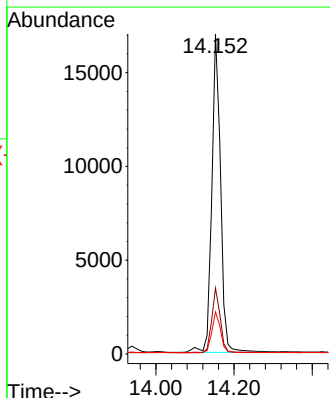
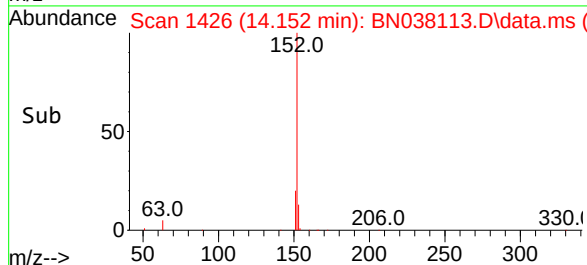
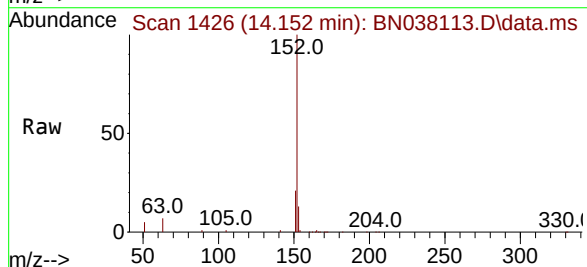
Instrument :
BNA_N
ClientSampleId :
SSTDICCC0.4

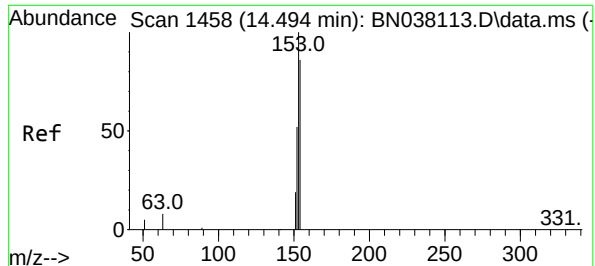
Tgt Ion:172 Resp: 24443
Ion Ratio Lower Upper
172 100
171 34.7 27.8 41.6
170 22.6 18.1 27.1



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

Tgt Ion:152 Resp: 26507
Ion Ratio Lower Upper
152 100
151 19.8 15.8 23.8
153 12.7 10.2 15.2

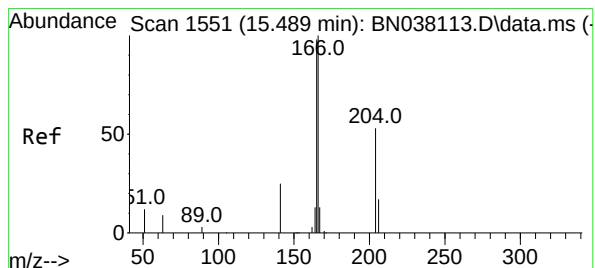
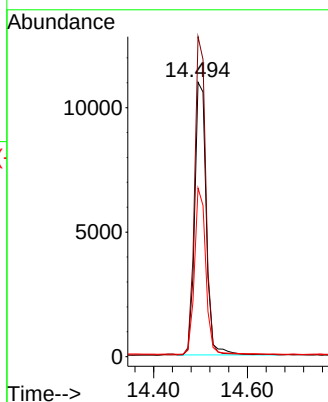
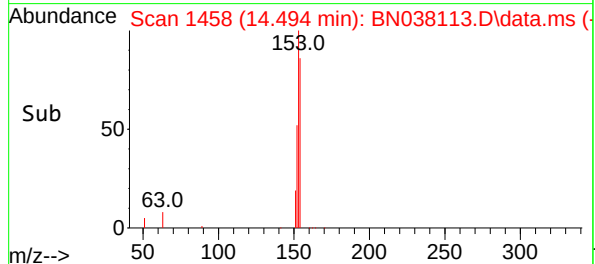
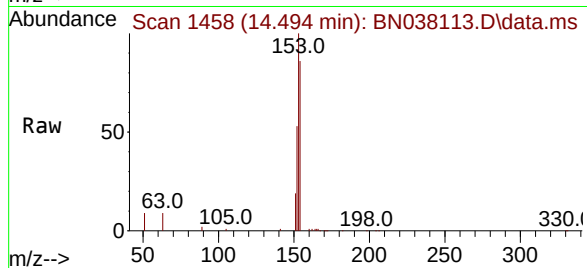




#17
Acenaphthene
Concen: 0.382 ng
RT: 14.494 min Scan# 1458
Delta R.T. -0.000 min
Lab File: BN038113.D
Acq: 28 Oct 2025 14:13

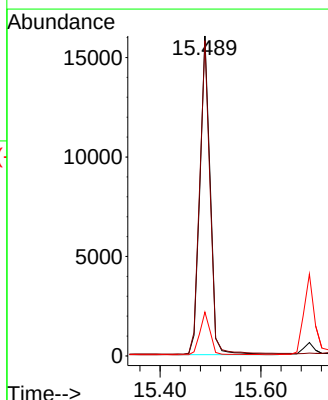
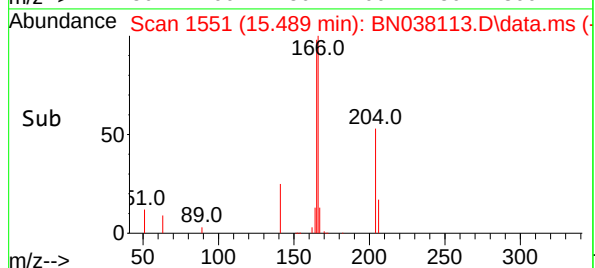
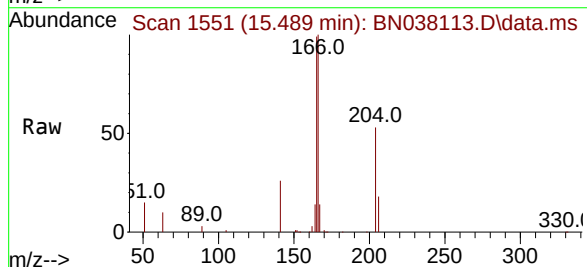
Instrument :
BNA_N
ClientSampleId :
SSTDICCC0.4

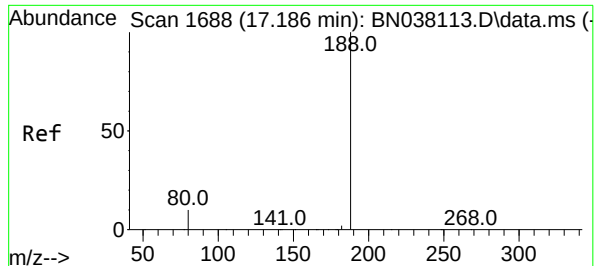
Tgt Ion:154 Resp: 18774
Ion Ratio Lower Upper
154 100
153 112.5 90.0 135.0
152 59.1 47.3 70.9



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

Tgt Ion:166 Resp: 24733
Ion Ratio Lower Upper
166 100
165 98.7 79.0 118.4
167 13.4 10.7 16.1

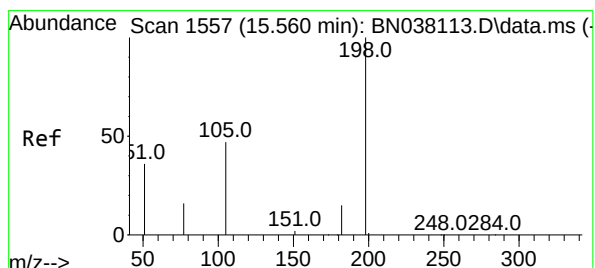
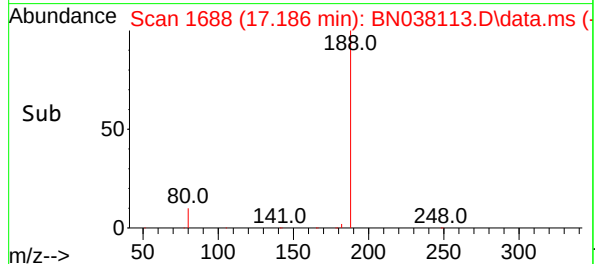
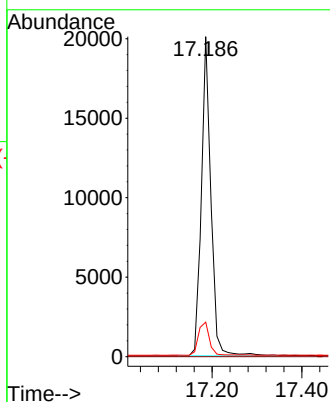
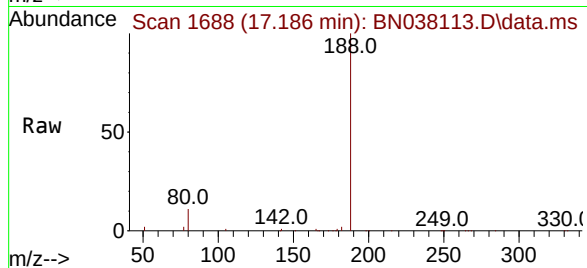




#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.186 min Scan# 1688
Delta R.T. -0.000 min
Lab File: BN038113.D
Acq: 28 Oct 2025 14:13

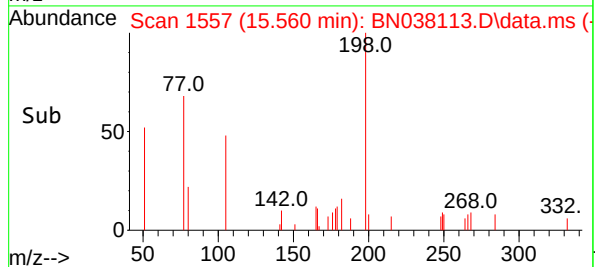
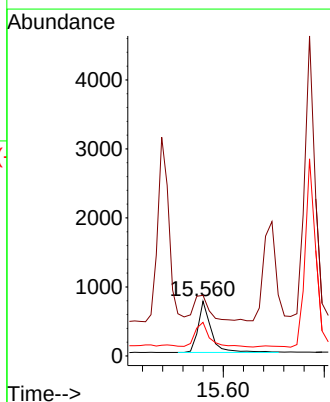
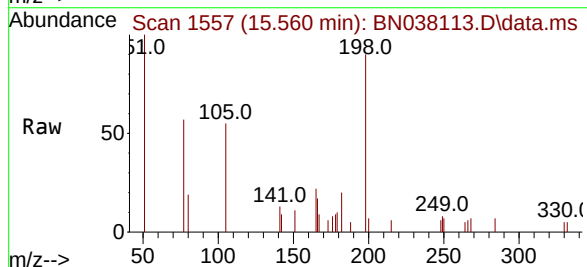
Instrument :
BNA_N
ClientSampleId :
SSTDICCC0.4

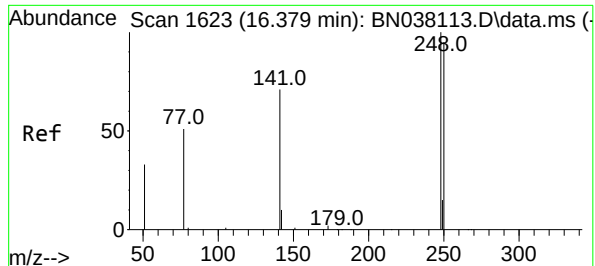
Tgt Ion:188 Resp: 29547
Ion Ratio Lower Upper
188 100
94 0.0 0.0 0.0
80 10.8 8.6 13.0



#20
4,6-Dinitro-2-methylphenol
Concen: 0.375 ng
RT: 15.560 min Scan# 1557
Delta R.T. -0.000 min
Lab File: BN038113.D
Acq: 28 Oct 2025 14:13

Tgt Ion:198 Resp: 1329
Ion Ratio Lower Upper
198 100
51 111.1 88.9 133.3
105 61.5 49.2 73.8

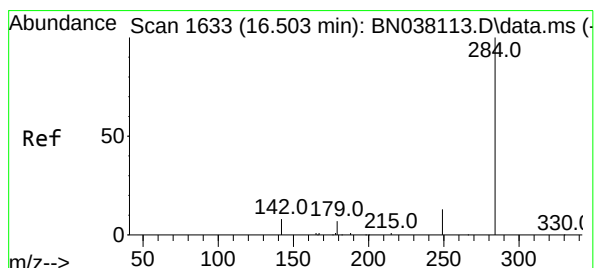
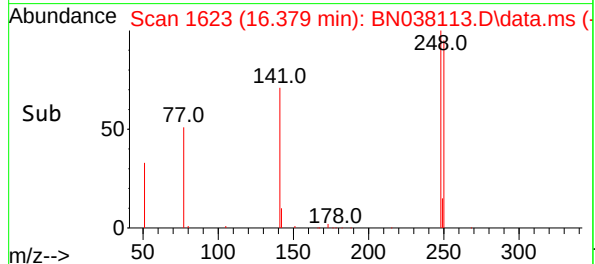
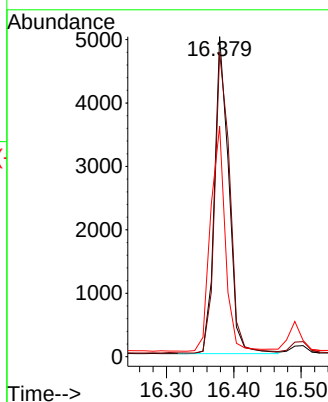
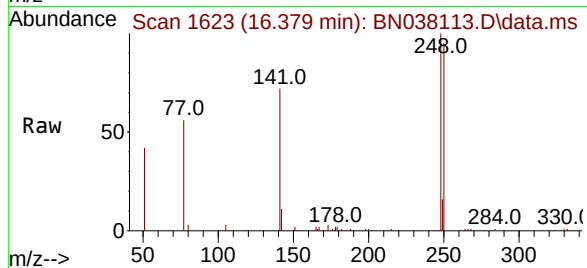




#21
4-Bromophenyl-phenylether
Concen: 0.381 ng
RT: 16.379 min Scan# 1623
Delta R.T. -0.000 min
Lab File: BN038113.D
Acq: 28 Oct 2025 14:13

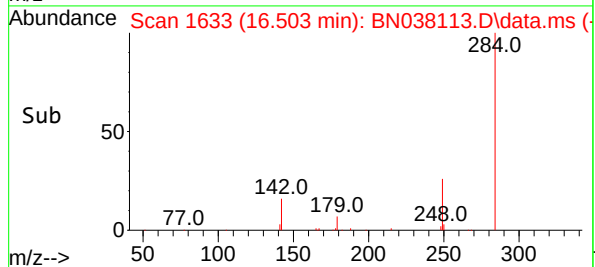
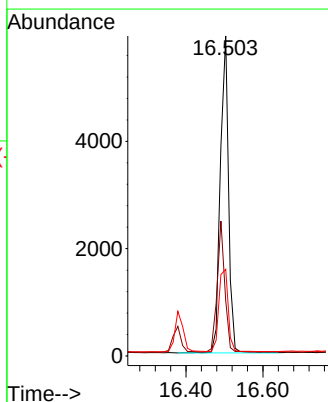
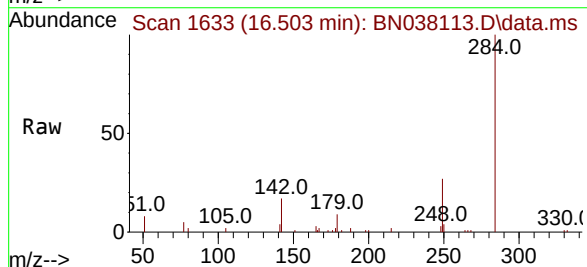
Instrument :
BNA_N
ClientSampleId :
SSTDICCC0.4

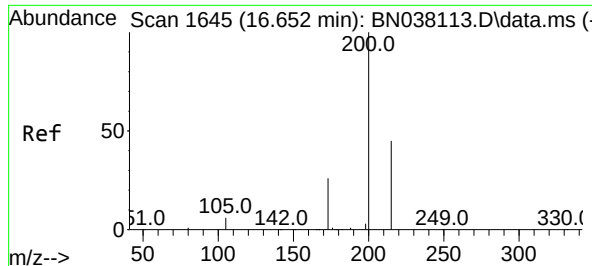
Tgt Ion	Ratio	Lower	Upper
248	100		
250	95.2	76.2	114.2
141	72.0	57.6	86.4



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

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

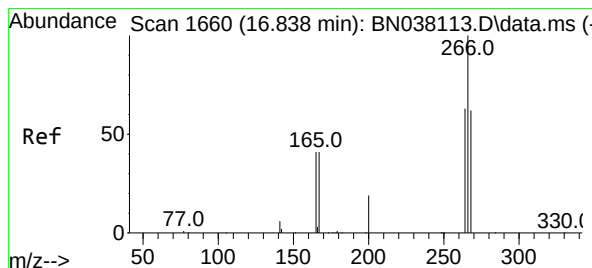
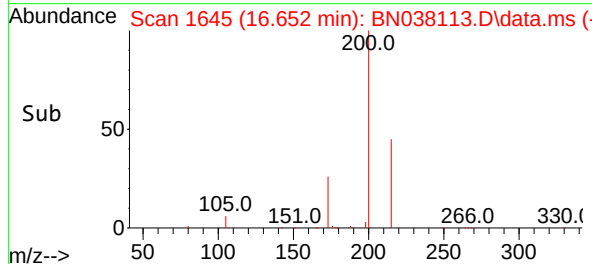
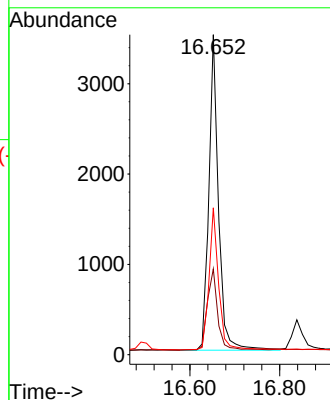
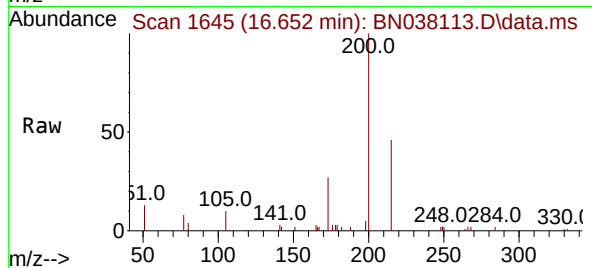




#23
Atrazine
Concen: 0.365 ng
RT: 16.652 min Scan# 1645
Delta R.T. -0.000 min
Lab File: BN038113.D
Acq: 28 Oct 2025 14:13

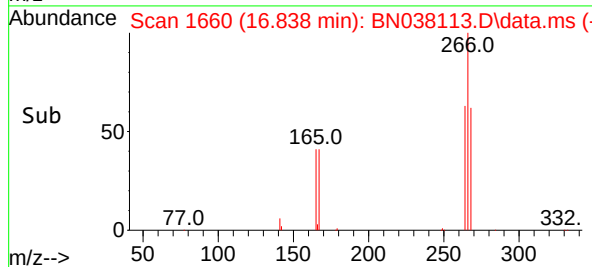
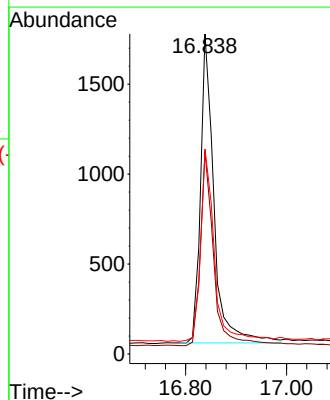
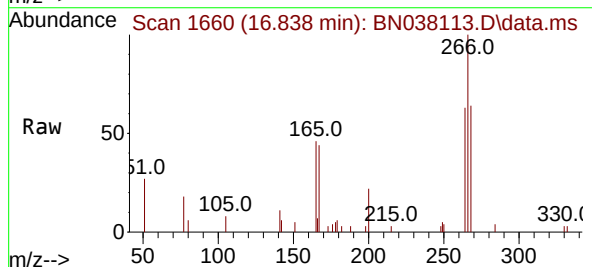
Instrument :
BNA_N
ClientSampleId :
SSTDICCC0.4

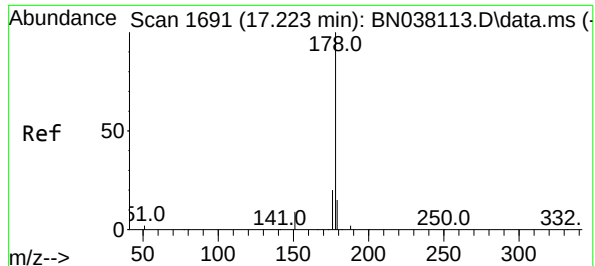
Tgt Ion	Ratio	Lower	Upper
200	100		
173	26.8	21.4	32.2
215	45.9	36.7	55.1



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

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

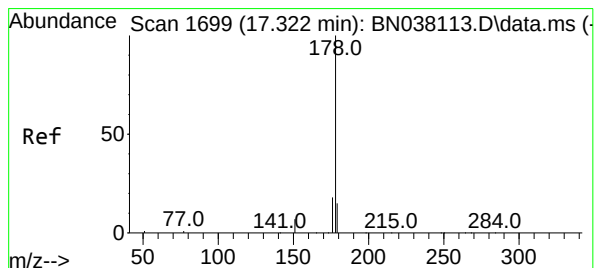
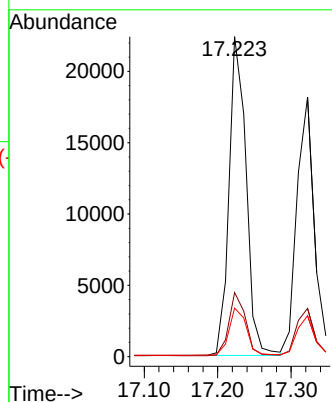
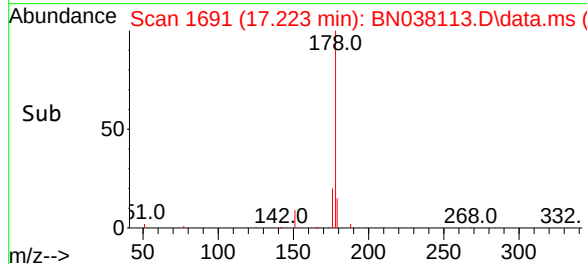
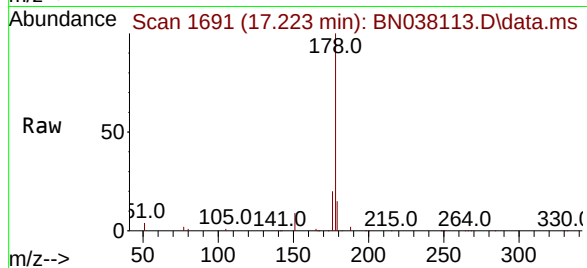




#25
Phenanthrene
Concen: 0.385 ng
RT: 17.223 min Scan# 1691
Delta R.T. -0.000 min
Lab File: BN038113.D
Acq: 28 Oct 2025 14:13

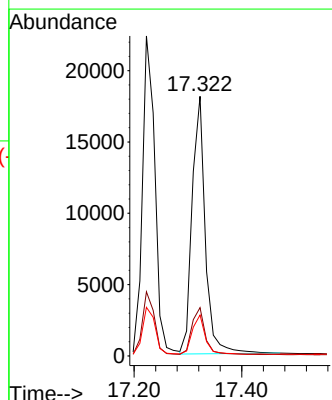
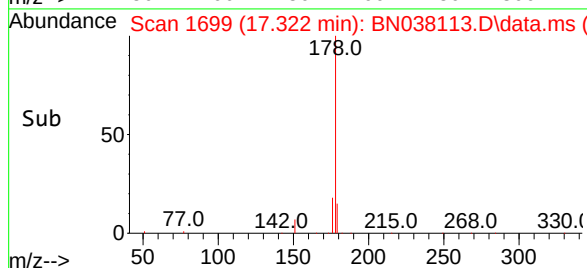
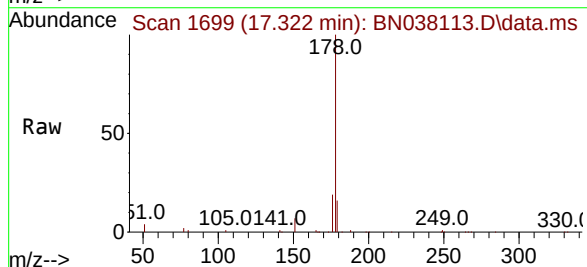
Instrument :
BNA_N
ClientSampleId :
SSTDICCC0.4

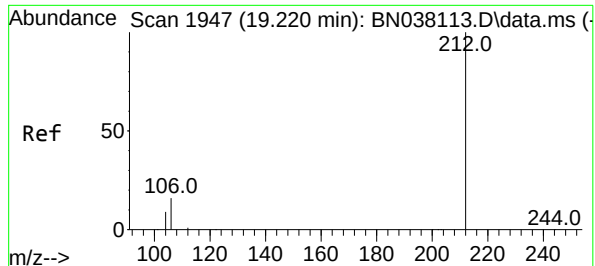
Tgt Ion:178 Resp: 36093
Ion Ratio Lower Upper
178 100
176 19.4 15.5 23.3
179 15.3 12.2 18.4



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

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





#27

Fluoranthene-d10

Concen: 0.379 ng

RT: 19.220 min Scan# 1947

Delta R.T. -0.000 min

Lab File: BN038113.D

Acq: 28 Oct 2025 14:13

Instrument :

BNA_N

ClientSampleId :

SSTDICCC0.4

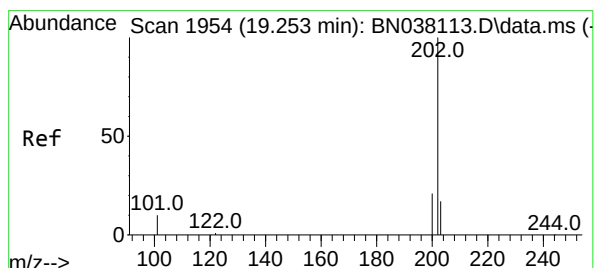
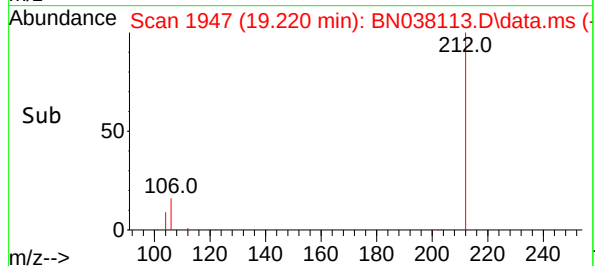
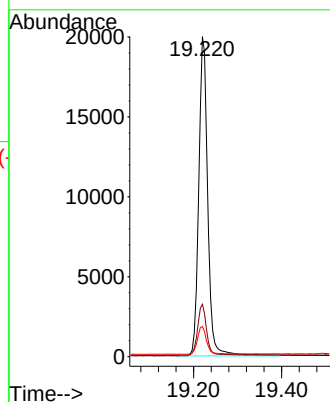
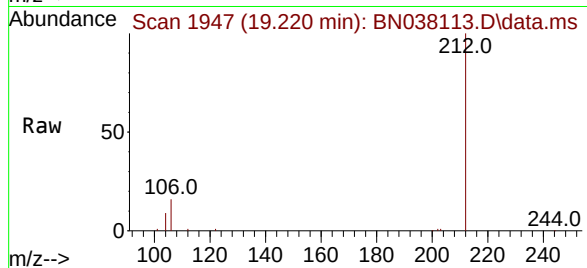
Tgt Ion:212 Resp: 28227

Ion Ratio Lower Upper

212 100

106 15.8 12.6 19.0

104 8.9 7.1 10.7



#28

Fluoranthene

Concen: 0.378 ng

RT: 19.253 min Scan# 1954

Delta R.T. -0.000 min

Lab File: BN038113.D

Acq: 28 Oct 2025 14:13

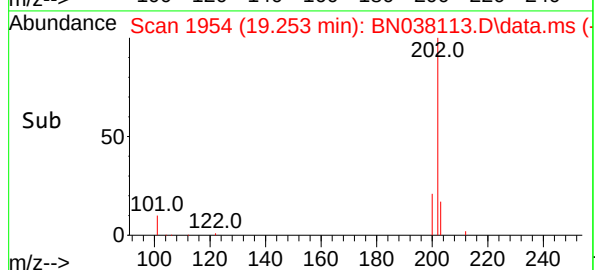
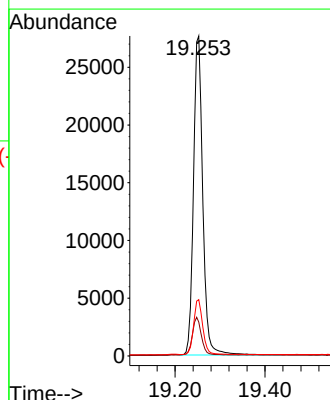
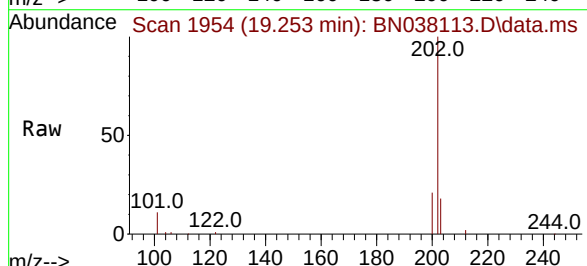
Tgt Ion:202 Resp: 39664

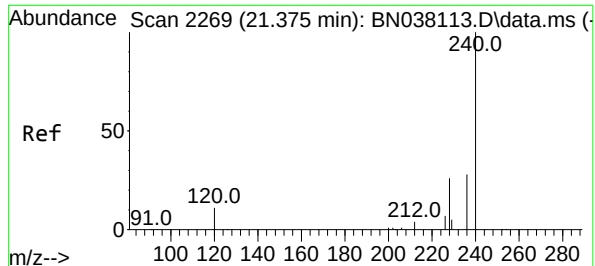
Ion Ratio Lower Upper

202 100

101 11.8 9.4 14.2

203 16.8 13.4 20.2





#29

Chrysene-d12

Concen: 0.400 ng

RT: 21.375 min Scan# 21

Delta R.T. -0.000 min

Lab File: BN038113.D

Acq: 28 Oct 2025 14:13

Instrument :

BNA_N

ClientSampleId :

SSTDICCC0.4

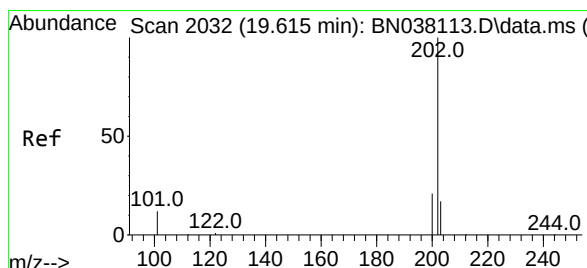
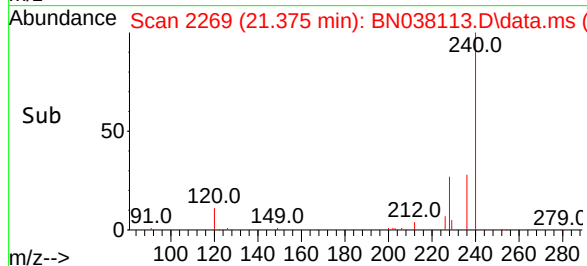
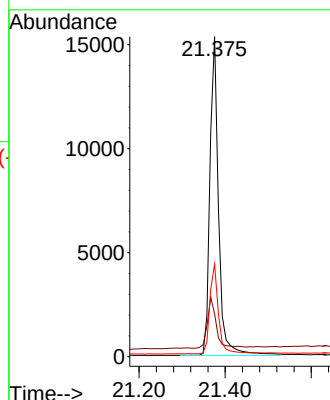
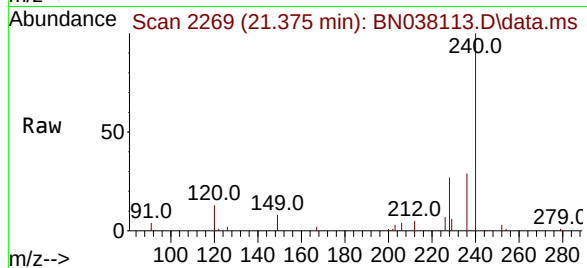
Tgt Ion:240 Resp: 21529

Ion Ratio Lower Upper

240 100

120 13.4 10.7 16.1

236 28.9 23.1 34.7



#30

Pyrene

Concen: 0.408 ng

RT: 19.615 min Scan# 2032

Delta R.T. 0.005 min

Lab File: BN038113.D

Acq: 28 Oct 2025 14:13

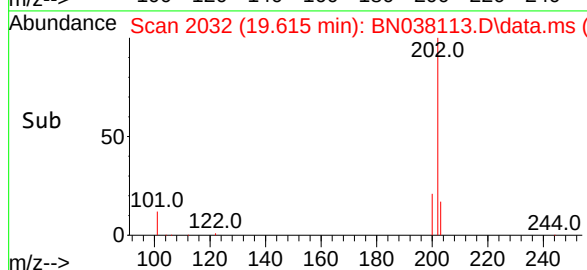
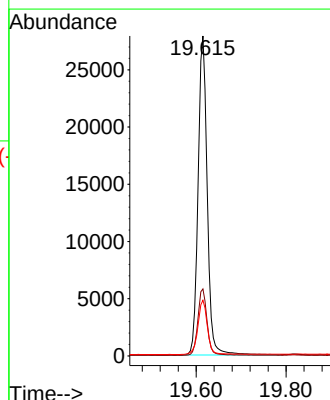
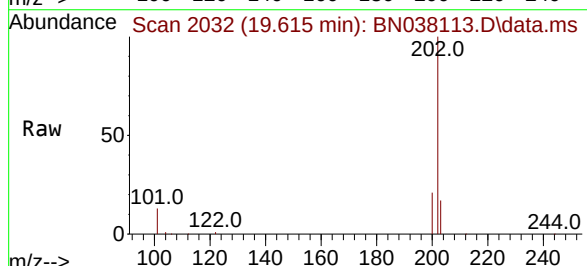
Tgt Ion:202 Resp: 39644

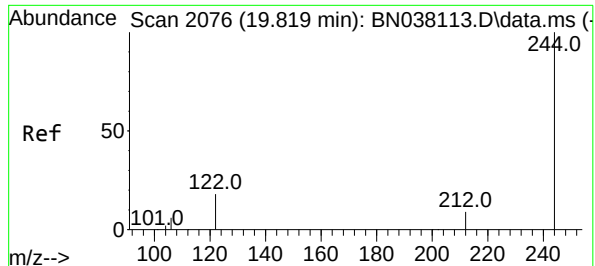
Ion Ratio Lower Upper

202 100

200 20.9 16.7 25.1

203 17.7 14.2 21.2

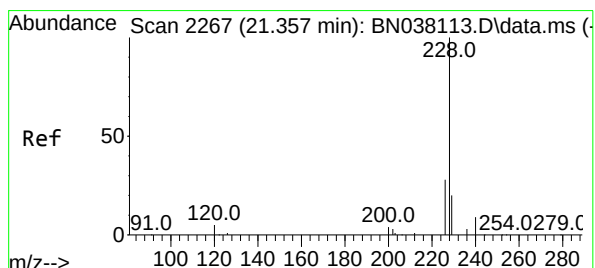
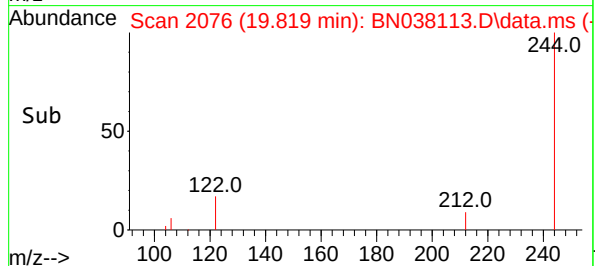
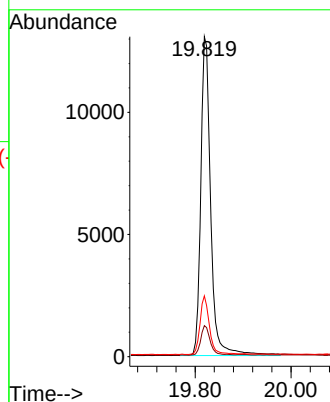
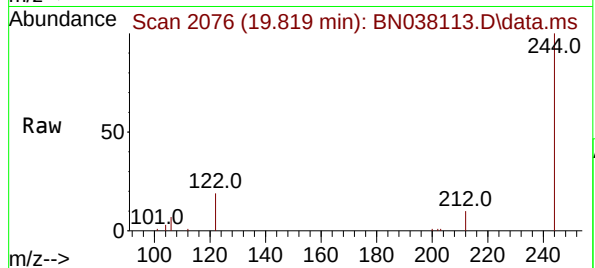




#31
Terphenyl-d14
Concen: 0.401 ng
RT: 19.819 min Scan# 2076
Delta R.T. -0.000 min
Lab File: BN038113.D
Acq: 28 Oct 2025 14:13

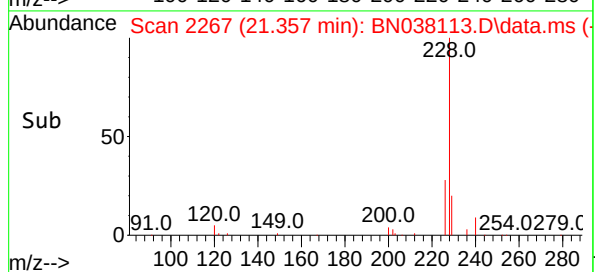
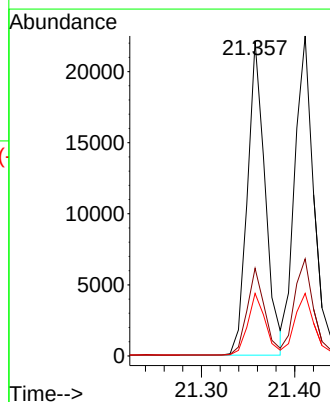
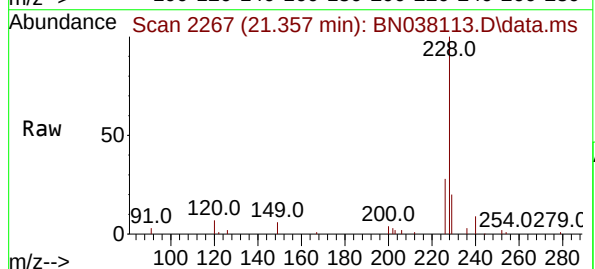
Instrument :
BNA_N
ClientSampleId :
SSTDICCC0.4

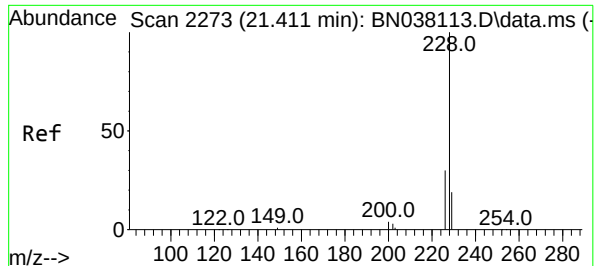
Tgt Ion:244 Resp: 18767
Ion Ratio Lower Upper
244 100
212 9.7 7.8 11.6
122 19.0 15.2 22.8



#32
Benzo(a)anthracene
Concen: 0.381 ng
RT: 21.357 min Scan# 2267
Delta R.T. -0.000 min
Lab File: BN038113.D
Acq: 28 Oct 2025 14:13

Tgt Ion:228 Resp: 29230
Ion Ratio Lower Upper
228 100
226 27.8 22.2 33.4
229 19.8 15.8 23.8





#33

Chrysene

Concen: 0.398 ng

RT: 21.411 min Scan# 21

Delta R.T. -0.000 min

Lab File: BN038113.D

Acq: 28 Oct 2025 14:13

Instrument :

BNA_N

ClientSampleId :

SSTDICCC0.4

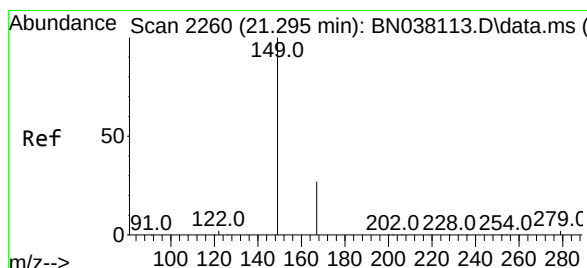
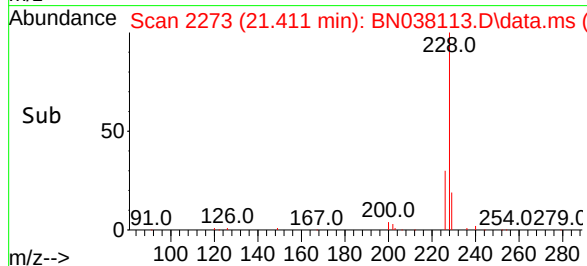
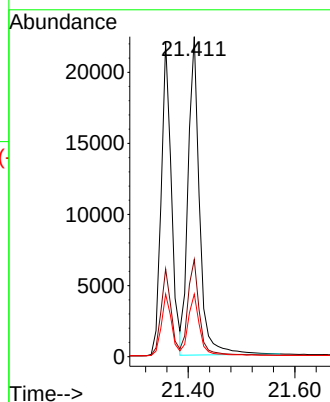
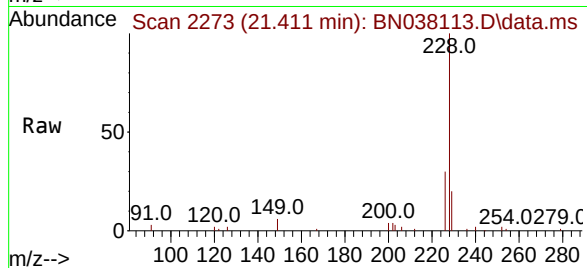
Tgt Ion:228 Resp: 33214

Ion Ratio Lower Upper

228 100

226 30.4 24.3 36.5

229 19.6 15.7 23.5



#34

Bis(2-ethylhexyl)phthalate

Concen: 0.384 ng

RT: 21.295 min Scan# 2260

Delta R.T. -0.000 min

Lab File: BN038113.D

Acq: 28 Oct 2025 14:13

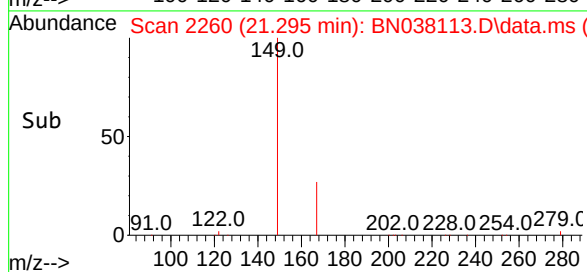
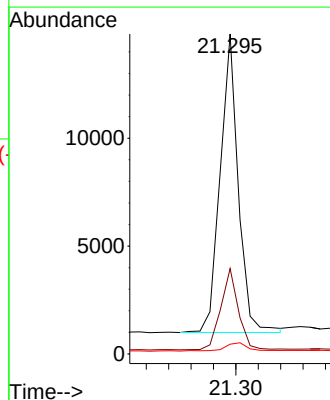
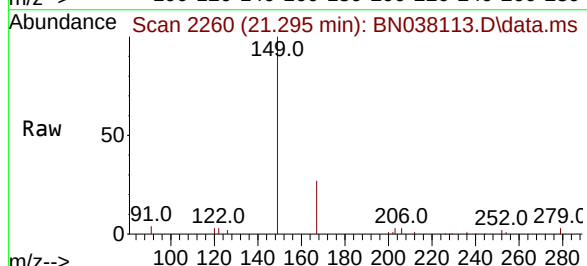
Tgt Ion:149 Resp: 15540

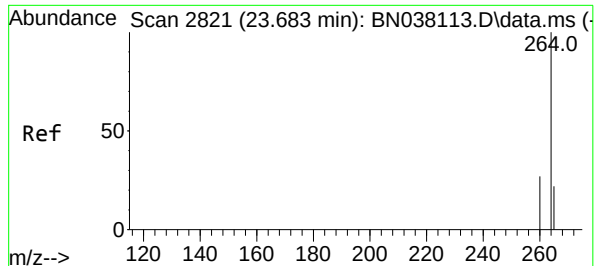
Ion Ratio Lower Upper

149 100

167 26.4 21.1 31.7

279 3.6 2.9 4.3





#35

Perylene-d12

Concen: 0.400 ng

RT: 23.683 min Scan# 21

Delta R.T. 0.003 min

Lab File: BN038113.D

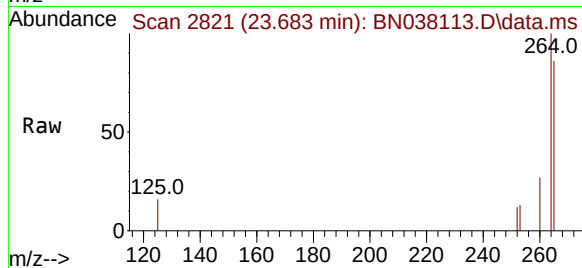
Acq: 28 Oct 2025 14:13

Instrument :

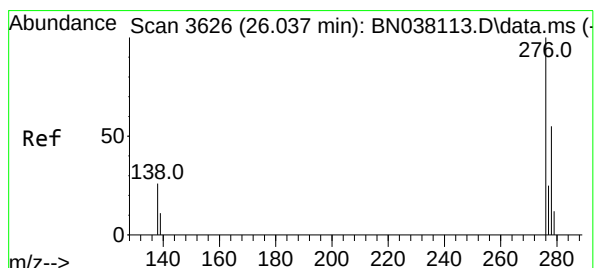
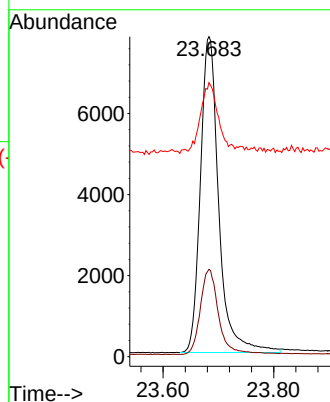
BNA_N

ClientSampleId :

SSTDICCC0.4



Tgt Ion:	264	Resp:	17966
Ion Ratio	Lower	Upper	
264	100		
260	27.3	21.8	32.8
265	85.7	68.6	102.8



#36

Indeno(1,2,3-cd)pyrene

Concen: 0.390 ng

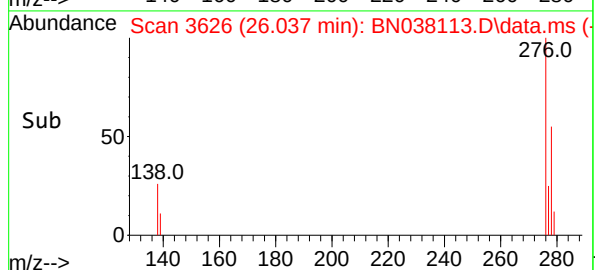
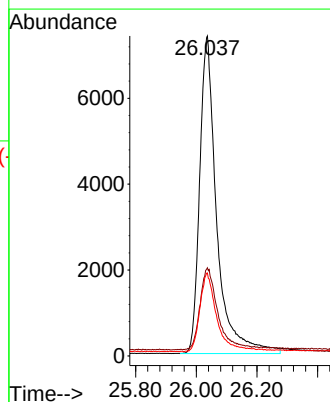
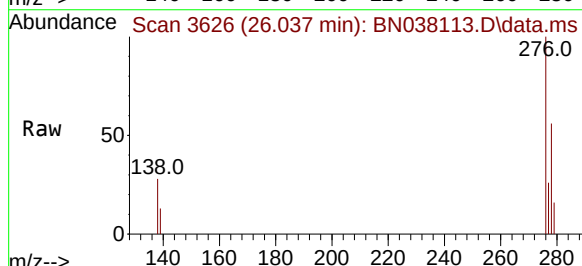
RT: 26.037 min Scan# 3626

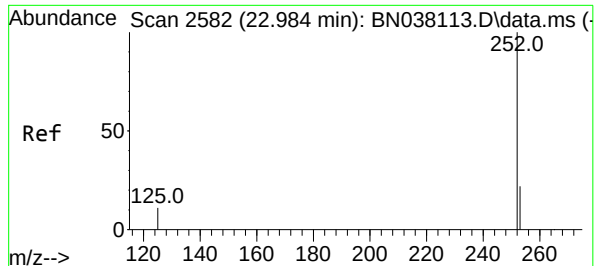
Delta R.T. 0.003 min

Lab File: BN038113.D

Acq: 28 Oct 2025 14:13

Tgt Ion:	276	Resp:	28812
Ion Ratio	Lower	Upper	
276	100		
138	26.7	21.4	32.0
277	24.0	19.2	28.8





#37

Benzo(b)fluoranthene

Concen: 0.381 ng

RT: 22.984 min Scan# 2582

Delta R.T. 0.003 min

Lab File: BN038113.D

Acq: 28 Oct 2025 14:13

Instrument :

BNA_N

ClientSampleId :

SSTDICCC0.4

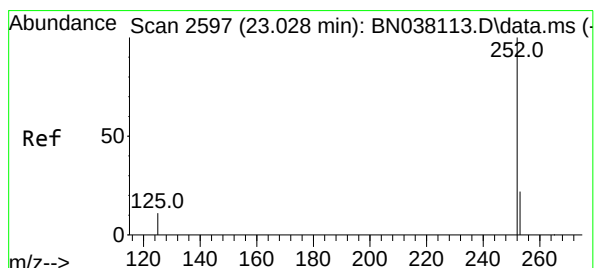
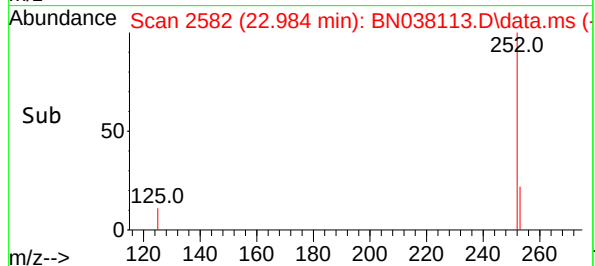
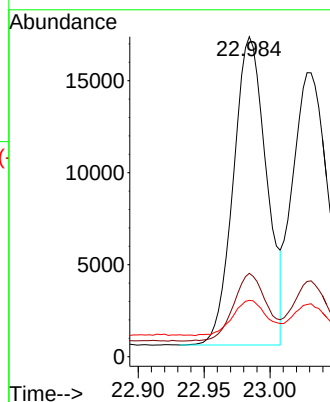
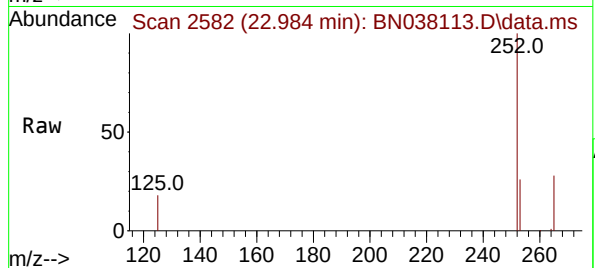
Tgt Ion:252 Resp: 29283

Ion Ratio Lower Upper

252 100

253 26.1 20.9 31.3

125 17.6 14.1 21.1



#38

Benzo(k)fluoranthene

Concen: 0.376 ng

RT: 23.028 min Scan# 2597

Delta R.T. -0.000 min

Lab File: BN038113.D

Acq: 28 Oct 2025 14:13

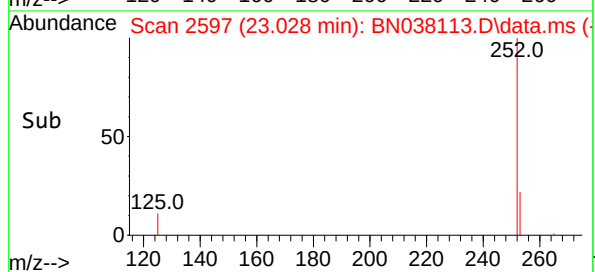
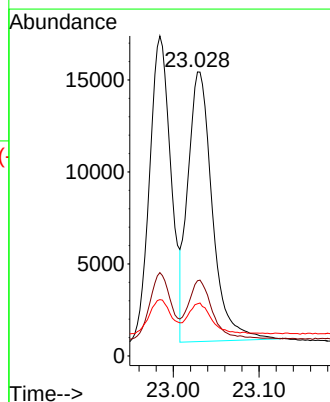
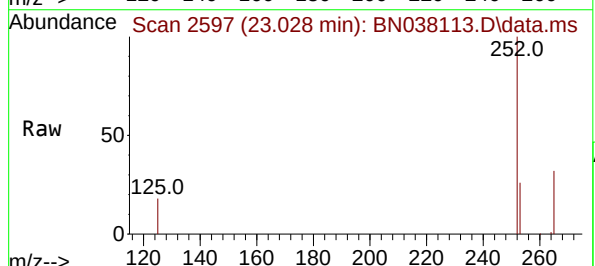
Tgt Ion:252 Resp: 29088

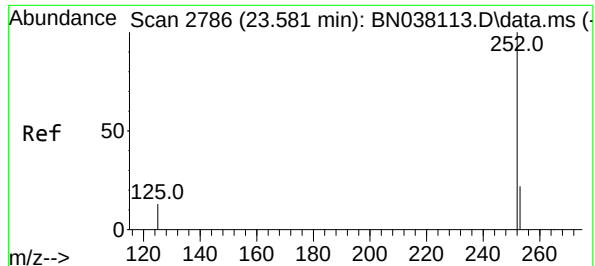
Ion Ratio Lower Upper

252 100

253 26.5 21.2 31.8

125 18.3 14.6 22.0





#39

Benzo(a)pyrene

Concen: 0.384 ng

RT: 23.581 min Scan# 21

Delta R.T. 0.003 min

Lab File: BN038113.D

Acq: 28 Oct 2025 14:13

Instrument :

BNA_N

ClientSampleId :

SSTDICCC0.4

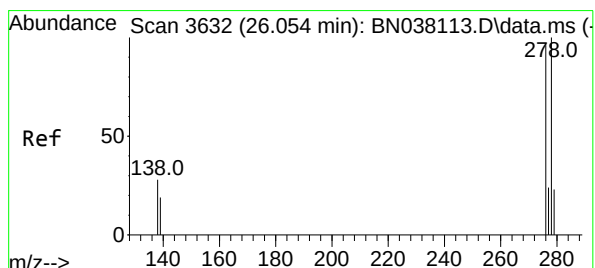
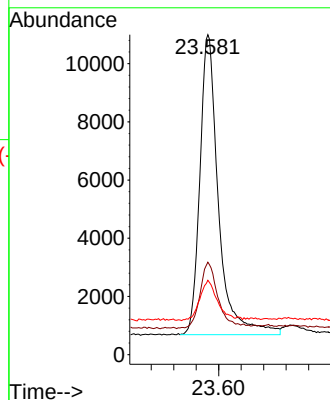
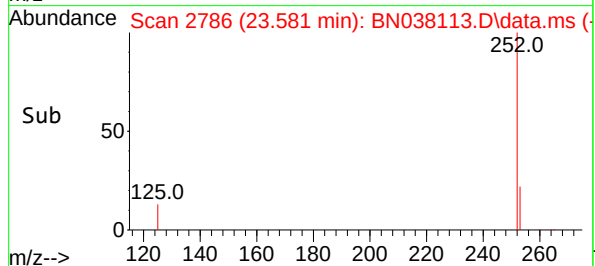
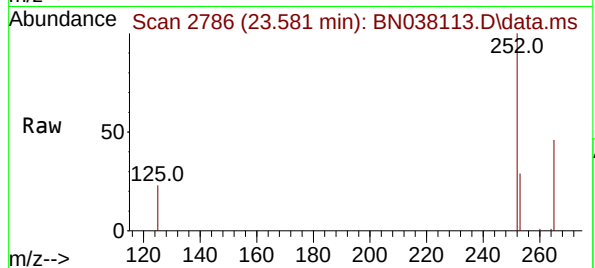
Tgt Ion:252 Resp: 23635

Ion Ratio Lower Upper

252 100

253 28.9 23.1 34.7

125 23.3 18.6 28.0



#40

Dibenzo(a,h)anthracene

Concen: 0.378 ng

RT: 26.054 min Scan# 3632

Delta R.T. 0.006 min

Lab File: BN038113.D

Acq: 28 Oct 2025 14:13

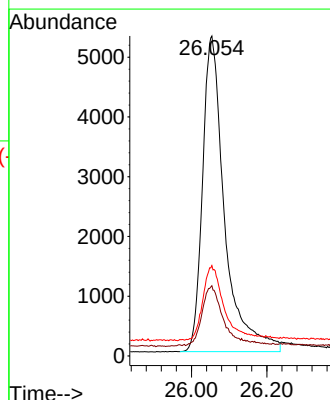
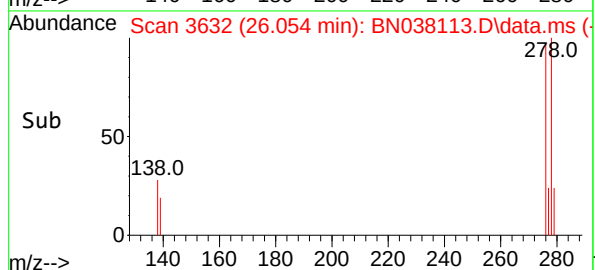
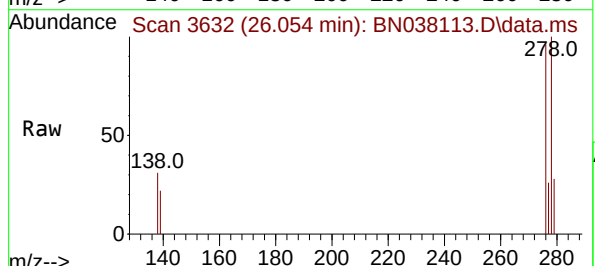
Tgt Ion:278 Resp: 21487

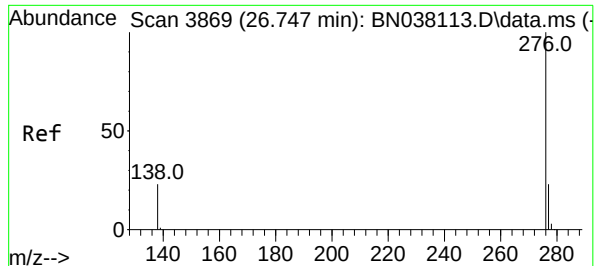
Ion Ratio Lower Upper

278 100

139 22.0 17.6 26.4

279 28.2 22.6 33.8





#41

Benzo(g,h,i)perylene

Concen: 0.395 ng

RT: 26.747 min Scan# 3869

Delta R.T. -0.003 min

Lab File: BN038113.D

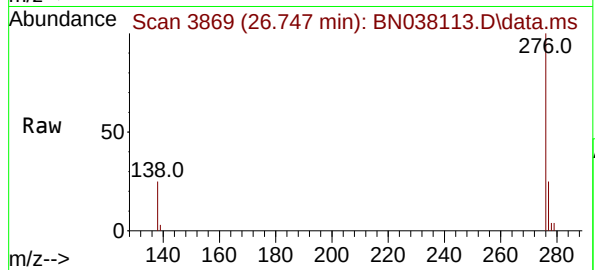
Acq: 28 Oct 2025 14:13

Instrument :

BNA_N

ClientSampleId :

SSTDICCC0.4



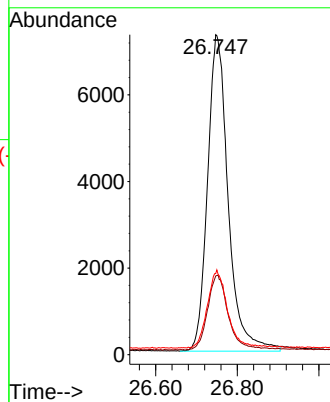
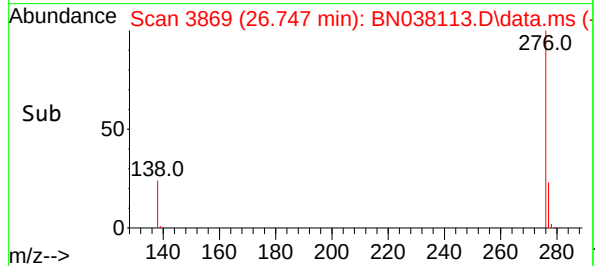
Tgt Ion:276 Resp: 25622

Ion Ratio Lower Upper

276 100

277 24.6 19.7 29.5

138 25.3 20.2 30.4



Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN102825\
 Data File : BN038114.D
 Acq On : 28 Oct 2025 14:49
 Operator : RC/JU
 Sample : SSTDICC0.8
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 SSTDICC0.8

Manual Integrations
 APPROVED

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

Quant Time: Oct 28 17:31:46 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN102825.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Oct 28 17:15:13 2025
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.775	152	9110	0.400	ng	0.00
7) Naphthalene-d8	10.584	136	27131	0.400	ng	0.01
13) Acenaphthene-d10	14.441	164	14920	0.400	ng	0.01
19) Phenanthrene-d10	17.186	188	28506	0.400	ng	0.00
29) Chrysene-d12	21.375	240	23535	0.400	ng	0.00
35) Perylene-d12	23.683	264	20307	0.400	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.348	112	16552	0.771	ng	0.00
5) Phenol-d6	6.937	99	19989	0.765	ng	0.00
8) Nitrobenzene-d5	8.929	82	16332	0.746	ng	0.00
11) 2-Methylnaphthalene-d10	12.177	152	29806	0.769	ng	0.00
14) 2,4,6-Tribromophenol	15.932	330	4525	0.736	ng	0.00
15) 2-Fluorobiphenyl	13.062	172	46843	0.784	ng	0.01
27) Fluoranthene-d10	19.220	212	55912	0.778	ng	0.00
31) Terphenyl-d14	19.819	244	37975	0.743	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.254	88	7707	0.819	ng	99
3) n-Nitrosodimethylamine	3.564	42	9598	0.792	ng	# 100
6) bis(2-Chloroethyl)ether	7.197	93	20444	0.796	ng	99
9) Naphthalene	10.626	128	58627	0.784	ng	99
10) Hexachlorobutadiene	10.925	225	9875	0.783	ng	# 98
12) 2-Methylnaphthalene	12.248	142	38674	0.776	ng	98
16) Acenaphthylene	14.152	152	52624	0.779	ng	99
17) Acenaphthene	14.494	154	36845	0.779	ng	100
18) Fluorene	15.489	166	49204	0.794	ng	100
20) 4,6-Dinitro-2-methylph...	15.560	198	2898	0.689	ng	# 69
21) 4-Bromophenyl-phenylether	16.379	248	14571	0.780	ng	97
22) Hexachlorobenzene	16.503	284	16700	0.786	ng	99
23) Atrazine	16.652	200	10204	0.745	ng	99
24) Pentachlorophenol	16.838	266	6470	0.707	ng	99
25) Phenanthrene	17.223	178	70455	0.779	ng	100
26) Anthracene	17.322	178	60270	0.761	ng	100
28) Fluoranthene	19.253	202	79478	0.786	ng	100
30) Pyrene	19.615	202	78307	0.737	ng	100
32) Benzo(a)anthracene	21.357	228	64140	0.764	ng	100
33) Chrysene	21.411	228	71675	0.787	ng	100
34) Bis(2-ethylhexyl)phtha...	21.295	149	32963	0.745	ng	99
36) Indeno(1,2,3-cd)pyrene	26.039	276	65796	0.789	ng	99
37) Benzo(b)fluoranthene	22.984	252	69912m	0.805	ng	
38) Benzo(k)fluoranthene	23.031	252	67771	0.776	ng	# 93
39) Benzo(a)pyrene	23.578	252	53367	0.768	ng	# 90
40) Dibenzo(a,h)anthracene	26.054	278	50344	0.784	ng	95
41) Benzo(g,h,i)perylene	26.753	276	58155	0.793	ng	99

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

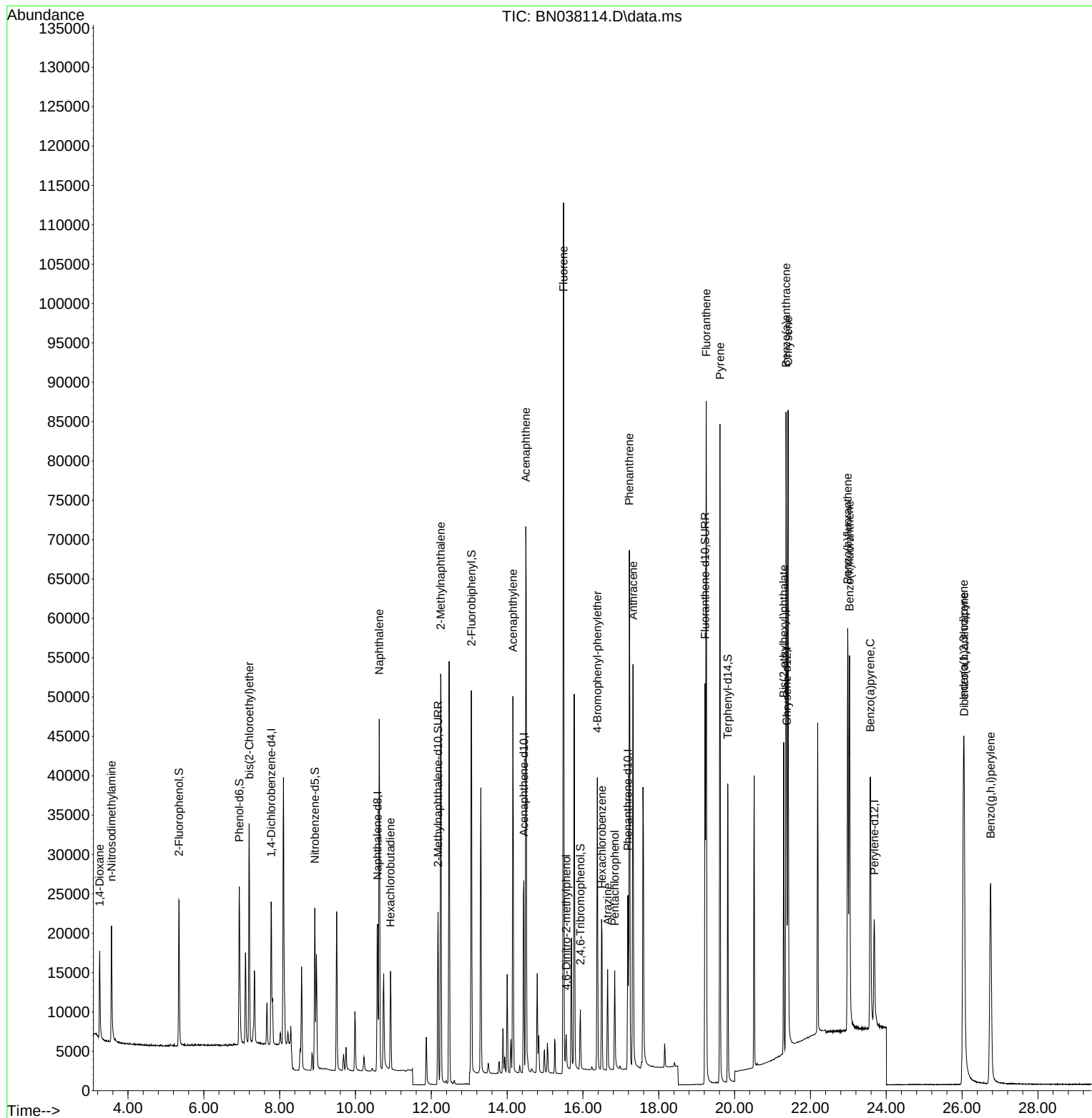
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Data File : BN038114.D
Acq On : 28 Oct 2025 14:49
Operator : RC/JU
Sample : SSTDICC0.8
Misc :
ALS Vial : 5 Sample Multiplier: 1

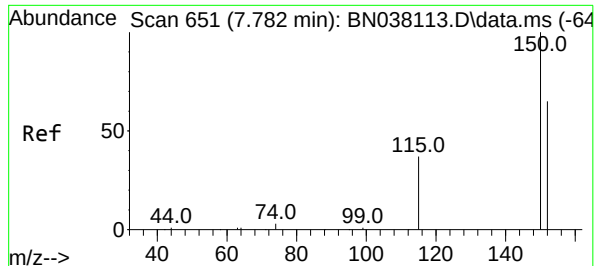
Instrument :
BNA_N
ClientSampleId :
SSTDICC0.8

Quant Time: Oct 28 17:31:46 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN102825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Oct 28 17:15:13 2025
Response via : Initial Calibration

Manual Integrations
APPROVED

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





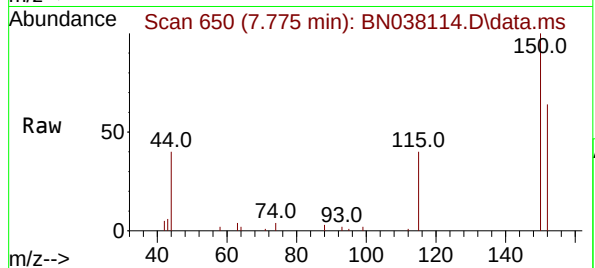
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.775 min Scan# 61
Delta R.T. -0.000 min
Lab File: BN038114.D
Acq: 28 Oct 2025 14:49

Instrument :

BNA_N

ClientSampleId :

SSTDICC0.8

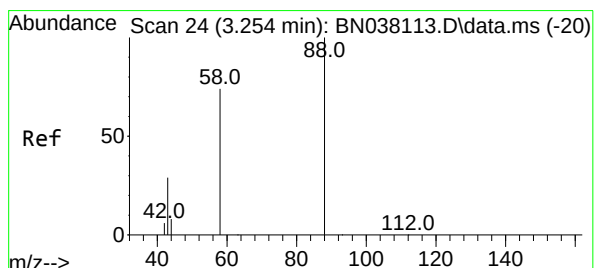
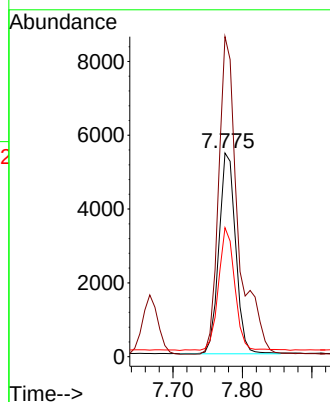
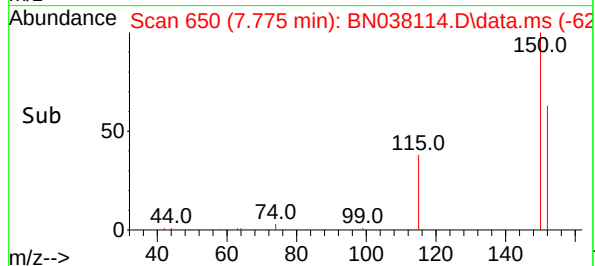


Tgt Ion:152 Resp: 9110
Ion Ratio Lower Upper
152 100
150 157.1 122.3 183.5
115 63.4 47.4 71.0

Manual Integrations

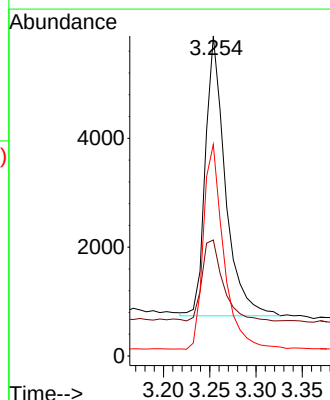
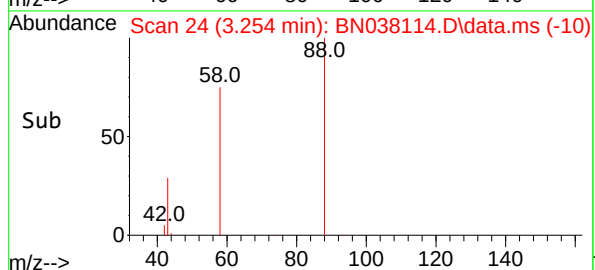
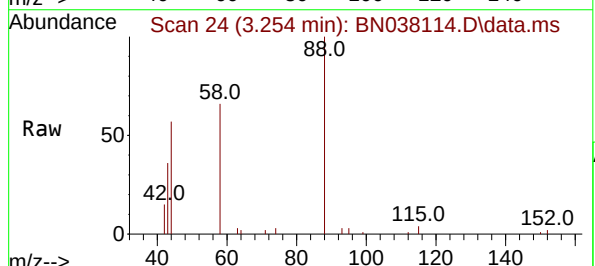
APPROVED

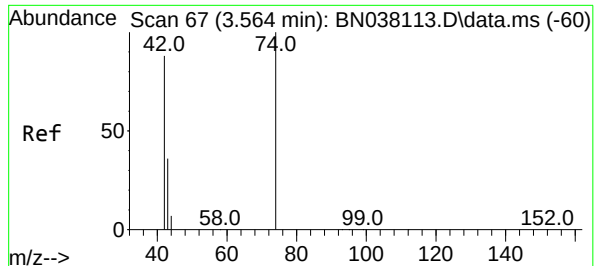
Reviewed By :Rahul Chavli 10/29/2025
Supervised By :mohammad ahmed 10/30/2025



#2
1,4-Dioxane
Concen: 0.819 ng
RT: 3.254 min Scan# 24
Delta R.T. -0.000 min
Lab File: BN038114.D
Acq: 28 Oct 2025 14:49

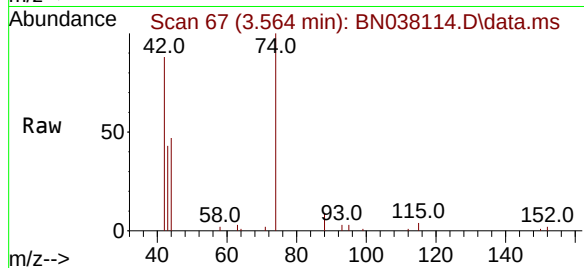
Tgt Ion: 88 Resp: 7707
Ion Ratio Lower Upper
88 100
43 30.6 24.3 36.5
58 74.3 60.4 90.6





#3
n-Nitrosodimethylamine
Concen: 0.792 ng
RT: 3.564 min Scan# 61
Delta R.T. 0.007 min
Lab File: BN038114.D
Acq: 28 Oct 2025 14:49

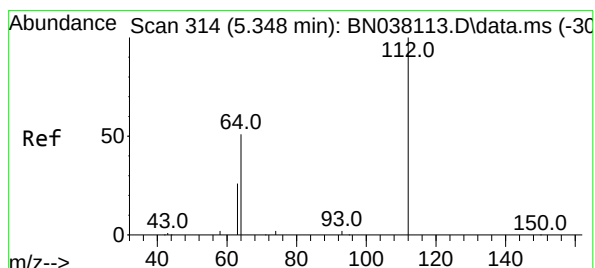
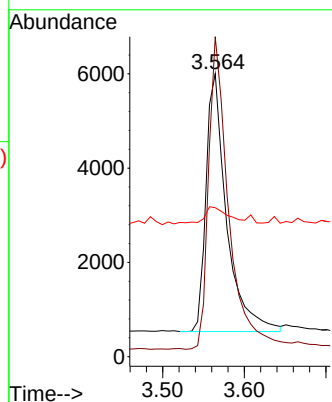
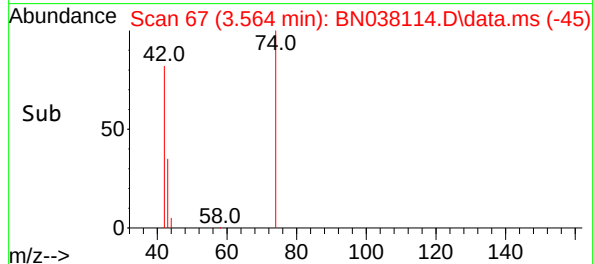
Instrument :
BNA_N
ClientSampleId :
SSTDICC0.8



Tgt Ion: 42 Resp: 9598
Ion Ratio Lower Upper
42 100
74 120.8 96.8 145.2
44 8.8 5.3 7.9

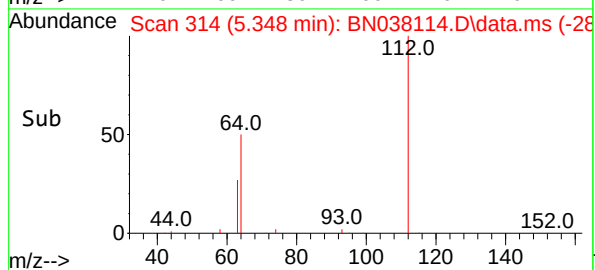
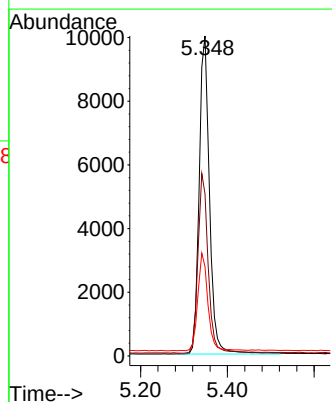
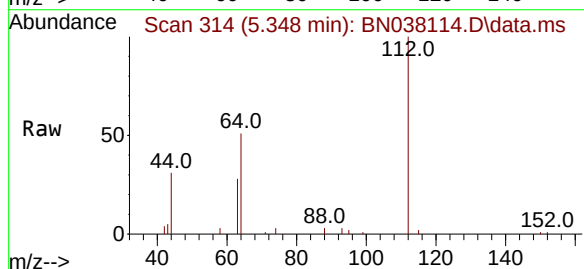
Manual Integrations
APPROVED

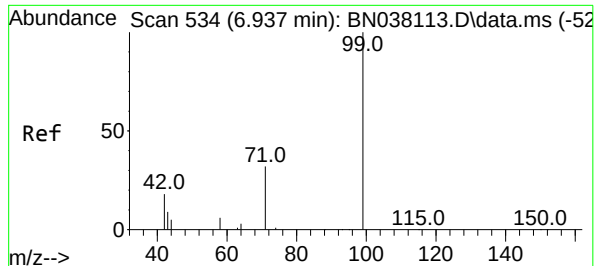
Reviewed By :Rahul Chavli 10/29/2025
Supervised By :mohammad ahmed 10/30/2025



#4
2-Fluorophenol
Concen: 0.771 ng
RT: 5.348 min Scan# 314
Delta R.T. -0.000 min
Lab File: BN038114.D
Acq: 28 Oct 2025 14:49

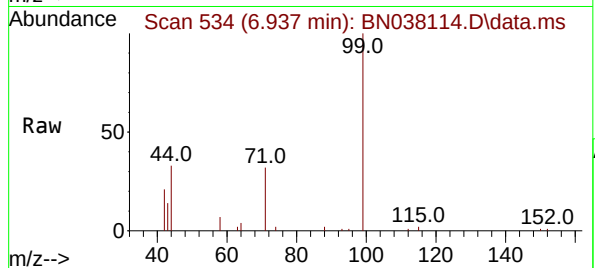
Tgt Ion:112 Resp: 16552
Ion Ratio Lower Upper
112 100
64 55.7 45.4 68.0
63 30.2 23.2 34.8





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

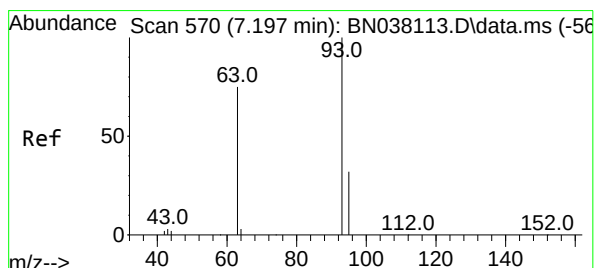
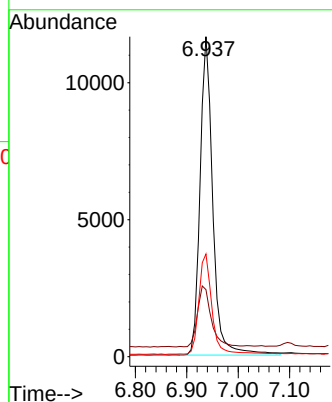
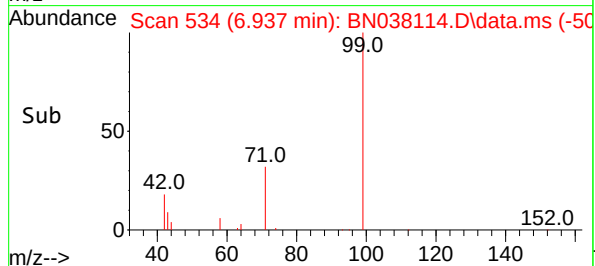
Instrument :
BNA_N
ClientSampleId :
SSTDICC0.8



Tgt Ion: 99 Resp: 19989
Ion Ratio Lower Upper
99 100
42 20.7 16.6 24.8
71 33.2 25.4 38.2

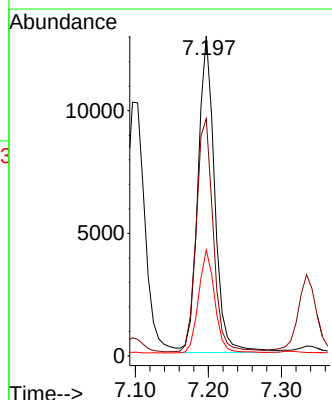
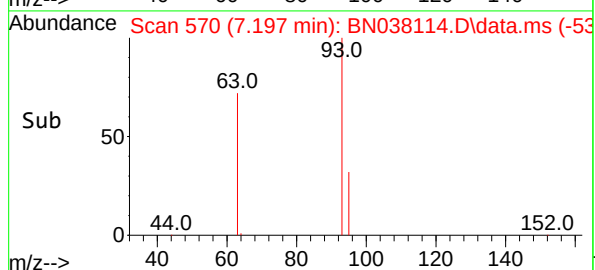
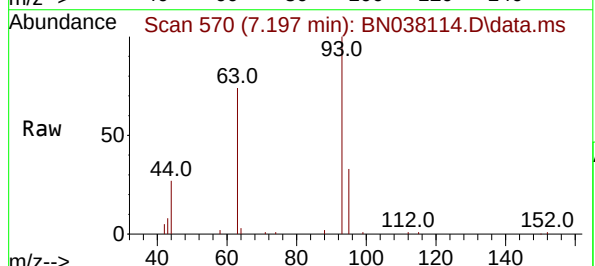
Manual Integrations
APPROVED

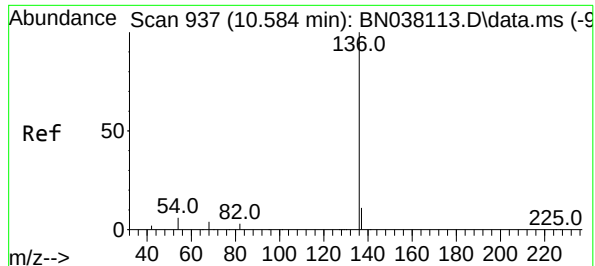
Reviewed By :Rahul Chavli 10/29/2025
Supervised By :mohammad ahmed 10/30/2025



#6
bis(2-Chloroethyl)ether
Concen: 0.796 ng
RT: 7.197 min Scan# 570
Delta R.T. -0.000 min
Lab File: BN038114.D
Acq: 28 Oct 2025 14:49

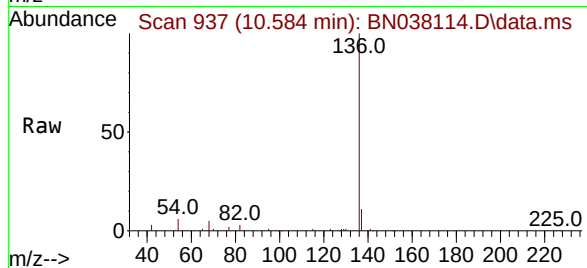
Tgt Ion: 93 Resp: 20444
Ion Ratio Lower Upper
93 100
63 75.0 59.3 88.9
95 31.6 25.2 37.8





#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.584 min Scan# 911
Delta R.T. 0.011 min
Lab File: BN038114.D
Acq: 28 Oct 2025 14:49

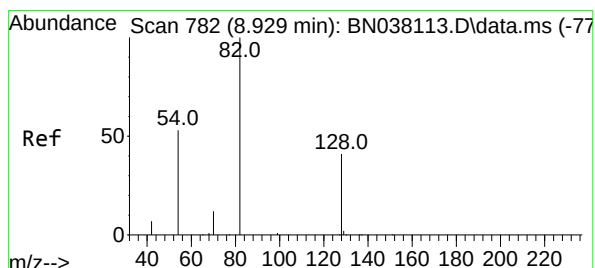
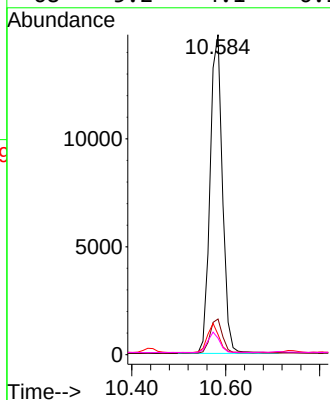
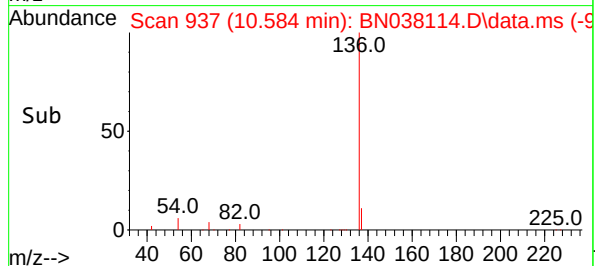
Instrument :
BNA_N
ClientSampleId :
SSTDICC0.8



Tgt Ion: 136 Resp: 2713
Ion Ratio Lower Upper
136 100
137 11.1 9.0 13.4
54 6.3 5.2 7.8
68 5.2 4.1 6.1

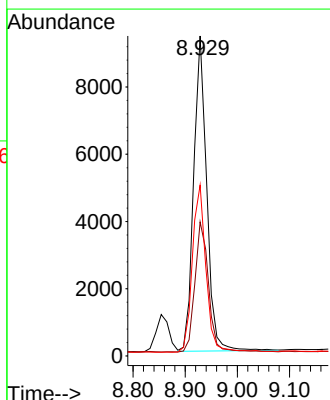
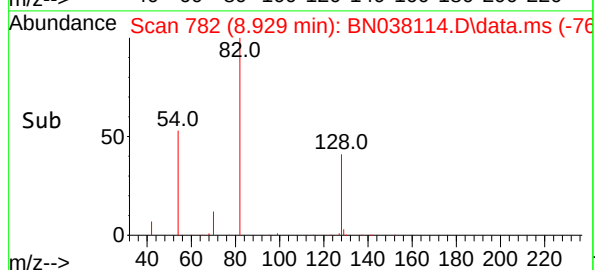
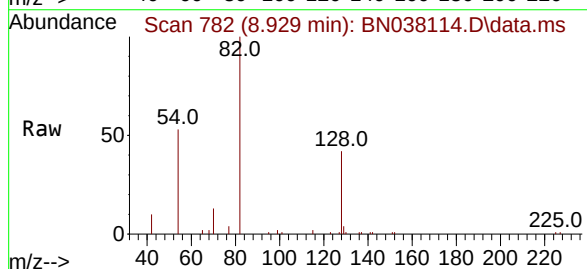
Manual Integrations
APPROVED

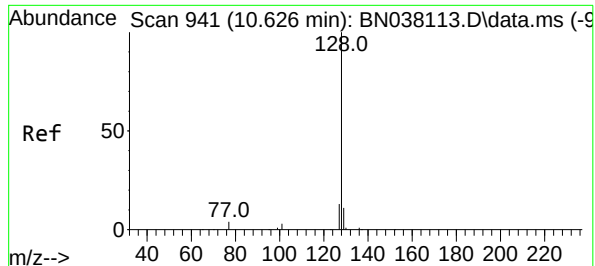
Reviewed By :Rahul Chavli 10/29/2025
Supervised By :mohammad ahmed 10/30/2025



#8
Nitrobenzene-d5
Concen: 0.746 ng
RT: 8.929 min Scan# 782
Delta R.T. -0.000 min
Lab File: BN038114.D
Acq: 28 Oct 2025 14:49

Tgt Ion: 82 Resp: 16332
Ion Ratio Lower Upper
82 100
128 41.9 34.1 51.1
54 53.4 43.5 65.3





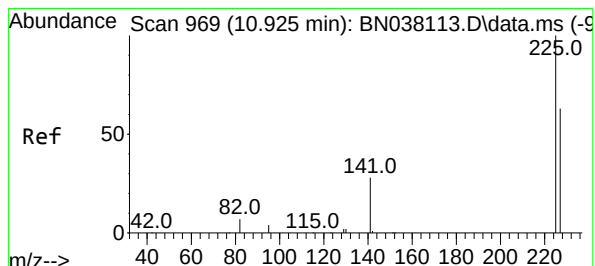
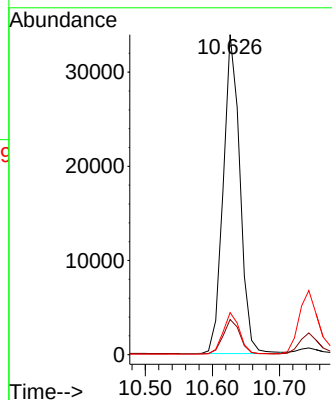
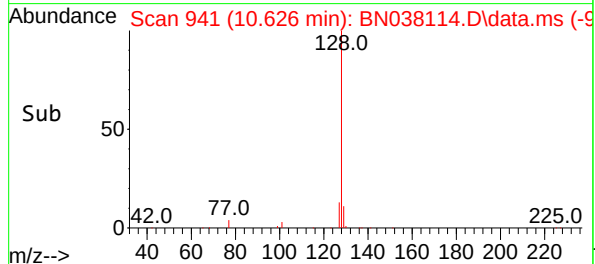
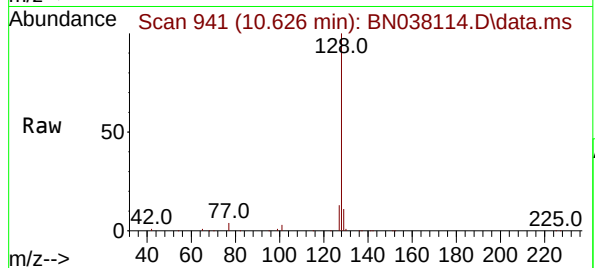
#9
Naphthalene
Concen: 0.784 ng
RT: 10.626 min Scan# 941
Delta R.T. -0.000 min
Lab File: BN038114.D
Acq: 28 Oct 2025 14:49

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.8

Tgt Ion:128 Resp: 5862
Ion Ratio Lower Upper
128 100
129 11.0 9.1 13.7
127 13.2 10.5 15.7

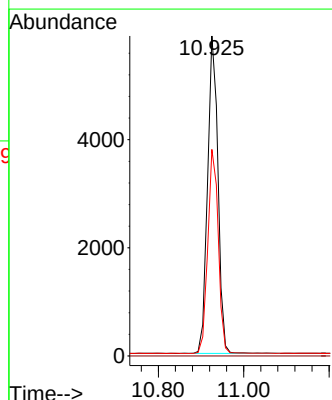
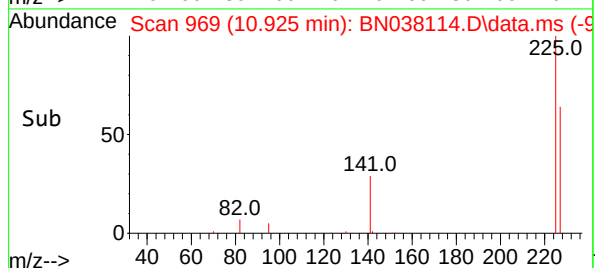
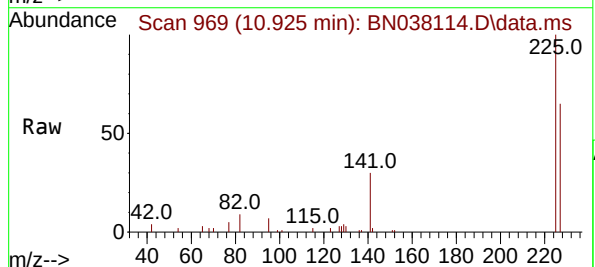
Manual Integrations
APPROVED

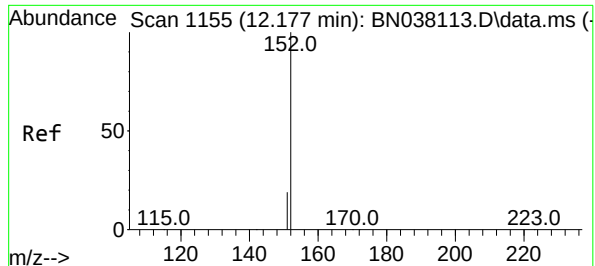
Reviewed By :Rahul Chavli 10/29/2025
Supervised By :mohammad ahmed 10/30/2025



#10
Hexachlorobutadiene
Concen: 0.783 ng
RT: 10.925 min Scan# 969
Delta R.T. -0.000 min
Lab File: BN038114.D
Acq: 28 Oct 2025 14:49

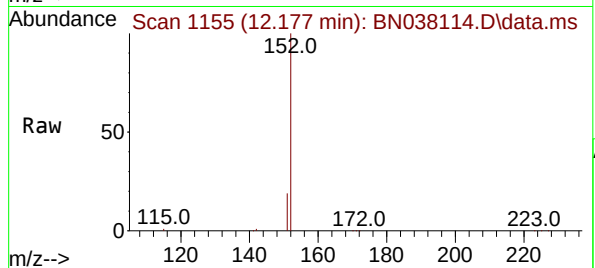
Tgt Ion:225 Resp: 9875
Ion Ratio Lower Upper
225 100
223 0.0 0.0 0.0
227 64.8 50.3 75.5





#11
2-Methylnaphthalene-d10
Concen: 0.769 ng
RT: 12.177 min Scan# 1155
Delta R.T. -0.000 min
Lab File: BN038114.D
Acq: 28 Oct 2025 14:49

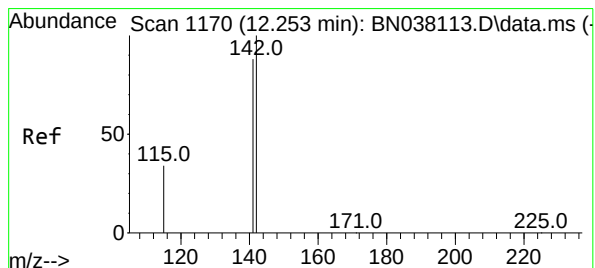
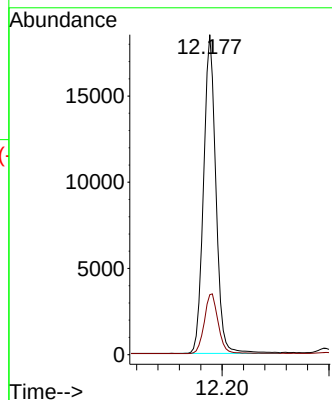
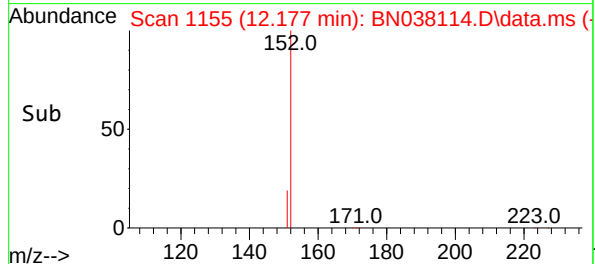
Instrument :
BNA_N
ClientSampleId :
SSTDICC0.8



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

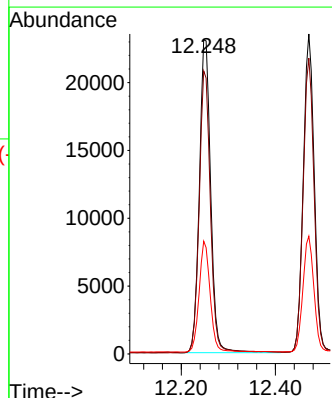
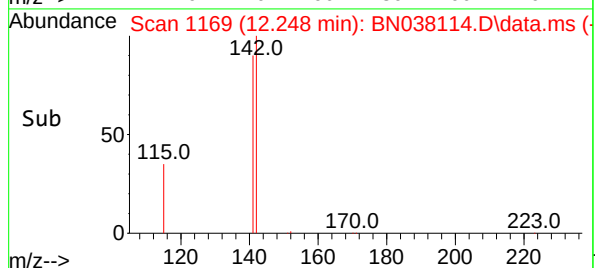
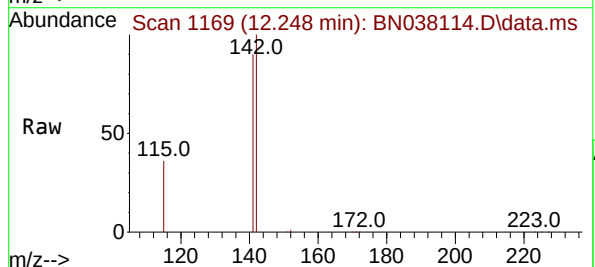
Manual Integrations
APPROVED

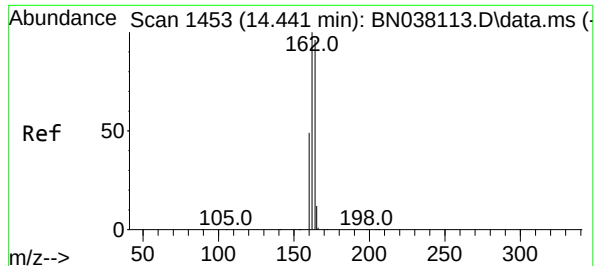
Reviewed By :Rahul Chavli 10/29/2025
Supervised By :mohammad ahmed 10/30/2025



#12
2-Methylnaphthalene
Concen: 0.776 ng
RT: 12.248 min Scan# 1169
Delta R.T. -0.000 min
Lab File: BN038114.D
Acq: 28 Oct 2025 14:49

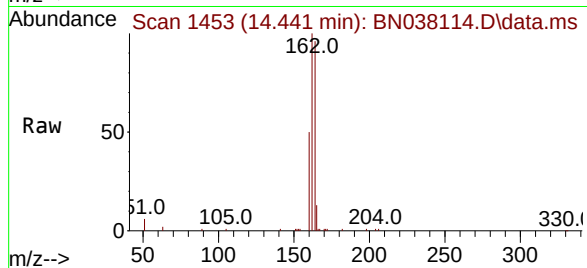
Tgt Ion:142 Resp: 38674
Ion Ratio Lower Upper
142 100
141 90.1 70.3 105.5
115 35.9 27.8 41.6





#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.441 min Scan# 1453
Delta R.T. 0.011 min
Lab File: BN038114.D
Acq: 28 Oct 2025 14:49

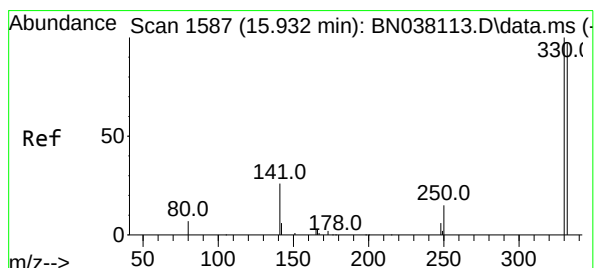
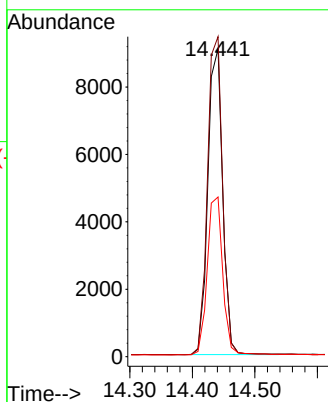
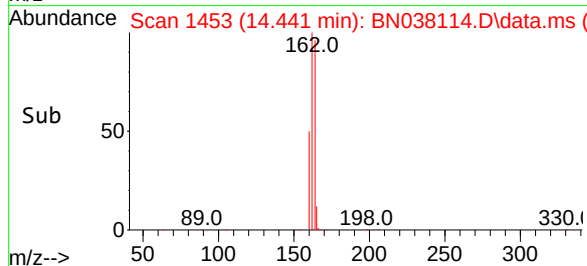
Instrument :
BNA_N
ClientSampleId :
SSTDICC0.8



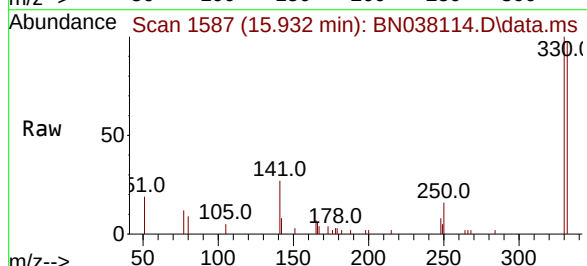
Tgt Ion:164 Resp: 14920
Ion Ratio Lower Upper
164 100
162 104.0 83.0 124.4
160 51.9 40.7 61.1

Manual Integrations
APPROVED

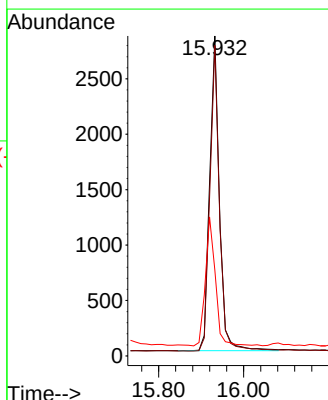
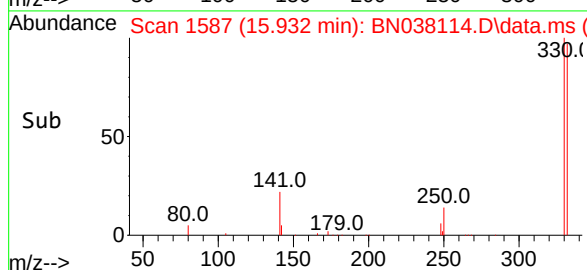
Reviewed By :Rahul Chavli 10/29/2025
Supervised By :mohammad ahmed 10/30/2025

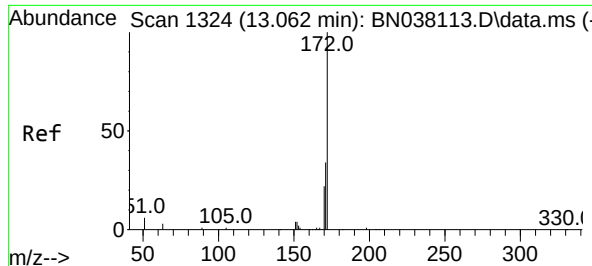


#14
2,4,6-Tribromophenol
Concen: 0.736 ng
RT: 15.932 min Scan# 1587
Delta R.T. 0.000 min
Lab File: BN038114.D
Acq: 28 Oct 2025 14:49



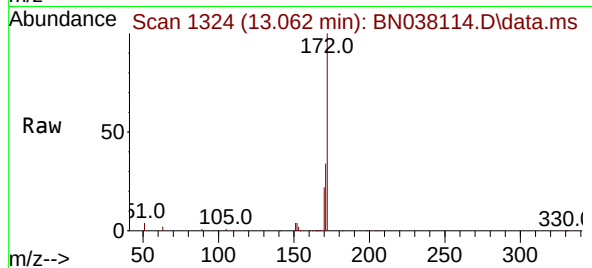
Tgt Ion:330 Resp: 4525
Ion Ratio Lower Upper
330 100
332 95.3 76.6 114.8
141 41.9 34.1 51.1





#15
2-Fluorobiphenyl
Concen: 0.784 ng
RT: 13.062 min Scan# 11
Delta R.T. 0.011 min
Lab File: BN038114.D
Acq: 28 Oct 2025 14:49

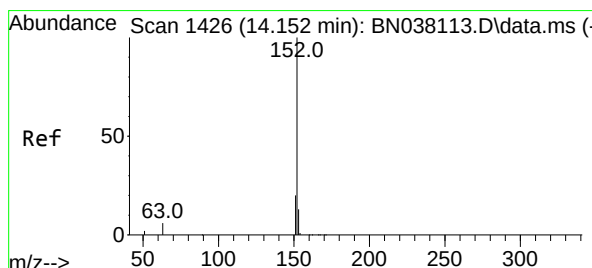
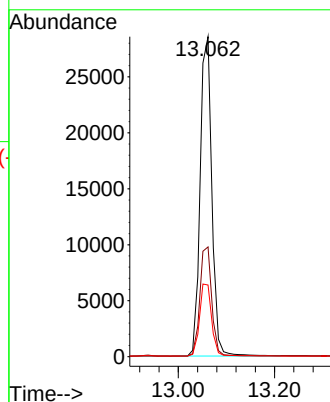
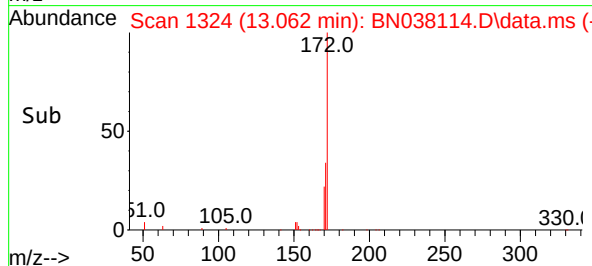
Instrument :
BNA_N
ClientSampleId :
SSTDICC0.8



Tgt Ion:172 Resp: 4684
Ion Ratio Lower Upper
172 100
171 34.3 27.8 41.6
170 22.4 18.1 27.1

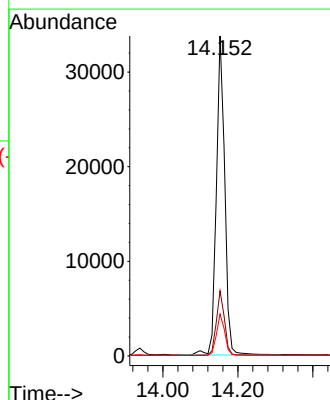
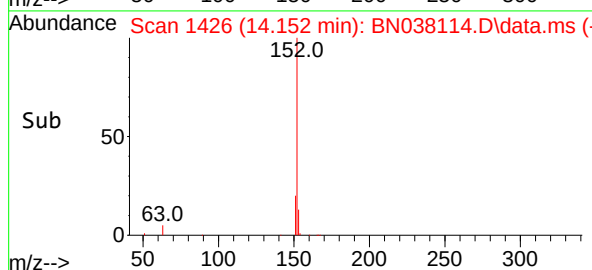
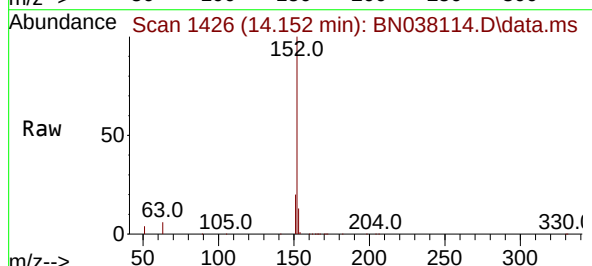
Manual Integrations
APPROVED

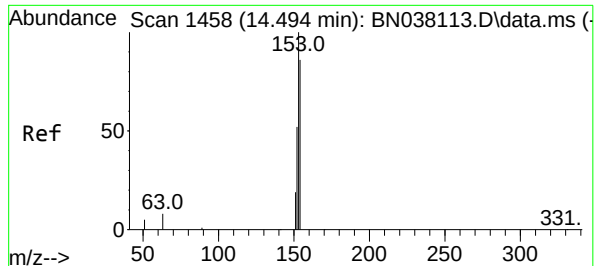
Reviewed By :Rahul Chavli 10/29/2025
Supervised By :mohammad ahmed 10/30/2025



#16
Acenaphthylene
Concen: 0.779 ng
RT: 14.152 min Scan# 1426
Delta R.T. -0.000 min
Lab File: BN038114.D
Acq: 28 Oct 2025 14:49

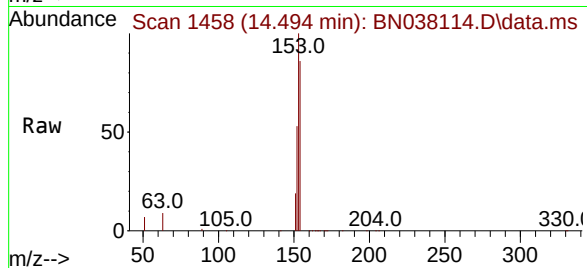
Tgt Ion:152 Resp: 52624
Ion Ratio Lower Upper
152 100
151 19.5 15.8 23.8
153 12.9 10.2 15.2





#17
Acenaphthene
Concen: 0.779 ng
RT: 14.494 min Scan# 1458
Delta R.T. -0.000 min
Lab File: BN038114.D
Acq: 28 Oct 2025 14:49

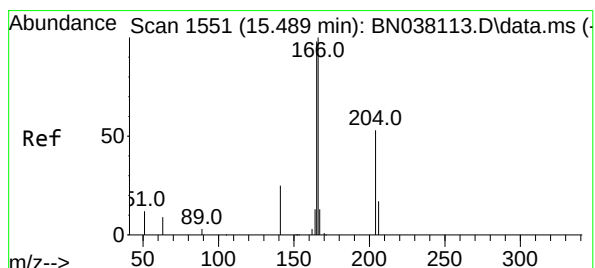
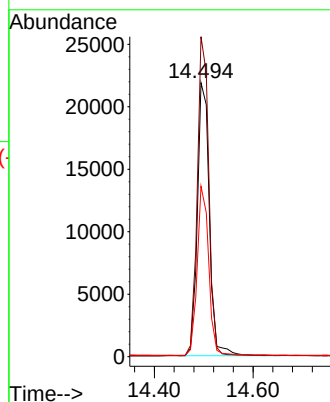
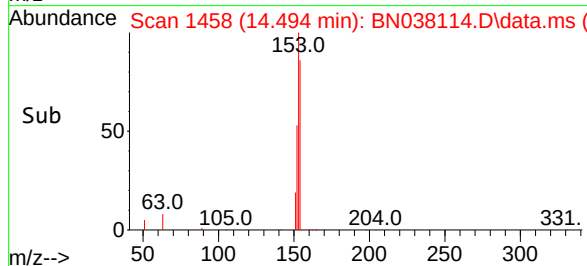
Instrument :
BNA_N
ClientSampleId :
SSTDICC0.8



Tgt Ion:154 Resp: 3684
Ion Ratio Lower Upper
154 100
153 112.3 90.0 135.0
152 59.3 47.3 70.9

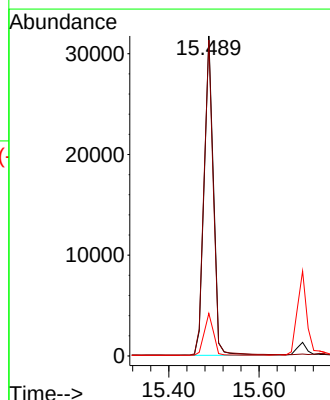
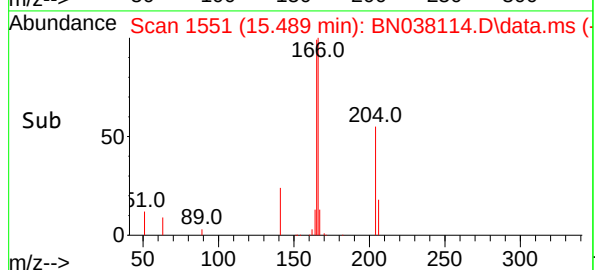
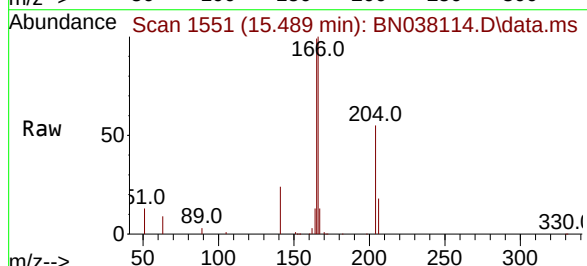
Manual Integrations
APPROVED

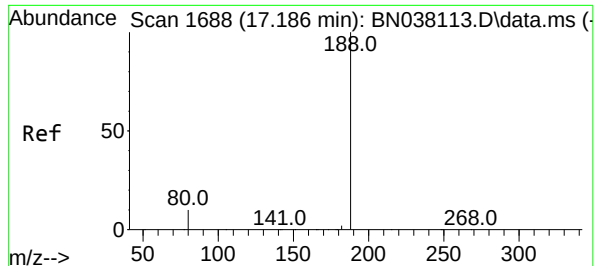
Reviewed By :Rahul Chavli 10/29/2025
Supervised By :mohammad ahmed 10/30/2025



#18
Fluorene
Concen: 0.794 ng
RT: 15.489 min Scan# 1551
Delta R.T. -0.000 min
Lab File: BN038114.D
Acq: 28 Oct 2025 14:49

Tgt Ion:166 Resp: 49204
Ion Ratio Lower Upper
166 100
165 98.7 79.0 118.4
167 13.3 10.7 16.1





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 17.186 min Scan# 1688

Delta R.T. -0.000 min

Lab File: BN038114.D

Acq: 28 Oct 2025 14:49

Instrument :

BNA_N

ClientSampleId :

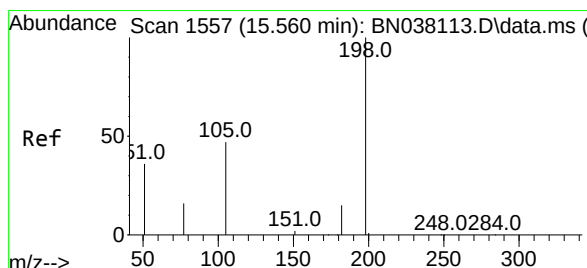
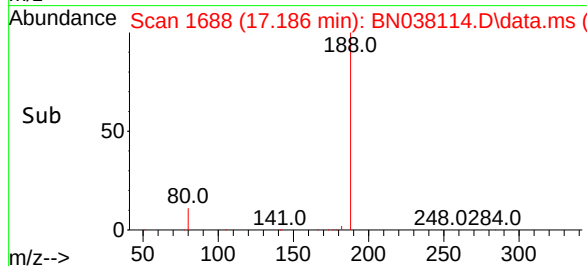
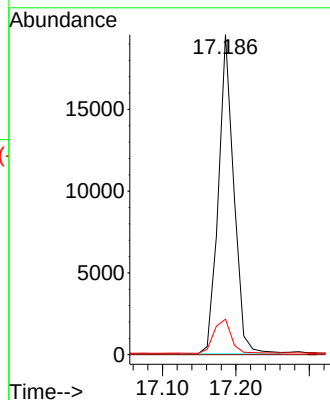
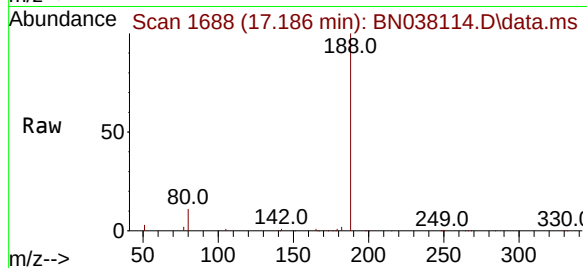
SSTDICC0.8

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

Manual Integrations

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



#20

4,6-Dinitro-2-methylphenol

Concen: 0.689 ng

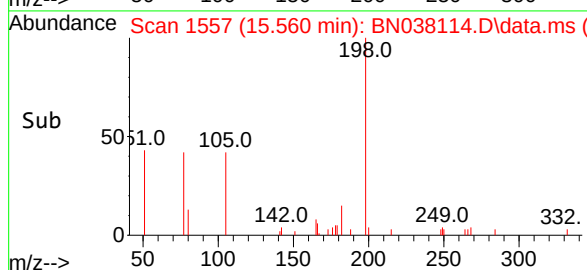
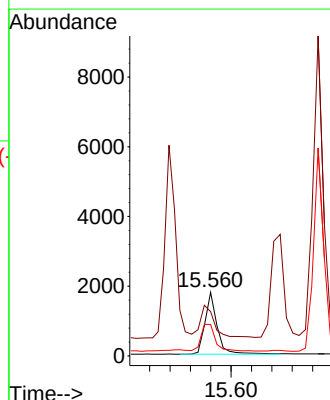
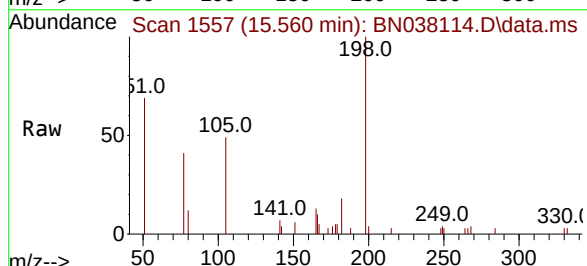
RT: 15.560 min Scan# 1557

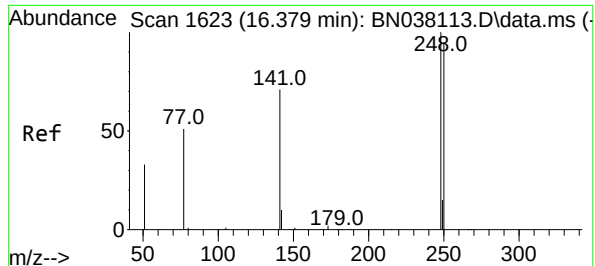
Delta R.T. -0.000 min

Lab File: BN038114.D

Acq: 28 Oct 2025 14:49

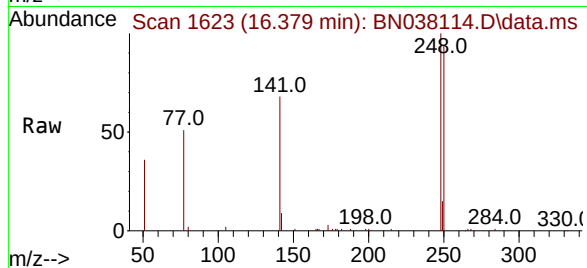
Tgt Ion	Ratio	Lower	Upper
198	100		
51	69.5	88.9	133.3
105	49.4	49.2	73.8





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

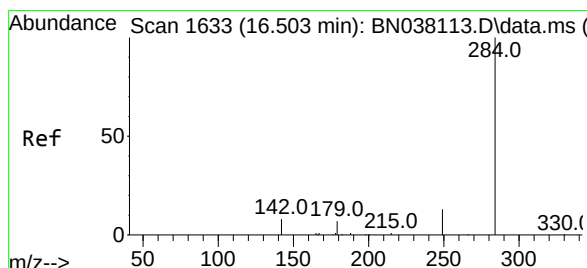
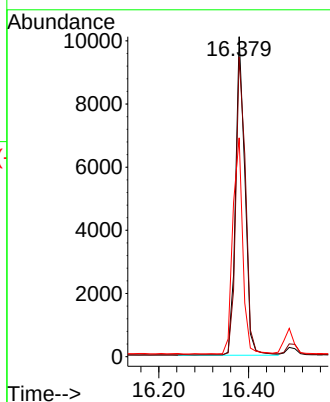
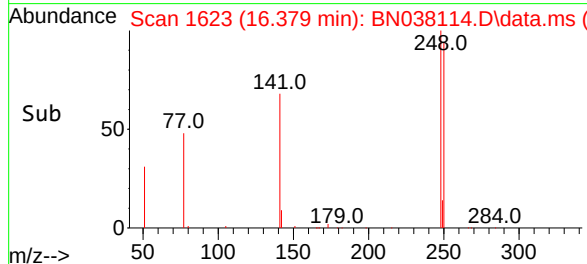
Instrument :
BNA_N
ClientSampleId :
SSTDICC0.8



Tgt Ion:248 Resp: 1457
Ion Ratio Lower Upper
248 100
250 93.7 76.2 114.2
141 68.4 57.6 86.4

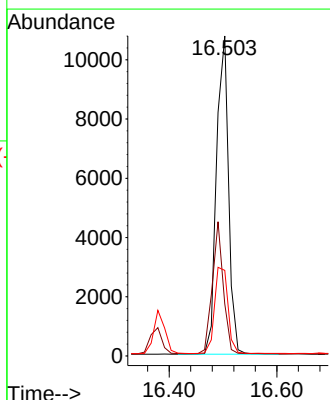
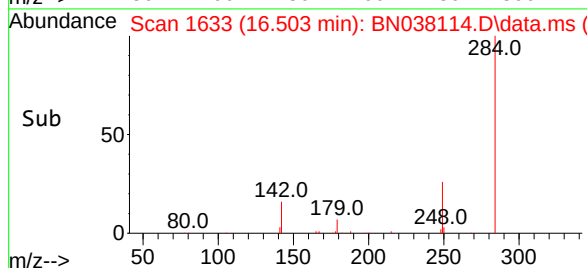
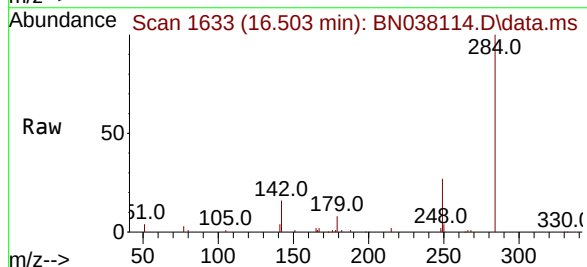
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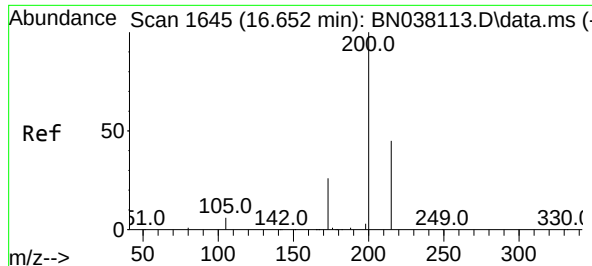
Reviewed By :Rahul Chavli 10/29/2025
Supervised By :mohammad ahmed 10/30/2025



#22
Hexachlorobenzene
Concen: 0.786 ng
RT: 16.503 min Scan# 1633
Delta R.T. -0.000 min
Lab File: BN038114.D
Acq: 28 Oct 2025 14:49

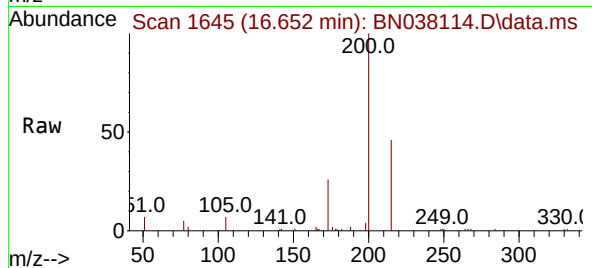
Tgt Ion:284 Resp: 16700
Ion Ratio Lower Upper
284 100
142 38.0 30.5 45.7
249 30.3 23.5 35.3





#23
Atrazine
Concen: 0.745 ng
RT: 16.652 min Scan# 1645
Delta R.T. -0.000 min
Lab File: BN038114.D
Acq: 28 Oct 2025 14:49

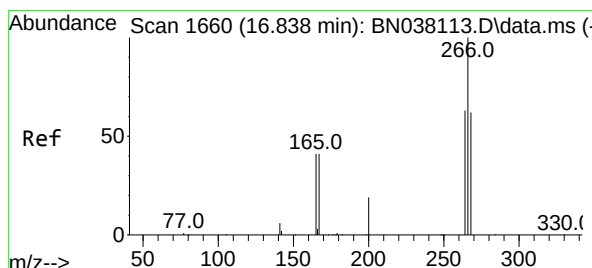
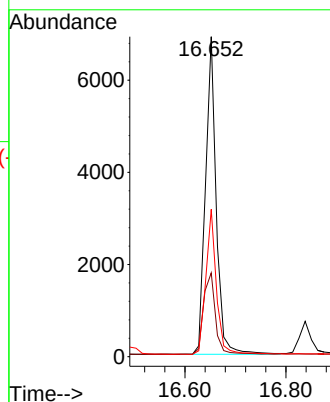
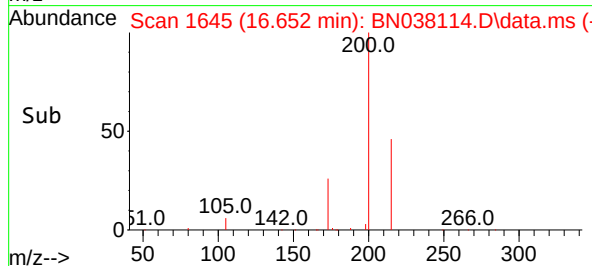
Instrument :
BNA_N
ClientSampleId :
SSTDICC0.8



Tgt Ion:200 Resp: 10204
Ion Ratio Lower Upper
200 100
173 26.2 21.4 32.2
215 46.0 36.7 55.1

