

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:	Q3813	OrderDate:	12/8/2025 4:06:00 PM
Client:	JACOBS Engineering Group, Inc.	Project:	Former Schlumberger STC PTC Site D3868221
Contact:	John Ynfante	Location:	A11,VOA Lab

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q3813-01	BR-04DR-451-120825	Water	SVOC-SIMGroup1	8270-Modified	12/08/25	12/11/25	12/12/25	12/08/25
Q3813-03	EB01-120825	Water	SVOC-SIMGroup1	8270-Modified	12/08/25	12/11/25	12/12/25	12/08/25



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Fax : 908 789 8922

Hit Summary Sheet
SW-846

SDG No.: Q3813
Client: JACOBS Engineering Group, Inc.

Sample ID	Client ID	Parameter	Concentration	C	MDL	RDL	Units
Client ID : BR-04DR-451-120825							
Q3813-01	BR-04DR-451-120825	WATER 1,4-Dioxane	2.000		0.07	0.2	ug/L
Total Svoc :				2.00			
Total Concentration:				2.00			



QC SUMMARY

Surrogate Summary

SW-846

SDG No.: Q3813

Client: JACOBS Engineering Group, Inc.

Analytical Method: 8270-Modified

Lab Sample ID	Client ID	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%)	
							Low	High
PB170912BL	PB170912BL	2-Methylnaphthalene-d10	0.4	0.36	90		30 (47)	150 (106)
		Fluoranthene-d10	0.4	0.34	86		30 (54)	150 (157)
		Nitrobenzene-d5	0.4	0.39	98		30 (56)	130 (116)
		2-Fluorobiphenyl	0.4	0.38	96		30 (50)	130 (126)
		Terphenyl-d14	0.4	0.43	107		30 (54)	130 (175)
PB170912BS	PB170912BS	2-Methylnaphthalene-d10	0.4	0.36	91		30 (47)	150 (106)
		Fluoranthene-d10	0.4	0.33	82		30 (54)	150 (157)
		Nitrobenzene-d5	0.4	0.39	97		30 (56)	130 (116)
		2-Fluorobiphenyl	0.4	0.43	108		30 (50)	130 (126)
		Terphenyl-d14	0.4	0.43	108		30 (54)	130 (175)
PB170912BSD	PB170912BSD	2-Methylnaphthalene-d10	0.4	0.38	95		30 (47)	150 (106)
		Fluoranthene-d10	0.4	0.34	84		30 (54)	150 (157)
		Nitrobenzene-d5	0.4	0.39	97		30 (56)	130 (116)
		2-Fluorobiphenyl	0.4	0.42	106		30 (50)	130 (126)
		Terphenyl-d14	0.4	0.40	100		30 (54)	130 (175)
Q3813-01	BR-04DR-451-120825	2-Methylnaphthalene-d10	0.4	0.25	63		30 (47)	150 (106)
		Fluoranthene-d10	0.4	0.36	90		30 (54)	150 (157)
		Nitrobenzene-d5	0.4	0.30	74		30 (56)	130 (116)
		2-Fluorobiphenyl	0.4	0.27	68		30 (50)	130 (126)
		Terphenyl-d14	0.4	0.42	106		30 (54)	130 (175)
Q3813-03	EB01-120825	2-Methylnaphthalene-d10	0.4	0.27	68		30 (47)	150 (106)
		Fluoranthene-d10	0.4	0.36	90		30 (54)	150 (157)
		Nitrobenzene-d5	0.4	0.33	83		30 (56)	130 (116)
		2-Fluorobiphenyl	0.4	0.29	73		30 (50)	130 (126)
		Terphenyl-d14	0.4	0.43	108		30 (54)	130 (175)

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q3813

Analytical Method: 8270-Modified

Client: JACOBS Engineering Group, Inc.

DataFile: BN038357.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD	Limits		RPD
								Qual	Low	High	
PB170912BS	1,4-Dioxane	0.4	0.29	ug/L	73				20 (65)	160 (116)	

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q3813

Analytical Method: 8270-Modified

Client: JACOBS Engineering Group, Inc.

DataFile: BN038358.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD	Limits		
								Qual	Low	High	RPD
PB170912BSD	1,4-Dioxane	0.4	0.29	ug/L	73	0			20 (65)	160 (116)	20 (27)

4B

SEMIVOLATILE METHOD BLANK SUMMARY

Client ID

PB170912BL

Lab Name: Alliance

Contract: JAC005

Lab Code: ACE

SDG NO.: Q3813

Lab File ID: BN038344.D

Lab Sample ID: PB170912BL

Instrument ID: BNA_N

Date Extracted: 12/11/2025

Matrix: (soil/water) Water

Date Analyzed: 12/12/2025

Level: (low/med) LOW

Time Analyzed: 10:00

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
PB170912BS	PB170912BS	BN038357.D	12/12/2025
BR-04DR-451-120825	Q3813-01	BN038346.D	12/12/2025
EB01-120825	Q3813-03	BN038347.D	12/12/2025
PB170912BSD	PB170912BSD	BN038358.D	12/12/2025

COMMENTS: _____



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5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: Alliance
Lab Code: ACE
Lab File ID: BN038297.D
Instrument ID: BNA_N

Contract: JAC005
SDG NO.: Q3813
DFTPP Injection Date: 12/10/2025
DFTPP Injection Time: 09:12

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
68	Less than 2.0% of mass 69	0.6 (1.7) 1
69	Mass 69 relative abundance	37.2
70	Less than 2.0% of mass 69	0.2 (0.5) 1
197	Less than 2.0% of mass 198	0.0
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	6.6
365	Greater than 1% of mass 198	3.6
441	Present, but less than mass 443	14.8
442	Greater than 50% of mass 198	92.6
443	15.0 - 24.0% of mass 442	16.9 (18.2) 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	BN038298.D	12/10/2025	09:52
SSTDICC0.2	SSTDICC0.2	BN038299.D	12/10/2025	10:28
SSTDICCC0.4	SSTDICCC0.4	BN038300.D	12/10/2025	11:05
SSTDICC0.8	SSTDICC0.8	BN038301.D	12/10/2025	11:41
SSTDICC1.6	SSTDICC1.6	BN038302.D	12/10/2025	12:17
SSTDICC3.2	SSTDICC3.2	BN038303.D	12/10/2025	12:53
SSTDICC5.0	SSTDICC5.0	BN038304.D	12/10/2025	13:30



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5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: Alliance
Lab Code: ACE
Lab File ID: BN038342.D
Instrument ID: BNA_N

Contract: JAC005
SDG NO.: Q3813
DFTPP Injection Date: 12/12/2025
DFTPP Injection Time: 08:45

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
68	Less than 2.0% of mass 69	0.5 (1.3) 1
69	Mass 69 relative abundance	41.1
70	Less than 2.0% of mass 69	0.2 (0.5) 1
197	Less than 2.0% of mass 198	0.0
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	7
365	Greater than 1% of mass 198	3.4
441	Present, but less than mass 443	13
442	Greater than 50% of mass 198	87.1
443	15.0 - 24.0% of mass 442	15.3 (17.6) 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	BN038343.D	12/12/2025	09:24
PB170912BL	PB170912BL	BN038344.D	12/12/2025	10:00
BR-04DR-451-120825	Q3813-01	BN038346.D	12/12/2025	11:12
EB01-120825	Q3813-03	BN038347.D	12/12/2025	11:49
PB170912BS	PB170912BS	BN038357.D	12/12/2025	18:27
PB170912BSD	PB170912BSD	BN038358.D	12/12/2025	19:03

8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Alliance

Lab Code: ACE

SDG NO.: Q3813

Client ID : SSTDCCC0.4

Date Analyzed: 12/12/2025

Lab File ID: BN038343.D

Time Analyzed: 09:24

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	5196	7.724	14288	10.52	7596	14.39
UPPER LIMIT	10392	8.224	28576	11.019	15192	14.887
LOWER LIMIT	2598	7.224	7144	10.019	3798	13.887
EPA SAMPLE NO.						
01 PB170912BL	6576	7.72	16790	10.52	8053	14.39
02 BR-04DR-451-120825	5531	7.72	14873	10.52	8212	14.39
03 EB01-120825	6003	7.72	15645	10.52	8460	14.39
04 PB170912BS	6159	7.72	16009	10.52	7792	14.39
05 PB170912BSD	5504	7.72	14243	10.52	6818	14.39

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.: Q3813

Client ID: SSTDCCC0.4

Date Analyzed: 12/12/2025

Lab File ID: BN038343.D

Time Analyzed: 09:24

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	14177	17.148	11670	21.339	12444	23.633
UPPER LIMIT	28354	17.648	23340	21.839	24888	24.133
LOWER LIMIT	7088.5	16.648	5835	20.839	6222	23.133
EPA SAMPLE NO.						
01 PB170912BL	12820	17.15	8612	21.34	9324	23.63
02 BR-04DR-451-120825	16033	17.15	12704	21.34	12519	23.63
03 EB01-120825	16049	17.15	12341	21.34	12255	23.63
04 PB170912BS	13155	17.15	8480	21.34	8947	23.63
05 PB170912BSD	11665	17.15	8305	21.34	8801	23.62

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:	JACOBS Engineering Group, Inc.	Date Collected:	12/08/25
Project:	Former Schlumberger STC PTC Site D3868221	Date Received:	12/08/25
Client Sample ID:	BR-04DR-451-120825	SDG No.:	Q3813
Lab Sample ID:	Q3813-01	Matrix:	Water
Analytical Method:	SW8270ESIM	% Solid:	0
Sample Wt/Vol:	990 mL	Test:	SVOC-SIMGroup1
Prep Method :	3510C		
	Level: LOW		
	Final Vol: 1000 uL		
	Prep Date: 12/11/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
TARGETS									
123-91-1	1,4-Dioxane	2.00		1	0.070	0.20	ug/L	12/12/25 11:12	PB170912
SURROGATES									
7297-45-2	2-Methylnaphthalene-d10	0.25			30 (47) - 150 (106)	63%	SPK: 0.4		
93951-69-0	Fluoranthene-d10	0.36			30 (54) - 150 (157)	90%	SPK: 0.4		
4165-60-0	Nitrobenzene-d5	0.30			30 (56) - 130 (116)	74%	SPK: 0.4		
321-60-8	2-Fluorobiphenyl	0.27			30 (50) - 130 (126)	68%	SPK: 0.4		
1718-51-0	Terphenyl-d14	0.42			30 (54) - 130 (175)	106%	SPK: 0.4		
INTERNAL STANDARDS		Area Count							
3855-82-1	1,4-Dichlorobenzene-d4	5530							
1146-65-2	Naphthalene-d8	14900							
15067-26-2	Acenaphthene-d10	8210							
1517-22-2	Phenanthrene-d10	16000							
1719-03-5	Chrysene-d12	12700							
1520-96-3	Perylene-d12	12500							

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\BN121225\
 Data File : BN038346.D
 Acq On : 12 Dec 2025 11:12
 Operator : RC/JU
 Sample : Q3813-01
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 BR-04DR-451-120825

Quant Time: Dec 12 11:36:15 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN121025.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Dec 10 13:56:50 2025
 Response via : Initial Calibration

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

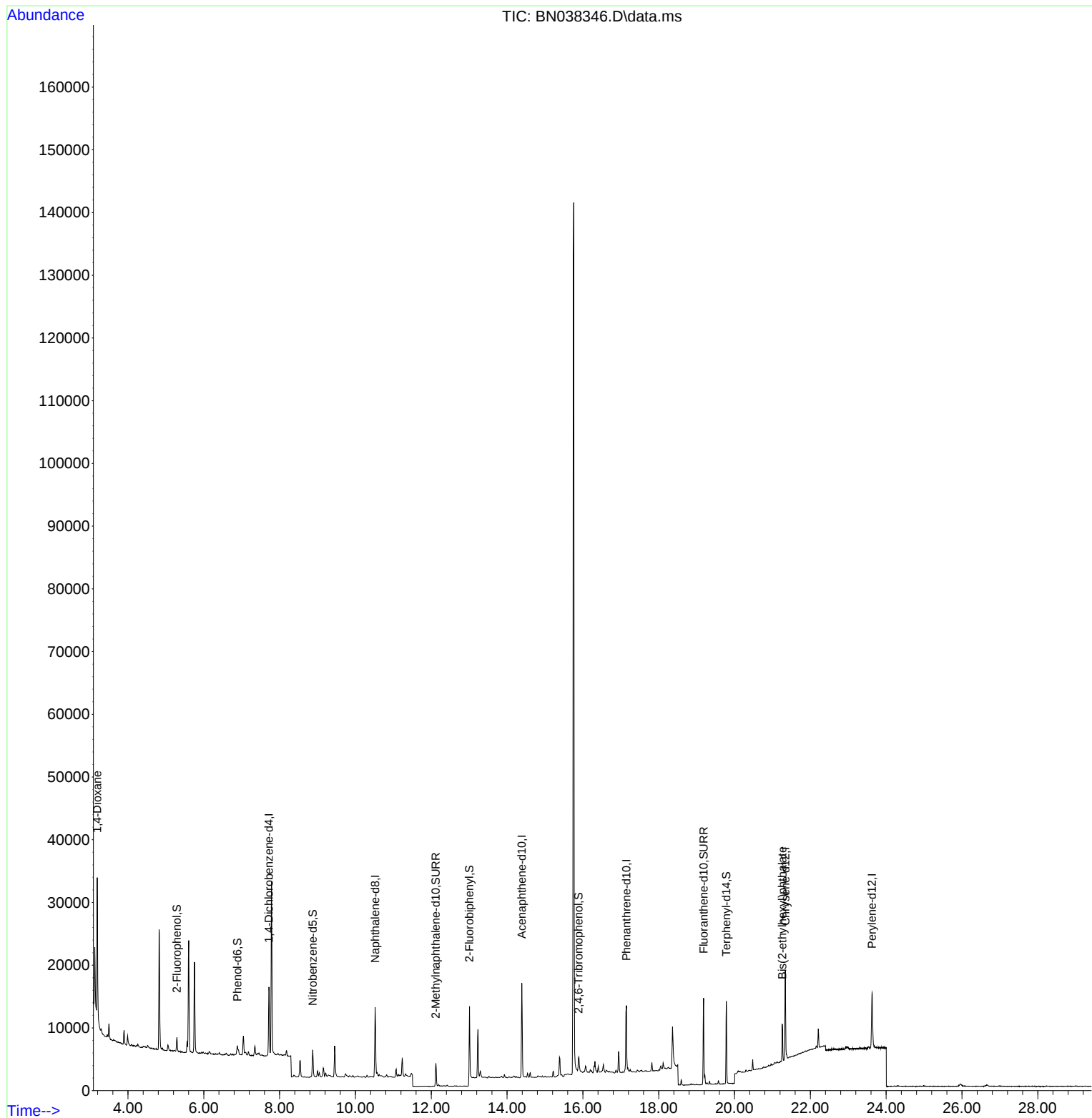
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.717	152	5531	0.400	ng	0.00
7) Naphthalene-d8	10.519	136	14873	0.400	ng	#-0.01
13) Acenaphthene-d10	14.387	164	8212	0.400	ng	-0.01
19) Phenanthrene-d10	17.148	188	16033	0.400	ng	0.00
29) Chrysene-d12	21.339	240	12704	0.400	ng	0.00
35) Perylene-d12	23.627	264	12519	0.400	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.290	112	1723	0.125	ng	0.00
5) Phenol-d6	6.886	99	1260	0.077	ng	0.00
8) Nitrobenzene-d5	8.875	82	3707	0.295	ng	0.00
11) 2-Methylnaphthalene-d10	12.121	152	5241	0.250	ng	0.00
14) 2,4,6-Tribromophenol	15.882	330	1180	0.324	ng	-0.01
15) 2-Fluorobiphenyl	13.008	172	10813	0.273	ng	0.00
27) Fluoranthene-d10	19.183	212	14269	0.360	ng	0.00
31) Terphenyl-d14	19.782	244	12001	0.423	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.189	88	12591	1.985	ng	# 96
34) Bis(2-ethylhexyl)phtha...	21.259	149	5763	0.214	ng	97

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

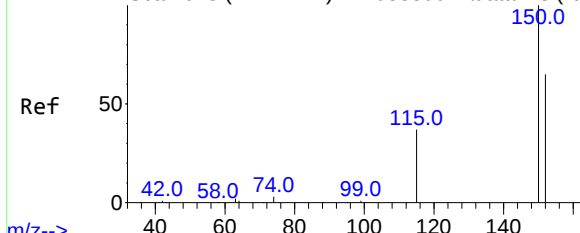
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN121225\
Data File : BN038346.D
Acq On : 12 Dec 2025 11:12
Operator : RC/JU
Sample : Q3813-01
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
BR-04DR-451-120825

Quant Time: Dec 12 11:36:15 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN121025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Dec 10 13:56:50 2025
Response via : Initial Calibration



Abundance Scan 643 (7.724 min): BN038300.D\data.ms (-63)



#1

1,4-Dichlorobenzene-d4

Concen: 0.400 ng

RT: 7.717 min Scan# 64

Delta R.T. -0.007 min

Lab File: BN038346.D

Acq: 12 Dec 2025 11:12

Instrument :

BNA_N

ClientSampleId :

BR-04DR-451-120825

Tgt Ion:152 Resp: 5531

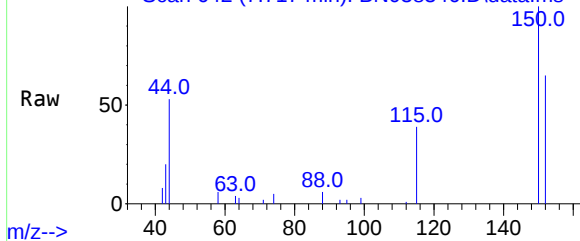
Ion Ratio Lower Upper

152 100

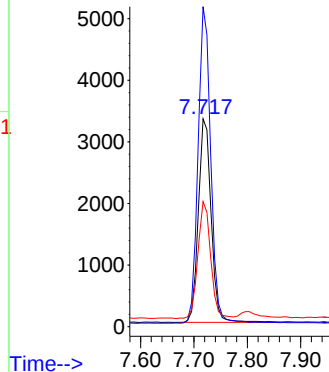
150 154.0 122.4 183.6

115 60.2 47.3 70.9

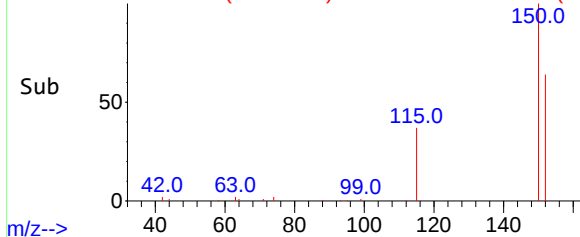
Abundance Scan 642 (7.717 min): BN038346.D\data.ms



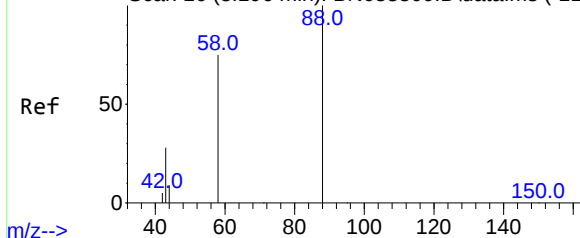
Abundance



Abundance Scan 642 (7.717 min): BN038346.D\data.ms (-61)



Abundance Scan 16 (3.196 min): BN038300.D\data.ms (-11)



#2

1,4-Dioxane

Concen: 1.985 ng

RT: 3.189 min Scan# 15

Delta R.T. -0.007 min

Lab File: BN038346.D

Acq: 12 Dec 2025 11:12

Tgt Ion: 88 Resp: 12591

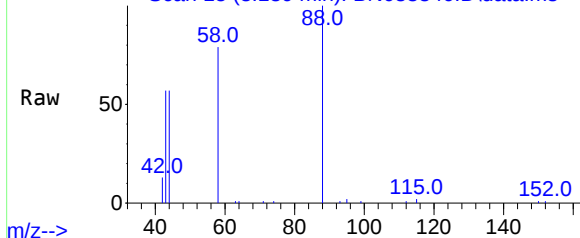
Ion Ratio Lower Upper

88 100

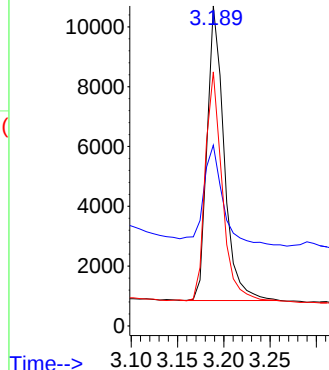
43 38.1 24.9 37.3

58 77.6 61.4 92.0

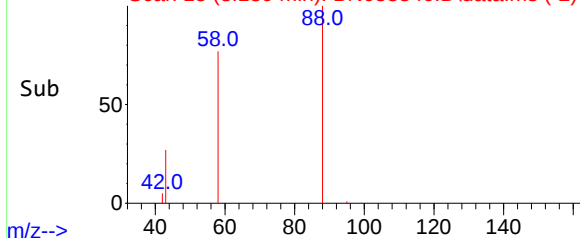
Abundance Scan 15 (3.189 min): BN038346.D\data.ms



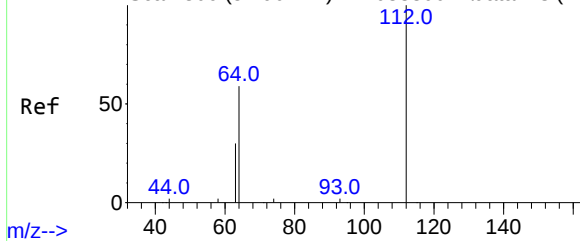
Abundance



Abundance Scan 15 (3.189 min): BN038346.D\data.ms (-2)



Abundance Scan 306 (5.290 min): BN038300.D\data.ms (-29



#4

2-Fluorophenol

Concen: 0.125 ng

RT: 5.290 min Scan# 306

Delta R.T. -0.000 min

Lab File: BN038346.D

Acq: 12 Dec 2025 11:12

Instrument :

BNA_N

ClientSampleId :

BR-04DR-451-120825

Tgt Ion:112 Resp: 1723

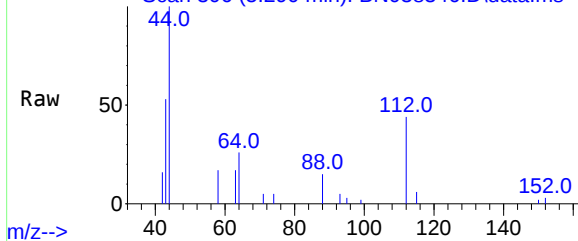
Ion Ratio Lower Upper

112 100

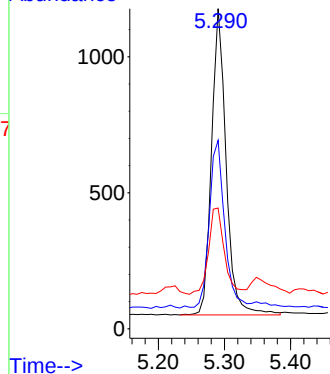
64 58.2 44.4 66.6

63 30.4 23.4 35.0

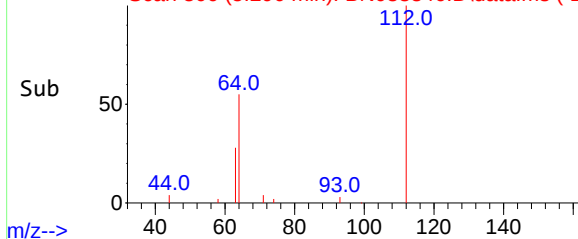
Abundance Scan 306 (5.290 min): BN038346.D\data.ms



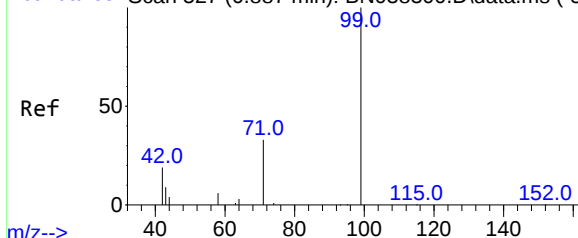
Abundance



Abundance Scan 306 (5.290 min): BN038346.D\data.ms (-27



Abundance Scan 527 (6.887 min): BN038300.D\data.ms (-52



#5

Phenol-d6

Concen: 0.077 ng

RT: 6.886 min Scan# 527

Delta R.T. -0.000 min

Lab File: BN038346.D

Acq: 12 Dec 2025 11:12

Tgt Ion: 99 Resp: 1260

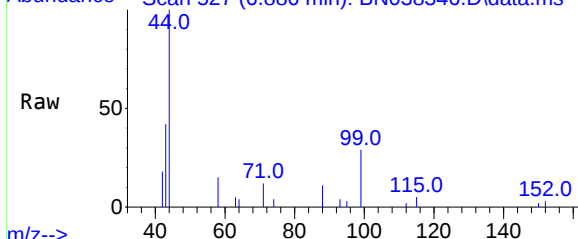
Ion Ratio Lower Upper

99 100

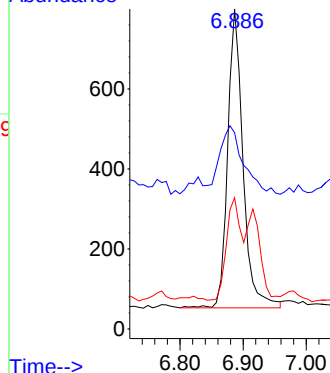
42 35.4 16.5 24.7#

71 34.4 24.9 37.3

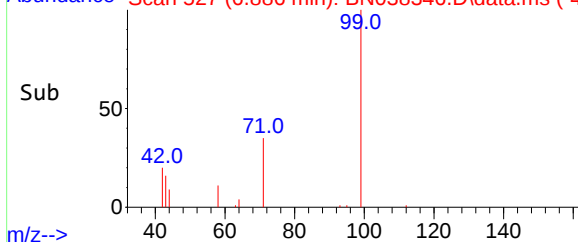
Abundance Scan 527 (6.886 min): BN038346.D\data.ms

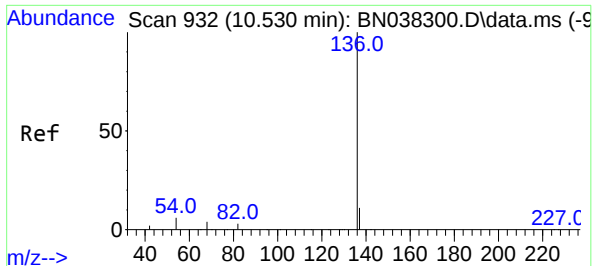


Abundance



Abundance Scan 527 (6.886 min): BN038346.D\data.ms (-49

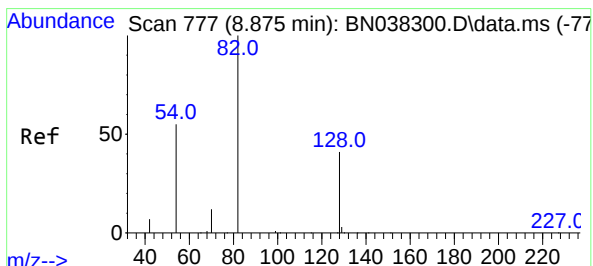
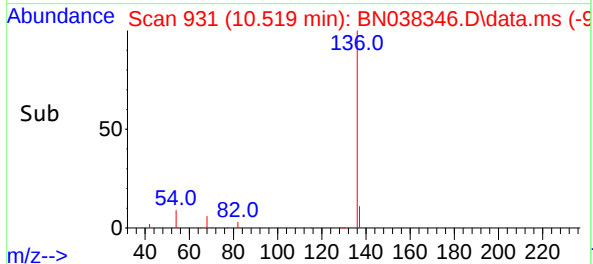
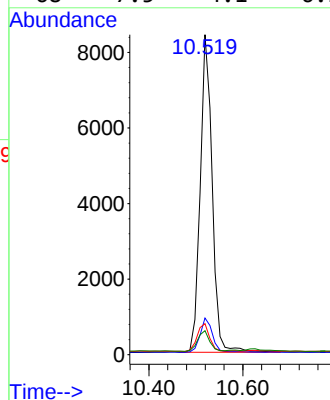
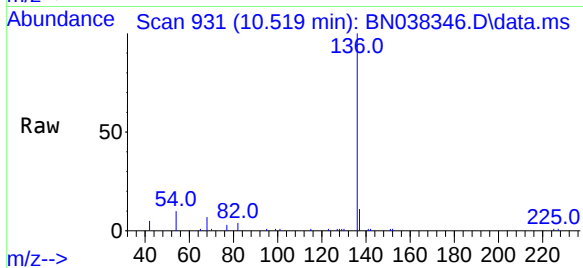




#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.519 min Scan# 911
Delta R.T. -0.011 min
Lab File: BN038346.D
Acq: 12 Dec 2025 11:12

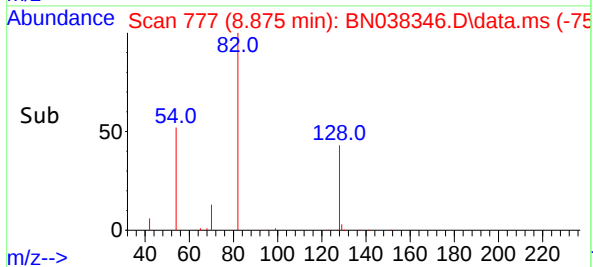
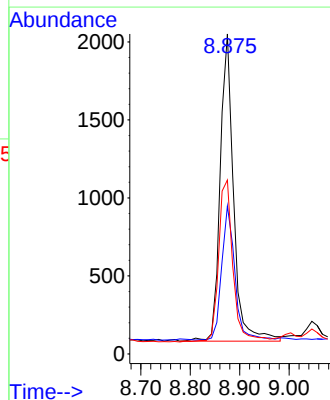
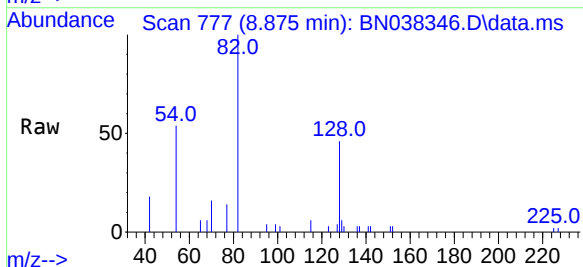
Instrument :
BNA_N
ClientSampleId :
BR-04DR-451-120825

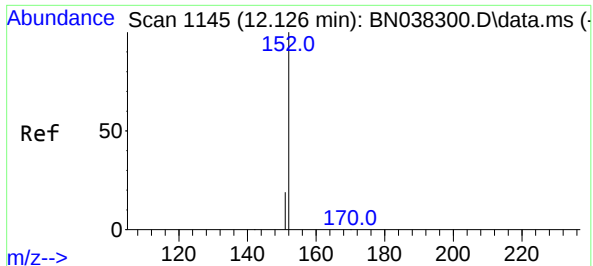
Tgt Ion:136 Resp: 14873
Ion Ratio Lower Upper
136 100
137 11.5 9.1 13.7
54 9.7 5.2 7.8#
68 7.5 4.1 6.1#



#8
Nitrobenzene-d5
Concen: 0.295 ng
RT: 8.875 min Scan# 777
Delta R.T. -0.000 min
Lab File: BN038346.D
Acq: 12 Dec 2025 11:12

Tgt Ion: 82 Resp: 3707
Ion Ratio Lower Upper
82 100
128 46.2 34.0 51.0
54 54.4 44.4 66.6

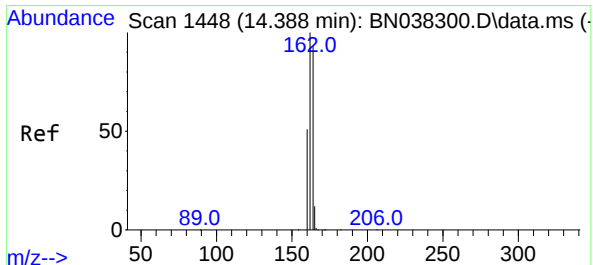
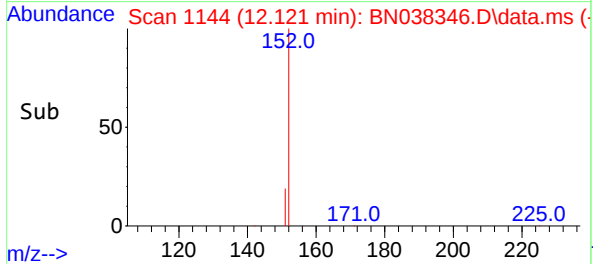
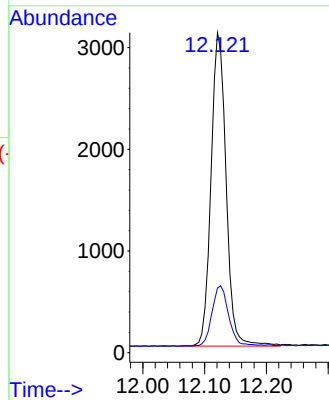
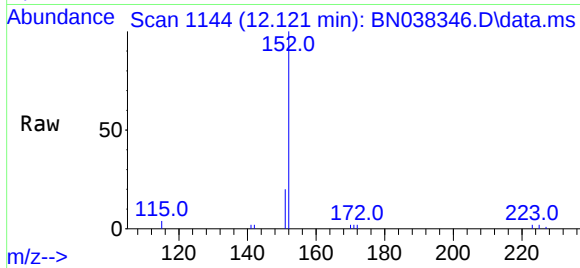




#11
2-Methylnaphthalene-d10
Concen: 0.250 ng
RT: 12.121 min Scan# 1144
Delta R.T. -0.005 min
Lab File: BN038346.D
Acq: 12 Dec 2025 11:12

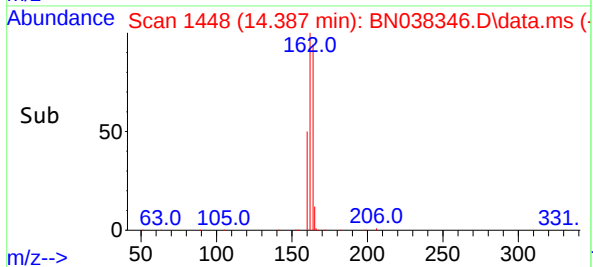
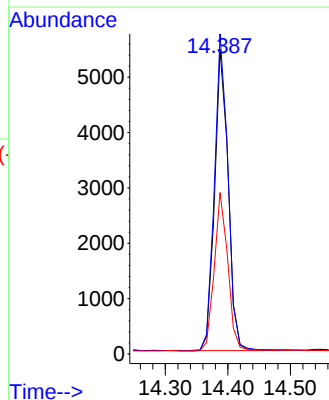
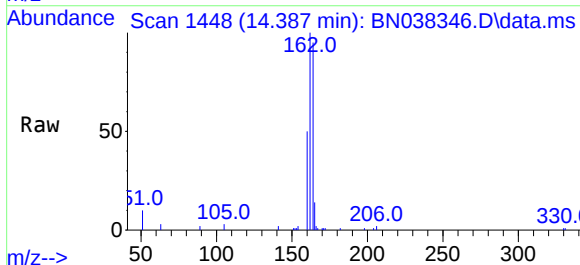
Instrument :
BNA_N
ClientSampleId :
BR-04DR-451-120825

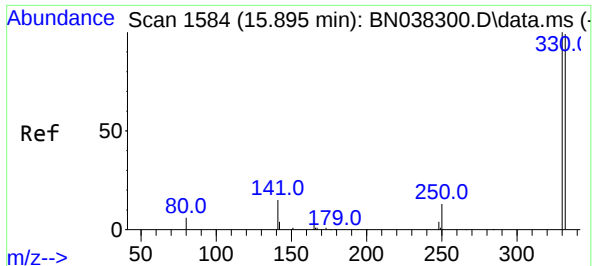
Tgt Ion:152 Resp: 5241
Ion Ratio Lower Upper
152 100
151 21.2 17.0 25.6



#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.387 min Scan# 1448
Delta R.T. -0.011 min
Lab File: BN038346.D
Acq: 12 Dec 2025 11:12

Tgt Ion:164 Resp: 8212
Ion Ratio Lower Upper
164 100
162 105.1 86.2 129.4
160 53.0 44.6 67.0

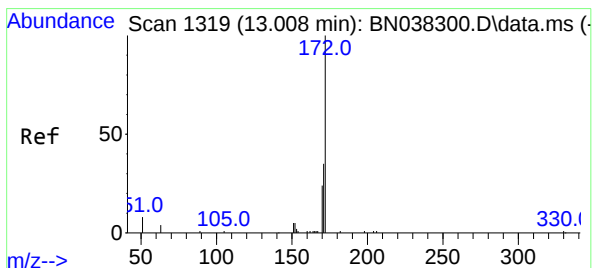
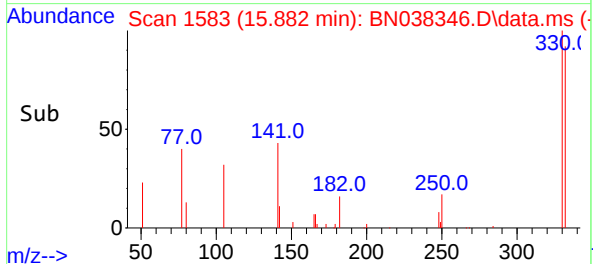
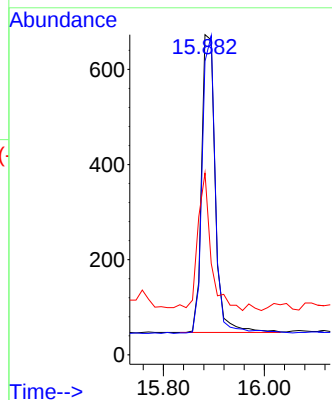
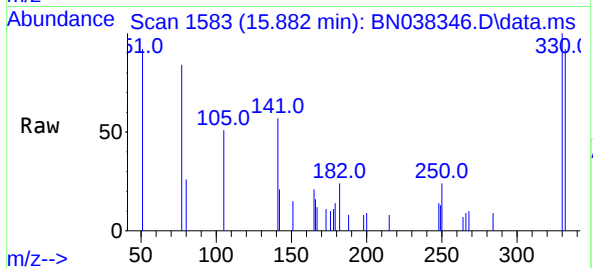




#14
2,4,6-Tribromophenol
Concen: 0.324 ng
RT: 15.882 min Scan# 1583
Delta R.T. -0.013 min
Lab File: BN038346.D
Acq: 12 Dec 2025 11:12

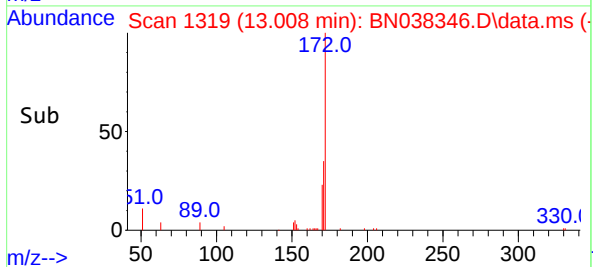
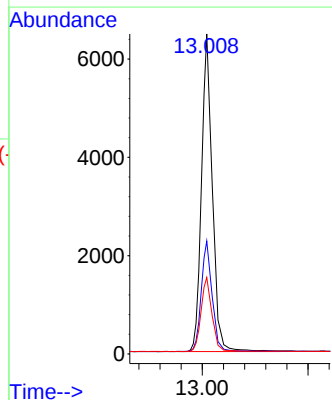
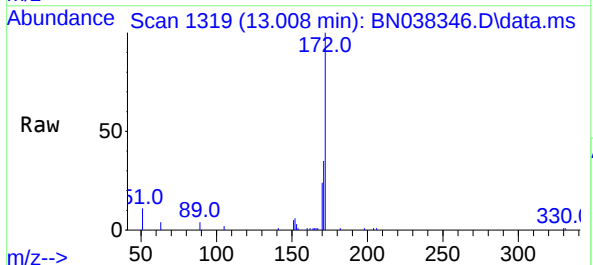
Instrument :
BNA_N
ClientSampleId :
BR-04DR-451-120825

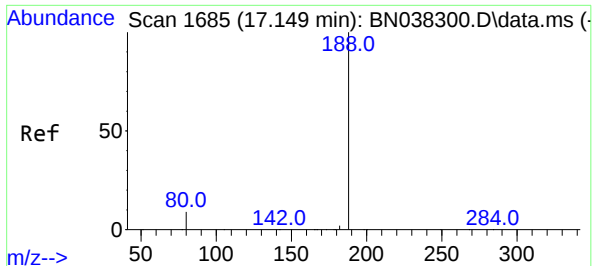
Tgt Ion:330 Resp: 1180
Ion Ratio Lower Upper
330 100
332 96.9 75.8 113.6
141 44.9 31.8 47.8



#15
2-Fluorobiphenyl
Concen: 0.273 ng
RT: 13.008 min Scan# 1319
Delta R.T. -0.000 min
Lab File: BN038346.D
Acq: 12 Dec 2025 11:12

Tgt Ion:172 Resp: 10813
Ion Ratio Lower Upper
172 100
171 35.3 28.6 42.8
170 23.9 19.3 28.9

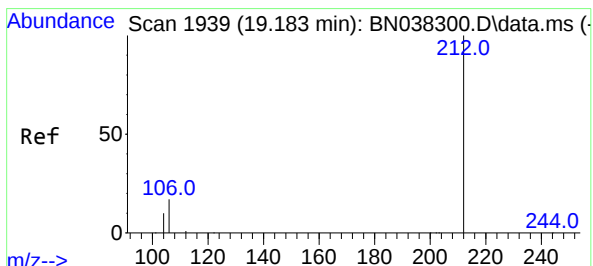
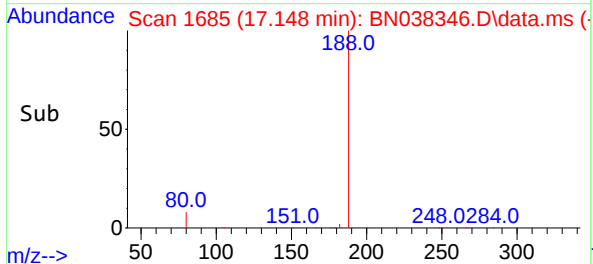
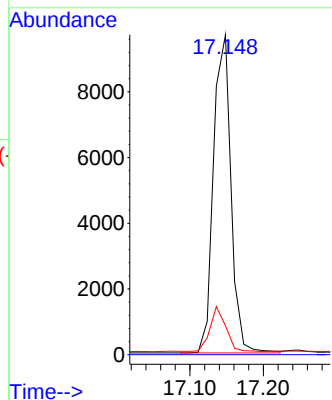
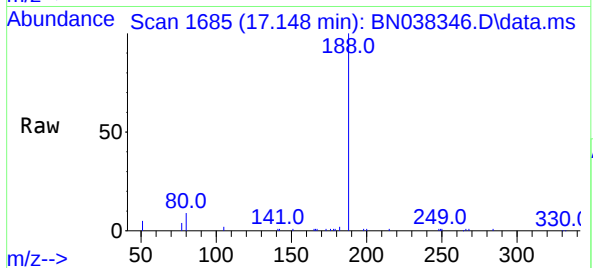




#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.148 min Scan# 1685
Delta R.T. -0.000 min
Lab File: BN038346.D
Acq: 12 Dec 2025 11:12

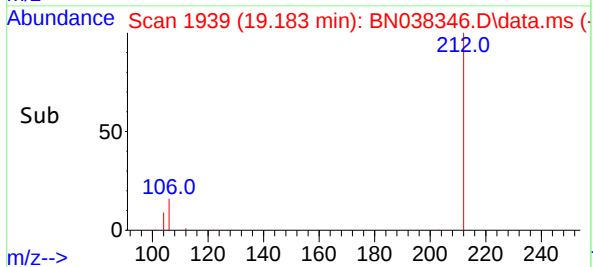
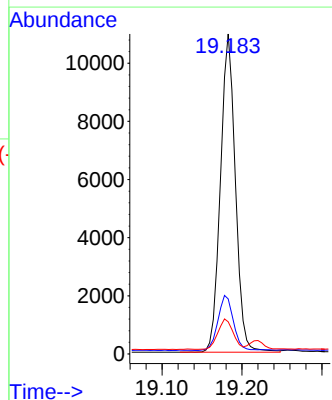
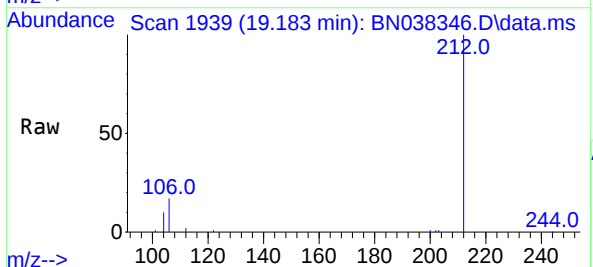
Instrument :
BNA_N
ClientSampleId :
BR-04DR-451-120825

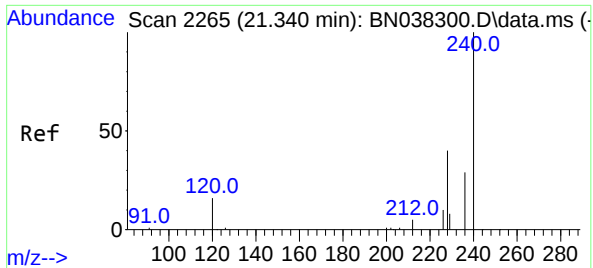
Tgt Ion:188 Resp: 16033
Ion Ratio Lower Upper
188 100
94 0.0 0.0 0.0
80 9.0 7.4 11.0



#27
Fluoranthene-d10
Concen: 0.360 ng
RT: 19.183 min Scan# 1939
Delta R.T. -0.005 min
Lab File: BN038346.D
Acq: 12 Dec 2025 11:12

Tgt Ion:212 Resp: 14269
Ion Ratio Lower Upper
212 100
106 17.9 13.7 20.5
104 9.7 7.8 11.8

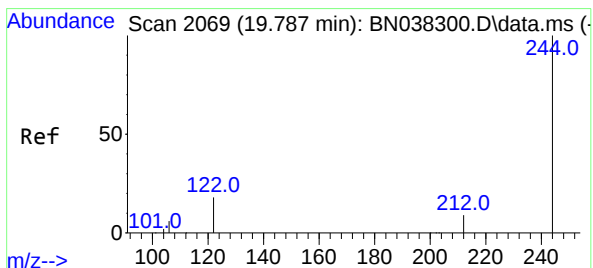
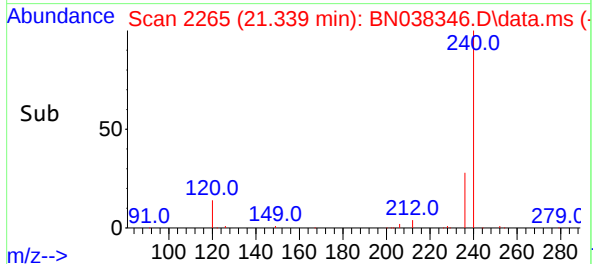
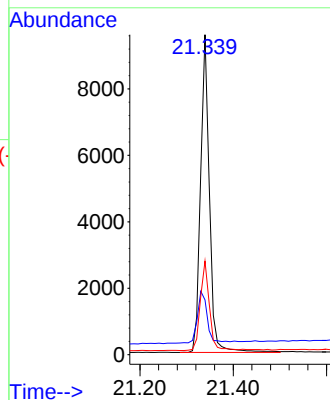
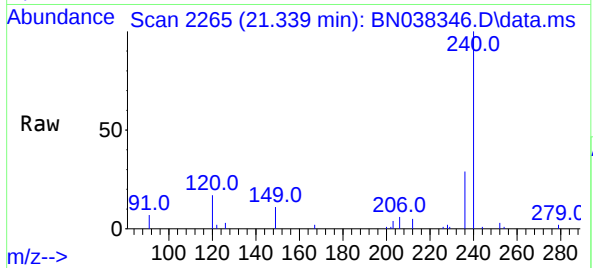




#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.339 min Scan# 21
Delta R.T. -0.000 min
Lab File: BN038346.D
Acq: 12 Dec 2025 11:12

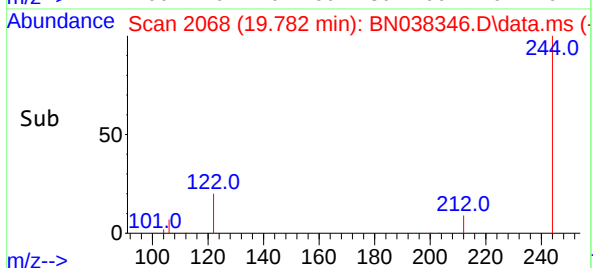
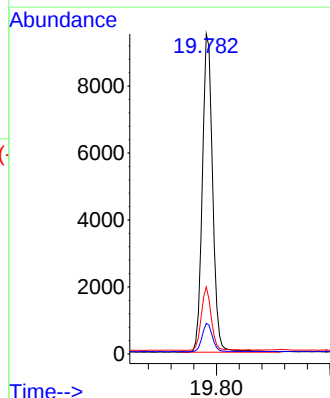
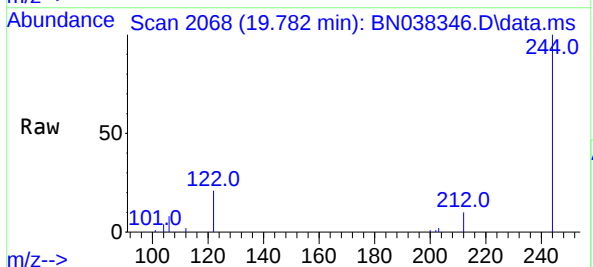
Instrument :
BNA_N
ClientSampleId :
BR-04DR-451-120825

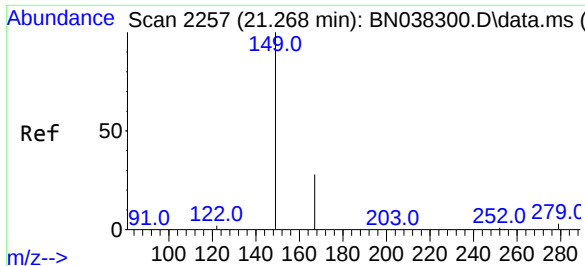
Tgt Ion	Ratio	Lower	Upper
240	100		
120	17.1	15.4	23.2
236	29.3	23.9	35.9



#31
Terphenyl-d14
Concen: 0.423 ng
RT: 19.782 min Scan# 2068
Delta R.T. -0.009 min
Lab File: BN038346.D
Acq: 12 Dec 2025 11:12

Tgt Ion	Ratio	Lower	Upper
244	100		
212	9.5	7.9	11.9
122	21.0	15.0	22.6

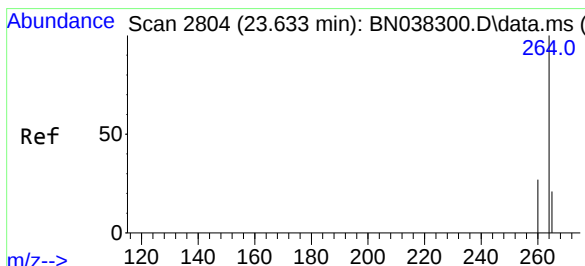
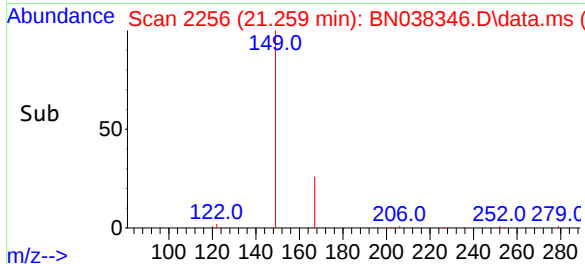
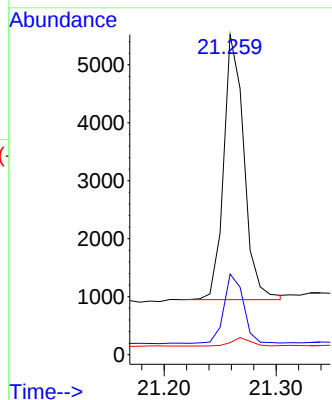
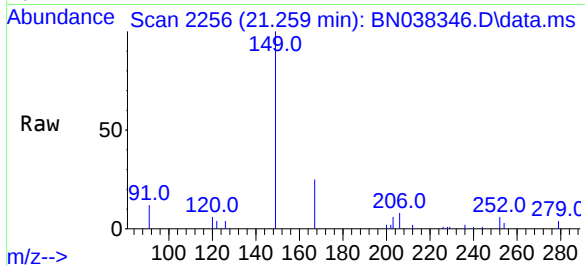




#34
Bis(2-ethylhexyl)phthalate
Concen: 0.214 ng
RT: 21.259 min Scan# 21
Delta R.T. -0.009 min
Lab File: BN038346.D
Acq: 12 Dec 2025 11:12

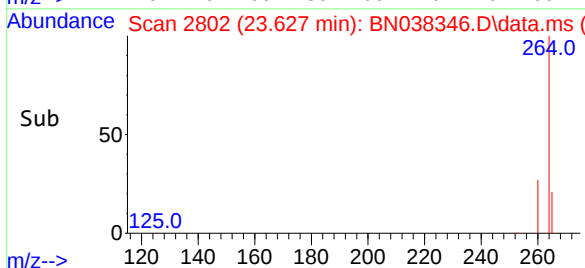
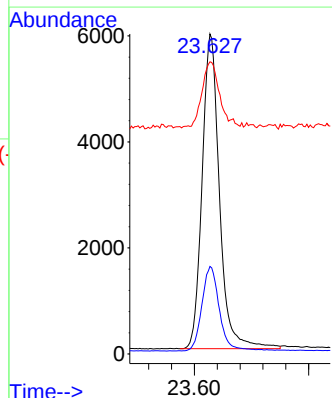
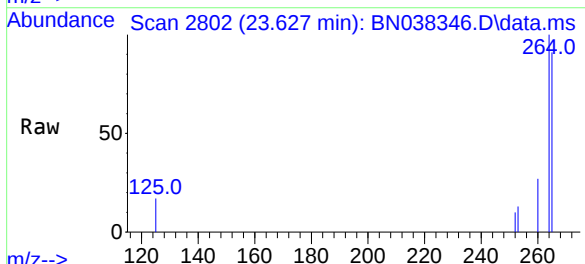
Instrument :
BNA_N
ClientSampleId :
BR-04DR-451-120825

Tgt Ion:149 Resp: 5763
Ion Ratio Lower Upper
149 100
167 25.1 21.4 32.0
279 3.0 2.4 3.6



#35
Perylene-d12
Concen: 0.400 ng
RT: 23.627 min Scan# 2802
Delta R.T. -0.006 min
Lab File: BN038346.D
Acq: 12 Dec 2025 11:12

Tgt Ion:264 Resp: 12519
Ion Ratio Lower Upper
264 100
260 27.4 22.2 33.2
265 91.3 80.2 120.2





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

Report of Analysis

Client:	JACOBS Engineering Group, Inc.	Date Collected:	12/08/25
Project:	Former Schlumberger STC PTC Site D3868221	Date Received:	12/08/25
Client Sample ID:	EB01-120825	SDG No.:	Q3813
Lab Sample ID:	Q3813-03	Matrix:	Water
Analytical Method:	SW8270ESIM	% Solid:	0
Sample Wt/Vol:	910 mL	Test:	SVOC-SIMGroup1
Prep Method :	3510C		
	Level: LOW		
	Final Vol: 1000 uL		
	Prep Date: 12/11/25		

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	0.22	ug/L	12/12/25 11:49	PB170912
SURROGATES									
7297-45-2	2-Methylnaphthalene-d10	0.27			30 (47) - 150 (106)	68%	SPK: 0.4		
93951-69-0	Fluoranthene-d10	0.36			30 (54) - 150 (157)	90%	SPK: 0.4		
4165-60-0	Nitrobenzene-d5	0.33			30 (56) - 130 (116)	83%	SPK: 0.4		
321-60-8	2-Fluorobiphenyl	0.29			30 (50) - 130 (126)	73%	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	6000							
1146-65-2	Naphthalene-d8	15600							
15067-26-2	Acenaphthene-d10	8460							
1517-22-2	Phenanthrene-d10	16000							
1719-03-5	Chrysene-d12	12300							
1520-96-3	Perylene-d12	12300							

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\BN121225\
 Data File : BN038347.D
 Acq On : 12 Dec 2025 11:49
 Operator : RC/JU
 Sample : Q3813-03
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 EB01-120825

Quant Time: Dec 12 12:12:41 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN121025.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Dec 10 13:56:50 2025
 Response via : Initial Calibration

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

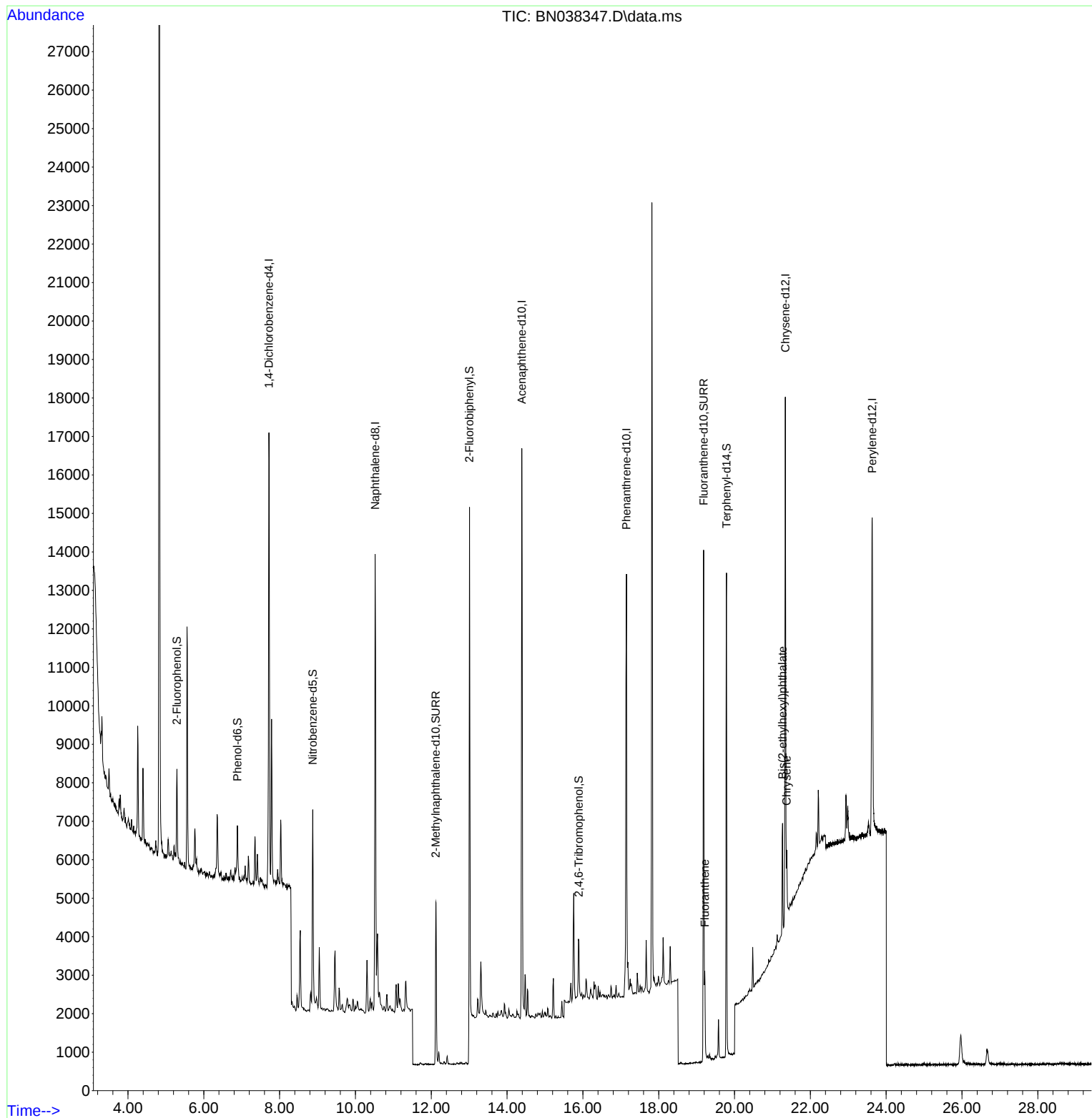
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.717	152	6003	0.400	ng	0.00
7) Naphthalene-d8	10.520	136	15645	0.400	ng	#-0.01
13) Acenaphthene-d10	14.388	164	8460	0.400	ng	-0.01
19) Phenanthrene-d10	17.149	188	16049	0.400	ng	0.00
29) Chrysene-d12	21.340	240	12341	0.400	ng	0.00
35) Perylene-d12	23.630	264	12255	0.400	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.291	112	1999	0.134	ng	0.00
5) Phenol-d6	6.887	99	1375	0.077	ng	0.00
8) Nitrobenzene-d5	8.875	82	4377	0.332	ng	0.00
11) 2-Methylnaphthalene-d10	12.121	152	6027	0.273	ng	0.00
14) 2,4,6-Tribromophenol	15.895	330	1110	0.296	ng	0.00
15) 2-Fluorobiphenyl	13.008	172	11880	0.291	ng	0.00
27) Fluoranthene-d10	19.183	212	14370	0.362	ng	0.00
31) Terphenyl-d14	19.787	244	11910	0.432	ng	0.00
Target Compounds						
28) Fluoranthene	19.215	202	1366	0.023	ng	# 81
33) Chrysene	21.375	228	1204	0.023	ng	# 90
34) Bis(2-ethylhexyl)phtha...	21.268	149	3031	0.116	ng	97

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

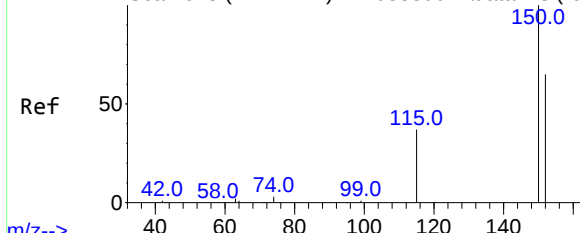
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN121225\
Data File : BN038347.D
Acq On : 12 Dec 2025 11:49
Operator : RC/JU
Sample : Q3813-03
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
EB01-120825

Quant Time: Dec 12 12:12:41 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN121025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Dec 10 13:56:50 2025
Response via : Initial Calibration



Abundance Scan 643 (7.724 min): BN038300.D\data.ms (-63



#1

1,4-Dichlorobenzene-d4

Concen: 0.400 ng

RT: 7.717 min Scan# 64

Delta R.T. -0.007 min

Lab File: BN038347.D

Acq: 12 Dec 2025 11:49

Instrument :

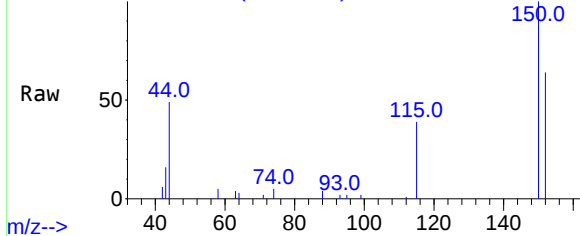
BNA_N

ClientSampleId :

EB01-120825

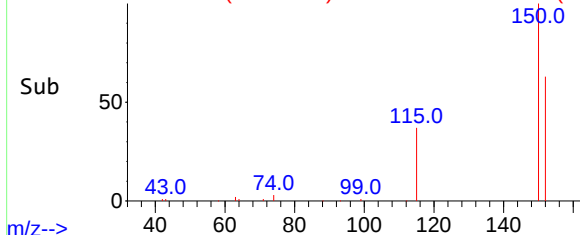
m/z-->

Abundance Scan 642 (7.717 min): BN038347.D\data.ms



m/z-->

Abundance Scan 642 (7.717 min): BN038347.D\data.ms (-61



m/z-->

Tgt Ion:152 Resp: 6003

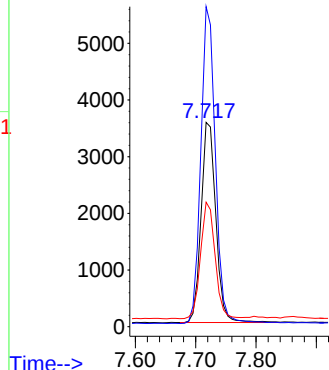
Ion Ratio Lower Upper

152 100

150 156.6 122.4 183.6

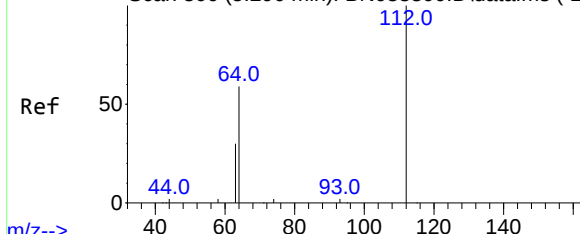
115 60.9 47.3 70.9

Abundance



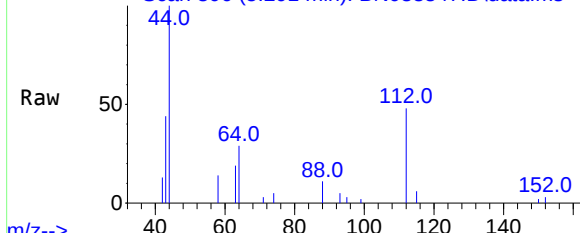
Time-->

Abundance Scan 306 (5.290 min): BN038300.D\data.ms (-29



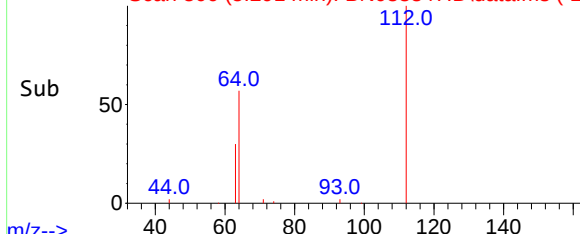
m/z-->

Abundance Scan 306 (5.291 min): BN038347.D\data.ms



m/z-->

Abundance Scan 306 (5.291 min): BN038347.D\data.ms (-27



m/z-->

#4

2-Fluorophenol

Concen: 0.134 ng

RT: 5.291 min Scan# 306

Delta R.T. 0.000 min

Lab File: BN038347.D

Acq: 12 Dec 2025 11:49

Tgt Ion:112 Resp: 1999

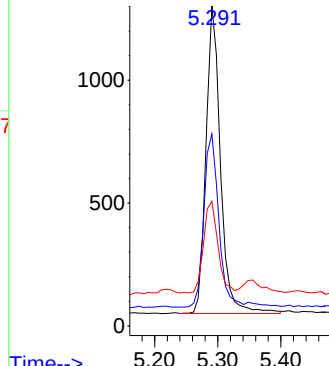
Ion Ratio Lower Upper

112 100

64 57.2 44.4 66.6

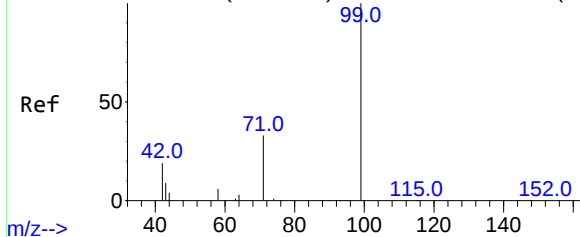
63 29.4 23.4 35.0

Abundance



Time-->

Abundance Scan 527 (6.887 min): BN038300.D\data.ms (-52



#5

Phenol-d6

Concen: 0.077 ng

RT: 6.887 min Scan# 51

Delta R.T. 0.000 min

Lab File: BN038347.D

Acq: 12 Dec 2025 11:49

Instrument :

BNA_N

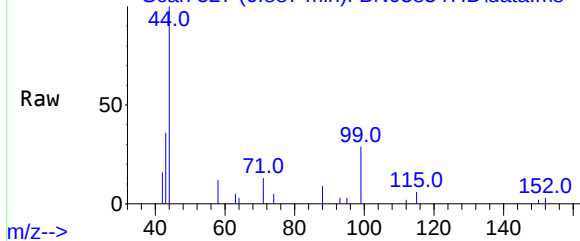
ClientSampleId :

EB01-120825

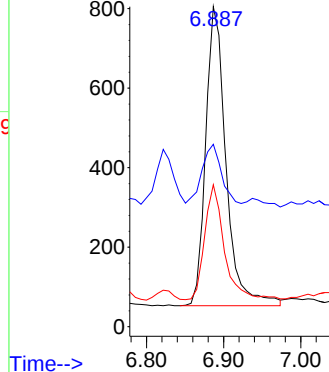
Tgt Ion: 99 Resp: 1375

Ion	Ratio	Lower	Upper
99	100		
42	19.1	16.5	24.7
71	37.5	24.9	37.3

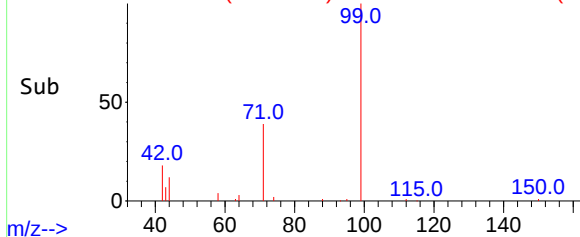
Abundance Scan 527 (6.887 min): BN038347.D\data.ms



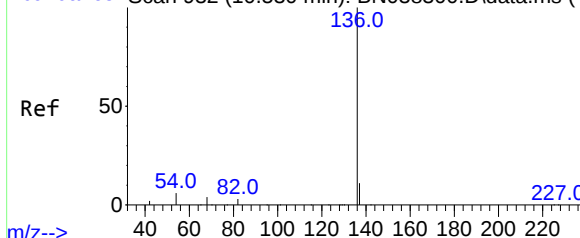
Abundance



Abundance Scan 527 (6.887 min): BN038347.D\data.ms (-49



Abundance Scan 932 (10.530 min): BN038300.D\data.ms (-9



#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.520 min Scan# 931

Delta R.T. -0.011 min

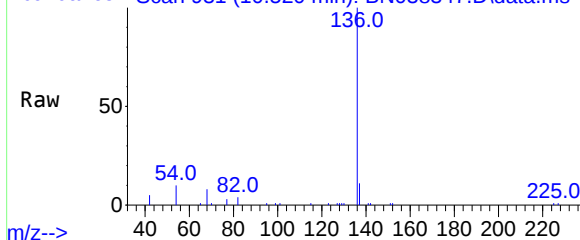
Lab File: BN038347.D

Acq: 12 Dec 2025 11:49

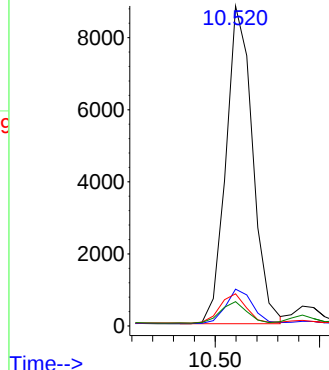
Tgt Ion: 136 Resp: 15645

Ion	Ratio	Lower	Upper
136	100		
137	11.5	9.1	13.7
54	10.0	5.2	7.8
68	7.6	4.1	6.1

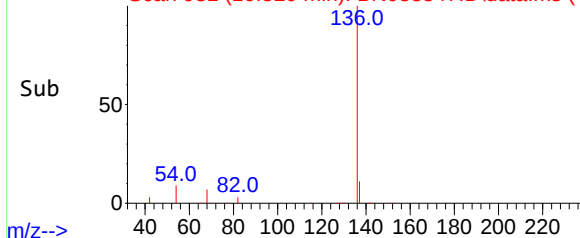
Abundance Scan 931 (10.520 min): BN038347.D\data.ms

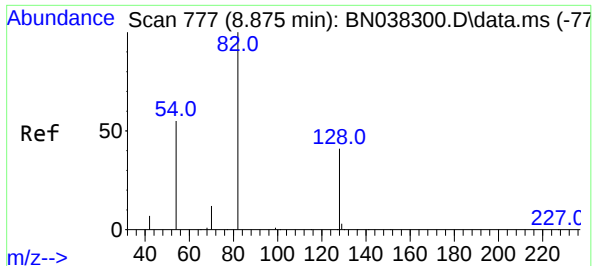


Abundance



Abundance Scan 931 (10.520 min): BN038347.D\data.ms (-9

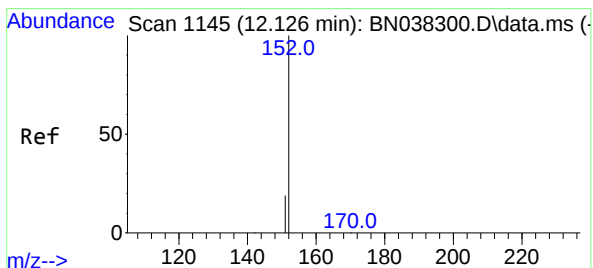
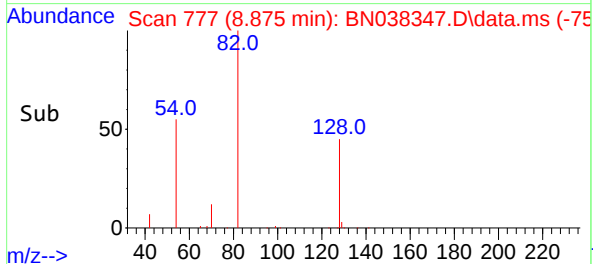
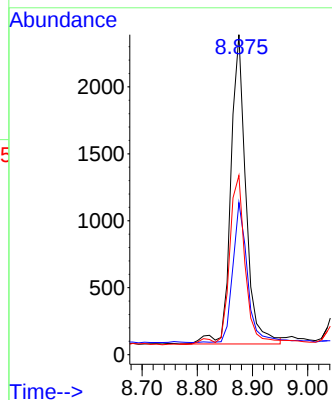
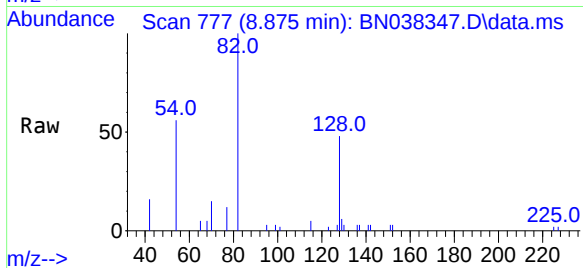




#8
Nitrobenzene-d5
Concen: 0.332 ng
RT: 8.875 min Scan# 71
Delta R.T. 0.000 min
Lab File: BN038347.D
Acq: 12 Dec 2025 11:49

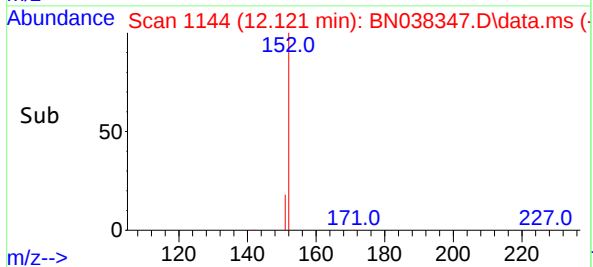
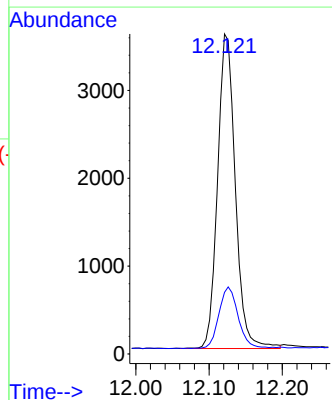
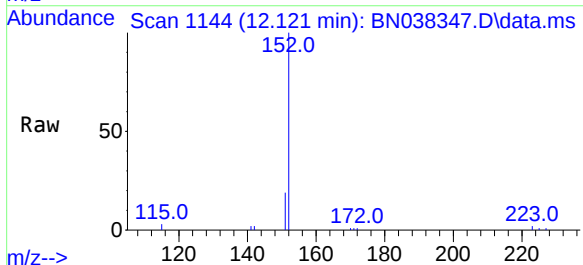
Instrument :
BNA_N
ClientSampleId :
EB01-120825

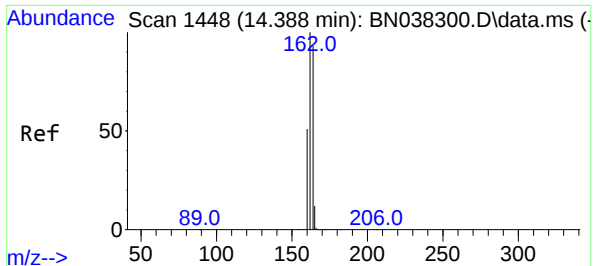
Tgt Ion: 82 Resp: 4377
Ion Ratio Lower Upper
82 100
128 47.5 34.0 51.0
54 56.0 44.4 66.6



#11
2-Methylnaphthalene-d10
Concen: 0.273 ng
RT: 12.121 min Scan# 1144
Delta R.T. -0.005 min
Lab File: BN038347.D
Acq: 12 Dec 2025 11:49

Tgt Ion: 152 Resp: 6027
Ion Ratio Lower Upper
152 100
151 21.5 17.0 25.6

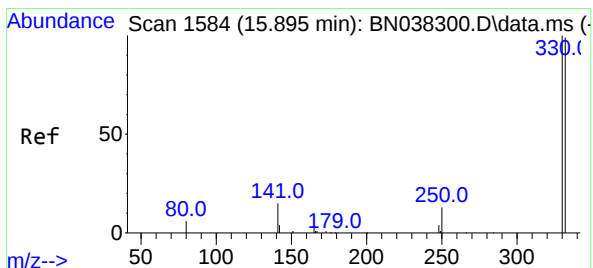
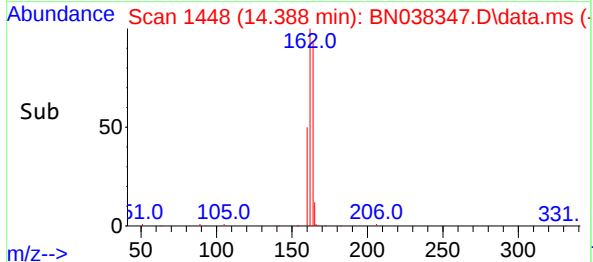
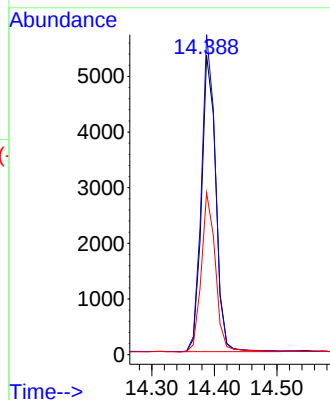
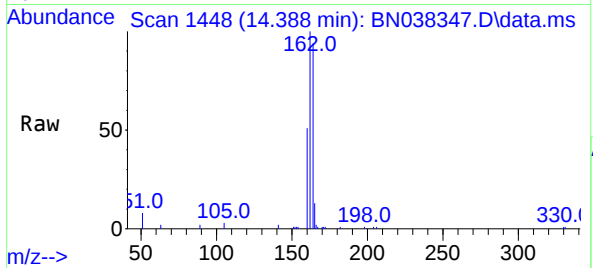




#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.388 min Scan# 1448
Delta R.T. -0.011 min
Lab File: BN038347.D
Acq: 12 Dec 2025 11:49

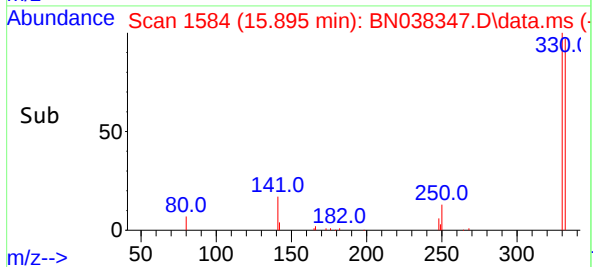
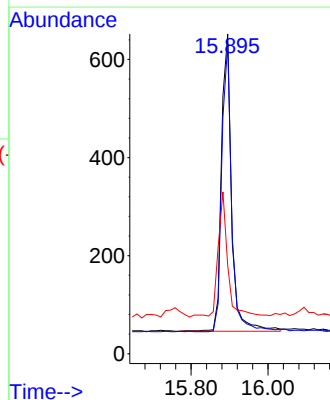
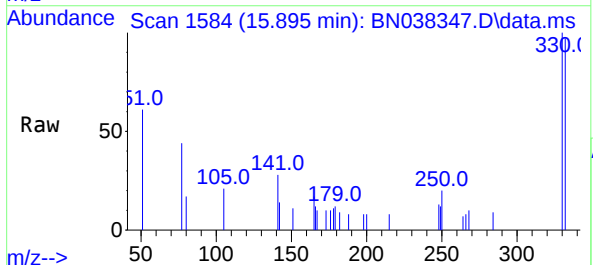
Instrument :
BNA_N
ClientSampleId :
EB01-120825

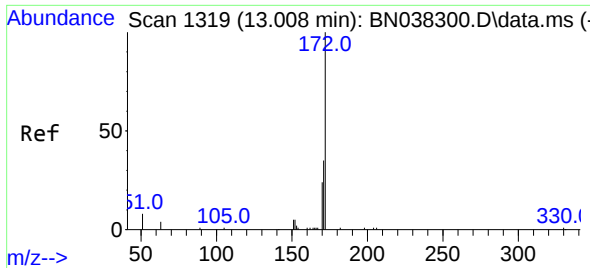
Tgt Ion:164 Resp: 8460
Ion Ratio Lower Upper
164 100
162 106.9 86.2 129.4
160 54.1 44.6 67.0



#14
2,4,6-Tribromophenol
Concen: 0.296 ng
RT: 15.895 min Scan# 1584
Delta R.T. 0.000 min
Lab File: BN038347.D
Acq: 12 Dec 2025 11:49

Tgt Ion:330 Resp: 1110
Ion Ratio Lower Upper
330 100
332 93.9 75.8 113.6
141 40.9 31.8 47.8

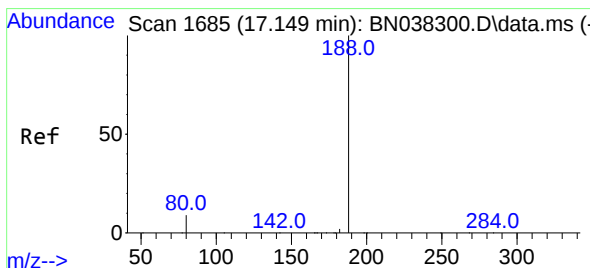
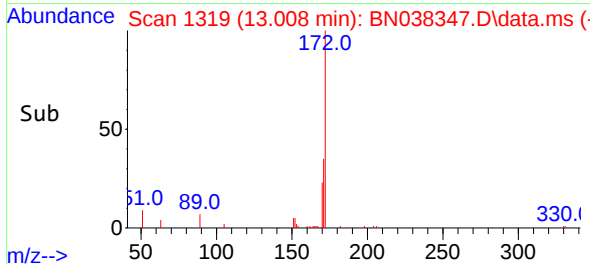
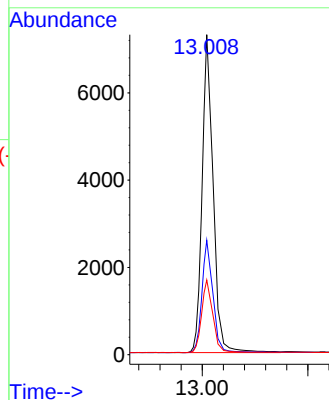
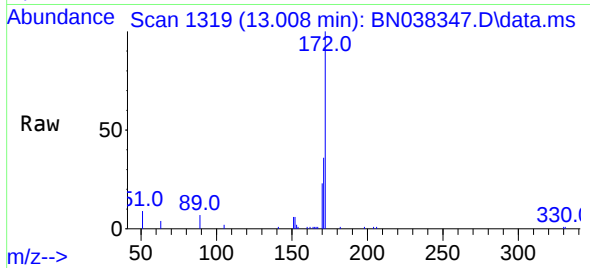




#15
2-Fluorobiphenyl
Concen: 0.291 ng
RT: 13.008 min Scan# 11
Delta R.T. 0.000 min
Lab File: BN038347.D
Acq: 12 Dec 2025 11:49

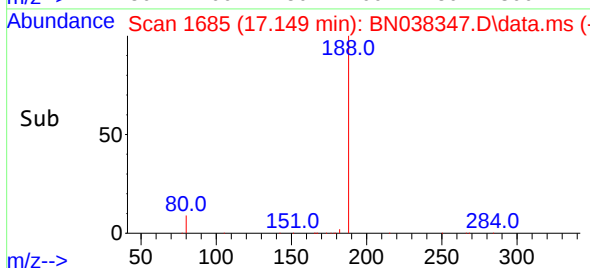
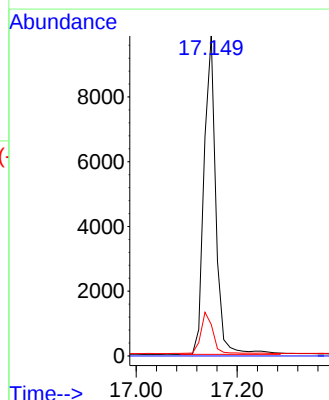
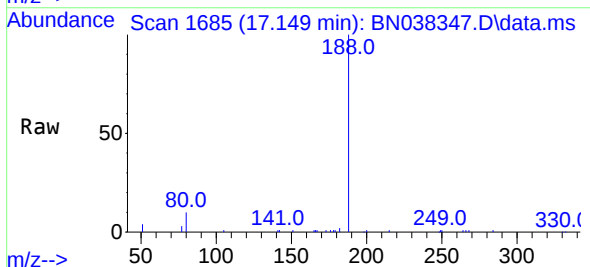
Instrument :
BNA_N
ClientSampleId :
EB01-120825

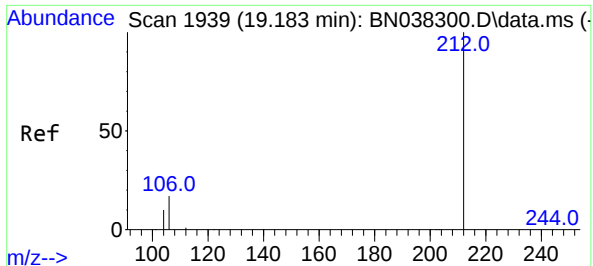
Tgt Ion:	172	Resp:	11880
Ion	Ratio	Lower	Upper
172	100		
171	35.8	28.6	42.8
170	23.4	19.3	28.9



#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.149 min Scan# 1685
Delta R.T. 0.000 min
Lab File: BN038347.D
Acq: 12 Dec 2025 11:49

Tgt Ion:	188	Resp:	16049
Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	9.8	7.4	11.0

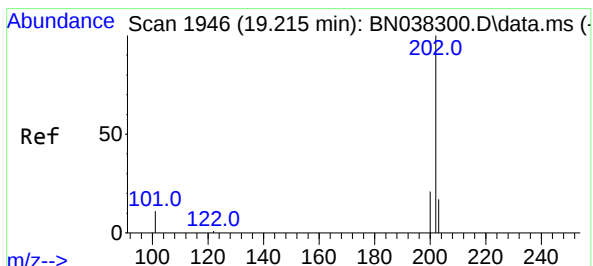
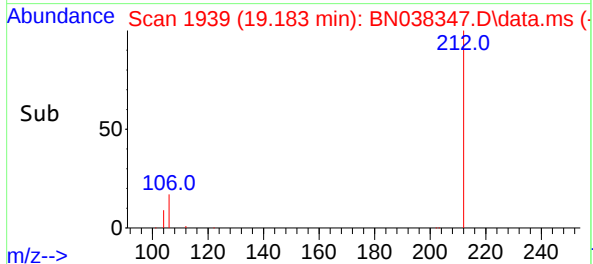
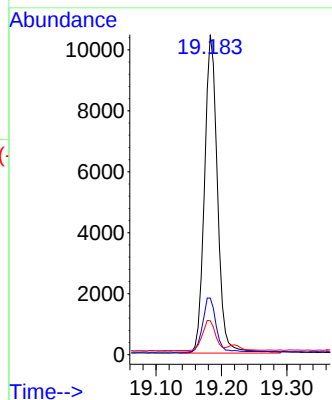
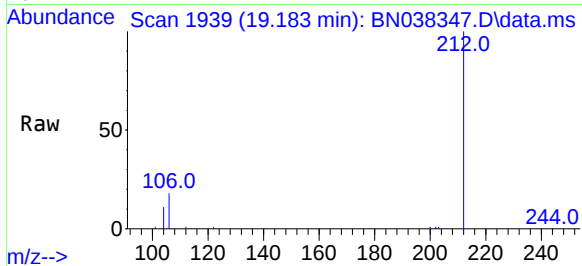




#27
Fluoranthene-d10
Concen: 0.362 ng
RT: 19.183 min Scan# 1939
Delta R.T. -0.005 min
Lab File: BN038347.D
Acq: 12 Dec 2025 11:49

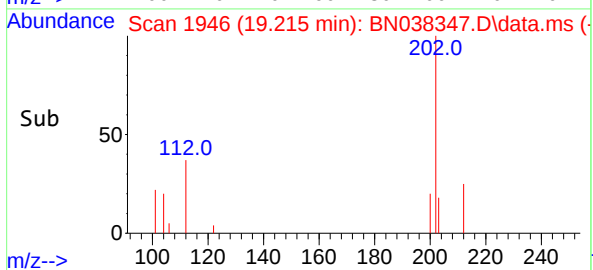
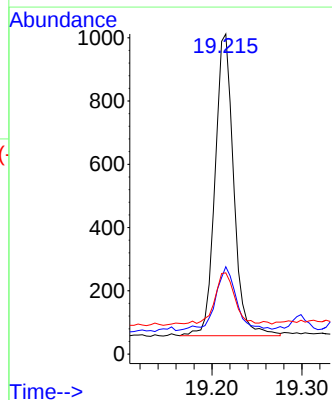
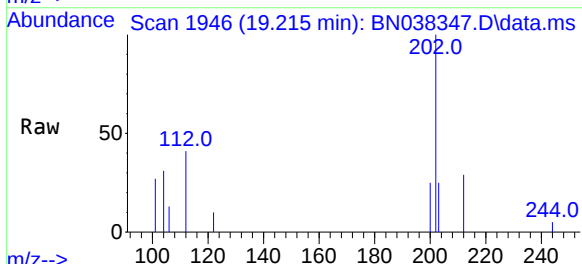
Instrument :
BNA_N
ClientSampleId :
EB01-120825