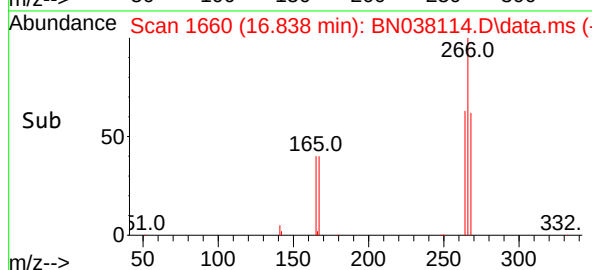
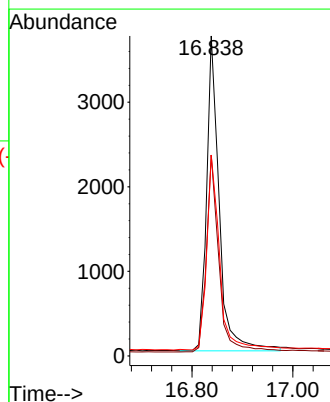
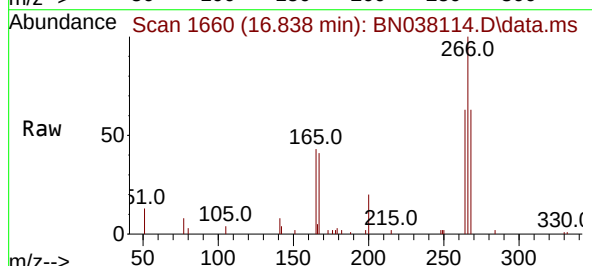
Manual Integrations
APPROVED

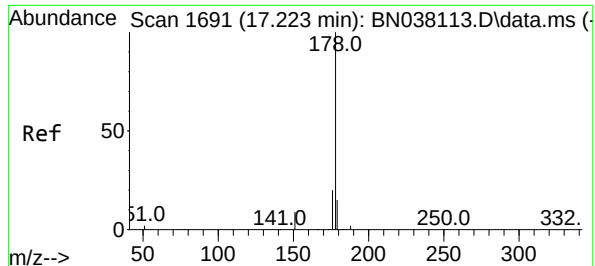
Reviewed By :Rahul Chavli 10/29/2025
Supervised By :mohammad ahmed 10/30/2025



#24
Pentachlorophenol
Concen: 0.707 ng
RT: 16.838 min Scan# 1660
Delta R.T. -0.000 min
Lab File: BN038114.D
Acq: 28 Oct 2025 14:49

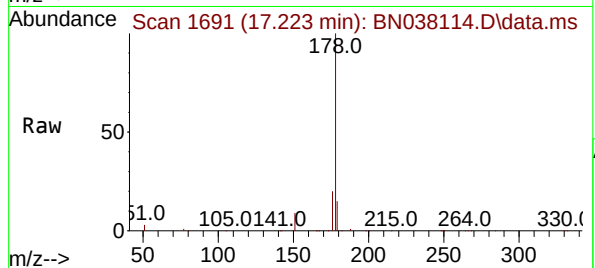
Tgt Ion:266 Resp: 6470
Ion Ratio Lower Upper
266 100
264 62.0 49.3 73.9
268 64.3 50.6 75.8





#25
Phenanthrene
Concen: 0.779 ng
RT: 17.223 min Scan# 1691
Delta R.T. -0.000 min
Lab File: BN038114.D
Acq: 28 Oct 2025 14:49

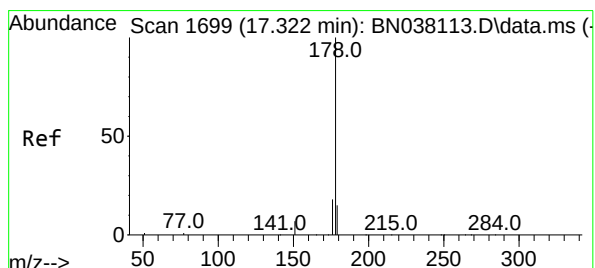
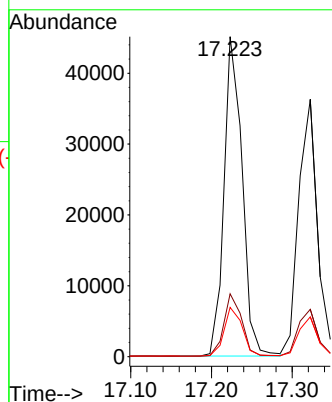
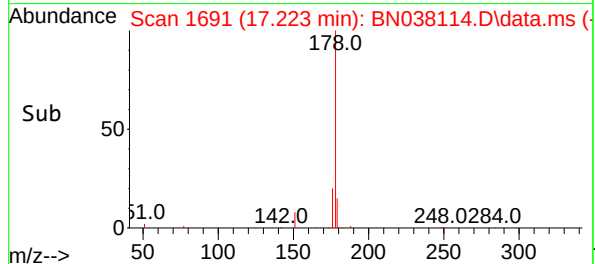
Instrument :
BNA_N
ClientSampleId :
SSTDICC0.8



Tgt Ion:178 Resp: 7045
Ion Ratio Lower Upper
178 100
176 19.2 15.5 23.3
179 15.3 12.2 18.4

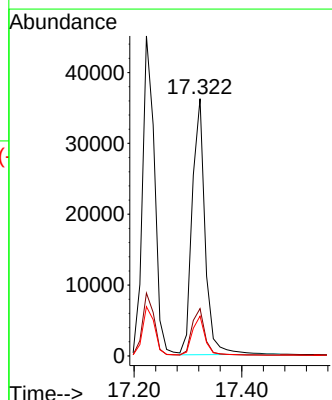
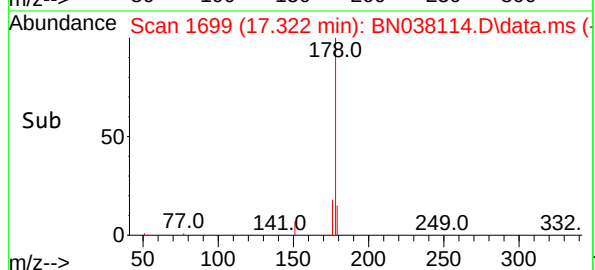
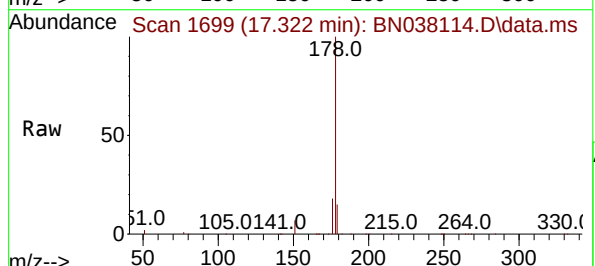
Manual Integrations
APPROVED

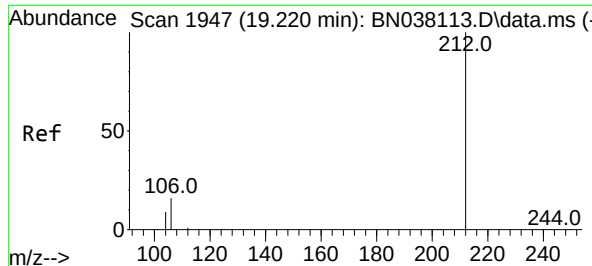
Reviewed By :Rahul Chavli 10/29/2025
Supervised By :mohammad ahmed 10/30/2025



#26
Anthracene
Concen: 0.761 ng
RT: 17.322 min Scan# 1699
Delta R.T. -0.000 min
Lab File: BN038114.D
Acq: 28 Oct 2025 14:49

Tgt Ion:178 Resp: 60270
Ion Ratio Lower Upper
178 100
176 18.6 14.9 22.3
179 15.2 11.8 17.8





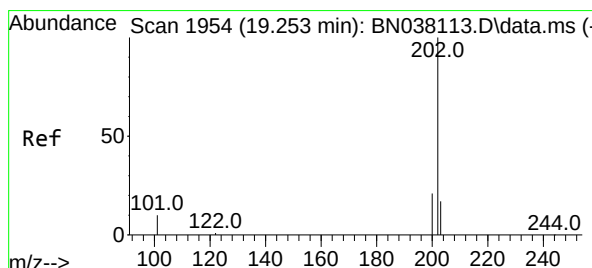
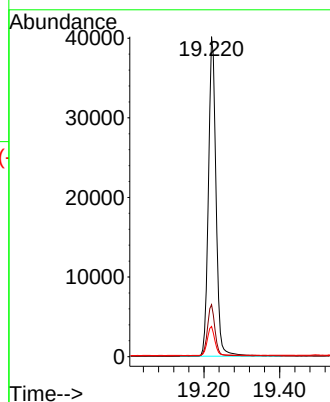
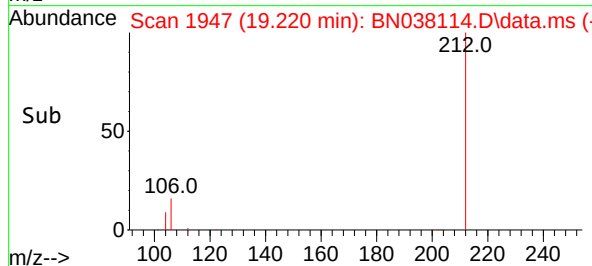
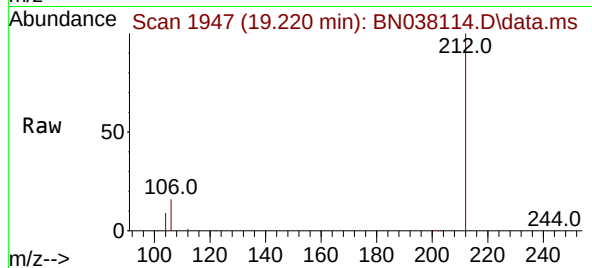
#27
Fluoranthene-d10
Concen: 0.778 ng
RT: 19.220 min Scan# 1947
Delta R.T. -0.000 min
Lab File: BN038114.D
Acq: 28 Oct 2025 14:49

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.8

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

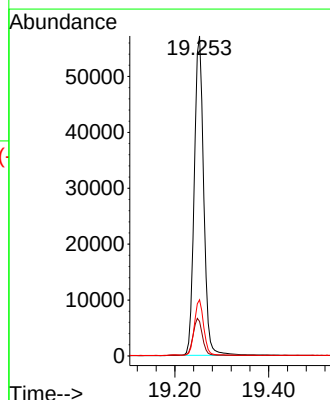
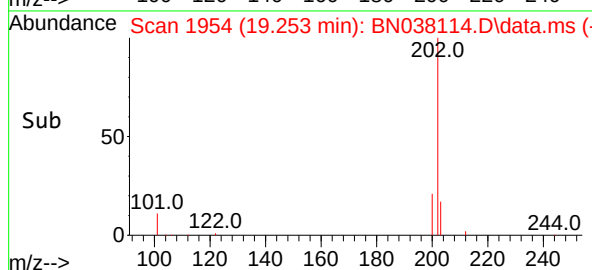
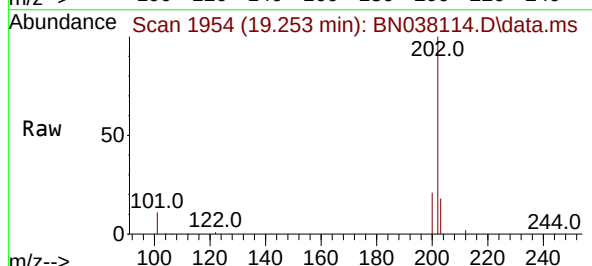
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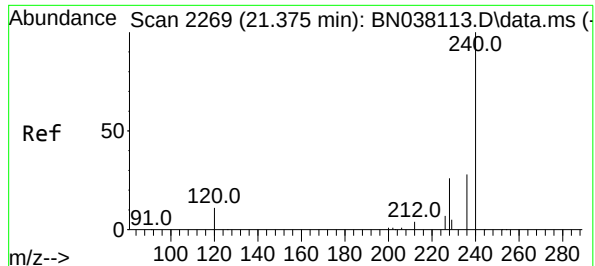
Reviewed By :Rahul Chavli 10/29/2025
Supervised By :mohammad ahmed 10/30/2025



#28
Fluoranthene
Concen: 0.786 ng
RT: 19.253 min Scan# 1954
Delta R.T. -0.000 min
Lab File: BN038114.D
Acq: 28 Oct 2025 14:49

Tgt Ion:202 Resp: 79478
Ion Ratio Lower Upper
202 100
101 11.8 9.4 14.2
203 17.0 13.4 20.2





#29

Chrysene-d12

Concen: 0.400 ng

RT: 21.375 min Scan# 21

Delta R.T. -0.000 min

Lab File: BN038114.D

Acq: 28 Oct 2025 14:49

Instrument :

BNA_N

ClientSampleId :

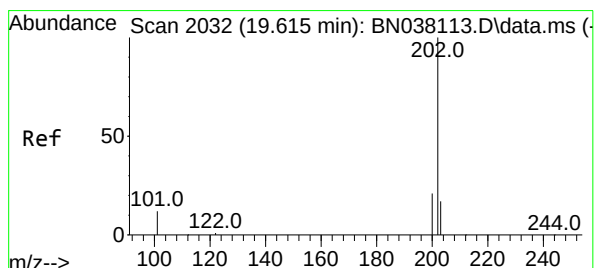
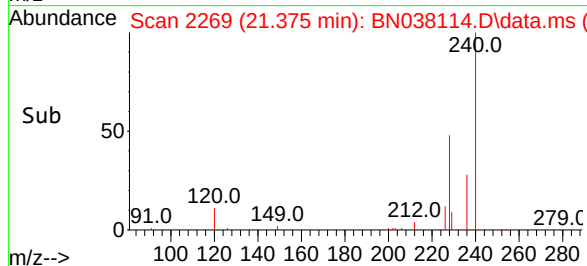
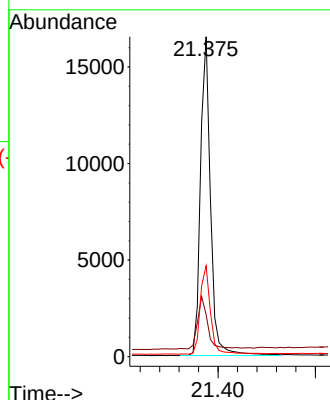
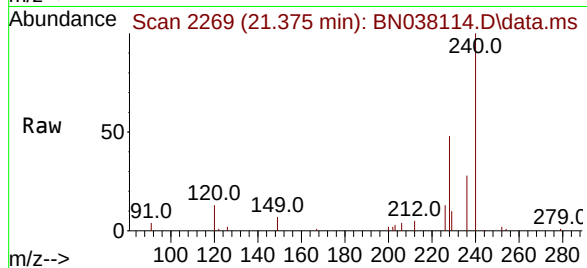
SSTDICC0.8

Tgt Ion:240	Resp:	2353
Ion Ratio	Lower	Upper
240	100	
120	13.1	10.7 16.1
236	28.4	23.1 34.7

Manual Integrations

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



#30

Pyrene

Concen: 0.737 ng

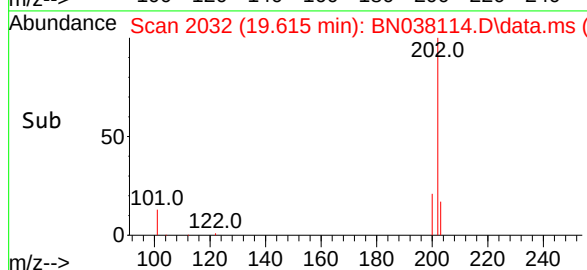
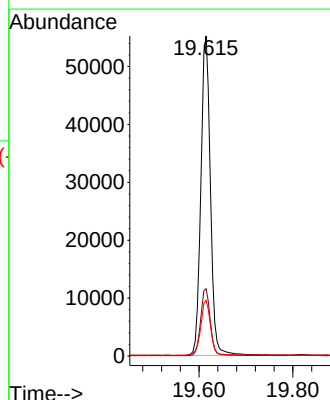
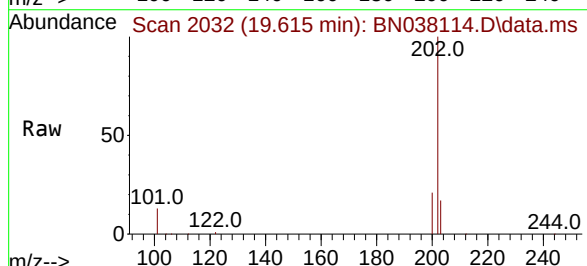
RT: 19.615 min Scan# 2032

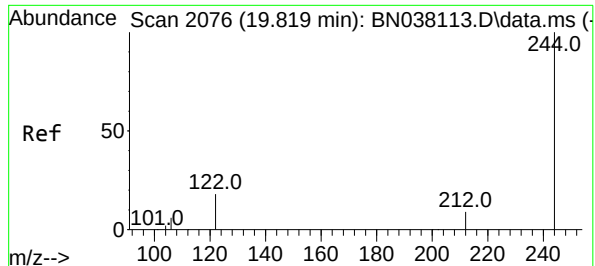
Delta R.T. 0.005 min

Lab File: BN038114.D

Acq: 28 Oct 2025 14:49

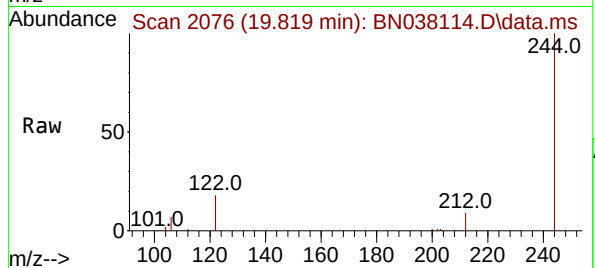
Tgt Ion:202	Resp:	78307
Ion Ratio	Lower	Upper
202	100	
200	21.2	16.7 25.1
203	17.7	14.2 21.2





#31
Terphenyl-d14
Concen: 0.743 ng
RT: 19.819 min Scan# 2076
Delta R.T. -0.000 min
Lab File: BN038114.D
Acq: 28 Oct 2025 14:49

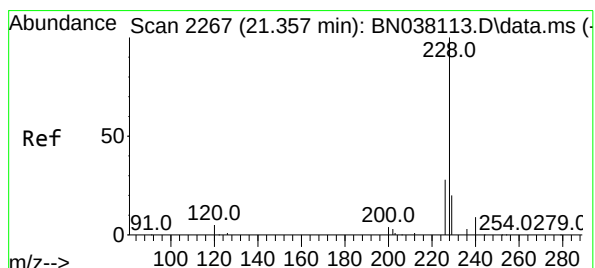
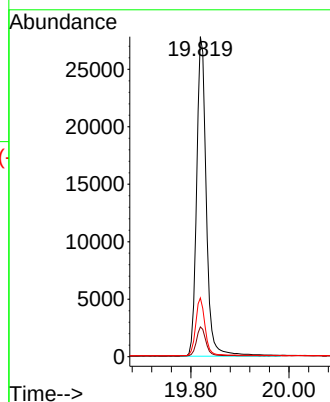
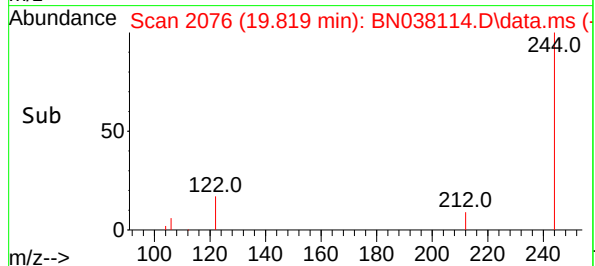
Instrument :
BNA_N
ClientSampleId :
SSTDICC0.8



Tgt Ion:244 Resp: 37975
Ion Ratio Lower Upper
244 100
212 9.3 7.8 11.6
122 18.4 15.2 22.8

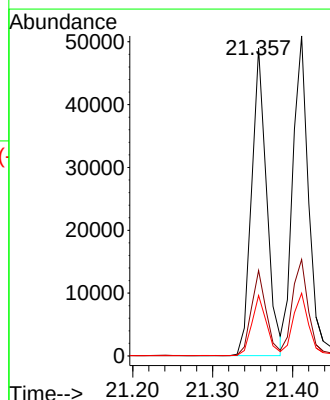
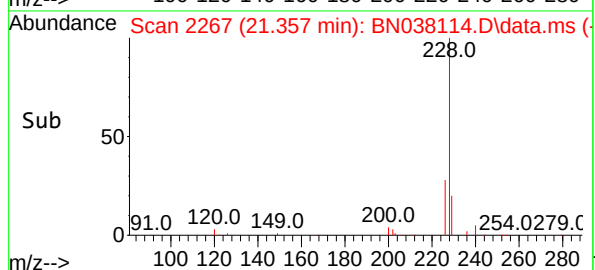
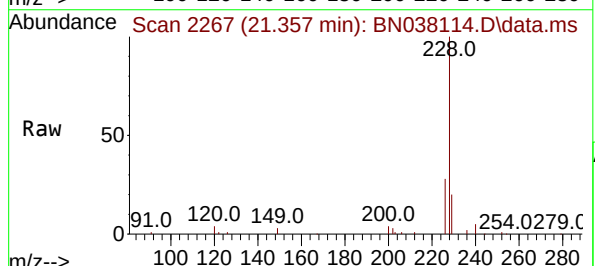
Manual Integrations
APPROVED

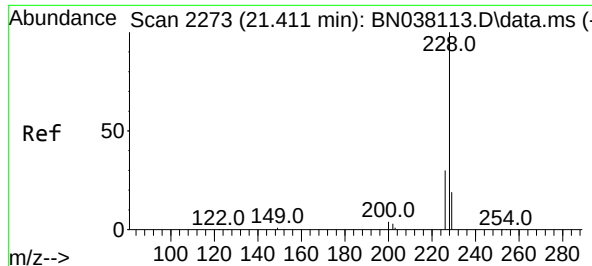
Reviewed By :Rahul Chavli 10/29/2025
Supervised By :mohammad ahmed 10/30/2025



#32
Benzo(a)anthracene
Concen: 0.764 ng
RT: 21.357 min Scan# 2267
Delta R.T. -0.000 min
Lab File: BN038114.D
Acq: 28 Oct 2025 14:49

Tgt Ion:228 Resp: 64140
Ion Ratio Lower Upper
228 100
226 27.7 22.2 33.4
229 19.6 15.8 23.8





#33

Chrysene

Concen: 0.787 ng

RT: 21.411 min Scan# 21

Delta R.T. -0.000 min

Lab File: BN038114.D

Acq: 28 Oct 2025 14:49

Instrument :

BNA_N

ClientSampleId :

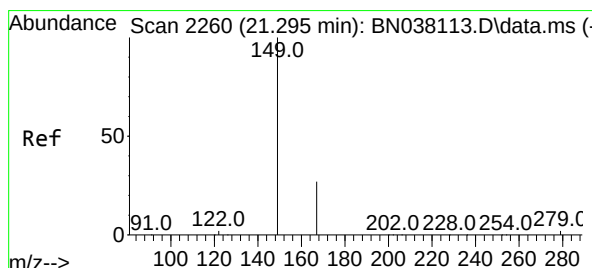
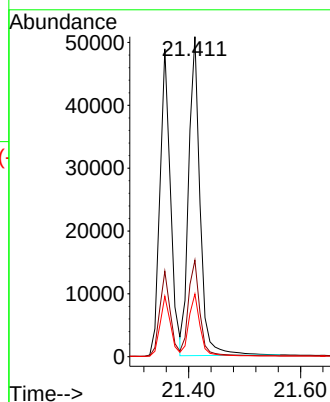
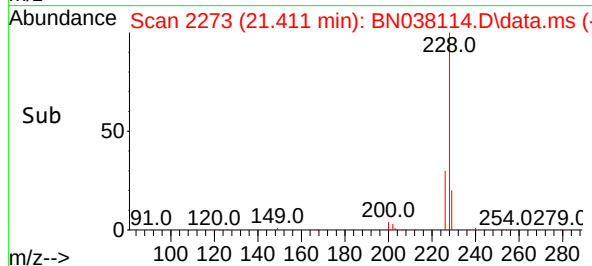
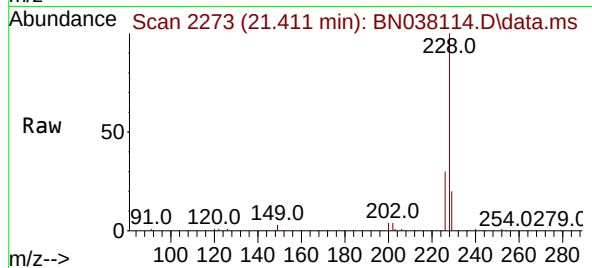
SSTDICC0.8

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

Manual Integrations

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



#34

Bis(2-ethylhexyl)phthalate

Concen: 0.745 ng

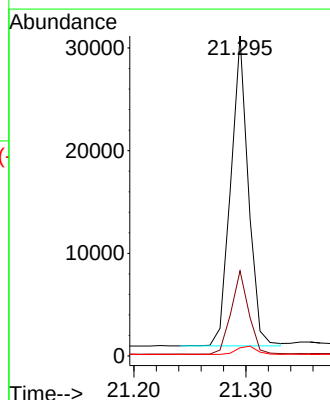
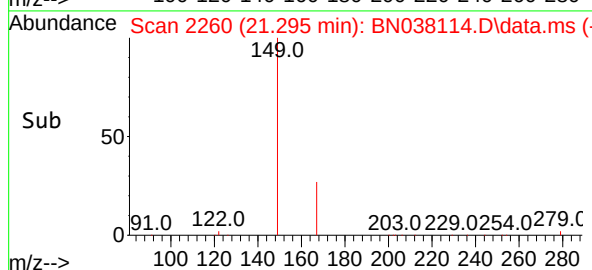
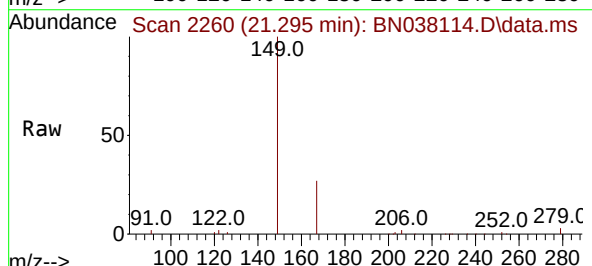
RT: 21.295 min Scan# 2260

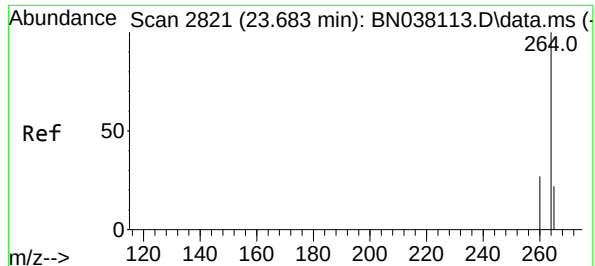
Delta R.T. -0.000 min

Lab File: BN038114.D

Acq: 28 Oct 2025 14:49

Tgt Ion	Ratio	Lower	Upper
149	100		
167	26.8	21.1	31.7
279	3.1	2.9	4.3





#35

Perylene-d12

Concen: 0.400 ng

RT: 23.683 min Scan# 2821

Delta R.T. 0.003 min

Lab File: BN038114.D

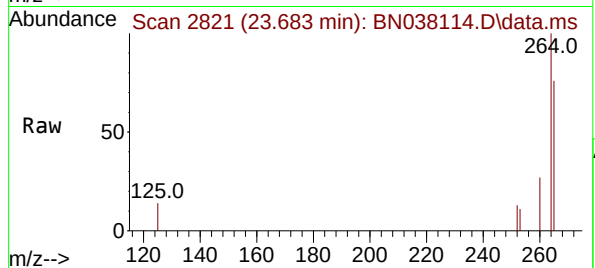
Acq: 28 Oct 2025 14:49

Instrument :

BNA_N

ClientSampleId :

SSTDICC0.8



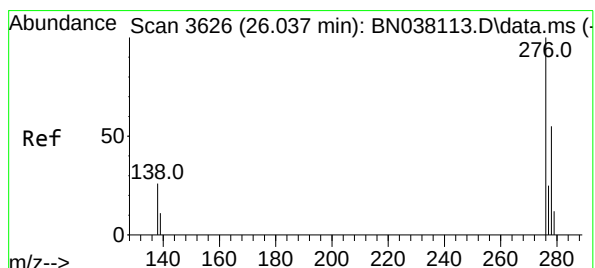
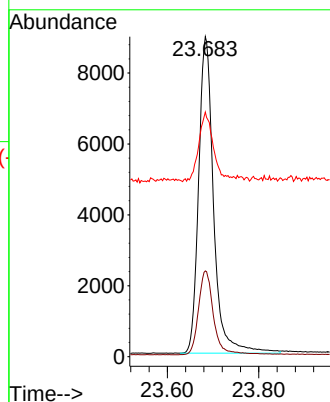
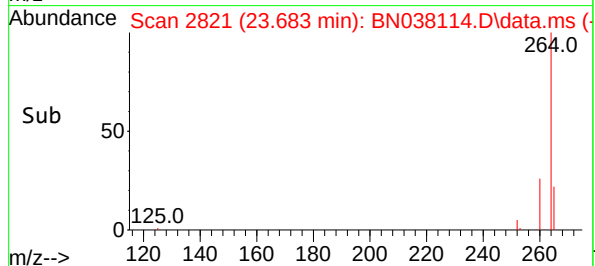
Tgt Ion:264 Resp: 20307

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

Manual Integrations

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



#36

Indeno(1,2,3-cd)pyrene

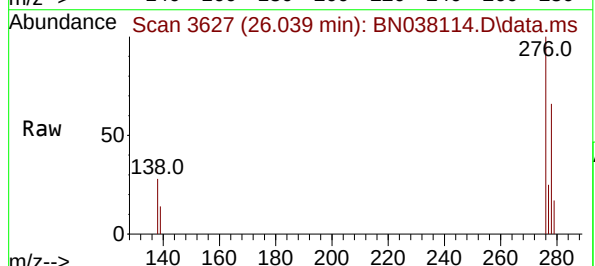
Concen: 0.789 ng

RT: 26.039 min Scan# 3627

Delta R.T. 0.006 min

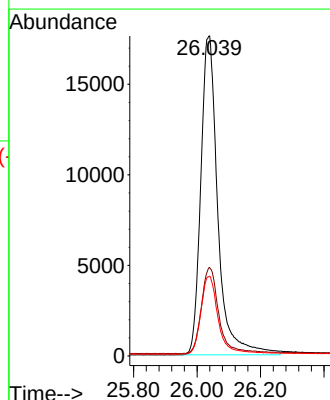
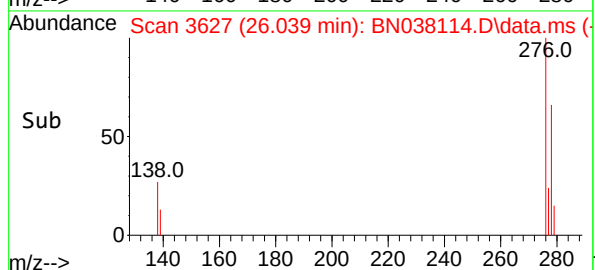
Lab File: BN038114.D

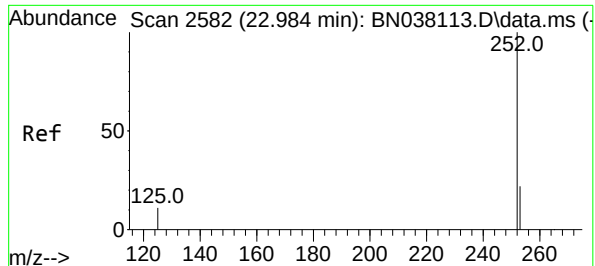
Acq: 28 Oct 2025 14:49



Tgt Ion:276 Resp: 65796

Ion	Ratio	Lower	Upper
276	100		
138	27.3	21.4	32.0
277	24.7	19.2	28.8





#37

Benzo(b)fluoranthene

Concen: 0.805 ng m

RT: 22.984 min Scan# 2582

Delta R.T. 0.003 min

Lab File: BN038114.D

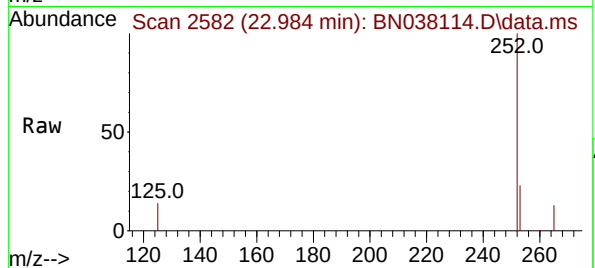
Acq: 28 Oct 2025 14:49

Instrument :

BNA_N

ClientSampleId :

SSTDICC0.8



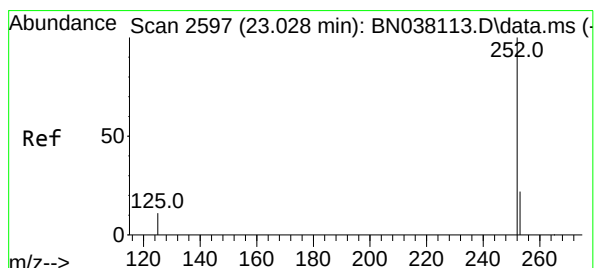
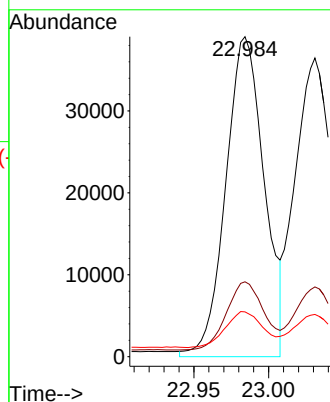
Tgt Ion:252 Resp: 69912

Ion	Ratio	Lower	Upper
252	100		
253	23.4	20.9	31.3
125	14.0	14.1	21.1

Manual Integrations

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



#38

Benzo(k)fluoranthene

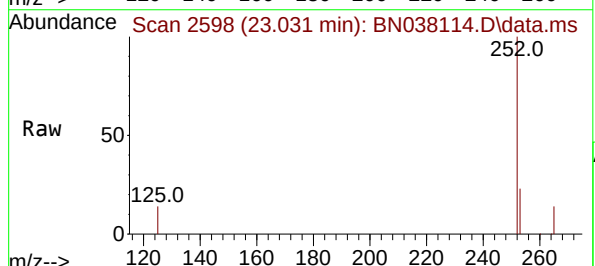
Concen: 0.776 ng

RT: 23.031 min Scan# 2598

Delta R.T. 0.003 min

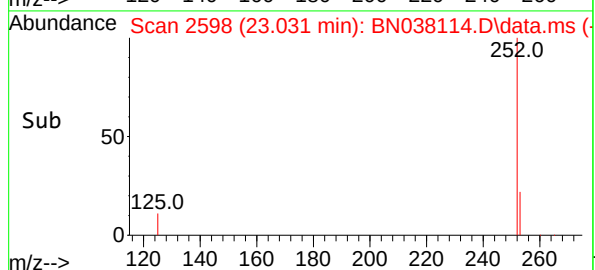
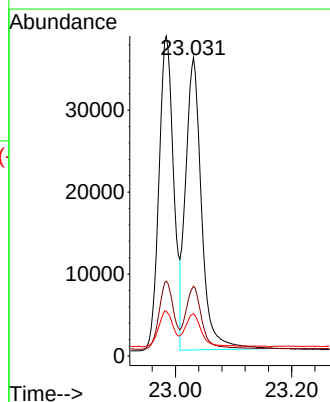
Lab File: BN038114.D

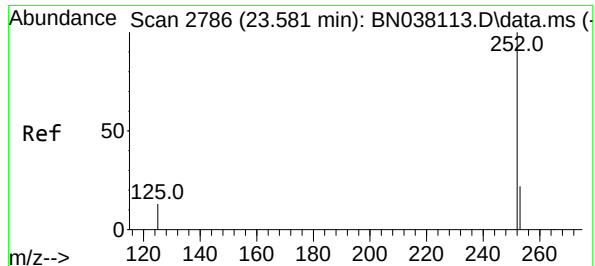
Acq: 28 Oct 2025 14:49



Tgt Ion:252 Resp: 67771

Ion	Ratio	Lower	Upper
252	100		
253	23.4	21.2	31.8
125	14.2	14.6	22.0





#39

Benzo(a)pyrene

Concen: 0.768 ng

RT: 23.578 min Scan# 21

Delta R.T. -0.000 min

Lab File: BN038114.D

Acq: 28 Oct 2025 14:49

Instrument :

BNA_N

ClientSampleId :

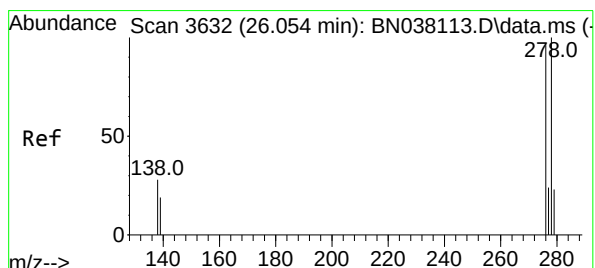
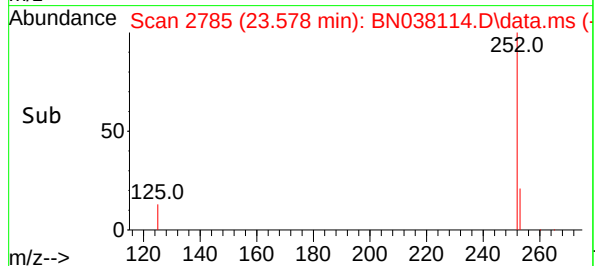
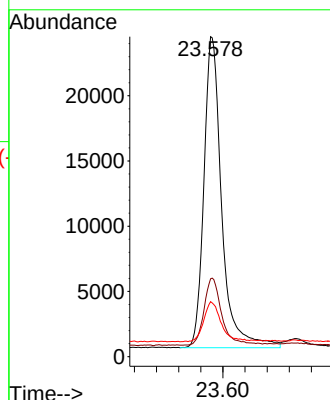
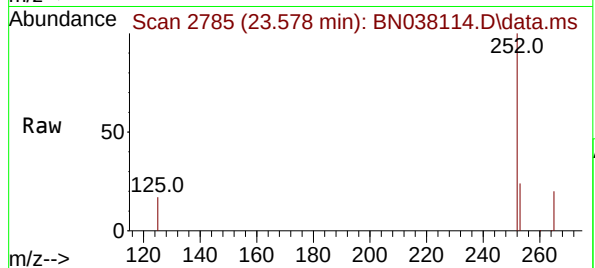
SSTDICC0.8

Tgt Ion:	252	Resp:	5336
Ion Ratio	Lower	Upper	
252	100		
253	24.4	23.1	34.7
125	17.2	18.6	28.0

Manual Integrations

APPROVED

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



#40

Dibenzo(a,h)anthracene

Concen: 0.784 ng

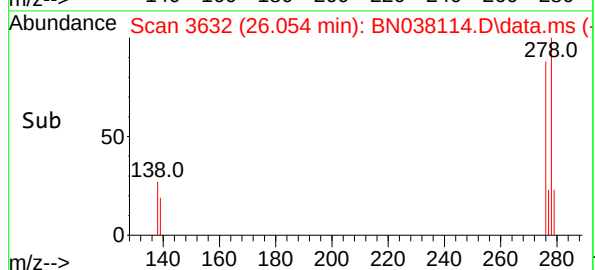
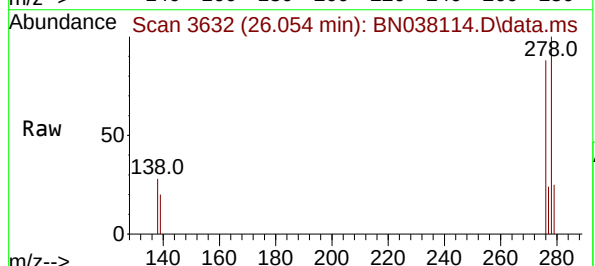
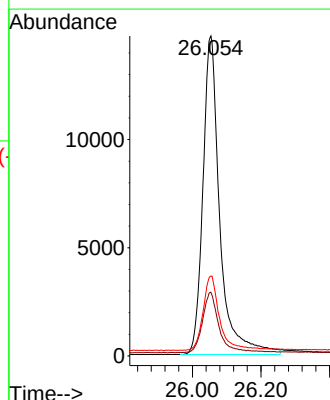
RT: 26.054 min Scan# 3632

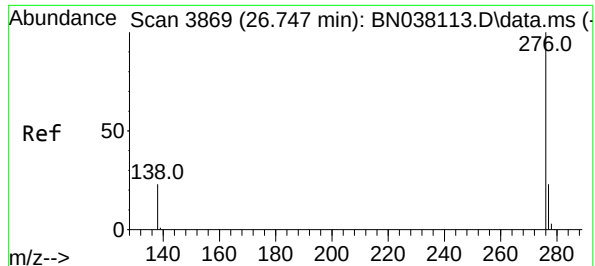
Delta R.T. 0.006 min

Lab File: BN038114.D

Acq: 28 Oct 2025 14:49

Tgt Ion:	278	Resp:	50344
Ion Ratio	Lower	Upper	
278	100		
139	19.9	17.6	26.4
279	25.0	22.6	33.8





#41

Benzo(g,h,i)perylene

Concen: 0.793 ng

RT: 26.753 min Scan# 3871

Delta R.T. 0.003 min

Lab File: BN038114.D

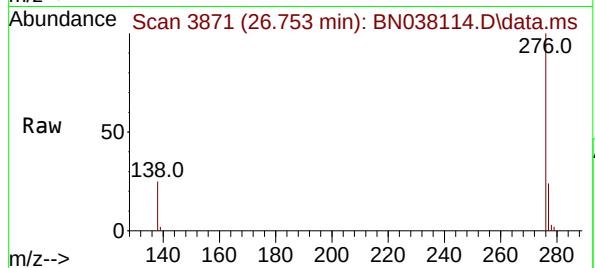
Acq: 28 Oct 2025 14:49

Instrument :

BNA_N

ClientSampleId :

SSTDICC0.8



Tgt Ion:276 Resp: 5815

Ion Ratio Lower Upper

276 100

277 24.0 19.7 29.5

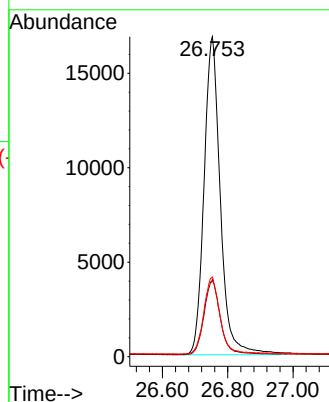
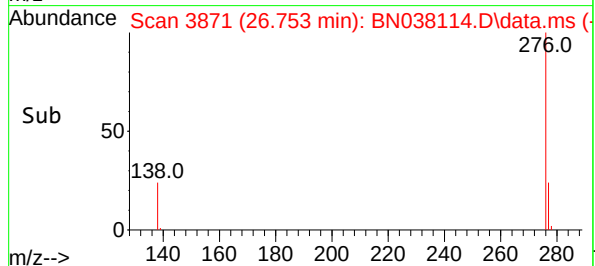
138 24.9 20.2 30.4

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 10/29/2025

Supervised By :mohammad ahmed 10/30/2025



Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN102825\
 Data File : BN038115.D
 Acq On : 28 Oct 2025 15:25
 Operator : RC/JU
 Sample : SSTDICC1.6
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 SSTDICC1.6

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

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

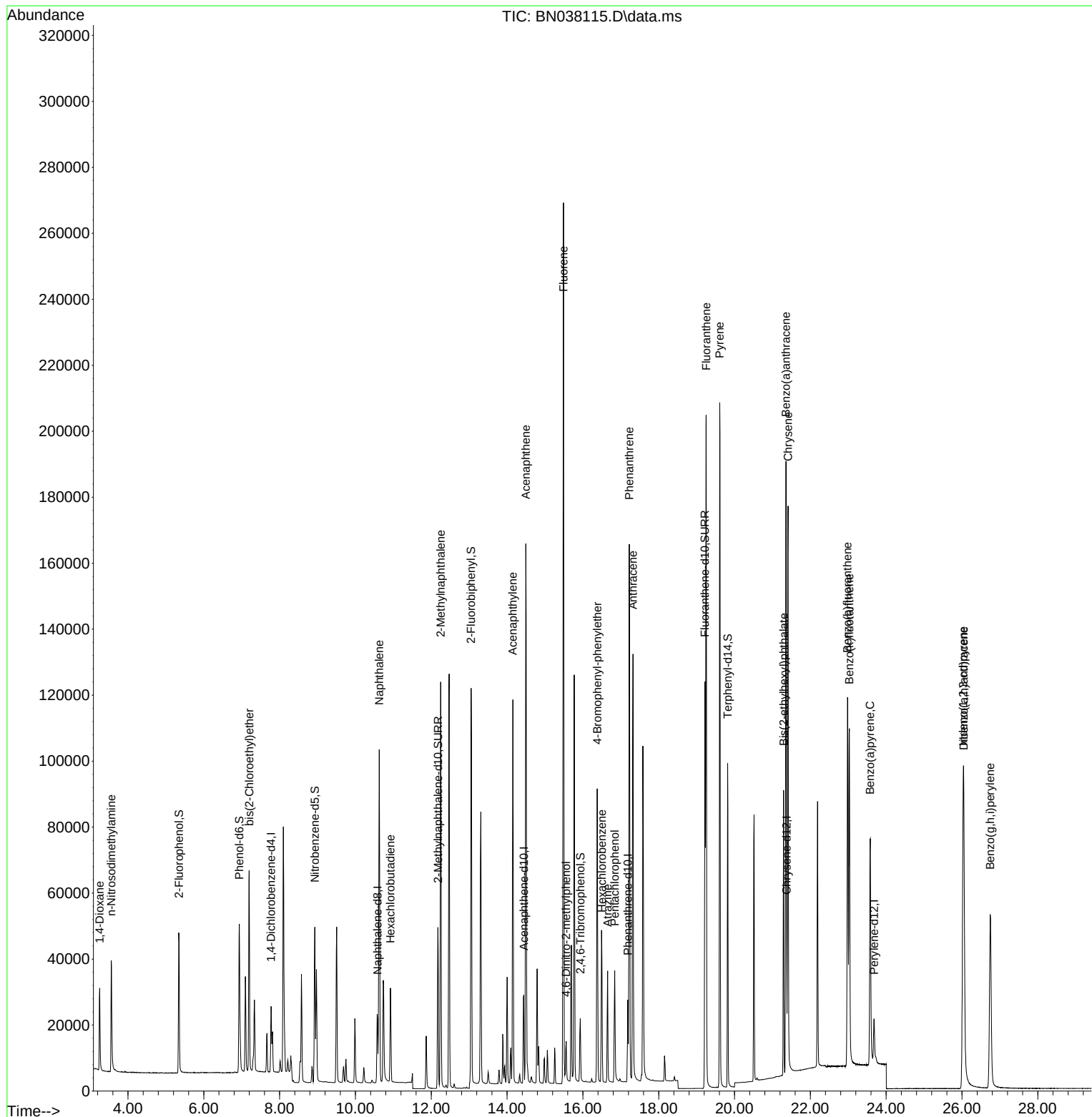
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.775	152	9872	0.400	ng	0.00
7) Naphthalene-d8	10.584	136	29279	0.400	ng	0.01
13) Acenaphthene-d10	14.441	164	16624	0.400	ng	0.01
19) Phenanthrene-d10	17.186	188	31469	0.400	ng	0.00
29) Chrysene-d12	21.375	240	25173	0.400	ng	0.00
35) Perylene-d12	23.680	264	19529	0.400	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.348	112	36286	1.560	ng	0.00
5) Phenol-d6	6.937	99	44651	1.576	ng	0.00
8) Nitrobenzene-d5	8.929	82	36991	1.566	ng	0.00
11) 2-Methylnaphthalene-d10	12.177	152	68673	1.642	ng	0.00
14) 2,4,6-Tribromophenol	15.932	330	11390	1.663	ng	0.00
15) 2-Fluorobiphenyl	13.051	172	107386	1.613	ng	0.00
27) Fluoranthene-d10	19.220	212	132146	1.665	ng	0.00
31) Terphenyl-d14	19.819	244	89776	1.642	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.254	88	16443	1.612	ng	99
3) n-Nitrosodimethylamine	3.557	42	21596	1.645	ng	96
6) bis(2-Chloroethyl)ether	7.197	93	45315	1.628	ng	99
9) Naphthalene	10.626	128	131755	1.634	ng	99
10) Hexachlorobutadiene	10.925	225	22006	1.617	ng	# 99
12) 2-Methylnaphthalene	12.248	142	88687	1.649	ng	99
16) Acenaphthylene	14.152	152	125798	1.671	ng	99
17) Acenaphthene	14.495	154	87659	1.664	ng	98
18) Fluorene	15.489	166	117574	1.703	ng	100
20) 4,6-Dinitro-2-methylph...	15.560	198	7997	1.534	ng	# 54
21) 4-Bromophenyl-phenylether	16.379	248	34434	1.669	ng	95
22) Hexachlorobenzene	16.503	284	38518	1.642	ng	99
23) Atrazine	16.652	200	25585	1.693	ng	97
24) Pentachlorophenol	16.838	266	16638	1.646	ng	99
25) Phenanthrene	17.223	178	166989	1.671	ng	100
26) Anthracene	17.322	178	148754	1.702	ng	100
28) Fluoranthene	19.253	202	187774	1.682	ng	99
30) Pyrene	19.610	202	184735	1.626	ng	100
32) Benzo(a)anthracene	21.358	228	147889	1.647	ng	99
33) Chrysene	21.411	228	156927	1.610	ng	99
34) Bis(2-ethylhexyl)phtha...	21.295	149	72607	1.535	ng	99
36) Indeno(1,2,3-cd)pyrene	26.031	276	135169	1.685	ng	99
37) Benzo(b)fluoranthene	22.981	252	141041	1.689	ng	# 91
38) Benzo(k)fluoranthene	23.028	252	143019	1.702	ng	# 90
39) Benzo(a)pyrene	23.578	252	110949	1.660	ng	# 85
40) Dibenzo(a,h)anthracene	26.048	278	105589	1.710	ng	92
41) Benzo(g,h,i)perylene	26.747	276	117071	1.660	ng	98

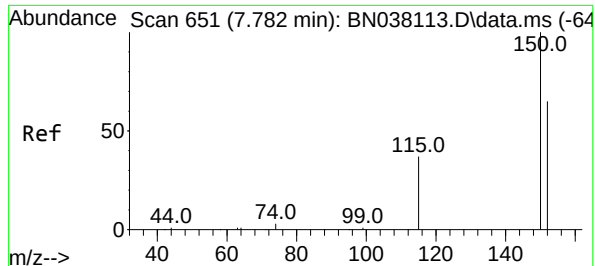
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN102825\
Data File : BN038115.D
Acq On : 28 Oct 2025 15:25
Operator : RC/JU
Sample : SSTDICC1.6
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
SSTDICC1.6

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

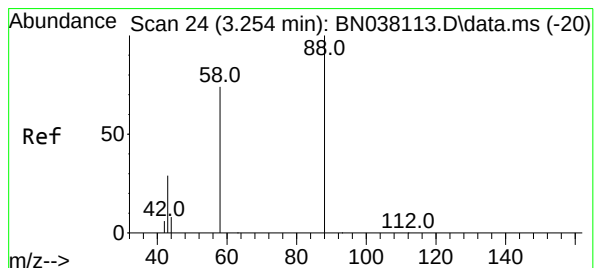
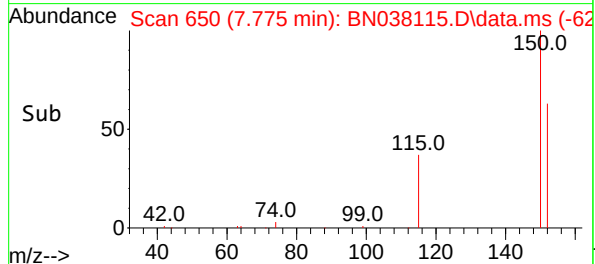
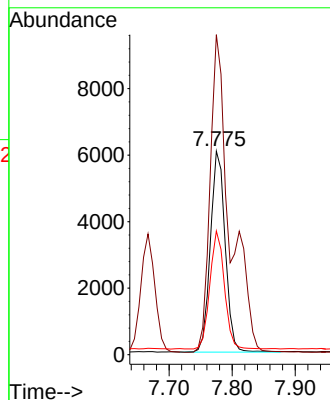
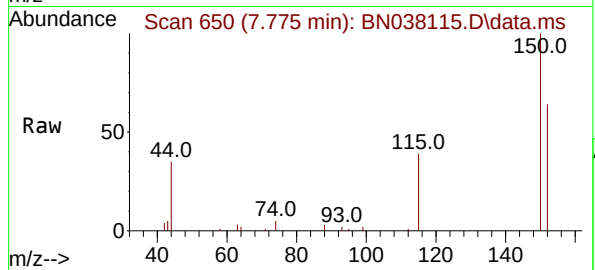




#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.775 min Scan# 61
Delta R.T. -0.000 min
Lab File: BN038115.D
Acq: 28 Oct 2025 15:25

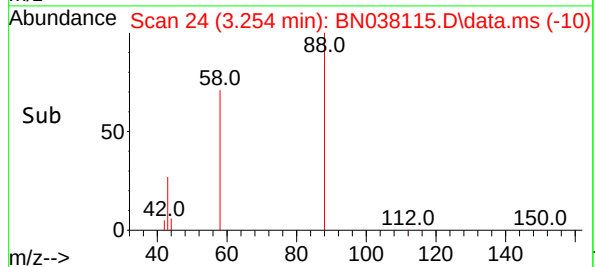
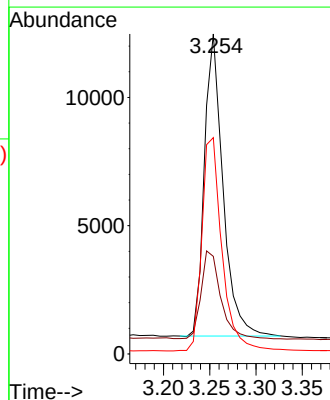
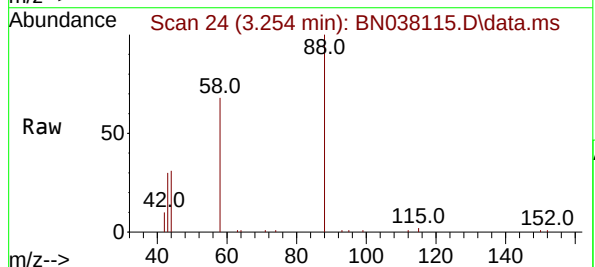
Instrument :
BNA_N
ClientSampleId :
SSTDICC1.6

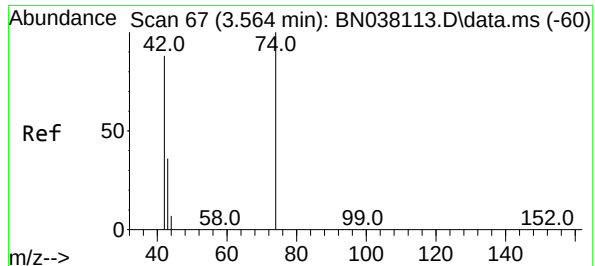
Tgt Ion:152 Resp: 9872
Ion Ratio Lower Upper
152 100
150 157.2 122.3 183.5
115 60.8 47.4 71.0



#2
1,4-Dioxane
Concen: 1.612 ng
RT: 3.254 min Scan# 24
Delta R.T. 0.000 min
Lab File: BN038115.D
Acq: 28 Oct 2025 15:25

Tgt Ion: 88 Resp: 16443
Ion Ratio Lower Upper
88 100
43 30.7 24.3 36.5
58 76.6 60.4 90.6

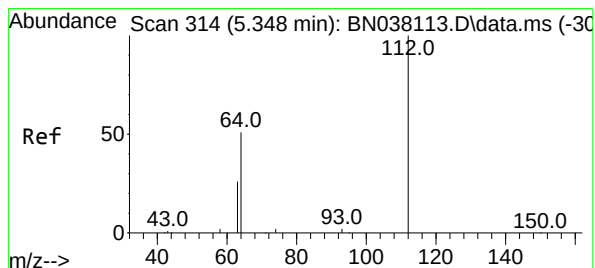
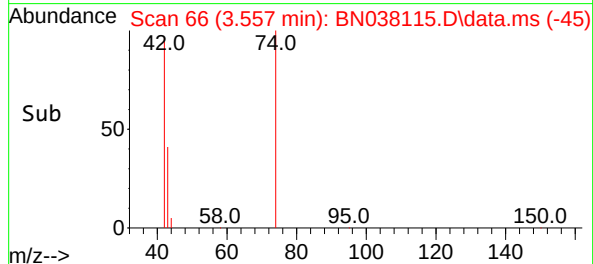
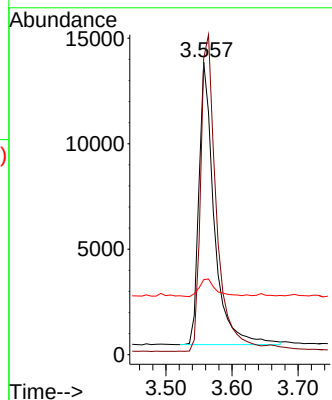
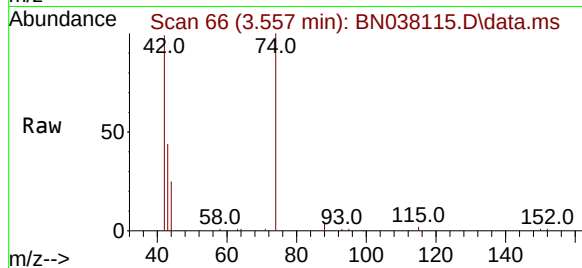




#3
n-Nitrosodimethylamine
Concen: 1.645 ng
RT: 3.557 min Scan# 60
Delta R.T. 0.000 min
Lab File: BN038115.D
Acq: 28 Oct 2025 15:25

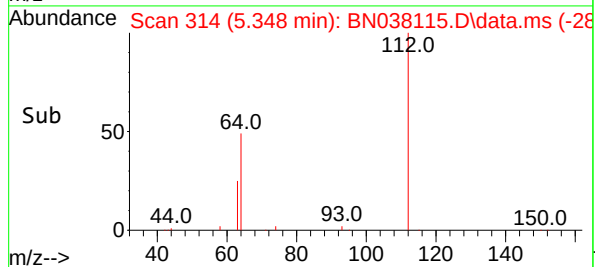
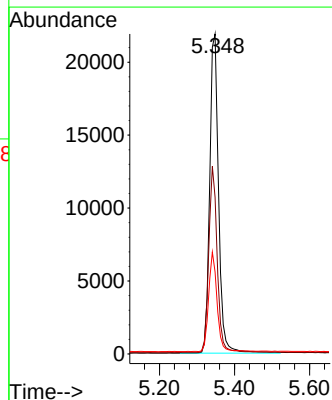
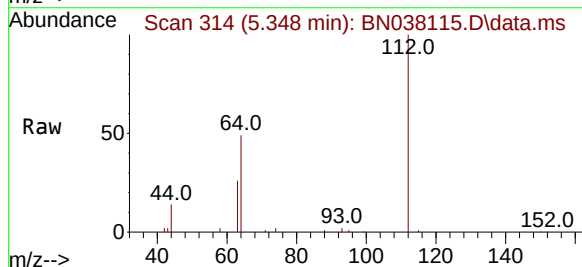
Instrument :
BNA_N
ClientSampleId :
SSTDICC1.6

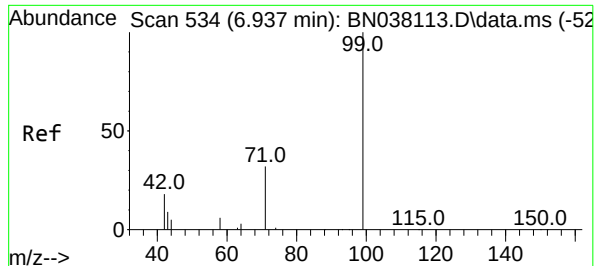
Tgt Ion: 42 Resp: 21596
Ion Ratio Lower Upper
42 100
74 115.8 96.8 145.2
44 6.3 5.3 7.9



#4
2-Fluorophenol
Concen: 1.560 ng
RT: 5.348 min Scan# 314
Delta R.T. 0.000 min
Lab File: BN038115.D
Acq: 28 Oct 2025 15:25

Tgt Ion: 112 Resp: 36286
Ion Ratio Lower Upper
112 100
64 56.2 45.4 68.0
63 29.9 23.2 34.8





#5

Phenol-d6

Concen: 1.576 ng

RT: 6.937 min Scan# 51

Delta R.T. 0.000 min

Lab File: BN038115.D

Acq: 28 Oct 2025 15:25

Instrument :

BNA_N

ClientSampleId :

SSTDICC1.6

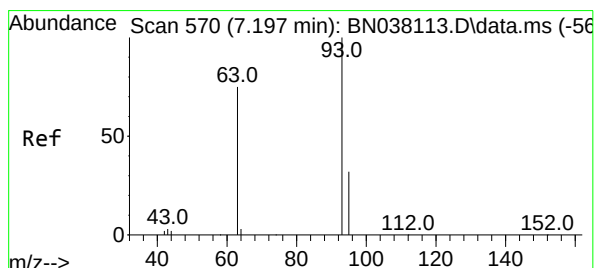
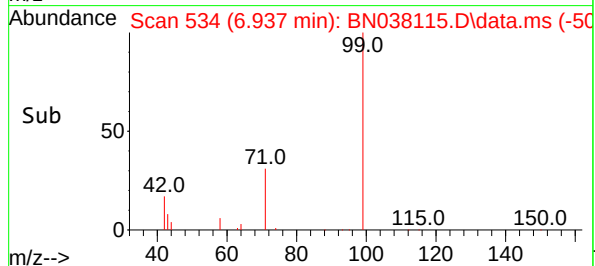
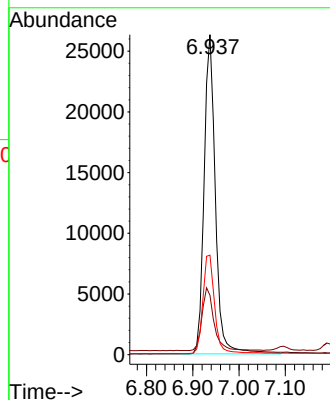
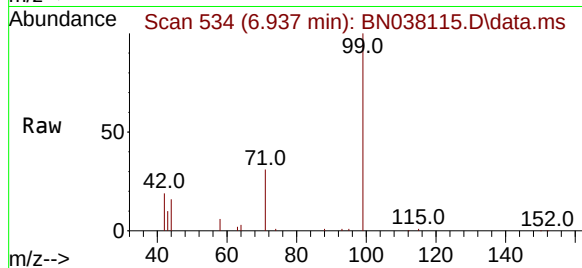
Tgt Ion: 99 Resp: 44651

Ion Ratio Lower Upper

99 100

42 20.8 16.6 24.8

71 32.5 25.4 38.2



#6

bis(2-Chloroethyl)ether

Concen: 1.628 ng

RT: 7.197 min Scan# 570

Delta R.T. 0.000 min

Lab File: BN038115.D

Acq: 28 Oct 2025 15:25

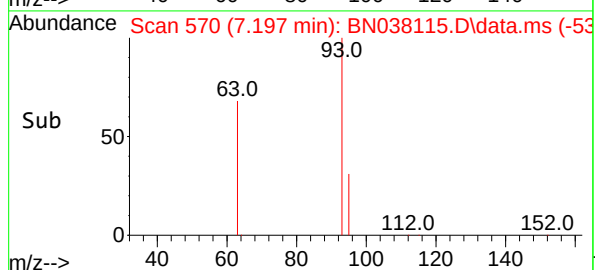
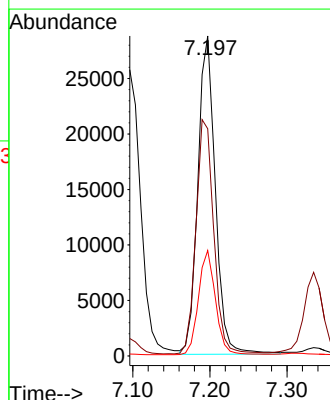
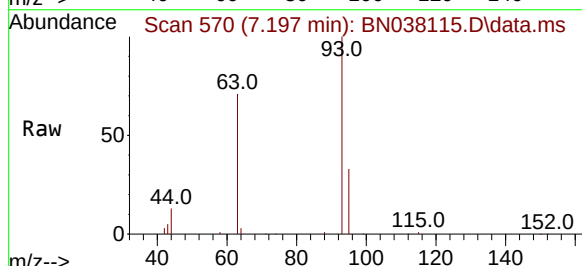
Tgt Ion: 93 Resp: 45315

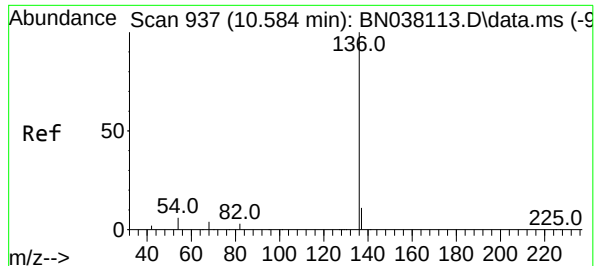
Ion Ratio Lower Upper

93 100

63 74.8 59.3 88.9

95 31.9 25.2 37.8





#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.584 min Scan# 91

Delta R.T. 0.011 min

Lab File: BN038115.D

Acq: 28 Oct 2025 15:25

Instrument :

BNA_N

ClientSampleId :

SSTDICC1.6

Tgt Ion:136 Resp: 29279

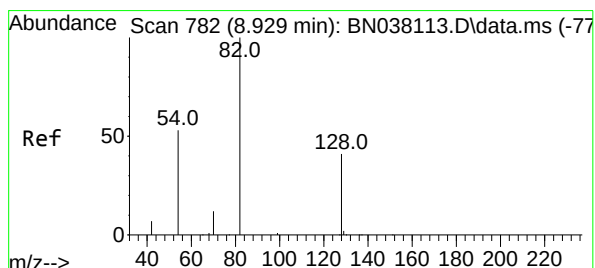
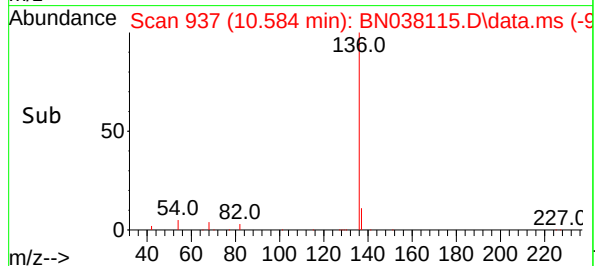
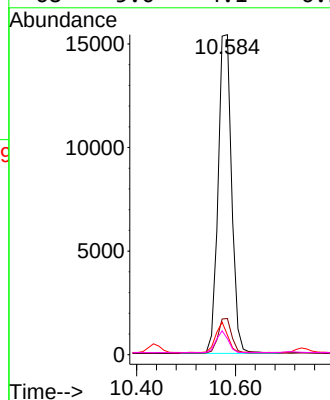
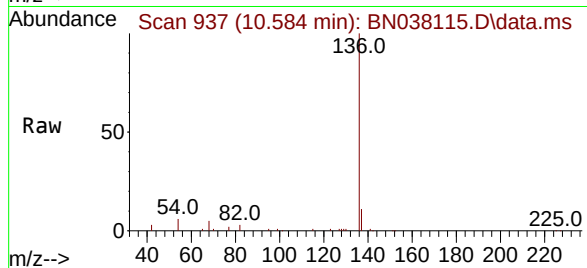
Ion Ratio Lower Upper

136 100

137 11.3 9.0 13.4

54 6.1 5.2 7.8

68 5.0 4.1 6.1



#8

Nitrobenzene-d5

Concen: 1.566 ng

RT: 8.929 min Scan# 782

Delta R.T. 0.000 min

Lab File: BN038115.D

Acq: 28 Oct 2025 15:25

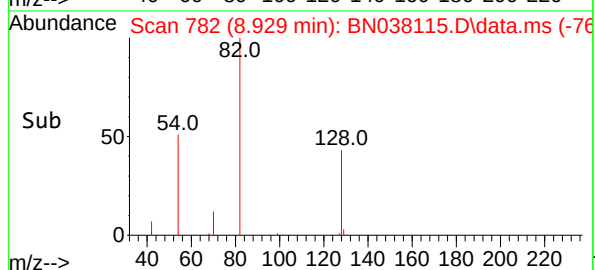
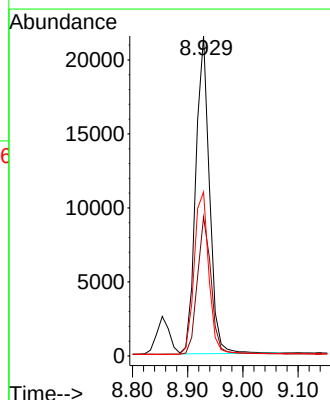
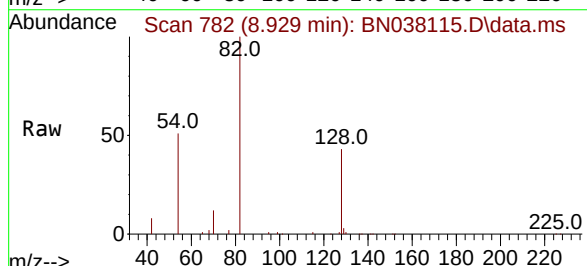
Tgt Ion: 82 Resp: 36991

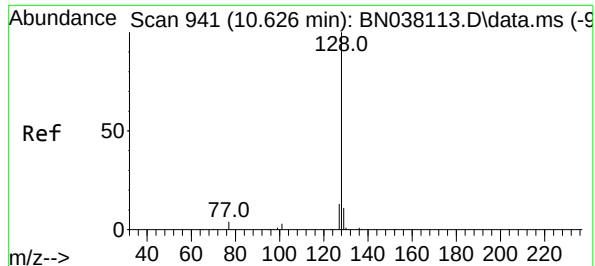
Ion Ratio Lower Upper

82 100

128 43.5 34.1 51.1

54 51.3 43.5 65.3



#9
Naphthalene

Concen: 1.634 ng

RT: 10.626 min Scan# 941

Delta R.T. 0.000 min

Lab File: BN038115.D

Acq: 28 Oct 2025 15:25

Instrument :

BNA_N

ClientSampleId :

SSTDICC1.6

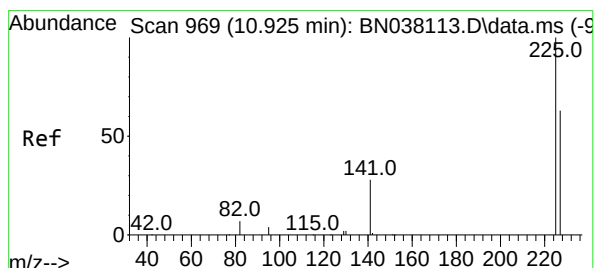
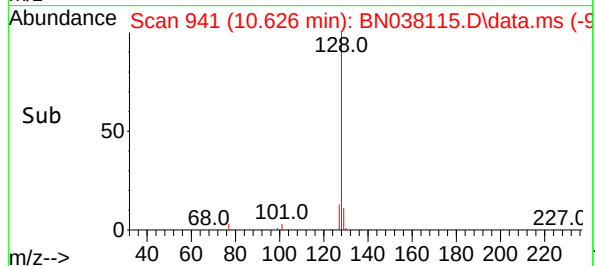
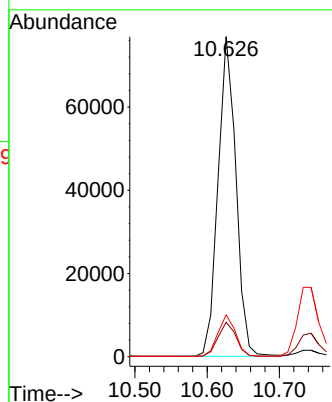
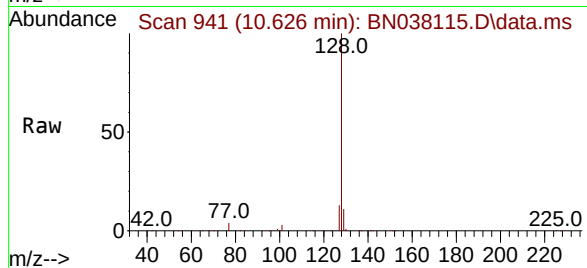
Tgt Ion:128 Resp: 131755

Ion Ratio Lower Upper

128 100

129 10.8 9.1 13.7

127 13.1 10.5 15.7



#10

Hexachlorobutadiene

Concen: 1.617 ng

RT: 10.925 min Scan# 969

Delta R.T. 0.000 min

Lab File: BN038115.D

Acq: 28 Oct 2025 15:25

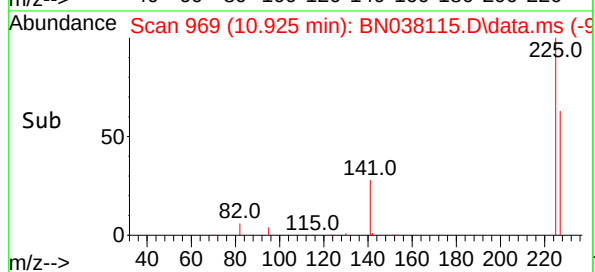
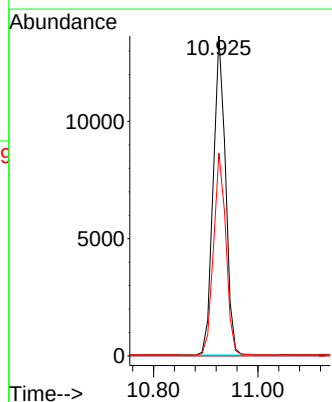
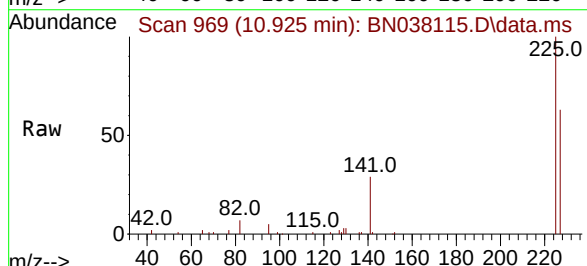
Tgt Ion:225 Resp: 22006

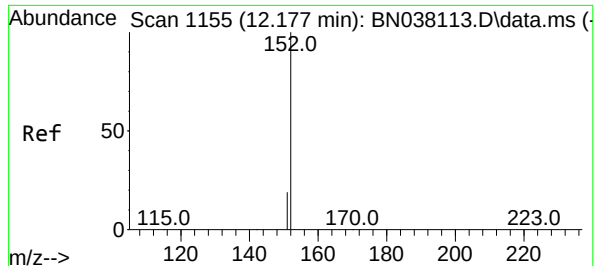
Ion Ratio Lower Upper

225 100

223 0.0 0.0 0.0

227 63.8 50.3 75.5

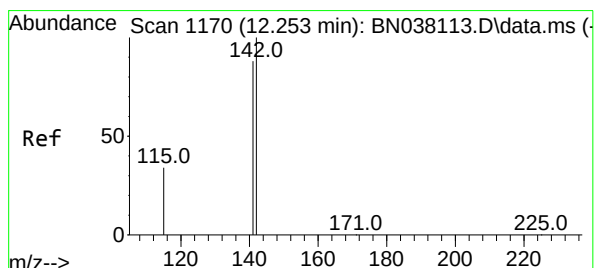
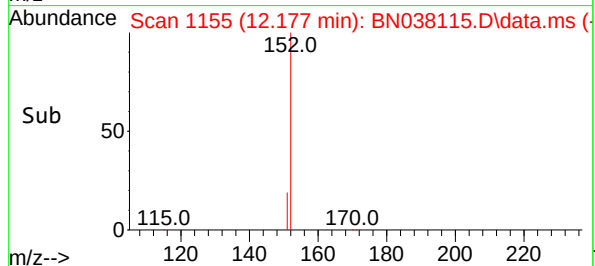
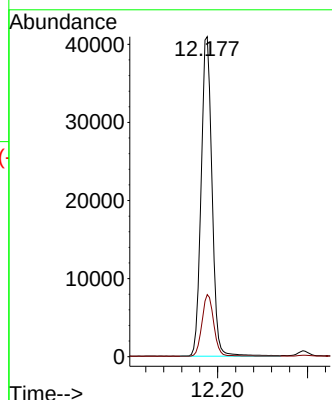
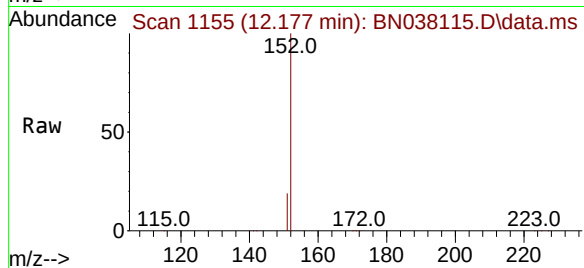




#11
2-Methylnaphthalene-d10
Concen: 1.642 ng
RT: 12.177 min Scan# 1155
Delta R.T. 0.000 min
Lab File: BN038115.D
Acq: 28 Oct 2025 15:25

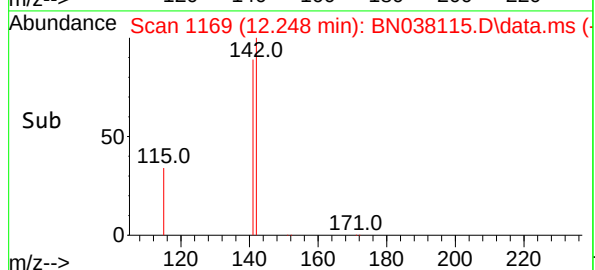
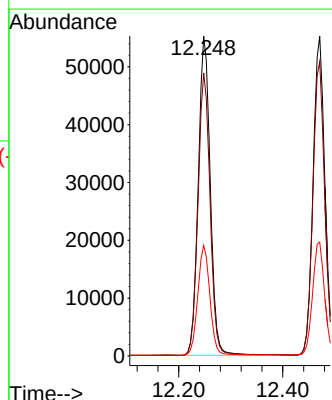
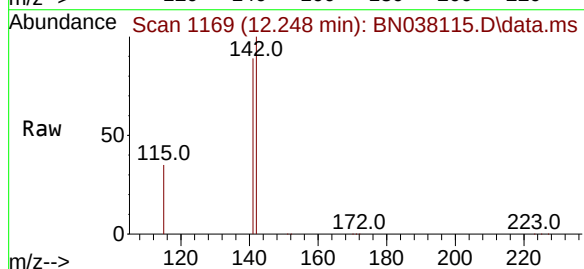
Instrument :
BNA_N
ClientSampleId :
SSTDICC1.6

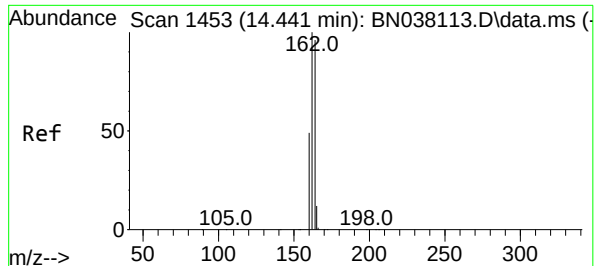
Tgt Ion:152 Resp: 68673
Ion Ratio Lower Upper
152 100
151 20.9 16.8 25.2



#12
2-Methylnaphthalene
Concen: 1.649 ng
RT: 12.248 min Scan# 1169
Delta R.T. 0.000 min
Lab File: BN038115.D
Acq: 28 Oct 2025 15:25

Tgt Ion:142 Resp: 88687
Ion Ratio Lower Upper
142 100
141 88.5 70.3 105.5
115 34.6 27.8 41.6

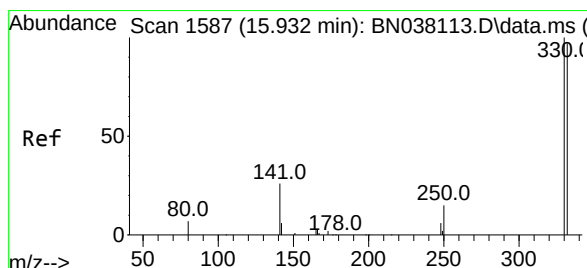
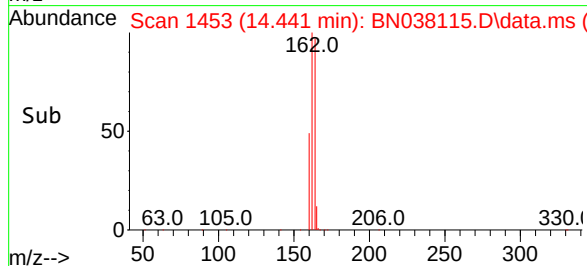
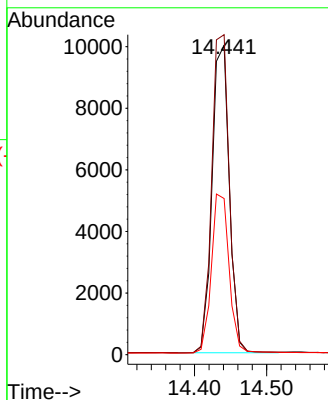
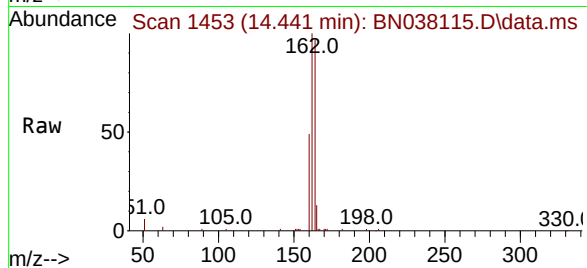




#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.441 min Scan# 1453
Delta R.T. 0.011 min
Lab File: BN038115.D
Acq: 28 Oct 2025 15:25

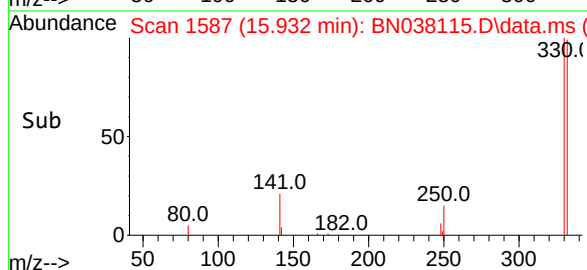
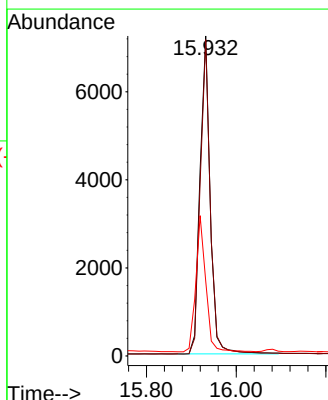
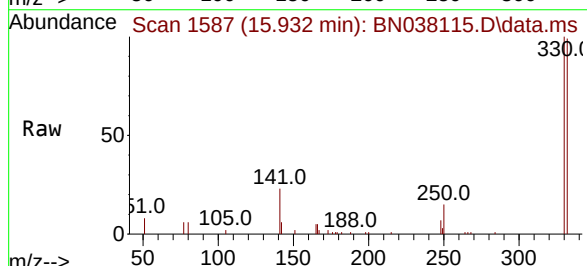
Instrument :
BNA_N
ClientSampleId :
SSTDICC1.6

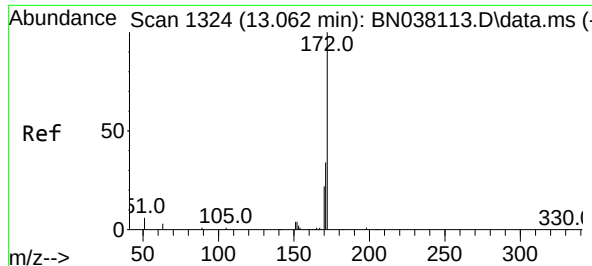
Tgt Ion	Ratio	Lower	Upper
164	100		
162	103.5	83.0	124.4
160	50.5	40.7	61.1



#14
2,4,6-Tribromophenol
Concen: 1.663 ng
RT: 15.932 min Scan# 1587
Delta R.T. 0.000 min
Lab File: BN038115.D
Acq: 28 Oct 2025 15:25

Tgt Ion	Ratio	Lower	Upper
330	100		
332	97.4	76.6	114.8
141	41.9	34.1	51.1

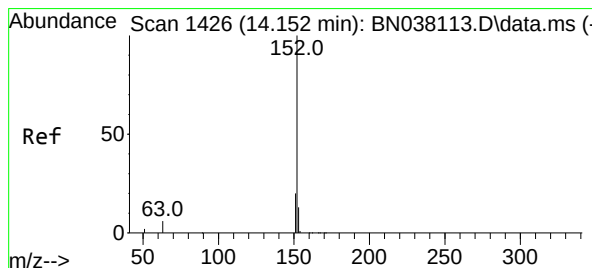
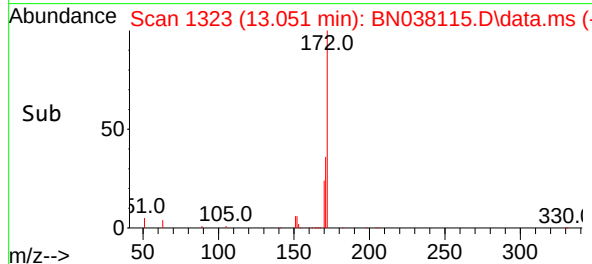
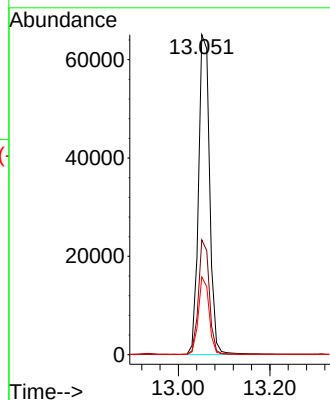
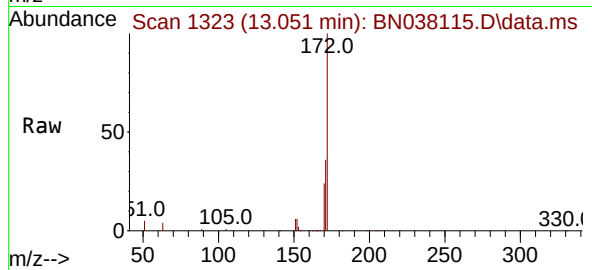




#15
2-Fluorobiphenyl
Concen: 1.613 ng
RT: 13.051 min Scan# 1323
Delta R.T. 0.000 min
Lab File: BN038115.D
Acq: 28 Oct 2025 15:25

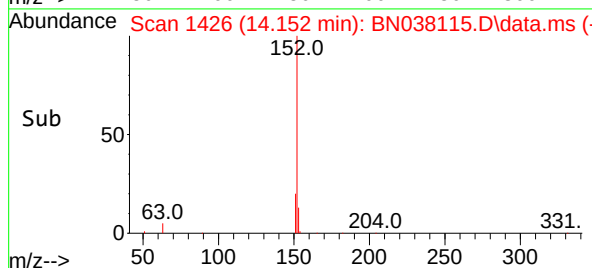
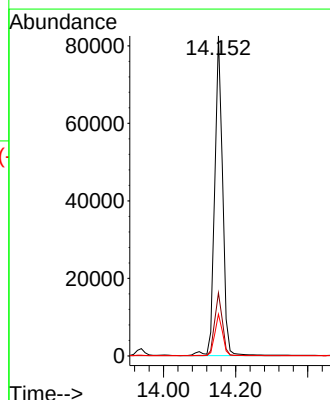
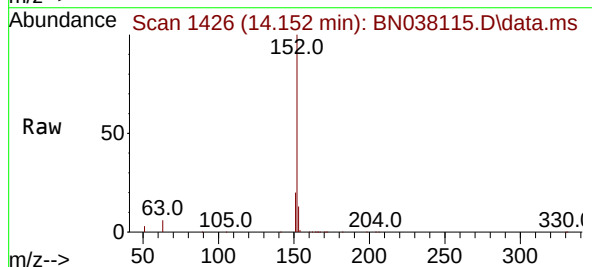
Instrument :
BNA_N
ClientSampleId :
SSTDICC1.6

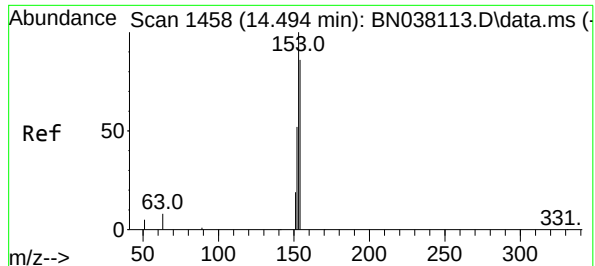
Tgt Ion:172 Resp: 107386
Ion Ratio Lower Upper
172 100
171 35.9 27.8 41.6
170 24.3 18.1 27.1



#16
Acenaphthylene
Concen: 1.671 ng
RT: 14.152 min Scan# 1426
Delta R.T. 0.000 min
Lab File: BN038115.D
Acq: 28 Oct 2025 15:25

Tgt Ion:152 Resp: 125798
Ion Ratio Lower Upper
152 100
151 19.4 15.8 23.8
153 13.0 10.2 15.2

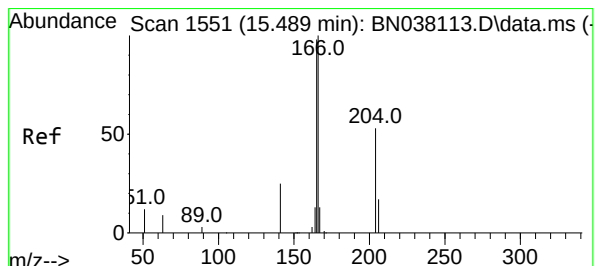
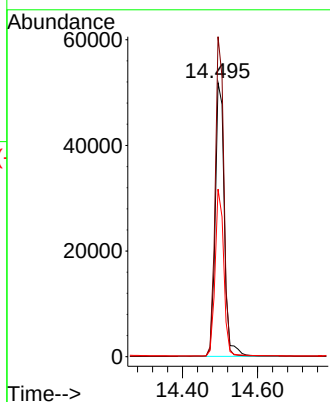
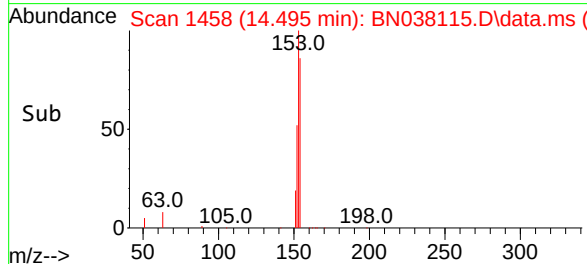
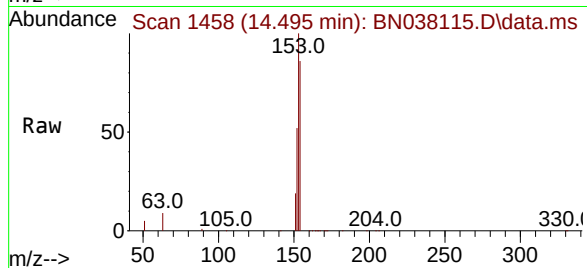




#17
Acenaphthene
Concen: 1.664 ng
RT: 14.495 min Scan# 1458
Delta R.T. 0.000 min
Lab File: BN038115.D
Acq: 28 Oct 2025 15:25

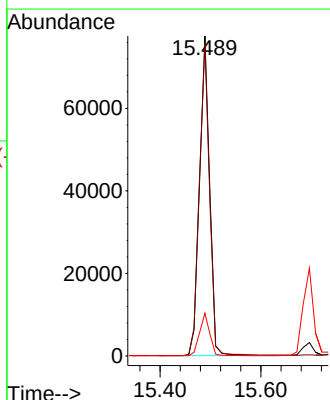
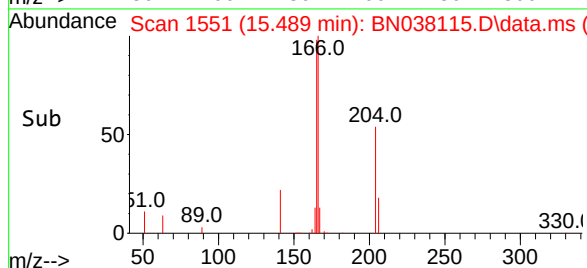
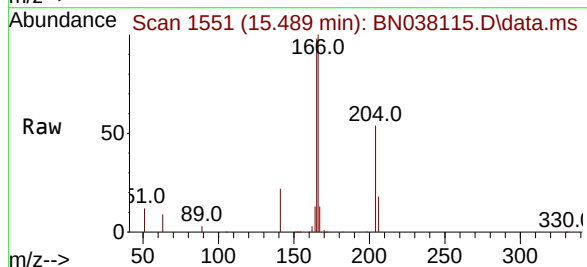
Instrument :
BNA_N
ClientSampleId :
SSTDICC1.6

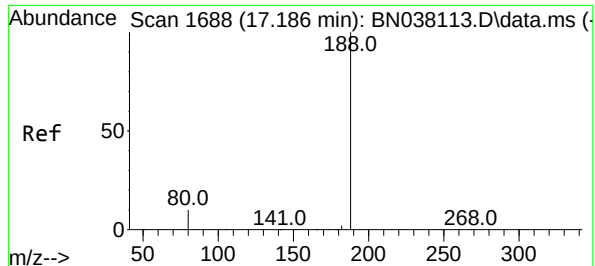
Tgt Ion:154 Resp: 87659
Ion Ratio Lower Upper
154 100
153 110.3 90.0 135.0
152 57.5 47.3 70.9



#18
Fluorene
Concen: 1.703 ng
RT: 15.489 min Scan# 1551
Delta R.T. -0.000 min
Lab File: BN038115.D
Acq: 28 Oct 2025 15:25

Tgt Ion:166 Resp: 117574
Ion Ratio Lower Upper
166 100
165 98.4 79.0 118.4
167 13.2 10.7 16.1





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 17.186 min Scan# 1

Delta R.T. 0.000 min

Lab File: BN038115.D

Acq: 28 Oct 2025 15:25

Instrument :

BNA_N

ClientSampleId :

SSTDICC1.6

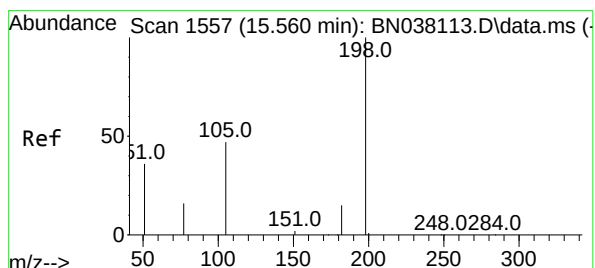
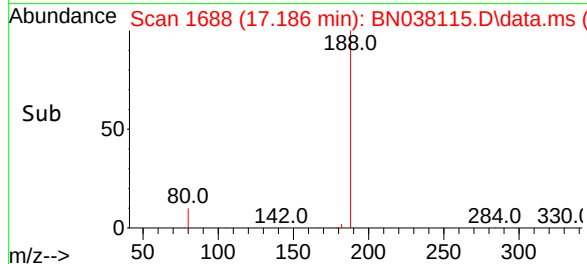
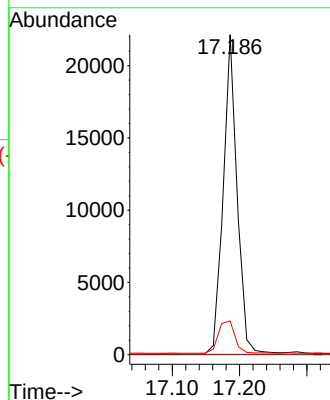
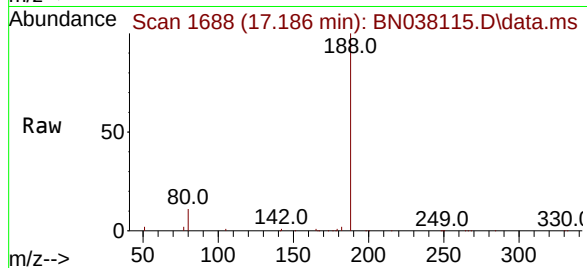
Tgt Ion:188 Resp: 31469

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

80 10.6 8.6 13.0



#20

4,6-Dinitro-2-methylphenol

Concen: 1.534 ng

RT: 15.560 min Scan# 1557

Delta R.T. -0.000 min

Lab File: BN038115.D

Acq: 28 Oct 2025 15:25

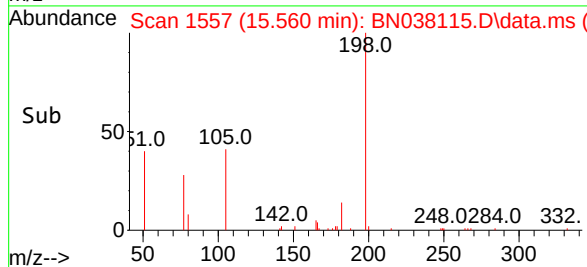
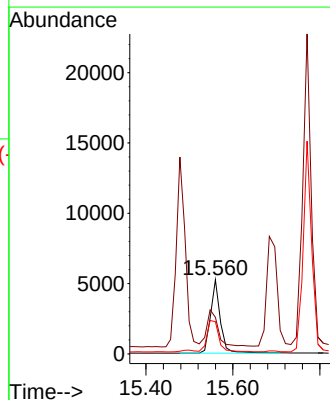
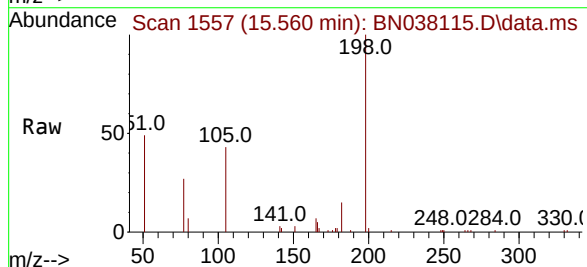
Tgt Ion:198 Resp: 7997

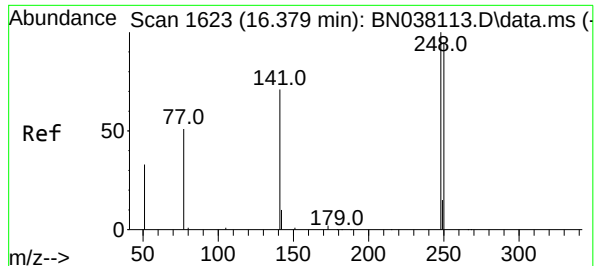
Ion Ratio Lower Upper

198 100

51 49.4 88.9 133.3#

105 43.5 49.2 73.8#

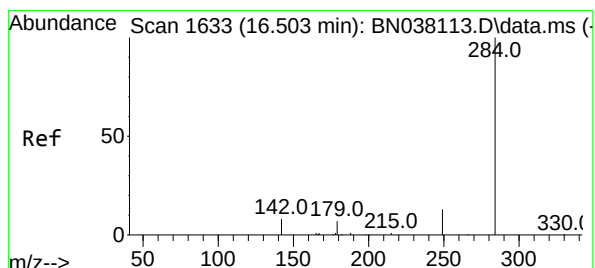
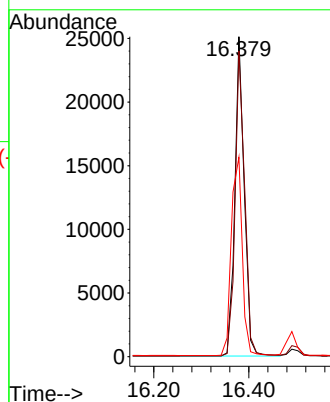
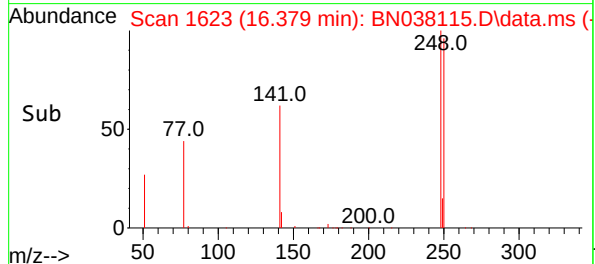
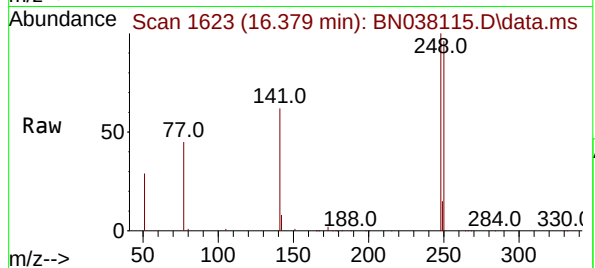




#21
4-Bromophenyl-phenylether
Concen: 1.669 ng
RT: 16.379 min Scan# 1623
Delta R.T. 0.000 min
Lab File: BN038115.D
Acq: 28 Oct 2025 15:25

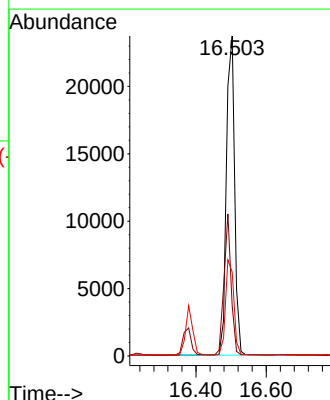
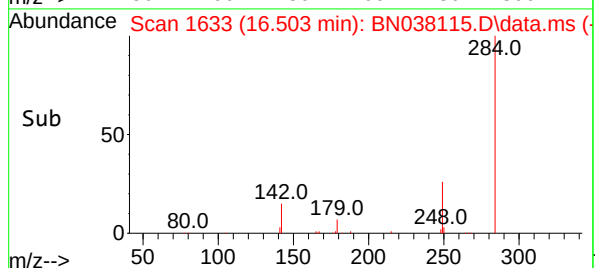
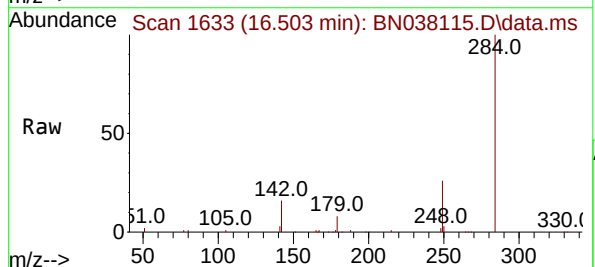
Instrument :
BNA_N
ClientSampleId :
SSTDICC1.6

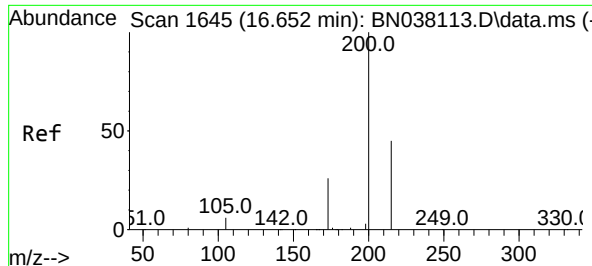
Tgt Ion:248 Resp: 34434
Ion Ratio Lower Upper
248 100
250 95.6 76.2 114.2
141 62.3 57.6 86.4



#22
Hexachlorobenzene
Concen: 1.642 ng
RT: 16.503 min Scan# 1633
Delta R.T. 0.000 min
Lab File: BN038115.D
Acq: 28 Oct 2025 15:25

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

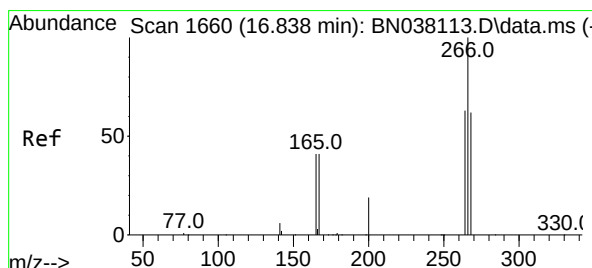
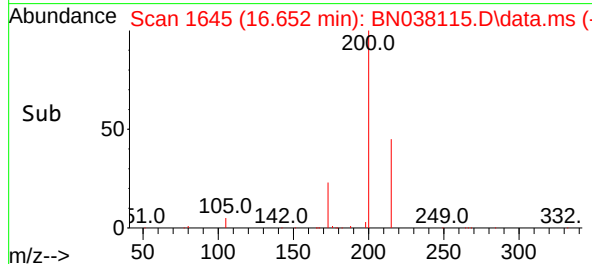
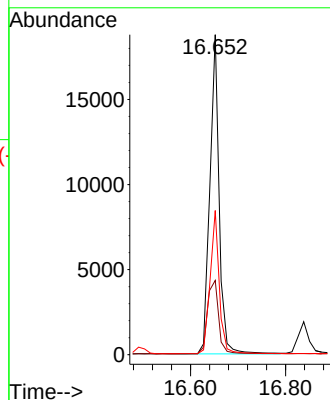
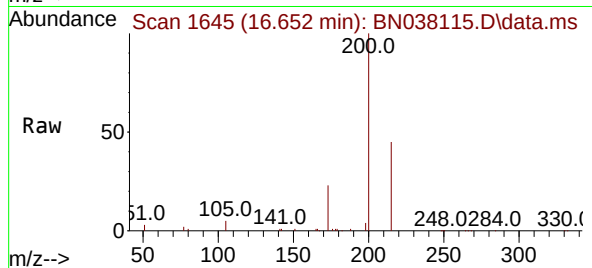




#23
Atrazine
Concen: 1.693 ng
RT: 16.652 min Scan# 1645
Delta R.T. 0.000 min
Lab File: BN038115.D
Acq: 28 Oct 2025 15:25

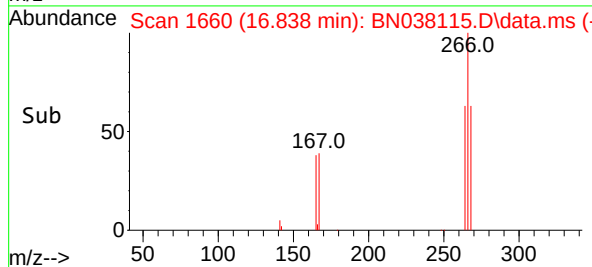
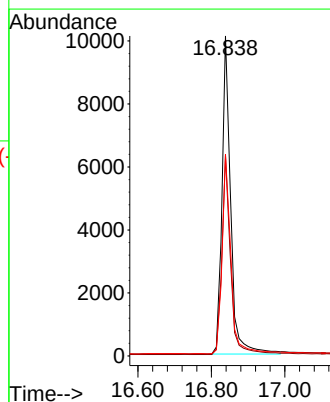
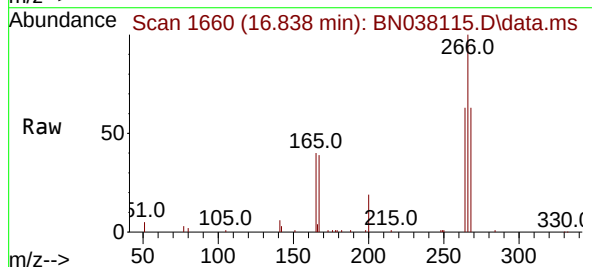
Instrument :
BNA_N
ClientSampleId :
SSTDICC1.6

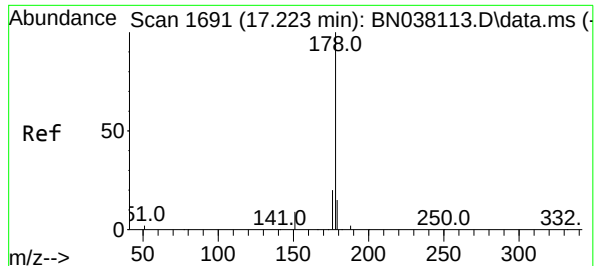
Tgt Ion	Ratio	Lower	Upper
200	100		
173	23.2	21.4	32.2
215	45.1	36.7	55.1



#24
Pentachlorophenol
Concen: 1.646 ng
RT: 16.838 min Scan# 1660
Delta R.T. 0.000 min
Lab File: BN038115.D
Acq: 28 Oct 2025 15:25

Tgt Ion	Ratio	Lower	Upper
266	100		
264	62.5	49.3	73.9
268	63.5	50.6	75.8

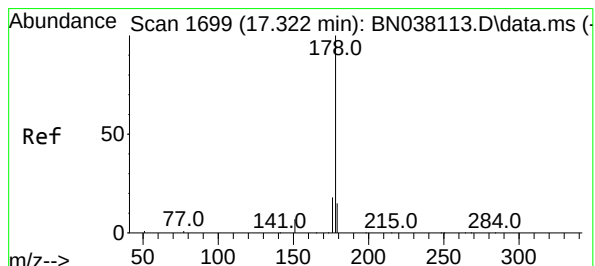
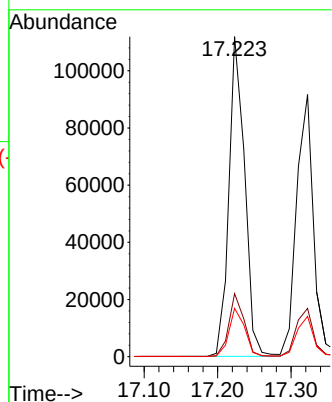
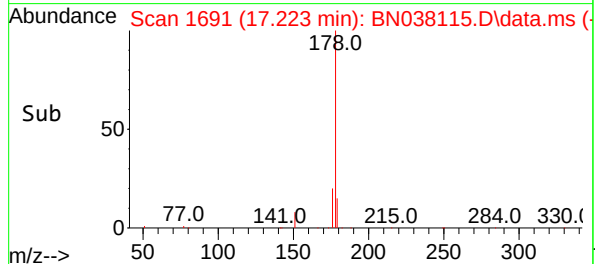
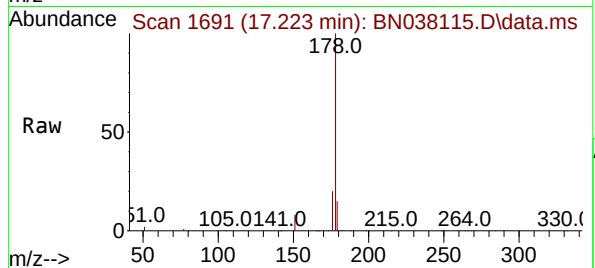




#25
Phenanthrene
Concen: 1.671 ng
RT: 17.223 min Scan# 1691
Delta R.T. 0.000 min
Lab File: BN038115.D
Acq: 28 Oct 2025 15:25

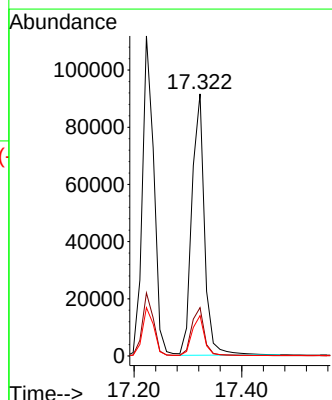
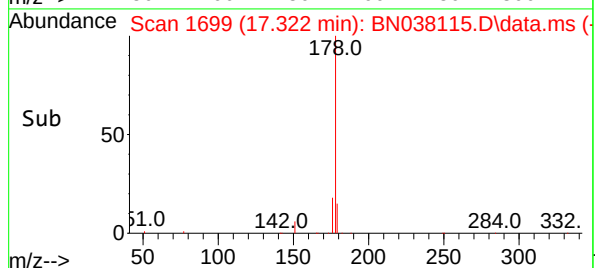
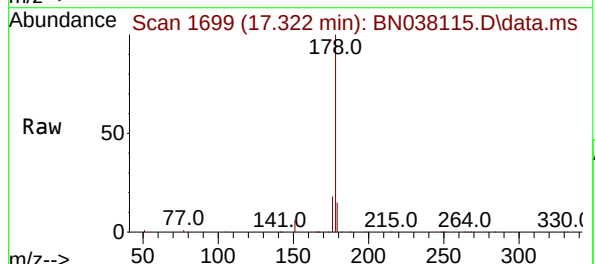
Instrument :
BNA_N
ClientSampleId :
SSTDICC1.6

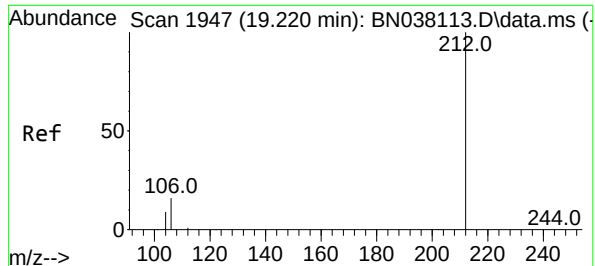
Tgt Ion:178 Resp: 166989
Ion Ratio Lower Upper
178 100
176 19.2 15.5 23.3
179 15.2 12.2 18.4



#26
Anthracene
Concen: 1.702 ng
RT: 17.322 min Scan# 1699
Delta R.T. 0.000 min
Lab File: BN038115.D
Acq: 28 Oct 2025 15:25

Tgt Ion:178 Resp: 148754
Ion Ratio Lower Upper
178 100
176 18.6 14.9 22.3
179 15.2 11.8 17.8





#27

Fluoranthene-d10

Concen: 1.665 ng

RT: 19.220 min Scan# 1947

Delta R.T. 0.000 min

Lab File: BN038115.D

Acq: 28 Oct 2025 15:25

Instrument :

BNA_N

ClientSampleId :

SSTDICC1.6

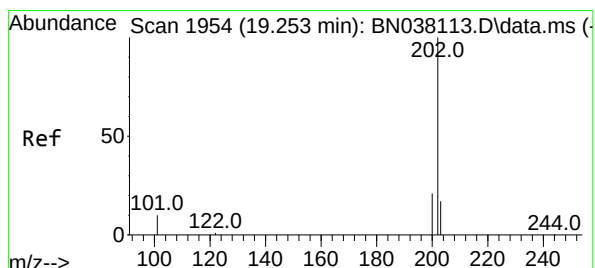
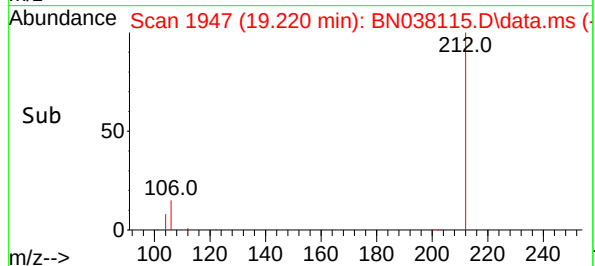
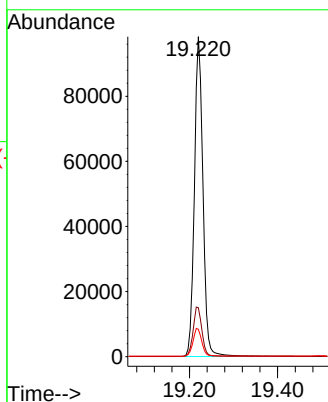
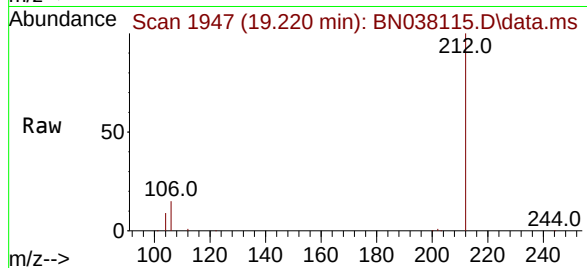
Tgt Ion:212 Resp: 132146

Ion Ratio Lower Upper

212 100

106 16.0 12.6 19.0

104 8.9 7.1 10.7



#28

Fluoranthene

Concen: 1.682 ng

RT: 19.253 min Scan# 1954

Delta R.T. 0.000 min

Lab File: BN038115.D

Acq: 28 Oct 2025 15:25

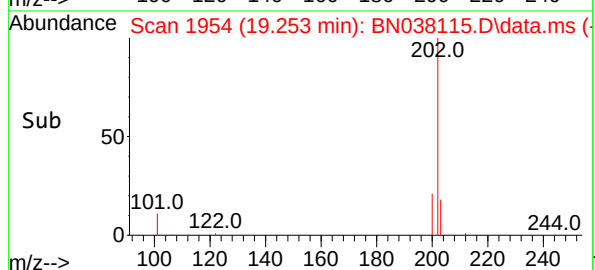
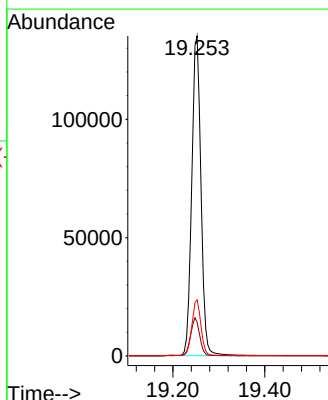
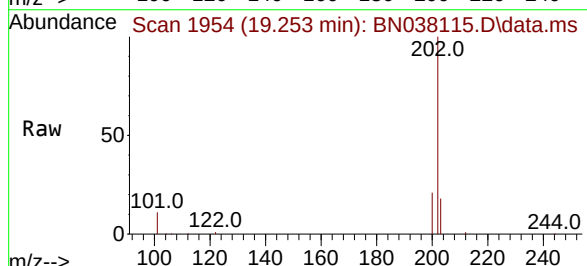
Tgt Ion:202 Resp: 187774

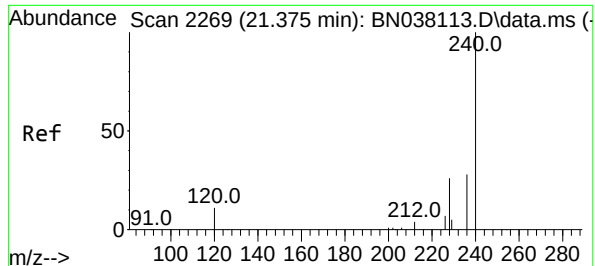
Ion Ratio Lower Upper

202 100

101 11.9 9.4 14.2

203 17.2 13.4 20.2





#29

Chrysene-d12

Concen: 0.400 ng

RT: 21.375 min Scan# 21

Delta R.T. 0.000 min

Lab File: BN038115.D

Acq: 28 Oct 2025 15:25

Instrument :

BNA_N

ClientSampleId :

SSTDICC1.6

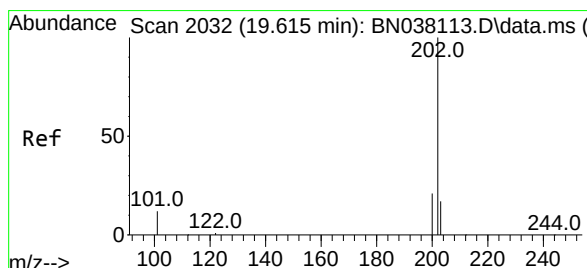
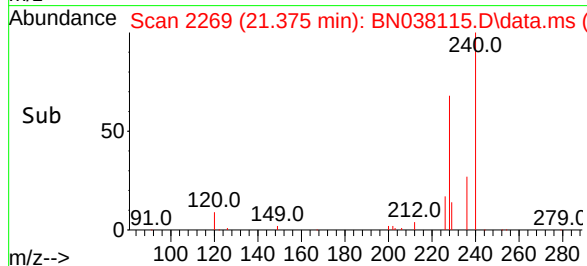
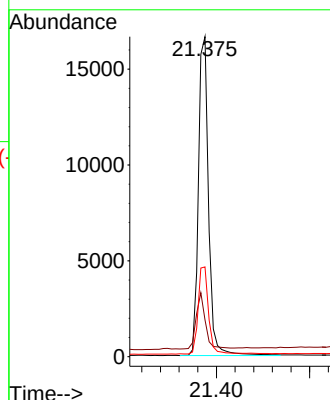
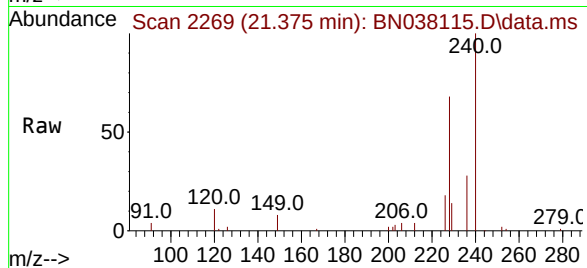
Tgt Ion:240 Resp: 25173

Ion Ratio Lower Upper

240 100

120 11.5 10.7 16.1

236 28.0 23.1 34.7



#30

Pyrene

Concen: 1.626 ng

RT: 19.610 min Scan# 2031

Delta R.T. 0.000 min

Lab File: BN038115.D

Acq: 28 Oct 2025 15:25

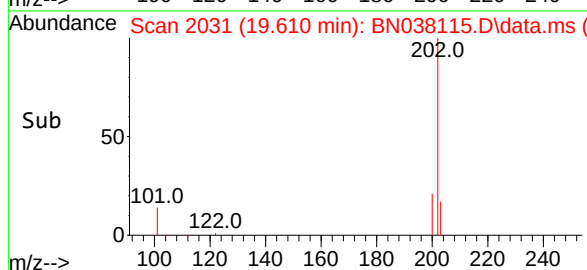
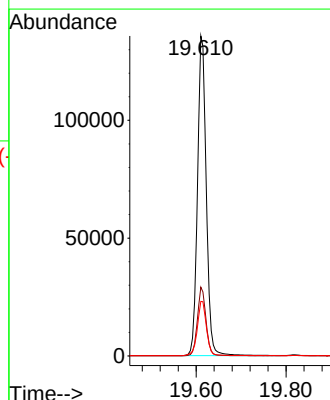
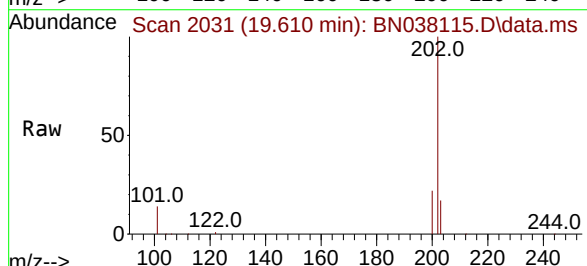
Tgt Ion:202 Resp: 184735

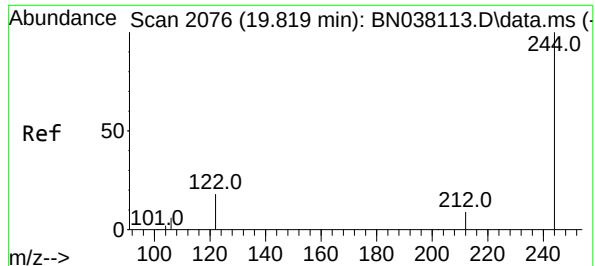
Ion Ratio Lower Upper

202 100

200 21.0 16.7 25.1

203 17.7 14.2 21.2

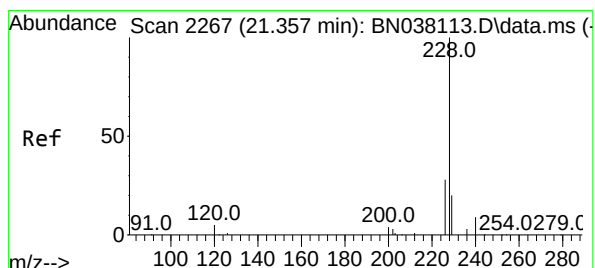
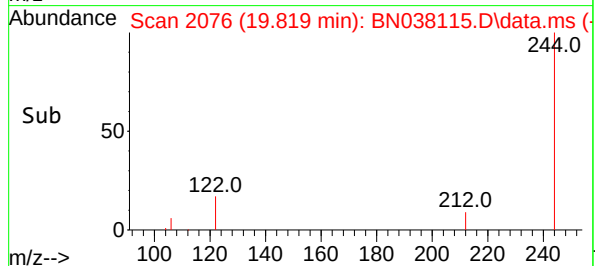
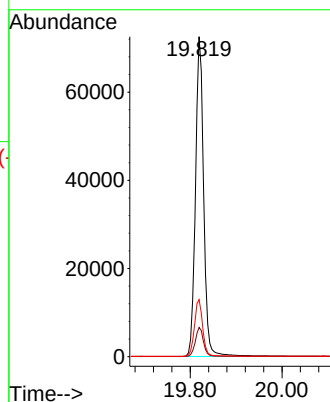
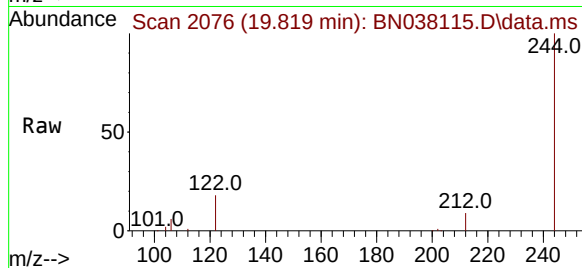




#31
Terphenyl-d14
Concen: 1.642 ng
RT: 19.819 min Scan# 2076
Delta R.T. 0.000 min
Lab File: BN038115.D
Acq: 28 Oct 2025 15:25

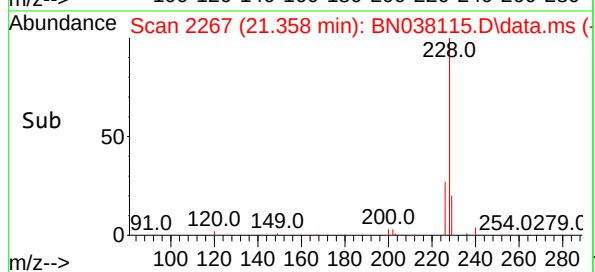
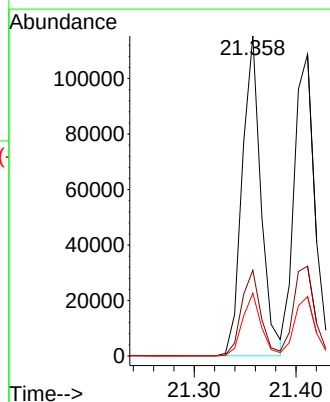
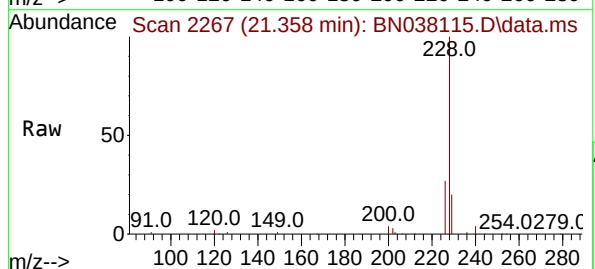
Instrument :
BNA_N
ClientSampleId :
SSTDICC1.6

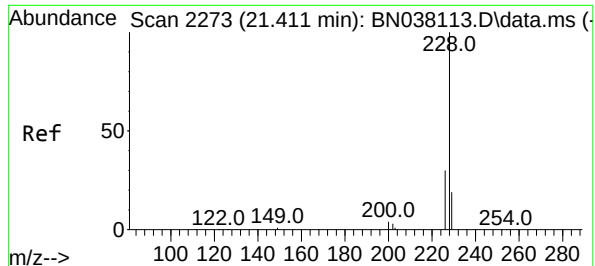
Tgt Ion:244 Resp: 89776
Ion Ratio Lower Upper
244 100
212 9.1 7.8 11.6
122 17.8 15.2 22.8



#32
Benzo(a)anthracene
Concen: 1.647 ng
RT: 21.358 min Scan# 2267
Delta R.T. 0.000 min
Lab File: BN038115.D
Acq: 28 Oct 2025 15:25

Tgt Ion:228 Resp: 147889
Ion Ratio Lower Upper
228 100
226 26.8 22.2 33.4
229 19.6 15.8 23.8





#33

Chrysene

Concen: 1.610 ng

RT: 21.411 min Scan# 21

Delta R.T. 0.000 min

Lab File: BN038115.D

Acq: 28 Oct 2025 15:25

Instrument :

BNA_N

ClientSampleId :

SSTDICC1.6

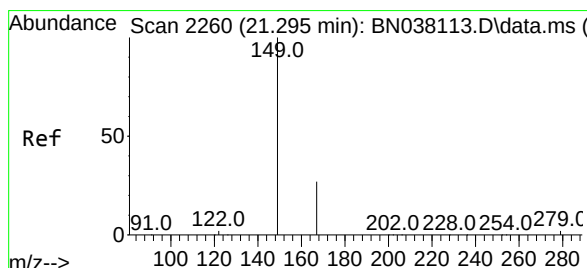
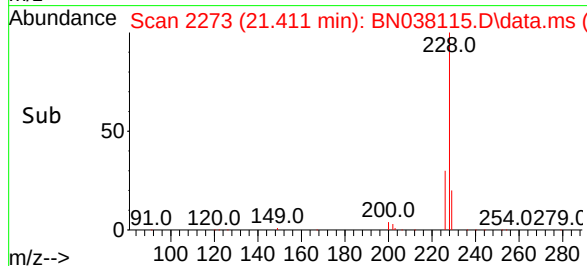
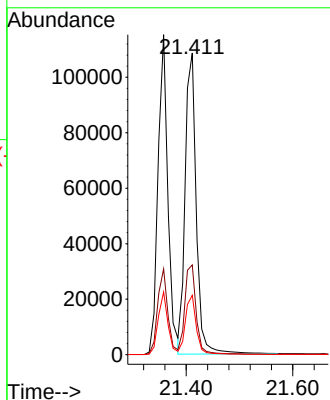
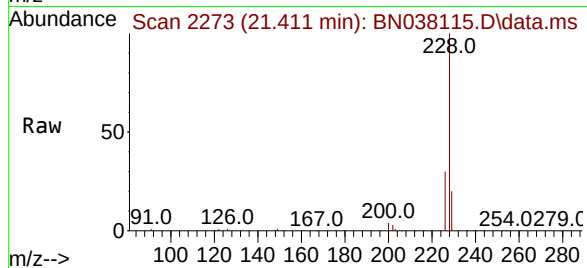
Tgt Ion:228 Resp: 156927

Ion Ratio Lower Upper

228 100

226 29.8 24.3 36.5

229 19.7 15.7 23.5



#34

Bis(2-ethylhexyl)phthalate

Concen: 1.535 ng

RT: 21.295 min Scan# 2260

Delta R.T. 0.000 min

Lab File: BN038115.D

Acq: 28 Oct 2025 15:25

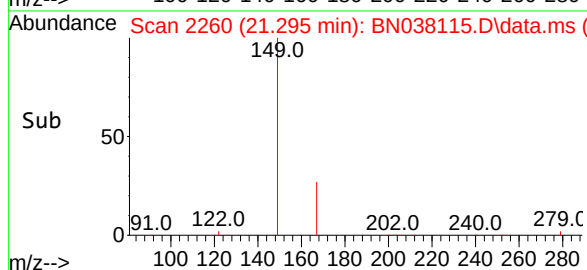
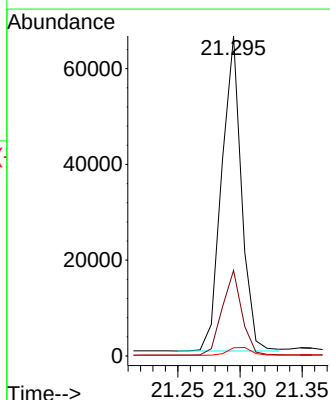
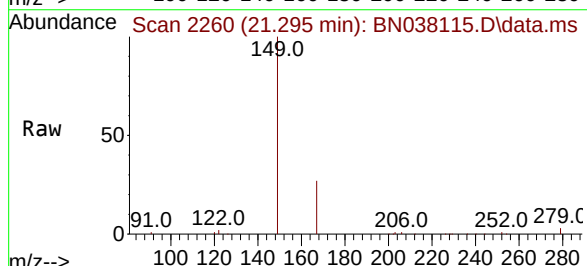
Tgt Ion:149 Resp: 72607

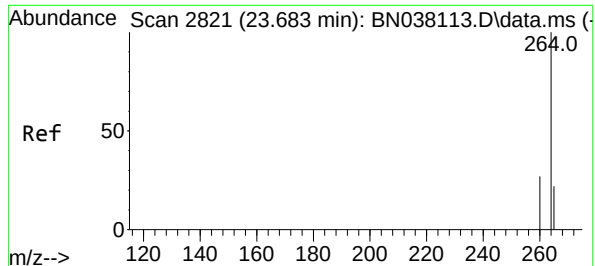
Ion Ratio Lower Upper

149 100

167 26.6 21.1 31.7

279 3.0 2.9 4.3





#35

Perylene-d12

Concen: 0.400 ng

RT: 23.680 min Scan# 21

Delta R.T. 0.000 min

Lab File: BN038115.D

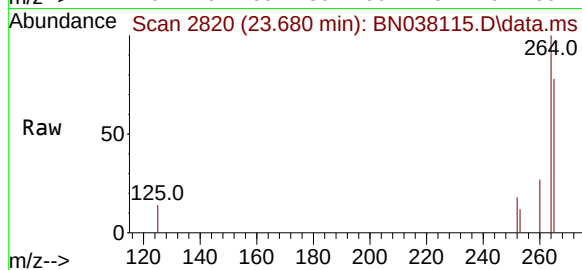
Acq: 28 Oct 2025 15:25

Instrument :

BNA_N

ClientSampleId :

SSTDICC1.6



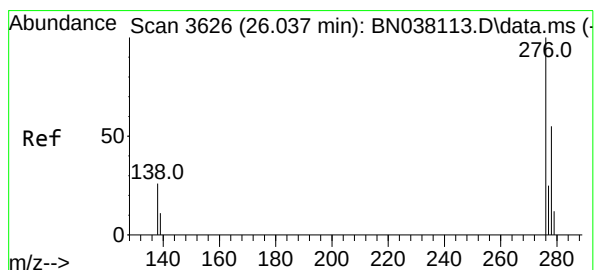
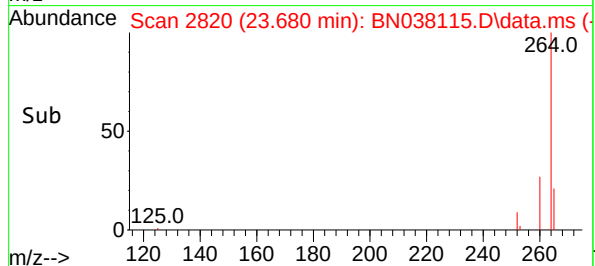
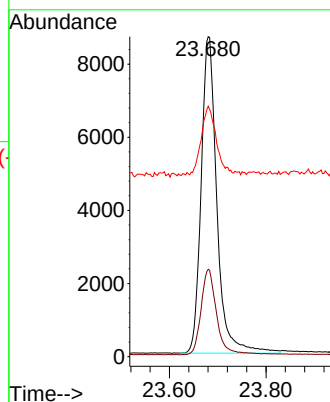
Tgt Ion:264 Resp: 19529

Ion Ratio Lower Upper

264 100

260 27.3 21.8 32.8

265 78.3 68.6 102.8



#36

Indeno(1,2,3-cd)pyrene

Concen: 1.685 ng

RT: 26.031 min Scan# 3624

Delta R.T. -0.003 min

Lab File: BN038115.D

Acq: 28 Oct 2025 15:25

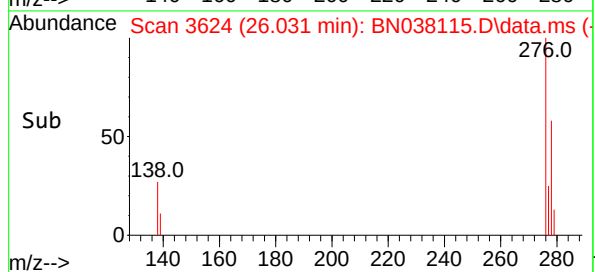
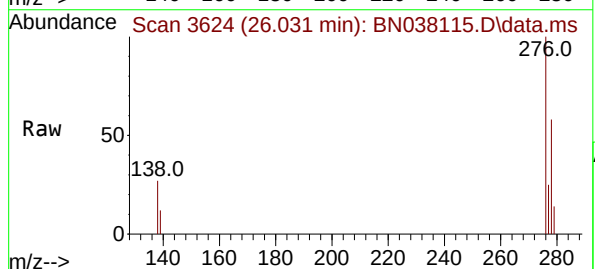
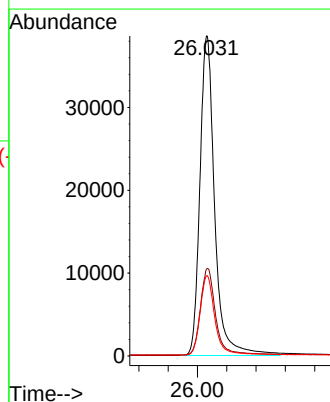
Tgt Ion:276 Resp: 135169

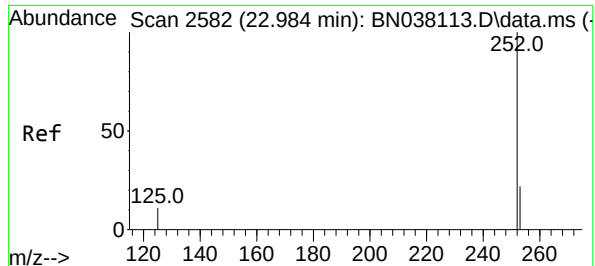
Ion Ratio Lower Upper

276 100

138 27.6 21.4 32.0

277 24.5 19.2 28.8





#37

Benzo(b)fluoranthene

Concen: 1.689 ng

RT: 22.981 min Scan# 2581

Delta R.T. 0.000 min

Lab File: BN038115.D

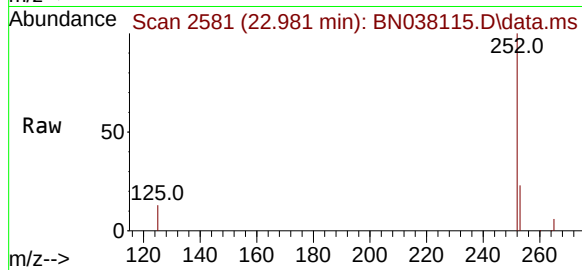
Acq: 28 Oct 2025 15:25

Instrument :

BNA_N

ClientSampleId :

SSTDICC1.6



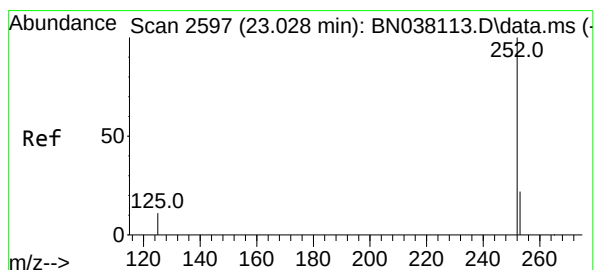
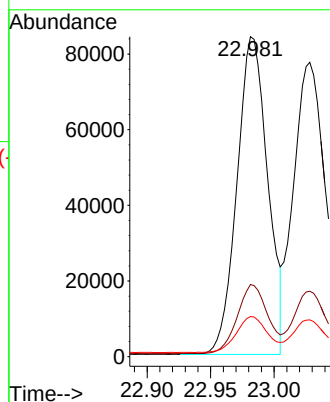
Tgt Ion:252 Resp: 141041

Ion Ratio Lower Upper

252 100

253 22.5 20.9 31.3

125 12.6 14.1 21.1#



#38

Benzo(k)fluoranthene

Concen: 1.702 ng

RT: 23.028 min Scan# 2597

Delta R.T. 0.000 min

Lab File: BN038115.D

Acq: 28 Oct 2025 15:25

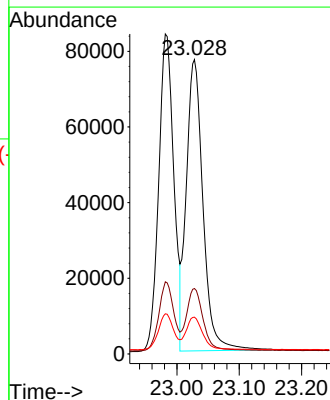
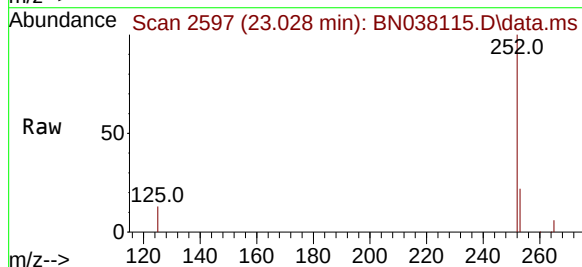
Tgt Ion:252 Resp: 143019

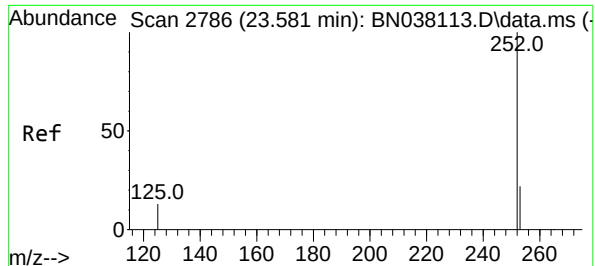
Ion Ratio Lower Upper

252 100

253 22.2 21.2 31.8

125 12.5 14.6 22.0#





#39

Benzo(a)pyrene

Concen: 1.660 ng

RT: 23.578 min Scan# 21

Delta R.T. 0.000 min

Lab File: BN038115.D

Acq: 28 Oct 2025 15:25

Instrument :

BNA_N

ClientSampleId :

SSTDICC1.6

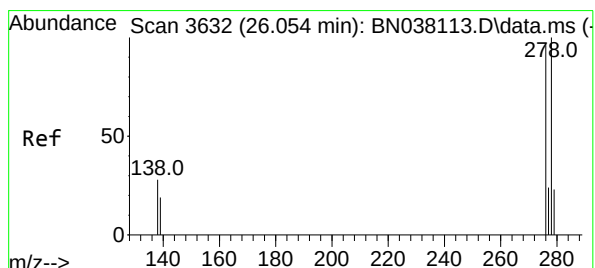
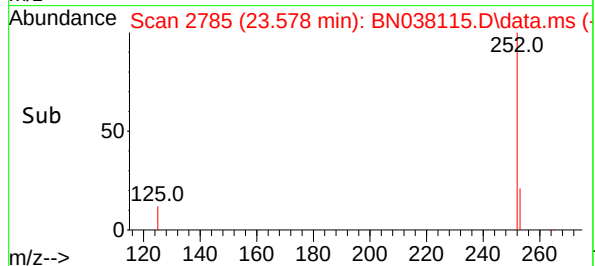
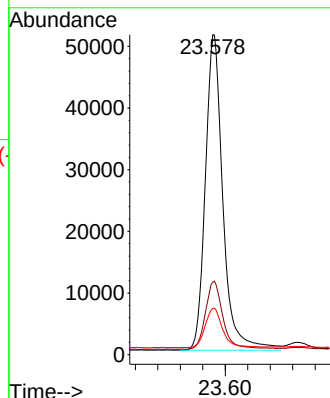
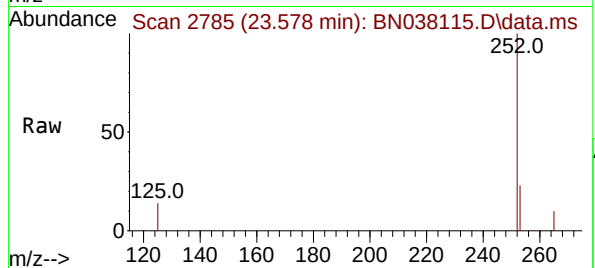
Tgt Ion:252 Resp: 110949

Ion Ratio Lower Upper

252 100

253 22.7 23.1 34.7#

125 14.4 18.6 28.0#



#40

Dibenzo(a,h)anthracene

Concen: 1.710 ng

RT: 26.048 min Scan# 3630

Delta R.T. 0.000 min

Lab File: BN038115.D

Acq: 28 Oct 2025 15:25

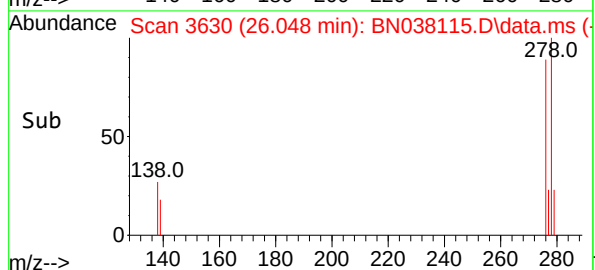
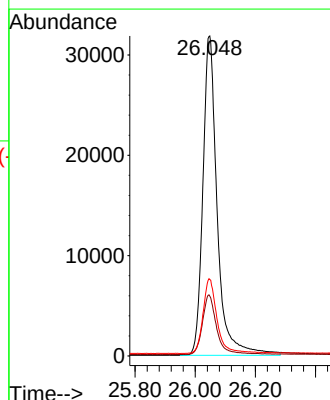
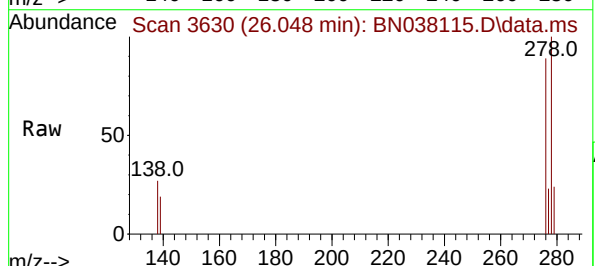
Tgt Ion:278 Resp: 105589

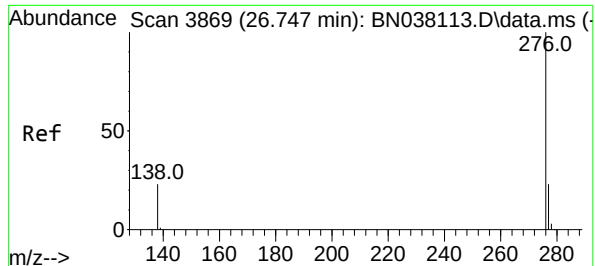
Ion Ratio Lower Upper

278 100

139 18.7 17.6 26.4

279 23.9 22.6 33.8





#41

Benzo(g,h,i)perylene

Concen: 1.660 ng

RT: 26.747 min Scan# 3869

Delta R.T. -0.003 min

Lab File: BN038115.D

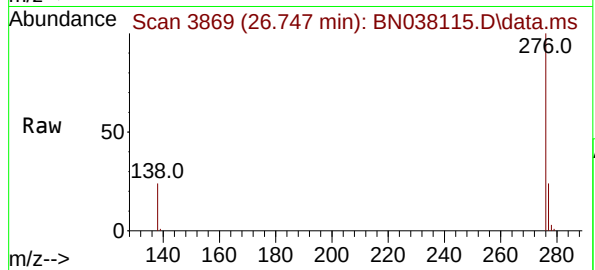
Acq: 28 Oct 2025 15:25

Instrument :

BNA_N

ClientSampleId :

SSTDICC1.6



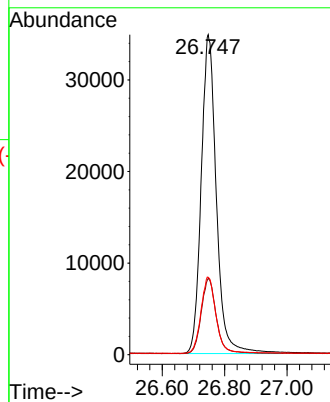
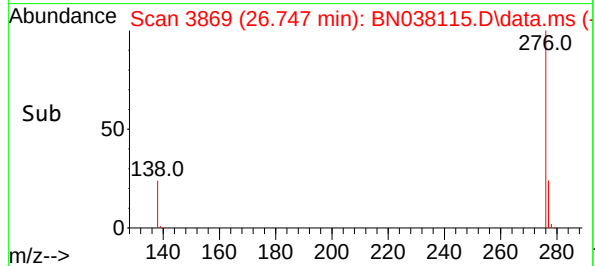
Tgt Ion:276 Resp: 117071

Ion Ratio Lower Upper

276 100

277 23.9 19.7 29.5

138 24.2 20.2 30.4



Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN102825\
 Data File : BN038116.D
 Acq On : 28 Oct 2025 16:02
 Operator : RC/JU
 Sample : SSTDICC3.2
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 SSTDICC3.2

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

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

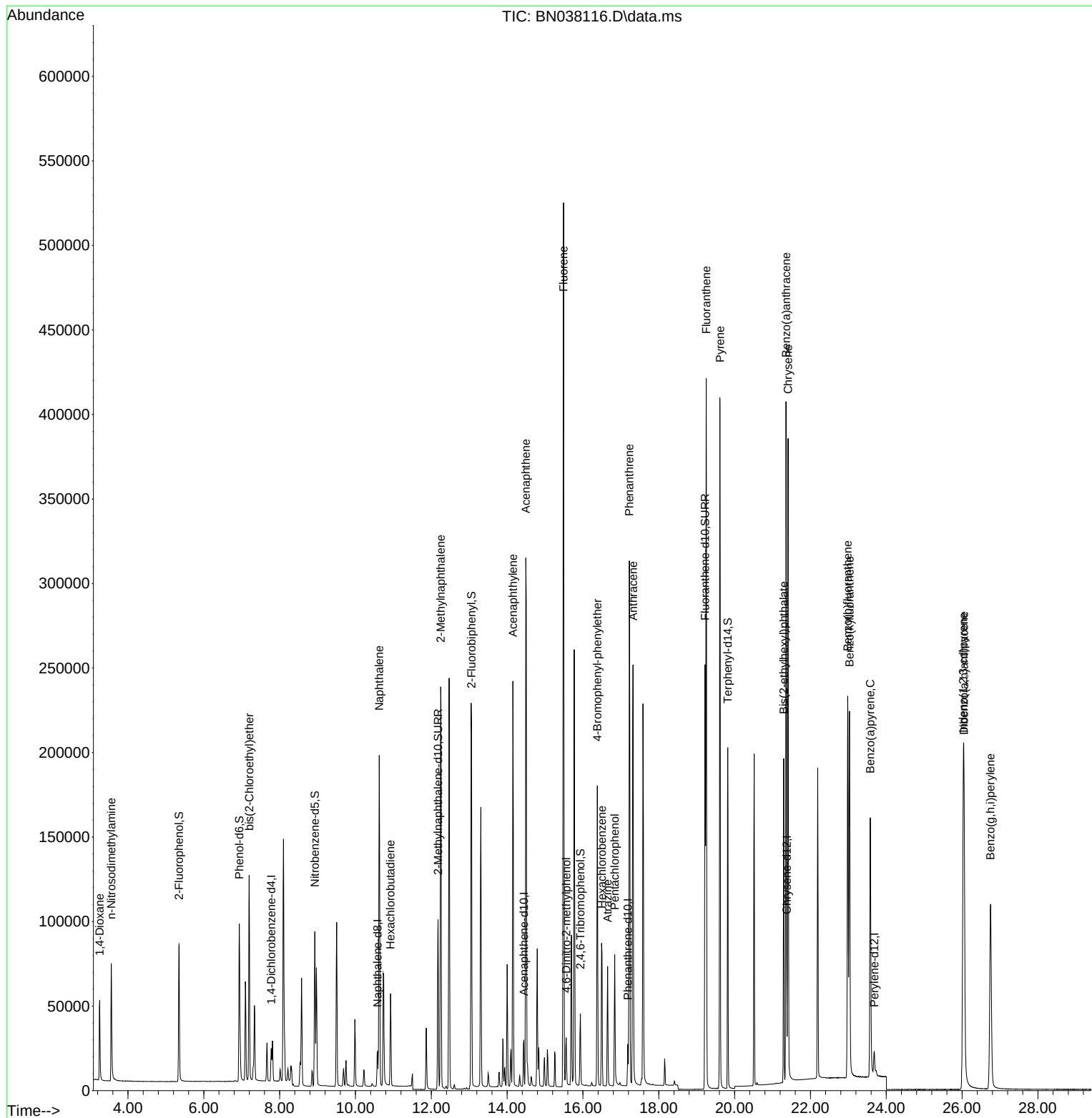
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.775	152	9743	0.400	ng	0.00
7) Naphthalene-d8	10.584	136	28864	0.400	ng	0.01
13) Acenaphthene-d10	14.441	164	16547	0.400	ng	0.01
19) Phenanthrene-d10	17.186	188	31206	0.400	ng	0.00
29) Chrysene-d12	21.375	240	26115	0.400	ng	0.00
35) Perylene-d12	23.683	264	19904	0.400	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.348	112	69778	3.040	ng	0.00
5) Phenol-d6	6.937	99	88646	3.171	ng	0.00
8) Nitrobenzene-d5	8.929	82	70830	3.041	ng	0.00
11) 2-Methylnaphthalene-d10	12.177	152	134773	3.270	ng	0.00
14) 2,4,6-Tribromophenol	15.932	330	24045	3.527	ng	0.00
15) 2-Fluorobiphenyl	13.062	172	200437	3.024	ng	0.01
27) Fluoranthene-d10	19.220	212	263418	3.348	ng	0.00
31) Terphenyl-d14	19.819	244	180175	3.176	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.254	88	31207	3.100	ng	99
3) n-Nitrosodimethylamine	3.557	42	41593	3.211	ng	96
6) bis(2-Chloroethyl)ether	7.197	93	86904	3.164	ng	99
9) Naphthalene	10.626	128	255606	3.215	ng	99
10) Hexachlorobutadiene	10.925	225	42325	3.155	ng	# 99
12) 2-Methylnaphthalene	12.248	142	172992	3.263	ng	98
16) Acenaphthylene	14.152	152	253121	3.378	ng	99
17) Acenaphthene	14.495	154	173433	3.308	ng	97
18) Fluorene	15.489	166	230067	3.348	ng	100
20) 4,6-Dinitro-2-methylph...	15.560	198	18221	3.363	ng	# 47
21) 4-Bromophenyl-phenylether	16.379	248	67616	3.305	ng	99
22) Hexachlorobenzene	16.503	284	74101	3.185	ng	99
23) Atrazine	16.652	200	52181	3.482	ng	97
24) Pentachlorophenol	16.838	266	36424	3.634	ng	99
25) Phenanthrene	17.223	178	322719	3.257	ng	100
26) Anthracene	17.322	178	295333	3.408	ng	99
28) Fluoranthene	19.253	202	372238	3.363	ng	99
30) Pyrene	19.615	202	368946	3.130	ng	100
32) Benzo(a)anthracene	21.358	228	308037	3.306	ng	99
33) Chrysene	21.411	228	317065	3.136	ng	99
34) Bis(2-ethylhexyl)phtha...	21.295	149	157480	3.209	ng	99
36) Indeno(1,2,3-cd)pyrene	26.031	276	276870	3.386	ng	98
37) Benzo(b)fluoranthene	22.984	252	292856	3.441	ng	# 90
38) Benzo(k)fluoranthene	23.031	252	292143	3.411	ng	# 89
39) Benzo(a)pyrene	23.578	252	231067	3.392	ng	# 84
40) Dibenzo(a,h)anthracene	26.051	278	217022	3.449	ng	92
41) Benzo(g,h,i)perylene	26.750	276	235264	3.274	ng	98

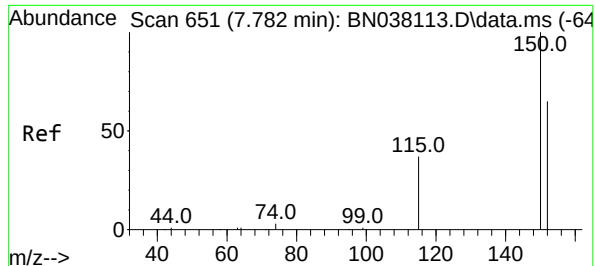
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN102825\
Data File : BN038116.D
Acq On : 28 Oct 2025 16:02
Operator : RC/JU
Sample : SSTDICC3.2
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
SSTDICC3.2

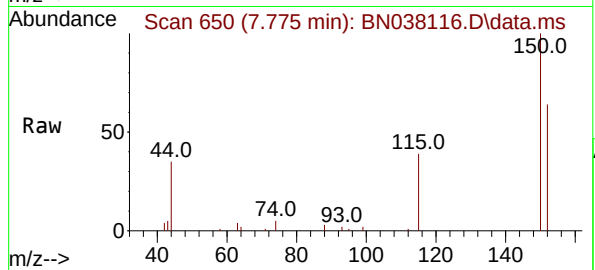
Quant Time: Oct 28 17:31:55 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN102825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Oct 28 17:15:13 2025
Response via : Initial Calibration



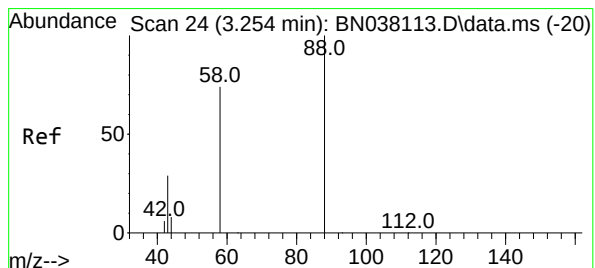
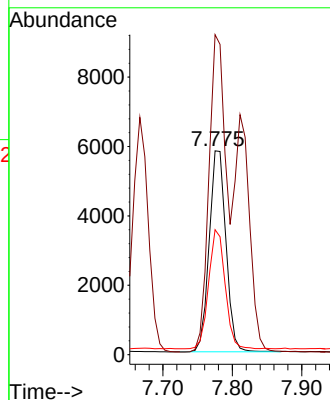
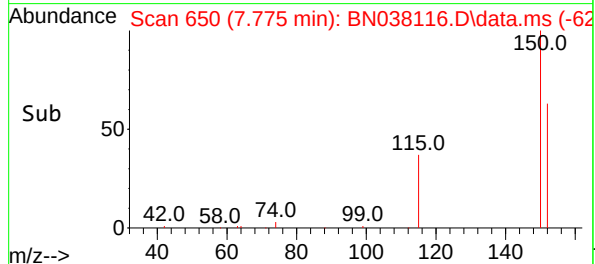


#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.775 min Scan# 61
Delta R.T. -0.000 min
Lab File: BN038116.D
Acq: 28 Oct 2025 16:02

Instrument :
BNA_N
ClientSampleId :
SSTDICC3.2

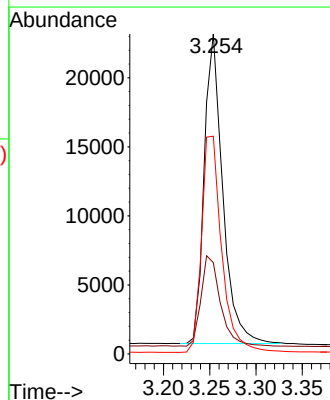
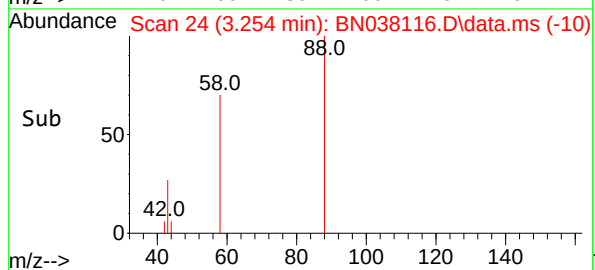
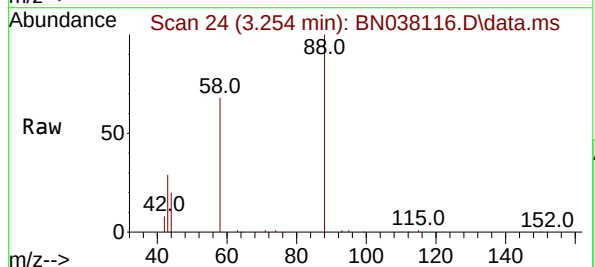


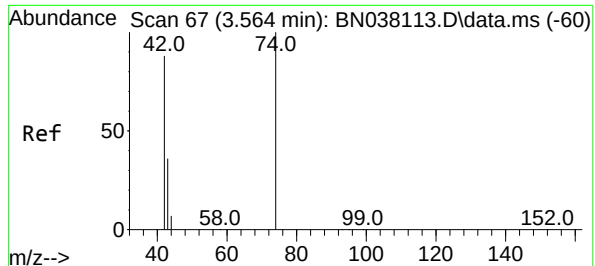
Tgt Ion:152 Resp: 9743
Ion Ratio Lower Upper
152 100
150 157.0 122.3 183.5
115 61.3 47.4 71.0



#2
1,4-Dioxane
Concen: 3.100 ng
RT: 3.254 min Scan# 24
Delta R.T. 0.000 min
Lab File: BN038116.D
Acq: 28 Oct 2025 16:02

Tgt Ion: 88 Resp: 31207
Ion Ratio Lower Upper
88 100
43 30.6 24.3 36.5
58 76.1 60.4 90.6

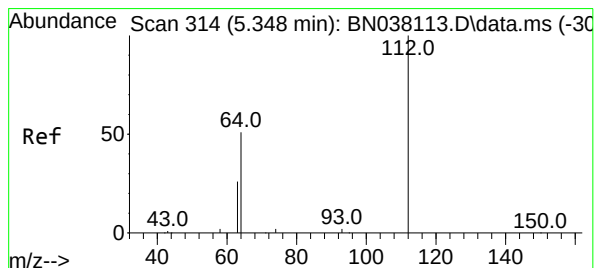
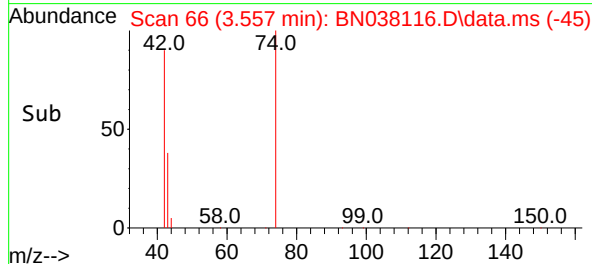
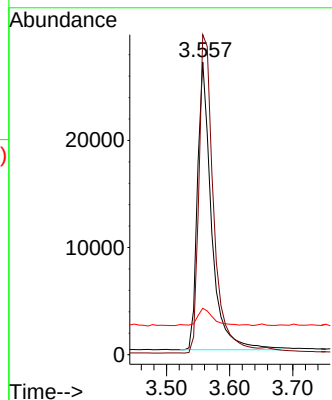
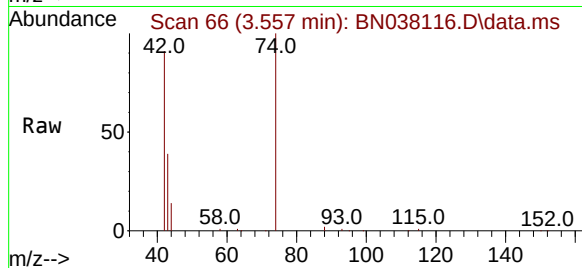




#3
n-Nitrosodimethylamine
Concen: 3.211 ng
RT: 3.557 min Scan# 60
Delta R.T. 0.000 min
Lab File: BN038116.D
Acq: 28 Oct 2025 16:02

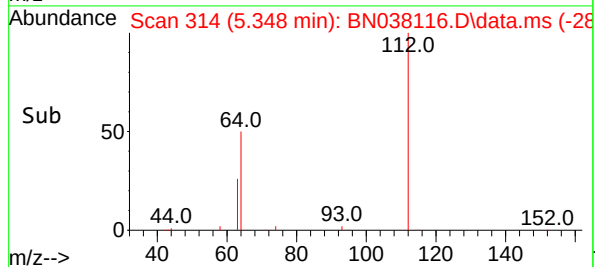
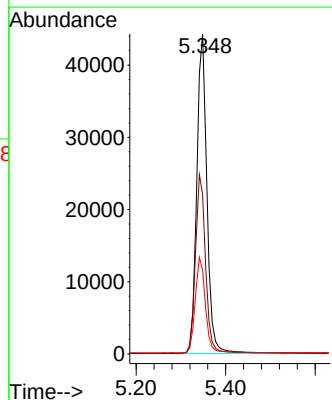
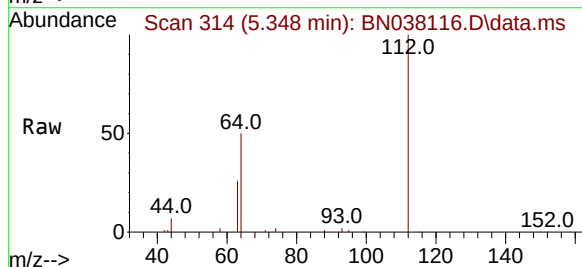
Instrument :
BNA_N
ClientSampleId :
SSTDICC3.2

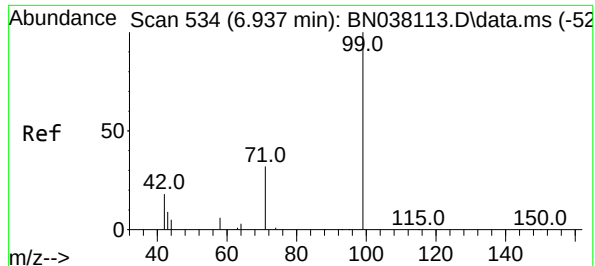
Tgt Ion: 42 Resp: 41593
Ion Ratio Lower Upper
42 100
74 116.1 96.8 145.2
44 6.8 5.3 7.9



#4
2-Fluorophenol
Concen: 3.040 ng
RT: 5.348 min Scan# 314
Delta R.T. 0.000 min
Lab File: BN038116.D
Acq: 28 Oct 2025 16:02

Tgt Ion: 112 Resp: 69778
Ion Ratio Lower Upper
112 100
64 56.1 45.4 68.0
63 30.0 23.2 34.8

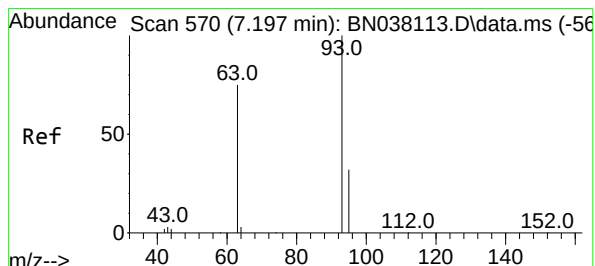
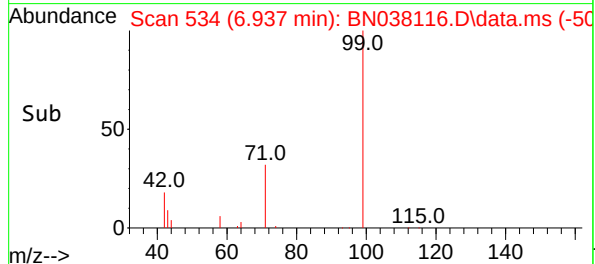
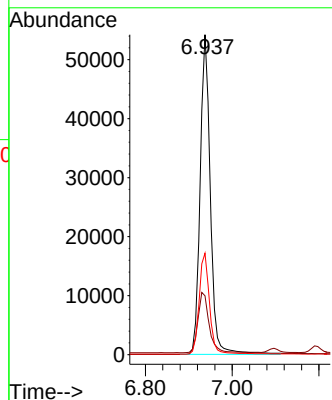
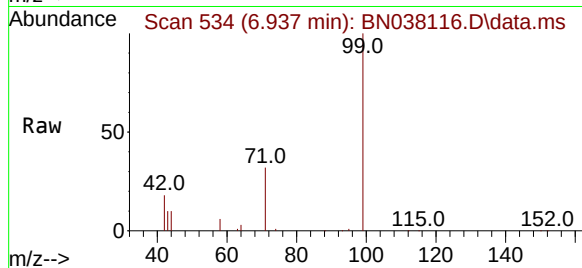




#5
Phenol-d6
Concen: 3.171 ng
RT: 6.937 min Scan# 51
Delta R.T. 0.000 min
Lab File: BN038116.D
Acq: 28 Oct 2025 16:02

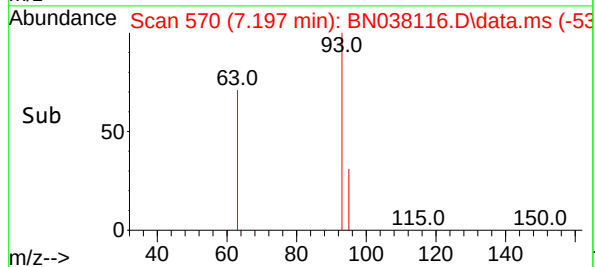
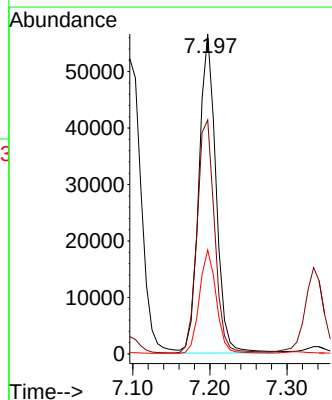
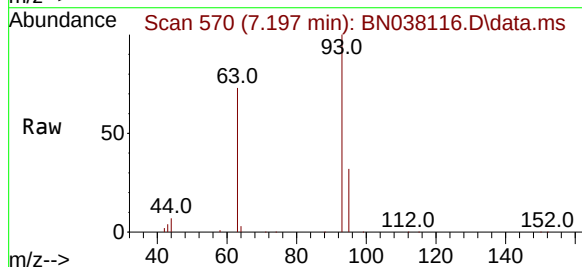
Instrument :
BNA_N
ClientSampleId :
SSTDICC3.2

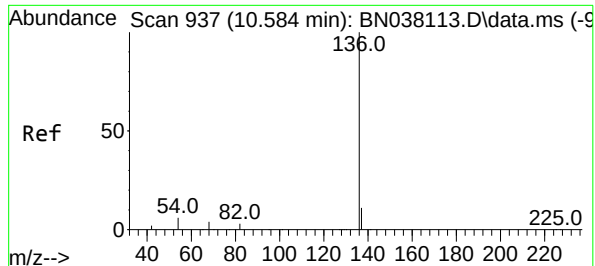
Tgt Ion: 99 Resp: 88646
Ion Ratio Lower Upper
99 100
42 20.7 16.6 24.8
71 32.4 25.4 38.2



#6
bis(2-Chloroethyl)ether
Concen: 3.164 ng
RT: 7.197 min Scan# 570
Delta R.T. 0.000 min
Lab File: BN038116.D
Acq: 28 Oct 2025 16:02

Tgt Ion: 93 Resp: 86904
Ion Ratio Lower Upper
93 100
63 75.1 59.3 88.9
95 32.0 25.2 37.8

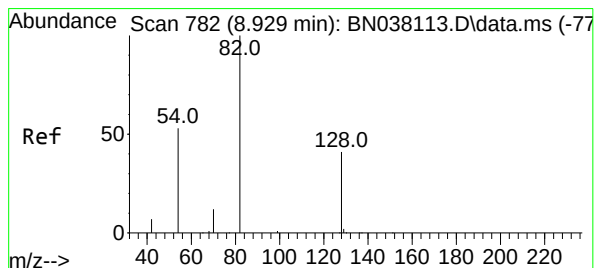
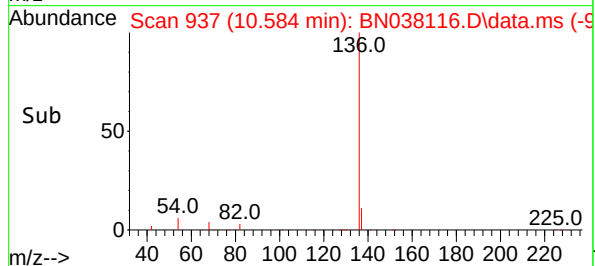
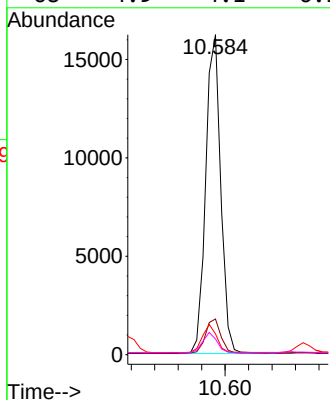
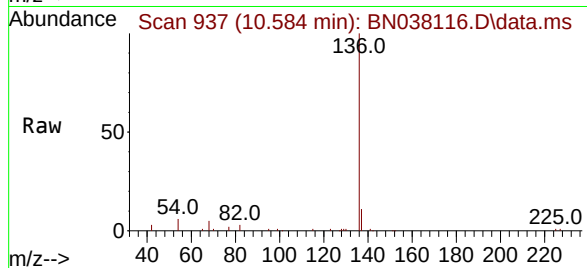




#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.584 min Scan# 91
Delta R.T. 0.011 min
Lab File: BN038116.D
Acq: 28 Oct 2025 16:02

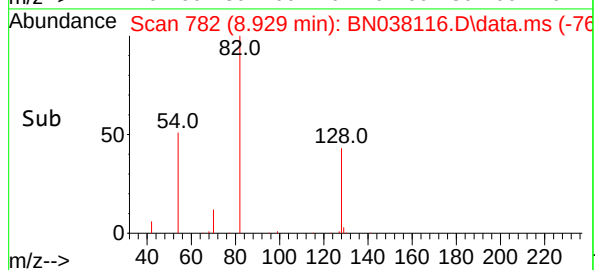
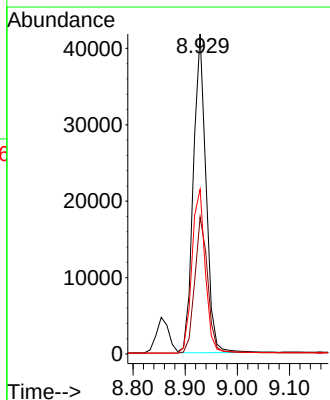
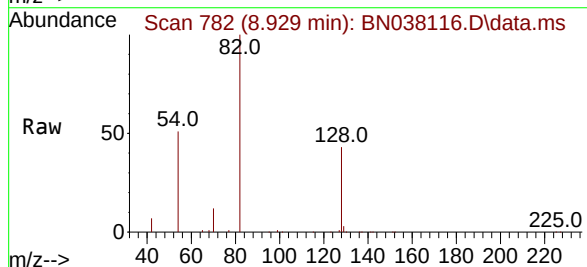
Instrument :
BNA_N
ClientSampleId :
SSTDICC3.2

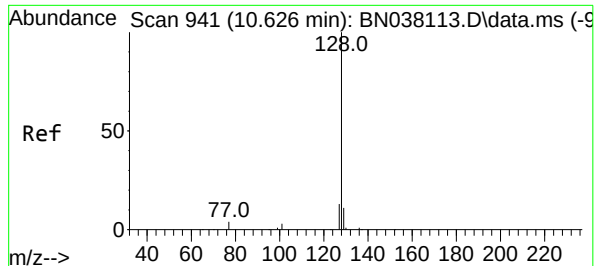
Tgt Ion:	136	Resp:	28864
Ion	Ratio	Lower	Upper
136	100		
137	11.2	9.0	13.4
54	6.5	5.2	7.8
68	4.9	4.1	6.1



#8
Nitrobenzene-d5
Concen: 3.041 ng
RT: 8.929 min Scan# 782
Delta R.T. 0.000 min
Lab File: BN038116.D
Acq: 28 Oct 2025 16:02

Tgt Ion:	82	Resp:	70830
Ion	Ratio	Lower	Upper
82	100		
128	42.8	34.1	51.1
54	51.5	43.5	65.3

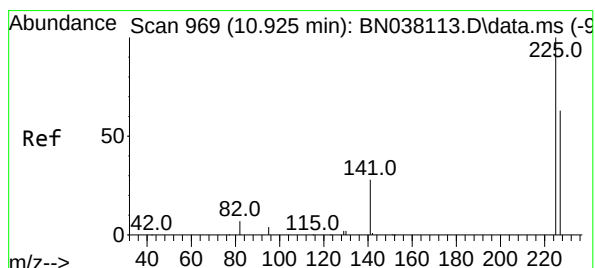
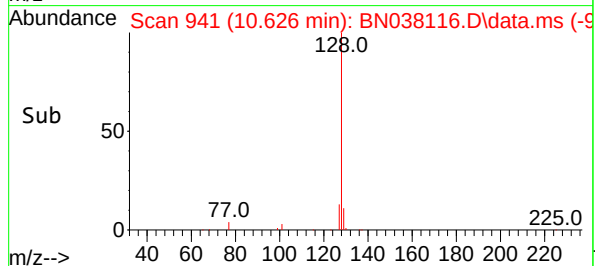
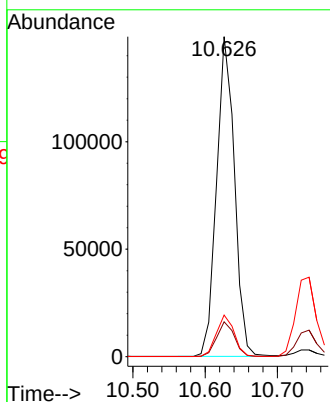
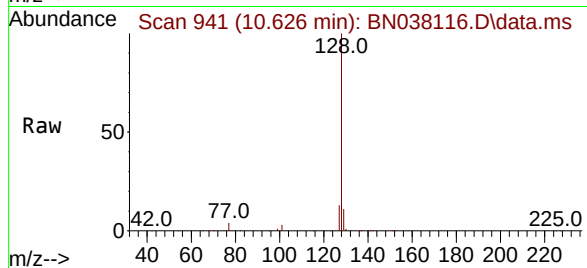


#9
Naphthalene

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

Instrument :
BNA_N
ClientSampleId :
SSTDICC3.2

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

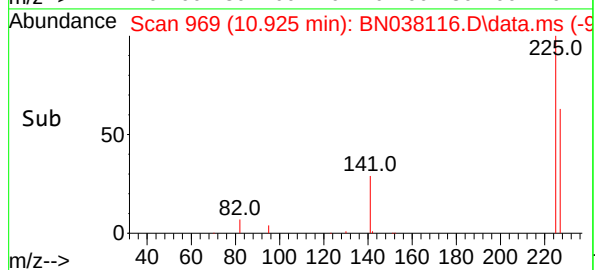
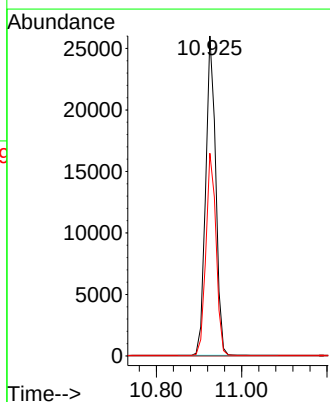
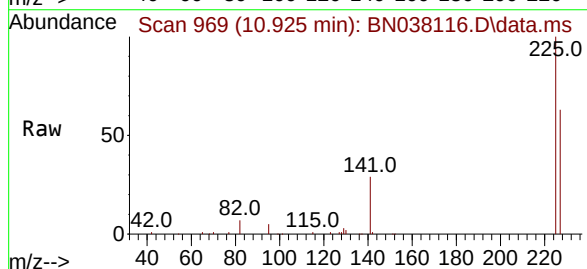


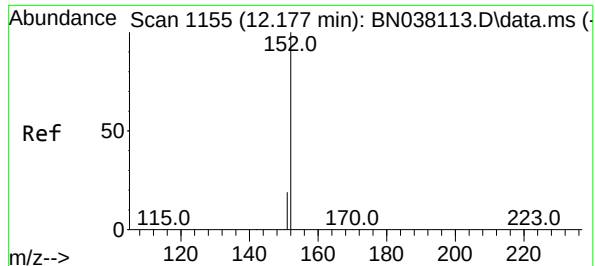
#10

Hexachlorobutadiene

Concen: 3.155 ng
RT: 10.925 min Scan# 969
Delta R.T. 0.000 min
Lab File: BN038116.D
Acq: 28 Oct 2025 16:02

Tgt Ion:225 Resp: 42325
Ion Ratio Lower Upper
225 100
223 0.0 0.0 0.0
227 64.0 50.3 75.5

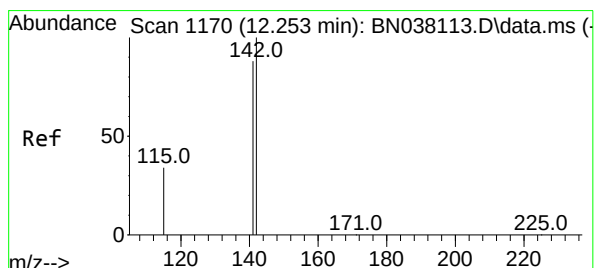
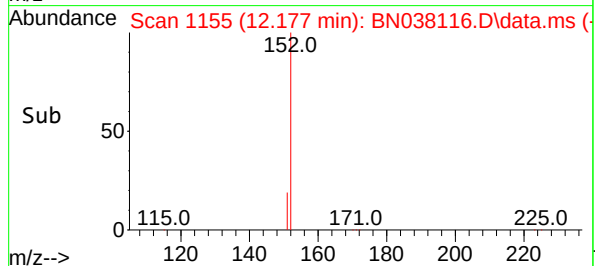
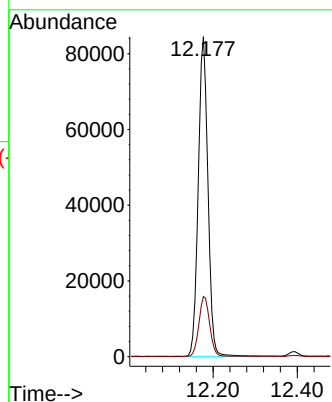
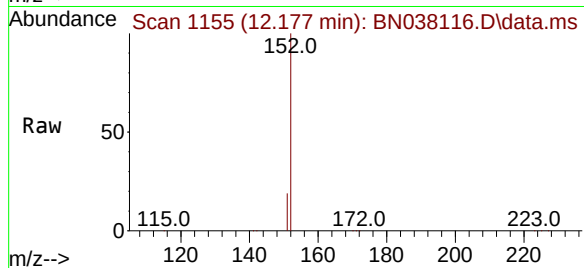




#11
2-Methylnaphthalene-d10
Concen: 3.270 ng
RT: 12.177 min Scan# 1155
Delta R.T. 0.000 min
Lab File: BN038116.D
Acq: 28 Oct 2025 16:02

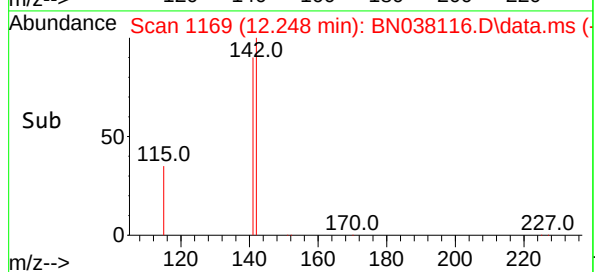
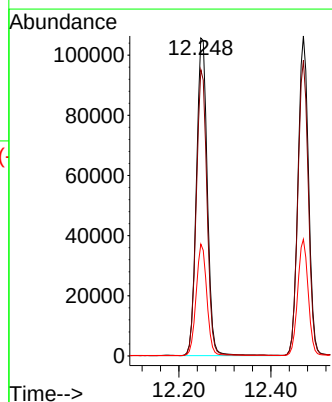
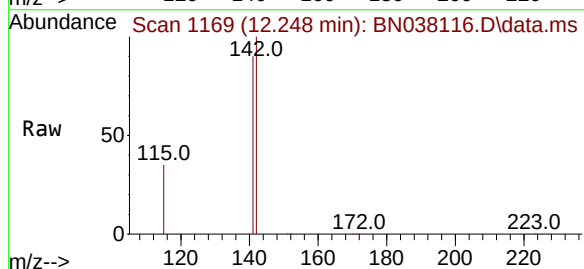
Instrument :
BNA_N
ClientSampleId :
SSTDICC3.2

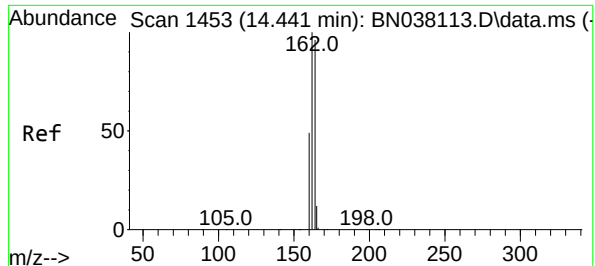
Tgt Ion:152 Resp: 134773
Ion Ratio Lower Upper
152 100
151 20.9 16.8 25.2



#12
2-Methylnaphthalene
Concen: 3.263 ng
RT: 12.248 min Scan# 1169
Delta R.T. 0.000 min
Lab File: BN038116.D
Acq: 28 Oct 2025 16:02

Tgt Ion:142 Resp: 172992
Ion Ratio Lower Upper
142 100
141 90.0 70.3 105.5
115 35.2 27.8 41.6

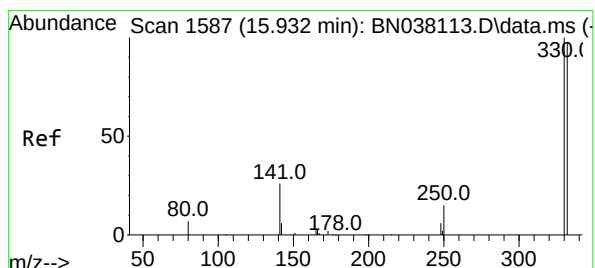
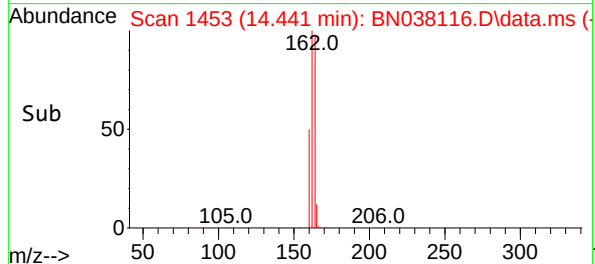
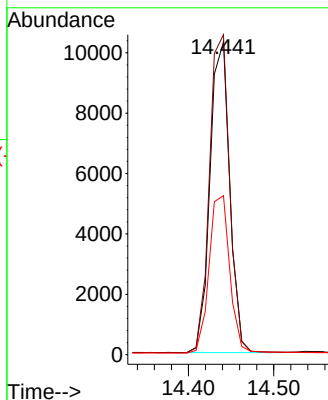
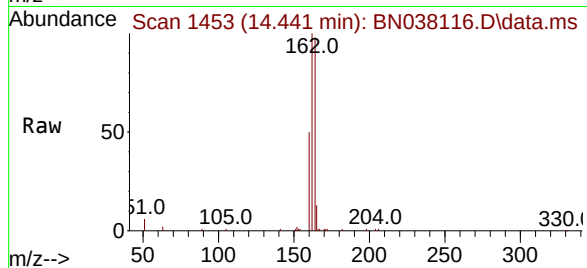




#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.441 min Scan# 1453
Delta R.T. 0.011 min
Lab File: BN038116.D
Acq: 28 Oct 2025 16:02

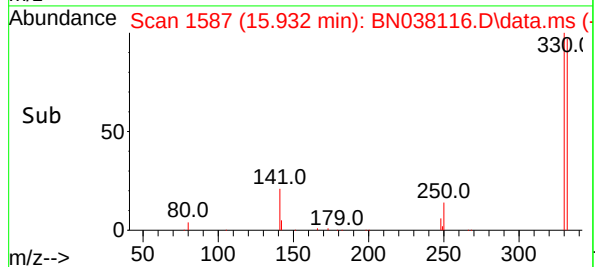
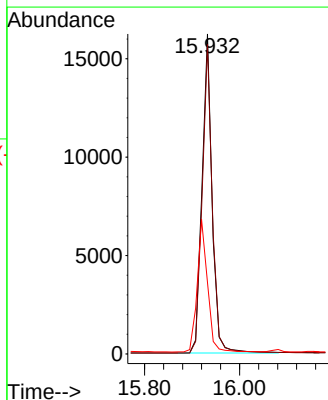
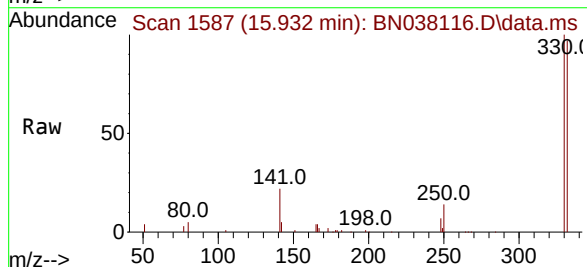
Instrument :
BNA_N
ClientSampleId :
SSTDICC3.2

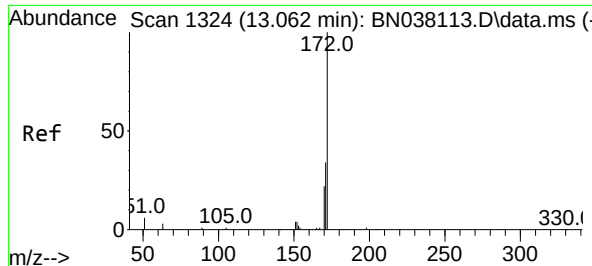
Tgt Ion:164 Resp: 16547
Ion Ratio Lower Upper
164 100
162 102.2 83.0 124.4
160 50.8 40.7 61.1



#14
2,4,6-Tribromophenol
Concen: 3.527 ng
RT: 15.932 min Scan# 1587
Delta R.T. 0.000 min
Lab File: BN038116.D
Acq: 28 Oct 2025 16:02

Tgt Ion:330 Resp: 24045
Ion Ratio Lower Upper
330 100
332 97.1 76.6 114.8
141 42.2 34.1 51.1

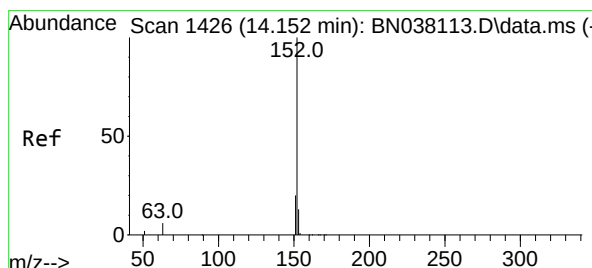
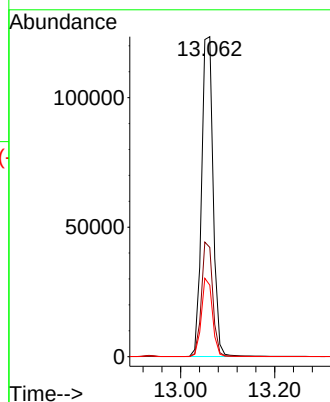
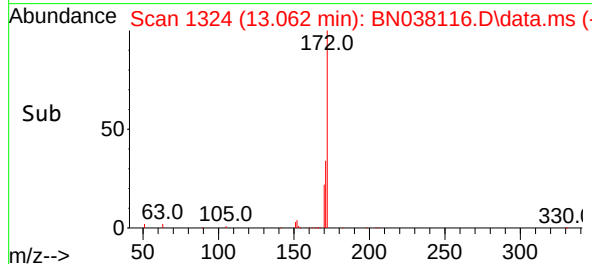
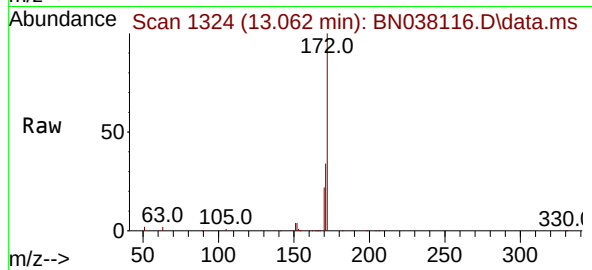




#15
2-Fluorobiphenyl
Concen: 3.024 ng
RT: 13.062 min Scan# 1324
Delta R.T. 0.011 min
Lab File: BN038116.D
Acq: 28 Oct 2025 16:02

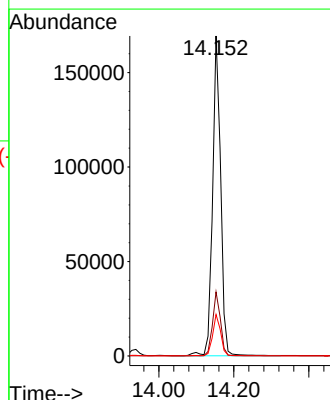
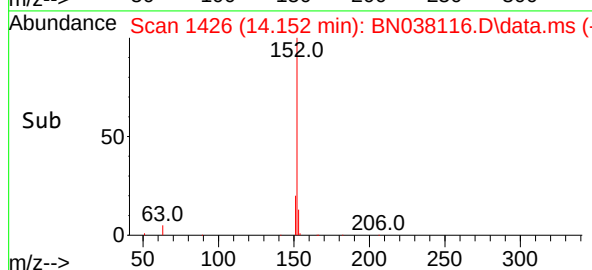
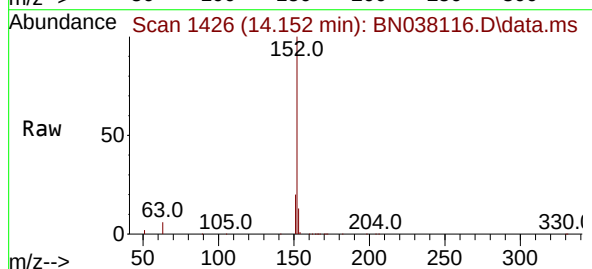
Instrument :
BNA_N
ClientSampleId :
SSTDICC3.2

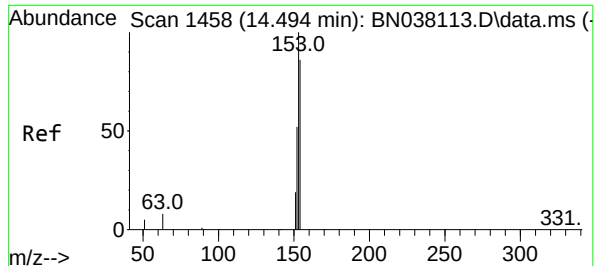
Tgt Ion:172 Resp: 200437
Ion Ratio Lower Upper
172 100
171 34.2 27.8 41.6
170 22.3 18.1 27.1



#16
Acenaphthylene
Concen: 3.378 ng
RT: 14.152 min Scan# 1426
Delta R.T. 0.000 min
Lab File: BN038116.D
Acq: 28 Oct 2025 16:02

Tgt Ion:152 Resp: 253121
Ion Ratio Lower Upper
152 100
151 19.5 15.8 23.8
153 12.9 10.2 15.2

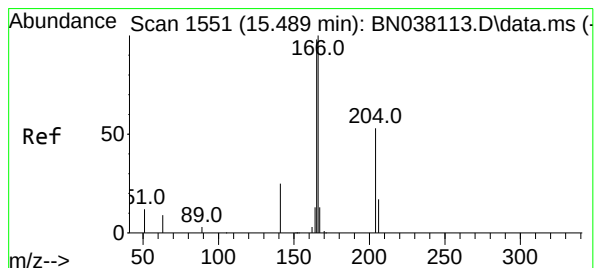
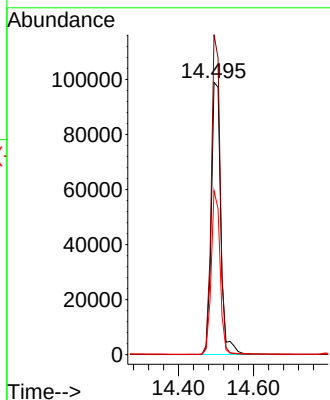
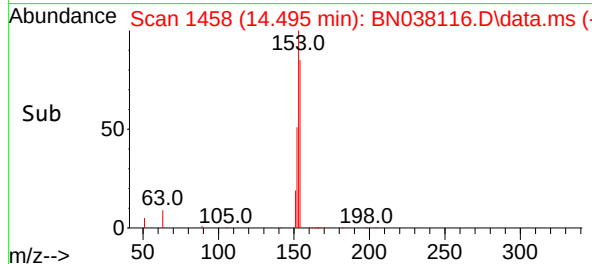
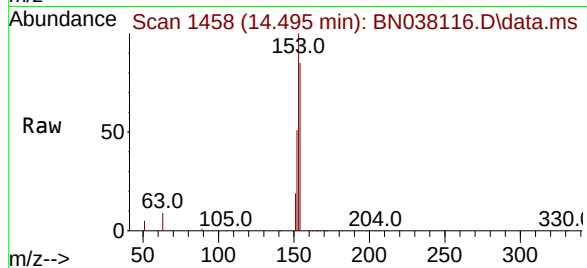




#17
Acenaphthene
Concen: 3.308 ng
RT: 14.495 min Scan# 1458
Delta R.T. 0.000 min
Lab File: BN038116.D
Acq: 28 Oct 2025 16:02

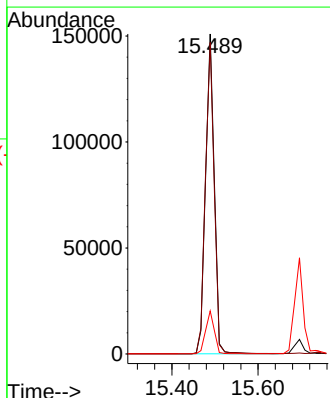
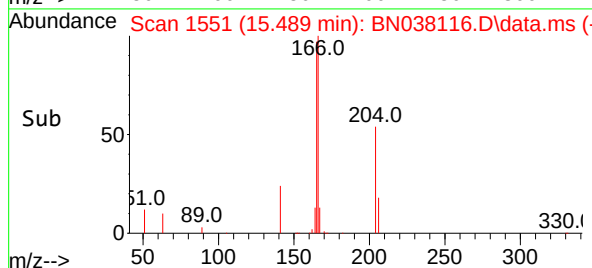
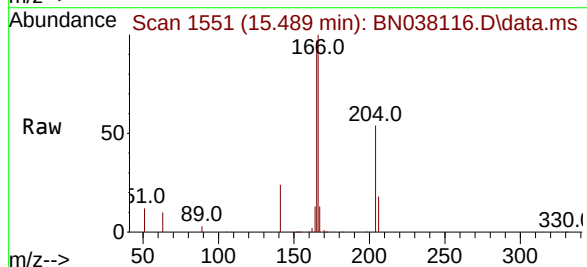
Instrument :
BNA_N
ClientSampleId :
SSTDICC3.2

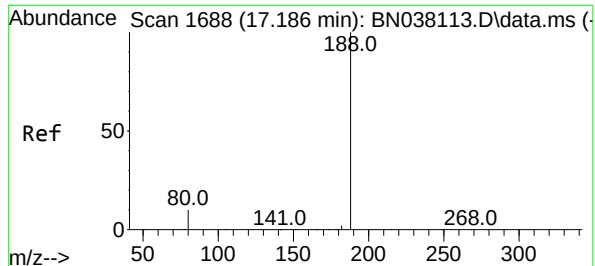
Tgt Ion:154 Resp: 173433
Ion Ratio Lower Upper
154 100
153 109.4 90.0 135.0
152 56.0 47.3 70.9



#18
Fluorene
Concen: 3.348 ng
RT: 15.489 min Scan# 1551
Delta R.T. -0.000 min
Lab File: BN038116.D
Acq: 28 Oct 2025 16:02

Tgt Ion:166 Resp: 230067
Ion Ratio Lower Upper
166 100
165 99.1 79.0 118.4
167 13.4 10.7 16.1





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 17.186 min Scan# 1

Delta R.T. 0.000 min

Lab File: BN038116.D

Acq: 28 Oct 2025 16:02

Instrument :

BNA_N

ClientSampleId :

SSTDICC3.2

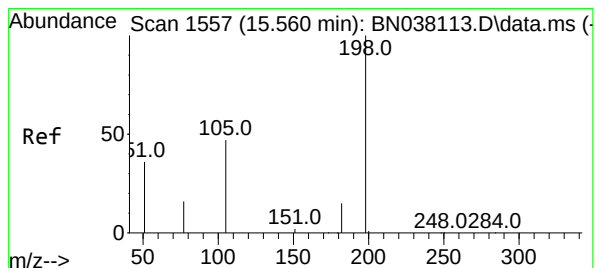
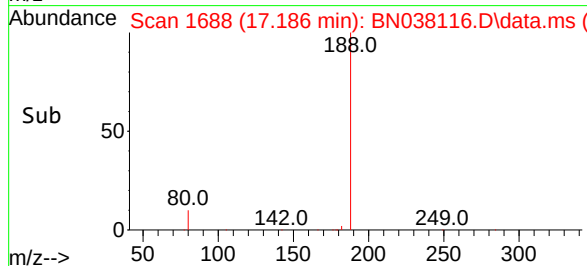
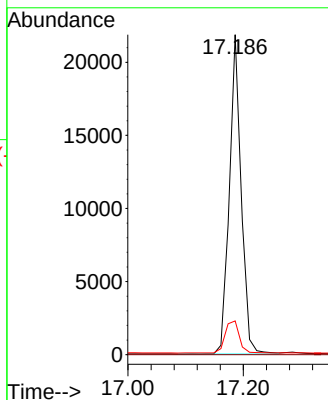
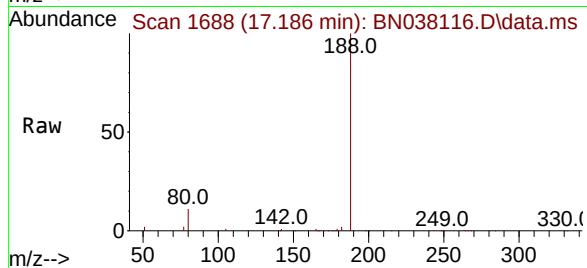
Tgt Ion:188 Resp: 31206

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

80 10.6 8.6 13.0



#20

4,6-Dinitro-2-methylphenol

Concen: 3.363 ng

RT: 15.560 min Scan# 1557

Delta R.T. -0.000 min

Lab File: BN038116.D

Acq: 28 Oct 2025 16:02

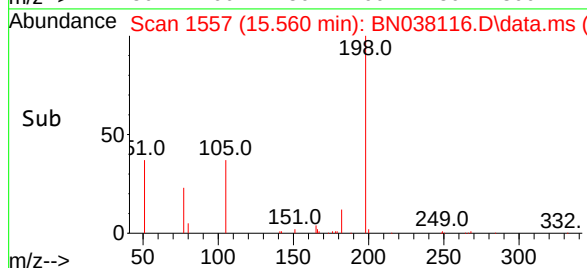
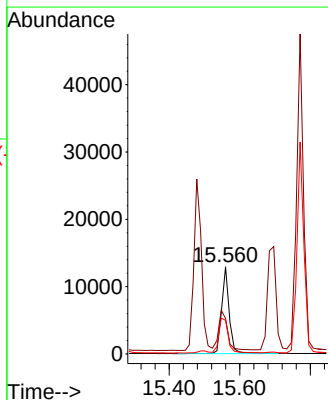
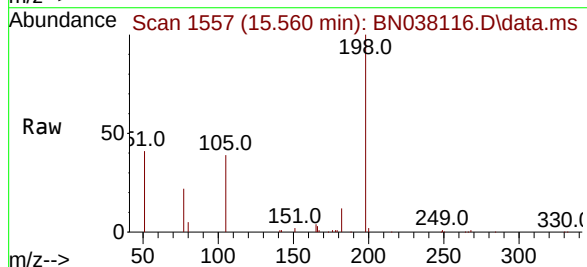
Tgt Ion:198 Resp: 18221

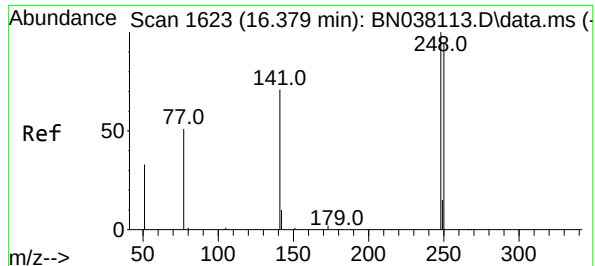
Ion Ratio Lower Upper

198 100

51 40.8 88.9 133.3#

105 38.5 49.2 73.8#

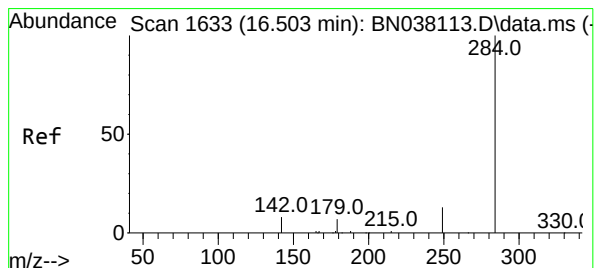
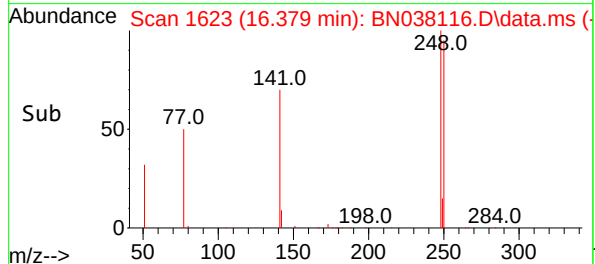
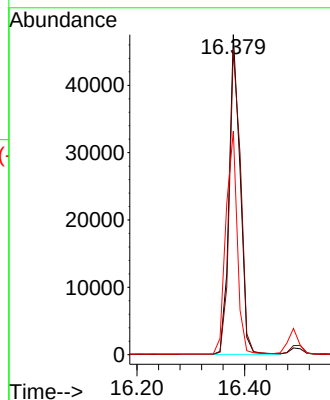
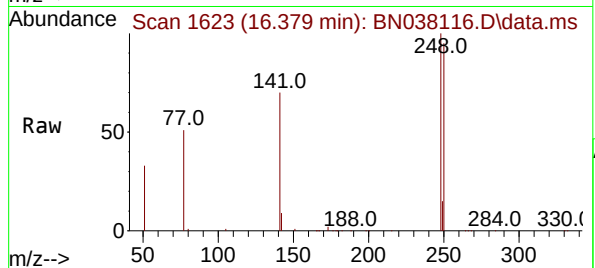




#21
4-Bromophenyl-phenylether
Concen: 3.305 ng
RT: 16.379 min Scan# 1623
Delta R.T. 0.000 min
Lab File: BN038116.D
Acq: 28 Oct 2025 16:02

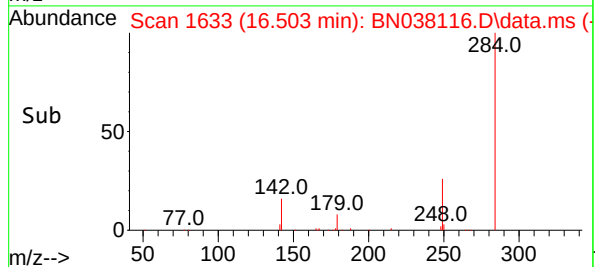
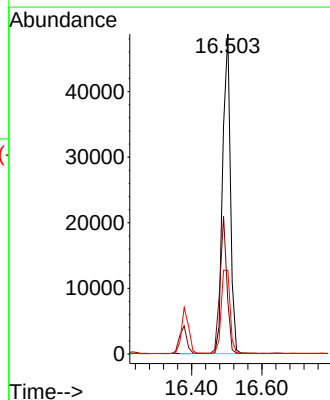
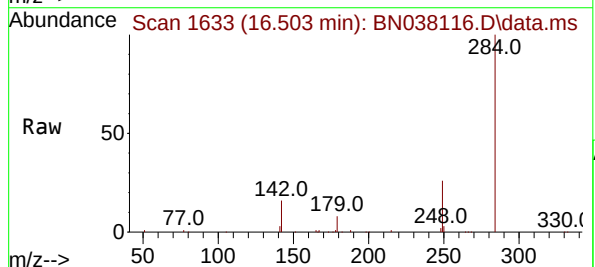
Instrument :
BNA_N
ClientSampleId :
SSTDICC3.2

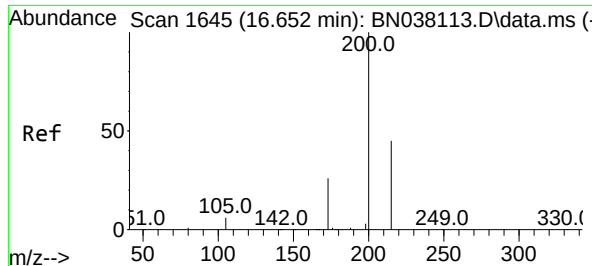
Tgt Ion:248 Resp: 67616
Ion Ratio Lower Upper
248 100
250 95.3 76.2 114.2
141 69.9 57.6 86.4



#22
Hexachlorobenzene
Concen: 3.185 ng
RT: 16.503 min Scan# 1633
Delta R.T. 0.000 min
Lab File: BN038116.D
Acq: 28 Oct 2025 16:02

Tgt Ion:284 Resp: 74101
Ion Ratio Lower Upper
284 100
142 38.7 30.5 45.7
249 29.9 23.5 35.3

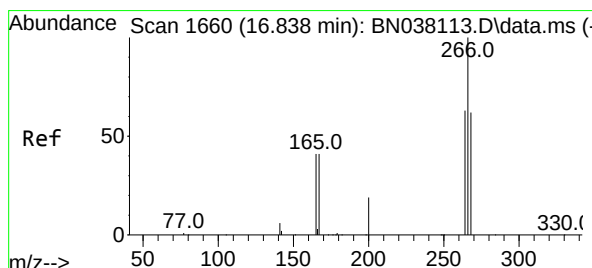
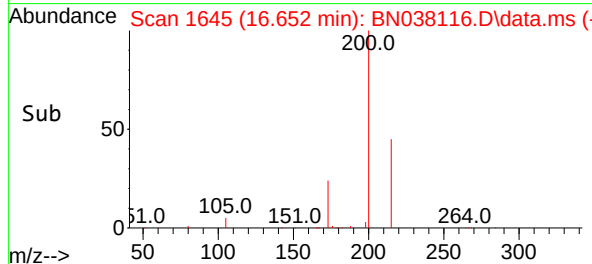
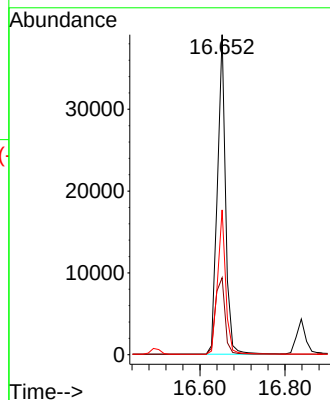
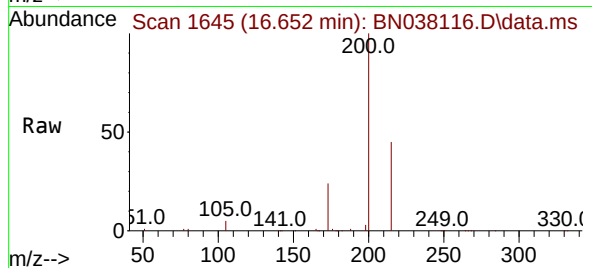




#23
Atrazine
Concen: 3.482 ng
RT: 16.652 min Scan# 1645
Delta R.T. 0.000 min
Lab File: BN038116.D
Acq: 28 Oct 2025 16:02

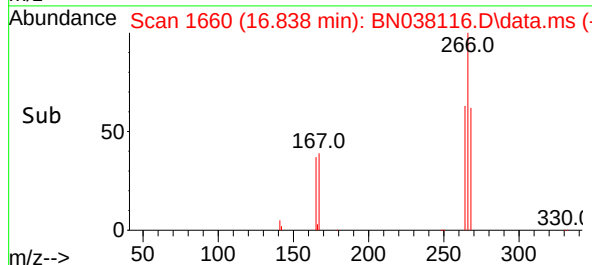
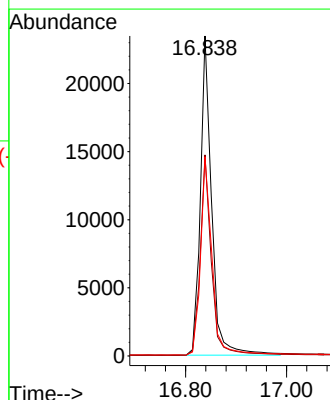
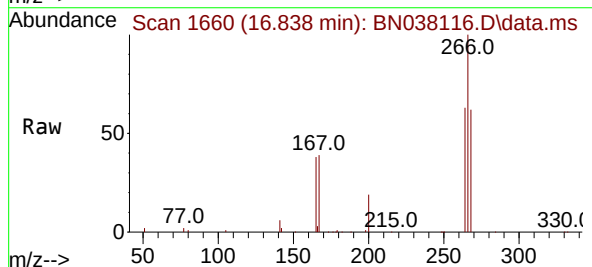
Instrument :
BNA_N
ClientSampleId :
SSTDICC3.2

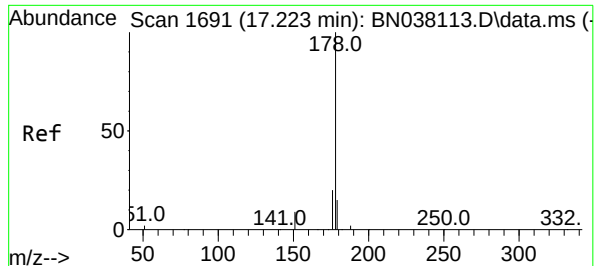
Tgt Ion:200 Resp: 52181
Ion Ratio Lower Upper
200 100
173 24.0 21.4 32.2
215 45.3 36.7 55.1



#24
Pentachlorophenol
Concen: 3.634 ng
RT: 16.838 min Scan# 1660
Delta R.T. 0.000 min
Lab File: BN038116.D
Acq: 28 Oct 2025 16:02

Tgt Ion:266 Resp: 36424
Ion Ratio Lower Upper
266 100
264 62.5 49.3 73.9
268 63.4 50.6 75.8

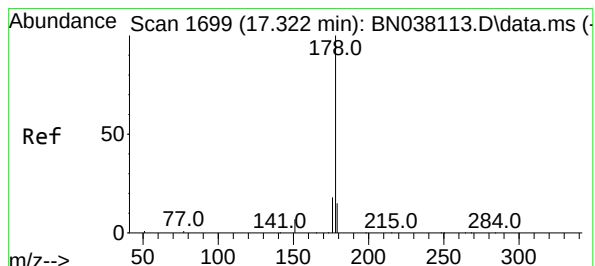
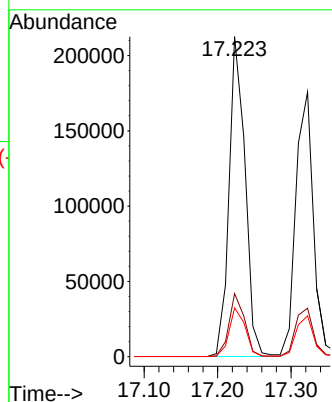
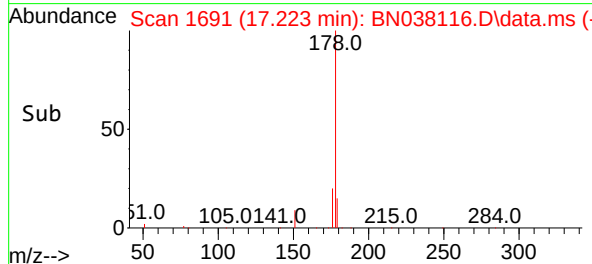
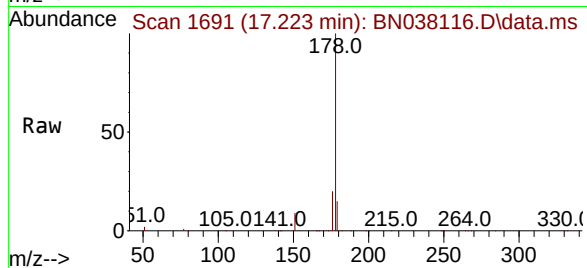




#25
Phenanthrene
Concen: 3.257 ng
RT: 17.223 min Scan# 1691
Delta R.T. 0.000 min
Lab File: BN038116.D
Acq: 28 Oct 2025 16:02

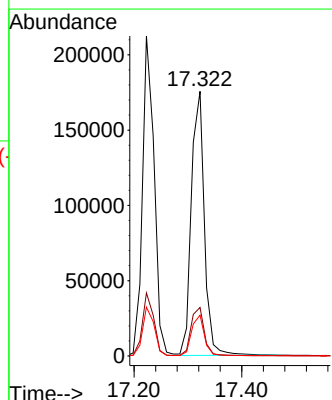
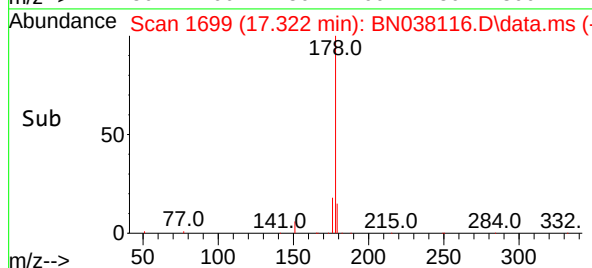
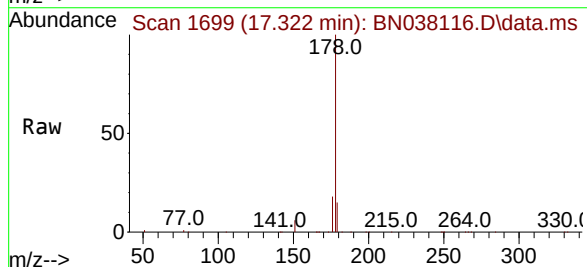
Instrument :
BNA_N
ClientSampleId :
SSTDICC3.2

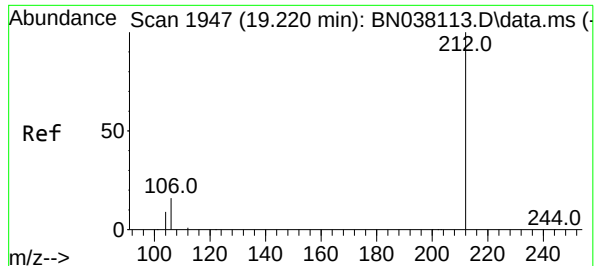
Tgt Ion:178 Resp: 322719
Ion Ratio Lower Upper
178 100
176 19.2 15.5 23.3
179 15.3 12.2 18.4



#26
Anthracene
Concen: 3.408 ng
RT: 17.322 min Scan# 1699
Delta R.T. 0.000 min
Lab File: BN038116.D
Acq: 28 Oct 2025 16:02

Tgt Ion:178 Resp: 295333
Ion Ratio Lower Upper
178 100
176 18.8 14.9 22.3
179 15.2 11.8 17.8





#27

Fluoranthene-d10

Concen: 3.348 ng

RT: 19.220 min Scan# 1947

Delta R.T. 0.000 min

Lab File: BN038116.D

Acq: 28 Oct 2025 16:02

Instrument :

BNA_N

ClientSampleId :

SSTDICC3.2

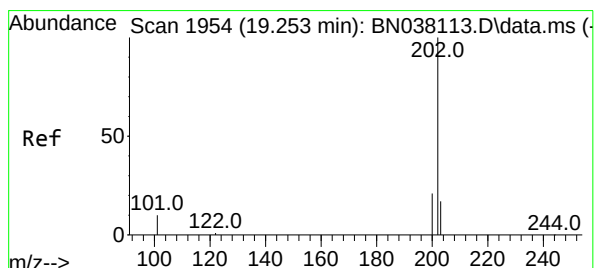
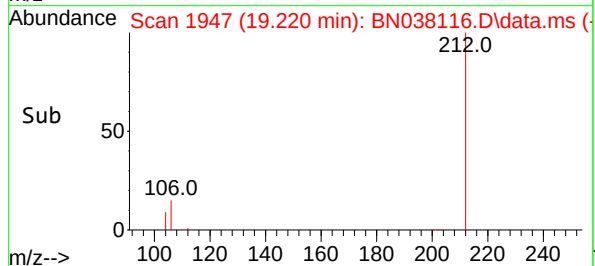
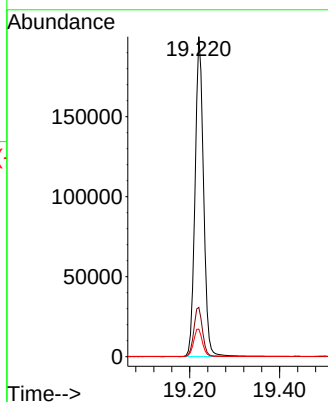
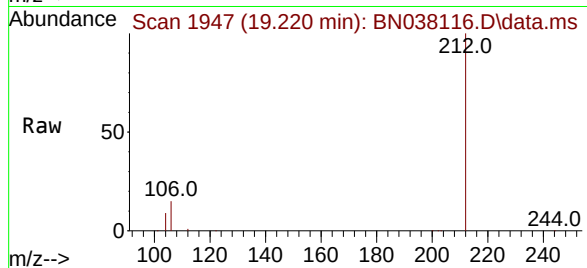
Tgt Ion:212 Resp: 263418

Ion Ratio Lower Upper

212 100

106 15.8 12.6 19.0

104 8.9 7.1 10.7



#28

Fluoranthene

Concen: 3.363 ng

RT: 19.253 min Scan# 1954

Delta R.T. 0.000 min

Lab File: BN038116.D

Acq: 28 Oct 2025 16:02

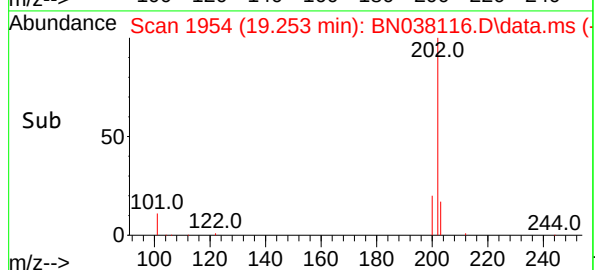
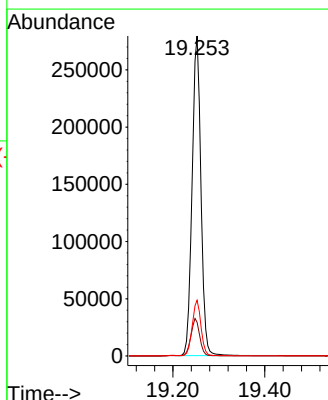
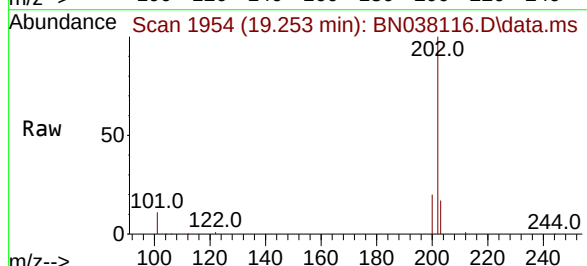
Tgt Ion:202 Resp: 372238

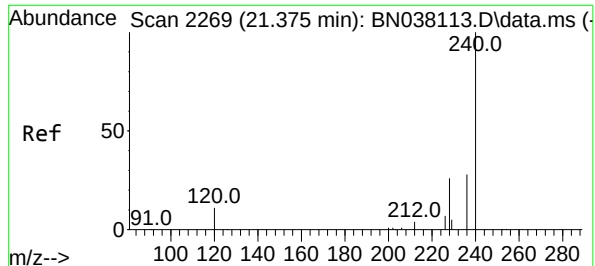
Ion Ratio Lower Upper

202 100

101 11.8 9.4 14.2

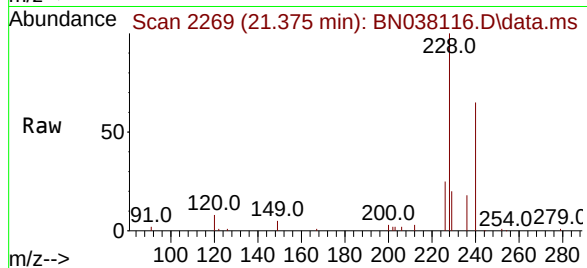
203 17.2 13.4 20.2



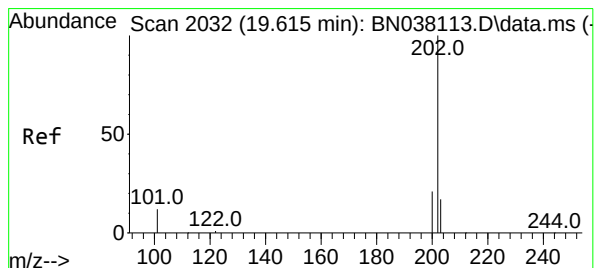
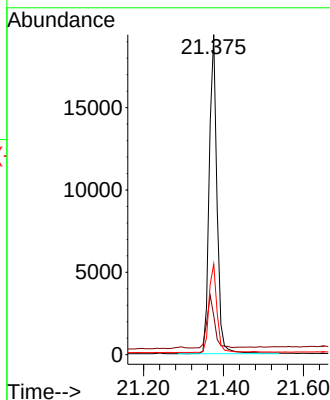
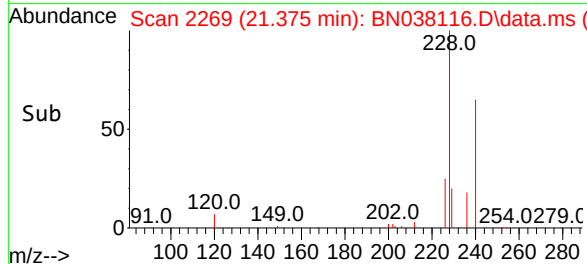


#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.375 min Scan# 21
Delta R.T. 0.000 min
Lab File: BN038116.D
Acq: 28 Oct 2025 16:02

Instrument :
BNA_N
ClientSampleId :
SSTDICC3.2

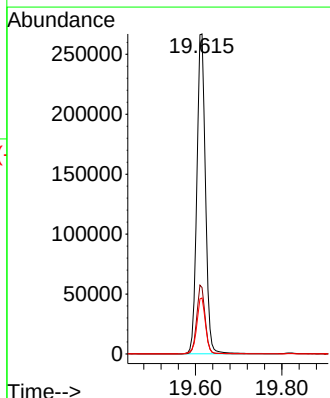
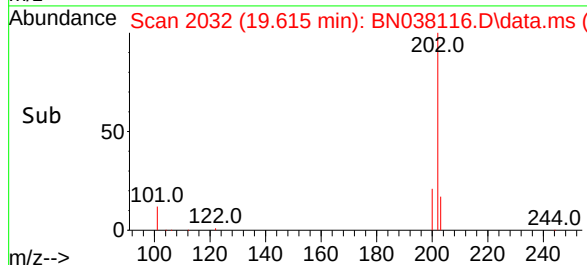
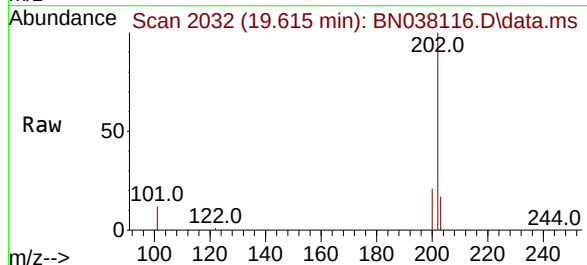


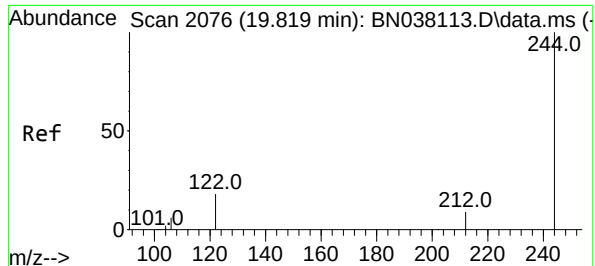
Tgt Ion:240 Resp: 26115
Ion Ratio Lower Upper
240 100
120 12.3 10.7 16.1
236 28.4 23.1 34.7



#30
Pyrene
Concen: 3.130 ng
RT: 19.615 min Scan# 2032
Delta R.T. 0.005 min
Lab File: BN038116.D
Acq: 28 Oct 2025 16:02

Tgt Ion:202 Resp: 368946
Ion Ratio Lower Upper
202 100
200 21.1 16.7 25.1
203 17.7 14.2 21.2

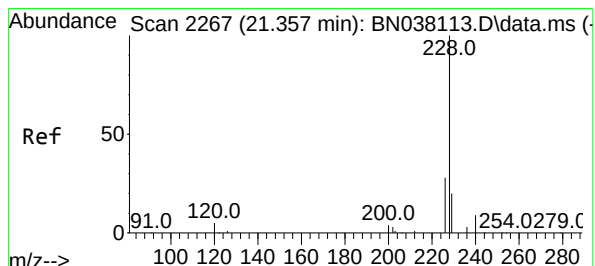
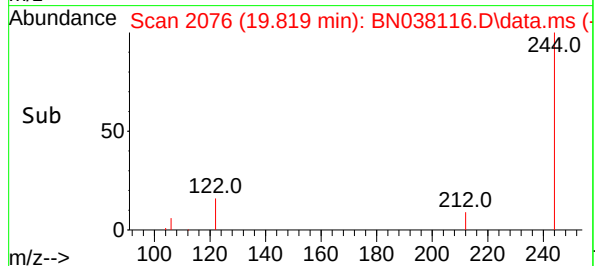
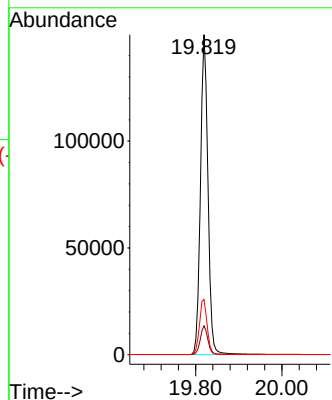
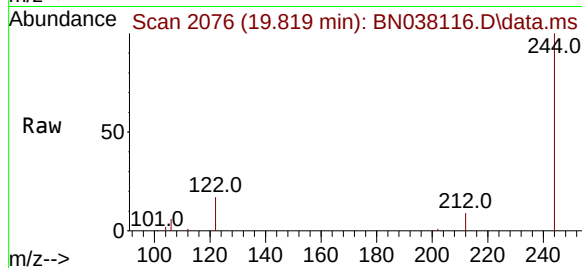




#31
Terphenyl-d14
Concen: 3.176 ng
RT: 19.819 min Scan# 2076
Delta R.T. 0.000 min
Lab File: BN038116.D
Acq: 28 Oct 2025 16:02

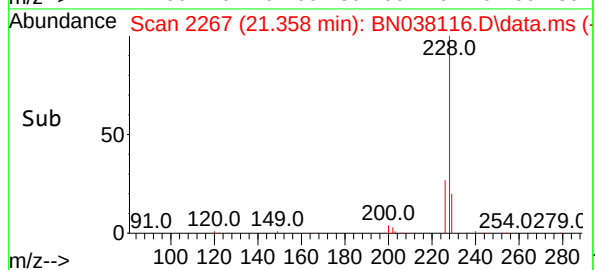
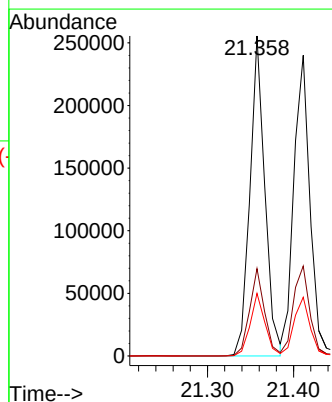
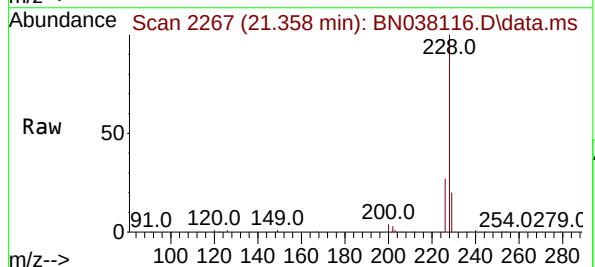
Instrument :
BNA_N
ClientSampleId :
SSTDICC3.2

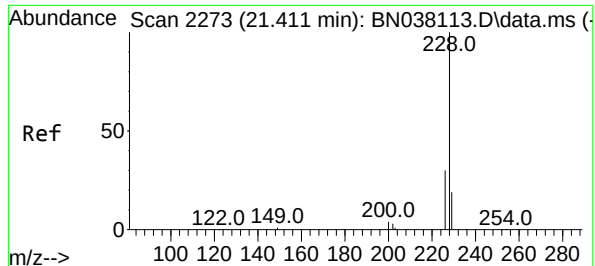
Tgt Ion:244 Resp: 180175
Ion Ratio Lower Upper
244 100
212 9.0 7.8 11.6
122 17.3 15.2 22.8



#32
Benzo(a)anthracene
Concen: 3.306 ng
RT: 21.358 min Scan# 2267
Delta R.T. 0.000 min
Lab File: BN038116.D
Acq: 28 Oct 2025 16:02

Tgt Ion:228 Resp: 308037
Ion Ratio Lower Upper
228 100
226 27.3 22.2 33.4
229 19.5 15.8 23.8





#33

Chrysene

Concen: 3.136 ng

RT: 21.411 min Scan# 21

Delta R.T. 0.000 min

Lab File: BN038116.D

Acq: 28 Oct 2025 16:02

Instrument :

BNA_N

ClientSampleId :

SSTDICC3.2

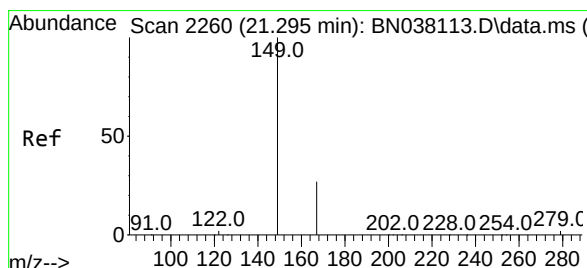
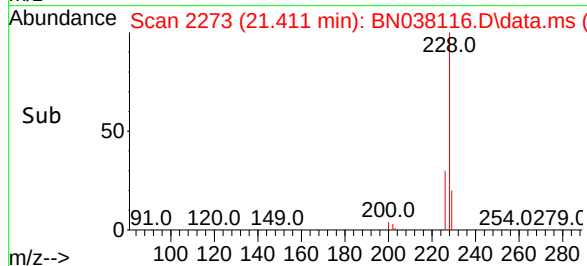
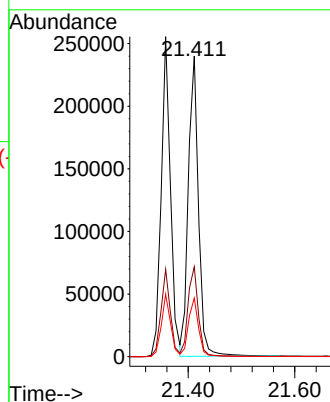
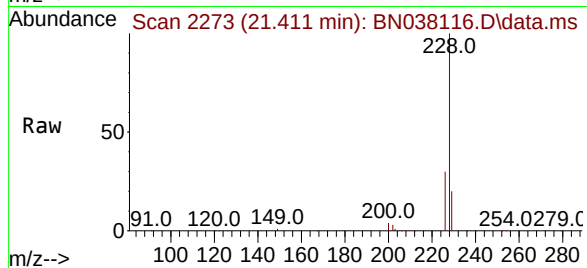
Tgt Ion:228 Resp: 317065

Ion Ratio Lower Upper

228 100

226 29.9 24.3 36.5

229 19.5 15.7 23.5



#34

Bis(2-ethylhexyl)phthalate

Concen: 3.209 ng

RT: 21.295 min Scan# 2260

Delta R.T. 0.000 min

Lab File: BN038116.D

Acq: 28 Oct 2025 16:02

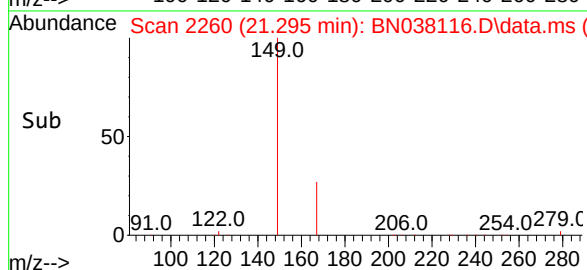
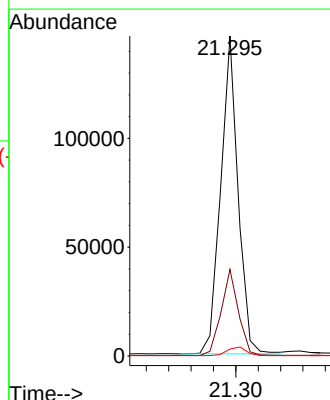
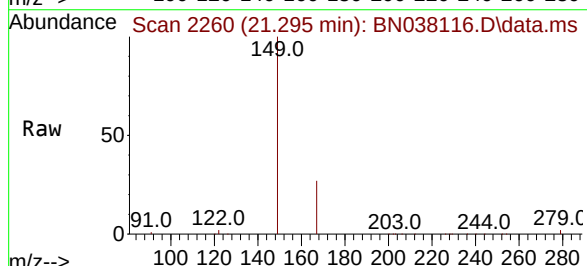
Tgt Ion:149 Resp: 157480

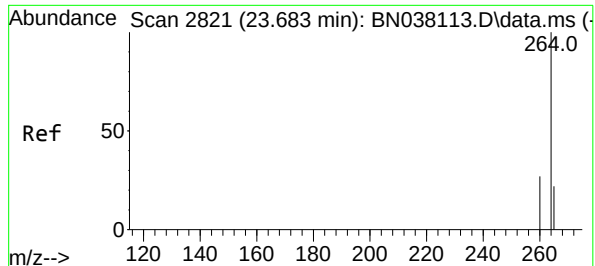
Ion Ratio Lower Upper

149 100

167 26.9 21.1 31.7

279 3.0 2.9 4.3





#35

Perylene-d12

Concen: 0.400 ng

RT: 23.683 min Scan# 21

Delta R.T. 0.003 min

Lab File: BN038116.D

Acq: 28 Oct 2025 16:02

Instrument :

BNA_N

ClientSampleId :

SSTDICC3.2

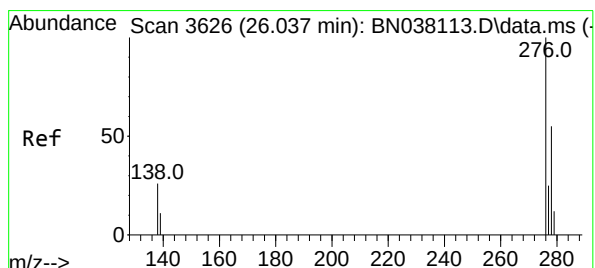
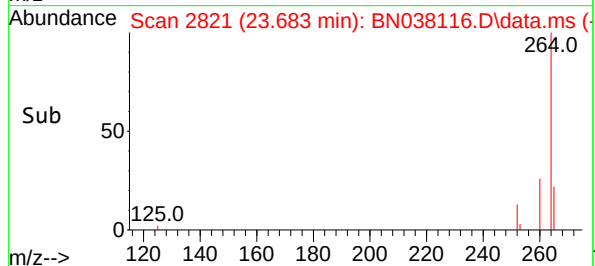
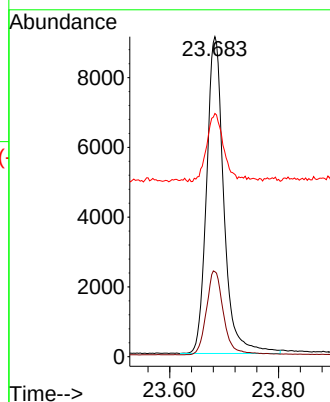
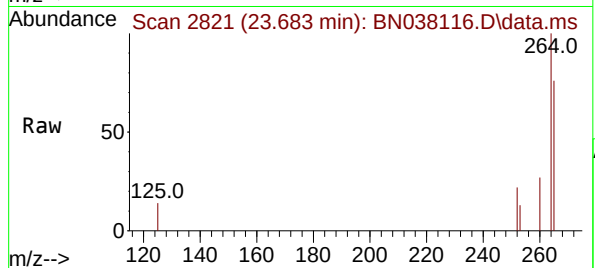
Tgt Ion:264 Resp: 19904

Ion	Ratio	Lower	Upper

264	100		

260	26.5	21.8	32.8

265	76.0	68.6	102.8



#36

Indeno(1,2,3-cd)pyrene

Concen: 3.386 ng

RT: 26.031 min Scan# 3624

Delta R.T. -0.003 min

Lab File: BN038116.D

Acq: 28 Oct 2025 16:02

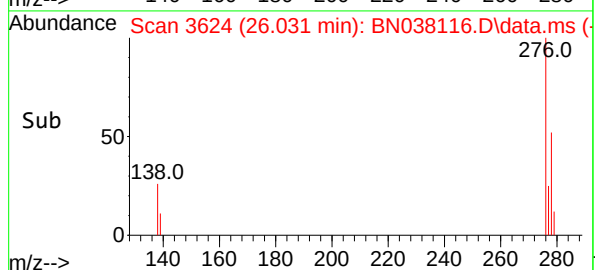
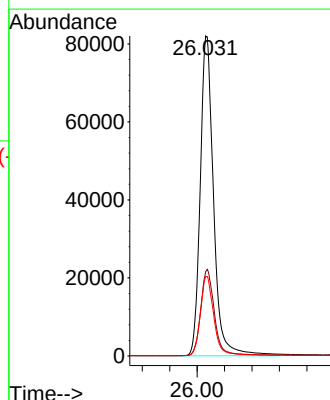
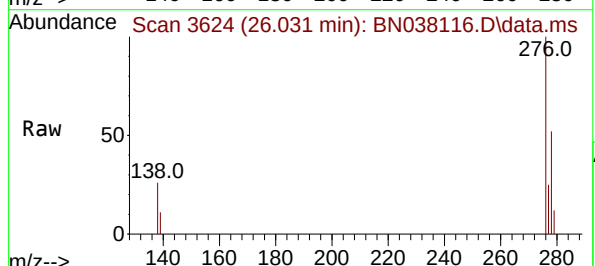
Tgt Ion:276 Resp: 276870

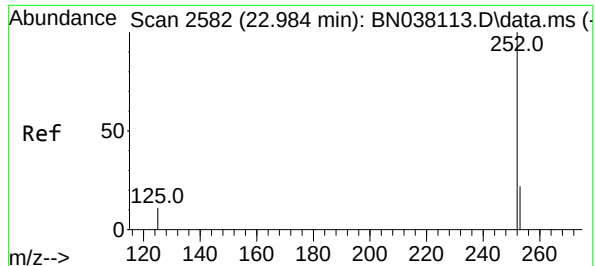
Ion	Ratio	Lower	Upper

276	100		

138	27.4	21.4	32.0

277	24.8	19.2	28.8





#37

Benzo(b)fluoranthene

Concen: 3.441 ng

RT: 22.984 min Scan# 2582

Delta R.T. 0.003 min

Lab File: BN038116.D

Acq: 28 Oct 2025 16:02

Instrument :

BNA_N

ClientSampleId :

SSTDICC3.2

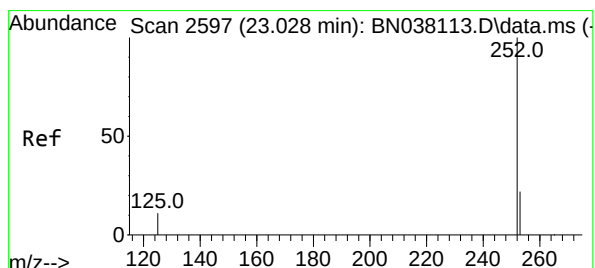
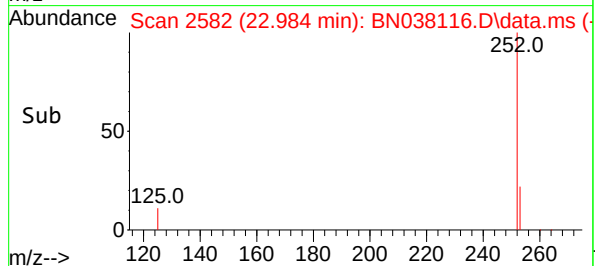
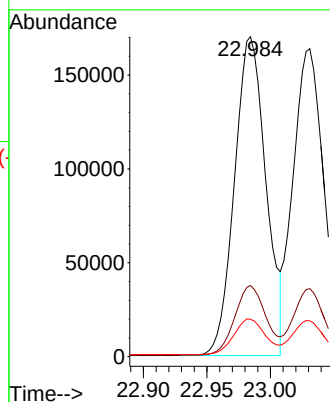
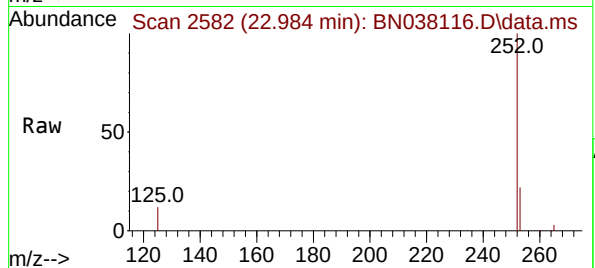
Tgt Ion:252 Resp: 292856

Ion Ratio Lower Upper

252 100

253 22.3 20.9 31.3

125 11.7 14.1 21.1#



#38

Benzo(k)fluoranthene

Concen: 3.411 ng

RT: 23.031 min Scan# 2598

Delta R.T. 0.003 min

Lab File: BN038116.D

Acq: 28 Oct 2025 16:02

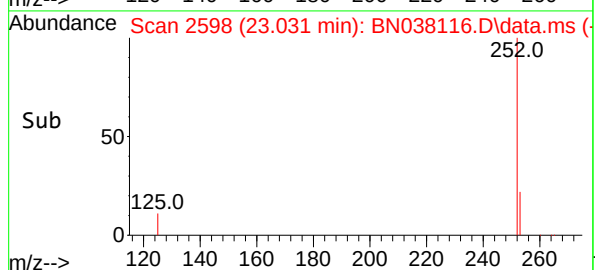
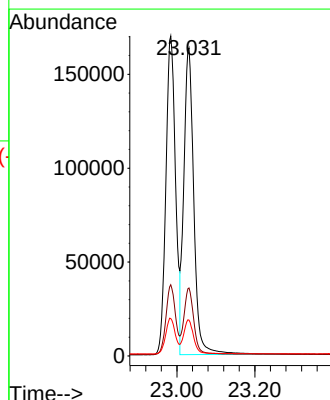
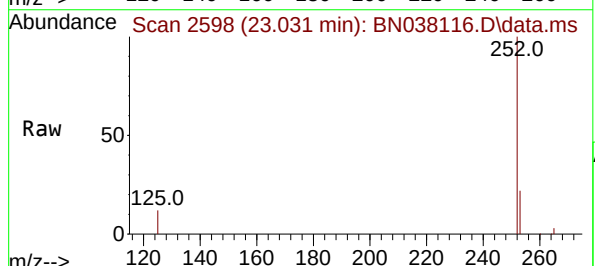
Tgt Ion:252 Resp: 292143

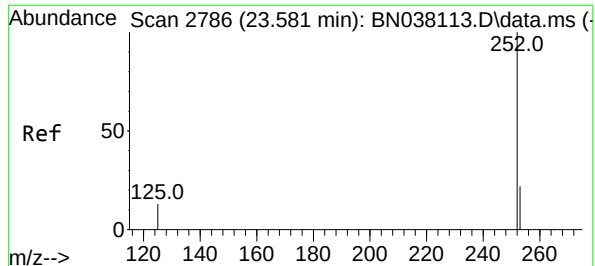
Ion Ratio Lower Upper

252 100

253 22.1 21.2 31.8

125 11.6 14.6 22.0#





#39

Benzo(a)pyrene

Concen: 3.392 ng

RT: 23.578 min Scan# 21

Delta R.T. 0.000 min

Lab File: BN038116.D

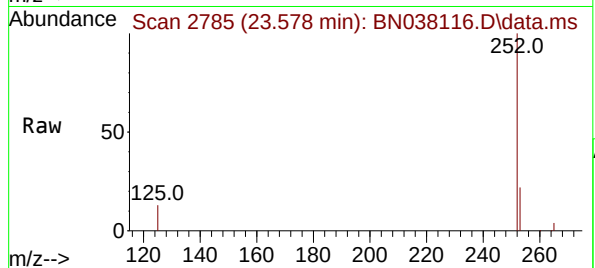
Acq: 28 Oct 2025 16:02

Instrument :

BNA_N

ClientSampleId :

SSTDICC3.2



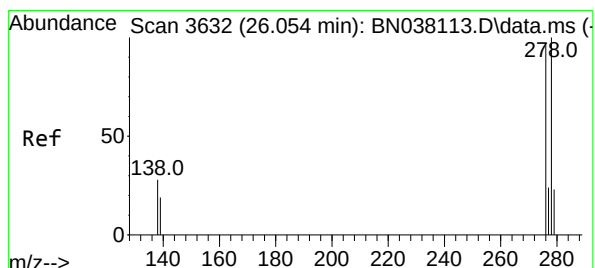
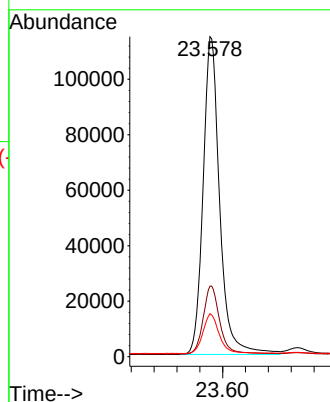
Tgt Ion:252 Resp: 231067

Ion Ratio Lower Upper

252 100

253 22.1 23.1 34.7#

125 13.4 18.6 28.0#



#40

Dibenzo(a,h)anthracene

Concen: 3.449 ng

RT: 26.051 min Scan# 3631

Delta R.T. 0.003 min

Lab File: BN038116.D

Acq: 28 Oct 2025 16:02

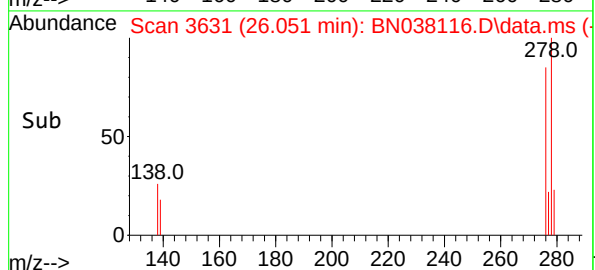
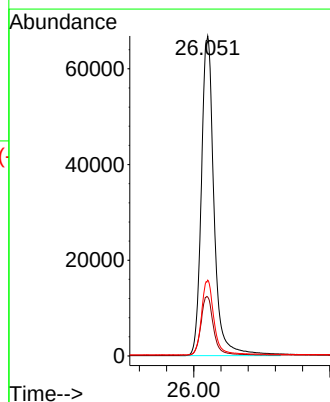
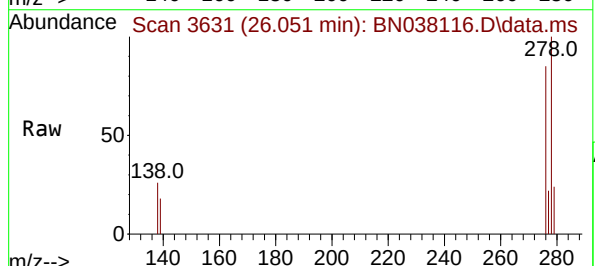
Tgt Ion:278 Resp: 217022