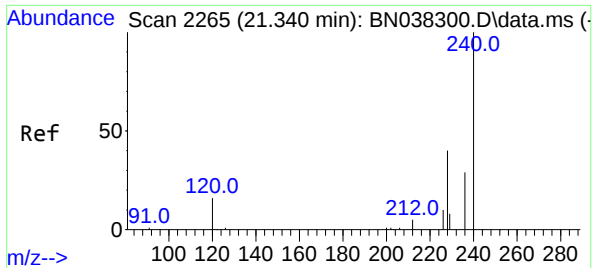
Tgt Ion	Ratio	Lower	Upper
212	100		
106	17.7	13.7	20.5
104	9.6	7.8	11.8



#28
Fluoranthene
Concen: 0.023 ng
RT: 19.215 min Scan# 1946
Delta R.T. -0.005 min
Lab File: BN038347.D
Acq: 12 Dec 2025 11:49

Tgt Ion	Ratio	Lower	Upper
202	100		
101	26.2	9.6	14.4
203	19.9	13.5	20.3

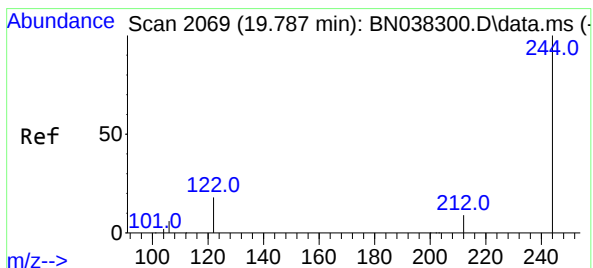
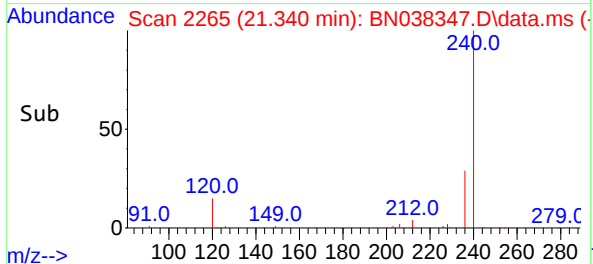
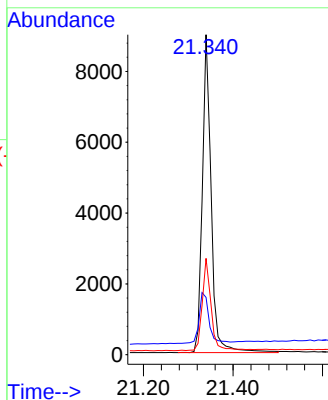
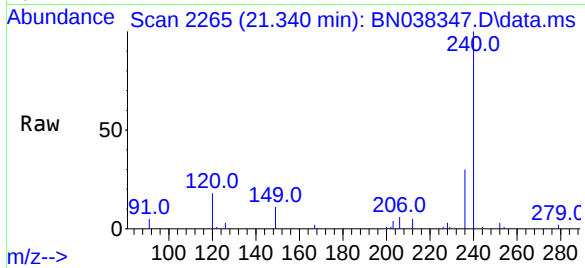




#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.340 min Scan# 21
Delta R.T. 0.000 min
Lab File: BN038347.D
Acq: 12 Dec 2025 11:49

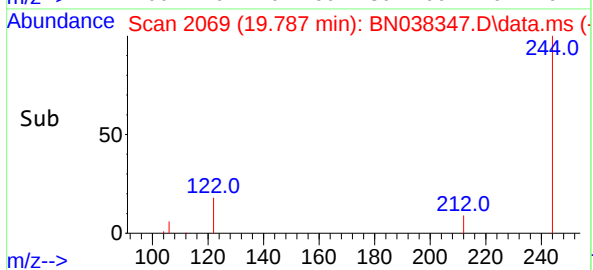
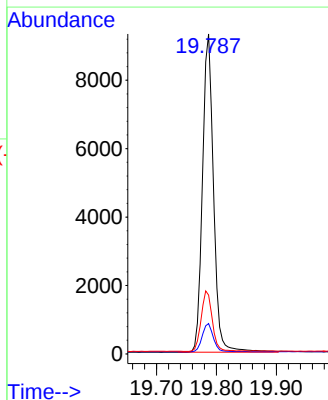
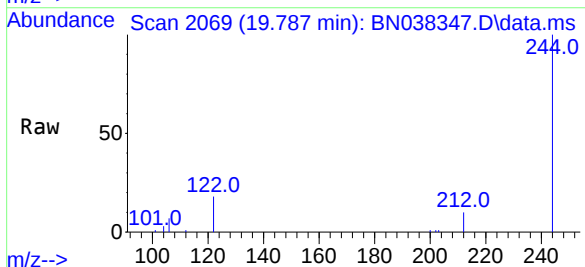
Instrument :
BNA_N
ClientSampleId :
EB01-120825

Tgt Ion:	240	Resp:	12341
Ion	Ratio	Lower	Upper
240	100		
120	17.9	15.4	23.2
236	30.1	23.9	35.9

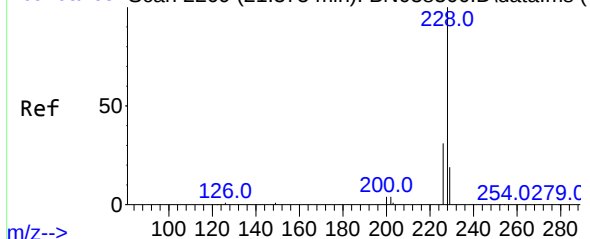


#31
Terphenyl-d14
Concen: 0.432 ng
RT: 19.787 min Scan# 2069
Delta R.T. -0.005 min
Lab File: BN038347.D
Acq: 12 Dec 2025 11:49

Tgt Ion:	244	Resp:	11910
Ion	Ratio	Lower	Upper
244	100		
212	9.5	7.9	11.9
122	18.4	15.0	22.6

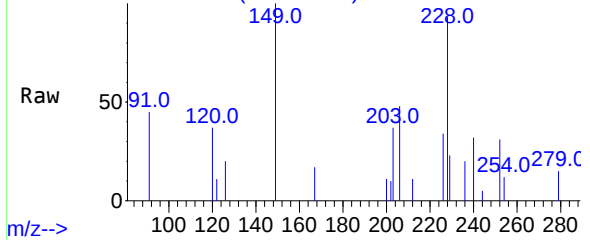


Abundance Scan 2269 (21.375 min): BN038300.D\data.ms (-



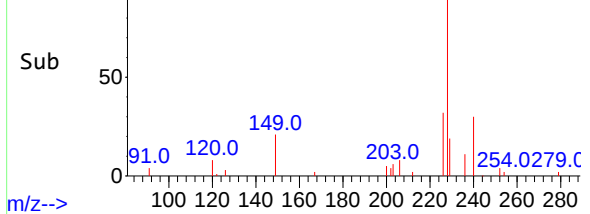
m/z-->

Abundance Scan 2269 (21.375 min): BN038347.D\data.ms (-



m/z-->

Abundance Scan 2269 (21.375 min): BN038347.D\data.ms (-



m/z-->

#33

Chrysene

Concen: 0.023 ng

RT: 21.375 min Scan# 21

Delta R.T. 0.000 min

Lab File: BN038347.D

Acq: 12 Dec 2025 11:49

Instrument :

BNA_N

ClientSampleId :

EB01-120825

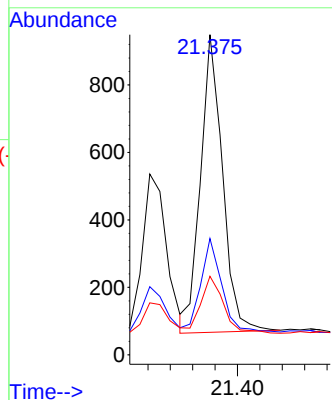
Tgt Ion:228 Resp: 1204

Ion Ratio Lower Upper

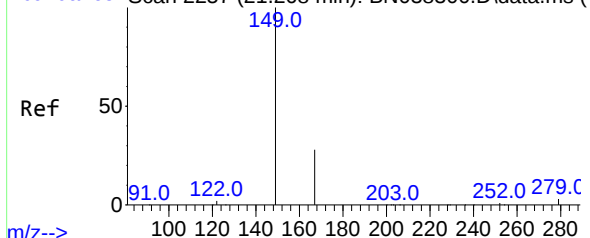
228 100

226 36.4 25.0 37.4

229 24.6 15.5 23.3#

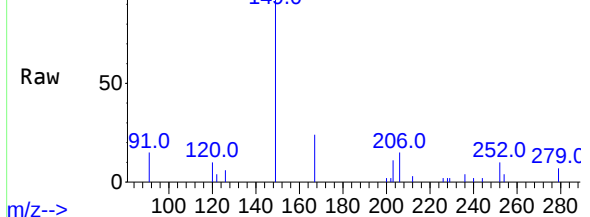


Abundance Scan 2257 (21.268 min): BN038300.D\data.ms (-



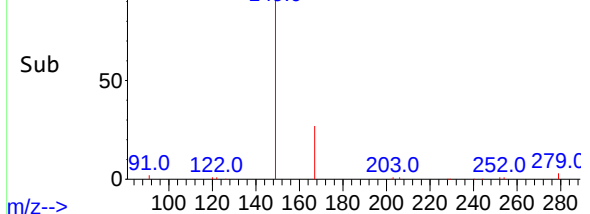
m/z-->

Abundance Scan 2257 (21.268 min): BN038347.D\data.ms (-



m/z-->

Abundance Scan 2257 (21.268 min): BN038347.D\data.ms (-



m/z-->

#34

Bis(2-ethylhexyl)phthalate

Concen: 0.116 ng

RT: 21.268 min Scan# 2257

Delta R.T. 0.000 min

Lab File: BN038347.D

Acq: 12 Dec 2025 11:49

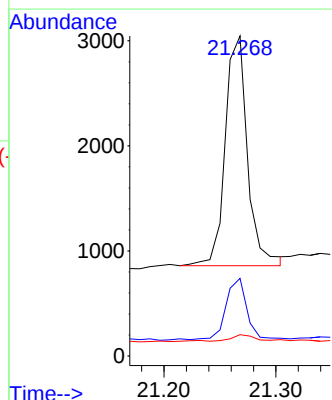
Tgt Ion:149 Resp: 3031

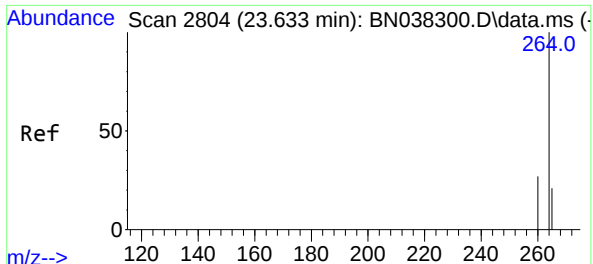
Ion Ratio Lower Upper

149 100

167 25.0 21.4 32.0

279 3.0 2.4 3.6





#35

Perylene-d12

Concen: 0.400 ng

RT: 23.630 min Scan# 21

Delta R.T. -0.003 min

Lab File: BN038347.D

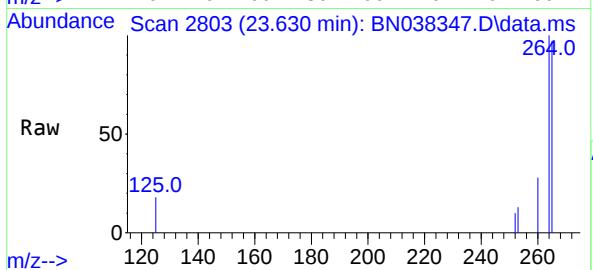
Acq: 12 Dec 2025 11:49

Instrument :

BNA_N

ClientSampleId :

EB01-120825



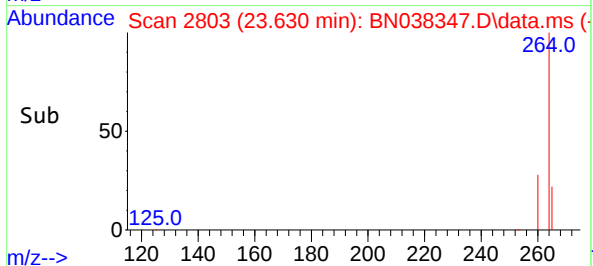
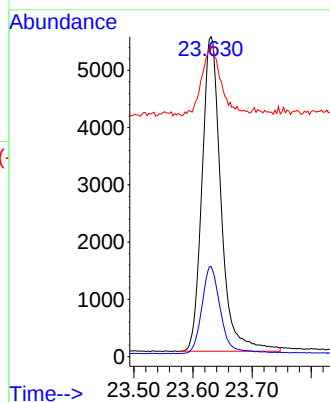
Tgt Ion:264 Resp: 12255

Ion Ratio Lower Upper

264 100

260 28.2 22.2 33.2

265 96.7 80.2 120.2





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: JAC005Lab Code: ACESDG No.: Q3813Instrument ID: BNA_NCalibration Date(s): 12/10/2025 12/10/2025Calibration Time(s): 09:52 13:30

LAB FILE ID:		RRF0.1 = BN038298.D		RRF0.2 = BN038299.D		RRF0.4 = BN038300.D		
		RRF0.8 = BN038301.D		RRF1.6 = BN038302.D		RRF3.2 = BN038303.D		
COMPOUND	RRF0.1	RRF0.2	RRF0.4	RRF0.8	RRF1.6	RRF3.2	RRF	% RSD
2-Methylnaphthalene-d10	0.543	0.548	0.549	0.554	0.559	0.598	0.564	4.2
Fluoranthene-d10	0.930	0.947	0.984	0.983	0.984	1.045	0.990	4.6
2-Fluorophenol	0.954	1.034	0.988	0.981	0.978	1.020	0.996	2.9
Phenol-d6	1.098	1.157	1.151	1.158	1.186	1.263	1.184	5.4
Nitrobenzene-d5	0.325	0.324	0.329	0.332	0.334	0.358	0.337	4.4
2-Fluorobiphenyl	1.940	1.951	1.927	1.838	1.874	2.046	1.914	4.1
2,4,6-Tribromophenol	0.165	0.162	0.167	0.168	0.175	0.196	0.177	9.5
Terphenyl-d14	0.913	0.917	0.881	0.880	0.863	0.893	0.893	2.2
1,4-Dioxane		0.506	0.465	0.443	0.442	0.456	0.459	5.5

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-BN121025.M
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 Last Update : Wed Dec 10 13:56:50 2025
 Response Via : Initial Calibration

Calibration Files

0.1 =BN038298.D 0.2 =BN038299.D 0.4 =BN038300.D 0.8 =BN038301.D 1.6 =BN038302.D 3.2 =BN038303.D 5 =BN038304.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	0.506	0.465	0.443	0.442	0.456	0.440	0.459		5.48
3)	n-Nitrosodimet...	0.568	0.572	0.568	0.577	0.590	0.574	0.575		1.42
4) S	2-Fluorophenol	0.954	1.034	0.988	0.981	0.978	1.020	1.019	0.996	2.88
5) S	Phenol-d6	1.098	1.157	1.151	1.158	1.186	1.263	1.277	1.184	5.44
6)	bis(2-Chloroet...	1.156	1.171	1.166	1.149	1.144	1.176	1.147	1.158	1.10
7) I	Naphthalene-d8	-----ISTD-----								
8) S	Nitrobenzene-d5	0.325	0.324	0.329	0.332	0.334	0.358	0.359	0.337	4.38
9)	Naphthalene	1.174	1.185	1.168	1.155	1.159	1.231	1.205	1.182	2.30
10)	Hexachlorobuta...	0.218	0.213	0.210	0.207	0.205	0.212	0.206	0.210	2.24
11) SURR	2-Methylnaphth...	0.543	0.548	0.549	0.554	0.559	0.598	0.599	0.564	4.23
12)	2-Methylnaphth...	0.722	0.735	0.731	0.737	0.747	0.794	0.789	0.751	3.85
13) I	Acenaphthene-d10	-----ISTD-----								
14) S	2,4,6-Tribromo...	0.167	0.163	0.167	0.169	0.175	0.197	0.205	0.177	9.30
15) S	2-Fluorobiphenyl	1.940	1.951	1.974	1.838	1.897	2.070	1.819	1.927	4.45
16)	Acenaphthylene	1.890	1.885	1.903	1.918	1.931	2.131	2.092	1.964	5.21
17)	Acenaphthene	1.311	1.329	1.342	1.351	1.358	1.460	1.430	1.369	4.01
18)	Fluorene	1.790	1.706	1.707	1.735	1.727	1.858	1.802	1.761	3.24
19) I	Phenanthrene-d10	-----ISTD-----								
20)	4,6-Dinitro-2-...	0.054	0.057	0.064	0.069	0.085		0.066		18.62
21)	4-Bromophenyl-...	0.288	0.291	0.287	0.291	0.293	0.310	0.318	0.297	4.12
22)	Hexachlorobenzene	0.370	0.366	0.350	0.350	0.347	0.358	0.357	0.357	2.40
23)	Atrazine	0.184	0.196	0.190	0.197	0.200	0.221	0.229	0.202	8.11
24)	Pentachlorophenol	0.124	0.121	0.121	0.126	0.134	0.156	0.174	0.139	15.30
25)	Phenanthrene	1.412	1.373	1.363	1.350	1.353	1.439	1.456	1.392	3.12
26)	Anthracene	1.149	1.119	1.141	1.184	1.186	1.300	1.323	1.200	6.67
27) SURR	Fluoranthene-d10	0.928	0.947	0.984	0.983	0.984	1.045	1.053	0.989	4.66
28)	Fluoranthene	1.419	1.413	1.459	1.466	1.473	1.562	1.566	1.480	4.17
29) I	Chrysene-d12	-----ISTD-----								
30)	Pyrene	2.038	1.968	1.920	1.909	1.890	2.022	2.037	1.969	3.25
31) S	Terphenyl-d14	0.913	0.917	0.881	0.879	0.863	0.893	0.903	0.893	2.20
32)	Benzo(a)anthra...	1.476	1.537	1.479	1.501	1.513	1.638	1.672	1.545	5.08
33)	Chrysene	1.653	1.712	1.721	1.709	1.674	1.745	1.697	1.701	1.79
34)	Bis(2-ethylhex...	1.002	0.845	0.779	0.754	0.828	0.879	0.848		10.38
35) I	Perylene-d12	-----ISTD-----								

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

Method File : 8270-SIM-BN121025.M

36)	Indeno(1,2,3-c...	1.813	2.040	2.122	2.116	2.115	2.321	2.330	2.123	8.27
37)	Benzo(b)fluora...	1.673	1.831	1.783	1.776	1.827	1.987	1.984	1.837	6.18
38)	Benzo(k)fluora...	1.597	1.793	1.796	1.812	1.823	2.006	1.994	1.832	7.57
39) C	Benzo(a)pyrene	1.355	1.459	1.469	1.459	1.479	1.640	1.663	1.503	7.27
40)	Dibenzo(a,h)an...	1.396	1.521	1.619	1.624	1.651	1.823	1.822	1.637	9.37
41)	Benzo(g,h,i)pe...	1.622	1.816	1.812	1.806	1.818	1.966	1.964	1.829	6.34

(#) = Out of Range

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN121025\
 Data File : BN038298.D
 Acq On : 10 Dec 2025 09:52
 Operator : RC/JU
 Sample : SSTDICC0.1
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 SSTDICC0.1

Quant Time: Dec 10 13:58:59 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN121025.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Dec 10 13:56:50 2025
 Response via : Initial Calibration

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

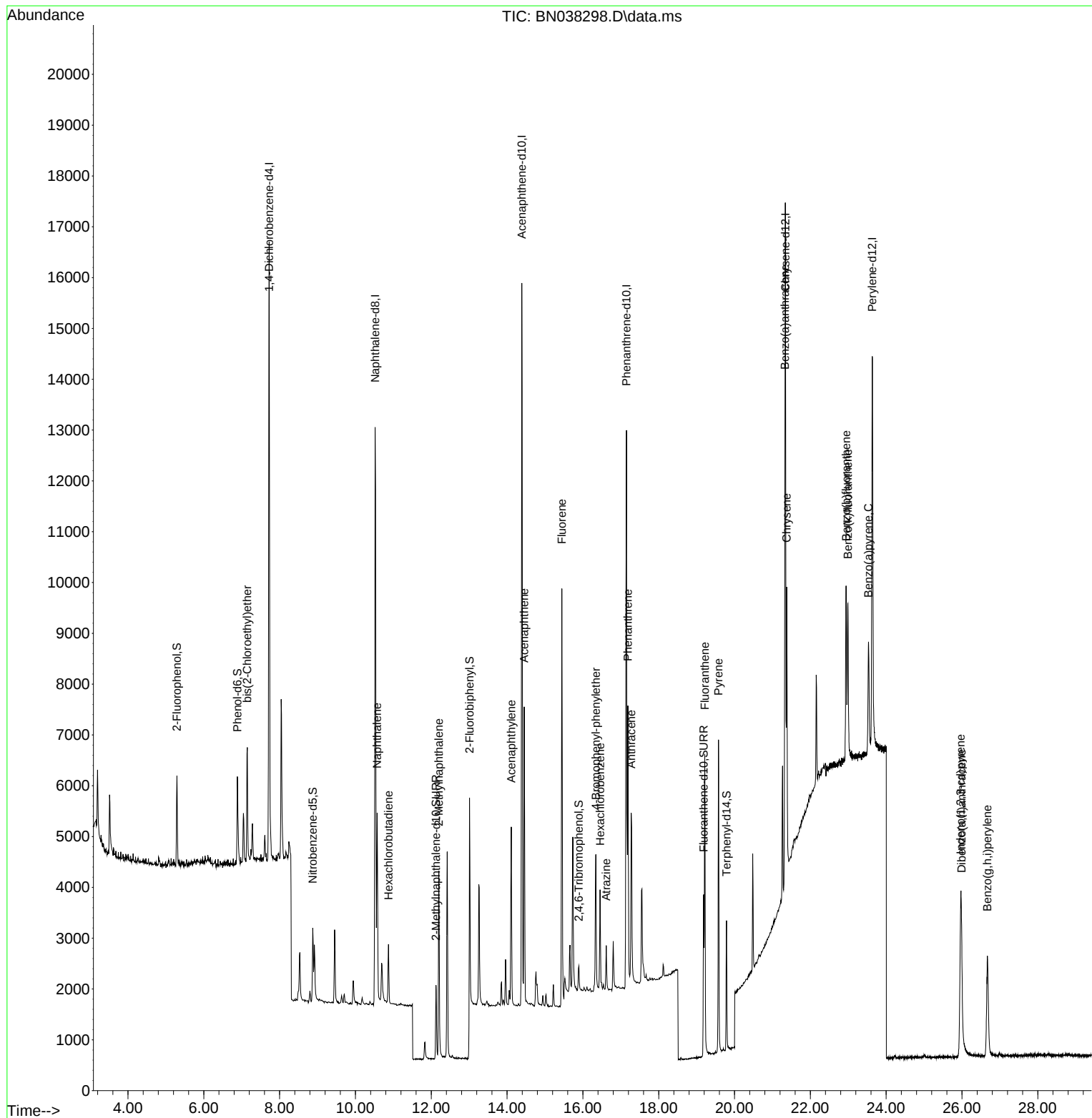
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.724	152	6259	0.400	ng	0.00
7) Naphthalene-d8	10.520	136	16430	0.400	ng	#-0.01
13) Acenaphthene-d10	14.388	164	8491	0.400	ng	-0.01
19) Phenanthrene-d10	17.149	188	15796	0.400	ng	0.00
29) Chrysene-d12	21.340	240	11291	0.400	ng	0.00
35) Perylene-d12	23.633	264	10537	0.400	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.291	112	1492	0.096	ng	0.00
5) Phenol-d6	6.887	99	1718	0.093	ng	0.00
8) Nitrobenzene-d5	8.875	82	1335	0.096	ng	0.00
11) 2-Methylnaphthalene-d10	12.126	152	2230	0.096	ng	0.00
14) 2,4,6-Tribromophenol	15.895	330	351	0.093	ng	0.00
15) 2-Fluorobiphenyl	13.009	172	4119	0.101	ng	0.00
27) Fluoranthene-d10	19.188	212	3672	0.094	ng	0.00
31) Terphenyl-d14	19.787	244	2576	0.102	ng	0.00
Target Compounds						Qvalue
6) bis(2-Chloroethyl)ether	7.147	93	1809	0.100	ng	99
9) Naphthalene	10.573	128	4821	0.099	ng	96
10) Hexachlorobutadiene	10.872	225	896	0.104	ng	# 99
12) 2-Methylnaphthalene	12.202	142	2965	0.096	ng	98
16) Acenaphthylene	14.110	152	4012	0.096	ng	99
17) Acenaphthene	14.452	154	2783	0.096	ng	95
18) Fluorene	15.446	166	3800	0.102	ng	98
21) 4-Bromophenyl-phenylether	16.342	248	1138	0.097	ng	96
22) Hexachlorobenzene	16.454	284	1462	0.104	ng	97
23) Atrazine	16.615	200	727	0.091	ng	# 94
25) Phenanthrene	17.186	178	5585	0.102	ng	100
26) Anthracene	17.273	178	4544	0.096	ng	99
28) Fluoranthene	19.215	202	5615	0.096	ng	99
30) Pyrene	19.578	202	5753	0.103	ng	100
32) Benzo(a)anthracene	21.331	228	4166	0.096	ng	98
33) Chrysene	21.375	228	4665	0.097	ng	98
36) Indeno(1,2,3-cd)pyrene	25.967	276	4777	0.085	ng	98
37) Benzo(b)fluoranthene	22.943	252	4408	0.091	ng	# 64
38) Benzo(k)fluoranthene	22.990	252	4206	0.087	ng	# 62
39) Benzo(a)pyrene	23.534	252	3570	0.090	ng	# 55
40) Dibenzo(a,h)anthracene	25.987	278	3677	0.085	ng	# 75
41) Benzo(g,h,i)perylene	26.671	276	4274	0.089	ng	# 87

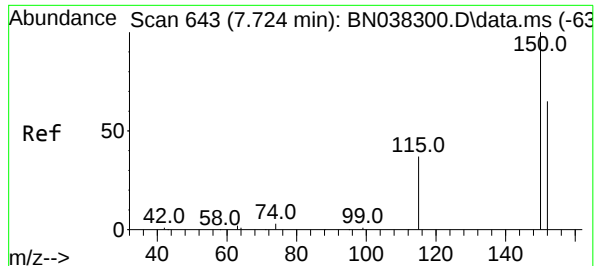
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Data File : BN038298.D
Acq On : 10 Dec 2025 09:52
Operator : RC/JU
Sample : SSTDICC0.1
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.1

Quant Time: Dec 10 13:58:59 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN121025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Dec 10 13:56:50 2025
Response via : Initial Calibration

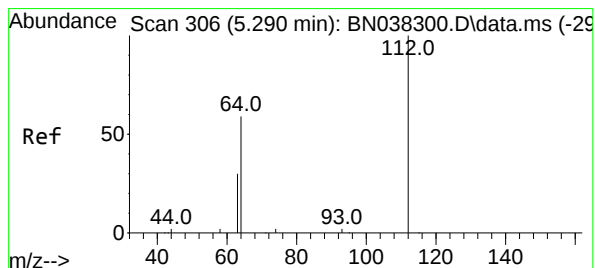
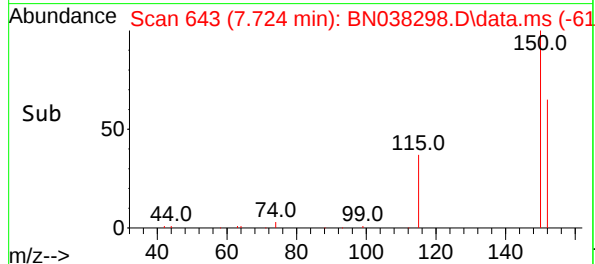
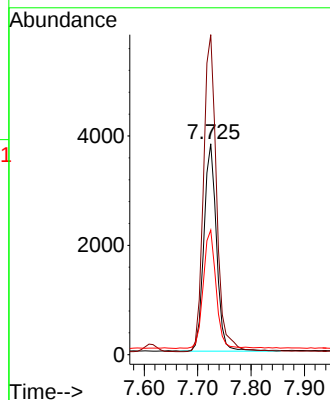
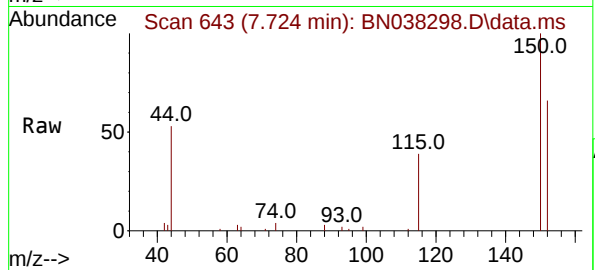




#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.724 min Scan# 643
Delta R.T. 0.000 min
Lab File: BN038298.D
Acq: 10 Dec 2025 09:52

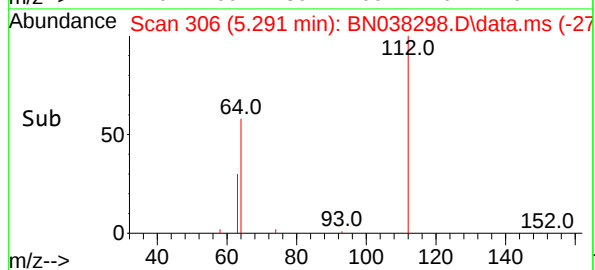
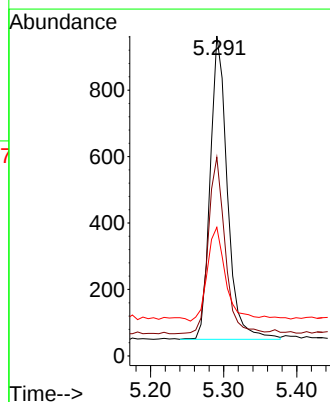
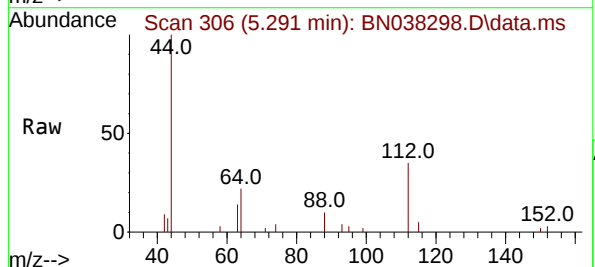
Instrument :
BNA_N
ClientSampleId :
SSTDICC0.1

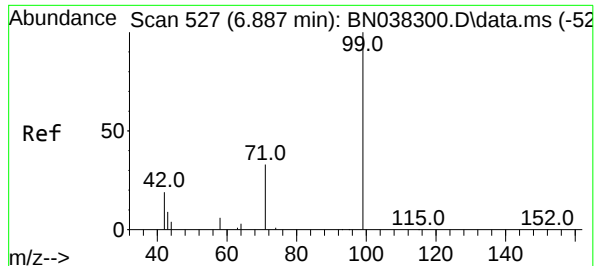
Tgt Ion:152 Resp: 6259
Ion Ratio Lower Upper
152 100
150 151.8 122.4 183.6
115 59.1 47.3 70.9



#4
2-Fluorophenol
Concen: 0.096 ng
RT: 5.291 min Scan# 306
Delta R.T. 0.000 min
Lab File: BN038298.D
Acq: 10 Dec 2025 09:52

Tgt Ion:112 Resp: 1492
Ion Ratio Lower Upper
112 100
64 56.7 44.4 66.6
63 33.1 23.4 35.0

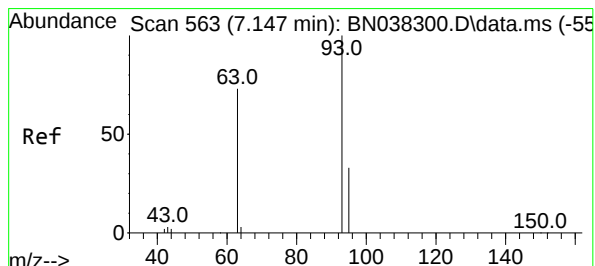
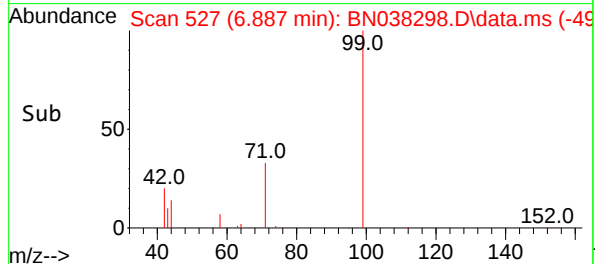
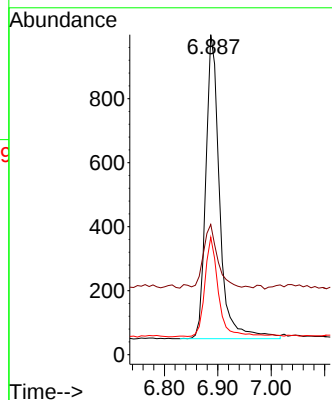
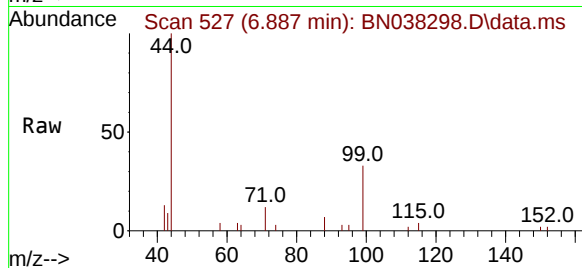




#5
Phenol-d6
Concen: 0.093 ng
RT: 6.887 min Scan# 51
Delta R.T. 0.000 min
Lab File: BN038298.D
Acq: 10 Dec 2025 09:52

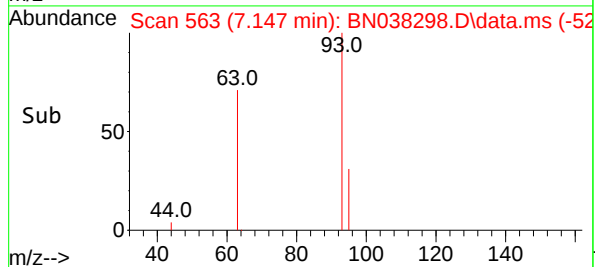
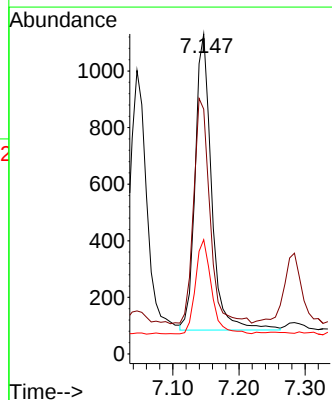
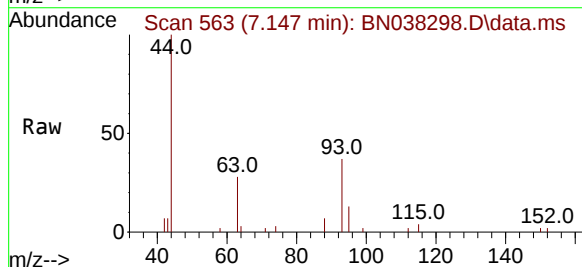
Instrument :
BNA_N
ClientSampleId :
SSTDICC0.1

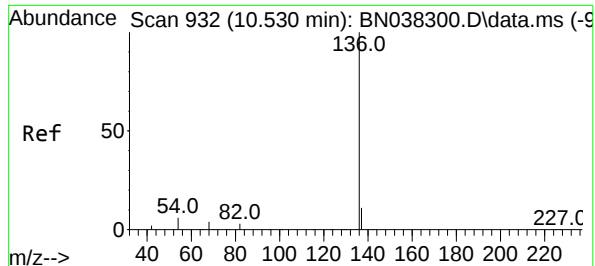
Tgt Ion: 99 Resp: 1718
Ion Ratio Lower Upper
99 100
42 22.1 16.5 24.7
71 32.3 24.9 37.3



#6
bis(2-Chloroethyl)ether
Concen: 0.100 ng
RT: 7.147 min Scan# 563
Delta R.T. 0.000 min
Lab File: BN038298.D
Acq: 10 Dec 2025 09:52

Tgt Ion: 93 Resp: 1809
Ion Ratio Lower Upper
93 100
63 75.2 59.2 88.8
95 31.2 25.2 37.8

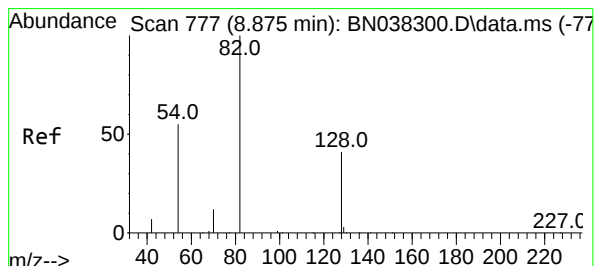
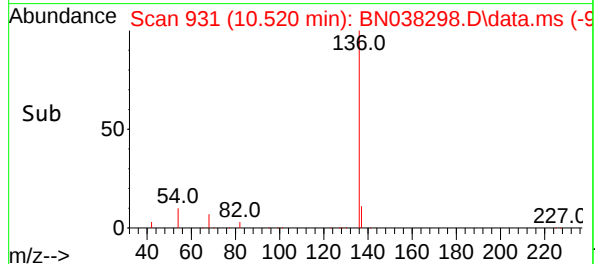
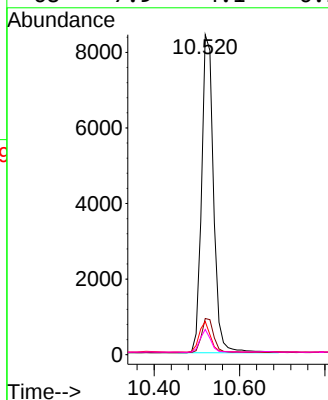
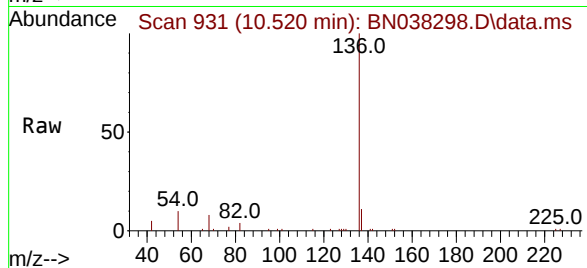




#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.520 min Scan# 911
Delta R.T. -0.011 min
Lab File: BN038298.D
Acq: 10 Dec 2025 09:52

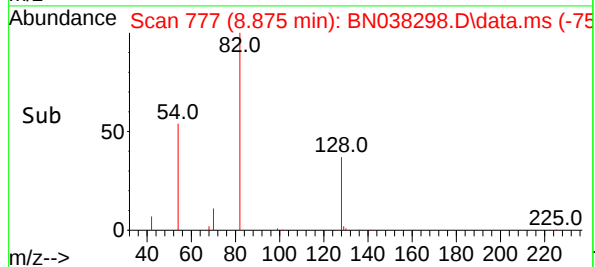
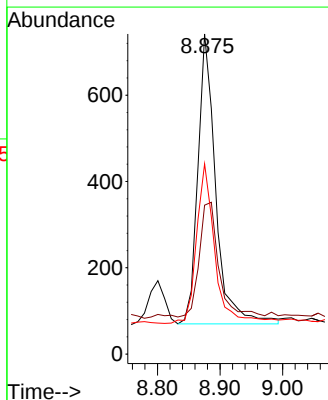
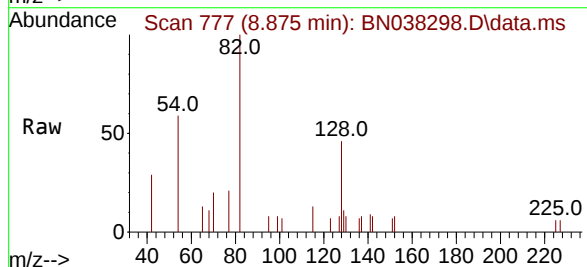
Instrument :
BNA_N
ClientSampleId :
SSTDICC0.1

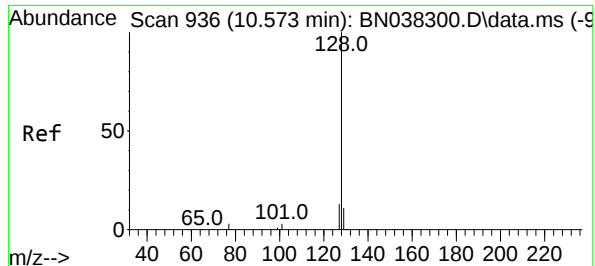
Tgt Ion	136	137	54	68
Resp:	16430	11.3	10.4	7.9
Lower		9.1	5.2	4.1
Upper		13.7	7.8#	6.1#



#8
Nitrobenzene-d5
Concen: 0.096 ng
RT: 8.875 min Scan# 777
Delta R.T. 0.000 min
Lab File: BN038298.D
Acq: 10 Dec 2025 09:52

Tgt Ion	82	128	54
Resp:	1335	46.5	59.4
Lower		34.0	44.4
Upper		51.0	66.6





#9
Naphthalene

Concen: 0.099 ng

RT: 10.573 min Scan# 91

Delta R.T. 0.000 min

Lab File: BN038298.D

Acq: 10 Dec 2025 09:52

Instrument :

BNA_N

ClientSampleId :

SSTDICC0.1

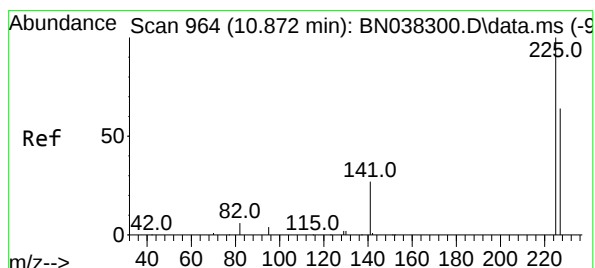
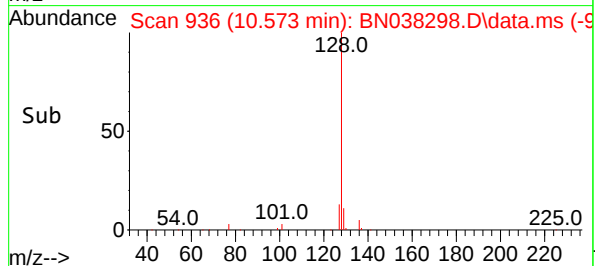
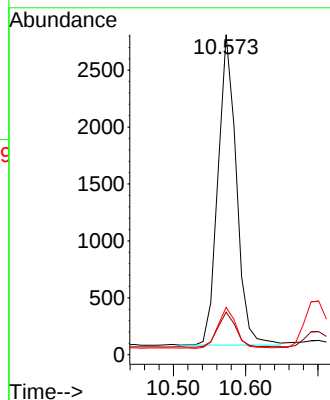
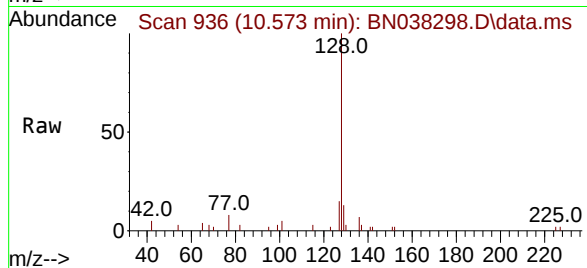
Tgt Ion:128 Resp: 4821

Ion	Ratio	Lower	Upper
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128	100		
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129	13.3	9.1	13.7
-----	------	-----	------

127	14.8	10.9	16.3
-----	------	------	------



#10

Hexachlorobutadiene

Concen: 0.104 ng

RT: 10.872 min Scan# 964

Delta R.T. 0.000 min

Lab File: BN038298.D

Acq: 10 Dec 2025 09:52

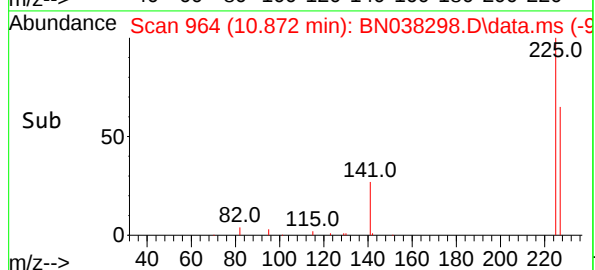
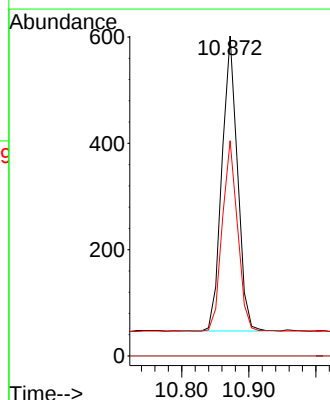
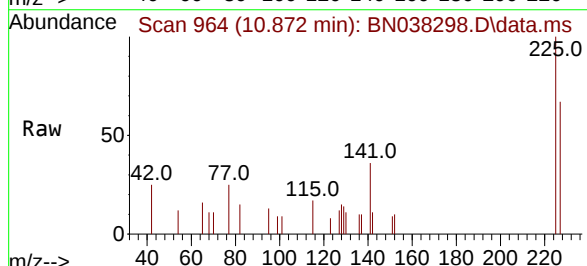
Tgt Ion:225 Resp: 896

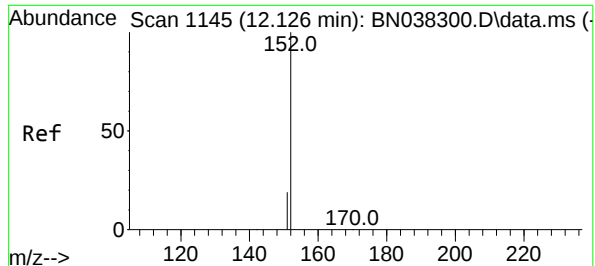
Ion	Ratio	Lower	Upper
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225	100		
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223	0.0	0.0	0.0
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227	63.2	51.2	76.8
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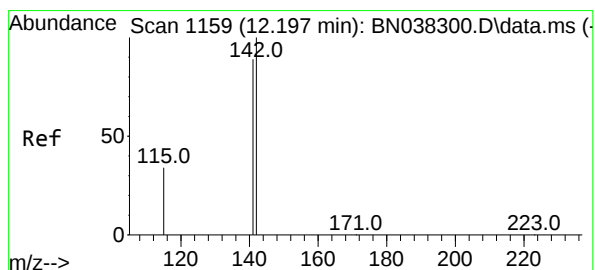
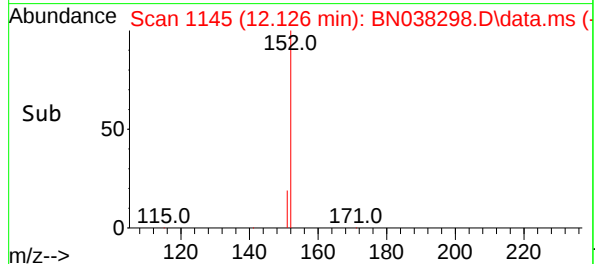
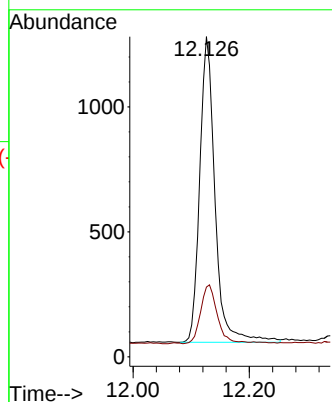
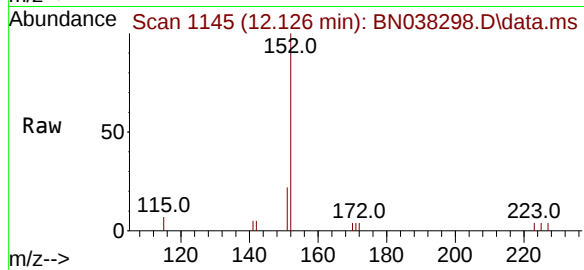




#11
2-Methylnaphthalene-d10
Concen: 0.096 ng
RT: 12.126 min Scan# 1145
Delta R.T. 0.000 min
Lab File: BN038298.D
Acq: 10 Dec 2025 09:52

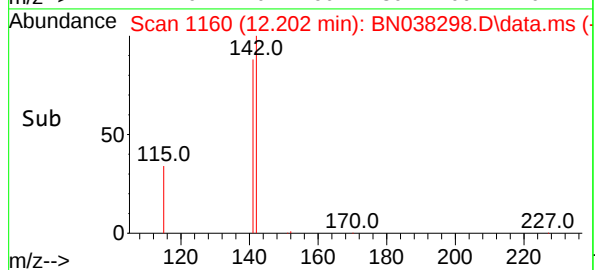
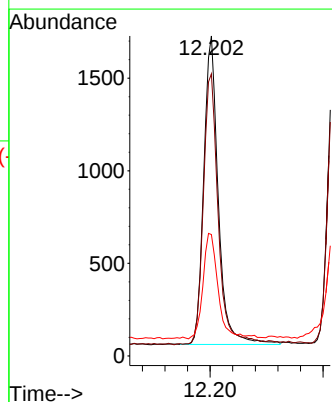
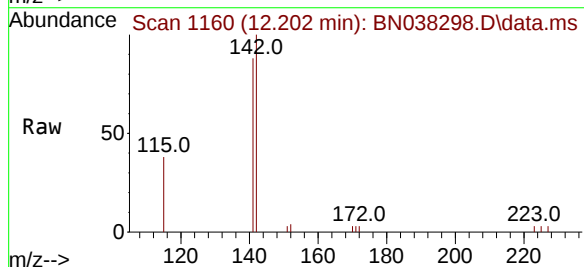
Instrument :
BNA_N
ClientSampleId :
SSTDICC0.1

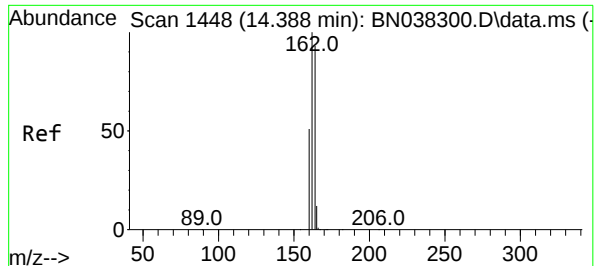
Tgt Ion:152 Resp: 2230
Ion Ratio Lower Upper
152 100
151 21.2 17.0 25.6



#12
2-Methylnaphthalene
Concen: 0.096 ng
RT: 12.202 min Scan# 1160
Delta R.T. 0.000 min
Lab File: BN038298.D
Acq: 10 Dec 2025 09:52

Tgt Ion:142 Resp: 2965
Ion Ratio Lower Upper
142 100
141 88.1 71.4 107.2
115 38.0 28.4 42.6

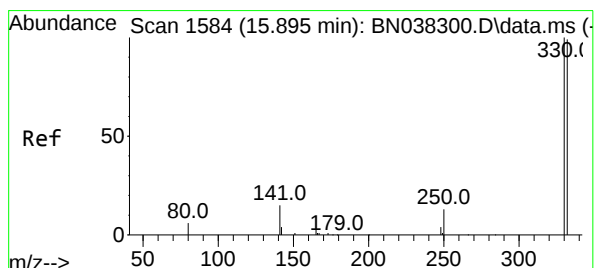
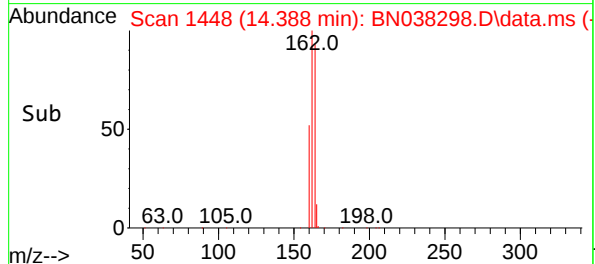
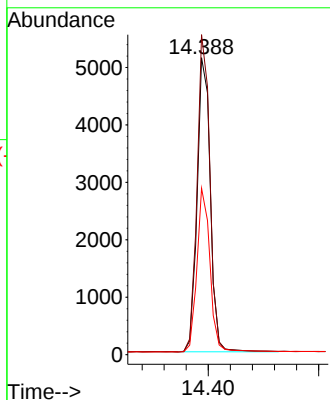
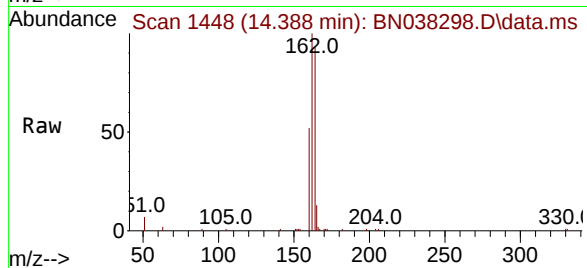




#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.388 min Scan# 1448
Delta R.T. -0.011 min
Lab File: BN038298.D
Acq: 10 Dec 2025 09:52

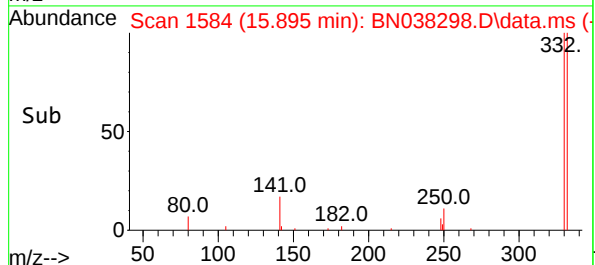
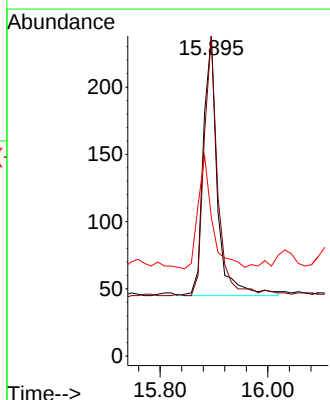
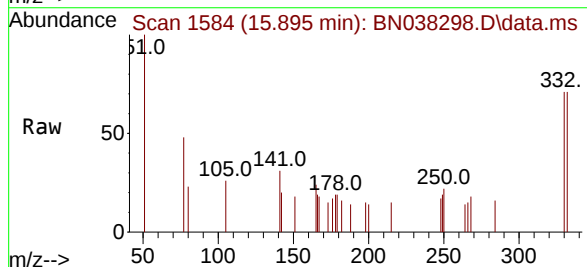
Instrument :
BNA_N
ClientSampleId :
SSTDICC0.1

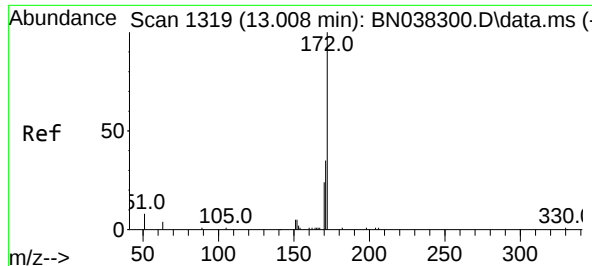
Tgt Ion:164 Resp: 8491
Ion Ratio Lower Upper
164 100
162 107.7 86.2 129.4
160 56.0 44.6 67.0



#14
2,4,6-Tribromophenol
Concen: 0.093 ng
RT: 15.895 min Scan# 1584
Delta R.T. 0.000 min
Lab File: BN038298.D
Acq: 10 Dec 2025 09:52

Tgt Ion:330 Resp: 351
Ion Ratio Lower Upper
330 100
332 98.0 75.8 113.6
141 43.6 31.8 47.8

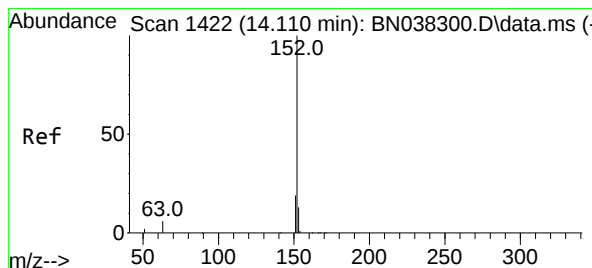
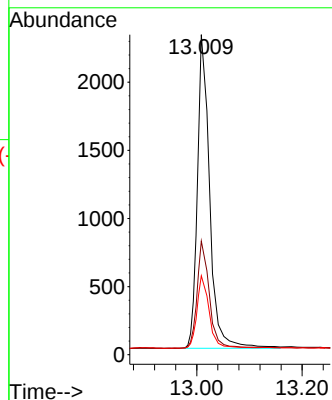
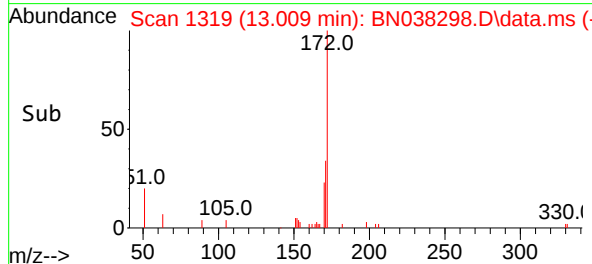
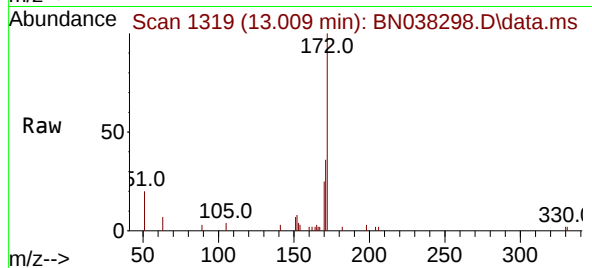




#15
2-Fluorobiphenyl
Concen: 0.101 ng
RT: 13.009 min Scan# 1319
Delta R.T. 0.000 min
Lab File: BN038298.D
Acq: 10 Dec 2025 09:52

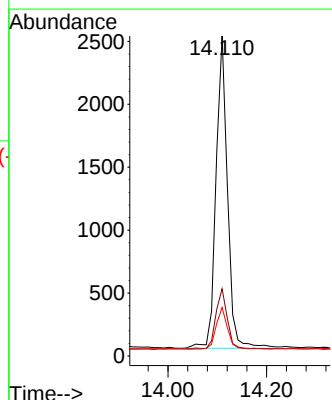
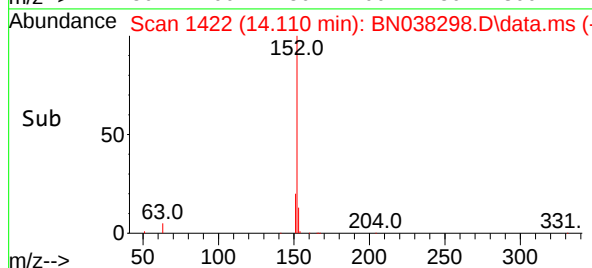
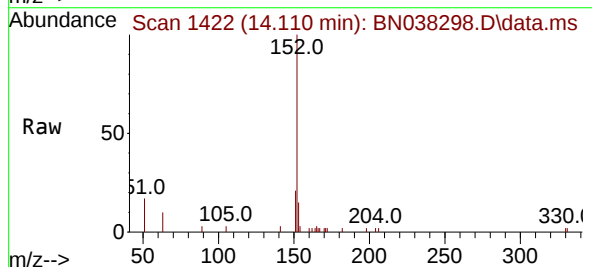
Instrument :
BNA_N
ClientSampleId :
SSTDICC0.1

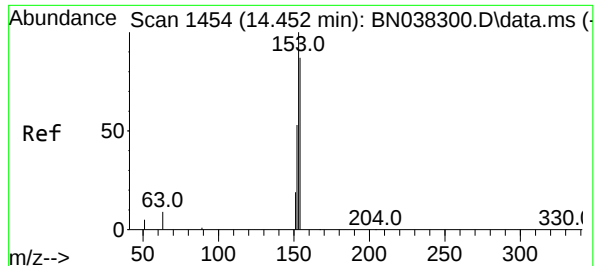
Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.5	28.6	42.8
170	24.6	19.3	28.9



#16
Acenaphthylene
Concen: 0.096 ng
RT: 14.110 min Scan# 1422
Delta R.T. 0.000 min
Lab File: BN038298.D
Acq: 10 Dec 2025 09:52

Tgt Ion	Ratio	Lower	Upper
152	100		
151	19.1	15.4	23.2
153	13.4	10.2	15.4

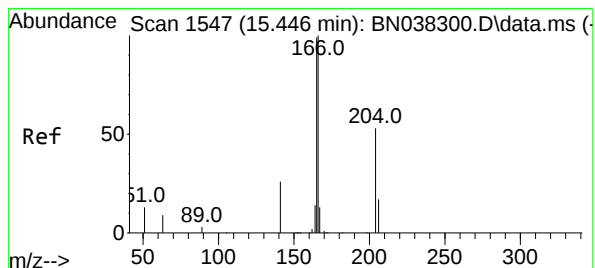
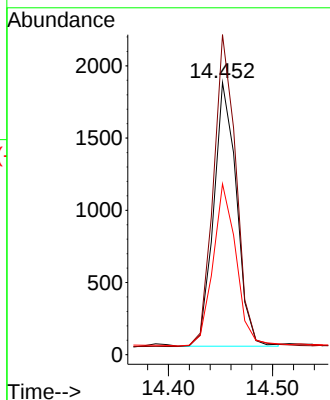
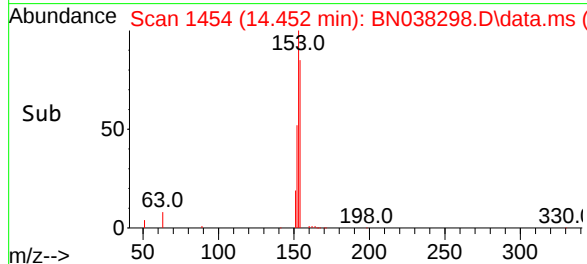
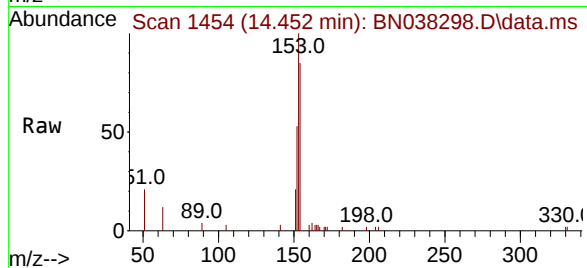




#17
Acenaphthene
Concen: 0.096 ng
RT: 14.452 min Scan# 1454
Delta R.T. -0.011 min
Lab File: BN038298.D
Acq: 10 Dec 2025 09:52

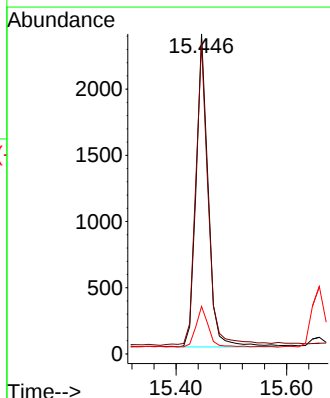
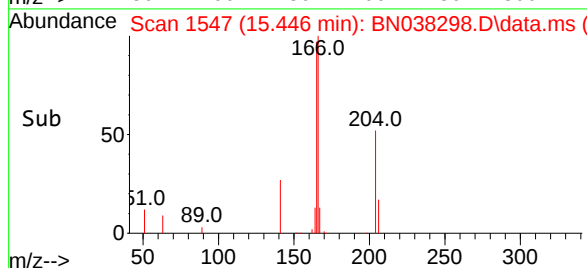
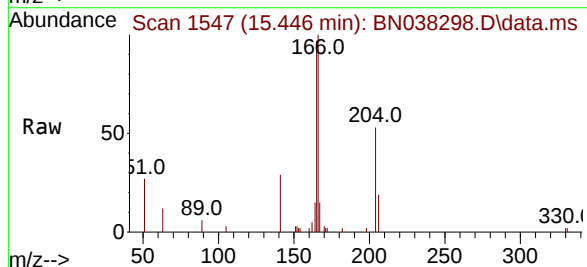
Instrument :
BNA_N
ClientSampleId :
SSTDICC0.1

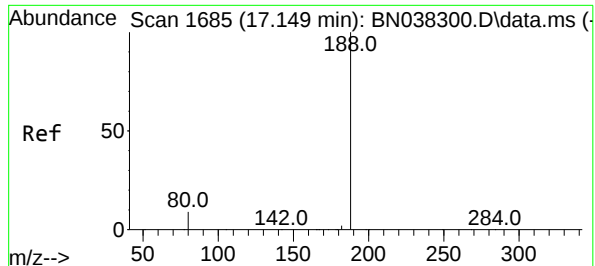
Tgt Ion:154 Resp: 2783
Ion Ratio Lower Upper
154 100
153 118.0 89.8 134.8
152 63.1 47.5 71.3



#18
Fluorene
Concen: 0.102 ng
RT: 15.446 min Scan# 1547
Delta R.T. 0.000 min
Lab File: BN038298.D
Acq: 10 Dec 2025 09:52

Tgt Ion:166 Resp: 3800
Ion Ratio Lower Upper
166 100
165 98.0 80.2 120.4
167 13.5 10.6 16.0





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 17.149 min Scan# 1685

Delta R.T. 0.000 min

Lab File: BN038298.D

Acq: 10 Dec 2025 09:52

Instrument :

BNA_N

ClientSampleId :

SSTDICC0.1

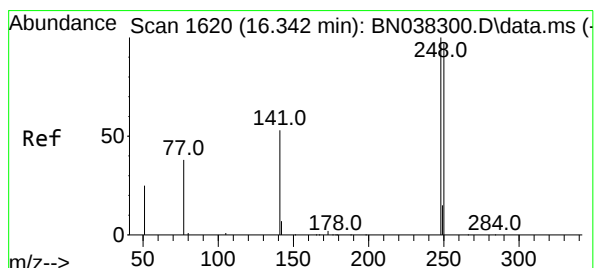
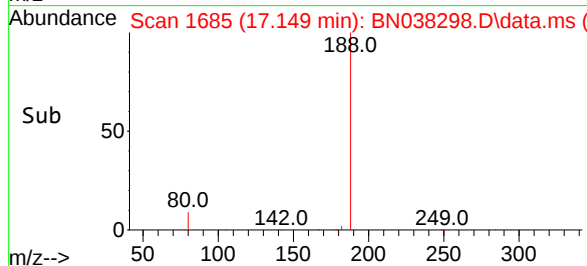
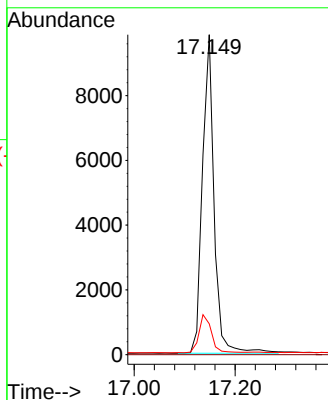
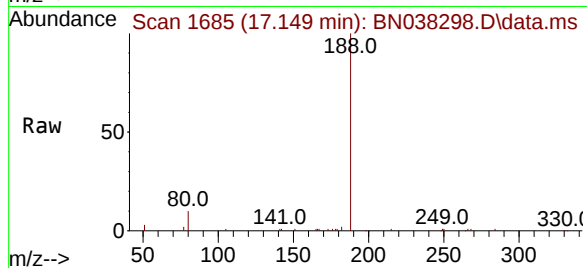
Tgt Ion:188 Resp: 15796

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

80 9.7 7.4 11.0



#21

4-Bromophenyl-phenylether

Concen: 0.097 ng

RT: 16.342 min Scan# 1620

Delta R.T. -0.000 min

Lab File: BN038298.D

Acq: 10 Dec 2025 09:52

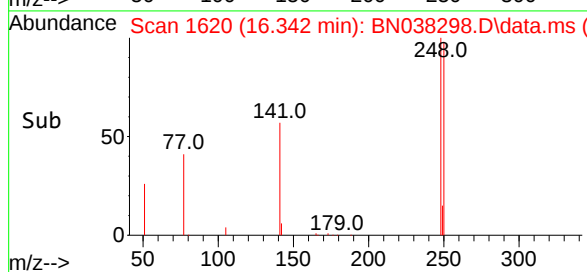
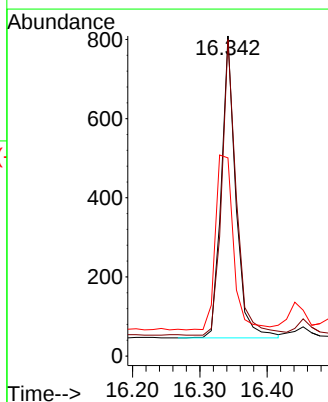
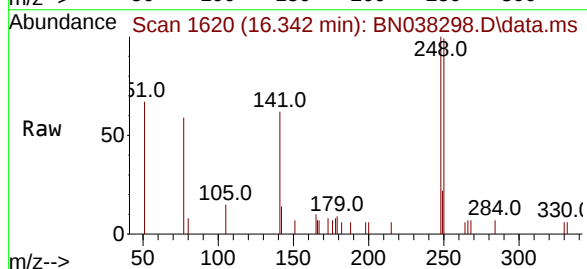
Tgt Ion:248 Resp: 1138

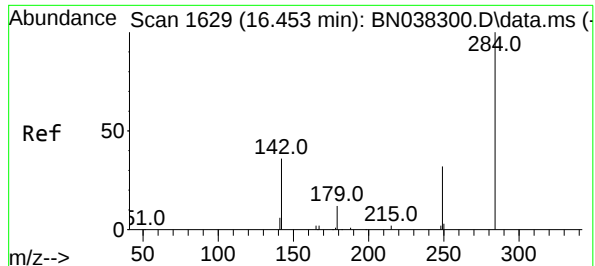
Ion Ratio Lower Upper

248 100

250 98.9 78.2 117.2

141 61.9 43.7 65.5





#22

Hexachlorobenzene

Concen: 0.104 ng

RT: 16.454 min Scan# 1629

Delta R.T. -0.012 min

Lab File: BN038298.D

Acq: 10 Dec 2025 09:52

Instrument :

BNA_N

ClientSampleId :

SSTDIC0.1

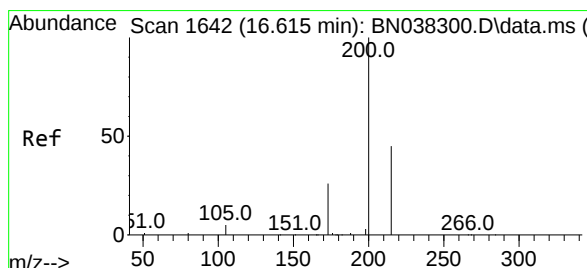
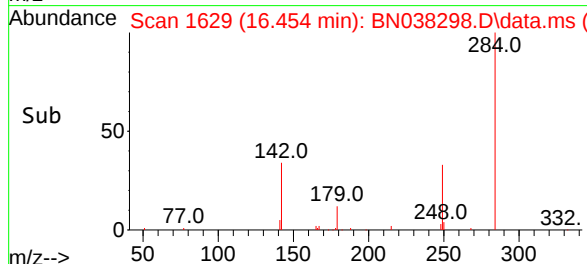
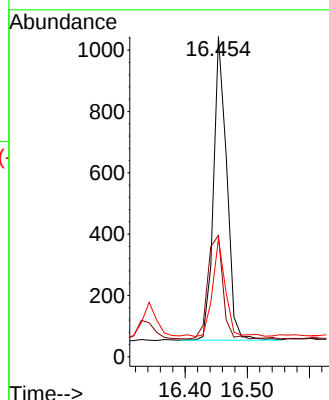
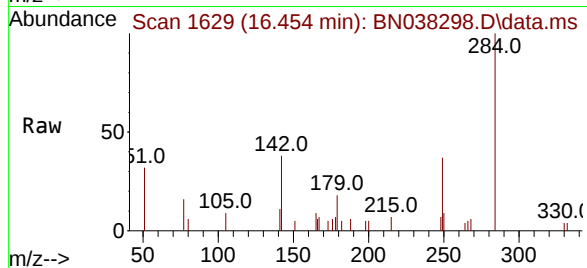
Tgt Ion:284 Resp: 1462

Ion Ratio Lower Upper

284 100

142 39.2 29.5 44.3

249 31.1 23.7 35.5



#23

Atrazine

Concen: 0.091 ng

RT: 16.615 min Scan# 1642

Delta R.T. 0.000 min

Lab File: BN038298.D

Acq: 10 Dec 2025 09:52

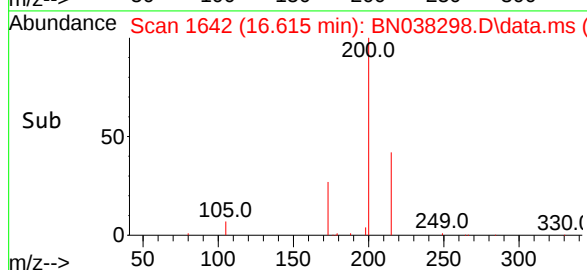
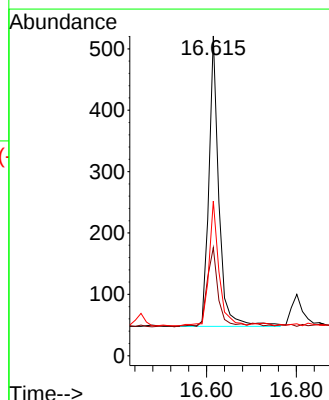
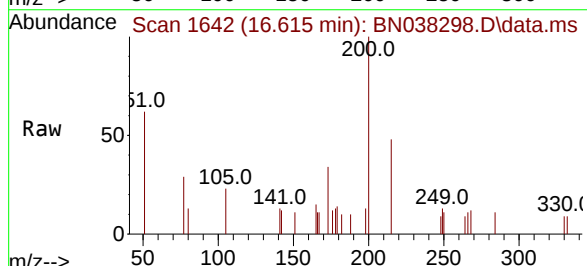
Tgt Ion:200 Resp: 727

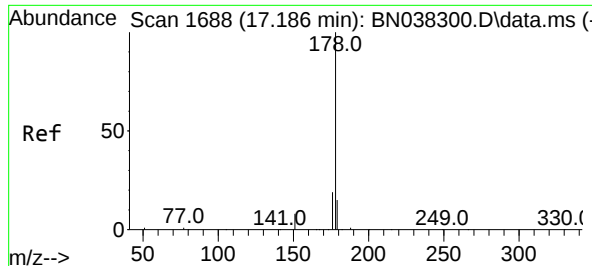
Ion Ratio Lower Upper

200 100

173 33.8 22.1 33.1#

215 48.4 37.4 56.2

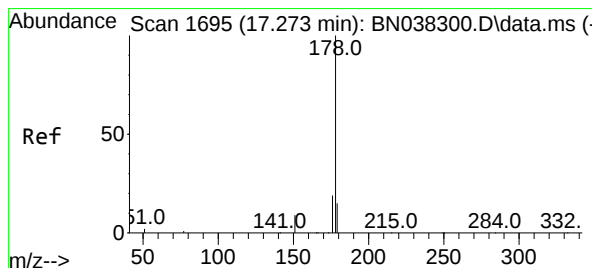
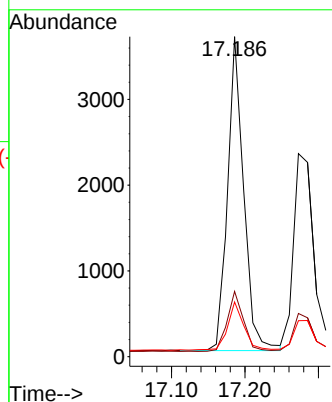
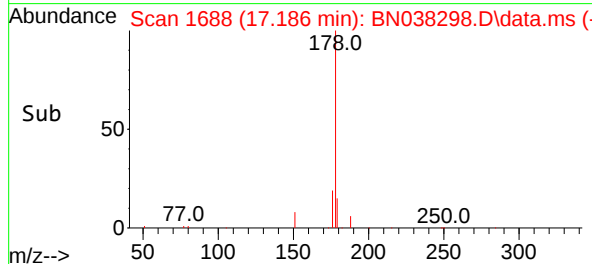
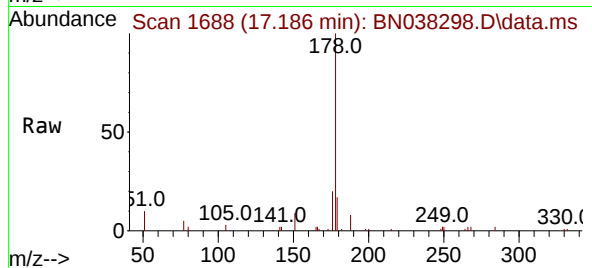




#25
Phenanthrene
Concen: 0.102 ng
RT: 17.186 min Scan# 1688
Delta R.T. 0.000 min
Lab File: BN038298.D
Acq: 10 Dec 2025 09:52

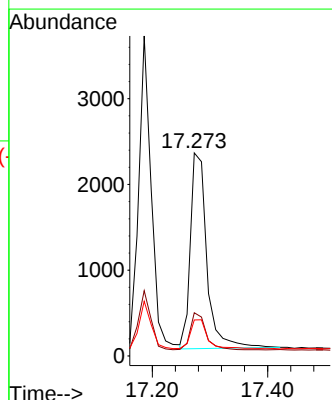
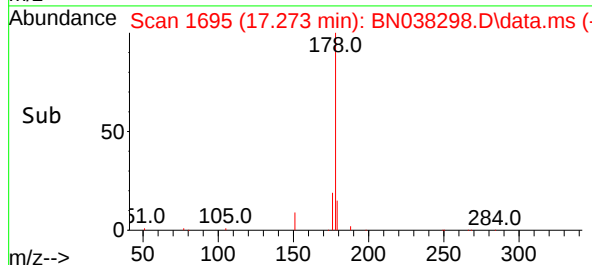
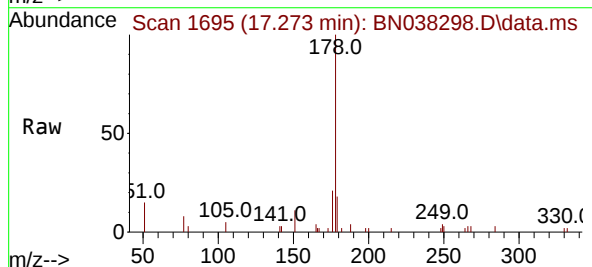
Instrument :
BNA_N
ClientSampleId :
SSTDICC0.1

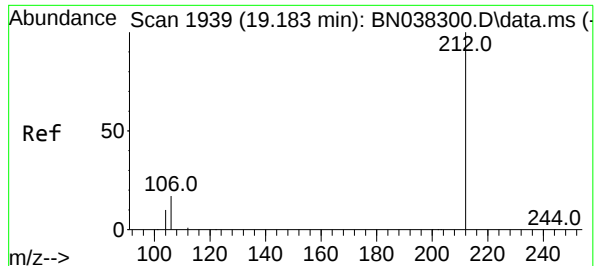
Tgt Ion:178 Resp: 5585
Ion Ratio Lower Upper
178 100
176 19.4 15.5 23.3
179 15.6 12.2 18.2



#26
Anthracene
Concen: 0.096 ng
RT: 17.273 min Scan# 1695
Delta R.T. -0.012 min
Lab File: BN038298.D
Acq: 10 Dec 2025 09:52

Tgt Ion:178 Resp: 4544
Ion Ratio Lower Upper
178 100
176 18.7 15.1 22.7
179 15.9 12.0 18.0





#27

Fluoranthene-d10

Concen: 0.094 ng

RT: 19.188 min Scan# 1940

Delta R.T. 0.000 min

Lab File: BN038298.D

Acq: 10 Dec 2025 09:52

Instrument :

BNA_N

ClientSampleId :

SSTDICC0.1

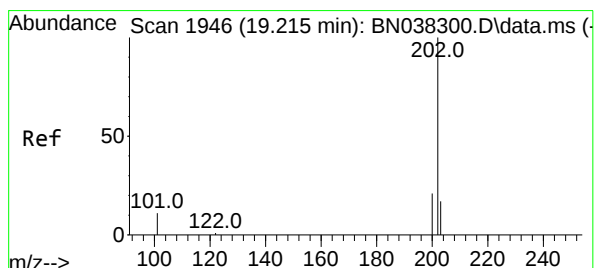
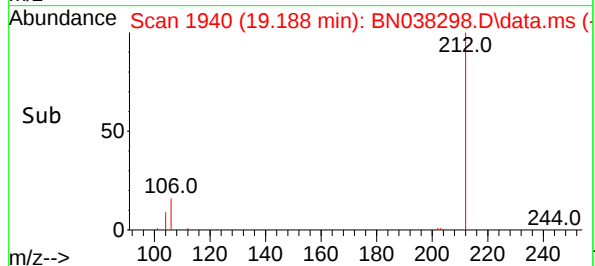
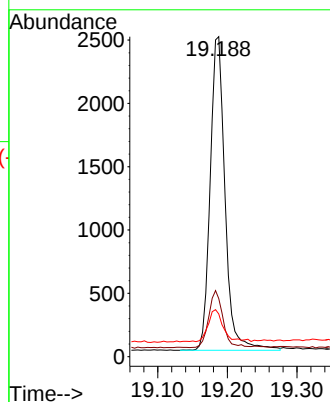
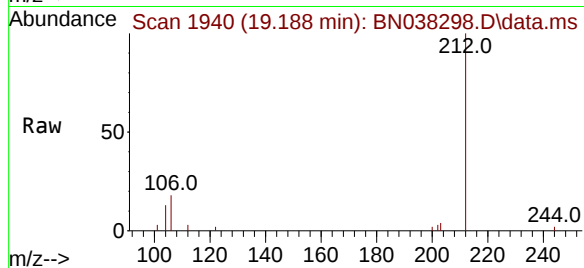
Tgt Ion:212 Resp: 3672

Ion Ratio Lower Upper

212 100

106 17.3 13.7 20.5

104 10.2 7.8 11.8



#28

Fluoranthene

Concen: 0.096 ng

RT: 19.215 min Scan# 1946

Delta R.T. -0.004 min

Lab File: BN038298.D

Acq: 10 Dec 2025 09:52

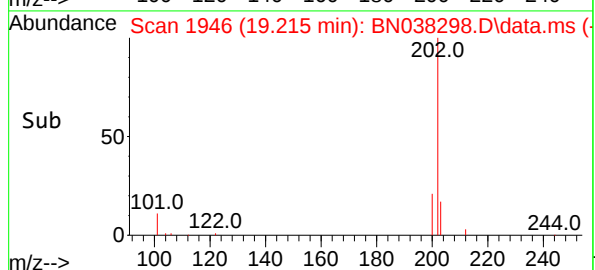
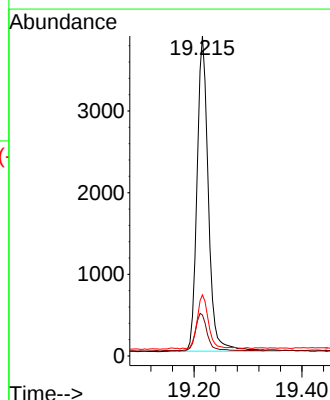
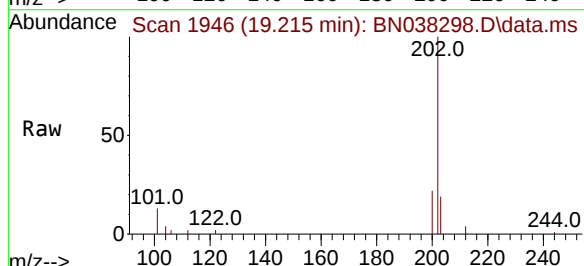
Tgt Ion:202 Resp: 5615

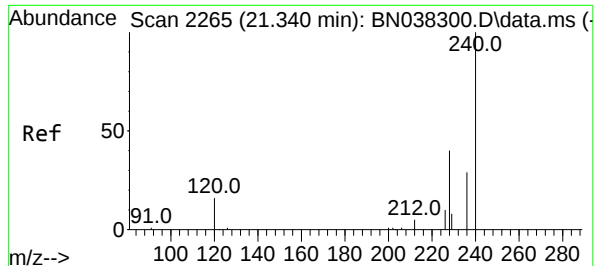
Ion Ratio Lower Upper

202 100

101 12.3 9.6 14.4

203 17.1 13.5 20.3





#29

Chrysene-d12

Concen: 0.400 ng

RT: 21.340 min Scan# 21

Delta R.T. 0.000 min

Lab File: BN038298.D

Acq: 10 Dec 2025 09:52

Instrument :

BNA_N

ClientSampleId :

SSTDICC0.1

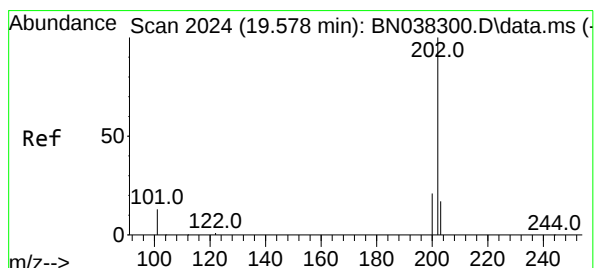
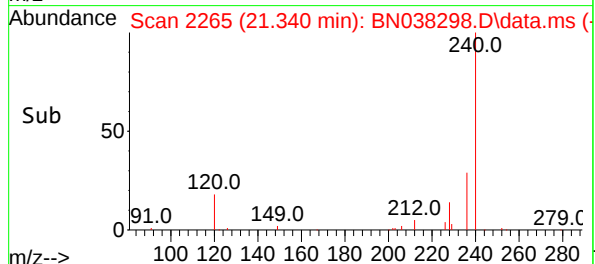
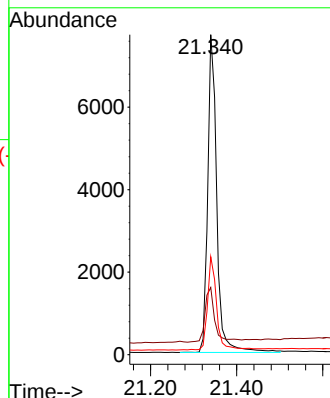
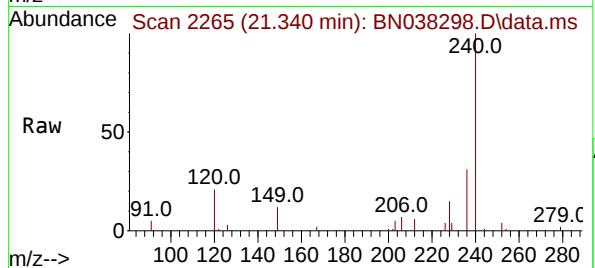
Tgt Ion:240 Resp: 11291

Ion Ratio Lower Upper

240 100

120 21.0 15.4 23.2

236 30.6 23.9 35.9



#30

Pyrene

Concen: 0.103 ng

RT: 19.578 min Scan# 2024

Delta R.T. -0.004 min

Lab File: BN038298.D

Acq: 10 Dec 2025 09:52

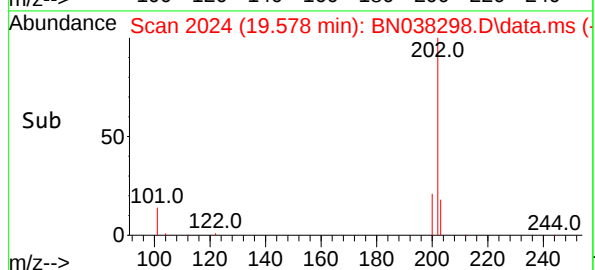
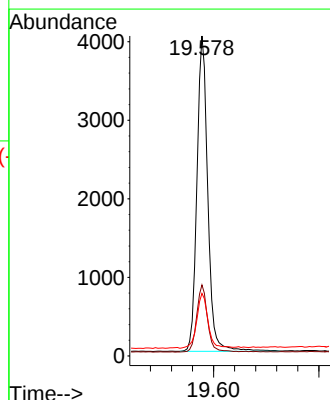
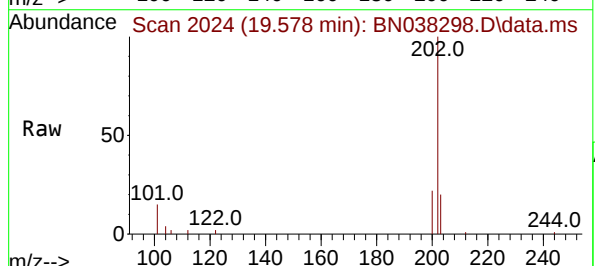
Tgt Ion:202 Resp: 5753

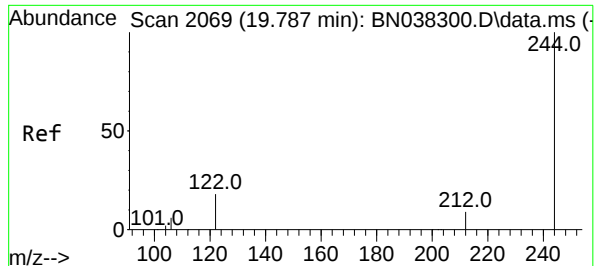
Ion Ratio Lower Upper

202 100

200 21.2 16.9 25.3

203 18.0 14.2 21.2

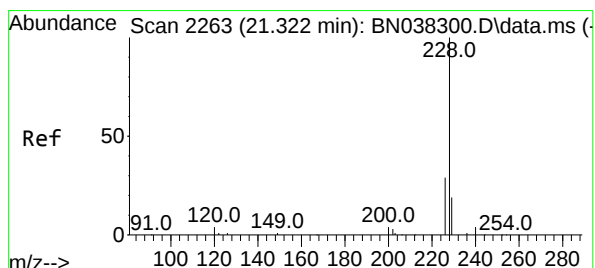
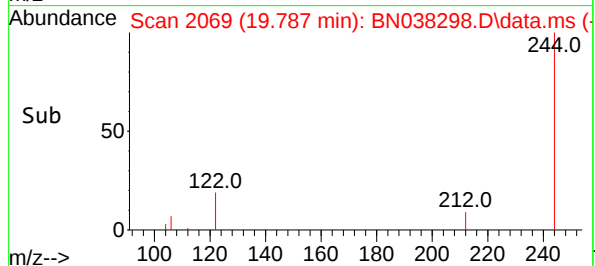
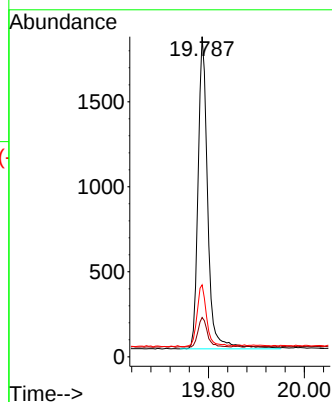
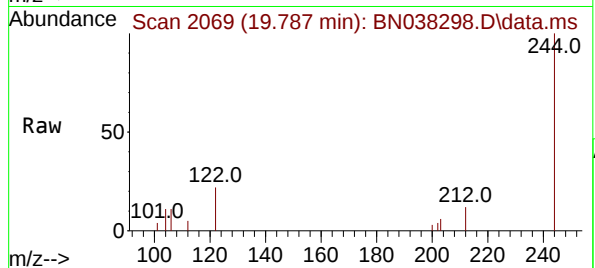




#31
Terphenyl-d14
Concen: 0.102 ng
RT: 19.787 min Scan# 2069
Delta R.T. -0.004 min
Lab File: BN038298.D
Acq: 10 Dec 2025 09:52

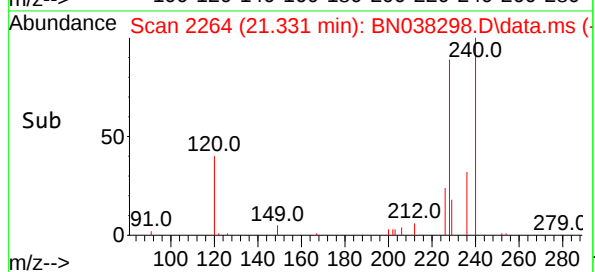
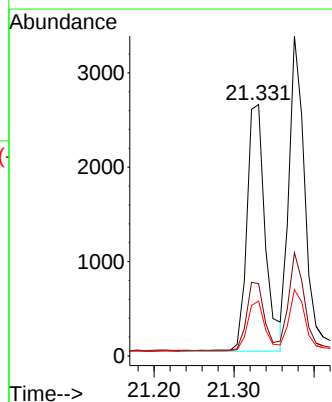
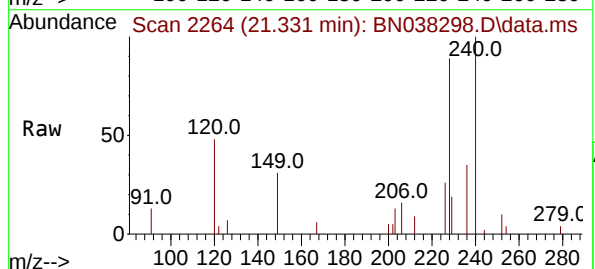
Instrument :
BNA_N
ClientSampleId :
SSTDICC0.1

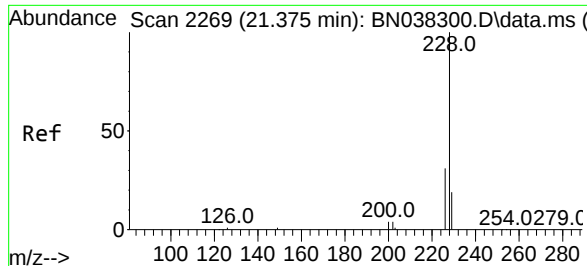
Tgt Ion:244 Resp: 2576
Ion Ratio Lower Upper
244 100
212 12.3 7.9 11.9#
122 22.5 15.0 22.6



#32
Benzo(a)anthracene
Concen: 0.096 ng
RT: 21.331 min Scan# 2264
Delta R.T. 0.000 min
Lab File: BN038298.D
Acq: 10 Dec 2025 09:52

Tgt Ion:228 Resp: 4166
Ion Ratio Lower Upper
228 100
226 28.8 23.3 34.9
229 21.8 15.7 23.5





#33

Chrysene

Concen: 0.097 ng

RT: 21.375 min Scan# 21

Delta R.T. 0.000 min

Lab File: BN038298.D

Acq: 10 Dec 2025 09:52

Instrument :

BNA_N

ClientSampleId :

SSTDICC0.1

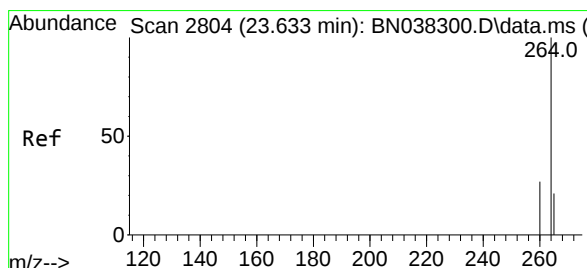
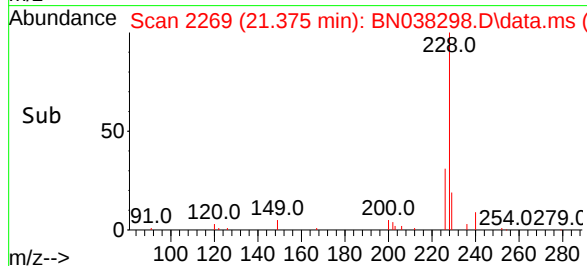
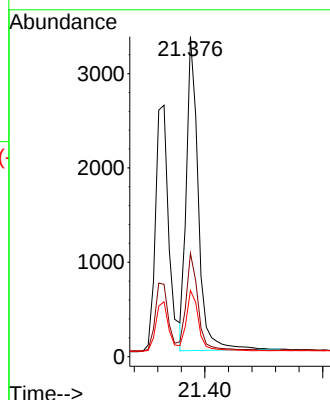
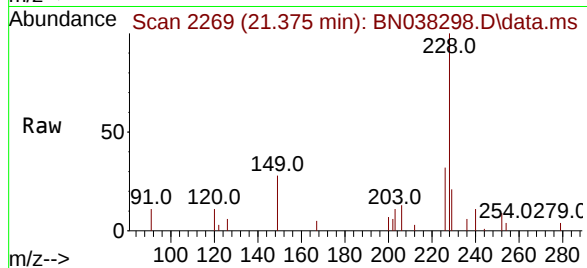
Tgt Ion:228 Resp: 4665

Ion Ratio Lower Upper

228 100

226 32.3 25.0 37.4

229 20.7 15.5 23.3



#35

Perylene-d12

Concen: 0.400 ng

RT: 23.633 min Scan# 2804

Delta R.T. 0.000 min

Lab File: BN038298.D

Acq: 10 Dec 2025 09:52

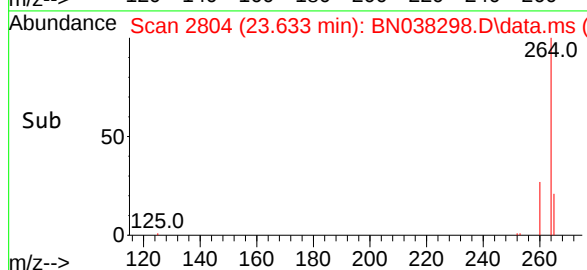
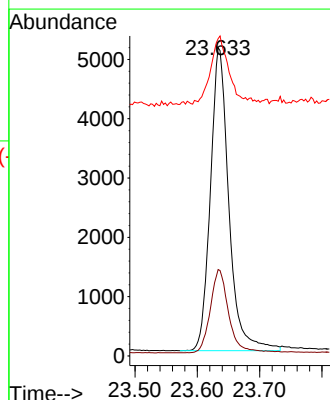
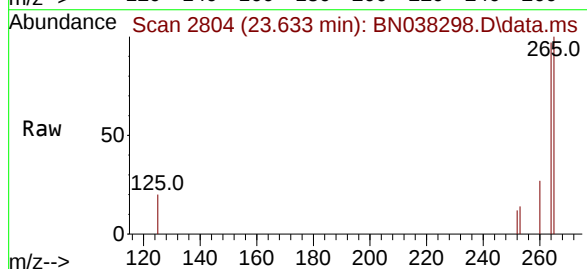
Tgt Ion:264 Resp: 10537

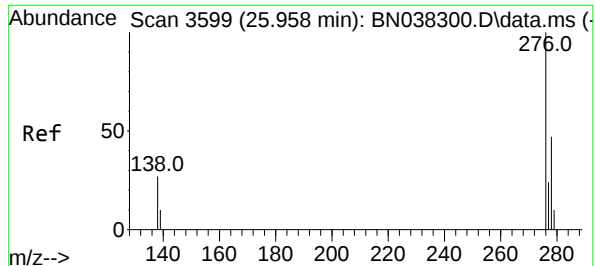
Ion Ratio Lower Upper

264 100

260 28.0 22.2 33.2

265 102.9 80.2 120.2





#36

Indeno(1,2,3-cd)pyrene

Concen: 0.085 ng

RT: 25.967 min Scan# 30

Delta R.T. 0.003 min

Lab File: BN038298.D

Acq: 10 Dec 2025 09:52

Instrument :

BNA_N

ClientSampleId :

SSTDIC0.1

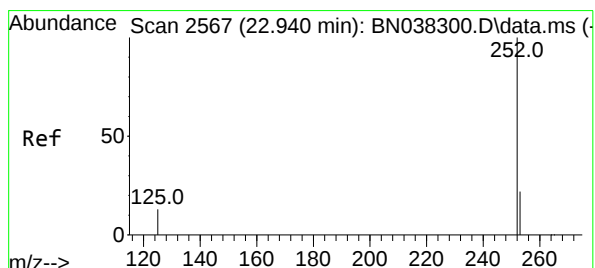
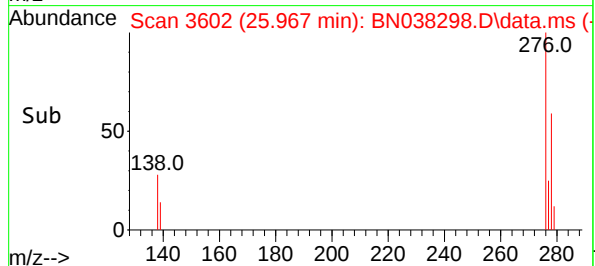
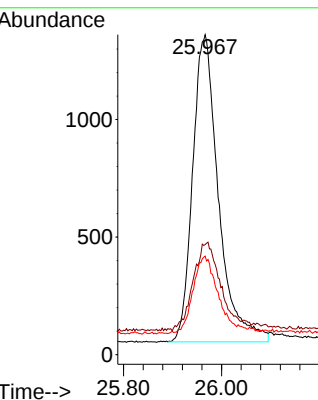
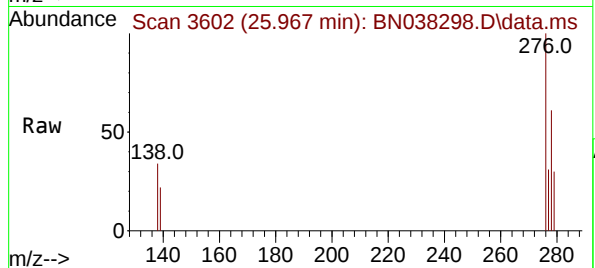
Tgt Ion:276 Resp: 4777

Ion Ratio Lower Upper

276 100

138 30.4 23.6 35.4

277 23.2 19.7 29.5



#37

Benzo(b)fluoranthene

Concen: 0.091 ng

RT: 22.943 min Scan# 2568

Delta R.T. -0.003 min

Lab File: BN038298.D

Acq: 10 Dec 2025 09:52

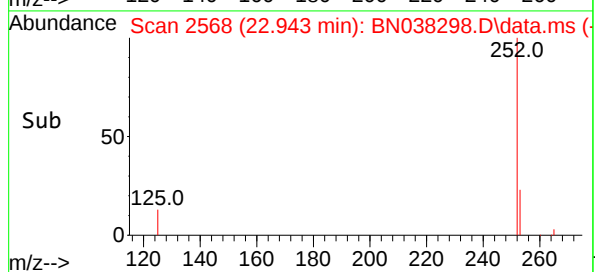
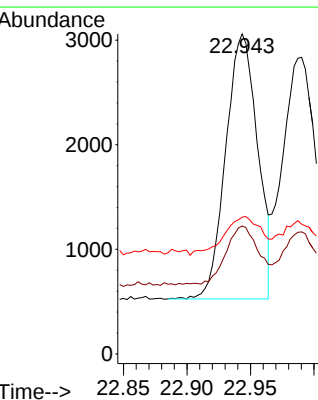
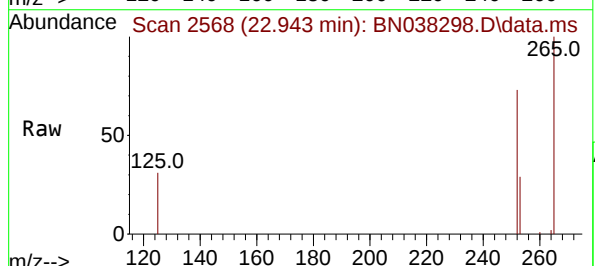
Tgt Ion:252 Resp: 4408

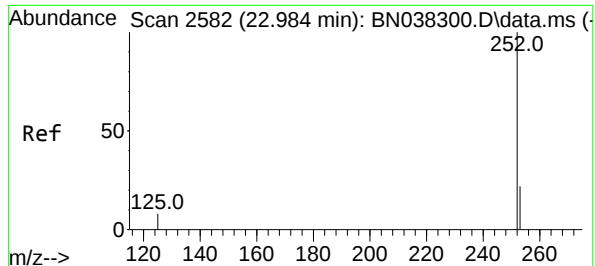
Ion Ratio Lower Upper

252 100

253 40.0 21.1 31.7#

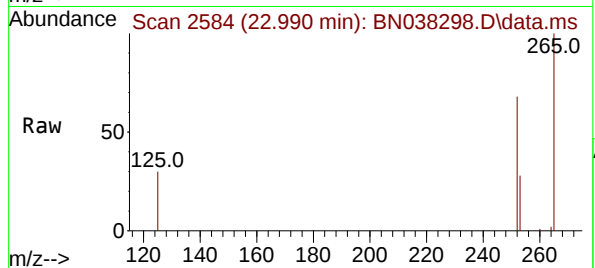
125 42.7 16.4 24.6#



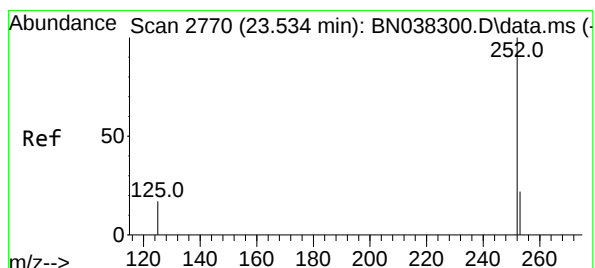
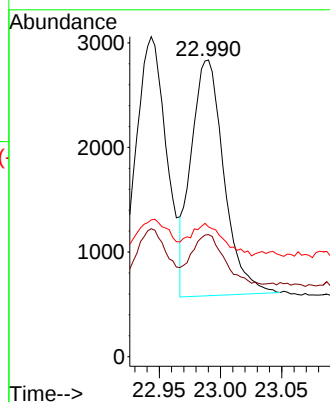


#38
Benzo(k)fluoranthene
Concen: 0.087 ng
RT: 22.990 min Scan# 2584
Delta R.T. 0.000 min
Lab File: BN038298.D
Acq: 10 Dec 2025 09:52

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.1

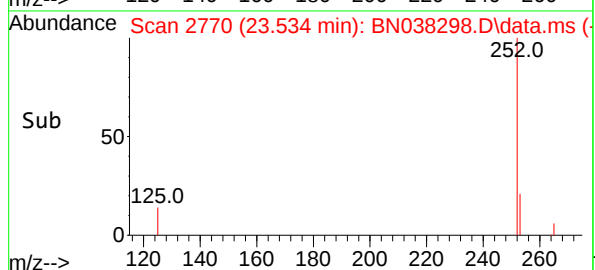
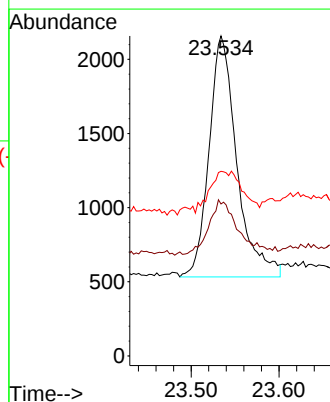
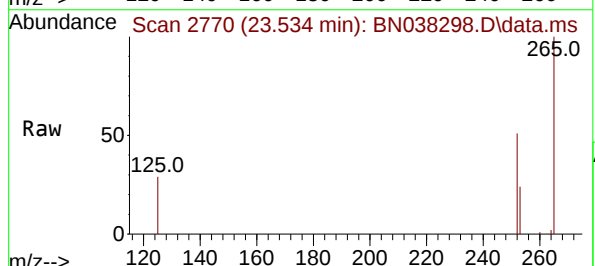


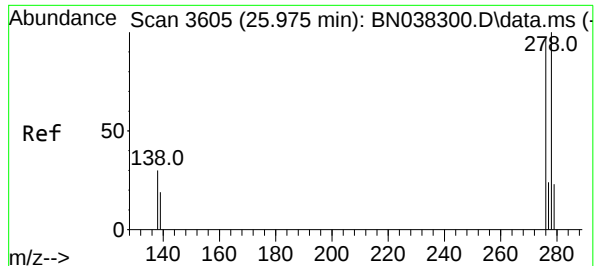
Tgt Ion:252 Resp: 4206
Ion Ratio Lower Upper
252 100
253 41.1 21.4 32.0#
125 43.7 16.2 24.2#



#39
Benzo(a)pyrene
Concen: 0.090 ng
RT: 23.534 min Scan# 2770
Delta R.T. 0.000 min
Lab File: BN038298.D
Acq: 10 Dec 2025 09:52

Tgt Ion:252 Resp: 3570
Ion Ratio Lower Upper
252 100
253 47.5 23.3 34.9#
125 57.7 22.4 33.6#





#40

Dibenzo(a,h)anthracene

Concen: 0.085 ng

RT: 25.987 min Scan# 3609

Delta R.T. 0.006 min

Lab File: BN038298.D

Acq: 10 Dec 2025 09:52

Instrument :

BNA_N

ClientSampleId :

SSTDICC0.1

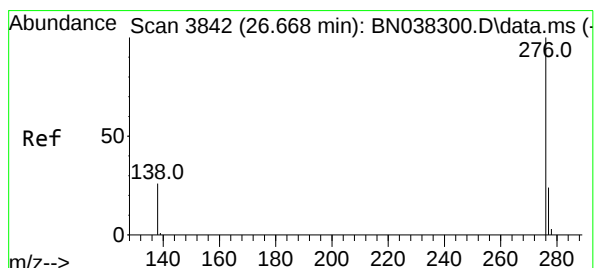
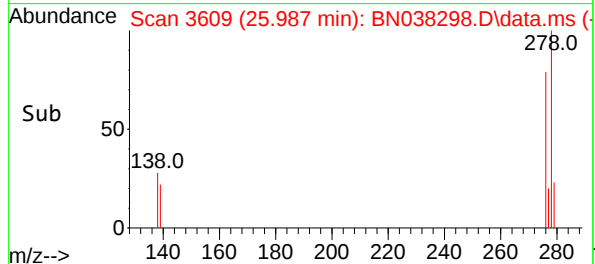
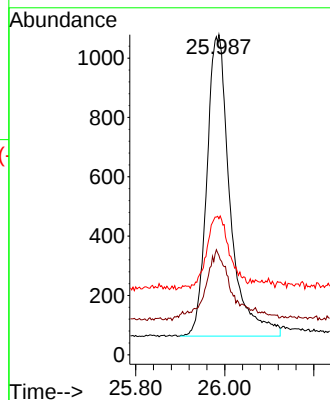
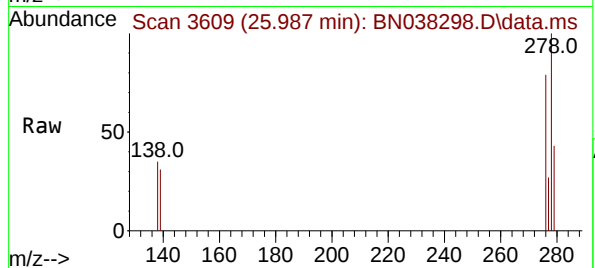
Tgt Ion:278 Resp: 3677

Ion Ratio Lower Upper

278 100

139 31.0 17.8 26.8#

279 42.5 21.3 31.9#



#41

Benzo(g,h,i)perylene

Concen: 0.089 ng

RT: 26.671 min Scan# 3843

Delta R.T. -0.006 min

Lab File: BN038298.D

Acq: 10 Dec 2025 09:52

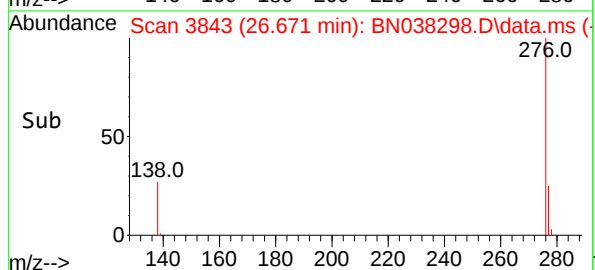
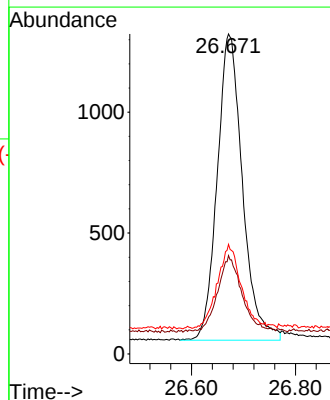
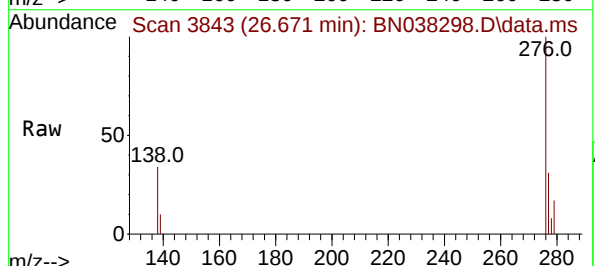
Tgt Ion:276 Resp: 4274

Ion Ratio Lower Upper

276 100

277 30.7 20.0 30.0#

138 34.2 21.8 32.6#



Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN121025\
 Data File : BN038299.D
 Acq On : 10 Dec 2025 10:28
 Operator : RC/JU
 Sample : SSTDICC0.2
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 SSTDICC0.2

Quant Time: Dec 10 13:59:20 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN121025.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Dec 10 13:56:50 2025
 Response via : Initial Calibration

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

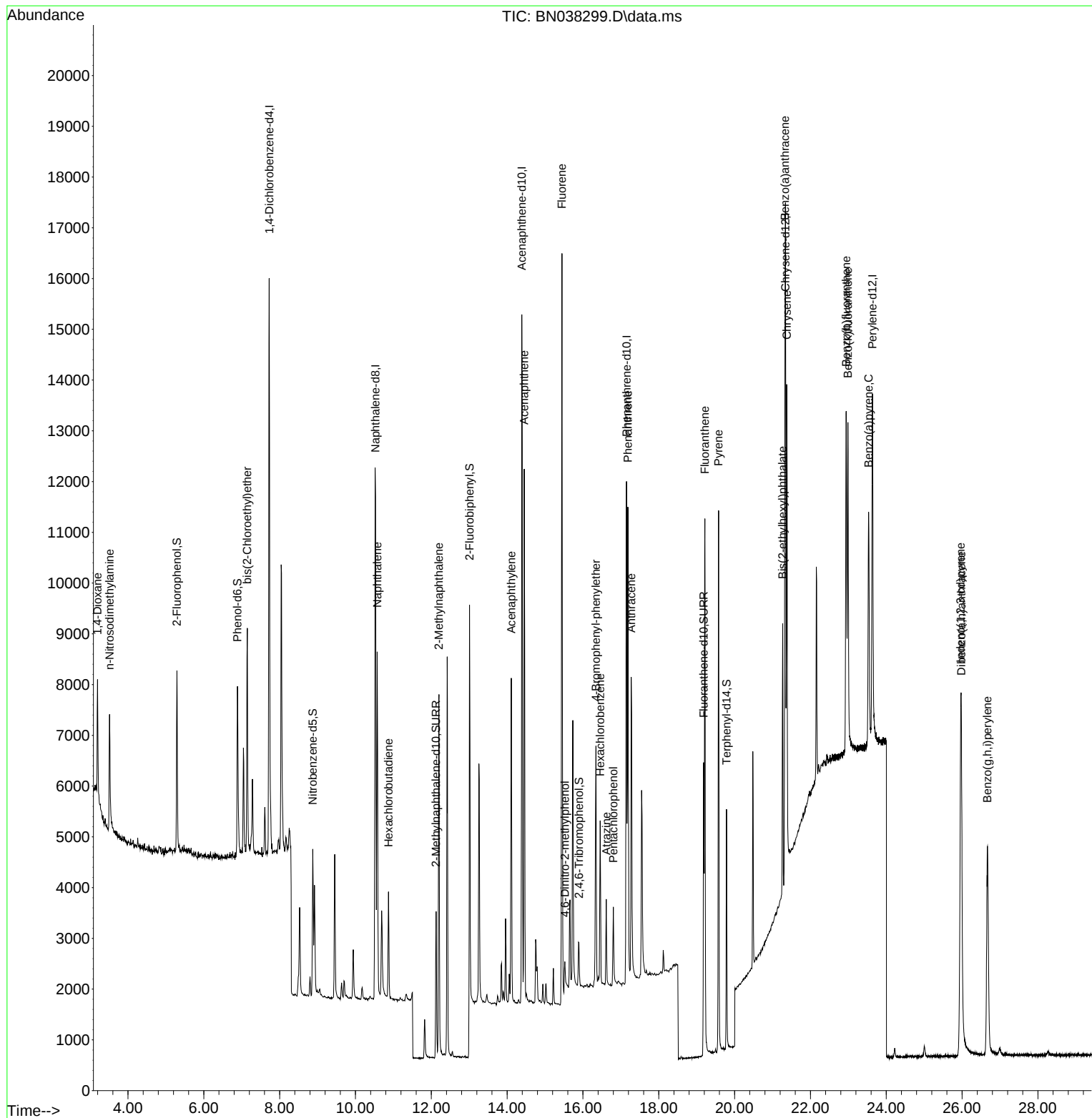
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.724	152	5832	0.400	ng	0.00
7) Naphthalene-d8	10.530	136	15274	0.400	ng	0.00
13) Acenaphthene-d10	14.388	164	7698	0.400	ng	-0.01
19) Phenanthrene-d10	17.149	188	13779	0.400	ng	0.00
29) Chrysene-d12	21.340	240	10001	0.400	ng	0.00
35) Perylene-d12	23.636	264	9929	0.400	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.290	112	3015	0.208	ng	0.00
5) Phenol-d6	6.887	99	3373	0.195	ng	0.00
8) Nitrobenzene-d5	8.875	82	2478	0.192	ng	0.00
11) 2-Methylnaphthalene-d10	12.126	152	4184	0.194	ng	0.00
14) 2,4,6-Tribromophenol	15.895	330	624	0.183	ng	0.00
15) 2-Fluorobiphenyl	13.008	172	7511	0.203	ng	0.00
27) Fluoranthene-d10	19.183	212	6525	0.191	ng	0.00
31) Terphenyl-d14	19.787	244	4585	0.205	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	3.196	88	1475	0.221	ng	97
3) n-Nitrosodimethylamine	3.514	42	1649	0.197	ng	# 97
6) bis(2-Chloroethyl)ether	7.147	93	3414	0.202	ng	99
9) Naphthalene	10.573	128	9052	0.200	ng	98
10) Hexachlorobutadiene	10.872	225	1628	0.203	ng	# 100
12) 2-Methylnaphthalene	12.202	142	5611	0.196	ng	99
16) Acenaphthylene	14.110	152	7256	0.192	ng	99
17) Acenaphthene	14.452	154	5115	0.194	ng	98
18) Fluorene	15.446	166	6474	0.191	ng	100
20) 4,6-Dinitro-2-methylph...	15.523	198	373	0.165	ng	# 43
21) 4-Bromophenyl-phenylether	16.342	248	2003	0.196	ng	98
22) Hexachlorobenzene	16.453	284	2521	0.205	ng	99
23) Atrazine	16.615	200	1351	0.194	ng	99
24) Pentachlorophenol	16.801	266	853	0.178	ng	98
25) Phenanthrene	17.186	178	9460	0.197	ng	100
26) Anthracene	17.273	178	7793	0.188	ng	100
28) Fluoranthene	19.215	202	9737	0.191	ng	99
30) Pyrene	19.578	202	9841	0.200	ng	100
32) Benzo(a)anthracene	21.331	228	7688	0.199	ng	97
33) Chrysene	21.375	228	8559	0.201	ng	99
34) Bis(2-ethylhexyl)phtha...	21.268	149	5010	0.236	ng	98
36) Indeno(1,2,3-cd)pyrene	25.963	276	10127	0.192	ng	98
37) Benzo(b)fluoranthene	22.943	252	9091	0.199	ng	# 84
38) Benzo(k)fluoranthene	22.987	252	8902	0.196	ng	# 84
39) Benzo(a)pyrene	23.534	252	7243	0.194	ng	# 80
40) Dibenzo(a,h)anthracene	25.981	278	7551	0.186	ng	# 93
41) Benzo(g,h,i)perylene	26.668	276	9018	0.199	ng	97

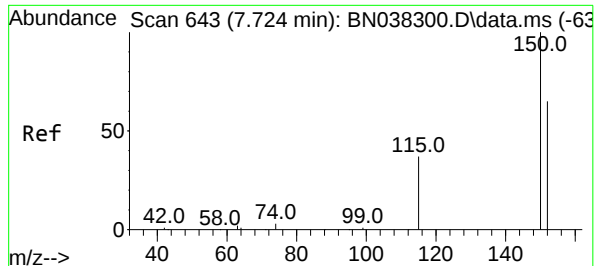
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN121025\
Data File : BN038299.D
Acq On : 10 Dec 2025 10:28
Operator : RC/JU
Sample : SSTDICC0.2
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.2

Quant Time: Dec 10 13:59:20 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN121025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Dec 10 13:56:50 2025
Response via : Initial Calibration

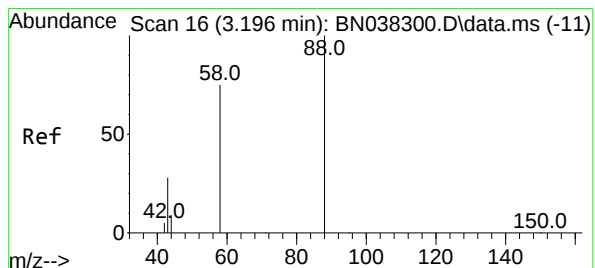
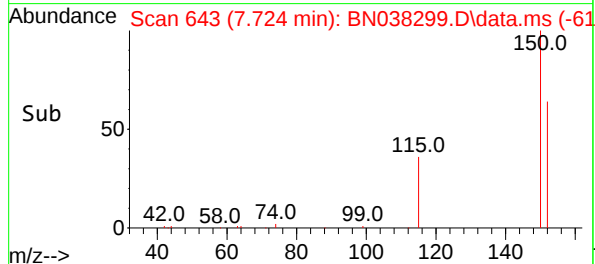
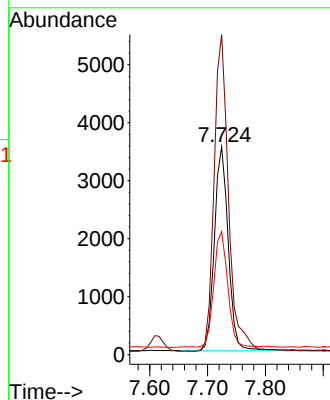
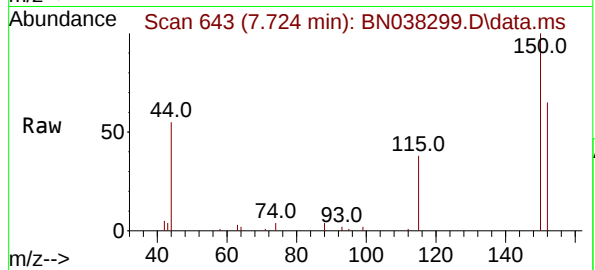




#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.724 min Scan# 64
Delta R.T. 0.000 min
Lab File: BN038299.D
Acq: 10 Dec 2025 10:28

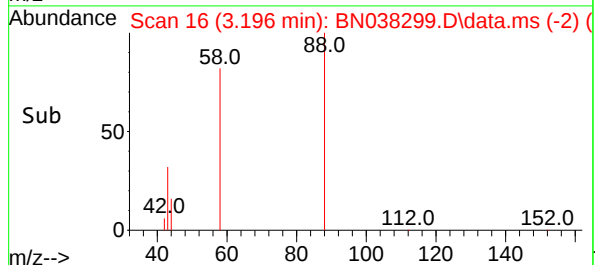
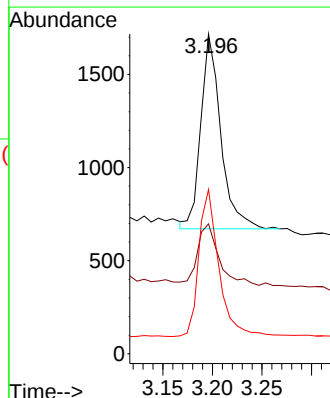
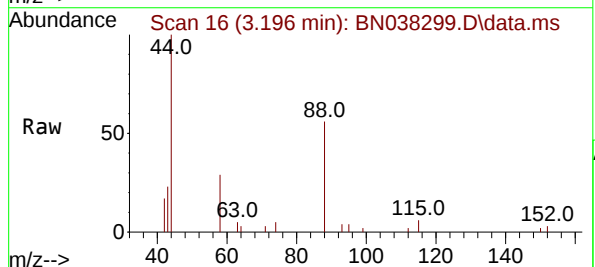
Instrument :
BNA_N
ClientSampleId :
SSTDICC0.2

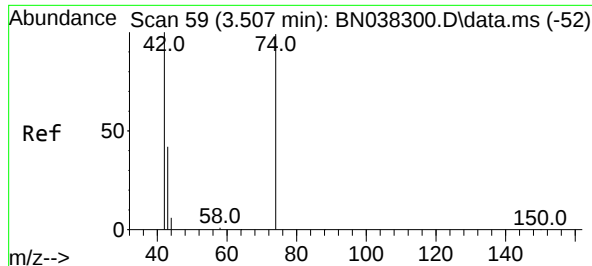
Tgt Ion:152 Resp: 5832
Ion Ratio Lower Upper
152 100
150 153.9 122.4 183.6
115 59.2 47.3 70.9



#2
1,4-Dioxane
Concen: 0.221 ng
RT: 3.196 min Scan# 16
Delta R.T. 0.000 min
Lab File: BN038299.D
Acq: 10 Dec 2025 10:28

Tgt Ion: 88 Resp: 1475
Ion Ratio Lower Upper
88 100
43 34.4 24.9 37.3
58 75.5 61.4 92.0

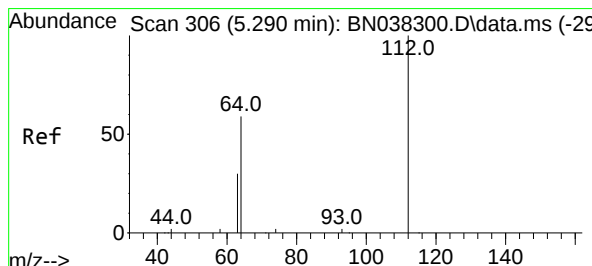
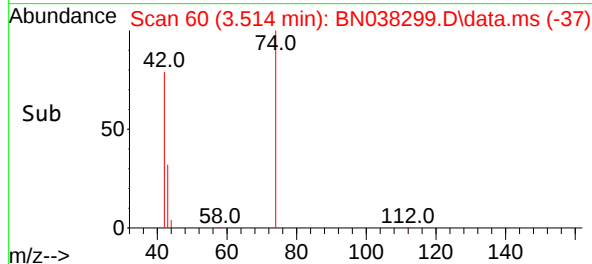
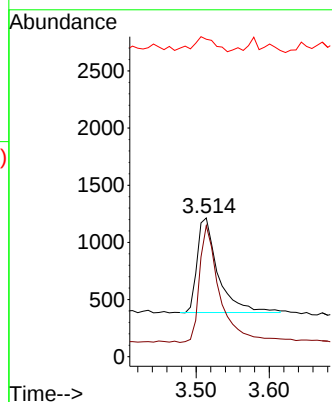
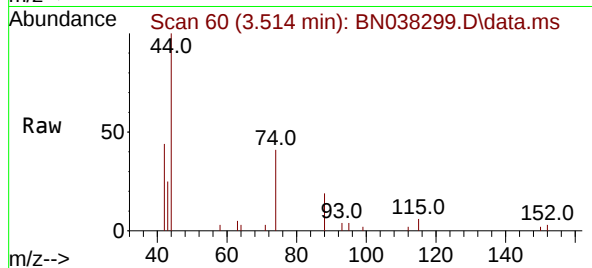




#3
n-Nitrosodimethylamine
Concen: 0.197 ng
RT: 3.514 min Scan# 60
Delta R.T. 0.014 min
Lab File: BN038299.D
Acq: 10 Dec 2025 10:28

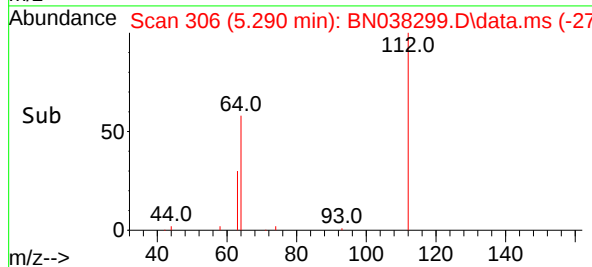
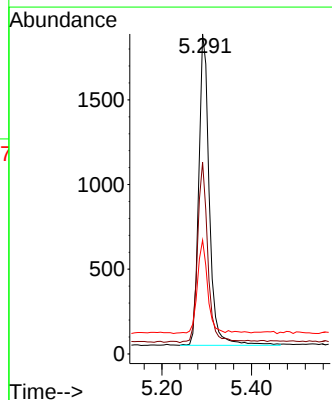
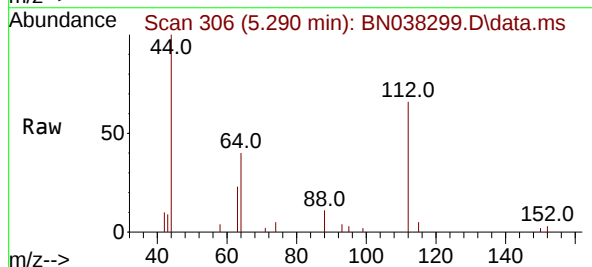
Instrument :
BNA_N
ClientSampleId :
SSTDICC0.2

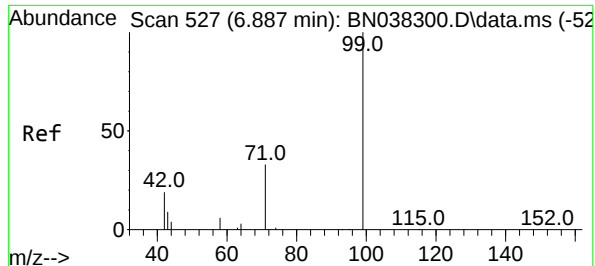
Tgt Ion: 42 Resp: 1649
Ion Ratio Lower Upper
42 100
74 121.1 95.3 142.9
44 15.8 7.9 11.9#



#4
2-Fluorophenol
Concen: 0.208 ng
RT: 5.290 min Scan# 306
Delta R.T. 0.000 min
Lab File: BN038299.D
Acq: 10 Dec 2025 10:28

Tgt Ion: 112 Resp: 3015
Ion Ratio Lower Upper
112 100
64 56.3 44.4 66.6
63 28.7 23.4 35.0

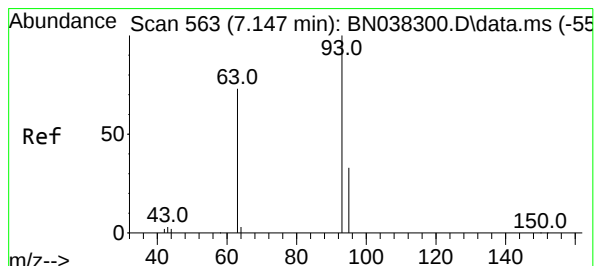
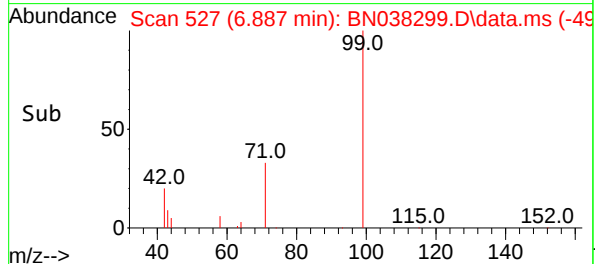
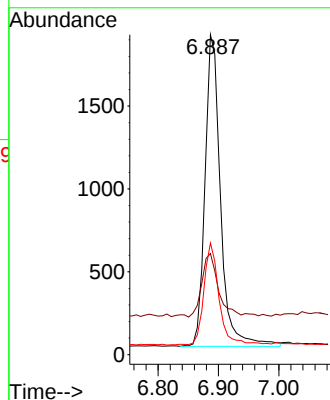
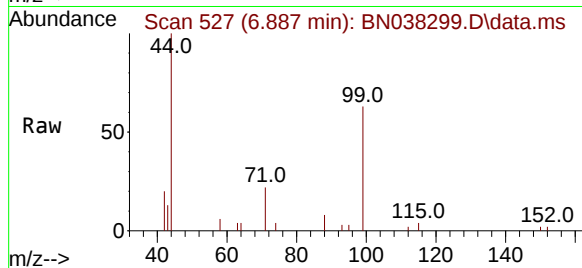




#5
Phenol-d6
Concen: 0.195 ng
RT: 6.887 min Scan# 51
Delta R.T. 0.000 min
Lab File: BN038299.D
Acq: 10 Dec 2025 10:28

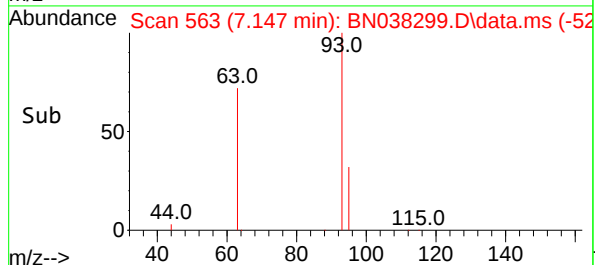
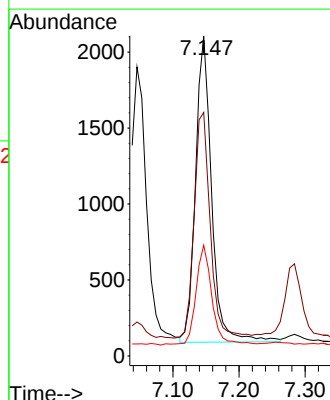
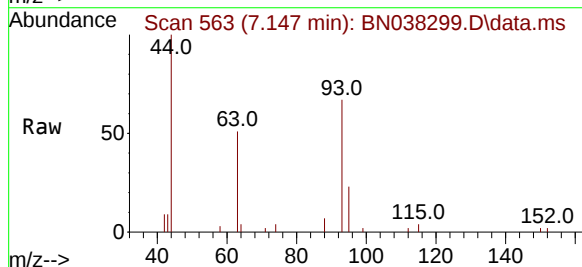
Instrument :
BNA_N
ClientSampleId :
SSTDICC0.2

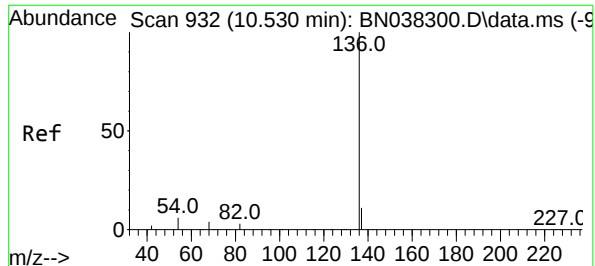
Tgt Ion: 99 Resp: 3373
Ion Ratio Lower Upper
99 100
42 22.7 16.5 24.7
71 32.4 24.9 37.3



#6
bis(2-Chloroethyl)ether
Concen: 0.202 ng
RT: 7.147 min Scan# 563
Delta R.T. 0.000 min
Lab File: BN038299.D
Acq: 10 Dec 2025 10:28

Tgt Ion: 93 Resp: 3414
Ion Ratio Lower Upper
93 100
63 73.9 59.2 88.8
95 32.5 25.2 37.8





#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.530 min Scan# 91

Delta R.T. 0.000 min

Lab File: BN038299.D

Acq: 10 Dec 2025 10:28

Instrument :

BNA_N

ClientSampleId :

SSTDICC0.2

Tgt Ion:136 Resp: 15274

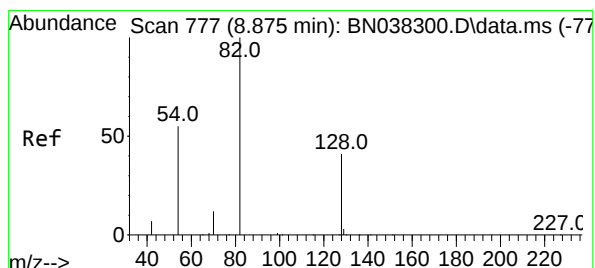
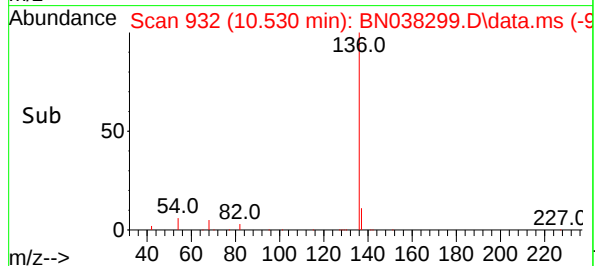
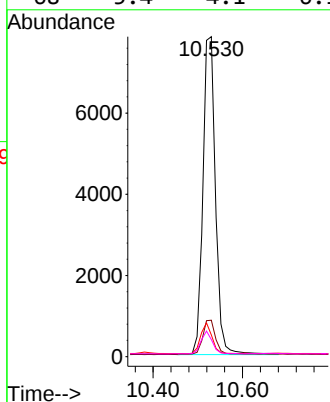
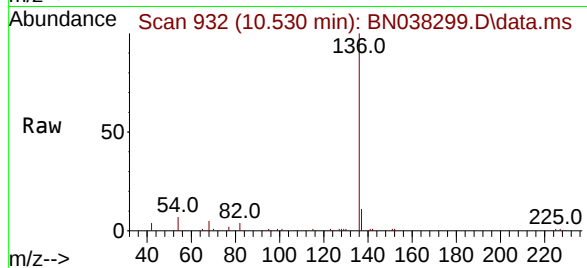
Ion Ratio Lower Upper

136 100

137 11.4 9.1 13.7

54 6.8 5.2 7.8

68 5.4 4.1 6.1



#8

Nitrobenzene-d5

Concen: 0.192 ng

RT: 8.875 min Scan# 777

Delta R.T. 0.000 min

Lab File: BN038299.D

Acq: 10 Dec 2025 10:28

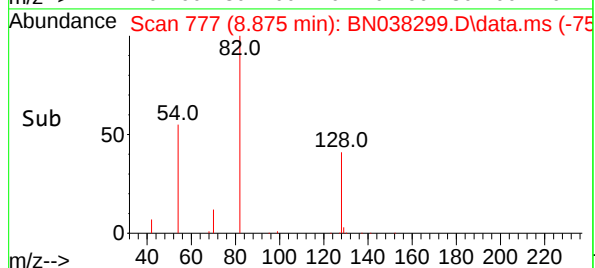
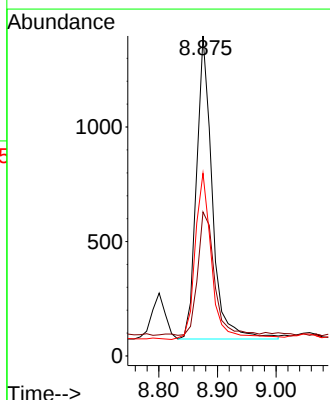
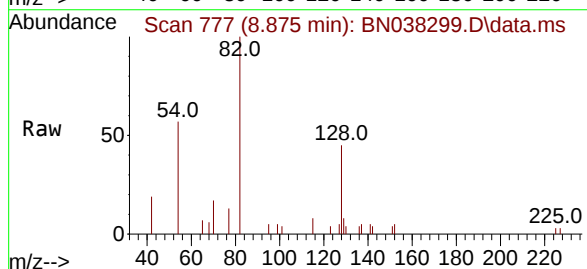
Tgt Ion: 82 Resp: 2478

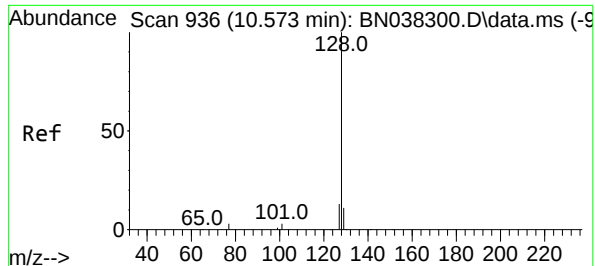
Ion Ratio Lower Upper

82 100

128 45.0 34.0 51.0

54 57.1 44.4 66.6

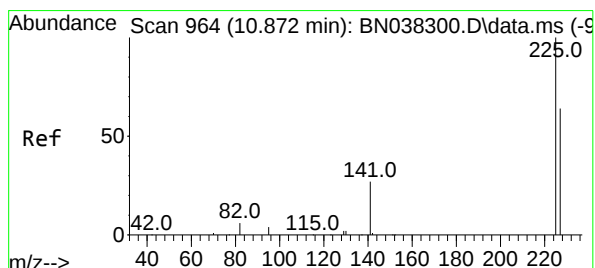
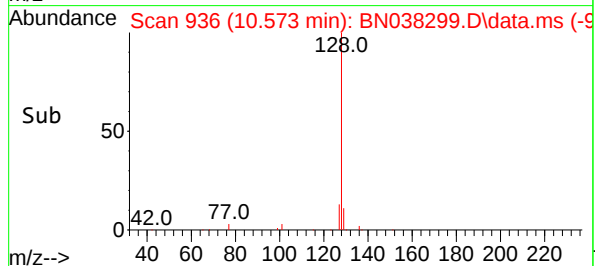
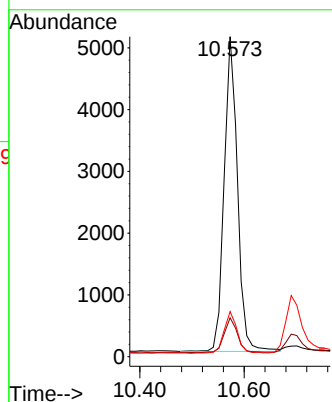
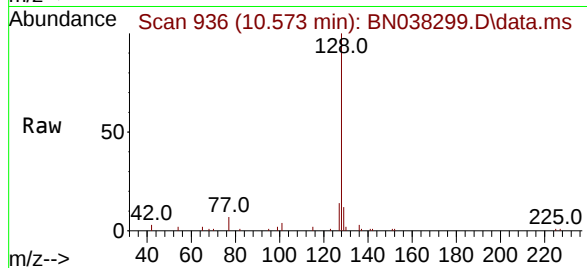




#9
Naphthalene
Concen: 0.200 ng
RT: 10.573 min Scan# 91
Delta R.T. 0.000 min
Lab File: BN038299.D
Acq: 10 Dec 2025 10:28

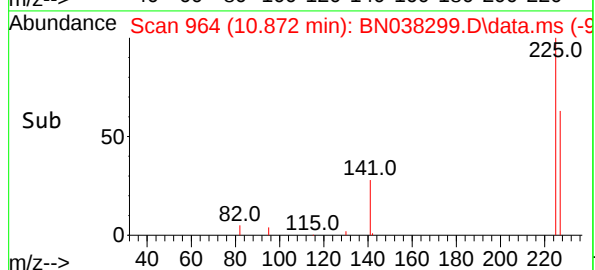
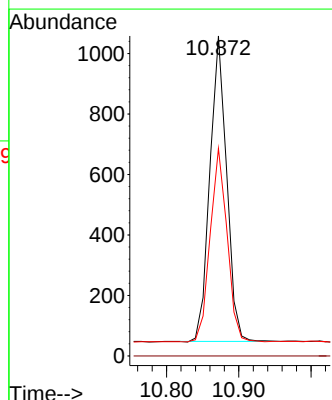
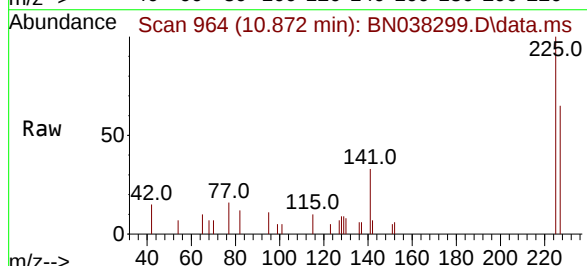
Instrument :
BNA_N
ClientSampleId :
SSTDICC0.2

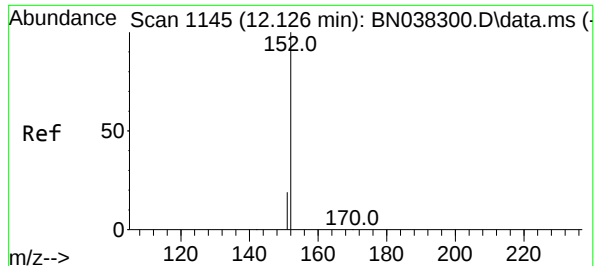
Tgt Ion:128 Resp: 9052
Ion Ratio Lower Upper
128 100
129 12.1 9.1 13.7
127 14.1 10.9 16.3



#10
Hexachlorobutadiene
Concen: 0.203 ng
RT: 10.872 min Scan# 964
Delta R.T. 0.000 min
Lab File: BN038299.D
Acq: 10 Dec 2025 10:28

Tgt Ion:225 Resp: 1628
Ion Ratio Lower Upper
225 100
223 0.0 0.0 0.0
227 63.8 51.2 76.8

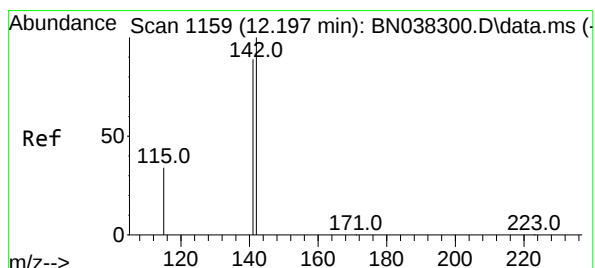
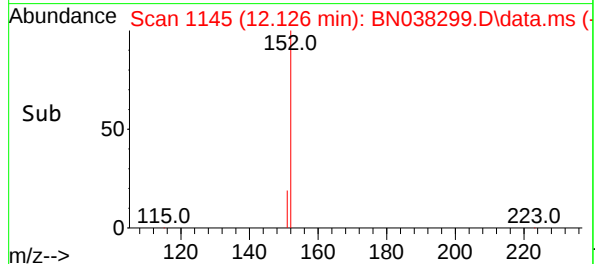
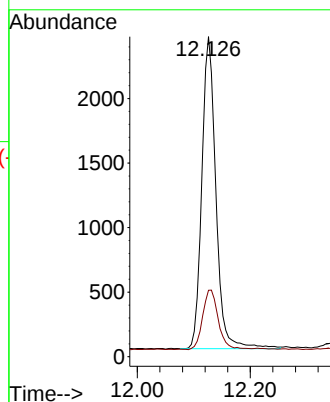
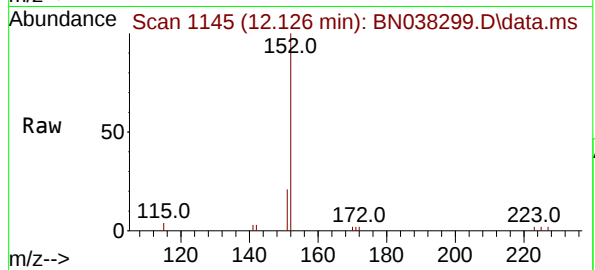




#11
2-Methylnaphthalene-d10
Concen: 0.194 ng
RT: 12.126 min Scan# 1145
Delta R.T. 0.000 min
Lab File: BN038299.D
Acq: 10 Dec 2025 10:28

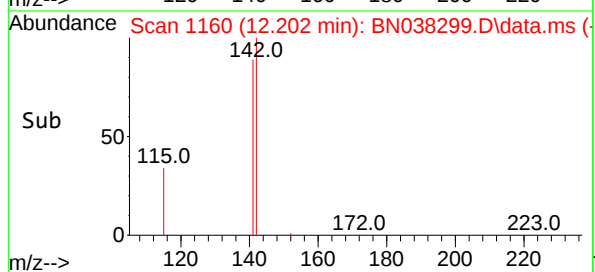
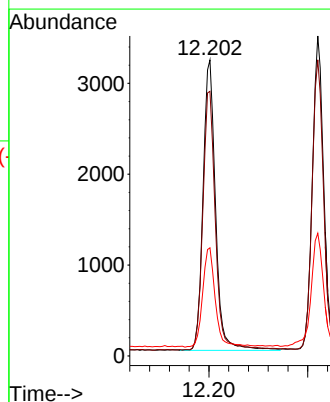
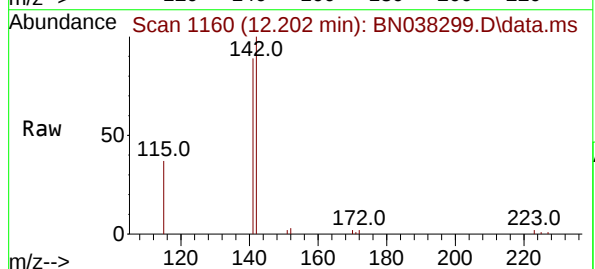
Instrument :
BNA_N
ClientSampleId :
SSTDICC0.2

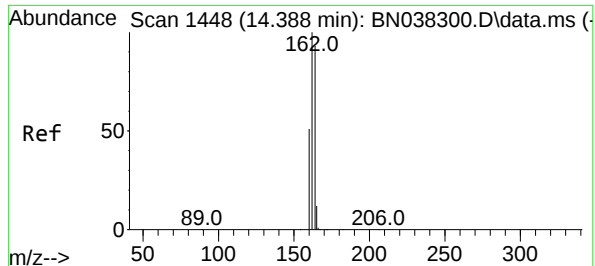
Tgt Ion:152 Resp: 4184
Ion Ratio Lower Upper
152 100
151 21.3 17.0 25.6



#12
2-Methylnaphthalene
Concen: 0.196 ng
RT: 12.202 min Scan# 1160
Delta R.T. 0.000 min
Lab File: BN038299.D
Acq: 10 Dec 2025 10:28

Tgt Ion:142 Resp: 5611
Ion Ratio Lower Upper
142 100
141 89.4 71.4 107.2
115 36.5 28.4 42.6

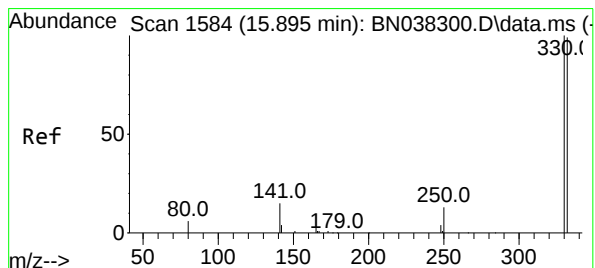
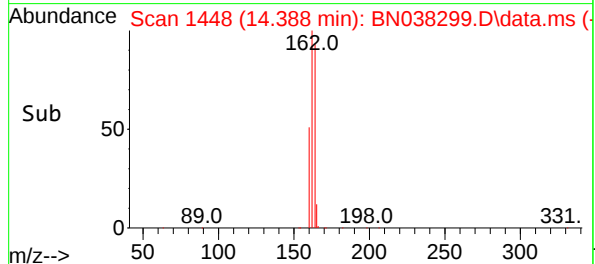
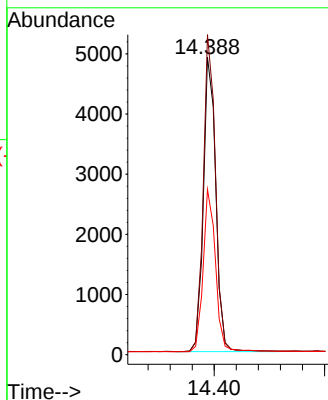
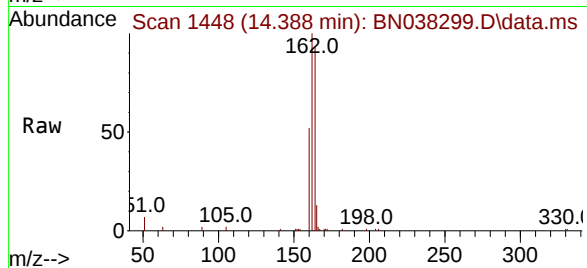




#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.388 min Scan# 1448
Delta R.T. -0.011 min
Lab File: BN038299.D
Acq: 10 Dec 2025 10:28

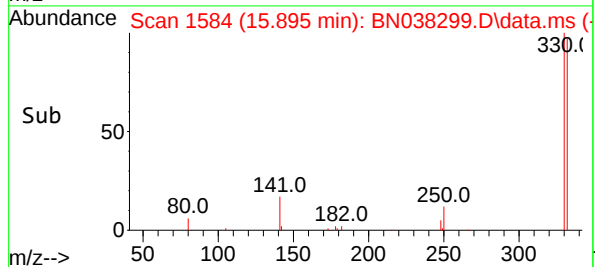
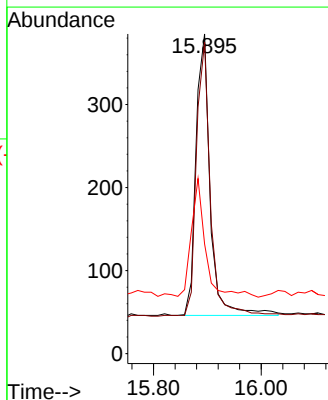
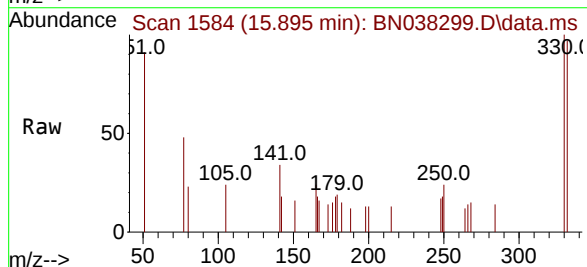
Instrument :
BNA_N
ClientSampleId :
SSTDICC0.2

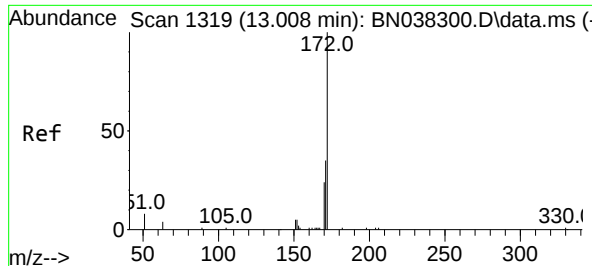
Tgt Ion:164 Resp: 7698
Ion Ratio Lower Upper
164 100
162 107.6 86.2 129.4
160 55.6 44.6 67.0



#14
2,4,6-Tribromophenol
Concen: 0.183 ng
RT: 15.895 min Scan# 1584
Delta R.T. 0.000 min
Lab File: BN038299.D
Acq: 10 Dec 2025 10:28

Tgt Ion:330 Resp: 624
Ion Ratio Lower Upper
330 100
332 96.2 75.8 113.6
141 41.7 31.8 47.8

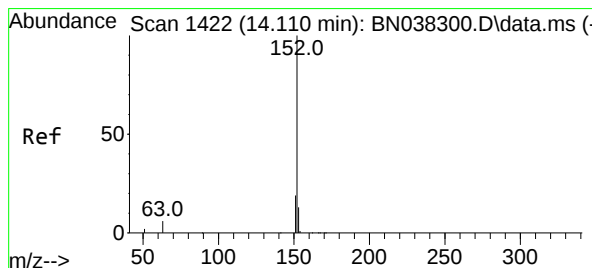
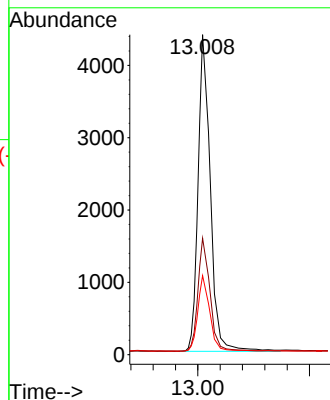
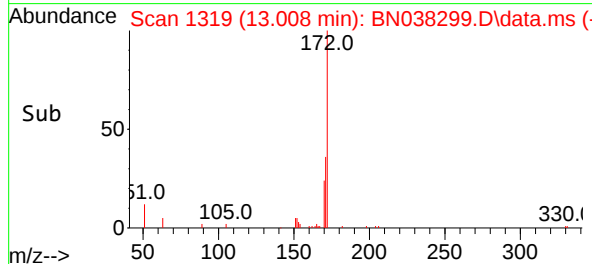
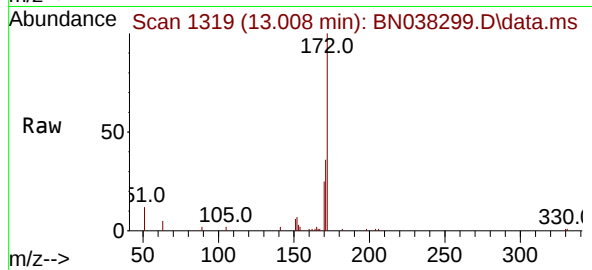




#15
2-Fluorobiphenyl
Concen: 0.203 ng
RT: 13.008 min Scan# 1319
Delta R.T. 0.000 min
Lab File: BN038299.D
Acq: 10 Dec 2025 10:28

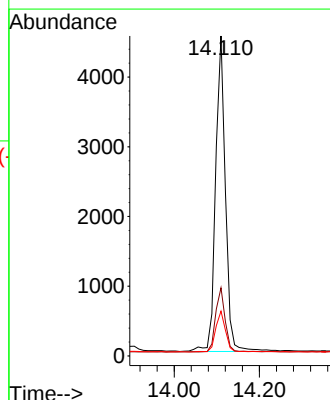
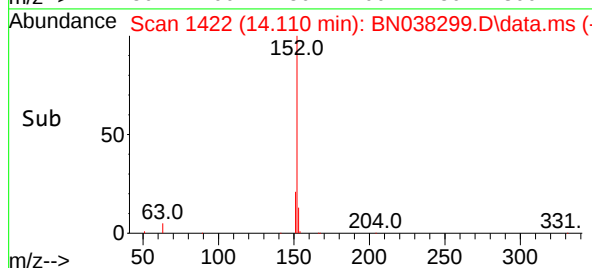
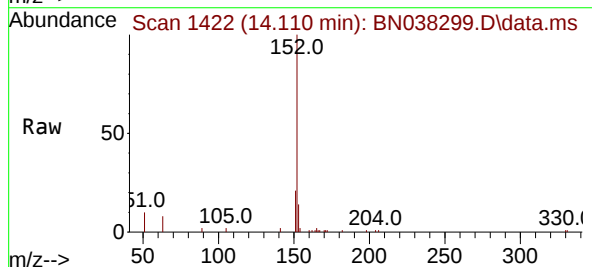
Instrument :
BNA_N
ClientSampleId :
SSTDICC0.2

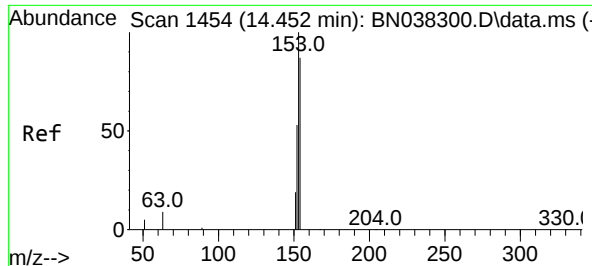
Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.4	28.6	42.8
170	24.7	19.3	28.9



#16
Acenaphthylene
Concen: 0.192 ng
RT: 14.110 min Scan# 1422
Delta R.T. 0.000 min
Lab File: BN038299.D
Acq: 10 Dec 2025 10:28

Tgt Ion	Ratio	Lower	Upper
152	100		
151	19.7	15.4	23.2
153	12.9	10.2	15.4

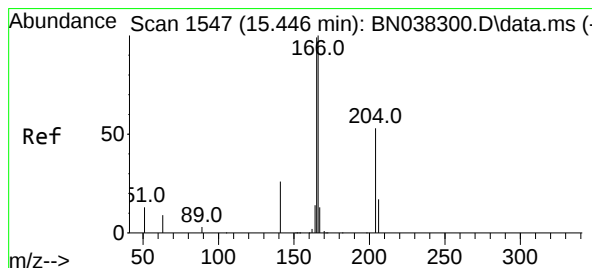
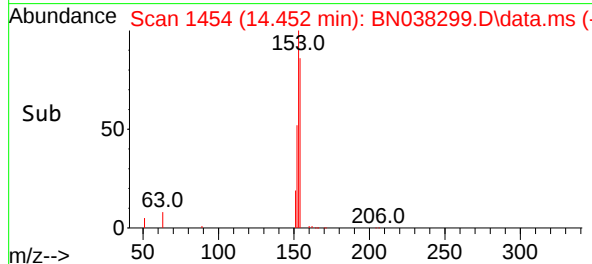
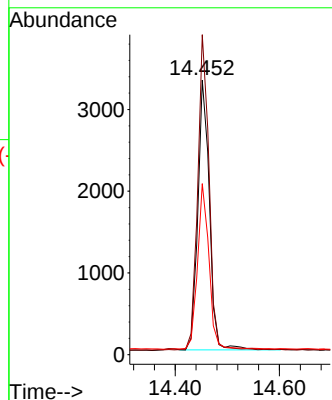
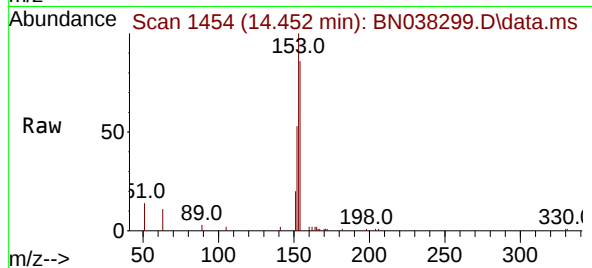




#17
Acenaphthene
Concen: 0.194 ng
RT: 14.452 min Scan# 1454
Delta R.T. -0.011 min
Lab File: BN038299.D
Acq: 10 Dec 2025 10:28

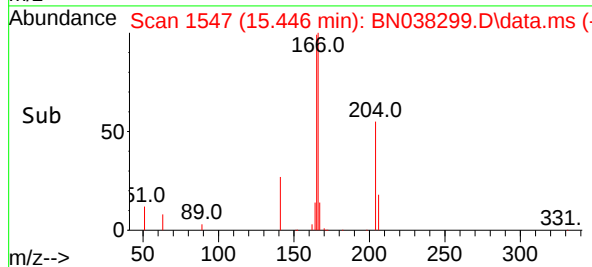
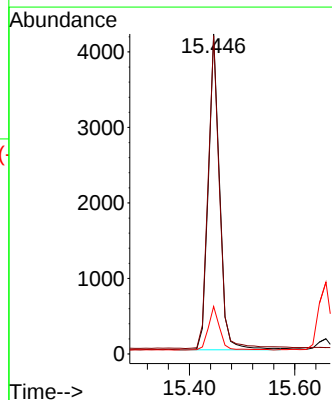
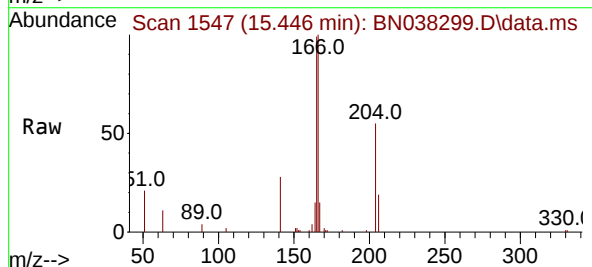
Instrument :
BNA_N
ClientSampleId :
SSTDICC0.2

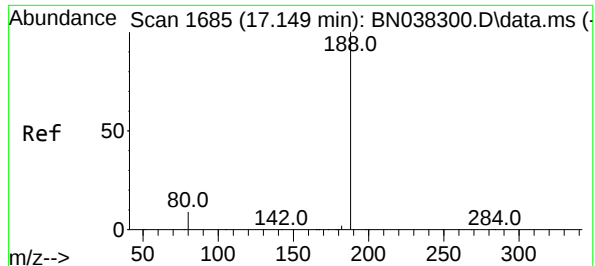
Tgt Ion	Ratio	Lower	Upper
154	100		
153	114.1	89.8	134.8
152	61.2	47.5	71.3



#18
Fluorene
Concen: 0.191 ng
RT: 15.446 min Scan# 1547
Delta R.T. -0.000 min
Lab File: BN038299.D
Acq: 10 Dec 2025 10:28

Tgt Ion	Ratio	Lower	Upper
166	100		
165	100.6	80.2	120.4
167	13.7	10.6	16.0





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 17.149 min Scan# 1

Delta R.T. 0.000 min

Lab File: BN038299.D

Acq: 10 Dec 2025 10:28

Instrument :

BNA_N

ClientSampleId :

SSTDICC0.2

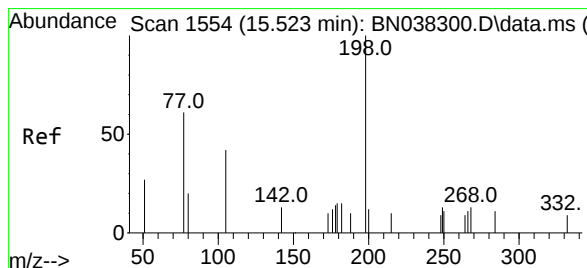
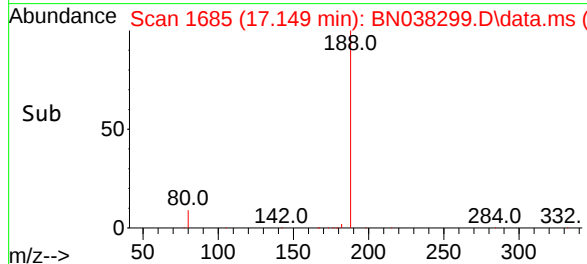
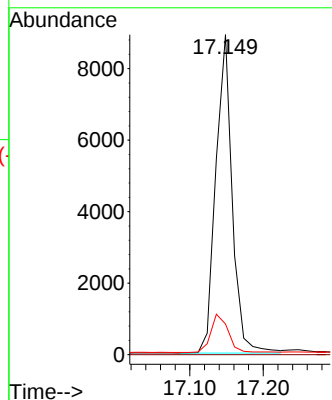
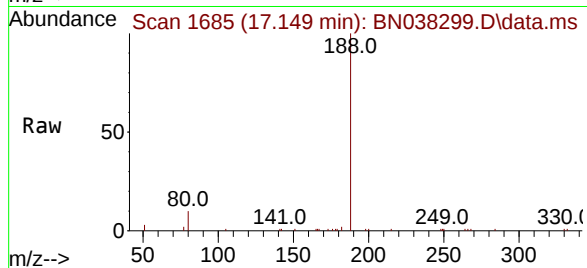
Tgt Ion:188 Resp: 13779

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

80 9.6 7.4 11.0



#20

4,6-Dinitro-2-methylphenol

Concen: 0.165 ng

RT: 15.523 min Scan# 1554

Delta R.T. 0.001 min

Lab File: BN038299.D

Acq: 10 Dec 2025 10:28

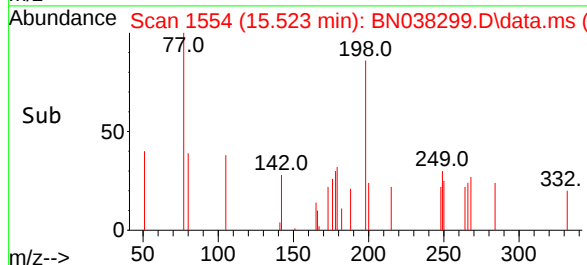
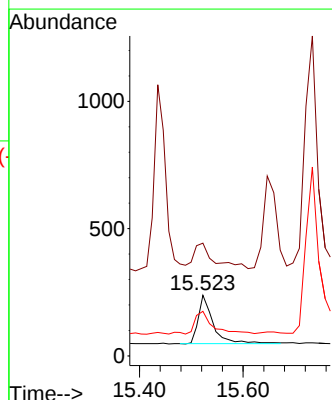
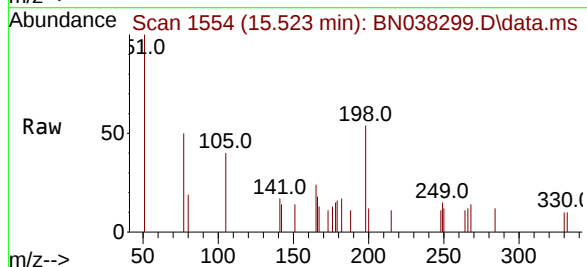
Tgt Ion:198 Resp: 373

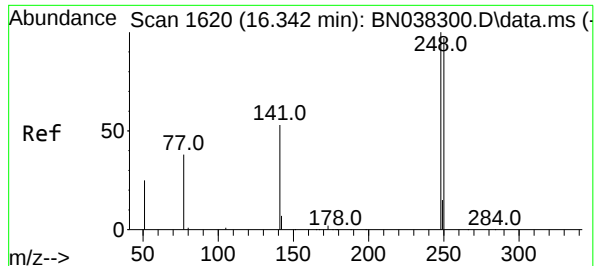
Ion Ratio Lower Upper

198 100

51 186.1 86.3 129.5#

105 73.5 45.3 67.9#

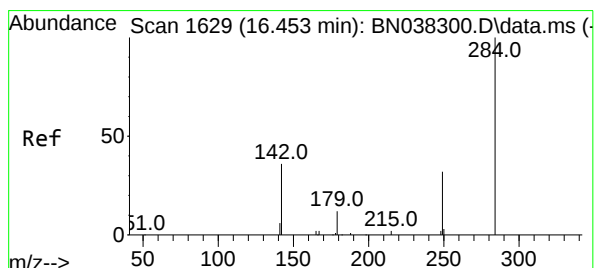
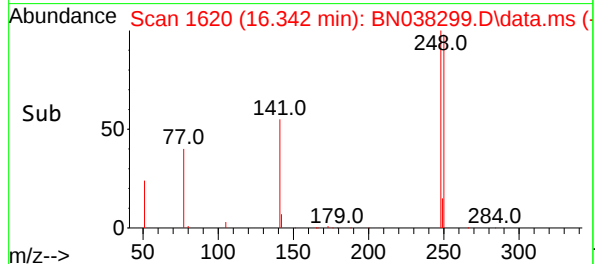
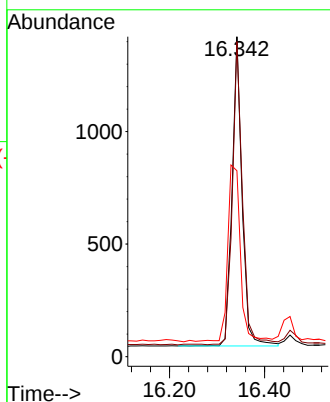
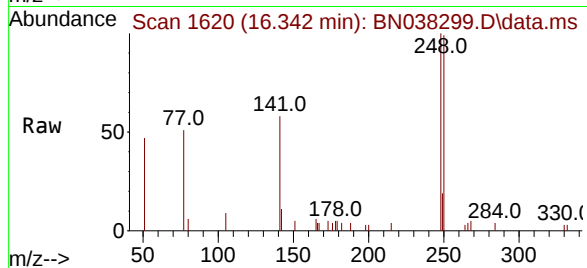




#21
4-Bromophenyl-phenylether
Concen: 0.196 ng
RT: 16.342 min Scan# 1620
Delta R.T. -0.000 min
Lab File: BN038299.D
Acq: 10 Dec 2025 10:28

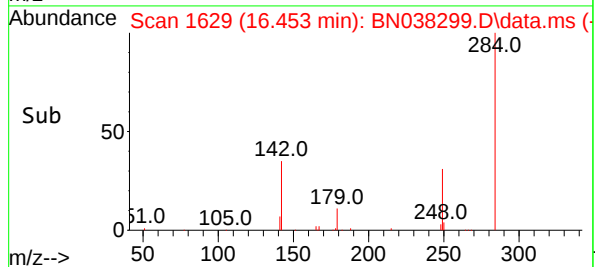
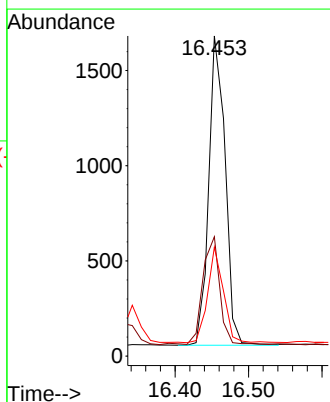
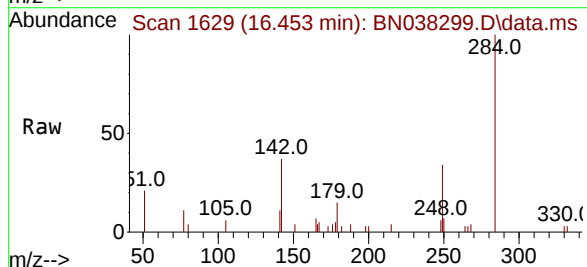
Instrument :
BNA_N
ClientSampleId :
SSTDICC0.2

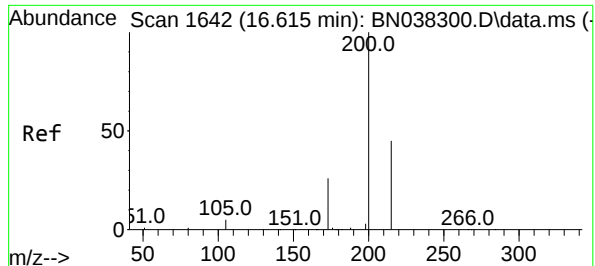
Tgt Ion	Ratio	Lower	Upper
248	100		
250	98.5	78.2	117.2
141	58.1	43.7	65.5



#22
Hexachlorobenzene
Concen: 0.205 ng
RT: 16.453 min Scan# 1629
Delta R.T. -0.012 min
Lab File: BN038299.D
Acq: 10 Dec 2025 10:28

Tgt Ion	Ratio	Lower	Upper
284	100		
142	36.2	29.5	44.3
249	29.9	23.7	35.5





#23

Atrazine

Concen: 0.194 ng

RT: 16.615 min Scan# 1642

Delta R.T. 0.000 min

Lab File: BN038299.D

Acq: 10 Dec 2025 10:28

Instrument :

BNA_N

ClientSampleId :

SSTDICC0.2

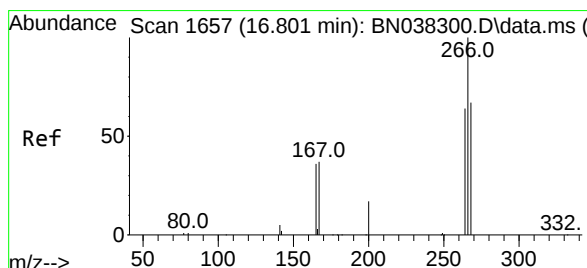
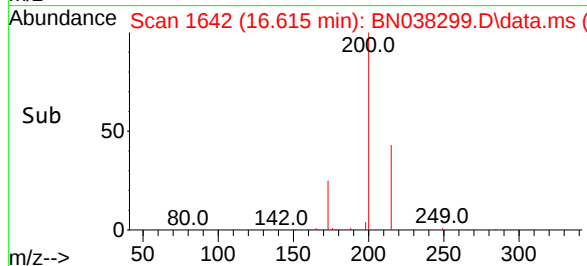
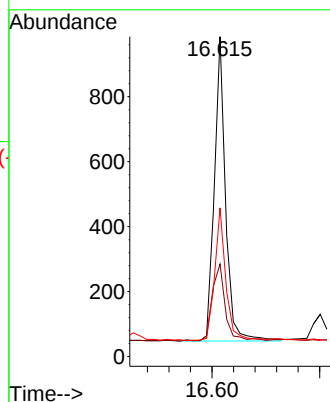
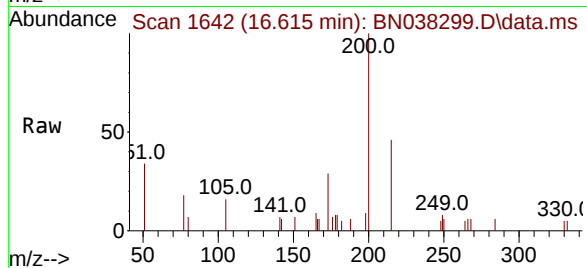
Tgt Ion:200 Resp: 1351

Ion Ratio Lower Upper

200 100

173 28.9 22.1 33.1

215 46.5 37.4 56.2



#24

Pentachlorophenol

Concen: 0.178 ng

RT: 16.801 min Scan# 1657

Delta R.T. 0.000 min

Lab File: BN038299.D

Acq: 10 Dec 2025 10:28

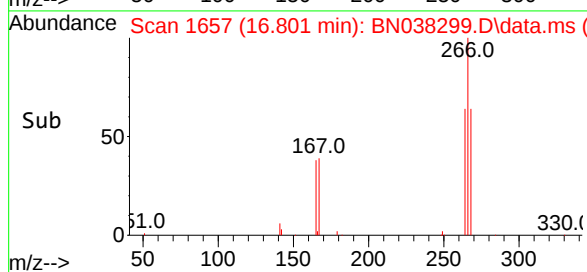
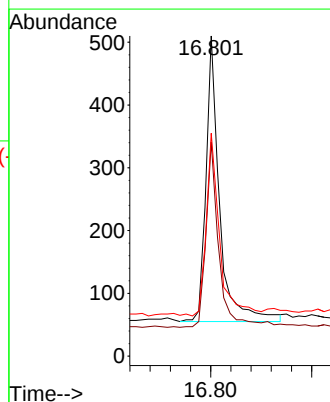
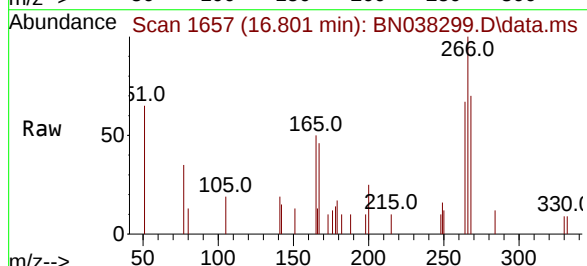
Tgt Ion:266 Resp: 853

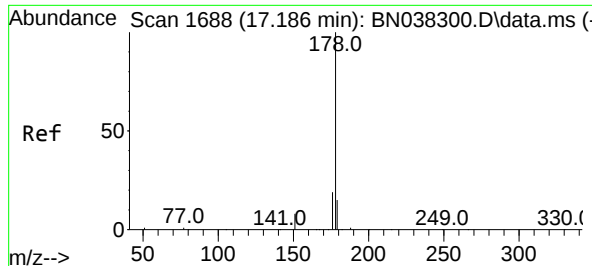
Ion Ratio Lower Upper

266 100

264 62.1 50.2 75.2

268 62.7 52.6 78.8

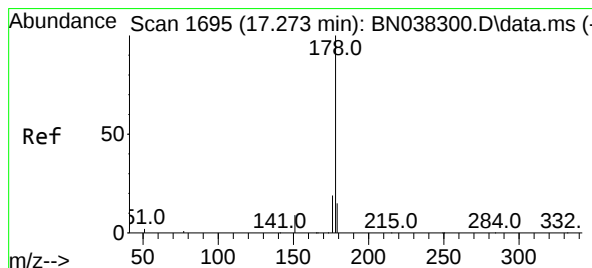
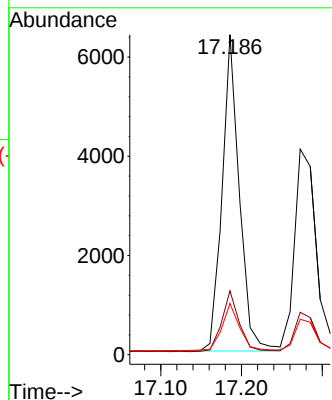
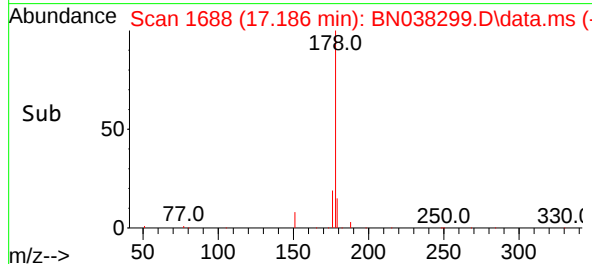
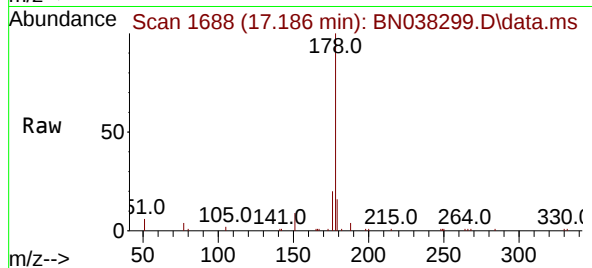




#25
Phenanthrene
Concen: 0.197 ng
RT: 17.186 min Scan# 1688
Delta R.T. 0.000 min
Lab File: BN038299.D
Acq: 10 Dec 2025 10:28