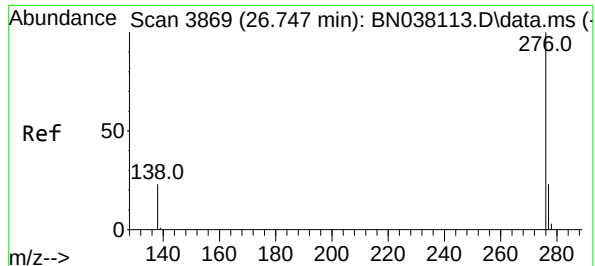
Ion Ratio Lower Upper

278 100

139 18.4 17.6 26.4

279 23.7 22.6 33.8





#41

Benzo(g,h,i)perylene

Concen: 3.274 ng

RT: 26.750 min Scan# 3869

Delta R.T. 0.000 min

Lab File: BN038116.D

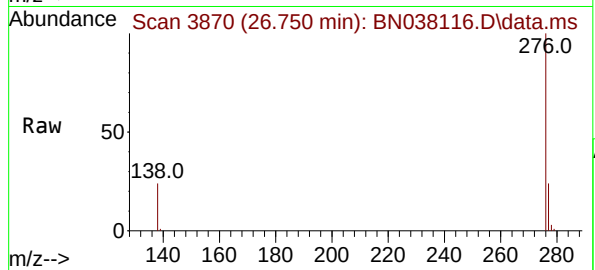
Acq: 28 Oct 2025 16:02

Instrument :

BNA_N

ClientSampleId :

SSTDICC3.2



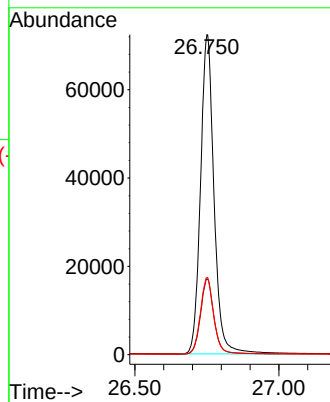
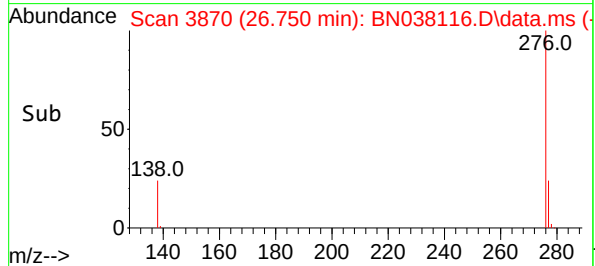
Tgt Ion:276 Resp: 235264

Ion Ratio Lower Upper

276 100

277 23.7 19.7 29.5

138 24.1 20.2 30.4



Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN102825\
 Data File : BN038117.D
 Acq On : 28 Oct 2025 16:38
 Operator : RC/JU
 Sample : SSTDICC5.0
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 SSTDICC5.0

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

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

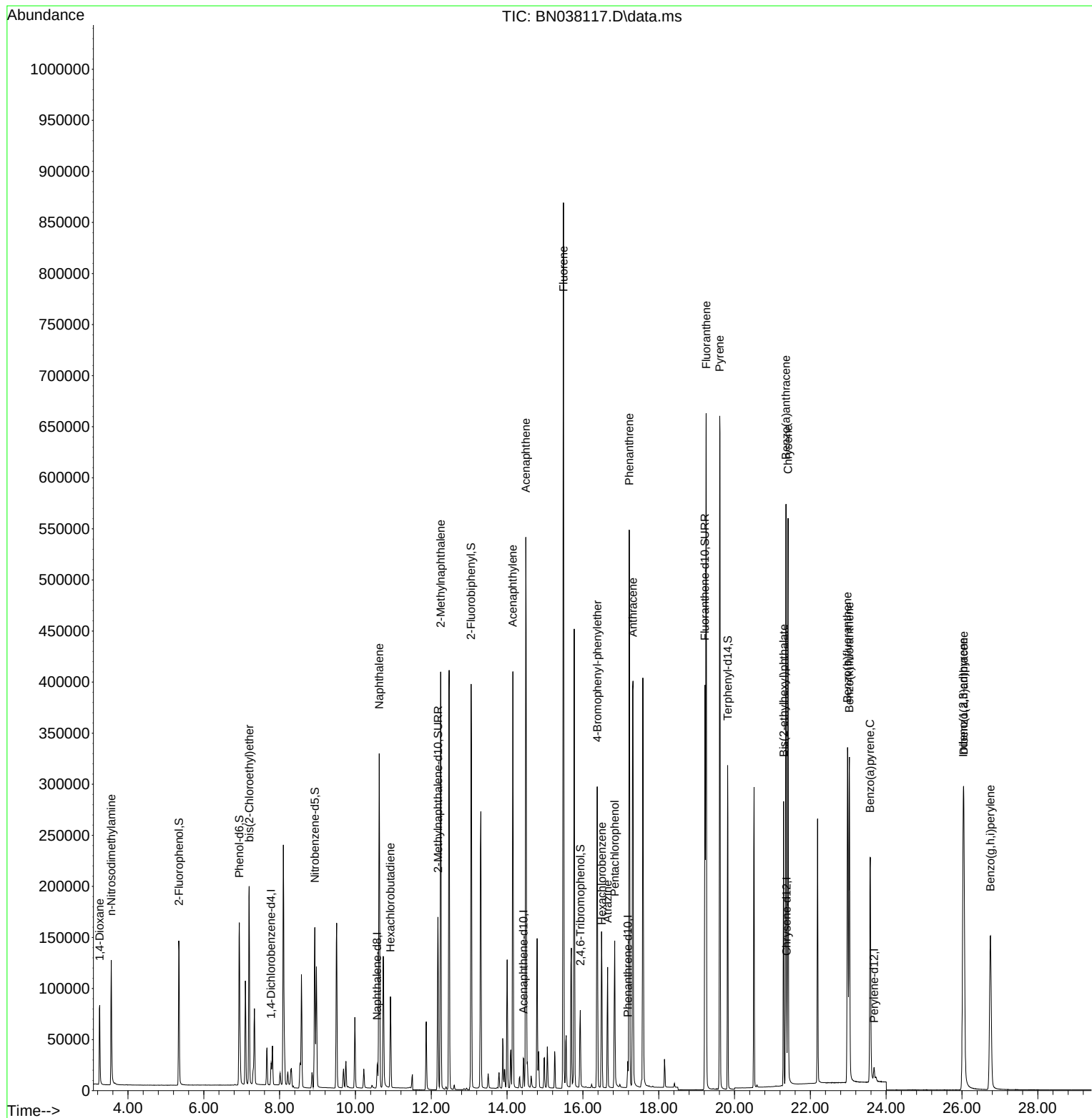
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.775	152	10579	0.400	ng	0.00
7) Naphthalene-d8	10.573	136	31197	0.400	ng	# 0.00
13) Acenaphthene-d10	14.430	164	17960	0.400	ng	0.00
19) Phenanthrene-d10	17.186	188	33242	0.400	ng	0.00
29) Chrysene-d12	21.375	240	25416	0.400	ng	0.00
35) Perylene-d12	23.680	264	18172	0.400	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.348	112	116608	4.679	ng	0.00
5) Phenol-d6	6.937	99	150343	4.953	ng	0.00
8) Nitrobenzene-d5	8.929	82	119764	4.757	ng	0.00
11) 2-Methylnaphthalene-d10	12.177	152	225769	5.068	ng	0.00
14) 2,4,6-Tribromophenol	15.932	330	43520	5.881	ng	0.00
15) 2-Fluorobiphenyl	13.051	172	335695	4.667	ng	0.00
27) Fluoranthene-d10	19.220	212	419371	5.003	ng	0.00
31) Terphenyl-d14	19.819	244	283126	5.127	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	3.254	88	51426	4.705	ng	100
3) n-Nitrosodimethylamine	3.557	42	68522	4.871	ng	96
6) bis(2-Chloroethyl)ether	7.197	93	142662	4.784	ng	99
9) Naphthalene	10.626	128	422794	4.920	ng	99
10) Hexachlorobutadiene	10.925	225	68839	4.748	ng	# 99
12) 2-Methylnaphthalene	12.248	142	287955	5.025	ng	99
16) Acenaphthylene	14.152	152	428380	5.267	ng	99
17) Acenaphthene	14.494	154	291166	5.117	ng	95
18) Fluorene	15.489	166	389813	5.227	ng	98
21) 4-Bromophenyl-phenylether	16.379	248	114170	5.239	ng	# 92
22) Hexachlorobenzene	16.503	284	123999	5.003	ng	99
23) Atrazine	16.652	200	87823	5.501	ng	97
24) Pentachlorophenol	16.838	266	66071	6.188	ng	99
25) Phenanthrene	17.223	178	539294	5.110	ng	100
26) Anthracene	17.322	178	499584	5.411	ng	99
28) Fluoranthene	19.253	202	587710	4.984	ng	99
30) Pyrene	19.610	202	586526	5.112	ng	100
32) Benzo(a)anthracene	21.358	228	462496	5.100	ng	100
33) Chrysene	21.411	228	473389	4.811	ng	99
34) Bis(2-ethylhexyl)phtha...	21.295	149	223481	4.679	ng	99
36) Indeno(1,2,3-cd)pyrene	26.034	276	403825	5.409	ng	99
37) Benzo(b)fluoranthene	22.981	252	413811	5.326	ng	# 90
38) Benzo(k)fluoranthene	23.028	252	421255	5.387	ng	# 88
39) Benzo(a)pyrene	23.578	252	332107	5.340	ng	# 83
40) Dibenzo(a,h)anthracene	26.048	278	318538	5.545	ng	91
41) Benzo(g,h,i)perylene	26.750	276	342713	5.223	ng	98

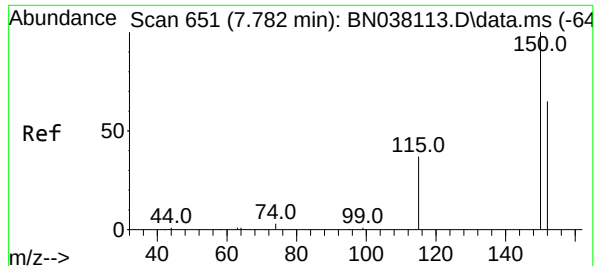
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN102825\
Data File : BN038117.D
Acq On : 28 Oct 2025 16:38
Operator : RC/JU
Sample : SSTDICC5.0
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

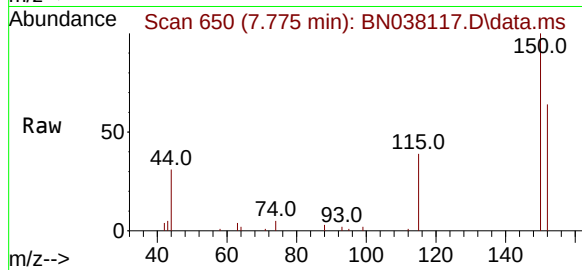
Quant Time: Oct 28 17:31:59 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN102825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Oct 28 17:15:13 2025
Response via : Initial Calibration



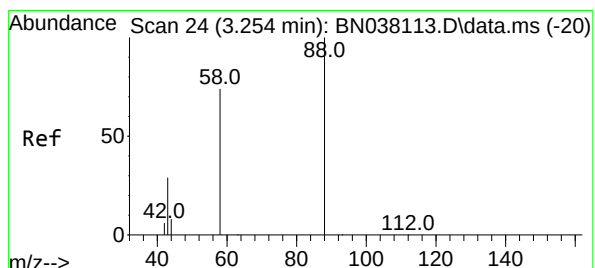
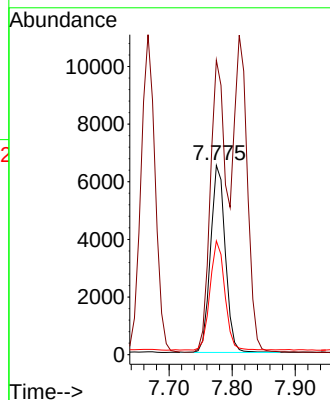
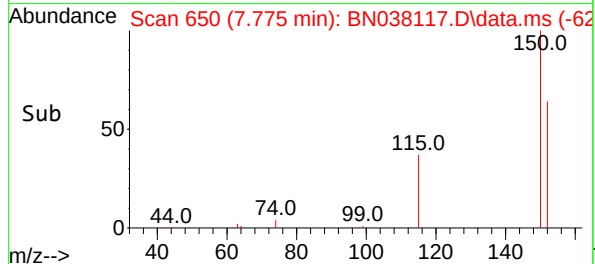


#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.775 min Scan# 61
Delta R.T. -0.000 min
Lab File: BN038117.D
Acq: 28 Oct 2025 16:38

Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

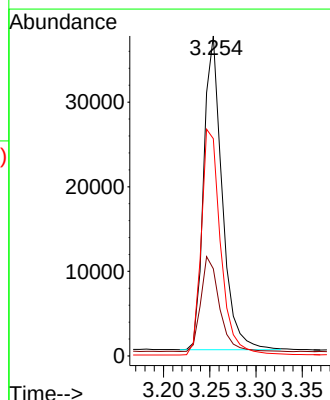
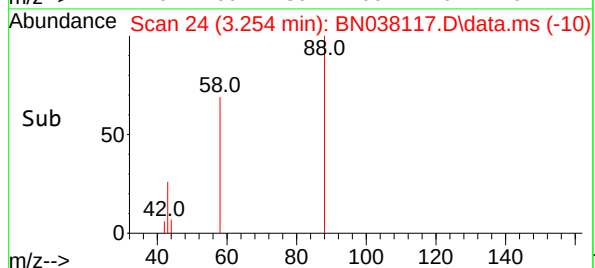
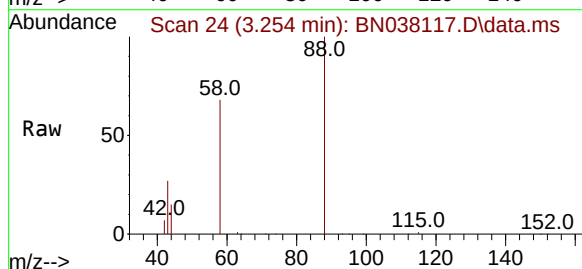


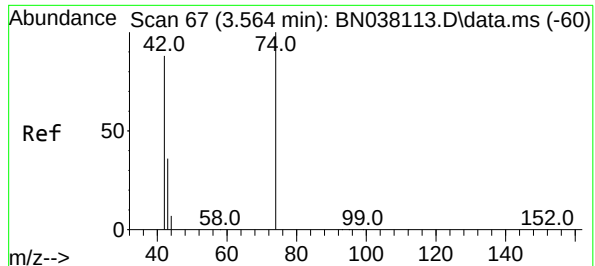
Tgt Ion:152 Resp: 10579
Ion Ratio Lower Upper
152 100
150 155.6 122.3 183.5
115 60.1 47.4 71.0



#2
1,4-Dioxane
Concen: 4.705 ng
RT: 3.254 min Scan# 24
Delta R.T. 0.000 min
Lab File: BN038117.D
Acq: 28 Oct 2025 16:38

Tgt Ion: 88 Resp: 51426
Ion Ratio Lower Upper
88 100
43 30.5 24.3 36.5
58 75.4 60.4 90.6

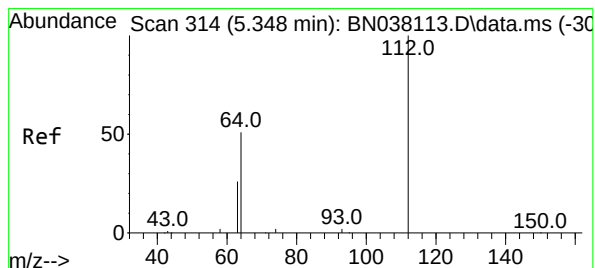
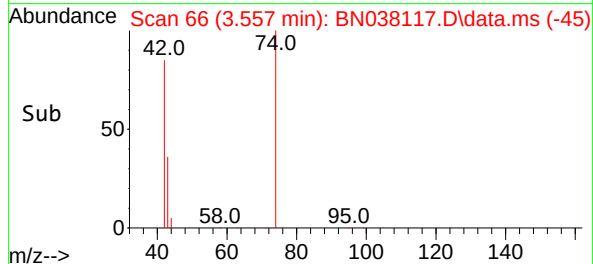
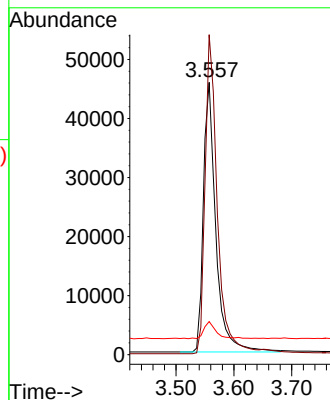
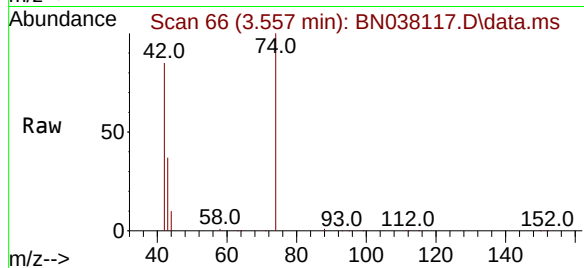




#3
n-Nitrosodimethylamine
Concen: 4.871 ng
RT: 3.557 min Scan# 60
Delta R.T. 0.000 min
Lab File: BN038117.D
Acq: 28 Oct 2025 16:38

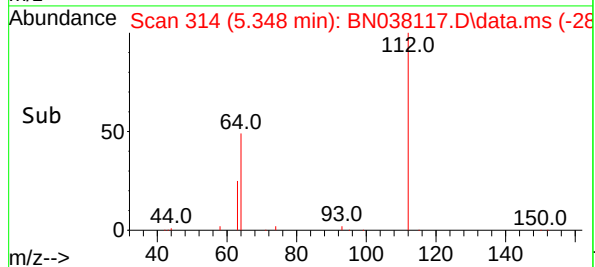
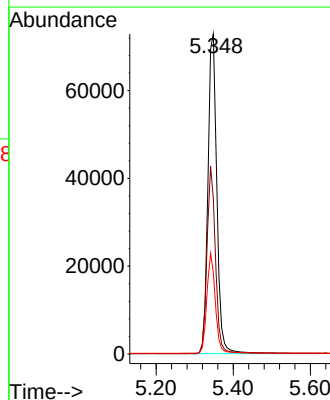
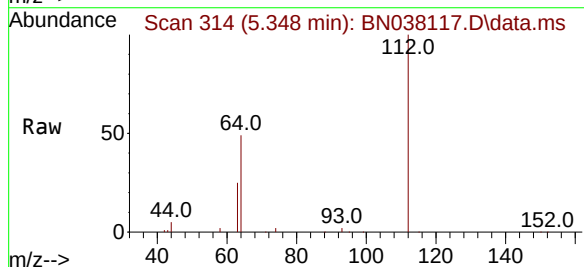
Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

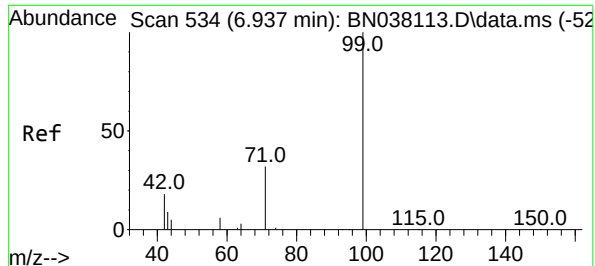
Tgt Ion: 42 Resp: 68522
Ion Ratio Lower Upper
42 100
74 116.1 96.8 145.2
44 6.5 5.3 7.9



#4
2-Fluorophenol
Concen: 4.679 ng
RT: 5.348 min Scan# 314
Delta R.T. 0.000 min
Lab File: BN038117.D
Acq: 28 Oct 2025 16:38

Tgt Ion: 112 Resp: 116608
Ion Ratio Lower Upper
112 100
64 56.1 45.4 68.0
63 29.9 23.2 34.8

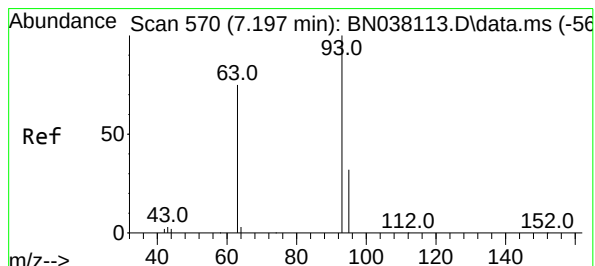
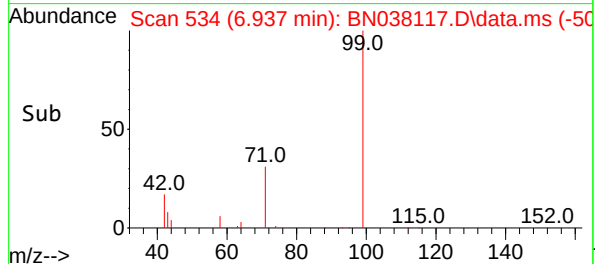
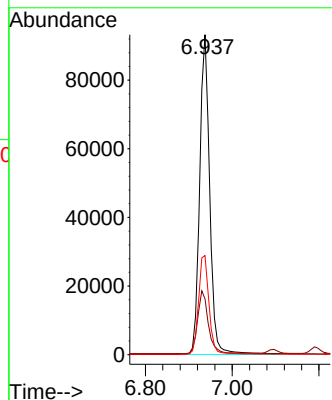
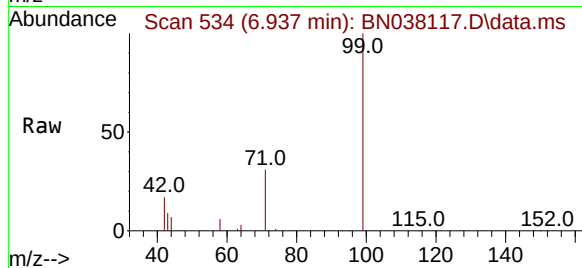




#5
Phenol-d6
Concen: 4.953 ng
RT: 6.937 min Scan# 51
Delta R.T. 0.000 min
Lab File: BN038117.D
Acq: 28 Oct 2025 16:38

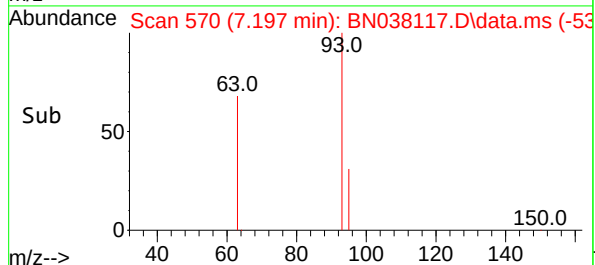
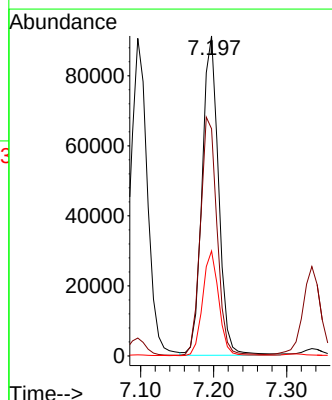
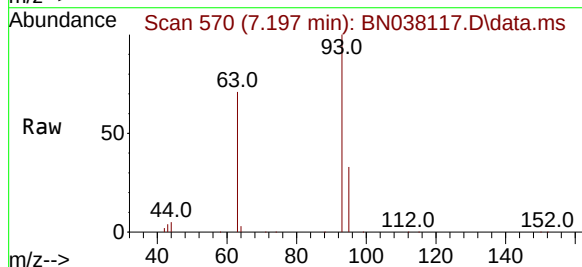
Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

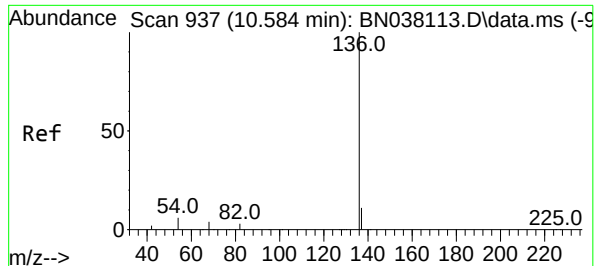
Tgt Ion: 99 Resp: 150343
Ion Ratio Lower Upper
99 100
42 20.9 16.6 24.8
71 32.5 25.4 38.2



#6
bis(2-Chloroethyl)ether
Concen: 4.784 ng
RT: 7.197 min Scan# 570
Delta R.T. 0.000 min
Lab File: BN038117.D
Acq: 28 Oct 2025 16:38

Tgt Ion: 93 Resp: 142662
Ion Ratio Lower Upper
93 100
63 74.9 59.3 88.9
95 31.9 25.2 37.8

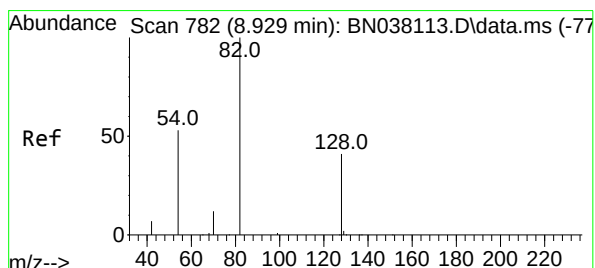
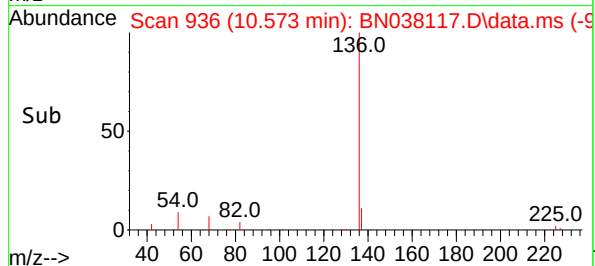
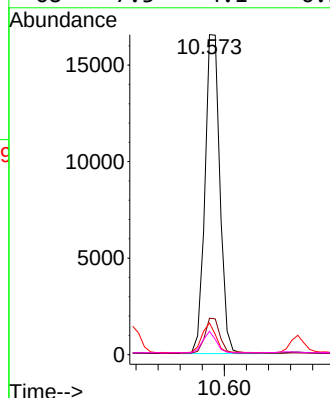
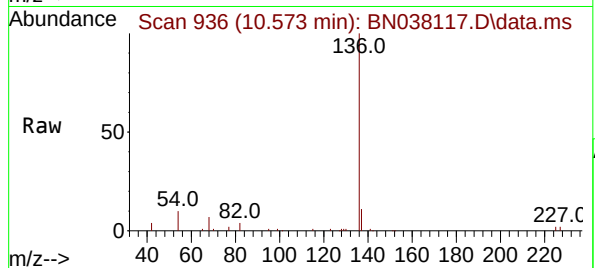




#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.573 min Scan# 91
Delta R.T. 0.000 min
Lab File: BN038117.D
Acq: 28 Oct 2025 16:38

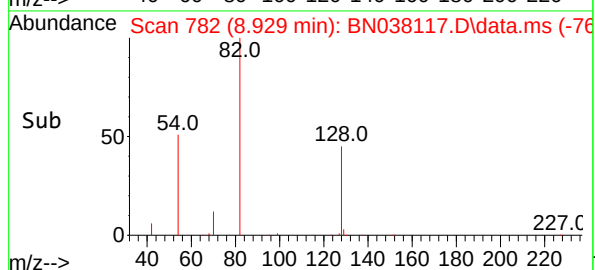
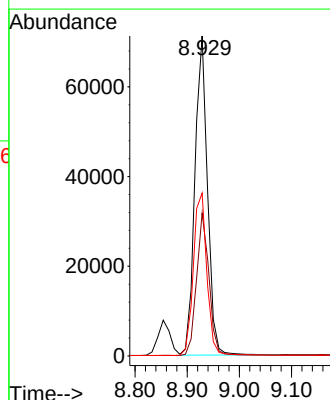
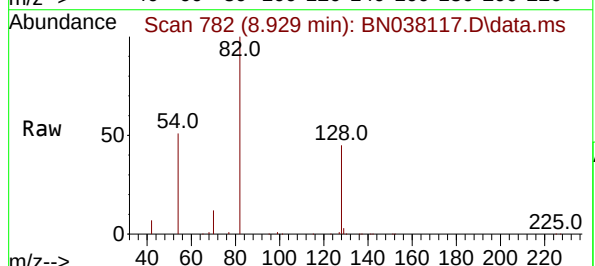
Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

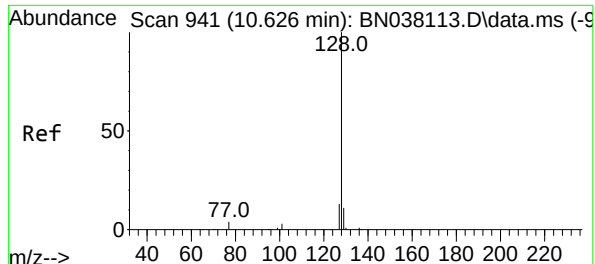
Tgt Ion:136 Resp: 31197
Ion Ratio Lower Upper
136 100
137 11.4 9.0 13.4
54 9.9 5.2 7.8#
68 7.3 4.1 6.1#



#8
Nitrobenzene-d5
Concen: 4.757 ng
RT: 8.929 min Scan# 782
Delta R.T. 0.000 min
Lab File: BN038117.D
Acq: 28 Oct 2025 16:38

Tgt Ion: 82 Resp: 119764
Ion Ratio Lower Upper
82 100
128 44.7 34.1 51.1
54 50.9 43.5 65.3

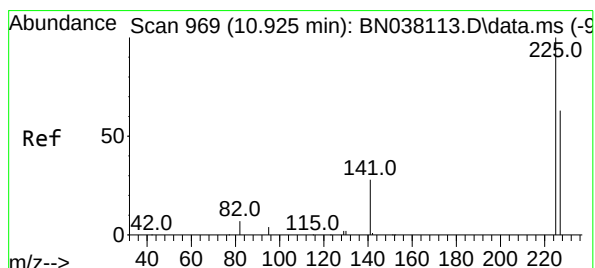
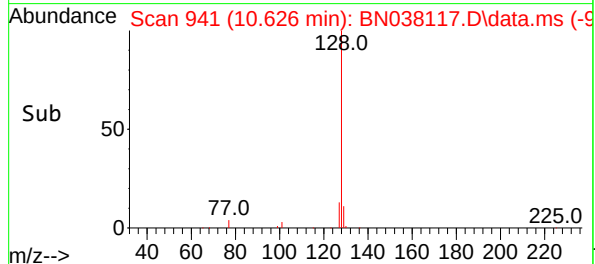
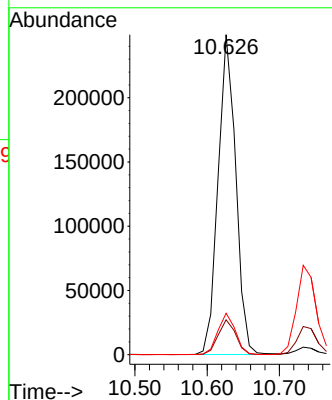
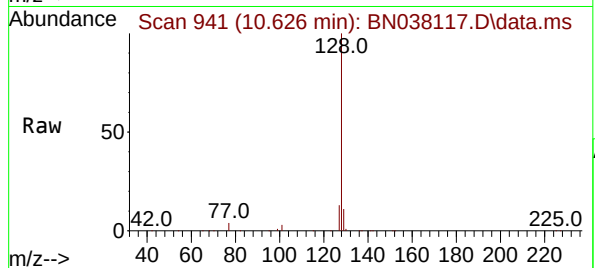




#9
Naphthalene
Concen: 4.920 ng
RT: 10.626 min Scan# 941
Delta R.T. 0.000 min
Lab File: BN038117.D
Acq: 28 Oct 2025 16:38

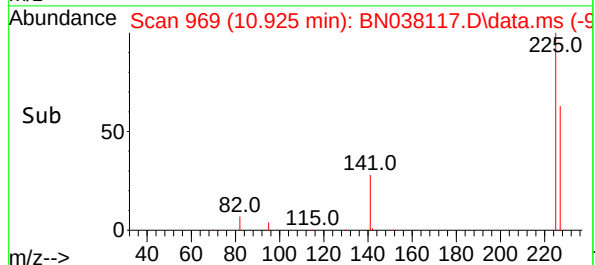
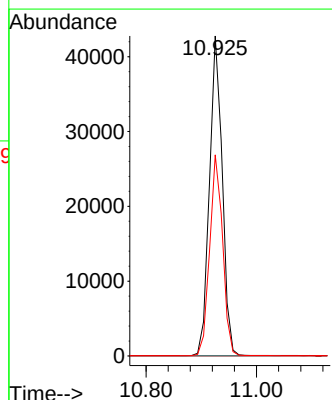
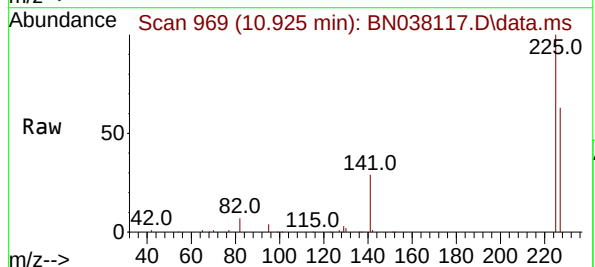
Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

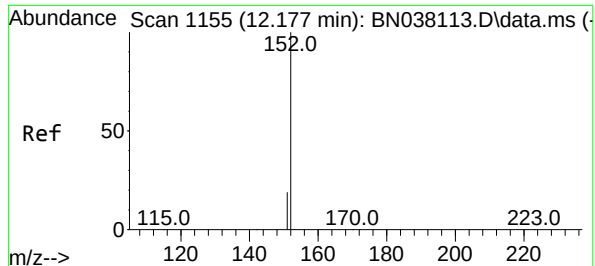
Tgt Ion:128 Resp: 422794
Ion Ratio Lower Upper
128 100
129 10.9 9.1 13.7
127 13.0 10.5 15.7



#10
Hexachlorobutadiene
Concen: 4.748 ng
RT: 10.925 min Scan# 969
Delta R.T. 0.000 min
Lab File: BN038117.D
Acq: 28 Oct 2025 16:38

Tgt Ion:225 Resp: 68839
Ion Ratio Lower Upper
225 100
223 0.0 0.0 0.0
227 63.6 50.3 75.5

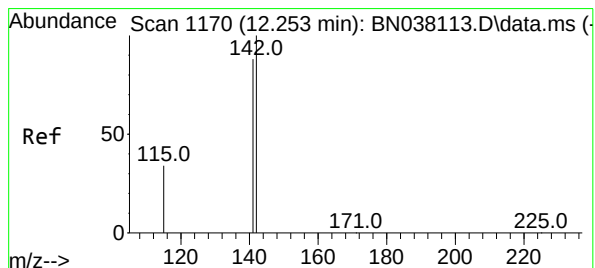
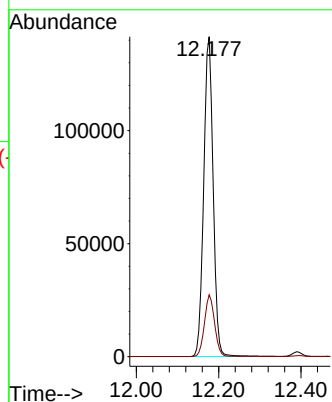
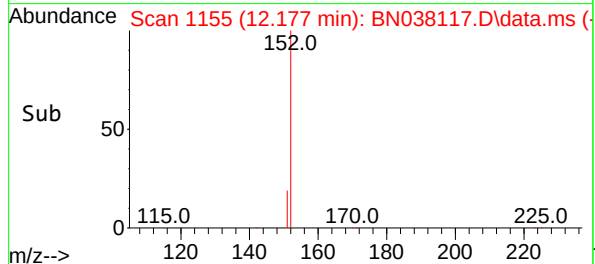
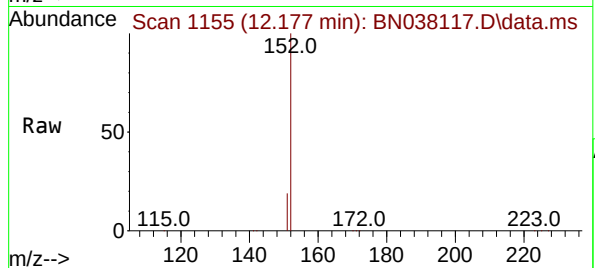




#11
2-Methylnaphthalene-d10
Concen: 5.068 ng
RT: 12.177 min Scan# 1155
Delta R.T. 0.000 min
Lab File: BN038117.D
Acq: 28 Oct 2025 16:38

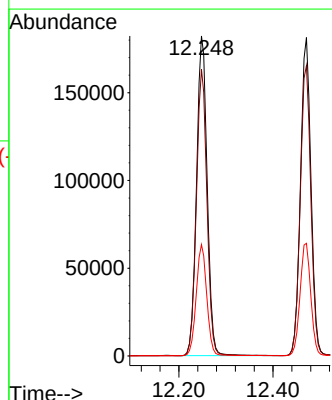
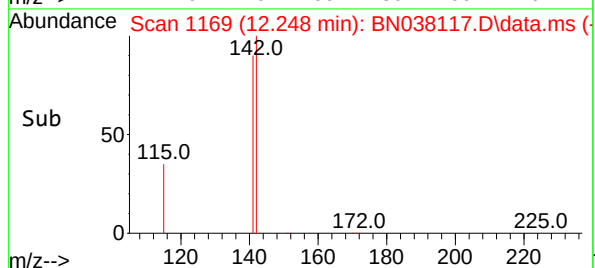
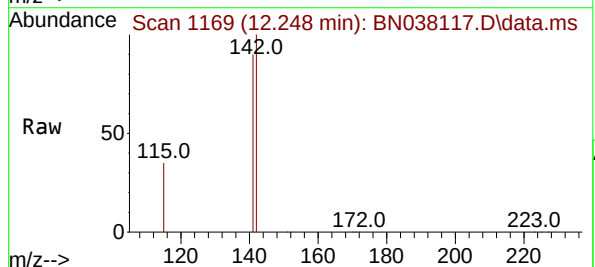
Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

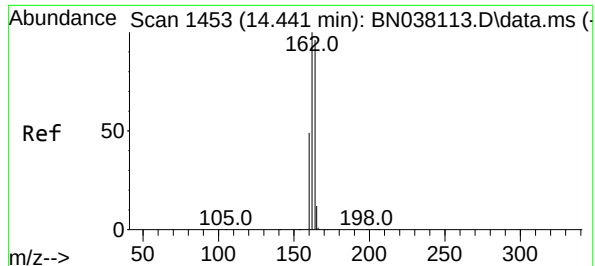
Tgt Ion:152 Resp: 225769
Ion Ratio Lower Upper
152 100
151 20.8 16.8 25.2



#12
2-Methylnaphthalene
Concen: 5.025 ng
RT: 12.248 min Scan# 1169
Delta R.T. 0.000 min
Lab File: BN038117.D
Acq: 28 Oct 2025 16:38

Tgt Ion:142 Resp: 287955
Ion Ratio Lower Upper
142 100
141 89.6 70.3 105.5
115 34.8 27.8 41.6

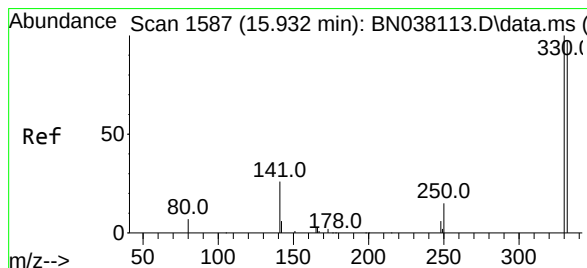
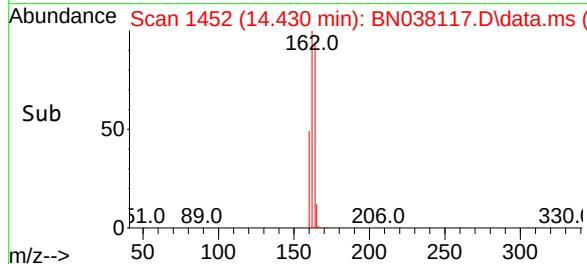
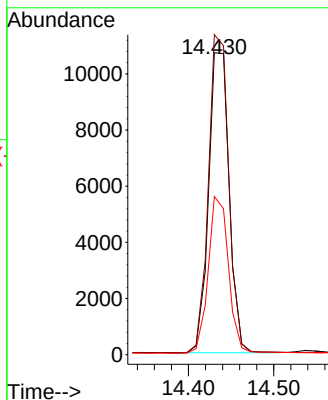
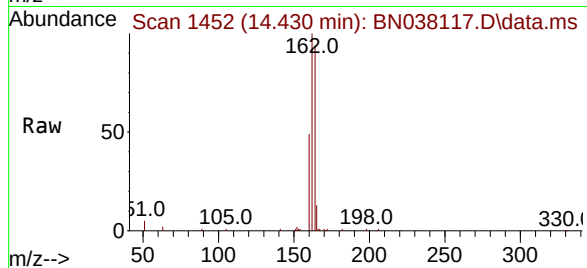




#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.430 min Scan# 1453
Delta R.T. 0.000 min
Lab File: BN038117.D
Acq: 28 Oct 2025 16:38

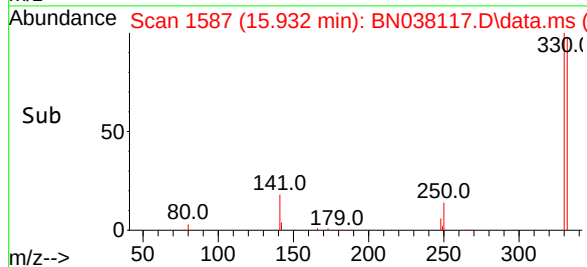
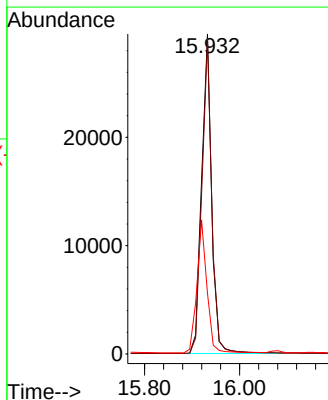
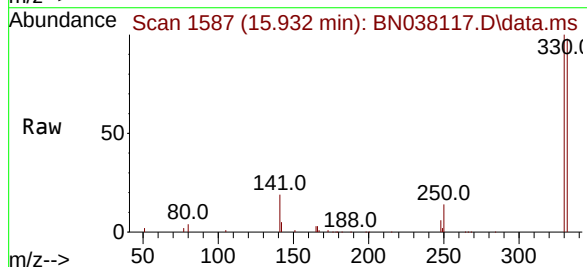
Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

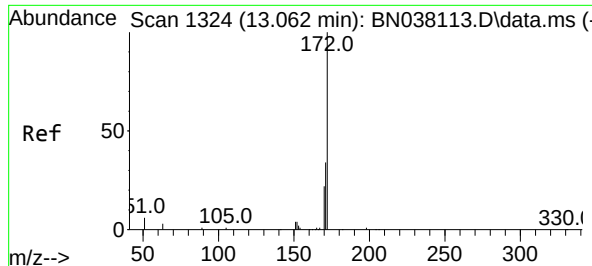
Tgt Ion:164 Resp: 17960
Ion Ratio Lower Upper
164 100
162 106.0 83.0 124.4
160 52.4 40.7 61.1



#14
2,4,6-Tribromophenol
Concen: 5.881 ng
RT: 15.932 min Scan# 1587
Delta R.T. 0.000 min
Lab File: BN038117.D
Acq: 28 Oct 2025 16:38

Tgt Ion:330 Resp: 43520
Ion Ratio Lower Upper
330 100
332 97.0 76.6 114.8
141 41.2 34.1 51.1

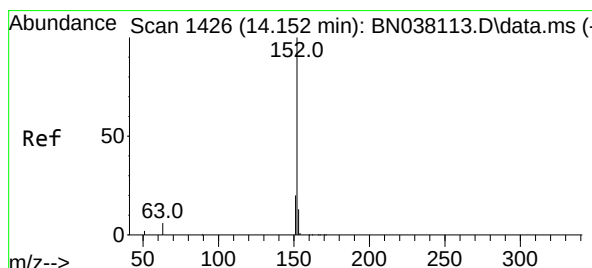
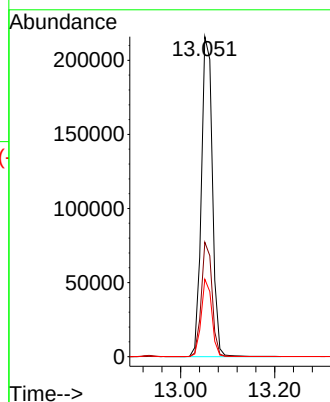
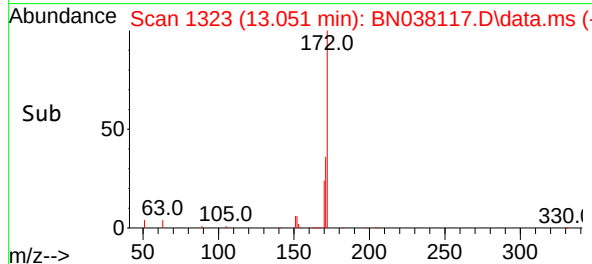
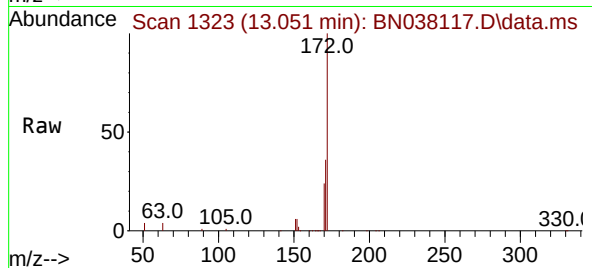




#15
2-Fluorobiphenyl
Concen: 4.667 ng
RT: 13.051 min Scan# 1323
Delta R.T. 0.000 min
Lab File: BN038117.D
Acq: 28 Oct 2025 16:38

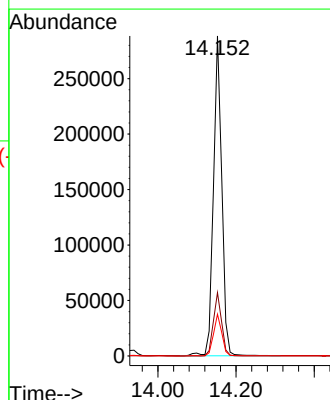
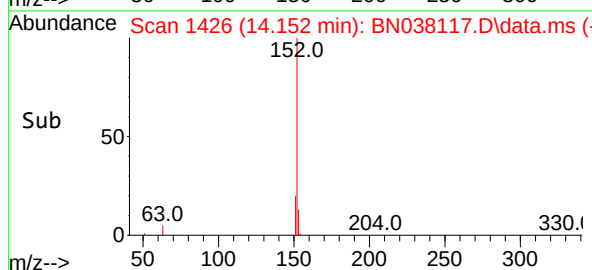
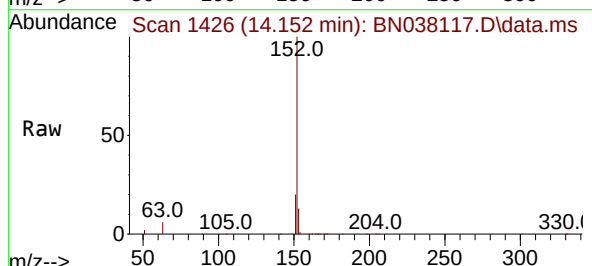
Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

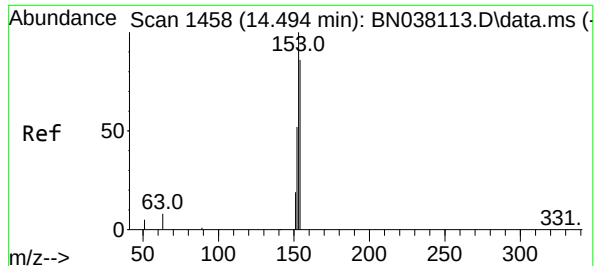
Tgt Ion:172 Resp: 335695
Ion Ratio Lower Upper
172 100
171 35.8 27.8 41.6
170 24.2 18.1 27.1



#16
Acenaphthylene
Concen: 5.267 ng
RT: 14.152 min Scan# 1426
Delta R.T. 0.000 min
Lab File: BN038117.D
Acq: 28 Oct 2025 16:38

Tgt Ion:152 Resp: 428380
Ion Ratio Lower Upper
152 100
151 19.5 15.8 23.8
153 13.0 10.2 15.2

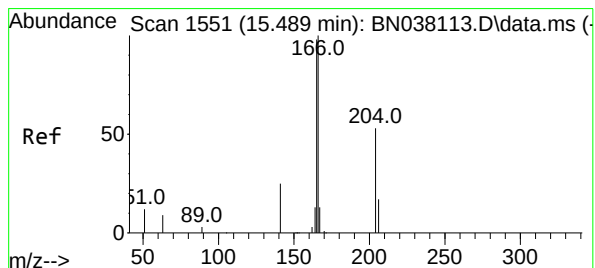
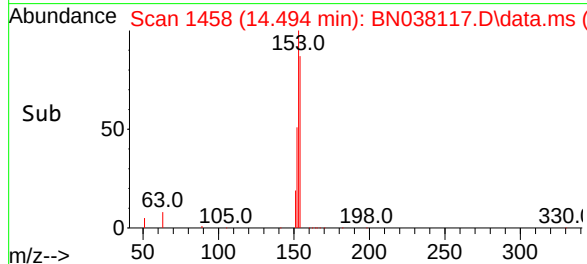
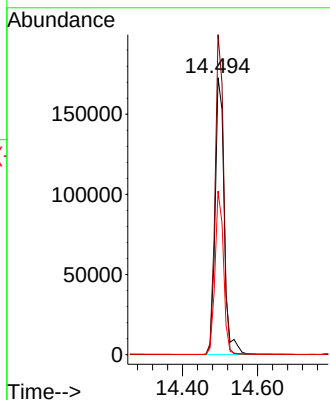
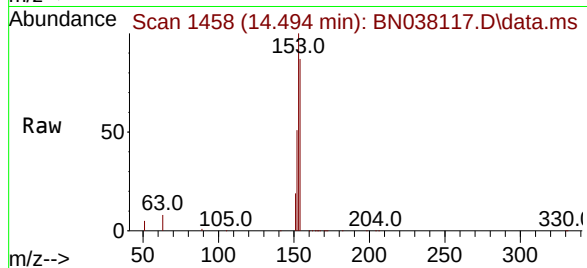




#17
Acenaphthene
Concen: 5.117 ng
RT: 14.494 min Scan# 1458
Delta R.T. 0.000 min
Lab File: BN038117.D
Acq: 28 Oct 2025 16:38

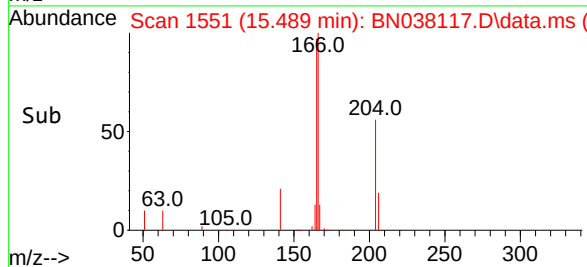
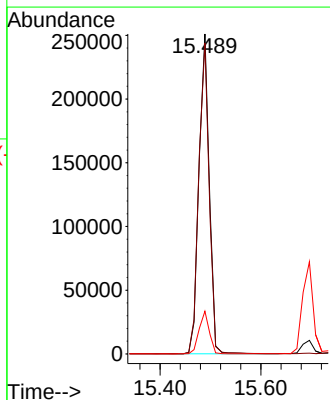
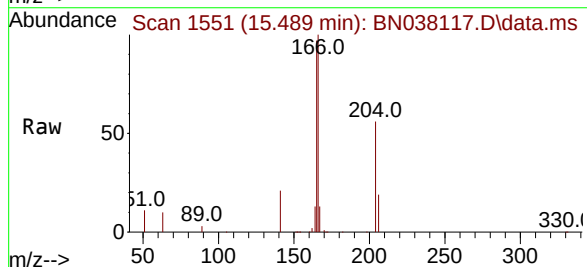
Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

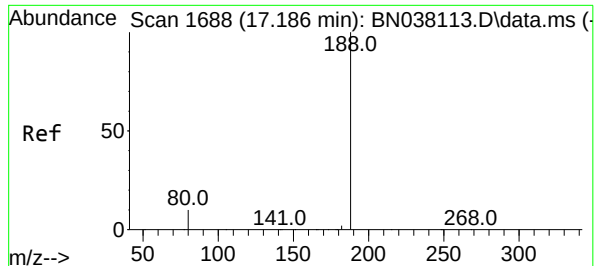
Tgt Ion:154 Resp: 291166
Ion Ratio Lower Upper
154 100
153 108.1 90.0 135.0
152 55.0 47.3 70.9



#18
Fluorene
Concen: 5.227 ng
RT: 15.489 min Scan# 1551
Delta R.T. -0.000 min
Lab File: BN038117.D
Acq: 28 Oct 2025 16:38

Tgt Ion:166 Resp: 389813
Ion Ratio Lower Upper
166 100
165 97.0 79.0 118.4
167 13.1 10.7 16.1





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 17.186 min Scan# 1

Delta R.T. 0.000 min

Lab File: BN038117.D

Acq: 28 Oct 2025 16:38

Instrument :

BNA_N

ClientSampleId :

SSTDICC5.0

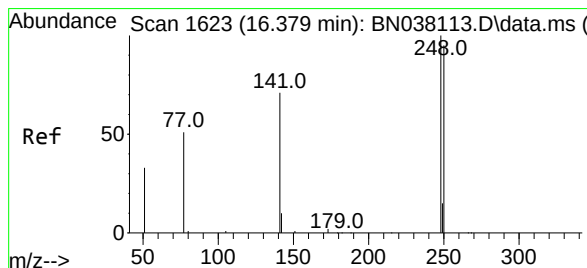
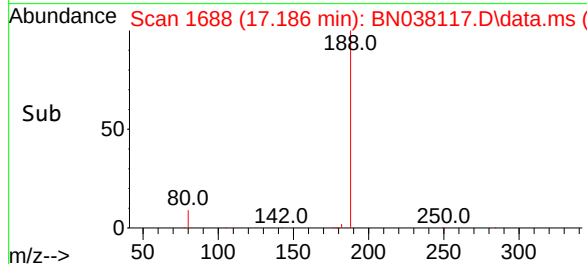
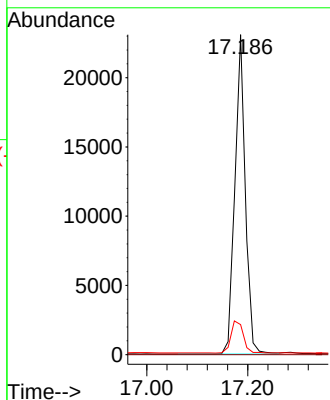
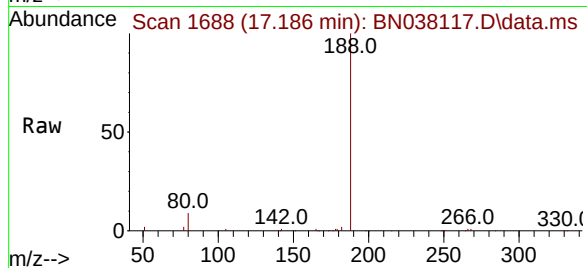
Tgt Ion:188 Resp: 33242

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

80 9.4 8.6 13.0



#21

4-Bromophenyl-phenylether

Concen: 5.239 ng

RT: 16.379 min Scan# 1623

Delta R.T. 0.000 min

Lab File: BN038117.D

Acq: 28 Oct 2025 16:38

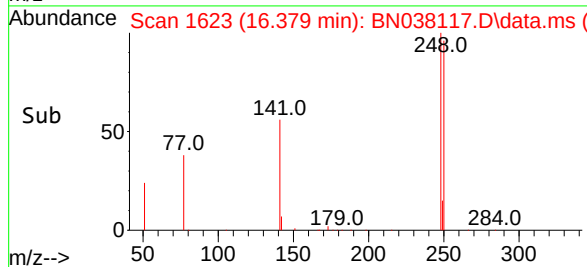
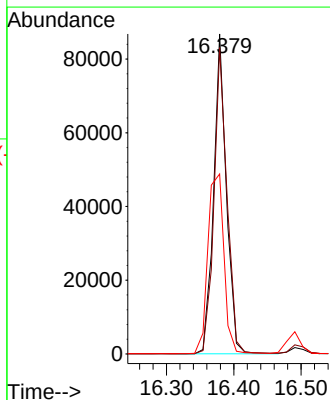
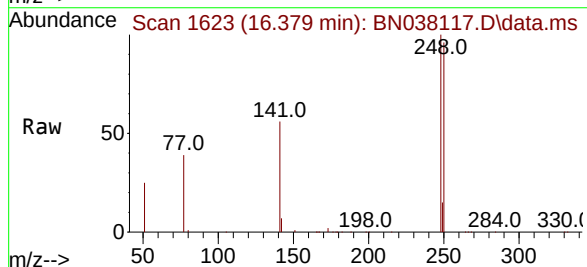
Tgt Ion:248 Resp: 114170

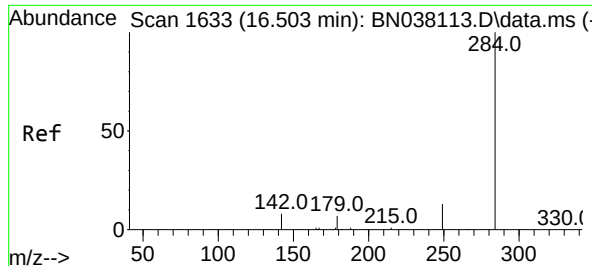
Ion Ratio Lower Upper

248 100

250 95.7 76.2 114.2

141 56.3 57.6 86.4#

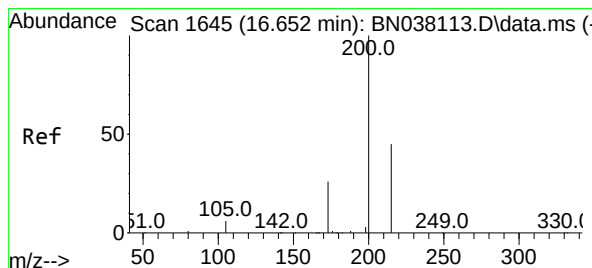
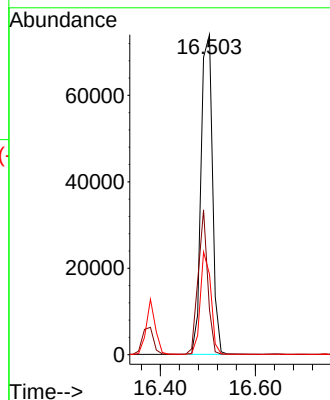
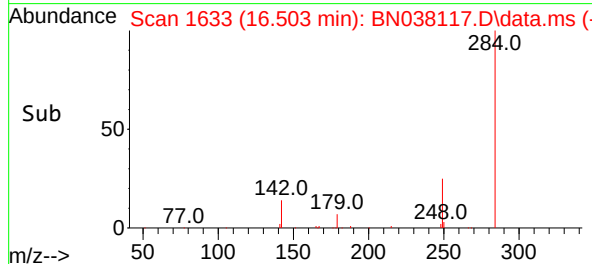
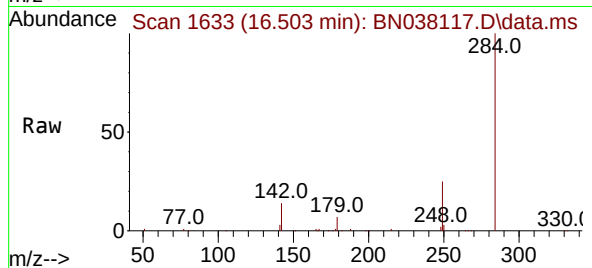




#22
Hexachlorobenzene
Concen: 5.003 ng
RT: 16.503 min Scan# 1633
Delta R.T. 0.000 min
Lab File: BN038117.D
Acq: 28 Oct 2025 16:38

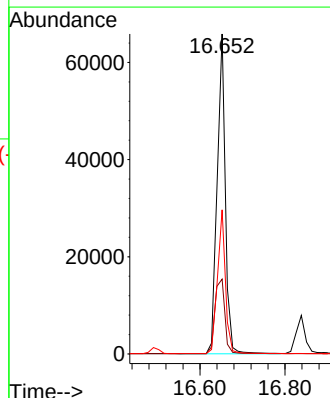
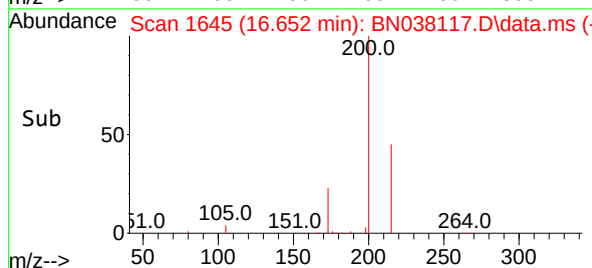
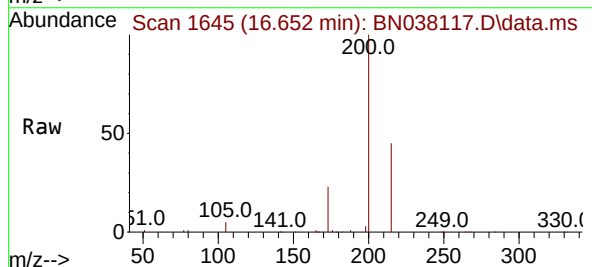
Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

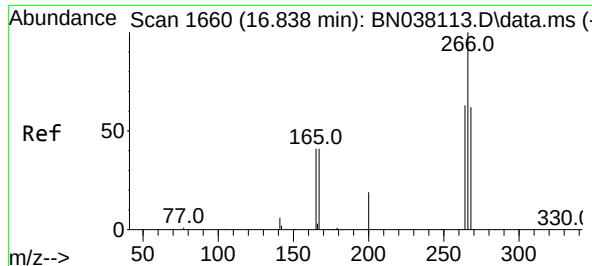
Tgt Ion:284 Resp: 123999
Ion Ratio Lower Upper
284 100
142 37.6 30.5 45.7
249 29.6 23.5 35.3



#23
Atrazine
Concen: 5.501 ng
RT: 16.652 min Scan# 1645
Delta R.T. 0.000 min
Lab File: BN038117.D
Acq: 28 Oct 2025 16:38

Tgt Ion:200 Resp: 87823
Ion Ratio Lower Upper
200 100
173 23.4 21.4 32.2
215 45.1 36.7 55.1

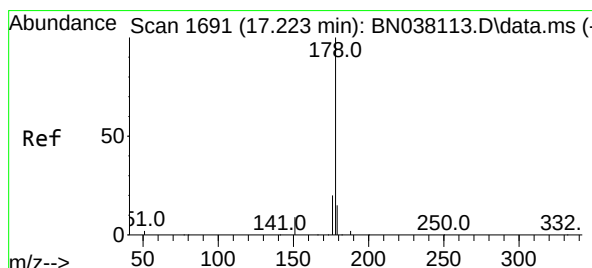
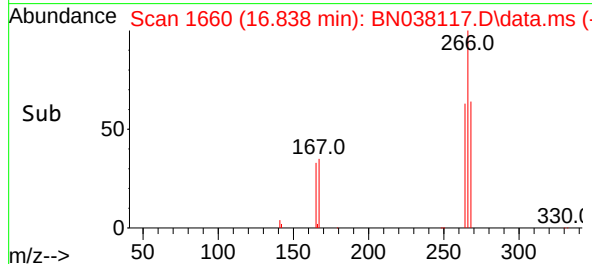
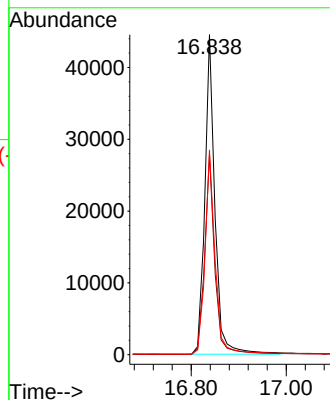
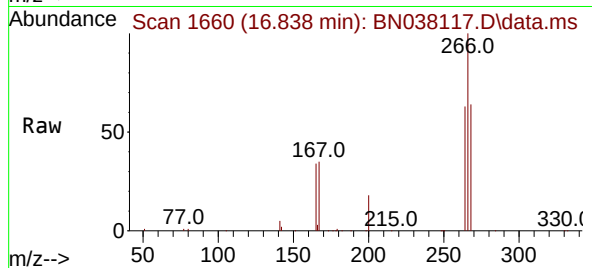




#24
Pentachlorophenol
Concen: 6.188 ng
RT: 16.838 min Scan# 1660
Delta R.T. 0.000 min
Lab File: BN038117.D
Acq: 28 Oct 2025 16:38

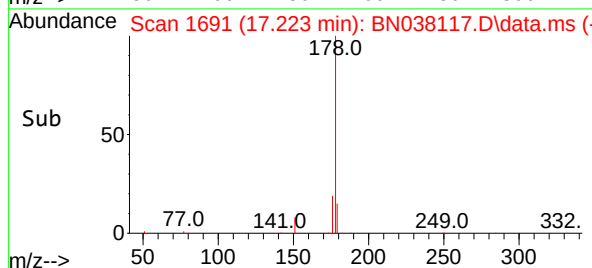
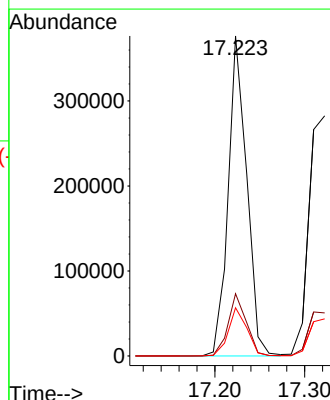
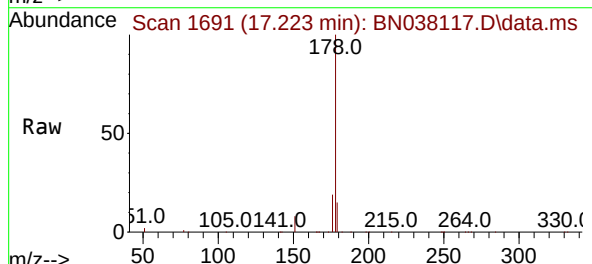
Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

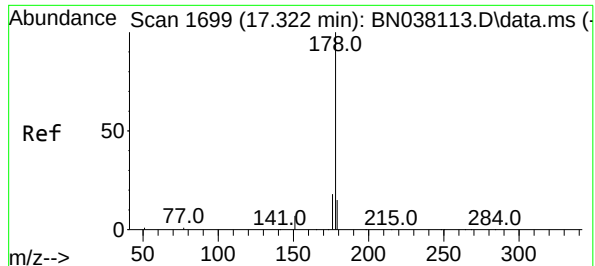
Tgt Ion	266	Resp	66071
Ion Ratio	Lower	Upper	
266	100		
264	62.7	49.3	73.9
268	64.1	50.6	75.8



#25
Phenanthrene
Concen: 5.110 ng
RT: 17.223 min Scan# 1691
Delta R.T. 0.000 min
Lab File: BN038117.D
Acq: 28 Oct 2025 16:38

Tgt Ion	178	Resp	539294
Ion Ratio	Lower	Upper	
178	100		
176	19.2	15.5	23.3
179	15.1	12.2	18.4

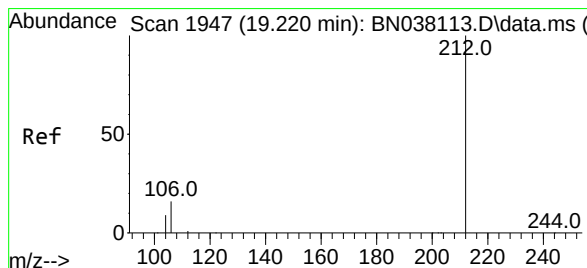
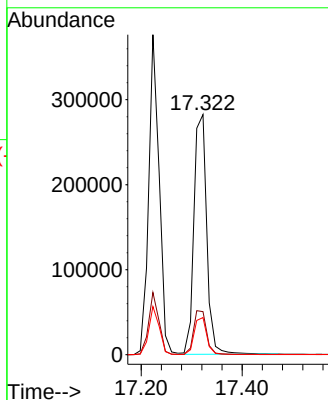
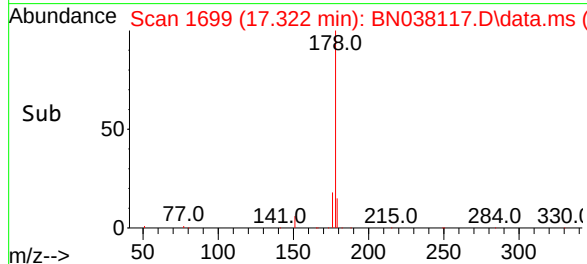
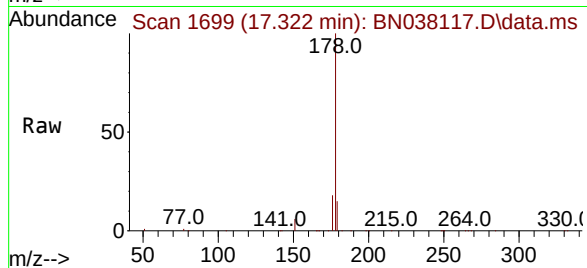




#26
Anthracene
Concen: 5.411 ng
RT: 17.322 min Scan# 1699
Delta R.T. 0.000 min
Lab File: BN038117.D
Acq: 28 Oct 2025 16:38

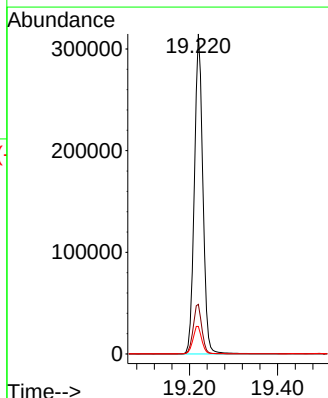
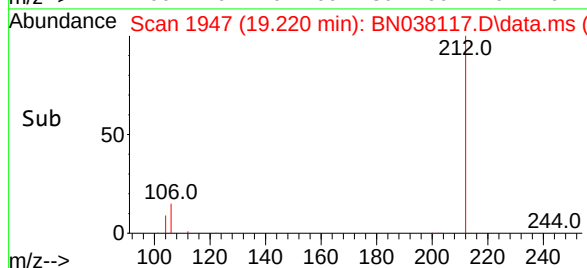
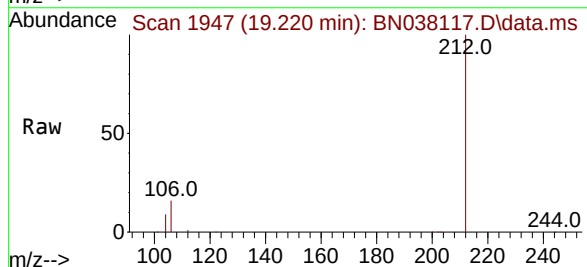
Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

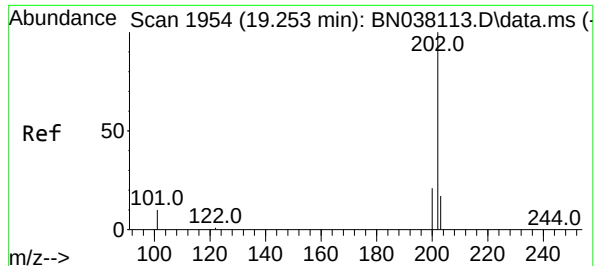
Tgt Ion:178 Resp: 499584
Ion Ratio Lower Upper
178 100
176 18.6 14.9 22.3
179 15.3 11.8 17.8



#27
Fluoranthene-d10
Concen: 5.003 ng
RT: 19.220 min Scan# 1947
Delta R.T. 0.000 min
Lab File: BN038117.D
Acq: 28 Oct 2025 16:38

Tgt Ion:212 Resp: 419371
Ion Ratio Lower Upper
212 100
106 15.8 12.6 19.0
104 8.9 7.1 10.7

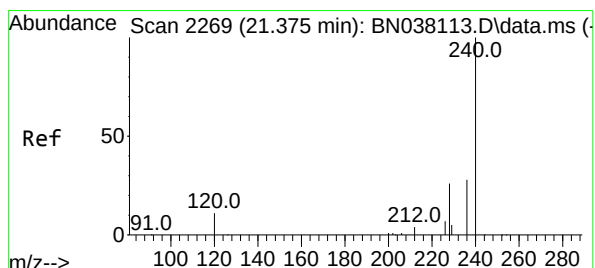
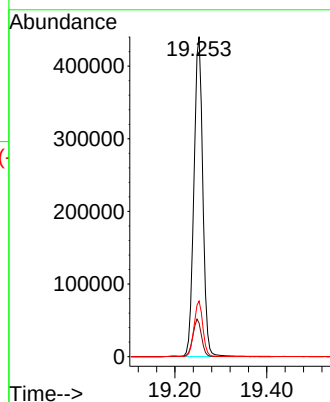
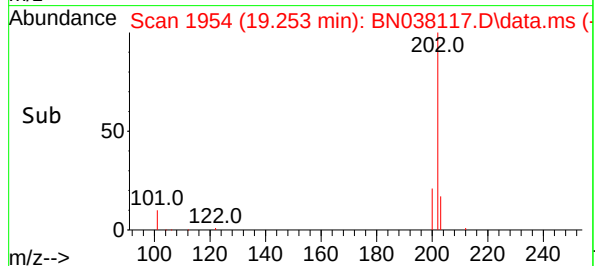
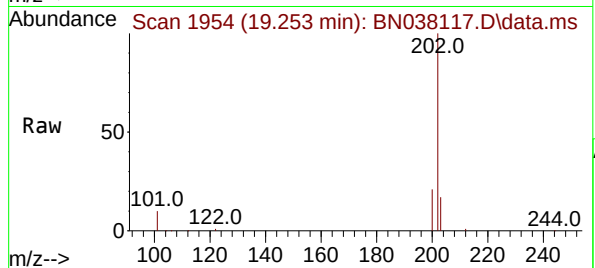




#28
Fluoranthene
Concen: 4.984 ng
RT: 19.253 min Scan# 1954
Delta R.T. 0.000 min
Lab File: BN038117.D
Acq: 28 Oct 2025 16:38

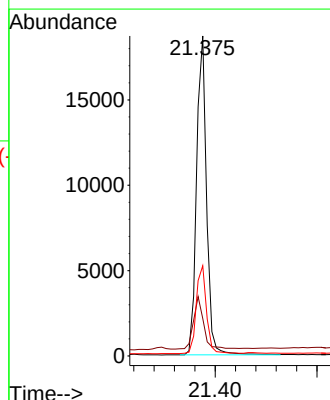
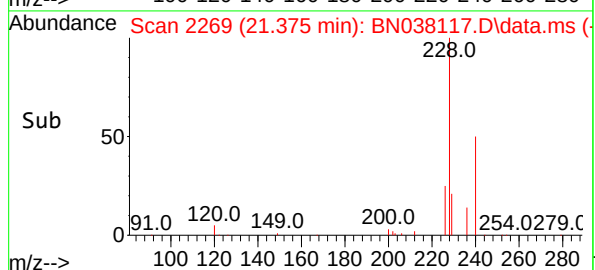
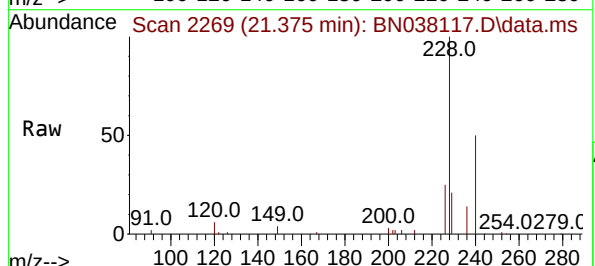
Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

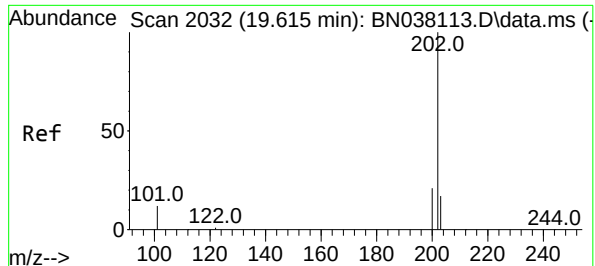
Tgt Ion:202 Resp: 587710
Ion Ratio Lower Upper
202 100
101 11.7 9.4 14.2
203 17.3 13.4 20.2



#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.375 min Scan# 2269
Delta R.T. 0.000 min
Lab File: BN038117.D
Acq: 28 Oct 2025 16:38

Tgt Ion:240 Resp: 25416
Ion Ratio Lower Upper
240 100
120 11.7 10.7 16.1
236 28.2 23.1 34.7

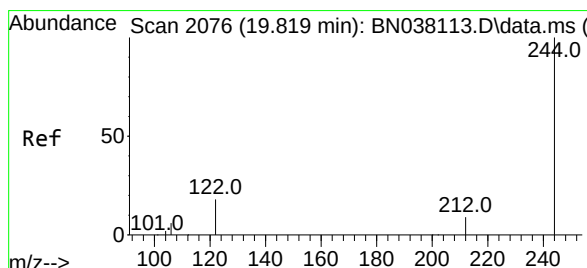
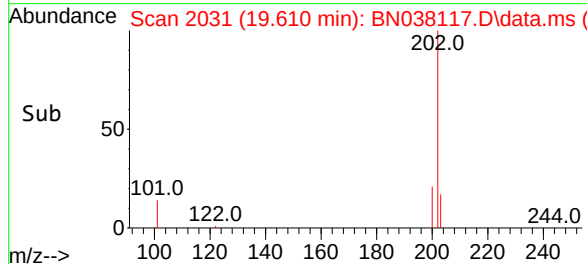
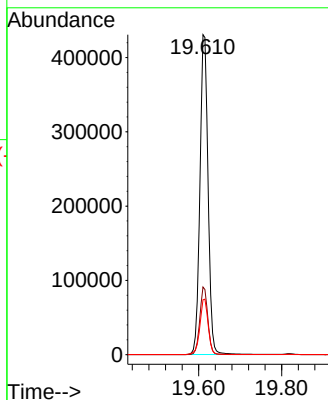
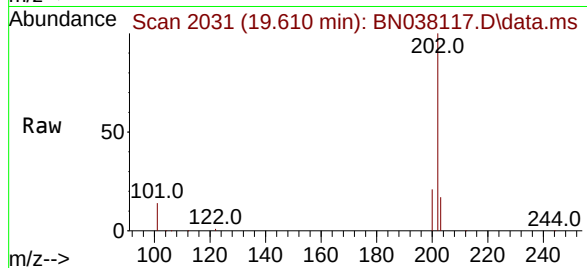




#30
Pyrene
Concen: 5.112 ng
RT: 19.610 min Scan# 2032
Delta R.T. 0.000 min
Lab File: BN038117.D
Acq: 28 Oct 2025 16:38

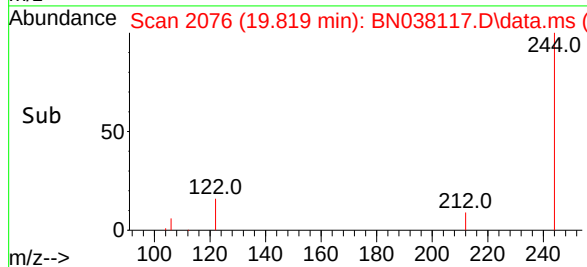
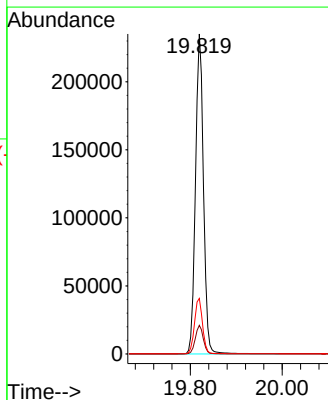
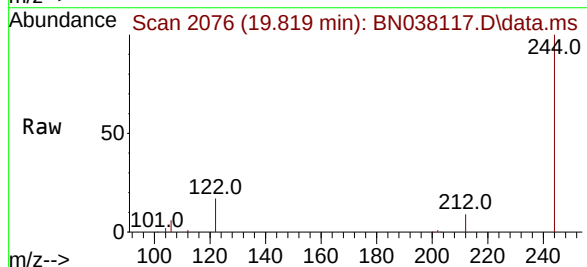
Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

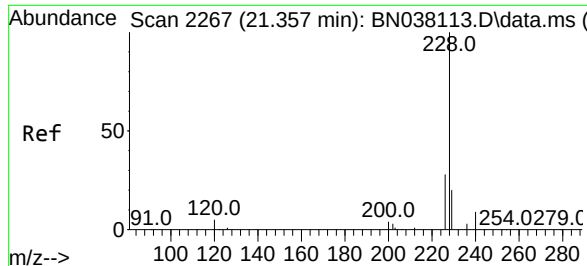
Tgt Ion:202 Resp: 586526
Ion Ratio Lower Upper
202 100
200 21.0 16.7 25.1
203 17.8 14.2 21.2



#31
Terphenyl-d14
Concen: 5.127 ng
RT: 19.819 min Scan# 2076
Delta R.T. 0.000 min
Lab File: BN038117.D
Acq: 28 Oct 2025 16:38

Tgt Ion:244 Resp: 283126
Ion Ratio Lower Upper
244 100
212 8.9 7.8 11.6
122 17.3 15.2 22.8

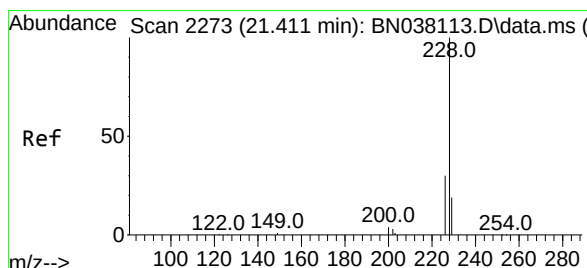
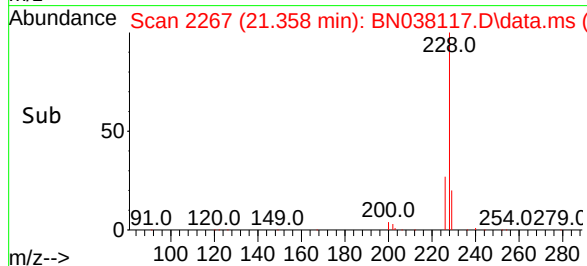
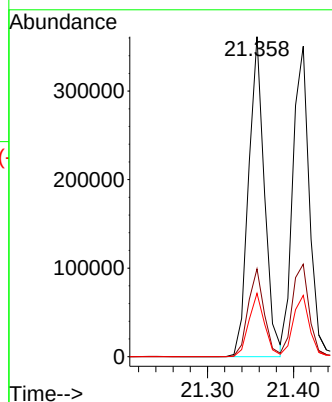
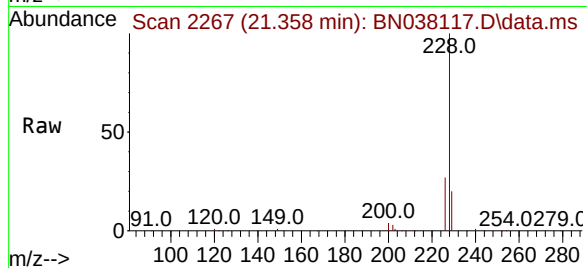




#32
Benzo(a)anthracene
Concen: 5.100 ng
RT: 21.358 min Scan# 2135
Delta R.T. 0.000 min
Lab File: BN038117.D
Acq: 28 Oct 2025 16:38

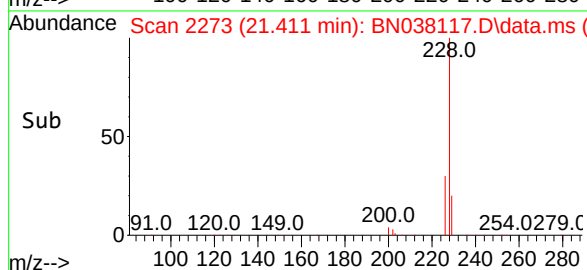
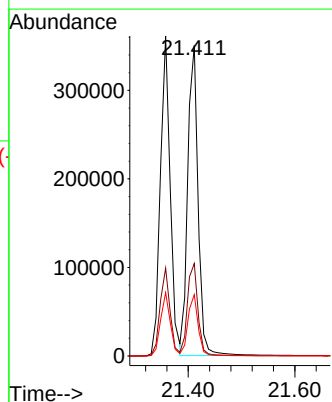
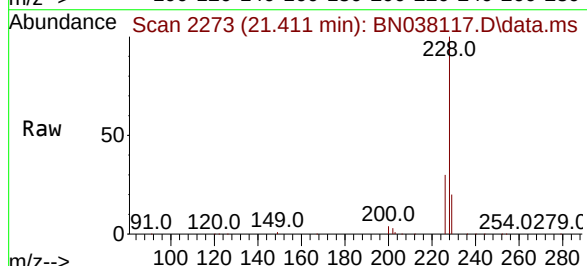
Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

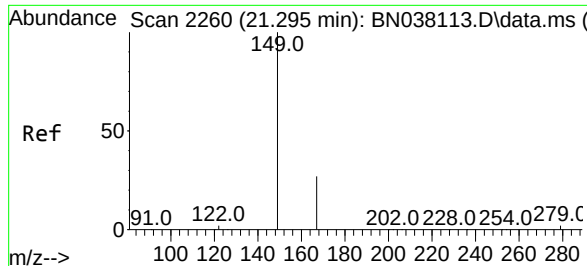
Tgt Ion:228 Resp: 462496
Ion Ratio Lower Upper
228 100
226 27.4 22.2 33.4
229 19.8 15.8 23.8



#33
Chrysene
Concen: 4.811 ng
RT: 21.411 min Scan# 2273
Delta R.T. 0.000 min
Lab File: BN038117.D
Acq: 28 Oct 2025 16:38

Tgt Ion:228 Resp: 473389
Ion Ratio Lower Upper
228 100
226 29.8 24.3 36.5
229 19.8 15.7 23.5

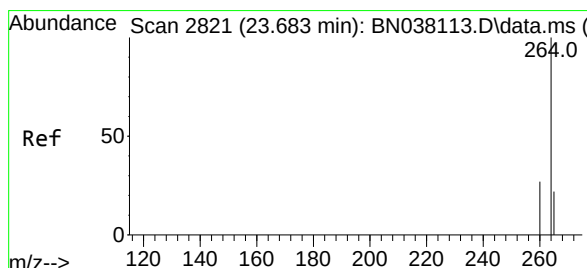
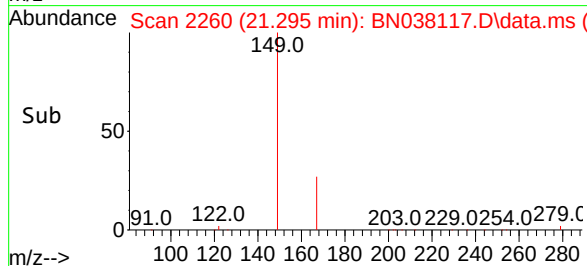
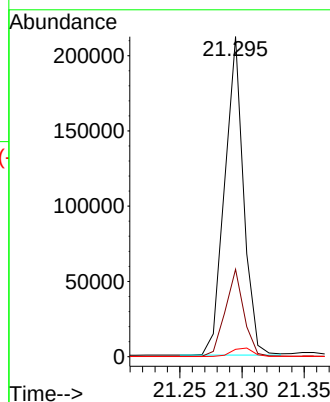
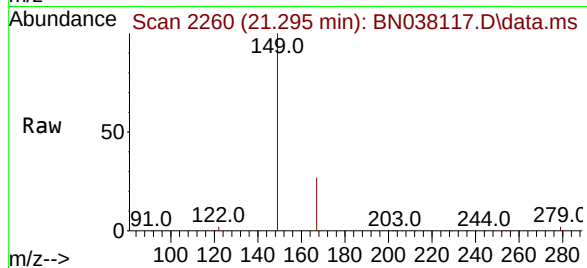




#34
Bis(2-ethylhexyl)phthalate
Concen: 4.679 ng
RT: 21.295 min Scan# 21
Delta R.T. 0.000 min
Lab File: BN038117.D
Acq: 28 Oct 2025 16:38

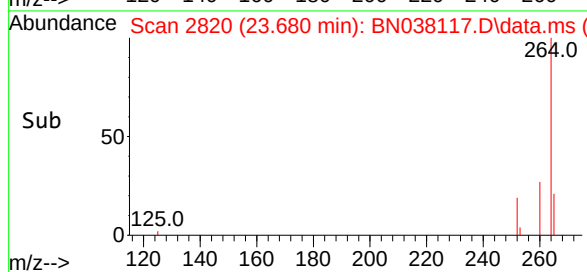
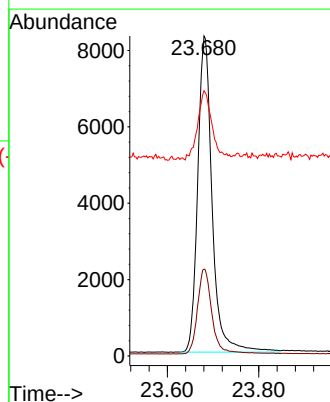
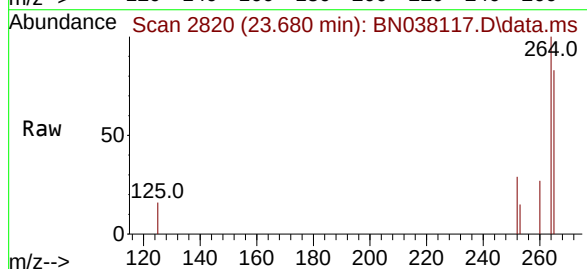
Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

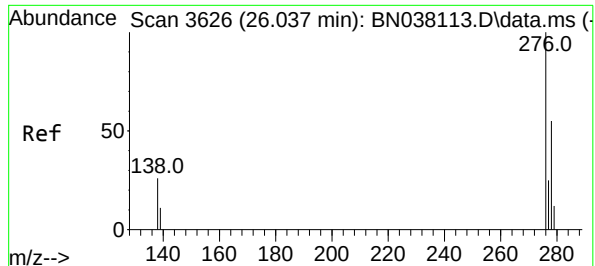
Tgt Ion:149 Resp: 223481
Ion Ratio Lower Upper
149 100
167 27.0 21.1 31.7
279 3.1 2.9 4.3



#35
Perylene-d12
Concen: 0.400 ng
RT: 23.680 min Scan# 2820
Delta R.T. 0.000 min
Lab File: BN038117.D
Acq: 28 Oct 2025 16:38

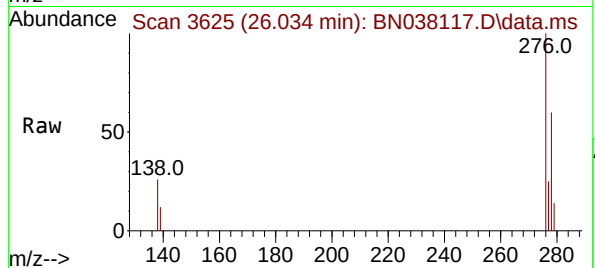
Tgt Ion:264 Resp: 18172
Ion Ratio Lower Upper
264 100
260 27.2 21.8 32.8
265 82.9 68.6 102.8



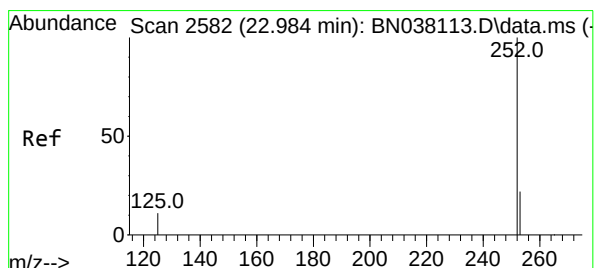
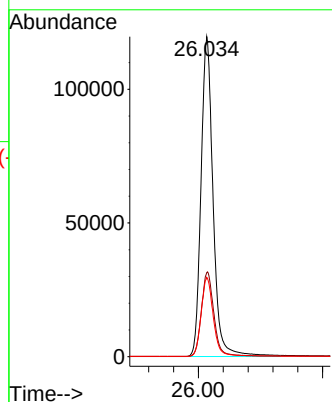
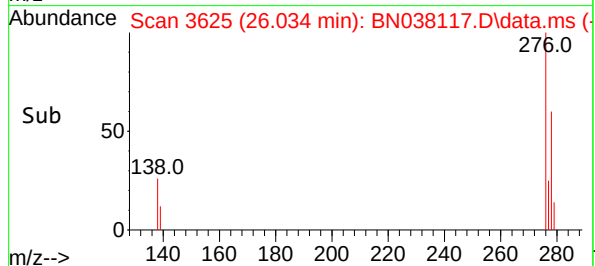


#36
Indeno(1,2,3-cd)pyrene
Concen: 5.409 ng
RT: 26.034 min Scan# 3626
Delta R.T. 0.000 min
Lab File: BN038117.D
Acq: 28 Oct 2025 16:38

Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

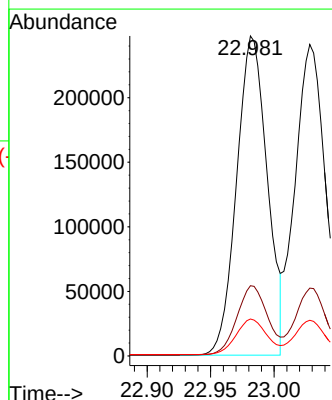
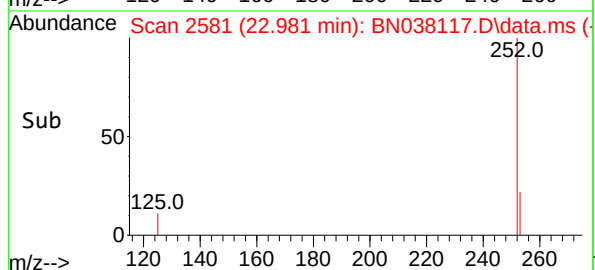
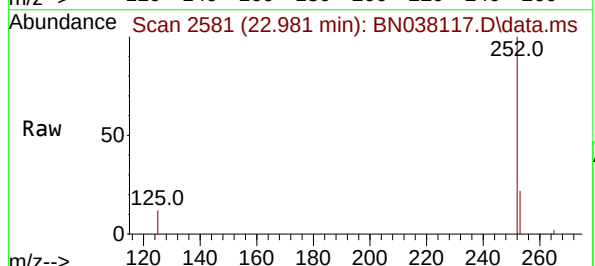


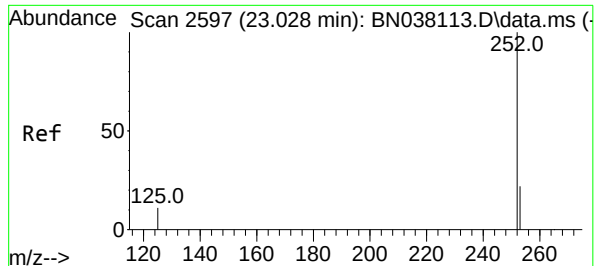
Tgt Ion:276 Resp: 403825
Ion Ratio Lower Upper
276 100
138 27.3 21.4 32.0
277 24.9 19.2 28.8



#37
Benzo(b)fluoranthene
Concen: 5.326 ng
RT: 22.981 min Scan# 2581
Delta R.T. 0.000 min
Lab File: BN038117.D
Acq: 28 Oct 2025 16:38

Tgt Ion:252 Resp: 413811
Ion Ratio Lower Upper
252 100
253 22.0 20.9 31.3
125 11.5 14.1 21.1#





#38

Benzo(k)fluoranthene

Concen: 5.387 ng

RT: 23.028 min Scan# 21

Delta R.T. 0.000 min

Lab File: BN038117.D

Acq: 28 Oct 2025 16:38

Instrument :

BNA_N

ClientSampleId :

SSTDICC5.0

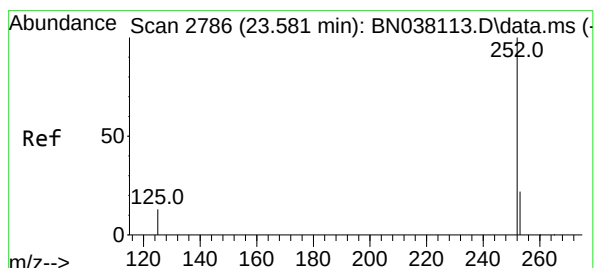
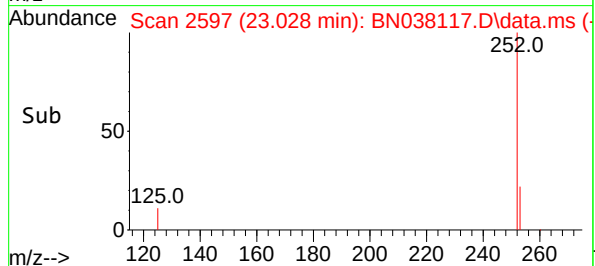
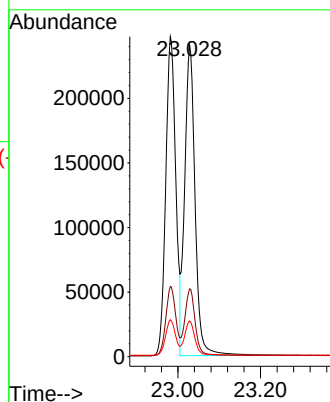
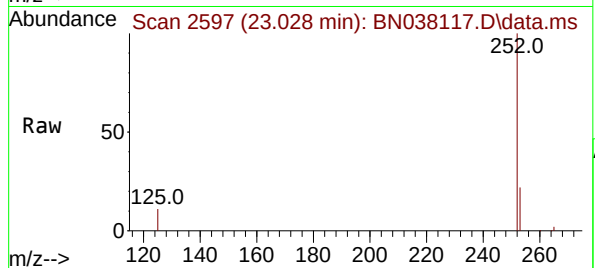
Tgt Ion:252 Resp: 421255

Ion Ratio Lower Upper

252 100

253 21.8 21.2 31.8

125 11.4 14.6 22.0#



#39

Benzo(a)pyrene

Concen: 5.340 ng

RT: 23.578 min Scan# 2785

Delta R.T. 0.000 min

Lab File: BN038117.D

Acq: 28 Oct 2025 16:38

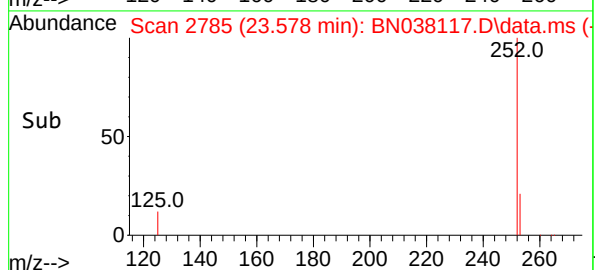
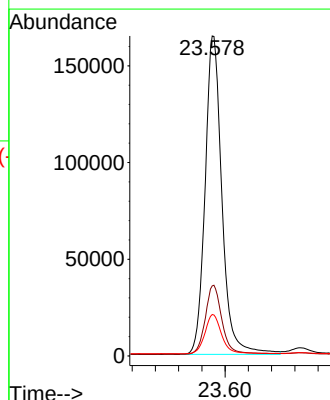
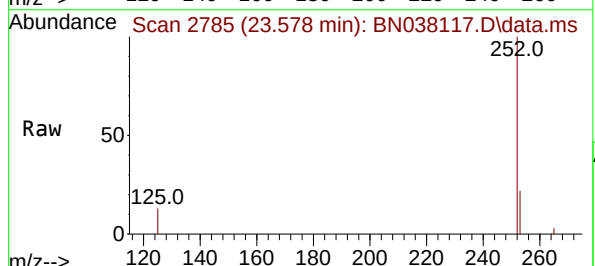
Tgt Ion:252 Resp: 332107

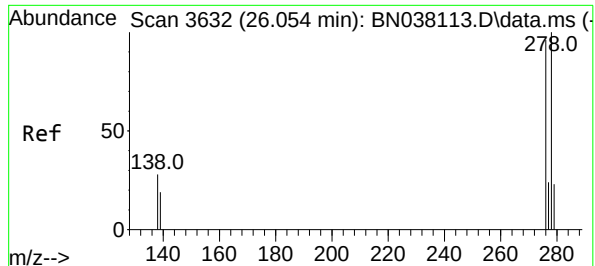
Ion Ratio Lower Upper

252 100

253 21.9 23.1 34.7#

125 12.9 18.6 28.0#

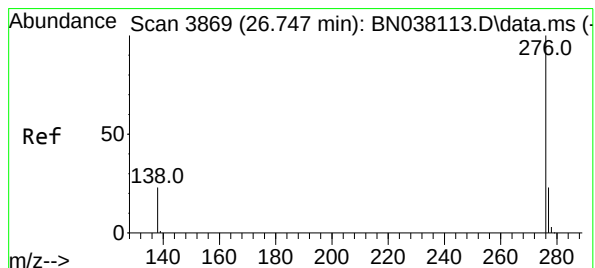
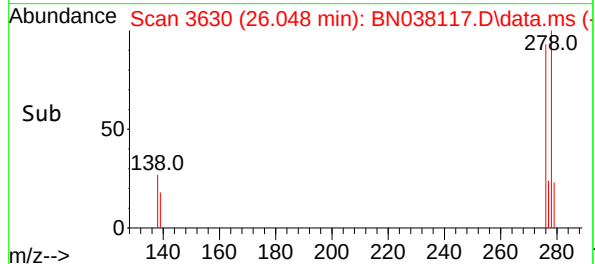
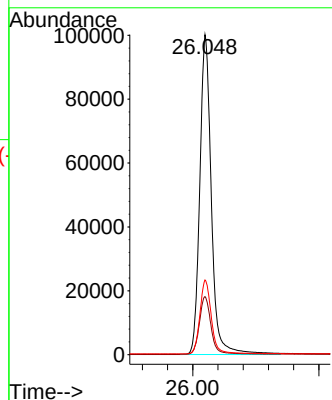
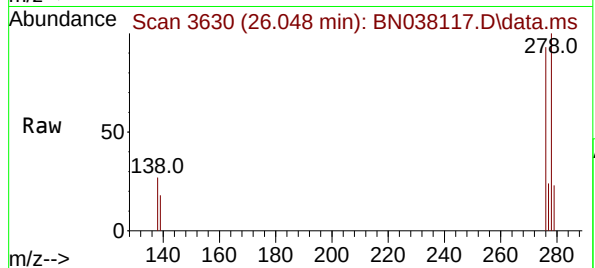




#40
Dibenzo(a,h)anthracene
Concen: 5.545 ng
RT: 26.048 min Scan# 30
Delta R.T. 0.000 min
Lab File: BN038117.D
Acq: 28 Oct 2025 16:38

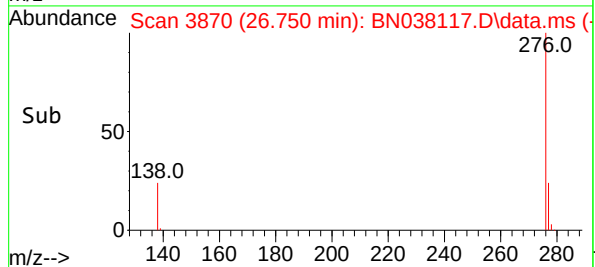
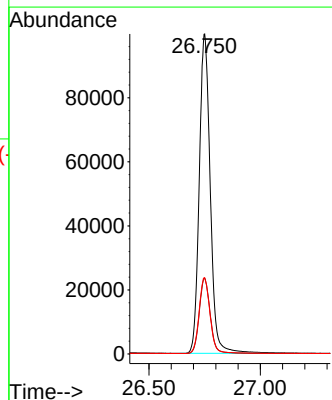
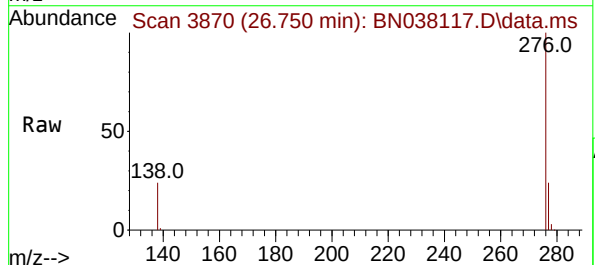
Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

Tgt Ion:278 Resp: 318538
Ion Ratio Lower Upper
278 100
139 18.2 17.6 26.4
279 23.3 22.6 33.8



#41
Benzo(g,h,i)perylene
Concen: 5.223 ng
RT: 26.750 min Scan# 3870
Delta R.T. 0.000 min
Lab File: BN038117.D
Acq: 28 Oct 2025 16:38

Tgt Ion:276 Resp: 342713
Ion Ratio Lower Upper
276 100
277 23.6 19.7 29.5
138 23.9 20.2 30.4



Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN102825\
 Data File : BN038118.D
 Acq On : 28 Oct 2025 17:51
 Operator : RC/JU
 Sample : SSTDICV0.4
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

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

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

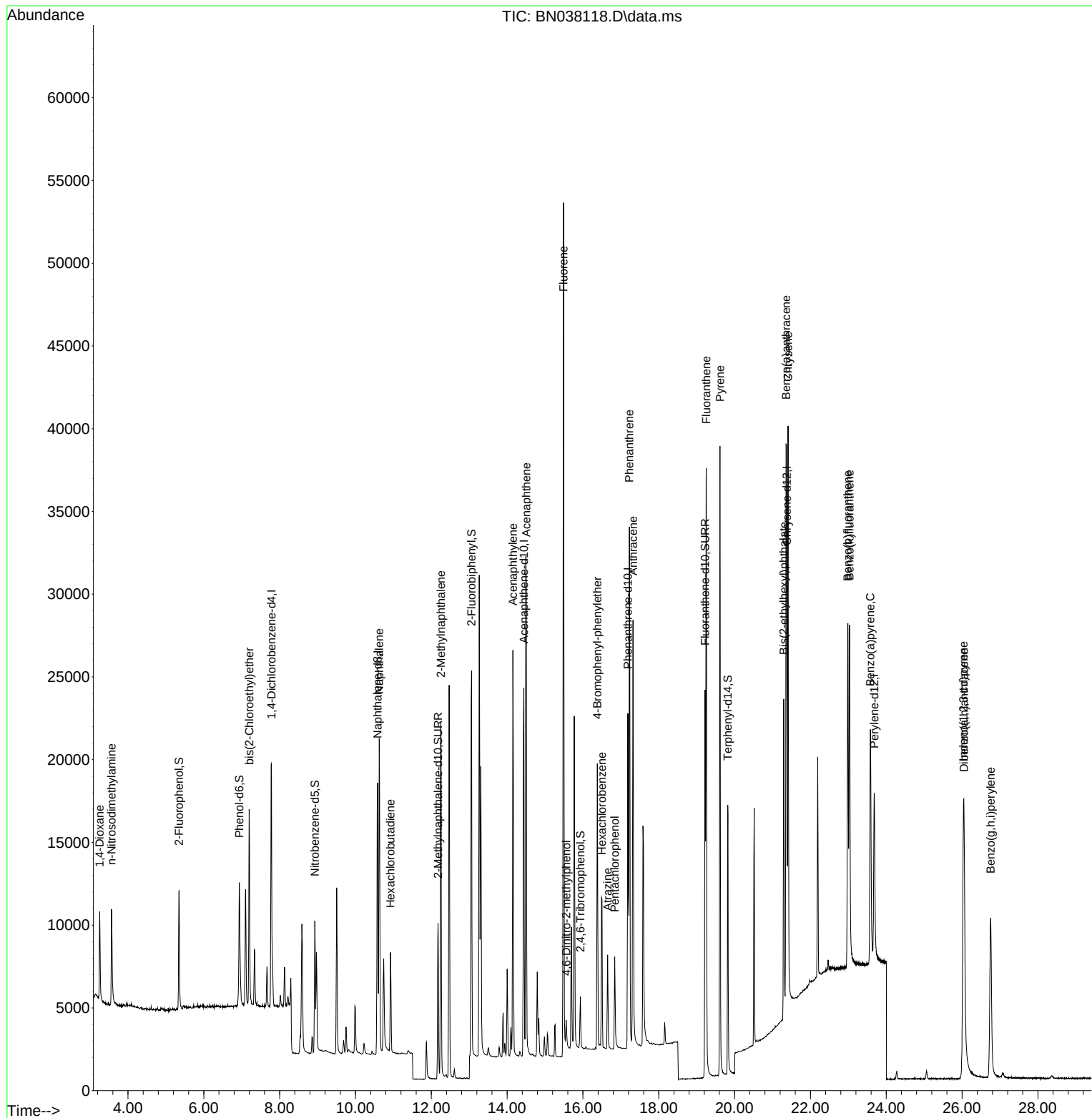
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.782	152	7698	0.400	ng	0.00
7) Naphthalene-d8	10.584	136	23240	0.400	ng	0.01
13) Acenaphthene-d10	14.441	164	13297	0.400	ng	0.01
19) Phenanthrene-d10	17.186	188	26273	0.400	ng	0.00
29) Chrysene-d12	21.375	240	18729	0.400	ng	0.00
35) Perylene-d12	23.683	264	15660	0.400	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.348	112	6665	0.368	ng	0.00
5) Phenol-d6	6.937	99	7743	0.351	ng	0.00
8) Nitrobenzene-d5	8.929	82	6617	0.353	ng	0.00
11) 2-Methylnaphthalene-d10	12.177	152	13607	0.410	ng	0.00
14) 2,4,6-Tribromophenol	15.932	330	1861	0.340	ng	0.00
15) 2-Fluorobiphenyl	13.062	172	21897	0.411	ng	0.01
27) Fluoranthene-d10	19.220	212	25766	0.389	ng	0.00
31) Terphenyl-d14	19.819	244	17430	0.428	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.254	88	3503	0.440	ng	98
3) n-Nitrosodimethylamine	3.564	42	4071	0.398	ng	# 96
6) bis(2-Chloroethyl)ether	7.197	93	9255	0.427	ng	100
9) Naphthalene	10.626	128	26051	0.407	ng	99
10) Hexachlorobutadiene	10.925	225	4702	0.435	ng	# 98
12) 2-Methylnaphthalene	12.253	142	16372	0.384	ng	98
16) Acenaphthylene	14.152	152	27388	0.455	ng	100
17) Acenaphthene	14.505	154	16777	0.398	ng	99
18) Fluorene	15.489	166	22859	0.414	ng	99
20) 4,6-Dinitro-2-methylph...	15.560	198	1138	0.411	ng	90
21) 4-Bromophenyl-phenylether	16.379	248	6886	0.400	ng	99
22) Hexachlorobenzene	16.503	284	8349	0.426	ng	98
23) Atrazine	16.652	200	4672	0.370	ng	99
24) Pentachlorophenol	16.838	266	2963	0.351	ng	97
25) Phenanthrene	17.223	178	33992	0.408	ng	99
26) Anthracene	17.322	178	29654	0.406	ng	99
28) Fluoranthene	19.253	202	35401	0.380	ng	99
30) Pyrene	19.615	202	35647	0.422	ng	100
32) Benzo(a)anthracene	21.358	228	26833	0.402	ng	100
33) Chrysene	21.411	228	31031	0.428	ng	100
34) Bis(2-ethylhexyl)phtha...	21.295	149	12587	0.358	ng	99
36) Indeno(1,2,3-cd)pyrene	26.037	276	26115	0.406	ng	98
37) Benzo(b)fluoranthene	22.984	252	27124	0.405	ng	97
38) Benzo(k)fluoranthene	23.031	252	29583	0.439	ng	98
39) Benzo(a)pyrene	23.581	252	23400	0.437	ng	# 95
40) Dibenzo(a,h)anthracene	26.051	278	19931	0.403	ng	97
41) Benzo(g,h,i)perylene	26.756	276	22180	0.392	ng	98

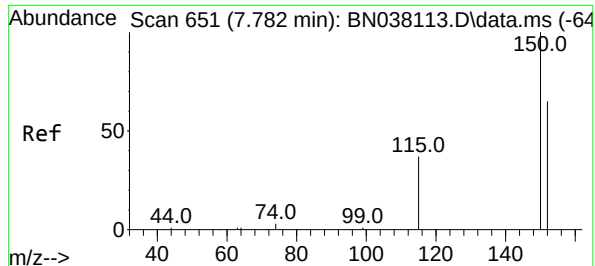
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN102825\
Data File : BN038118.D
Acq On : 28 Oct 2025 17:51
Operator : RC/JU
Sample : SSTDICV0.4
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
ICVBN102825

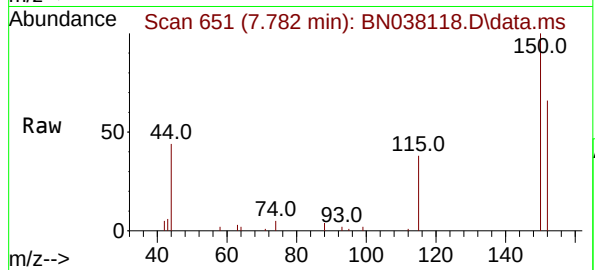
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Oct 29 13:09:46 2025
Response via : Initial Calibration



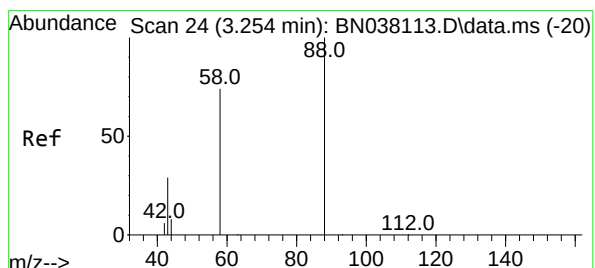
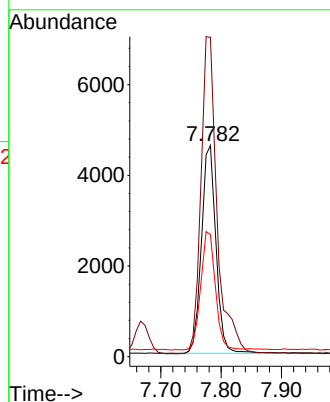
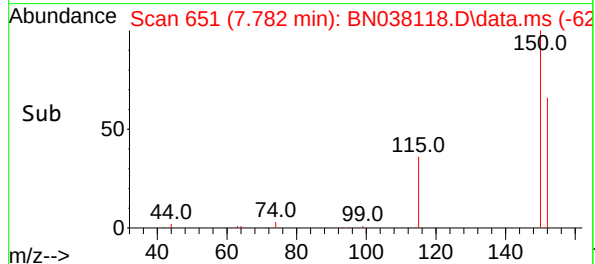


#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.782 min Scan# 61
Delta R.T. 0.007 min
Lab File: BN038118.D
Acq: 28 Oct 2025 17:51

Instrument :
BNA_N
ClientSampleId :
ICVBN102825

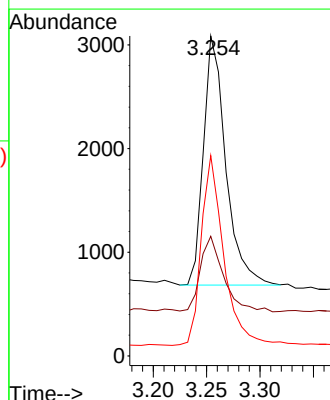
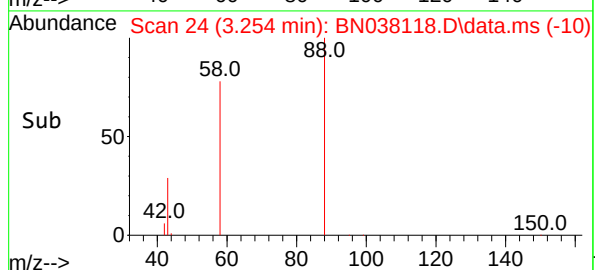
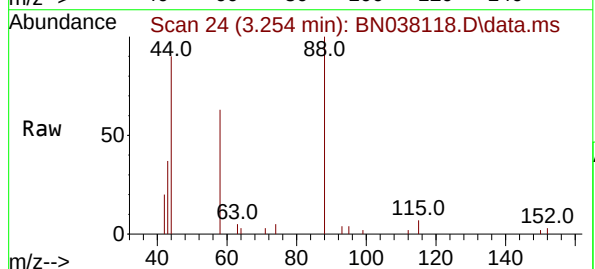


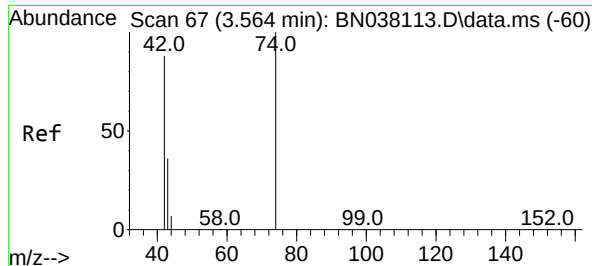
Tgt Ion:152 Resp: 7698
Ion Ratio Lower Upper
152 100
150 151.3 122.3 183.5
115 57.8 47.4 71.0



#2
1,4-Dioxane
Concen: 0.440 ng
RT: 3.254 min Scan# 24
Delta R.T. 0.000 min
Lab File: BN038118.D
Acq: 28 Oct 2025 17:51

Tgt Ion: 88 Resp: 3503
Ion Ratio Lower Upper
88 100
43 31.0 24.3 36.5
58 77.1 60.4 90.6

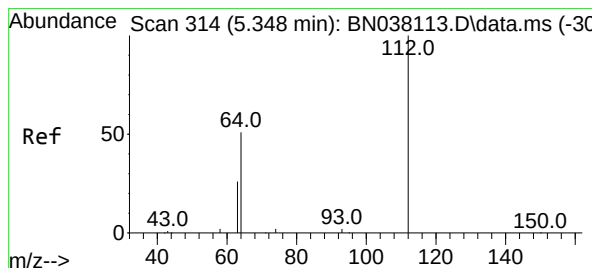
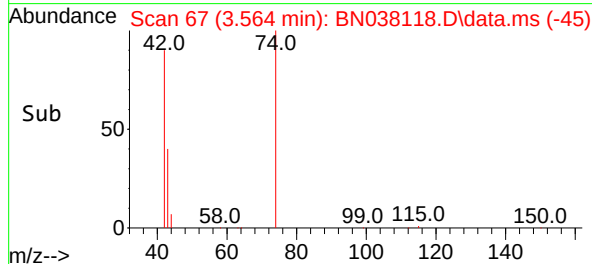
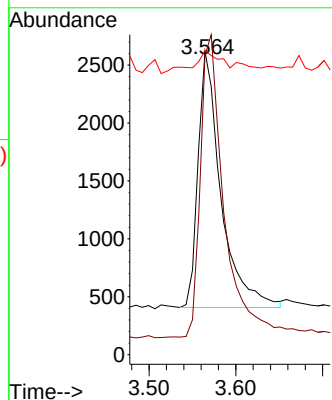
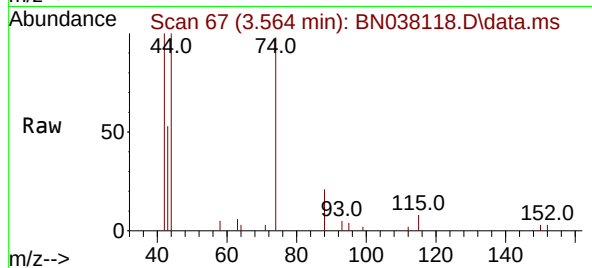




#3
n-Nitrosodimethylamine
Concen: 0.398 ng
RT: 3.564 min Scan# 61
Delta R.T. 0.007 min
Lab File: BN038118.D
Acq: 28 Oct 2025 17:51

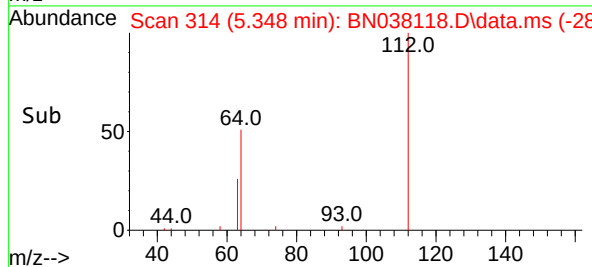
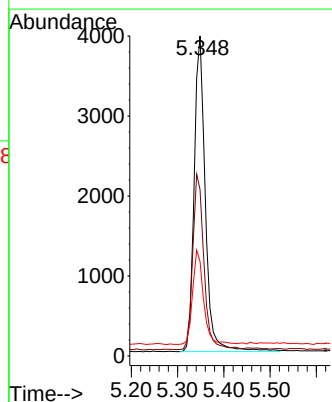
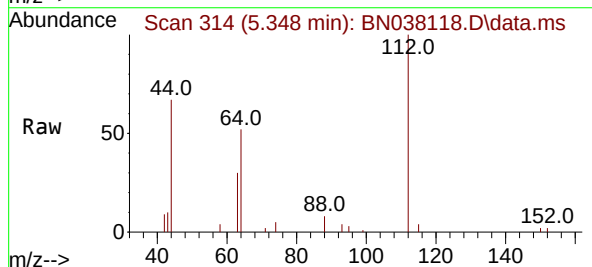
Instrument :
BNA_N
ClientSampleId :
ICVBN102825

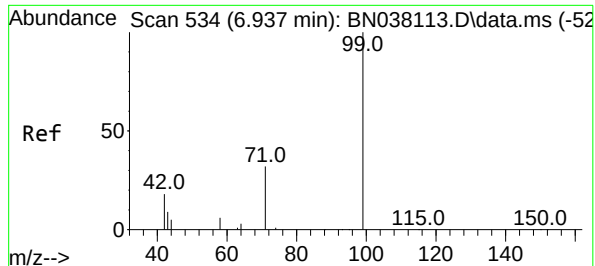
Tgt Ion: 42 Resp: 4071
Ion Ratio Lower Upper
42 100
74 124.8 96.8 145.2
44 10.5 5.3 7.9#



#4
2-Fluorophenol
Concen: 0.368 ng
RT: 5.348 min Scan# 314
Delta R.T. 0.000 min
Lab File: BN038118.D
Acq: 28 Oct 2025 17:51

Tgt Ion: 112 Resp: 6665
Ion Ratio Lower Upper
112 100
64 55.4 45.4 68.0
63 29.1 23.2 34.8

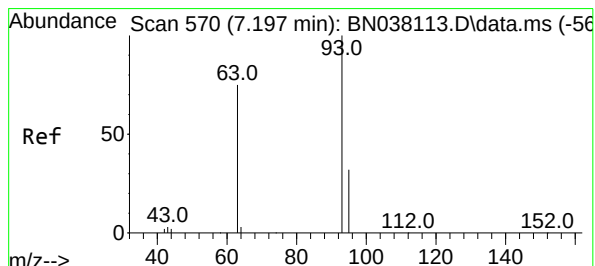
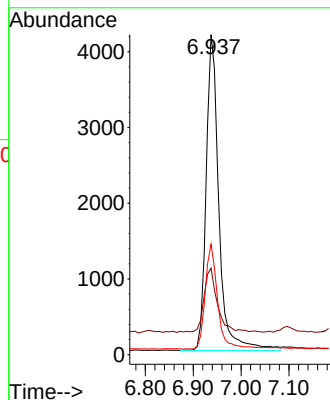
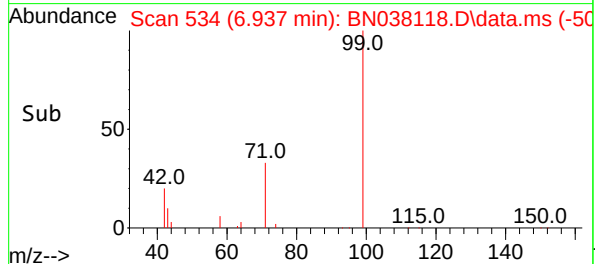
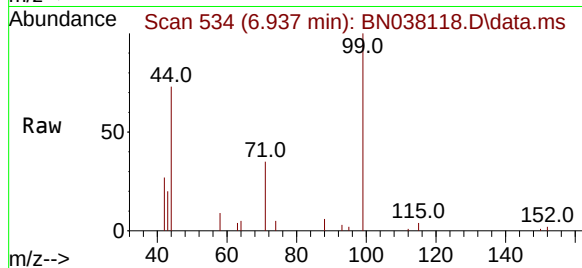