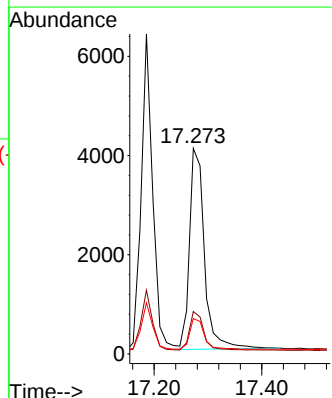
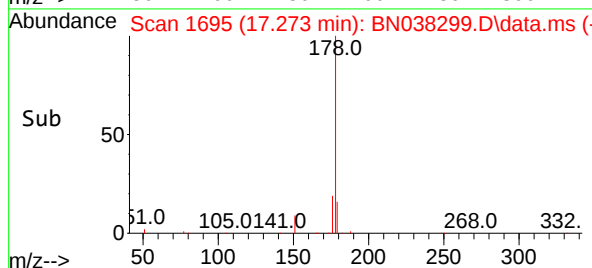
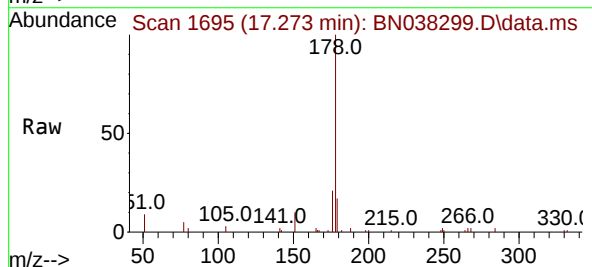
Instrument :
BNA_N
ClientSampleId :
SSTDICC0.2

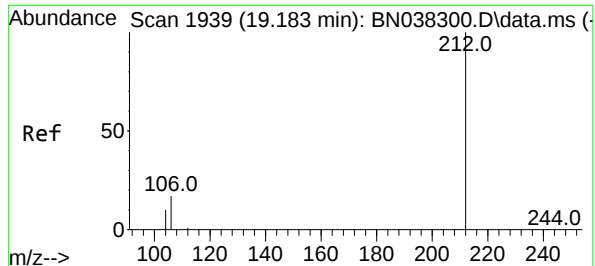
Tgt Ion:178 Resp: 9460
Ion Ratio Lower Upper
178 100
176 19.4 15.5 23.3
179 15.6 12.2 18.2



#26
Anthracene
Concen: 0.188 ng
RT: 17.273 min Scan# 1695
Delta R.T. -0.012 min
Lab File: BN038299.D
Acq: 10 Dec 2025 10:28

Tgt Ion:178 Resp: 7793
Ion Ratio Lower Upper
178 100
176 18.9 15.1 22.7
179 15.1 12.0 18.0

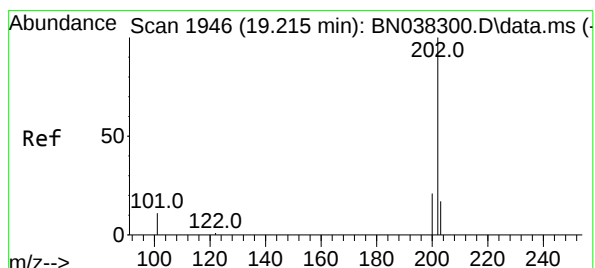
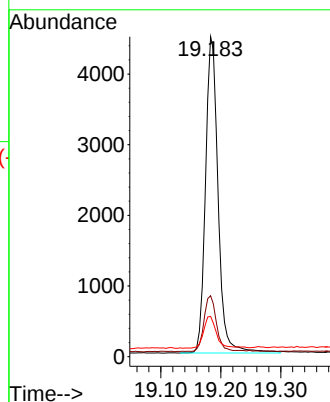
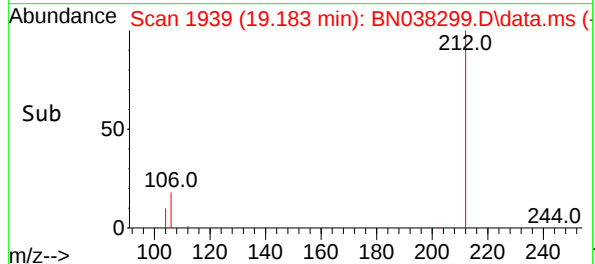
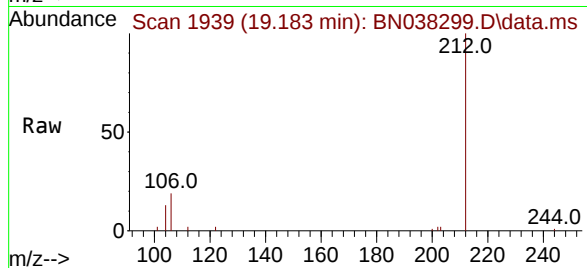




#27
Fluoranthene-d10
Concen: 0.191 ng
RT: 19.183 min Scan# 1939
Delta R.T. -0.005 min
Lab File: BN038299.D
Acq: 10 Dec 2025 10:28

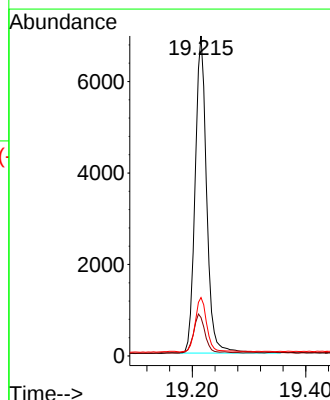
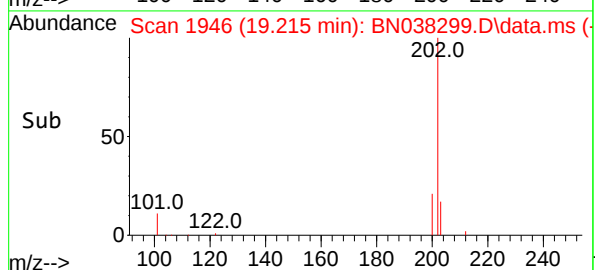
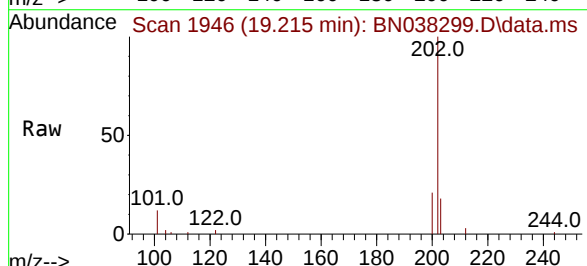
Instrument :
BNA_N
ClientSampleId :
SSTDICC0.2

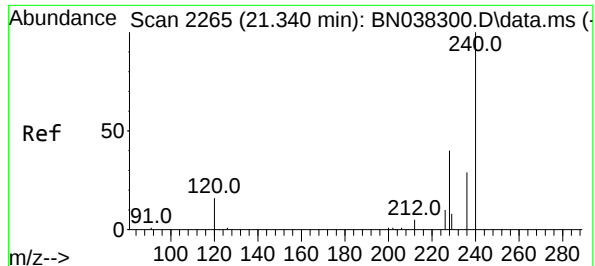
Tgt Ion	Ratio	Lower	Upper
212	100		
106	17.5	13.7	20.5
104	10.3	7.8	11.8



#28
Fluoranthene
Concen: 0.191 ng
RT: 19.215 min Scan# 1946
Delta R.T. -0.005 min
Lab File: BN038299.D
Acq: 10 Dec 2025 10:28

Tgt Ion	Ratio	Lower	Upper
202	100		
101	11.9	9.6	14.4
203	17.3	13.5	20.3





#29

Chrysene-d12

Concen: 0.400 ng

RT: 21.340 min Scan# 21

Delta R.T. 0.000 min

Lab File: BN038299.D

Acq: 10 Dec 2025 10:28

Instrument :

BNA_N

ClientSampleId :

SSTDICC0.2

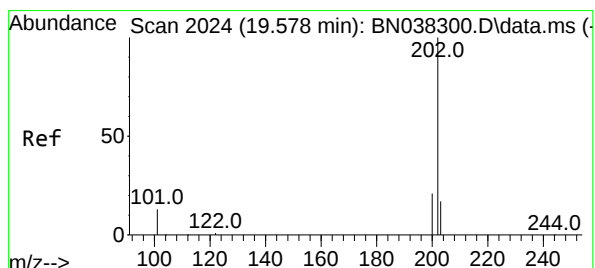
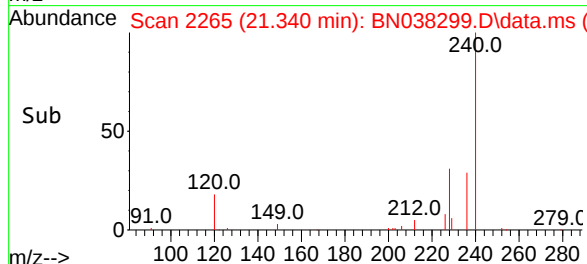
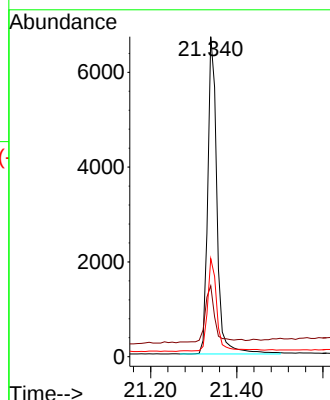
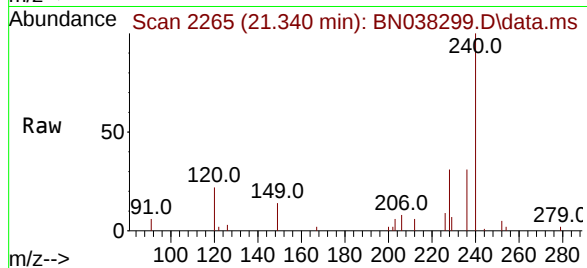
Tgt Ion:240 Resp: 10001

Ion Ratio Lower Upper

240 100

120 22.1 15.4 23.2

236 30.7 23.9 35.9



#30

Pyrene

Concen: 0.200 ng

RT: 19.578 min Scan# 2024

Delta R.T. -0.005 min

Lab File: BN038299.D

Acq: 10 Dec 2025 10:28

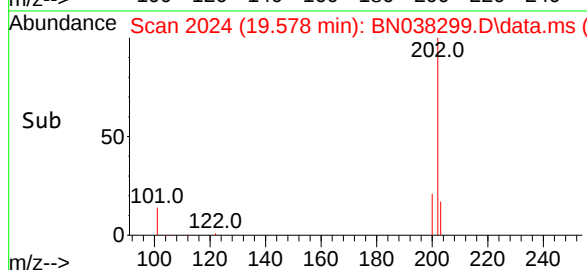
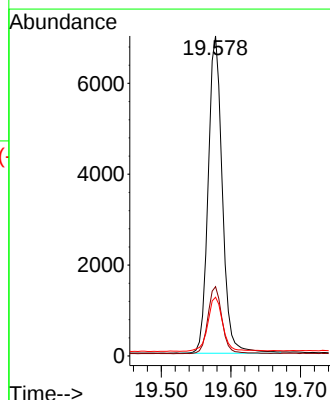
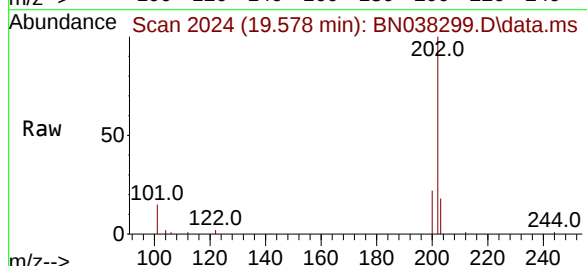
Tgt Ion:202 Resp: 9841

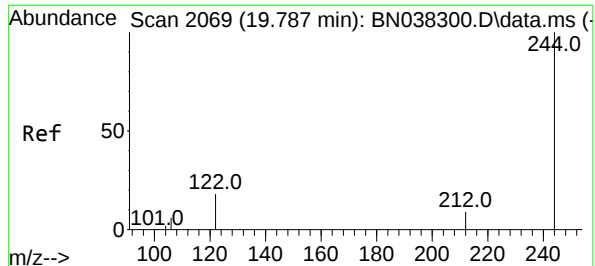
Ion Ratio Lower Upper

202 100

200 21.2 16.9 25.3

203 17.9 14.2 21.2

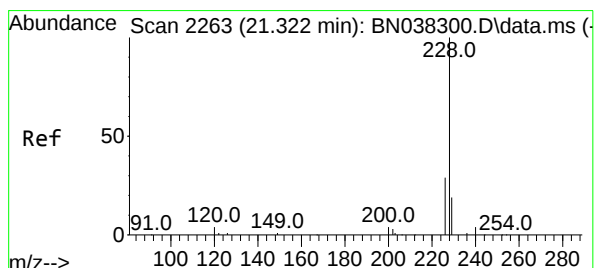
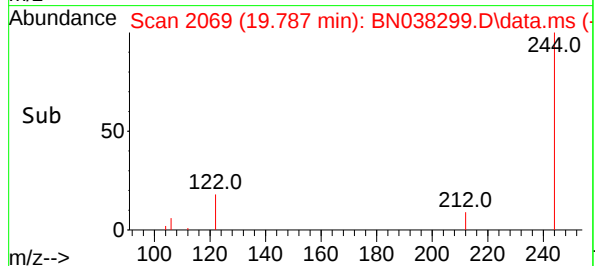
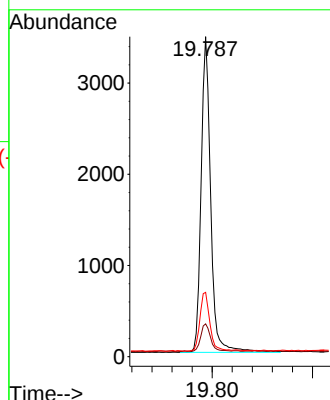
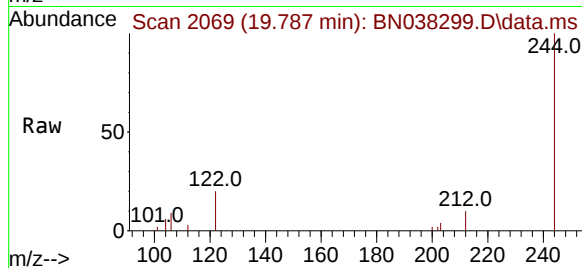




#31
Terphenyl-d14
Concen: 0.205 ng
RT: 19.787 min Scan# 2069
Delta R.T. -0.005 min
Lab File: BN038299.D
Acq: 10 Dec 2025 10:28

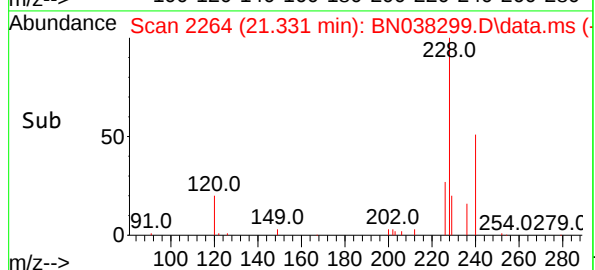
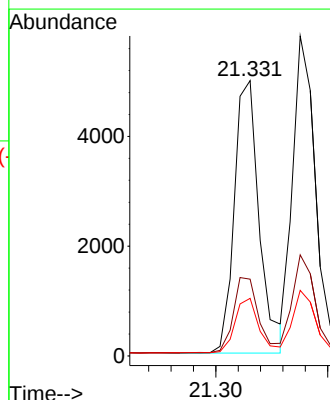
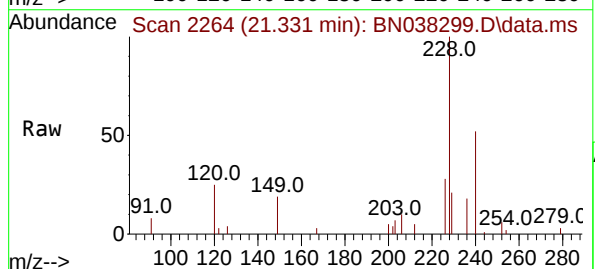
Instrument :
BNA_N
ClientSampleId :
SSTDICC0.2

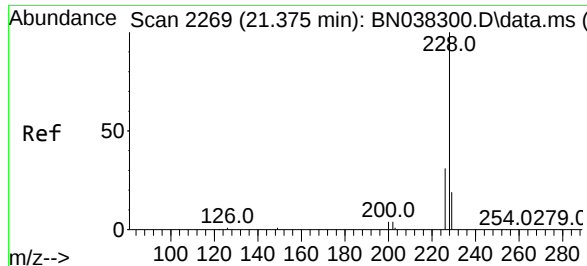
Tgt Ion	Ratio	Lower	Upper
244	100		
212	10.3	7.9	11.9
122	20.1	15.0	22.6



#32
Benzo(a)anthracene
Concen: 0.199 ng
RT: 21.331 min Scan# 2264
Delta R.T. 0.000 min
Lab File: BN038299.D
Acq: 10 Dec 2025 10:28

Tgt Ion	Ratio	Lower	Upper
228	100		
226	27.9	23.3	34.9
229	20.9	15.7	23.5





#33

Chrysene

Concen: 0.201 ng

RT: 21.375 min Scan# 21

Delta R.T. 0.000 min

Lab File: BN038299.D

Acq: 10 Dec 2025 10:28

Instrument :

BNA_N

ClientSampleId :

SSTDICC0.2

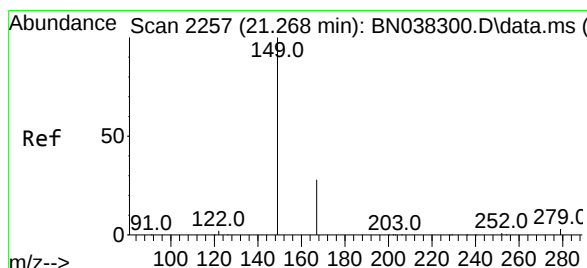
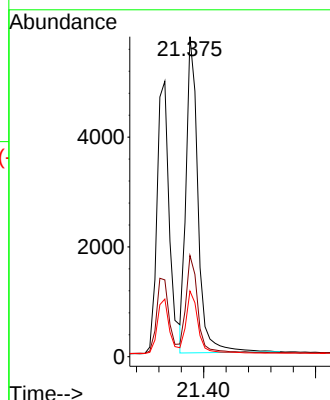
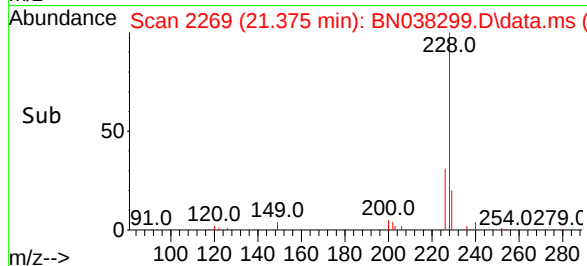
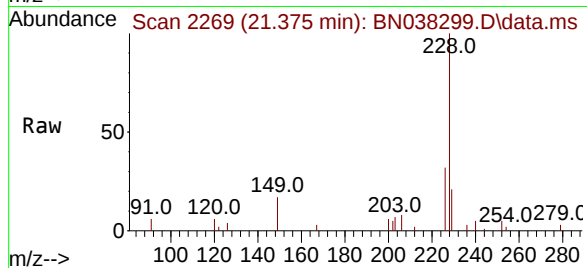
Tgt Ion:228 Resp: 8559

Ion Ratio Lower Upper

228 100

226 31.6 25.0 37.4

229 20.5 15.5 23.3



#34

Bis(2-ethylhexyl)phthalate

Concen: 0.236 ng

RT: 21.268 min Scan# 2257

Delta R.T. 0.000 min

Lab File: BN038299.D

Acq: 10 Dec 2025 10:28

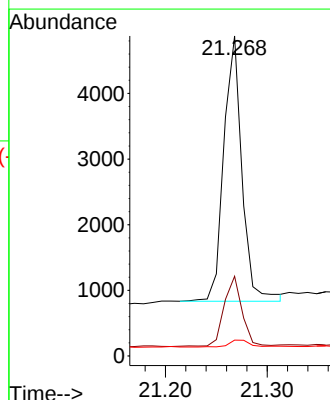
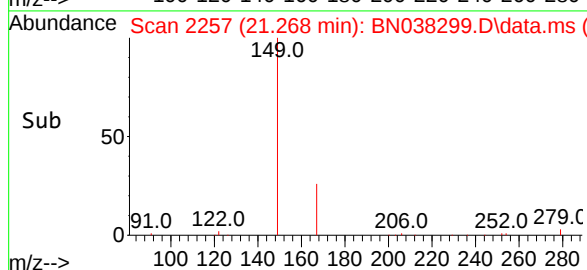
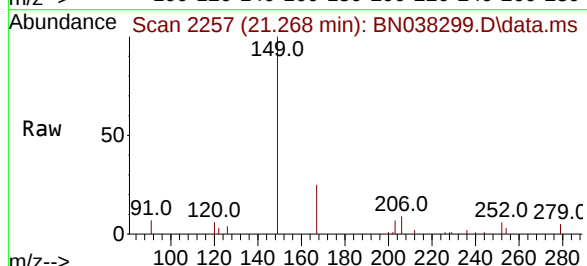
Tgt Ion:149 Resp: 5010

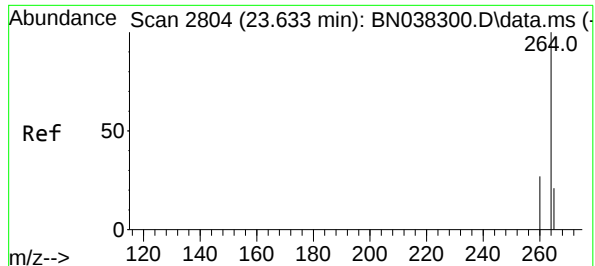
Ion Ratio Lower Upper

149 100

167 25.8 21.4 32.0

279 3.4 2.4 3.6

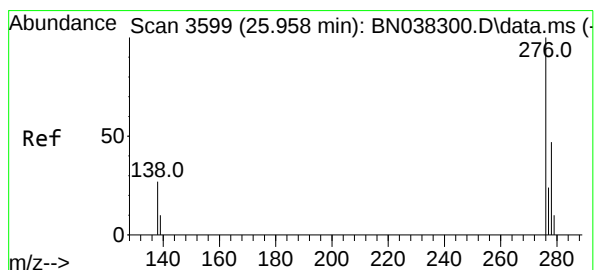
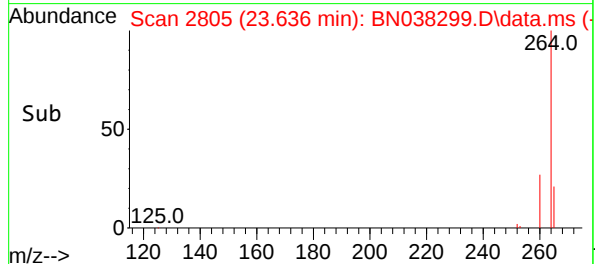
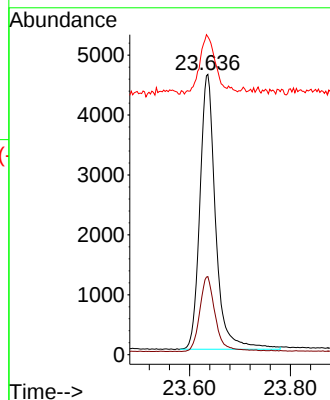
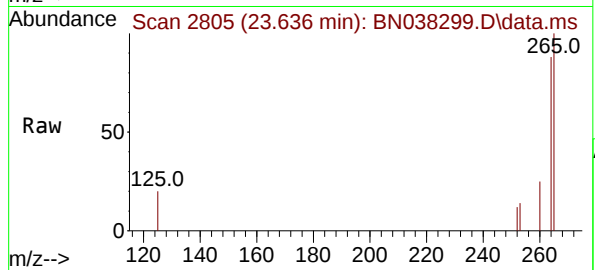




#35
Perylene-d12
Concen: 0.400 ng
RT: 23.636 min Scan# 21
Delta R.T. 0.003 min
Lab File: BN038299.D
Acq: 10 Dec 2025 10:28

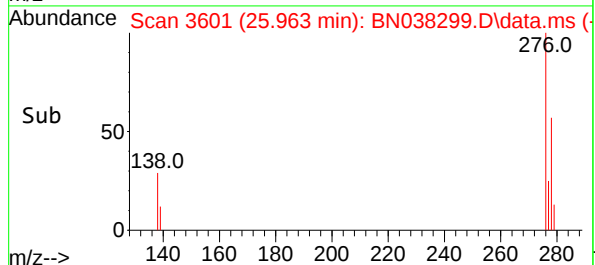
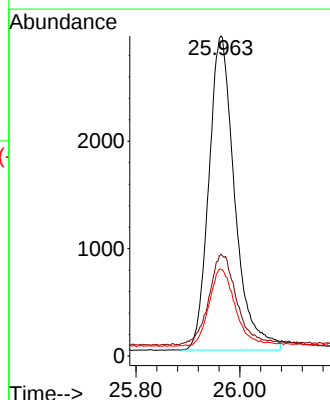
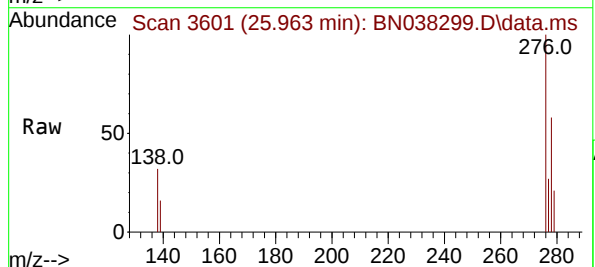
Instrument :
BNA_N
ClientSampleId :
SSTDICC0.2

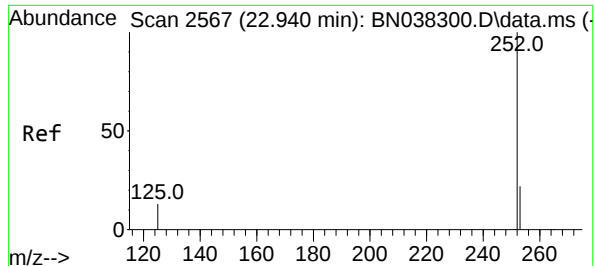
Tgt Ion:264 Resp: 9929
Ion Ratio Lower Upper
264 100
260 27.8 22.2 33.2
265 113.4 80.2 120.2



#36
Indeno(1,2,3-cd)pyrene
Concen: 0.192 ng
RT: 25.963 min Scan# 3601
Delta R.T. 0.000 min
Lab File: BN038299.D
Acq: 10 Dec 2025 10:28

Tgt Ion:276 Resp: 10127
Ion Ratio Lower Upper
276 100
138 30.8 23.6 35.4
277 24.3 19.7 29.5





#37

Benzo(b)fluoranthene

Concen: 0.199 ng

RT: 22.943 min Scan# 2567

Delta R.T. -0.003 min

Lab File: BN038299.D

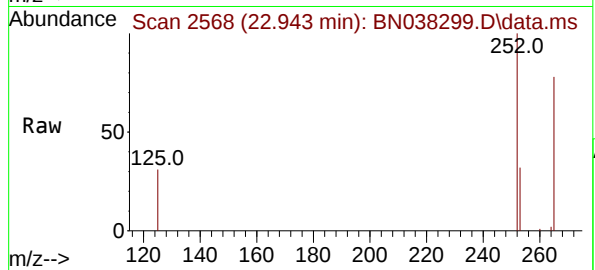
Acq: 10 Dec 2025 10:28

Instrument :

BNA_N

ClientSampleId :

SSTDICC0.2



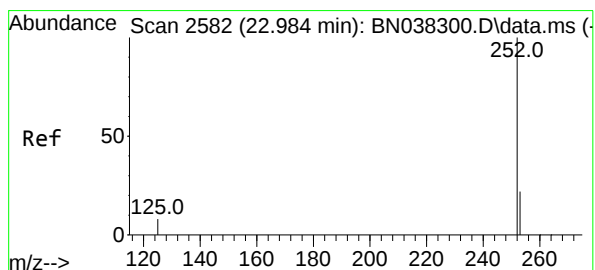
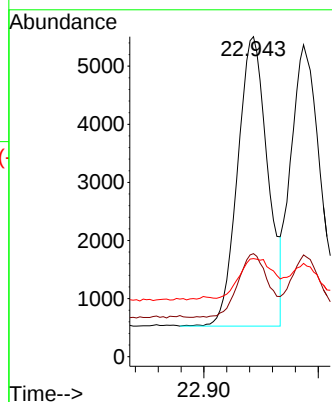
Tgt Ion:252 Resp: 9091

Ion Ratio Lower Upper

252 100

253 32.2 21.1 31.7#

125 30.6 16.4 24.6#



#38

Benzo(k)fluoranthene

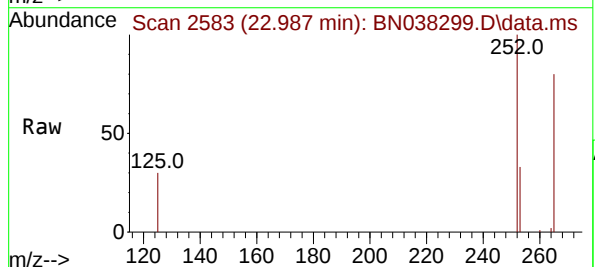
Concen: 0.196 ng

RT: 22.987 min Scan# 2583

Delta R.T. -0.003 min

Lab File: BN038299.D

Acq: 10 Dec 2025 10:28



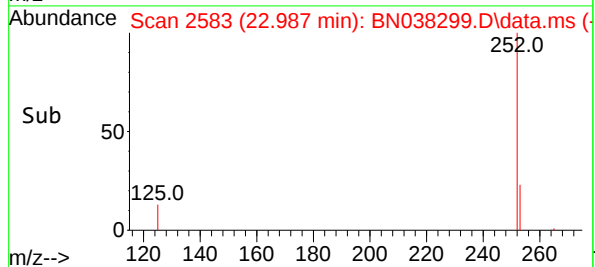
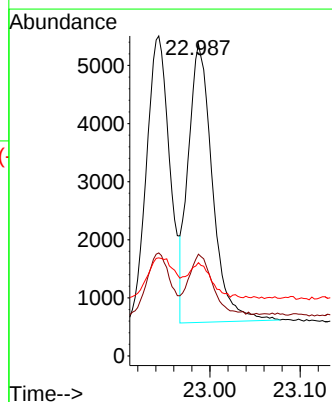
Tgt Ion:252 Resp: 8902

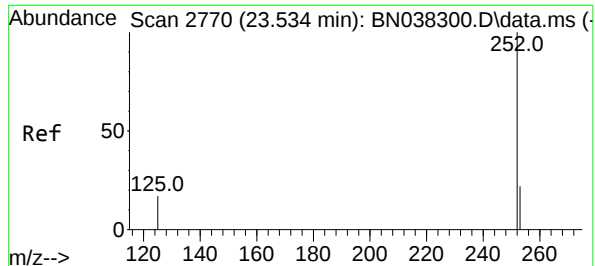
Ion Ratio Lower Upper

252 100

253 32.6 21.4 32.0#

125 29.9 16.2 24.2#





#39

Benzo(a)pyrene

Concen: 0.194 ng

RT: 23.534 min Scan# 21

Delta R.T. 0.000 min

Lab File: BN038299.D

Acq: 10 Dec 2025 10:28

Instrument :

BNA_N

ClientSampleId :

SSTDICC0.2

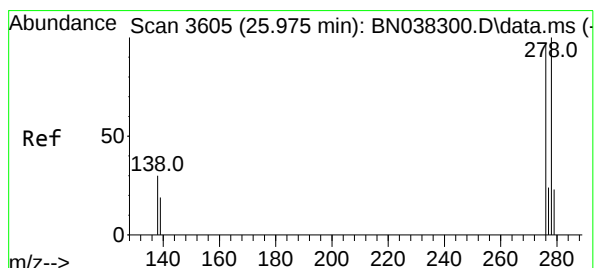
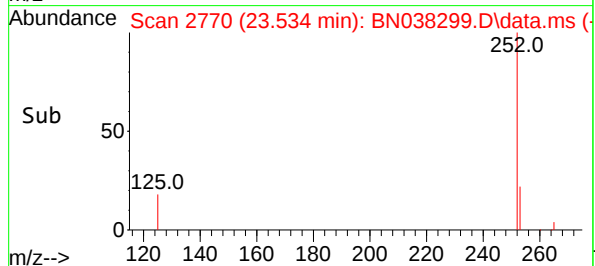
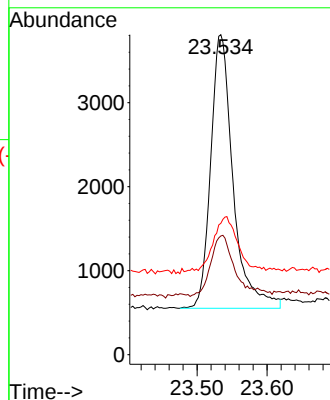
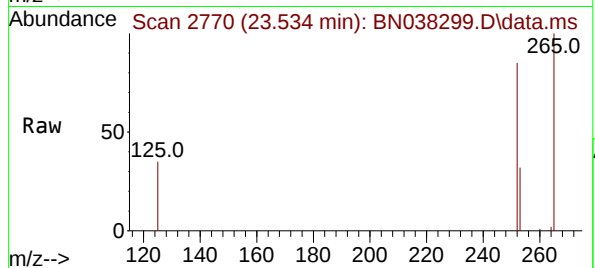
Tgt Ion:252 Resp: 7243

Ion Ratio Lower Upper

252 100

253 37.1 23.3 34.9#

125 41.1 22.4 33.6#



#40

Dibenzo(a,h)anthracene

Concen: 0.186 ng

RT: 25.981 min Scan# 3607

Delta R.T. 0.000 min

Lab File: BN038299.D

Acq: 10 Dec 2025 10:28

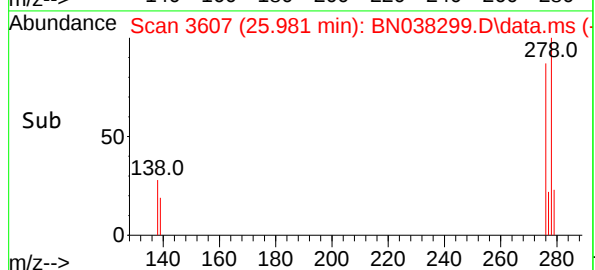
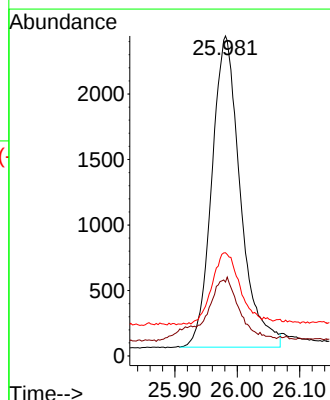
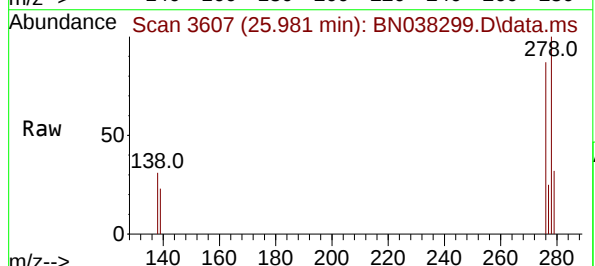
Tgt Ion:278 Resp: 7551

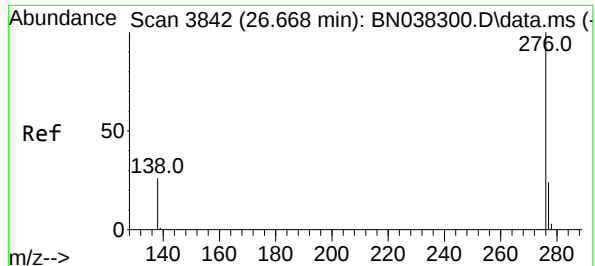
Ion Ratio Lower Upper

278 100

139 23.1 17.8 26.8

279 32.3 21.3 31.9#





#41

Benzo(g,h,i)perylene

Concen: 0.199 ng

RT: 26.668 min Scan# 3842

Delta R.T. -0.009 min

Lab File: BN038299.D

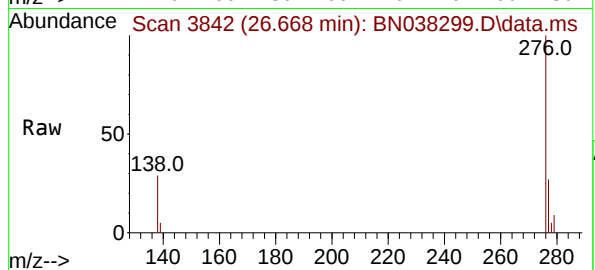
Acq: 10 Dec 2025 10:28

Instrument :

BNA_N

ClientSampleId :

SSTDICC0.2



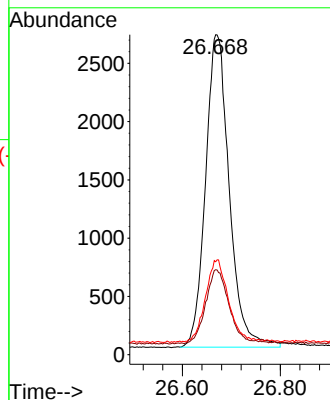
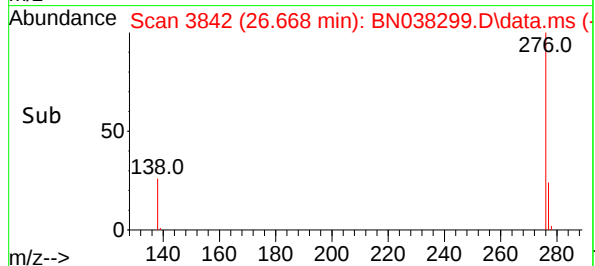
Tgt Ion:276 Resp: 9018

Ion Ratio Lower Upper

276 100

277 26.6 20.0 30.0

138 29.1 21.8 32.6



Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN121025\
 Data File : BN038300.D
 Acq On : 10 Dec 2025 11:05
 Operator : RC/JU
 Sample : SSTDICCC0.4
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 SSTDICCC0.4

Quant Time: Dec 10 13:59:39 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN121025.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Dec 10 13:56:50 2025
 Response via : Initial Calibration

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

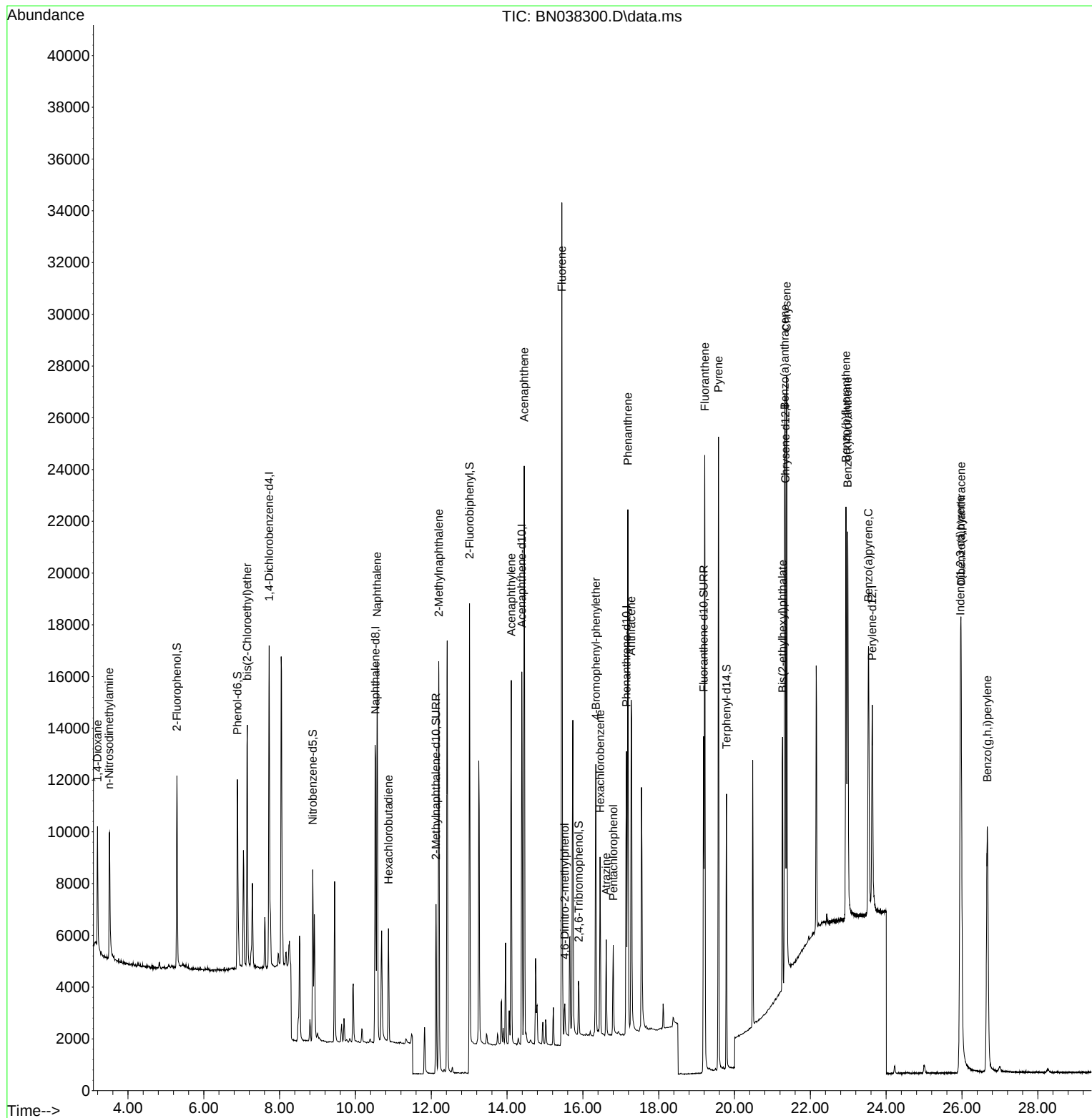
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.724	152	6216	0.400	ng	0.00
7) Naphthalene-d8	10.530	136	16402	0.400	ng	0.00
13) Acenaphthene-d10	14.388	164	8187	0.400	ng	-0.01
19) Phenanthrene-d10	17.149	188	14825	0.400	ng	0.00
29) Chrysene-d12	21.340	240	11516	0.400	ng	0.00
35) Perylene-d12	23.633	264	11519	0.400	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.290	112	6141	0.397	ng	0.00
5) Phenol-d6	6.887	99	7155	0.389	ng	0.00
8) Nitrobenzene-d5	8.875	82	5397	0.390	ng	0.00
11) 2-Methylnaphthalene-d10	12.126	152	9006	0.389	ng	0.00
14) 2,4,6-Tribromophenol	15.895	330	1371	0.377	ng	0.00
15) 2-Fluorobiphenyl	13.008	172	15778	0.400	ng	0.00
27) Fluoranthene-d10	19.183	212	14593	0.398	ng	0.00
31) Terphenyl-d14	19.787	244	10141	0.395	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	3.196	88	2892	0.406	ng	100
3) n-Nitrosodimethylamine	3.507	42	3533	0.395	ng	100
6) bis(2-Chloroethyl)ether	7.147	93	7250	0.403	ng	100
9) Naphthalene	10.573	128	19154	0.395	ng	100
10) Hexachlorobutadiene	10.872	225	3444	0.400	ng	# 100
12) 2-Methylnaphthalene	12.197	142	11982	0.389	ng	100
16) Acenaphthylene	14.110	152	15581	0.388	ng	100
17) Acenaphthene	14.452	154	10983	0.392	ng	100
18) Fluorene	15.446	166	13979	0.388	ng	100
20) 4,6-Dinitro-2-methylph...	15.523	198	840	0.344	ng	100
21) 4-Bromophenyl-phenylether	16.342	248	4253	0.387	ng	100
22) Hexachlorobenzene	16.453	284	5190	0.393	ng	100
23) Atrazine	16.615	200	2824	0.376	ng	100
24) Pentachlorophenol	16.801	266	1789	0.347	ng	100
25) Phenanthrene	17.186	178	20202	0.392	ng	100
26) Anthracene	17.273	178	16986	0.382	ng	100
28) Fluoranthene	19.215	202	21635	0.394	ng	100
30) Pyrene	19.578	202	22115	0.390	ng	100
32) Benzo(a)anthracene	21.322	228	17031	0.383	ng	100
33) Chrysene	21.375	228	19820	0.405	ng	100
34) Bis(2-ethylhexyl)phtha...	21.268	149	9726	0.399	ng	100
36) Indeno(1,2,3-cd)pyrene	25.958	276	24439	0.400	ng	100
37) Benzo(b)fluoranthene	22.940	252	20540	0.388	ng	100
38) Benzo(k)fluoranthene	22.984	252	20691	0.392	ng	100
39) Benzo(a)pyrene	23.534	252	16923	0.391	ng	100
40) Dibenzo(a,h)anthracene	25.975	278	18646	0.396	ng	100
41) Benzo(g,h,i)perylene	26.668	276	20868	0.396	ng	100

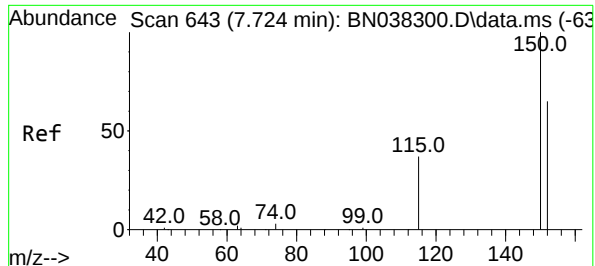
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN121025\
Data File : BN038300.D
Acq On : 10 Dec 2025 11:05
Operator : RC/JU
Sample : SSTDICCC0.4
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
SSTDICCC0.4

Quant Time: Dec 10 13:59:39 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN121025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Dec 10 13:56:50 2025
Response via : Initial Calibration

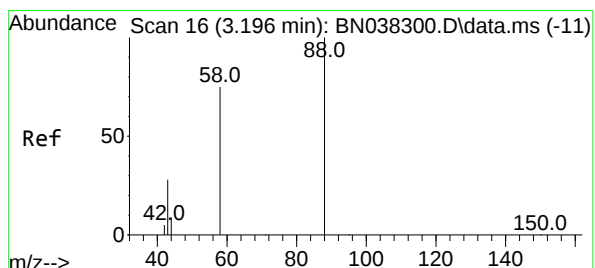
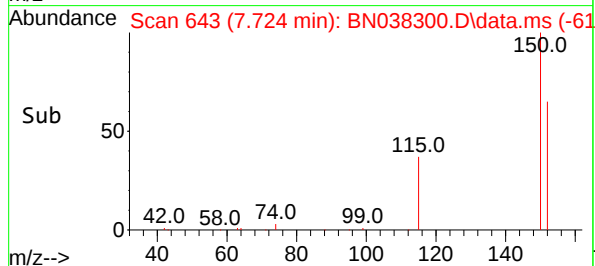
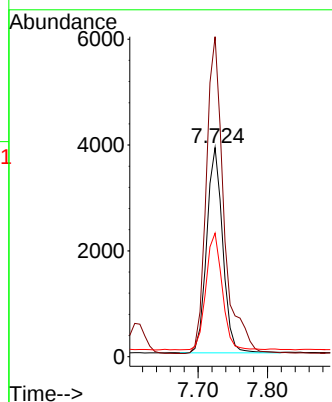
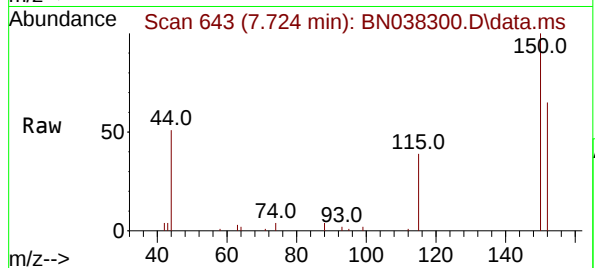




#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.724 min Scan# 64
Delta R.T. 0.000 min
Lab File: BN038300.D
Acq: 10 Dec 2025 11:05

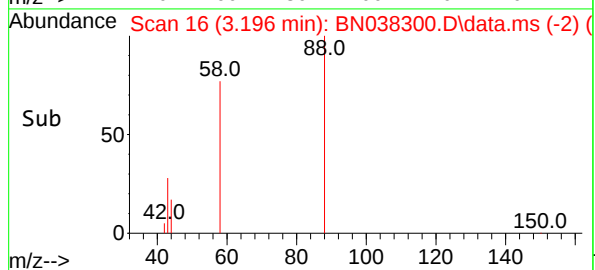
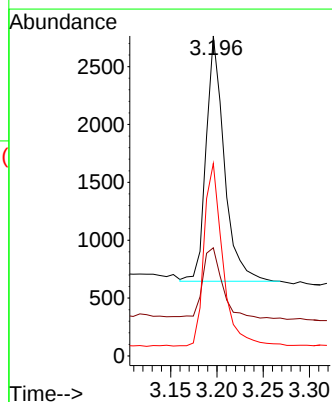
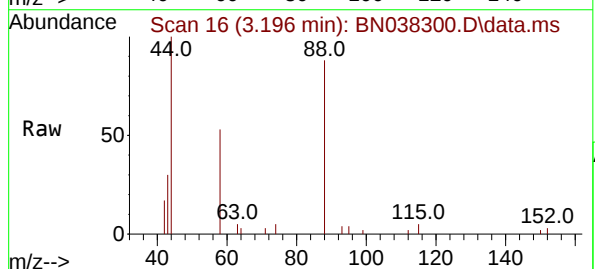
Instrument :
BNA_N
ClientSampleId :
SSTDICCC0.4

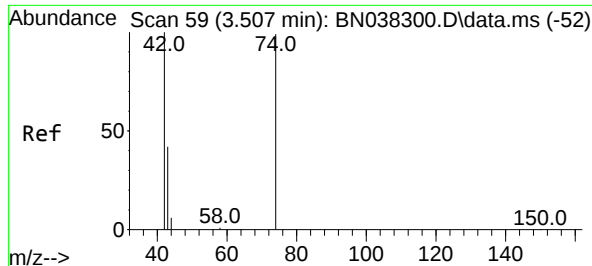
Tgt Ion:152 Resp: 6216
Ion Ratio Lower Upper
152 100
150 153.0 122.4 183.6
115 59.1 47.3 70.9



#2
1,4-Dioxane
Concen: 0.406 ng
RT: 3.196 min Scan# 16
Delta R.T. 0.000 min
Lab File: BN038300.D
Acq: 10 Dec 2025 11:05

Tgt Ion: 88 Resp: 2892
Ion Ratio Lower Upper
88 100
43 31.1 24.9 37.3
58 76.7 61.4 92.0

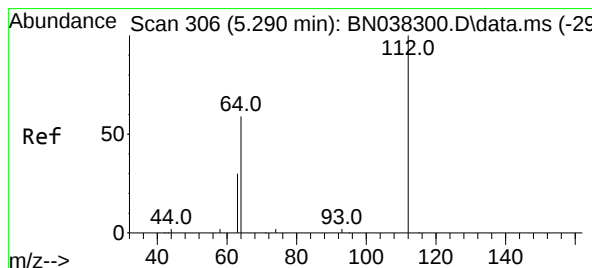
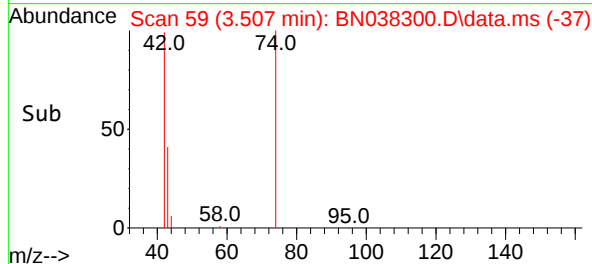
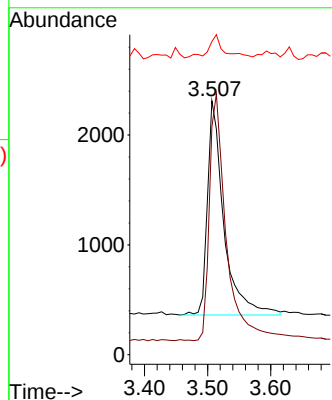
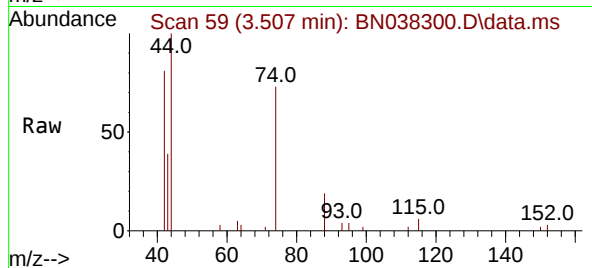




#3
n-Nitrosodimethylamine
Concen: 0.395 ng
RT: 3.507 min Scan# 59
Delta R.T. 0.007 min
Lab File: BN038300.D
Acq: 10 Dec 2025 11:05

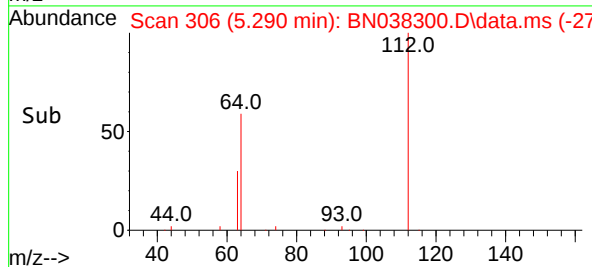
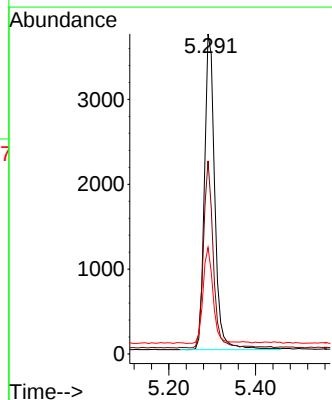
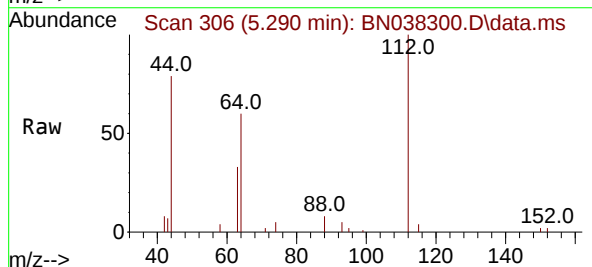
Instrument :
BNA_N
ClientSampleId :
SSTDICCC0.4

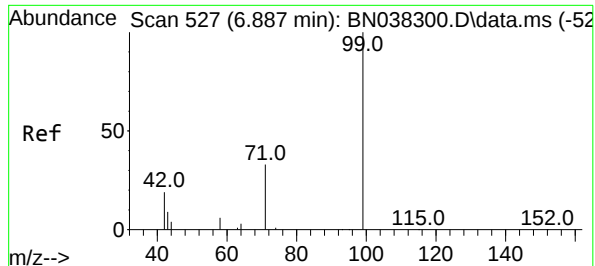
Tgt Ion: 42 Resp: 3533
Ion Ratio Lower Upper
42 100
74 119.3 95.3 142.9
44 10.0 7.9 11.9



#4
2-Fluorophenol
Concen: 0.397 ng
RT: 5.290 min Scan# 306
Delta R.T. 0.000 min
Lab File: BN038300.D
Acq: 10 Dec 2025 11:05

Tgt Ion: 112 Resp: 6141
Ion Ratio Lower Upper
112 100
64 55.5 44.4 66.6
63 29.2 23.4 35.0

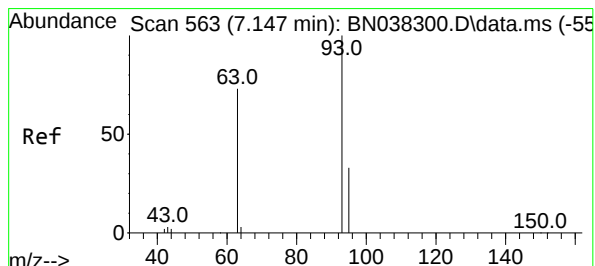
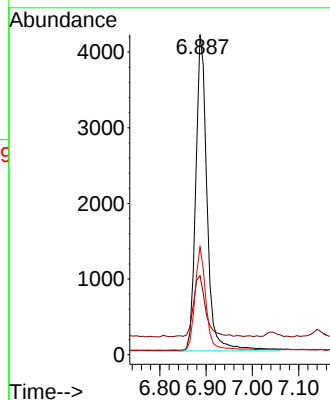
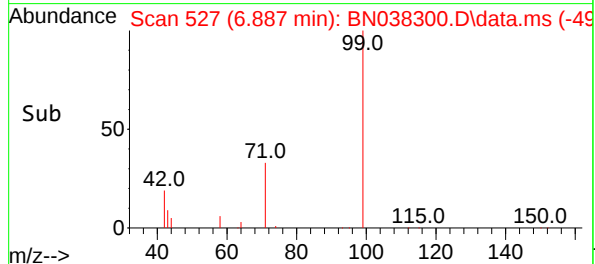
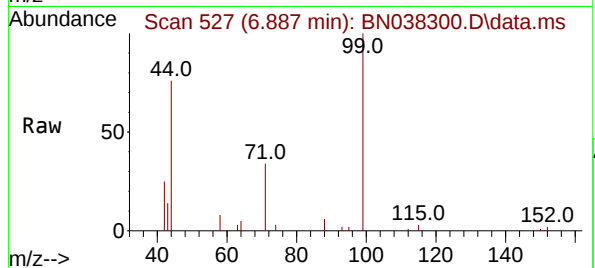




#5
Phenol-d6
Concen: 0.389 ng
RT: 6.887 min Scan# 51
Delta R.T. 0.000 min
Lab File: BN038300.D
Acq: 10 Dec 2025 11:05

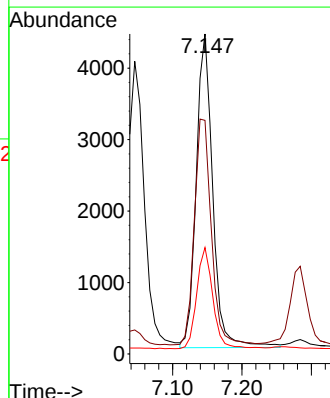
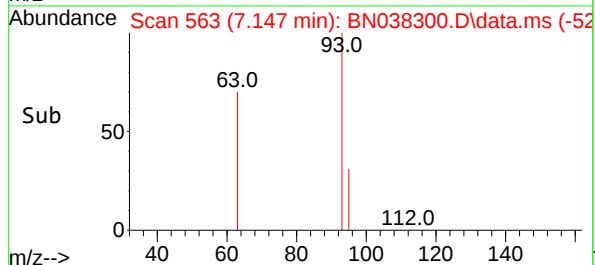
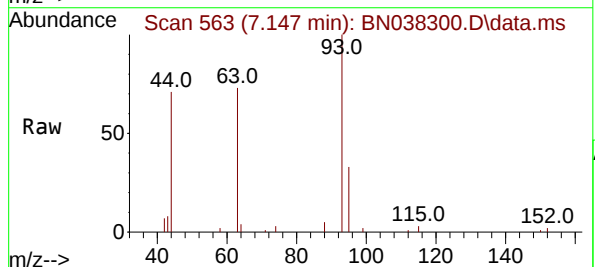
Instrument :
BNA_N
ClientSampleId :
SSTDICCC0.4

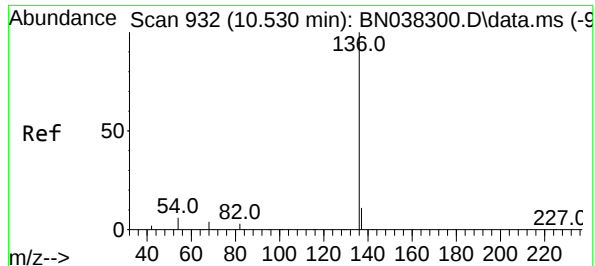
Tgt Ion: 99 Resp: 7155
Ion Ratio Lower Upper
99 100
42 20.6 16.5 24.7
71 31.1 24.9 37.3



#6
bis(2-Chloroethyl)ether
Concen: 0.403 ng
RT: 7.147 min Scan# 563
Delta R.T. 0.000 min
Lab File: BN038300.D
Acq: 10 Dec 2025 11:05

Tgt Ion: 93 Resp: 7250
Ion Ratio Lower Upper
93 100
63 74.0 59.2 88.8
95 31.5 25.2 37.8

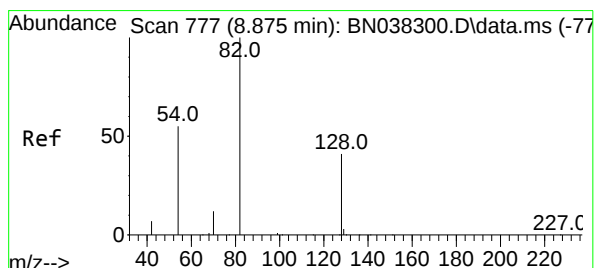
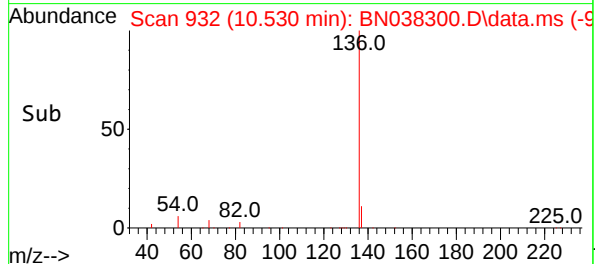
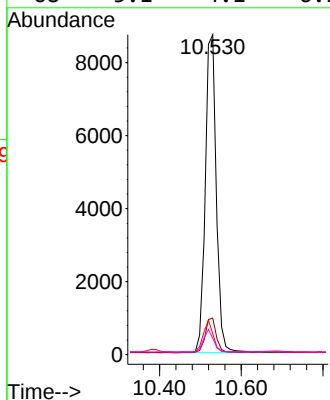
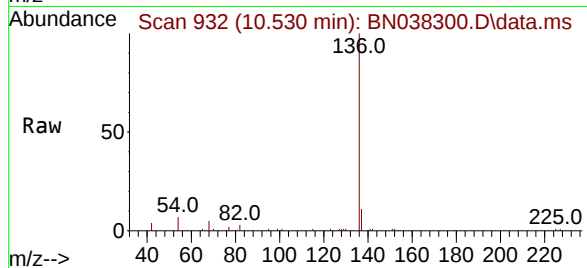




#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.530 min Scan# 91
Delta R.T. 0.000 min
Lab File: BN038300.D
Acq: 10 Dec 2025 11:05

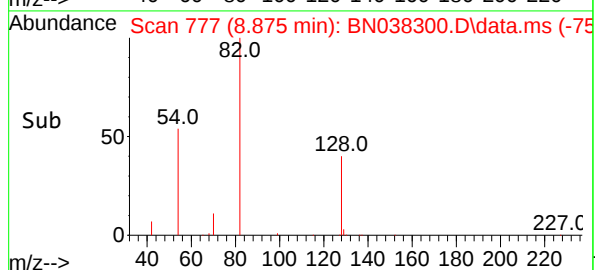
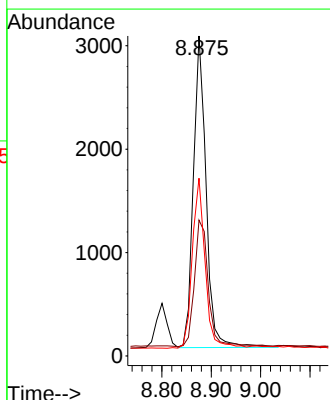
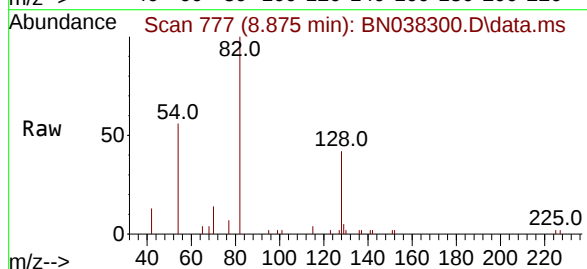
Instrument :
BNA_N
ClientSampleId :
SSTDICCC0.4

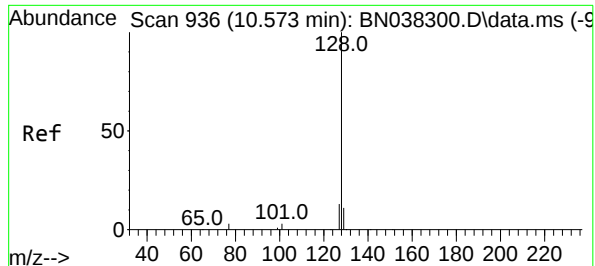
Tgt Ion	136	Resp	16402
Ion Ratio	Lower	Upper	
136	100		
137	11.4	9.1	13.7
54	6.5	5.2	7.8
68	5.1	4.1	6.1



#8
Nitrobenzene-d5
Concen: 0.390 ng
RT: 8.875 min Scan# 777
Delta R.T. 0.000 min
Lab File: BN038300.D
Acq: 10 Dec 2025 11:05

Tgt Ion	82	Resp	5397
Ion Ratio	Lower	Upper	
82	100		
128	42.5	34.0	51.0
54	55.5	44.4	66.6

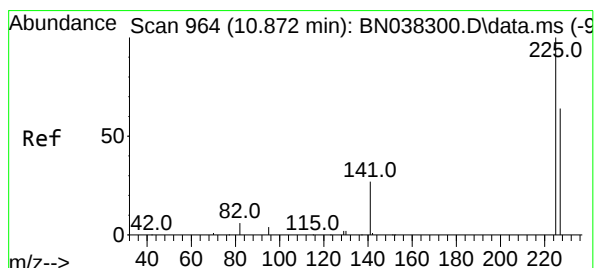
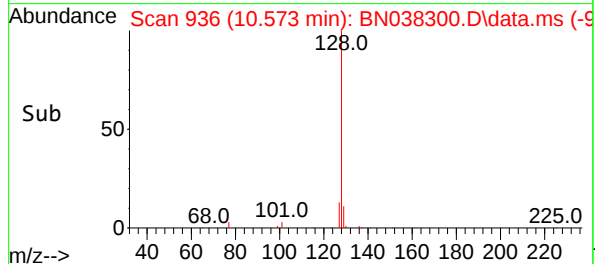
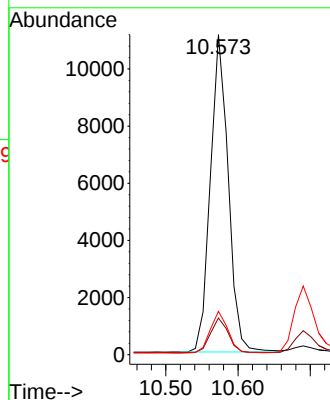
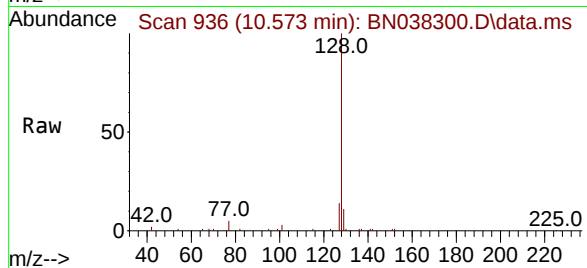




#9
Naphthalene
Concen: 0.395 ng
RT: 10.573 min Scan# 91
Delta R.T. 0.000 min
Lab File: BN038300.D
Acq: 10 Dec 2025 11:05

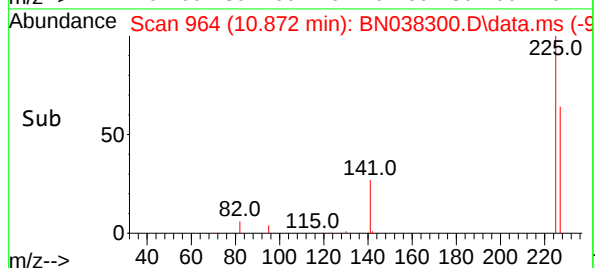
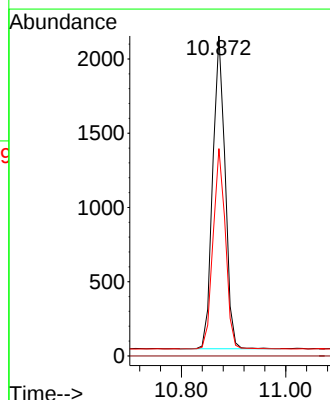
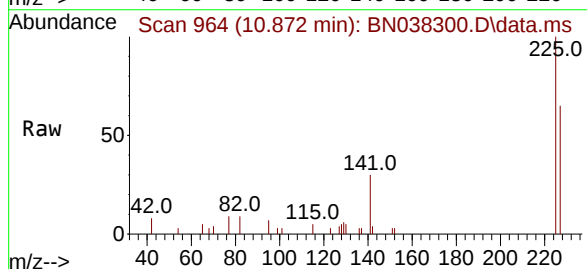
Instrument :
BNA_N
ClientSampleId :
SSTDICCC0.4

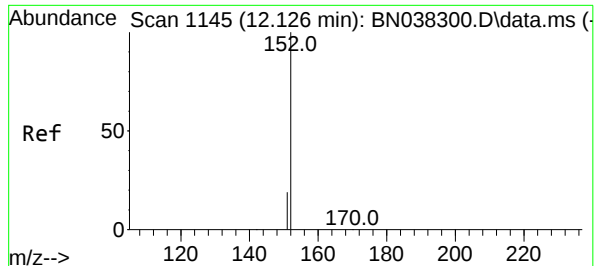
Tgt Ion:128 Resp: 19154
Ion Ratio Lower Upper
128 100
129 11.4 9.1 13.7
127 13.6 10.9 16.3



#10
Hexachlorobutadiene
Concen: 0.400 ng
RT: 10.872 min Scan# 964
Delta R.T. 0.000 min
Lab File: BN038300.D
Acq: 10 Dec 2025 11:05

Tgt Ion:225 Resp: 3444
Ion Ratio Lower Upper
225 100
223 0.0 0.0 0.0
227 64.0 51.2 76.8

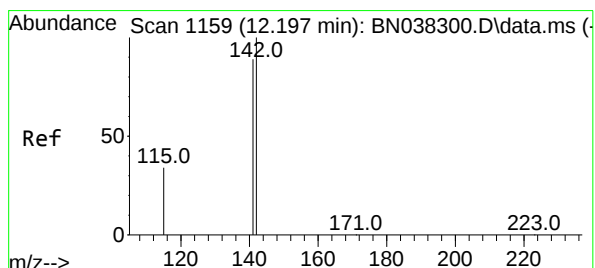
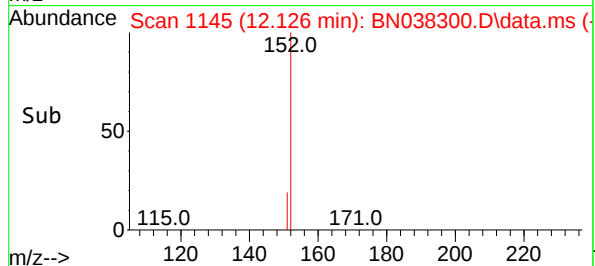
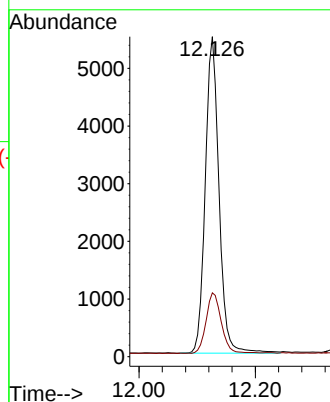
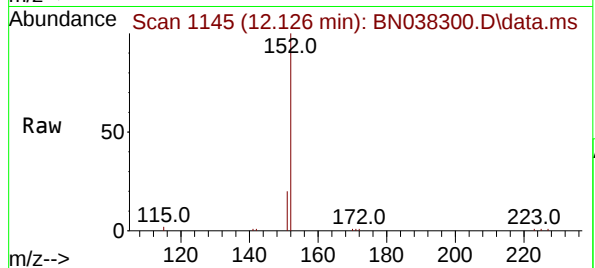




#11
2-Methylnaphthalene-d10
Concen: 0.389 ng
RT: 12.126 min Scan# 1145
Delta R.T. 0.000 min
Lab File: BN038300.D
Acq: 10 Dec 2025 11:05

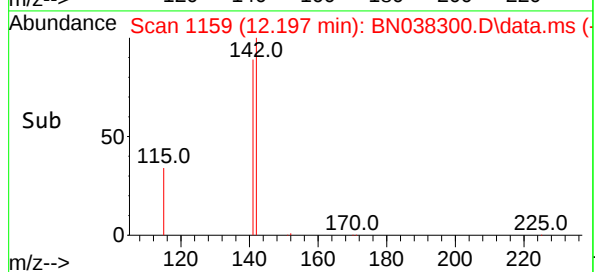
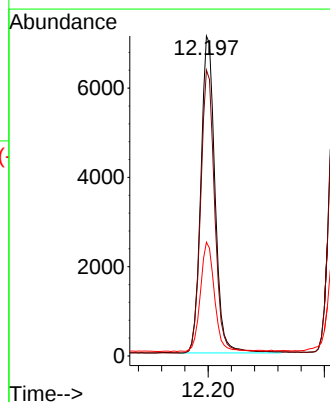
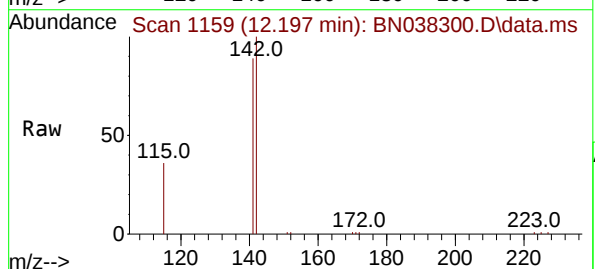
Instrument :
BNA_N
ClientSampleId :
SSTDICCC0.4

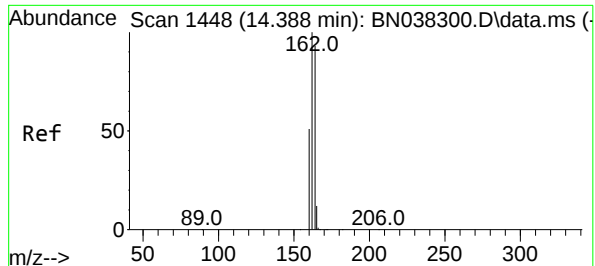
Tgt Ion:152 Resp: 9006
Ion Ratio Lower Upper
152 100
151 21.3 17.0 25.6



#12
2-Methylnaphthalene
Concen: 0.389 ng
RT: 12.197 min Scan# 1159
Delta R.T. -0.005 min
Lab File: BN038300.D
Acq: 10 Dec 2025 11:05

Tgt Ion:142 Resp: 11982
Ion Ratio Lower Upper
142 100
141 89.3 71.4 107.2
115 35.5 28.4 42.6

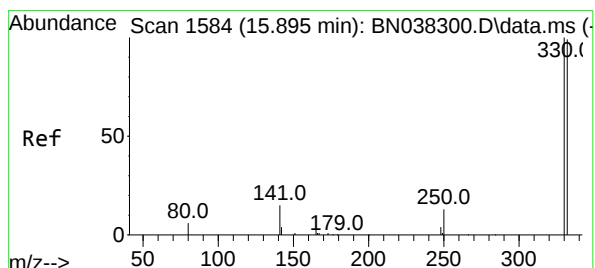
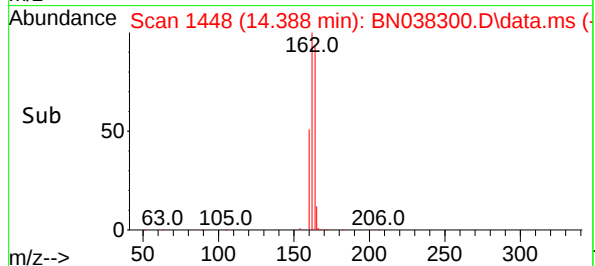
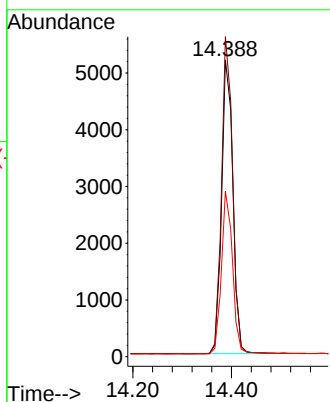
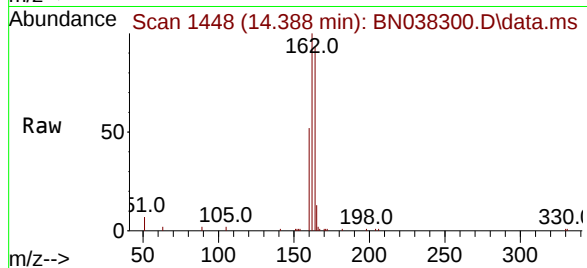




#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.388 min Scan# 1448
Delta R.T. -0.011 min
Lab File: BN038300.D
Acq: 10 Dec 2025 11:05

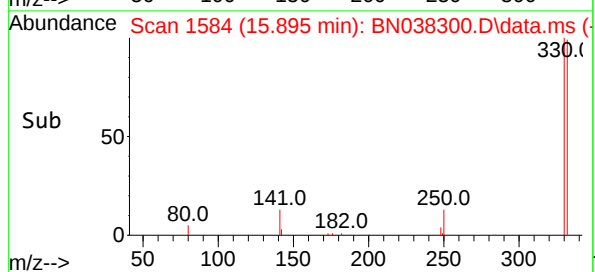
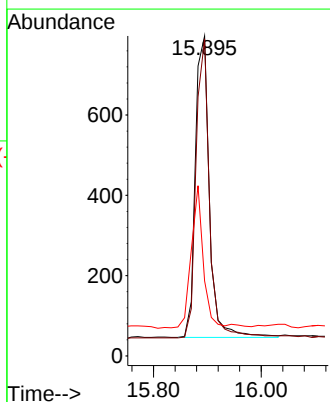
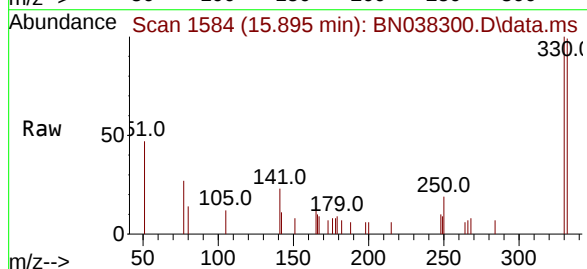
Instrument :
BNA_N
ClientSampleId :
SSTDICCC0.4

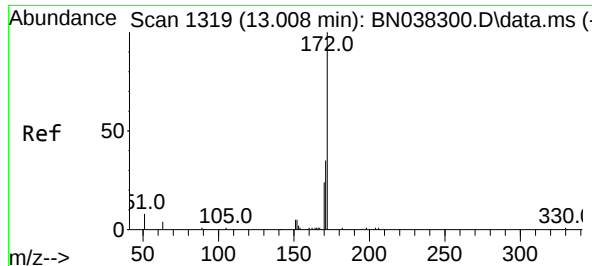
Tgt Ion:164 Resp: 8187
Ion Ratio Lower Upper
164 100
162 107.8 86.2 129.4
160 55.8 44.6 67.0



#14
2,4,6-Tribromophenol
Concen: 0.377 ng
RT: 15.895 min Scan# 1584
Delta R.T. 0.000 min
Lab File: BN038300.D
Acq: 10 Dec 2025 11:05

Tgt Ion:330 Resp: 1371
Ion Ratio Lower Upper
330 100
332 94.4 75.8 113.6
141 39.8 31.8 47.8

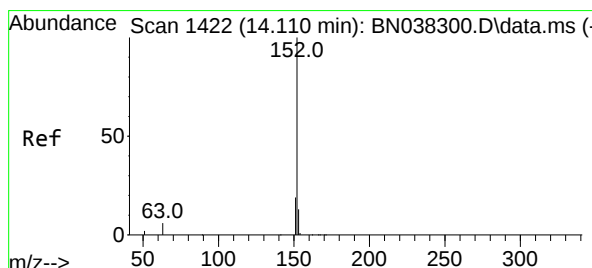
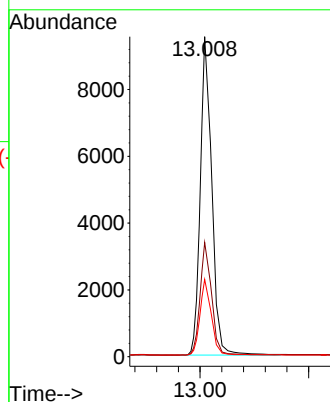
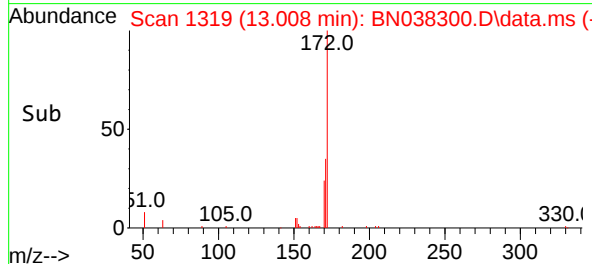
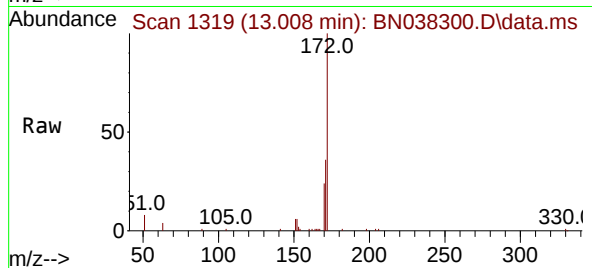




#15
2-Fluorobiphenyl
Concen: 0.400 ng
RT: 13.008 min Scan# 1319
Delta R.T. 0.000 min
Lab File: BN038300.D
Acq: 10 Dec 2025 11:05

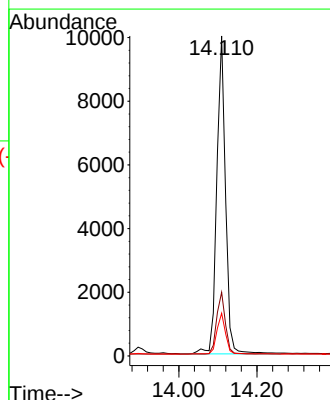
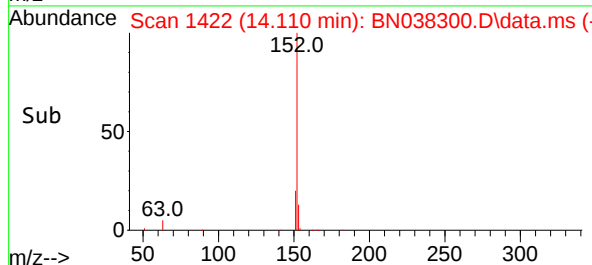
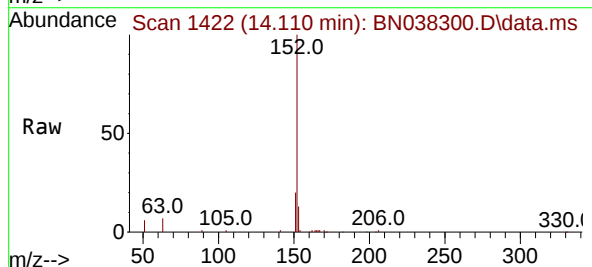
Instrument :
BNA_N
ClientSampleId :
SSTDICCC0.4

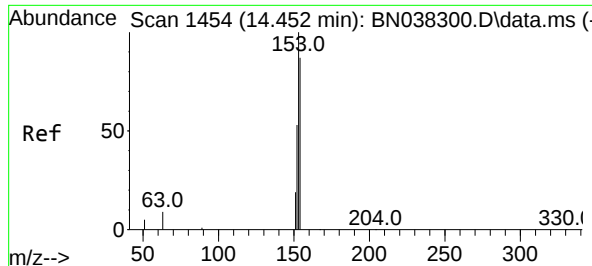
Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.7	28.6	42.8
170	24.1	19.3	28.9



#16
Acenaphthylene
Concen: 0.388 ng
RT: 14.110 min Scan# 1422
Delta R.T. 0.000 min
Lab File: BN038300.D
Acq: 10 Dec 2025 11:05

Tgt Ion	Ratio	Lower	Upper
152	100		
151	19.3	15.4	23.2
153	12.8	10.2	15.4

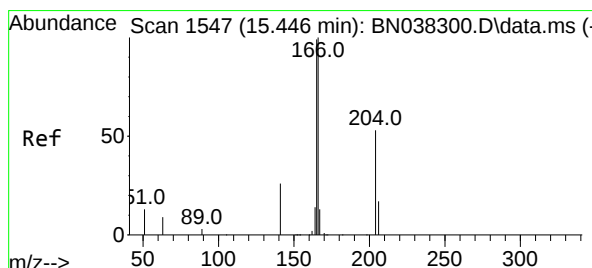
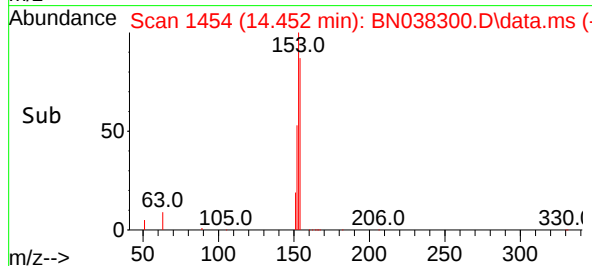
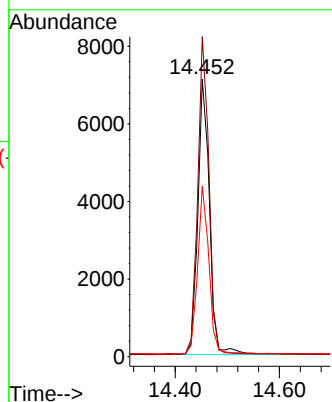
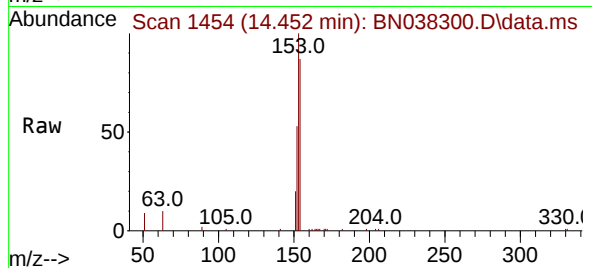




#17
Acenaphthene
Concen: 0.392 ng
RT: 14.452 min Scan# 1454
Delta R.T. -0.011 min
Lab File: BN038300.D
Acq: 10 Dec 2025 11:05

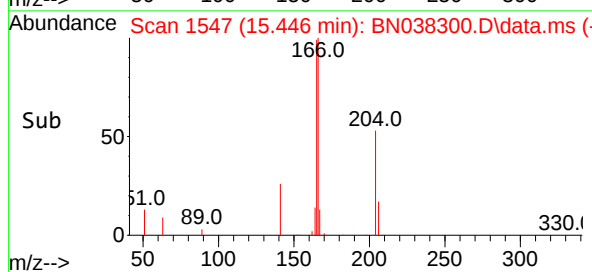
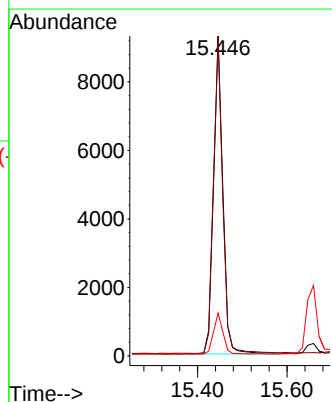
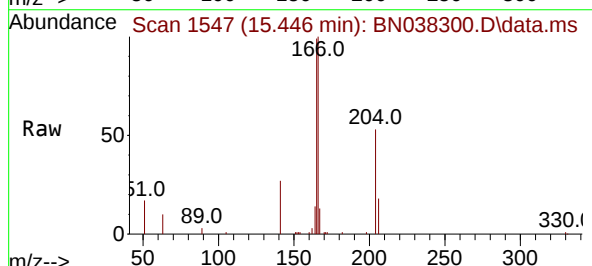
Instrument :
BNA_N
ClientSampleId :
SSTDICCC0.4

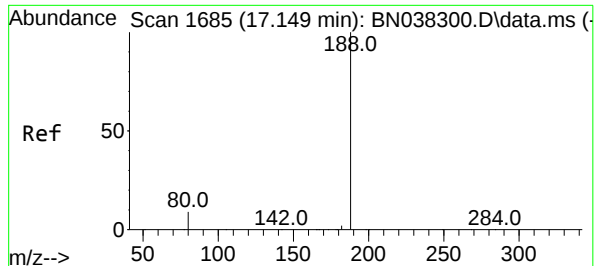
Tgt Ion	Resp	Lower	Upper
154	100		
153	112.3	89.8	134.8
152	59.4	47.5	71.3



#18
Fluorene
Concen: 0.388 ng
RT: 15.446 min Scan# 1547
Delta R.T. -0.000 min
Lab File: BN038300.D
Acq: 10 Dec 2025 11:05

Tgt Ion	Resp	Lower	Upper
166	100		
165	100.3	80.2	120.4
167	13.3	10.6	16.0





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 17.149 min Scan# 1685

Delta R.T. 0.000 min

Lab File: BN038300.D

Acq: 10 Dec 2025 11:05

Instrument :

BNA_N

ClientSampleId :

SSTDICCC0.4

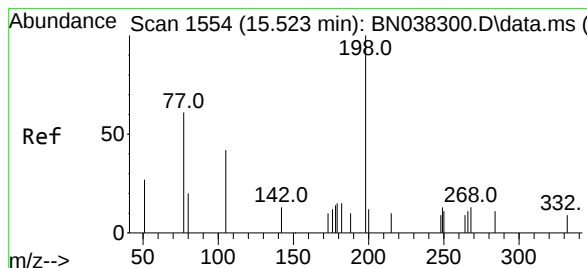
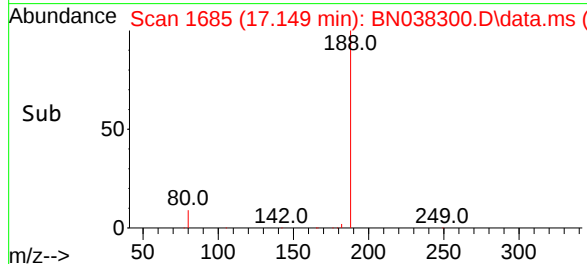
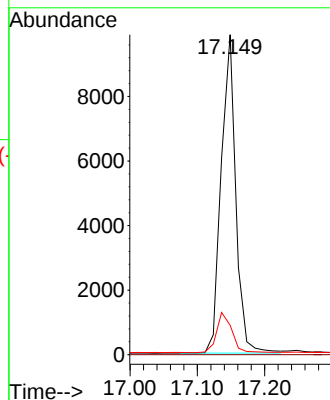
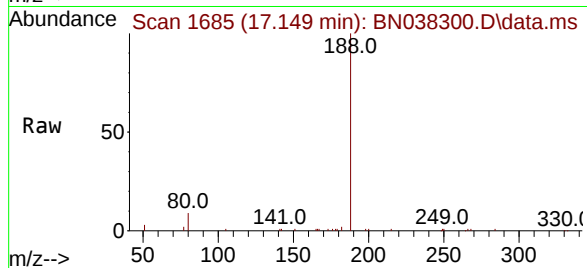
Tgt Ion:188 Resp: 14825

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

80 9.2 7.4 11.0



#20

4,6-Dinitro-2-methylphenol

Concen: 0.344 ng

RT: 15.523 min Scan# 1554

Delta R.T. 0.001 min

Lab File: BN038300.D

Acq: 10 Dec 2025 11:05

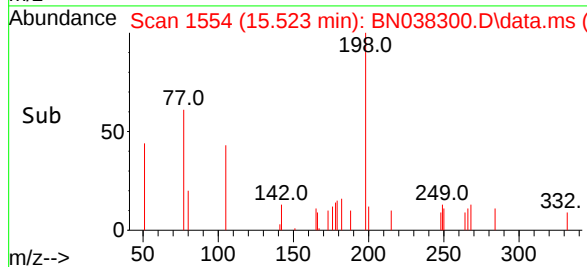
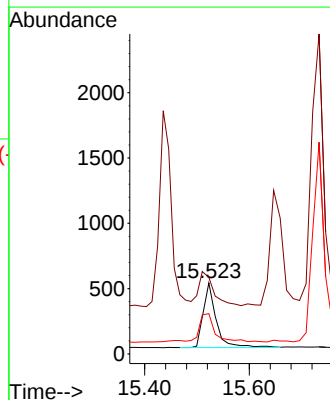
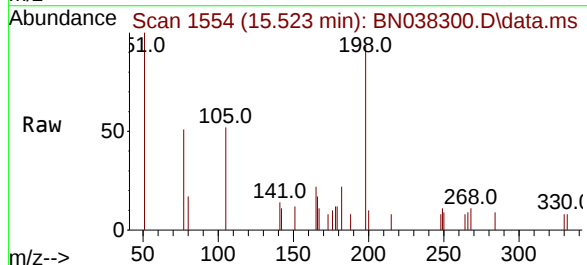
Tgt Ion:198 Resp: 840

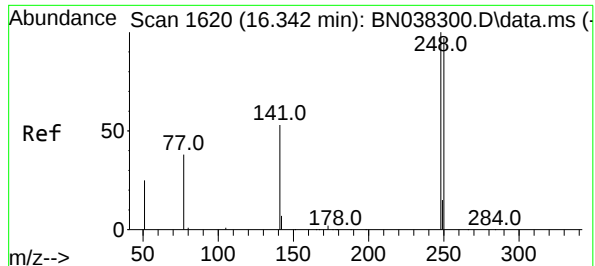
Ion Ratio Lower Upper

198 100

51 107.9 86.3 129.5

105 56.6 45.3 67.9





#21

4-Bromophenyl-phenylether

Concen: 0.387 ng

RT: 16.342 min Scan# 1620

Delta R.T. -0.000 min

Lab File: BN038300.D

Acq: 10 Dec 2025 11:05

Instrument :

BNA_N

ClientSampleId :

SSTDICCC0.4

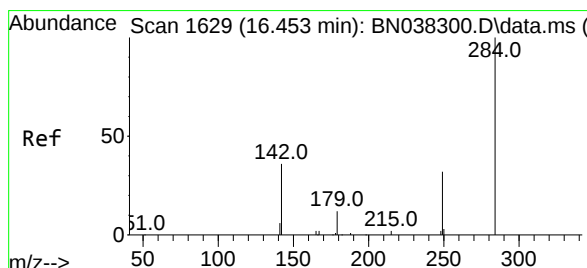
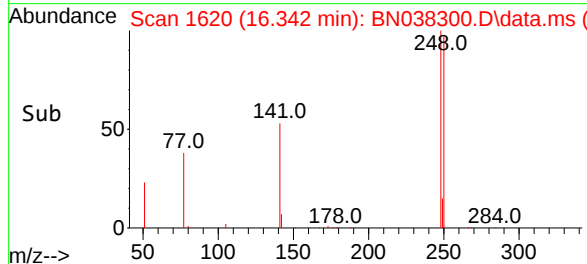
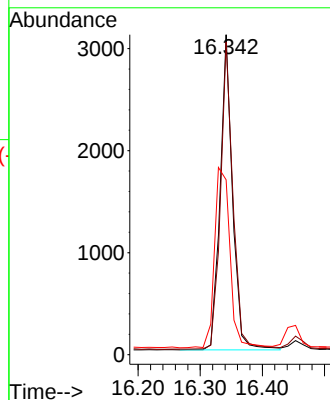
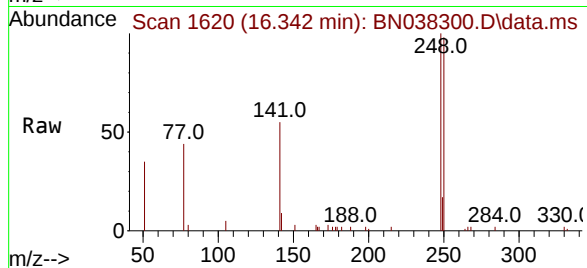
Tgt Ion:248 Resp: 4253

Ion Ratio Lower Upper

248 100

250 97.7 78.2 117.2

141 54.6 43.7 65.5



#22

Hexachlorobenzene

Concen: 0.393 ng

RT: 16.453 min Scan# 1629

Delta R.T. -0.012 min

Lab File: BN038300.D

Acq: 10 Dec 2025 11:05

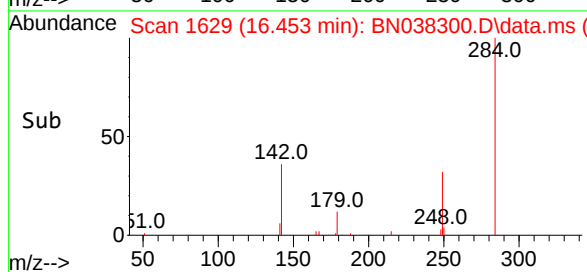
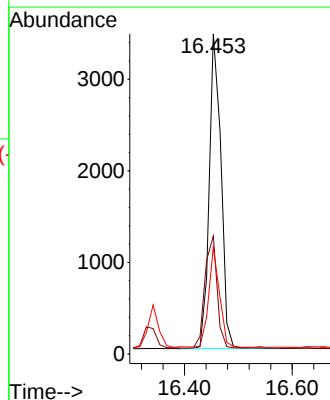
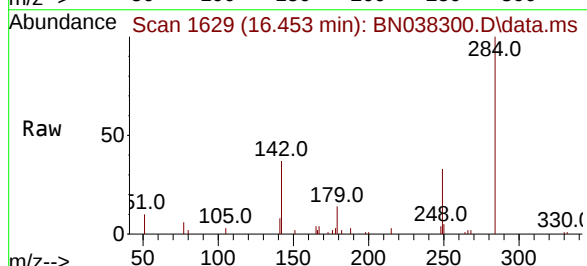
Tgt Ion:284 Resp: 5190

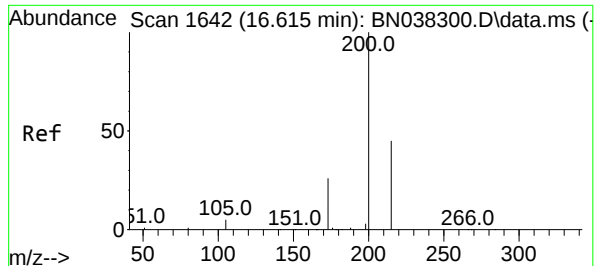
Ion Ratio Lower Upper

284 100

142 36.9 29.5 44.3

249 29.6 23.7 35.5

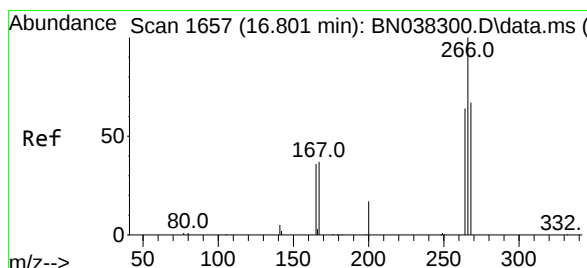
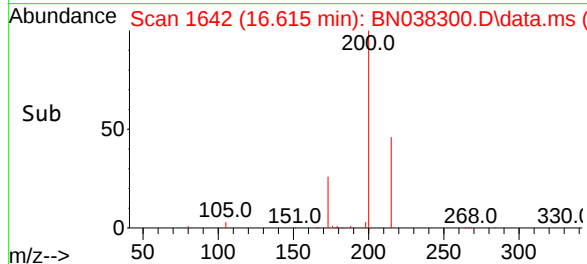
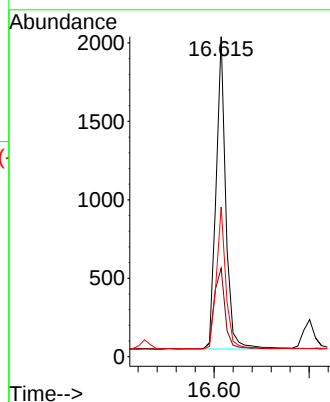
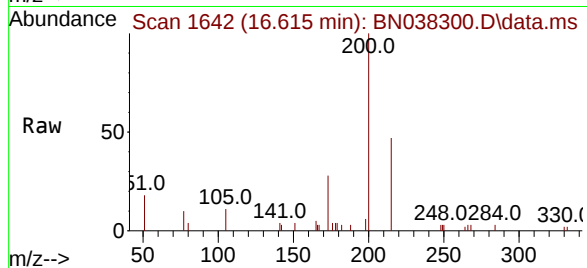




#23
Atrazine
Concen: 0.376 ng
RT: 16.615 min Scan# 1642
Delta R.T. 0.000 min
Lab File: BN038300.D
Acq: 10 Dec 2025 11:05

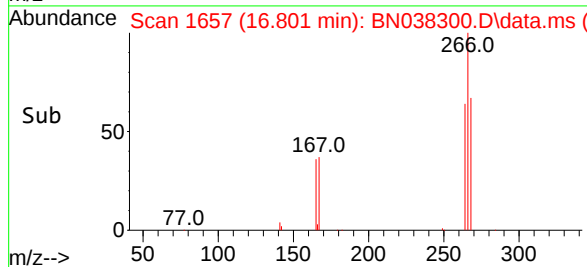
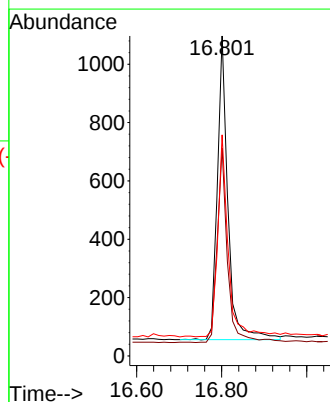
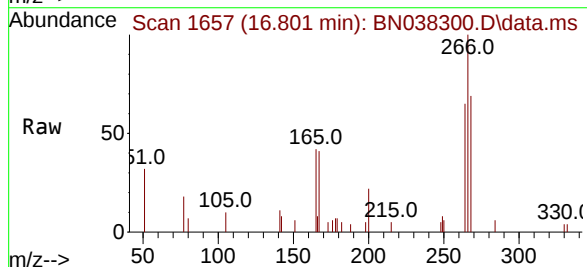
Instrument :
BNA_N
ClientSampleId :
SSTDICCC0.4

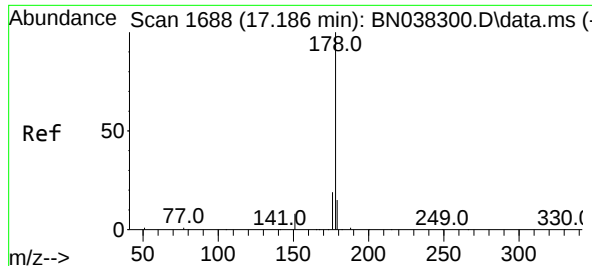
Tgt Ion	Ratio	Lower	Upper
200	100		
173	27.6	22.1	33.1
215	46.8	37.4	56.2



#24
Pentachlorophenol
Concen: 0.347 ng
RT: 16.801 min Scan# 1657
Delta R.T. 0.000 min
Lab File: BN038300.D
Acq: 10 Dec 2025 11:05

Tgt Ion	Ratio	Lower	Upper
266	100		
264	62.7	50.2	75.2
268	65.7	52.6	78.8

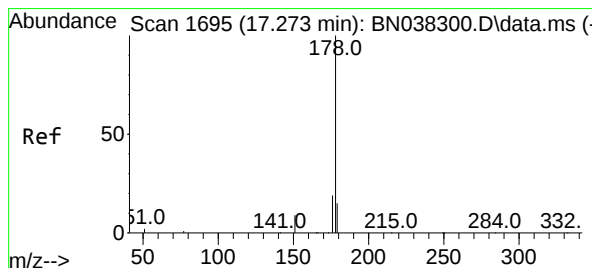
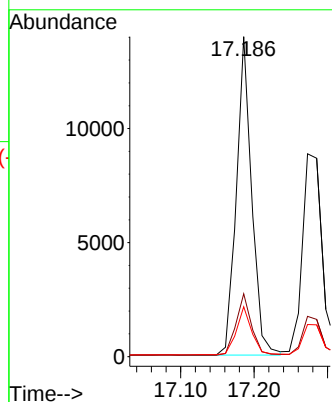
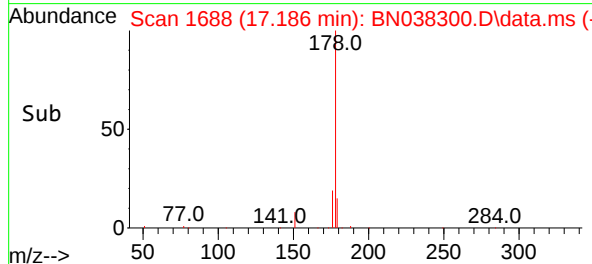
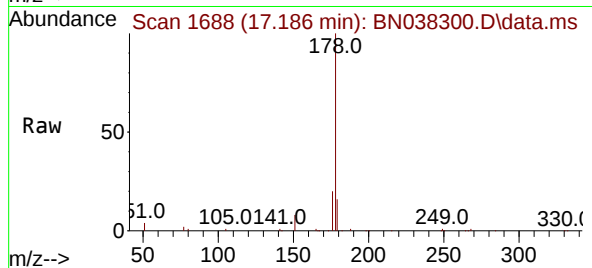




#25
Phenanthrene
Concen: 0.392 ng
RT: 17.186 min Scan# 1688
Delta R.T. 0.000 min
Lab File: BN038300.D
Acq: 10 Dec 2025 11:05

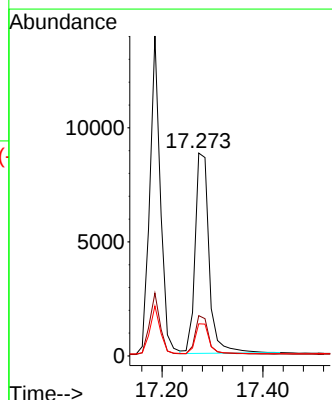
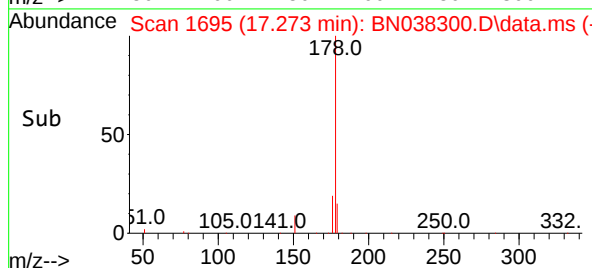
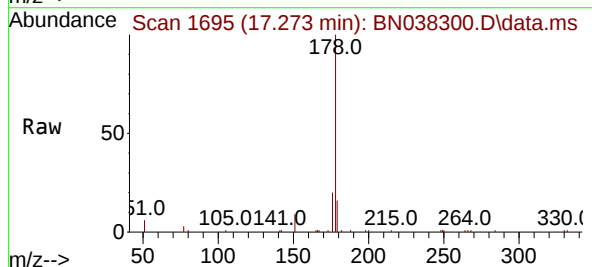
Instrument :
BNA_N
ClientSampleId :
SSTDICCC0.4

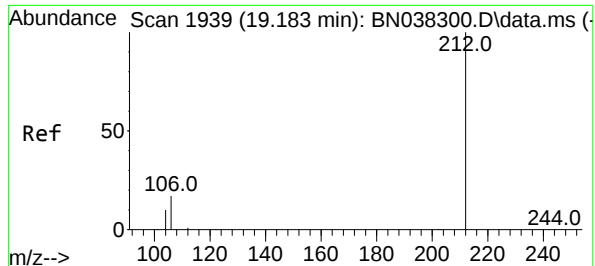
Tgt Ion:178 Resp: 20202
Ion Ratio Lower Upper
178 100
176 19.4 15.5 23.3
179 15.2 12.2 18.2



#26
Anthracene
Concen: 0.382 ng
RT: 17.273 min Scan# 1695
Delta R.T. -0.012 min
Lab File: BN038300.D
Acq: 10 Dec 2025 11:05

Tgt Ion:178 Resp: 16986
Ion Ratio Lower Upper
178 100
176 18.8 15.1 22.7
179 15.0 12.0 18.0





#27

Fluoranthene-d10

Concen: 0.398 ng

RT: 19.183 min Scan# 1939

Delta R.T. -0.005 min

Lab File: BN038300.D

Acq: 10 Dec 2025 11:05

Instrument :

BNA_N

ClientSampleId :

SSTDICCC0.4

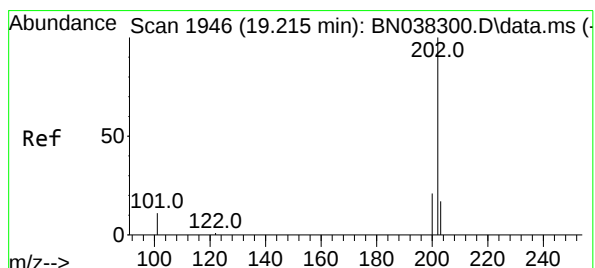
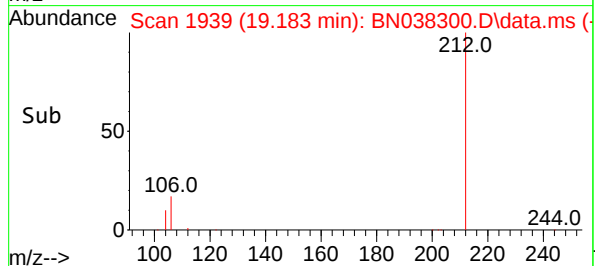
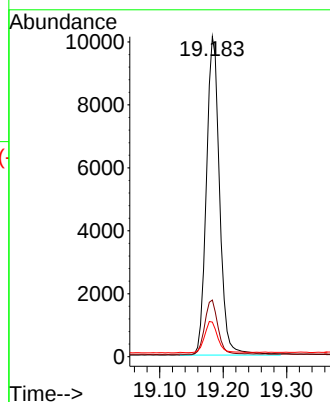
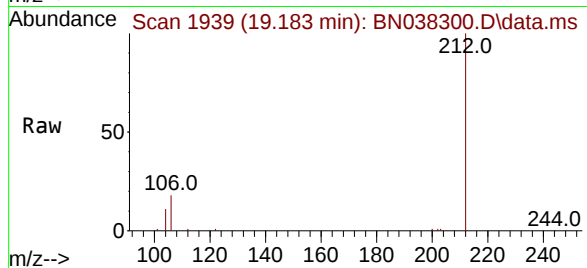
Tgt Ion:212 Resp: 14593

Ion Ratio Lower Upper

212 100

106 17.1 13.7 20.5

104 9.8 7.8 11.8



#28

Fluoranthene

Concen: 0.394 ng

RT: 19.215 min Scan# 1946

Delta R.T. -0.005 min

Lab File: BN038300.D

Acq: 10 Dec 2025 11:05

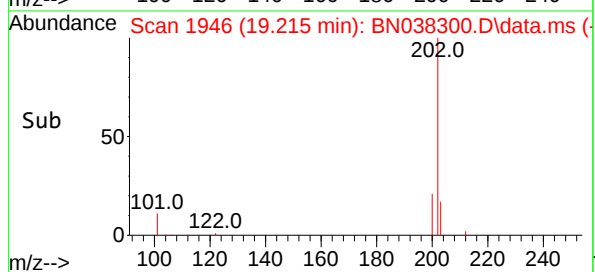
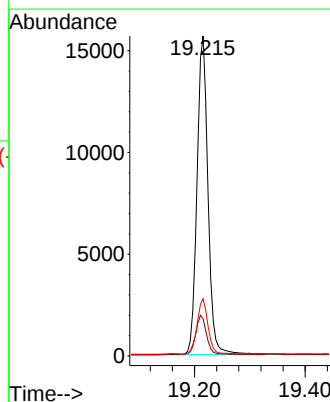
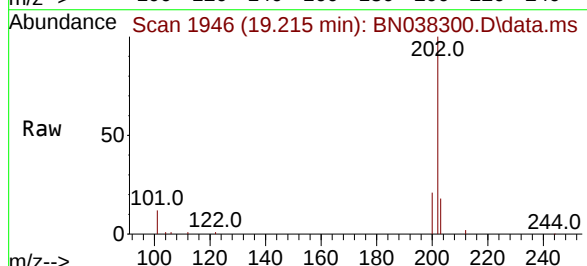
Tgt Ion:202 Resp: 21635

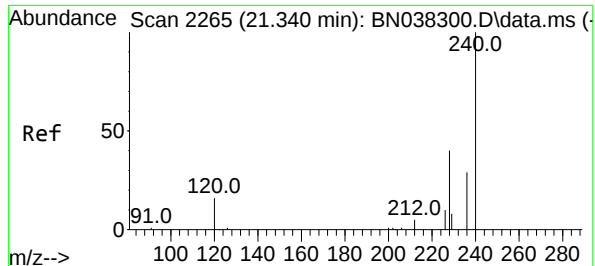
Ion Ratio Lower Upper

202 100

101 12.0 9.6 14.4

203 16.9 13.5 20.3





#29

Chrysene-d12

Concen: 0.400 ng

RT: 21.340 min Scan# 21

Delta R.T. 0.000 min

Lab File: BN038300.D

Acq: 10 Dec 2025 11:05

Instrument :

BNA_N

ClientSampleId :

SSTDICCC0.4

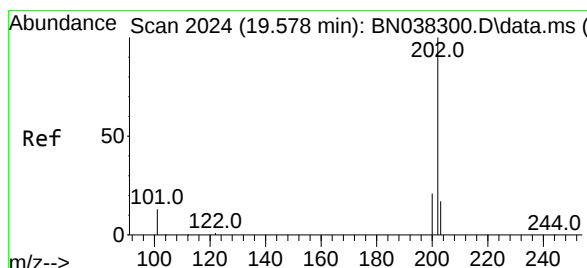
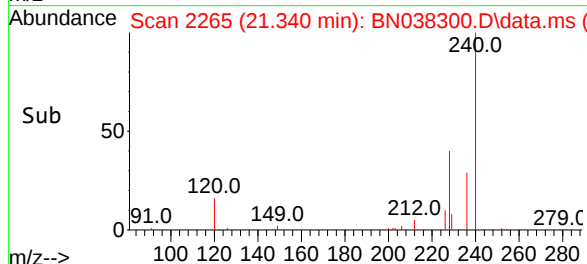
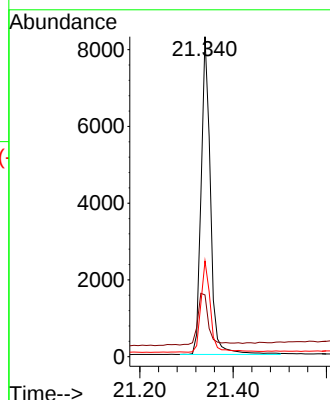
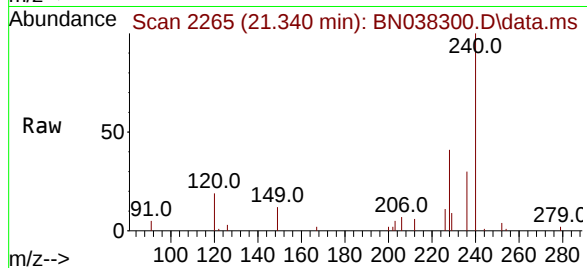
Tgt Ion:240 Resp: 11516

Ion Ratio Lower Upper

240 100

120 19.3 15.4 23.2

236 29.9 23.9 35.9



#30

Pyrene

Concen: 0.390 ng

RT: 19.578 min Scan# 2024

Delta R.T. -0.005 min

Lab File: BN038300.D

Acq: 10 Dec 2025 11:05

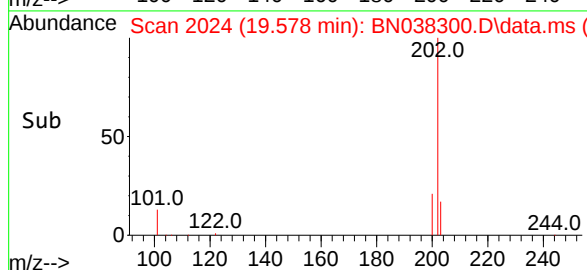
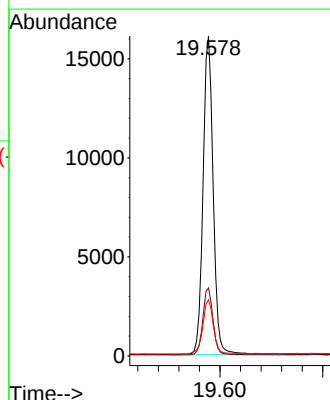
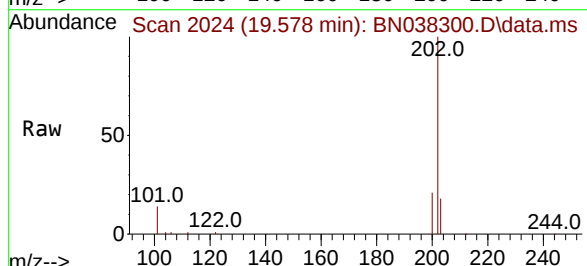
Tgt Ion:202 Resp: 22115

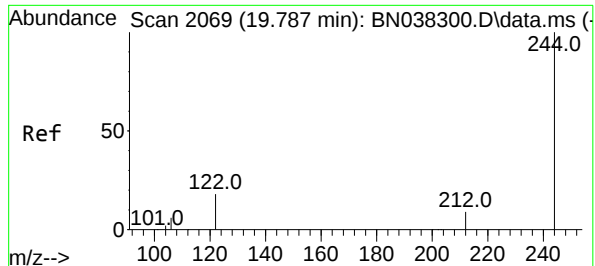
Ion Ratio Lower Upper

202 100

200 21.1 16.9 25.3

203 17.7 14.2 21.2

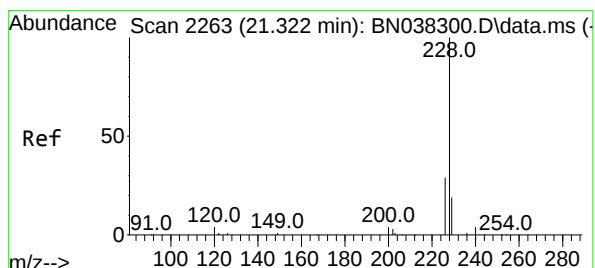
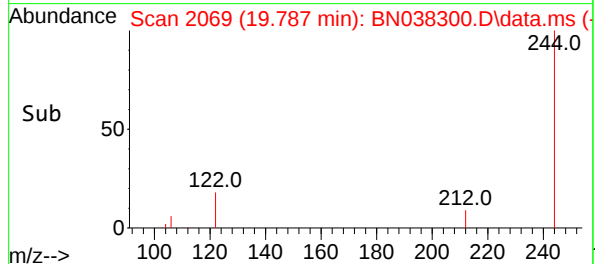
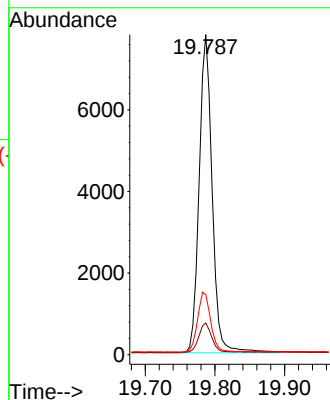
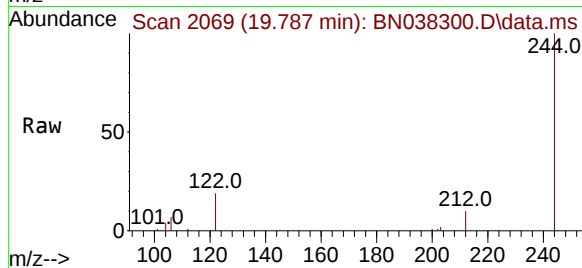




#31
Terphenyl-d14
Concen: 0.395 ng
RT: 19.787 min Scan# 2069
Delta R.T. -0.005 min
Lab File: BN038300.D
Acq: 10 Dec 2025 11:05

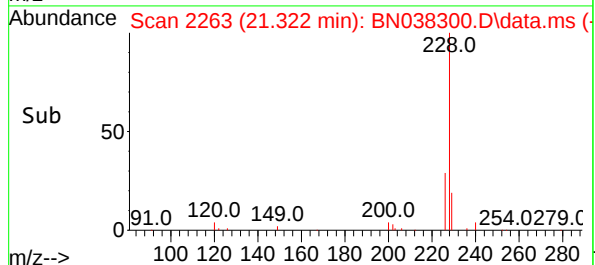
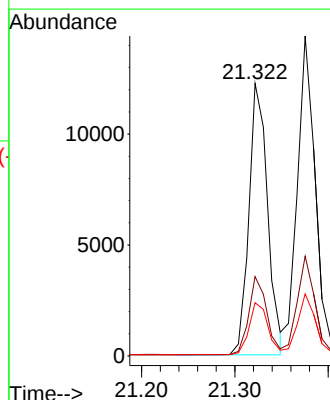
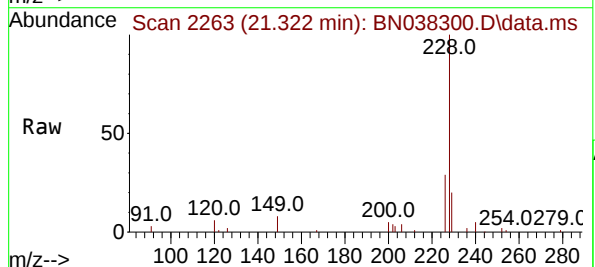
Instrument :
BNA_N
ClientSampleId :
SSTDICCC0.4

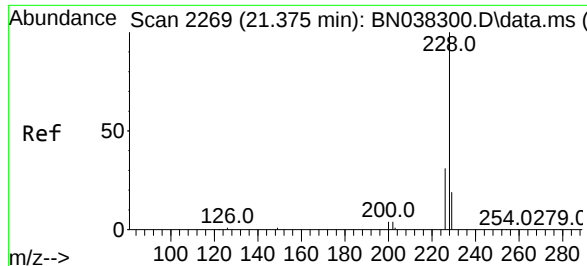
Tgt Ion	Ratio	Lower	Upper
244	100		
212	9.9	7.9	11.9
122	18.8	15.0	22.6



#32
Benzo(a)anthracene
Concen: 0.383 ng
RT: 21.322 min Scan# 2263
Delta R.T. -0.009 min
Lab File: BN038300.D
Acq: 10 Dec 2025 11:05

Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.1	23.3	34.9
229	19.6	15.7	23.5





#33

Chrysene

Concen: 0.405 ng

RT: 21.375 min Scan# 21

Delta R.T. 0.000 min

Lab File: BN038300.D

Acq: 10 Dec 2025 11:05

Instrument :

BNA_N

ClientSampleId :

SSTDICCC0.4

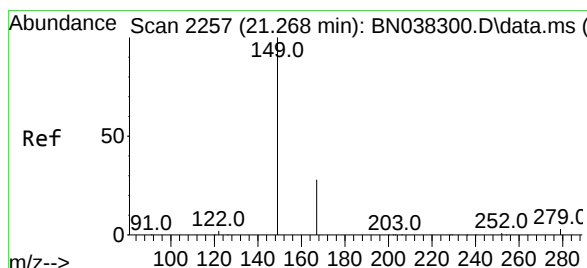
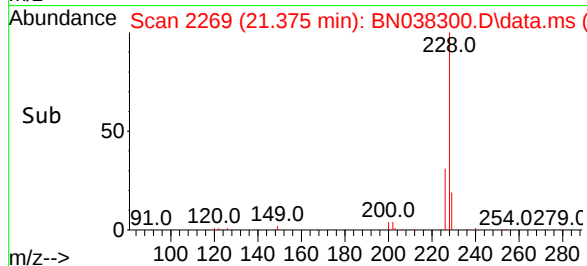
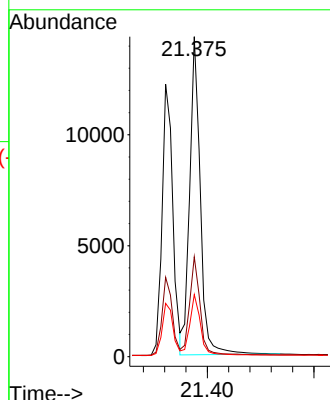
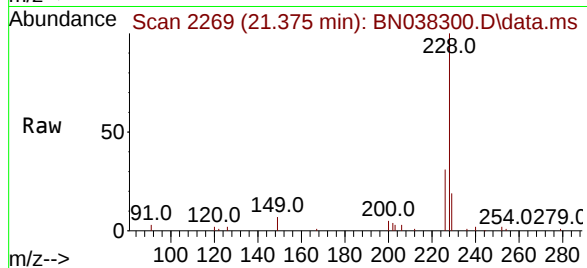
Tgt Ion:228 Resp: 19820

Ion Ratio Lower Upper

228 100

226 31.2 25.0 37.4

229 19.4 15.5 23.3



#34

Bis(2-ethylhexyl)phthalate

Concen: 0.399 ng

RT: 21.268 min Scan# 2257

Delta R.T. 0.000 min

Lab File: BN038300.D

Acq: 10 Dec 2025 11:05

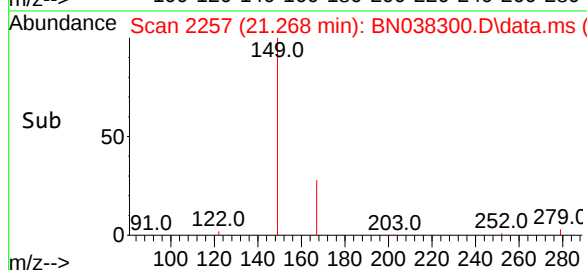
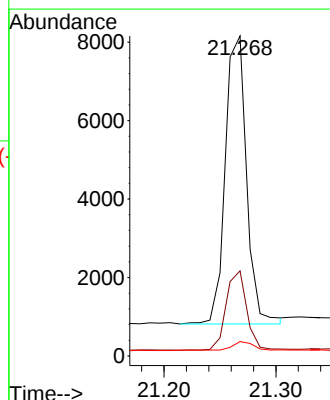
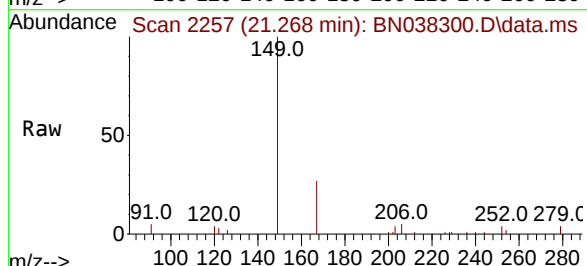
Tgt Ion:149 Resp: 9726

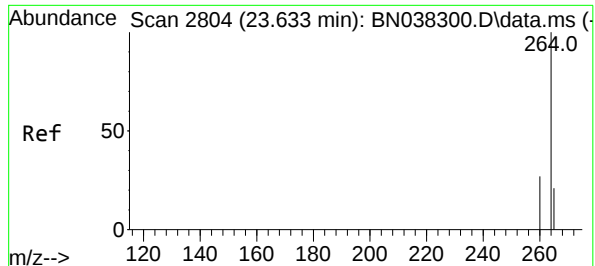
Ion Ratio Lower Upper

149 100

167 26.7 21.4 32.0

279 3.0 2.4 3.6

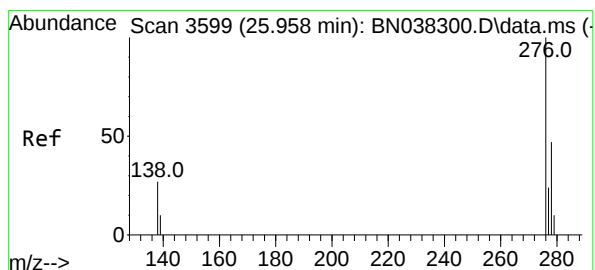
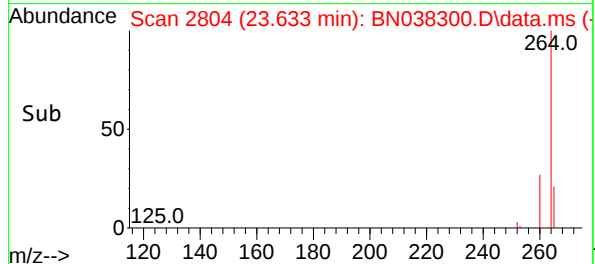
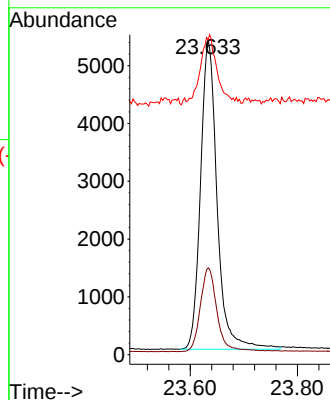
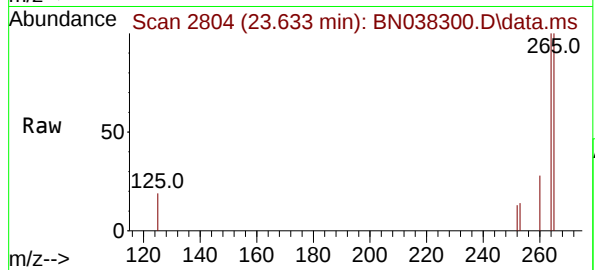




#35
Perylene-d12
Concen: 0.400 ng
RT: 23.633 min Scan# 2804
Delta R.T. 0.000 min
Lab File: BN038300.D
Acq: 10 Dec 2025 11:05

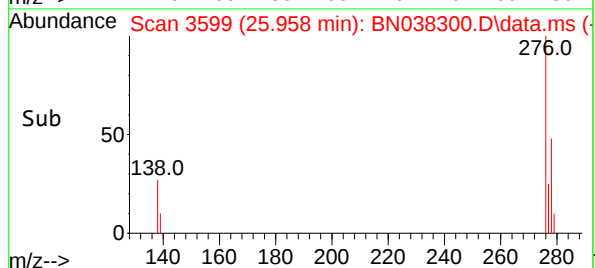
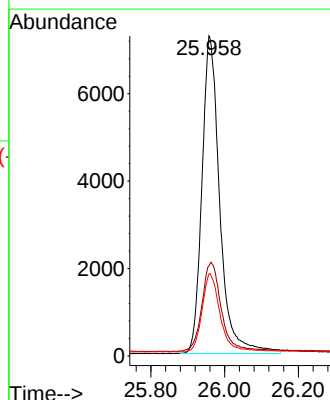
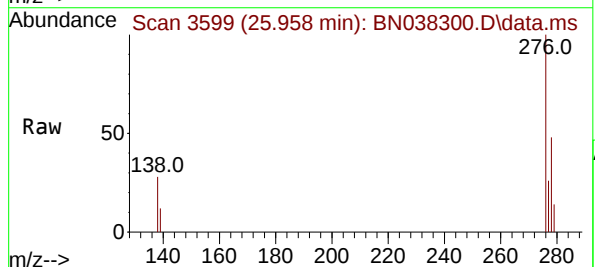
Instrument :
BNA_N
ClientSampleId :
SSTDICCC0.4

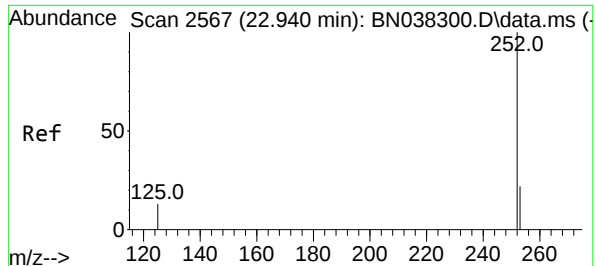
Tgt Ion:264 Resp: 11519
Ion Ratio Lower Upper
264 100
260 27.7 22.2 33.2
265 100.2 80.2 120.2



#36
Indeno(1,2,3-cd)pyrene
Concen: 0.400 ng
RT: 25.958 min Scan# 3599
Delta R.T. -0.006 min
Lab File: BN038300.D
Acq: 10 Dec 2025 11:05

Tgt Ion:276 Resp: 24439
Ion Ratio Lower Upper
276 100
138 29.5 23.6 35.4
277 24.6 19.7 29.5





#37

Benzo(b)fluoranthene

Concen: 0.388 ng

RT: 22.940 min Scan# 2567

Delta R.T. -0.006 min

Lab File: BN038300.D

Acq: 10 Dec 2025 11:05

Instrument :

BNA_N

ClientSampleId :

SSTDICCC0.4

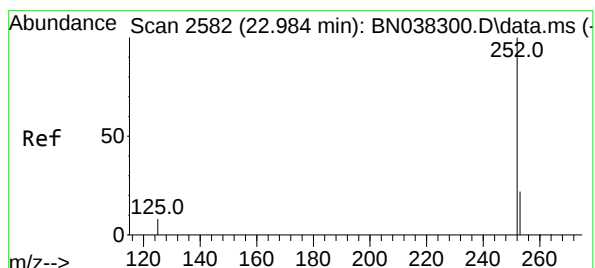
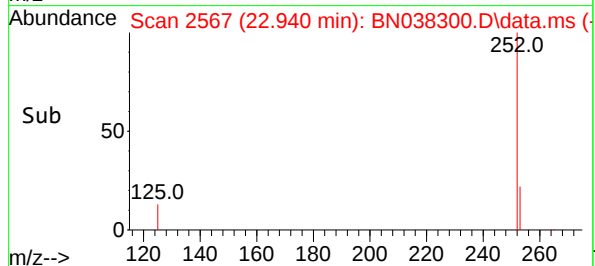
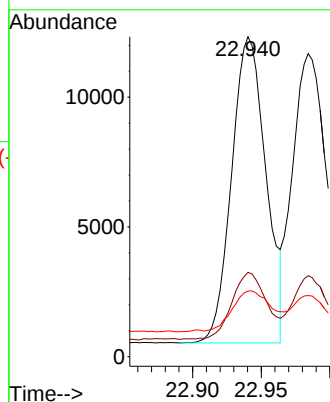
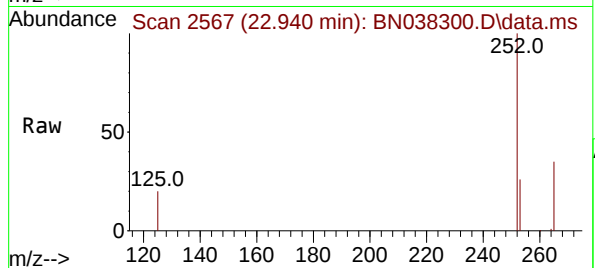
Tgt Ion:252 Resp: 20540

Ion Ratio Lower Upper

252 100

253 26.4 21.1 31.7

125 20.5 16.4 24.6



#38

Benzo(k)fluoranthene

Concen: 0.392 ng

RT: 22.984 min Scan# 2582

Delta R.T. -0.006 min

Lab File: BN038300.D

Acq: 10 Dec 2025 11:05

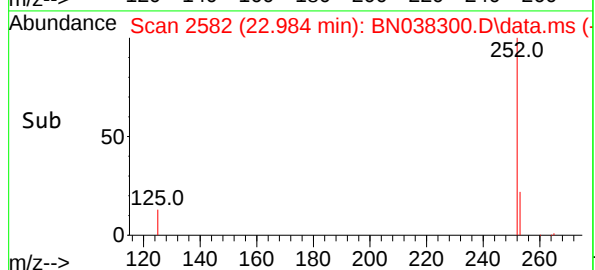
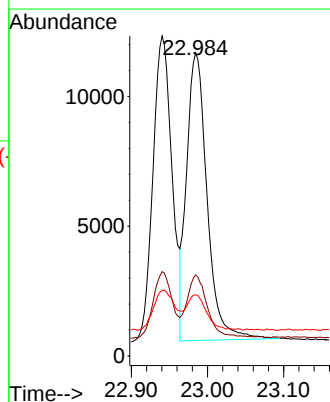
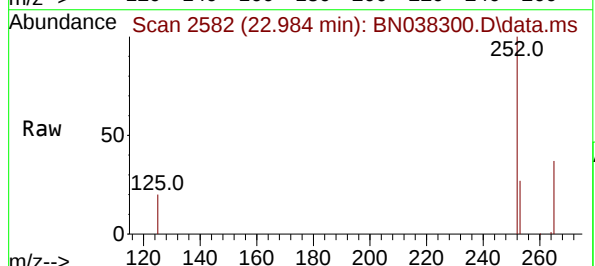
Tgt Ion:252 Resp: 20691

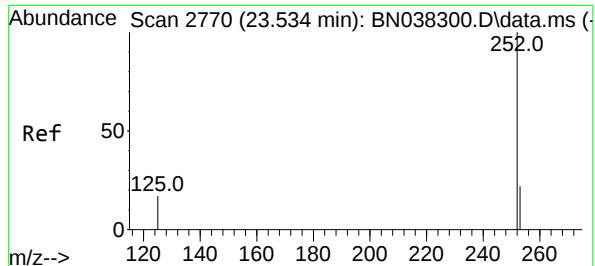
Ion Ratio Lower Upper

252 100

253 26.7 21.4 32.0

125 20.2 16.2 24.2





#39

Benzo(a)pyrene

Concen: 0.391 ng

RT: 23.534 min Scan# 21

Delta R.T. 0.000 min

Lab File: BN038300.D

Acq: 10 Dec 2025 11:05

Instrument :

BNA_N

ClientSampleId :

SSTDICCC0.4

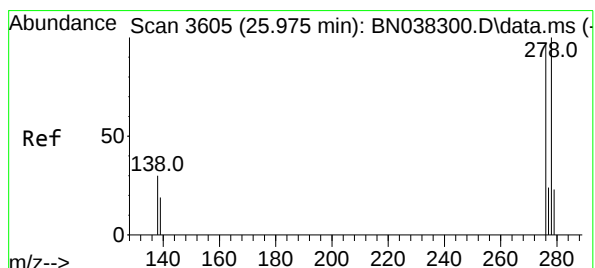
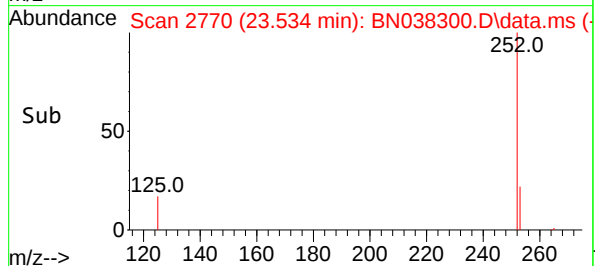
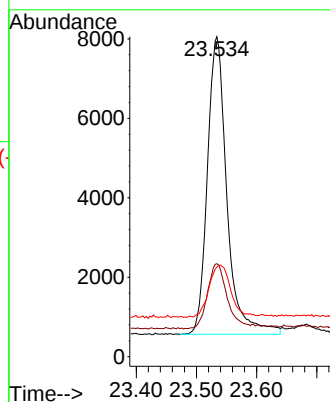
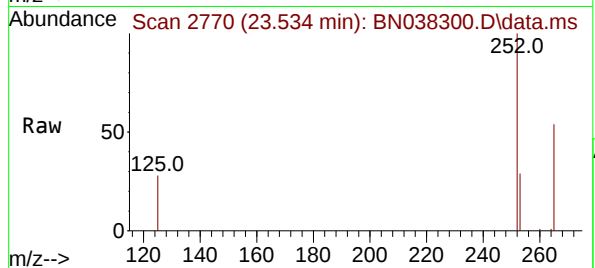
Tgt Ion:252 Resp: 16923

Ion Ratio Lower Upper

252 100

253 29.1 23.3 34.9

125 28.0 22.4 33.6



#40

Dibenzo(a,h)anthracene

Concen: 0.396 ng

RT: 25.975 min Scan# 3605

Delta R.T. -0.006 min

Lab File: BN038300.D

Acq: 10 Dec 2025 11:05

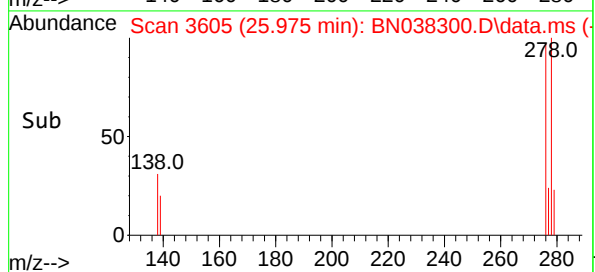
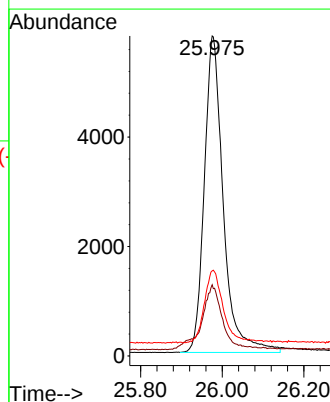
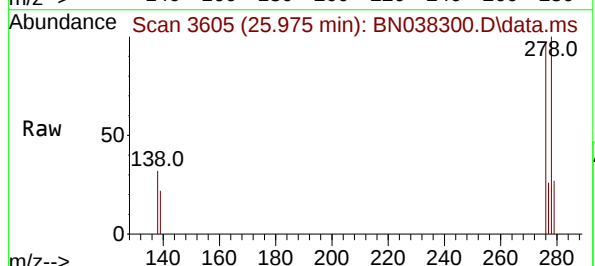
Tgt Ion:278 Resp: 18646

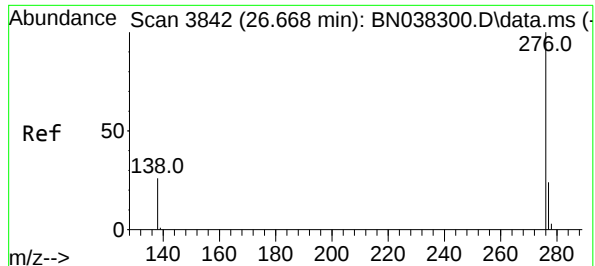
Ion Ratio Lower Upper

278 100

139 22.3 17.8 26.8

279 26.6 21.3 31.9





#41

Benzo(g,h,i)perylene

Concen: 0.396 ng

RT: 26.668 min Scan# 3842

Delta R.T. -0.009 min

Lab File: BN038300.D

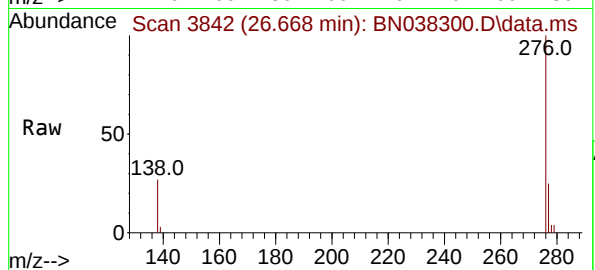
Acq: 10 Dec 2025 11:05

Instrument :

BNA_N

ClientSampleId :

SSTDICCC0.4



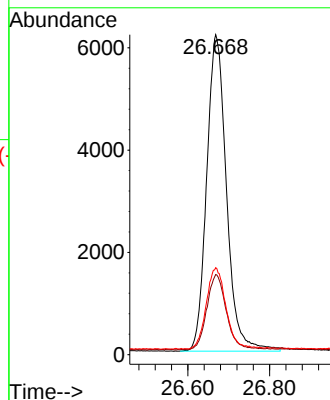
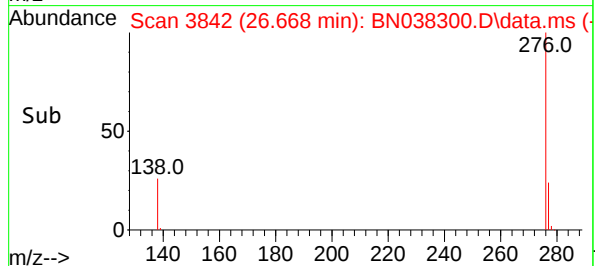
Tgt Ion:276 Resp: 20868

Ion Ratio Lower Upper

276 100

277 25.0 20.0 30.0

138 27.2 21.8 32.6



Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN121025\
 Data File : BN038301.D
 Acq On : 10 Dec 2025 11:41
 Operator : RC/JU
 Sample : SSTDICC0.8
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 SSTDICC0.8

Quant Time: Dec 10 13:59:57 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN121025.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Dec 10 13:56:50 2025
 Response via : Initial Calibration

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

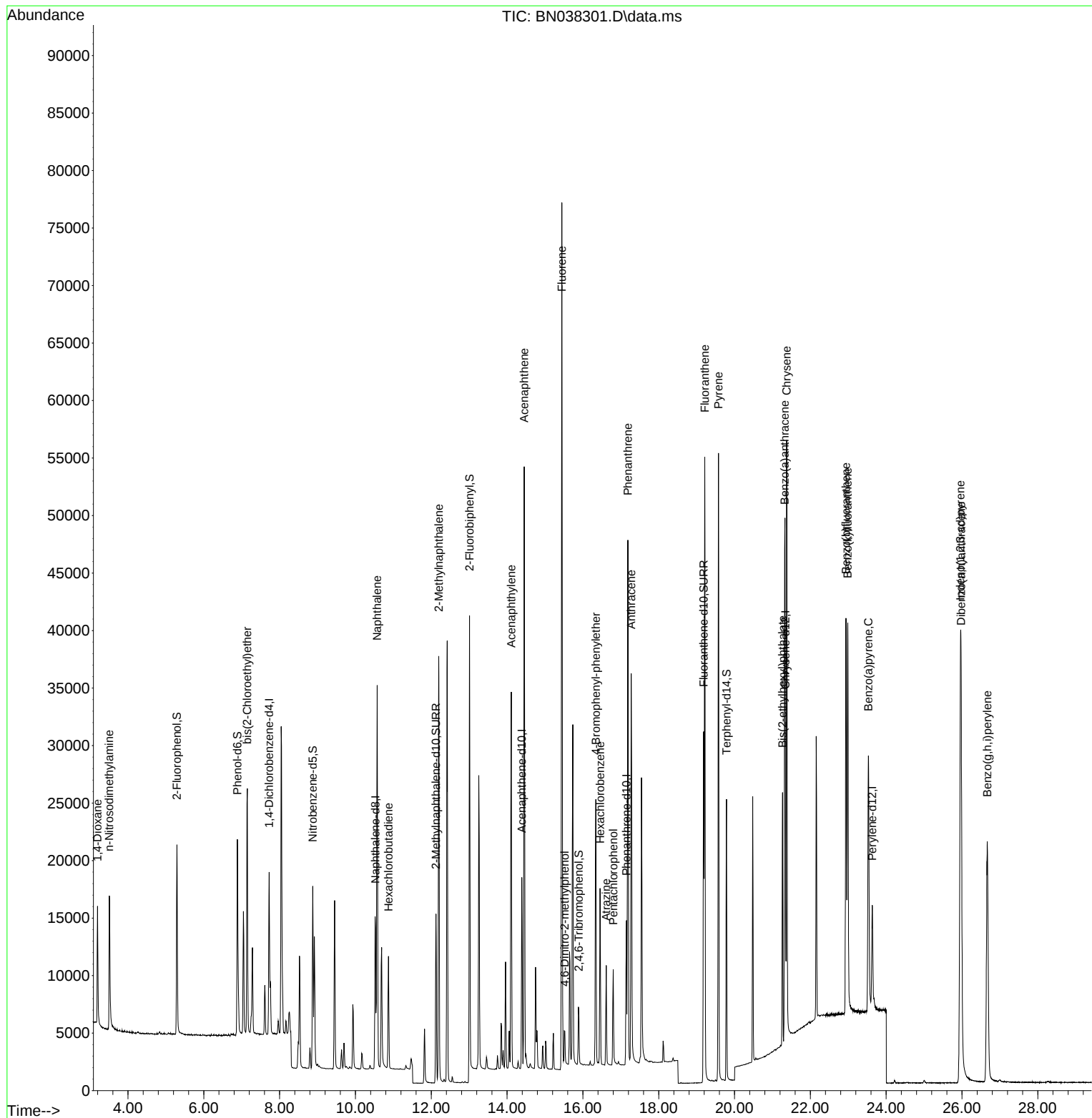
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.724	152	6971	0.400	ng	0.00
7) Naphthalene-d8	10.530	136	18433	0.400	ng	0.00
13) Acenaphthene-d10	14.387	164	9355	0.400	ng	-0.01
19) Phenanthrene-d10	17.148	188	16598	0.400	ng	0.00
29) Chrysene-d12	21.340	240	12910	0.400	ng	0.00
35) Perylene-d12	23.633	264	12619	0.400	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.290	112	13677	0.788	ng	0.00
5) Phenol-d6	6.887	99	16146	0.782	ng	0.00
8) Nitrobenzene-d5	8.875	82	12246	0.788	ng	0.00
11) 2-Methylnaphthalene-d10	12.126	152	20420	0.785	ng	0.00
14) 2,4,6-Tribromophenol	15.895	330	3151	0.759	ng	0.00
15) 2-Fluorobiphenyl	13.008	172	34384	0.763	ng	0.00
27) Fluoranthene-d10	19.183	212	32647	0.795	ng	0.00
31) Terphenyl-d14	19.787	244	22718	0.789	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.196	88	6178	0.773	ng	98
3) n-Nitrosodimethylamine	3.507	42	7923	0.791	ng	99
6) bis(2-Chloroethyl)ether	7.147	93	16015	0.793	ng	98
9) Naphthalene	10.573	128	42584	0.782	ng	100
10) Hexachlorobutadiene	10.872	225	7618	0.787	ng	# 100
12) 2-Methylnaphthalene	12.197	142	27173	0.786	ng	99
16) Acenaphthylene	14.110	152	35839	0.780	ng	100
17) Acenaphthene	14.452	154	25275	0.790	ng	99
18) Fluorene	15.446	166	32463	0.788	ng	98
20) 4,6-Dinitro-2-methylph...	15.522	198	2122	0.777	ng	# 65
21) 4-Bromophenyl-phenylether	16.342	248	9669	0.785	ng	98
22) Hexachlorobenzene	16.453	284	11634	0.786	ng	99
23) Atrazine	16.615	200	6538	0.778	ng	97
24) Pentachlorophenol	16.801	266	4199	0.727	ng	99
25) Phenanthrene	17.186	178	44807	0.776	ng	100
26) Anthracene	17.273	178	39515	0.793	ng	99
28) Fluoranthene	19.215	202	48652	0.792	ng	99
30) Pyrene	19.578	202	49288	0.776	ng	100
32) Benzo(a)anthracene	21.322	228	38762	0.777	ng	99
33) Chrysene	21.375	228	44128	0.804	ng	100
34) Bis(2-ethylhexyl)phtha...	21.268	149	20109	0.735	ng	100
36) Indeno(1,2,3-cd)pyrene	25.960	276	53409	0.798	ng	100
37) Benzo(b)fluoranthene	22.940	252	44814	0.773	ng	# 93
38) Benzo(k)fluoranthene	22.987	252	45726	0.791	ng	# 93
39) Benzo(a)pyrene	23.531	252	36830	0.776	ng	# 88
40) Dibenzo(a,h)anthracene	25.978	278	40988	0.794	ng	97
41) Benzo(g,h,i)perylene	26.668	276	45587	0.790	ng	98

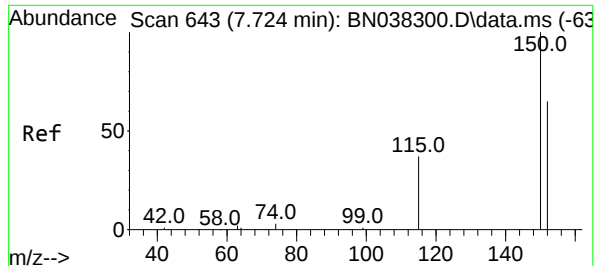
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN121025\
Data File : BN038301.D
Acq On : 10 Dec 2025 11:41
Operator : RC/JU
Sample : SSTDICC0.8
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.8

Quant Time: Dec 10 13:59:57 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN121025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Dec 10 13:56:50 2025
Response via : Initial Calibration

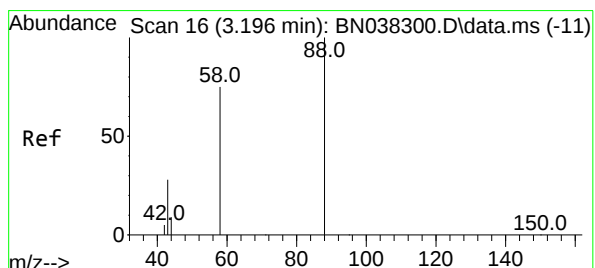
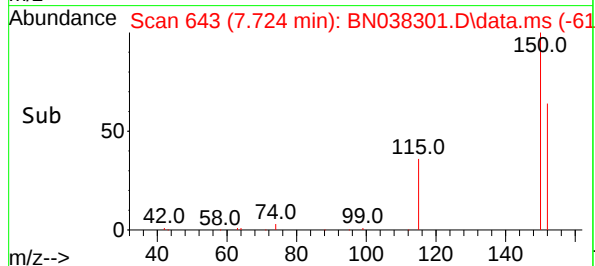
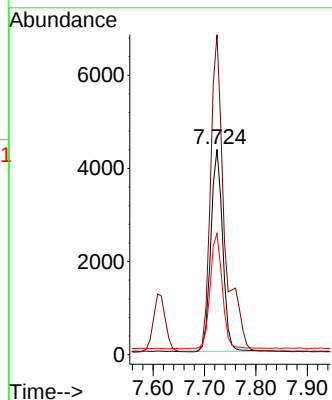
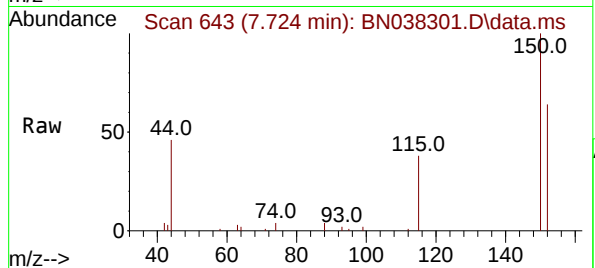




#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.724 min Scan# 64
Delta R.T. 0.000 min
Lab File: BN038301.D
Acq: 10 Dec 2025 11:41

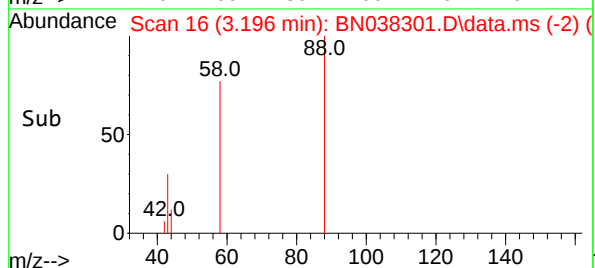
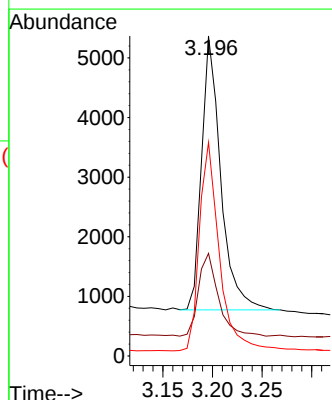
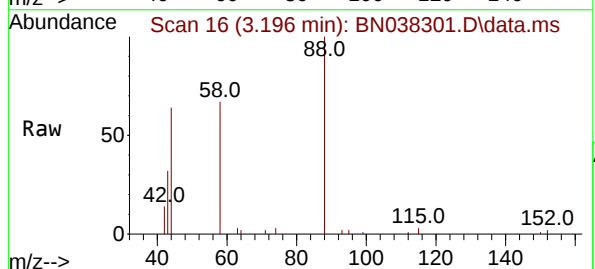
Instrument :
BNA_N
ClientSampleId :
SSTDICC0.8

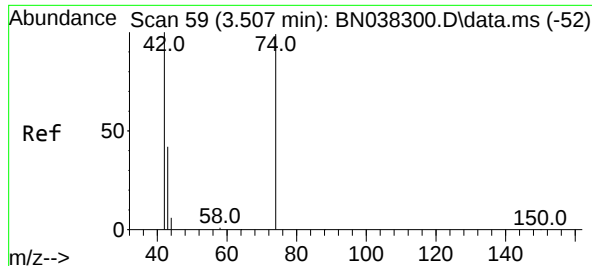
Tgt Ion:152 Resp: 6971
Ion Ratio Lower Upper
152 100
150 155.9 122.4 183.6
115 59.1 47.3 70.9



#2
1,4-Dioxane
Concen: 0.773 ng
RT: 3.196 min Scan# 16
Delta R.T. -0.000 min
Lab File: BN038301.D
Acq: 10 Dec 2025 11:41

Tgt Ion: 88 Resp: 6178
Ion Ratio Lower Upper
88 100
43 31.3 24.9 37.3
58 79.4 61.4 92.0

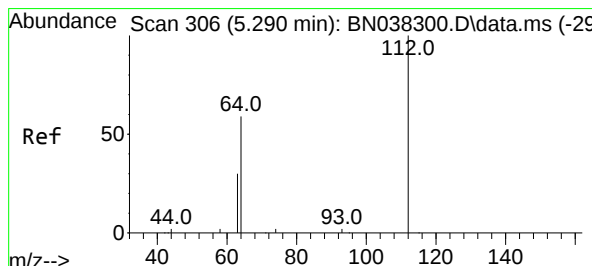
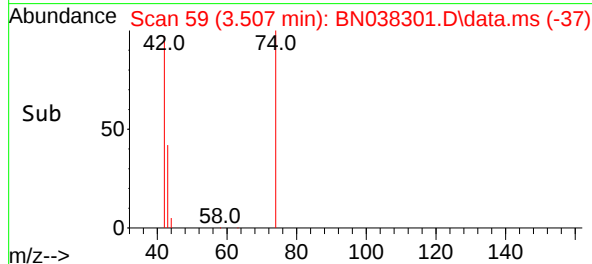
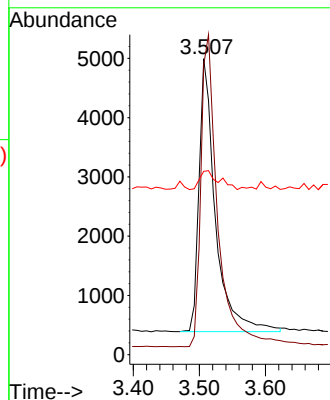
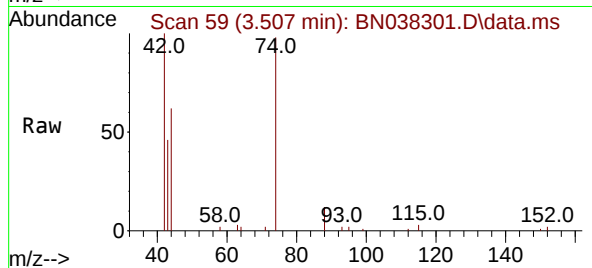




#3
n-Nitrosodimethylamine
Concen: 0.791 ng
RT: 3.507 min Scan# 59
Delta R.T. 0.007 min
Lab File: BN038301.D
Acq: 10 Dec 2025 11:41

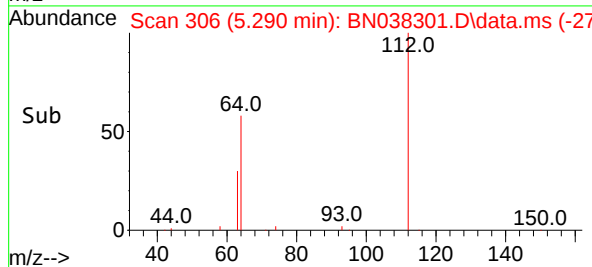
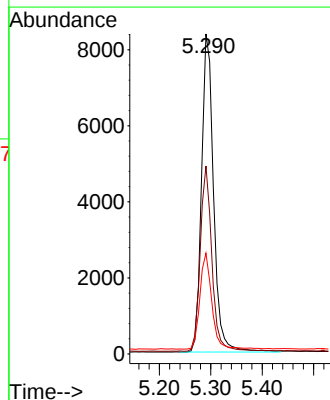
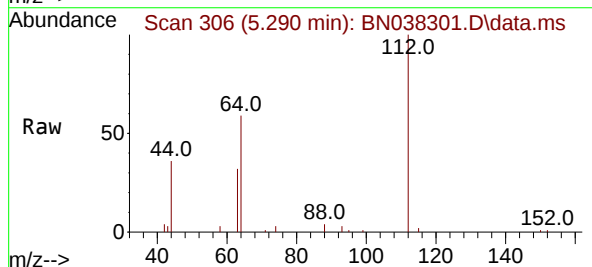
Instrument :
BNA_N
ClientSampleId :
SSTDICC0.8

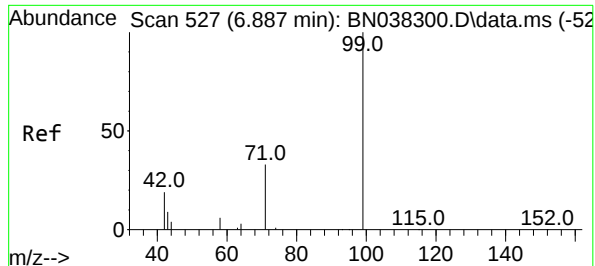
Tgt Ion: 42 Resp: 7923
Ion Ratio Lower Upper
42 100
74 118.6 95.3 142.9
44 8.2 7.9 11.9



#4
2-Fluorophenol
Concen: 0.788 ng
RT: 5.290 min Scan# 306
Delta R.T. -0.000 min
Lab File: BN038301.D
Acq: 10 Dec 2025 11:41

Tgt Ion: 112 Resp: 13677
Ion Ratio Lower Upper
112 100
64 56.4 44.4 66.6
63 29.7 23.4 35.0

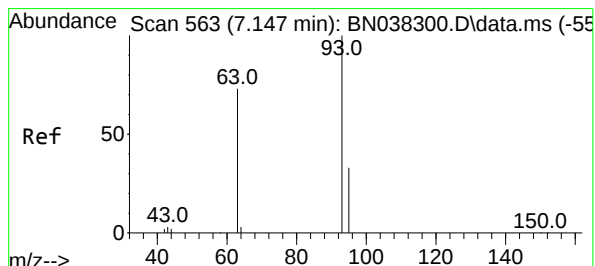
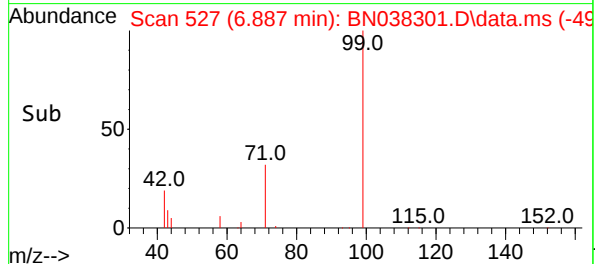
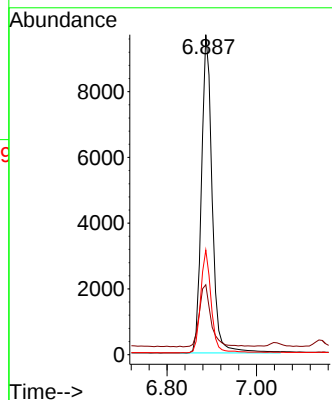
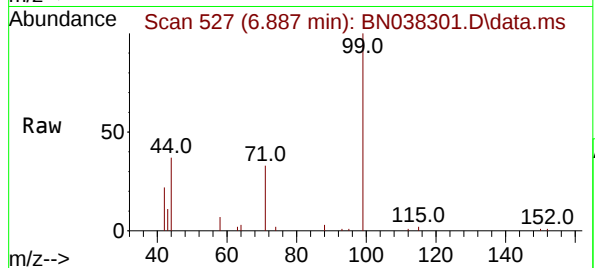




#5
Phenol-d6
Concen: 0.782 ng
RT: 6.887 min Scan# 51
Delta R.T. -0.000 min
Lab File: BN038301.D
Acq: 10 Dec 2025 11:41

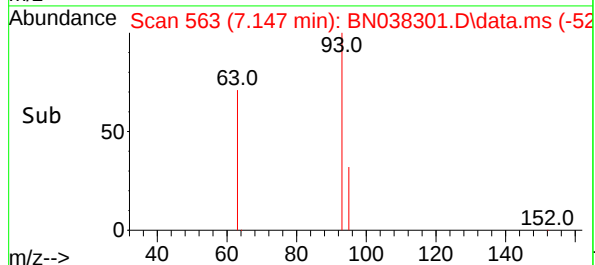
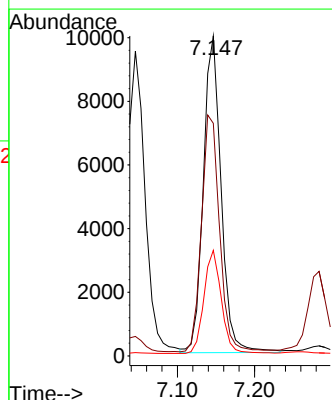
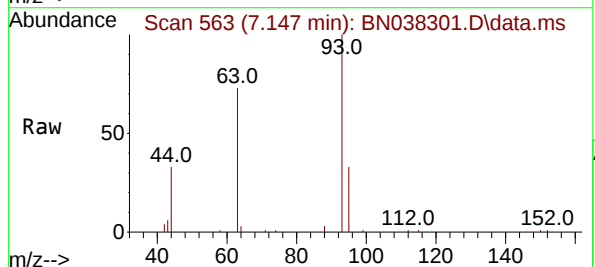
Instrument :
BNA_N
ClientSampleId :
SSTDICC0.8

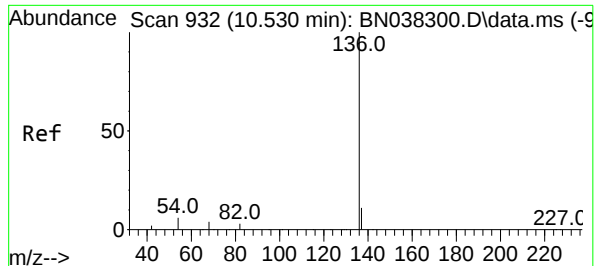
Tgt Ion: 99 Resp: 16146
Ion Ratio Lower Upper
99 100
42 21.4 16.5 24.7
71 31.9 24.9 37.3



#6
bis(2-Chloroethyl)ether
Concen: 0.793 ng
RT: 7.147 min Scan# 563
Delta R.T. -0.000 min
Lab File: BN038301.D
Acq: 10 Dec 2025 11:41

Tgt Ion: 93 Resp: 16015
Ion Ratio Lower Upper
93 100
63 75.9 59.2 88.8
95 31.7 25.2 37.8

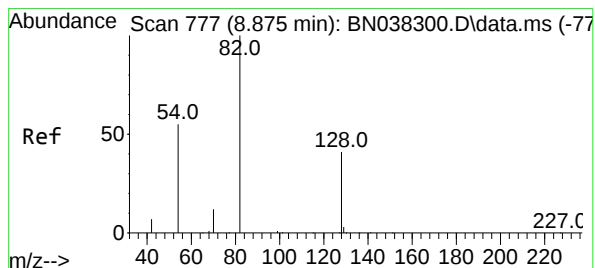
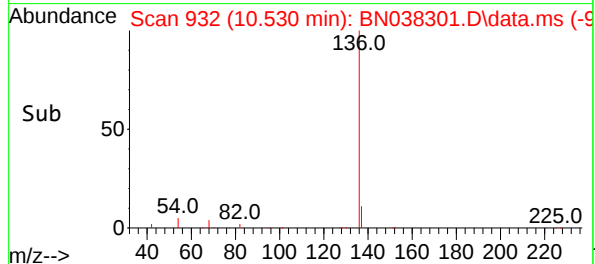
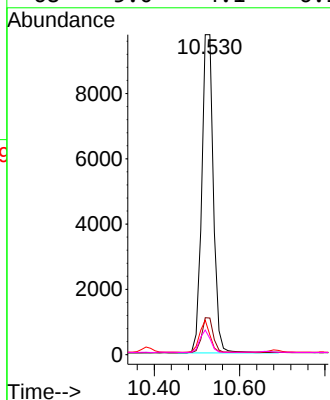
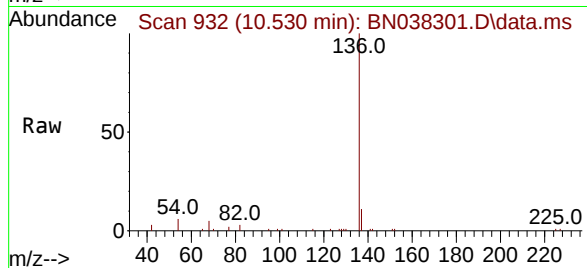




#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.530 min Scan# 91
Delta R.T. -0.000 min
Lab File: BN038301.D
Acq: 10 Dec 2025 11:41

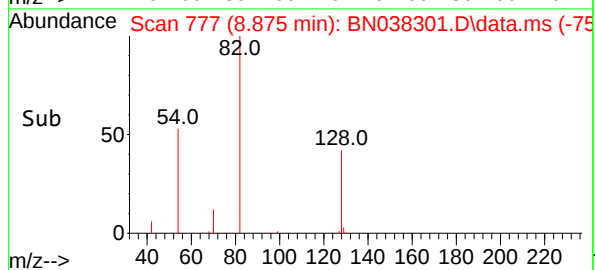
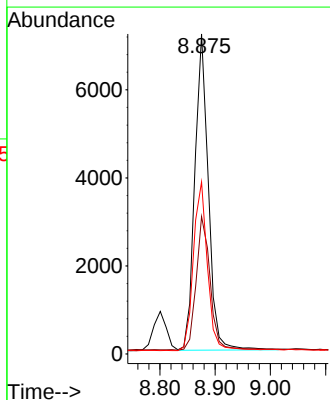
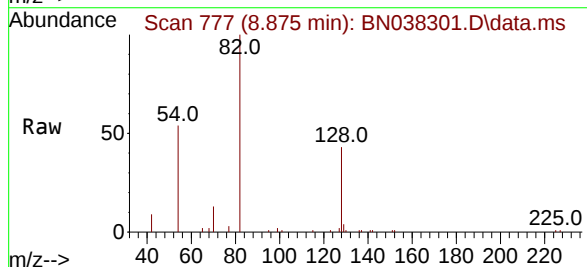
Instrument :
BNA_N
ClientSampleId :
SSTDICC0.8

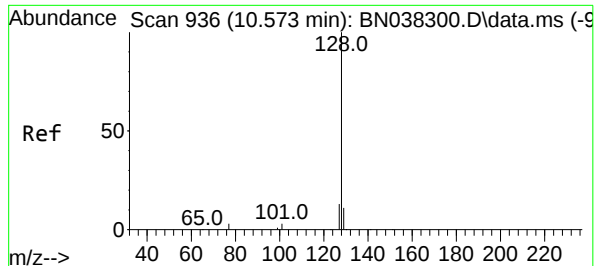
Tgt Ion:	136	Resp:	18433
Ion	Ratio	Lower	Upper
136	100		
137	11.4	9.1	13.7
54	6.2	5.2	7.8
68	5.0	4.1	6.1



#8
Nitrobenzene-d5
Concen: 0.788 ng
RT: 8.875 min Scan# 777
Delta R.T. -0.000 min
Lab File: BN038301.D
Acq: 10 Dec 2025 11:41

Tgt Ion:	82	Resp:	12246
Ion	Ratio	Lower	Upper
82	100		
128	42.9	34.0	51.0
54	53.8	44.4	66.6

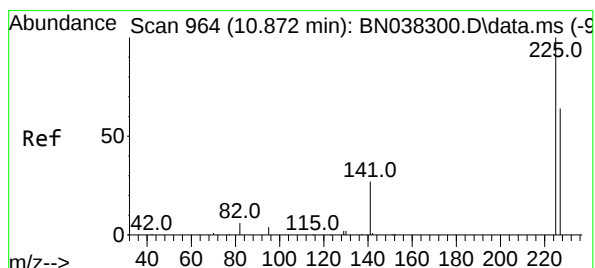
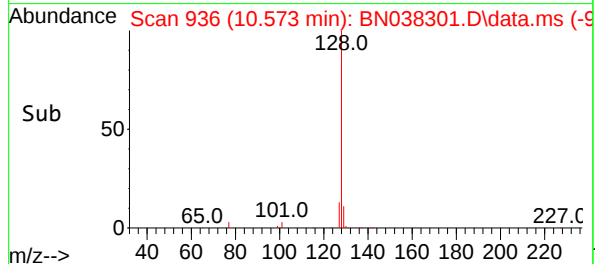
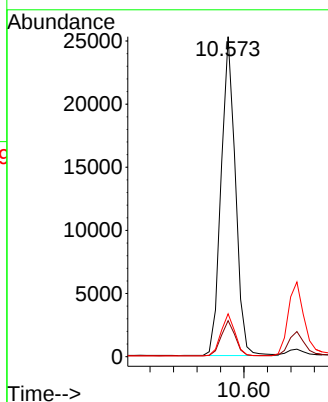
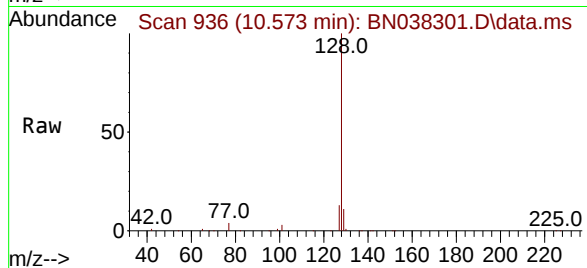




#9
Naphthalene
Concen: 0.782 ng
RT: 10.573 min Scan# 91
Delta R.T. -0.000 min
Lab File: BN038301.D
Acq: 10 Dec 2025 11:41

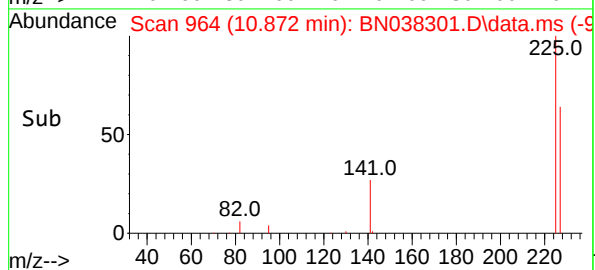
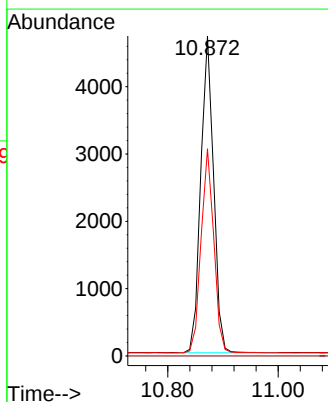
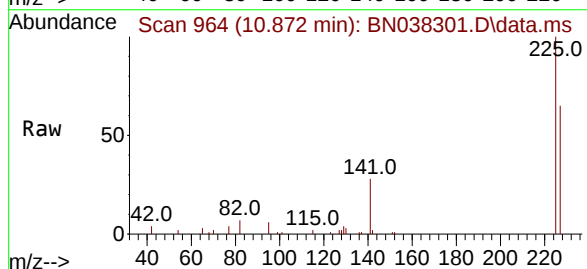
Instrument :
BNA_N
ClientSampleId :
SSTDICC0.8

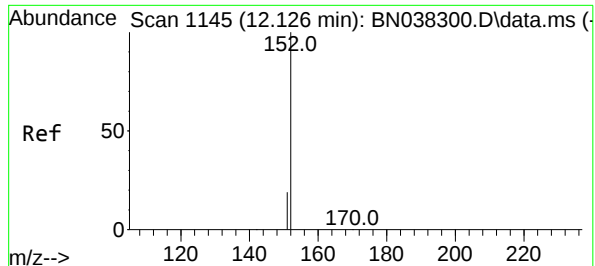
Tgt Ion:128 Resp: 42584
Ion Ratio Lower Upper
128 100
129 11.3 9.1 13.7
127 13.4 10.9 16.3



#10
Hexachlorobutadiene
Concen: 0.787 ng
RT: 10.872 min Scan# 964
Delta R.T. 0.000 min
Lab File: BN038301.D
Acq: 10 Dec 2025 11:41

Tgt Ion:225 Resp: 7618
Ion Ratio Lower Upper
225 100
223 0.0 0.0 0.0
227 63.8 51.2 76.8

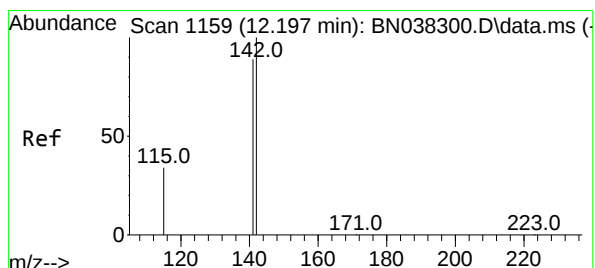
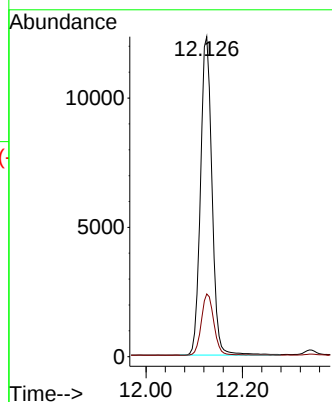
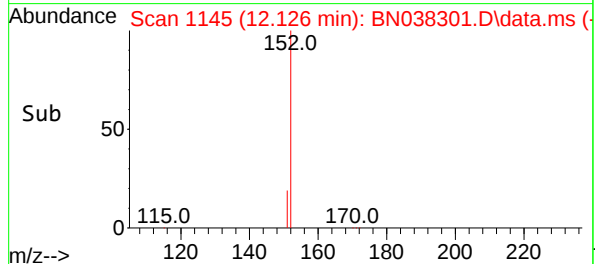
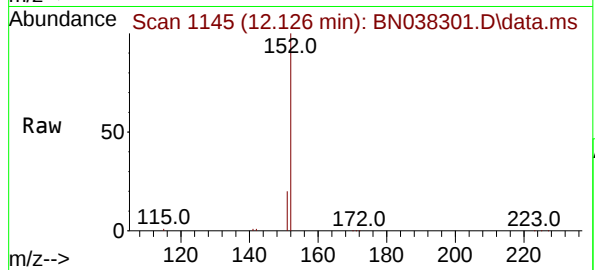




#11
2-Methylnaphthalene-d10
Concen: 0.785 ng
RT: 12.126 min Scan# 1145
Delta R.T. -0.000 min
Lab File: BN038301.D
Acq: 10 Dec 2025 11:41

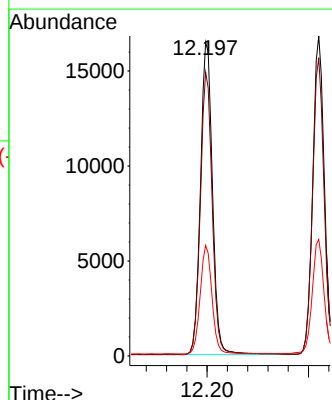
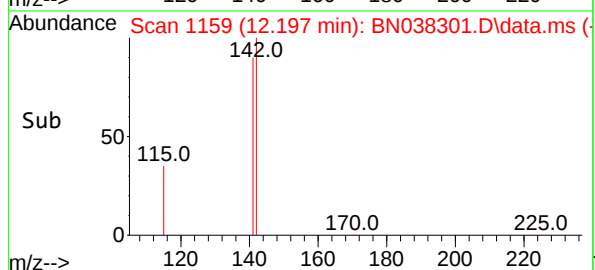
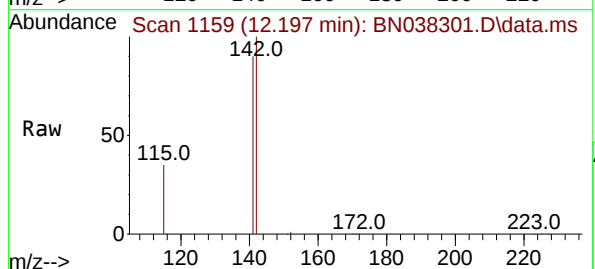
Instrument :
BNA_N
ClientSampleId :
SSTDICC0.8

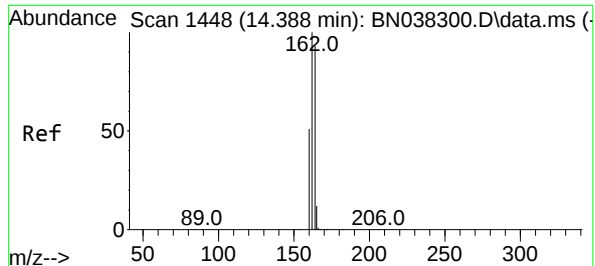
Tgt Ion:152 Resp: 20420
Ion Ratio Lower Upper
152 100
151 21.0 17.0 25.6



#12
2-Methylnaphthalene
Concen: 0.786 ng
RT: 12.197 min Scan# 1159
Delta R.T. -0.005 min
Lab File: BN038301.D
Acq: 10 Dec 2025 11:41

Tgt Ion:142 Resp: 27173
Ion Ratio Lower Upper
142 100
141 90.4 71.4 107.2
115 35.2 28.4 42.6