#5
Phenol-d6
Concen: 0.351 ng
RT: 6.937 min Scan# 51
Delta R.T. 0.000 min
Lab File: BN038118.D
Acq: 28 Oct 2025 17:51

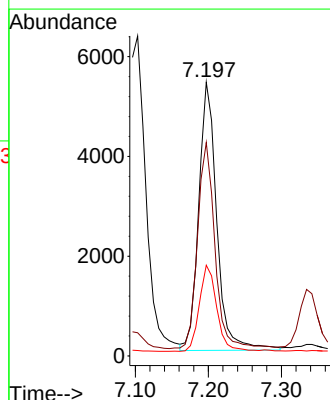
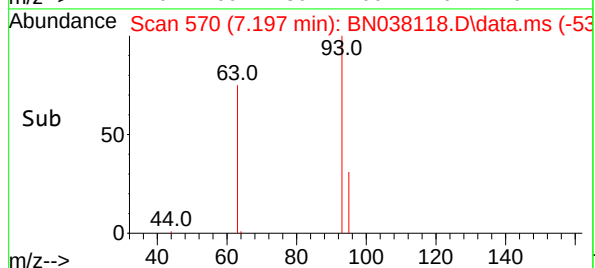
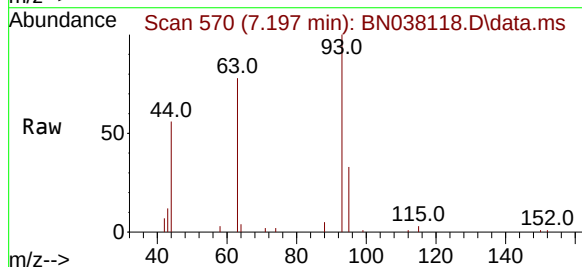
Instrument :
BNA_N
ClientSampleId :
ICVBN102825

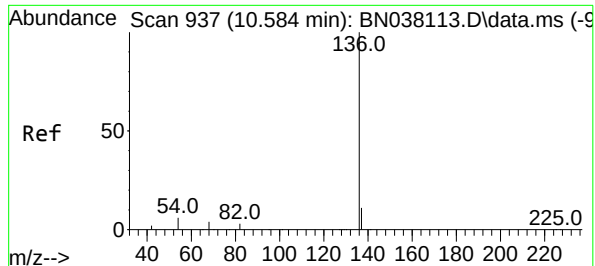
Tgt Ion	Ratio	Lower	Upper
99	100		
42	21.1	16.6	24.8
71	33.2	25.4	38.2



#6
bis(2-Chloroethyl)ether
Concen: 0.427 ng
RT: 7.197 min Scan# 570
Delta R.T. 0.000 min
Lab File: BN038118.D
Acq: 28 Oct 2025 17:51

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

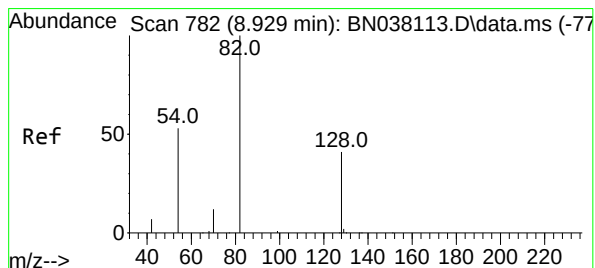
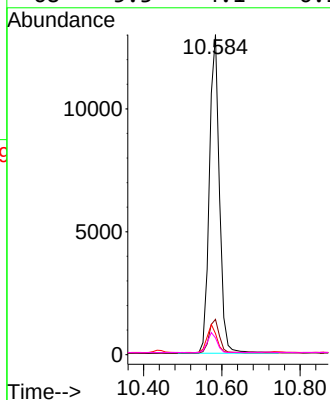
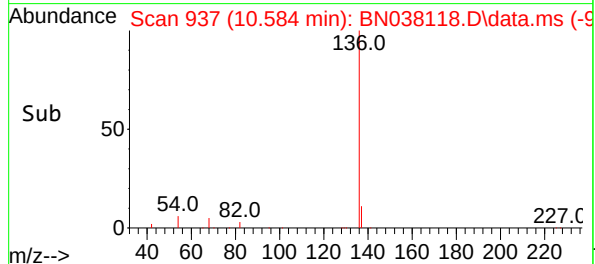
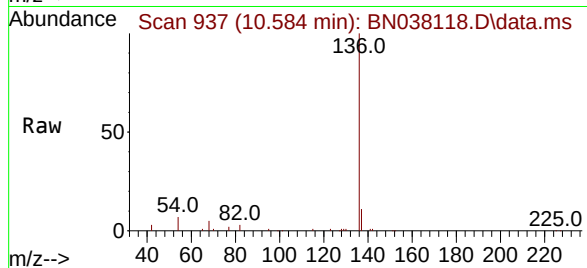




#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.584 min Scan# 91
Delta R.T. 0.011 min
Lab File: BN038118.D
Acq: 28 Oct 2025 17:51

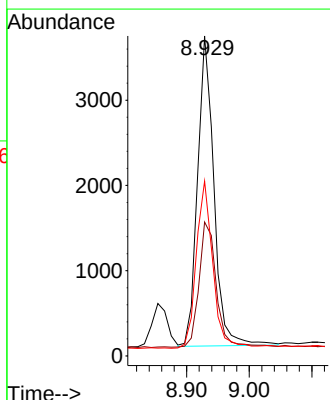
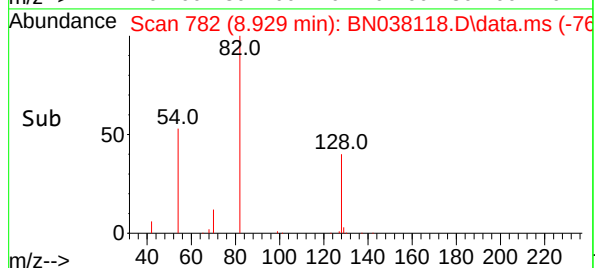
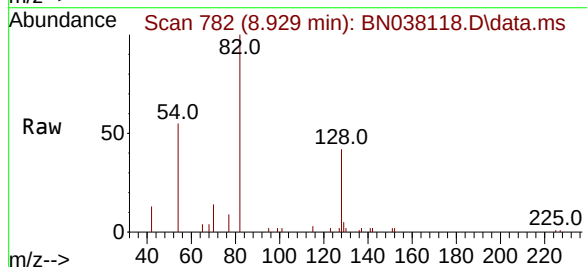
Instrument :
BNA_N
ClientSampleId :
ICVBN102825

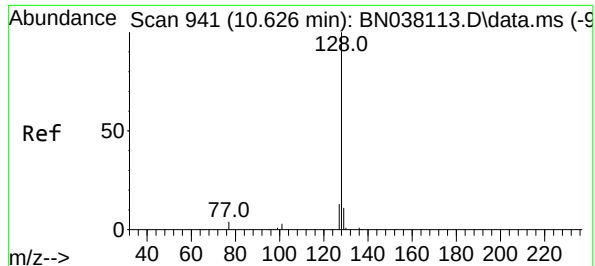
Tgt Ion:136	Resp:	23240
Ion Ratio	Lower	Upper
136	100	
137	11.1	9.0 13.4
54	6.6	5.2 7.8
68	5.3	4.1 6.1



#8
Nitrobenzene-d5
Concen: 0.353 ng
RT: 8.929 min Scan# 782
Delta R.T. 0.000 min
Lab File: BN038118.D
Acq: 28 Oct 2025 17:51

Tgt Ion: 82	Resp:	6617
Ion Ratio	Lower	Upper
82	100	
128	41.8	34.1 51.1
54	54.7	43.5 65.3





#9

Naphthalene

Concen: 0.407 ng

RT: 10.626 min Scan# 941

Delta R.T. 0.000 min

Lab File: BN038118.D

Acq: 28 Oct 2025 17:51

Instrument :

BNA_N

ClientSampleId :

ICVBN102825

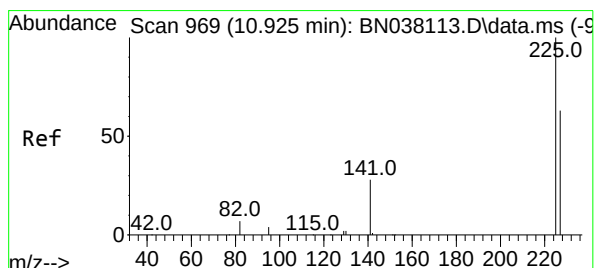
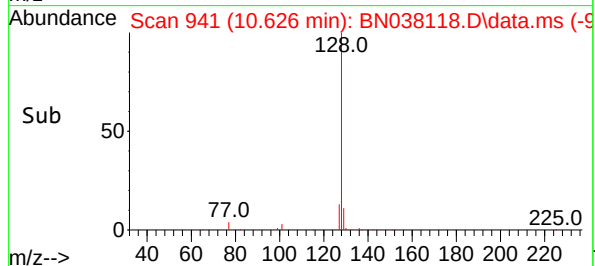
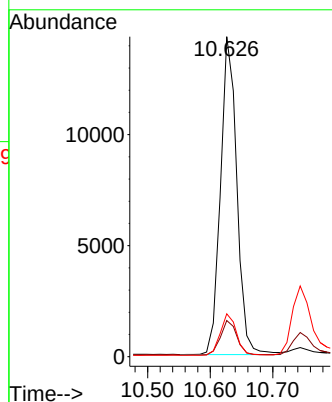
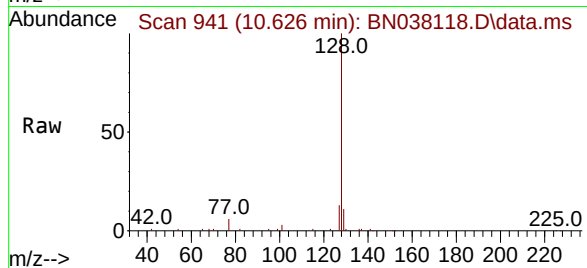
Tgt Ion:128 Resp: 26051

Ion Ratio Lower Upper

128 100

129 11.3 9.1 13.7

127 13.4 10.5 15.7



#10

Hexachlorobutadiene

Concen: 0.435 ng

RT: 10.925 min Scan# 969

Delta R.T. 0.000 min

Lab File: BN038118.D

Acq: 28 Oct 2025 17:51

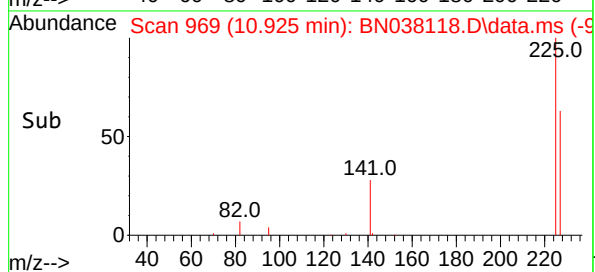
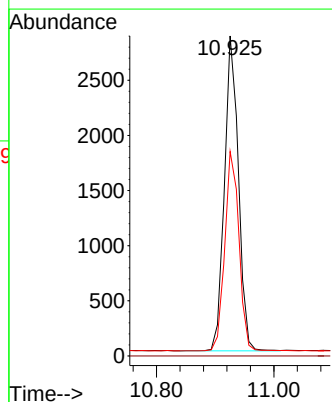
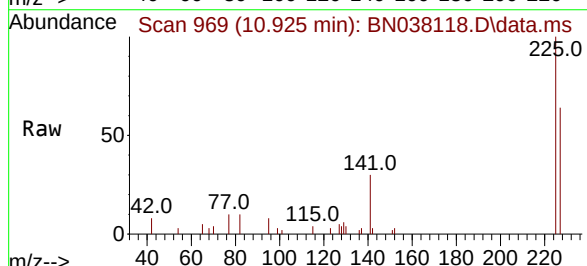
Tgt Ion:225 Resp: 4702

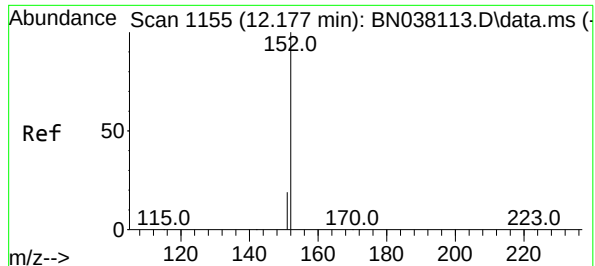
Ion Ratio Lower Upper

225 100

223 0.0 0.0 0.0

227 64.4 50.3 75.5

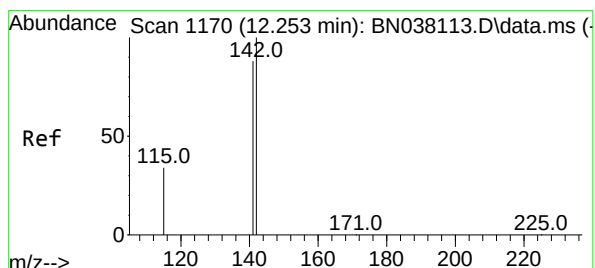
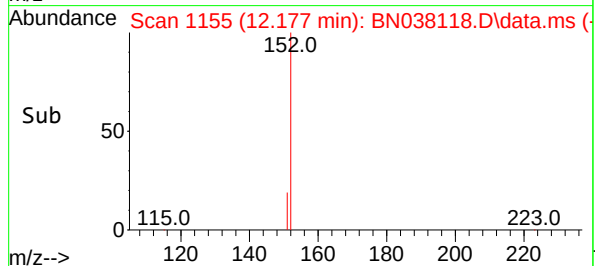
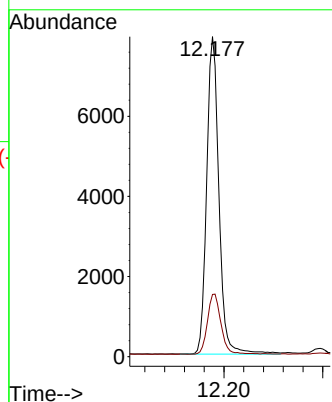
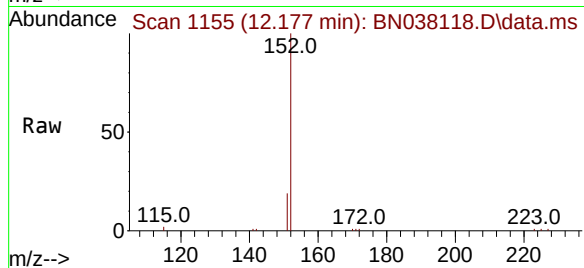




#11
2-Methylnaphthalene-d10
Concen: 0.410 ng
RT: 12.177 min Scan# 1155
Delta R.T. 0.000 min
Lab File: BN038118.D
Acq: 28 Oct 2025 17:51

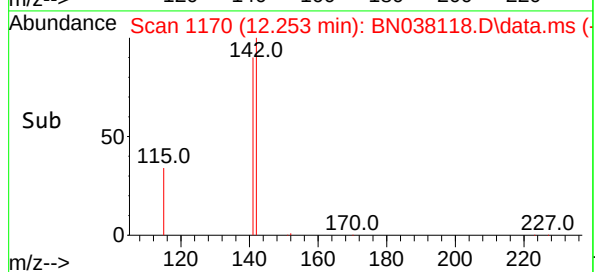
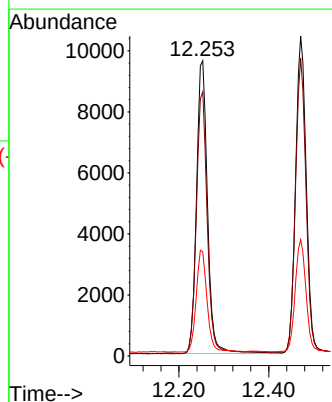
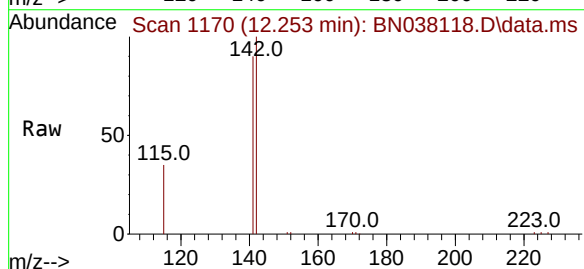
Instrument :
BNA_N
ClientSampleId :
ICVBN102825

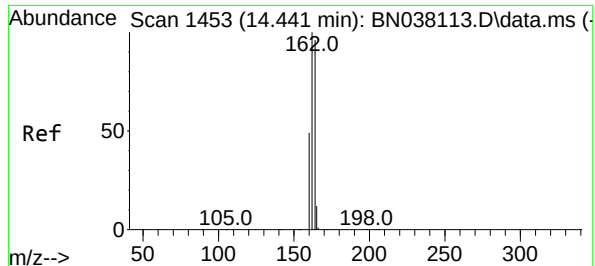
Tgt Ion:152 Resp: 13607
Ion Ratio Lower Upper
152 100
151 21.0 16.8 25.2



#12
2-Methylnaphthalene
Concen: 0.384 ng
RT: 12.253 min Scan# 1170
Delta R.T. 0.005 min
Lab File: BN038118.D
Acq: 28 Oct 2025 17:51

Tgt Ion:142 Resp: 16372
Ion Ratio Lower Upper
142 100
141 89.5 70.3 105.5
115 35.3 27.8 41.6

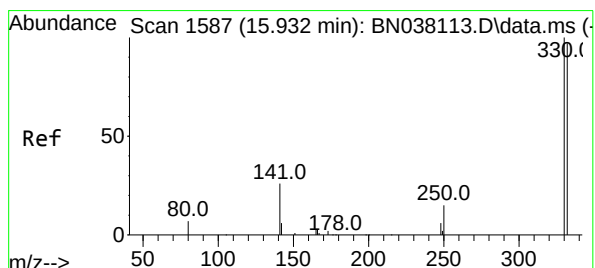
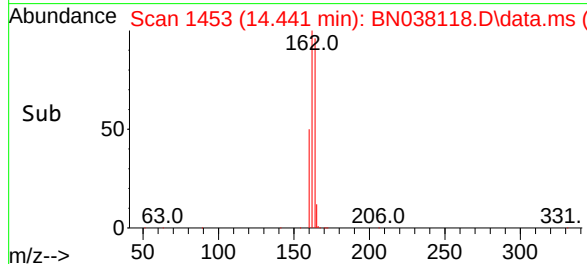
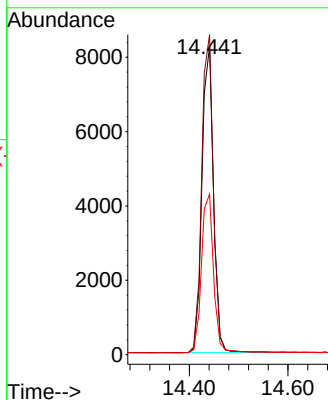
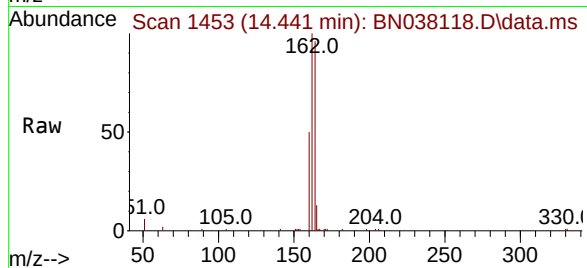




#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.441 min Scan# 1453
Delta R.T. 0.011 min
Lab File: BN038118.D
Acq: 28 Oct 2025 17:51

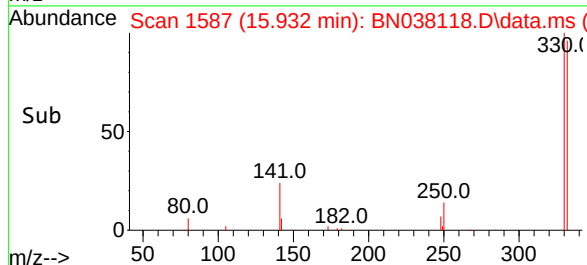
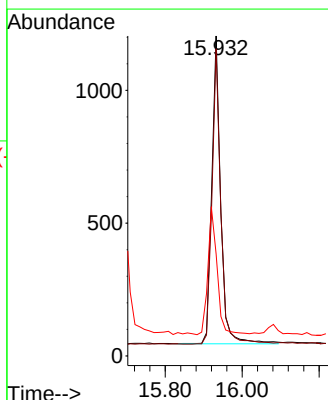
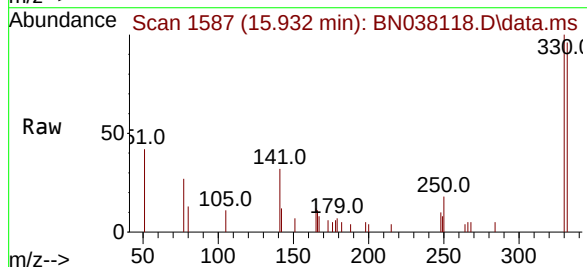
Instrument :
BNA_N
ClientSampleId :
ICVBN102825

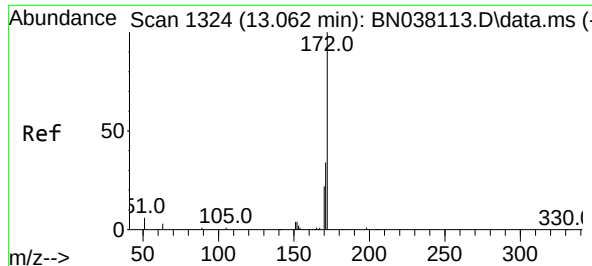
Tgt Ion:164 Resp: 13297
Ion Ratio Lower Upper
164 100
162 103.7 83.0 124.4
160 52.0 40.7 61.1



#14
2,4,6-Tribromophenol
Concen: 0.340 ng
RT: 15.932 min Scan# 1587
Delta R.T. 0.000 min
Lab File: BN038118.D
Acq: 28 Oct 2025 17:51

Tgt Ion:330 Resp: 1861
Ion Ratio Lower Upper
330 100
332 94.5 76.6 114.8
141 43.0 34.1 51.1

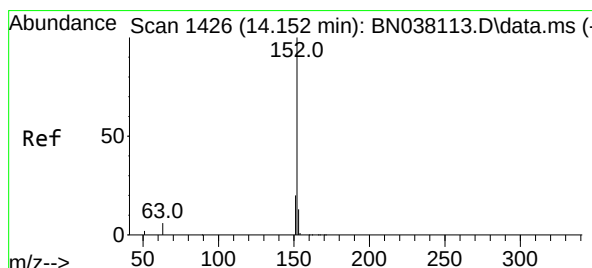
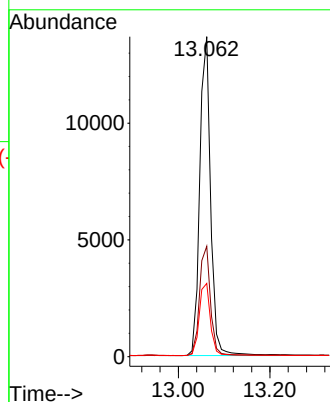
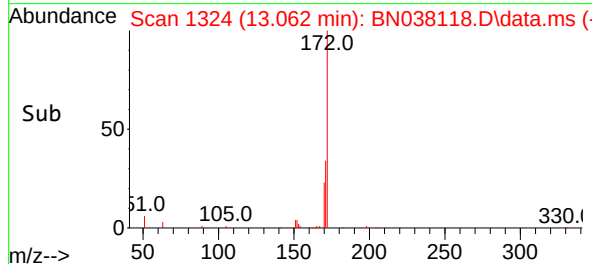
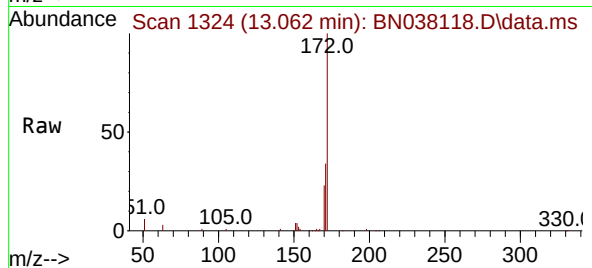




#15
2-Fluorobiphenyl
Concen: 0.411 ng
RT: 13.062 min Scan# 1324
Delta R.T. 0.011 min
Lab File: BN038118.D
Acq: 28 Oct 2025 17:51

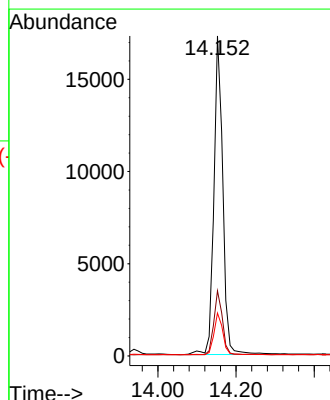
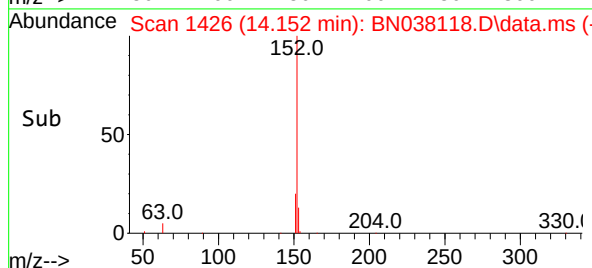
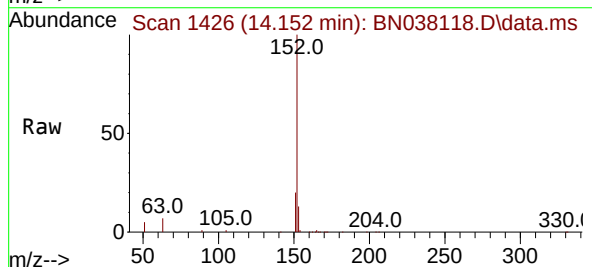
Instrument :
BNA_N
ClientSampleId :
ICVBN102825

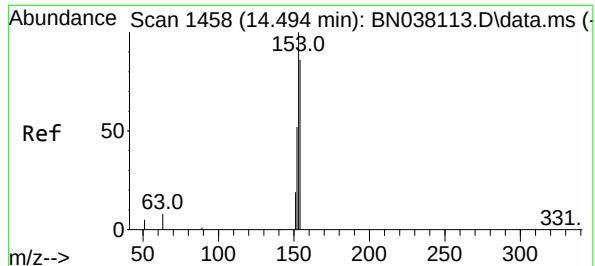
Tgt Ion	Ratio	Lower	Upper
172	100		
171	34.5	27.8	41.6
170	22.9	18.1	27.1



#16
Acenaphthylene
Concen: 0.455 ng
RT: 14.152 min Scan# 1426
Delta R.T. 0.000 min
Lab File: BN038118.D
Acq: 28 Oct 2025 17:51

Tgt Ion	Ratio	Lower	Upper
152	100		
151	19.8	15.8	23.8
153	13.2	10.2	15.2

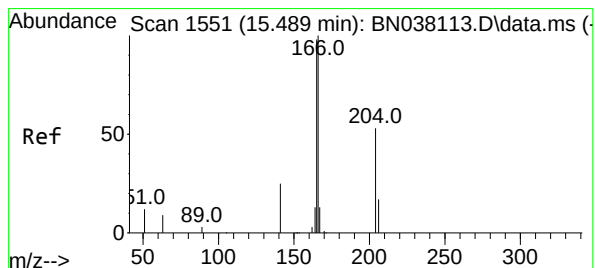
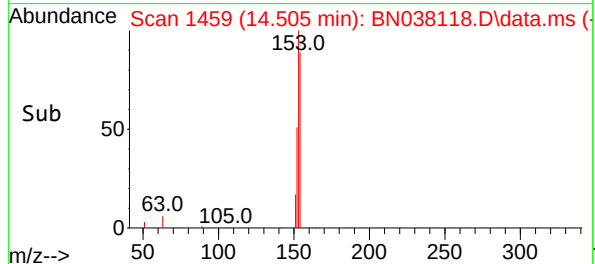
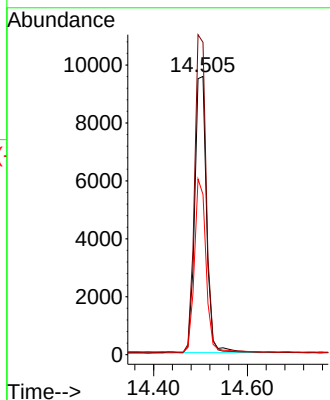
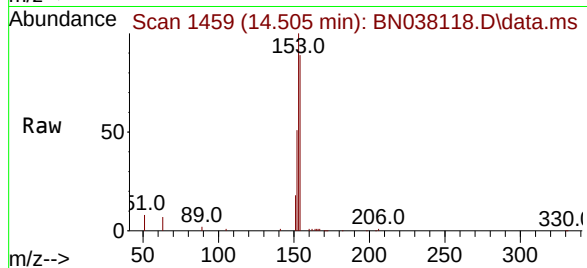




#17
Acenaphthene
Concen: 0.398 ng
RT: 14.505 min Scan# 1459
Delta R.T. 0.011 min
Lab File: BN038118.D
Acq: 28 Oct 2025 17:51

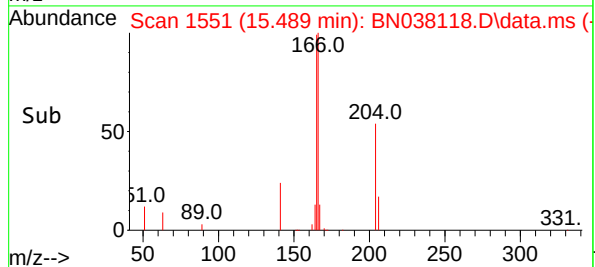
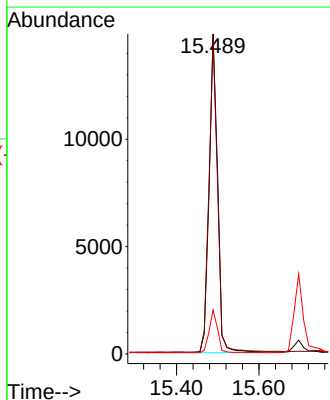
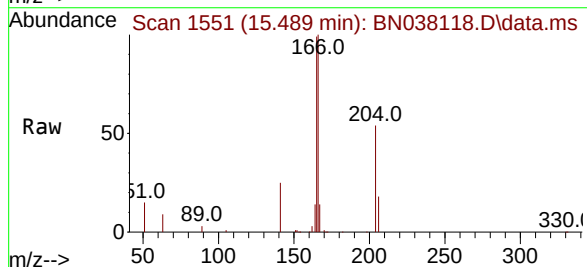
Instrument :
BNA_N
ClientSampleId :
ICVBN102825

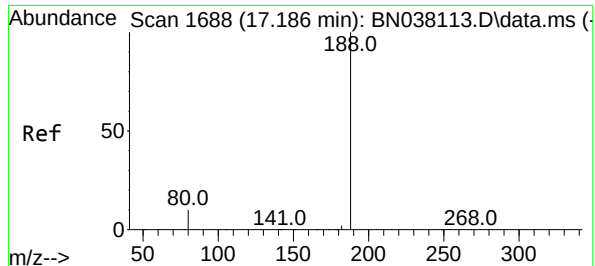
Tgt Ion:154 Resp: 16777
Ion Ratio Lower Upper
154 100
153 113.6 90.0 135.0
152 60.6 47.3 70.9



#18
Fluorene
Concen: 0.414 ng
RT: 15.489 min Scan# 1551
Delta R.T. -0.000 min
Lab File: BN038118.D
Acq: 28 Oct 2025 17:51

Tgt Ion:166 Resp: 22859
Ion Ratio Lower Upper
166 100
165 99.9 79.0 118.4
167 13.4 10.7 16.1





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 17.186 min Scan# 1688

Delta R.T. -0.000 min

Lab File: BN038118.D

Acq: 28 Oct 2025 17:51

Instrument :

BNA_N

ClientSampleId :

ICVBN102825

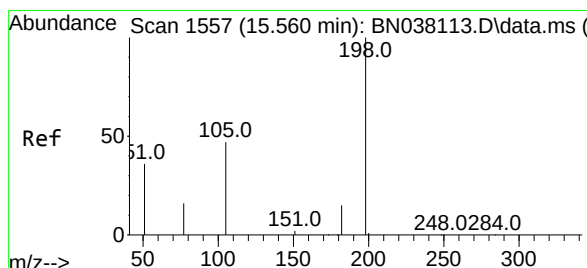
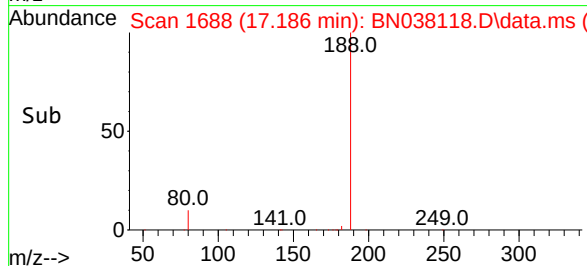
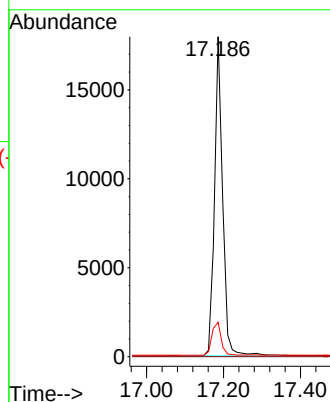
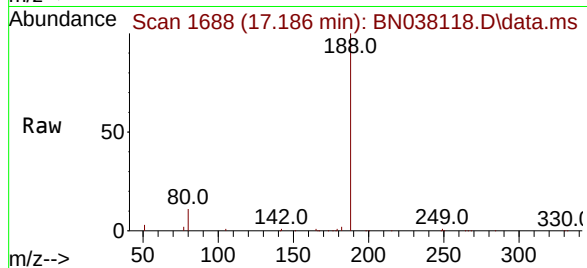
Tgt Ion:188 Resp: 26273

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

80 10.7 8.6 13.0



#20

4,6-Dinitro-2-methylphenol

Concen: 0.411 ng

RT: 15.560 min Scan# 1557

Delta R.T. -0.000 min

Lab File: BN038118.D

Acq: 28 Oct 2025 17:51

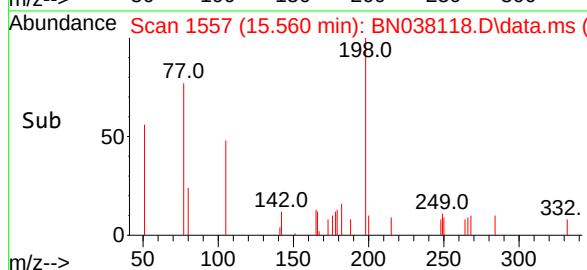
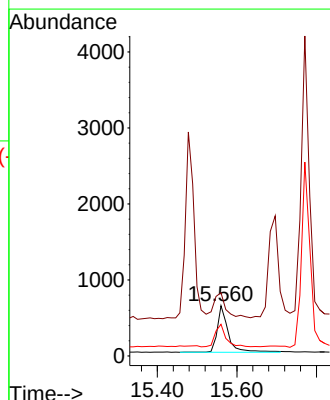
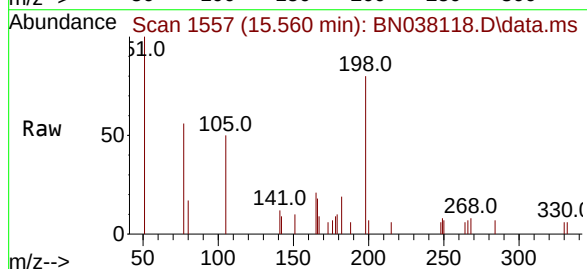
Tgt Ion:198 Resp: 1138

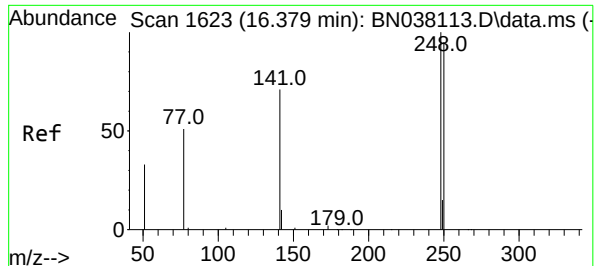
Ion Ratio Lower Upper

198 100

51 125.7 88.9 133.3

105 63.1 49.2 73.8

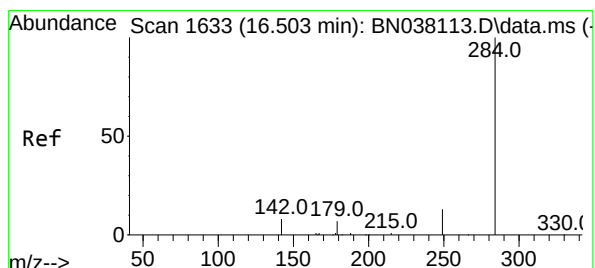
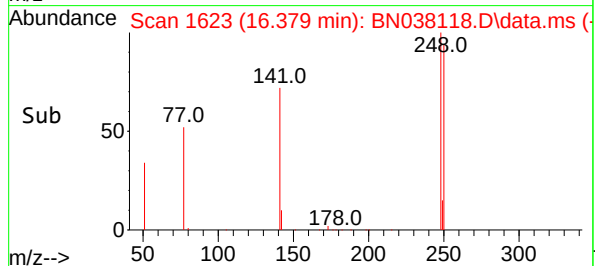
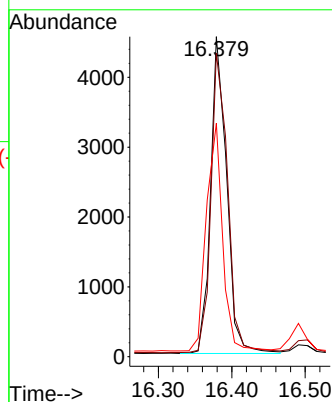
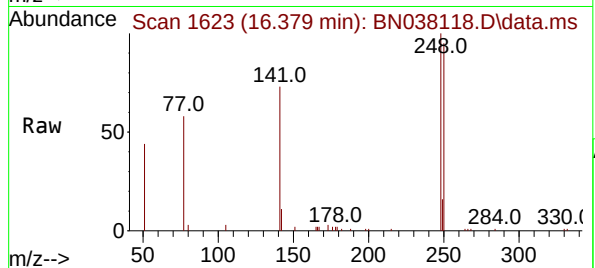




#21
4-Bromophenyl-phenylether
Concen: 0.400 ng
RT: 16.379 min Scan# 1623
Delta R.T. 0.000 min
Lab File: BN038118.D
Acq: 28 Oct 2025 17:51

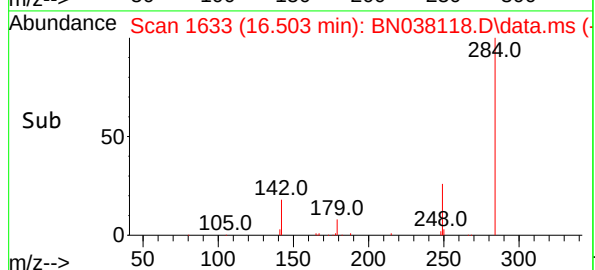
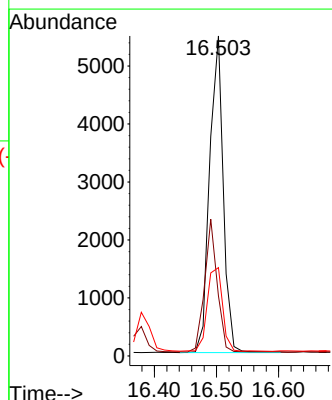
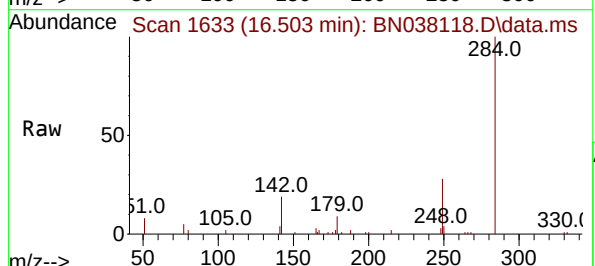
Instrument :
BNA_N
ClientSampleId :
ICVBN102825

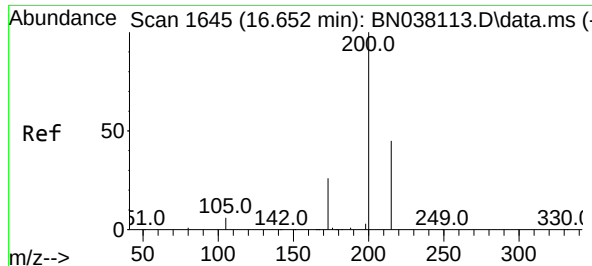
Tgt Ion:248 Resp: 6886
Ion Ratio Lower Upper
248 100
250 94.8 76.2 114.2
141 73.0 57.6 86.4



#22
Hexachlorobenzene
Concen: 0.426 ng
RT: 16.503 min Scan# 1633
Delta R.T. 0.000 min
Lab File: BN038118.D
Acq: 28 Oct 2025 17:51

Tgt Ion:284 Resp: 8349
Ion Ratio Lower Upper
284 100
142 39.2 30.5 45.7
249 30.0 23.5 35.3

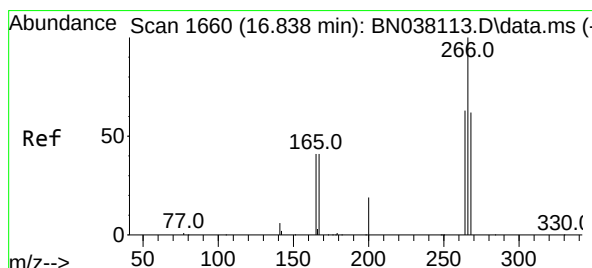
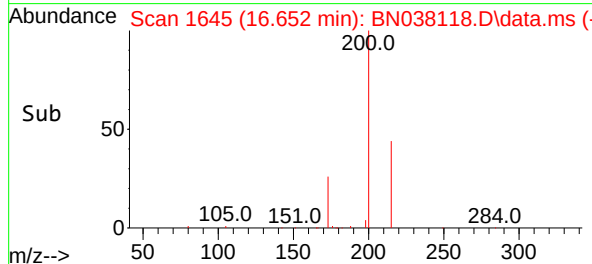
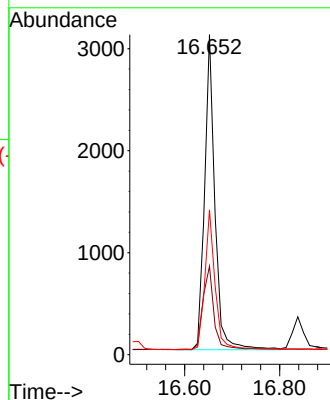
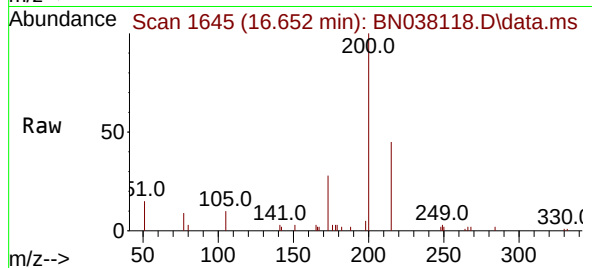




#23
Atrazine
Concen: 0.370 ng
RT: 16.652 min Scan# 1645
Delta R.T. 0.000 min
Lab File: BN038118.D
Acq: 28 Oct 2025 17:51

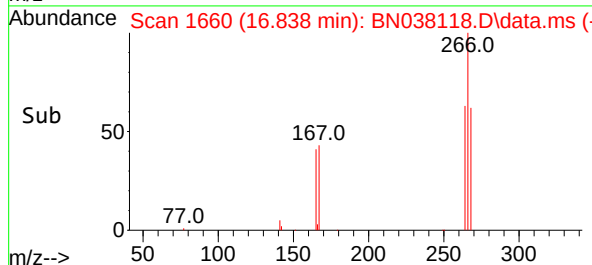
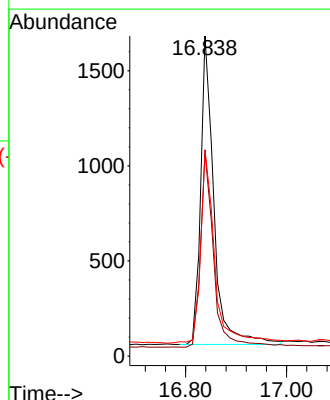
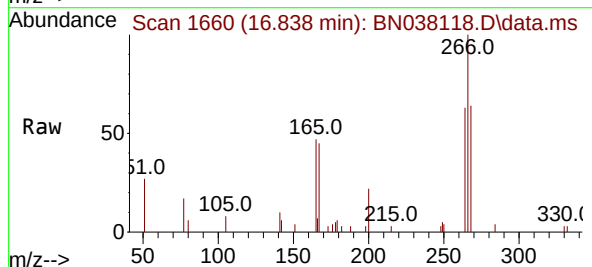
Instrument :
BNA_N
ClientSampleId :
ICVBN102825

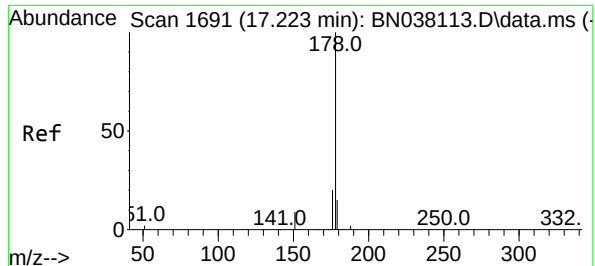
Tgt Ion:200 Resp: 4672
Ion Ratio Lower Upper
200 100
173 27.7 21.4 32.2
215 45.3 36.7 55.1



#24
Pentachlorophenol
Concen: 0.351 ng
RT: 16.838 min Scan# 1660
Delta R.T. 0.000 min
Lab File: BN038118.D
Acq: 28 Oct 2025 17:51

Tgt Ion:266 Resp: 2963
Ion Ratio Lower Upper
266 100
264 62.7 49.3 73.9
268 66.0 50.6 75.8

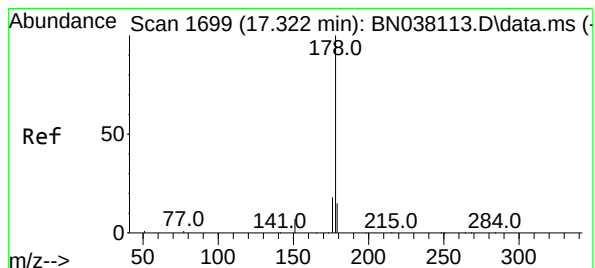
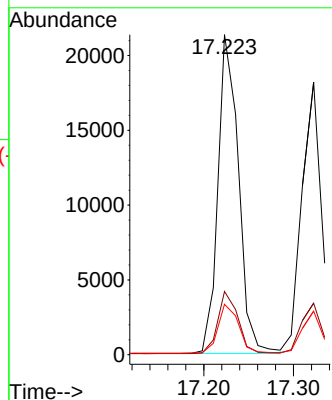
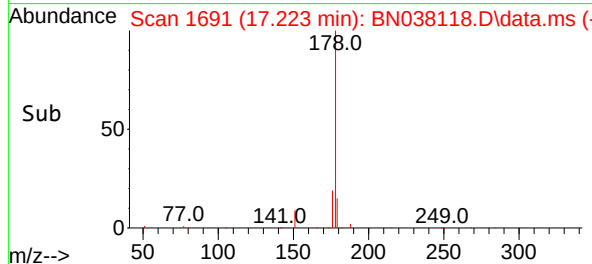
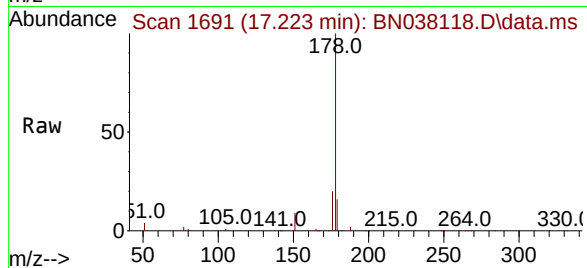




#25
Phenanthrene
Concen: 0.408 ng
RT: 17.223 min Scan# 1691
Delta R.T. 0.000 min
Lab File: BN038118.D
Acq: 28 Oct 2025 17:51

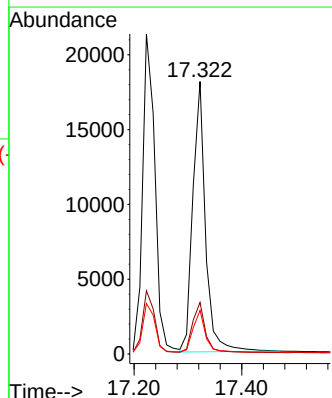
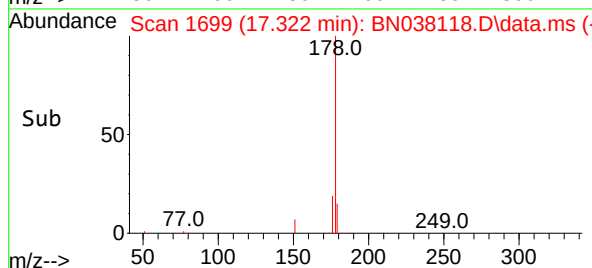
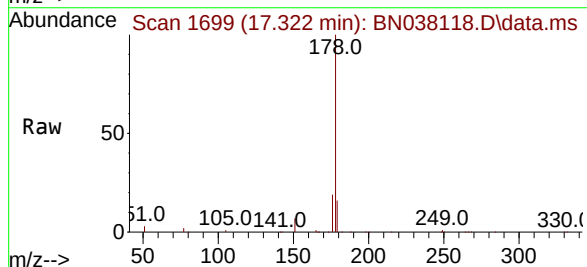
Instrument :
BNA_N
ClientSampleId :
ICVBN102825

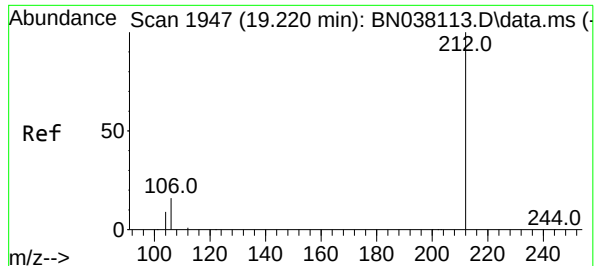
Tgt Ion:178 Resp: 33992
Ion Ratio Lower Upper
178 100
176 19.2 15.5 23.3
179 15.7 12.2 18.4



#26
Anthracene
Concen: 0.406 ng
RT: 17.322 min Scan# 1699
Delta R.T. 0.000 min
Lab File: BN038118.D
Acq: 28 Oct 2025 17:51

Tgt Ion:178 Resp: 29654
Ion Ratio Lower Upper
178 100
176 18.8 14.9 22.3
179 15.3 11.8 17.8





#27

Fluoranthene-d10

Concen: 0.389 ng

RT: 19.220 min Scan# 1947

Delta R.T. 0.000 min

Lab File: BN038118.D

Acq: 28 Oct 2025 17:51

Instrument :

BNA_N

ClientSampleId :

ICVBN102825

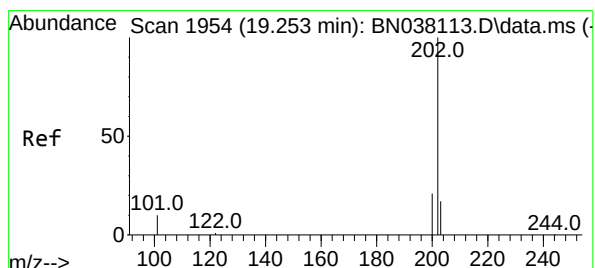
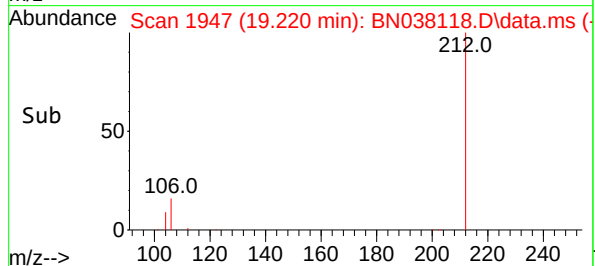
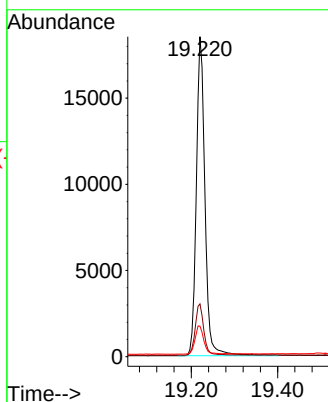
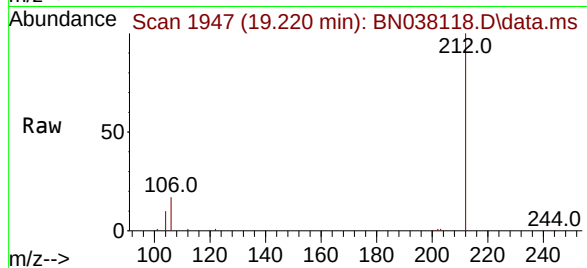
Tgt Ion:212 Resp: 25766

Ion Ratio Lower Upper

212 100

106 16.1 12.6 19.0

104 9.0 7.1 10.7



#28

Fluoranthene

Concen: 0.380 ng

RT: 19.253 min Scan# 1954

Delta R.T. 0.000 min

Lab File: BN038118.D

Acq: 28 Oct 2025 17:51

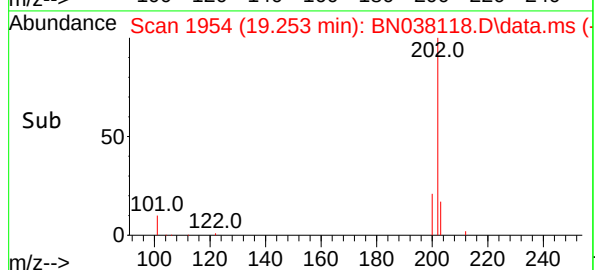
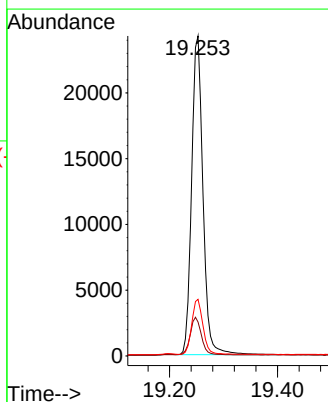
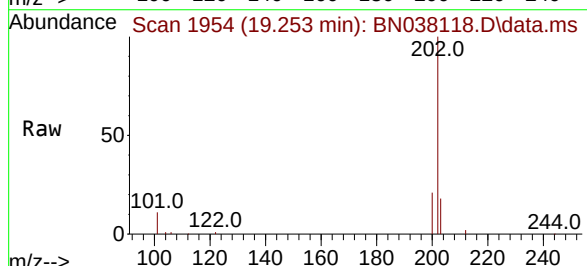
Tgt Ion:202 Resp: 35401

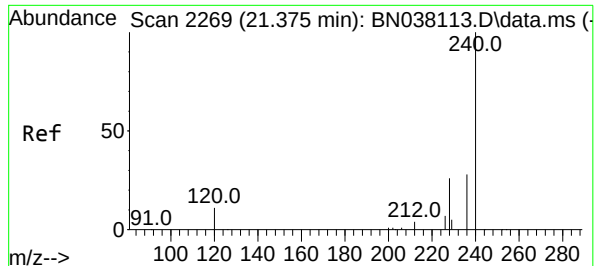
Ion Ratio Lower Upper

202 100

101 11.5 9.4 14.2

203 17.1 13.4 20.2





#29

Chrysene-d12

Concen: 0.400 ng

RT: 21.375 min Scan# 21

Delta R.T. 0.000 min

Lab File: BN038118.D

Acq: 28 Oct 2025 17:51

Instrument :

BNA_N

ClientSampleId :

ICVBN102825

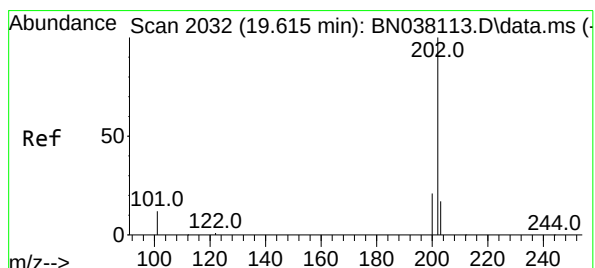
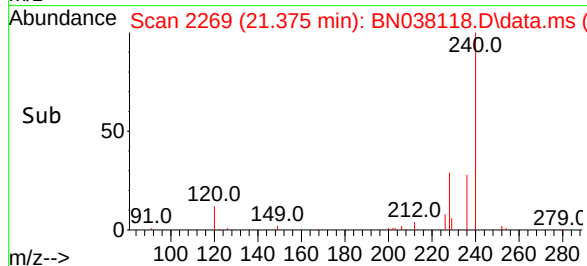
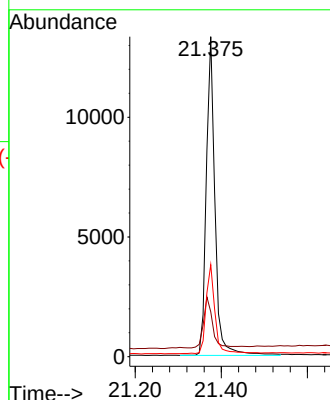
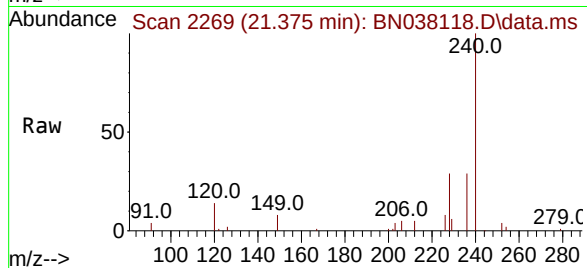
Tgt Ion:240 Resp: 18729

Ion Ratio Lower Upper

240 100

120 14.0 10.7 16.1

236 28.8 23.1 34.7



#30

Pyrene

Concen: 0.422 ng

RT: 19.615 min Scan# 2032

Delta R.T. 0.005 min

Lab File: BN038118.D

Acq: 28 Oct 2025 17:51

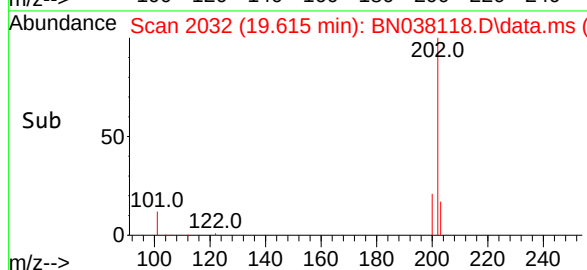
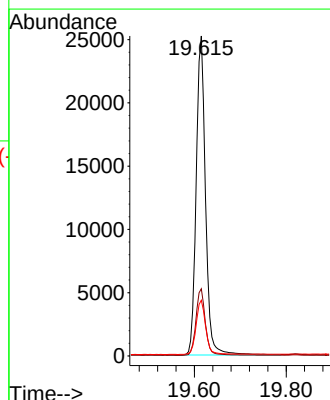
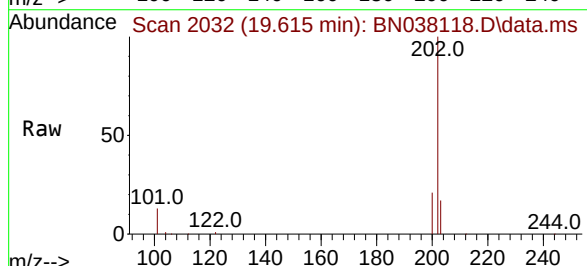
Tgt Ion:202 Resp: 35647

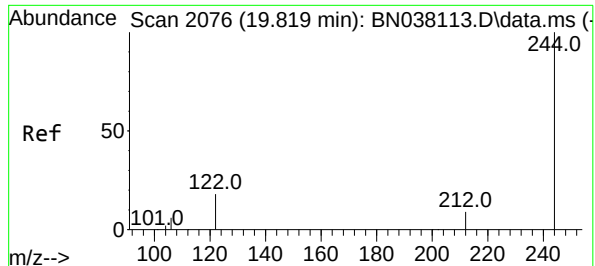
Ion Ratio Lower Upper

202 100

200 21.0 16.7 25.1

203 17.6 14.2 21.2

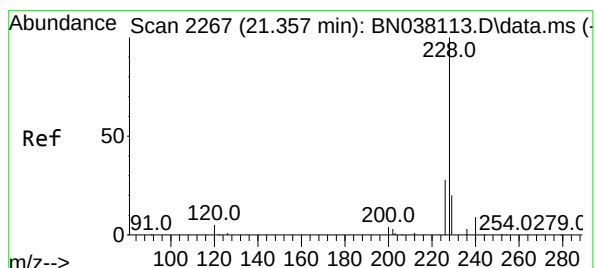
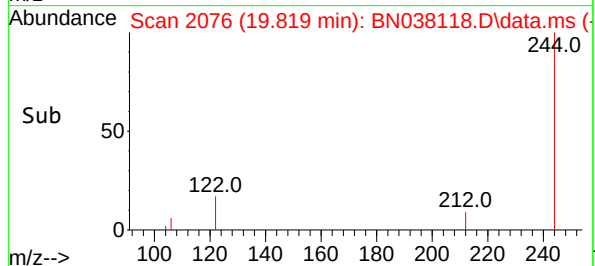
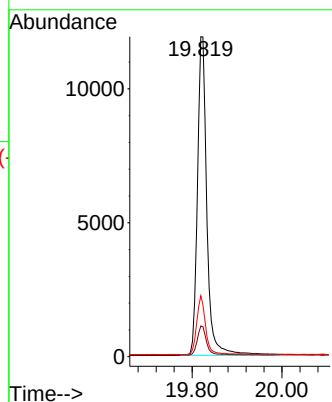
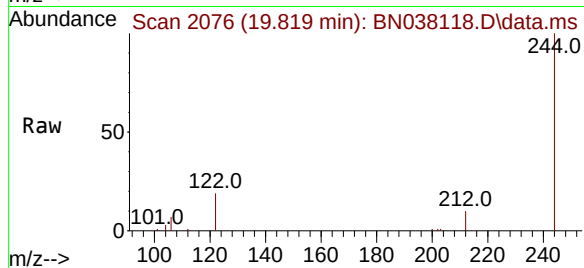




#31
Terphenyl-d14
Concen: 0.428 ng
RT: 19.819 min Scan# 2076
Delta R.T. 0.000 min
Lab File: BN038118.D
Acq: 28 Oct 2025 17:51

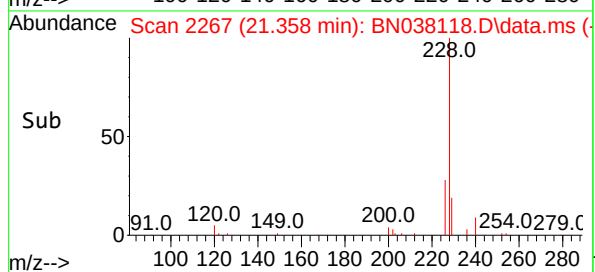
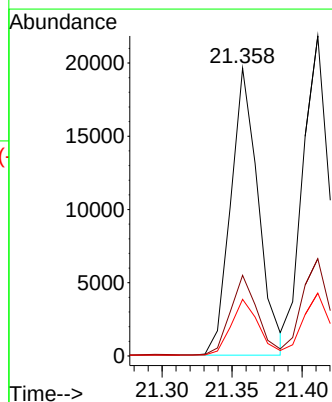
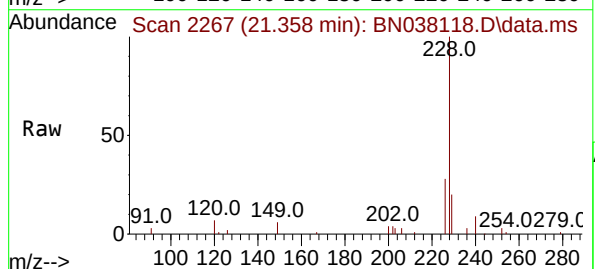
Instrument :
BNA_N
ClientSampleId :
ICVBN102825

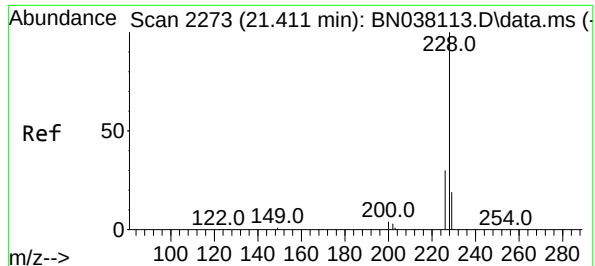
Tgt Ion:244 Resp: 17430
Ion Ratio Lower Upper
244 100
212 9.6 7.8 11.6
122 19.1 15.2 22.8



#32
Benzo(a)anthracene
Concen: 0.402 ng
RT: 21.358 min Scan# 2267
Delta R.T. 0.000 min
Lab File: BN038118.D
Acq: 28 Oct 2025 17:51

Tgt Ion:228 Resp: 26833
Ion Ratio Lower Upper
228 100
226 28.0 22.2 33.4
229 19.7 15.8 23.8





#33

Chrysene

Concen: 0.428 ng

RT: 21.411 min Scan# 21

Delta R.T. 0.000 min

Lab File: BN038118.D

Acq: 28 Oct 2025 17:51

Instrument :

BNA_N

ClientSampleId :

ICVBN102825

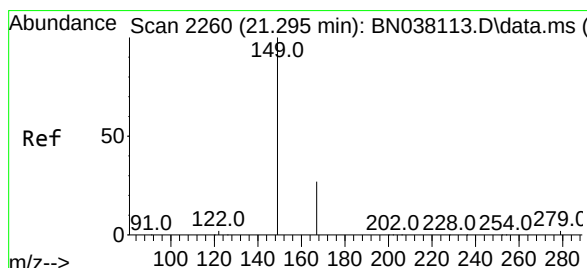
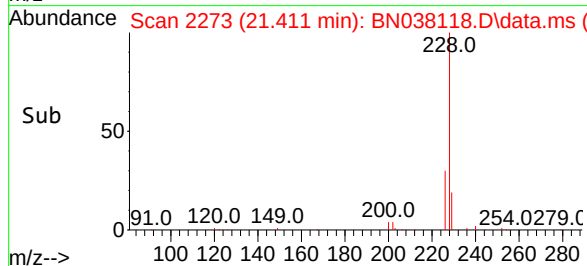
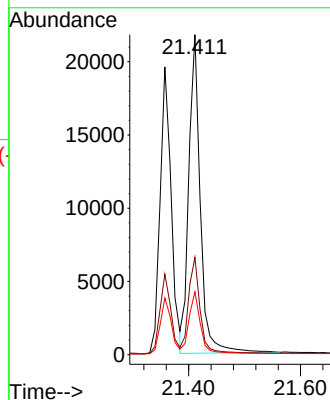
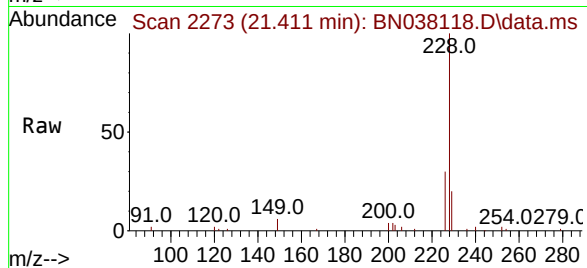
Tgt Ion:228 Resp: 31031

Ion Ratio Lower Upper

228 100

226 30.4 24.3 36.5

229 19.6 15.7 23.5



#34

Bis(2-ethylhexyl)phthalate

Concen: 0.358 ng

RT: 21.295 min Scan# 2260

Delta R.T. 0.000 min

Lab File: BN038118.D

Acq: 28 Oct 2025 17:51

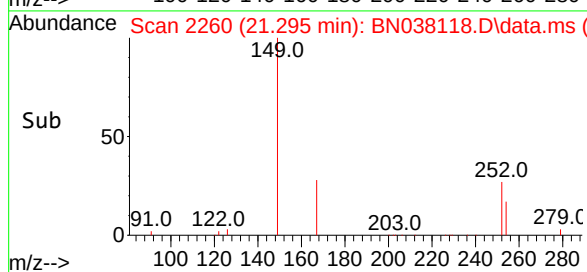
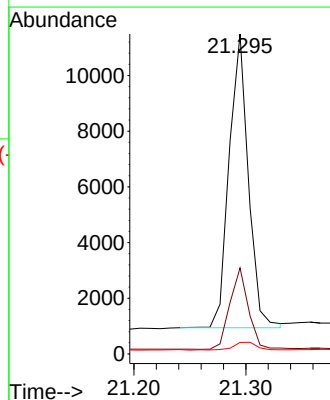
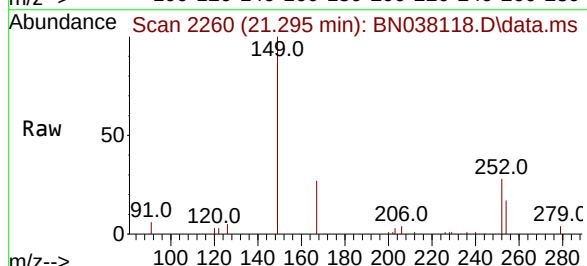
Tgt Ion:149 Resp: 12587

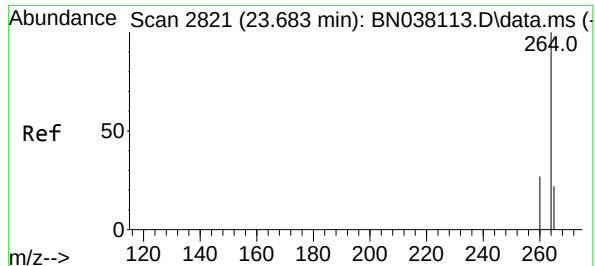
Ion Ratio Lower Upper

149 100

167 27.0 21.1 31.7

279 3.4 2.9 4.3





#35

Perylene-d12

Concen: 0.400 ng

RT: 23.683 min Scan# 2821

Delta R.T. 0.003 min

Lab File: BN038118.D

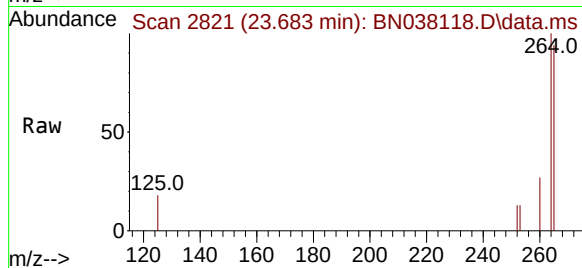
Acq: 28 Oct 2025 17:51

Instrument :

BNA_N

ClientSampleId :

ICVBN102825



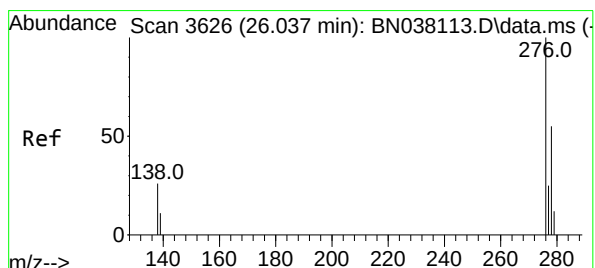
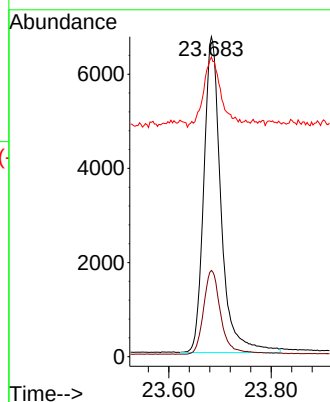
Tgt Ion:264 Resp: 15660

Ion Ratio Lower Upper

264 100

260 27.0 21.8 32.8

265 93.6 68.6 102.8



#36

Indeno(1,2,3-cd)pyrene

Concen: 0.406 ng

RT: 26.037 min Scan# 3626

Delta R.T. 0.003 min

Lab File: BN038118.D

Acq: 28 Oct 2025 17:51

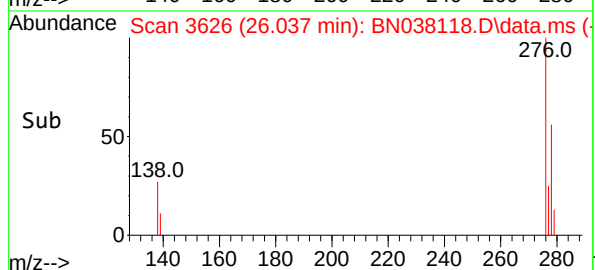
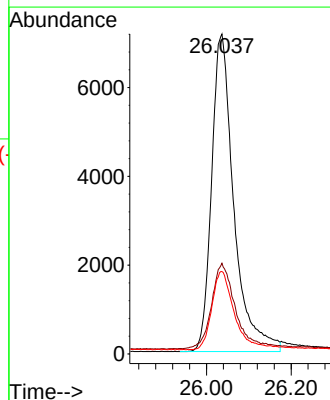
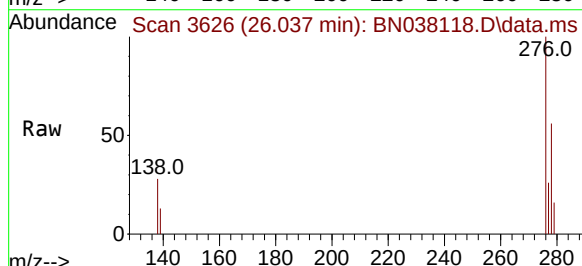
Tgt Ion:276 Resp: 26115

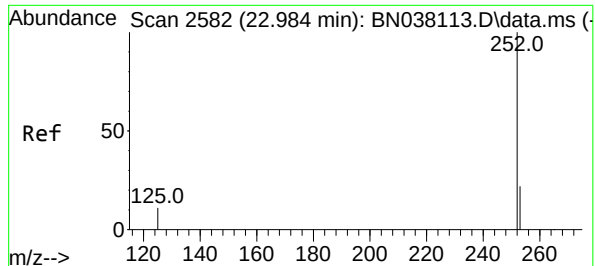
Ion Ratio Lower Upper

276 100

138 27.9 21.4 32.0

277 24.8 19.2 28.8





#37

Benzo(b)fluoranthene

Concen: 0.405 ng

RT: 22.984 min Scan# 2582

Delta R.T. 0.003 min

Lab File: BN038118.D

Acq: 28 Oct 2025 17:51

Instrument :

BNA_N

ClientSampleId :

ICVBN102825

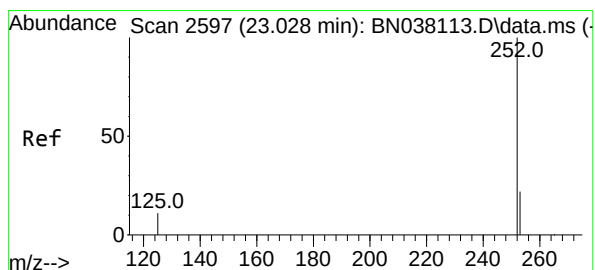
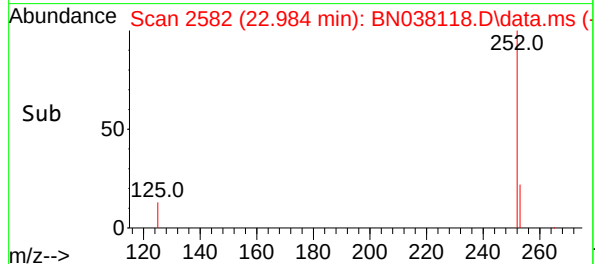
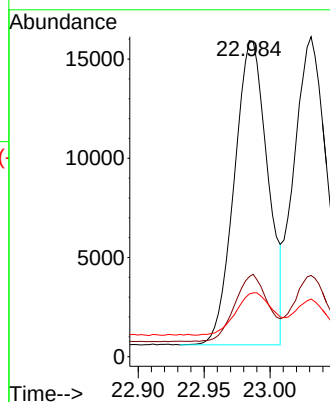
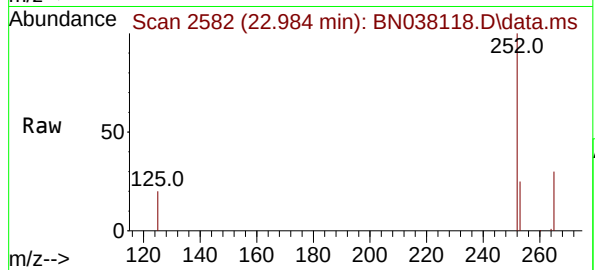
Tgt Ion:252 Resp: 27124

Ion Ratio Lower Upper

252 100

253 25.3 20.9 31.3

125 19.9 14.1 21.1



#38

Benzo(k)fluoranthene

Concen: 0.439 ng

RT: 23.031 min Scan# 2598

Delta R.T. 0.003 min

Lab File: BN038118.D

Acq: 28 Oct 2025 17:51

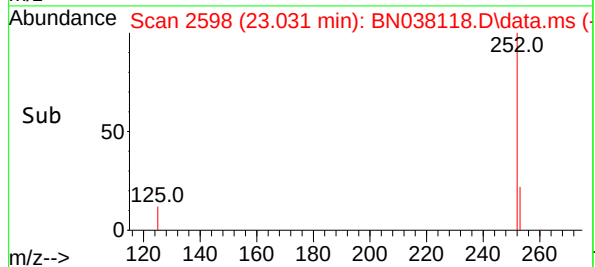
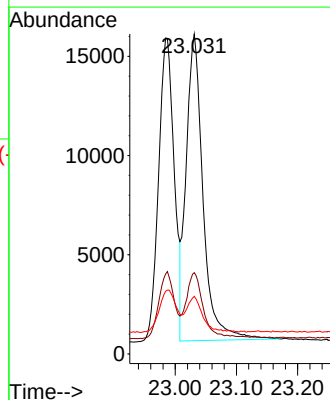
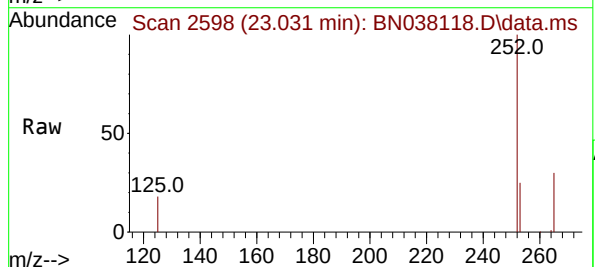
Tgt Ion:252 Resp: 29583

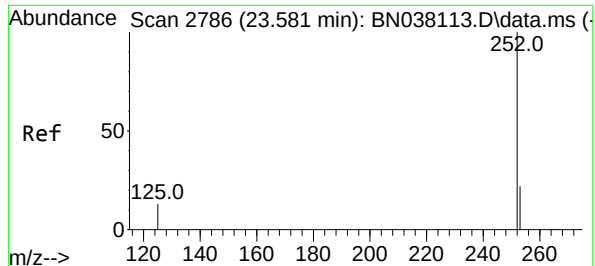
Ion Ratio Lower Upper

252 100

253 25.4 21.2 31.8

125 18.0 14.6 22.0





#39

Benzo(a)pyrene

Concen: 0.437 ng

RT: 23.581 min Scan# 21

Delta R.T. 0.003 min

Lab File: BN038118.D

Acq: 28 Oct 2025 17:51

Instrument :

BNA_N

ClientSampleId :

ICVBN102825

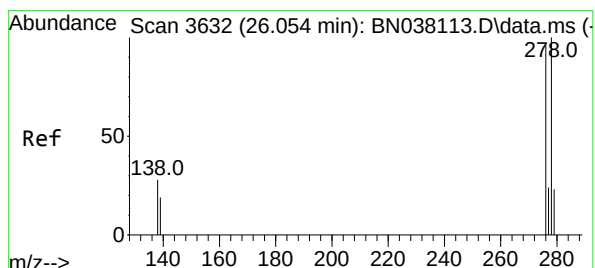
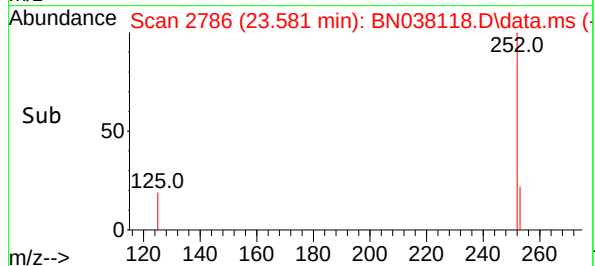
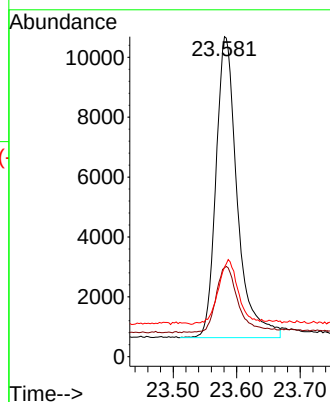
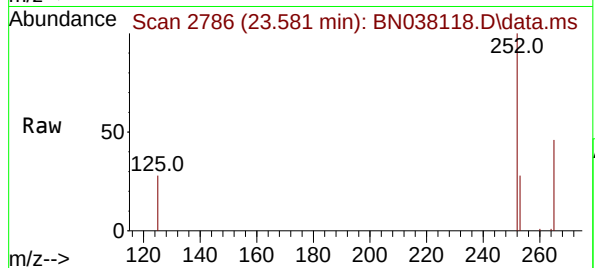
Tgt Ion:252 Resp: 23400

Ion Ratio Lower Upper

252 100

253 27.8 23.1 34.7

125 28.0 18.6 28.0#



#40

Dibenzo(a,h)anthracene

Concen: 0.403 ng

RT: 26.051 min Scan# 3631

Delta R.T. 0.003 min

Lab File: BN038118.D

Acq: 28 Oct 2025 17:51

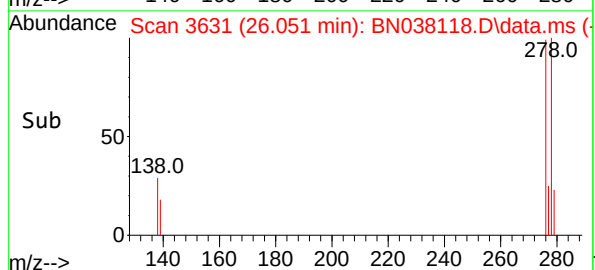
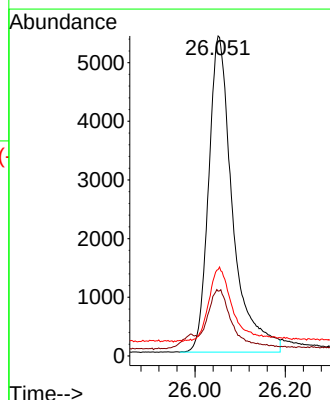
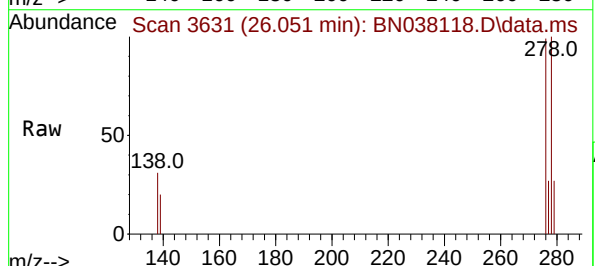
Tgt Ion:278 Resp: 19931

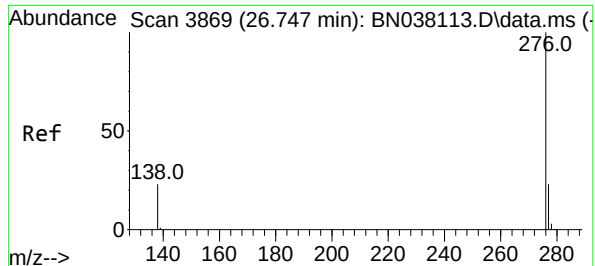
Ion Ratio Lower Upper

278 100

139 20.2 17.6 26.4

279 27.0 22.6 33.8





#41

Benzo(g,h,i)perylene

Concen: 0.392 ng

RT: 26.756 min Scan# 3872

Delta R.T. 0.006 min

Lab File: BN038118.D

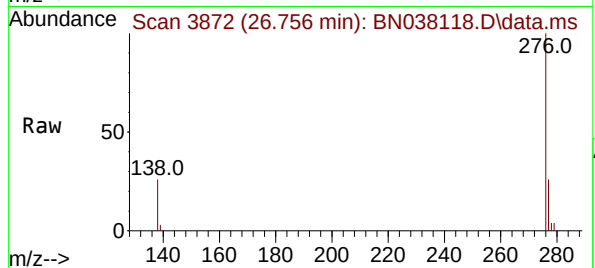
Acq: 28 Oct 2025 17:51

Instrument :

BNA_N

ClientSampleId :

ICVBN102825



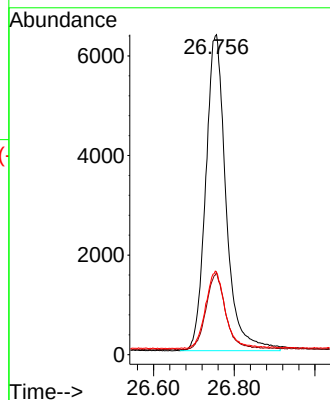
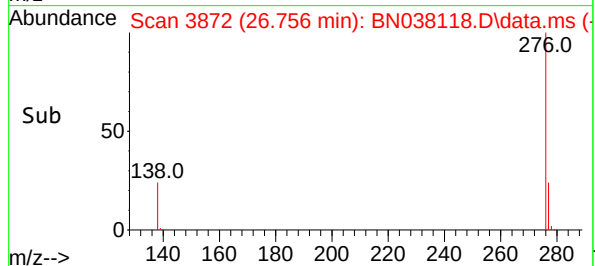
Tgt Ion:276 Resp: 22180

Ion Ratio Lower Upper

276 100

277 25.7 19.7 29.5

138 25.7 20.2 30.4



Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN102825\
 Data File : BN038118.D
 Acq On : 28 Oct 2025 17:51
 Operator : RC/JU
 Sample : SSTDICV0.4
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 ICBVN102825

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

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1 I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	84	0.00
2	1,4-Dioxane	0.413	0.455	-10.2	90	0.00
3	n-Nitrosodimethylamine	0.532	0.529	0.6	82	0.00
4 S	2-Fluorophenol	0.942	0.866	8.1	76	0.00
5 S	Phenol-d6	1.148	1.006	12.4	74	0.00
6	bis(2-Chloroethyl)ether	1.128	1.202	-6.6	89	0.00
7 I	Naphthalene-d8	1.000	1.000	0.0	84	0.01
8 S	Nitrobenzene-d5	0.323	0.285	11.8	76	0.00
9	Naphthalene	1.102	1.121	-1.7	87	0.00
10	Hexachlorobutadiene	0.186	0.202	-8.6	91	0.00
11 SURR	2-Methylnaphthalene-d10	0.571	0.585	-2.5	89	0.00
12	2-Methylnaphthalene	0.735	0.704	4.2	84	0.00
13 I	Acenaphthene-d10	1.000	1.000	0.0	86	0.01
14 S	2,4,6-Tribromophenol	0.165	0.140	15.2	81	0.00
15 S	2-Fluorobiphenyl	1.602	1.647	-2.8	90	0.01
16	Acenaphthylene	1.811	2.060	-13.7	103	0.00
17	Acenaphthene	1.267	1.262	0.4	89	0.01
18	Fluorene	1.661	1.719	-3.5	92	0.00
19 I	Phenanthrene-d10	1.000	1.000	0.0	89	0.00
20	4,6-Dinitro-2-methylphenol	0.055	0.043	21.8	86	0.00
21	4-Bromophenyl-phenylether	0.262	0.262	0.0	93	0.00
22	Hexachlorobenzene	0.298	0.318	-6.7	95	0.00
23	Atrazine	0.192	0.178	7.3	90	0.00
24	Pentachlorophenol	0.128	0.113	11.7	93	0.00
25	Phenanthrene	1.270	1.294	-1.9	94	0.00
26	Anthracene	1.111	1.129	-1.6	96	0.00
27 SURR	Fluoranthene-d10	1.009	0.981	2.8	91	0.00
28	Fluoranthene	1.419	1.347	5.1	89	0.00
29 I	Chrysene-d12	1.000	1.000	0.0	87	0.00
30	Pyrene	1.806	1.903	-5.4	90	0.00
31 S	Terphenyl-d14	0.869	0.931	-7.1	93	0.00
32	Benzo(a)anthracene	1.427	1.433	-0.4	92	0.00
33	Chrysene	1.549	1.657	-7.0	93	0.00
34	Bis(2-ethylhexyl)phthalate	0.752	0.672	10.6	81	0.00
35 I	Perylene-d12	1.000	1.000	0.0	87	0.00
36	Indeno(1,2,3-cd)pyrene	1.643	1.668	-1.5	91	0.00
37	Benzo(b)fluoranthene	1.710	1.732	-1.3	93	0.00
38	Benzo(k)fluoranthene	1.721	1.889	-9.8	102	0.00
39 C	Benzo(a)pyrene	1.369	1.494	-9.1	99	0.00
40	Dibenzo(a,h)anthracene	1.265	1.273	-0.6	93	0.00
41	Benzo(g,h,i)perylene	1.444	1.416	1.9	87	0.00

(#) = Out of Range

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

Instrument :

BNA_N

ClientSampleId :

ICVBN102825

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN102825\
 Data File : BN038118.D
 Acq On : 28 Oct 2025 17:51
 Operator : RC/JU
 Sample : SSTDICV0.4
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 ICVBN102825

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

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1 I	1,4-Dichlorobenzene-d4	0.400	0.400	0.0	84	0.00
2	1,4-Dioxane	0.400	0.440	-10.0	90	0.00
3	n-Nitrosodimethylamine	0.400	0.398	0.5	82	0.00
4 S	2-Fluorophenol	0.400	0.368	8.0	76	0.00
5 S	Phenol-d6	0.400	0.351	12.3	74	0.00
6	bis(2-Chloroethyl)ether	0.400	0.427	-6.7	89	0.00
7 I	Naphthalene-d8	0.400	0.400	0.0	84	0.01
8 S	Nitrobenzene-d5	0.400	0.353	11.8	76	0.00
9	Naphthalene	0.400	0.407	-1.7	87	0.00
10	Hexachlorobutadiene	0.400	0.435	-8.7	91	0.00
11 SURR	2-Methylnaphthalene-d10	0.400	0.410	-2.5	89	0.00
12	2-Methylnaphthalene	0.400	0.384	4.0	84	0.00
13 I	Acenaphthene-d10	0.400	0.400	0.0	86	0.01
14 S	2,4,6-Tribromophenol	0.400	0.340	15.0	81	0.00
15 S	2-Fluorobiphenyl	0.400	0.411	-2.7	90	0.01
16	Acenaphthylene	0.400	0.455	-13.7	103	0.00
17	Acenaphthene	0.400	0.398	0.5	89	0.01
18	Fluorene	0.400	0.414	-3.5	92	0.00
19 I	Phenanthrene-d10	0.400	0.400	0.0	89	0.00
20	4,6-Dinitro-2-methylphenol	0.400	0.411	-2.7	86	0.00
21	4-Bromophenyl-phenylether	0.400	0.400	0.0	93	0.00
22	Hexachlorobenzene	0.400	0.426	-6.5	95	0.00
23	Atrazine	0.400	0.370	7.5	90	0.00
24	Pentachlorophenol	0.400	0.351	12.3	93	0.00
25	Phenanthrene	0.400	0.408	-2.0	94	0.00
26	Anthracene	0.400	0.406	-1.5	96	0.00
27 SURR	Fluoranthene-d10	0.400	0.389	2.8	91	0.00
28	Fluoranthene	0.400	0.380	5.0	89	0.00
29 I	Chrysene-d12	0.400	0.400	0.0	87	0.00
30	Pyrene	0.400	0.422	-5.5	90	0.00
31 S	Terphenyl-d14	0.400	0.428	-7.0	93	0.00
32	Benzo(a)anthracene	0.400	0.402	-0.5	92	0.00
33	Chrysene	0.400	0.428	-7.0	93	0.00
34	Bis(2-ethylhexyl)phthalate	0.400	0.358	10.5	81	0.00
35 I	Perylene-d12	0.400	0.400	0.0	87	0.00
36	Indeno(1,2,3-cd)pyrene	0.400	0.406	-1.5	91	0.00
37	Benzo(b)fluoranthene	0.400	0.405	-1.3	93	0.00
38	Benzo(k)fluoranthene	0.400	0.439	-9.7	102	0.00
39 C	Benzo(a)pyrene	0.400	0.437	-9.2	99	0.00
40	Dibenzo(a,h)anthracene	0.400	0.403	-0.8	93	0.00
41	Benzo(g,h,i)perylene	0.400	0.392	2.0	87	0.00

(#) = Out of Range

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

Instrument :

BNA_N

ClientSampleId :

ICVBN102825



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

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name:	<u>Alliance</u>	Contract:	<u>REMI02</u>
Lab Code:	<u>ACE</u>	SDG No.:	<u>Q3569</u>
Instrument ID:	<u>BNA_N</u>	Calibration Date/Time:	<u>11/12/2025 09:31</u>
Lab File ID:	<u>BN038183.D</u>	Init. Calib. Date(s):	<u>10/28/2025 10/28/2025</u>
EPA Sample No.:	<u>SSTDCCC0.4</u>	Init. Calib. Time(s):	<u>13:00 16:38</u>
GC Column:	<u>ZB-GR</u>	ID:	<u>0.25</u> (mm)

COMPOUND	RRF	RRF0.4	MIN RRF	%D	MAX%D
2-Methylnaphthalene-d10	0.571	0.558		-2.3	20.0
Fluoranthene-d10	1.008	0.917		-9.0	20.0
2-Fluorophenol	0.943	0.939		-0.4	20.0
Phenol-d6	1.148	1.155		0.6	20.0
Nitrobenzene-d5	0.323	0.321		-0.6	20.0
2-Fluorobiphenyl	1.602	1.475		-7.9	20.0
2,4,6-Tribromophenol	0.165	0.138		-16.4	20.0
Terphenyl-d14	0.869	0.919		5.8	20.0
1,4-Dioxane	0.416	0.395		-5.0	20.0

All other compounds must meet a minimum RRF of 0.010.

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN111225\
 Data File : BN038183.D
 Acq On : 12 Nov 2025 09:31
 Operator : RC/JU
 Sample : SSTDCCC0.4
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 SSTDCCC0.4

Quant Time: Nov 12 09:55:14 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN102825.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Oct 29 13:09:46 2025
 Response via : Initial Calibration

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

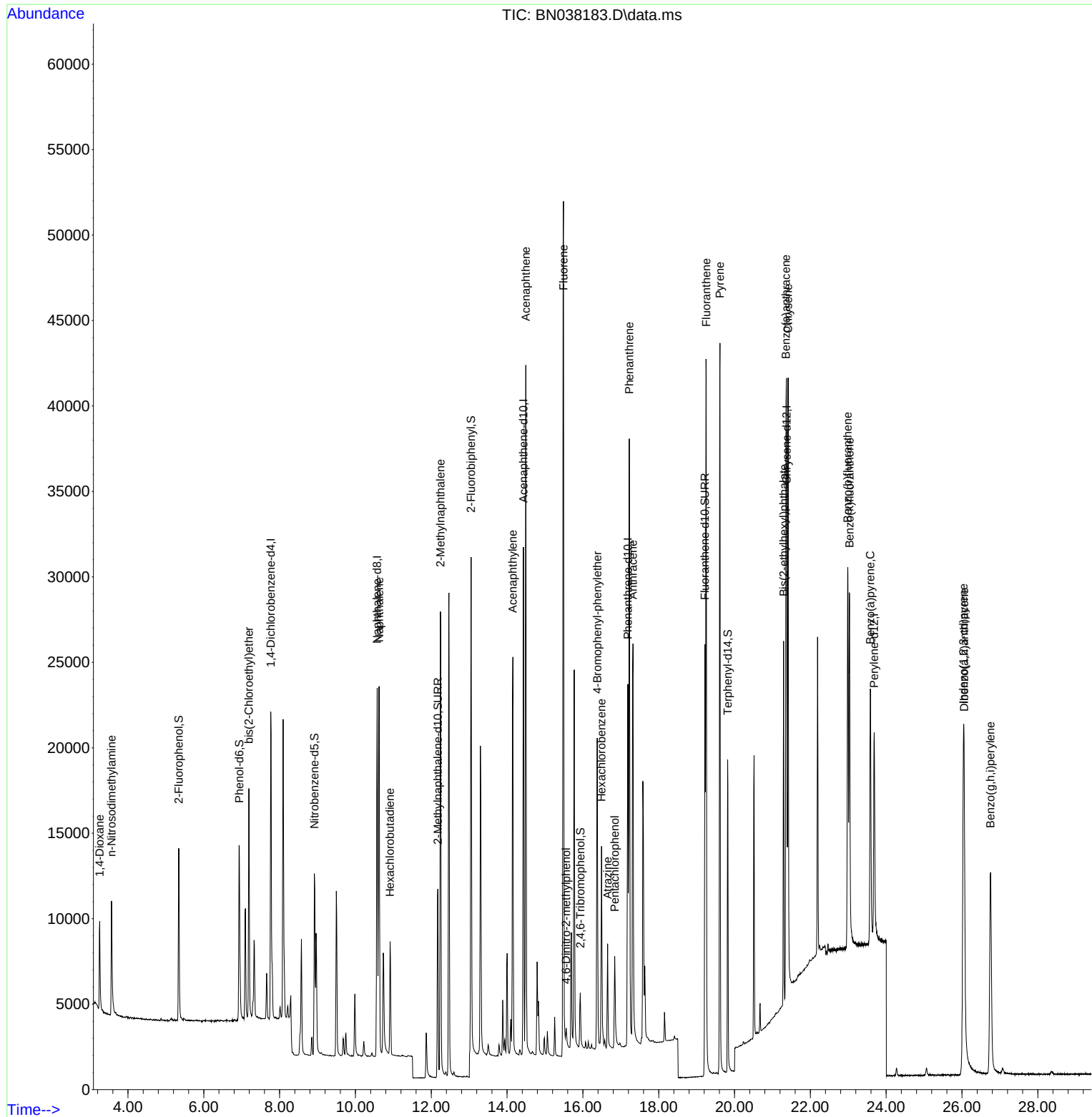
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.768	152	9292	0.400	ng	0.00
7) Naphthalene-d8	10.573	136	28984	0.400	ng	0.00
13) Acenaphthene-d10	14.430	164	16601	0.400	ng	0.00
19) Phenanthrene-d10	17.186	188	31060	0.400	ng	0.00
29) Chrysene-d12	21.375	240	20792	0.400	ng	0.00
35) Perylene-d12	23.683	264	18070	0.400	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.341	112	8728	0.399	ng	0.00
5) Phenol-d6	6.937	99	10734	0.403	ng	0.00
8) Nitrobenzene-d5	8.918	82	9293	0.397	ng	-0.01
11) 2-Methylnaphthalene-d10	12.172	152	16185	0.391	ng	0.00
14) 2,4,6-Tribromophenol	15.932	330	2284	0.334	ng	0.00
15) 2-Fluorobiphenyl	13.051	172	24480	0.368	ng	0.00
27) Fluoranthene-d10	19.220	212	28469	0.363	ng	0.00
31) Terphenyl-d14	19.819	244	19106	0.423	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.254	88	3671	0.382	ng	98
3) n-Nitrosodimethylamine	3.564	42	4836	0.391	ng	# 97
6) bis(2-Chloroethyl)ether	7.190	93	10315	0.394	ng	100
9) Naphthalene	10.626	128	31548	0.395	ng	100
10) Hexachlorobutadiene	10.915	225	5431	0.403	ng	# 98
12) 2-Methylnaphthalene	12.243	142	20862	0.392	ng	98
16) Acenaphthylene	14.152	152	28359	0.377	ng	100
17) Acenaphthene	14.494	154	19756	0.376	ng	98
18) Fluorene	15.489	166	26301	0.382	ng	100
20) 4,6-Dinitro-2-methylph...	15.560	198	872	0.331	ng	# 66
21) 4-Bromophenyl-phenylether	16.379	248	7871	0.387	ng	# 91
22) Hexachlorobenzene	16.491	284	9503	0.410	ng	99
23) Atrazine	16.652	200	5162	0.346	ng	100
24) Pentachlorophenol	16.838	266	3395	0.340	ng	99
25) Phenanthrene	17.223	178	37816	0.384	ng	99
26) Anthracene	17.322	178	31893	0.370	ng	99
28) Fluoranthene	19.253	202	40496	0.368	ng	99
30) Pyrene	19.615	202	40395	0.430	ng	100
32) Benzo(a)anthracene	21.358	228	27991	0.377	ng	99
33) Chrysene	21.411	228	31824	0.395	ng	100
34) Bis(2-ethylhexyl)phtha...	21.295	149	18745	0.480	ng	99
36) Indeno(1,2,3-cd)pyrene	26.037	276	31003	0.418	ng	98
37) Benzo(b)fluoranthene	22.987	252	28559	0.370	ng	97
38) Benzo(k)fluoranthene	23.031	252	29142	0.375	ng	99
39) Benzo(a)pyrene	23.584	252	24209	0.391	ng	# 95
40) Dibenzo(a,h)anthracene	26.057	278	23782	0.416	ng	97
41) Benzo(g,h,i)perylene	26.753	276	27438	0.421	ng	100

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

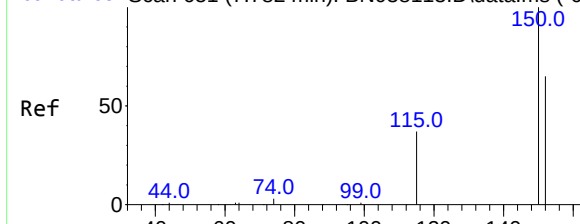
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN111225\
Data File : BN038183.D
Acq On : 12 Nov 2025 09:31
Operator : RC/JU
Sample : SSTDCCC0.4
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Quant Time: Nov 12 09:55:14 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN102825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Oct 29 13:09:46 2025
Response via : Initial Calibration

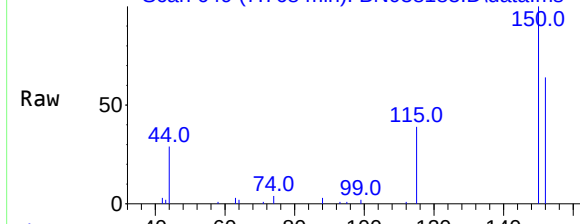


Abundance Scan 651 (7.782 min): BN038113.D\data.ms (-64



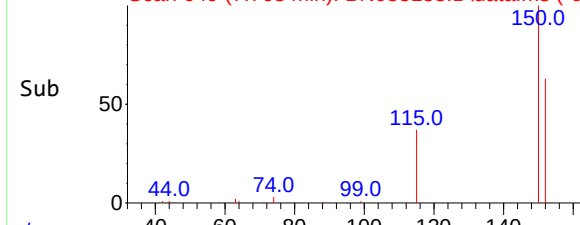
m/z-->

Abundance Scan 649 (7.768 min): BN038183.D\data.ms



m/z-->

Abundance Scan 649 (7.768 min): BN038183.D\data.ms (-62



m/z-->

#1

1,4-Dichlorobenzene-d4

Concen: 0.400 ng

RT: 7.768 min Scan# 64

Delta R.T. -0.007 min

Lab File: BN038183.D

Acq: 12 Nov 2025 09:31

Instrument :

BNA_N

ClientSampleId :

SSTDCCC0.4

Tgt Ion:152 Resp: 9292

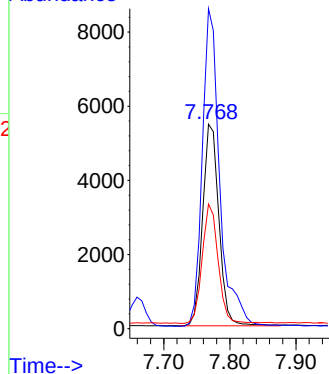
Ion Ratio Lower Upper

152 100

150 156.5 122.3 183.5

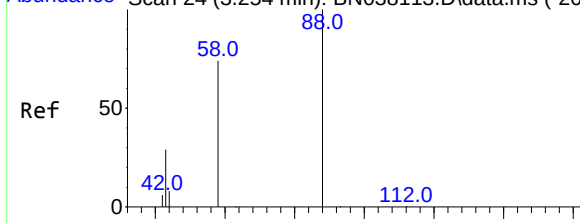
115 60.9 47.4 71.0

Abundance



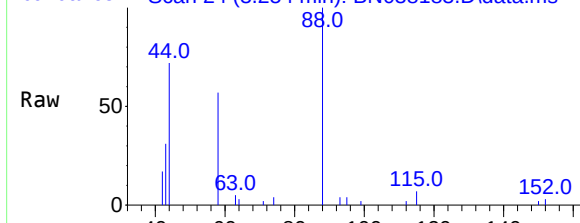
Time-->

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



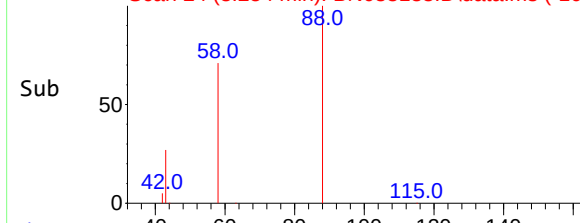
m/z-->

Abundance Scan 24 (3.254 min): BN038183.D\data.ms



m/z-->

Abundance Scan 24 (3.254 min): BN038183.D\data.ms (-10)



m/z-->

#2

1,4-Dioxane

Concen: 0.382 ng

RT: 3.254 min Scan# 24

Delta R.T. 0.000 min

Lab File: BN038183.D

Acq: 12 Nov 2025 09:31

Tgt Ion: 88 Resp: 3671

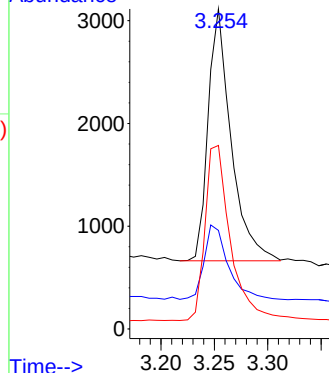
Ion Ratio Lower Upper

88 100

43 31.5 24.3 36.5

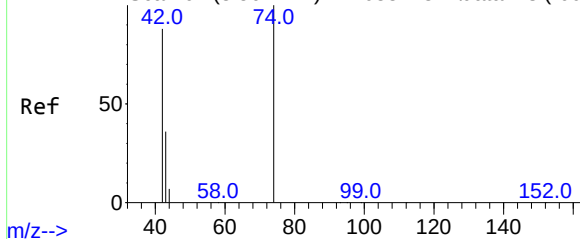
58 77.1 60.4 90.6

Abundance



Time-->

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



#3

n-Nitrosodimethylamine

Concen: 0.391 ng

RT: 3.564 min Scan# 61

Delta R.T. 0.007 min

Lab File: BN038183.D

Acq: 12 Nov 2025 09:31

Instrument :

BNA_N

ClientSampleId :

SSTDCCC0.4

Tgt Ion: 42 Resp: 4836

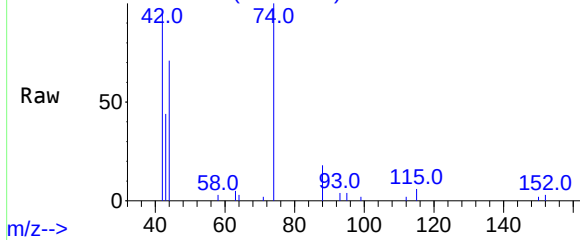
Ion Ratio Lower Upper

42 100

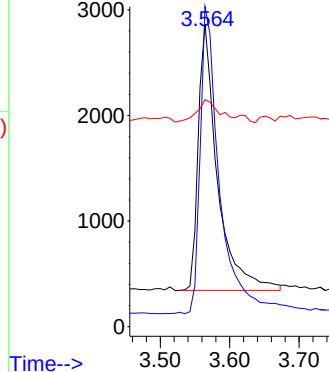
74 117.4 96.8 145.2

44 9.5 5.3 7.9#

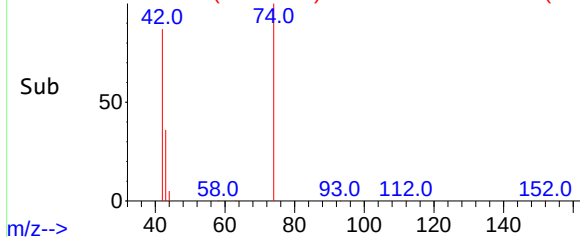
Abundance Scan 67 (3.564 min): BN038183.D\data.ms



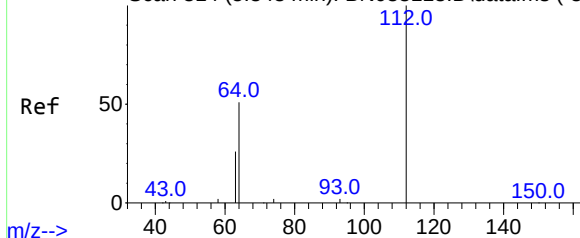
Abundance



Abundance Scan 67 (3.564 min): BN038183.D\data.ms (-45)



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



#4

2-Fluorophenol

Concen: 0.399 ng

RT: 5.341 min Scan# 313

Delta R.T. -0.007 min

Lab File: BN038183.D

Acq: 12 Nov 2025 09:31

Tgt Ion: 112 Resp: 8728

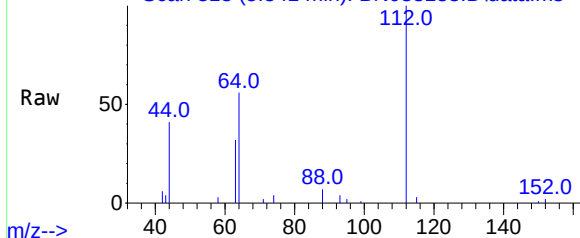
Ion Ratio Lower Upper

112 100

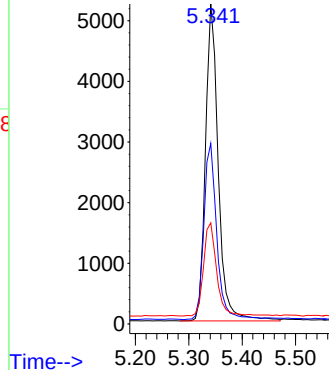
64 56.4 45.4 68.0

63 30.2 23.2 34.8

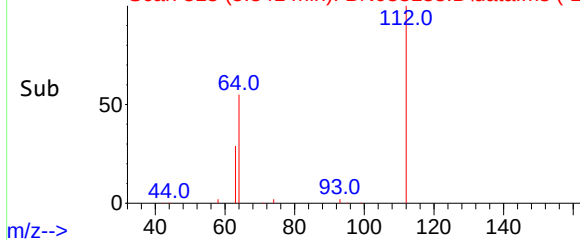
Abundance Scan 313 (5.341 min): BN038183.D\data.ms



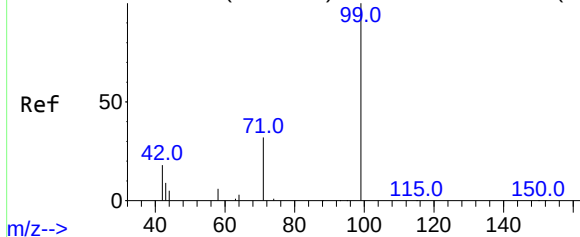
Abundance



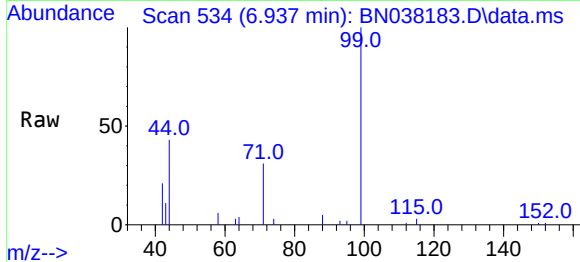
Abundance Scan 313 (5.341 min): BN038183.D\data.ms (-28)



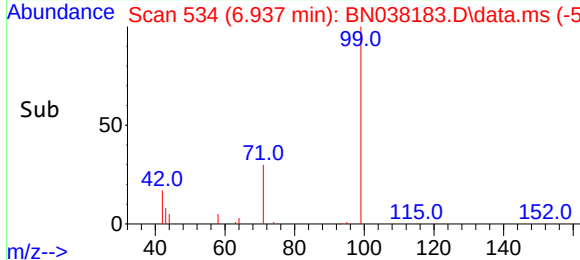
Abundance Scan 534 (6.937 min): BN038113.D\data.ms (-52



m/z--> Abundance Scan 534 (6.937 min): BN038183.D\data.ms



m/z--> Abundance Scan 534 (6.937 min): BN038183.D\data.ms (-50



m/z-->

#5

Phenol-d6

Concen: 0.403 ng

RT: 6.937 min Scan# 51

Delta R.T. 0.000 min

Lab File: BN038183.D

Acq: 12 Nov 2025 09:31

Instrument :

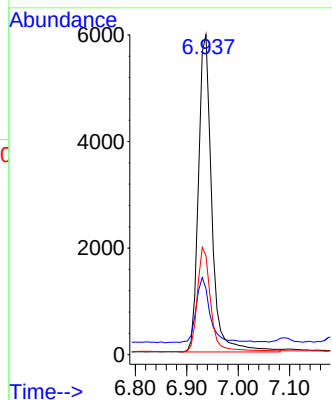
BNA_N

ClientSampleId :

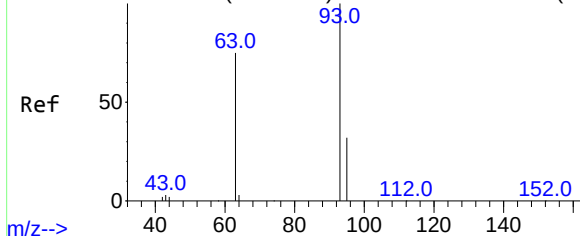
SSTDCCC0.4

Tgt Ion: 99 Resp: 10734

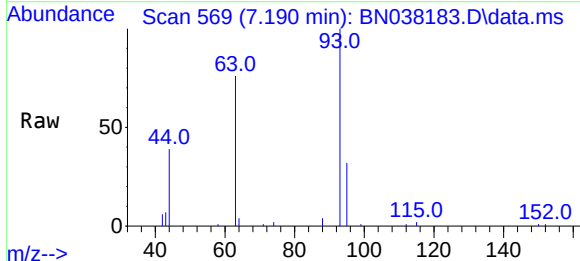
Ion	Ratio	Lower	Upper
99	100		
42	22.0	16.6	24.8
71	33.2	25.4	38.2



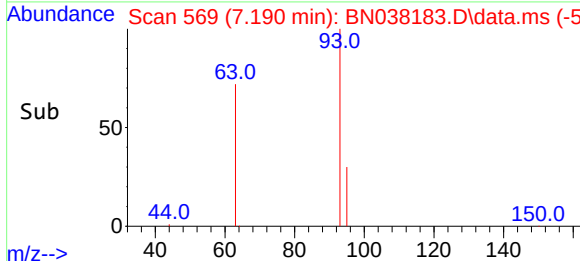
Abundance Scan 570 (7.197 min): BN038113.D\data.ms (-56



m/z--> Abundance Scan 569 (7.190 min): BN038183.D\data.ms



m/z--> Abundance Scan 569 (7.190 min): BN038183.D\data.ms (-53



m/z-->

#6

bis(2-Chloroethyl)ether

Concen: 0.394 ng

RT: 7.190 min Scan# 569

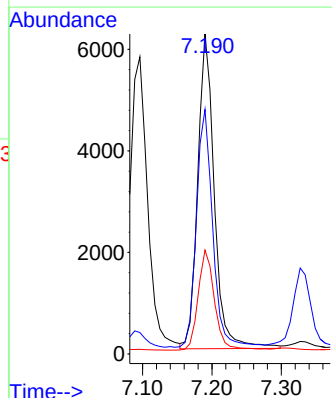
Delta R.T. -0.007 min

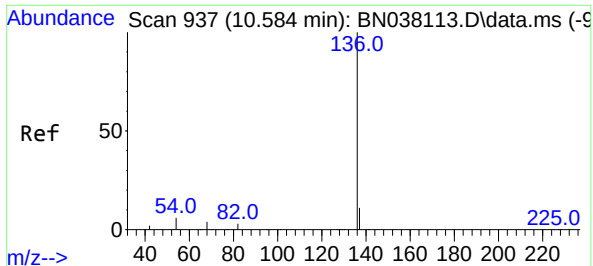
Lab File: BN038183.D

Acq: 12 Nov 2025 09:31

Tgt Ion: 93 Resp: 10315

Ion	Ratio	Lower	Upper
93	100		
63	74.1	59.3	88.9
95	31.6	25.2	37.8

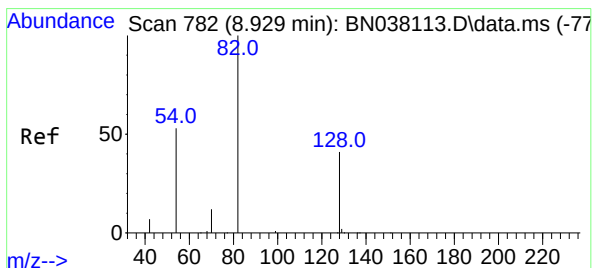
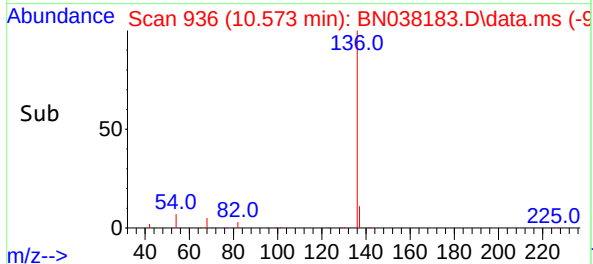
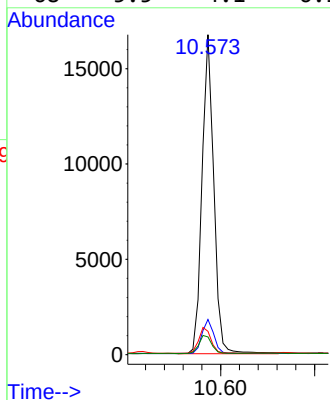
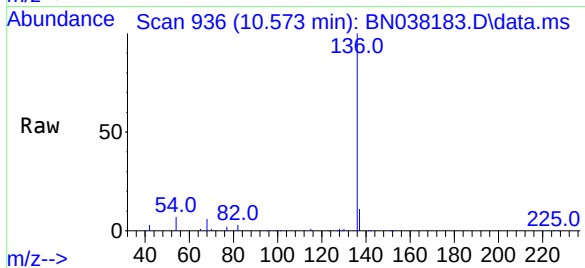




#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.573 min Scan# 91
Delta R.T. 0.000 min
Lab File: BN038183.D
Acq: 12 Nov 2025 09:31

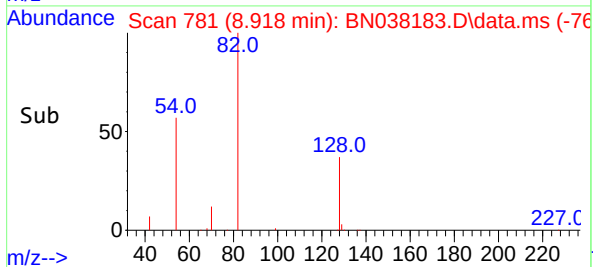
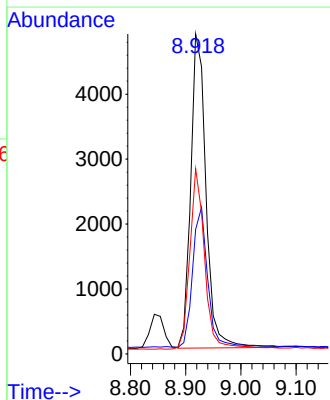
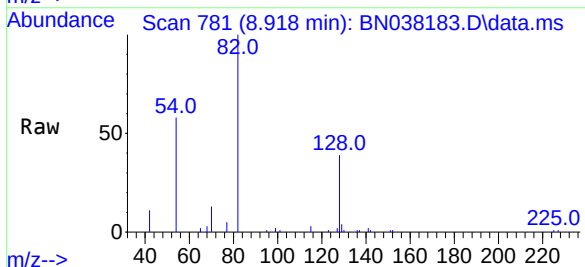
Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

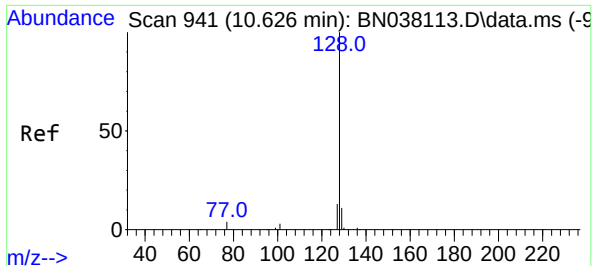
Tgt Ion:	136	Resp:	28984
Ion	Ratio	Lower	Upper
136	100		
137	11.0	9.0	13.4
54	7.3	5.2	7.8
68	5.5	4.1	6.1



#8
Nitrobenzene-d5
Concen: 0.397 ng
RT: 8.918 min Scan# 781
Delta R.T. -0.011 min
Lab File: BN038183.D
Acq: 12 Nov 2025 09:31

Tgt Ion:	82	Resp:	9293
Ion	Ratio	Lower	Upper
82	100		
128	38.9	34.1	51.1
54	57.9	43.5	65.3

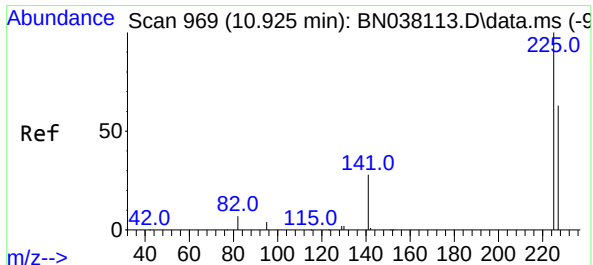
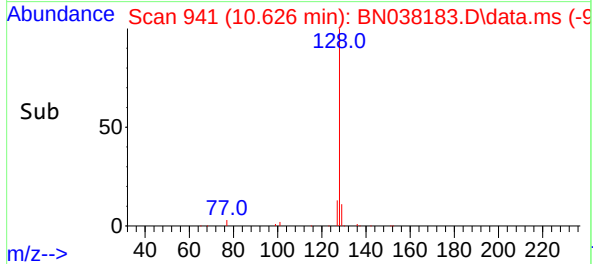
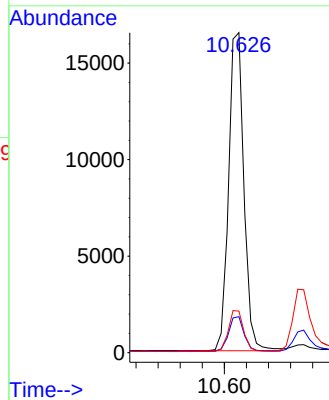
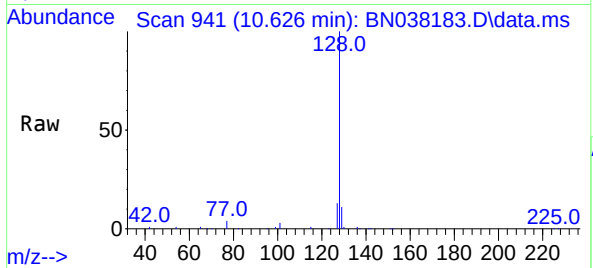




#9
Naphthalene
Concen: 0.395 ng
RT: 10.626 min Scan# 941
Delta R.T. 0.000 min
Lab File: BN038183.D
Acq: 12 Nov 2025 09:31

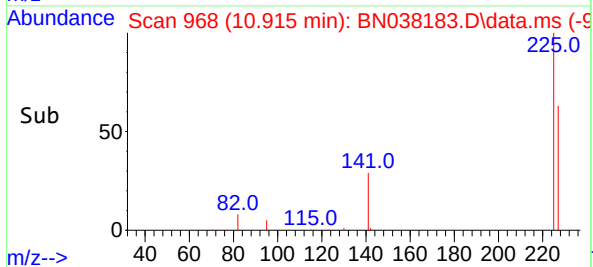
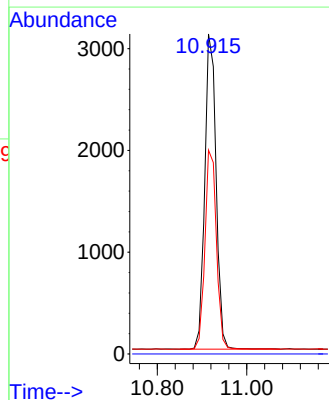
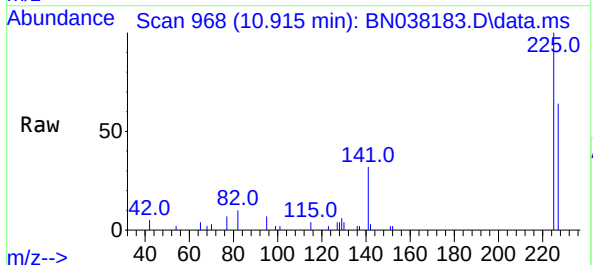
Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