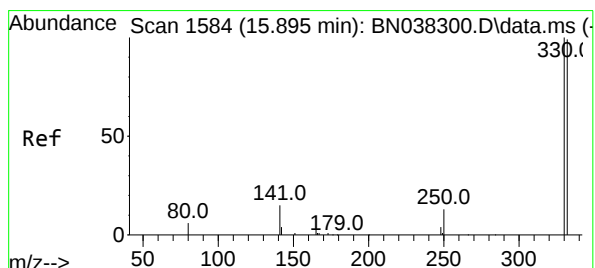
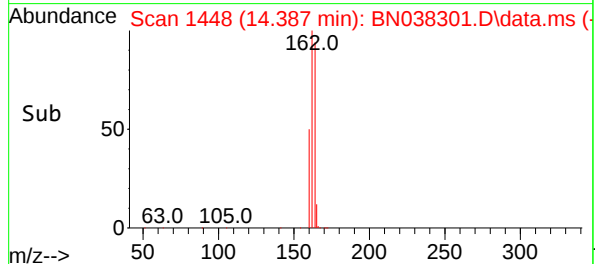
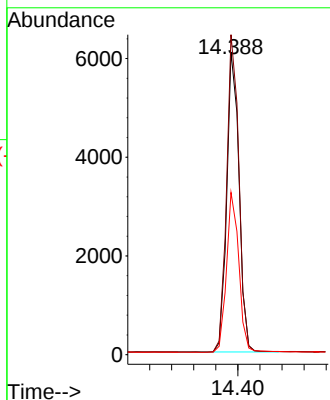
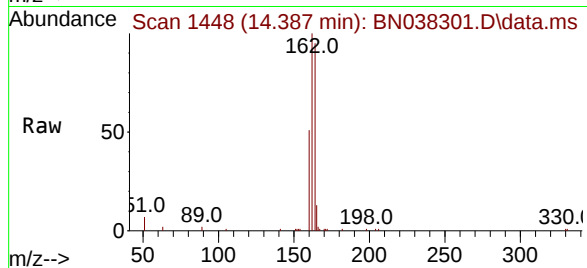




#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.387 min Scan# 1448
Delta R.T. -0.011 min
Lab File: BN038301.D
Acq: 10 Dec 2025 11:41

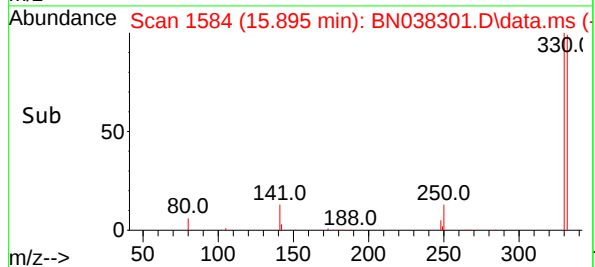
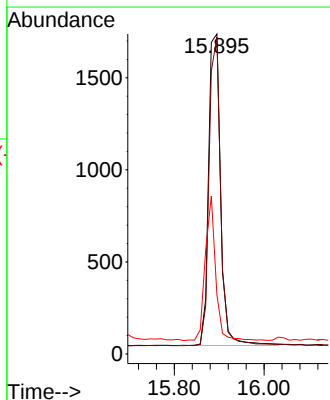
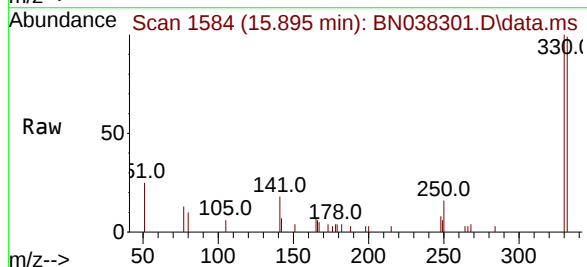
Instrument :
BNA_N
ClientSampleId :
SSTDICC0.8

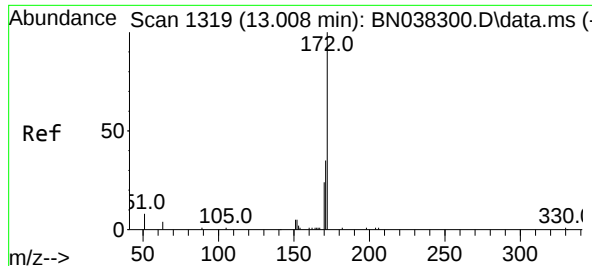
Tgt Ion:164 Resp: 9355
Ion Ratio Lower Upper
164 100
162 105.8 86.2 129.4
160 53.6 44.6 67.0



#14
2,4,6-Tribromophenol
Concen: 0.759 ng
RT: 15.895 min Scan# 1584
Delta R.T. -0.000 min
Lab File: BN038301.D
Acq: 10 Dec 2025 11:41

Tgt Ion:330 Resp: 3151
Ion Ratio Lower Upper
330 100
332 95.0 75.8 113.6
141 39.9 31.8 47.8

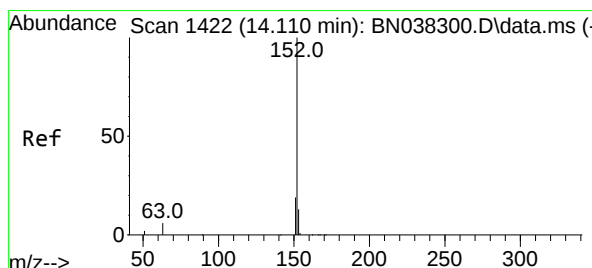
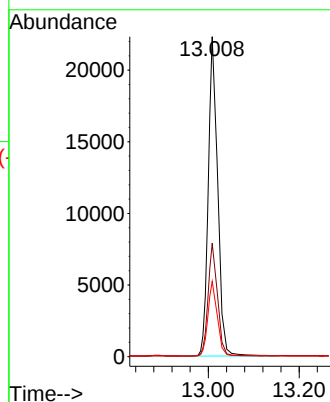
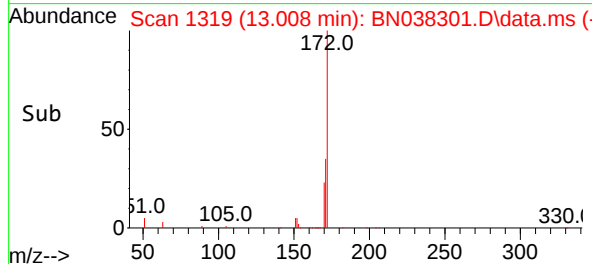
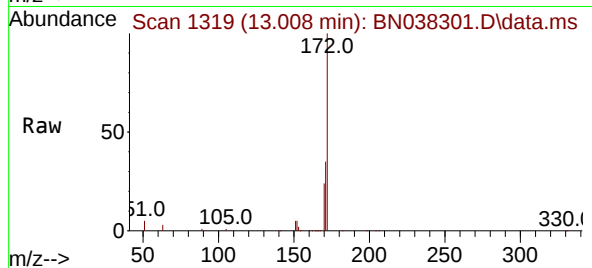




#15
2-Fluorobiphenyl
Concen: 0.763 ng
RT: 13.008 min Scan# 1319
Delta R.T. -0.000 min
Lab File: BN038301.D
Acq: 10 Dec 2025 11:41

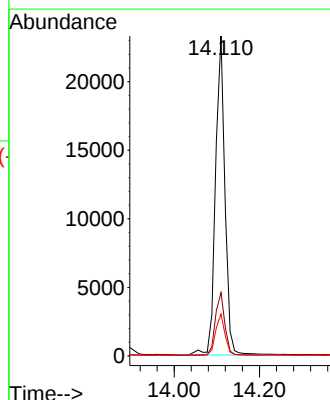
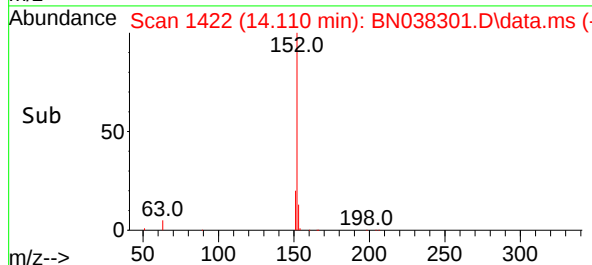
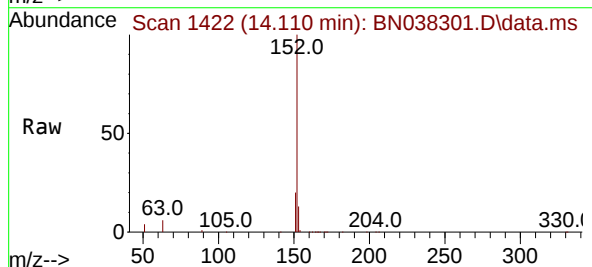
Instrument :
BNA_N
ClientSampleId :
SSTDICC0.8

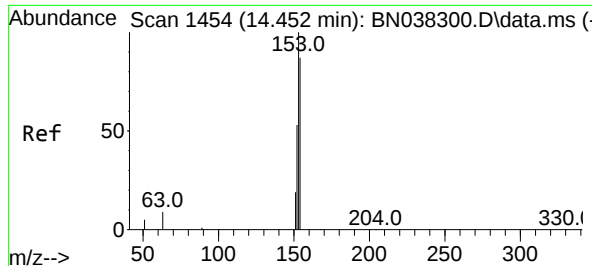
Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.4	28.6	42.8
170	23.5	19.3	28.9



#16
Acenaphthylene
Concen: 0.780 ng
RT: 14.110 min Scan# 1422
Delta R.T. -0.000 min
Lab File: BN038301.D
Acq: 10 Dec 2025 11:41

Tgt Ion	Ratio	Lower	Upper
152	100		
151	19.4	15.4	23.2
153	12.9	10.2	15.4

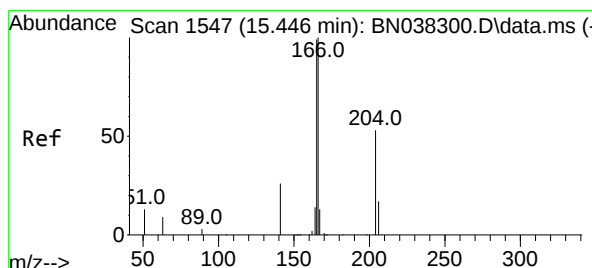
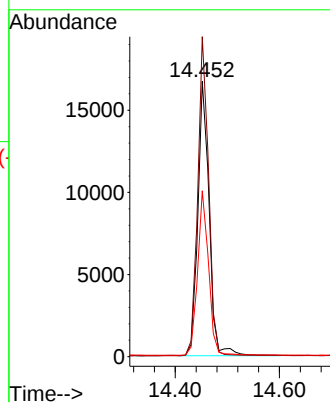
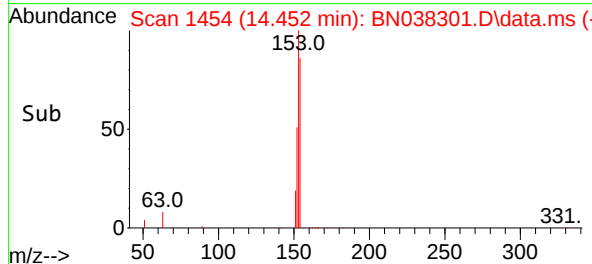
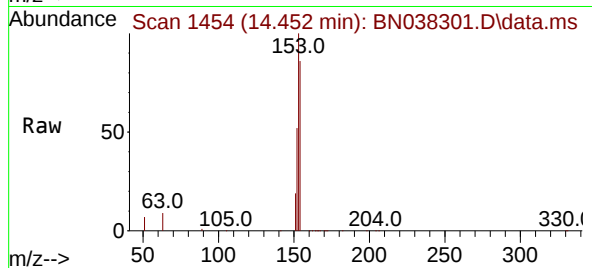




#17
Acenaphthene
Concen: 0.790 ng
RT: 14.452 min Scan# 1454
Delta R.T. -0.011 min
Lab File: BN038301.D
Acq: 10 Dec 2025 11:41

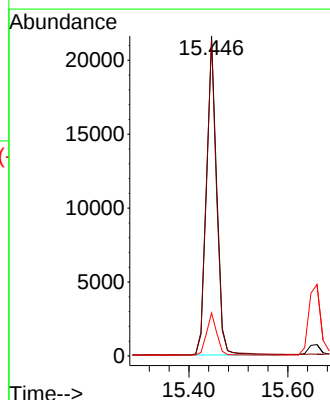
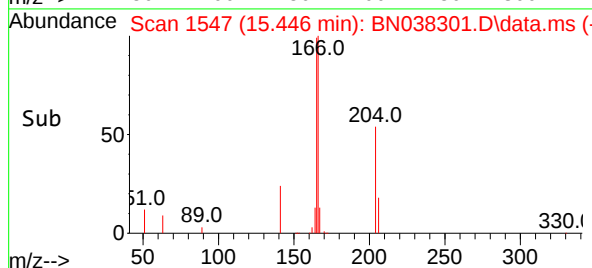
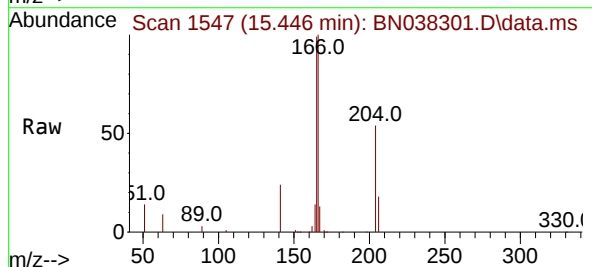
Instrument :
BNA_N
ClientSampleId :
SSTDICC0.8

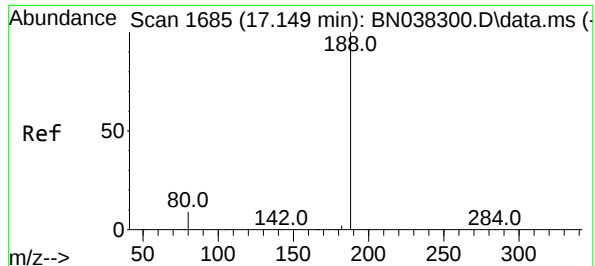
Tgt Ion	Ratio	Lower	Upper
154	100		
153	111.7	89.8	134.8
152	58.2	47.5	71.3



#18
Fluorene
Concen: 0.788 ng
RT: 15.446 min Scan# 1547
Delta R.T. -0.000 min
Lab File: BN038301.D
Acq: 10 Dec 2025 11:41

Tgt Ion	Ratio	Lower	Upper
166	100		
165	98.3	80.2	120.4
167	13.2	10.6	16.0





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 17.148 min Scan# 1685

Delta R.T. -0.000 min

Lab File: BN038301.D

Acq: 10 Dec 2025 11:41

Instrument :

BNA_N

ClientSampleId :

SSTDICC0.8

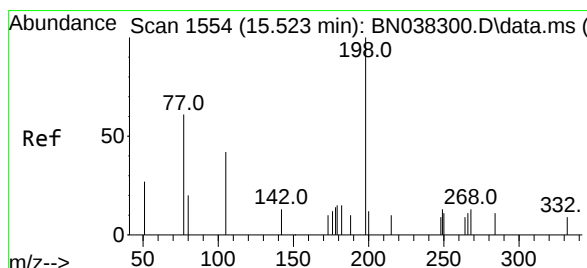
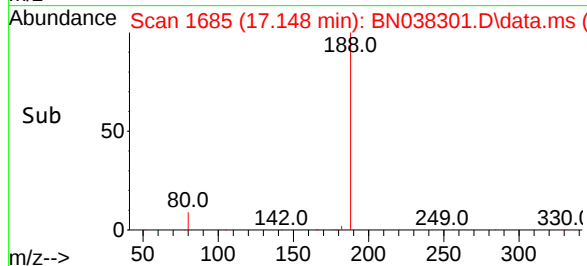
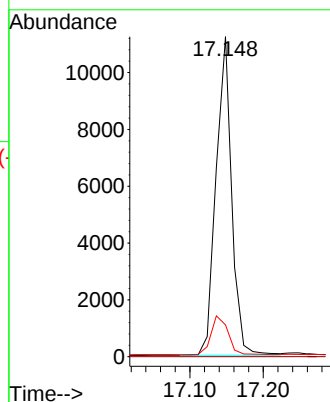
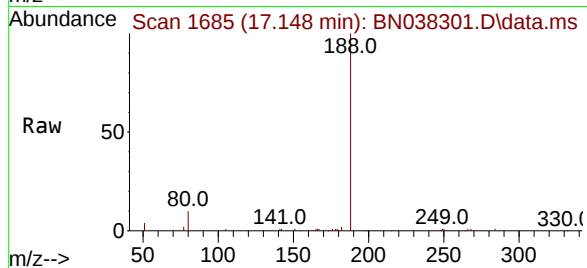
Tgt Ion:188 Resp: 16598

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

80 9.9 7.4 11.0



#20

4,6-Dinitro-2-methylphenol

Concen: 0.777 ng

RT: 15.522 min Scan# 1554

Delta R.T. 0.000 min

Lab File: BN038301.D

Acq: 10 Dec 2025 11:41

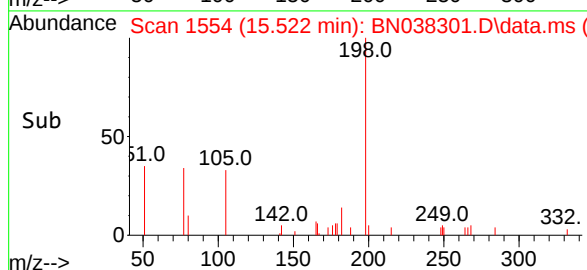
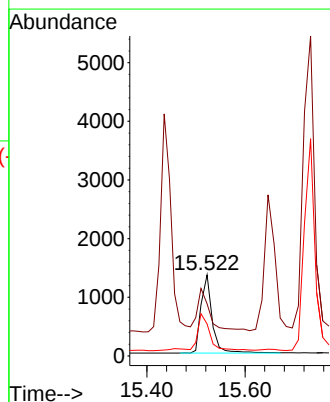
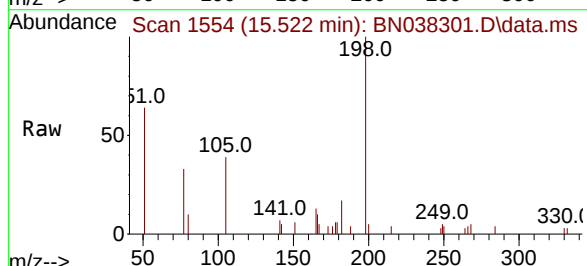
Tgt Ion:198 Resp: 2122

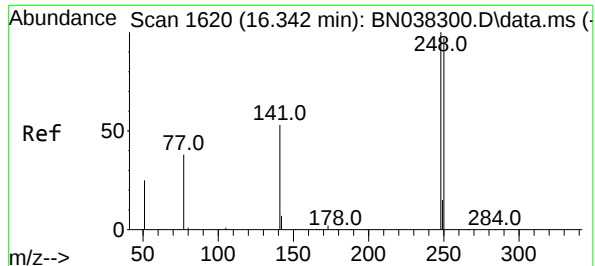
Ion Ratio Lower Upper

198 100

51 64.3 86.3 129.5#

105 39.4 45.3 67.9#





#21

4-Bromophenyl-phenylether

Concen: 0.785 ng

RT: 16.342 min Scan# 1620

Delta R.T. -0.000 min

Lab File: BN038301.D

Acq: 10 Dec 2025 11:41

Instrument :

BNA_N

ClientSampleId :

SSTDICC0.8

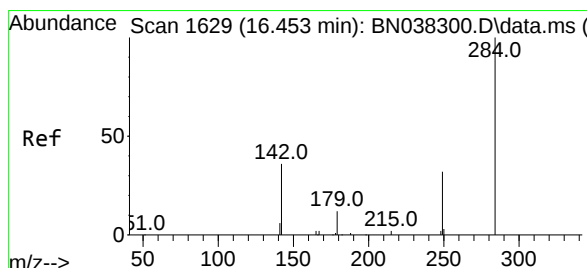
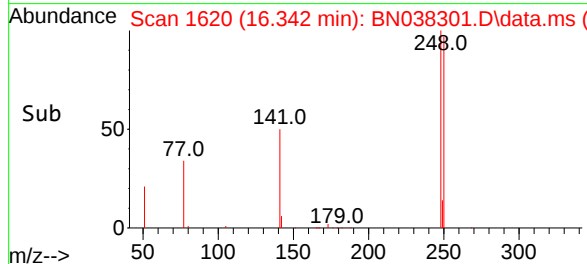
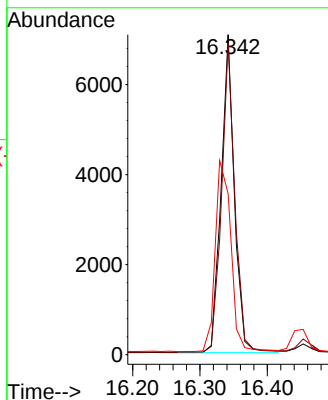
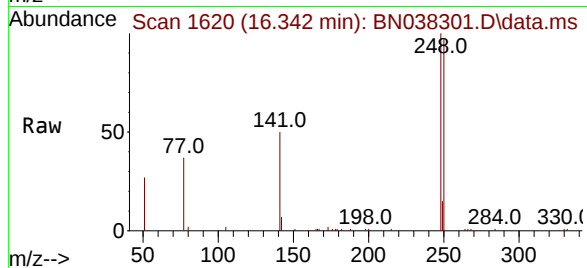
Tgt Ion:248 Resp: 9669

Ion Ratio Lower Upper

248 100

250 97.4 78.2 117.2

141 50.4 43.7 65.5



#22

Hexachlorobenzene

Concen: 0.786 ng

RT: 16.453 min Scan# 1629

Delta R.T. -0.012 min

Lab File: BN038301.D

Acq: 10 Dec 2025 11:41

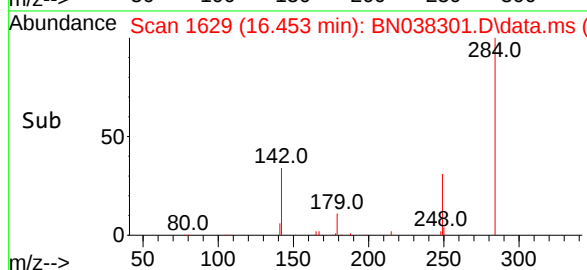
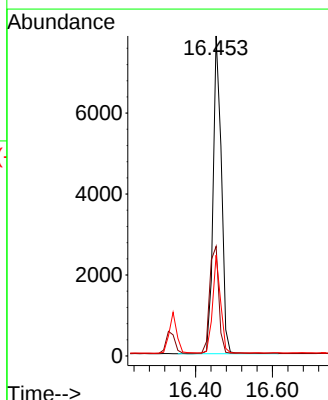
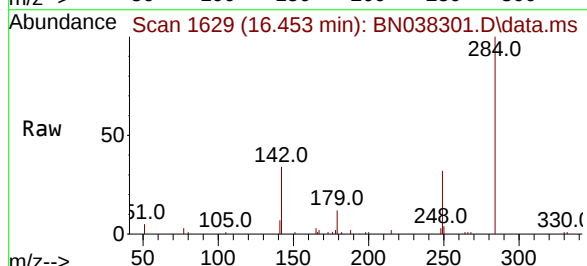
Tgt Ion:284 Resp: 11634

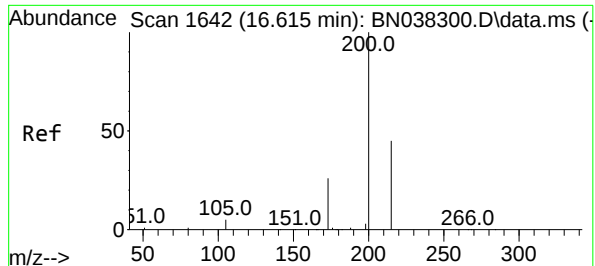
Ion Ratio Lower Upper

284 100

142 37.3 29.5 44.3

249 29.4 23.7 35.5

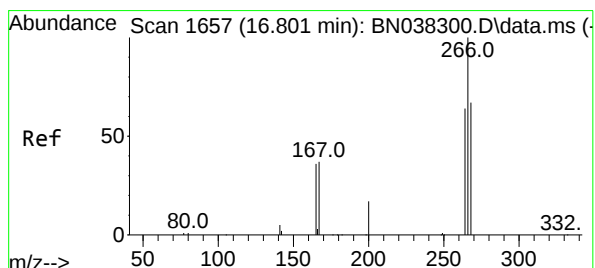
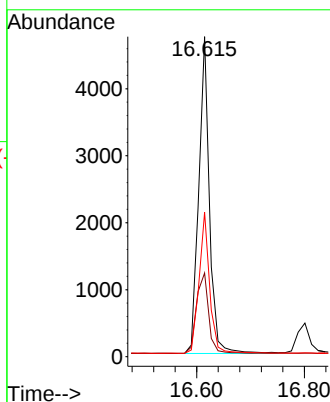
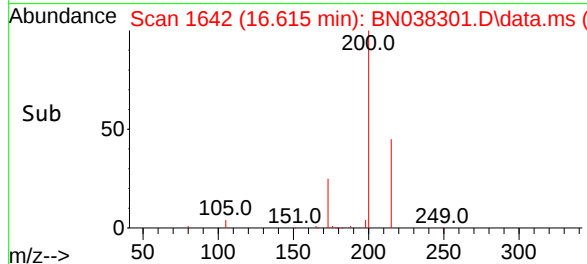
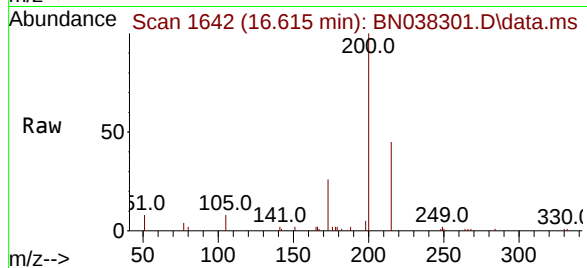




#23
Atrazine
Concen: 0.778 ng
RT: 16.615 min Scan# 1642
Delta R.T. -0.000 min
Lab File: BN038301.D
Acq: 10 Dec 2025 11:41

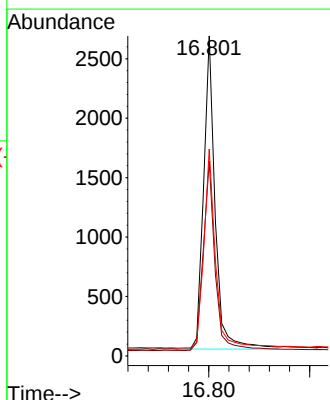
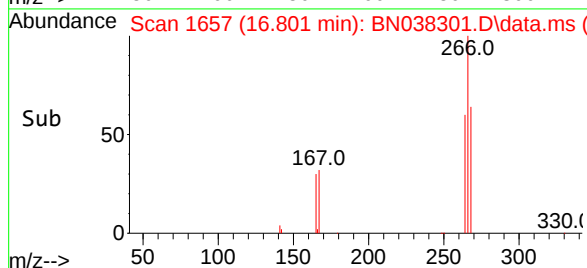
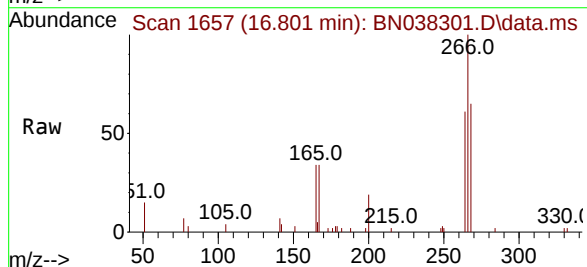
Instrument :
BNA_N
ClientSampleId :
SSTDICC0.8

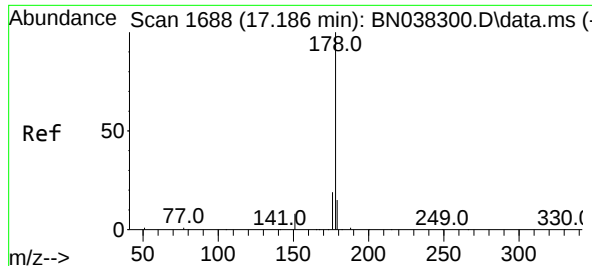
Tgt Ion	Ratio	Lower	Upper
200	100		
173	26.2	22.1	33.1
215	45.1	37.4	56.2



#24
Pentachlorophenol
Concen: 0.727 ng
RT: 16.801 min Scan# 1657
Delta R.T. -0.000 min
Lab File: BN038301.D
Acq: 10 Dec 2025 11:41

Tgt Ion	Ratio	Lower	Upper
266	100		
264	62.0	50.2	75.2
268	64.3	52.6	78.8

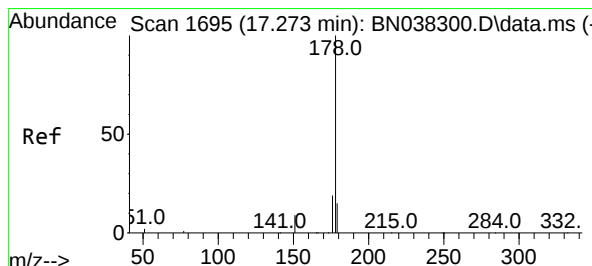
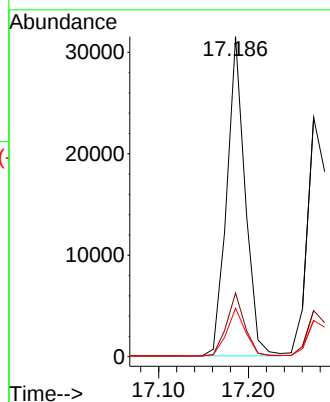
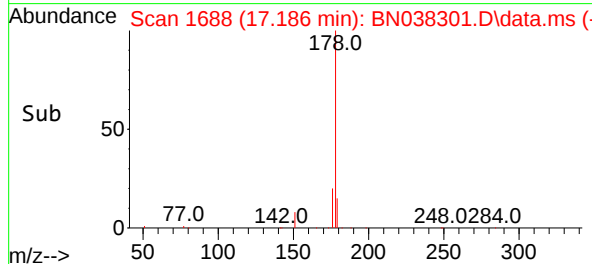
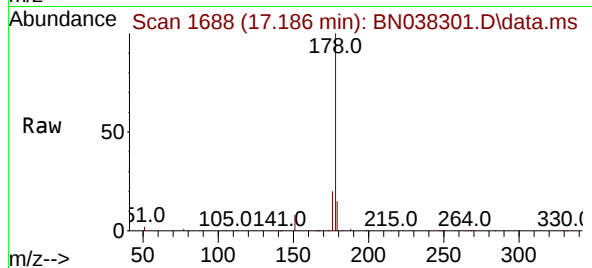




#25
Phenanthrene
Concen: 0.776 ng
RT: 17.186 min Scan# 1688
Delta R.T. -0.000 min
Lab File: BN038301.D
Acq: 10 Dec 2025 11:41

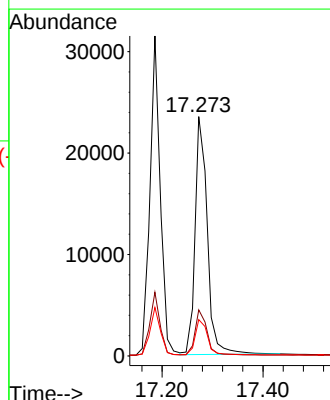
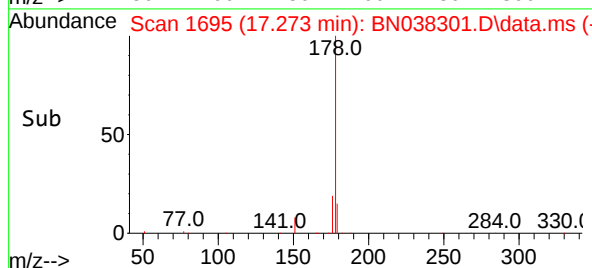
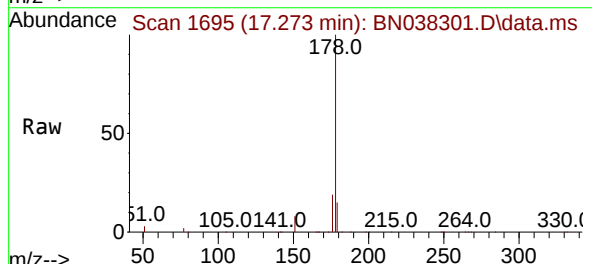
Instrument :
BNA_N
ClientSampleId :
SSTDICC0.8

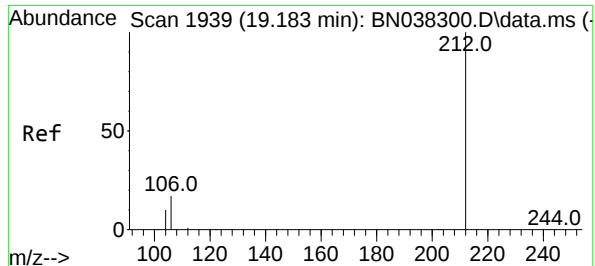
Tgt Ion:178 Resp: 44807
Ion Ratio Lower Upper
178 100
176 19.5 15.5 23.3
179 15.2 12.2 18.2



#26
Anthracene
Concen: 0.793 ng
RT: 17.273 min Scan# 1695
Delta R.T. -0.012 min
Lab File: BN038301.D
Acq: 10 Dec 2025 11:41

Tgt Ion:178 Resp: 39515
Ion Ratio Lower Upper
178 100
176 18.7 15.1 22.7
179 15.2 12.0 18.0





#27

Fluoranthene-d10

Concen: 0.795 ng

RT: 19.183 min Scan# 1939

Delta R.T. -0.005 min

Lab File: BN038301.D

Acq: 10 Dec 2025 11:41

Instrument :

BNA_N

ClientSampleId :

SSTDICC0.8

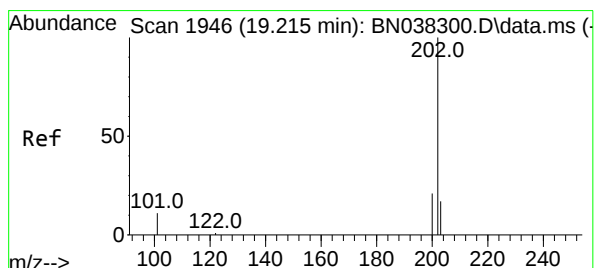
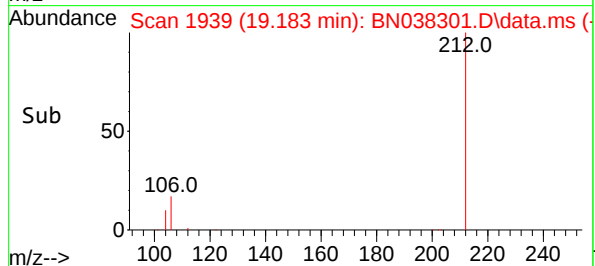
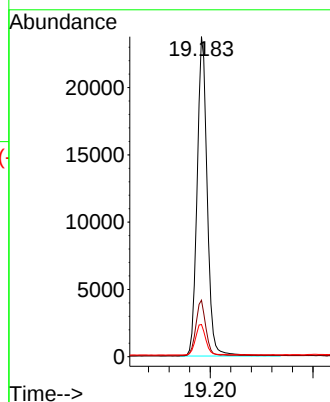
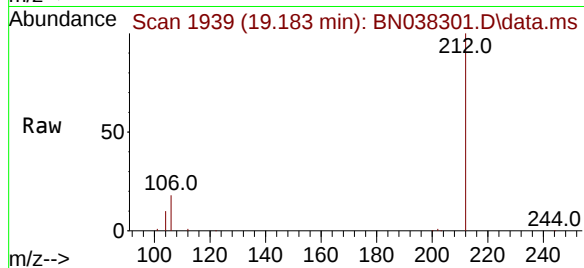
Tgt Ion:212 Resp: 32647

Ion Ratio Lower Upper

212 100

106 17.2 13.7 20.5

104 9.7 7.8 11.8



#28

Fluoranthene

Concen: 0.792 ng

RT: 19.215 min Scan# 1946

Delta R.T. -0.005 min

Lab File: BN038301.D

Acq: 10 Dec 2025 11:41

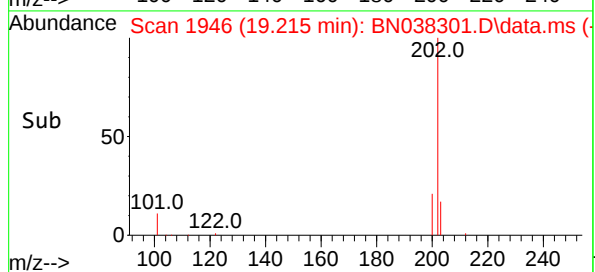
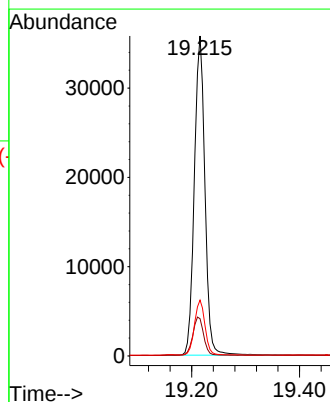
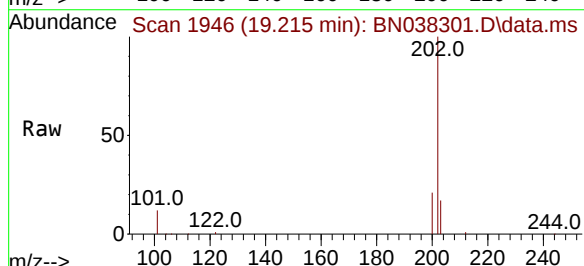
Tgt Ion:202 Resp: 48652

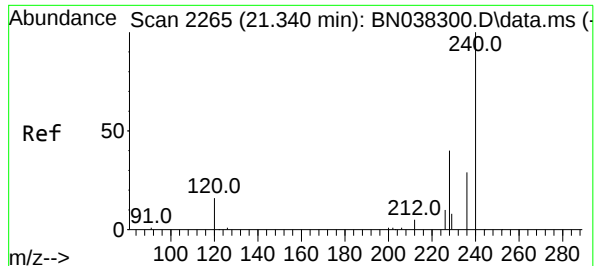
Ion Ratio Lower Upper

202 100

101 12.5 9.6 14.4

203 16.9 13.5 20.3





#29

Chrysene-d12

Concen: 0.400 ng

RT: 21.340 min Scan# 21

Delta R.T. -0.000 min

Lab File: BN038301.D

Acq: 10 Dec 2025 11:41

Instrument :

BNA_N

ClientSampleId :

SSTDICC0.8

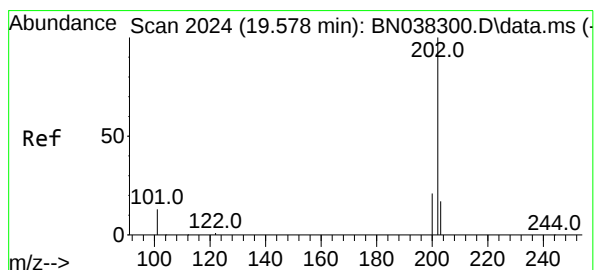
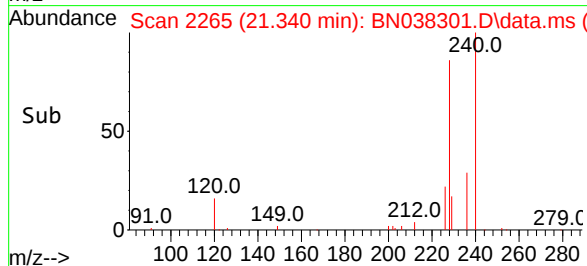
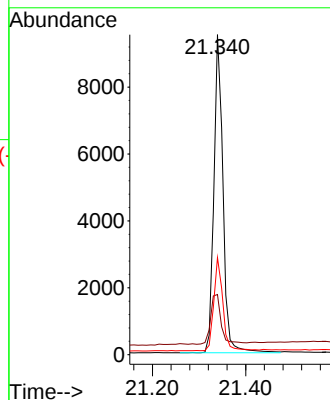
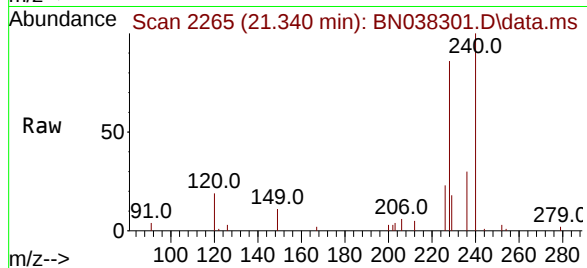
Tgt Ion:240 Resp: 12910

Ion Ratio Lower Upper

240 100

120 18.8 15.4 23.2

236 30.3 23.9 35.9



#30

Pyrene

Concen: 0.776 ng

RT: 19.578 min Scan# 2024

Delta R.T. -0.005 min

Lab File: BN038301.D

Acq: 10 Dec 2025 11:41

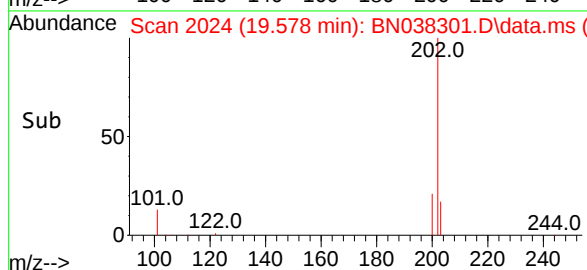
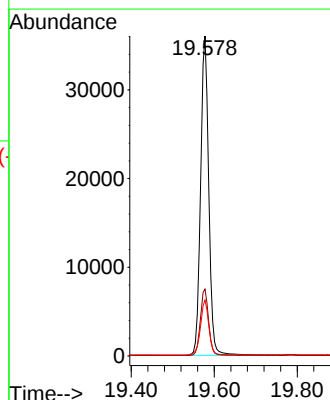
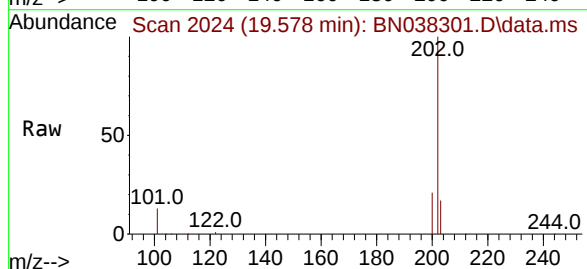
Tgt Ion:202 Resp: 49288

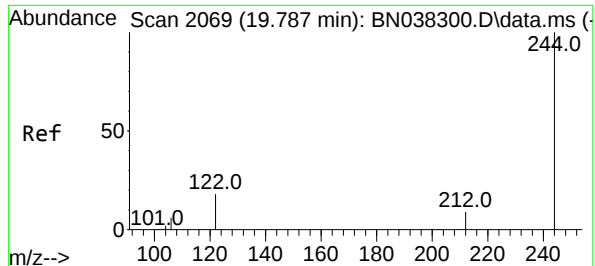
Ion Ratio Lower Upper

202 100

200 21.0 16.9 25.3

203 17.6 14.2 21.2

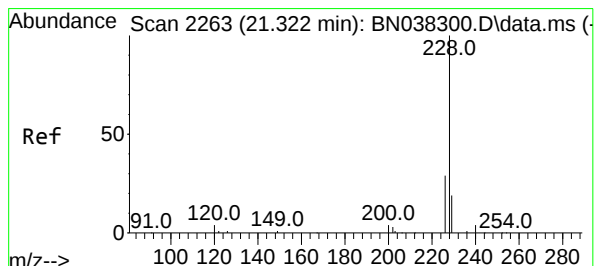
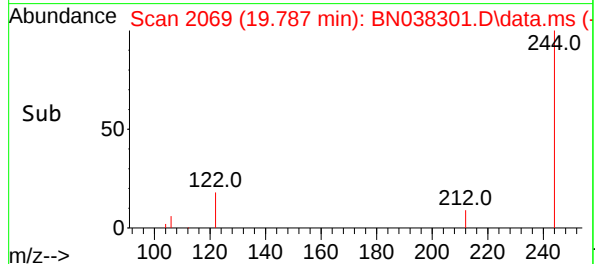
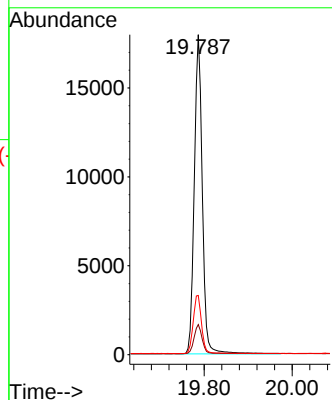
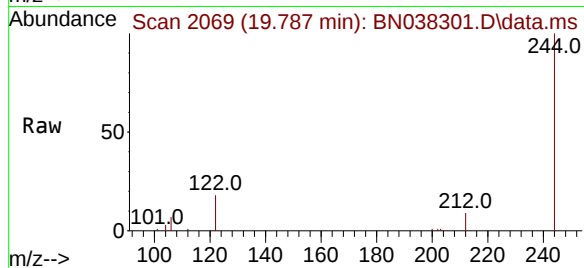




#31
Terphenyl-d14
Concen: 0.789 ng
RT: 19.787 min Scan# 2069
Delta R.T. -0.005 min
Lab File: BN038301.D
Acq: 10 Dec 2025 11:41

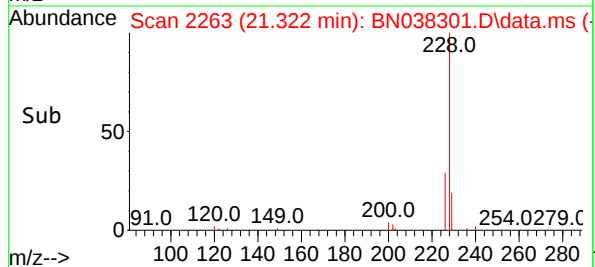
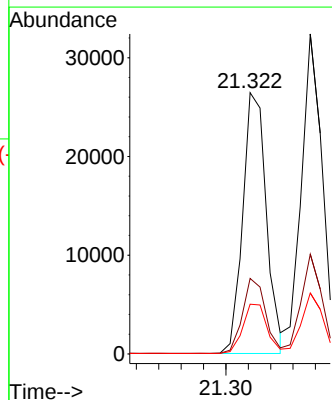
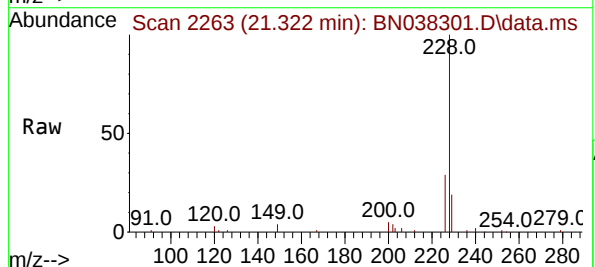
Instrument :
BNA_N
ClientSampleId :
SSTDICC0.8

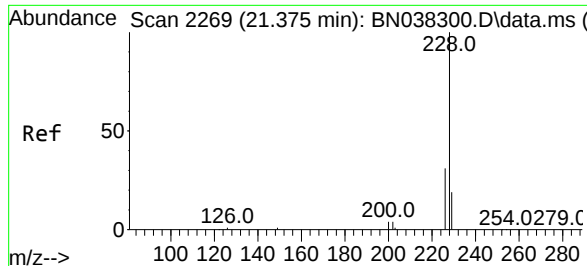
Tgt Ion:244 Resp: 22718
Ion Ratio Lower Upper
244 100
212 9.4 7.9 11.9
122 18.5 15.0 22.6



#32
Benzo(a)anthracene
Concen: 0.777 ng
RT: 21.322 min Scan# 2263
Delta R.T. -0.009 min
Lab File: BN038301.D
Acq: 10 Dec 2025 11:41

Tgt Ion:228 Resp: 38762
Ion Ratio Lower Upper
228 100
226 28.9 23.3 34.9
229 19.1 15.7 23.5





#33

Chrysene

Concen: 0.804 ng

RT: 21.375 min Scan# 21

Delta R.T. -0.000 min

Lab File: BN038301.D

Acq: 10 Dec 2025 11:41

Instrument :

BNA_N

ClientSampleId :

SSTDICC0.8

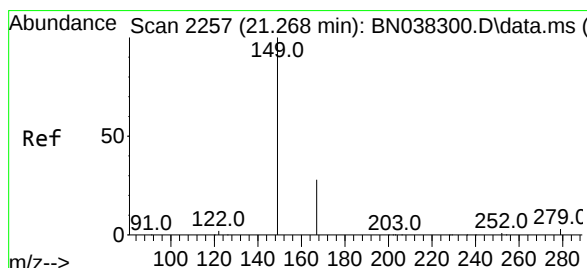
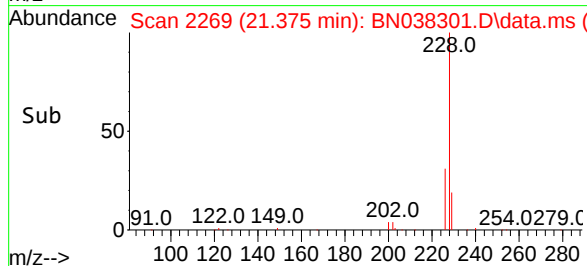
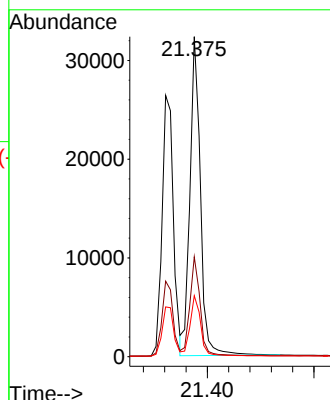
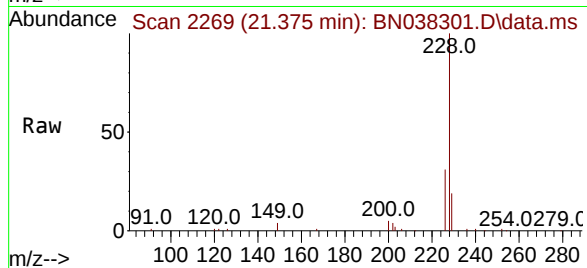
Tgt Ion:228 Resp: 44128

Ion Ratio Lower Upper

228 100

226 31.2 25.0 37.4

229 19.1 15.5 23.3



#34

Bis(2-ethylhexyl)phthalate

Concen: 0.735 ng

RT: 21.268 min Scan# 2257

Delta R.T. -0.000 min

Lab File: BN038301.D

Acq: 10 Dec 2025 11:41

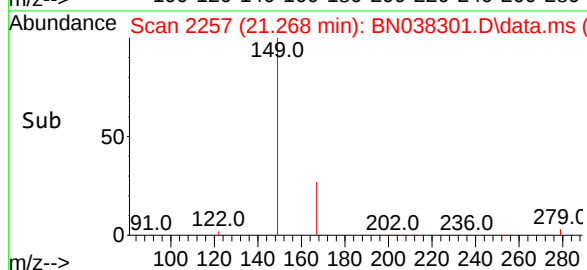
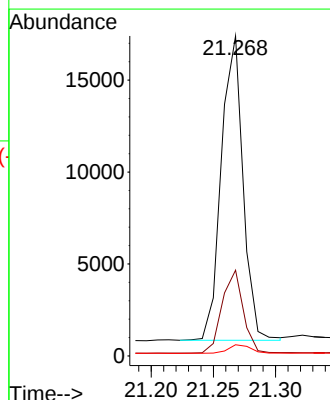
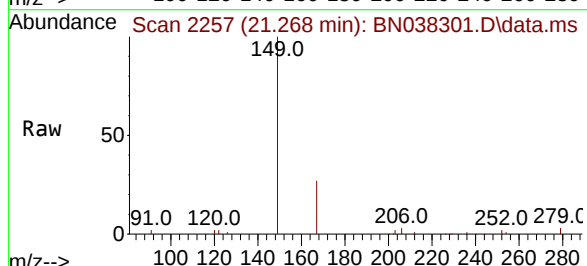
Tgt Ion:149 Resp: 20109

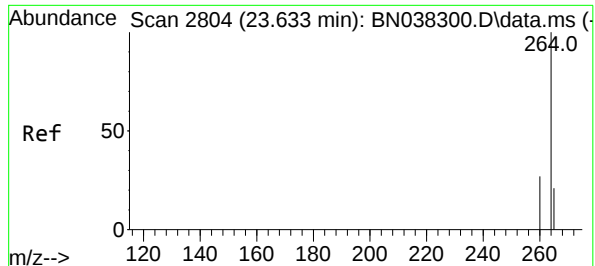
Ion Ratio Lower Upper

149 100

167 26.7 21.4 32.0

279 3.1 2.4 3.6





#35

Perylene-d12

Concen: 0.400 ng

RT: 23.633 min Scan# 21

Delta R.T. -0.000 min

Lab File: BN038301.D

Acq: 10 Dec 2025 11:41

Instrument :

BNA_N

ClientSampleId :

SSTDICC0.8

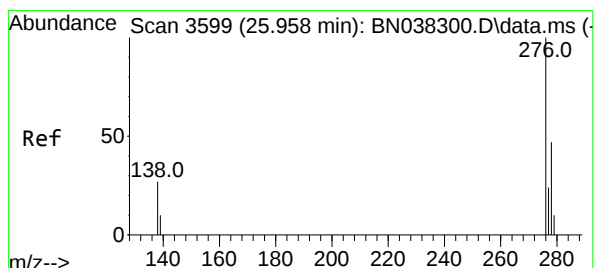
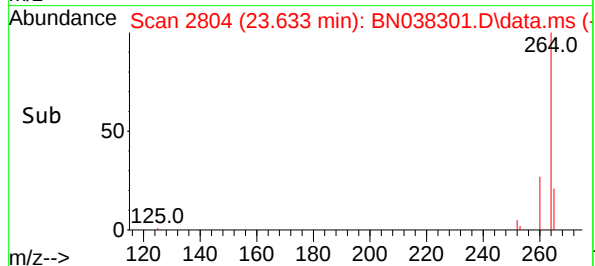
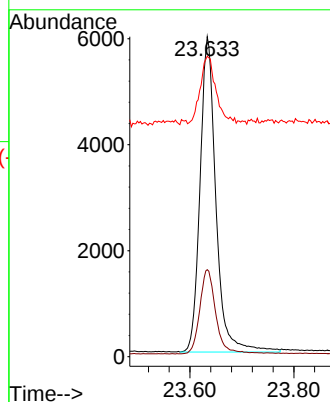
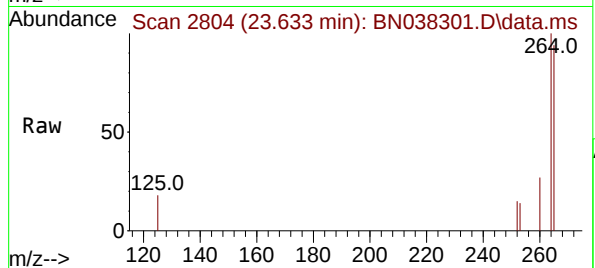
Tgt Ion:264 Resp: 12619

Ion Ratio Lower Upper

264 100

260 27.2 22.2 33.2

265 93.9 80.2 120.2



#36

Indeno(1,2,3-cd)pyrene

Concen: 0.798 ng

RT: 25.960 min Scan# 3600

Delta R.T. -0.003 min

Lab File: BN038301.D

Acq: 10 Dec 2025 11:41

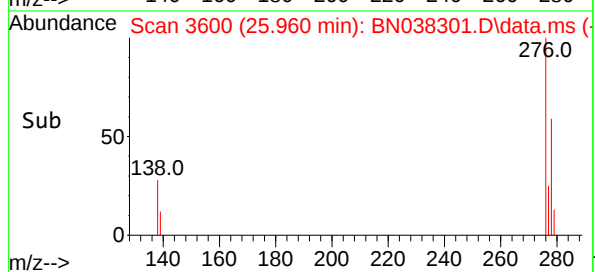
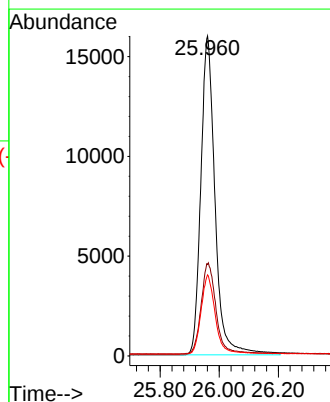
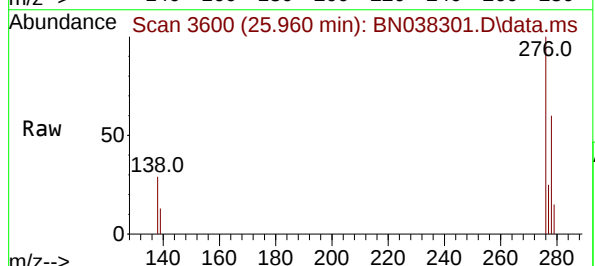
Tgt Ion:276 Resp: 53409

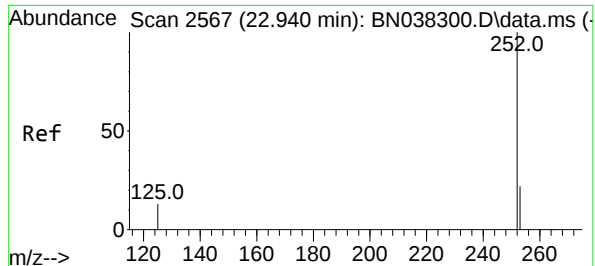
Ion Ratio Lower Upper

276 100

138 29.7 23.6 35.4

277 24.4 19.7 29.5





#37

Benzo(b)fluoranthene

Concen: 0.773 ng

RT: 22.940 min Scan# 2567

Delta R.T. -0.006 min

Lab File: BN038301.D

Acq: 10 Dec 2025 11:41

Instrument :

BNA_N

ClientSampleId :

SSTDICC0.8

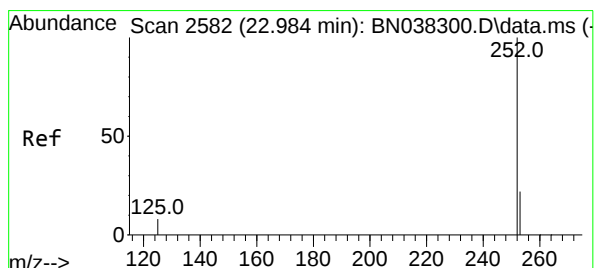
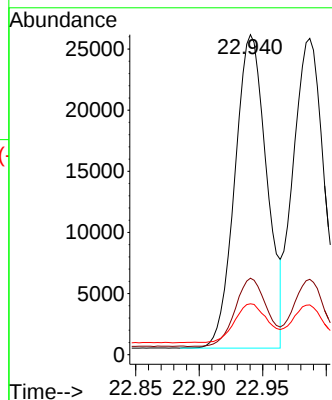
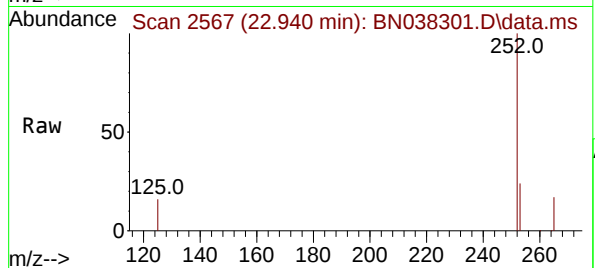
Tgt Ion:252 Resp: 44814

Ion Ratio Lower Upper

252 100

253 23.9 21.1 31.7

125 15.9 16.4 24.6#



#38

Benzo(k)fluoranthene

Concen: 0.791 ng

RT: 22.987 min Scan# 2583

Delta R.T. -0.003 min

Lab File: BN038301.D

Acq: 10 Dec 2025 11:41

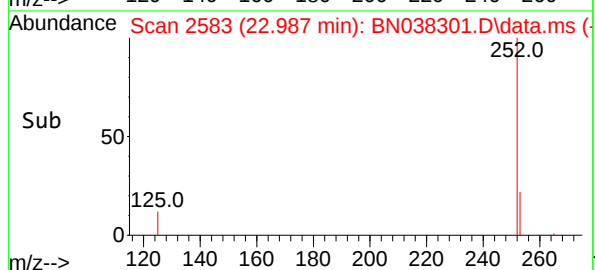
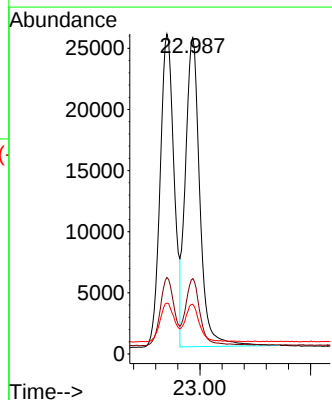
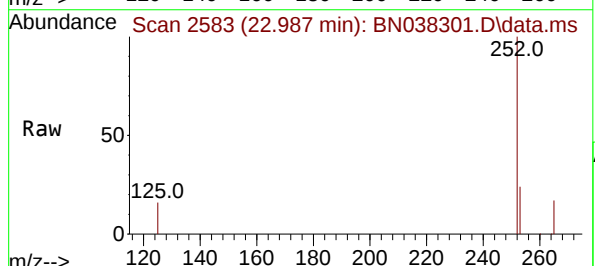
Tgt Ion:252 Resp: 45726

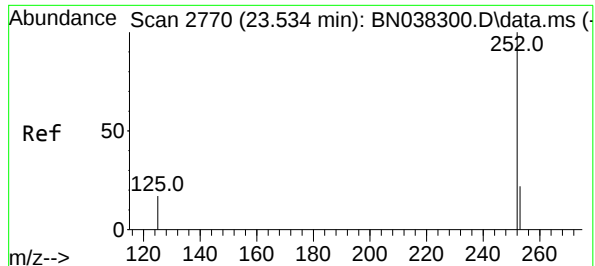
Ion Ratio Lower Upper

252 100

253 23.8 21.4 32.0

125 15.7 16.2 24.2#





#39

Benzo(a)pyrene

Concen: 0.776 ng

RT: 23.531 min Scan# 21

Delta R.T. -0.003 min

Lab File: BN038301.D

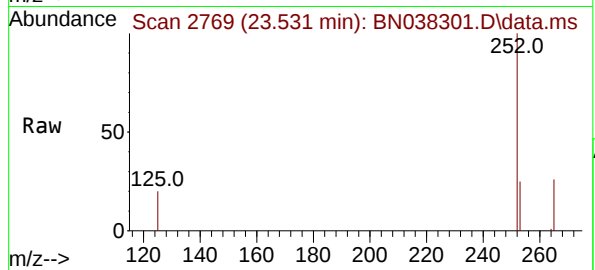
Acq: 10 Dec 2025 11:41

Instrument :

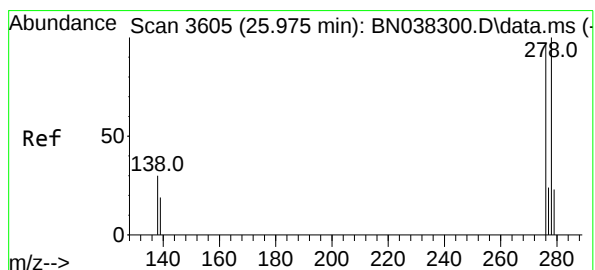
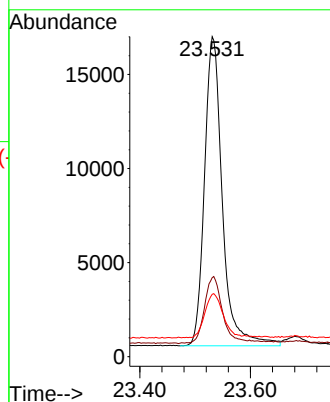
BNA_N

ClientSampleId :

SSTDICC0.8



Tgt Ion:	252	Resp:	36830
Ion Ratio	Lower	Upper	
252	100		
253	24.7	23.3	34.9
125	19.5	22.4	33.6#



#40

Dibenzo(a,h)anthracene

Concen: 0.794 ng

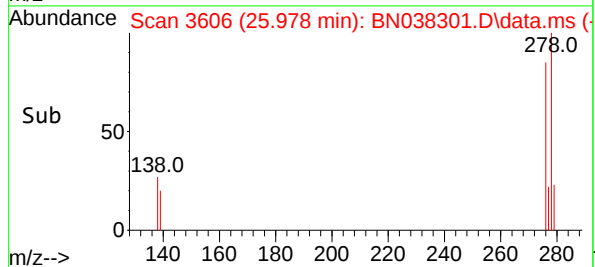
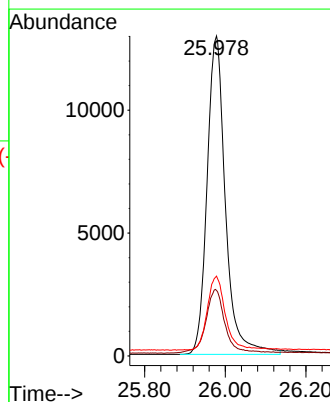
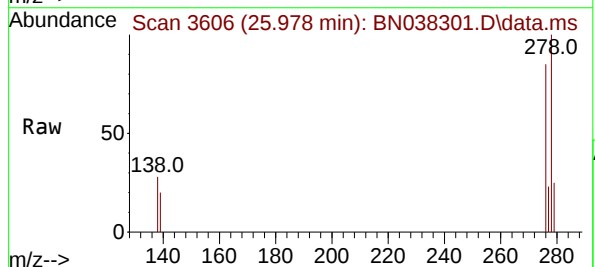
RT: 25.978 min Scan# 3606

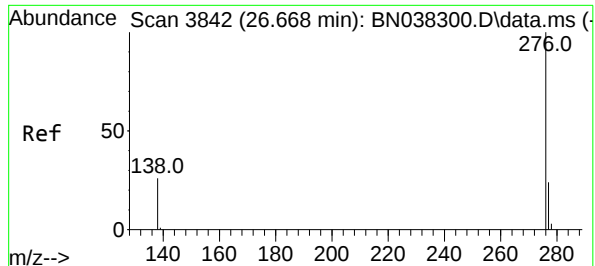
Delta R.T. -0.003 min

Lab File: BN038301.D

Acq: 10 Dec 2025 11:41

Tgt Ion:	278	Resp:	40988
Ion Ratio	Lower	Upper	
278	100		
139	20.5	17.8	26.8
279	25.0	21.3	31.9





#41

Benzo(g,h,i)perylene

Concen: 0.790 ng

RT: 26.668 min Scan# 3842

Delta R.T. -0.009 min

Lab File: BN038301.D

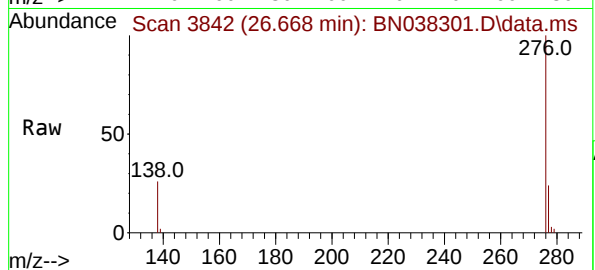
Acq: 10 Dec 2025 11:41

Instrument :

BNA_N

ClientSampleId :

SSTDICC0.8



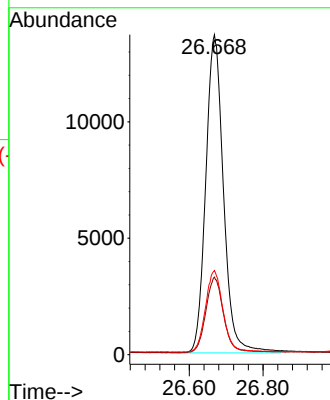
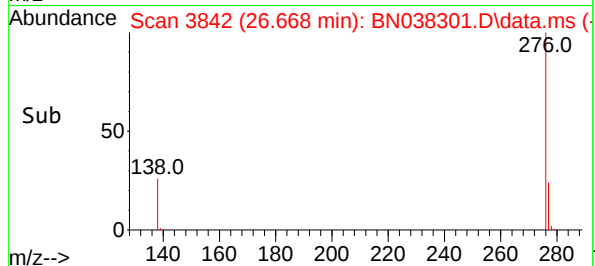
Tgt Ion:276 Resp: 45587

Ion Ratio Lower Upper

276 100

277 24.3 20.0 30.0

138 26.3 21.8 32.6



Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN121025\
 Data File : BN038302.D
 Acq On : 10 Dec 2025 12:17
 Operator : RC/JU
 Sample : SSTDICC1.6
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 SSTDICC1.6

Quant Time: Dec 10 14:00:15 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN121025.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Dec 10 13:56:50 2025
 Response via : Initial Calibration

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

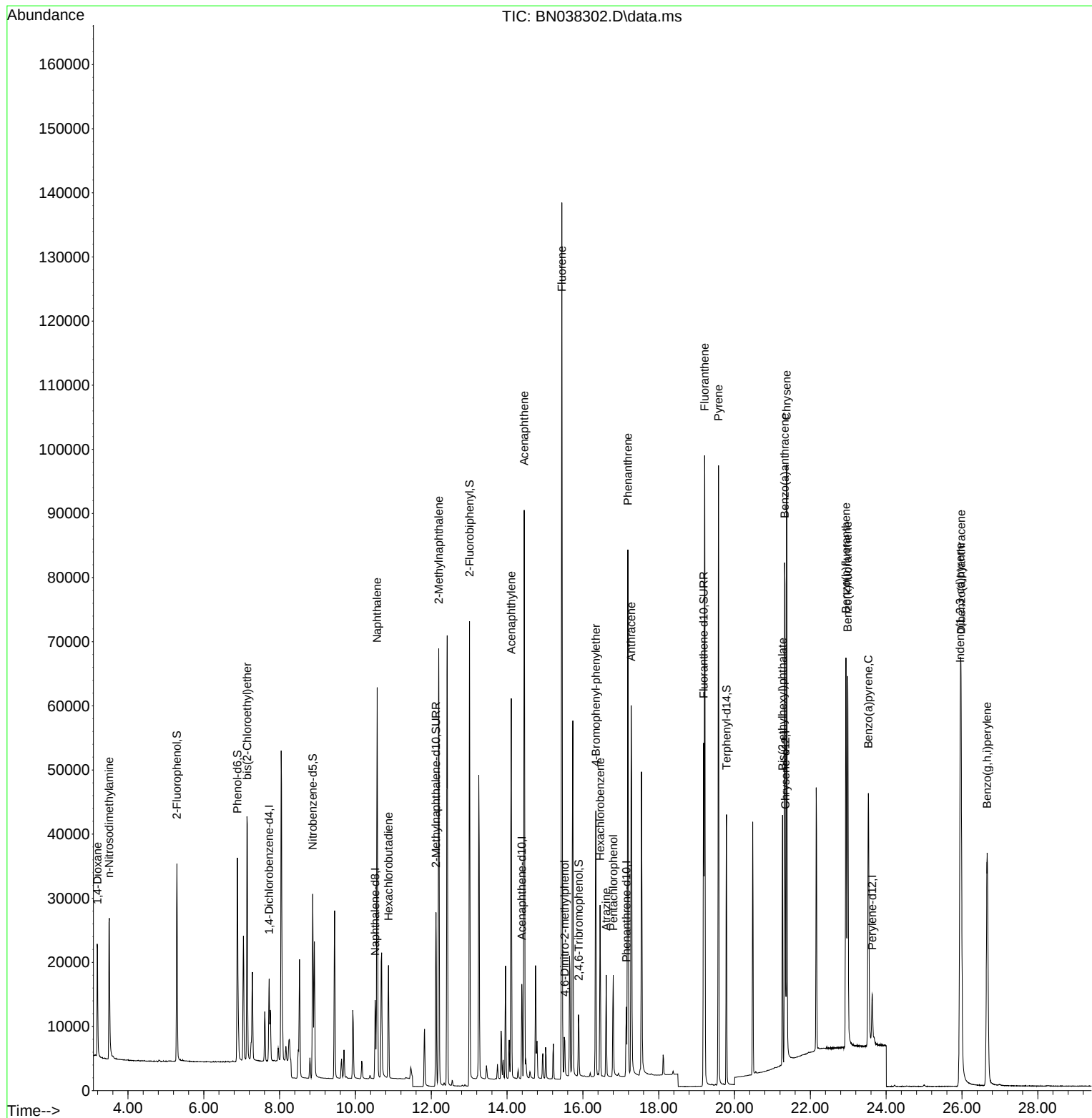
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.724	152	6263	0.400	ng	0.00
7) Naphthalene-d8	10.520	136	16493	0.400	ng	#-0.01
13) Acenaphthene-d10	14.388	164	8387	0.400	ng	-0.01
19) Phenanthrene-d10	17.149	188	14601	0.400	ng	0.00
29) Chrysene-d12	21.340	240	11383	0.400	ng	0.00
35) Perylene-d12	23.630	264	10679	0.400	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.291	112	24513	1.572	ng	0.00
5) Phenol-d6	6.887	99	29702	1.602	ng	0.00
8) Nitrobenzene-d5	8.875	82	22047	1.585	ng	0.00
11) 2-Methylnaphthalene-d10	12.126	152	36899	1.586	ng	0.00
14) 2,4,6-Tribromophenol	15.895	330	5860	1.575	ng	0.00
15) 2-Fluorobiphenyl	13.009	172	62872	1.556	ng	0.00
27) Fluoranthene-d10	19.183	212	57448	1.591	ng	0.00
31) Terphenyl-d14	19.787	244	39298	1.547	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	3.196	88	11066	1.541	ng	99
3) n-Nitrosodimethylamine	3.499	42	14375	1.597	ng	# 98
6) bis(2-Chloroethyl)ether	7.147	93	28668	1.580	ng	99
9) Naphthalene	10.573	128	76464	1.568	ng	99
10) Hexachlorobutadiene	10.872	225	13520	1.560	ng	# 100
12) 2-Methylnaphthalene	12.197	142	49274	1.592	ng	99
16) Acenaphthylene	14.110	152	64734	1.572	ng	100
17) Acenaphthene	14.452	154	45547	1.587	ng	98
18) Fluorene	15.446	166	57951	1.570	ng	99
20) 4,6-Dinitro-2-methylph...	15.523	198	4052	1.687	ng	# 51
21) 4-Bromophenyl-phenylether	16.342	248	17091	1.578	ng	99
22) Hexachlorobenzene	16.454	284	20250	1.555	ng	100
23) Atrazine	16.615	200	11669	1.579	ng	98
24) Pentachlorophenol	16.801	266	7830	1.541	ng	99
25) Phenanthrene	17.186	178	79019	1.555	ng	100
26) Anthracene	17.273	178	69628	1.589	ng	100
28) Fluoranthene	19.211	202	86039	1.593	ng	99
30) Pyrene	19.578	202	86035	1.535	ng	100
32) Benzo(a)anthracene	21.322	228	68895	1.567	ng	98
33) Chrysene	21.375	228	76200	1.574	ng	99
34) Bis(2-ethylhexyl)phtha...	21.268	149	34320	1.423	ng	99
36) Indeno(1,2,3-cd)pyrene	25.955	276	90364	1.595	ng	100
37) Benzo(b)fluoranthene	22.940	252	78044	1.591	ng	# 90
38) Benzo(k)fluoranthene	22.984	252	77879	1.593	ng	# 90
39) Benzo(a)pyrene	23.531	252	63182	1.574	ng	# 85
40) Dibenzo(a,h)anthracene	25.975	278	70529	1.614	ng	96
41) Benzo(g,h,i)perylene	26.665	276	77643	1.590	ng	97

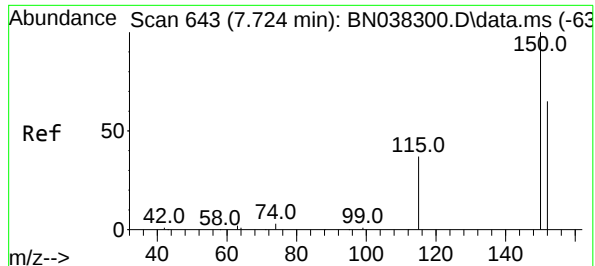
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN121025\
 Data File : BN038302.D
 Acq On : 10 Dec 2025 12:17
 Operator : RC/JU
 Sample : SSTDICC1.6
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 SSTDICC1.6

Quant Time: Dec 10 14:00:15 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN121025.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Dec 10 13:56:50 2025
 Response via : Initial Calibration

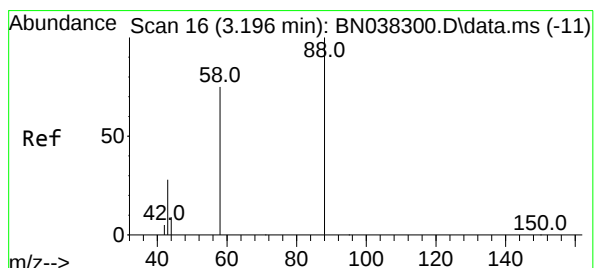
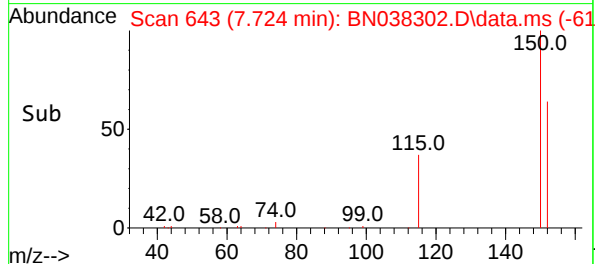
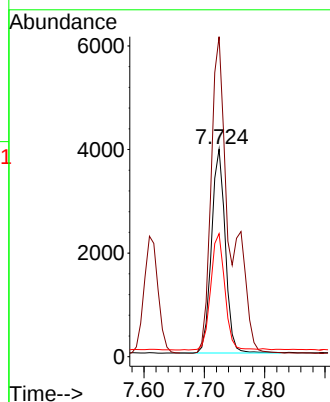
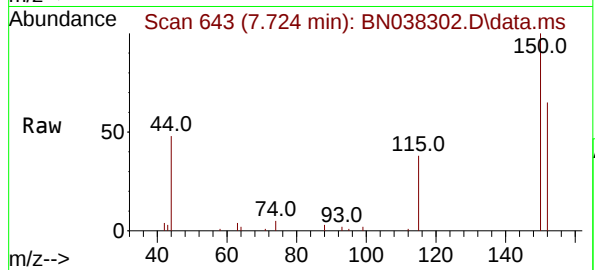




#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.724 min Scan# 64
Delta R.T. 0.000 min
Lab File: BN038302.D
Acq: 10 Dec 2025 12:17

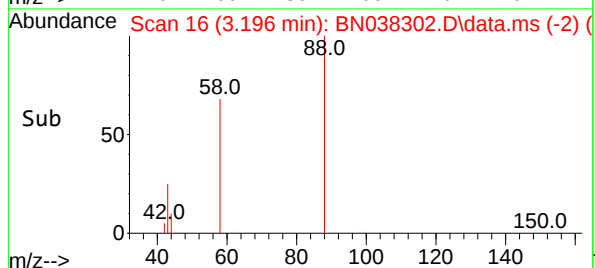
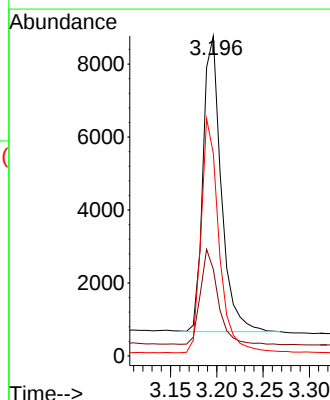
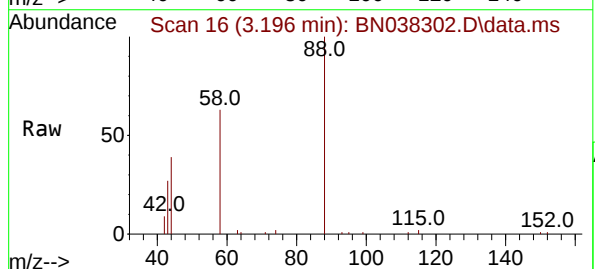
Instrument :
BNA_N
ClientSampleId :
SSTDICC1.6

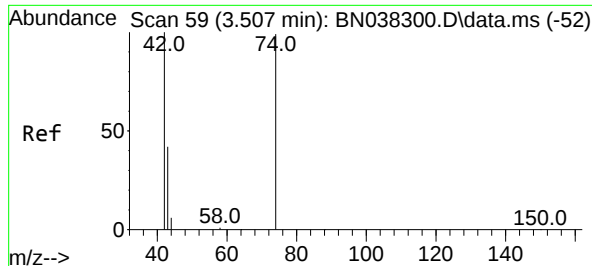
Tgt Ion:152 Resp: 6263
Ion Ratio Lower Upper
152 100
150 154.1 122.4 183.6
115 59.3 47.3 70.9



#2
1,4-Dioxane
Concen: 1.541 ng
RT: 3.196 min Scan# 16
Delta R.T. 0.000 min
Lab File: BN038302.D
Acq: 10 Dec 2025 12:17

Tgt Ion: 88 Resp: 11066
Ion Ratio Lower Upper
88 100
43 31.3 24.9 37.3
58 78.2 61.4 92.0

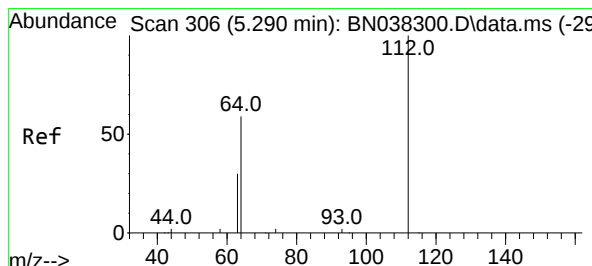
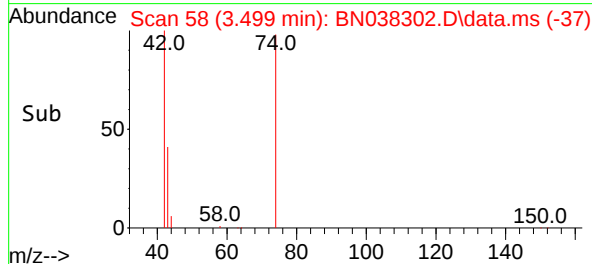
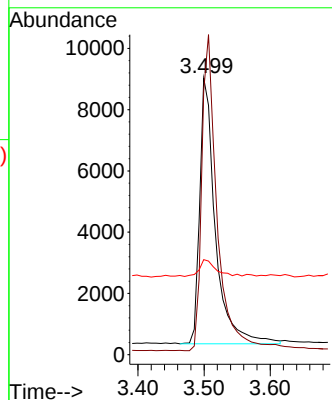
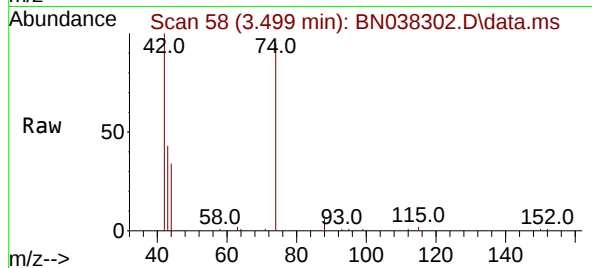




#3
n-Nitrosodimethylamine
Concen: 1.597 ng
RT: 3.499 min Scan# 51
Delta R.T. 0.000 min
Lab File: BN038302.D
Acq: 10 Dec 2025 12:17

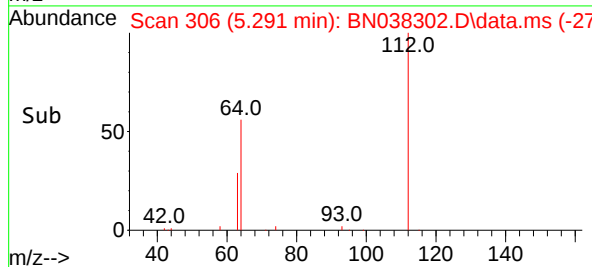
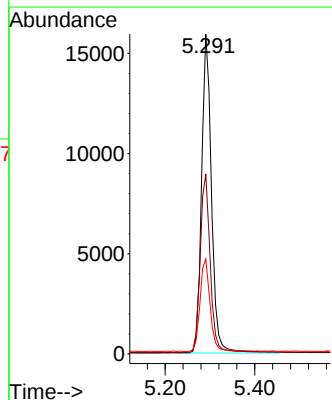
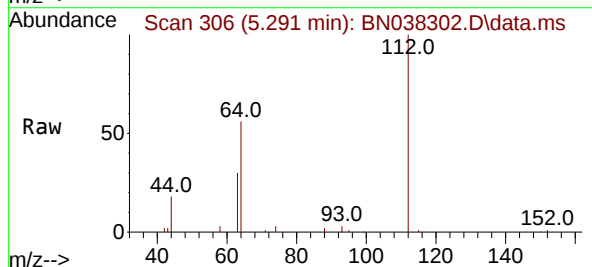
Instrument :
BNA_N
ClientSampleId :
SSTDICC1.6

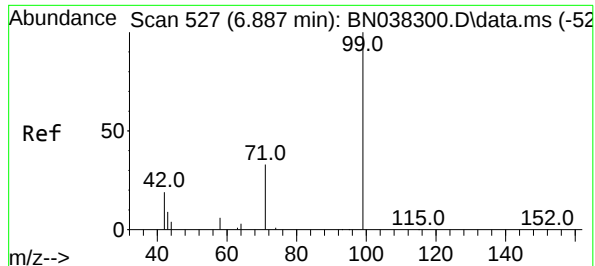
Tgt Ion: 42 Resp: 14375
Ion Ratio Lower Upper
42 100
74 117.5 95.3 142.9
44 6.5 7.9 11.9#



#4
2-Fluorophenol
Concen: 1.572 ng
RT: 5.291 min Scan# 306
Delta R.T. 0.000 min
Lab File: BN038302.D
Acq: 10 Dec 2025 12:17

Tgt Ion: 112 Resp: 24513
Ion Ratio Lower Upper
112 100
64 56.8 44.4 66.6
63 29.7 23.4 35.0

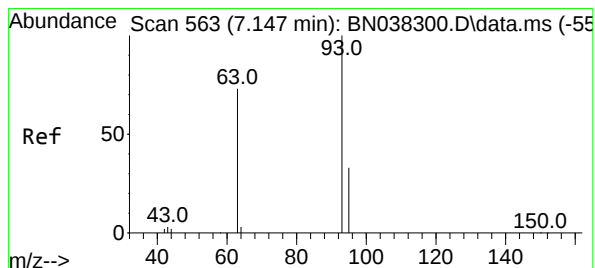
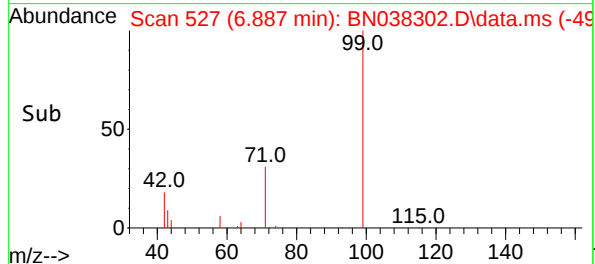
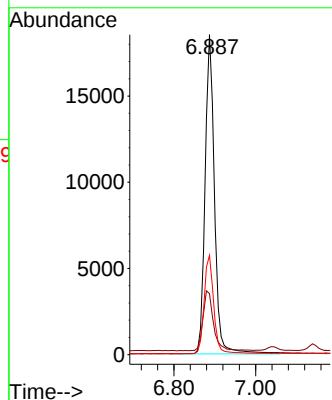
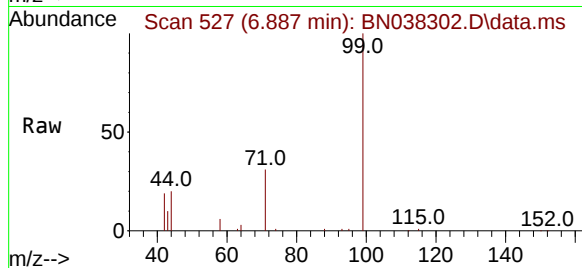




#5
Phenol-d6
Concen: 1.602 ng
RT: 6.887 min Scan# 51
Delta R.T. 0.000 min
Lab File: BN038302.D
Acq: 10 Dec 2025 12:17

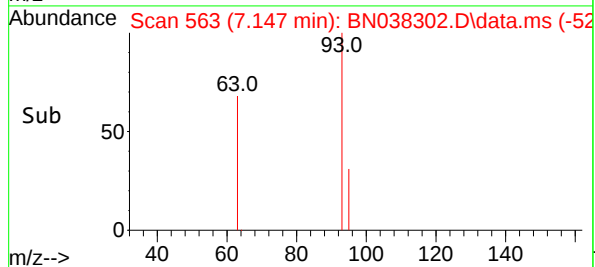
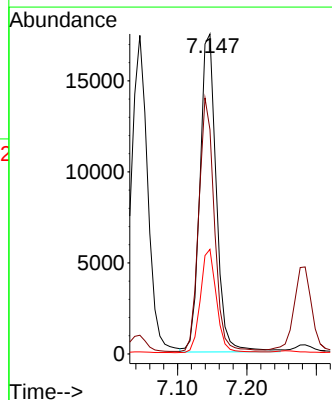
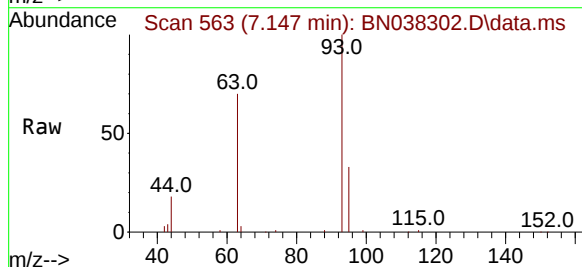
Instrument :
BNA_N
ClientSampleId :
SSTDICC1.6

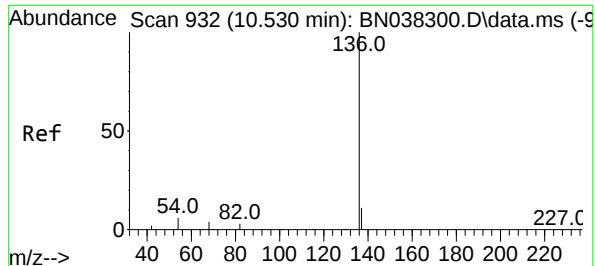
Tgt Ion: 99 Resp: 29702
Ion Ratio Lower Upper
99 100
42 21.2 16.5 24.7
71 31.6 24.9 37.3