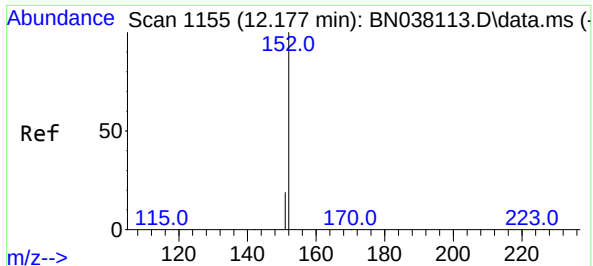
Tgt Ion:128 Resp: 31548
Ion Ratio Lower Upper
128 100
129 11.2 9.1 13.7
127 13.0 10.5 15.7



#10
Hexachlorobutadiene
Concen: 0.403 ng
RT: 10.915 min Scan# 968
Delta R.T. -0.011 min
Lab File: BN038183.D
Acq: 12 Nov 2025 09:31

Tgt Ion:225 Resp: 5431
Ion Ratio Lower Upper
225 100
223 0.0 0.0 0.0
227 64.2 50.3 75.5

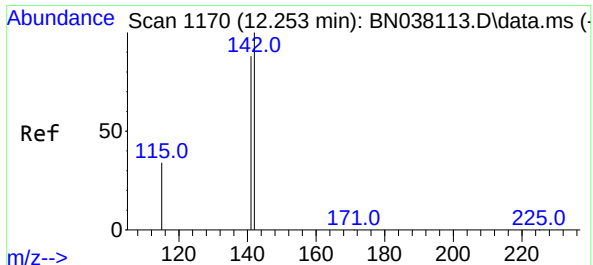
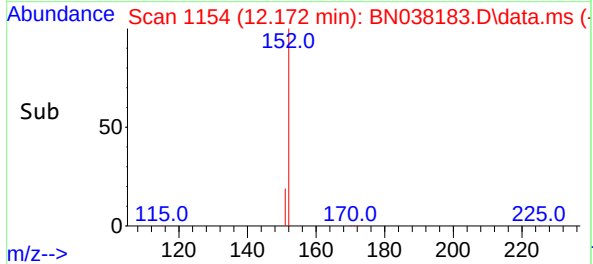
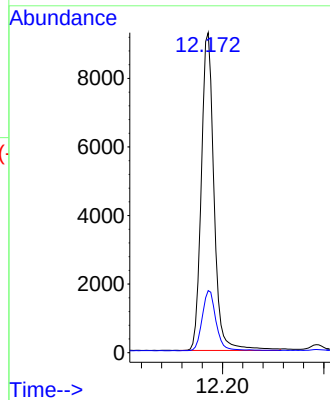
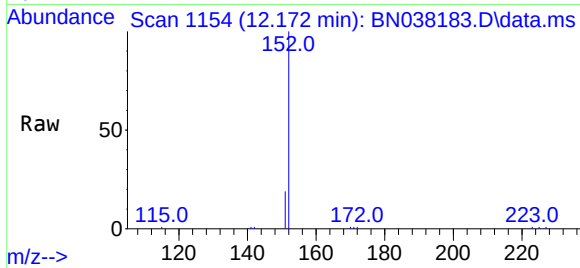




#11
2-Methylnaphthalene-d10
Concen: 0.391 ng
RT: 12.172 min Scan# 1154
Delta R.T. -0.005 min
Lab File: BN038183.D
Acq: 12 Nov 2025 09:31

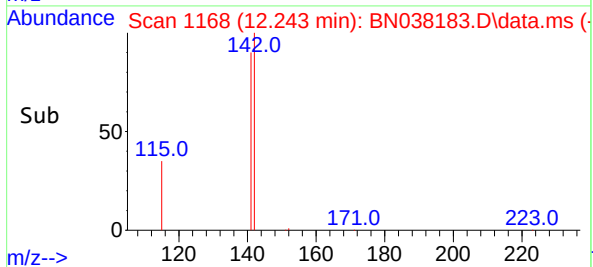
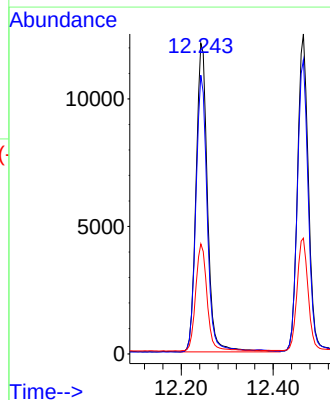
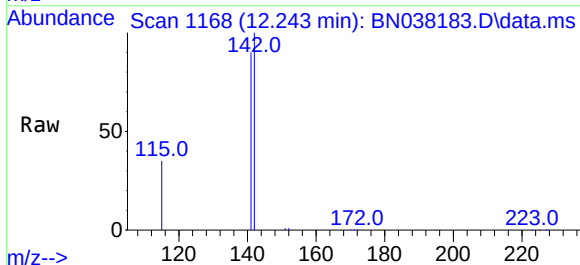
Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

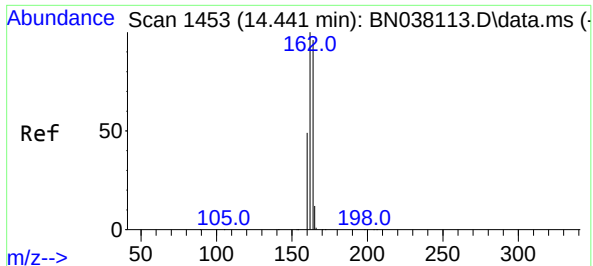
Tgt Ion:152 Resp: 16185
Ion Ratio Lower Upper
152 100
151 20.7 16.8 25.2



#12
2-Methylnaphthalene
Concen: 0.392 ng
RT: 12.243 min Scan# 1168
Delta R.T. -0.005 min
Lab File: BN038183.D
Acq: 12 Nov 2025 09:31

Tgt Ion:142 Resp: 20862
Ion Ratio Lower Upper
142 100
141 89.7 70.3 105.5
115 35.4 27.8 41.6





#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.430 min Scan# 14

Delta R.T. -0.000 min

Lab File: BN038183.D

Acq: 12 Nov 2025 09:31

Instrument :

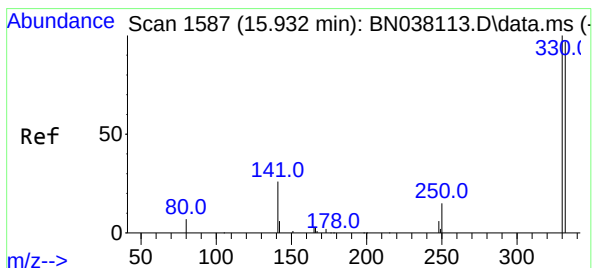
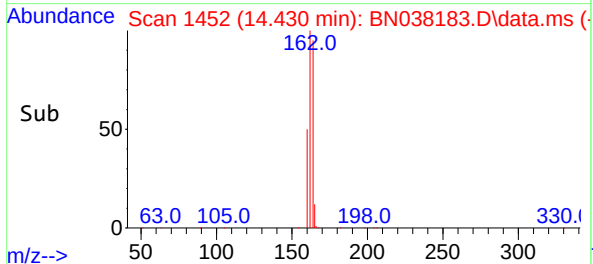
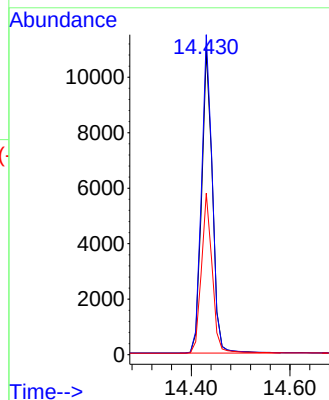
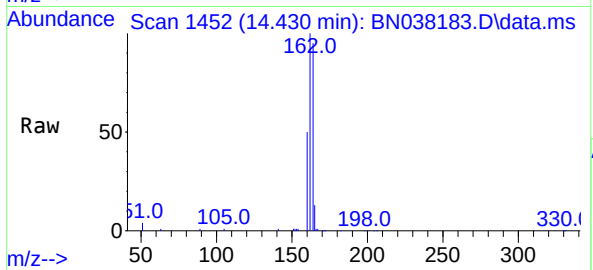
BNA_N

ClientSampleId :

SSTDCCC0.4

Tgt Ion:164 Resp: 16601

Ion	Ratio	Lower	Upper
164	100		
162	105.3	83.0	124.4
160	53.1	40.7	61.1



#14

2,4,6-Tribromophenol

Concen: 0.334 ng

RT: 15.932 min Scan# 1587

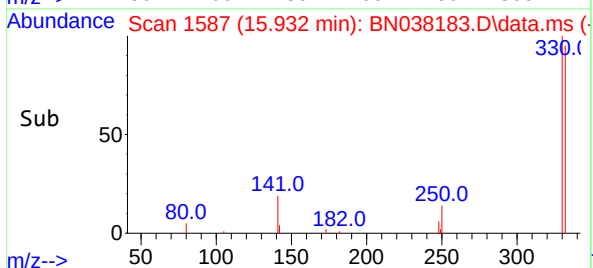
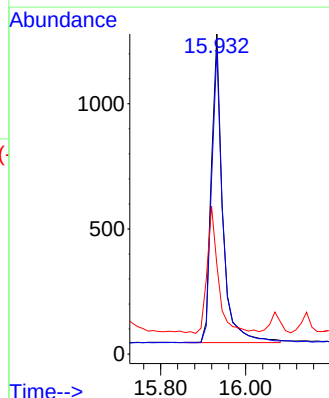
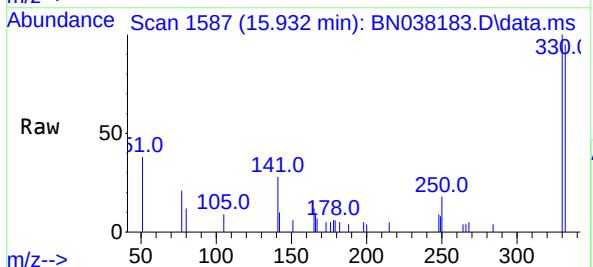
Delta R.T. 0.000 min

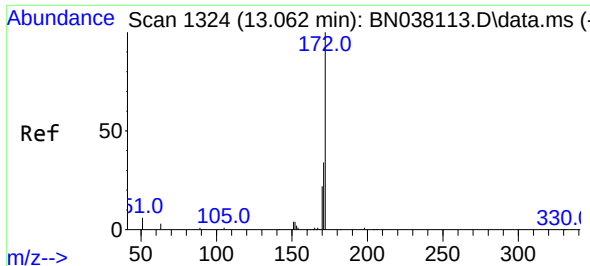
Lab File: BN038183.D

Acq: 12 Nov 2025 09:31

Tgt Ion:330 Resp: 2284

Ion	Ratio	Lower	Upper
330	100		
332	94.6	76.6	114.8
141	39.5	34.1	51.1

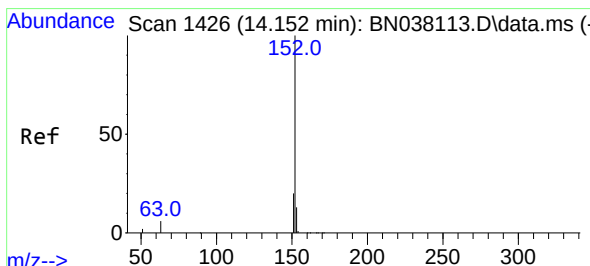
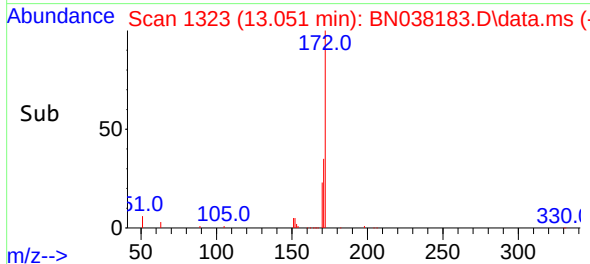
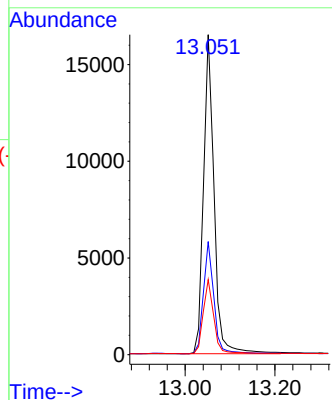
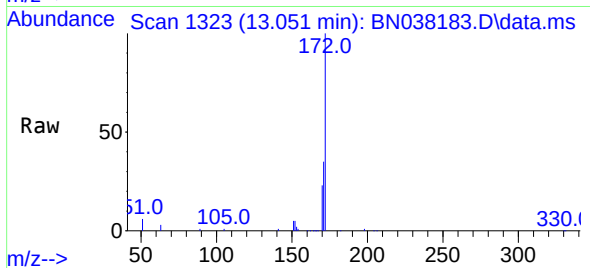




#15
2-Fluorobiphenyl
Concen: 0.368 ng
RT: 13.051 min Scan# 1323
Delta R.T. 0.000 min
Lab File: BN038183.D
Acq: 12 Nov 2025 09:31

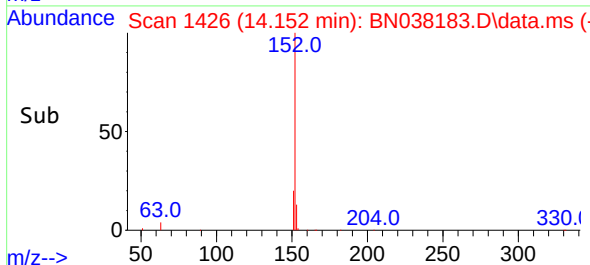
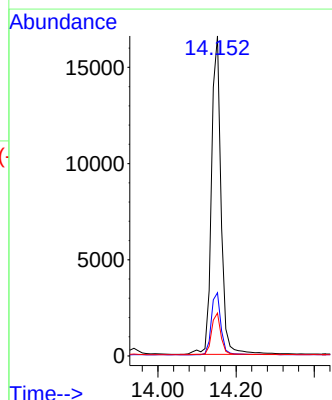
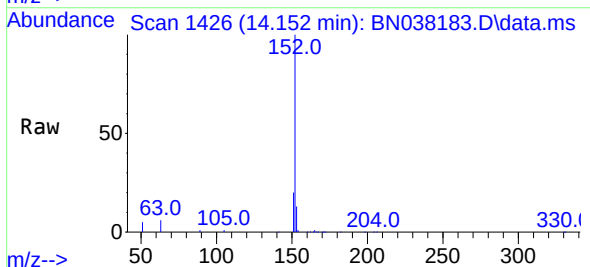
Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

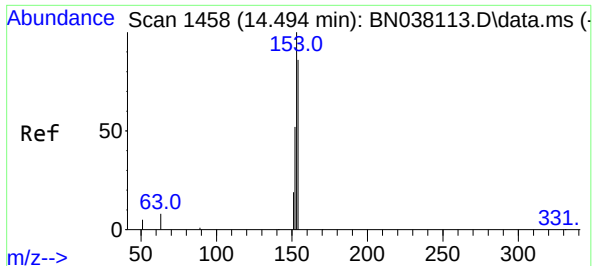
Tgt Ion:172 Resp: 24480
Ion Ratio Lower Upper
172 100
171 35.4 27.8 41.6
170 23.5 18.1 27.1



#16
Acenaphthylene
Concen: 0.377 ng
RT: 14.152 min Scan# 1426
Delta R.T. 0.000 min
Lab File: BN038183.D
Acq: 12 Nov 2025 09:31

Tgt Ion:152 Resp: 28359
Ion Ratio Lower Upper
152 100
151 19.8 15.8 23.8
153 12.9 10.2 15.2

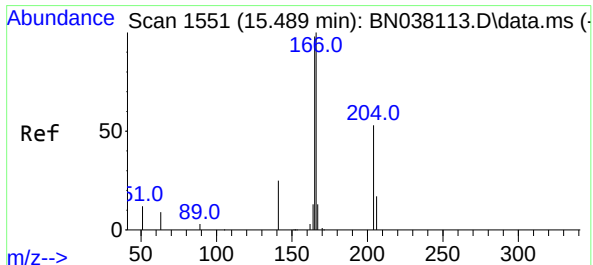
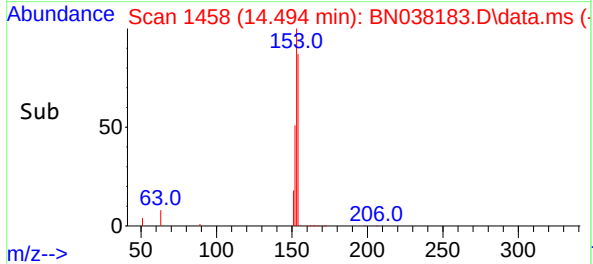
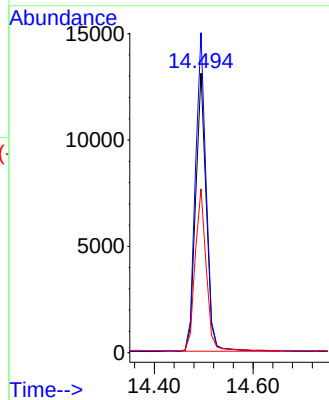
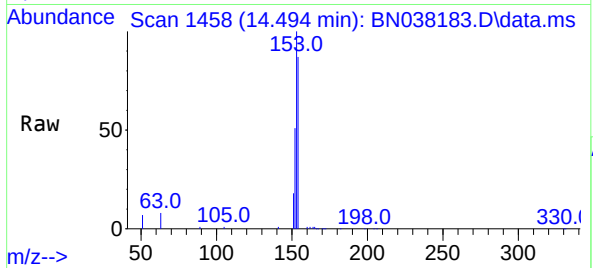




#17
Acenaphthene
Concen: 0.376 ng
RT: 14.494 min Scan# 1458
Delta R.T. 0.000 min
Lab File: BN038183.D
Acq: 12 Nov 2025 09:31

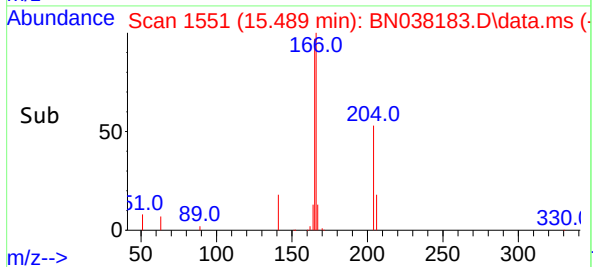
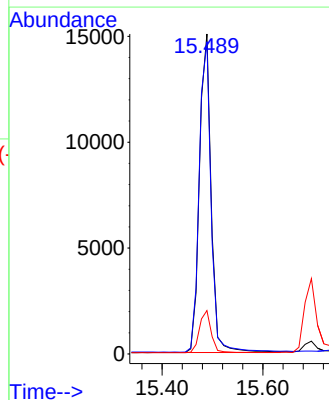
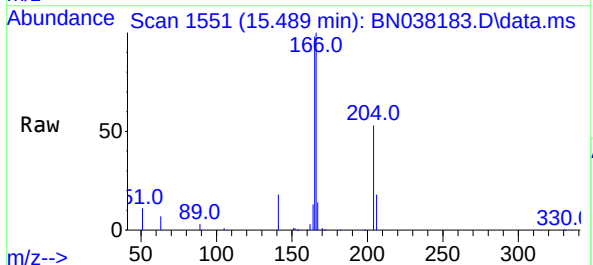
Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

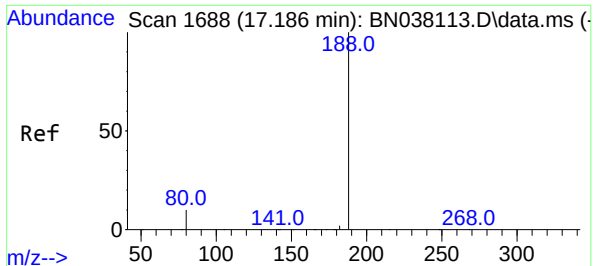
Tgt Ion:154 Resp: 19756
Ion Ratio Lower Upper
154 100
153 114.8 90.0 135.0
152 60.2 47.3 70.9



#18
Fluorene
Concen: 0.382 ng
RT: 15.489 min Scan# 1551
Delta R.T. -0.000 min
Lab File: BN038183.D
Acq: 12 Nov 2025 09:31

Tgt Ion:166 Resp: 26301
Ion Ratio Lower Upper
166 100
165 98.3 79.0 118.4
167 13.3 10.7 16.1





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 17.186 min Scan# 1

Delta R.T. 0.000 min

Lab File: BN038183.D

Acq: 12 Nov 2025 09:31

Instrument :

BNA_N

ClientSampleId :

SSTDCCC0.4

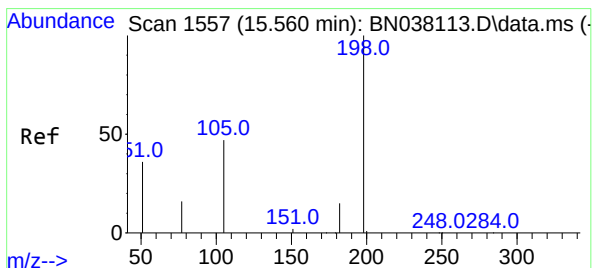
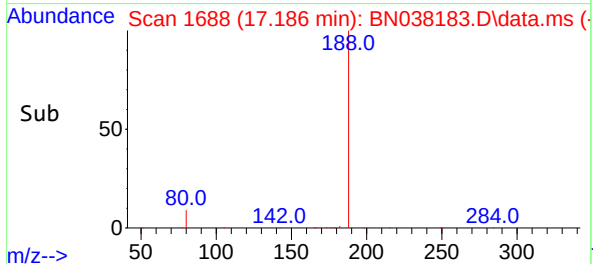
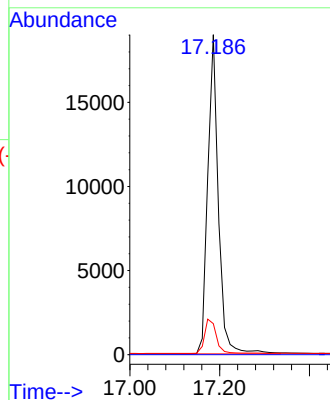
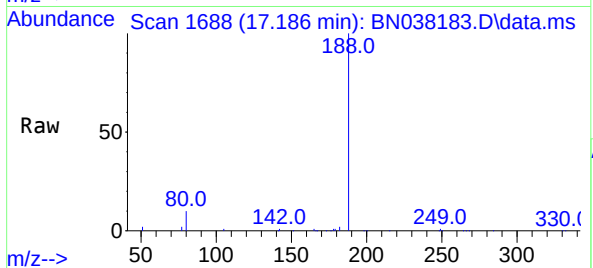
Tgt Ion:188 Resp: 31060

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

80 9.7 8.6 13.0



#20

4,6-Dinitro-2-methylphenol

Concen: 0.331 ng

RT: 15.560 min Scan# 1557

Delta R.T. -0.000 min

Lab File: BN038183.D

Acq: 12 Nov 2025 09:31

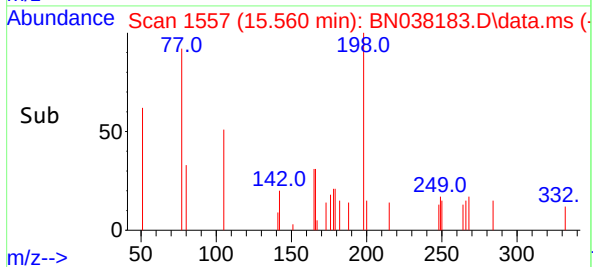
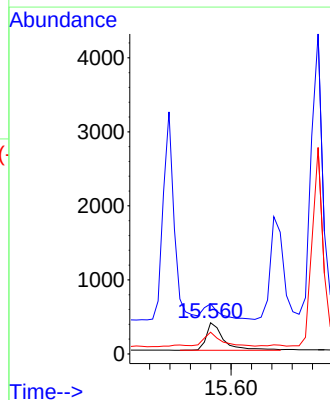
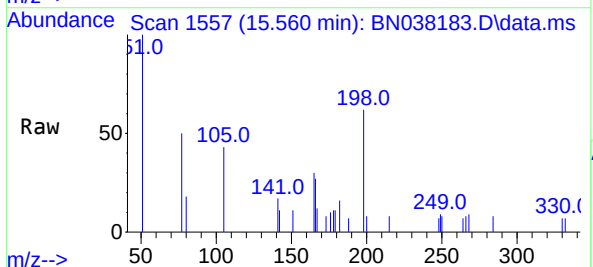
Tgt Ion:198 Resp: 872

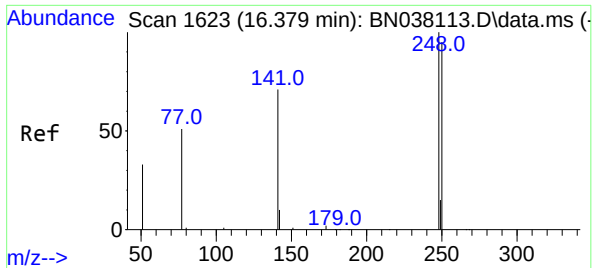
Ion Ratio Lower Upper

198 100

51 160.8 88.9 133.3#

105 69.6 49.2 73.8

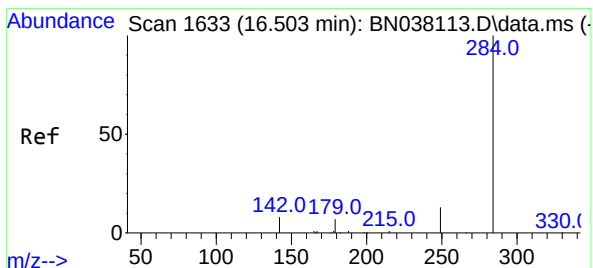
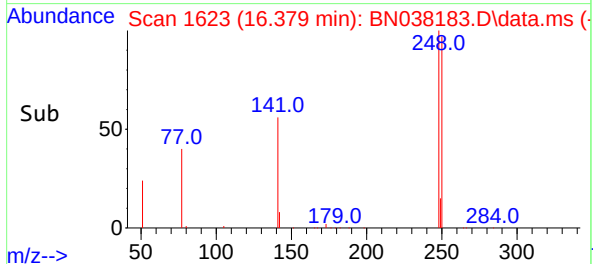
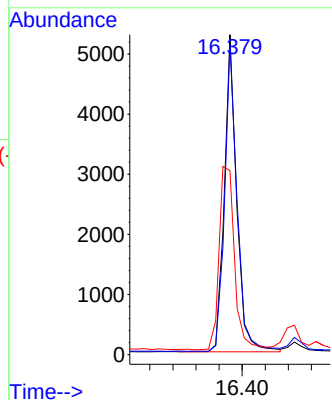
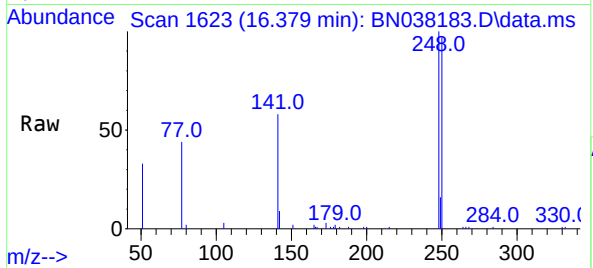




#21
4-Bromophenyl-phenylether
Concen: 0.387 ng
RT: 16.379 min Scan# 1632
Delta R.T. -0.000 min
Lab File: BN038183.D
Acq: 12 Nov 2025 09:31

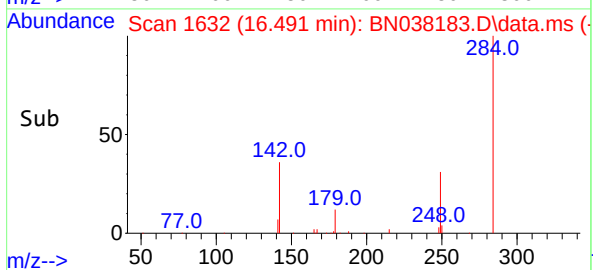
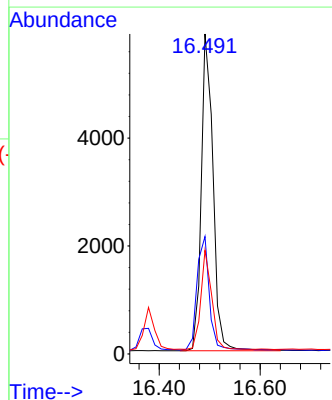
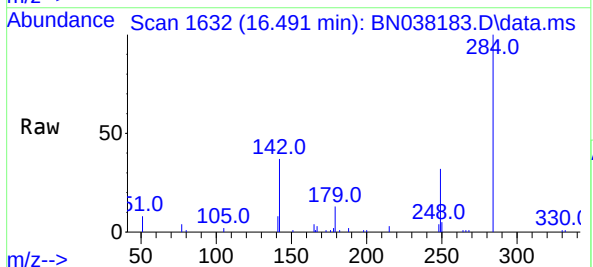
Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

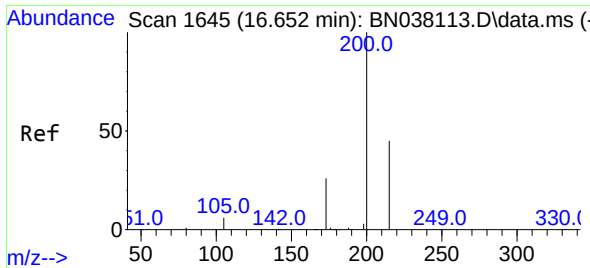
Tgt Ion:248 Resp: 7871
Ion Ratio Lower Upper
248 100
250 97.0 76.2 114.2
141 57.5 57.6 86.4#



#22
Hexachlorobenzene
Concen: 0.410 ng
RT: 16.491 min Scan# 1632
Delta R.T. -0.012 min
Lab File: BN038183.D
Acq: 12 Nov 2025 09:31

Tgt Ion:284 Resp: 9503
Ion Ratio Lower Upper
284 100
142 37.7 30.5 45.7
249 29.1 23.5 35.3

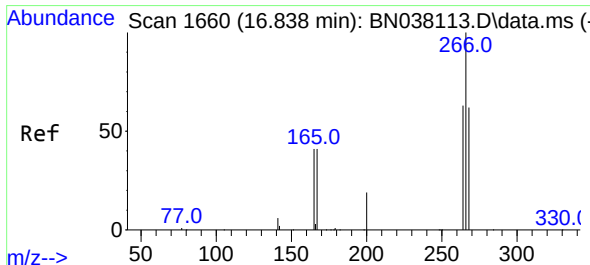
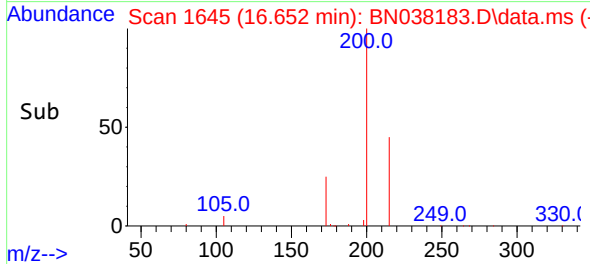
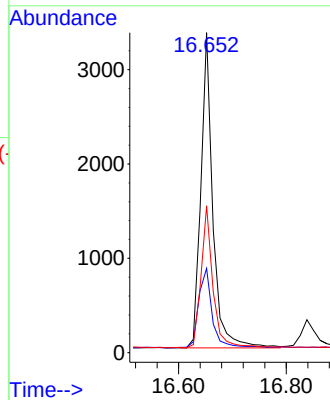
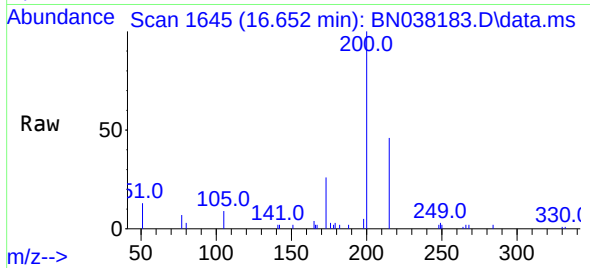




#23
Atrazine
Concen: 0.346 ng
RT: 16.652 min Scan# 1645
Delta R.T. 0.000 min
Lab File: BN038183.D
Acq: 12 Nov 2025 09:31

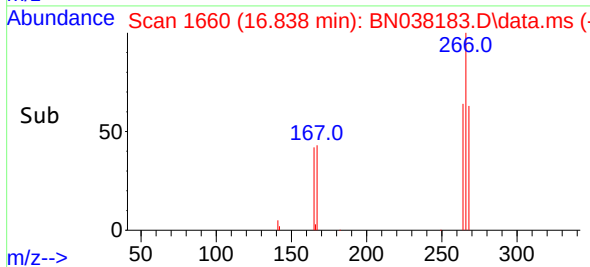
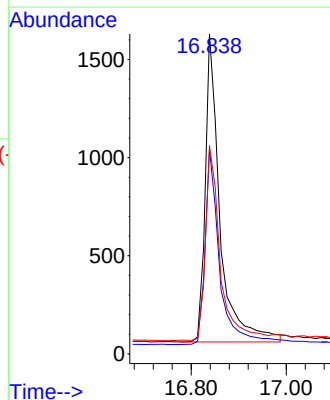
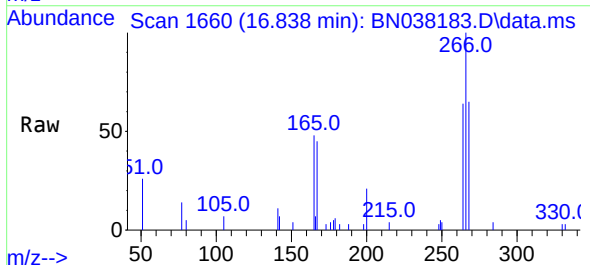
Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

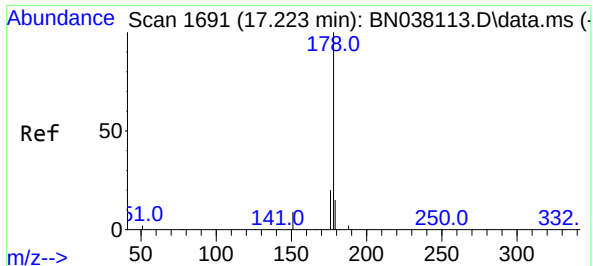
Tgt Ion:200 Resp: 5162
Ion Ratio Lower Upper
200 100
173 26.4 21.4 32.2
215 45.9 36.7 55.1



#24
Pentachlorophenol
Concen: 0.340 ng
RT: 16.838 min Scan# 1660
Delta R.T. 0.000 min
Lab File: BN038183.D
Acq: 12 Nov 2025 09:31

Tgt Ion:266 Resp: 3395
Ion Ratio Lower Upper
266 100
264 63.0 49.3 73.9
268 63.6 50.6 75.8

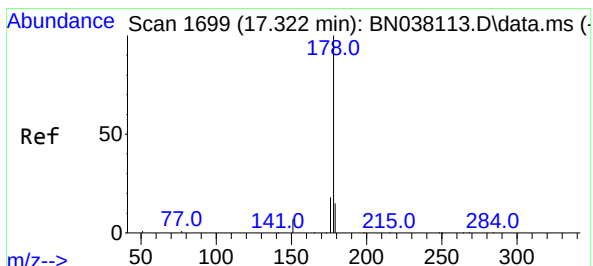
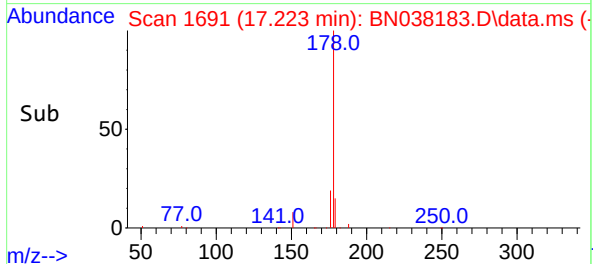
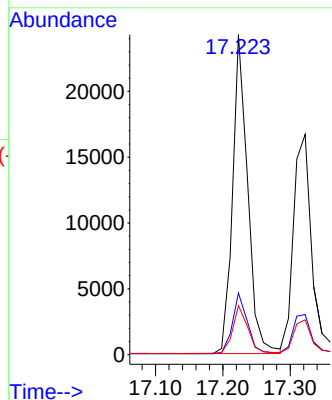
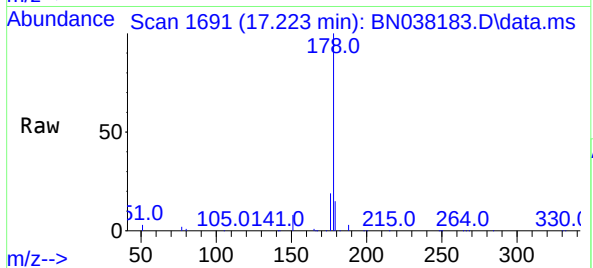




#25
Phenanthrene
Concen: 0.384 ng
RT: 17.223 min Scan# 1691
Delta R.T. 0.000 min
Lab File: BN038183.D
Acq: 12 Nov 2025 09:31

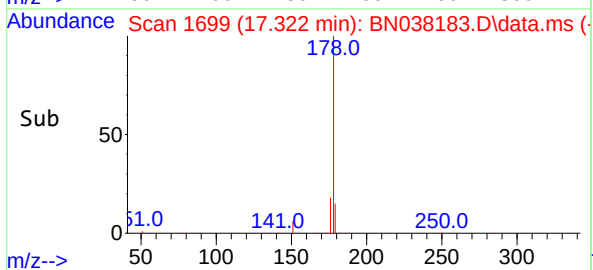
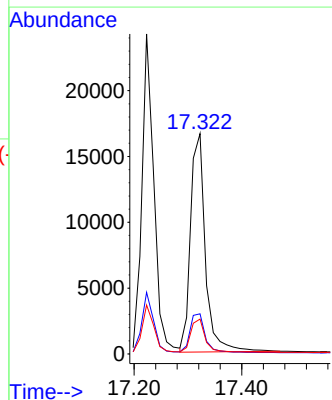
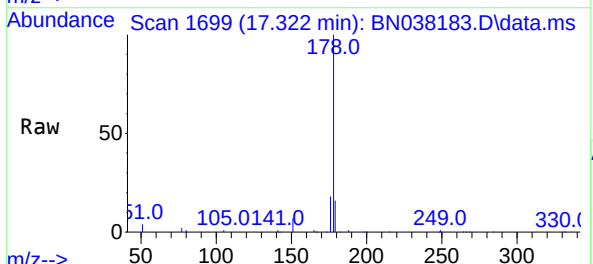
Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

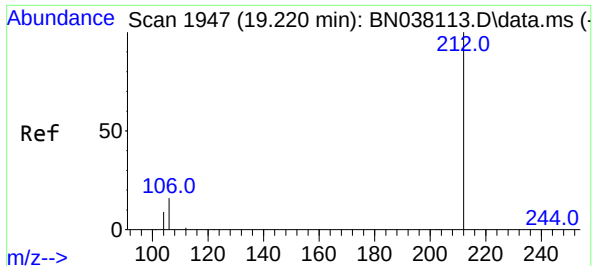
Tgt Ion:178 Resp: 37816
Ion Ratio Lower Upper
178 100
176 19.0 15.5 23.3
179 15.4 12.2 18.4



#26
Anthracene
Concen: 0.370 ng
RT: 17.322 min Scan# 1699
Delta R.T. 0.000 min
Lab File: BN038183.D
Acq: 12 Nov 2025 09:31

Tgt Ion:178 Resp: 31893
Ion Ratio Lower Upper
178 100
176 18.4 14.9 22.3
179 15.1 11.8 17.8





#27

Fluoranthene-d10

Concen: 0.363 ng

RT: 19.220 min Scan# 1947

Delta R.T. -0.000 min

Lab File: BN038183.D

Acq: 12 Nov 2025 09:31

Instrument :

BNA_N

ClientSampleId :

SSTDCCC0.4

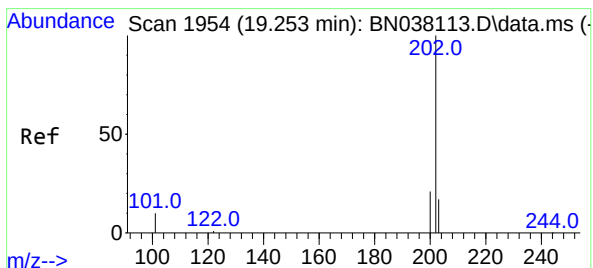
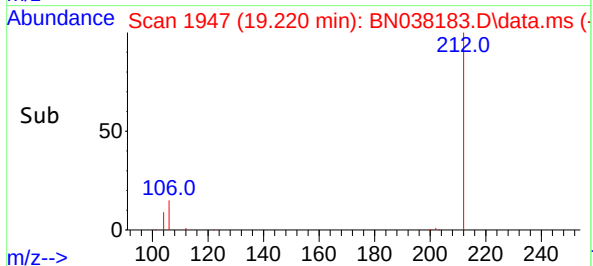
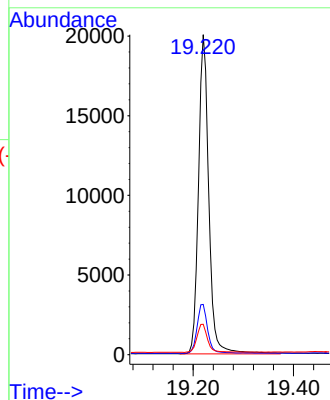
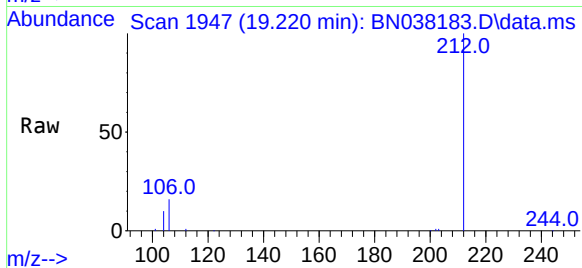
Tgt Ion:212 Resp: 28469

Ion Ratio Lower Upper

212 100

106 15.7 12.6 19.0

104 9.0 7.1 10.7



#28

Fluoranthene

Concen: 0.368 ng

RT: 19.253 min Scan# 1954

Delta R.T. -0.000 min

Lab File: BN038183.D

Acq: 12 Nov 2025 09:31

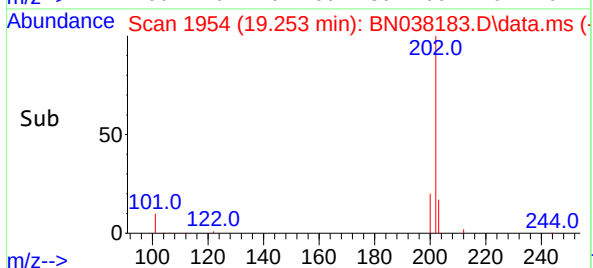
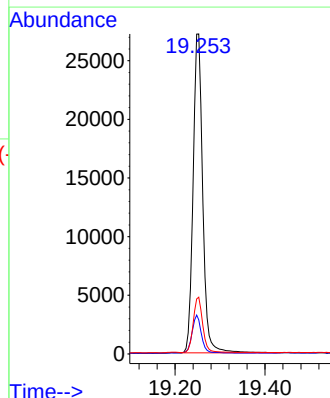
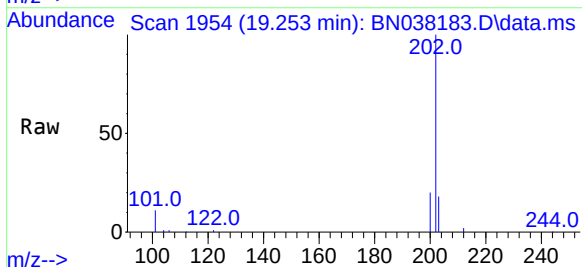
Tgt Ion:202 Resp: 40496

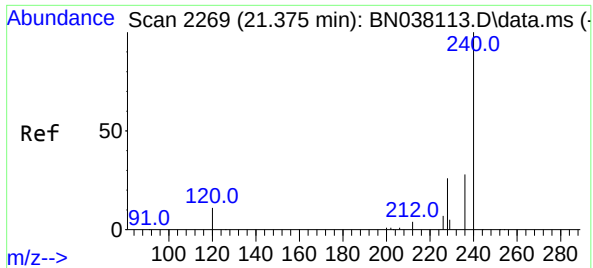
Ion Ratio Lower Upper

202 100

101 11.3 9.4 14.2

203 17.1 13.4 20.2





#29

Chrysene-d12

Concen: 0.400 ng

RT: 21.375 min Scan# 21

Delta R.T. -0.000 min

Lab File: BN038183.D

Acq: 12 Nov 2025 09:31

Instrument :

BNA_N

ClientSampleId :

SSTDCCC0.4

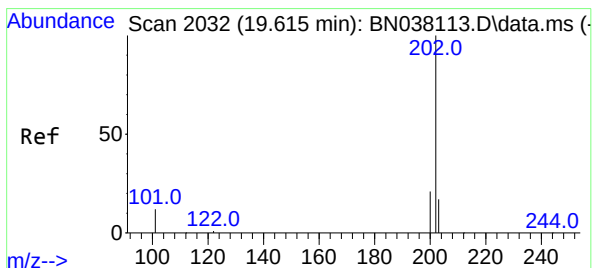
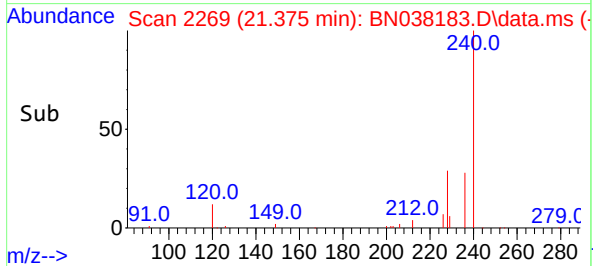
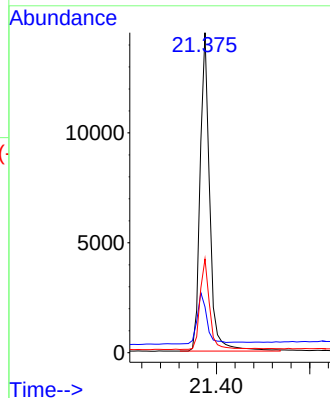
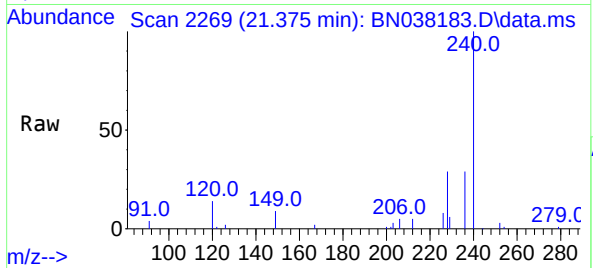
Tgt Ion:240 Resp: 20792

Ion Ratio Lower Upper

240 100

120 14.3 10.7 16.1

236 29.3 23.1 34.7



#30

Pyrene

Concen: 0.430 ng

RT: 19.615 min Scan# 2032

Delta R.T. 0.005 min

Lab File: BN038183.D

Acq: 12 Nov 2025 09:31

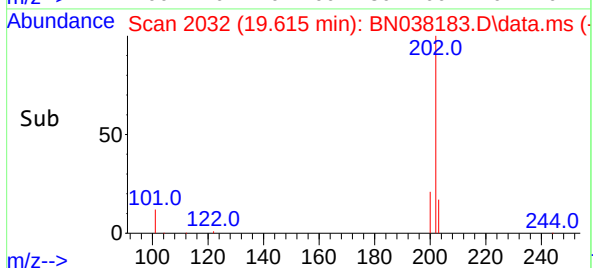
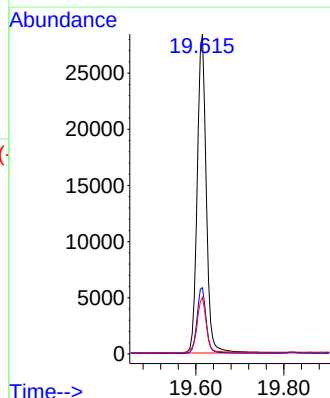
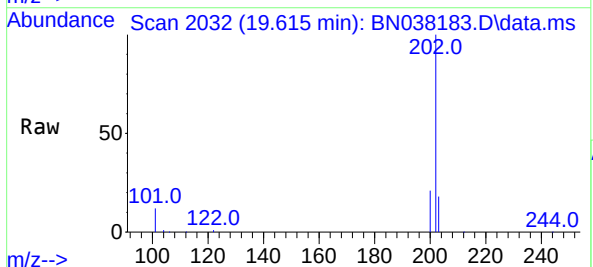
Tgt Ion:202 Resp: 40395

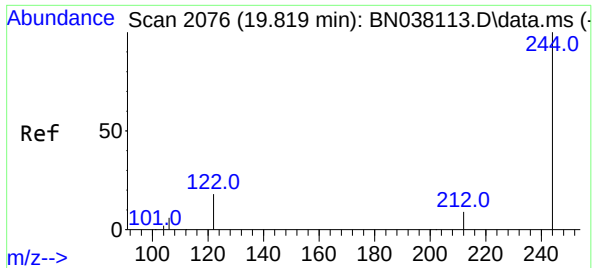
Ion Ratio Lower Upper

202 100

200 20.8 16.7 25.1

203 17.6 14.2 21.2

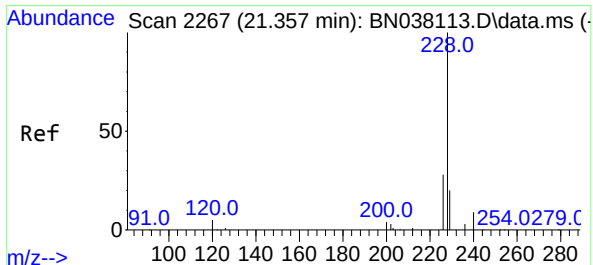
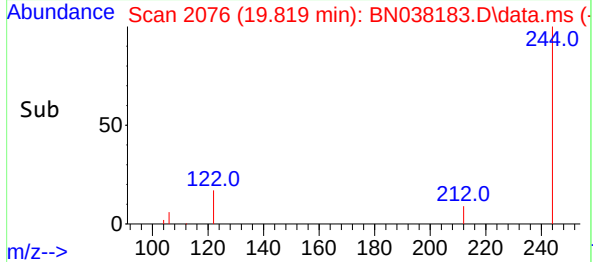
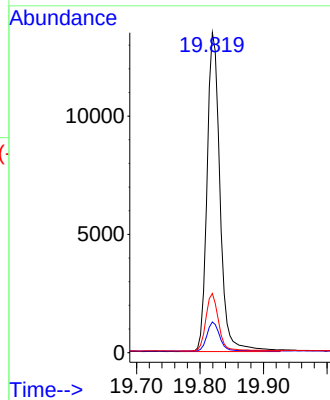
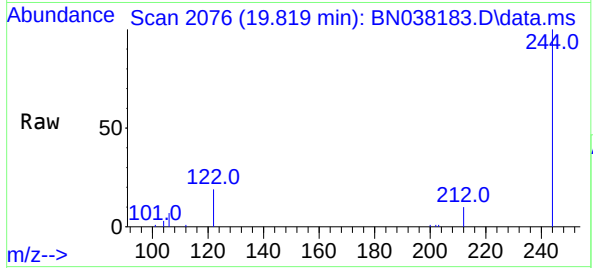




#31
Terphenyl-d14
Concen: 0.423 ng
RT: 19.819 min Scan# 2076
Delta R.T. 0.000 min
Lab File: BN038183.D
Acq: 12 Nov 2025 09:31

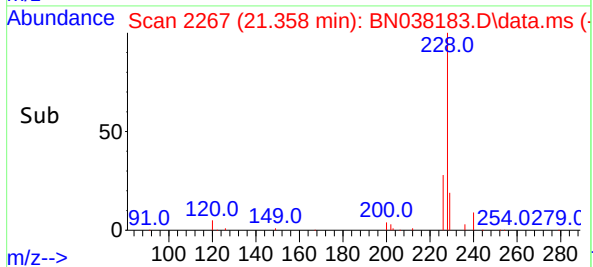
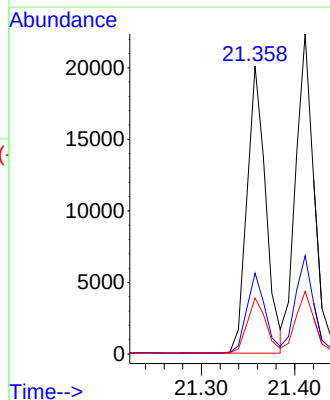
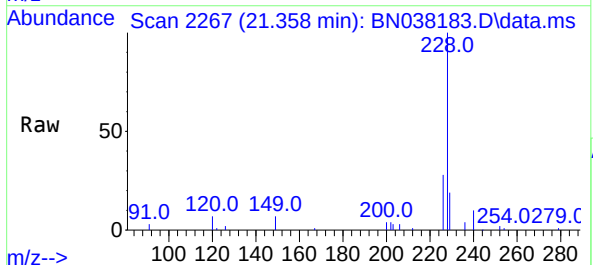
Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

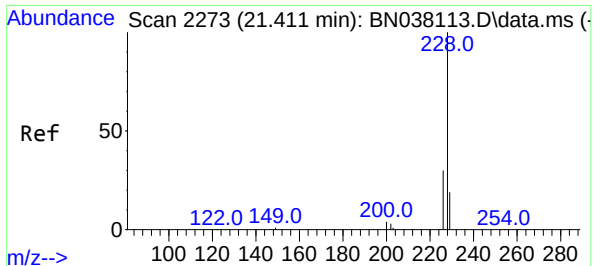
Tgt Ion:244 Resp: 19106
Ion Ratio Lower Upper
244 100
212 9.6 7.8 11.6
122 18.5 15.2 22.8



#32
Benzo(a)anthracene
Concen: 0.377 ng
RT: 21.358 min Scan# 2267
Delta R.T. 0.000 min
Lab File: BN038183.D
Acq: 12 Nov 2025 09:31

Tgt Ion:228 Resp: 27991
Ion Ratio Lower Upper
228 100
226 28.1 22.2 33.4
229 19.4 15.8 23.8

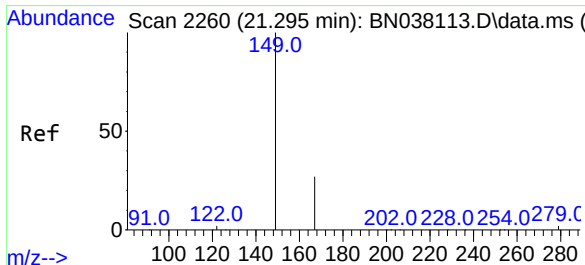
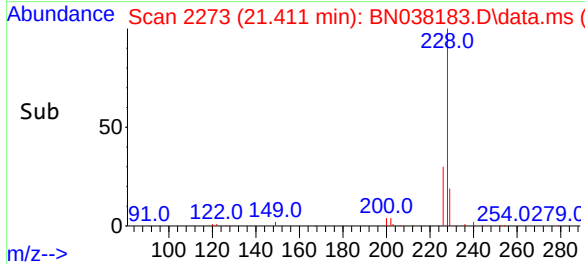
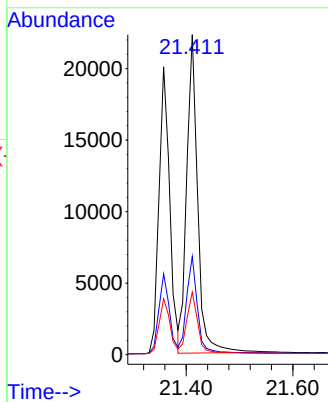
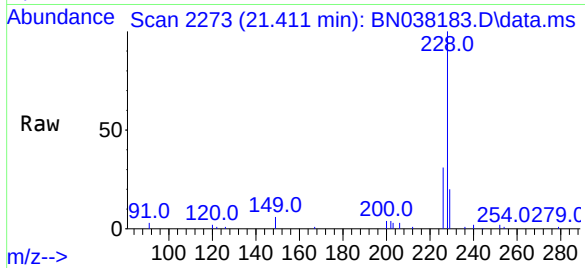




#33
Chrysene
Concen: 0.395 ng
RT: 21.411 min Scan# 21
Delta R.T. 0.000 min
Lab File: BN038183.D
Acq: 12 Nov 2025 09:31

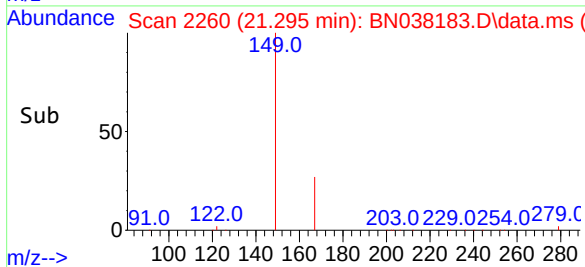
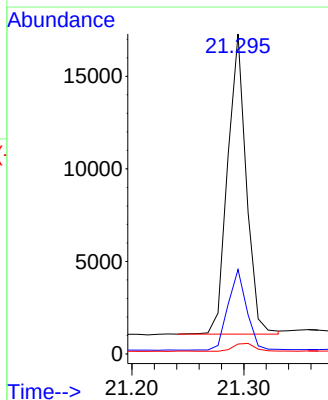
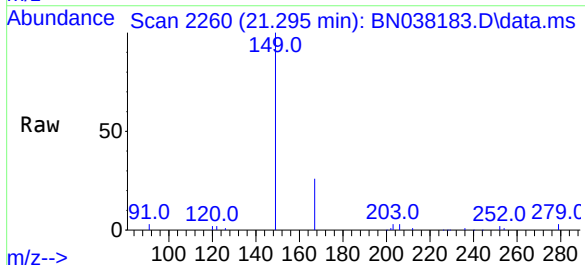
Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

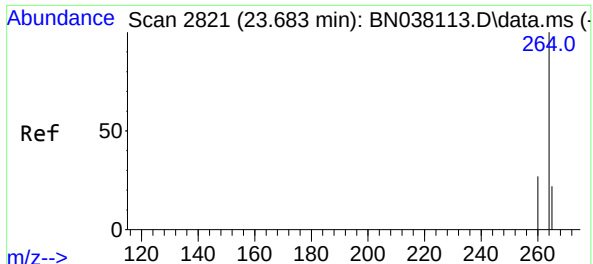
Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.7	24.3	36.5
229	19.5	15.7	23.5



#34
Bis(2-ethylhexyl)phthalate
Concen: 0.480 ng
RT: 21.295 min Scan# 2260
Delta R.T. 0.000 min
Lab File: BN038183.D
Acq: 12 Nov 2025 09:31

Tgt Ion	Ratio	Lower	Upper
149	100		
167	26.9	21.1	31.7
279	3.0	2.9	4.3

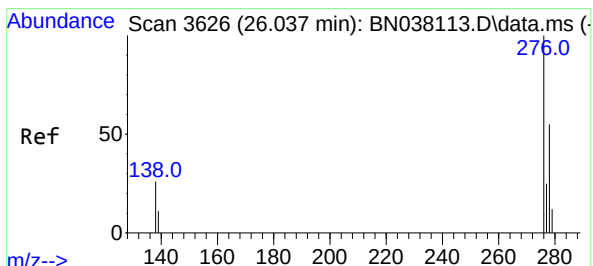
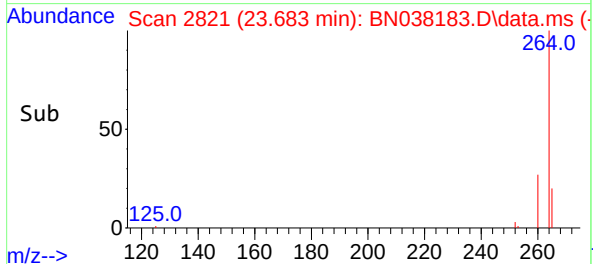
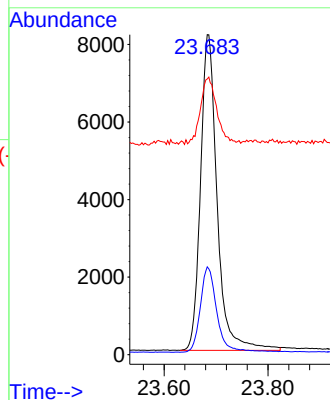
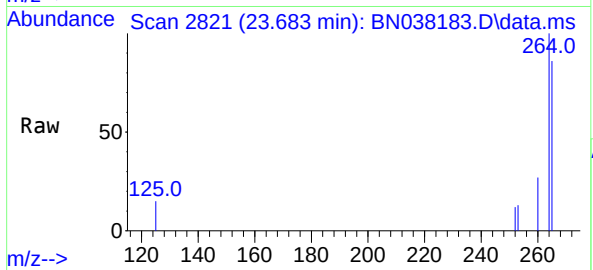




#35
Perylene-d12
Concen: 0.400 ng
RT: 23.683 min Scan# 2821
Delta R.T. 0.003 min
Lab File: BN038183.D
Acq: 12 Nov 2025 09:31

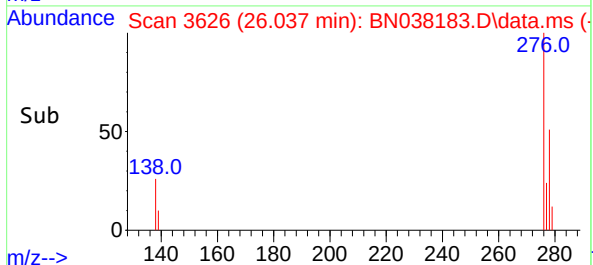
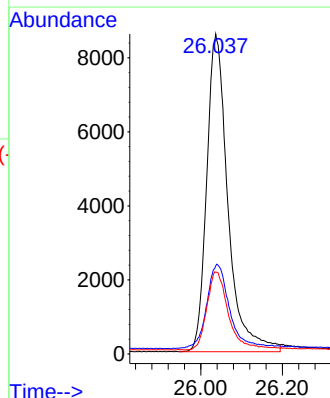
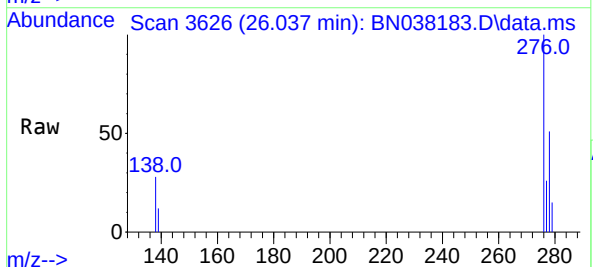
Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

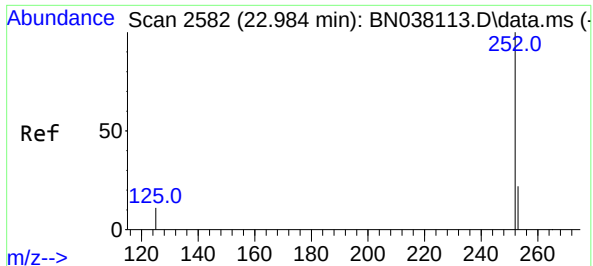
Tgt Ion:264 Resp: 18070
Ion Ratio Lower Upper
264 100
260 27.5 21.8 32.8
265 86.2 68.6 102.8



#36
Indeno(1,2,3-cd)pyrene
Concen: 0.418 ng
RT: 26.037 min Scan# 3626
Delta R.T. 0.003 min
Lab File: BN038183.D
Acq: 12 Nov 2025 09:31

Tgt Ion:276 Resp: 31003
Ion Ratio Lower Upper
276 100
138 28.3 21.4 32.0
277 24.6 19.2 28.8





#37

Benzo(b)fluoranthene

Concen: 0.370 ng

RT: 22.987 min Scan# 2582

Delta R.T. 0.006 min

Lab File: BN038183.D

Acq: 12 Nov 2025 09:31

Instrument :

BNA_N

ClientSampleId :

SSTDCCC0.4

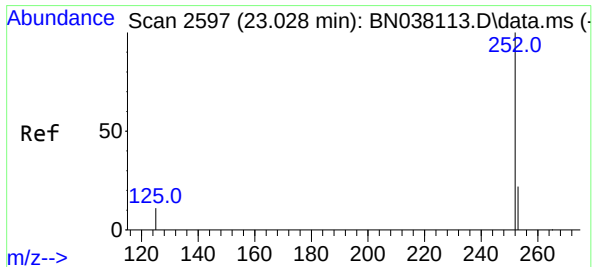
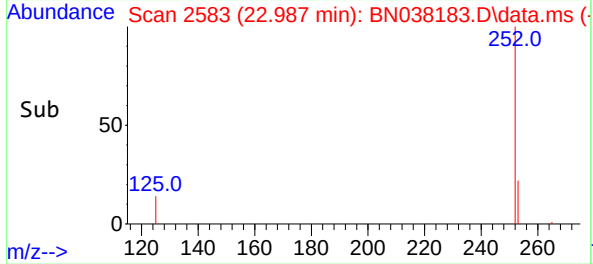
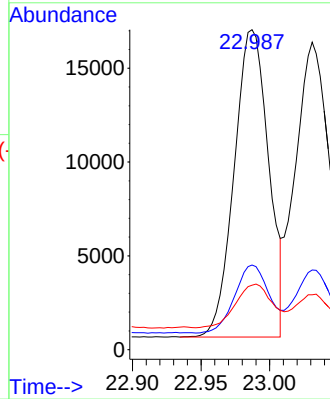
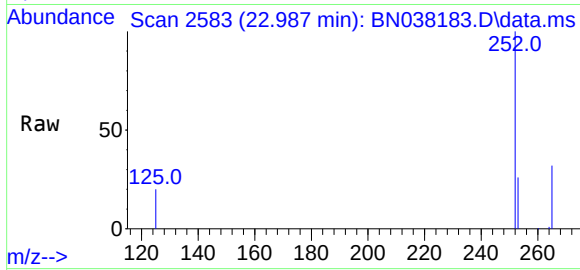
Tgt Ion:252 Resp: 28559

Ion Ratio Lower Upper

252 100

253 26.4 20.9 31.3

125 20.1 14.1 21.1



#38

Benzo(k)fluoranthene

Concen: 0.375 ng

RT: 23.031 min Scan# 2598

Delta R.T. 0.003 min

Lab File: BN038183.D

Acq: 12 Nov 2025 09:31

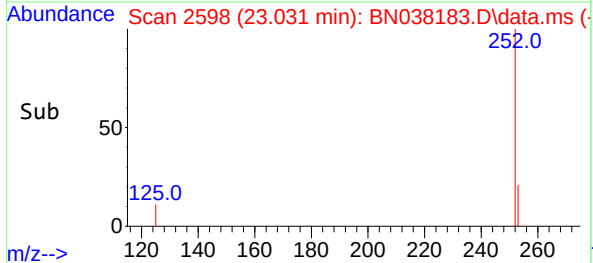
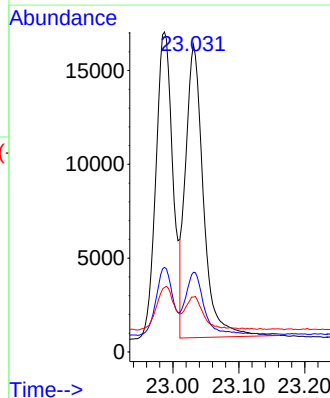
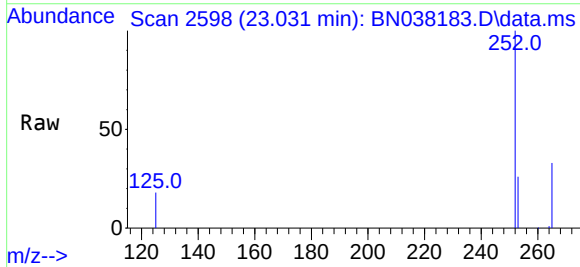
Tgt Ion:252 Resp: 29142

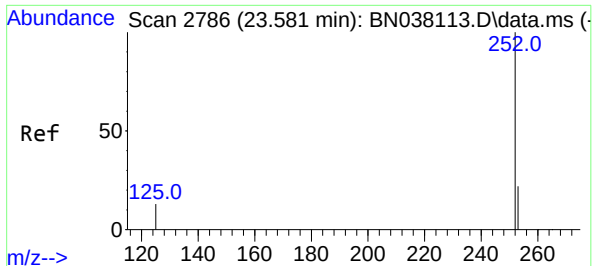
Ion Ratio Lower Upper

252 100

253 25.9 21.2 31.8

125 17.9 14.6 22.0





#39

Benzo(a)pyrene

Concen: 0.391 ng

RT: 23.584 min Scan# 21

Delta R.T. 0.006 min

Lab File: BN038183.D

Acq: 12 Nov 2025 09:31

Instrument :

BNA_N

ClientSampleId :

SSTDCCC0.4

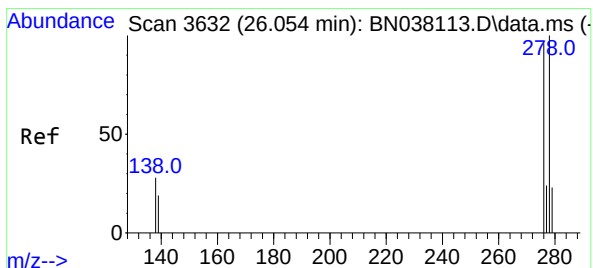
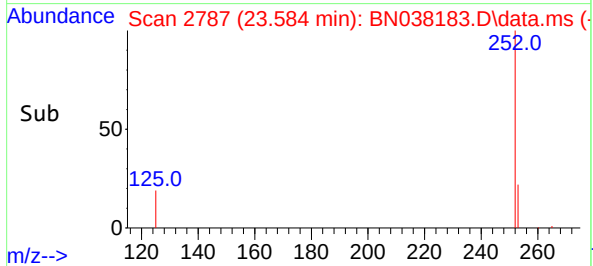
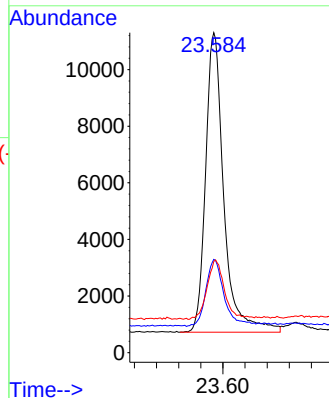
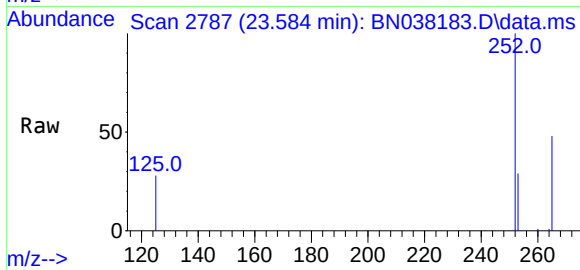
Tgt Ion:252 Resp: 24209

Ion Ratio Lower Upper

252 100

253 29.1 23.1 34.7

125 28.5 18.6 28.0#



#40

Dibenzo(a,h)anthracene

Concen: 0.416 ng

RT: 26.057 min Scan# 3633

Delta R.T. 0.009 min

Lab File: BN038183.D

Acq: 12 Nov 2025 09:31

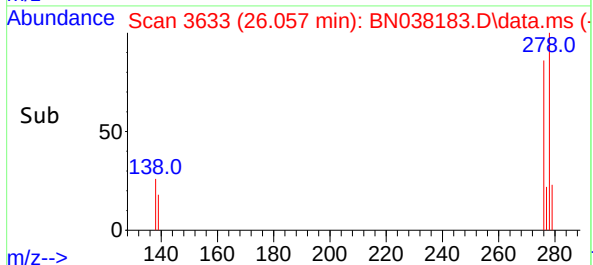
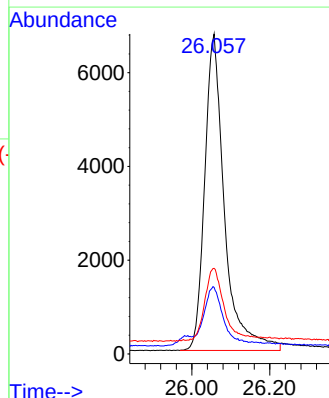
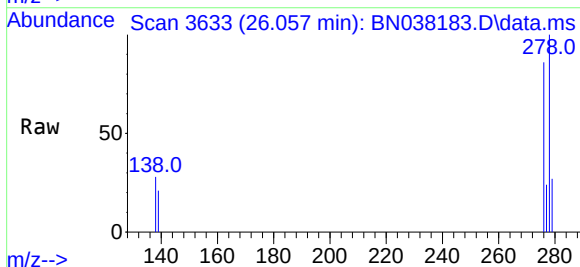
Tgt Ion:278 Resp: 23782

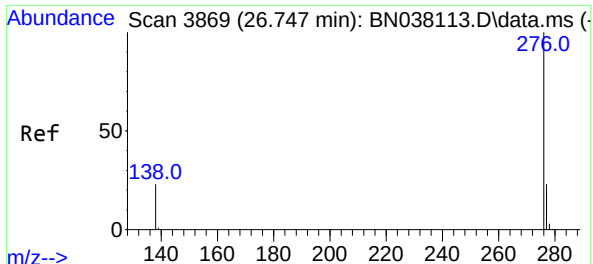
Ion Ratio Lower Upper

278 100

139 20.8 17.6 26.4

279 26.8 22.6 33.8





#41

Benzo(g,h,i)perylene

Concen: 0.421 ng

RT: 26.753 min Scan# 3871

Delta R.T. 0.003 min

Lab File: BN038183.D

Acq: 12 Nov 2025 09:31

Instrument :

BNA_N

ClientSampleId :

SSTDCCC0.4

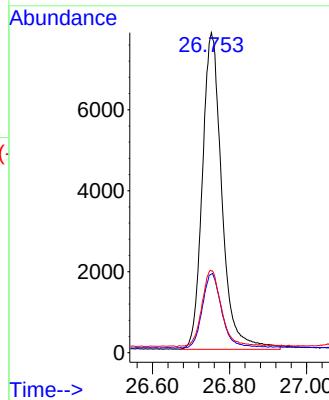
Tgt Ion:276 Resp: 27438

Ion Ratio Lower Upper

276 100

277 24.6 19.7 29.5

138 25.5 20.2 30.4



Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN111225\
 Data File : BN038183.D
 Acq On : 12 Nov 2025 09:31
 Operator : RC/JU
 Sample : SSTDCCC0.4
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_N
 LabSampleId :
 SSTDCCC0.4

Quant Time: Nov 12 09:55:14 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN102825.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Oct 29 13:09:46 2025
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1 I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	101	0.00
2	1,4-Dioxane	0.413	0.395	4.4	94	0.00
3	n-Nitrosodimethylamine	0.532	0.520	2.3	98	0.00
4 S	2-Fluorophenol	0.942	0.939	0.3	100	0.00
5 S	Phenol-d6	1.148	1.155	-0.6	103	0.00
6	bis(2-Chloroethyl)ether	1.128	1.110	1.6	100	0.00
7 I	Naphthalene-d8	1.000	1.000	0.0	105	0.00
8 S	Nitrobenzene-d5	0.323	0.321	0.6	107	-0.01
9	Naphthalene	1.102	1.088	1.3	106	0.00
10	Hexachlorobutadiene	0.186	0.187	-0.5	105	-0.01
11 SURR	2-Methylnaphthalene-d10	0.571	0.558	2.3	106	0.00
12	2-Methylnaphthalene	0.735	0.720	2.0	107	0.00
13 I	Acenaphthene-d10	1.000	1.000	0.0	107	0.00
14 S	2,4,6-Tribromophenol	0.165	0.138	16.4	99	0.00
15 S	2-Fluorobiphenyl	1.602	1.475	7.9	100	0.00
16	Acenaphthylene	1.811	1.708	5.7	107	0.00
17	Acenaphthene	1.267	1.190	6.1	105	0.00
18	Fluorene	1.661	1.584	4.6	106	0.00
19 I	Phenanthrene-d10	1.000	1.000	0.0	105	0.00
20	4,6-Dinitro-2-methylphenol	0.055	0.028	49.1#	66	0.00
21	4-Bromophenyl-phenylether	0.262	0.253	3.4	107	0.00
22	Hexachlorobenzene	0.298	0.306	-2.7	108	-0.01
23	Atrazine	0.192	0.166	13.5	100	0.00
24	Pentachlorophenol	0.128	0.109	14.8	107	0.00
25	Phenanthrene	1.270	1.218	4.1	105	0.00
26	Anthracene	1.111	1.027	7.6	103	0.00
27 SURR	Fluoranthene-d10	1.009	0.917	9.1	101	0.00
28	Fluoranthene	1.419	1.304	8.1	102	0.00
29 I	Chrysene-d12	1.000	1.000	0.0	97	0.00
30	Pyrene	1.806	1.943	-7.6	102	0.00
31 S	Terphenyl-d14	0.869	0.919	-5.8	102	0.00
32	Benzo(a)anthracene	1.427	1.346	5.7	96	0.00
33	Chrysene	1.549	1.531	1.2	96	0.00
34	Bis(2-ethylhexyl)phthalate	0.752	0.902	-19.9	121	0.00
35 I	Perylene-d12	1.000	1.000	0.0	101	0.00
36	Indeno(1,2,3-cd)pyrene	1.643	1.716	-4.4	108	0.00
37	Benzo(b)fluoranthene	1.710	1.580	7.6	98	0.00
38	Benzo(k)fluoranthene	1.721	1.613	6.3	100	0.00
39 C	Benzo(a)pyrene	1.369	1.340	2.1	102	0.00
40	Dibenzo(a,h)anthracene	1.265	1.316	-4.0	111	0.00
41	Benzo(g,h,i)perylene	1.444	1.518	-5.1	107	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\BN111225\
 Data File : BN038183.D
 Acq On : 12 Nov 2025 09:31
 Operator : RC/JU
 Sample : SSTDCCC0.4
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_N
 LabSampleId :
 SSTDCCC0.4

Quant Time: Nov 12 09:55:14 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN102825.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Oct 29 13:09:46 2025
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1 I	1,4-Dichlorobenzene-d4	0.400	0.400	0.0	101	0.00
2	1,4-Dioxane	0.400	0.382	4.5	94	0.00
3	n-Nitrosodimethylamine	0.400	0.391	2.3	98	0.00
4 S	2-Fluorophenol	0.400	0.399	0.3	100	0.00
5 S	Phenol-d6	0.400	0.403	-0.8	103	0.00
6	bis(2-Chloroethyl)ether	0.400	0.394	1.5	100	0.00
7 I	Naphthalene-d8	0.400	0.400	0.0	105	0.00
8 S	Nitrobenzene-d5	0.400	0.397	0.8	107	-0.01
9	Naphthalene	0.400	0.395	1.3	106	0.00
10	Hexachlorobutadiene	0.400	0.403	-0.8	105	-0.01
11 SURR	2-Methylnaphthalene-d10	0.400	0.391	2.3	106	0.00
12	2-Methylnaphthalene	0.400	0.392	2.0	107	0.00
13 I	Acenaphthene-d10	0.400	0.400	0.0	107	0.00
14 S	2,4,6-Tribromophenol	0.400	0.334	16.5	99	0.00
15 S	2-Fluorobiphenyl	0.400	0.368	8.0	100	0.00
16	Acenaphthylene	0.400	0.377	5.8	107	0.00
17	Acenaphthene	0.400	0.376	6.0	105	0.00
18	Fluorene	0.400	0.382	4.5	106	0.00
19 I	Phenanthrene-d10	0.400	0.400	0.0	105	0.00
20	4,6-Dinitro-2-methylphenol	0.400	0.331	17.3	66	0.00
21	4-Bromophenyl-phenylether	0.400	0.387	3.3	107	0.00
22	Hexachlorobenzene	0.400	0.410	-2.5	108	-0.01
23	Atrazine	0.400	0.346	13.5	100	0.00
24	Pentachlorophenol	0.400	0.340	15.0	107	0.00
25	Phenanthrene	0.400	0.384	4.0	105	0.00
26	Anthracene	0.400	0.370	7.5	103	0.00
27 SURR	Fluoranthene-d10	0.400	0.363	9.3	101	0.00
28	Fluoranthene	0.400	0.368	8.0	102	0.00
29 I	Chrysene-d12	0.400	0.400	0.0	97	0.00
30	Pyrene	0.400	0.430	-7.5	102	0.00
31 S	Terphenyl-d14	0.400	0.423	-5.7	102	0.00
32	Benzo(a)anthracene	0.400	0.377	5.8	96	0.00
33	Chrysene	0.400	0.395	1.3	96	0.00
34	Bis(2-ethylhexyl)phthalate	0.400	0.480	-20.0	121	0.00
35 I	Perylene-d12	0.400	0.400	0.0	101	0.00
36	Indeno(1,2,3-cd)pyrene	0.400	0.418	-4.5	108	0.00
37	Benzo(b)fluoranthene	0.400	0.370	7.5	98	0.00
38	Benzo(k)fluoranthene	0.400	0.375	6.3	100	0.00
39 C	Benzo(a)pyrene	0.400	0.391	2.3	102	0.00
40	Dibenzo(a,h)anthracene	0.400	0.416	-4.0	111	0.00
41	Benzo(g,h,i)perylene	0.400	0.421	-5.2	107	0.00

(#) = Out of Range

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

Instrument :

BNA_N

LabSampleId :

SSTDCCC0.4



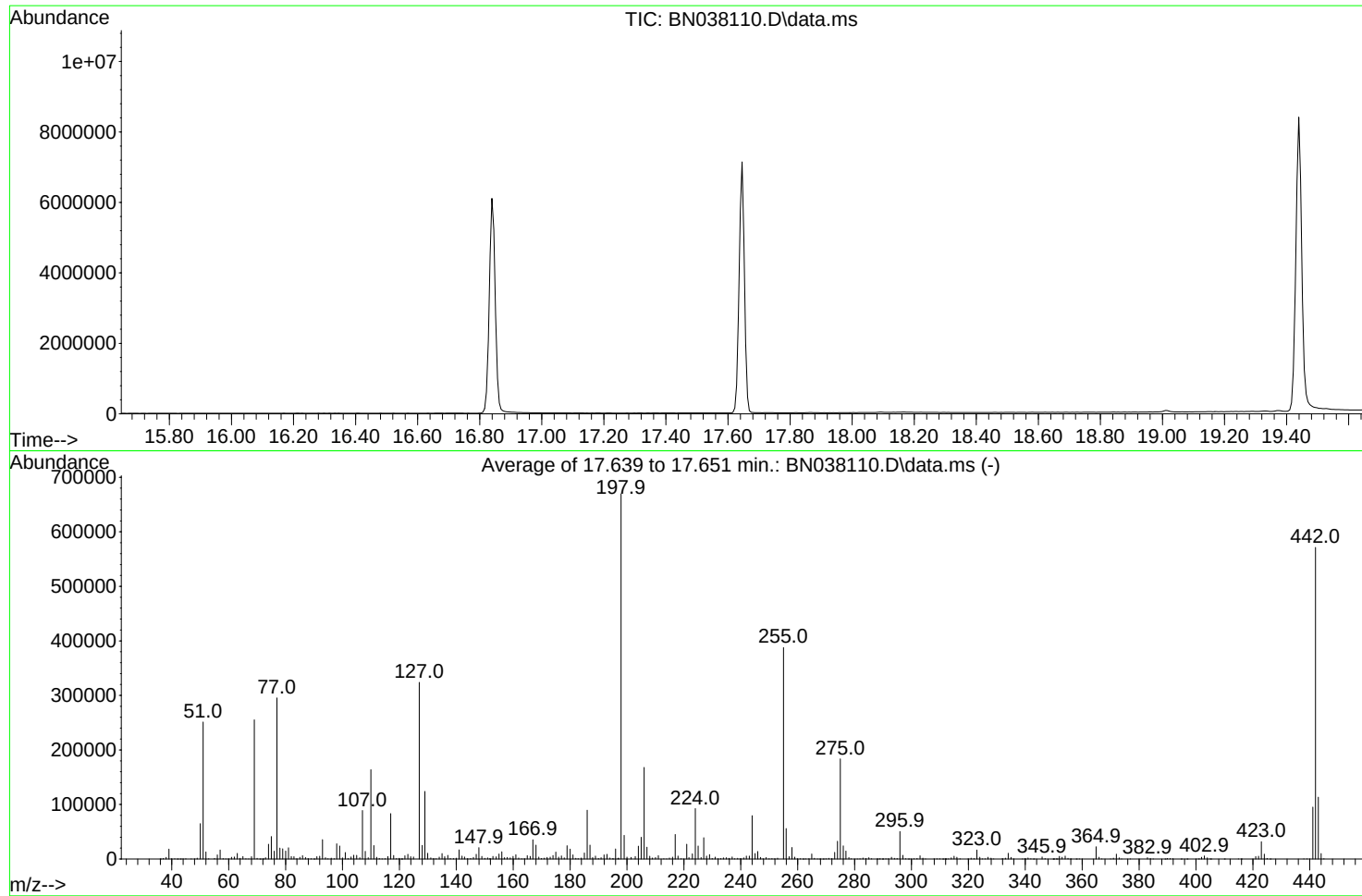
QC SAMPLE DATA

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN102825\
Data File : BN038110.D
Acq On : 28 Oct 2025 12:05
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
DFTPP

Integration File: rteint.p

Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN102825.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Wed Oct 29 13:09:46 2025



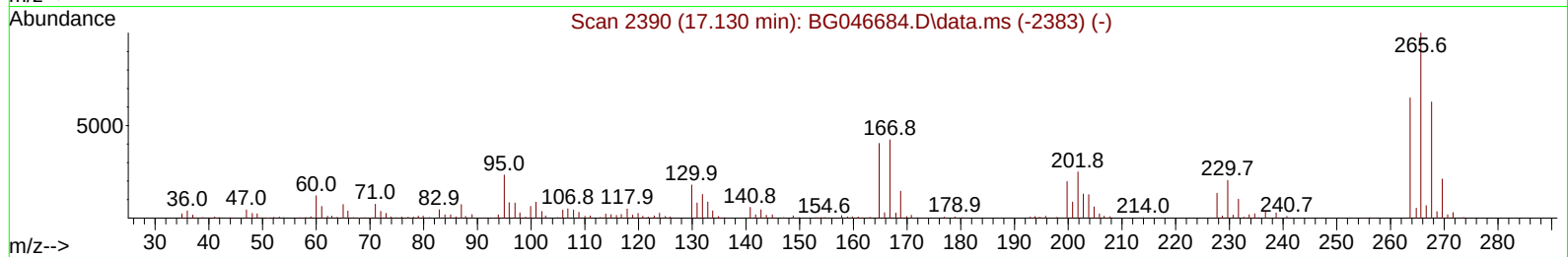
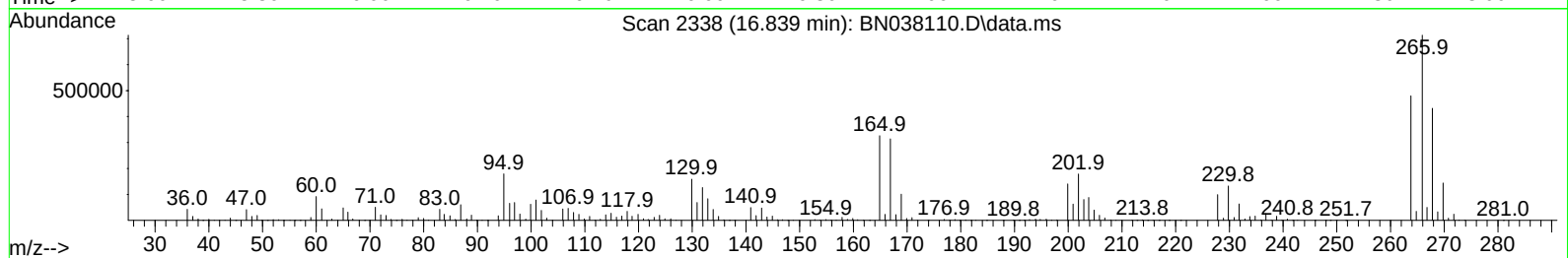
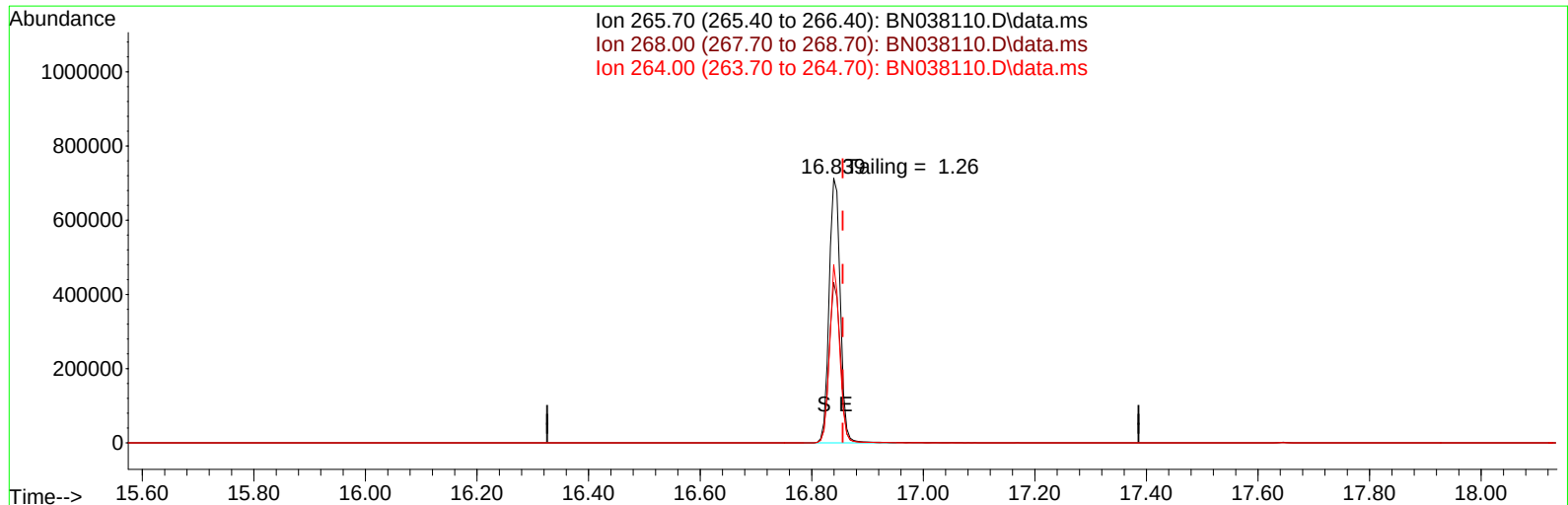
AutoFind: Scans 2474, 2475, 2476; Background Corrected with Scan 2467

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
68	69	0.00	2	1.8	4477	PASS
69	69	100	100	100.0	255398	PASS
70	69	0.00	2	0.5	1371	PASS
197	198	0.00	2	0.2	1550	PASS
198	198	100	100	100.0	669440	PASS
199	198	5	9	6.5	43461	PASS
365	198	1	100	3.4	22528	PASS
441	443	0.01	150	83.9	95293	PASS
442	442	100	100	100.0	571285	PASS
443	442	15	24	19.9	113539	PASS

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN102825\
Data File : BN038110.D
Acq On : 28 Oct 2025 12:05
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
DFTPP

Quant Time: Oct 28 18:06:35 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270E-Tune.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Oct 28 12:54:48 2025
Response via : Initial Calibration



TIC: BN038110.D\data.ms

(70) Pentachlorophenol (C)

16.839min (-0.017) 31764.46 ng

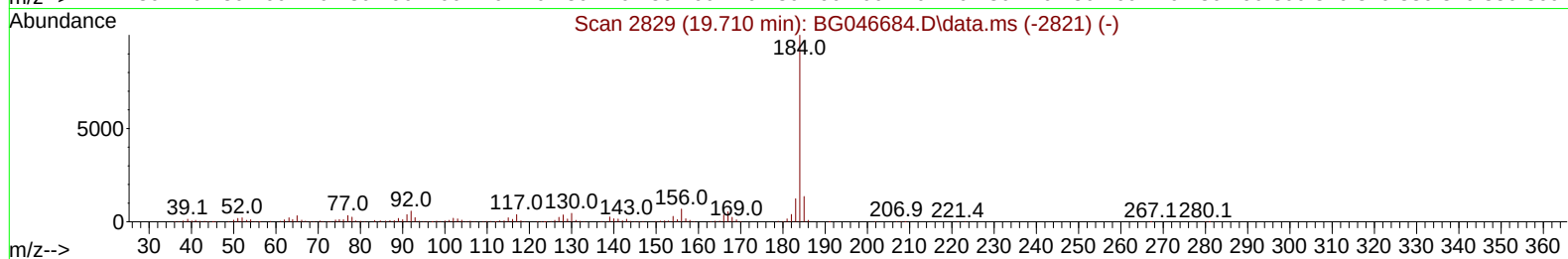
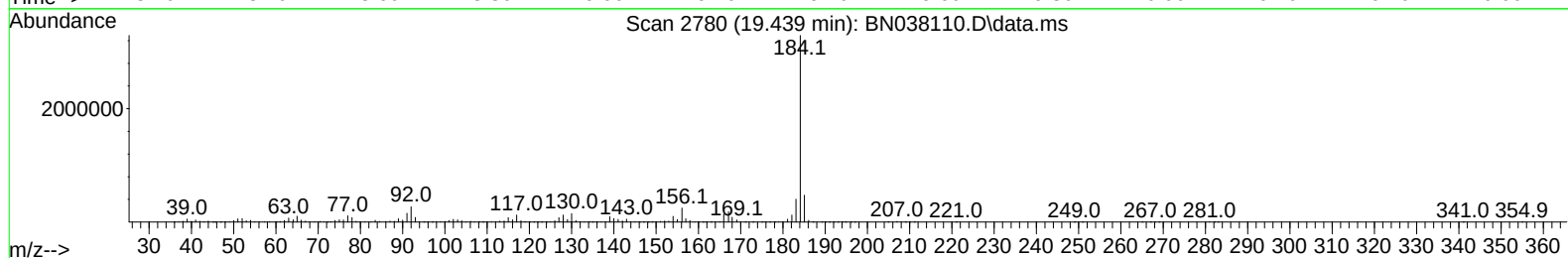
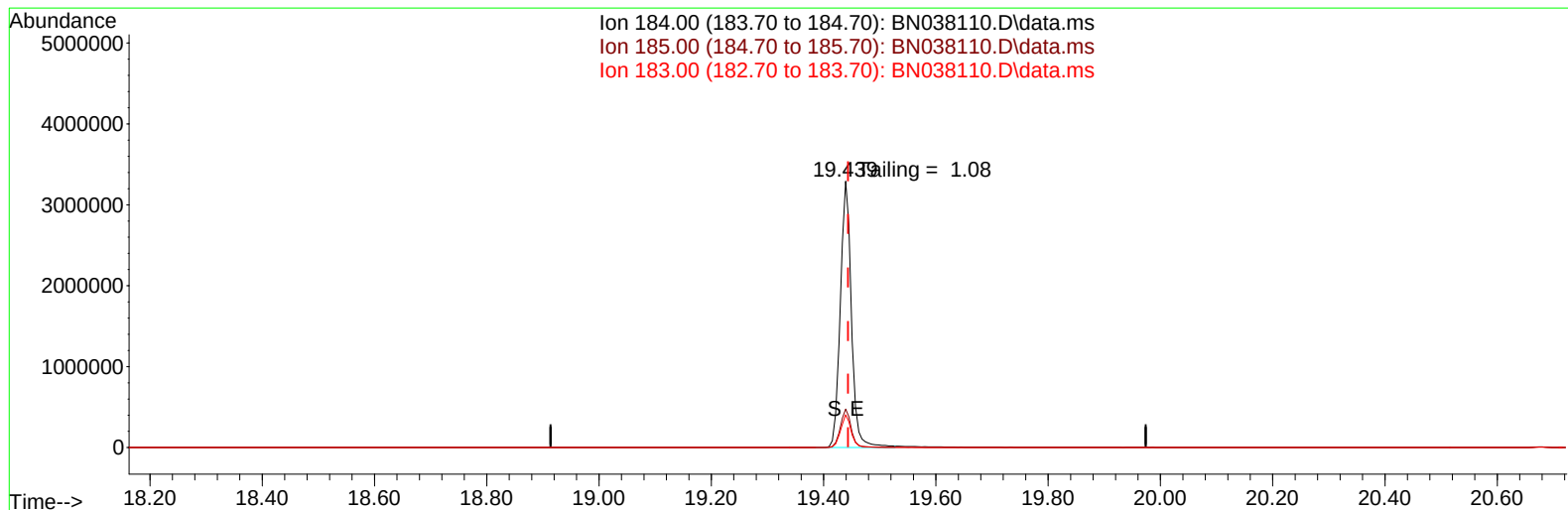
response 993628

Ion	Exp%	Act%
265.70	100.00	100.00
268.00	62.20	60.51
264.00	61.60	67.24
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN102825\
Data File : BN038110.D
Acq On : 28 Oct 2025 12:05
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
DFTPP

Quant Time: Oct 28 18:06:35 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270E-Tune.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Oct 28 12:54:48 2025
Response via : Initial Calibration



TIC: BN038110.D\data.ms

(77) Benzidine

19.439min (-0.005) 0.00 ng

response 4602519

Ion	Exp%	Act%
184.00	100.00	100.00
185.00	15.50	14.42
183.00	13.20	12.28
0.00	0.00	0.00

DDT Breakdown

Date	Instrument Name	DFTPP Data File
10/28/2025	BNA_N	<u>BN038110.D</u>
Compound Name	Response	Retention Time
DDT	2477320	20.674
DDD	29265	20.233
DDE	1740	19.733
SUM(DDD+DDE)	SUM(DDT+DDD+DDE)	% Breakdown Of DDT
31005	2508325	1.24

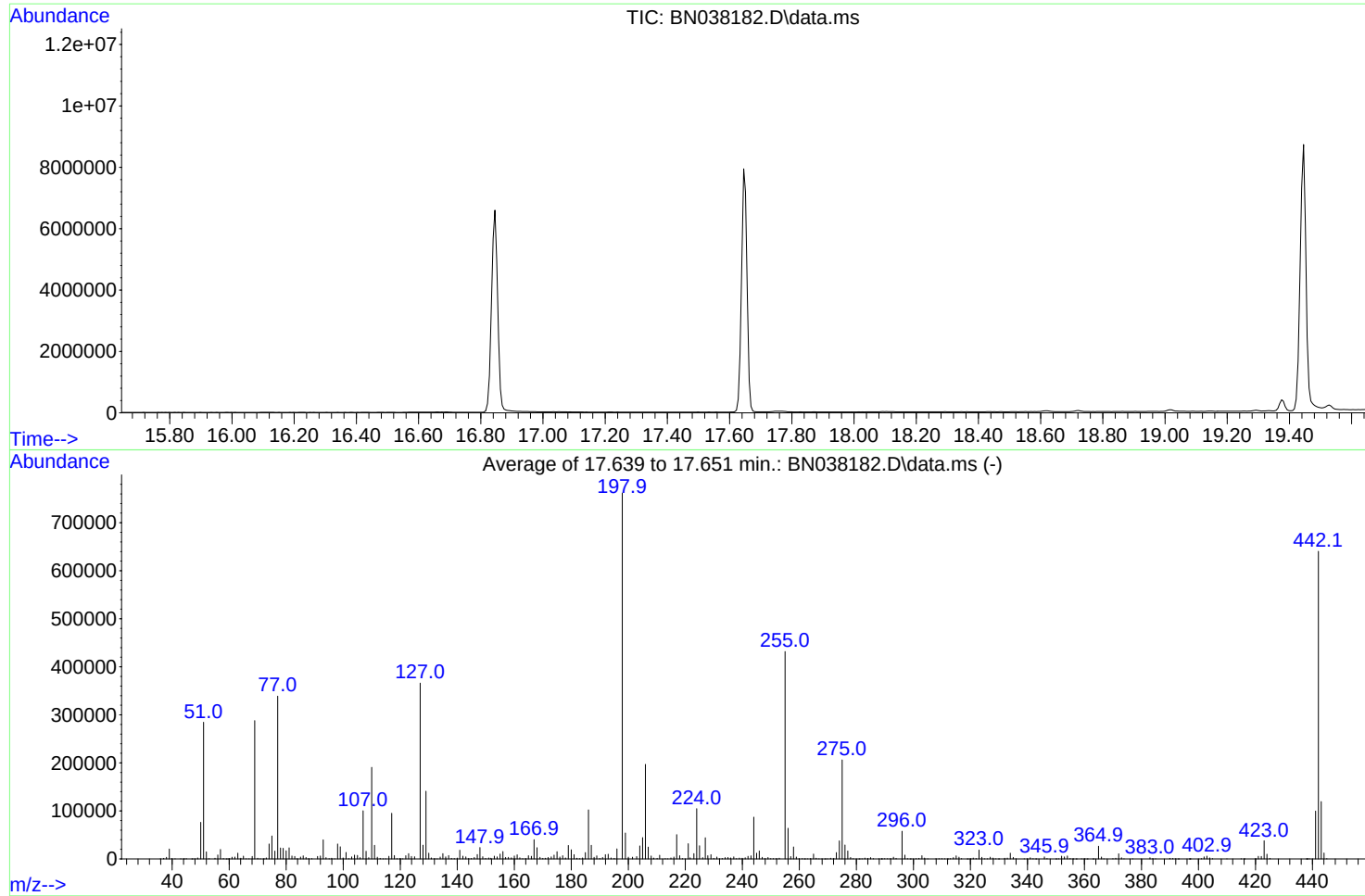
Instrument :
BNA_N
ClientSampleId :
DFTPP

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN111225\
Data File : BN038182.D
Acq On : 12 Nov 2025 08:52
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
DFTPP

Integration File: rteint.p

Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN102825.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Wed Oct 29 13:09:46 2025



AutoFind: Scans 2474, 2475, 2476; Background Corrected with Scan 2467

Target	Rel. to	Lower	Upper	Rel.	Raw	Result
Mass	Mass	Limit%	Limit%	Abn%	Abn	Pass/Fail
68	69	0.00	2	1.9	5354	PASS
69	69	100	100	100.0	287920	PASS
70	69	0.00	2	0.5	1437	PASS
197	198	0.00	2	0.0	0	PASS
198	198	100	100	100.0	761707	PASS
199	198	5	9	7.1	53917	PASS
365	198	1	100	3.5	26494	PASS
441	443	0.01	150	83.5	99787	PASS
442	442	100	100	100.0	640512	PASS
443	442	15	24	18.6	119448	PASS



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

Report of Analysis

Client:	Remington & Vernick Engineers		Date Collected:	
Project:	Edison Landfill		Date Received:	
Client Sample ID:	PB170483BL		SDG No.:	Q3569
Lab Sample ID:	PB170483BL		Matrix:	Water
Analytical Method:	SW8270ESIM	Level: LOW	% Solid:	0
Sample Wt/Vol:	1000 mL	Final Vol: 1000 uL	Test:	SVOC-SIMGroup1
Prep Method :	3510C	Prep Date: 11/11/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
TARGETS									
123-91-1	1,4-Dioxane	0.070	U	1	0.070	0.20	ug/L	11/12/25 10:07	PB170483
SURROGATES									
7297-45-2	2-Methylnaphthalene-d10	0.35			30 (47) - 150 (106)	87%	SPK: 0.4		
93951-69-0	Fluoranthene-d10	0.34			30 (54) - 150 (157)	86%	SPK: 0.4		
4165-60-0	Nitrobenzene-d5	0.37			30 (56) - 130 (116)	92%	SPK: 0.4		
321-60-8	2-Fluorobiphenyl	0.37			30 (50) - 130 (126)	92%	SPK: 0.4		
1718-51-0	Terphenyl-d14	0.46			30 (54) - 130 (175)	116%	SPK: 0.4		
INTERNAL STANDARDS		Area Count							
3855-82-1	1,4-Dichlorobenzene-d4	9480							
1146-65-2	Naphthalene-d8	27800							
15067-26-2	Acenaphthene-d10	15200							
1517-22-2	Phenanthrene-d10	28500							
1719-03-5	Chrysene-d12	19000							
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\BN111225\
Data File : BN038184.D
Acq On : 12 Nov 2025 10:07
Operator : RC/JU
Sample : PB170483BL
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
PB170483BL

Quant Time: Nov 12 10:31:49 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN102825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Oct 29 13:09:46 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.768	152	9479	0.400	ng	0.00
7) Naphthalene-d8	10.573	136	27842	0.400	ng	# 0.00
13) Acenaphthene-d10	14.430	164	15234	0.400	ng	0.00
19) Phenanthrene-d10	17.186	188	28458	0.400	ng	# 0.00
29) Chrysene-d12	21.375	240	18990	0.400	ng	0.00
35) Perylene-d12	23.686	264	17381	0.400	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.348	112	8510	0.381	ng	0.00
5) Phenol-d6	6.937	99	9697	0.357	ng	0.00
8) Nitrobenzene-d5	8.929	82	8268	0.368	ng	0.00
11) 2-Methylnaphthalene-d10	12.172	152	13840	0.348	ng	0.00
14) 2,4,6-Tribromophenol	15.945	330	1460	0.233	ng	0.01
15) 2-Fluorobiphenyl	13.051	172	22378	0.367	ng	0.00
27) Fluoranthene-d10	19.220	212	24538	0.342	ng	0.00
31) Terphenyl-d14	19.819	244	19123	0.464	ng	0.00

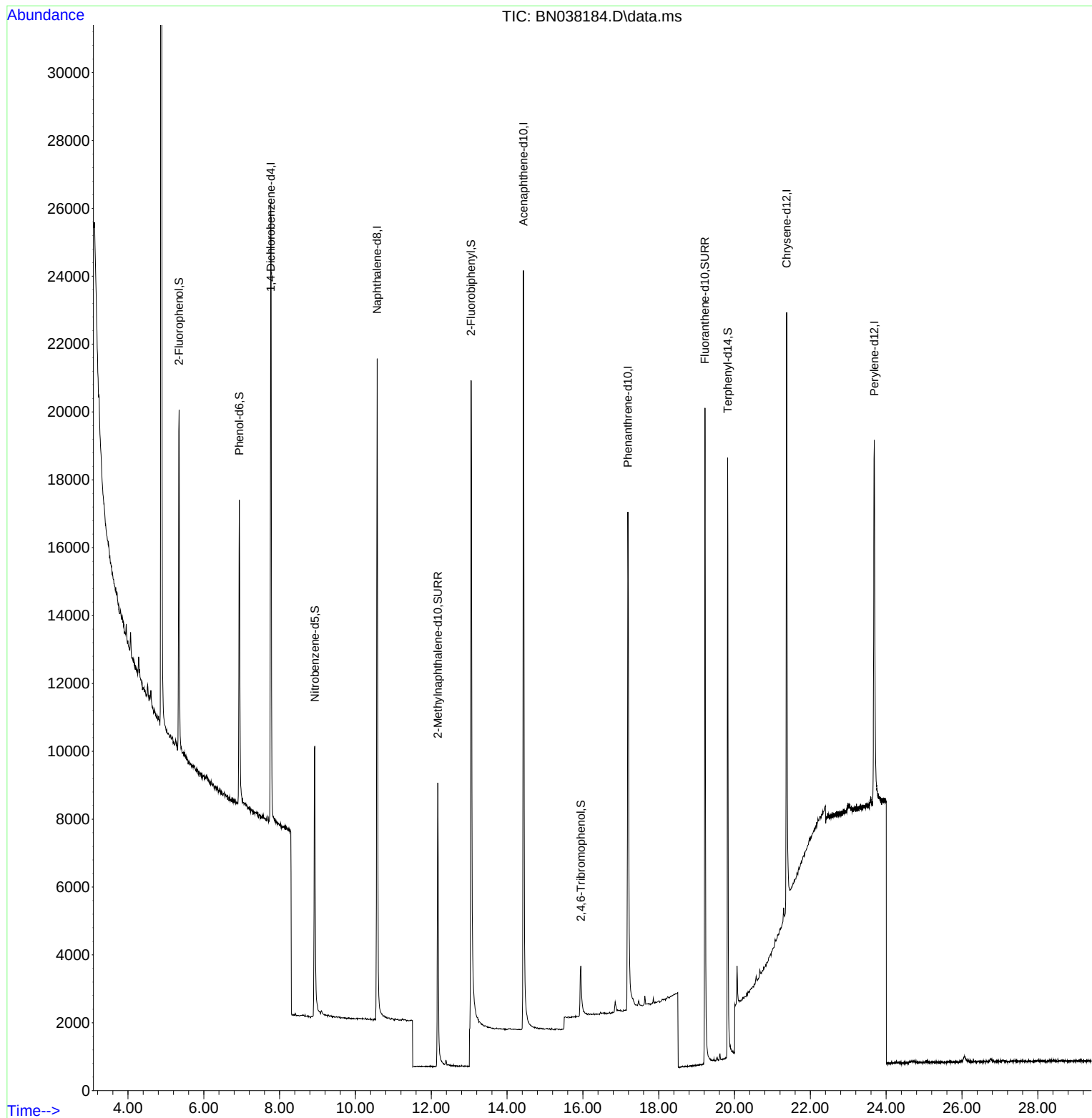
Target Compounds	Qvalue

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

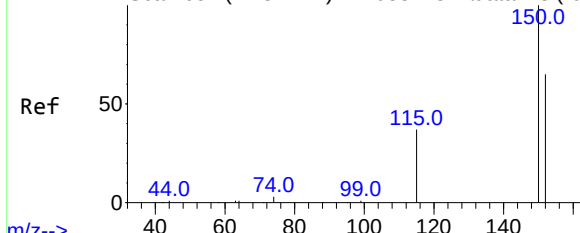
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN111225\
Data File : BN038184.D
Acq On : 12 Nov 2025 10:07
Operator : RC/JU
Sample : PB170483BL
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
PB170483BL

Quant Time: Nov 12 10:31:49 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN102825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Oct 29 13:09:46 2025
Response via : Initial Calibration



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



#1

1,4-Dichlorobenzene-d4

Concen: 0.400 ng

RT: 7.768 min Scan# 64

Delta R.T. -0.007 min

Lab File: BN038184.D

Acq: 12 Nov 2025 10:07

Instrument :

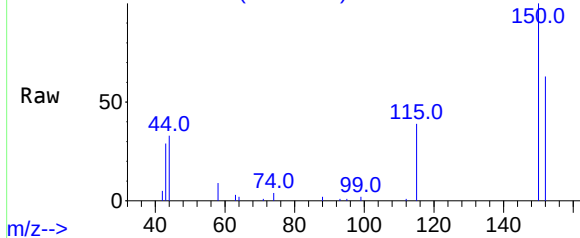
BNA_N

ClientSampleId :

PB170483BL

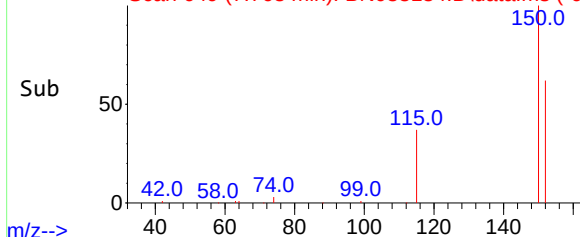
m/z-->

Abundance Scan 649 (7.768 min): BN038184.D\data.ms



m/z-->

Abundance Scan 649 (7.768 min): BN038184.D\data.ms (-62



m/z-->

Tgt Ion:152 Resp: 9479

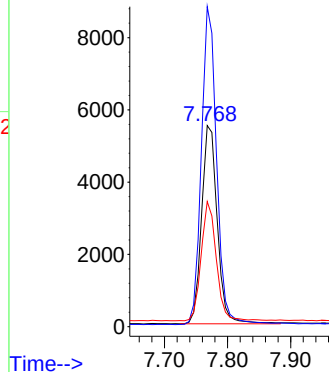
Ion Ratio Lower Upper

152 100

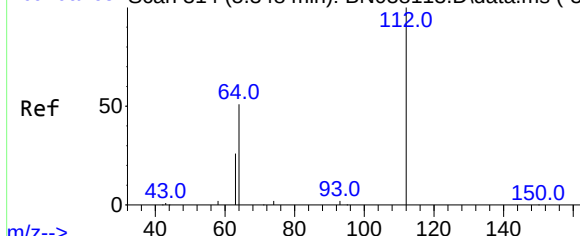
150 159.1 122.3 183.5

115 62.2 47.4 71.0

Abundance

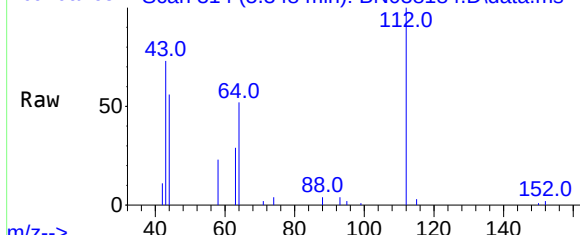


Abundance Scan 314 (5.348 min): BN038113.D\data.ms (-30



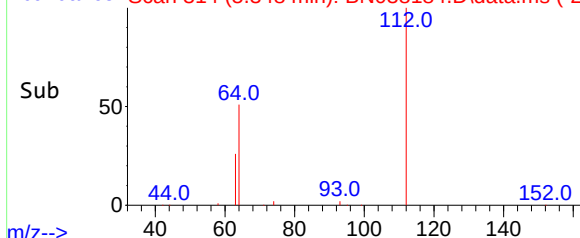
m/z-->

Abundance Scan 314 (5.348 min): BN038184.D\data.ms



m/z-->

Abundance Scan 314 (5.348 min): BN038184.D\data.ms (-28



m/z-->

#4

2-Fluorophenol

Concen: 0.381 ng

RT: 5.348 min Scan# 314

Delta R.T. 0.000 min

Lab File: BN038184.D

Acq: 12 Nov 2025 10:07

Tgt Ion:112 Resp: 8510

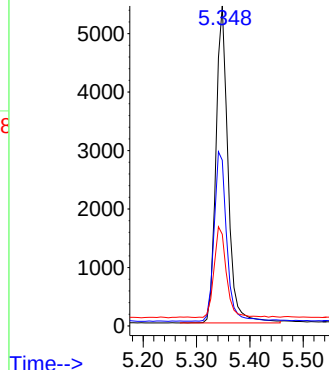
Ion Ratio Lower Upper

112 100

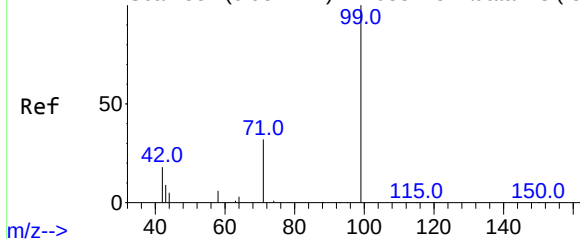
64 55.6 45.4 68.0

63 29.4 23.2 34.8

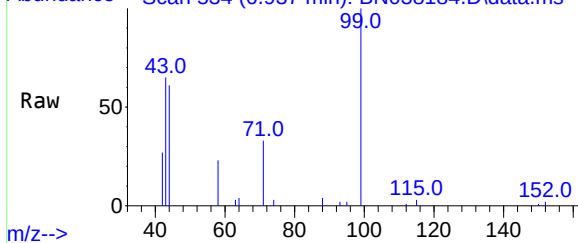
Abundance



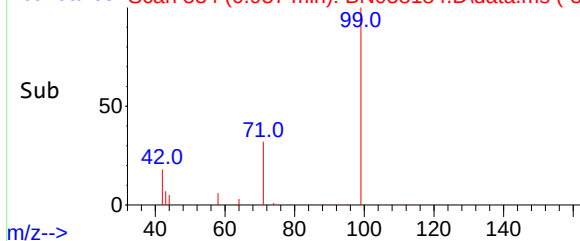
Abundance Scan 534 (6.937 min): BN038113.D\data.ms (-52



Abundance Scan 534 (6.937 min): BN038184.D\data.ms



Abundance Scan 534 (6.937 min): BN038184.D\data.ms (-50



#5

Phenol-d6

Concen: 0.357 ng

RT: 6.937 min Scan# 51

Delta R.T. 0.000 min

Lab File: BN038184.D

Acq: 12 Nov 2025 10:07

Instrument :

BNA_N

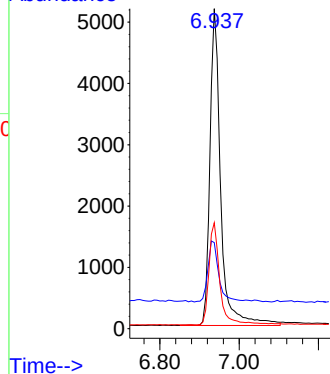
ClientSampleId :

PB170483BL

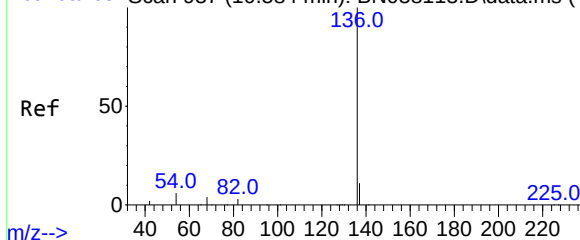
Tgt Ion: 99 Resp: 9697

Ion	Ratio	Lower	Upper
99	100		
42	19.5	16.6	24.8
71	32.8	25.4	38.2

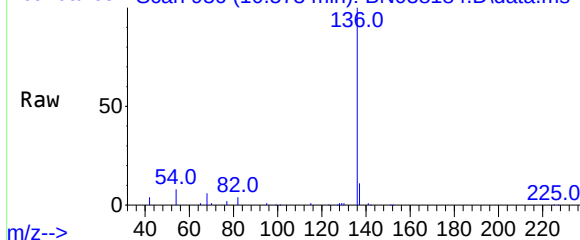
Abundance



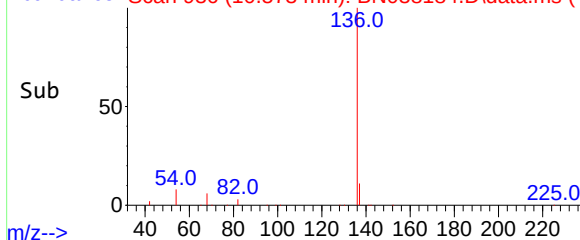
Abundance Scan 937 (10.584 min): BN038113.D\data.ms (-9



Abundance Scan 936 (10.573 min): BN038184.D\data.ms



Abundance Scan 936 (10.573 min): BN038184.D\data.ms (-9



#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.573 min Scan# 936

Delta R.T. 0.000 min

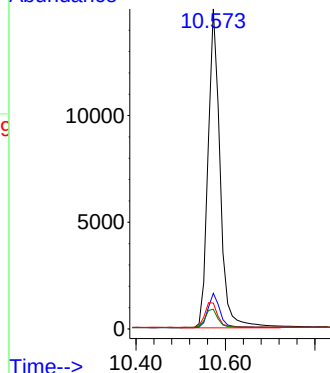
Lab File: BN038184.D

Acq: 12 Nov 2025 10:07

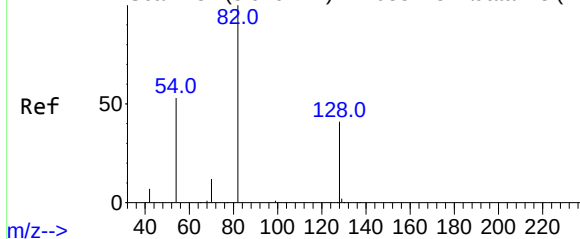
Tgt Ion: 136 Resp: 27842

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

Abundance



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



#8

Nitrobenzene-d5

Concen: 0.368 ng

RT: 8.929 min Scan# 71

Delta R.T. 0.000 min

Lab File: BN038184.D

Acq: 12 Nov 2025 10:07

Instrument :

BNA_N

ClientSampleId :

PB170483BL

Tgt Ion: 82 Resp: 8268

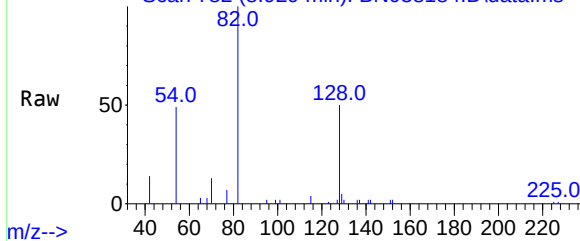
Ion Ratio Lower Upper

82 100

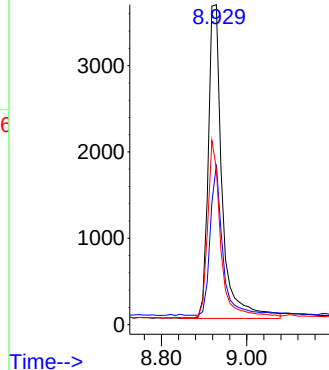
128 50.0 34.1 51.1

54 48.8 43.5 65.3

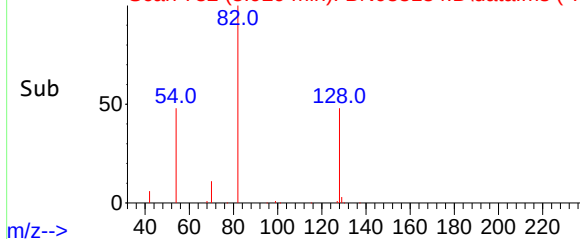
Abundance Scan 782 (8.929 min): BN038184.D\data.ms



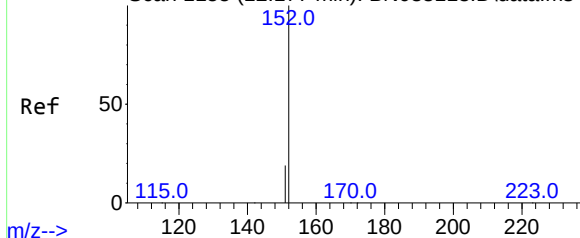
Abundance



Abundance Scan 782 (8.929 min): BN038184.D\data.ms (-76



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



#11

2-Methylnaphthalene-d10

Concen: 0.348 ng

RT: 12.172 min Scan# 1154

Delta R.T. -0.005 min

Lab File: BN038184.D

Acq: 12 Nov 2025 10:07

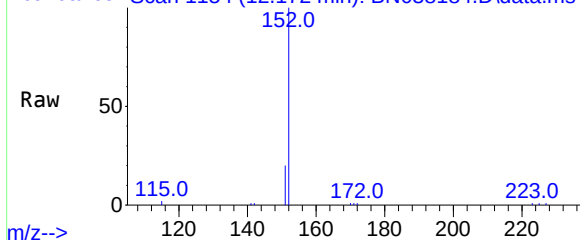
Tgt Ion: 152 Resp: 13840

Ion Ratio Lower Upper

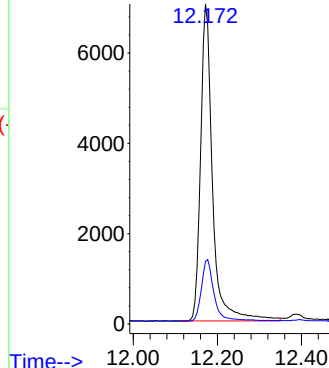
152 100

151 20.7 16.8 25.2

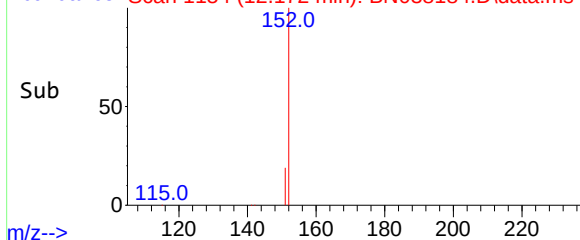
Abundance Scan 1154 (12.172 min): BN038184.D\data.ms