#6
bis(2-Chloroethyl)ether
Concen: 1.580 ng
RT: 7.147 min Scan# 563
Delta R.T. 0.000 min
Lab File: BN038302.D
Acq: 10 Dec 2025 12:17

Tgt Ion: 93 Resp: 28668
Ion Ratio Lower Upper
93 100
63 75.5 59.2 88.8
95 31.9 25.2 37.8

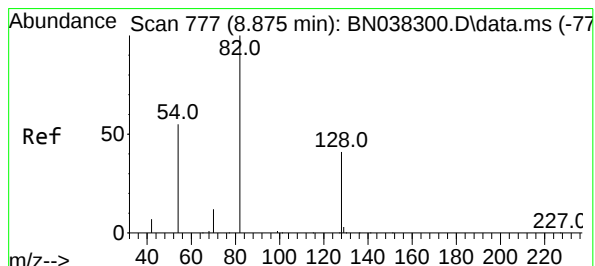
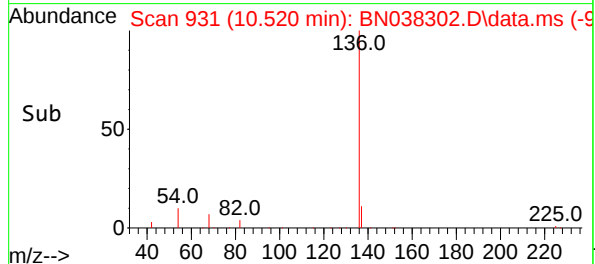
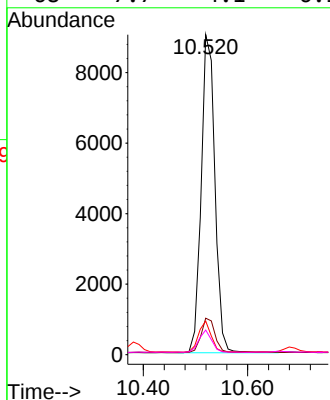
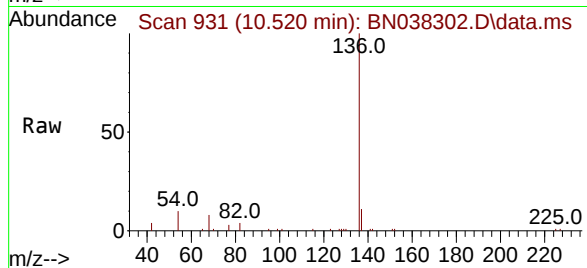




#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.520 min Scan# 91
Delta R.T. -0.011 min
Lab File: BN038302.D
Acq: 10 Dec 2025 12:17

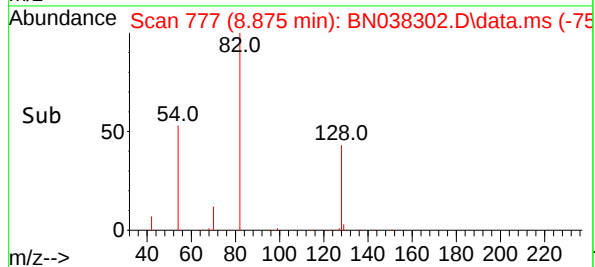
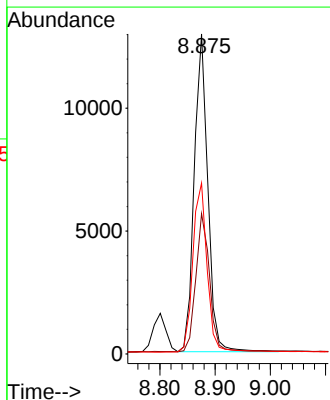
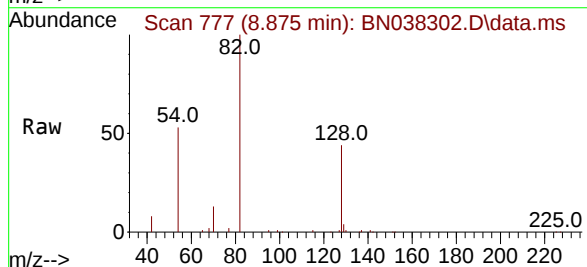
Instrument :
BNA_N
ClientSampleId :
SSTDICC1.6

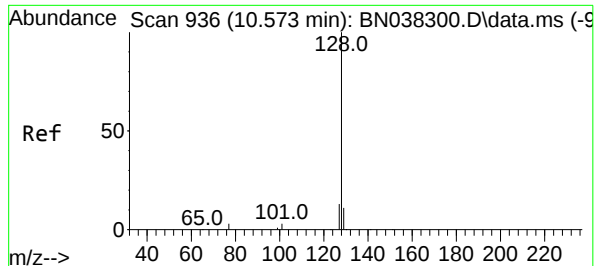
Tgt Ion:	136	Resp:	16493
Ion	Ratio	Lower	Upper
136	100		
137	11.4	9.1	13.7
54	10.5	5.2	7.8#
68	7.7	4.1	6.1#



#8
Nitrobenzene-d5
Concen: 1.585 ng
RT: 8.875 min Scan# 777
Delta R.T. 0.000 min
Lab File: BN038302.D
Acq: 10 Dec 2025 12:17

Tgt Ion:	82	Resp:	22047
Ion	Ratio	Lower	Upper
82	100		
128	43.9	34.0	51.0
54	53.4	44.4	66.6

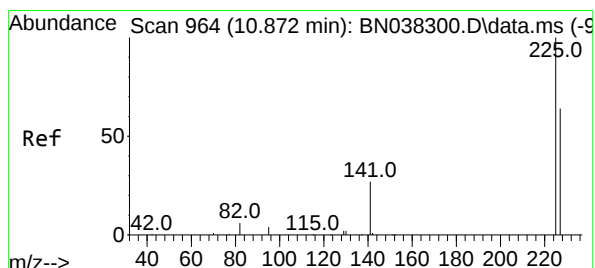
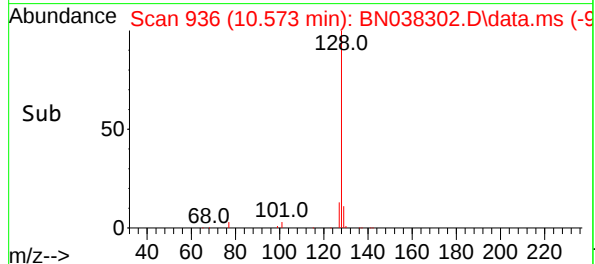
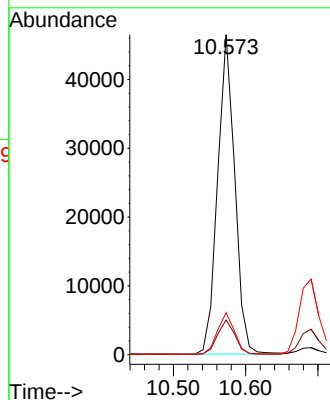
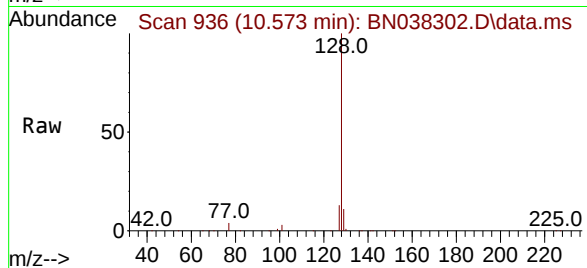




#9
Naphthalene
Concen: 1.568 ng
RT: 10.573 min Scan# 91
Delta R.T. 0.000 min
Lab File: BN038302.D
Acq: 10 Dec 2025 12:17

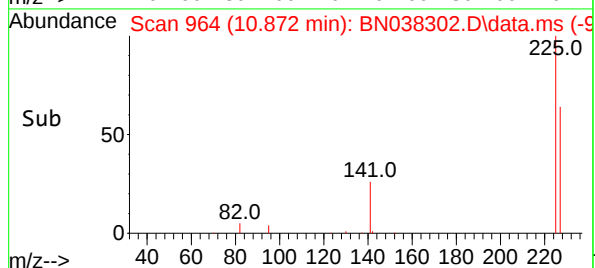
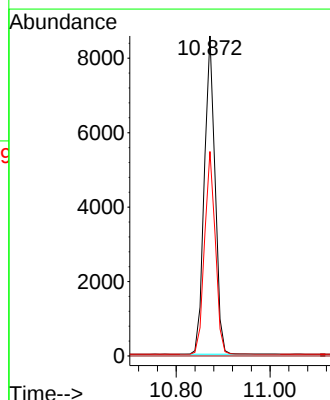
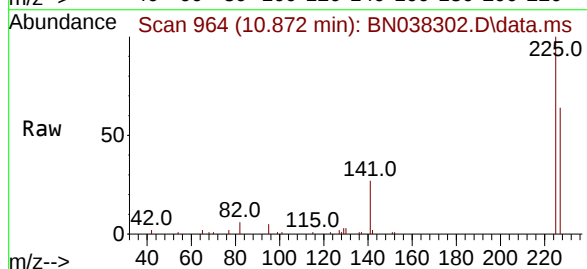
Instrument :
BNA_N
ClientSampleId :
SSTDICC1.6

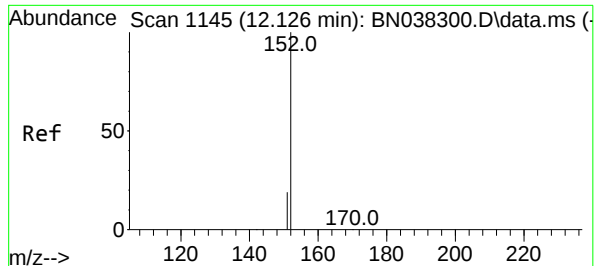
Tgt Ion:128 Resp: 76464
Ion Ratio Lower Upper
128 100
129 10.8 9.1 13.7
127 13.1 10.9 16.3



#10
Hexachlorobutadiene
Concen: 1.560 ng
RT: 10.872 min Scan# 964
Delta R.T. 0.000 min
Lab File: BN038302.D
Acq: 10 Dec 2025 12:17

Tgt Ion:225 Resp: 13520
Ion Ratio Lower Upper
225 100
223 0.0 0.0 0.0
227 64.0 51.2 76.8

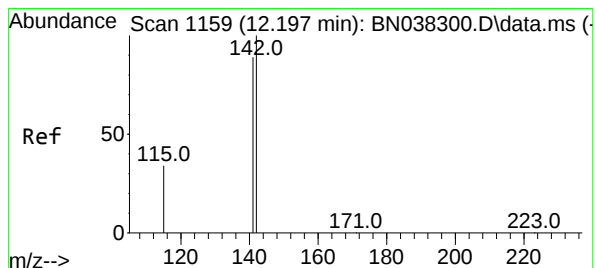
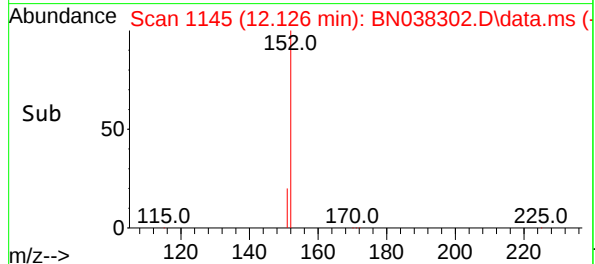
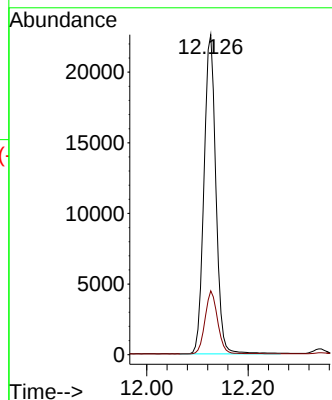
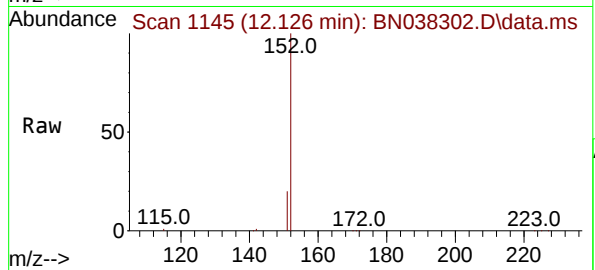




#11
2-Methylnaphthalene-d10
Concen: 1.586 ng
RT: 12.126 min Scan# 1145
Delta R.T. 0.000 min
Lab File: BN038302.D
Acq: 10 Dec 2025 12:17

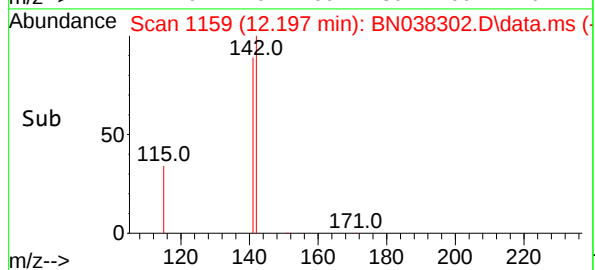
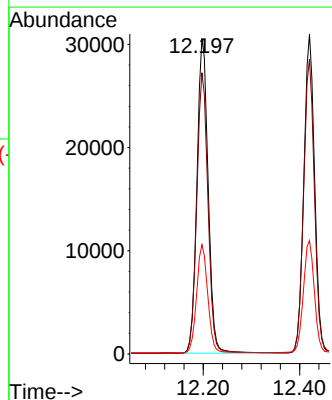
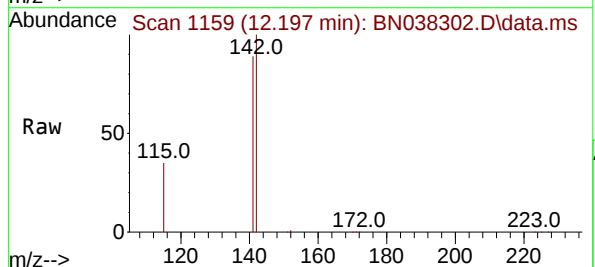
Instrument :
BNA_N
ClientSampleId :
SSTDICC1.6

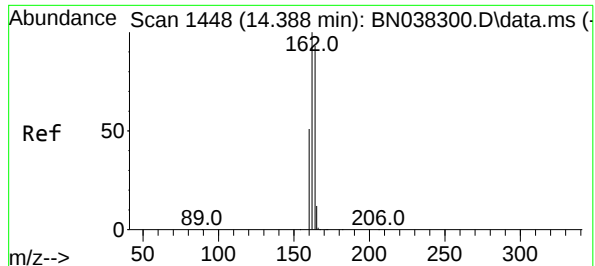
Tgt Ion:152 Resp: 36899
Ion Ratio Lower Upper
152 100
151 20.9 17.0 25.6



#12
2-Methylnaphthalene
Concen: 1.592 ng
RT: 12.197 min Scan# 1159
Delta R.T. -0.005 min
Lab File: BN038302.D
Acq: 10 Dec 2025 12:17

Tgt Ion:142 Resp: 49274
Ion Ratio Lower Upper
142 100
141 89.1 71.4 107.2
115 34.6 28.4 42.6

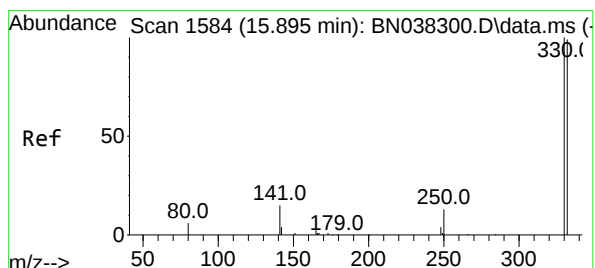
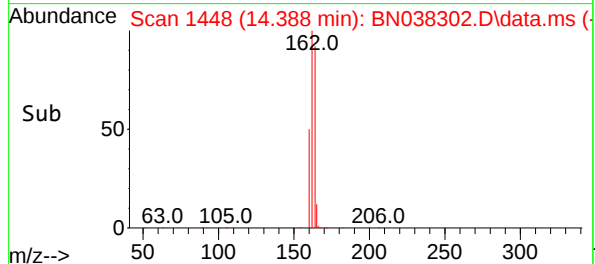
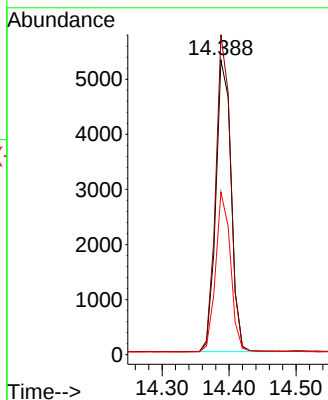
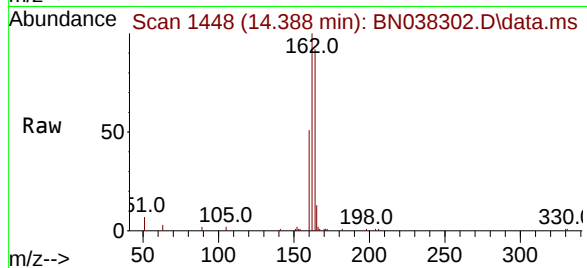




#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.388 min Scan# 1448
Delta R.T. -0.011 min
Lab File: BN038302.D
Acq: 10 Dec 2025 12:17

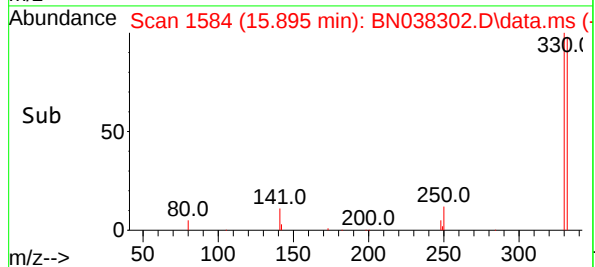
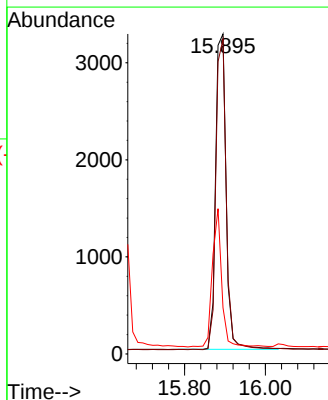
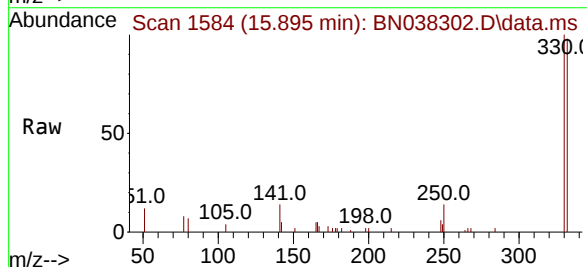
Instrument :
BNA_N
ClientSampleId :
SSTDICC1.6

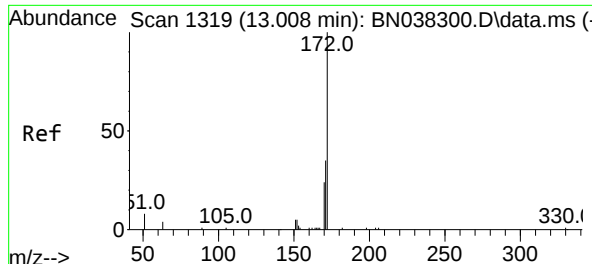
Tgt Ion:164 Resp: 8387
Ion Ratio Lower Upper
164 100
162 108.7 86.2 129.4
160 55.2 44.6 67.0



#14
2,4,6-Tribromophenol
Concen: 1.575 ng
RT: 15.895 min Scan# 1584
Delta R.T. 0.000 min
Lab File: BN038302.D
Acq: 10 Dec 2025 12:17

Tgt Ion:330 Resp: 5860
Ion Ratio Lower Upper
330 100
332 96.9 75.8 113.6
141 39.0 31.8 47.8

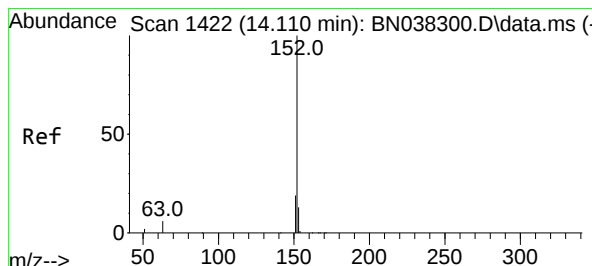
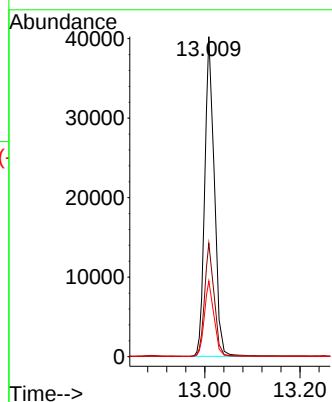
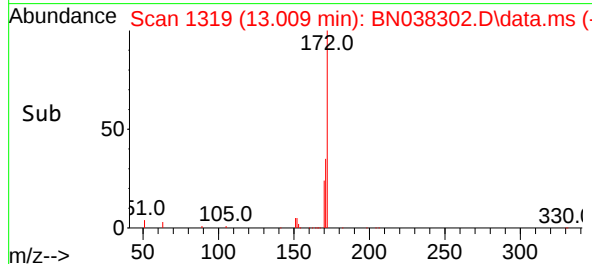
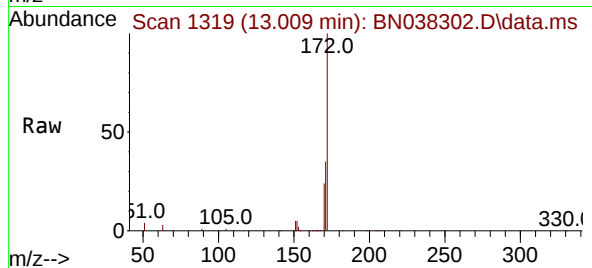




#15
2-Fluorobiphenyl
Concen: 1.556 ng
RT: 13.009 min Scan# 1319
Delta R.T. 0.000 min
Lab File: BN038302.D
Acq: 10 Dec 2025 12:17

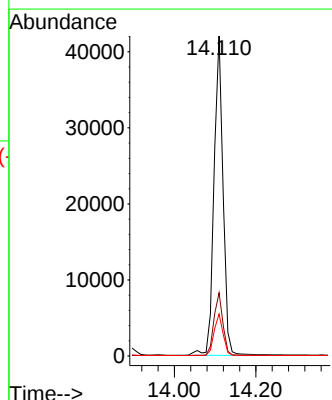
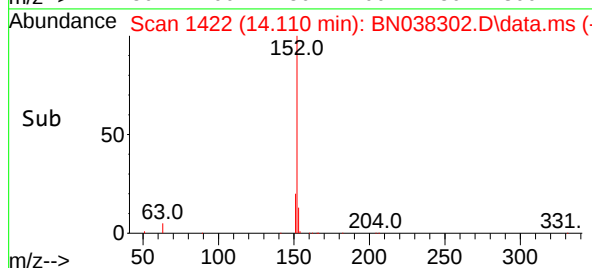
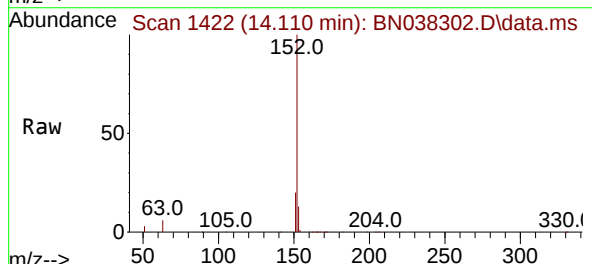
Instrument :
BNA_N
ClientSampleId :
SSTDICC1.6

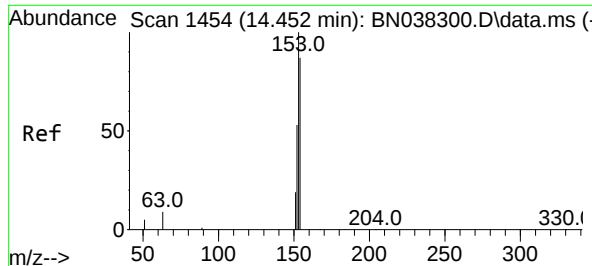
Tgt Ion:172 Resp: 62872
Ion Ratio Lower Upper
172 100
171 35.5 28.6 42.8
170 23.6 19.3 28.9



#16
Acenaphthylene
Concen: 1.572 ng
RT: 14.110 min Scan# 1422
Delta R.T. 0.000 min
Lab File: BN038302.D
Acq: 10 Dec 2025 12:17

Tgt Ion:152 Resp: 64734
Ion Ratio Lower Upper
152 100
151 19.4 15.4 23.2
153 13.0 10.2 15.4

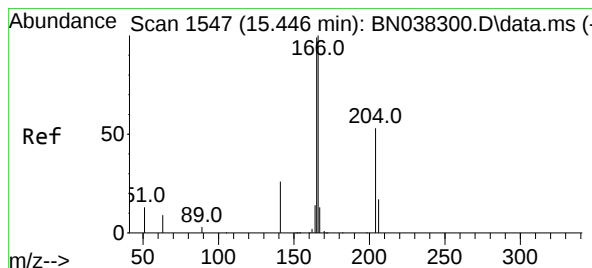
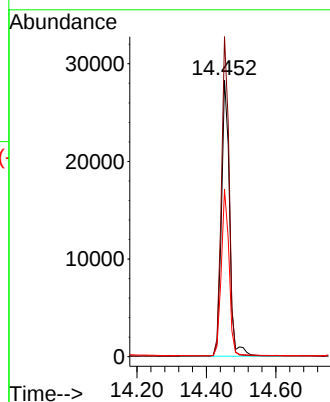
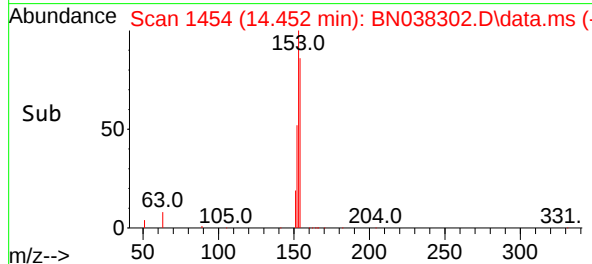
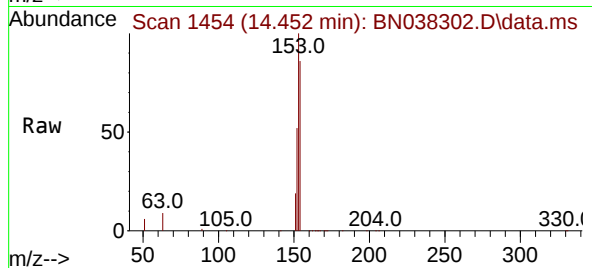




#17
Acenaphthene
Concen: 1.587 ng
RT: 14.452 min Scan# 1454
Delta R.T. -0.011 min
Lab File: BN038302.D
Acq: 10 Dec 2025 12:17

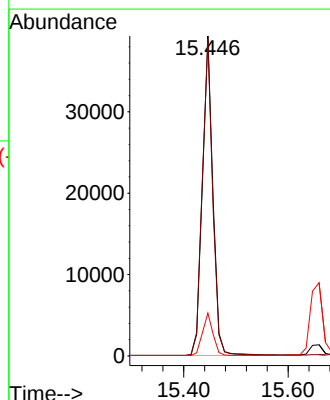
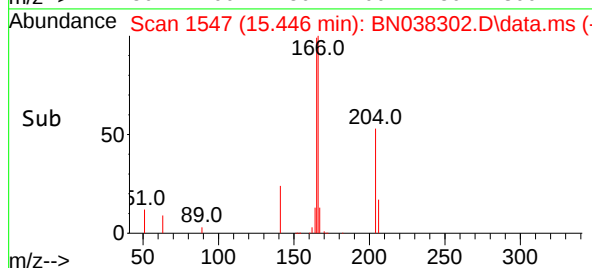
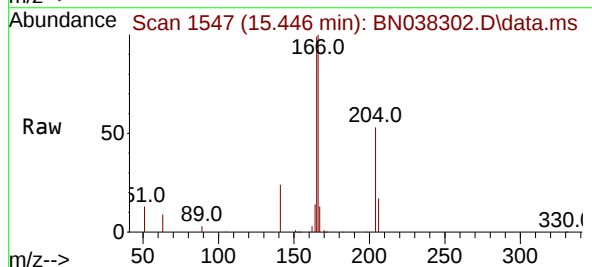
Instrument :
BNA_N
ClientSampleId :
SSTDICC1.6

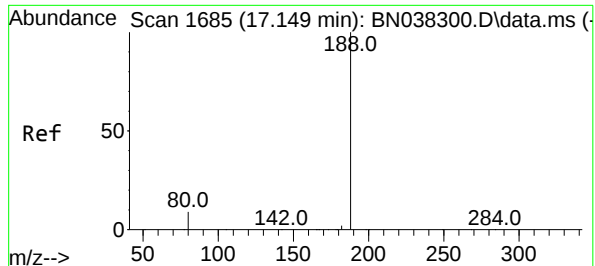
Tgt Ion:154 Resp: 45547
Ion Ratio Lower Upper
154 100
153 110.1 89.8 134.8
152 57.9 47.5 71.3



#18
Fluorene
Concen: 1.570 ng
RT: 15.446 min Scan# 1547
Delta R.T. 0.000 min
Lab File: BN038302.D
Acq: 10 Dec 2025 12:17

Tgt Ion:166 Resp: 57951
Ion Ratio Lower Upper
166 100
165 98.8 80.2 120.4
167 13.2 10.6 16.0





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 17.149 min Scan# 1

Delta R.T. 0.000 min

Lab File: BN038302.D

Acq: 10 Dec 2025 12:17

Instrument :

BNA_N

ClientSampleId :

SSTDICC1.6

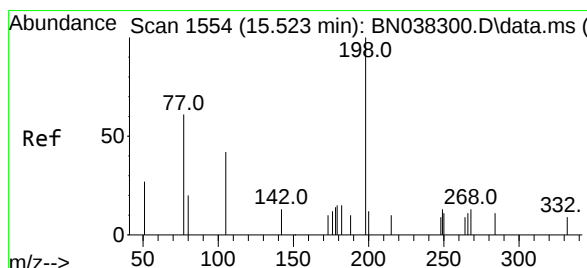
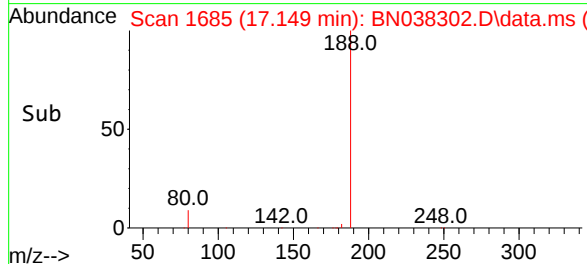
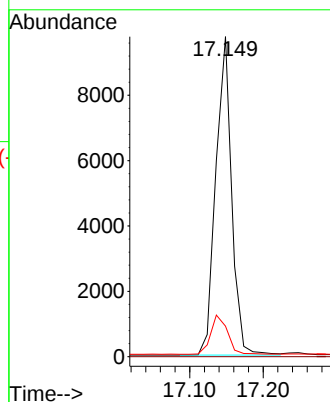
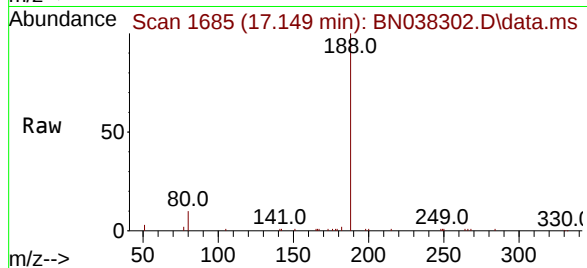
Tgt Ion:188 Resp: 14601

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

80 9.5 7.4 11.0



#20

4,6-Dinitro-2-methylphenol

Concen: 1.687 ng

RT: 15.523 min Scan# 1554

Delta R.T. 0.001 min

Lab File: BN038302.D

Acq: 10 Dec 2025 12:17

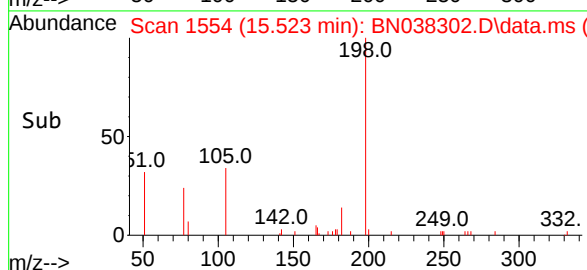
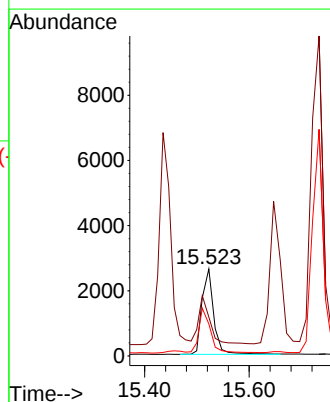
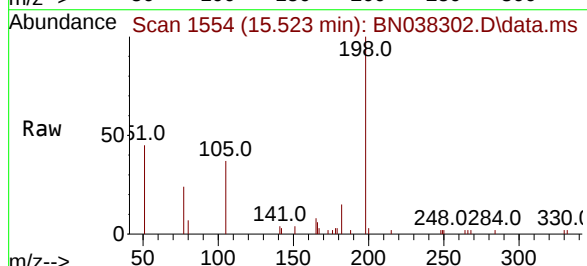
Tgt Ion:198 Resp: 4052

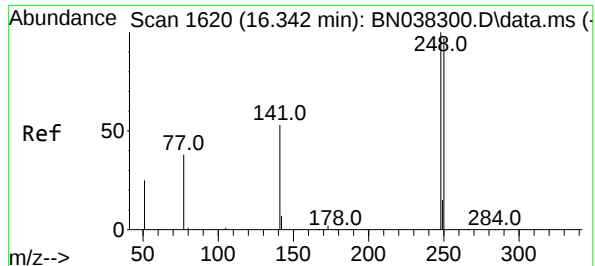
Ion Ratio Lower Upper

198 100

51 44.6 86.3 129.5#

105 36.8 45.3 67.9#

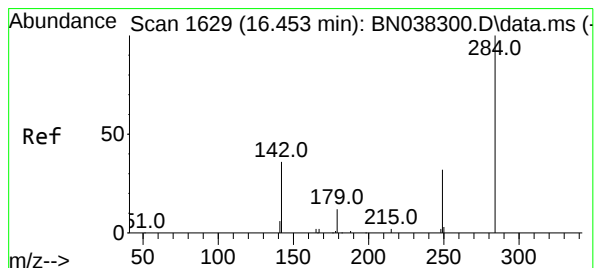
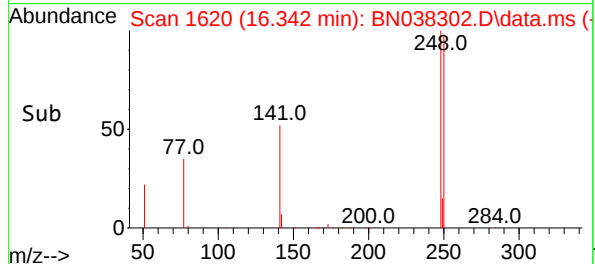
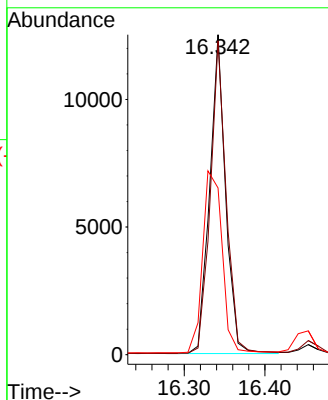
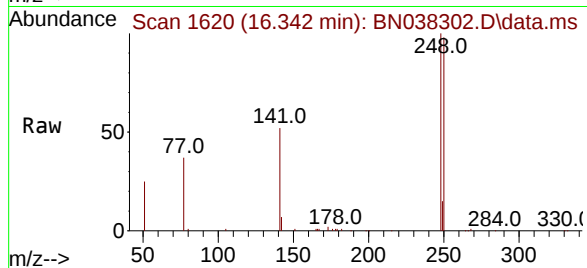




#21
4-Bromophenyl-phenylether
Concen: 1.578 ng
RT: 16.342 min Scan# 1620
Delta R.T. -0.000 min
Lab File: BN038302.D
Acq: 10 Dec 2025 12:17

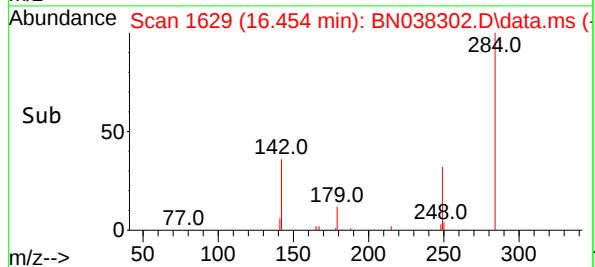
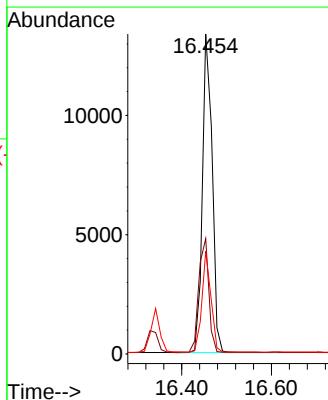
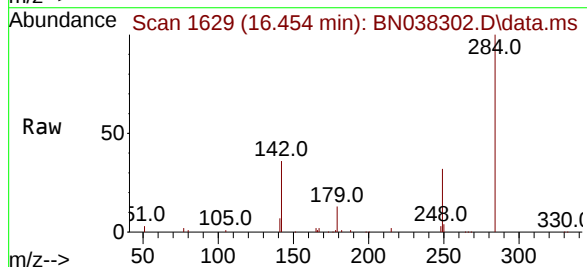
Instrument :
BNA_N
ClientSampleId :
SSTDICC1.6

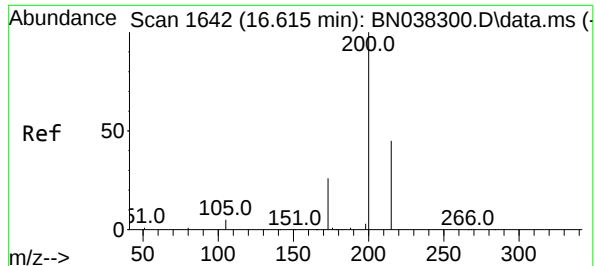
Tgt Ion	Ratio	Lower	Upper
248	100		
250	98.1	78.2	117.2
141	52.1	43.7	65.5



#22
Hexachlorobenzene
Concen: 1.555 ng
RT: 16.454 min Scan# 1629
Delta R.T. -0.012 min
Lab File: BN038302.D
Acq: 10 Dec 2025 12:17

Tgt Ion	Ratio	Lower	Upper
284	100		
142	37.1	29.5	44.3
249	29.5	23.7	35.5

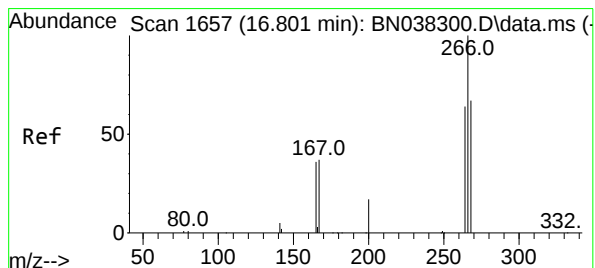
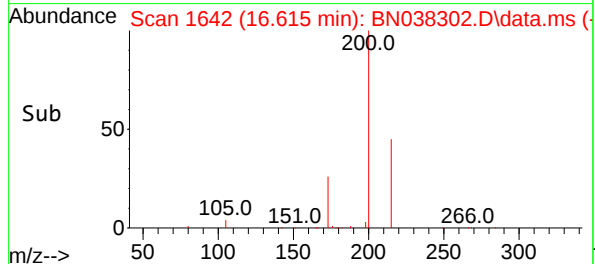
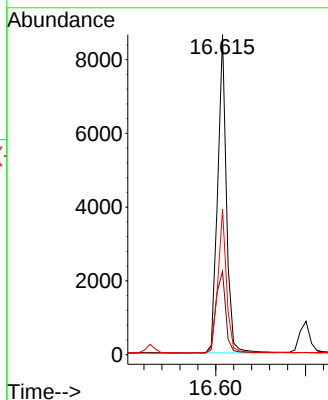
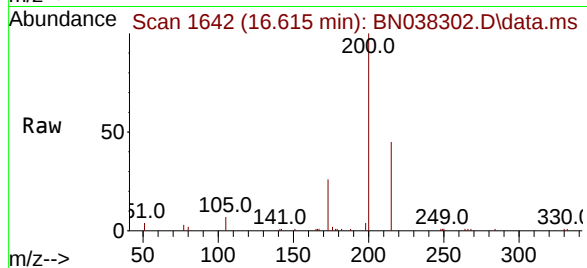




#23
Atrazine
Concen: 1.579 ng
RT: 16.615 min Scan# 1642
Delta R.T. 0.000 min
Lab File: BN038302.D
Acq: 10 Dec 2025 12:17

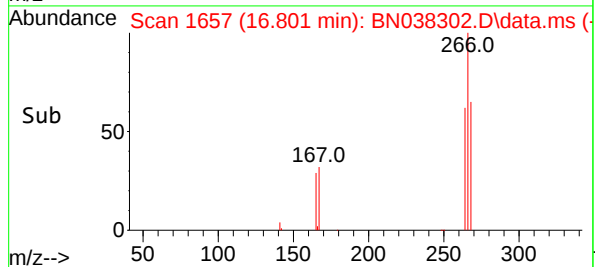
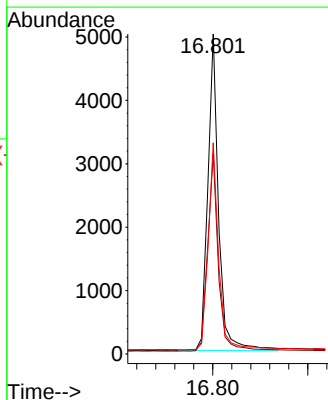
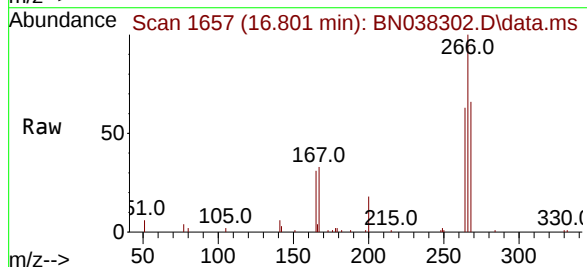
Instrument :
BNA_N
ClientSampleId :
SSTDICC1.6

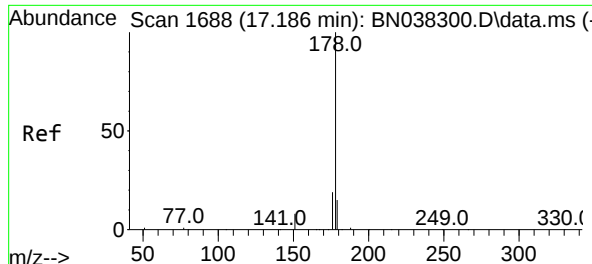
Tgt Ion	Ratio	Lower	Upper
200	100		
173	26.1	22.1	33.1
215	45.4	37.4	56.2



#24
Pentachlorophenol
Concen: 1.541 ng
RT: 16.801 min Scan# 1657
Delta R.T. 0.000 min
Lab File: BN038302.D
Acq: 10 Dec 2025 12:17

Tgt Ion	Ratio	Lower	Upper
266	100		
264	62.6	50.2	75.2
268	64.7	52.6	78.8

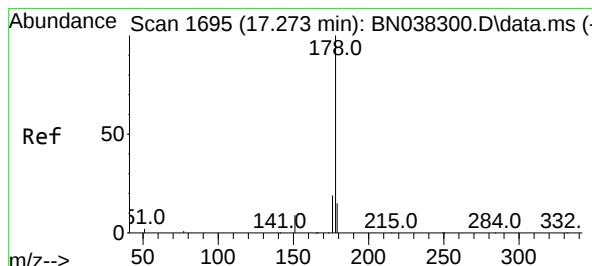
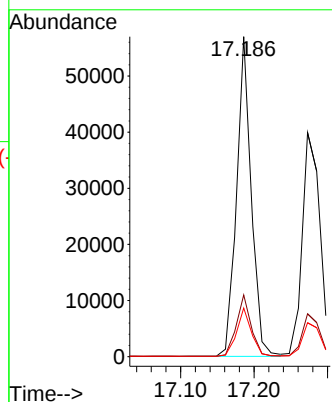
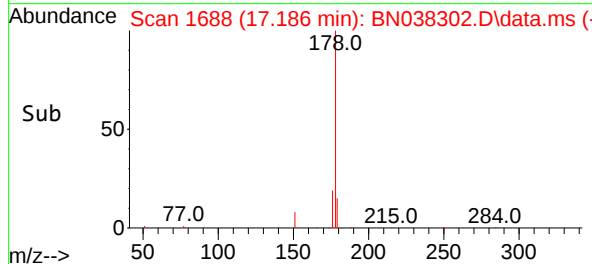
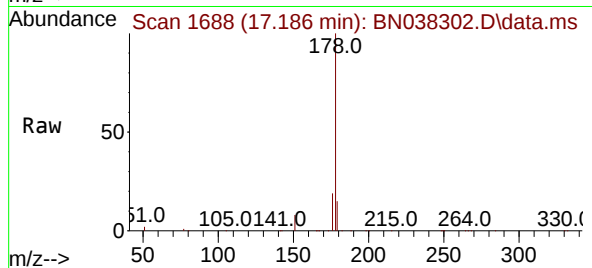




#25
Phenanthrene
Concen: 1.555 ng
RT: 17.186 min Scan# 1688
Delta R.T. 0.000 min
Lab File: BN038302.D
Acq: 10 Dec 2025 12:17

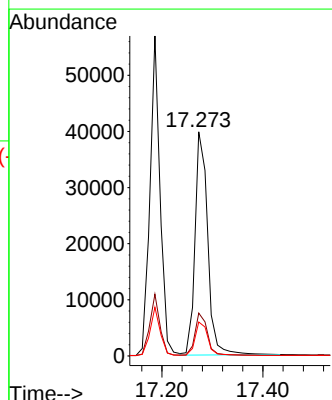
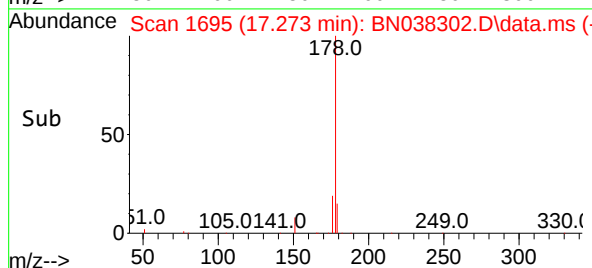
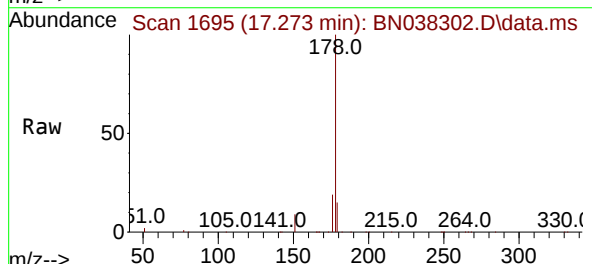
Instrument :
BNA_N
ClientSampleId :
SSTDICC1.6

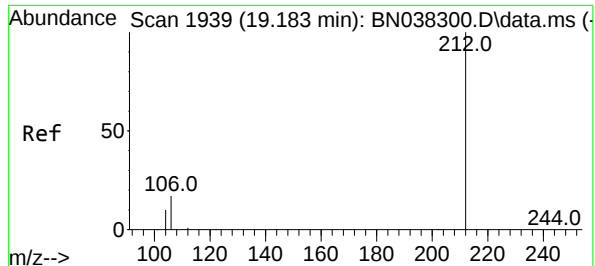
Tgt Ion:178 Resp: 79019
Ion Ratio Lower Upper
178 100
176 19.3 15.5 23.3
179 15.2 12.2 18.2



#26
Anthracene
Concen: 1.589 ng
RT: 17.273 min Scan# 1695
Delta R.T. -0.012 min
Lab File: BN038302.D
Acq: 10 Dec 2025 12:17

Tgt Ion:178 Resp: 69628
Ion Ratio Lower Upper
178 100
176 18.7 15.1 22.7
179 15.2 12.0 18.0





#27

Fluoranthene-d10

Concen: 1.591 ng

RT: 19.183 min Scan# 1939

Delta R.T. -0.004 min

Lab File: BN038302.D

Acq: 10 Dec 2025 12:17

Instrument :

BNA_N

ClientSampleId :

SSTDICC1.6

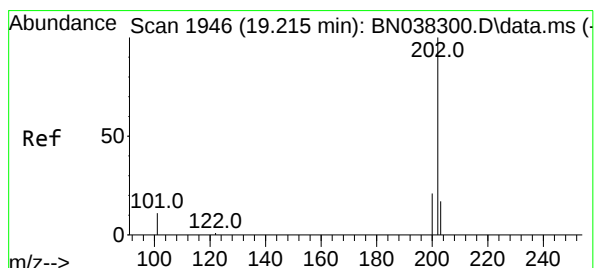
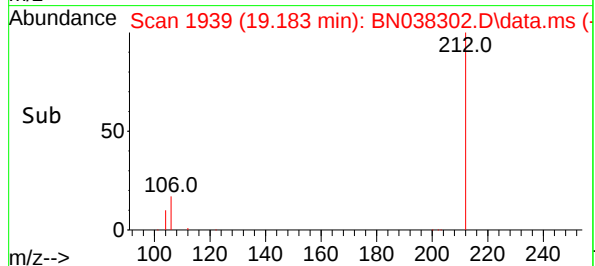
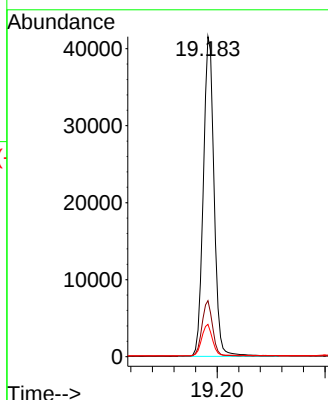
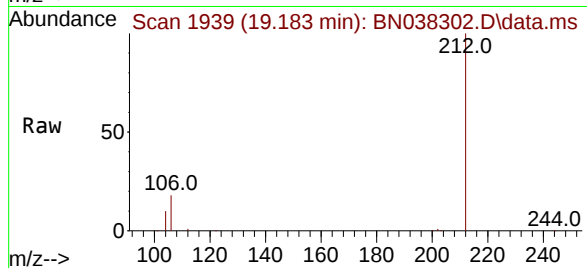
Tgt Ion:212 Resp: 57448

Ion Ratio Lower Upper

212 100

106 17.1 13.7 20.5

104 9.9 7.8 11.8



#28

Fluoranthene

Concen: 1.593 ng

RT: 19.211 min Scan# 1945

Delta R.T. -0.009 min

Lab File: BN038302.D

Acq: 10 Dec 2025 12:17

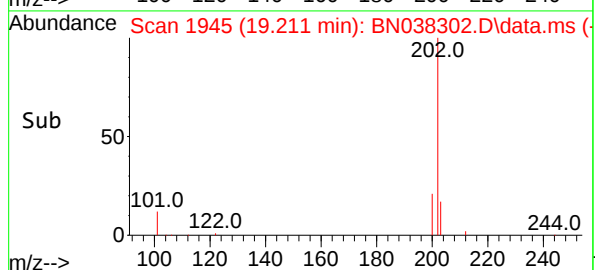
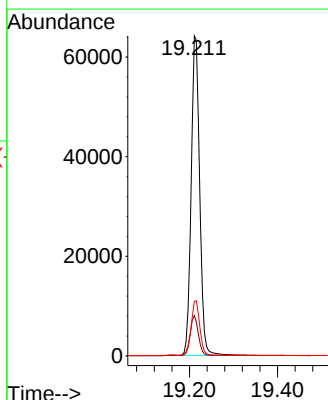
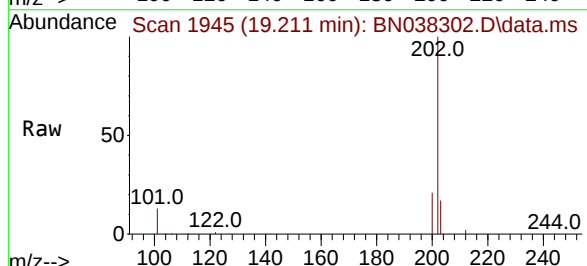
Tgt Ion:202 Resp: 86039

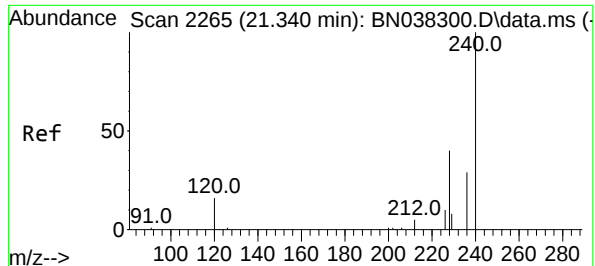
Ion Ratio Lower Upper

202 100

101 12.4 9.6 14.4

203 17.0 13.5 20.3





#29

Chrysene-d12

Concen: 0.400 ng

RT: 21.340 min Scan# 21

Delta R.T. 0.000 min

Lab File: BN038302.D

Acq: 10 Dec 2025 12:17

Instrument :

BNA_N

ClientSampleId :

SSTDICC1.6

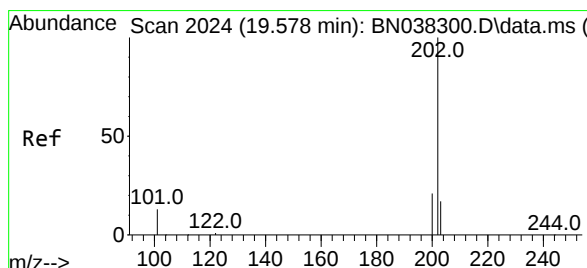
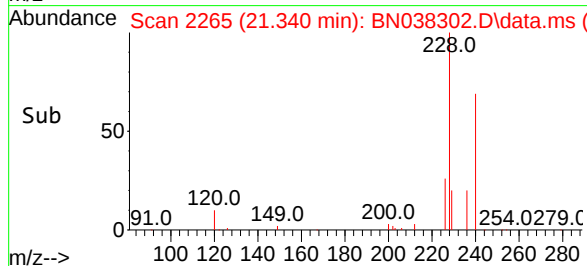
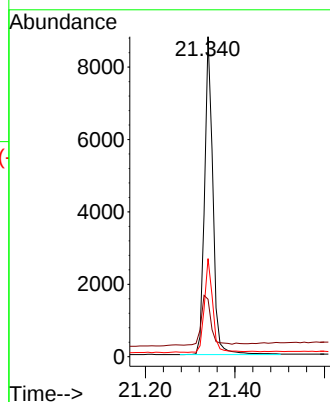
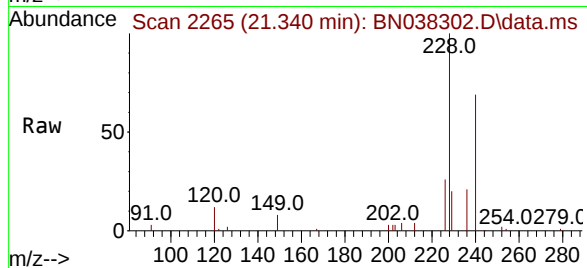
Tgt Ion:240 Resp: 11383

Ion Ratio Lower Upper

240 100

120 18.0 15.4 23.2

236 30.6 23.9 35.9



#30

Pyrene

Concen: 1.535 ng

RT: 19.578 min Scan# 2024

Delta R.T. -0.004 min

Lab File: BN038302.D

Acq: 10 Dec 2025 12:17

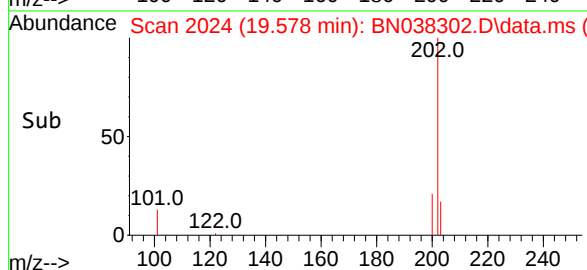
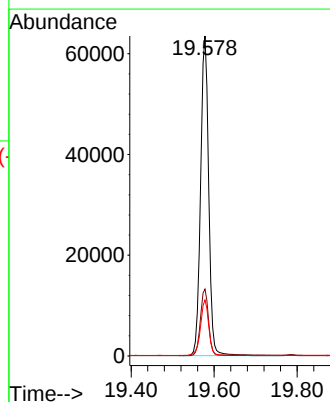
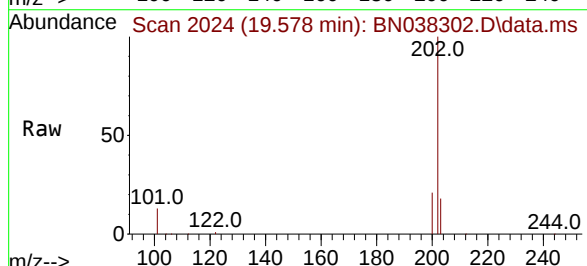
Tgt Ion:202 Resp: 86035

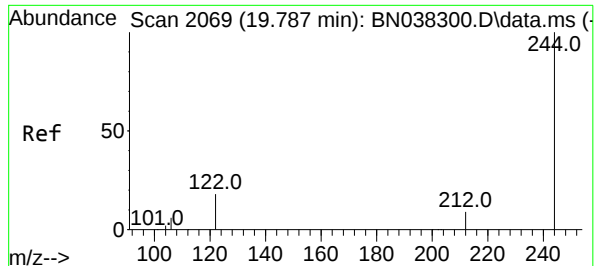
Ion Ratio Lower Upper

202 100

200 21.1 16.9 25.3

203 17.8 14.2 21.2

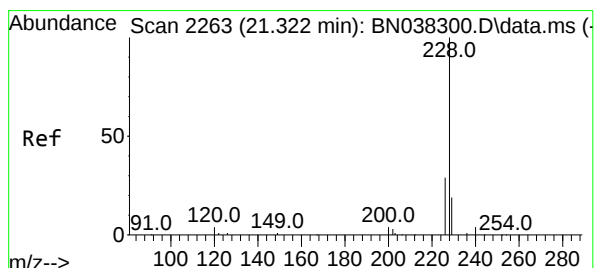
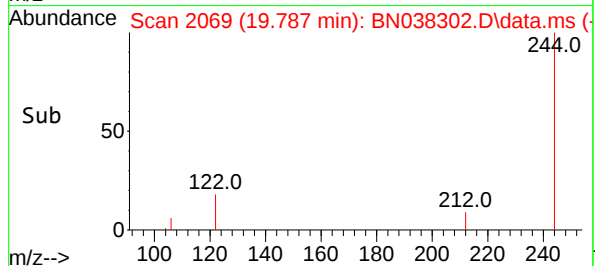
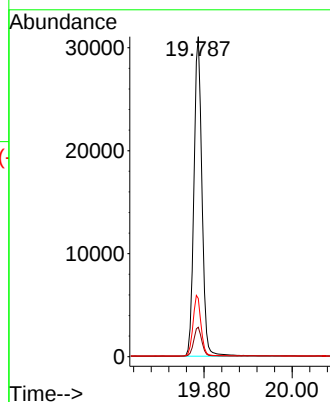
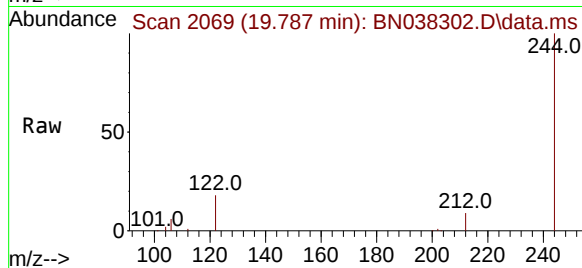




#31
Terphenyl-d14
Concen: 1.547 ng
RT: 19.787 min Scan# 2069
Delta R.T. -0.004 min
Lab File: BN038302.D
Acq: 10 Dec 2025 12:17

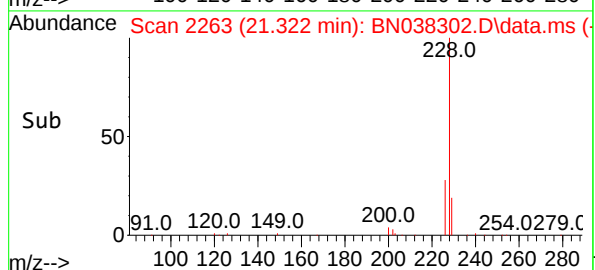
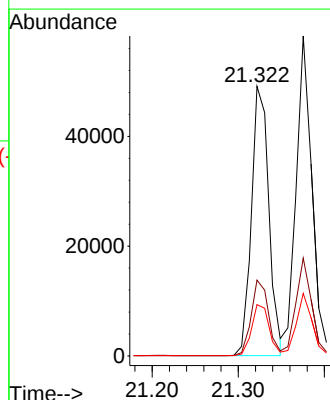
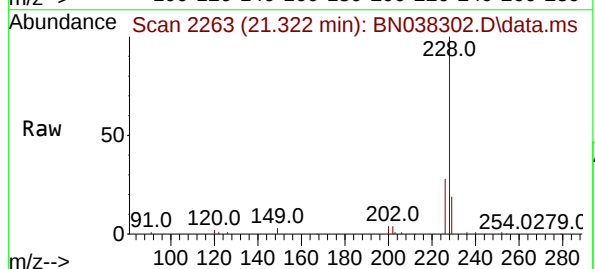
Instrument :
BNA_N
ClientSampleId :
SSTDICC1.6

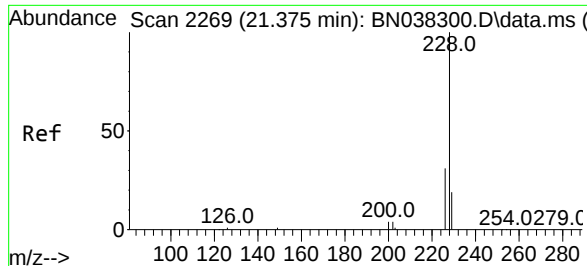
Tgt Ion	Ratio	Lower	Upper
244	100		
212	9.2	7.9	11.9
122	18.2	15.0	22.6



#32
Benzo(a)anthracene
Concen: 1.567 ng
RT: 21.322 min Scan# 2263
Delta R.T. -0.009 min
Lab File: BN038302.D
Acq: 10 Dec 2025 12:17

Tgt Ion	Ratio	Lower	Upper
228	100		
226	28.1	23.3	34.9
229	19.1	15.7	23.5





#33

Chrysene

Concen: 1.574 ng

RT: 21.375 min Scan# 21

Delta R.T. 0.000 min

Lab File: BN038302.D

Acq: 10 Dec 2025 12:17

Instrument :

BNA_N

ClientSampleId :

SSTDICC1.6

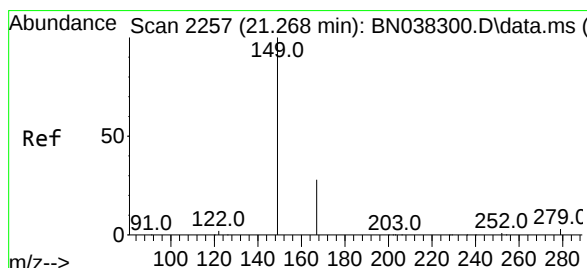
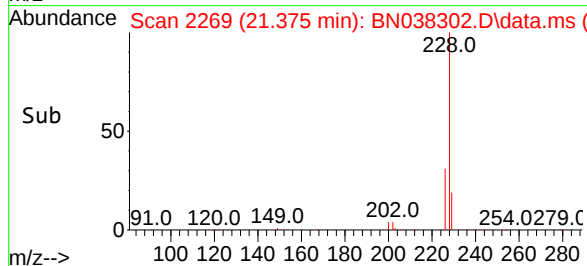
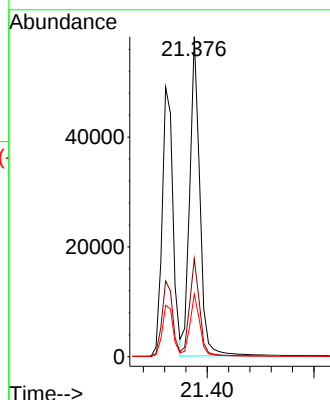
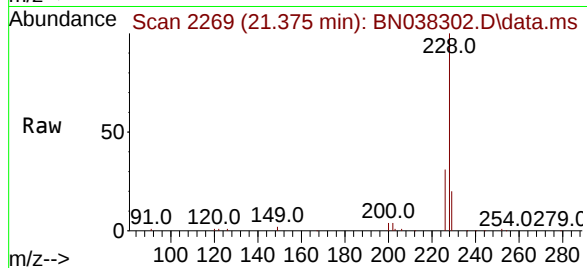
Tgt Ion:228 Resp: 76200

Ion Ratio Lower Upper

228 100

226 30.6 25.0 37.4

229 19.6 15.5 23.3



#34

Bis(2-ethylhexyl)phthalate

Concen: 1.423 ng

RT: 21.268 min Scan# 2257

Delta R.T. 0.000 min

Lab File: BN038302.D

Acq: 10 Dec 2025 12:17

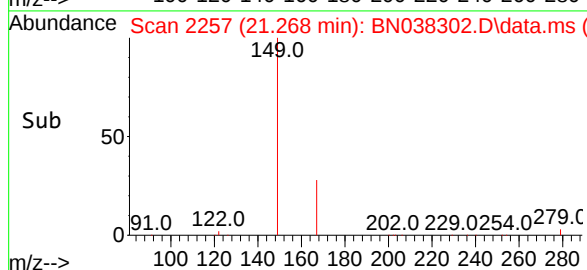
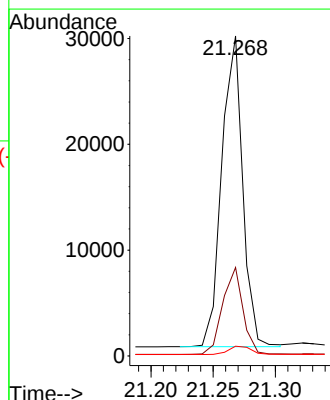
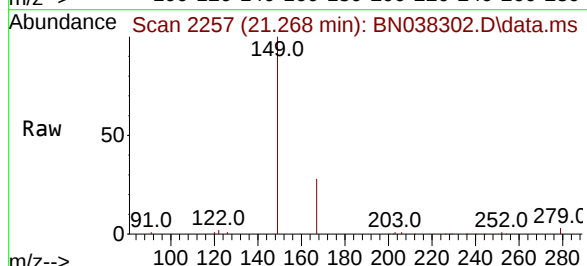
Tgt Ion:149 Resp: 34320

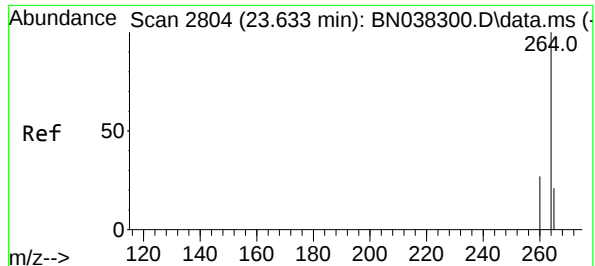
Ion Ratio Lower Upper

149 100

167 27.2 21.4 32.0

279 3.0 2.4 3.6

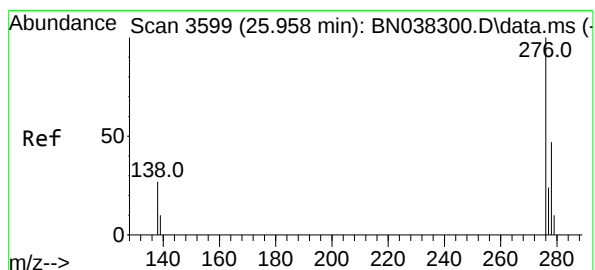
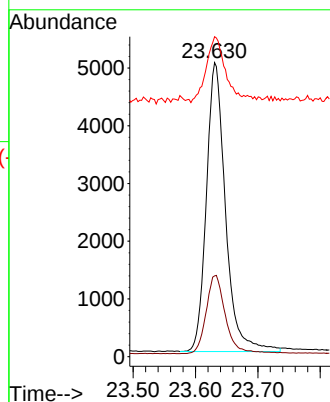
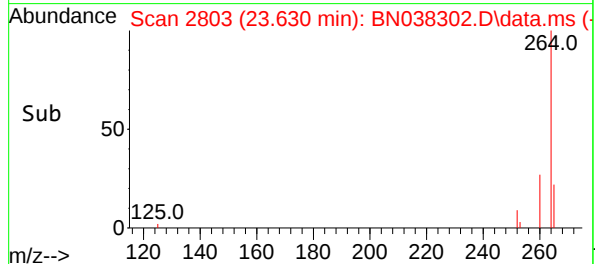
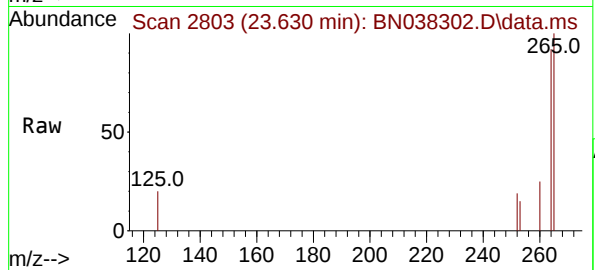




#35
Perylene-d12
Concen: 0.400 ng
RT: 23.630 min Scan# 21
Delta R.T. -0.003 min
Lab File: BN038302.D
Acq: 10 Dec 2025 12:17

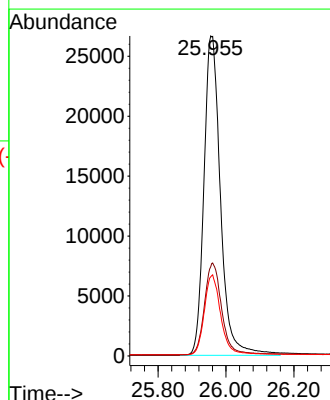
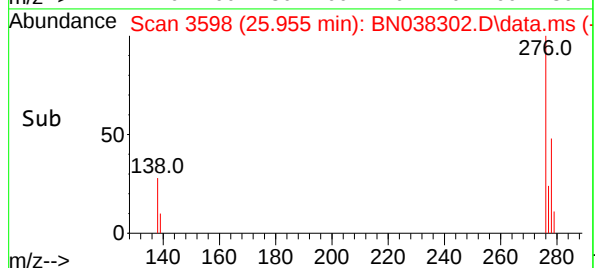
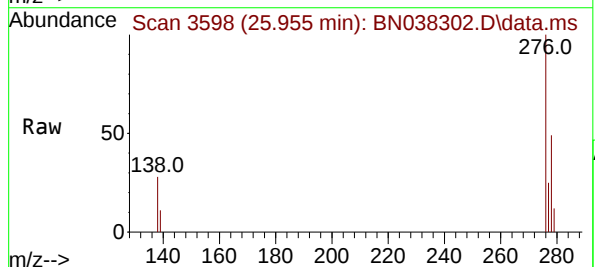
Instrument :
BNA_N
ClientSampleId :
SSTDICC1.6

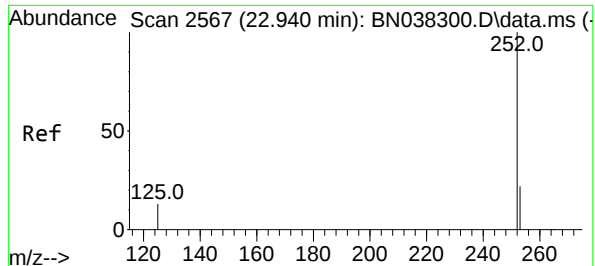
Tgt Ion:264 Resp: 10679
Ion Ratio Lower Upper
264 100
260 27.5 22.2 33.2
265 108.8 80.2 120.2



#36
Indeno(1,2,3-cd)pyrene
Concen: 1.595 ng
RT: 25.955 min Scan# 3598
Delta R.T. -0.009 min
Lab File: BN038302.D
Acq: 10 Dec 2025 12:17

Tgt Ion:276 Resp: 90364
Ion Ratio Lower Upper
276 100
138 29.6 23.6 35.4
277 24.6 19.7 29.5





#37

Benzo(b)fluoranthene

Concen: 1.591 ng

RT: 22.940 min Scan# 2567

Delta R.T. -0.006 min

Lab File: BN038302.D

Acq: 10 Dec 2025 12:17

Instrument :

BNA_N

ClientSampleId :

SSTDICC1.6

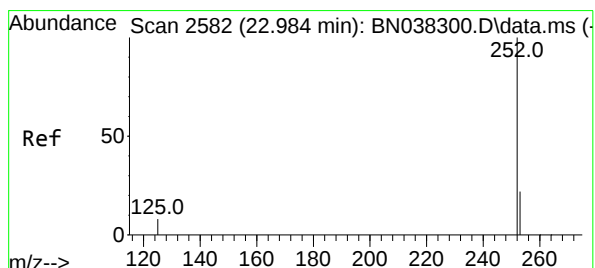
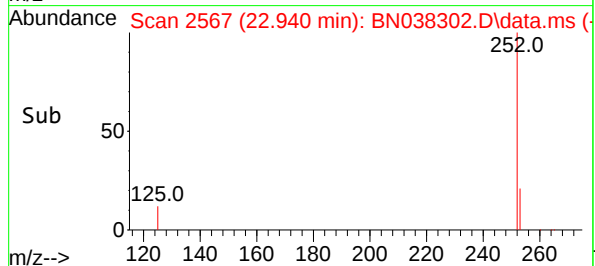
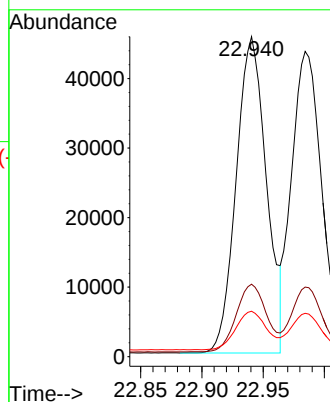
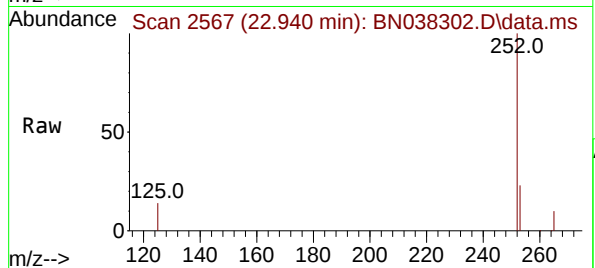
Tgt Ion:252 Resp: 78044

Ion Ratio Lower Upper

252 100

253 22.7 21.1 31.7

125 14.2 16.4 24.6#



#38

Benzo(k)fluoranthene

Concen: 1.593 ng

RT: 22.984 min Scan# 2582

Delta R.T. -0.006 min

Lab File: BN038302.D

Acq: 10 Dec 2025 12:17

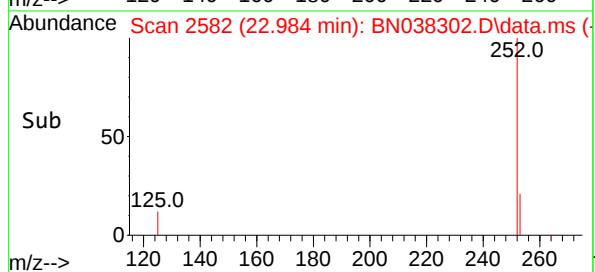
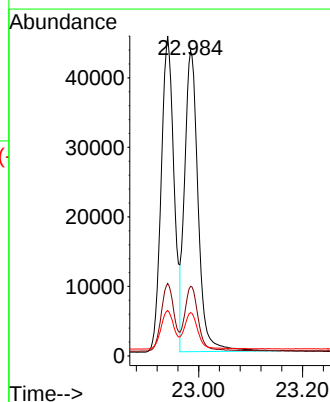
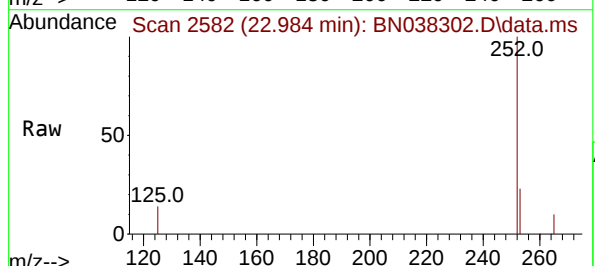
Tgt Ion:252 Resp: 77879

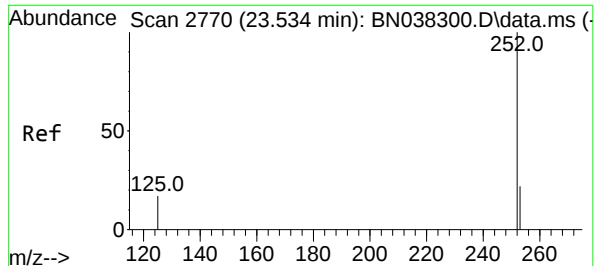
Ion Ratio Lower Upper

252 100

253 22.8 21.4 32.0

125 14.2 16.2 24.2#





#39

Benzo(a)pyrene

Concen: 1.574 ng

RT: 23.531 min Scan# 21

Delta R.T. -0.003 min

Lab File: BN038302.D

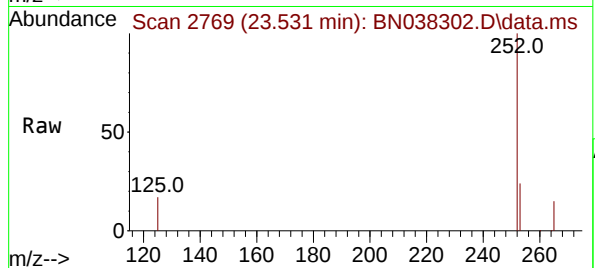
Acq: 10 Dec 2025 12:17

Instrument :

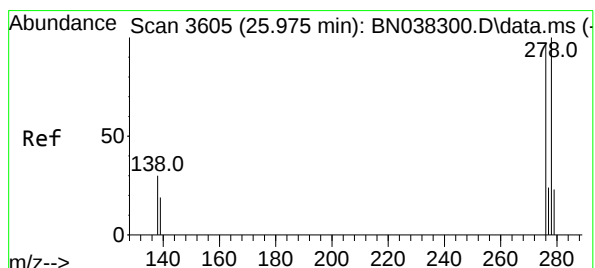
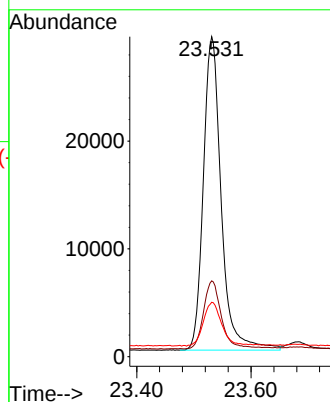
BNA_N

ClientSampleId :

SSTDICC1.6



Tgt Ion:	252	Resp:	63182
Ion Ratio	Lower	Upper	
252	100		
253	23.7	23.3	34.9
125	17.0	22.4	33.6



#40

Dibenzo(a,h)anthracene

Concen: 1.614 ng

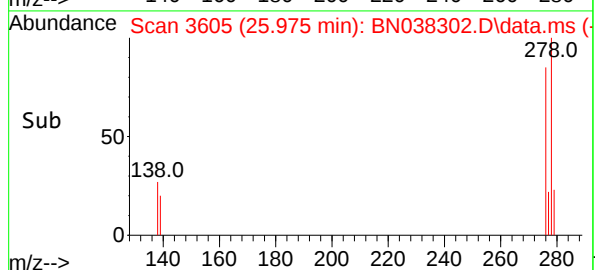
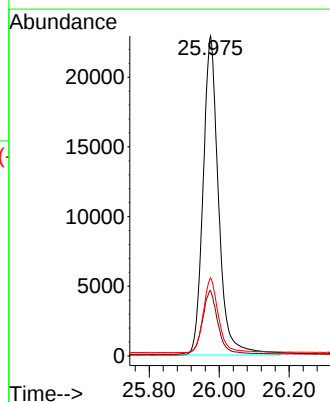
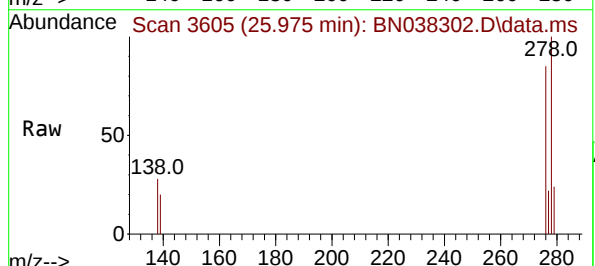
RT: 25.975 min Scan# 3605

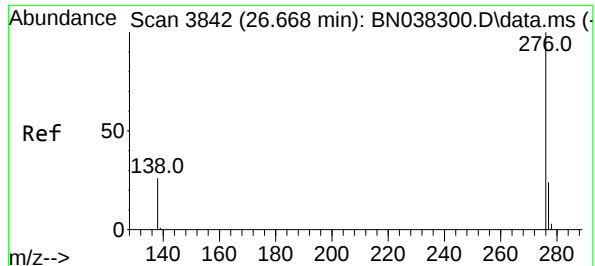
Delta R.T. -0.006 min

Lab File: BN038302.D

Acq: 10 Dec 2025 12:17

Tgt Ion:	278	Resp:	70529
Ion Ratio	Lower	Upper	
278	100		
139	20.4	17.8	26.8
279	24.5	21.3	31.9





#41

Benzo(g,h,i)perylene

Concen: 1.590 ng

RT: 26.665 min Scan# 3841

Delta R.T. -0.012 min

Lab File: BN038302.D

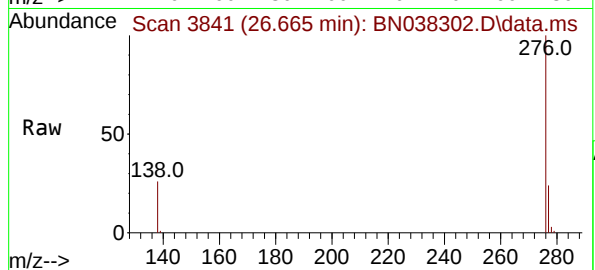
Acq: 10 Dec 2025 12:17

Instrument :

BNA_N

ClientSampleId :

SSTDICC1.6



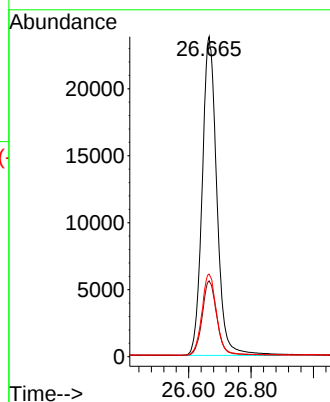
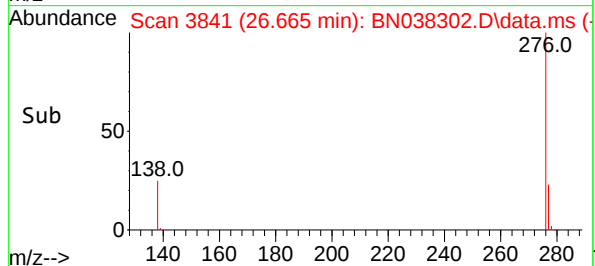
Tgt Ion:276 Resp: 77643

Ion Ratio Lower Upper

276 100

277 23.7 20.0 30.0

138 25.8 21.8 32.6



Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN121025\
 Data File : BN038303.D
 Acq On : 10 Dec 2025 12:53
 Operator : RC/JU
 Sample : SSTDICC3.2
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 SSTDICC3.2

Quant Time: Dec 10 14:00:33 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN121025.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Dec 10 13:56:50 2025
 Response via : Initial Calibration

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

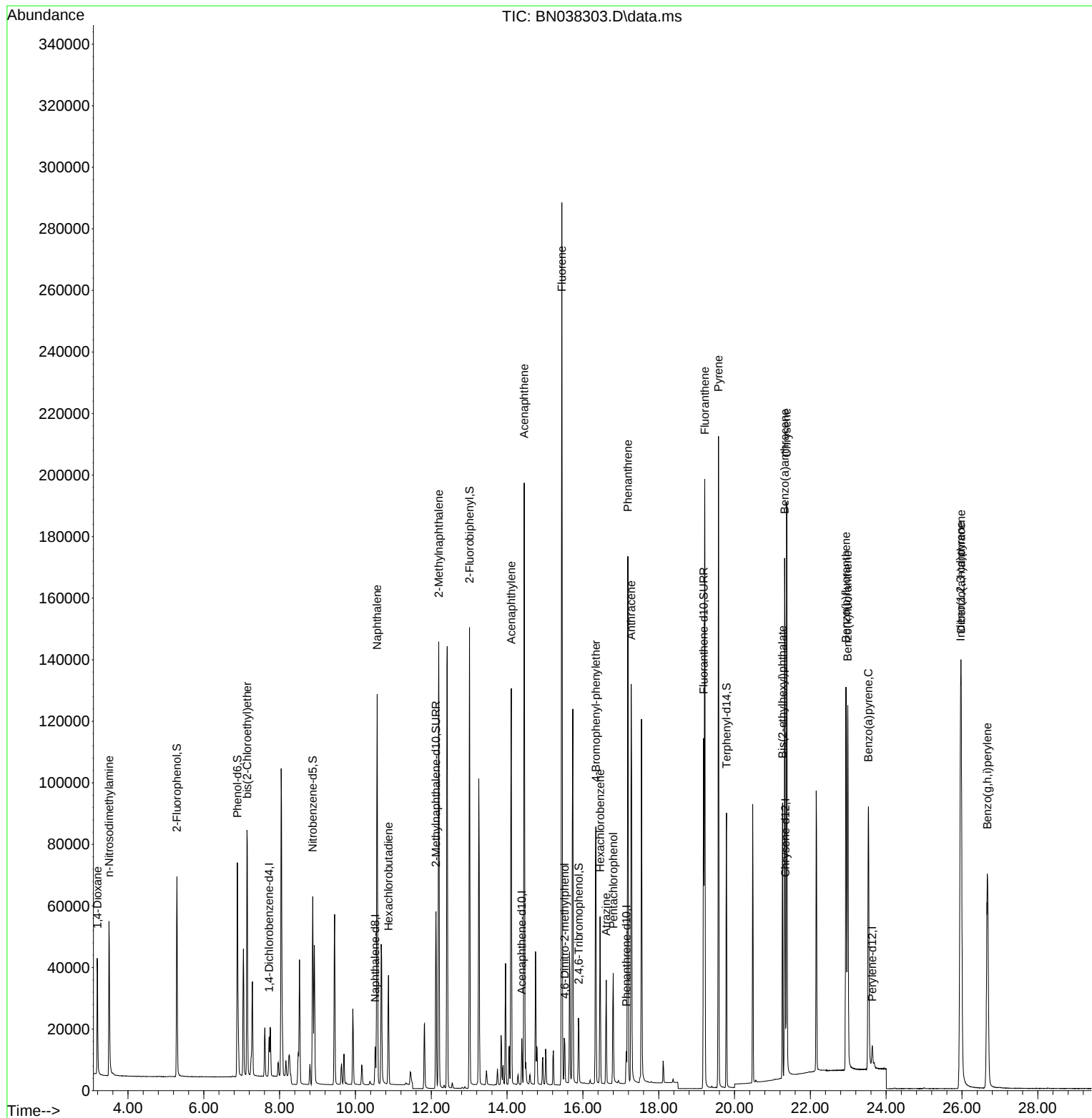
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.724	152	6243	0.400	ng	0.00
7) Naphthalene-d8	10.519	136	16175	0.400	ng	#-0.01
13) Acenaphthene-d10	14.388	164	8192	0.400	ng	-0.01
19) Phenanthrene-d10	17.148	188	14208	0.400	ng	0.00
29) Chrysene-d12	21.340	240	11022	0.400	ng	0.00
35) Perylene-d12	23.633	264	9816	0.400	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.290	112	50921	3.275	ng	0.00
5) Phenol-d6	6.887	99	63079	3.413	ng	0.00
8) Nitrobenzene-d5	8.875	82	46345	3.397	ng	0.00
11) 2-Methylnaphthalene-d10	12.126	152	77323	3.389	ng	0.00
14) 2,4,6-Tribromophenol	15.895	330	12871	3.541	ng	0.00
15) 2-Fluorobiphenyl	13.008	172	134089	3.398	ng	0.00
27) Fluoranthene-d10	19.183	212	118814	3.381	ng	0.00
31) Terphenyl-d14	19.787	244	78759	3.202	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.196	88	22789	3.184	ng	99
3) n-Nitrosodimethylamine	3.499	42	29418	3.278	ng	# 96
6) bis(2-Chloroethyl)ether	7.147	93	58758	3.250	ng	98
9) Naphthalene	10.573	128	159268	3.331	ng	98
10) Hexachlorobutadiene	10.872	225	27470	3.232	ng	# 99
12) 2-Methylnaphthalene	12.197	142	102695	3.384	ng	99
16) Acenaphthylene	14.110	152	139550	3.469	ng	100
17) Acenaphthene	14.452	154	95652	3.413	ng	97
18) Fluorene	15.446	166	121052	3.357	ng	99
20) 4,6-Dinitro-2-methylph...	15.522	198	9649	4.128	ng	# 43
21) 4-Bromophenyl-phenylether	16.342	248	35254	3.344	ng	95
22) Hexachlorobenzene	16.453	284	40638	3.207	ng	99
23) Atrazine	16.615	200	25071	3.487	ng	97
24) Pentachlorophenol	16.801	266	17764	3.592	ng	99
25) Phenanthrene	17.186	178	163576	3.308	ng	100
26) Anthracene	17.273	178	148322	3.479	ng	100
28) Fluoranthene	19.215	202	177518	3.377	ng	99
30) Pyrene	19.578	202	178334	3.287	ng	100
32) Benzo(a)anthracene	21.322	228	144401	3.391	ng	99
33) Chrysene	21.375	228	153835	3.281	ng	100
34) Bis(2-ethylhexyl)phtha...	21.268	149	73028	3.126	ng	100
36) Indeno(1,2,3-cd)pyrene	25.963	276	182271	3.499	ng	99
37) Benzo(b)fluoranthene	22.940	252	155996	3.460	ng	# 88
38) Benzo(k)fluoranthene	22.987	252	157545	3.505	ng	# 88
39) Benzo(a)pyrene	23.534	252	128763	3.490	ng	# 82
40) Dibenzo(a,h)anthracene	25.978	278	143161	3.565	ng	95
41) Benzo(g,h,i)perylene	26.668	276	154373	3.439	ng	98