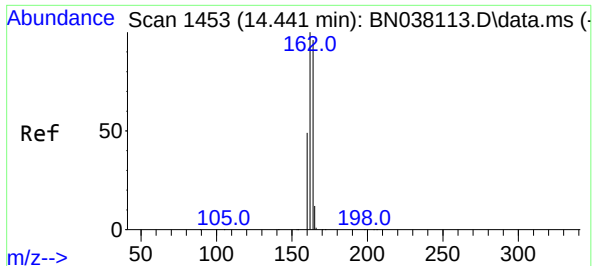


Abundance



Abundance Scan 1154 (12.172 min): BN038184.D\data.ms (-

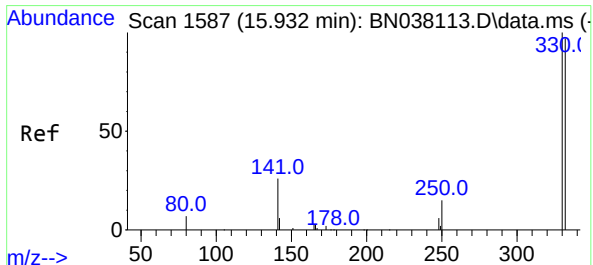
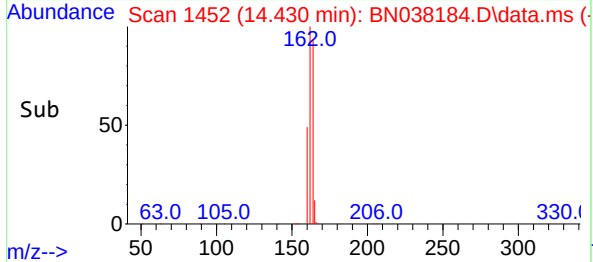
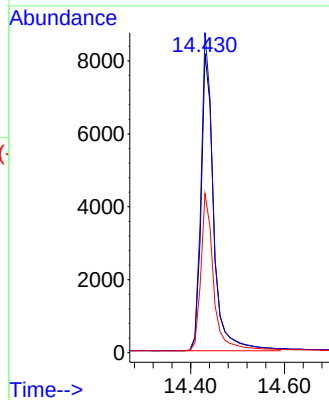
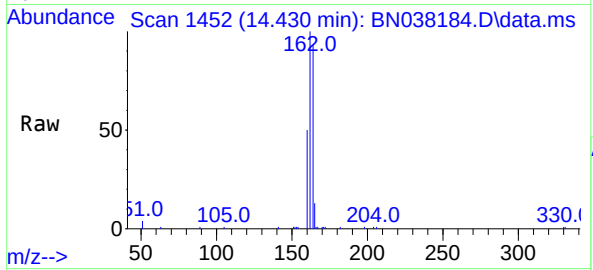




#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.430 min Scan# 1453
Delta R.T. 0.000 min
Lab File: BN038184.D
Acq: 12 Nov 2025 10:07

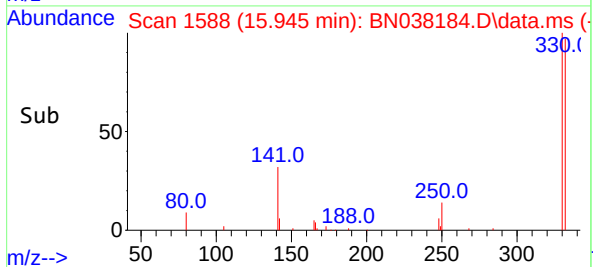
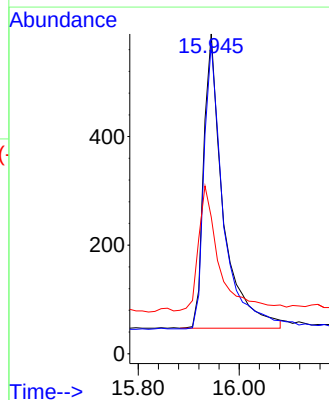
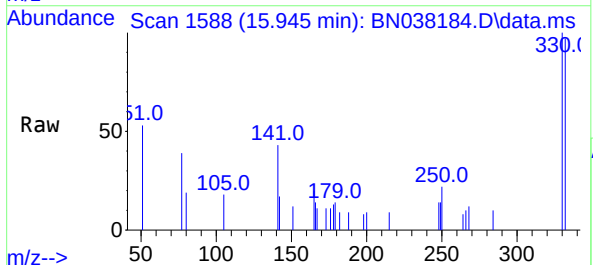
Instrument :
BNA_N
ClientSampleId :
PB170483BL

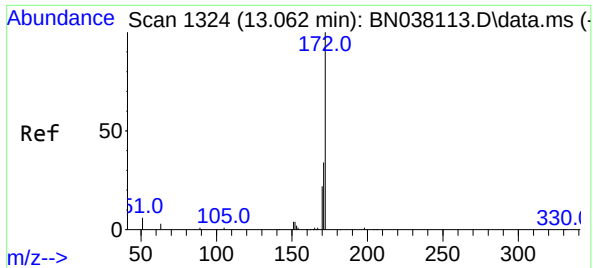
Tgt Ion:164 Resp: 15234
Ion Ratio Lower Upper
164 100
162 107.0 83.0 124.4
160 53.2 40.7 61.1



#14
2,4,6-Tribromophenol
Concen: 0.233 ng
RT: 15.945 min Scan# 1588
Delta R.T. 0.013 min
Lab File: BN038184.D
Acq: 12 Nov 2025 10:07

Tgt Ion:330 Resp: 1460
Ion Ratio Lower Upper
330 100
332 96.7 76.6 114.8
141 44.2 34.1 51.1

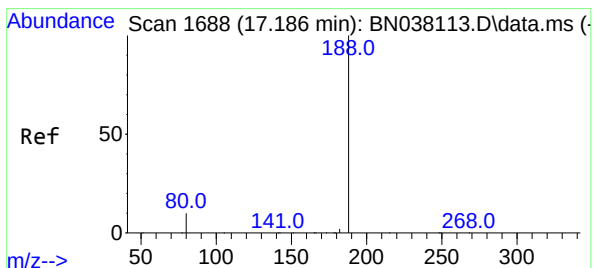
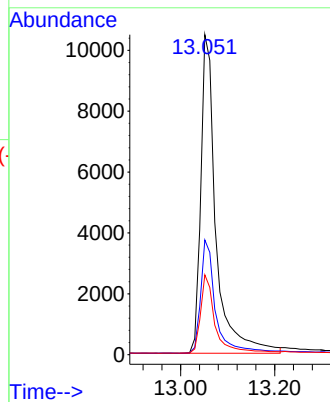
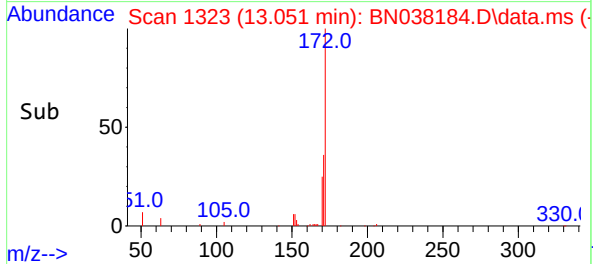
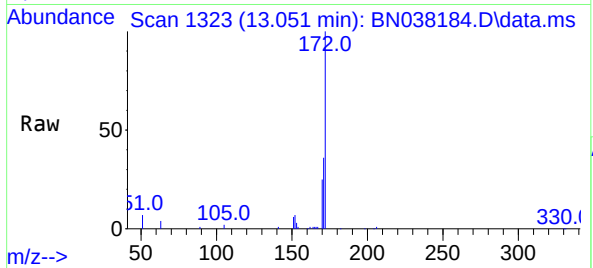




#15
2-Fluorobiphenyl
Concen: 0.367 ng
RT: 13.051 min Scan# 11
Delta R.T. 0.000 min
Lab File: BN038184.D
Acq: 12 Nov 2025 10:07

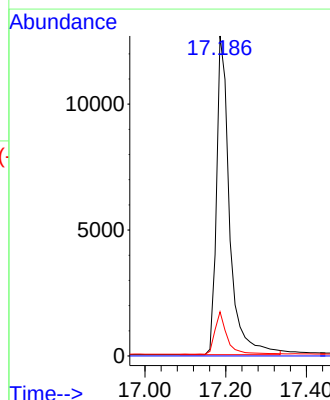
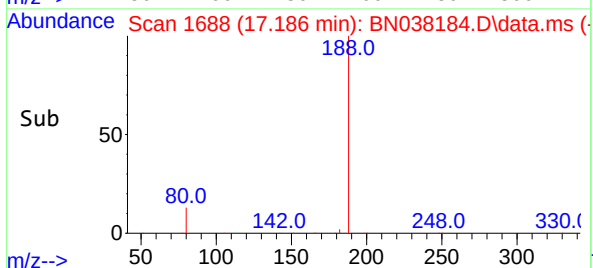
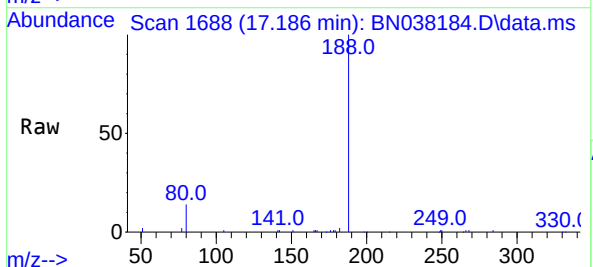
Instrument :
BNA_N
ClientSampleId :
PB170483BL

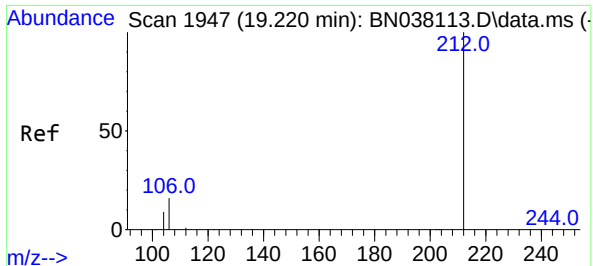
Tgt Ion:172 Resp: 22378
Ion Ratio Lower Upper
172 100
171 35.9 27.8 41.6
170 24.9 18.1 27.1



#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.186 min Scan# 1688
Delta R.T. 0.000 min
Lab File: BN038184.D
Acq: 12 Nov 2025 10:07

Tgt Ion:188 Resp: 28458
Ion Ratio Lower Upper
188 100
94 0.0 0.0 0.0
80 13.8 8.6 13.0#

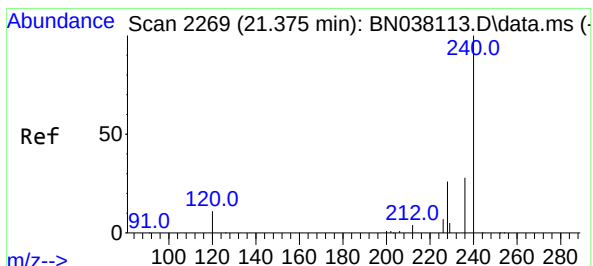
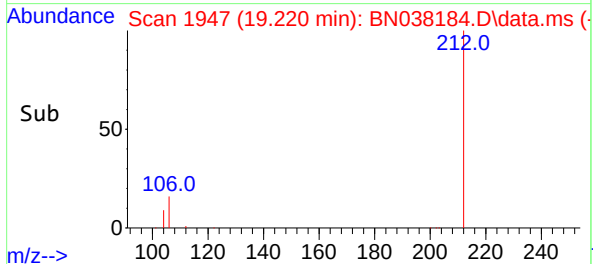
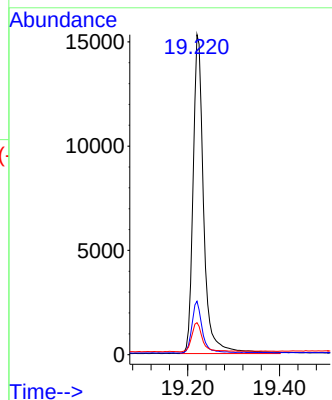
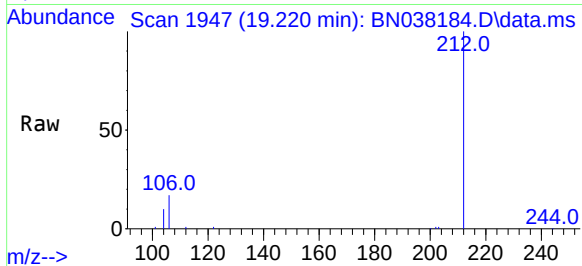




#27
Fluoranthene-d10
Concen: 0.342 ng
RT: 19.220 min Scan# 1947
Delta R.T. 0.000 min
Lab File: BN038184.D
Acq: 12 Nov 2025 10:07

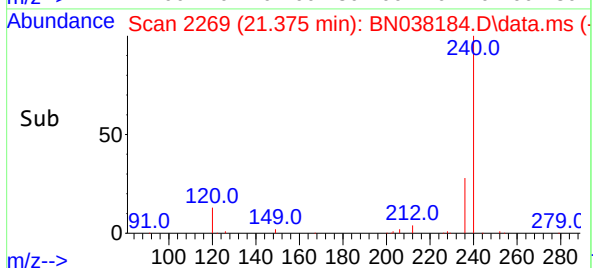
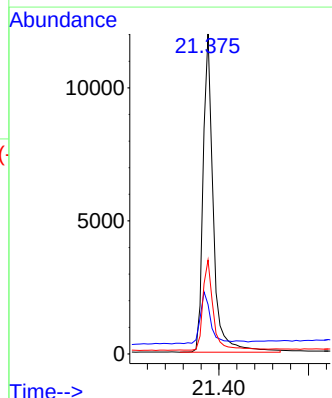
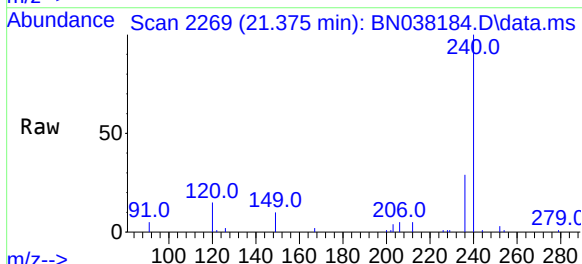
Instrument :
BNA_N
ClientSampleId :
PB170483BL

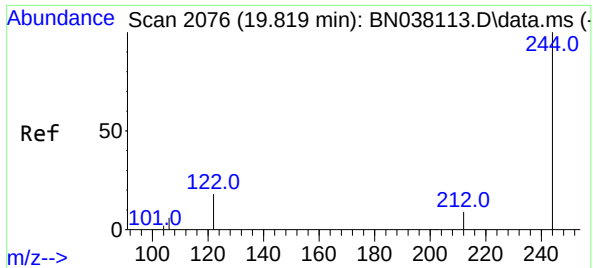
Tgt Ion	Ratio	Lower	Upper
212	100		
106	15.8	12.6	19.0
104	9.2	7.1	10.7



#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.375 min Scan# 2269
Delta R.T. 0.000 min
Lab File: BN038184.D
Acq: 12 Nov 2025 10:07

Tgt Ion	Ratio	Lower	Upper
240	100		
120	15.4	10.7	16.1
236	29.3	23.1	34.7

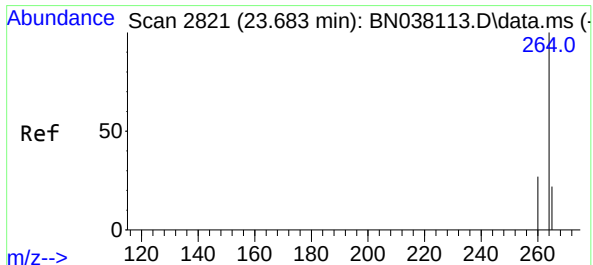
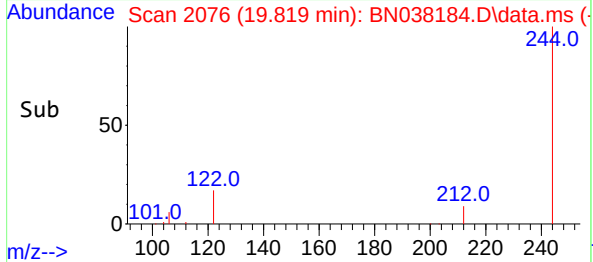
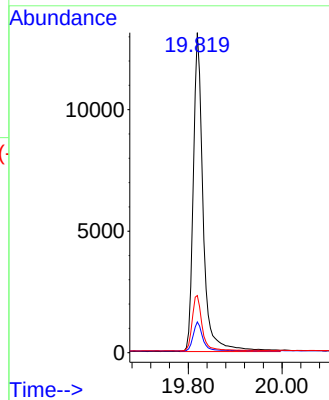
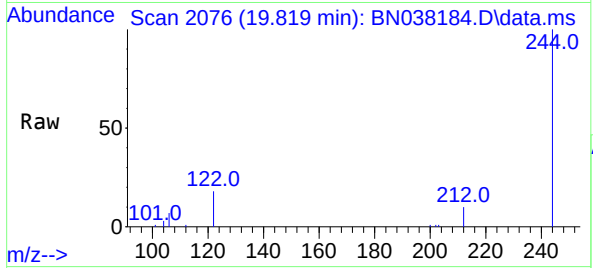




#31
Terphenyl-d14
Concen: 0.464 ng
RT: 19.819 min Scan# 2076
Delta R.T. 0.000 min
Lab File: BN038184.D
Acq: 12 Nov 2025 10:07

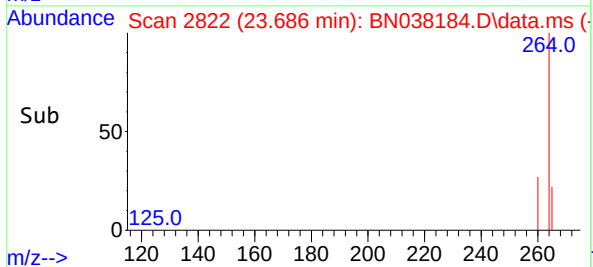
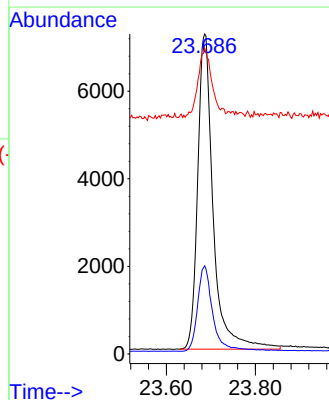
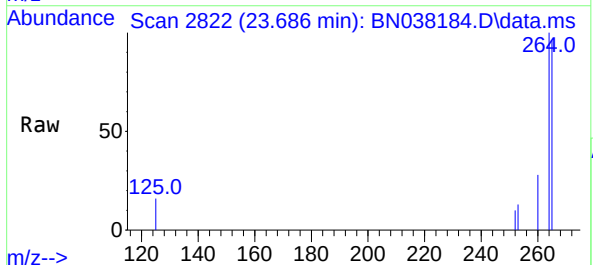
Instrument :
BNA_N
ClientSampleId :
PB170483BL

Tgt Ion:244 Resp: 19123
Ion Ratio Lower Upper
244 100
212 9.6 7.8 11.6
122 17.8 15.2 22.8



#35
Perylene-d12
Concen: 0.400 ng
RT: 23.686 min Scan# 2822
Delta R.T. 0.006 min
Lab File: BN038184.D
Acq: 12 Nov 2025 10:07

Tgt Ion:264 Resp: 17381
Ion Ratio Lower Upper
264 100
260 27.6 21.8 32.8
265 95.6 68.6 102.8





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

Report of Analysis

Client:	Remington & Vernick Engineers		Date Collected:	
Project:	Edison Landfill		Date Received:	
Client Sample ID:	PB170483BS		SDG No.:	Q3569
Lab Sample ID:	PB170483BS		Matrix:	Water
Analytical Method:	SW8270ESIM	Level: LOW	% Solid:	0
Sample Wt/Vol:	1000 mL	Final Vol: 1000 uL	Test:	SVOC-SIMGroup1
Prep Method :	3510C	Prep Date: 11/11/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
TARGETS									
123-91-1	1,4-Dioxane	0.32		1	0.070	0.20	ug/L	11/12/25 10:44	PB170483
SURROGATES									
7297-45-2	2-Methylnaphthalene-d10	0.36			30 (47) - 150 (106)	91%	SPK: 0.4		
93951-69-0	Fluoranthene-d10	0.33			30 (54) - 150 (157)	83%	SPK: 0.4		
4165-60-0	Nitrobenzene-d5	0.37			30 (56) - 130 (116)	93%	SPK: 0.4		
321-60-8	2-Fluorobiphenyl	0.37			30 (50) - 130 (126)	93%	SPK: 0.4		
1718-51-0	Terphenyl-d14	0.43			30 (54) - 130 (175)	108%	SPK: 0.4		
INTERNAL STANDARDS		Area Count							
3855-82-1	1,4-Dichlorobenzene-d4	11100							
1146-65-2	Naphthalene-d8	33600							
15067-26-2	Acenaphthene-d10	18300							
1517-22-2	Phenanthrene-d10	33800							
1719-03-5	Chrysene-d12	23900							
1520-96-3	Perylene-d12	21600							

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN111225\
 Data File : BN038185.D
 Acq On : 12 Nov 2025 10:44
 Operator : RC/JU
 Sample : PB170483BS
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 PB170483BS

Quant Time: Nov 12 11:09:05 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN102825.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Oct 29 13:09:46 2025
 Response via : Initial Calibration

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

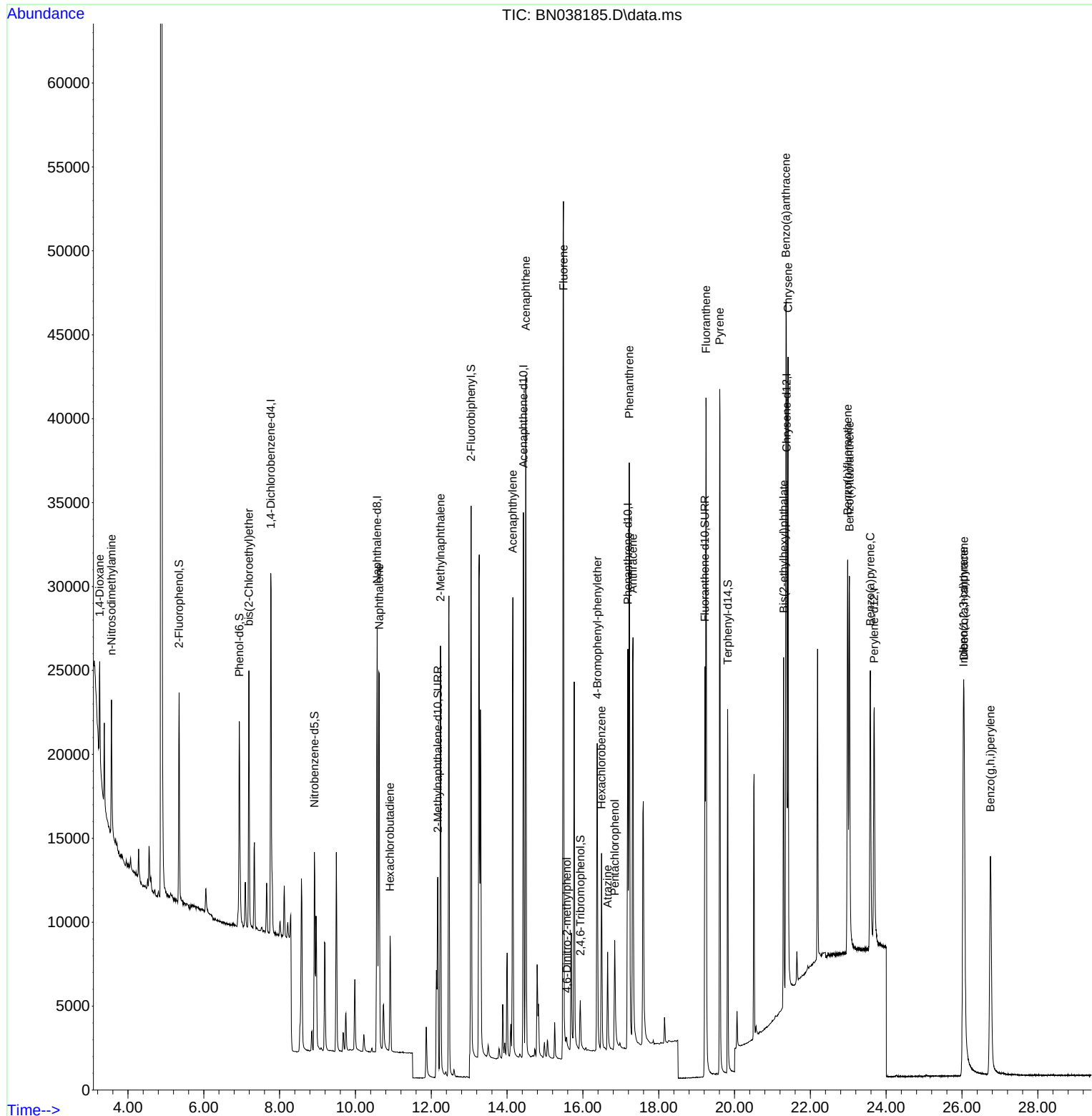
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.768	152	11079	0.400	ng	0.00
7) Naphthalene-d8	10.573	136	33638	0.400	ng	0.00
13) Acenaphthene-d10	14.430	164	18281	0.400	ng	0.00
19) Phenanthrene-d10	17.186	188	33841	0.400	ng	0.00
29) Chrysene-d12	21.375	240	23862	0.400	ng	0.00
35) Perylene-d12	23.683	264	21641	0.400	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.348	112	10277	0.394	ng	0.00
5) Phenol-d6	6.937	99	11978	0.377	ng	0.00
8) Nitrobenzene-d5	8.918	82	10064	0.371	ng	-0.01
11) 2-Methylnaphthalene-d10	12.172	152	17459	0.363	ng	0.00
14) 2,4,6-Tribromophenol	15.932	330	2025	0.269	ng	0.00
15) 2-Fluorobiphenyl	13.051	172	27223	0.372	ng	0.00
27) Fluoranthene-d10	19.220	212	28223	0.331	ng	0.00
31) Terphenyl-d14	19.819	244	22475	0.434	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.254	88	3649	0.319	ng	# 64
3) n-Nitrosodimethylamine	3.564	42	4978	0.338	ng	# 95
6) bis(2-Chloroethyl)ether	7.190	93	11386	0.365	ng	99
9) Naphthalene	10.626	128	32861	0.355	ng	100
10) Hexachlorobutadiene	10.915	225	5768	0.369	ng	# 99
12) 2-Methylnaphthalene	12.243	142	19357	0.313	ng	98
16) Acenaphthylene	14.152	152	31993	0.386	ng	99
17) Acenaphthene	14.494	154	19697	0.340	ng	98
18) Fluorene	15.489	166	26917	0.355	ng	100
20) 4,6-Dinitro-2-methylph...	15.572	198	646	0.284	ng	# 71
21) 4-Bromophenyl-phenylether	16.379	248	7923	0.357	ng	92
22) Hexachlorobenzene	16.491	284	9691	0.384	ng	98
23) Atrazine	16.652	200	5427	0.334	ng	98
24) Pentachlorophenol	16.838	266	4291	0.395	ng	98
25) Phenanthrene	17.223	178	37919	0.353	ng	100
26) Anthracene	17.322	178	34132	0.363	ng	99
28) Fluoranthene	19.248	202	39000	0.325	ng	100
30) Pyrene	19.610	202	38950	0.362	ng	100
32) Benzo(a)anthracene	21.357	228	31304	0.368	ng	99
33) Chrysene	21.411	228	34651	0.375	ng	100
34) Bis(2-ethylhexyl)phtha...	21.295	149	16109	0.359	ng	100
36) Indeno(1,2,3-cd)pyrene	26.037	276	36958	0.416	ng	99
37) Benzo(b)fluoranthene	22.984	252	31609	0.342	ng	99
38) Benzo(k)fluoranthene	23.031	252	33378	0.358	ng	98
39) Benzo(a)pyrene	23.581	252	28450	0.384	ng	97
40) Dibenzo(a,h)anthracene	26.054	278	28160	0.412	ng	97
41) Benzo(g,h,i)perylene	26.750	276	31402	0.402	ng	99

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

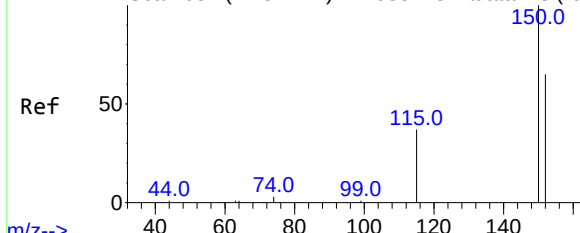
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN111225\
Data File : BN038185.D
Acq On : 12 Nov 2025 10:44
Operator : RC/JU
Sample : PB170483BS
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
PB170483BS

Quant Time: Nov 12 11:09:05 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN102825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Oct 29 13:09:46 2025
Response via : Initial Calibration



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



#1

1,4-Dichlorobenzene-d4

Concen: 0.400 ng

RT: 7.768 min Scan# 64

Delta R.T. -0.007 min

Lab File: BN038185.D

Acq: 12 Nov 2025 10:44

Instrument :

BNA_N

ClientSampleId :

PB170483BS

Tgt Ion:152 Resp: 11079

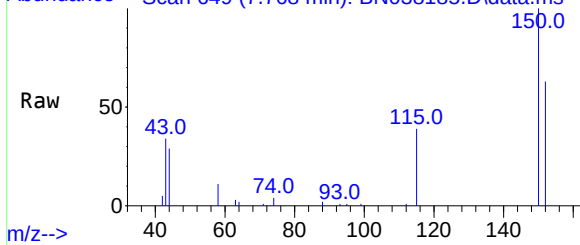
Ion Ratio Lower Upper

152 100

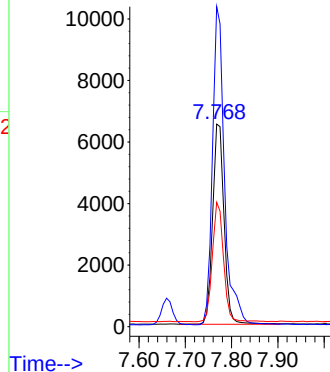
150 158.0 122.3 183.5

115 61.4 47.4 71.0

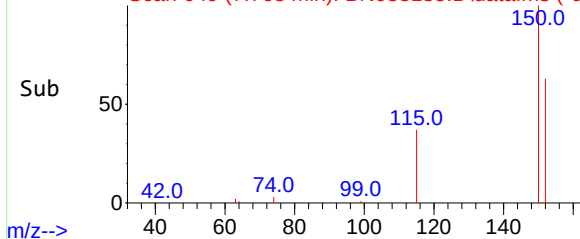
Abundance Scan 649 (7.768 min): BN038185.D\data.ms



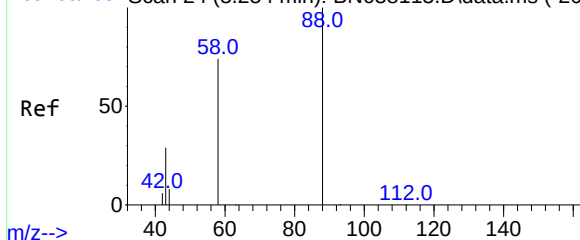
Abundance



Abundance Scan 649 (7.768 min): BN038185.D\data.ms (-62)



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



#2

1,4-Dioxane

Concen: 0.319 ng

RT: 3.254 min Scan# 24

Delta R.T. -0.000 min

Lab File: BN038185.D

Acq: 12 Nov 2025 10:44

Tgt Ion: 88 Resp: 3649

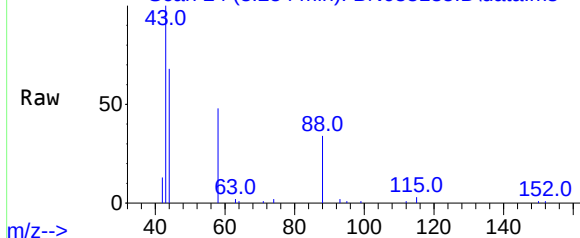
Ion Ratio Lower Upper

88 100

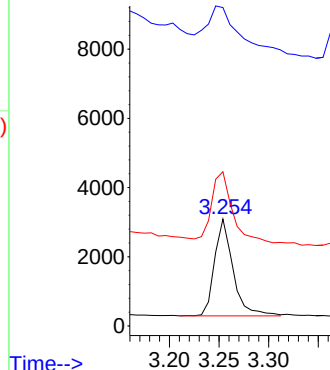
43 86.1 24.3 36.5

58 83.3 60.4 90.6

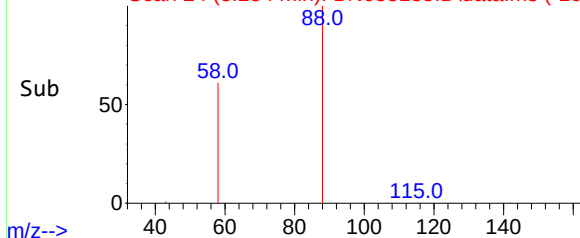
Abundance Scan 24 (3.254 min): BN038185.D\data.ms



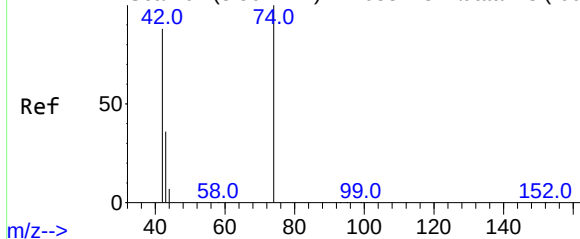
Abundance



Abundance Scan 24 (3.254 min): BN038185.D\data.ms (-10)

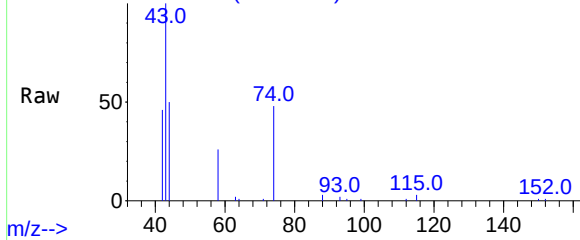


Abundance Scan 67 (3.564 min): BN038113.D\data.ms (-60)



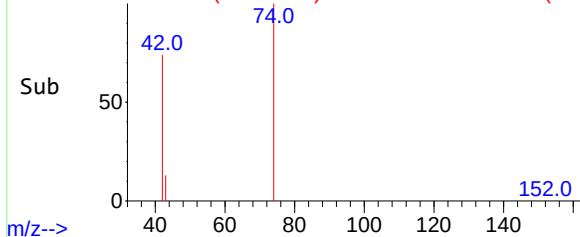
m/z-->

Abundance Scan 67 (3.564 min): BN038185.D\data.ms



m/z-->

Abundance Scan 67 (3.564 min): BN038185.D\data.ms (-45)



m/z-->

#3

n-Nitrosodimethylamine

Concen: 0.338 ng

RT: 3.564 min Scan# 61

Delta R.T. 0.007 min

Lab File: BN038185.D

Acq: 12 Nov 2025 10:44

Instrument :

BNA_N

ClientSampleId :

PB170483BS

Tgt Ion: 42 Resp: 4978

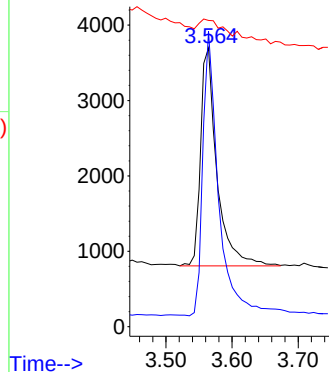
Ion Ratio Lower Upper

42 100

74 125.1 96.8 145.2

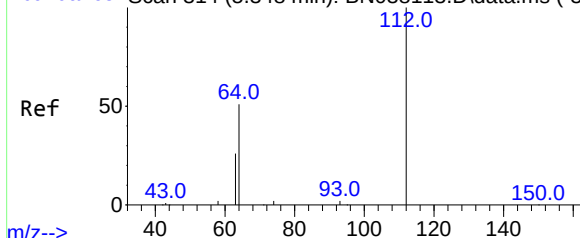
44 18.8 5.3 7.9#

Abundance



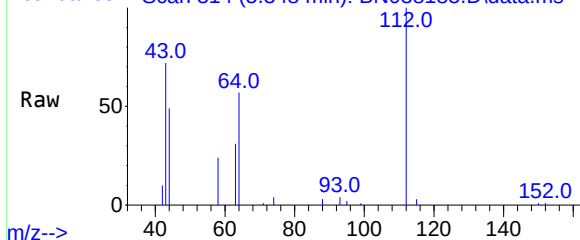
Time-->

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



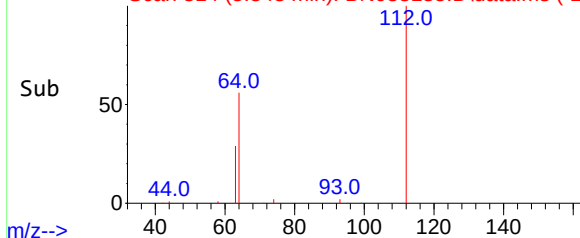
m/z-->

Abundance Scan 314 (5.348 min): BN038185.D\data.ms



m/z-->

Abundance Scan 314 (5.348 min): BN038185.D\data.ms (-28)



m/z-->

#4

2-Fluorophenol

Concen: 0.394 ng

RT: 5.348 min Scan# 314

Delta R.T. -0.000 min

Lab File: BN038185.D

Acq: 12 Nov 2025 10:44

Tgt Ion: 112 Resp: 10277

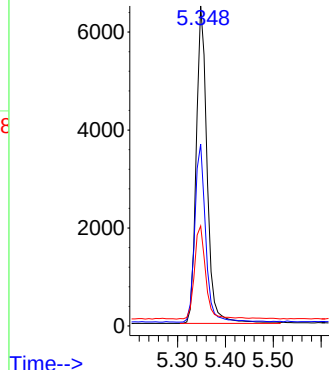
Ion Ratio Lower Upper

112 100

64 55.9 45.4 68.0

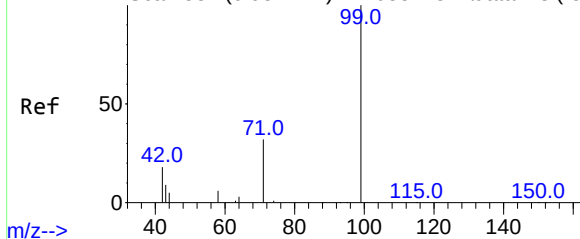
63 29.8 23.2 34.8

Abundance



Time-->

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



#5

Phenol-d6

Concen: 0.377 ng

RT: 6.937 min Scan# 51

Delta R.T. -0.000 min

Lab File: BN038185.D

Acq: 12 Nov 2025 10:44

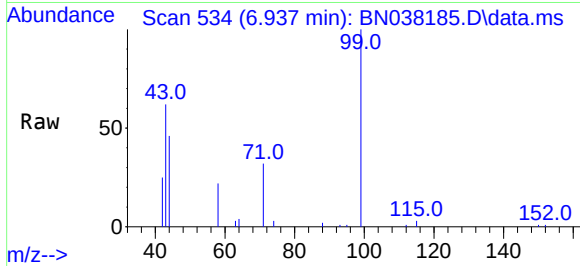
Instrument :

BNA_N

ClientSampleId :

PB170483BS

Abundance Scan 534 (6.937 min): BN038185.D\data.ms



Tgt Ion: 99 Resp: 11978

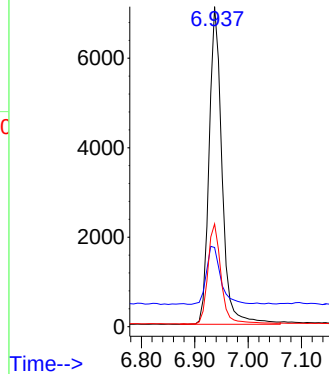
Ion Ratio Lower Upper

99 100

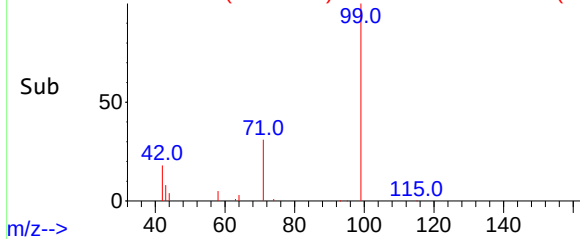
42 20.0 16.6 24.8

71 32.2 25.4 38.2

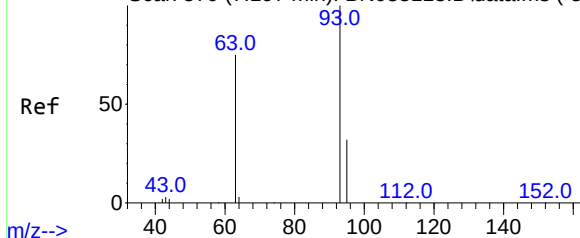
Abundance



Abundance Scan 534 (6.937 min): BN038185.D\data.ms (-50



Abundance Scan 570 (7.197 min): BN038113.D\data.ms (-56



#6

bis(2-Chloroethyl)ether

Concen: 0.365 ng

RT: 7.190 min Scan# 569

Delta R.T. -0.007 min

Lab File: BN038185.D

Acq: 12 Nov 2025 10:44

Tgt Ion: 93 Resp: 11386

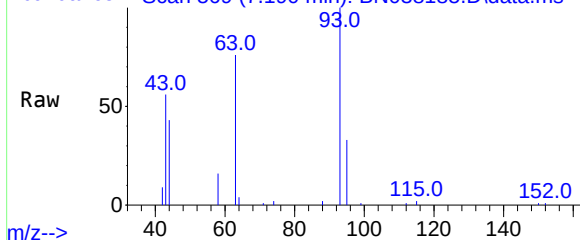
Ion Ratio Lower Upper

93 100

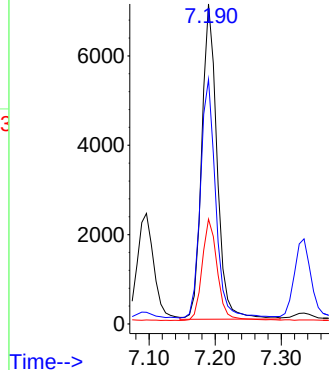
63 75.2 59.3 88.9

95 32.0 25.2 37.8

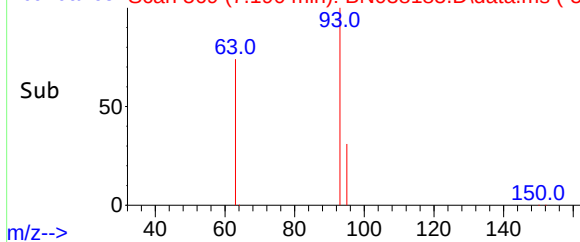
Abundance Scan 569 (7.190 min): BN038185.D\data.ms

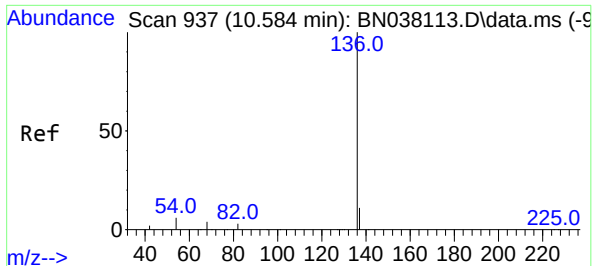


Abundance



Abundance Scan 569 (7.190 min): BN038185.D\data.ms (-53

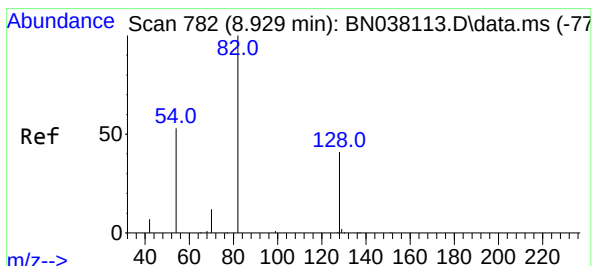
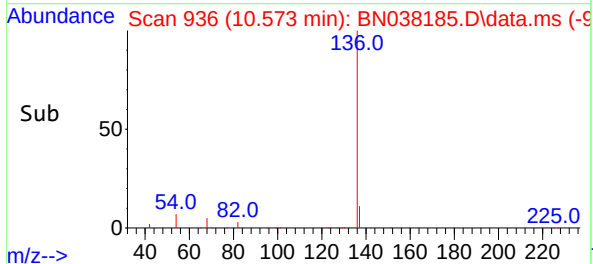
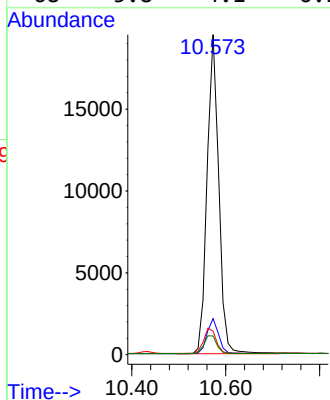
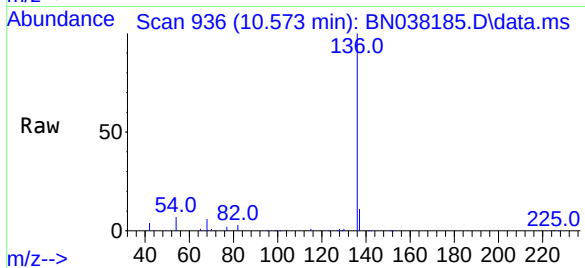




#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.573 min Scan# 91
Delta R.T. -0.000 min
Lab File: BN038185.D
Acq: 12 Nov 2025 10:44

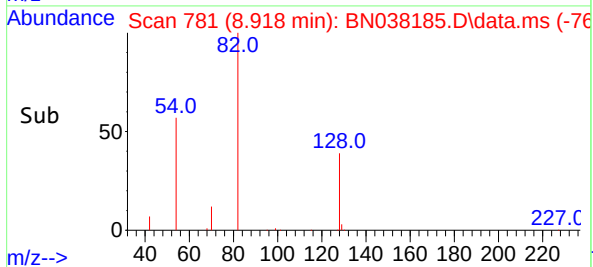
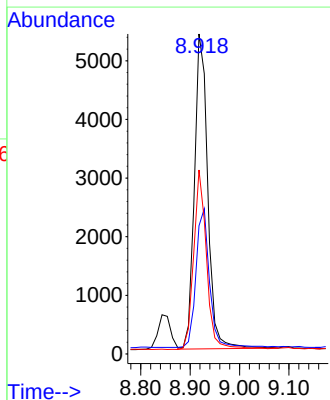
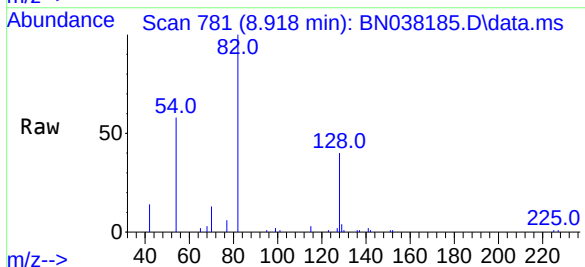
Instrument :
BNA_N
ClientSampleId :
PB170483BS

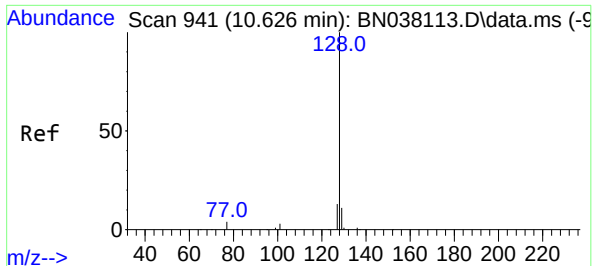
Tgt Ion:136 Resp: 33638
Ion Ratio Lower Upper
136 100
137 11.2 9.0 13.4
54 7.4 5.2 7.8
68 5.8 4.1 6.1



#8
Nitrobenzene-d5
Concen: 0.371 ng
RT: 8.918 min Scan# 781
Delta R.T. -0.011 min
Lab File: BN038185.D
Acq: 12 Nov 2025 10:44

Tgt Ion: 82 Resp: 10064
Ion Ratio Lower Upper
82 100
128 40.1 34.1 51.1
54 57.5 43.5 65.3

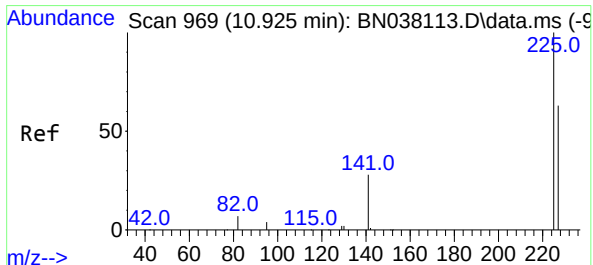
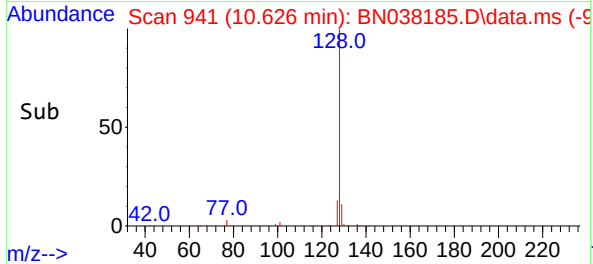
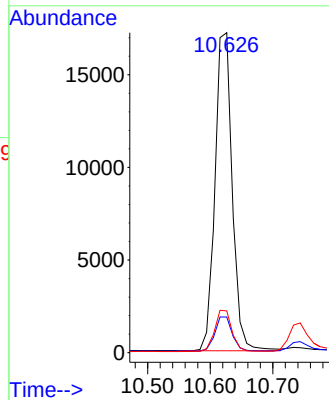
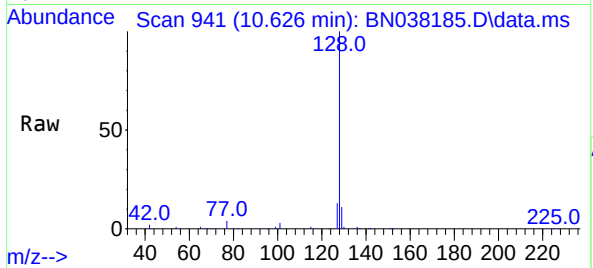




#9
Naphthalene
Concen: 0.355 ng
RT: 10.626 min Scan# 941
Delta R.T. -0.000 min
Lab File: BN038185.D
Acq: 12 Nov 2025 10:44

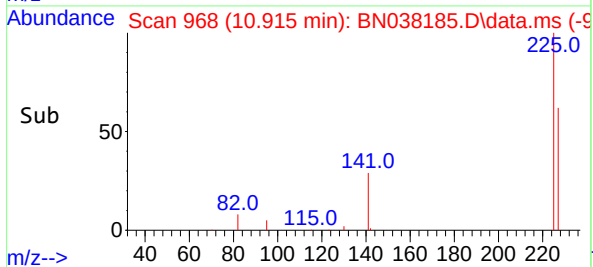
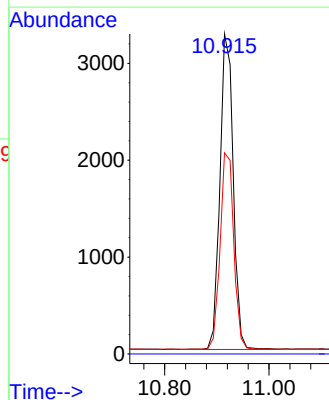
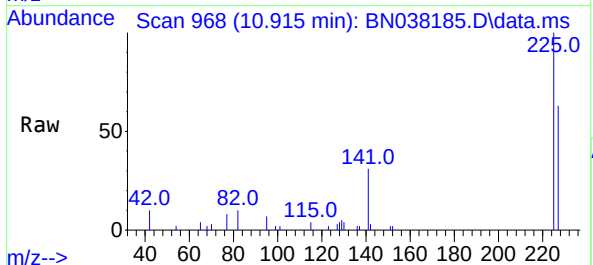
Instrument :
BNA_N
ClientSampleId :
PB170483BS

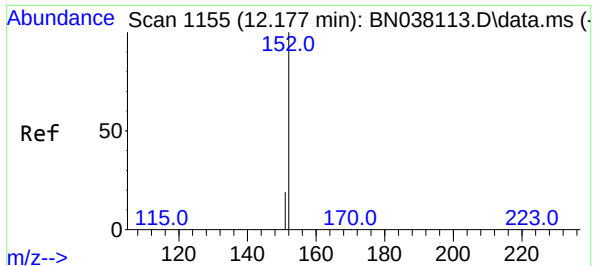
Tgt Ion:128 Resp: 32861
Ion Ratio Lower Upper
128 100
129 11.1 9.1 13.7
127 13.0 10.5 15.7



#10
Hexachlorobutadiene
Concen: 0.369 ng
RT: 10.915 min Scan# 968
Delta R.T. -0.011 min
Lab File: BN038185.D
Acq: 12 Nov 2025 10:44

Tgt Ion:225 Resp: 5768
Ion Ratio Lower Upper
225 100
223 0.0 0.0 0.0
227 64.0 50.3 75.5

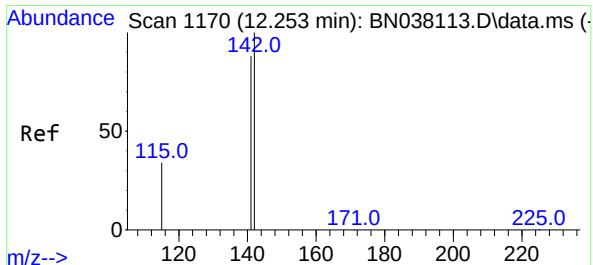
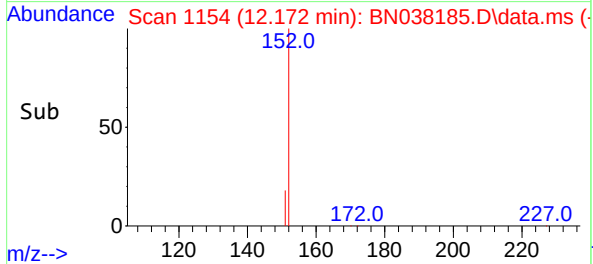
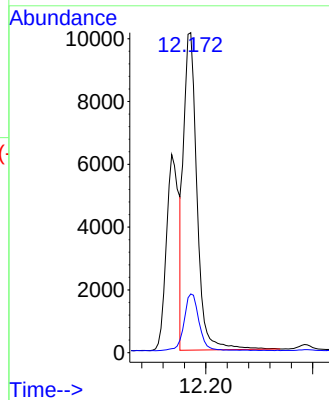
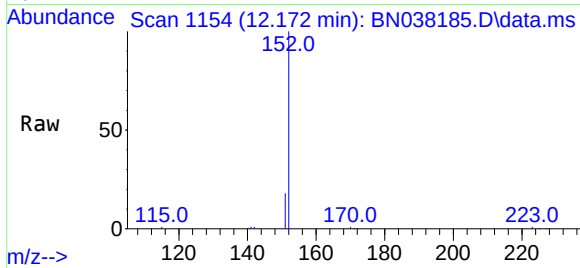




#11
2-Methylnaphthalene-d10
Concen: 0.363 ng
RT: 12.172 min Scan# 1155
Delta R.T. -0.005 min
Lab File: BN038185.D
Acq: 12 Nov 2025 10:44

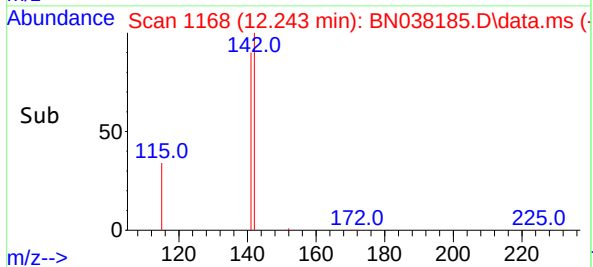
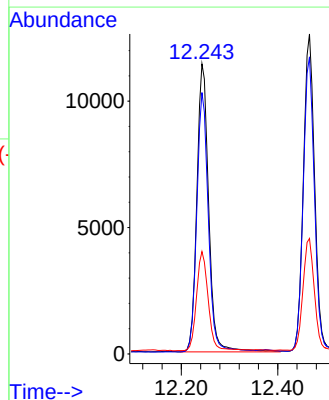
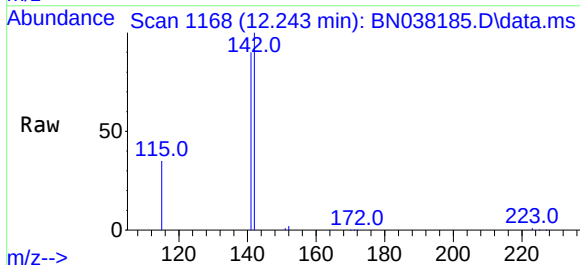
Instrument :
BNA_N
ClientSampleId :
PB170483BS

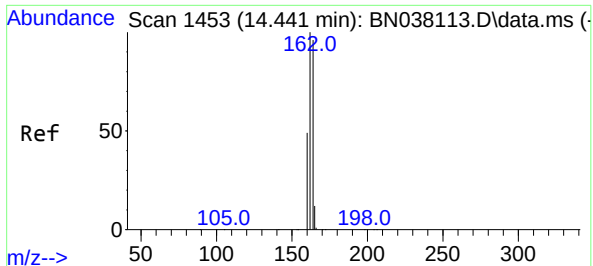
Tgt Ion:152 Resp: 17459
Ion Ratio Lower Upper
152 100
151 20.3 16.8 25.2



#12
2-Methylnaphthalene
Concen: 0.313 ng
RT: 12.243 min Scan# 1168
Delta R.T. -0.005 min
Lab File: BN038185.D
Acq: 12 Nov 2025 10:44

Tgt Ion:142 Resp: 19357
Ion Ratio Lower Upper
142 100
141 90.2 70.3 105.5
115 35.3 27.8 41.6

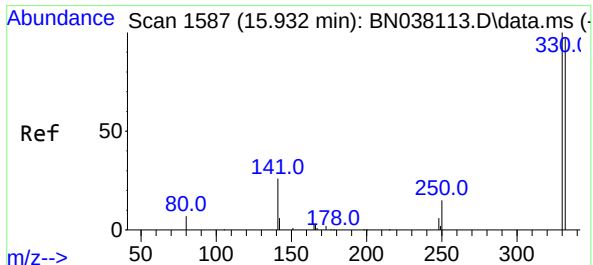
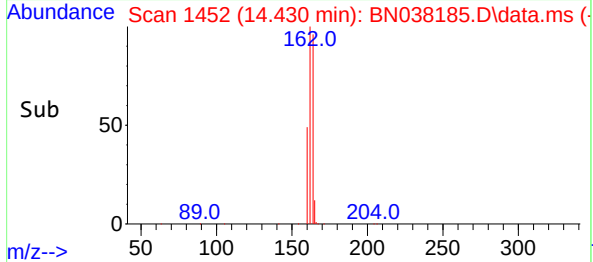
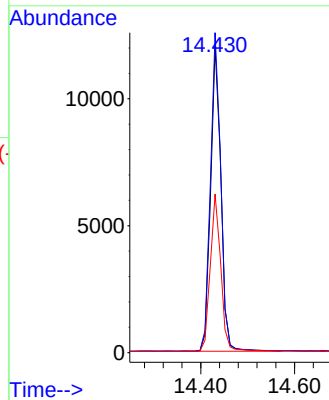
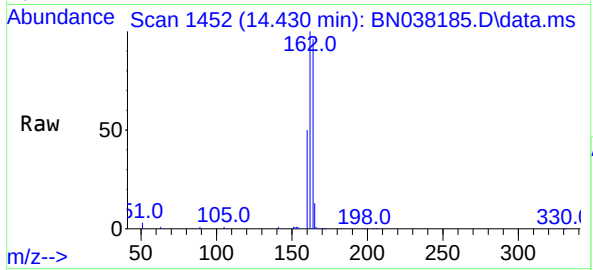




#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.430 min Scan# 1453
Delta R.T. -0.000 min
Lab File: BN038185.D
Acq: 12 Nov 2025 10:44

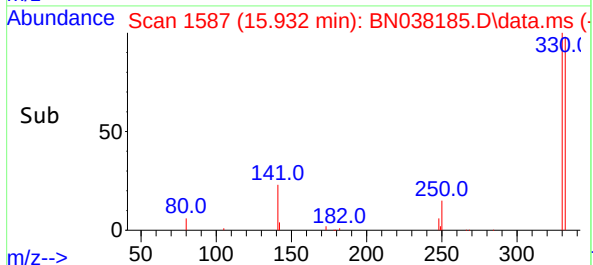
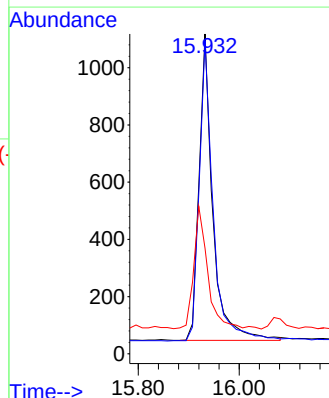
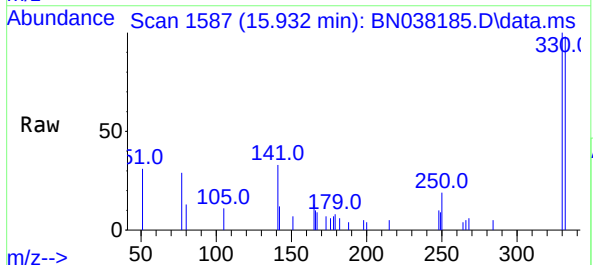
Instrument :
BNA_N
ClientSampleId :
PB170483BS

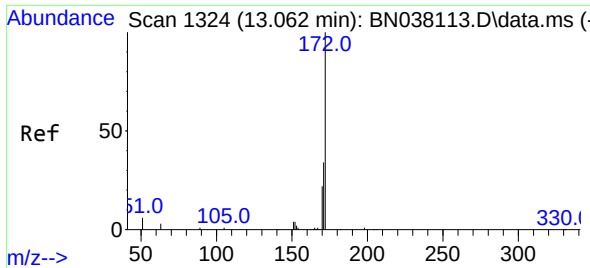
Tgt Ion:164 Resp: 18281
Ion Ratio Lower Upper
164 100
162 104.6 83.0 124.4
160 51.8 40.7 61.1



#14
2,4,6-Tribromophenol
Concen: 0.269 ng
RT: 15.932 min Scan# 1587
Delta R.T. 0.000 min
Lab File: BN038185.D
Acq: 12 Nov 2025 10:44

Tgt Ion:330 Resp: 2025
Ion Ratio Lower Upper
330 100
332 99.9 76.6 114.8
141 40.8 34.1 51.1

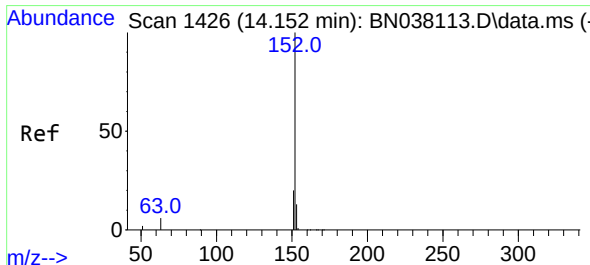
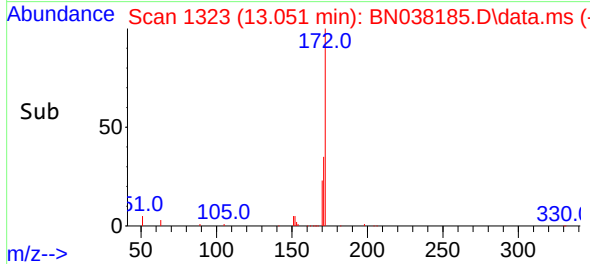
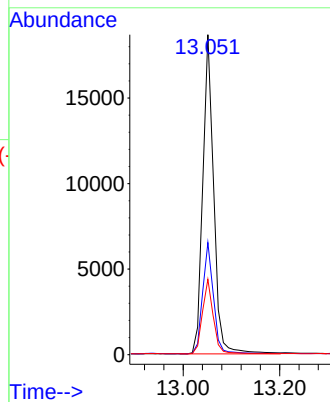
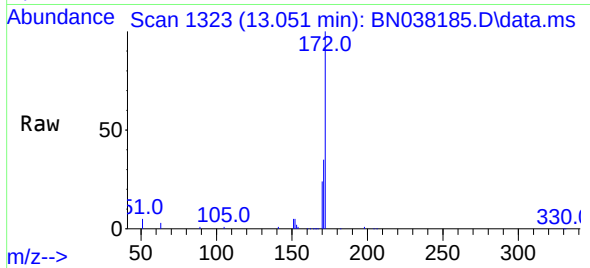




#15
2-Fluorobiphenyl
Concen: 0.372 ng
RT: 13.051 min Scan# 1323
Delta R.T. -0.000 min
Lab File: BN038185.D
Acq: 12 Nov 2025 10:44

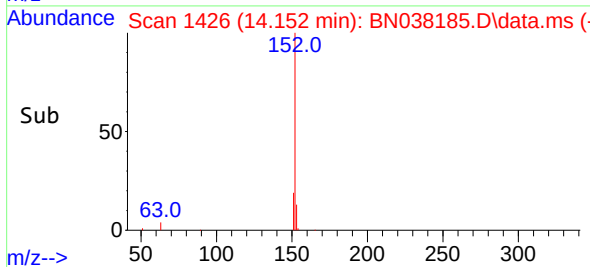
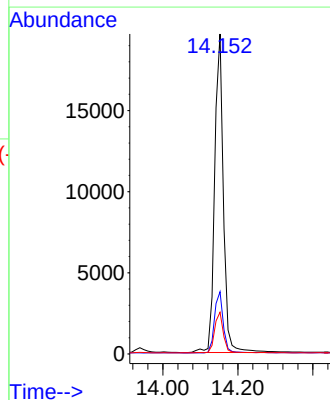
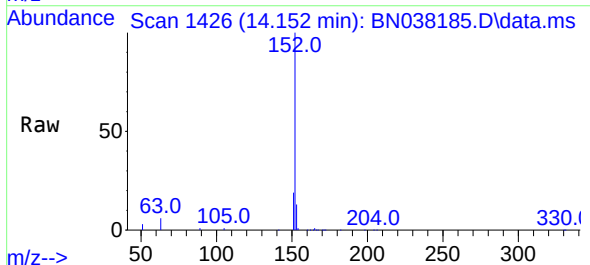
Instrument :
BNA_N
ClientSampleId :
PB170483BS

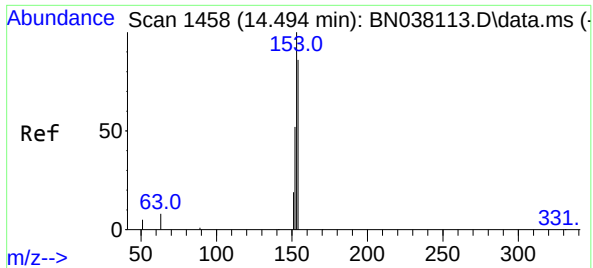
Tgt Ion:172 Resp: 27223
Ion Ratio Lower Upper
172 100
171 35.0 27.8 41.6
170 23.6 18.1 27.1



#16
Acenaphthylene
Concen: 0.386 ng
RT: 14.152 min Scan# 1426
Delta R.T. -0.000 min
Lab File: BN038185.D
Acq: 12 Nov 2025 10:44

Tgt Ion:152 Resp: 31993
Ion Ratio Lower Upper
152 100
151 19.4 15.8 23.8
153 12.7 10.2 15.2

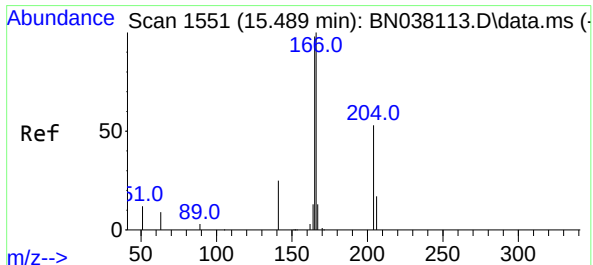
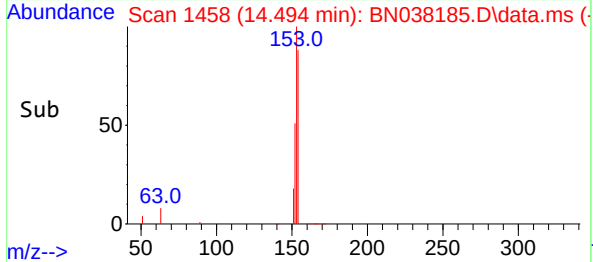
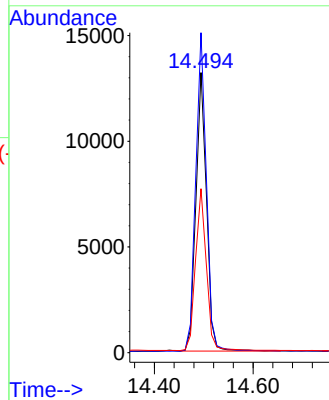
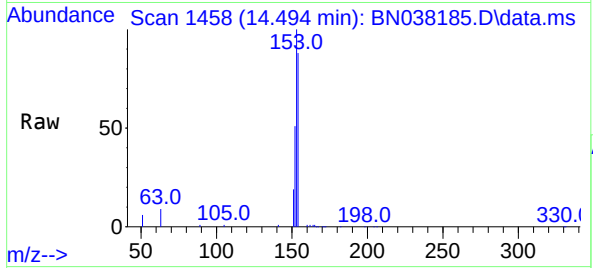




#17
Acenaphthene
Concen: 0.340 ng
RT: 14.494 min Scan# 1458
Delta R.T. -0.000 min
Lab File: BN038185.D
Acq: 12 Nov 2025 10:44

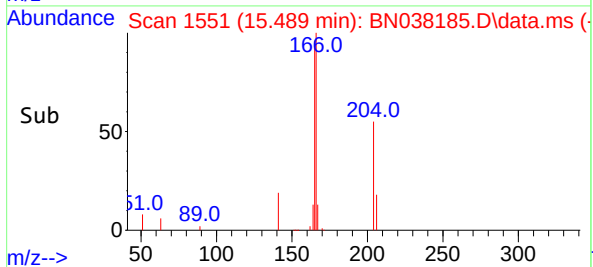
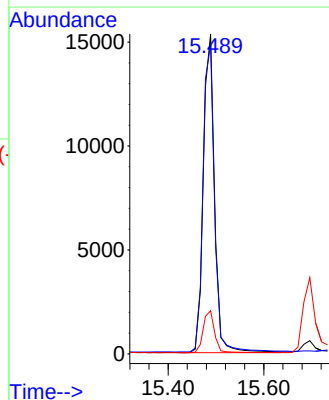
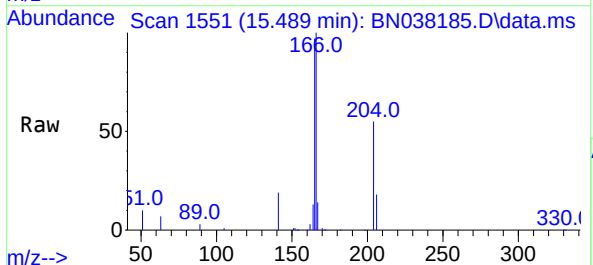
Instrument :
BNA_N
ClientSampleId :
PB170483BS

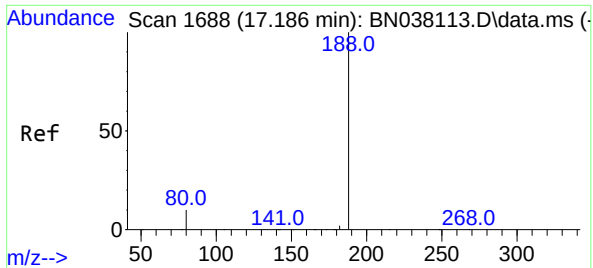
Tgt Ion:154 Resp: 19697
Ion Ratio Lower Upper
154 100
153 115.0 90.0 135.0
152 59.1 47.3 70.9



#18
Fluorene
Concen: 0.355 ng
RT: 15.489 min Scan# 1551
Delta R.T. -0.000 min
Lab File: BN038185.D
Acq: 12 Nov 2025 10:44

Tgt Ion:166 Resp: 26917
Ion Ratio Lower Upper
166 100
165 98.9 79.0 118.4
167 13.5 10.7 16.1





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 17.186 min Scan# 1

Delta R.T. -0.000 min

Lab File: BN038185.D

Acq: 12 Nov 2025 10:44

Instrument :

BNA_N

ClientSampleId :

PB170483BS

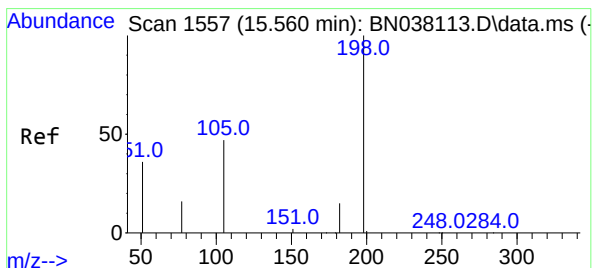
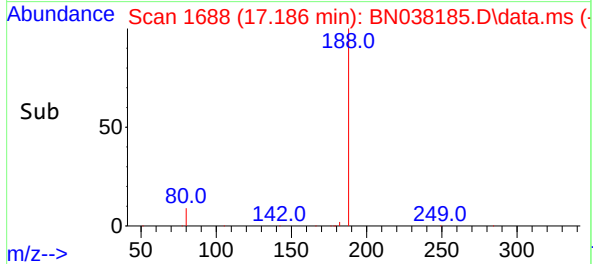
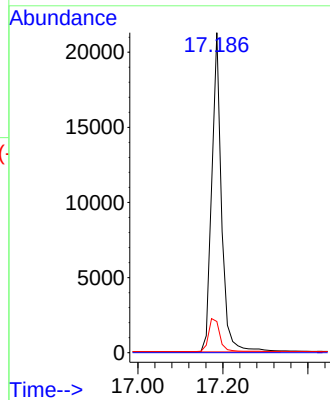
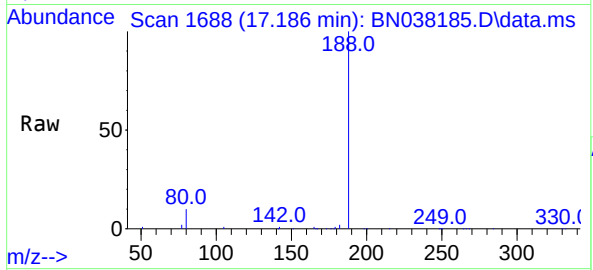
Tgt Ion:188 Resp: 33841

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

80 9.8 8.6 13.0



#20

4,6-Dinitro-2-methylphenol

Concen: 0.284 ng

RT: 15.572 min Scan# 1558

Delta R.T. 0.012 min

Lab File: BN038185.D

Acq: 12 Nov 2025 10:44

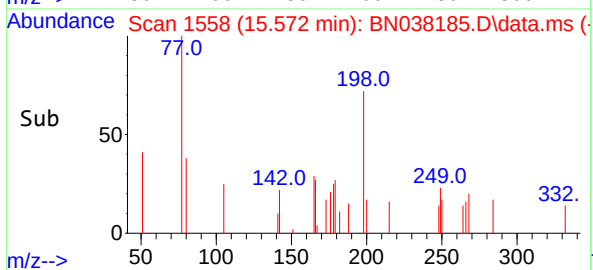
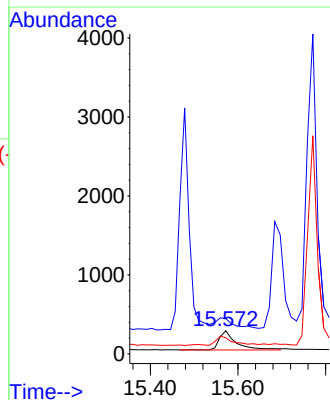
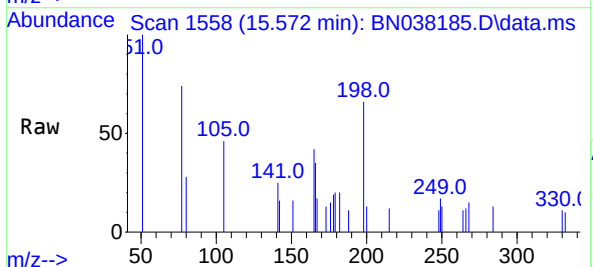
Tgt Ion:198 Resp: 646

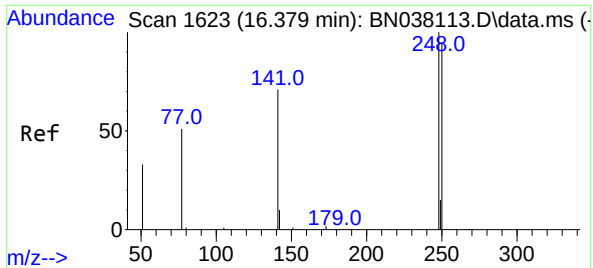
Ion Ratio Lower Upper

198 100

51 152.6 88.9 133.3#

105 69.6 49.2 73.8

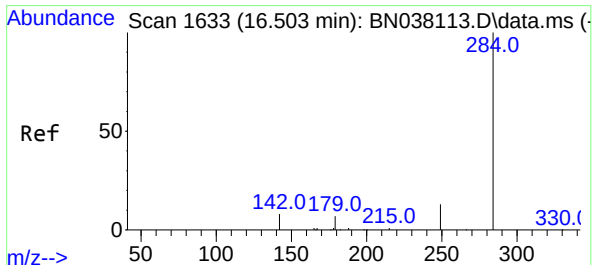
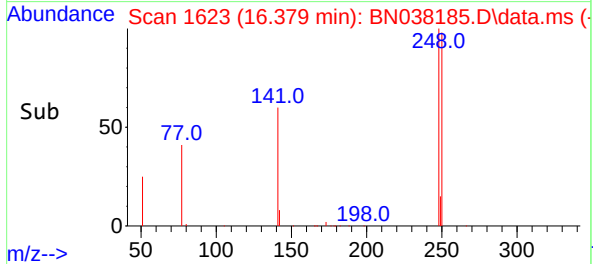
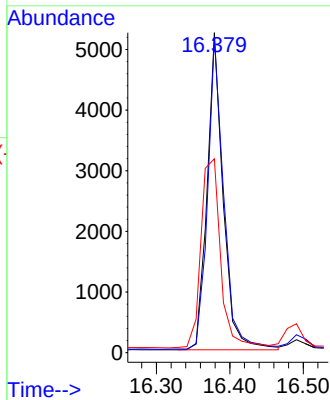
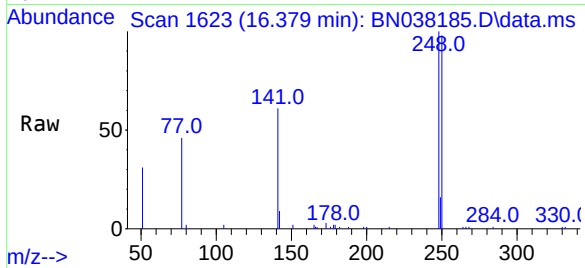




#21
4-Bromophenyl-phenylether
Concen: 0.357 ng
RT: 16.379 min Scan# 1623
Delta R.T. -0.000 min
Lab File: BN038185.D
Acq: 12 Nov 2025 10:44

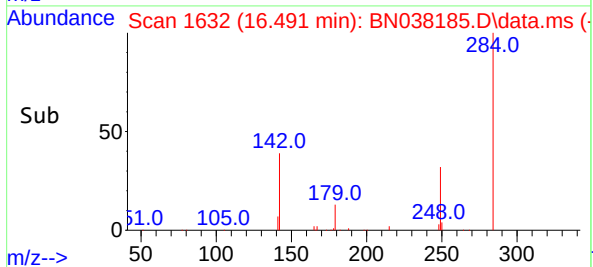
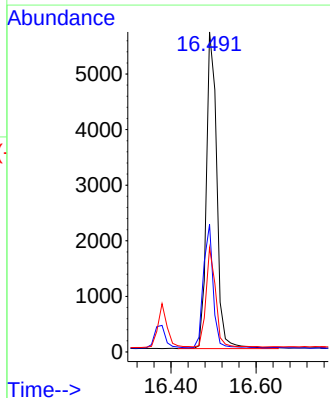
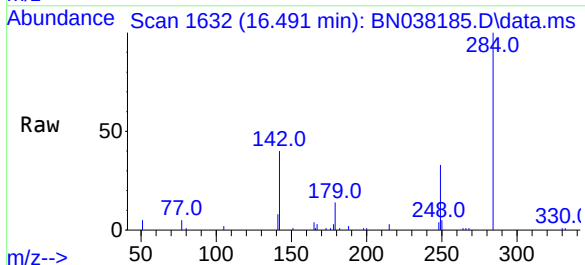
Instrument :
BNA_N
ClientSampleId :
PB170483BS

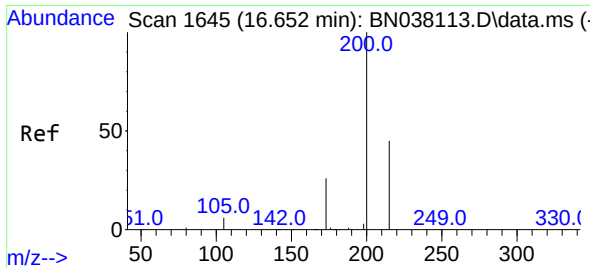
Tgt Ion	Ratio	Lower	Upper
248	100		
250	98.4	76.2	114.2
141	60.6	57.6	86.4



#22
Hexachlorobenzene
Concen: 0.384 ng
RT: 16.491 min Scan# 1632
Delta R.T. -0.012 min
Lab File: BN038185.D
Acq: 12 Nov 2025 10:44

Tgt Ion	Ratio	Lower	Upper
284	100		
142	36.5	30.5	45.7
249	28.7	23.5	35.3

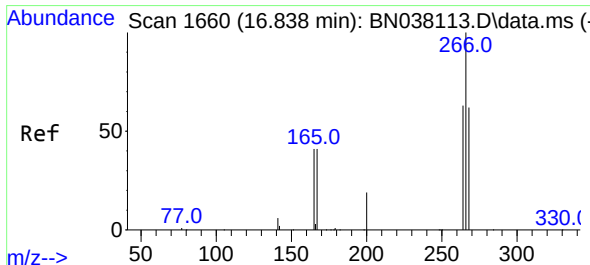
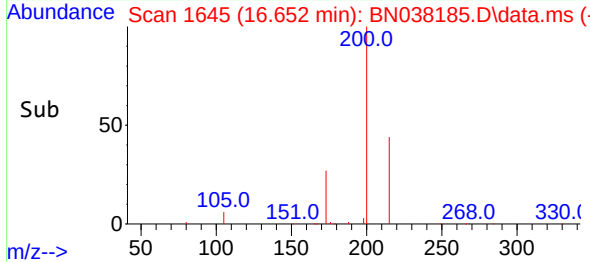
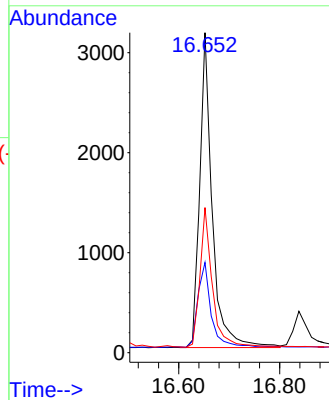
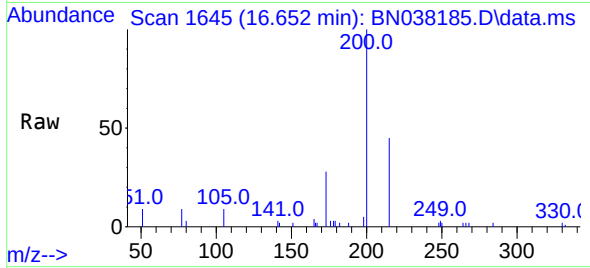




#23
Atrazine
Concen: 0.334 ng
RT: 16.652 min Scan# 1645
Delta R.T. -0.000 min
Lab File: BN038185.D
Acq: 12 Nov 2025 10:44

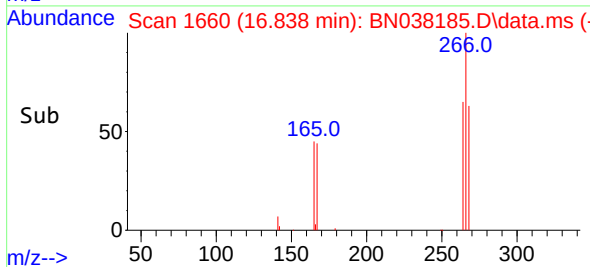
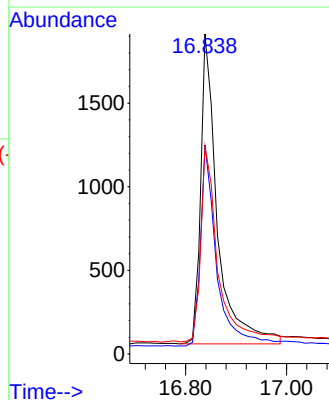
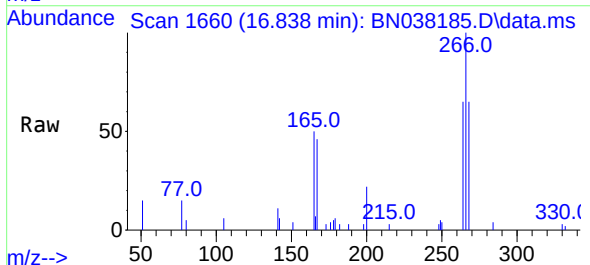
Instrument :
BNA_N
ClientSampleId :
PB170483BS

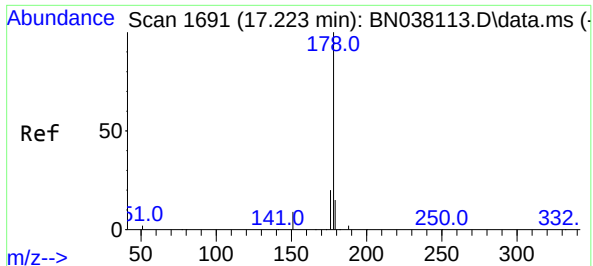
Tgt Ion:200 Resp: 5427
Ion Ratio Lower Upper
200 100
173 28.2 21.4 32.2
215 45.3 36.7 55.1



#24
Pentachlorophenol
Concen: 0.395 ng
RT: 16.838 min Scan# 1660
Delta R.T. -0.000 min
Lab File: BN038185.D
Acq: 12 Nov 2025 10:44

Tgt Ion:266 Resp: 4291
Ion Ratio Lower Upper
266 100
264 62.4 49.3 73.9
268 65.7 50.6 75.8

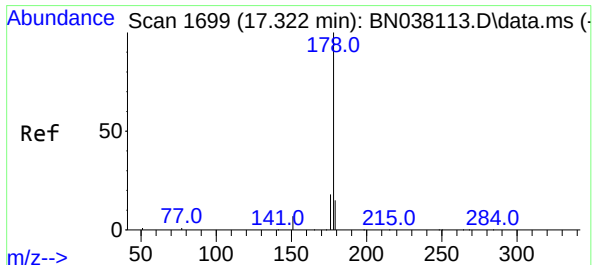
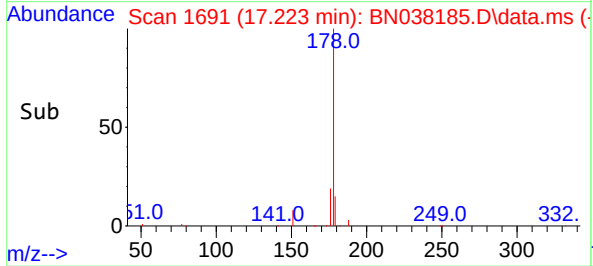
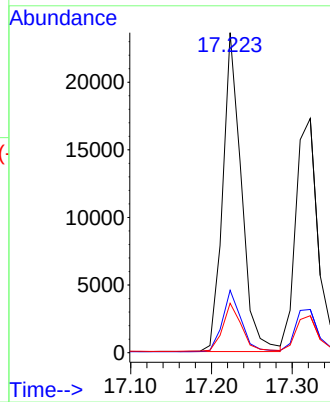
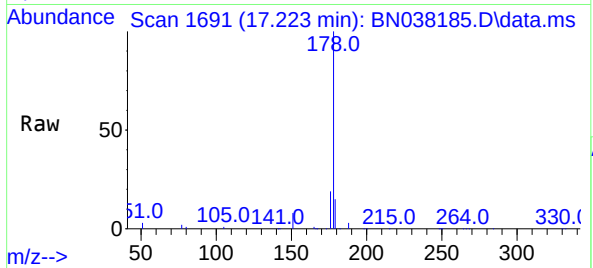




#25
Phenanthrene
Concen: 0.353 ng
RT: 17.223 min Scan# 1691
Delta R.T. -0.000 min
Lab File: BN038185.D
Acq: 12 Nov 2025 10:44

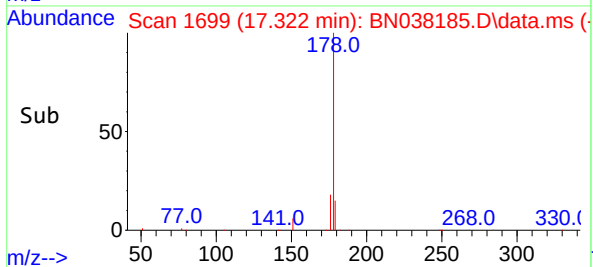
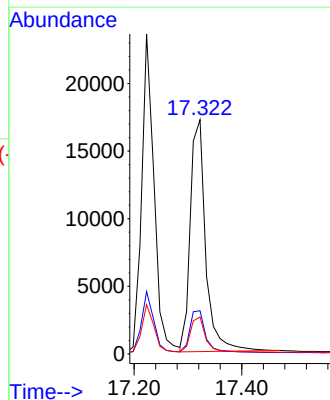
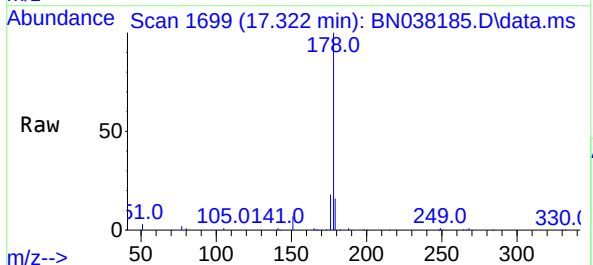
Instrument :
BNA_N
ClientSampleId :
PB170483BS

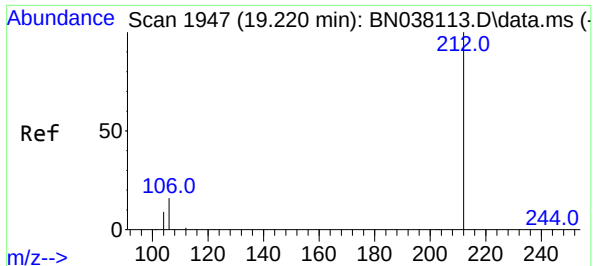
Tgt Ion:178 Resp: 37919
Ion Ratio Lower Upper
178 100
176 19.4 15.5 23.3
179 15.4 12.2 18.4



#26
Anthracene
Concen: 0.363 ng
RT: 17.322 min Scan# 1699
Delta R.T. -0.000 min
Lab File: BN038185.D
Acq: 12 Nov 2025 10:44

Tgt Ion:178 Resp: 34132
Ion Ratio Lower Upper
178 100
176 18.7 14.9 22.3
179 15.4 11.8 17.8

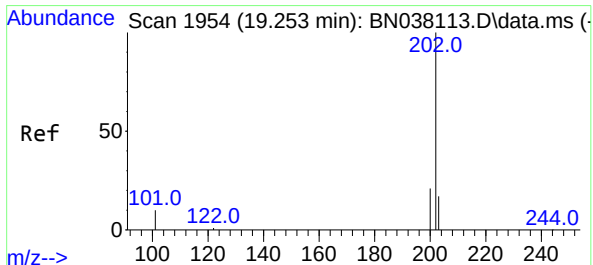
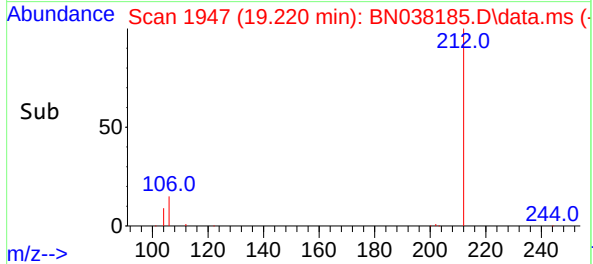
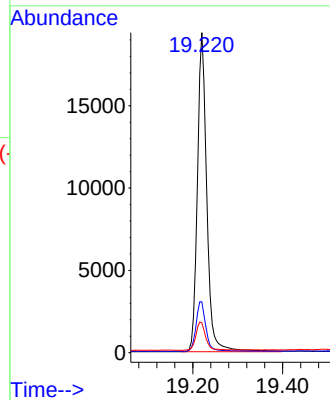
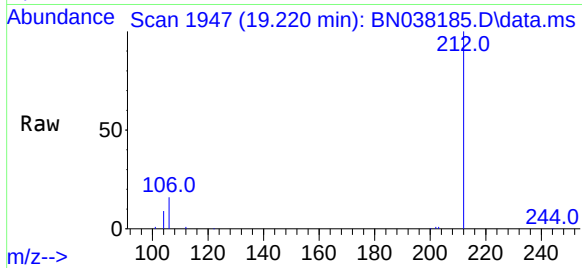




#27
Fluoranthene-d10
Concen: 0.331 ng
RT: 19.220 min Scan# 1947
Delta R.T. -0.000 min
Lab File: BN038185.D
Acq: 12 Nov 2025 10:44

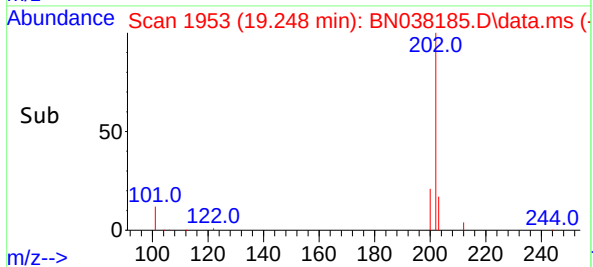
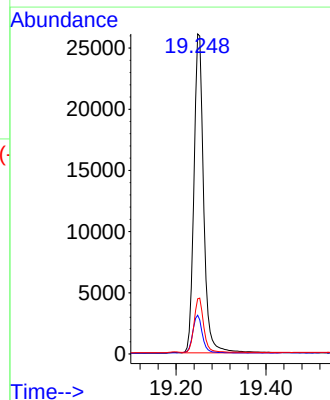
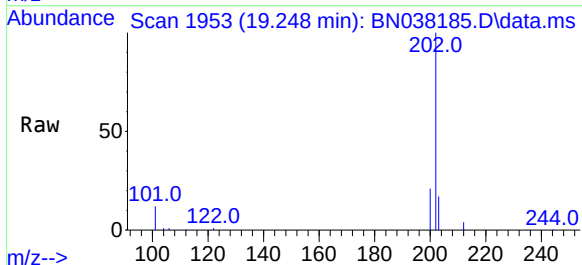
Instrument :
BNA_N
ClientSampleId :
PB170483BS

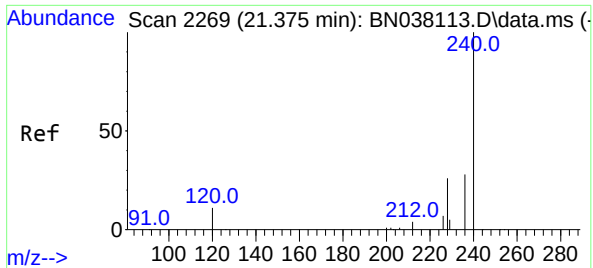
Tgt Ion:212 Resp: 28223
Ion Ratio Lower Upper
212 100
106 16.2 12.6 19.0
104 9.2 7.1 10.7



#28
Fluoranthene
Concen: 0.325 ng
RT: 19.248 min Scan# 1953
Delta R.T. -0.005 min
Lab File: BN038185.D
Acq: 12 Nov 2025 10:44

Tgt Ion:202 Resp: 39000
Ion Ratio Lower Upper
202 100
101 12.1 9.4 14.2
203 16.8 13.4 20.2

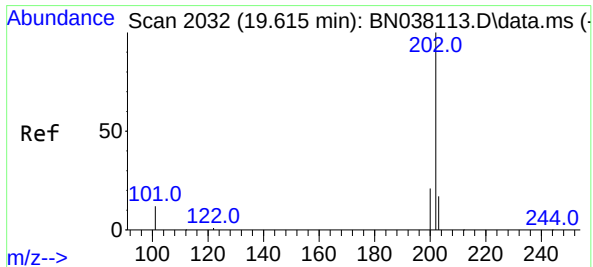
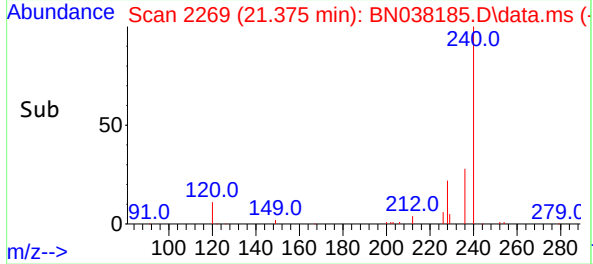
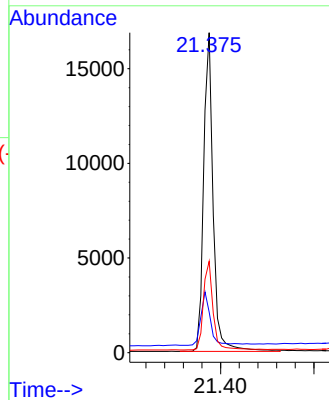
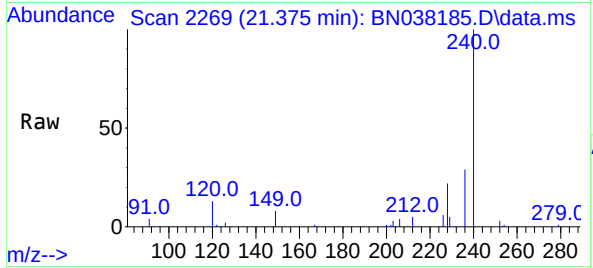




#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.375 min Scan# 21
Delta R.T. -0.000 min
Lab File: BN038185.D
Acq: 12 Nov 2025 10:44

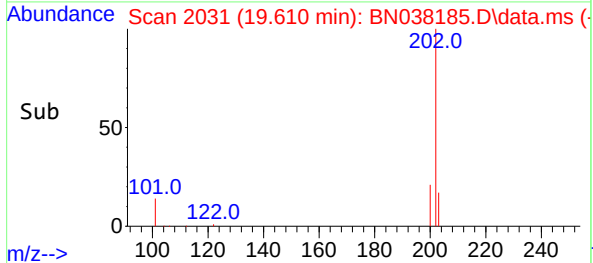
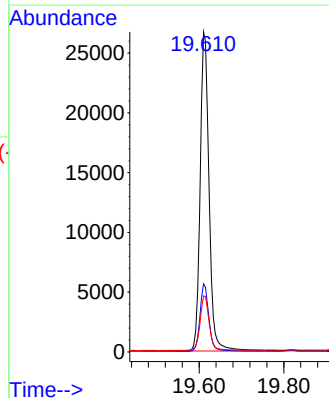
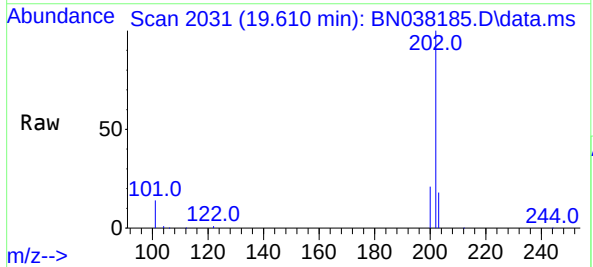
Instrument :
BNA_N
ClientSampleId :
PB170483BS

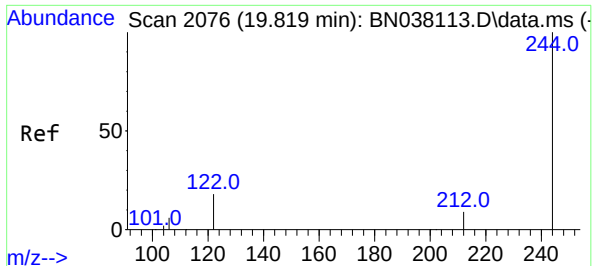
Tgt Ion:240 Resp: 23862
Ion Ratio Lower Upper
240 100
120 12.7 10.7 16.1
236 28.6 23.1 34.7



#30
Pyrene
Concen: 0.362 ng
RT: 19.610 min Scan# 2031
Delta R.T. -0.000 min
Lab File: BN038185.D
Acq: 12 Nov 2025 10:44

Tgt Ion:202 Resp: 38950
Ion Ratio Lower Upper
202 100
200 20.9 16.7 25.1
203 17.6 14.2 21.2

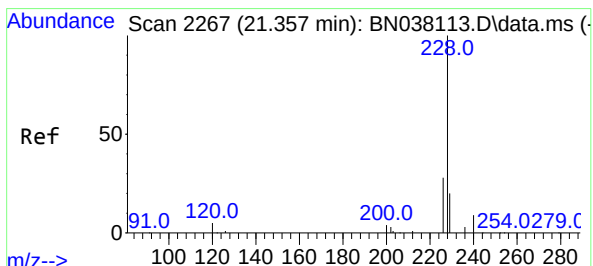
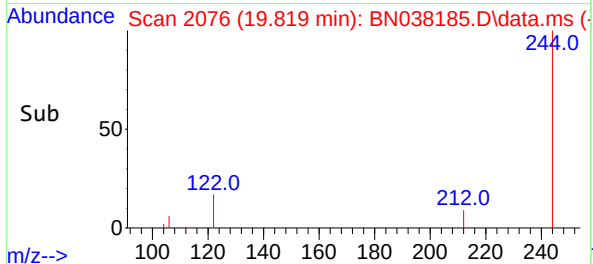
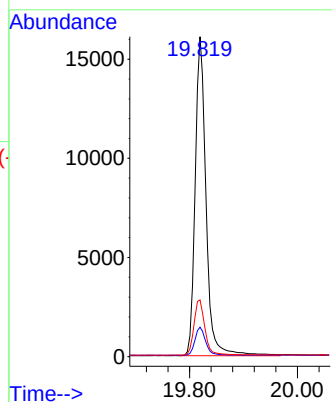
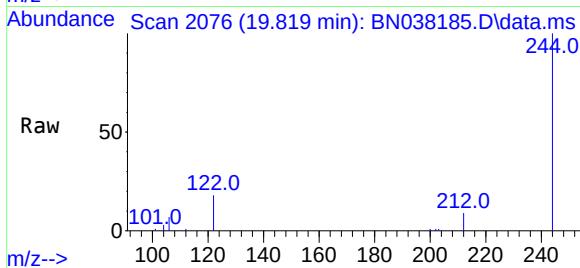




#31
Terphenyl-d14
Concen: 0.434 ng
RT: 19.819 min Scan# 2076
Delta R.T. -0.000 min
Lab File: BN038185.D
Acq: 12 Nov 2025 10:44

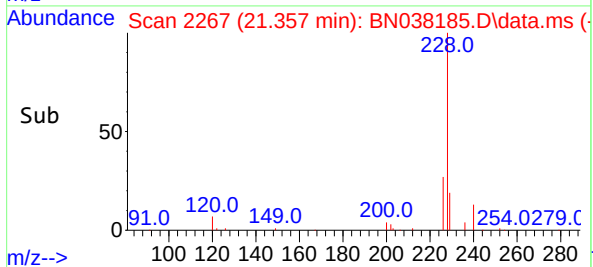
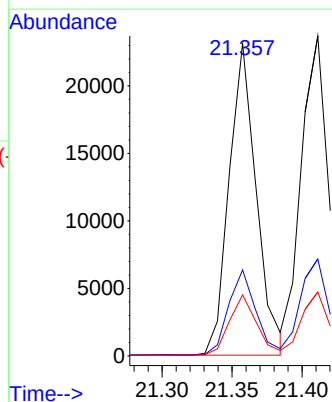
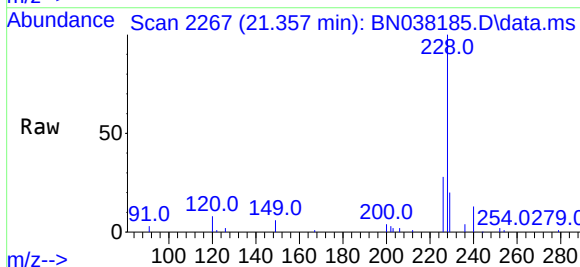
Instrument :
BNA_N
ClientSampleId :
PB170483BS

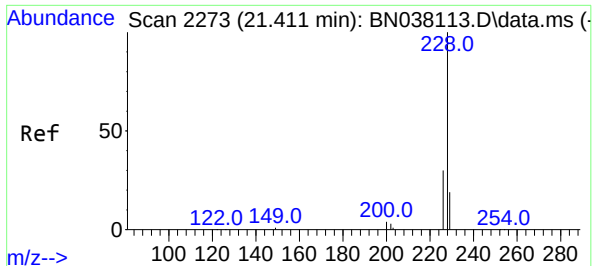
Tgt Ion:244 Resp: 22475
Ion Ratio Lower Upper
244 100
212 9.2 7.8 11.6
122 17.8 15.2 22.8



#32
Benzo(a)anthracene
Concen: 0.368 ng
RT: 21.357 min Scan# 2267
Delta R.T. -0.000 min
Lab File: BN038185.D
Acq: 12 Nov 2025 10:44

Tgt Ion:228 Resp: 31304
Ion Ratio Lower Upper
228 100
226 27.5 22.2 33.4
229 19.5 15.8 23.8

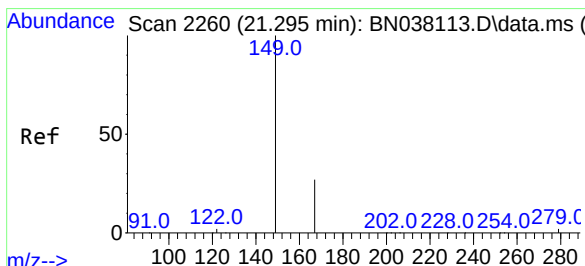
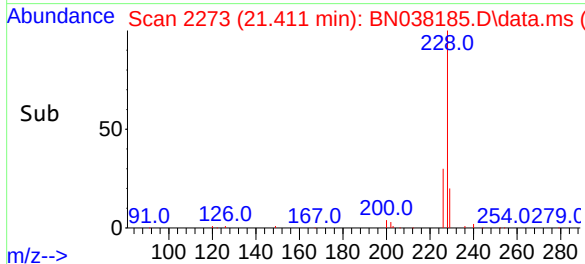
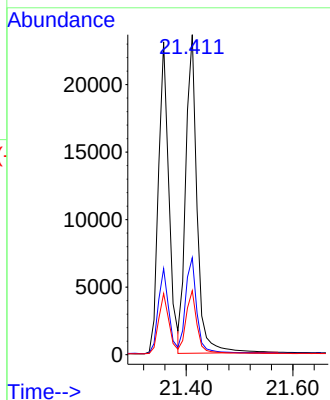
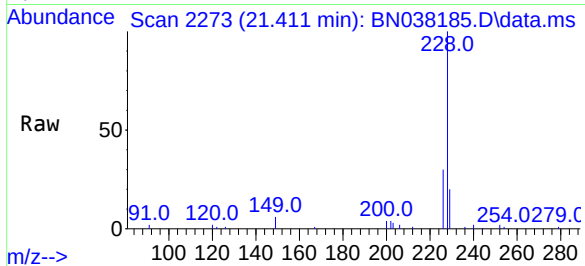




#33
Chrysene
Concen: 0.375 ng
RT: 21.411 min Scan# 21
Delta R.T. -0.000 min
Lab File: BN038185.D
Acq: 12 Nov 2025 10:44

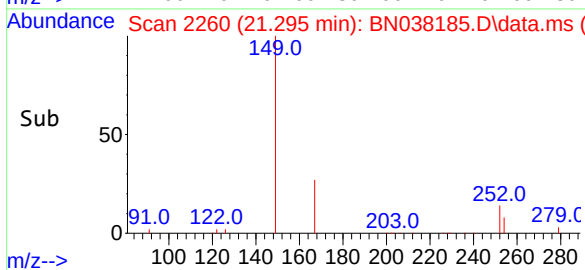
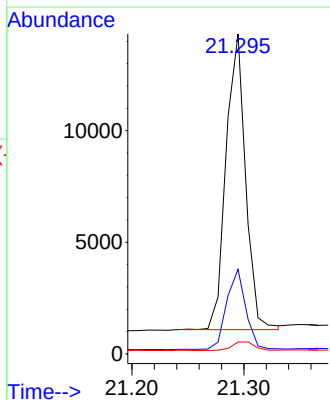
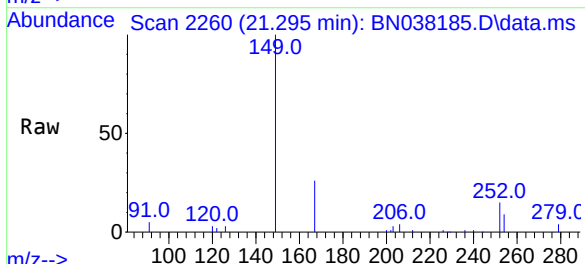
Instrument :
BNA_N
ClientSampleId :
PB170483BS

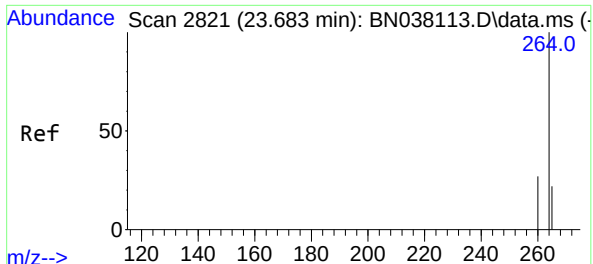
Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.3	24.3	36.5
229	20.0	15.7	23.5



#34
Bis(2-ethylhexyl)phthalate
Concen: 0.359 ng
RT: 21.295 min Scan# 2260
Delta R.T. -0.000 min
Lab File: BN038185.D
Acq: 12 Nov 2025 10:44

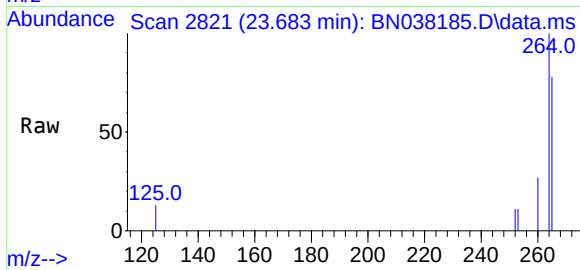
Tgt Ion	Ratio	Lower	Upper
149	100		
167	26.4	21.1	31.7
279	3.4	2.9	4.3



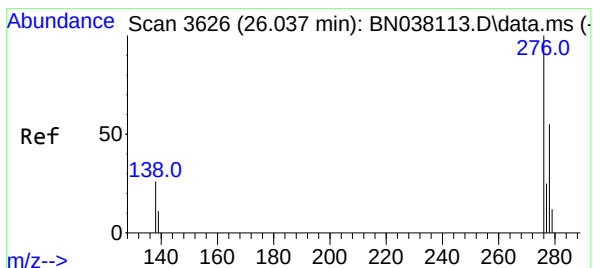
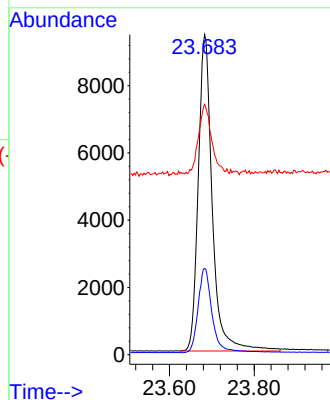


#35
Perylene-d12
Concen: 0.400 ng
RT: 23.683 min Scan# 21
Delta R.T. 0.003 min
Lab File: BN038185.D
Acq: 12 Nov 2025 10:44

Instrument :
BNA_N
ClientSampleId :
PB170483BS

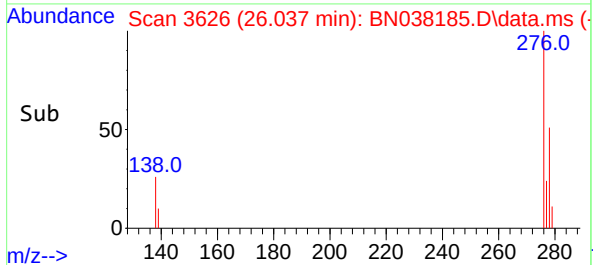
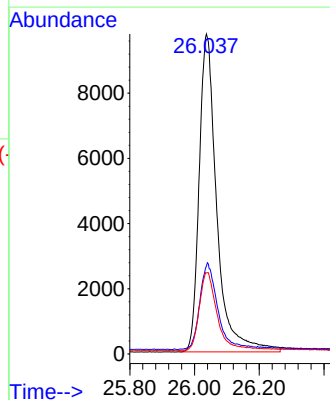
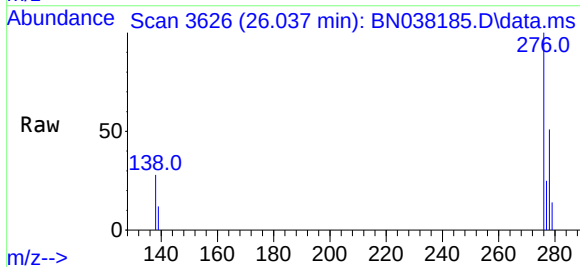


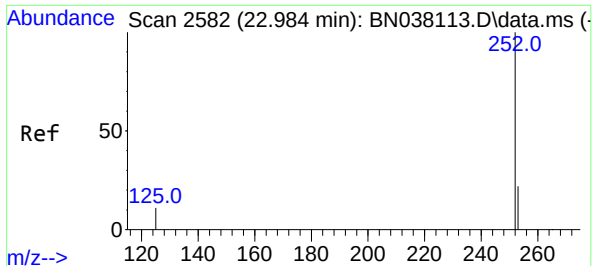
Tgt Ion:264 Resp: 21641
Ion Ratio Lower Upper
264 100
260 27.0 21.8 32.8
265 78.3 68.6 102.8



#36
Indeno(1,2,3-cd)pyrene
Concen: 0.416 ng
RT: 26.037 min Scan# 3626
Delta R.T. 0.003 min
Lab File: BN038185.D
Acq: 12 Nov 2025 10:44

Tgt Ion:276 Resp: 36958
Ion Ratio Lower Upper
276 100
138 27.4 21.4 32.0
277 24.3 19.2 28.8





#37

Benzo(b)fluoranthene

Concen: 0.342 ng

RT: 22.984 min Scan# 2582

Delta R.T. 0.003 min

Lab File: BN038185.D

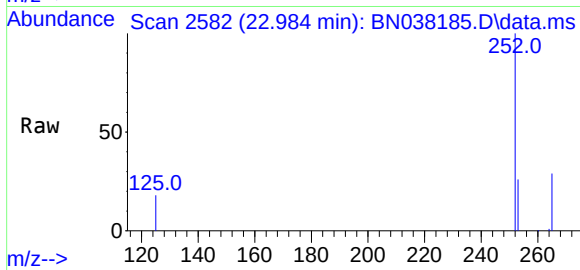
Acq: 12 Nov 2025 10:44

Instrument :

BNA_N

ClientSampleId :

PB170483BS



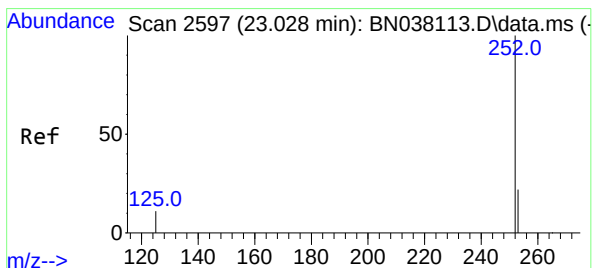
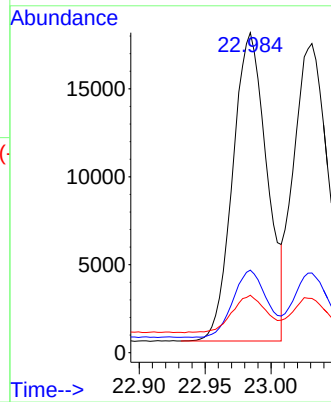
Tgt Ion:252 Resp: 31609

Ion Ratio Lower Upper

252 100

253 25.8 20.9 31.3

125 17.9 14.1 21.1



#38

Benzo(k)fluoranthene

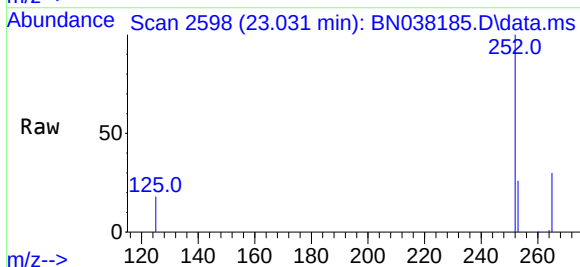
Concen: 0.358 ng

RT: 23.031 min Scan# 2598

Delta R.T. 0.003 min

Lab File: BN038185.D

Acq: 12 Nov 2025 10:44



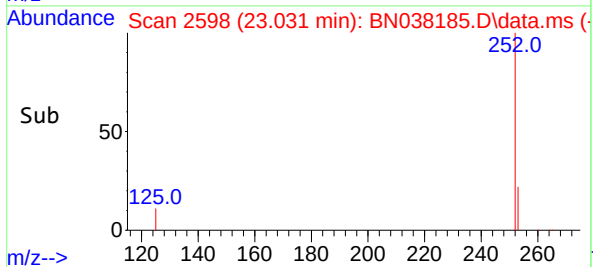
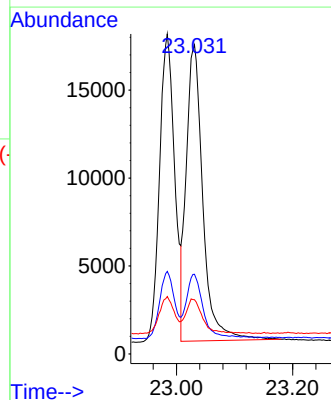
Tgt Ion:252 Resp: 33378

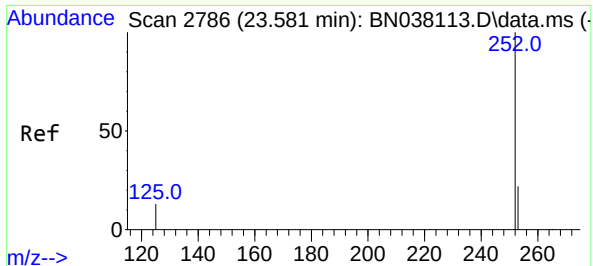
Ion Ratio Lower Upper

252 100

253 25.8 21.2 31.8

125 17.6 14.6 22.0





#39

Benzo(a)pyrene

Concen: 0.384 ng

RT: 23.581 min Scan# 21

Delta R.T. 0.003 min

Lab File: BN038185.D

Acq: 12 Nov 2025 10:44

Instrument :

BNA_N

ClientSampleId :

PB170483BS

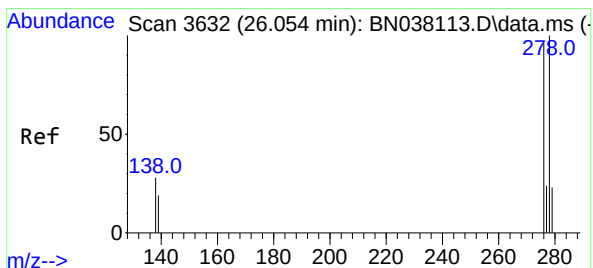
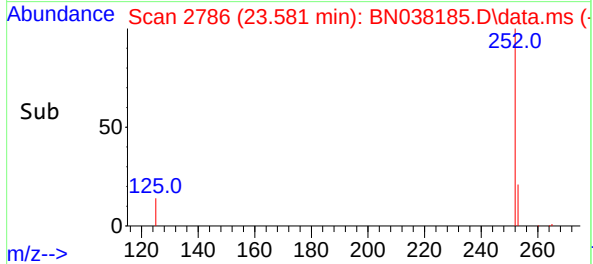
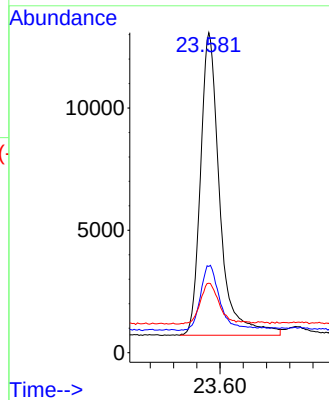
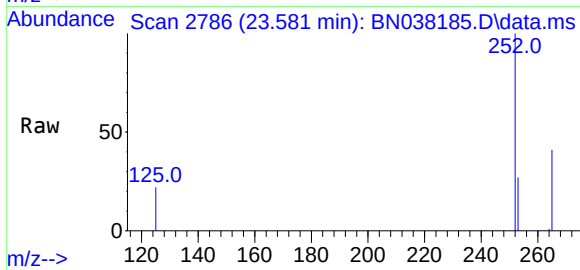
Tgt Ion:252 Resp: 28450

Ion Ratio Lower Upper

252 100

253 27.0 23.1 34.7

125 21.7 18.6 28.0



#40

Dibenzo(a,h)anthracene

Concen: 0.412 ng

RT: 26.054 min Scan# 3632

Delta R.T. 0.006 min

Lab File: BN038185.D

Acq: 12 Nov 2025 10:44

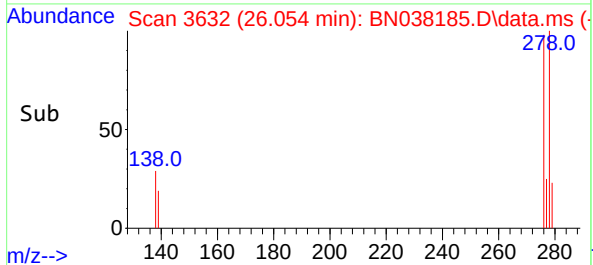
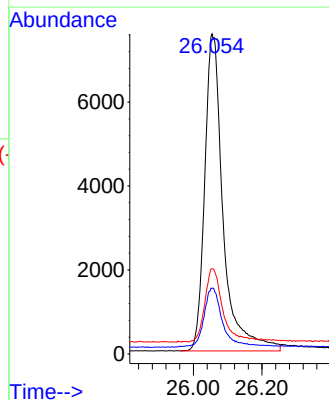
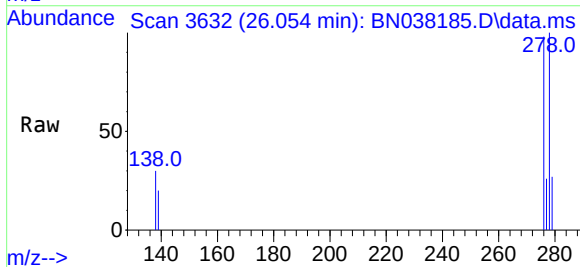
Tgt Ion:278 Resp: 28160

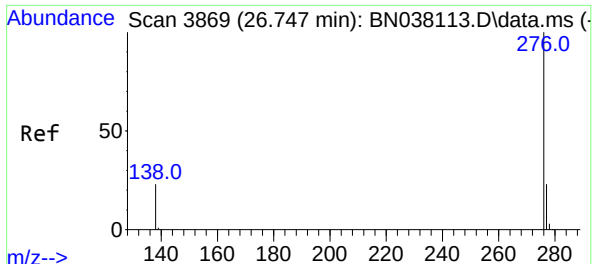
Ion Ratio Lower Upper

278 100

139 20.5 17.6 26.4

279 26.6 22.6 33.8





#41

Benzo(g,h,i)perylene

Concen: 0.402 ng

RT: 26.750 min Scan# 31

Delta R.T. -0.000 min

Lab File: BN038185.D

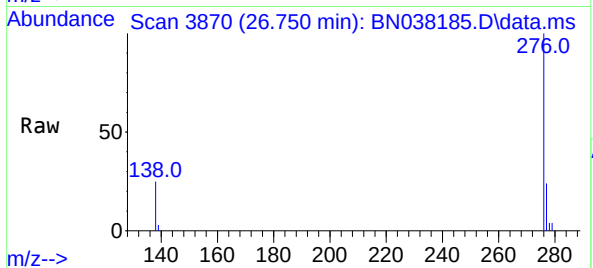
Acq: 12 Nov 2025 10:44

Instrument :

BNA_N

ClientSampleId :

PB170483BS



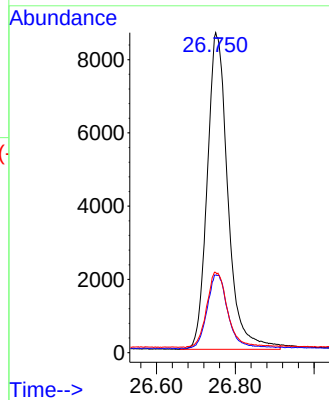
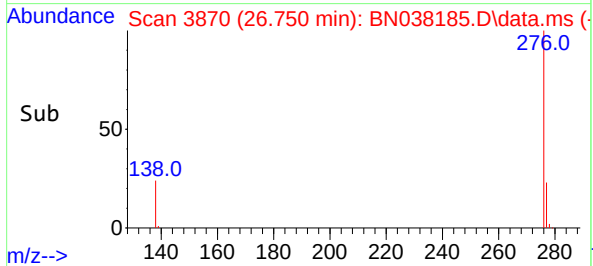
Tgt Ion:276 Resp: 31402

Ion Ratio Lower Upper

276 100

277 24.3 19.7 29.5

138 25.1 20.2 30.4





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

Report of Analysis

Client:	Remington & Vernick Engineers		Date Collected:	
Project:	Edison Landfill		Date Received:	
Client Sample ID:	PB170483BSD		SDG No.:	Q3569
Lab Sample ID:	PB170483BSD		Matrix:	Water
Analytical Method:	SW8270ESIM	Level: LOW	% Solid:	0
Sample Wt/Vol:	1000 mL	Final Vol: 1000 uL	Test:	SVOC-SIMGroup1
Prep Method :	3510C	Prep Date: 11/11/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
TARGETS									
123-91-1	1,4-Dioxane	0.31		1	0.070	0.20	ug/L	11/12/25 11:20	PB170483
SURROGATES									
7297-45-2	2-Methylnaphthalene-d10	0.37			30 (47) - 150 (106)	93%	SPK: 0.4		
93951-69-0	Fluoranthene-d10	0.28			30 (54) - 150 (157)	69%	SPK: 0.4		
4165-60-0	Nitrobenzene-d5	0.36			30 (56) - 130 (116)	90%	SPK: 0.4		
321-60-8	2-Fluorobiphenyl	0.38			30 (50) - 130 (126)	95%	SPK: 0.4		
1718-51-0	Terphenyl-d14	0.41			30 (54) - 130 (175)	101%	SPK: 0.4		
INTERNAL STANDARDS		Area Count							
3855-82-1	1,4-Dichlorobenzene-d4	9170							
1146-65-2	Naphthalene-d8	26200							
15067-26-2	Acenaphthene-d10	13500							
1517-22-2	Phenanthrene-d10	20300							
1719-03-5	Chrysene-d12	12100							
1520-96-3	Perylene-d12	12700							

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\BN111225\
 Data File : BN038186.D
 Acq On : 12 Nov 2025 11:20
 Operator : RC/JU
 Sample : PB170483BSD
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 PB170483BSD

Quant Time: Nov 12 11:44:15 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN102825.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Oct 29 13:09:46 2025
 Response via : Initial Calibration

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

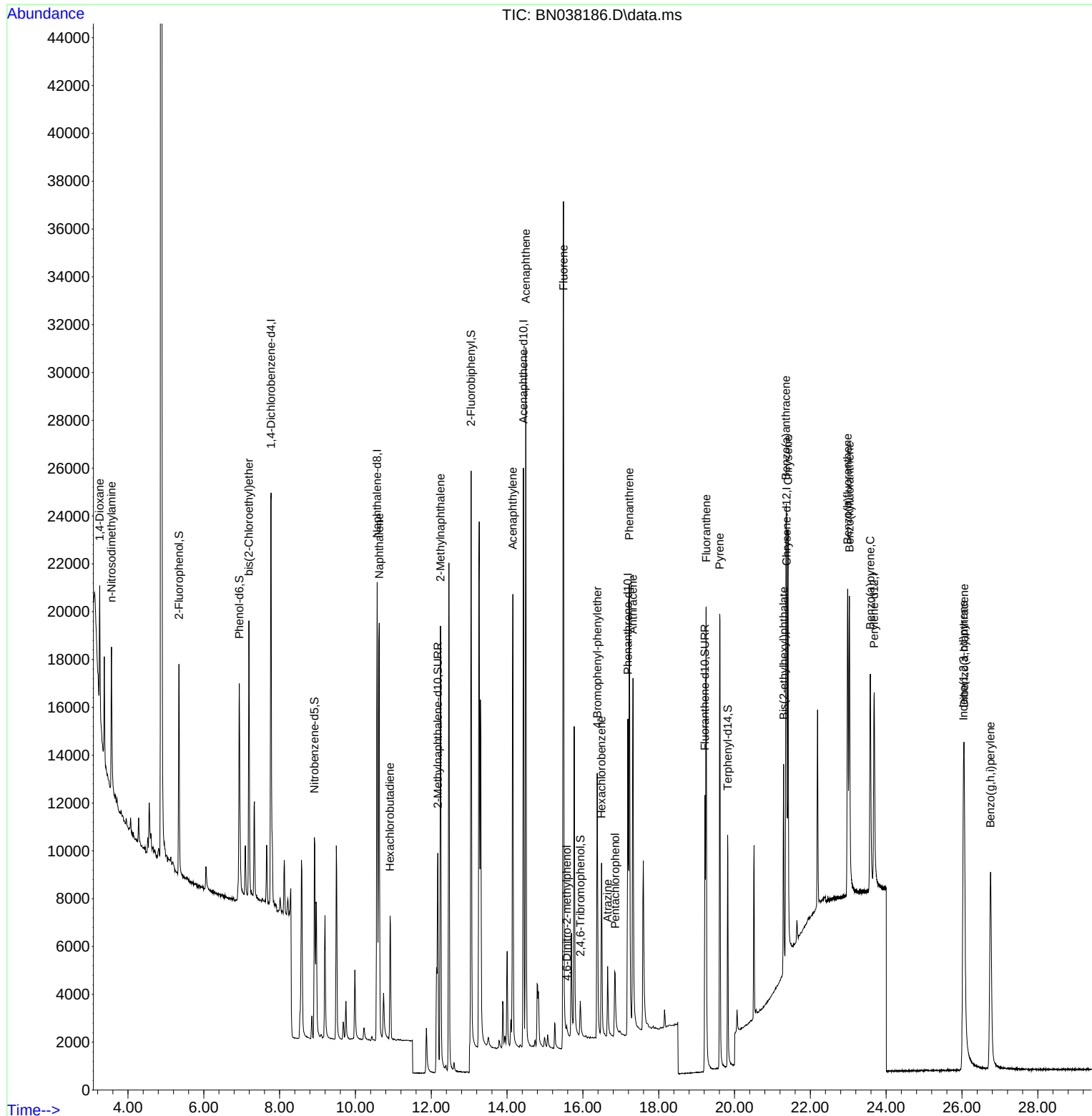
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.775	152	9171	0.400	ng	0.00
7) Naphthalene-d8	10.573	136	26214	0.400	ng	0.00
13) Acenaphthene-d10	14.430	164	13453	0.400	ng	0.00
19) Phenanthrene-d10	17.186	188	20310	0.400	ng	0.00
29) Chrysene-d12	21.375	240	12107	0.400	ng	0.00
35) Perylene-d12	23.683	264	12660	0.400	ng	# 0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.348	112	7806	0.361	ng	0.00
5) Phenol-d6	6.937	99	9239	0.351	ng	0.00
8) Nitrobenzene-d5	8.918	82	7662	0.362	ng	-0.01
11) 2-Methylnaphthalene-d10	12.172	152	13900	0.371	ng	0.00
14) 2,4,6-Tribromophenol	15.932	330	1151	0.208	ng	0.00
15) 2-Fluorobiphenyl	13.051	172	20428	0.379	ng	0.00
27) Fluoranthene-d10	19.220	212	14174	0.277	ng	0.00
31) Terphenyl-d14	19.819	244	10666	0.405	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	3.254	88	2929	0.309	ng	# 68
3) n-Nitrosodimethylamine	3.564	42	3880	0.318	ng	# 95
6) bis(2-Chloroethyl)ether	7.190	93	8931	0.345	ng	98
9) Naphthalene	10.626	128	24859	0.344	ng	100
10) Hexachlorobutadiene	10.915	225	4424	0.363	ng	# 98
12) 2-Methylnaphthalene	12.243	142	14646	0.304	ng	98
16) Acenaphthylene	14.152	152	22595	0.371	ng	100
17) Acenaphthene	14.495	154	14074	0.330	ng	98
18) Fluorene	15.489	166	18102	0.324	ng	100
20) 4,6-Dinitro-2-methylph...	15.572	198	378	0.281	ng	# 33
21) 4-Bromophenyl-phenylether	16.379	248	5083	0.382	ng	95
22) Hexachlorobenzene	16.491	284	6389	0.422	ng	98
23) Atrazine	16.652	200	2972	0.305	ng	96
24) Pentachlorophenol	16.851	266	2276	0.349	ng	98
25) Phenanthrene	17.223	178	22214	0.345	ng	100
26) Anthracene	17.322	178	20143	0.357	ng	99
28) Fluoranthene	19.253	202	19276	0.268	ng	100
30) Pyrene	19.610	202	19106	0.350	ng	100
32) Benzo(a)anthracene	21.358	228	14926	0.346	ng	100
33) Chrysene	21.411	228	17480	0.373	ng	99
34) Bis(2-ethylhexyl)phtha...	21.295	149	7077	0.311	ng	99
36) Indeno(1,2,3-cd)pyrene	26.040	276	22426	0.431	ng	99
37) Benzo(b)fluoranthene	22.984	252	17625	0.326	ng	# 92
38) Benzo(k)fluoranthene	23.031	252	18608	0.342	ng	# 94
39) Benzo(a)pyrene	23.581	252	16391	0.378	ng	93
40) Dibenzo(a,h)anthracene	26.057	278	17578	0.439	ng	99
41) Benzo(g,h,i)perylene	26.753	276	19756	0.432	ng	98

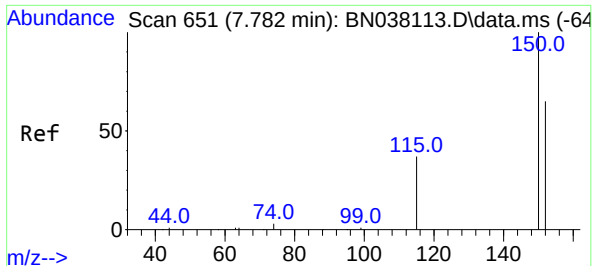
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN111225\
Data File : BN038186.D
Acq On : 12 Nov 2025 11:20
Operator : RC/JU
Sample : PB170483BSD
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
PB170483BSD

Quant Time: Nov 12 11:44:15 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN102825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Oct 29 13:09:46 2025
Response via : Initial Calibration

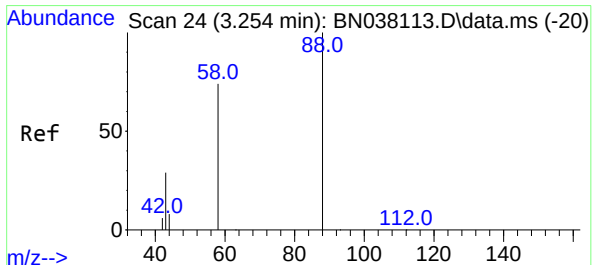
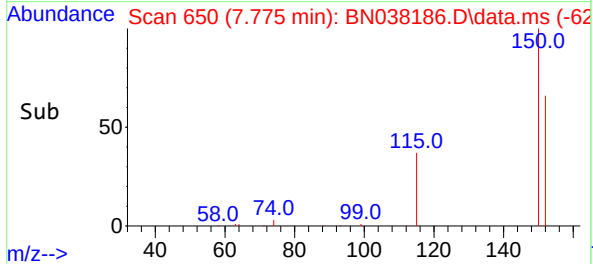
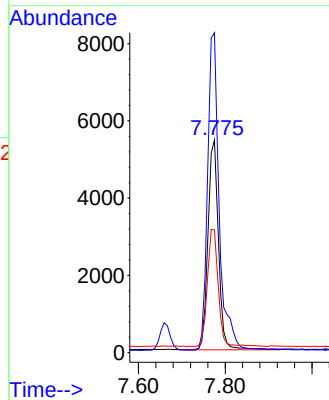
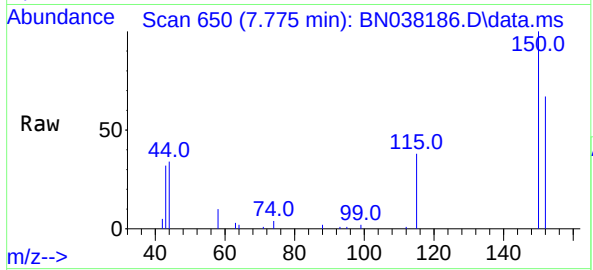




#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.775 min Scan# 61
Delta R.T. -0.000 min
Lab File: BN038186.D
Acq: 12 Nov 2025 11:20

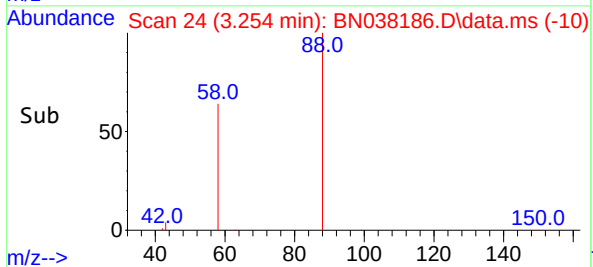
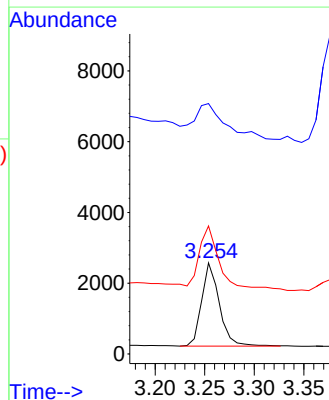
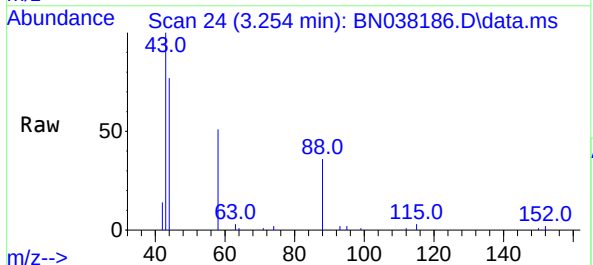
Instrument :
BNA_N
ClientSampleId :
PB170483BSD

Tgt Ion:152 Resp: 9171
Ion Ratio Lower Upper
152 100
150 150.4 122.3 183.5
115 57.7 47.4 71.0

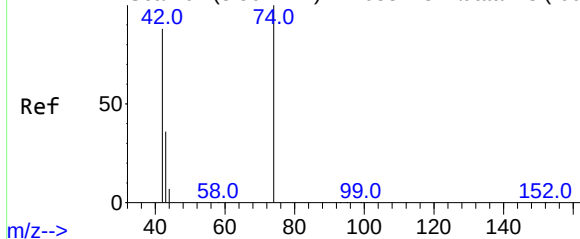


#2
1,4-Dioxane
Concen: 0.309 ng
RT: 3.254 min Scan# 24
Delta R.T. 0.000 min
Lab File: BN038186.D
Acq: 12 Nov 2025 11:20

Tgt Ion: 88 Resp: 2929
Ion Ratio Lower Upper
88 100
43 76.3 24.3 36.5#
58 84.6 60.4 90.6

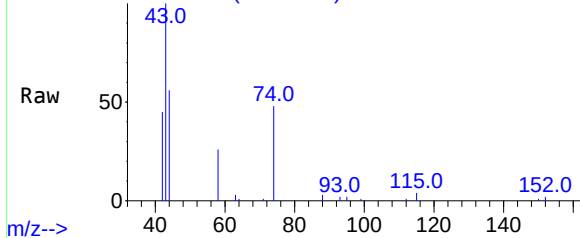


Abundance Scan 67 (3.564 min): BN038113.D\data.ms (-60)



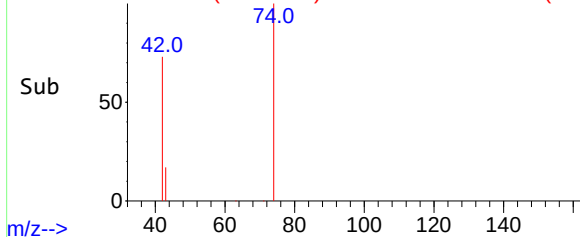
m/z-->

Abundance Scan 67 (3.564 min): BN038186.D\data.ms



m/z-->

Abundance Scan 67 (3.564 min): BN038186.D\data.ms (-45)



m/z-->

#3

n-Nitrosodimethylamine

Concen: 0.318 ng

RT: 3.564 min Scan# 61

Delta R.T. 0.007 min

Lab File: BN038186.D

Acq: 12 Nov 2025 11:20

Instrument :

BNA_N

ClientSampleId :

PB170483BSD

Tgt Ion: 42 Resp: 3880

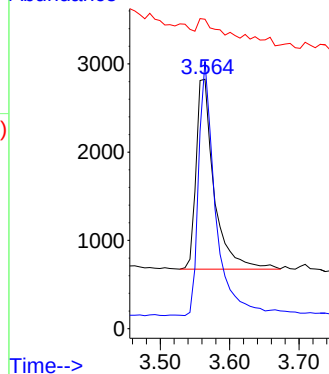
Ion Ratio Lower Upper

42 100

74 125.9 96.8 145.2

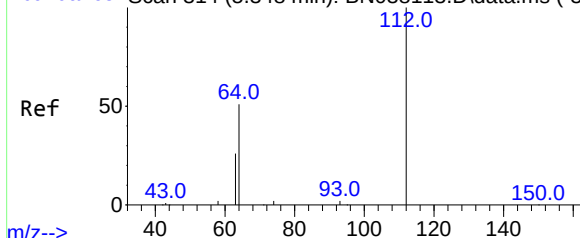
44 9.7 5.3 7.9#

Abundance



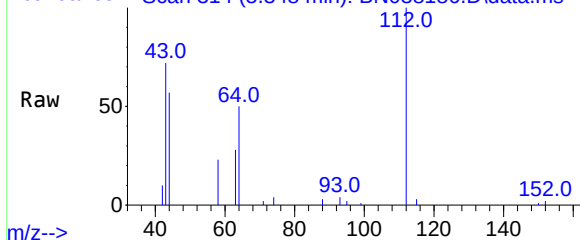
Time-->

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



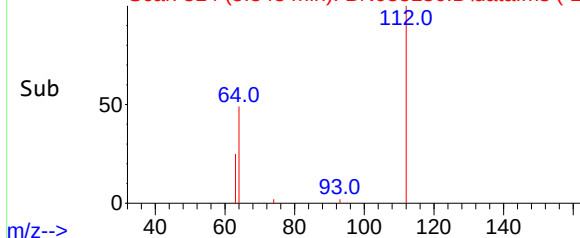
m/z-->

Abundance Scan 314 (5.348 min): BN038186.D\data.ms



m/z-->

Abundance Scan 314 (5.348 min): BN038186.D\data.ms (-28)



m/z-->

#4

2-Fluorophenol

Concen: 0.361 ng

RT: 5.348 min Scan# 314

Delta R.T. 0.000 min

Lab File: BN038186.D

Acq: 12 Nov 2025 11:20

Tgt Ion: 112 Resp: 7806

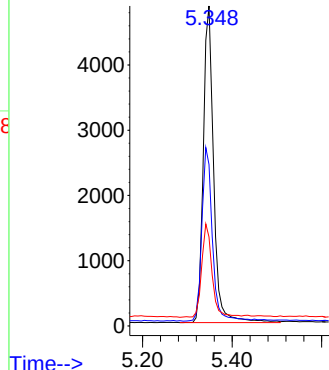
Ion Ratio Lower Upper

112 100

64 55.7 45.4 68.0

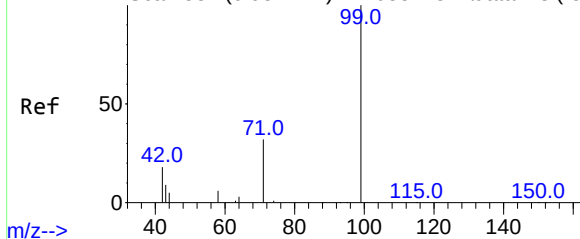
63 29.6 23.2 34.8

Abundance



Time-->

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



#5

Phenol-d6

Concen: 0.351 ng

RT: 6.937 min Scan# 51

Delta R.T. 0.000 min

Lab File: BN038186.D

Acq: 12 Nov 2025 11:20

Instrument :

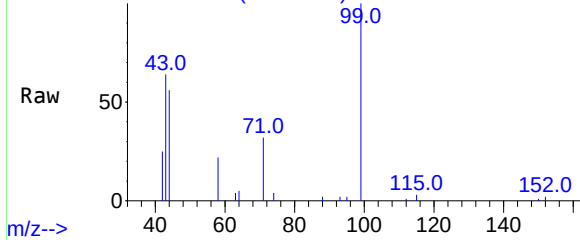
BNA_N

ClientSampleId :

PB170483BSD

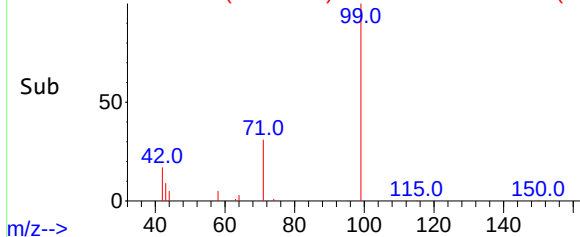
m/z-->

Abundance Scan 534 (6.937 min): BN038186.D\data.ms



m/z-->

Abundance Scan 534 (6.937 min): BN038186.D\data.ms (-50



m/z-->

Tgt Ion: 99 Resp: 9239

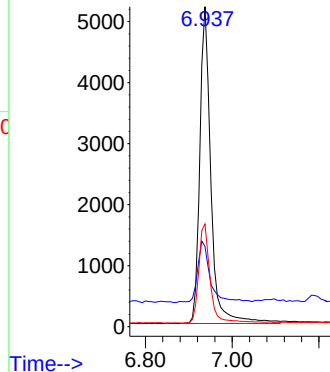
Ion Ratio Lower Upper

99 100

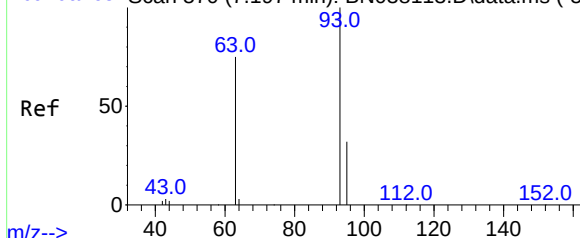
42 22.5 16.6 24.8

71 32.1 25.4 38.2

Abundance

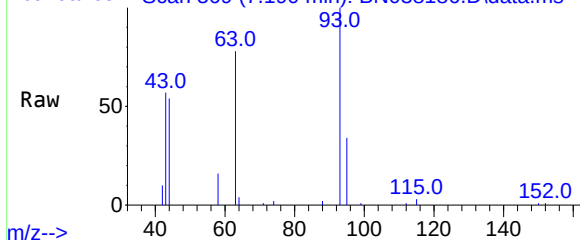


Abundance Scan 570 (7.197 min): BN038113.D\data.ms (-56



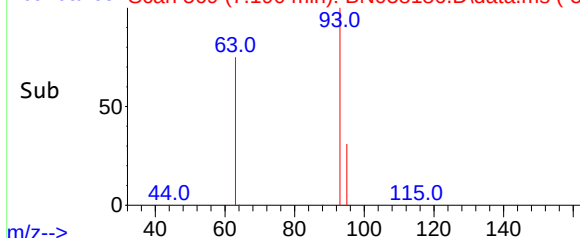
m/z-->

Abundance Scan 569 (7.190 min): BN038186.D\data.ms



m/z-->

Abundance Scan 569 (7.190 min): BN038186.D\data.ms (-53



m/z-->

#6

bis(2-Chloroethyl)ether

Concen: 0.345 ng

RT: 7.190 min Scan# 569

Delta R.T. -0.007 min

Lab File: BN038186.D

Acq: 12 Nov 2025 11:20

Tgt Ion: 93 Resp: 8931

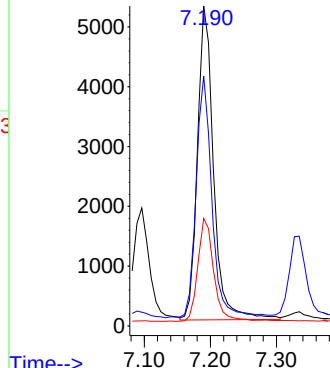
Ion Ratio Lower Upper

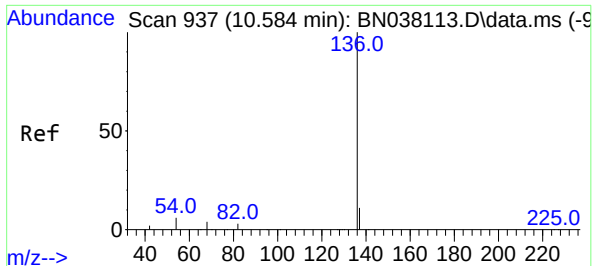
93 100

63 75.9 59.3 88.9

95 32.2 25.2 37.8

Abundance

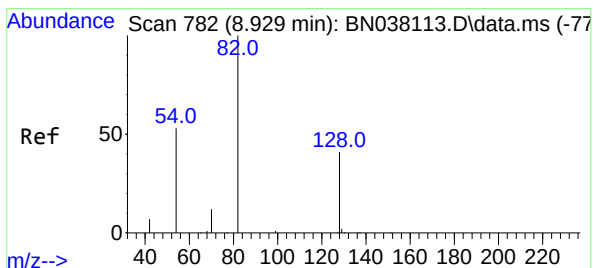
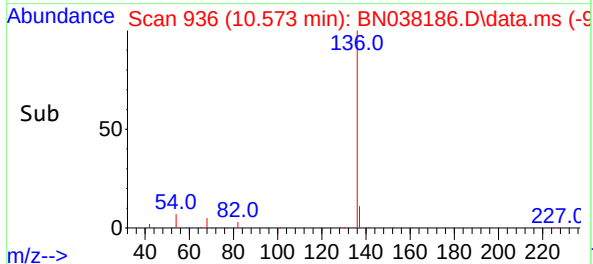
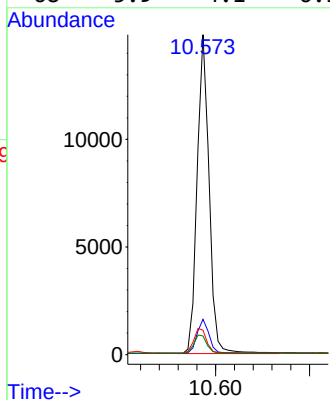
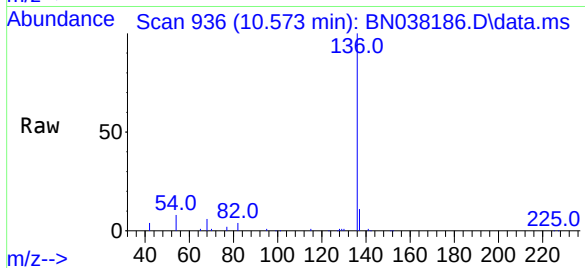




#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.573 min Scan# 91
Delta R.T. 0.000 min
Lab File: BN038186.D
Acq: 12 Nov 2025 11:20

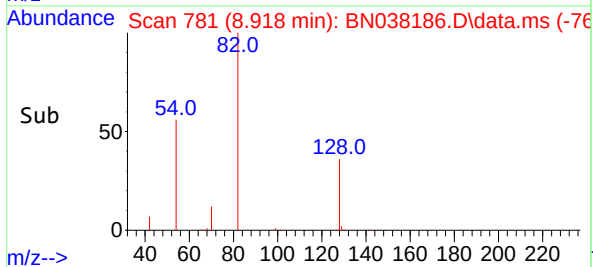
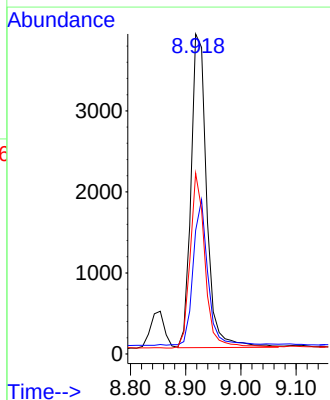
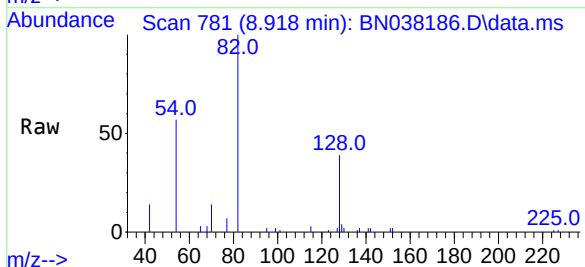
Instrument :
BNA_N
ClientSampleId :
PB170483BSD

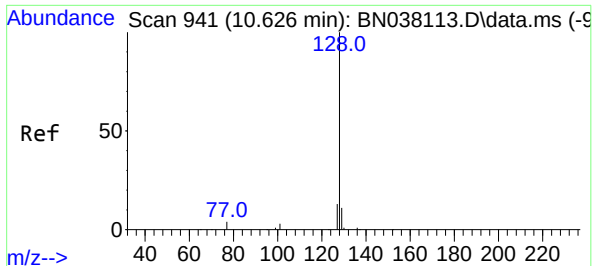
Tgt Ion:	136	Resp:	26214
Ion	Ratio	Lower	Upper
136	100		
137	11.0	9.0	13.4
54	7.7	5.2	7.8
68	5.9	4.1	6.1



#8
Nitrobenzene-d5
Concen: 0.362 ng
RT: 8.918 min Scan# 781
Delta R.T. -0.011 min
Lab File: BN038186.D
Acq: 12 Nov 2025 11:20

Tgt Ion:	82	Resp:	7662
Ion	Ratio	Lower	Upper
82	100		
128	38.6	34.1	51.1
54	56.5	43.5	65.3

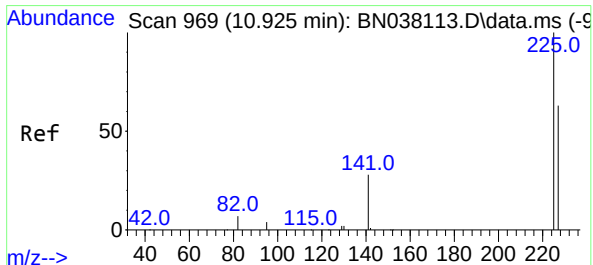
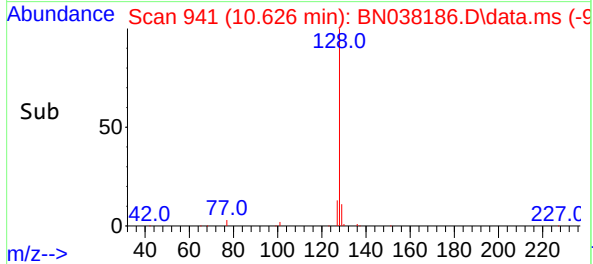
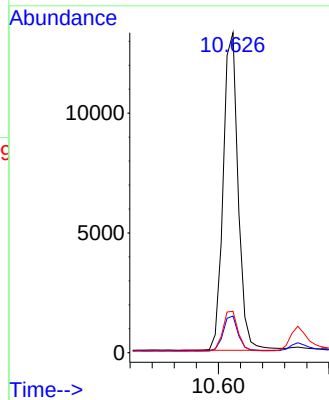
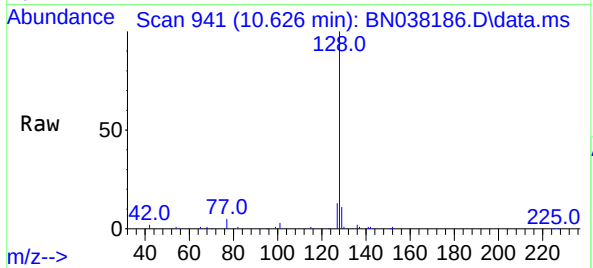




#9
Naphthalene
Concen: 0.344 ng
RT: 10.626 min Scan# 941
Delta R.T. 0.000 min
Lab File: BN038186.D
Acq: 12 Nov 2025 11:20

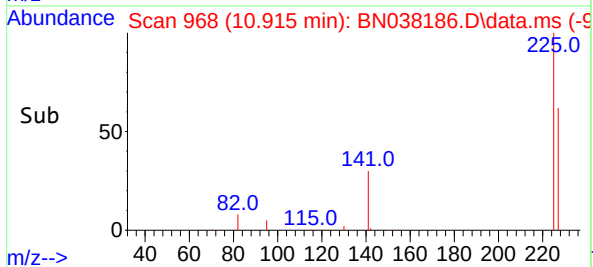
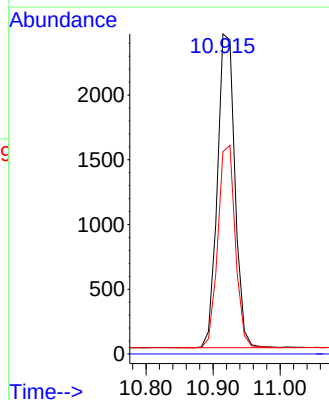
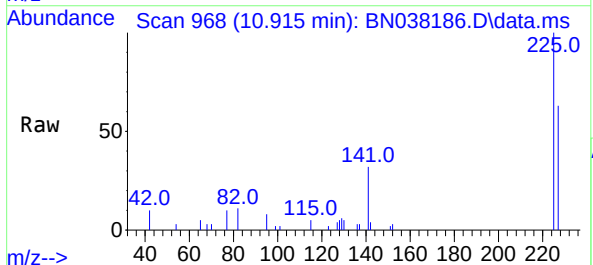
Instrument :
BNA_N
ClientSampleId :
PB170483BSD

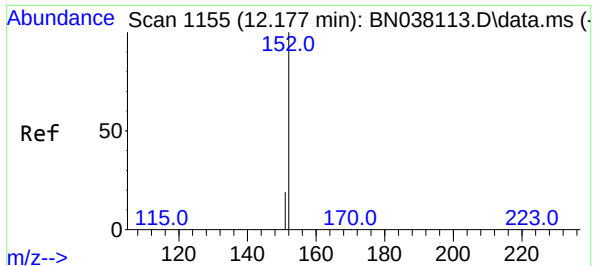
Tgt Ion:	128	Resp:	24859
Ion	Ratio	Lower	Upper
128	100		
129	11.5	9.1	13.7
127	13.0	10.5	15.7



#10
Hexachlorobutadiene
Concen: 0.363 ng
RT: 10.915 min Scan# 968
Delta R.T. -0.011 min
Lab File: BN038186.D
Acq: 12 Nov 2025 11:20

Tgt Ion:	225	Resp:	4424
Ion	Ratio	Lower	Upper
225	100		
223	0.0	0.0	0.0
227	64.2	50.3	75.5

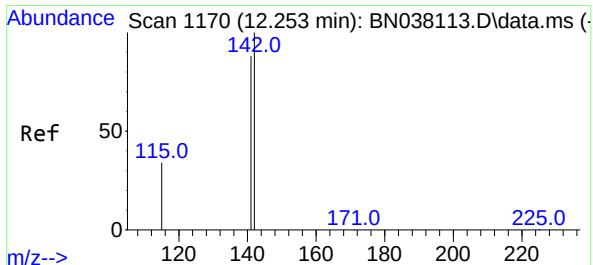
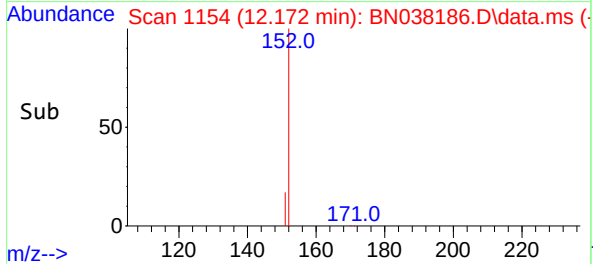
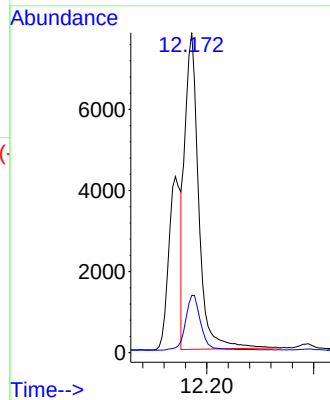
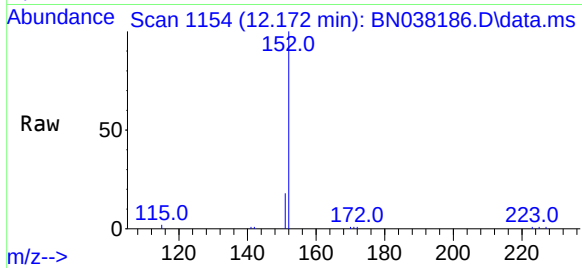




#11
2-Methylnaphthalene-d10
Concen: 0.371 ng
RT: 12.172 min Scan# 1154
Delta R.T. -0.005 min
Lab File: BN038186.D
Acq: 12 Nov 2025 11:20

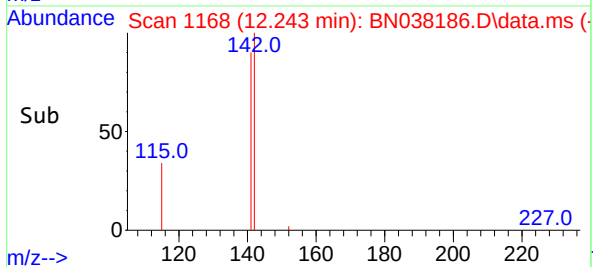
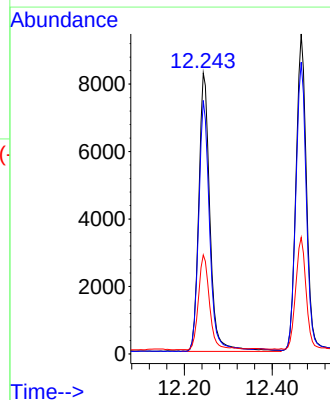
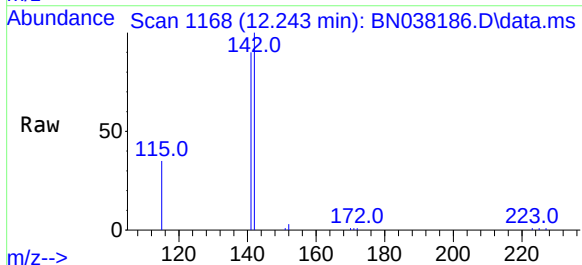
Instrument :
BNA_N
ClientSampleId :
PB170483BSD

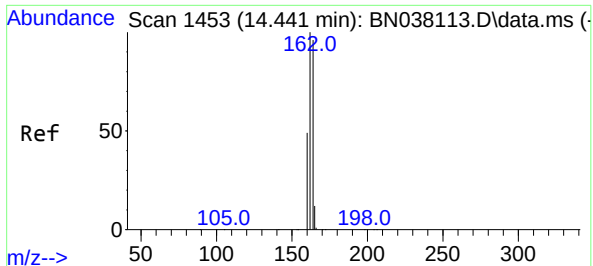
Tgt Ion:152 Resp: 13900
Ion Ratio Lower Upper
152 100
151 19.4 16.8 25.2



#12
2-Methylnaphthalene
Concen: 0.304 ng
RT: 12.243 min Scan# 1168
Delta R.T. -0.005 min
Lab File: BN038186.D
Acq: 12 Nov 2025 11:20

Tgt Ion:142 Resp: 14646
Ion Ratio Lower Upper
142 100
141 90.2 70.3 105.5
115 35.3 27.8 41.6

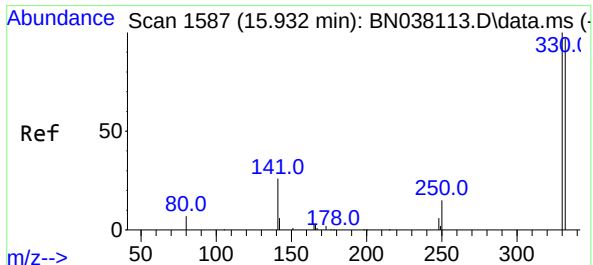
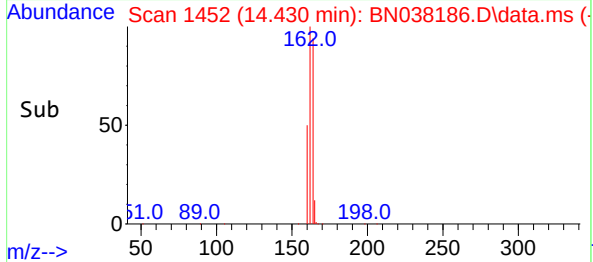
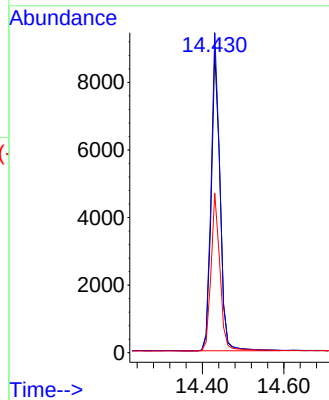
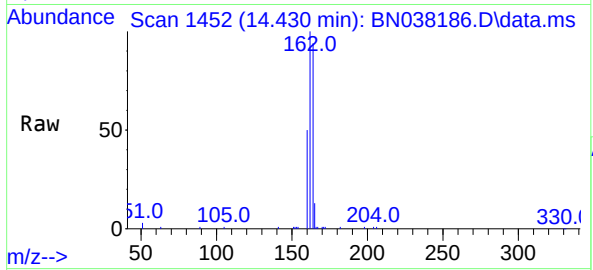




#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.430 min Scan# 1453
Delta R.T. 0.000 min
Lab File: BN038186.D
Acq: 12 Nov 2025 11:20

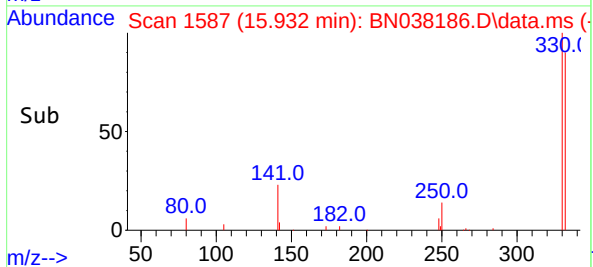
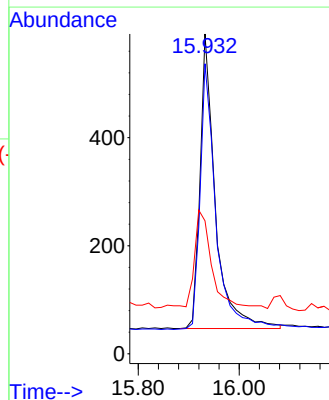
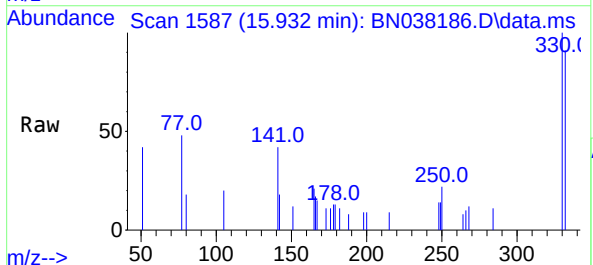
Instrument :
BNA_N
ClientSampleId :
PB170483BSD

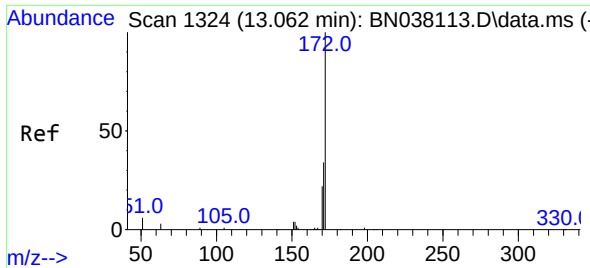
Tgt Ion:164 Resp: 13453
Ion Ratio Lower Upper
164 100
162 106.1 83.0 124.4
160 52.9 40.7 61.1



#14
2,4,6-Tribromophenol
Concen: 0.208 ng
RT: 15.932 min Scan# 1587
Delta R.T. 0.000 min
Lab File: BN038186.D
Acq: 12 Nov 2025 11:20

Tgt Ion:330 Resp: 1151
Ion Ratio Lower Upper
330 100
332 93.7 76.6 114.8
141 36.2 34.1 51.1

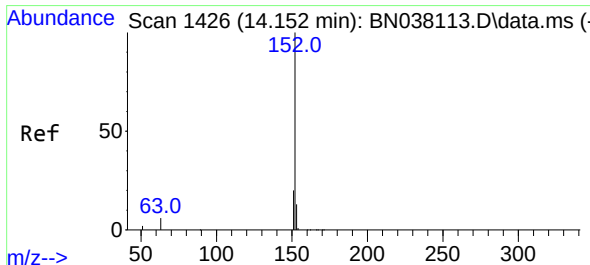
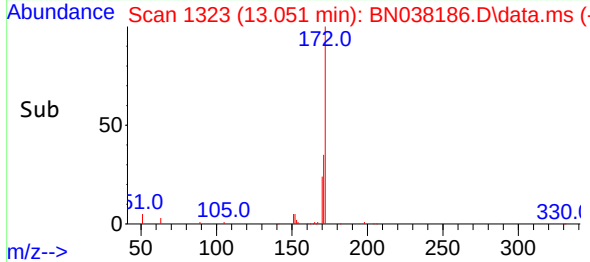
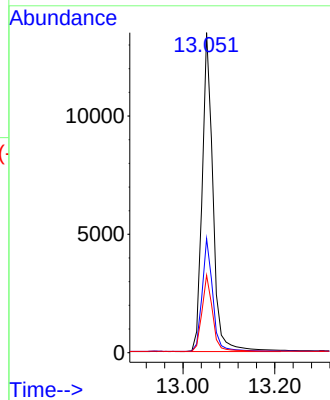
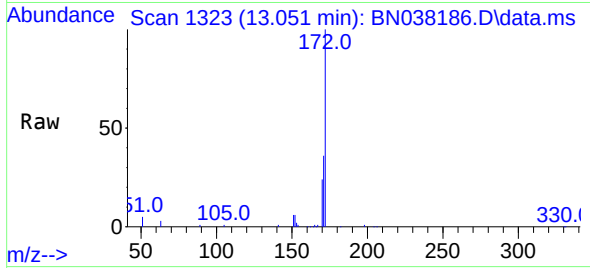




#15
2-Fluorobiphenyl
Concen: 0.379 ng
RT: 13.051 min Scan# 1323
Delta R.T. 0.000 min
Lab File: BN038186.D
Acq: 12 Nov 2025 11:20

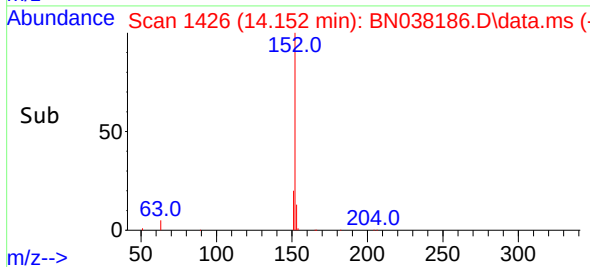
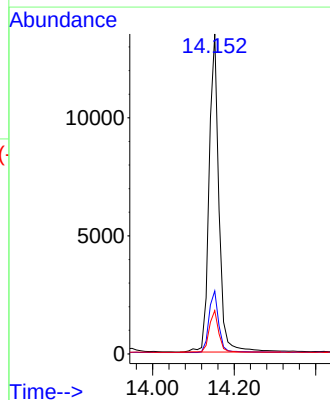
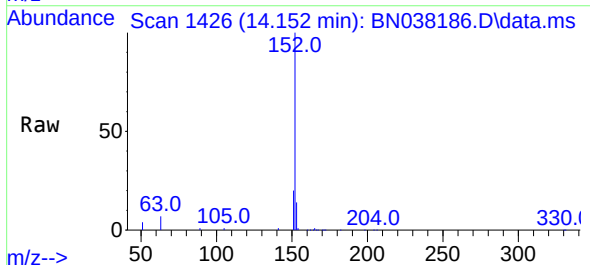
Instrument :
BNA_N
ClientSampleId :
PB170483BSD

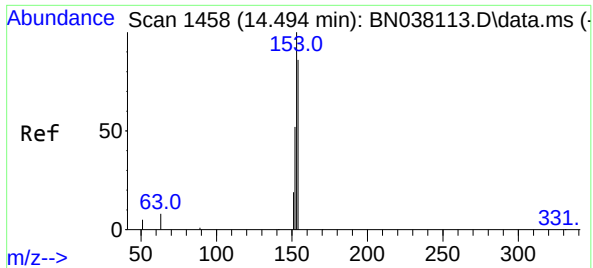
Tgt Ion:	172	Resp:	20428
Ion	Ratio	Lower	Upper
172	100		
171	35.7	27.8	41.6
170	24.2	18.1	27.1



#16
Acenaphthylene
Concen: 0.371 ng
RT: 14.152 min Scan# 1426
Delta R.T. 0.000 min
Lab File: BN038186.D
Acq: 12 Nov 2025 11:20

Tgt Ion:	152	Resp:	22595
Ion	Ratio	Lower	Upper
152	100		
151	19.7	15.8	23.8
153	12.9	10.2	15.2

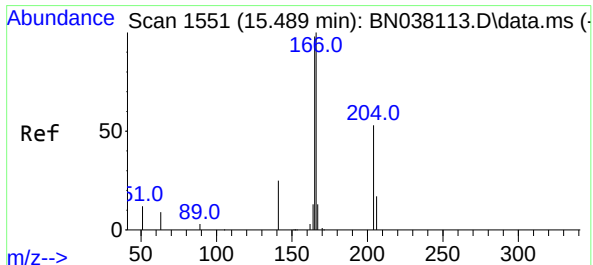
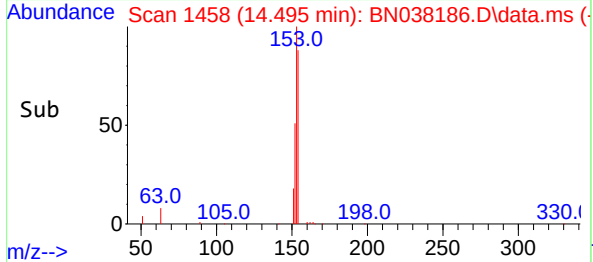
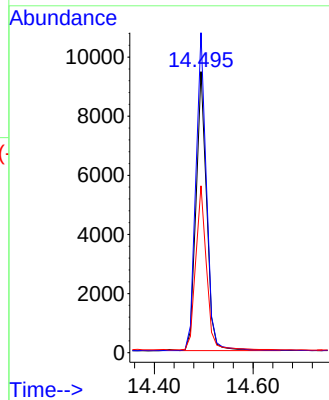
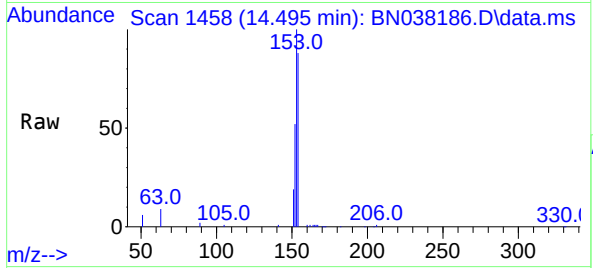




#17
Acenaphthene
Concen: 0.330 ng
RT: 14.495 min Scan# 1458
Delta R.T. 0.000 min
Lab File: BN038186.D
Acq: 12 Nov 2025 11:20

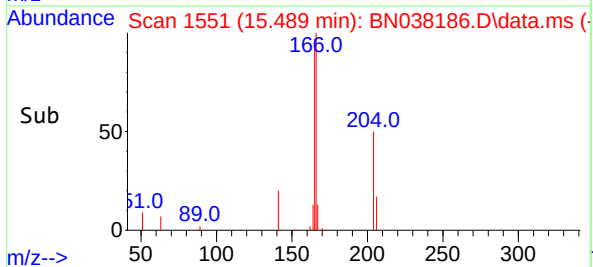
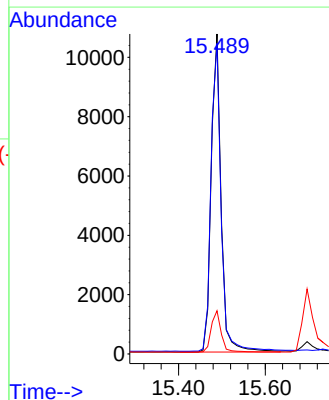
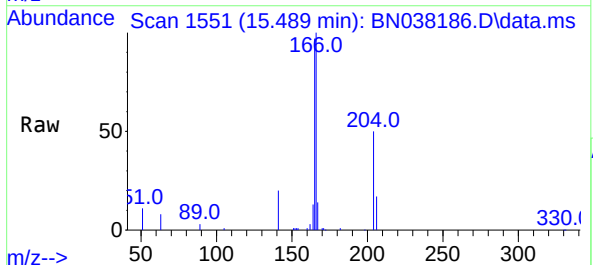
Instrument :
BNA_N
ClientSampleId :
PB170483BSD

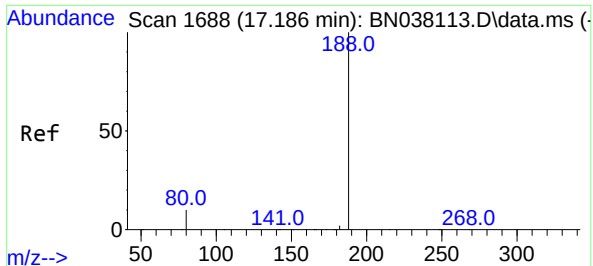
Tgt Ion:154 Resp: 14074
Ion Ratio Lower Upper
154 100
153 114.9 90.0 135.0
152 60.0 47.3 70.9



#18
Fluorene
Concen: 0.324 ng
RT: 15.489 min Scan# 1551
Delta R.T. -0.000 min
Lab File: BN038186.D
Acq: 12 Nov 2025 11:20

Tgt Ion:166 Resp: 18102
Ion Ratio Lower Upper
166 100
165 99.1 79.0 118.4
167 13.4 10.7 16.1





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 17.186 min Scan# 1

Delta R.T. 0.000 min

Lab File: BN038186.D

Acq: 12 Nov 2025 11:20

Instrument :

BNA_N

ClientSampleId :

PB170483BSD

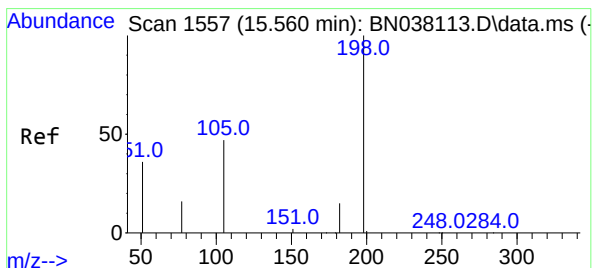
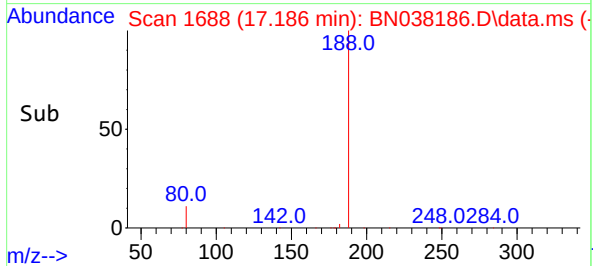
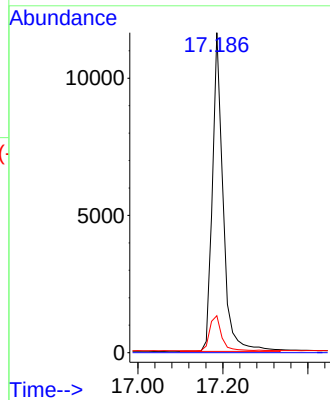
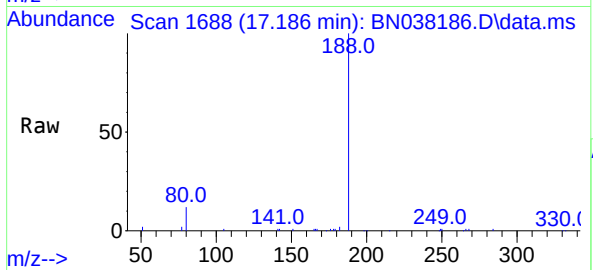
Tgt Ion:188 Resp: 20310

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

80 11.6 8.6 13.0



#20

4,6-Dinitro-2-methylphenol

Concen: 0.281 ng

RT: 15.572 min Scan# 1558

Delta R.T. 0.012 min

Lab File: BN038186.D

Acq: 12 Nov 2025 11:20

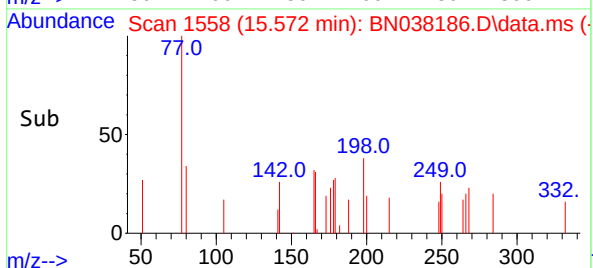
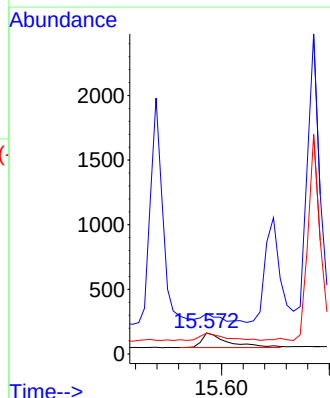
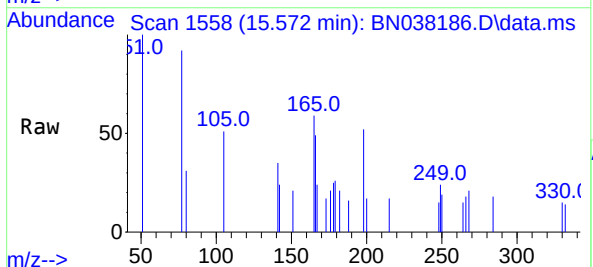
Tgt Ion:198 Resp: 378

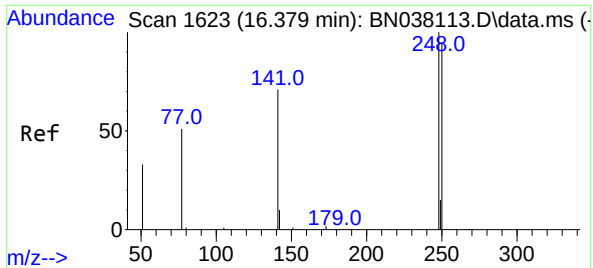
Ion Ratio Lower Upper

198 100

51 192.6 88.9 133.3#

105 98.8 49.2 73.8#

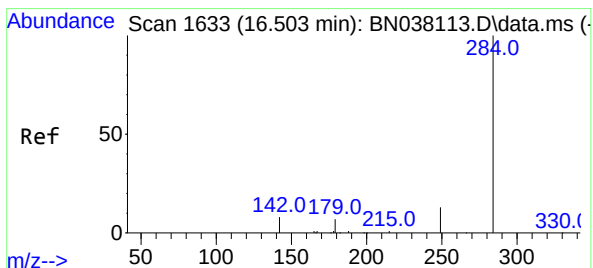
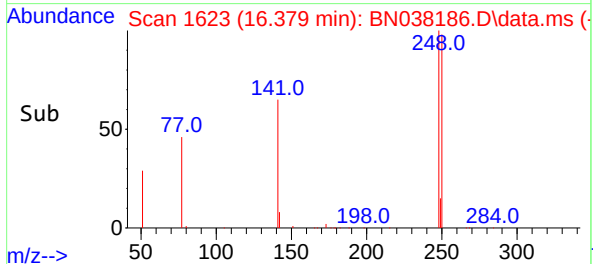
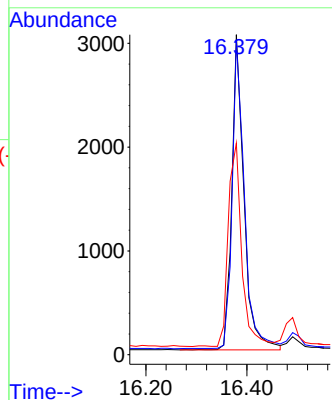
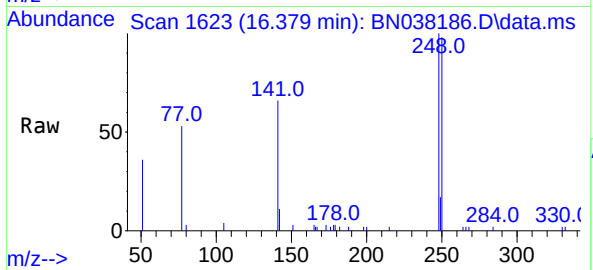




#21
4-Bromophenyl-phenylether
Concen: 0.382 ng
RT: 16.379 min Scan# 1632
Delta R.T. 0.000 min
Lab File: BN038186.D
Acq: 12 Nov 2025 11:20

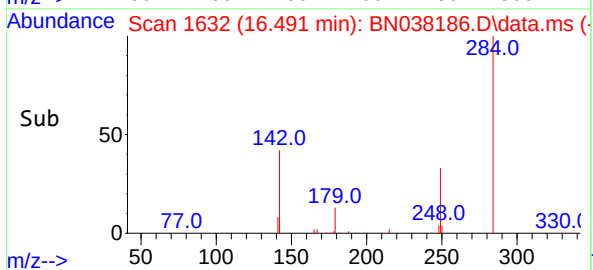
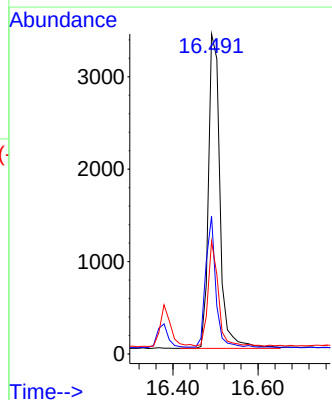
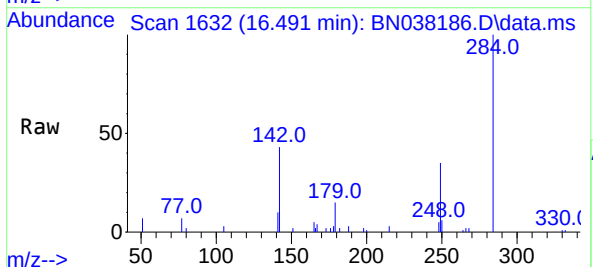
Instrument :
BNA_N
ClientSampleId :
PB170483BSD

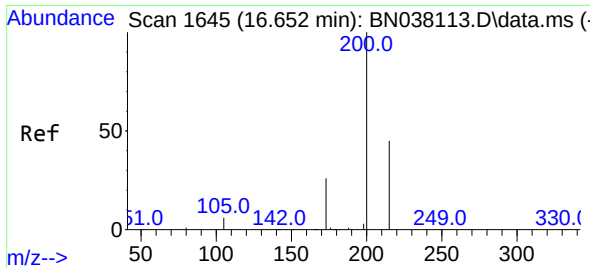
Tgt Ion:248 Resp: 5083
Ion Ratio Lower Upper
248 100
250 98.1 76.2 114.2
141 66.1 57.6 86.4



#22
Hexachlorobenzene
Concen: 0.422 ng
RT: 16.491 min Scan# 1632
Delta R.T. -0.012 min
Lab File: BN038186.D
Acq: 12 Nov 2025 11:20

Tgt Ion:284 Resp: 6389
Ion Ratio Lower Upper
284 100
142 36.6 30.5 45.7
249 30.0 23.5 35.3

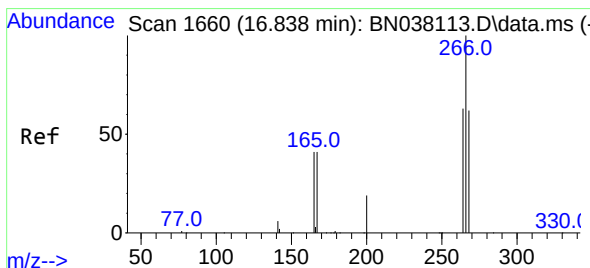
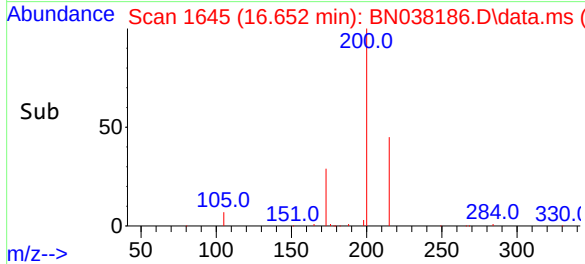
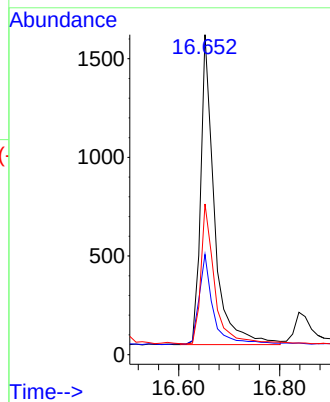
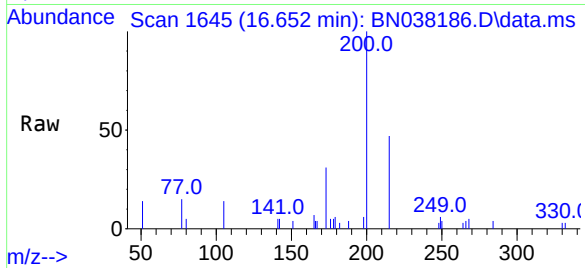




#23
Atrazine
Concen: 0.305 ng
RT: 16.652 min Scan# 1645
Delta R.T. 0.000 min
Lab File: BN038186.D
Acq: 12 Nov 2025 11:20

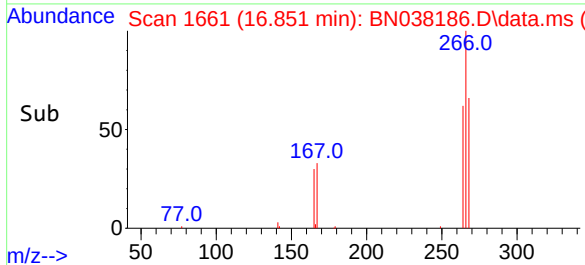
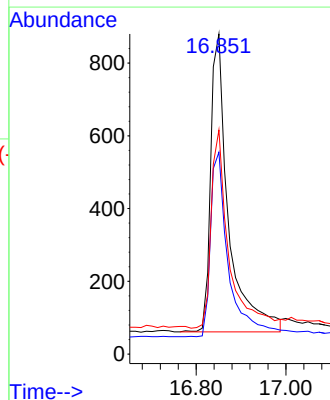
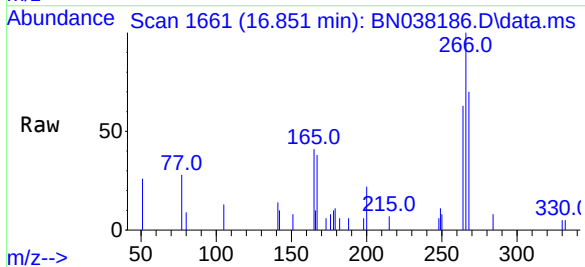
Instrument :
BNA_N
ClientSampleId :
PB170483BSD

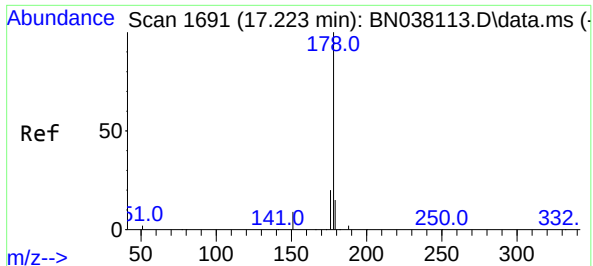
Tgt Ion:200 Resp: 2972
Ion Ratio Lower Upper
200 100
173 31.3 21.4 32.2
215 47.1 36.7 55.1



#24
Pentachlorophenol
Concen: 0.349 ng
RT: 16.851 min Scan# 1661
Delta R.T. 0.012 min
Lab File: BN038186.D
Acq: 12 Nov 2025 11:20

Tgt Ion:266 Resp: 2276
Ion Ratio Lower Upper
266 100
264 62.3 49.3 73.9
268 64.9 50.6 75.8

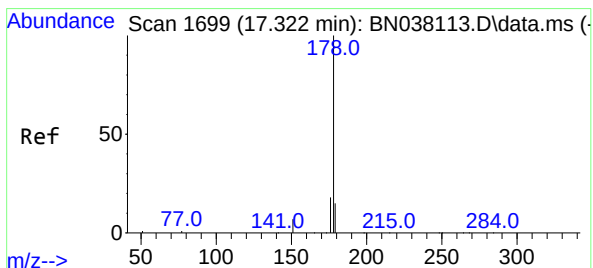
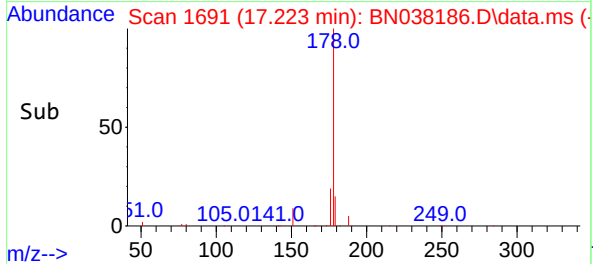
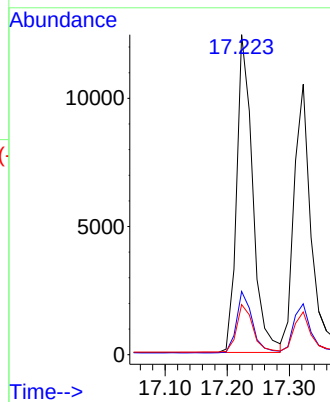
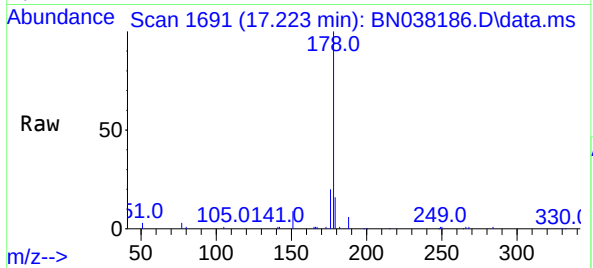




#25
Phenanthrene
Concen: 0.345 ng
RT: 17.223 min Scan# 1691
Delta R.T. 0.000 min
Lab File: BN038186.D
Acq: 12 Nov 2025 11:20

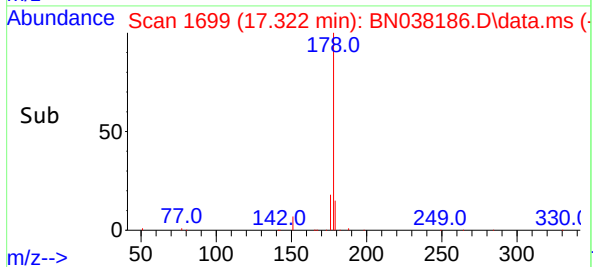
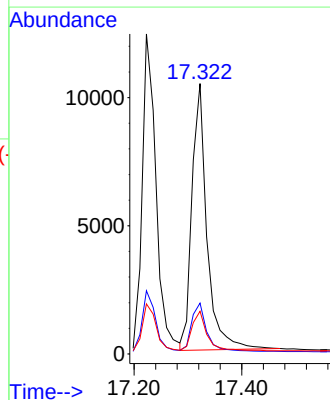
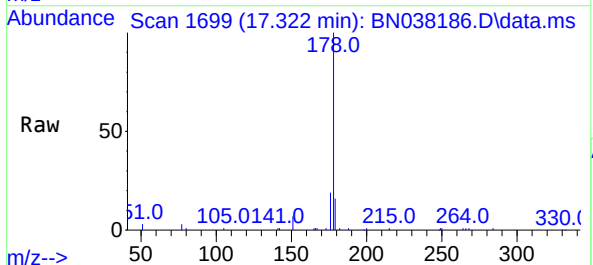
Instrument :
BNA_N
ClientSampleId :
PB170483BSD

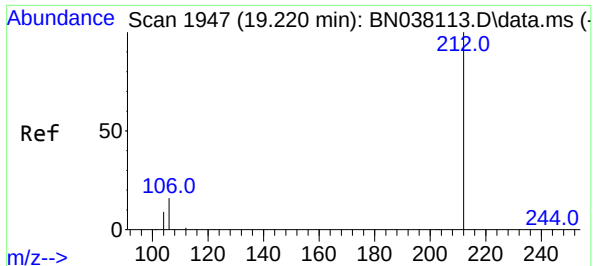
Tgt Ion:178 Resp: 22214
Ion Ratio Lower Upper
178 100
176 19.1 15.5 23.3
179 15.4 12.2 18.4



#26
Anthracene
Concen: 0.357 ng
RT: 17.322 min Scan# 1699
Delta R.T. 0.000 min
Lab File: BN038186.D
Acq: 12 Nov 2025 11:20

Tgt Ion:178 Resp: 20143
Ion Ratio Lower Upper
178 100
176 18.7 14.9 22.3
179 15.2 11.8 17.8

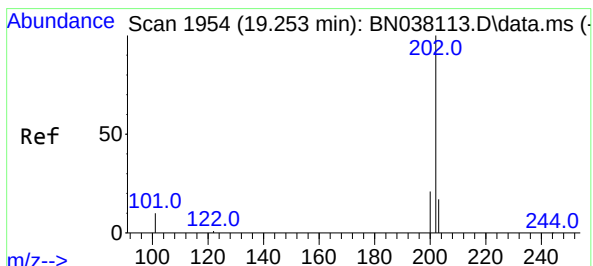
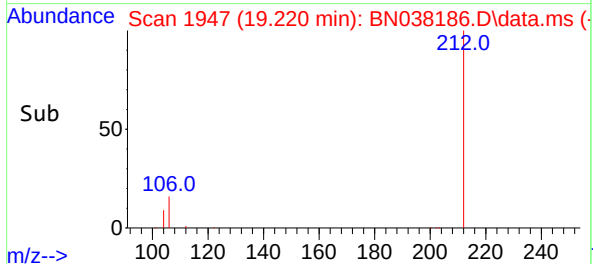
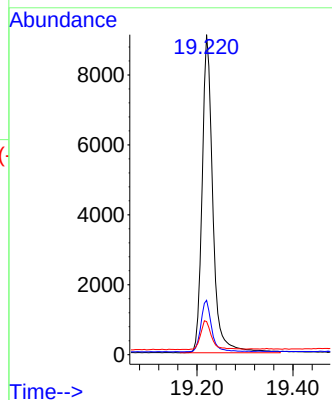
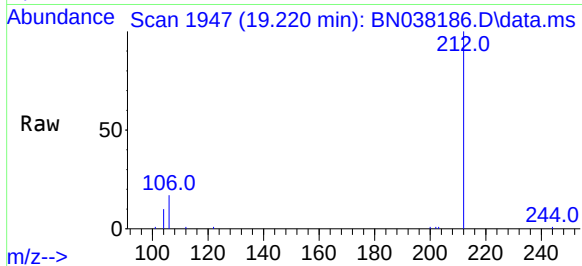




#27
Fluoranthene-d10
Concen: 0.277 ng
RT: 19.220 min Scan# 1947
Delta R.T. 0.000 min
Lab File: BN038186.D
Acq: 12 Nov 2025 11:20

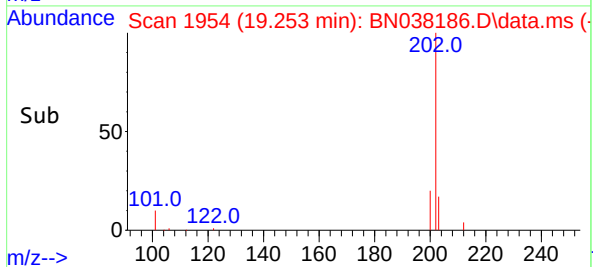
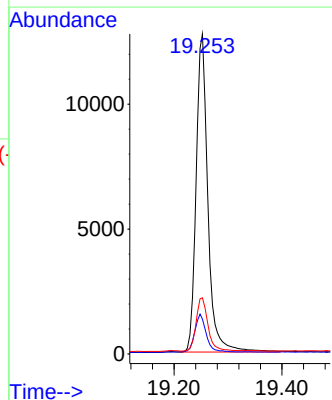
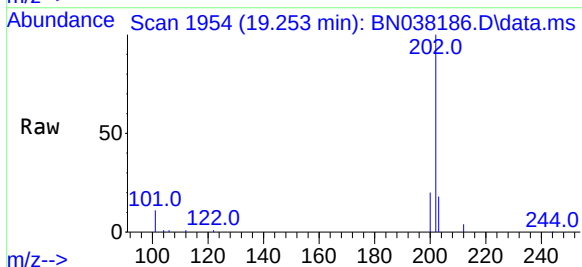
Instrument :
BNA_N
ClientSampleId :
PB170483BSD

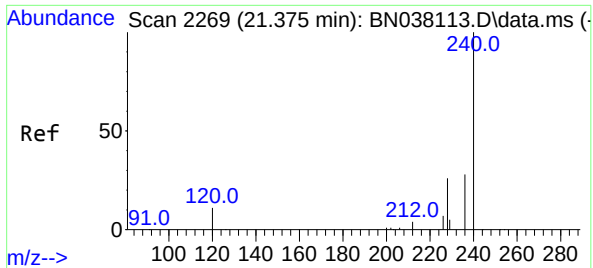
Tgt Ion	Ratio	Lower	Upper
212	100		
106	16.4	12.6	19.0
104	9.4	7.1	10.7



#28
Fluoranthene
Concen: 0.268 ng
RT: 19.253 min Scan# 1954
Delta R.T. 0.000 min
Lab File: BN038186.D
Acq: 12 Nov 2025 11:20

Tgt Ion	Ratio	Lower	Upper
202	100		
101	12.0	9.4	14.2
203	17.0	13.4	20.2





#29

Chrysene-d12

Concen: 0.400 ng

RT: 21.375 min Scan# 21

Delta R.T. 0.000 min

Lab File: BN038186.D

Acq: 12 Nov 2025 11:20

Instrument :

BNA_N

ClientSampleId :

PB170483BSD

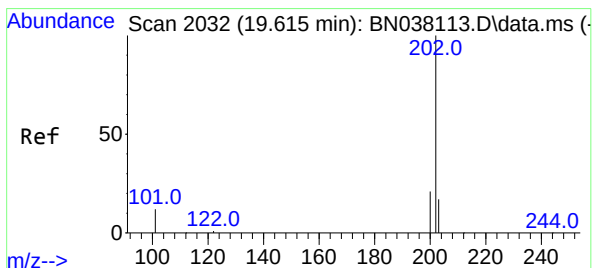
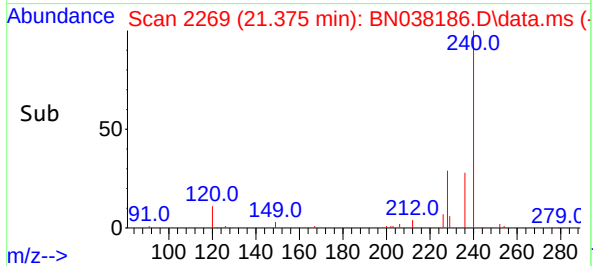
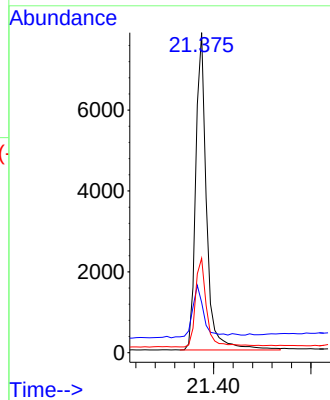
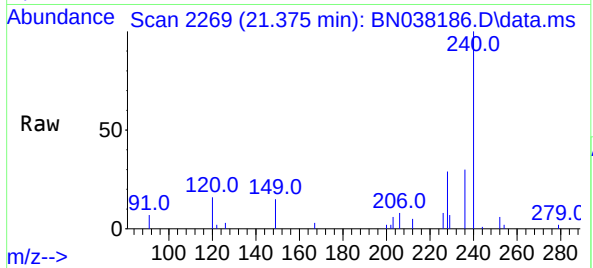
Tgt Ion:240 Resp: 12107

Ion Ratio Lower Upper

240 100

120 15.7 10.7 16.1

236 29.5 23.1 34.7



#30

Pyrene

Concen: 0.350 ng

RT: 19.610 min Scan# 2031

Delta R.T. 0.000 min

Lab File: BN038186.D

Acq: 12 Nov 2025 11:20

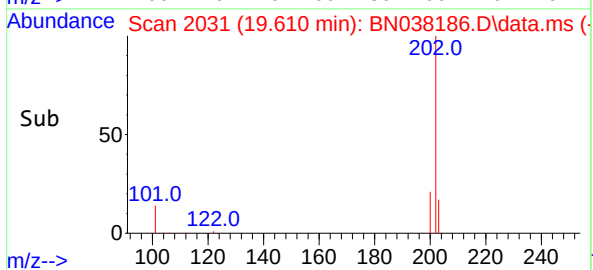
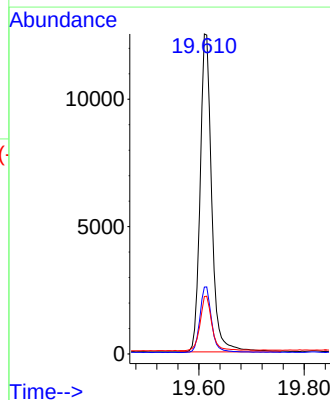
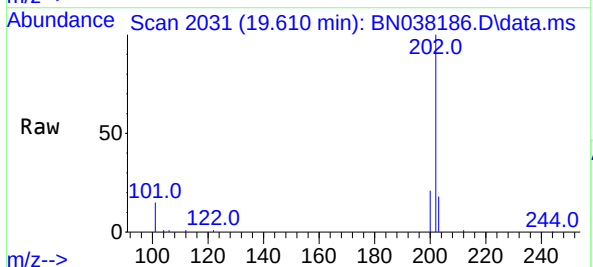
Tgt Ion:202 Resp: 19106

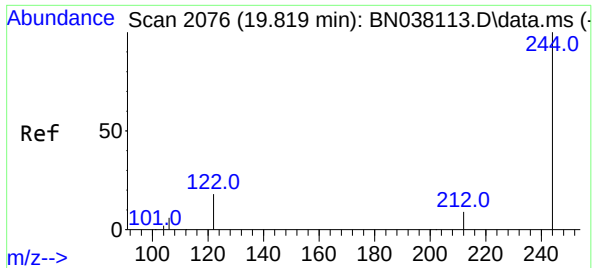
Ion Ratio Lower Upper

202 100

200 20.9 16.7 25.1

203 17.3 14.2 21.2

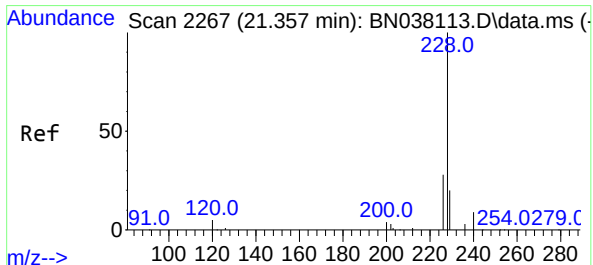
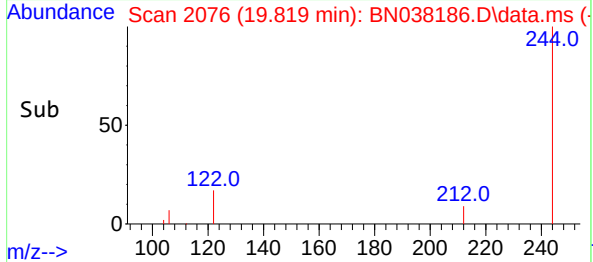
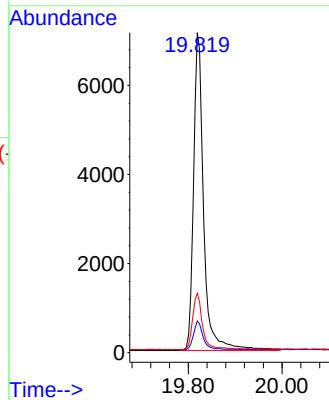
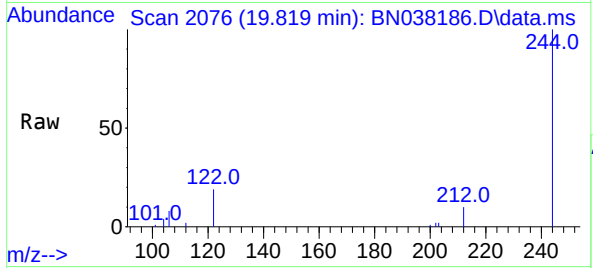




#31
Terphenyl-d14
Concen: 0.405 ng
RT: 19.819 min Scan# 2076
Delta R.T. 0.000 min
Lab File: BN038186.D
Acq: 12 Nov 2025 11:20

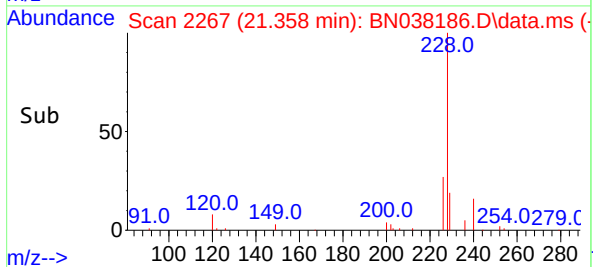
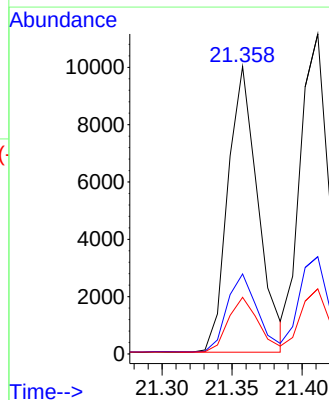
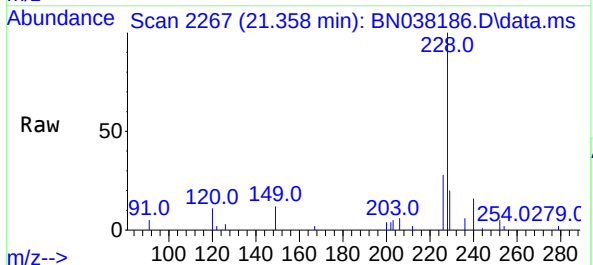
Instrument :
BNA_N
ClientSampleId :
PB170483BSD

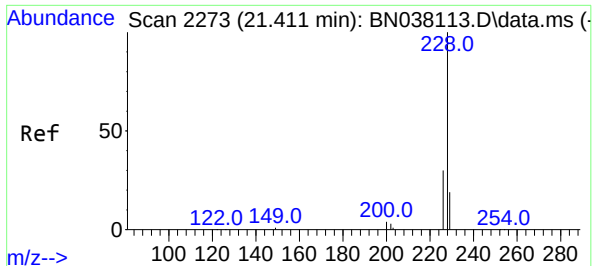
Tgt Ion:244 Resp: 10666
Ion Ratio Lower Upper
244 100
212 9.9 7.8 11.6
122 18.5 15.2 22.8



#32
Benzo(a)anthracene
Concen: 0.346 ng
RT: 21.358 min Scan# 2267
Delta R.T. 0.000 min
Lab File: BN038186.D
Acq: 12 Nov 2025 11:20

Tgt Ion:228 Resp: 14926
Ion Ratio Lower Upper
228 100
226 27.8 22.2 33.4
229 19.7 15.8 23.8

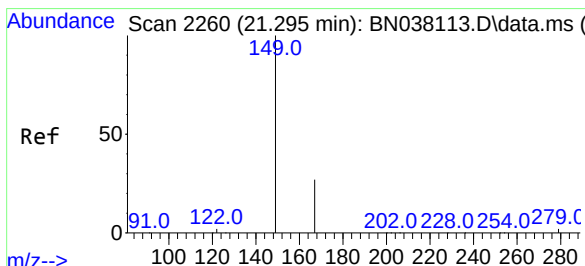
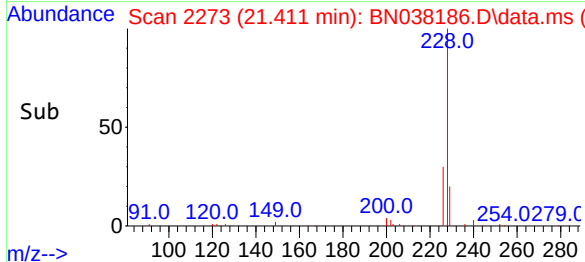
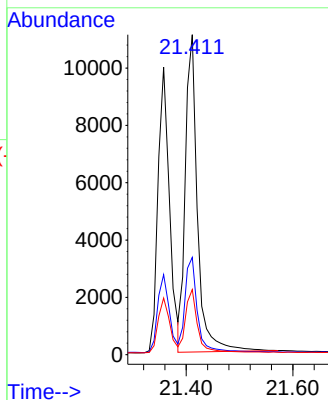
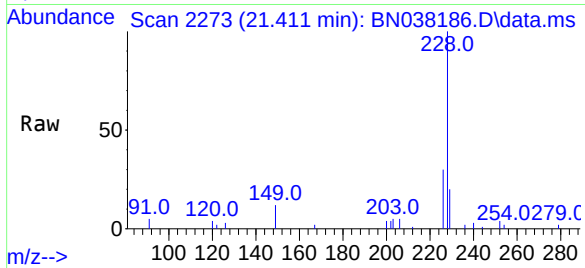




#33
Chrysene
Concen: 0.373 ng
RT: 21.411 min Scan# 21
Delta R.T. 0.000 min
Lab File: BN038186.D
Acq: 12 Nov 2025 11:20

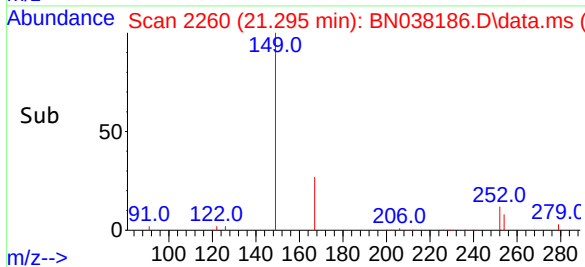
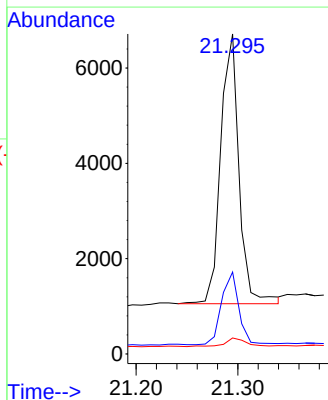
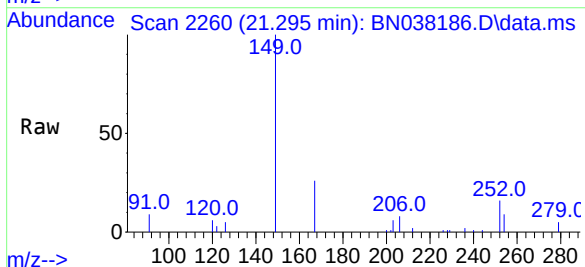
Instrument :
BNA_N
ClientSampleId :
PB170483BSD

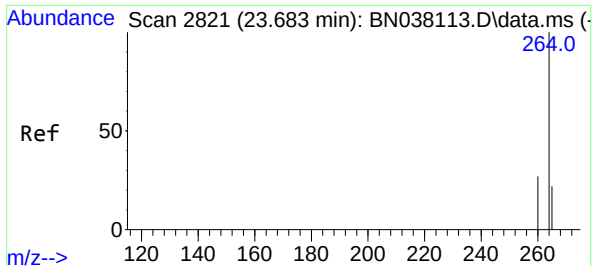
Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.4	24.3	36.5
229	20.3	15.7	23.5



#34
Bis(2-ethylhexyl)phthalate
Concen: 0.311 ng
RT: 21.295 min Scan# 2260
Delta R.T. 0.000 min
Lab File: BN038186.D
Acq: 12 Nov 2025 11:20

Tgt Ion	Ratio	Lower	Upper
149	100		
167	25.7	21.1	31.7
279	3.6	2.9	4.3

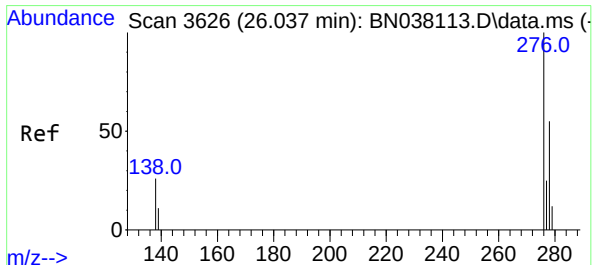
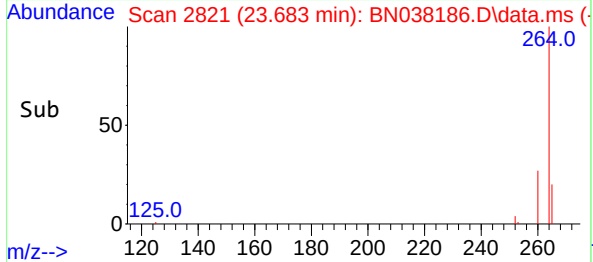
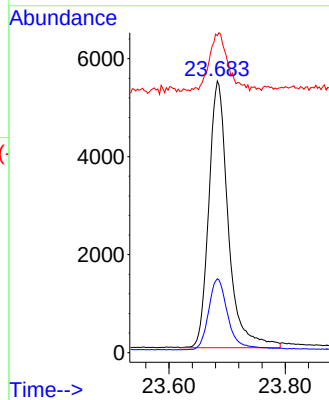
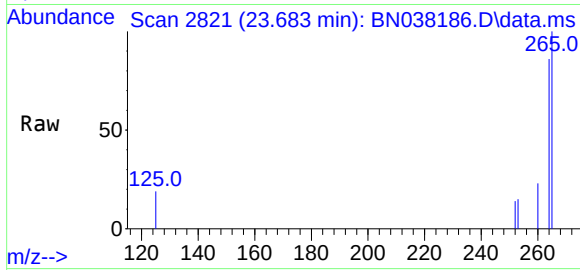




#35
Perylene-d12
Concen: 0.400 ng
RT: 23.683 min Scan# 21
Delta R.T. 0.003 min
Lab File: BN038186.D
Acq: 12 Nov 2025 11:20

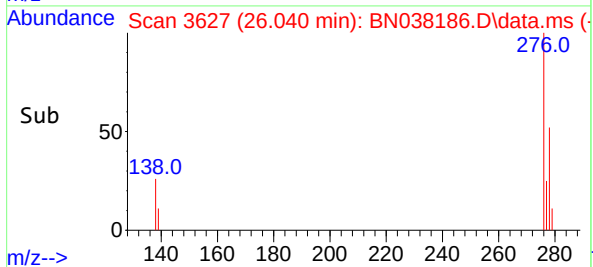
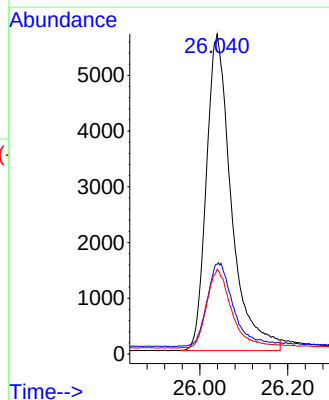
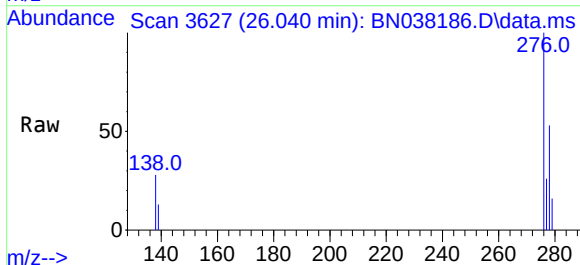
Instrument :
BNA_N
ClientSampleId :
PB170483BSD

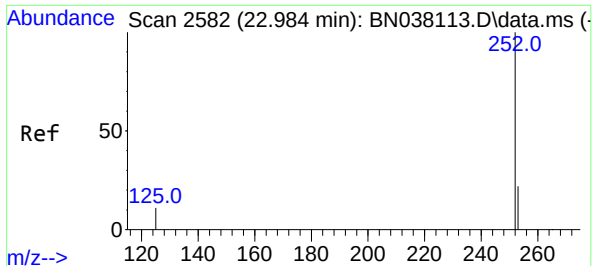
Tgt Ion:264 Resp: 12660
Ion Ratio Lower Upper
264 100
260 27.2 21.8 32.8
265 116.7 68.6 102.8#



#36
Indeno(1,2,3-cd)pyrene
Concen: 0.431 ng
RT: 26.040 min Scan# 3627
Delta R.T. 0.006 min
Lab File: BN038186.D
Acq: 12 Nov 2025 11:20

Tgt Ion:276 Resp: 22426
Ion Ratio Lower Upper
276 100
138 27.1 21.4 32.0
277 24.9 19.2 28.8





#37

Benzo(b)fluoranthene

Concen: 0.326 ng

RT: 22.984 min Scan# 2582

Delta R.T. 0.003 min

Lab File: BN038186.D

Acq: 12 Nov 2025 11:20

Instrument :

BNA_N

ClientSampleId :

PB170483BSD

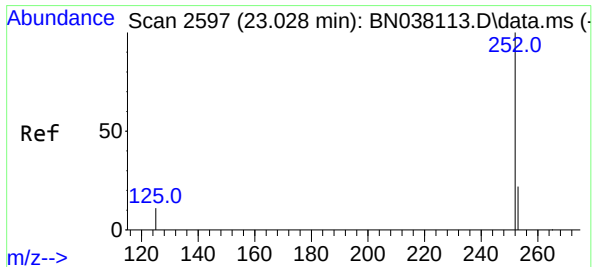
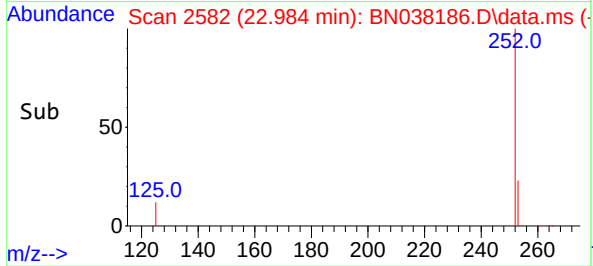
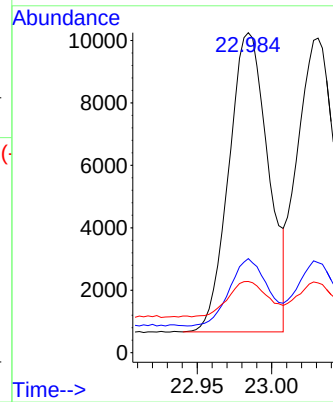
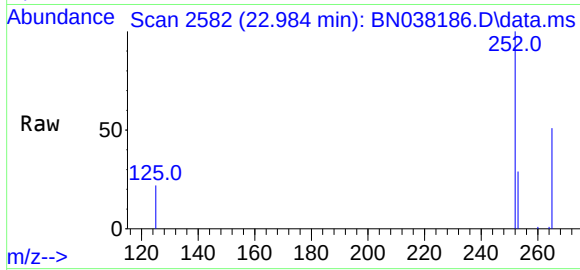
Tgt Ion:252 Resp: 17625

Ion Ratio Lower Upper

252 100

253 29.4 20.9 31.3

125 22.3 14.1 21.1#



#38

Benzo(k)fluoranthene

Concen: 0.342 ng

RT: 23.031 min Scan# 2598

Delta R.T. 0.003 min

Lab File: BN038186.D

Acq: 12 Nov 2025 11:20

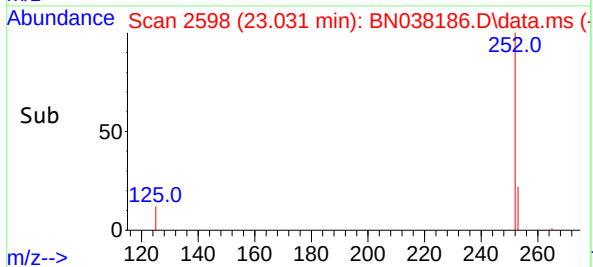
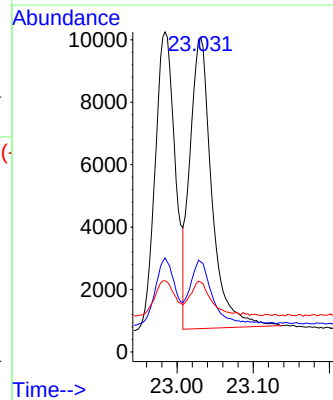
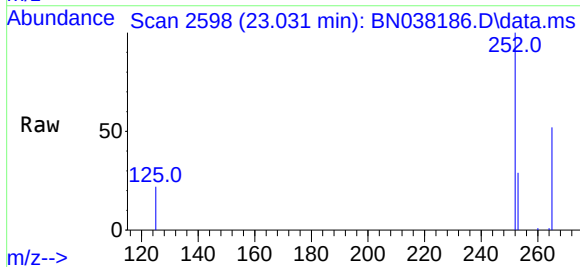
Tgt Ion:252 Resp: 18608

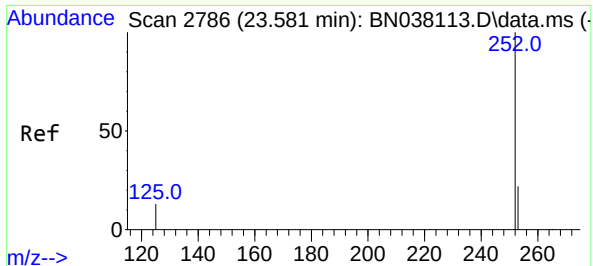
Ion Ratio Lower Upper

252 100

253 28.7 21.2 31.8

125 22.2 14.6 22.0#





#39

Benzo(a)pyrene

Concen: 0.378 ng

RT: 23.581 min Scan# 21

Delta R.T. 0.003 min

Lab File: BN038186.D

Acq: 12 Nov 2025 11:20

Instrument :

BNA_N

ClientSampleId :

PB170483BSD

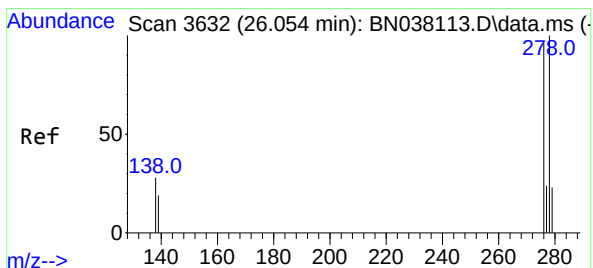
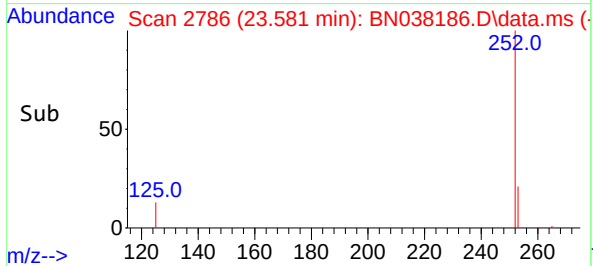
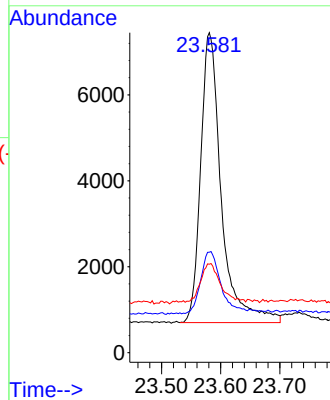
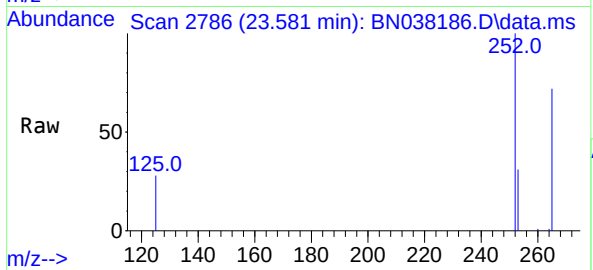
Tgt Ion:252 Resp: 16391

Ion Ratio Lower Upper

252 100

253 31.4 23.1 34.7

125 27.7 18.6 28.0



#40

Dibenzo(a,h)anthracene

Concen: 0.439 ng

RT: 26.057 min Scan# 3633

Delta R.T. 0.009 min

Lab File: BN038186.D

Acq: 12 Nov 2025 11:20

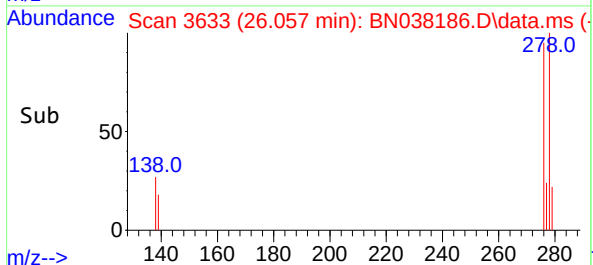
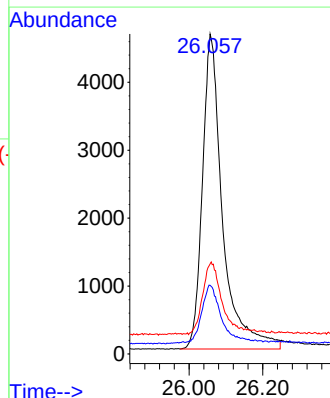
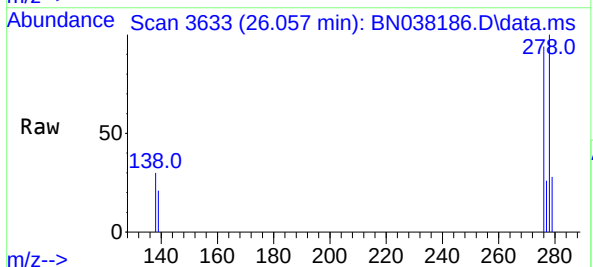
Tgt Ion:278 Resp: 17578

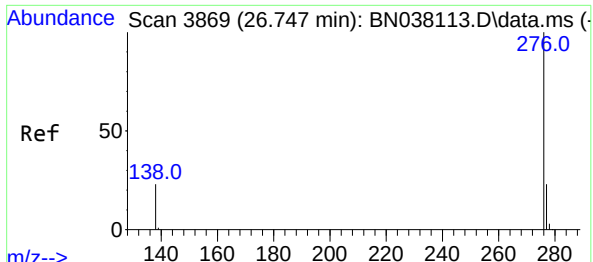
Ion Ratio Lower Upper

278 100

139 21.5 17.6 26.4

279 28.2 22.6 33.8





#41

Benzo(g,h,i)perylene

Concen: 0.432 ng

RT: 26.753 min Scan# 31

Delta R.T. 0.003 min

Lab File: BN038186.D

Acq: 12 Nov 2025 11:20

Instrument :

BNA_N

ClientSampleId :

PB170483BSD

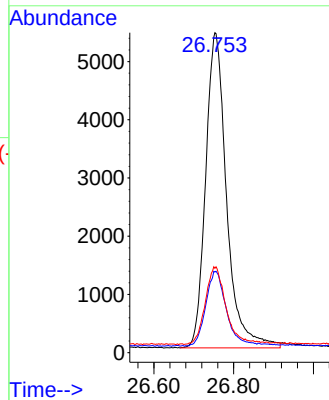
Tgt Ion:276 Resp: 19756

Ion Ratio Lower Upper

276 100

277 25.2 19.7 29.5

138 26.3 20.2 30.4





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

Manual Integration Report

Sequence:	BN102825	Instrument	BNA_n

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



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

Manual Integration Report

Sequence:

BN111225

Instrument

BNA_n

Sample ID

File ID

Parameter

Review By

Review On

Supervised
By

Supervised On

Reason

Instrument ID: **BNA_N**

Daily Analysis Runlog For Sequence/QC Batch ID # BN102825

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

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

M : Manual Integration

Instrument ID: **BNA_N**

Daily Analysis Runlog For Sequence/QC Batch ID # BN111225

Review By	rahul	Review On	11/12/2025 1:44:37 PM
Supervise By	Jagrut	Supervise On	11/13/2025 10:06:02 AM
SubDirectory	BN111225	HP Acquire Method	BNA_N
		HP Processing Method	BN102825
STD. NAME	STD REF.#		
Tune/Reschk	SP6875		
Initial Calibration Stds	SP6897,SP6898,SP6900,SP6901,SP6902,SP6903,SP6904		
CCC	SP6902		
Internal Standard/PEM	SP6830,1ul/100ul sample		
ICV/I.BLK	SP6906		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	DFTPP	BN038182.D	12 Nov 2025 08:52	RC/JU	Ok
2	SSTDCCC0.4	BN038183.D	12 Nov 2025 09:31	RC/JU	Ok
3	PB170483BL	BN038184.D	12 Nov 2025 10:07	RC/JU	Ok
4	PB170483BS	BN038185.D	12 Nov 2025 10:44	RC/JU	Ok
5	PB170483BSD	BN038186.D	12 Nov 2025 11:20	RC/JU	Ok
6	Q3569-02	BN038187.D	12 Nov 2025 11:56	RC/JU	Dilution
7	Q3584-01	BN038188.D	12 Nov 2025 12:32	RC/JU	Ok
8	Q3569-01	BN038189.D	12 Nov 2025 13:09	RC/JU	Dilution
9	Q3584-03	BN038190.D	12 Nov 2025 13:45	RC/JU	Ok
10	Q3584-02	BN038191.D	12 Nov 2025 14:21	RC/JU	Ok
11	Q3584-04	BN038192.D	12 Nov 2025 14:58	RC/JU	Ok
12	Q3584-05	BN038193.D	12 Nov 2025 15:34	RC/JU	Ok
13	Q3569-02DL	BN038194.D	12 Nov 2025 16:11	RC/JU	Ok
14	Q3569-01DL	BN038195.D	12 Nov 2025 16:47	RC/JU	Ok
15	SSTDCCC0.4	BN038196.D	12 Nov 2025 18:40	RC/JU	Ok

M : Manual Integration

Instrument ID: BNA_N

Daily Analysis Runlog For Sequence/QC Batch ID # BN102825

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

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

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

M : Manual Integration

Instrument ID: BNA_N

Daily Analysis Runlog For Sequence/QC Batch ID # BN111225

Review By	rahul	Review On	11/12/2025 1:44:37 PM
Supervise By	Jagrut	Supervise On	11/13/2025 10:06:02 AM
SubDirectory	BN111225	HP Acquire Method	BNA_N
		HP Processing Method	BN102825

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

Sr#	SampleID	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	DFTPP	DFTPP	BN038182.D	12 Nov 2025 08:52		RC/JU	Ok
2	SSTDCCC0.4	SSTDCCC0.4	BN038183.D	12 Nov 2025 09:31		RC/JU	Ok
3	PB170483BL	PB170483BL	BN038184.D	12 Nov 2025 10:07		RC/JU	Ok
4	PB170483BS	PB170483BS	BN038185.D	12 Nov 2025 10:44		RC/JU	Ok
5	PB170483BSD	PB170483BSD	BN038186.D	12 Nov 2025 11:20		RC/JU	Ok
6	Q3569-02	MW-12	BN038187.D	12 Nov 2025 11:56	Need 40X Dilution	RC/JU	Dilution
7	Q3584-01	SW-1	BN038188.D	12 Nov 2025 12:32		RC/JU	Ok
8	Q3569-01	MW-2	BN038189.D	12 Nov 2025 13:09	Need 10X Dilution	RC/JU	Dilution
9	Q3584-03	SW-3	BN038190.D	12 Nov 2025 13:45		RC/JU	Ok
10	Q3584-02	SW-2	BN038191.D	12 Nov 2025 14:21		RC/JU	Ok
11	Q3584-04	EB-2	BN038192.D	12 Nov 2025 14:58		RC/JU	Ok
12	Q3584-05	FB-2	BN038193.D	12 Nov 2025 15:34		RC/JU	Ok
13	Q3569-02DL	MW-12DL	BN038194.D	12 Nov 2025 16:11		RC/JU	Ok
14	Q3569-01DL	MW-2DL	BN038195.D	12 Nov 2025 16:47		RC/JU	Ok
15	SSTDCCC0.4	SSTDCCC0.4EC	BN038196.D	12 Nov 2025 18:40		RC/JU	Ok

M : Manual Integration

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

Clean Up SOP #: N/A

Matrix: Water

Weigh By: N/A

Balance check: N/A

Balance ID: N/A

pH Strip Lot#: E3953

Extraction By: RS

Filter By: RS

pH Meter ID: N/A

Hood ID: 4,6,7

Extraction Start Date: 11/11/2025

Extraction Start Time: 08:40

Extraction End Date: 11/11/2025

Extraction End Time: 13:40

Concentration By: EH

Supervisor By: RUPESH

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

Standardized Name	MLS USED	Concentration ug/mL	STD REF. # FROM LOG
Spike Sol 1	1.0ML	0.4 PPM	SP6876
Surrogate	1.0ML	0.4 PPM	SP6893
N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A

Chemical Used	ML/SAMPLE USED	Lot Number
Methylene Chloride	N/A	E3980
Baked Na2SO4	N/A	EP2655
H2SO4 1:1	N/A	EP2657
10N NaOH	N/A	EP2658
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A

Extraction Conformance/Non-Conformance Comments:

PH Adjusted TO <2 with 1:1 H2SO4 & >11with 10N NAOH ,1.5ML Vial Lot #2210443.

KD Bath ID: WATER BATH-1

KD Bath Temperature: 60 °C

Envap ID: NEVAP-02

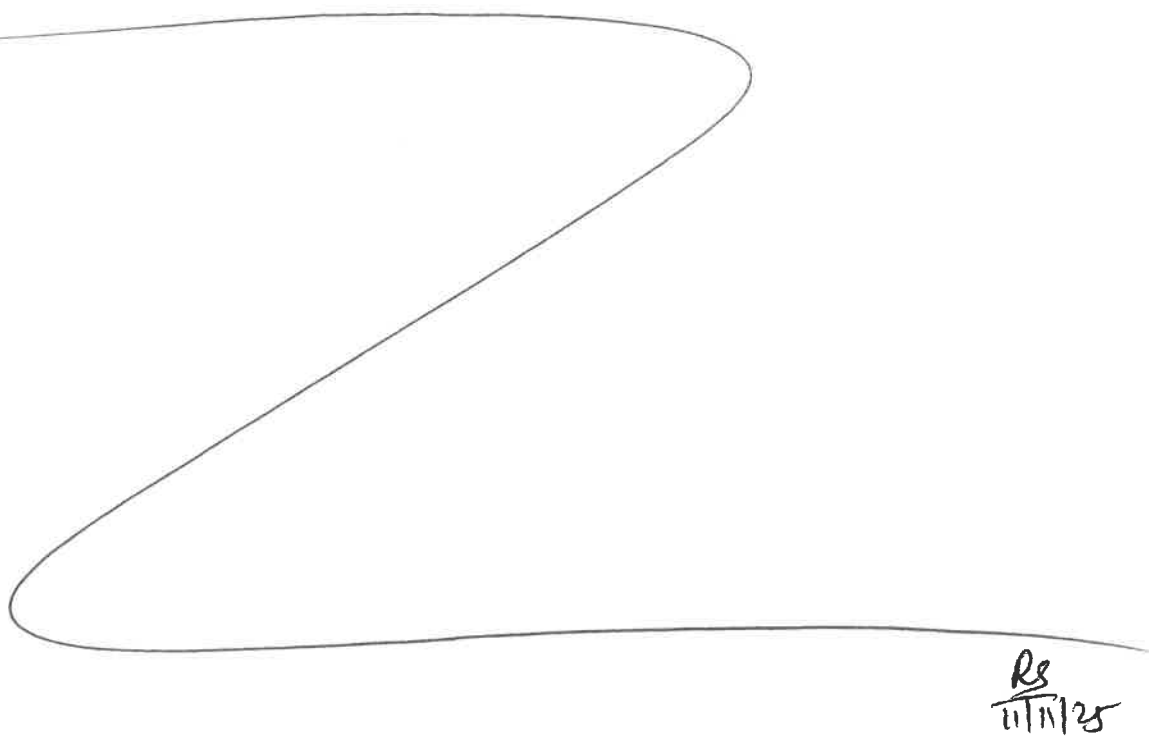
Envap Temperature: 40 °C

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
11/11/25	RS (E466)	JY / SU SC
13:45	Preparation Group	Analysis Group

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

Concentration Date: 11/11/2025

Sample ID	Client Sample ID	Test	g (mL)	PH	Surr/Spike By:		Final Vol. (mL)	JarID	Comments	Prep Pos
					AddedBy	VerifiedBy				
PB170483BL	SBLK483	SVOC-SIMGrou p1	1000	6	RUPESH	ritesh	1			SEP-1
PB170483BS	SLCS483	SVOC-SIMGrou p1	1000	6	RUPESH	ritesh	1			2
PB170483BS D	SLCSD483	SVOC-SIMGrou p1	1000	6	RUPESH	ritesh	1			3
Q3569-01	MW-2	SVOC-SIMGrou p1	950	6	RUPESH	ritesh	1	M		4
Q3569-02	MW-12	SVOC-SIMGrou p1	980	6	RUPESH	ritesh	1	M		5
Q3584-01	SW-1	SVOC-SIMGrou p1	1000	6	RUPESH	ritesh	1	M		6
Q3584-02	SW-2	SVOC-SIMGrou p1	1000	6	RUPESH	ritesh	1	M		7
Q3584-03	SW-3	SVOC-SIMGrou p1	1000	6	RUPESH	ritesh	1	M		8
Q3584-04	EB-2	SVOC-SIMGrou p1	990	6	RUPESH	ritesh	1	H		9
Q3584-05	FB-2	SVOC-SIMGrou p1	980	6	RUPESH	ritesh	1	F		10
Q3584-07	SEEP-1	SVOC-SIMGrou p1	1000	6	RUPESH	ritesh	1	M		11



170483
8:00

WORKLIST(Hardcopy Internal Chain)

WorkList Name : Q3569SIM

WorkList ID : 193041

Department : Extraction

Date : 11-11-2025 08:35:14

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q3569-01	MW-2	Water	SVOC-SIMGroup1	Cool 4 deg C	REMI02	J22	11/05/2025	8270-Modified
Q3569-02	MW-12	Water	SVOC-SIMGroup1	Cool 4 deg C	REMI02	J22	11/05/2025	8270-Modified
Q3584-01	SW-1	Water	SVOC-SIMGroup1	Cool 4 deg C	REMI02	D41	11/06/2025	8270-Modified
Q3584-02	SW-2	Water	SVOC-SIMGroup1	Cool 4 deg C	REMI02	D41	11/07/2025	8270-Modified
Q3584-03	SW-3	Water	SVOC-SIMGroup1	Cool 4 deg C	REMI02	D41	11/07/2025	8270-Modified
Q3584-04	EB-2	Water	SVOC-SIMGroup1	Cool 4 deg C	REMI02	D41	11/06/2025	8270-Modified
Q3584-05	FB-2	Water	SVOC-SIMGroup1	Cool 4 deg C	REMI02	D41	11/07/2025	8270-Modified
Q3584-07	SEEP-1	Water	SVOC-SIMGroup1	Cool 4 deg C	REMI02	D41	11/07/2025	8270-Modified

Date/Time

11/11/25 8:35

Raw Sample Received by:

RS (Ext Lab)

Raw Sample Relinquished by:

OP SM

Date/Time

11/11/25 9:15

Raw Sample Received by:

OP SM

Raw Sample Relinquished by:

RS (Ext Lab)



SHIPPING DOCUMENTS

CLIENT INFORMATION

REPORT TO BE SENT TO:
COMPANY: Remington & Vernick Engineers
ADDRESS: 2059 Springdale Road
CITY: Cherry Hill STATE: NJ ZIP: 08003
ATTENTION: Kyle Carson @ nve.com
PHONE: 609-682-3049 FAX:

CLIENT PROJECT INFORMATION

PROJECT NAME: Edison Landfill
PROJECT NO.: 605T007 LOCATION: Edison, NJ
PROJECT MANAGER: Leslie Hartzell
e-mail: Leslie.Hartzell@nve.com
PHONE: 610-663-4665 FAX:

CLIENT BILLING INFORMATION

BILL TO: AP invoices@nve.com PO#: 1205T007
ADDRESS: 2059 Springdale Road
CITY: Cherry Hill STATE: NJ ZIP: 08003
ATTENTION: PHONE:

ANALYSIS

DATA TURNAROUND INFORMATION

FAX (RUSH) DAYS*
HARDCOPY (DATA PACKAGE): STAT DAYS*
EDD: DAYS*
*TO BE APPROVED BY CHEMTECH
STANDARD HARDCOPY TURNAROUND TIME IS 10 BUSINESS

DATA DELIVERABLE INFORMATION

☐ Level 1 (Results Only) ☐ Level 4 (QC + Full Raw Data)
☐ Level 2 (Results + QC) ☒ NJ Reduced ☐ US EPA CLP
☐ Level 3 (Results + QC) ☐ NYS ASP A ☐ NYS ASP B
+ Raw Data ☐ Other
EDD FORMAT: NJ HAZSITE

TO/FAL+30
VOCs
TALMATHS MARY
CYCLOID
COD
TKN
OIL/GREASE
HAZARDOUS
WESCBANK

ALLIANCE SAMPLE ID	PROJECT SAMPLE IDENTIFICATION	SAMPLE MATRIX	SAMPLE TYPE		SAMPLE COLLECTION		# OF BOTTLES	PRESERVATIVES									COMMENTS	
			COMP	GRAB	DATE	TIME		E	A	B	D	C	C	C	F	A	← Specify Preservatives A-HCl D-NaOH B-HNO3 E-ICE C-H2SO4 F-OTHER	
1.	MW-2	GW			4/11/25	12:00	15	7	2	1	1	1	1	1	1			
2.	MW-12	GW			6/11/25	16:30	15	7	2	1	1	1	1	1	1			
3.	TB-2	GW			6/11/25	8:00	2									2	Please add trip blank	
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. Arina Mauer	DATE/TIME: 11/6/25 (14:00)	RECEIVED BY: 1. [Signature] 1510 11-6-25	Conditions of bottles or coolers at receipt: ☐ COMPLIANT ☐ NON COMPLIANT ☐ COOLER TEMP 3.6 °C
RELINQUISHED BY SAMPLER: 2.	DATE/TIME:	RECEIVED BY: 2.	Comments:
RELINQUISHED BY SAMPLER: 3. [Signature]	DATE/TIME: 11-6-25	RECEIVED BY: 3.	

Page 1 of 1

CLIENT: ☐ Hand Delivered ☐ Other

Shipment Complete
☐ YES ☐ NO

From: Kyle Carlson <Kyle.Carlson@rve.com>
Sent: Friday, November 07, 2025 10:12 AM
Subject: Re: Trip Blank sample

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

Hi Deepak - confirming request to add TB sample and run to this order - please let me know if I can provide any additional info. Thank you.

Regards,

Kyle Carlson, LSRP
Environmental Project Manager
Remington & Vernick Engineers
2059 Springdale Road
Cherry Hill, NJ 08003
Cell: (609) 682-3049
Kyle.Carlson@rve.com



Offices throughout NJ • PA • MD • DE • NC
RVE.com | [LinkedIn](#)

From: Deepak Parmar <Deepak.Parmar@alliancetg.com>
Sent: Friday, November 7, 2025 9:44 AM
To: Leslie Hartzell <leslie.hartzell@rve.com>; Kyle Carlson <Kyle.Carlson@rve.com>
Subject: Trip Blank sample

hi,
lab did not receive TB sample with the shipment and on COC there are comments say please add trip blank sample, So do want lab to make trip blank sample and Run ?

Thanks & Regards,





Deepak Parmar
Sr. Project Manager
An Alliance Technical Group Company
Main: 908-789-8900
Direct: 908-728-3154
Address: 284 Sheffield St, Ste 1, Mountainside, NJ 07092
www.alliancetg.com



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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 : Q3569	REMI02	Order Date : 11/6/2025 3:21:00 PM	Project Mgr :
Client Name : Remington & Vernick Engi		Project Name : Edison Landfill	Report Type : NJ Reduced
Client Contact : Kyle Carlson		Receive Date/Time : 11/6/2025 4:16:00 PM	EDD Type : Excel NJ
Invoice Name : Remington & Vernick Engi		Purchase Order :	Hard Copy Date :
Invoice Contact : Kyle Carlson			Date Signoff :

LAB ID	CLIENT ID	MATRIX	SAMPLE DATE	SAMPLE TIME	TEST	TEST GROUP	METHOD	FAX DATE	DUE DATES
Q3569-01	MW-2	Water	11/05/2025	12:00	VOC-TCLVOA-10	TCL+30/TAL	8260-Low	10 Bus. Days	
Q3569-02	MW-12	Water	11/05/2025	16:30	VOC-TCLVOA-10	TCL+30/TAL	8260-Low	10 Bus. Days	
Q3569-03	TB-2	Water	11/05/2025	08:00	VOC-TCLVOA-10		8260-Low	10 Bus. Days	

Relinquished By : CP

Date / Time : 11/7/25 10:25

Received By : San

Date / Time : 11/07/25 10:25

Storage Area : VOA Refridgerator Room