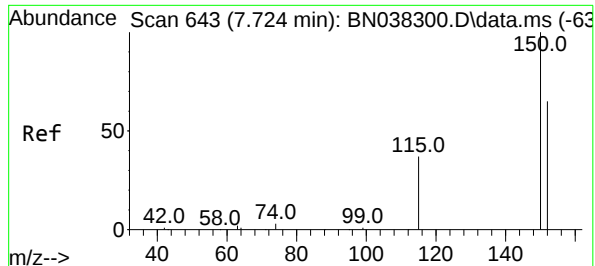
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Data File : BN038303.D
Acq On : 10 Dec 2025 12:53
Operator : RC/JU
Sample : SSTDICC3.2
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
SSTDICC3.2

Quant Time: Dec 10 14:00:33 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN121025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Dec 10 13:56:50 2025
Response via : Initial Calibration

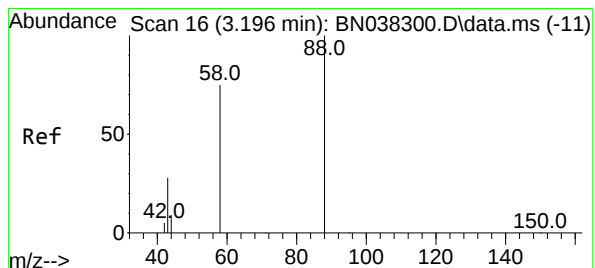
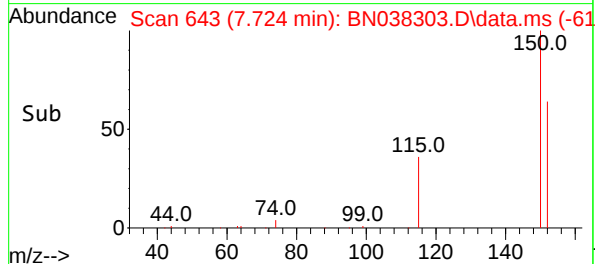
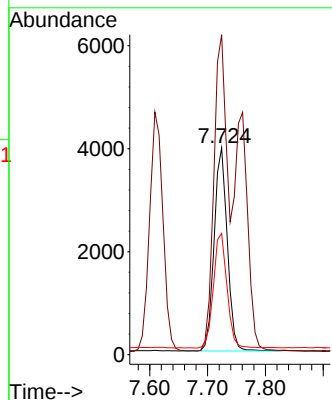
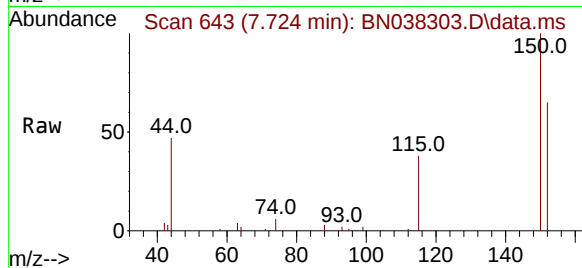




#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.724 min Scan# 64
Delta R.T. 0.000 min
Lab File: BN038303.D
Acq: 10 Dec 2025 12:53

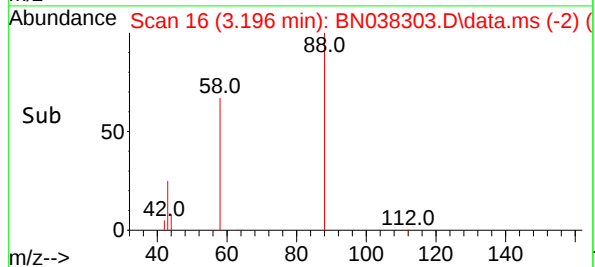
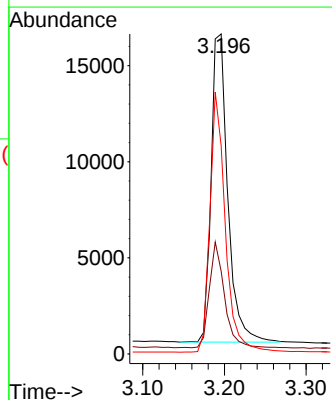
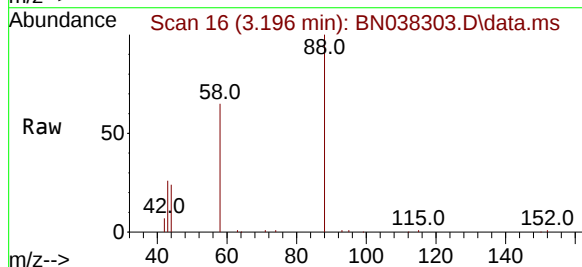
Instrument :
BNA_N
ClientSampleId :
SSTDICC3.2

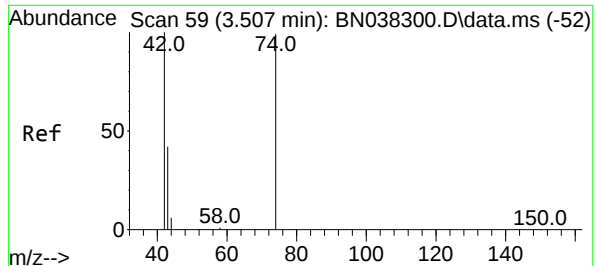
Tgt Ion:152 Resp: 6243
Ion Ratio Lower Upper
152 100
150 154.7 122.4 183.6
115 58.6 47.3 70.9



#2
1,4-Dioxane
Concen: 3.184 ng
RT: 3.196 min Scan# 16
Delta R.T. -0.000 min
Lab File: BN038303.D
Acq: 10 Dec 2025 12:53

Tgt Ion: 88 Resp: 22789
Ion Ratio Lower Upper
88 100
43 30.8 24.9 37.3
58 78.0 61.4 92.0

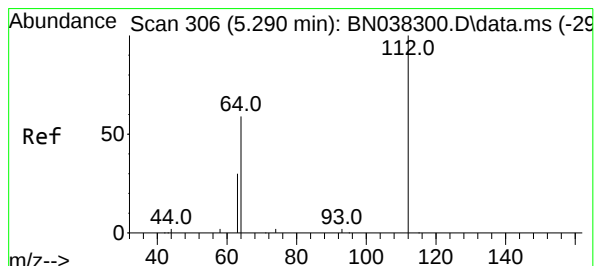
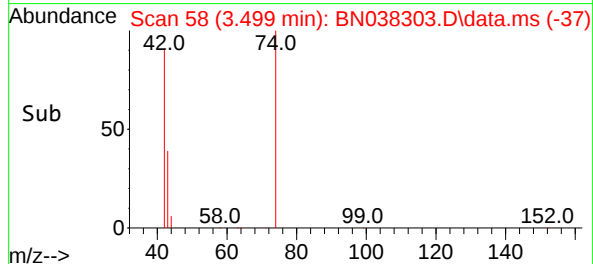
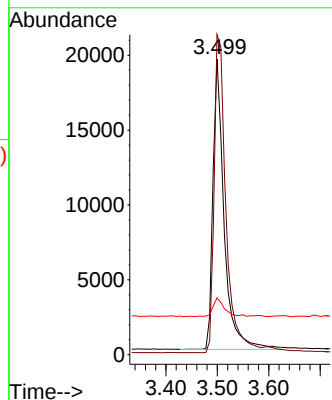
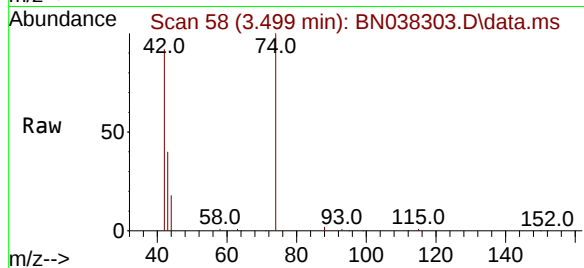




#3
n-Nitrosodimethylamine
Concen: 3.278 ng
RT: 3.499 min Scan# 51
Delta R.T. -0.000 min
Lab File: BN038303.D
Acq: 10 Dec 2025 12:53

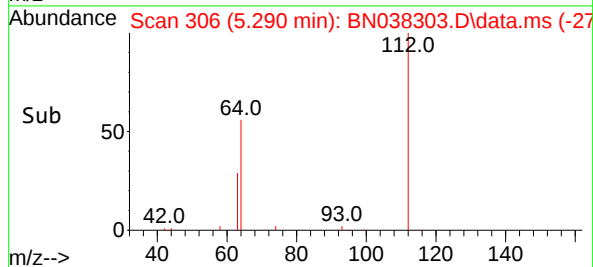
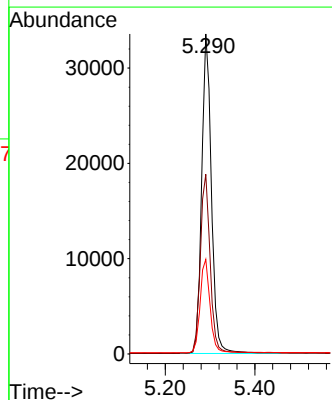
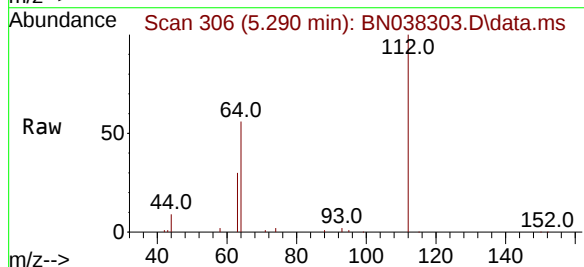
Instrument :
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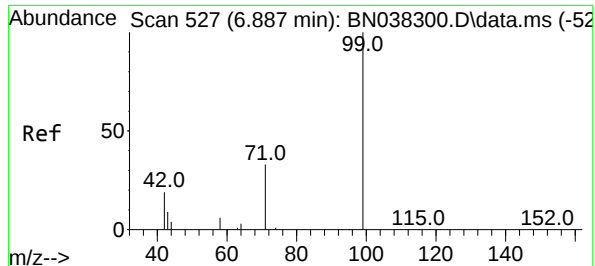
Tgt Ion: 42 Resp: 29418
Ion Ratio Lower Upper
42 100
74 115.5 95.3 142.9
44 6.8 7.9 11.9#



#4
2-Fluorophenol
Concen: 3.275 ng
RT: 5.290 min Scan# 306
Delta R.T. -0.000 min
Lab File: BN038303.D
Acq: 10 Dec 2025 12:53

Tgt Ion: 112 Resp: 50921
Ion Ratio Lower Upper
112 100
64 56.7 44.4 66.6
63 29.7 23.4 35.0

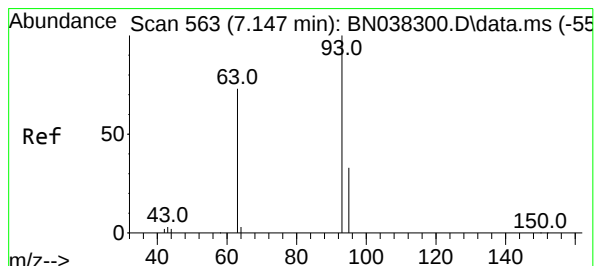
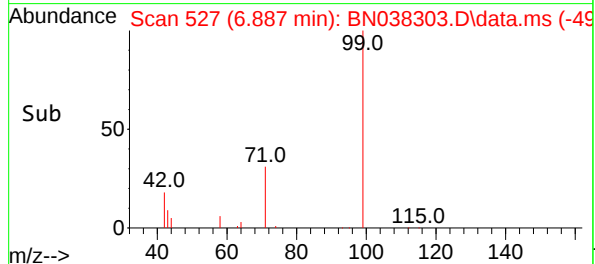
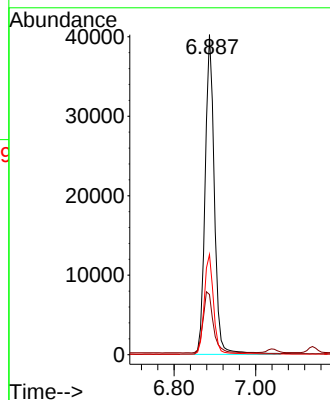
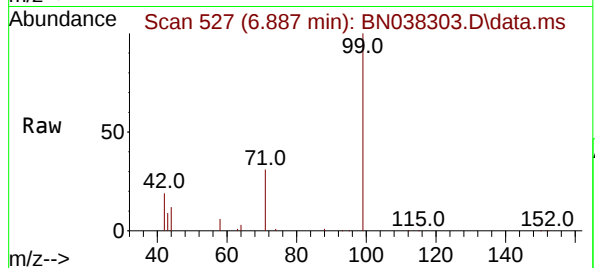




#5
Phenol-d6
Concen: 3.413 ng
RT: 6.887 min Scan# 51
Delta R.T. 0.000 min
Lab File: BN038303.D
Acq: 10 Dec 2025 12:53

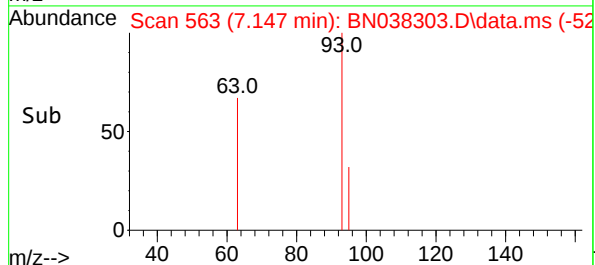
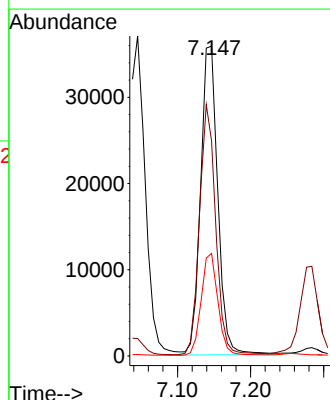
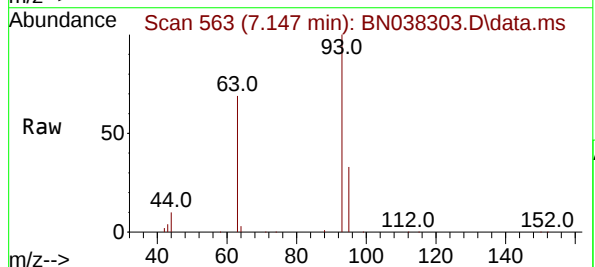
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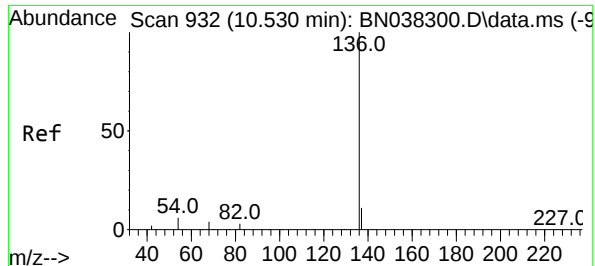
Tgt Ion: 99 Resp: 63079
Ion Ratio Lower Upper
99 100
42 21.3 16.5 24.7
71 31.7 24.9 37.3



#6
bis(2-Chloroethyl)ether
Concen: 3.250 ng
RT: 7.147 min Scan# 563
Delta R.T. 0.000 min
Lab File: BN038303.D
Acq: 10 Dec 2025 12:53

Tgt Ion: 93 Resp: 58758
Ion Ratio Lower Upper
93 100
63 75.7 59.2 88.8
95 32.0 25.2 37.8

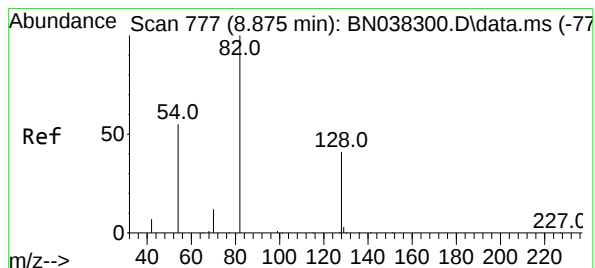
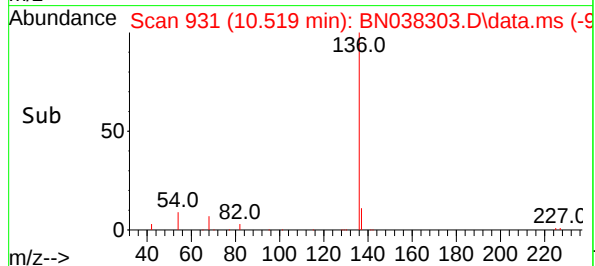
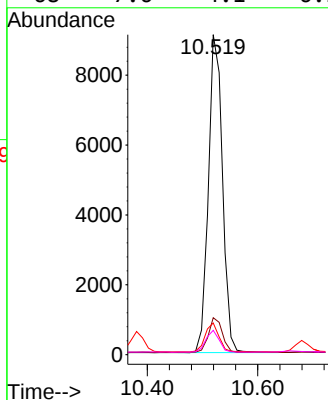
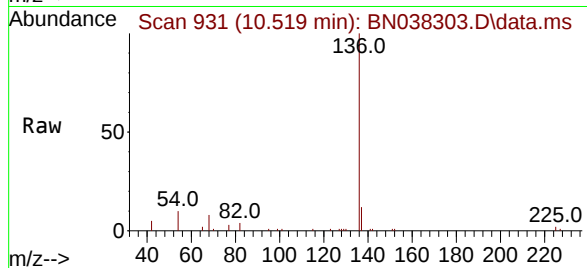




#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.519 min Scan# 91
Delta R.T. -0.011 min
Lab File: BN038303.D
Acq: 10 Dec 2025 12:53

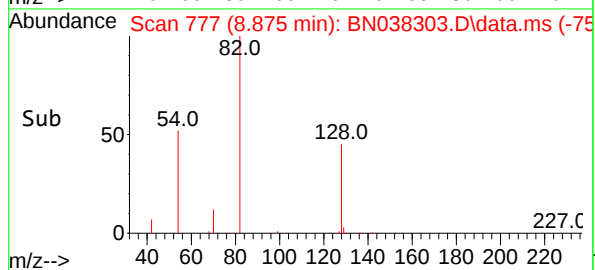
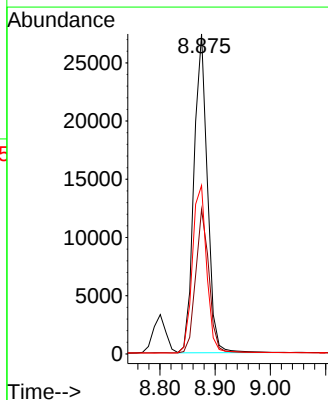
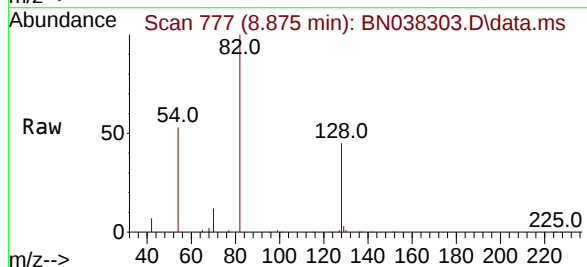
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ClientSampleId :
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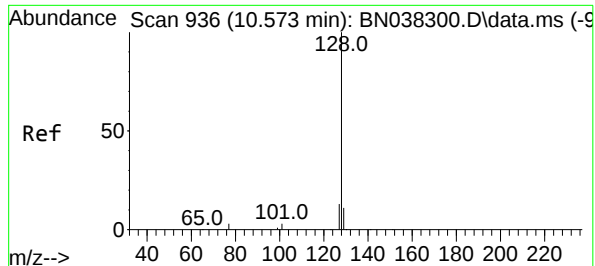
Tgt Ion	136	137	54	68
Resp:	16175	11.5	9.9	7.6
Lower		9.1	5.2	4.1
Upper		13.7	7.8#	6.1#



#8
Nitrobenzene-d5
Concen: 3.397 ng
RT: 8.875 min Scan# 777
Delta R.T. -0.000 min
Lab File: BN038303.D
Acq: 10 Dec 2025 12:53

Tgt Ion	82	128	54
Resp:	46345	45.2	52.6
Lower		34.0	44.4
Upper		51.0	66.6

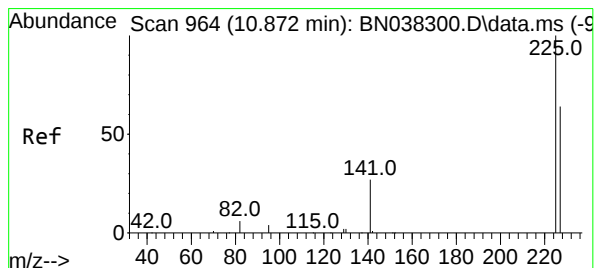
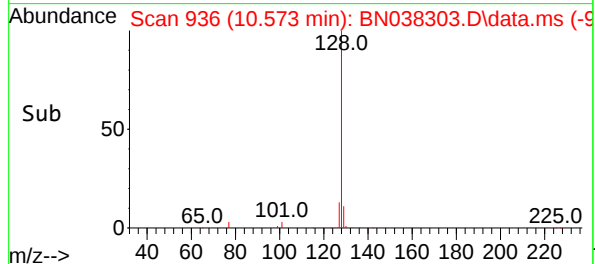
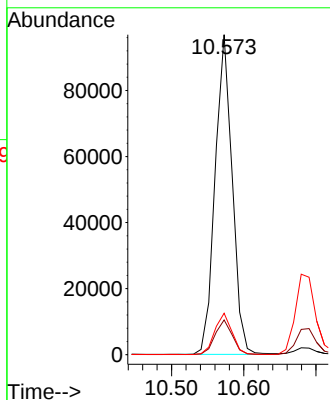
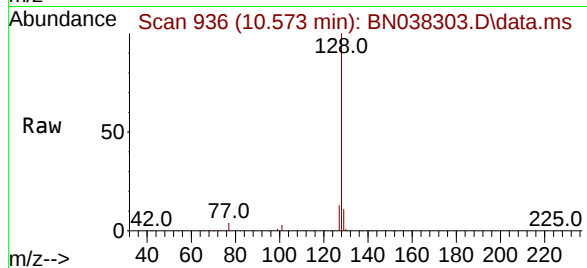




#9
Naphthalene
Concen: 3.331 ng
RT: 10.573 min Scan# 91
Delta R.T. -0.000 min
Lab File: BN038303.D
Acq: 10 Dec 2025 12:53

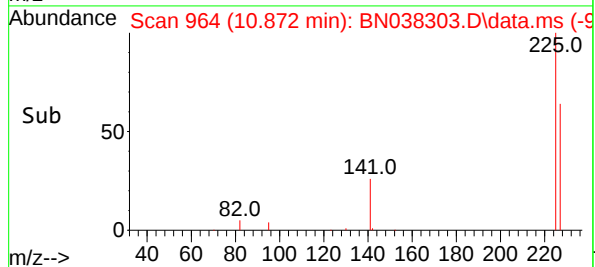
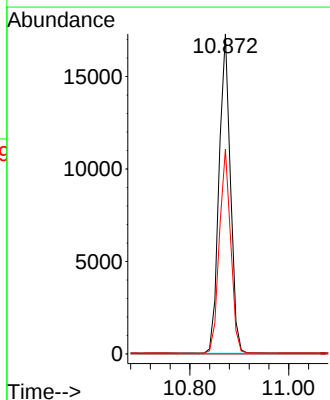
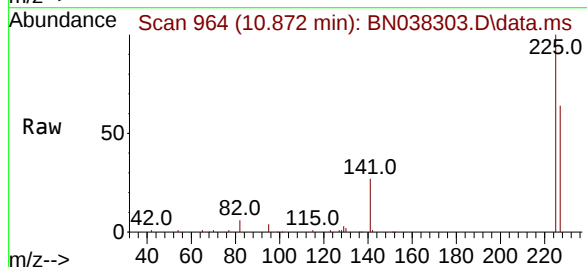
Instrument :
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ClientSampleId :
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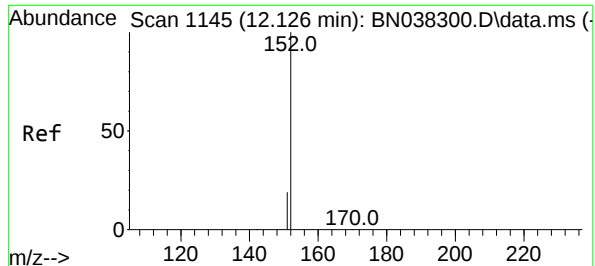
Tgt Ion:128 Resp: 159268
Ion Ratio Lower Upper
128 100
129 10.8 9.1 13.7
127 13.0 10.9 16.3



#10
Hexachlorobutadiene
Concen: 3.232 ng
RT: 10.872 min Scan# 964
Delta R.T. 0.000 min
Lab File: BN038303.D
Acq: 10 Dec 2025 12:53

Tgt Ion:225 Resp: 27470
Ion Ratio Lower Upper
225 100
223 0.0 0.0 0.0
227 63.6 51.2 76.8

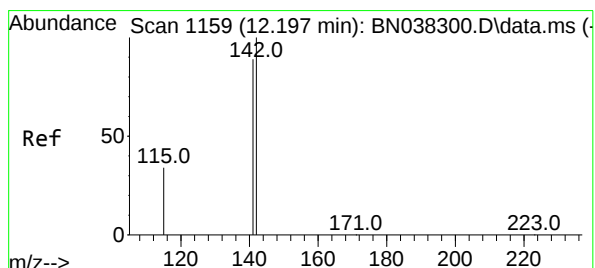
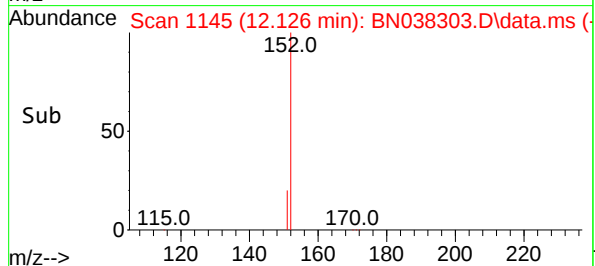
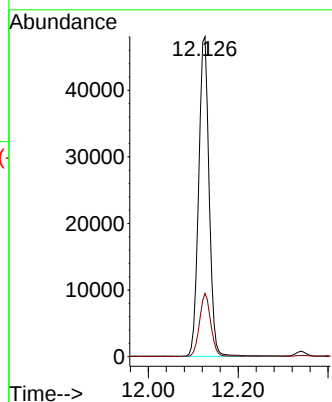
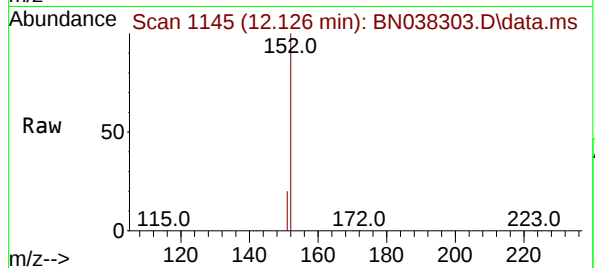




#11
2-Methylnaphthalene-d10
Concen: 3.389 ng
RT: 12.126 min Scan# 1145
Delta R.T. 0.000 min
Lab File: BN038303.D
Acq: 10 Dec 2025 12:53

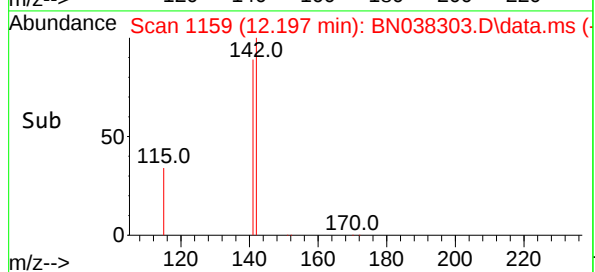
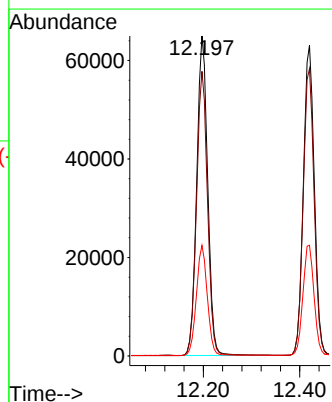
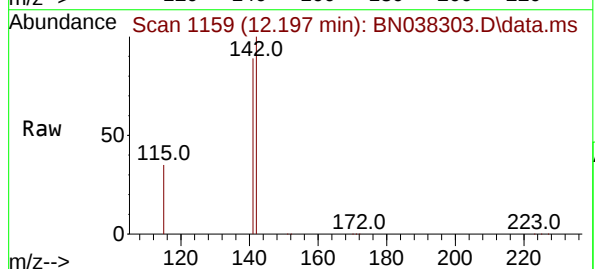
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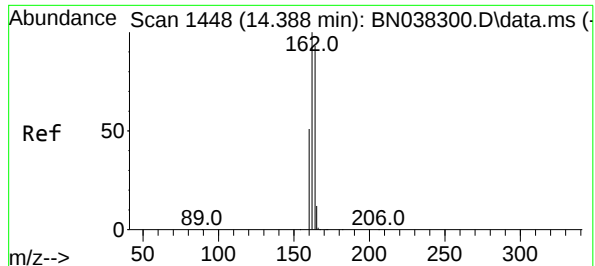
Tgt Ion:152 Resp: 77323
Ion Ratio Lower Upper
152 100
151 21.0 17.0 25.6



#12
2-Methylnaphthalene
Concen: 3.384 ng
RT: 12.197 min Scan# 1159
Delta R.T. -0.005 min
Lab File: BN038303.D
Acq: 10 Dec 2025 12:53

Tgt Ion:142 Resp: 102695
Ion Ratio Lower Upper
142 100
141 88.9 71.4 107.2
115 34.6 28.4 42.6

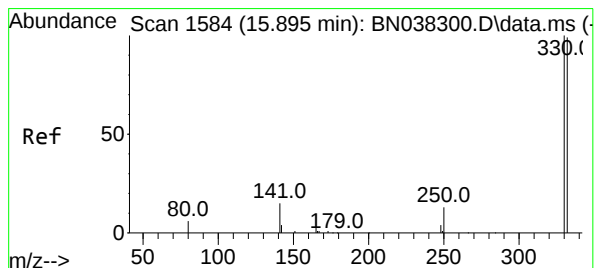
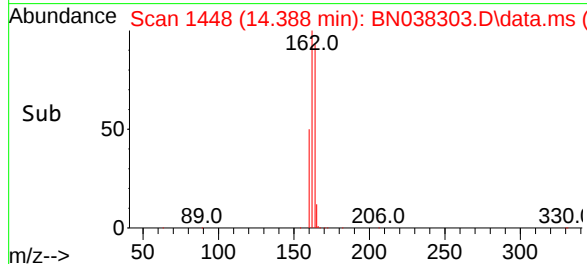
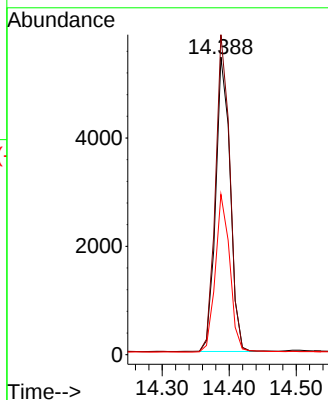
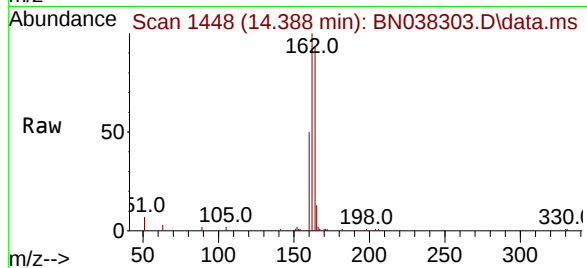




#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.388 min Scan# 1448
Delta R.T. -0.011 min
Lab File: BN038303.D
Acq: 10 Dec 2025 12:53

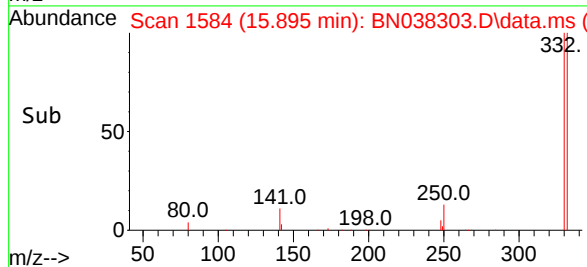
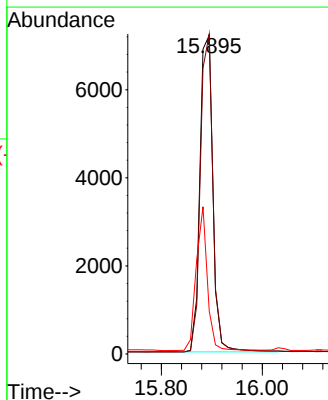
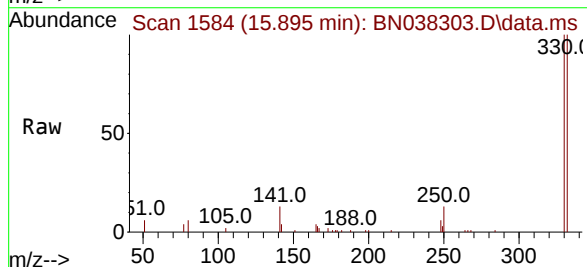
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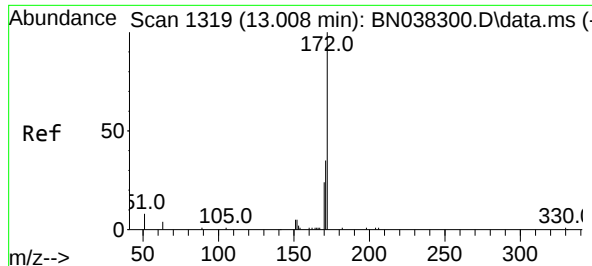
Tgt Ion:164 Resp: 8192
Ion Ratio Lower Upper
164 100
162 107.5 86.2 129.4
160 53.9 44.6 67.0



#14
2,4,6-Tribromophenol
Concen: 3.541 ng
RT: 15.895 min Scan# 1584
Delta R.T. -0.000 min
Lab File: BN038303.D
Acq: 10 Dec 2025 12:53

Tgt Ion:330 Resp: 12871
Ion Ratio Lower Upper
330 100
332 96.9 75.8 113.6
141 39.1 31.8 47.8

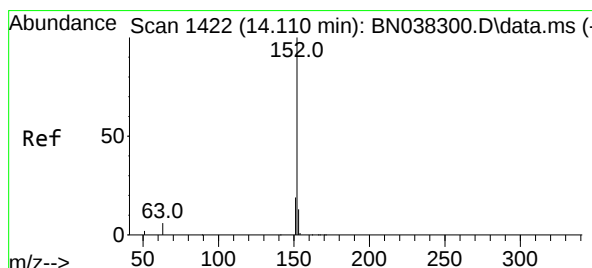
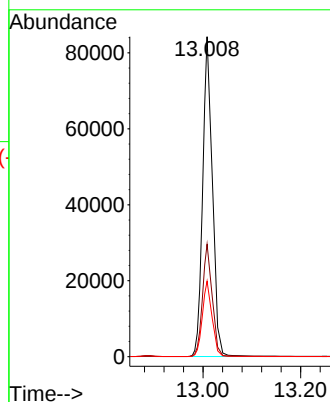
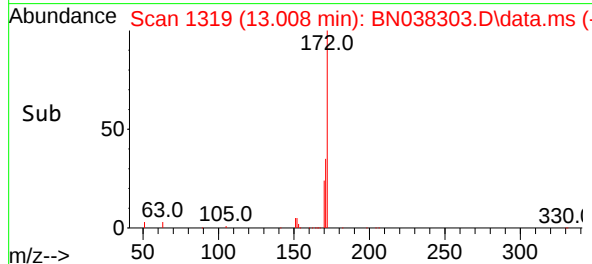
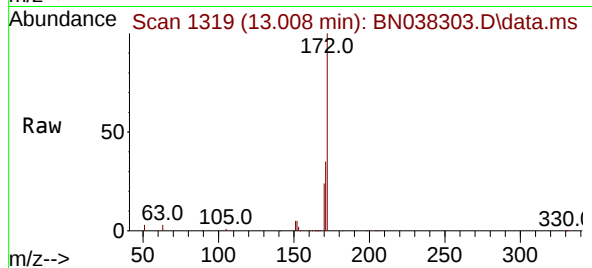




#15
2-Fluorobiphenyl
Concen: 3.398 ng
RT: 13.008 min Scan# 1319
Delta R.T. -0.000 min
Lab File: BN038303.D
Acq: 10 Dec 2025 12:53

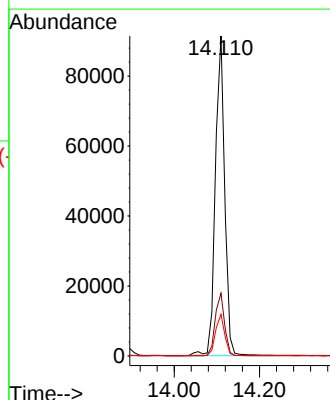
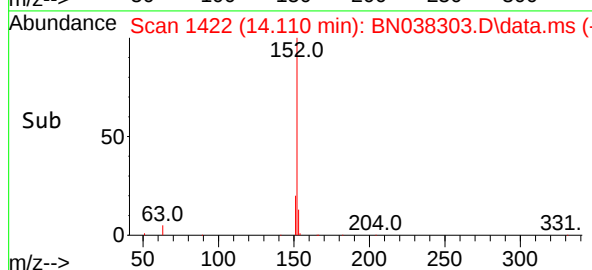
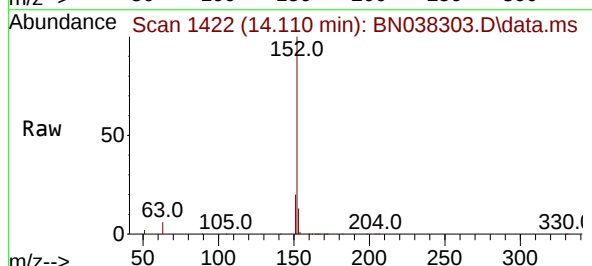
Instrument :
BNA_N
ClientSampleId :
SSTDICC3.2

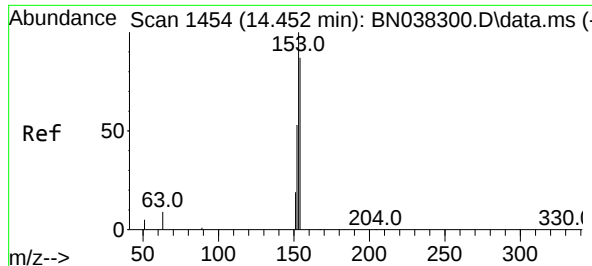
Tgt Ion:172 Resp: 134089
Ion Ratio Lower Upper
172 100
171 35.2 28.6 42.8
170 23.6 19.3 28.9



#16
Acenaphthylene
Concen: 3.469 ng
RT: 14.110 min Scan# 1422
Delta R.T. -0.000 min
Lab File: BN038303.D
Acq: 10 Dec 2025 12:53

Tgt Ion:152 Resp: 139550
Ion Ratio Lower Upper
152 100
151 19.5 15.4 23.2
153 12.9 10.2 15.4

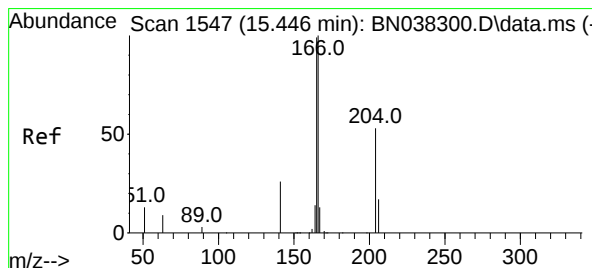
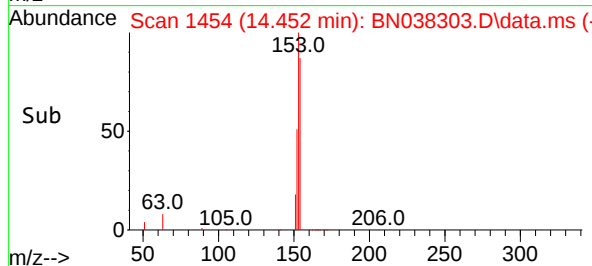
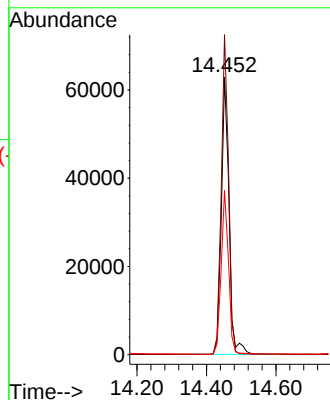
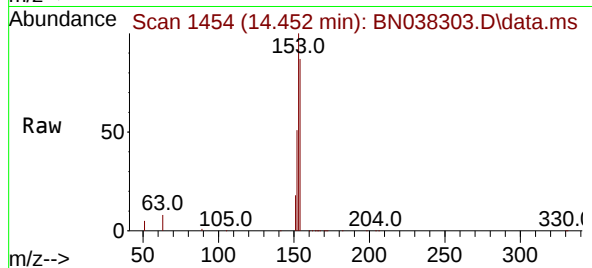




#17
Acenaphthene
Concen: 3.413 ng
RT: 14.452 min Scan# 1454
Delta R.T. -0.011 min
Lab File: BN038303.D
Acq: 10 Dec 2025 12:53

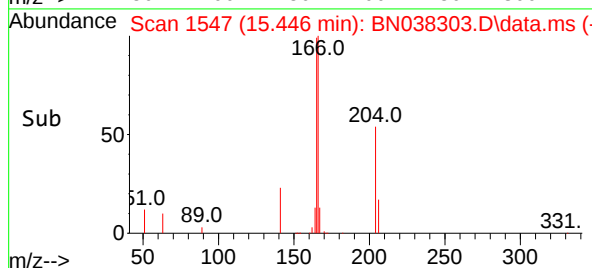
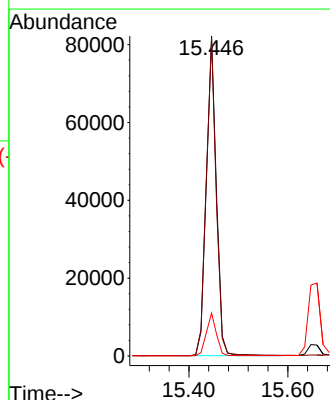
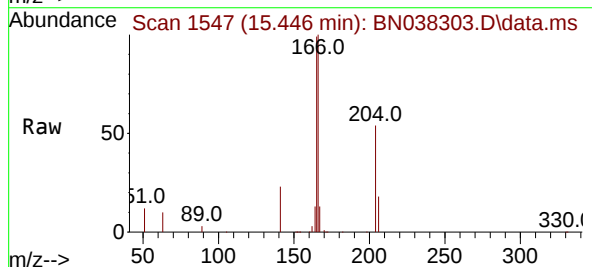
Instrument :
BNA_N
ClientSampleId :
SSTDICC3.2

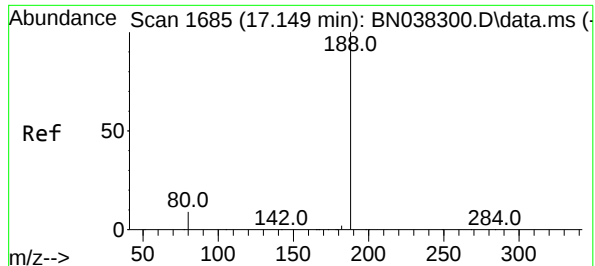
Tgt Ion	Ratio	Lower	Upper
154	100		
153	109.5	89.8	134.8
152	56.6	47.5	71.3



#18
Fluorene
Concen: 3.357 ng
RT: 15.446 min Scan# 1547
Delta R.T. -0.000 min
Lab File: BN038303.D
Acq: 10 Dec 2025 12:53

Tgt Ion	Ratio	Lower	Upper
166	100		
165	99.0	80.2	120.4
167	13.1	10.6	16.0





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 17.148 min Scan# 1

Delta R.T. -0.000 min

Lab File: BN038303.D

Acq: 10 Dec 2025 12:53

Instrument :

BNA_N

ClientSampleId :

SSTDICC3.2

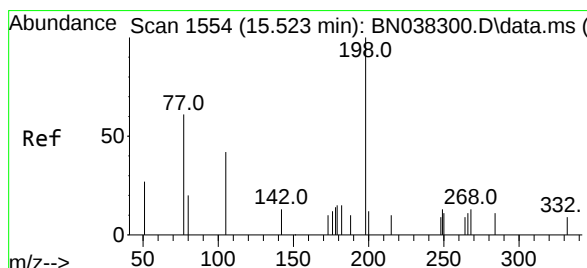
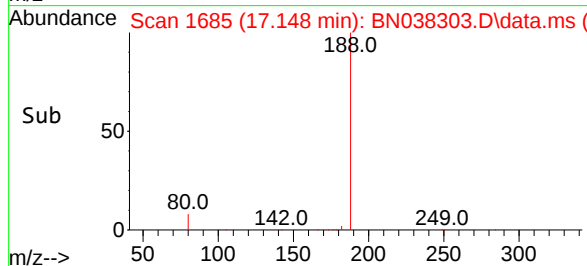
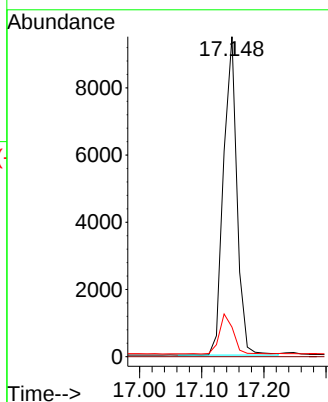
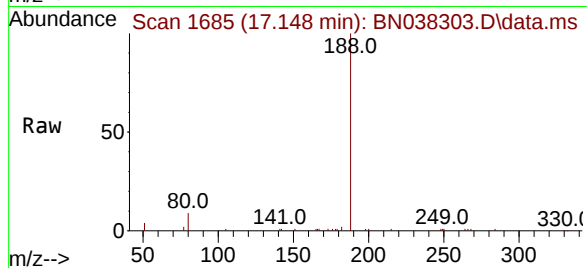
Tgt Ion:188 Resp: 14208

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

80 9.2 7.4 11.0



#20

4,6-Dinitro-2-methylphenol

Concen: 4.128 ng

RT: 15.522 min Scan# 1554

Delta R.T. 0.000 min

Lab File: BN038303.D

Acq: 10 Dec 2025 12:53

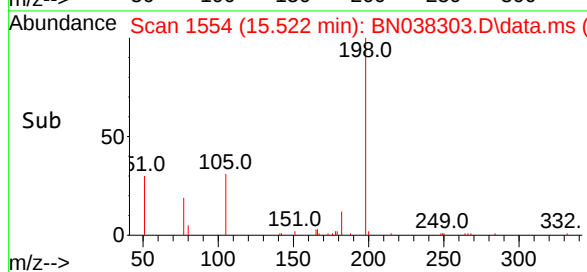
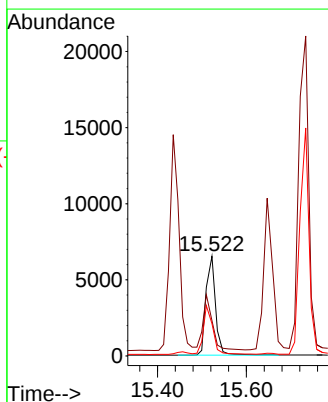
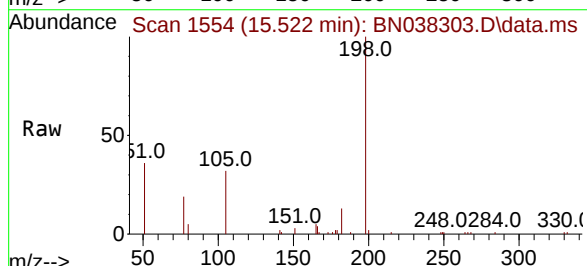
Tgt Ion:198 Resp: 9649

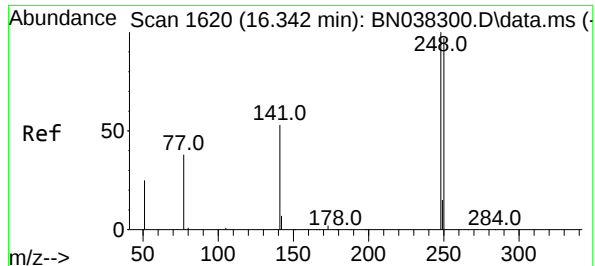
Ion Ratio Lower Upper

198 100

51 35.5 86.3 129.5#

105 32.4 45.3 67.9#

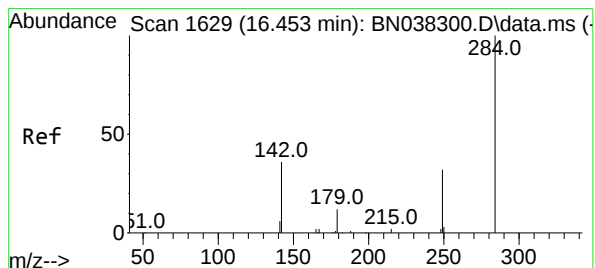
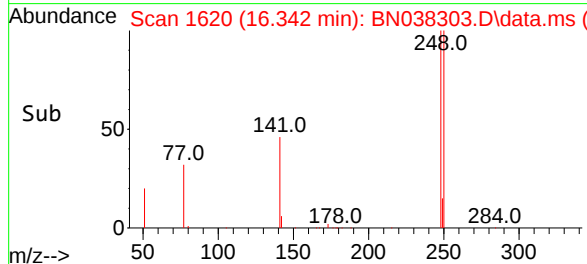
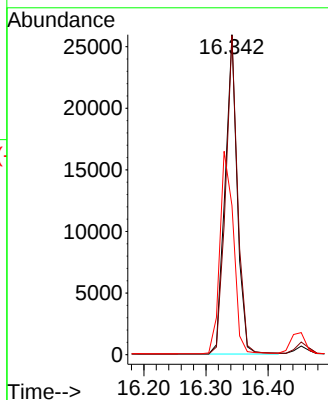
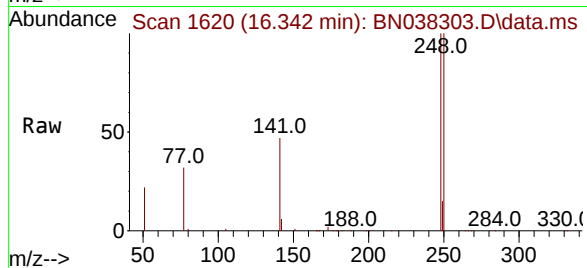




#21
4-Bromophenyl-phenylether
Concen: 3.344 ng
RT: 16.342 min Scan# 1620
Delta R.T. -0.000 min
Lab File: BN038303.D
Acq: 10 Dec 2025 12:53

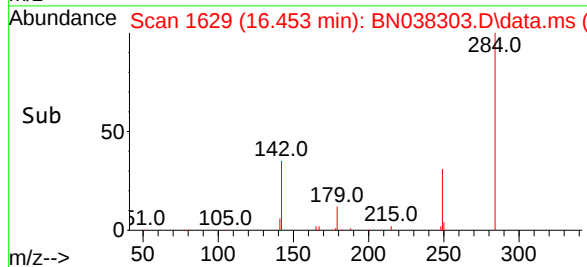
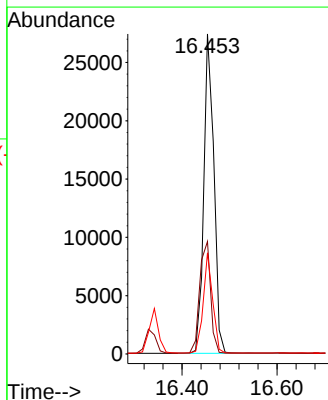
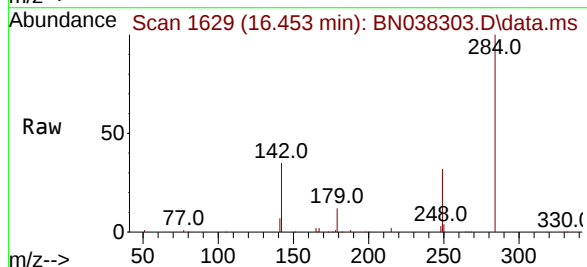
Instrument :
BNA_N
ClientSampleId :
SSTDICC3.2

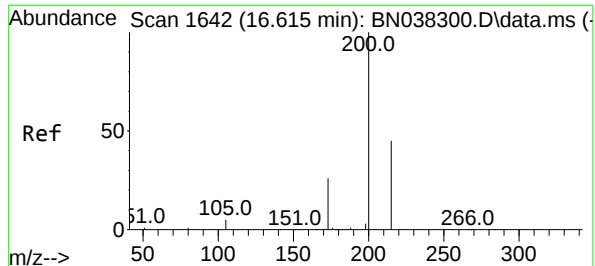
Tgt Ion	Ratio	Lower	Upper
248	100		
250	99.8	78.2	117.2
141	46.6	43.7	65.5



#22
Hexachlorobenzene
Concen: 3.207 ng
RT: 16.453 min Scan# 1629
Delta R.T. -0.012 min
Lab File: BN038303.D
Acq: 10 Dec 2025 12:53

Tgt Ion	Ratio	Lower	Upper
284	100		
142	37.8	29.5	44.3
249	29.5	23.7	35.5

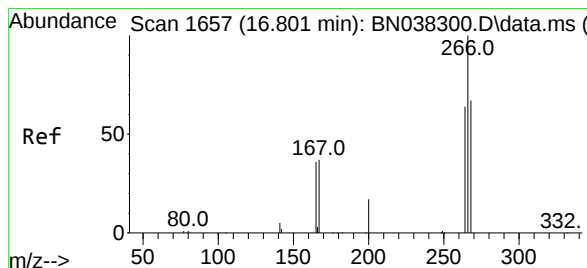
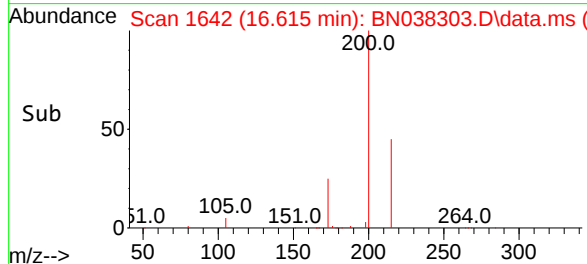
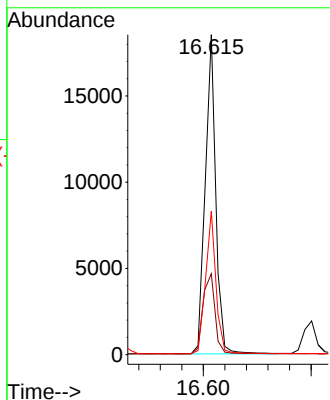
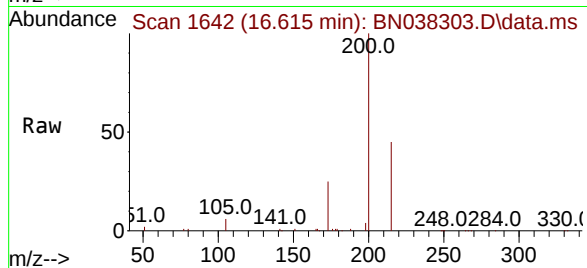




#23
Atrazine
Concen: 3.487 ng
RT: 16.615 min Scan# 1642
Delta R.T. -0.000 min
Lab File: BN038303.D
Acq: 10 Dec 2025 12:53

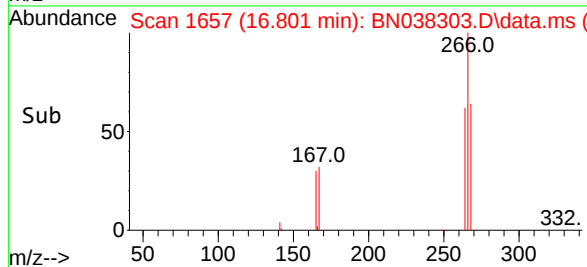
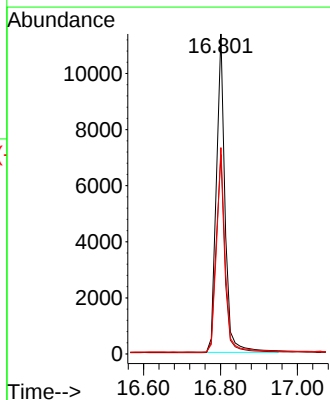
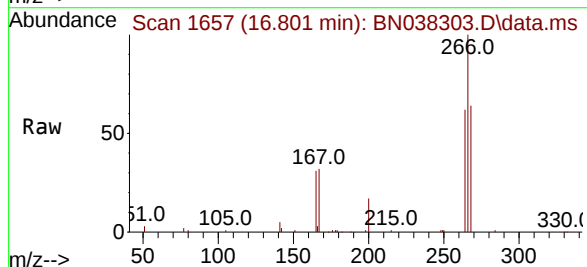
Instrument :
BNA_N
ClientSampleId :
SSTDICC3.2

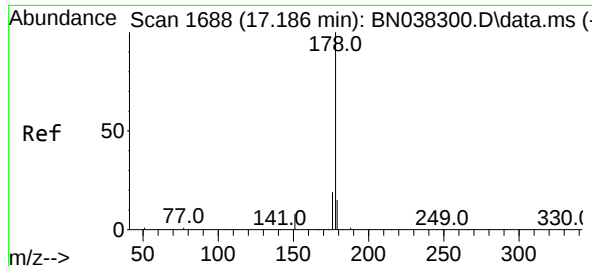
Tgt Ion	Ratio	Lower	Upper
200	100		
173	25.3	22.1	33.1
215	44.9	37.4	56.2



#24
Pentachlorophenol
Concen: 3.592 ng
RT: 16.801 min Scan# 1657
Delta R.T. 0.000 min
Lab File: BN038303.D
Acq: 10 Dec 2025 12:53

Tgt Ion	Ratio	Lower	Upper
266	100		
264	62.7	50.2	75.2
268	63.9	52.6	78.8

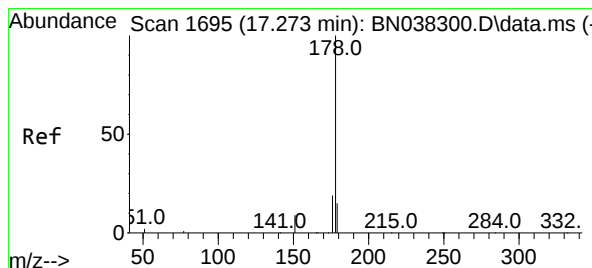
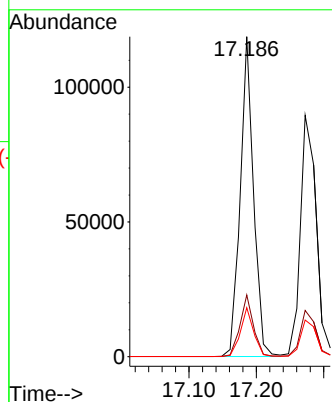
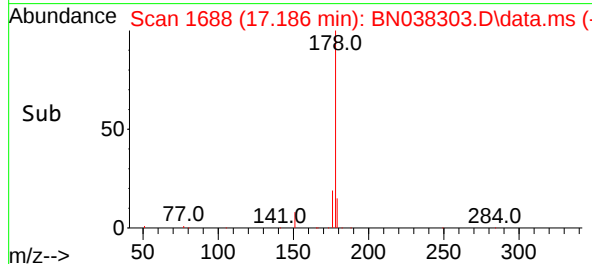
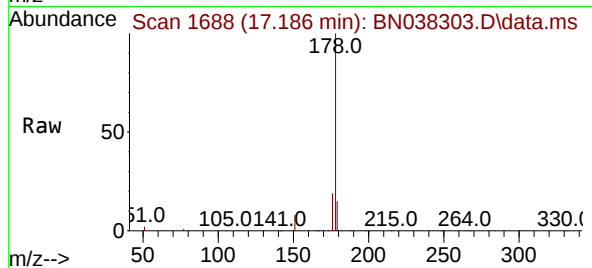




#25
Phenanthrene
Concen: 3.308 ng
RT: 17.186 min Scan# 1688
Delta R.T. 0.000 min
Lab File: BN038303.D
Acq: 10 Dec 2025 12:53

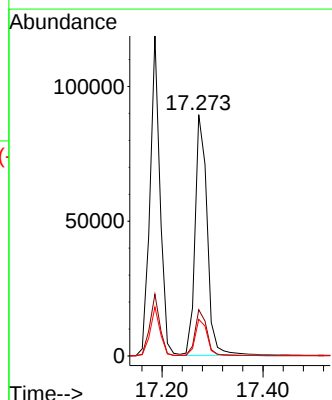
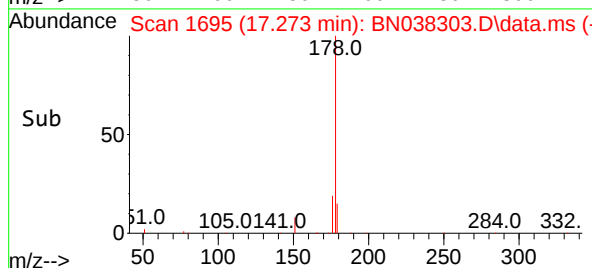
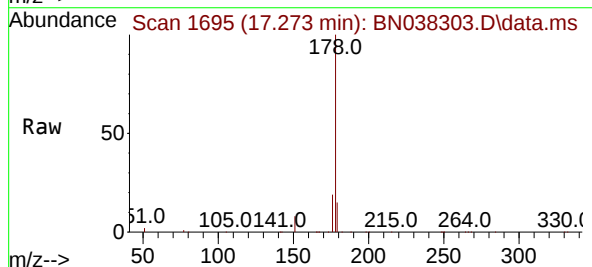
Instrument :
BNA_N
ClientSampleId :
SSTDICC3.2

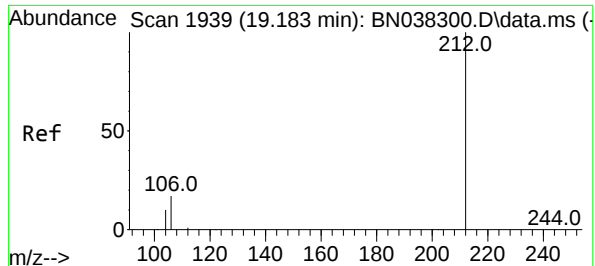
Tgt Ion:178 Resp: 163576
Ion Ratio Lower Upper
178 100
176 19.4 15.5 23.3
179 15.2 12.2 18.2



#26
Anthracene
Concen: 3.479 ng
RT: 17.273 min Scan# 1695
Delta R.T. -0.012 min
Lab File: BN038303.D
Acq: 10 Dec 2025 12:53

Tgt Ion:178 Resp: 148322
Ion Ratio Lower Upper
178 100
176 18.8 15.1 22.7
179 15.3 12.0 18.0





#27

Fluoranthene-d10

Concen: 3.381 ng

RT: 19.183 min Scan# 1939

Delta R.T. -0.005 min

Lab File: BN038303.D

Acq: 10 Dec 2025 12:53

Instrument :

BNA_N

ClientSampleId :

SSTDICC3.2

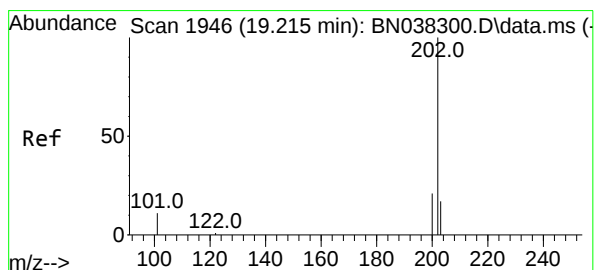
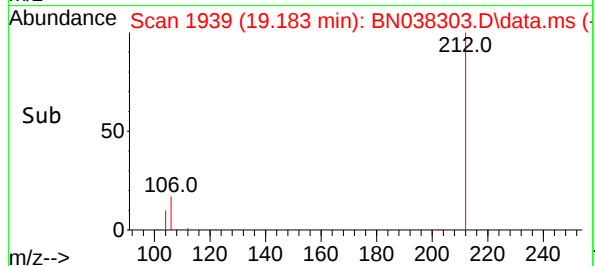
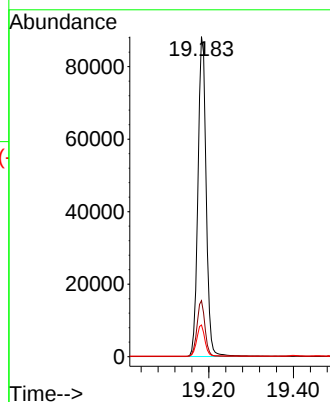
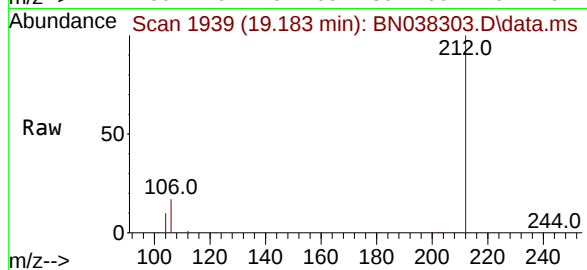
Tgt Ion:212 Resp: 118814

Ion Ratio Lower Upper

212 100

106 17.1 13.7 20.5

104 9.7 7.8 11.8



#28

Fluoranthene

Concen: 3.377 ng

RT: 19.215 min Scan# 1946

Delta R.T. -0.005 min

Lab File: BN038303.D

Acq: 10 Dec 2025 12:53

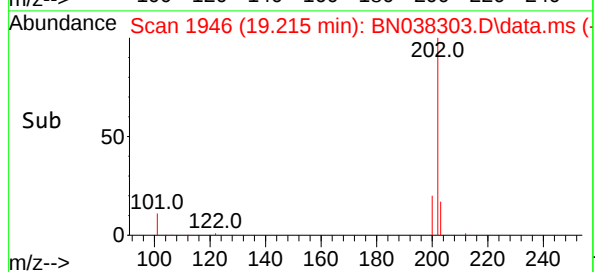
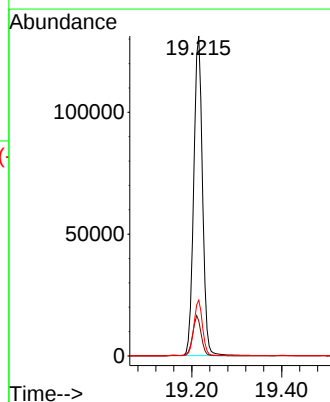
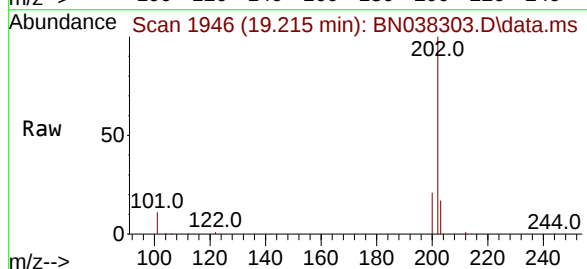
Tgt Ion:202 Resp: 177518

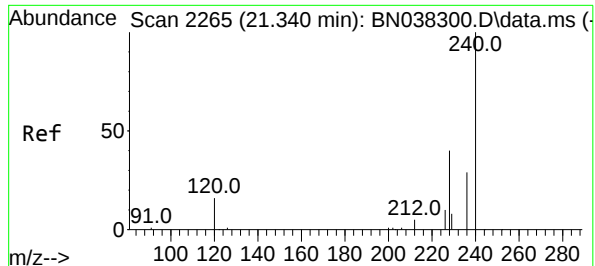
Ion Ratio Lower Upper

202 100

101 12.4 9.6 14.4

203 17.2 13.5 20.3





#29

Chrysene-d12

Concen: 0.400 ng

RT: 21.340 min Scan# 21

Delta R.T. -0.000 min

Lab File: BN038303.D

Acq: 10 Dec 2025 12:53

Instrument :

BNA_N

ClientSampleId :

SSTDICC3.2

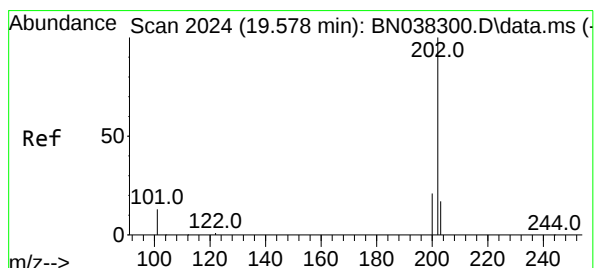
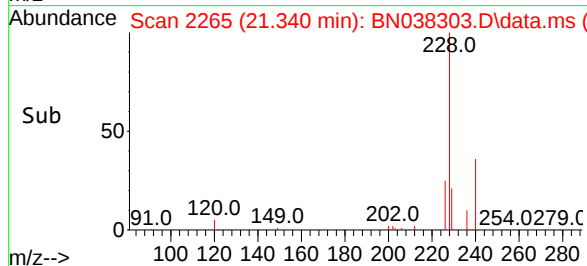
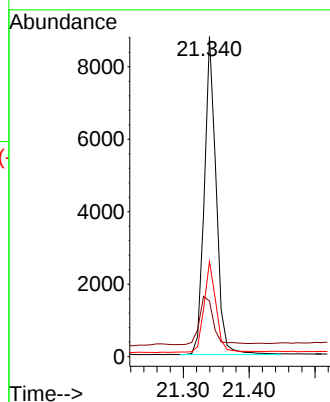
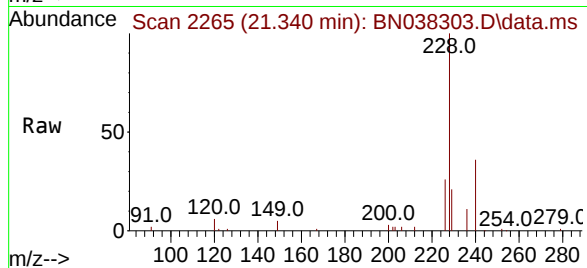
Tgt Ion:240 Resp: 11022

Ion Ratio Lower Upper

240 100

120 17.4 15.4 23.2

236 29.8 23.9 35.9



#30

Pyrene

Concen: 3.287 ng

RT: 19.578 min Scan# 2024

Delta R.T. -0.005 min

Lab File: BN038303.D

Acq: 10 Dec 2025 12:53

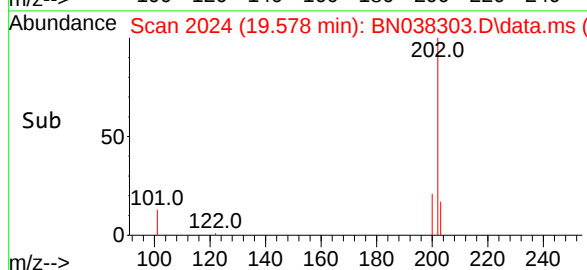
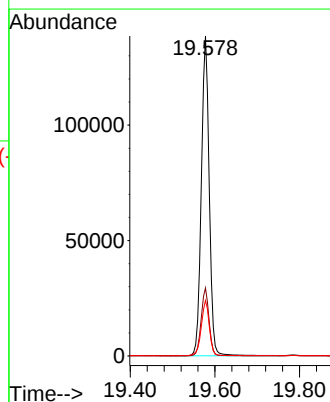
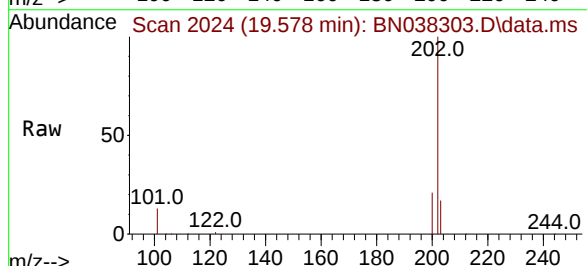
Tgt Ion:202 Resp: 178334

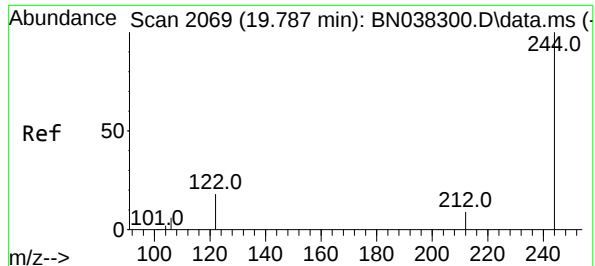
Ion Ratio Lower Upper

202 100

200 21.2 16.9 25.3

203 17.7 14.2 21.2

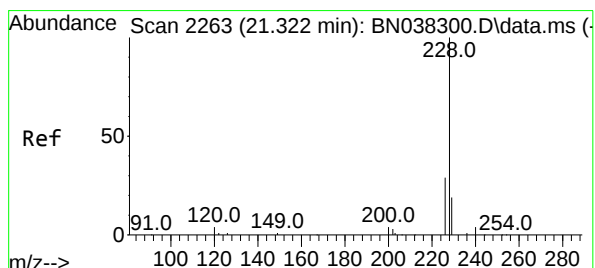
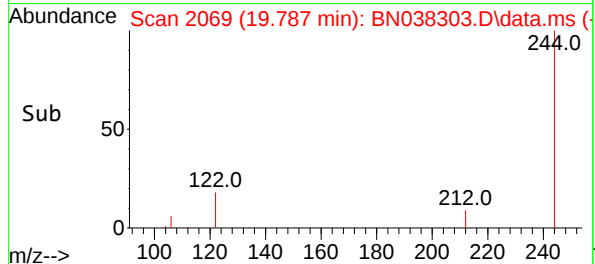
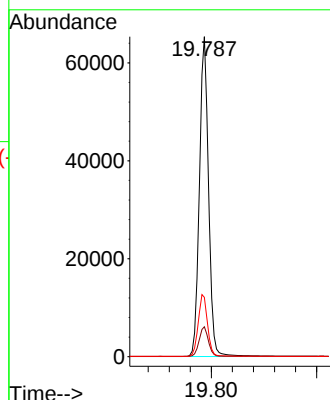
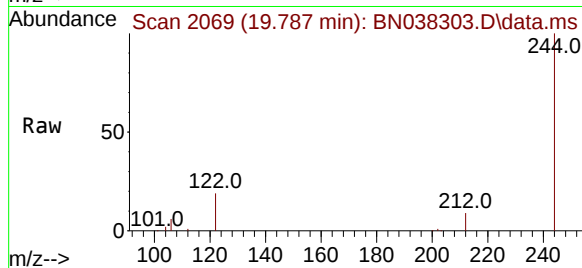




#31
Terphenyl-d14
Concen: 3.202 ng
RT: 19.787 min Scan# 2069
Delta R.T. -0.005 min
Lab File: BN038303.D
Acq: 10 Dec 2025 12:53

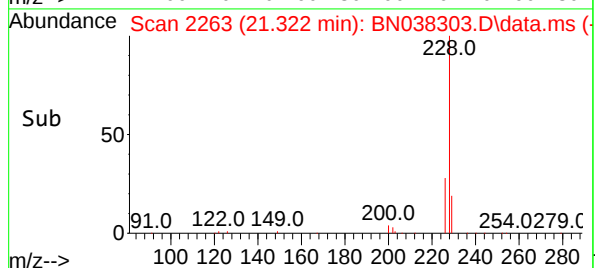
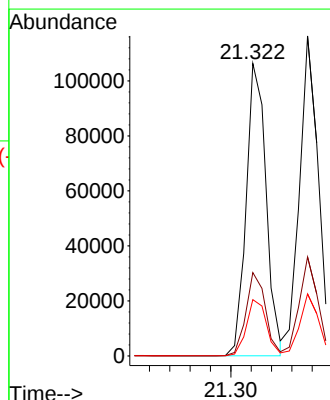
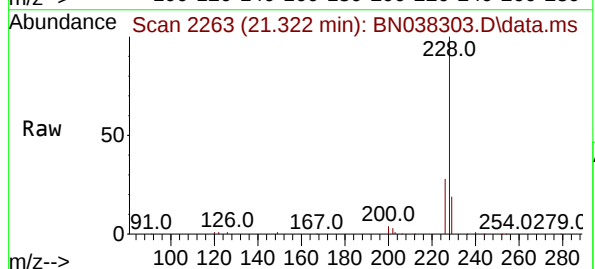
Instrument :
BNA_N
ClientSampleId :
SSTDICC3.2

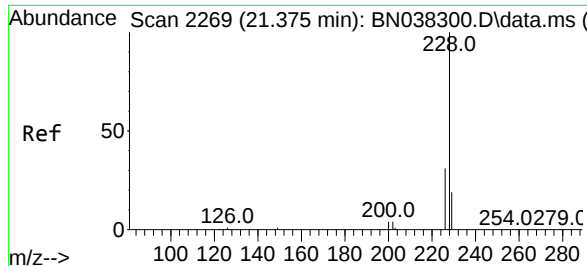
Tgt Ion	Ratio	Lower	Upper
244	100		
212	9.3	7.9	11.9
122	18.5	15.0	22.6



#32
Benzo(a)anthracene
Concen: 3.391 ng
RT: 21.322 min Scan# 2263
Delta R.T. -0.009 min
Lab File: BN038303.D
Acq: 10 Dec 2025 12:53

Tgt Ion	Ratio	Lower	Upper
228	100		
226	28.5	23.3	34.9
229	19.3	15.7	23.5





#33

Chrysene

Concen: 3.281 ng

RT: 21.375 min Scan# 21

Delta R.T. -0.000 min

Lab File: BN038303.D

Acq: 10 Dec 2025 12:53

Instrument :

BNA_N

ClientSampleId :

SSTDICC3.2

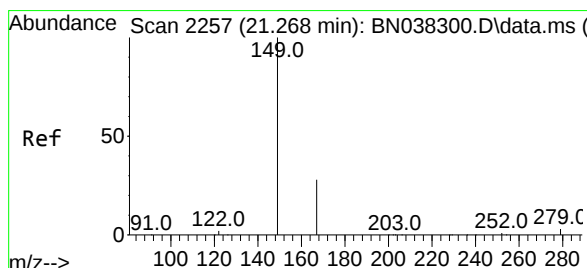
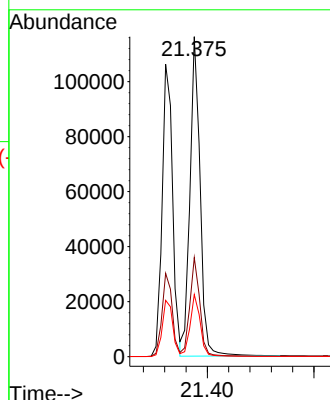
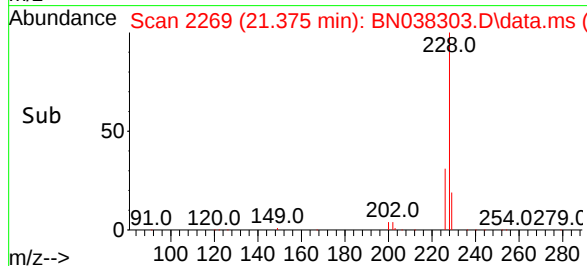
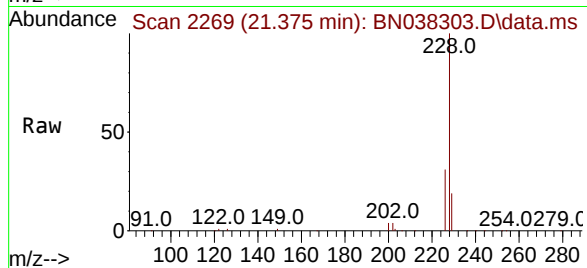
Tgt Ion:228 Resp: 153835

Ion Ratio Lower Upper

228 100

226 31.0 25.0 37.4

229 19.4 15.5 23.3



#34

Bis(2-ethylhexyl)phthalate

Concen: 3.126 ng

RT: 21.268 min Scan# 2257

Delta R.T. -0.000 min

Lab File: BN038303.D

Acq: 10 Dec 2025 12:53

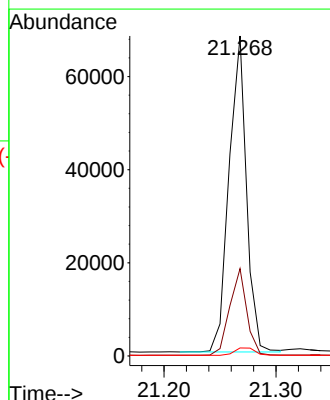
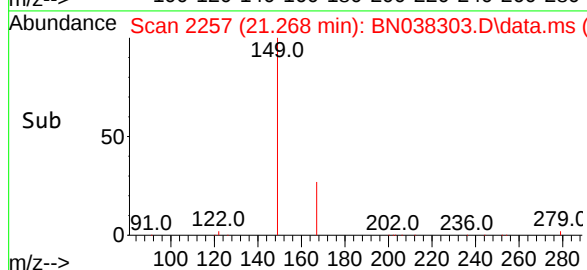
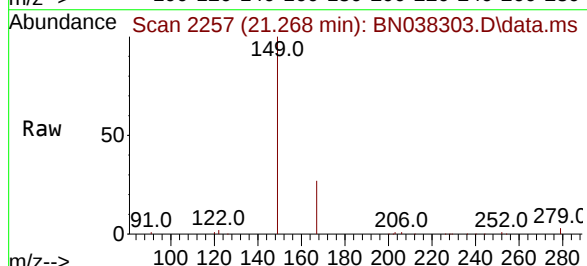
Tgt Ion:149 Resp: 73028

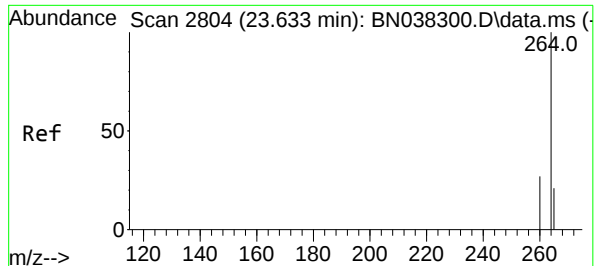
Ion Ratio Lower Upper

149 100

167 26.9 21.4 32.0

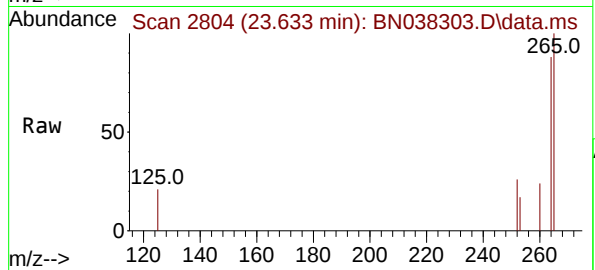
279 2.8 2.4 3.6



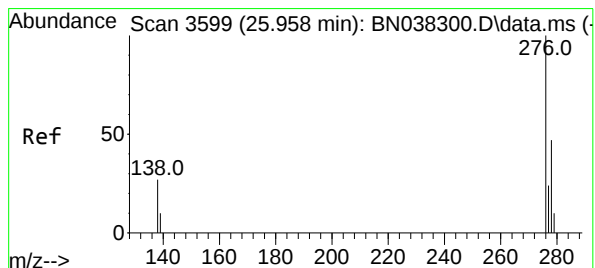
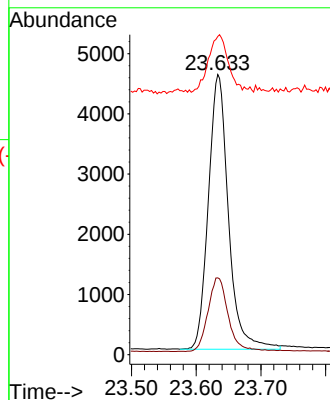
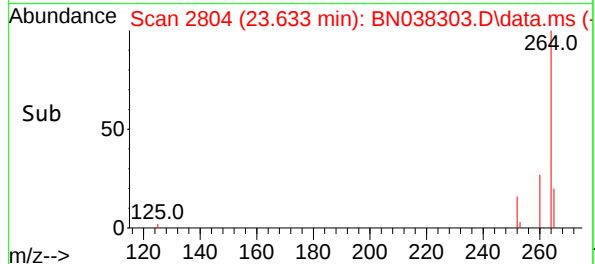


#35
Perylene-d12
Concen: 0.400 ng
RT: 23.633 min Scan# 21
Delta R.T. -0.000 min
Lab File: BN038303.D
Acq: 10 Dec 2025 12:53

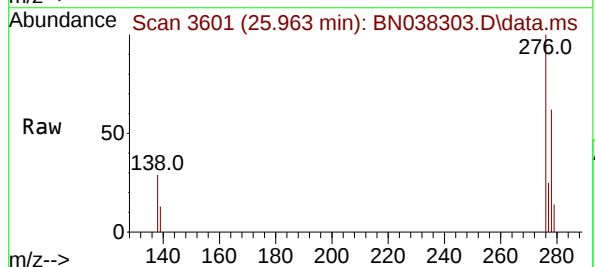
Instrument :
BNA_N
ClientSampleId :
SSTDICC3.2



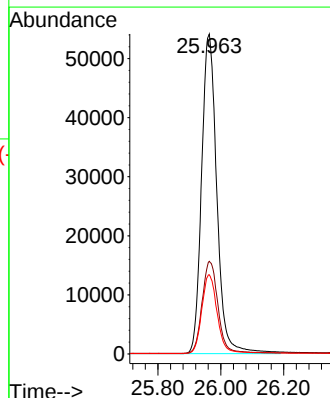
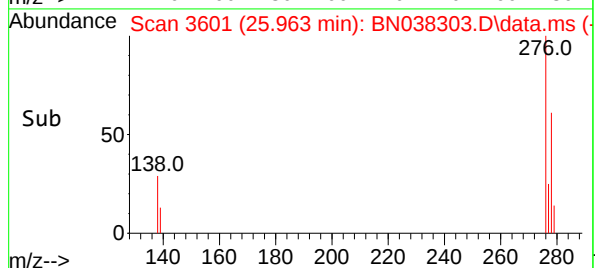
Tgt Ion:264 Resp: 9816
Ion Ratio Lower Upper
264 100
260 27.4 22.2 33.2
265 113.6 80.2 120.2

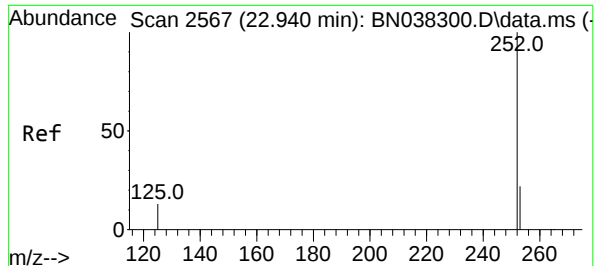


#36
Indeno(1,2,3-cd)pyrene
Concen: 3.499 ng
RT: 25.963 min Scan# 3601
Delta R.T. -0.000 min
Lab File: BN038303.D
Acq: 10 Dec 2025 12:53



Tgt Ion:276 Resp: 182271
Ion Ratio Lower Upper
276 100
138 29.9 23.6 35.4
277 24.8 19.7 29.5





#37

Benzo(b)fluoranthene

Concen: 3.460 ng

RT: 22.940 min Scan# 2567

Delta R.T. -0.006 min

Lab File: BN038303.D

Acq: 10 Dec 2025 12:53

Instrument :

BNA_N

ClientSampleId :

SSTDICC3.2

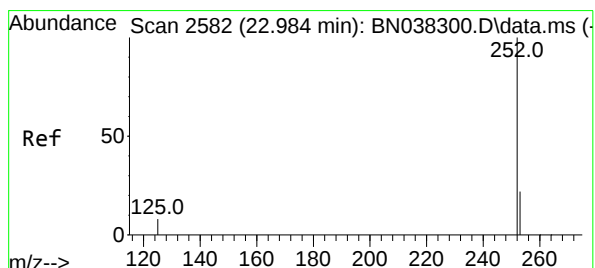
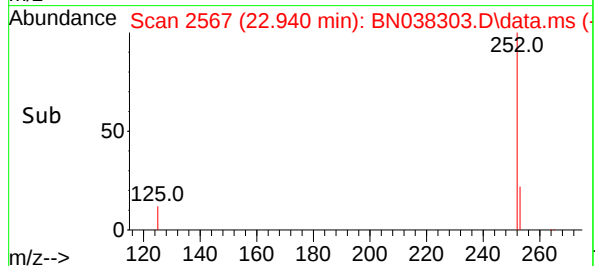
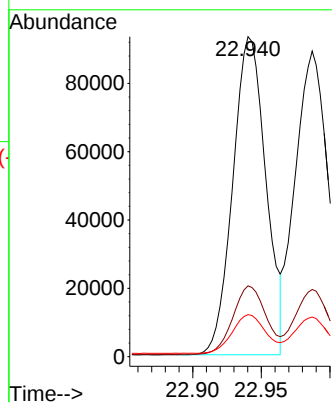
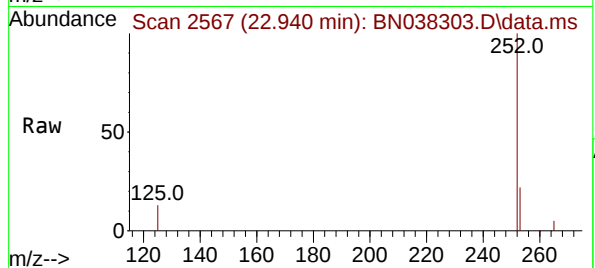
Tgt Ion:252 Resp: 155996

Ion Ratio Lower Upper

252 100

253 22.2 21.1 31.7

125 13.1 16.4 24.6#



#38

Benzo(k)fluoranthene

Concen: 3.505 ng

RT: 22.987 min Scan# 2583

Delta R.T. -0.003 min

Lab File: BN038303.D

Acq: 10 Dec 2025 12:53

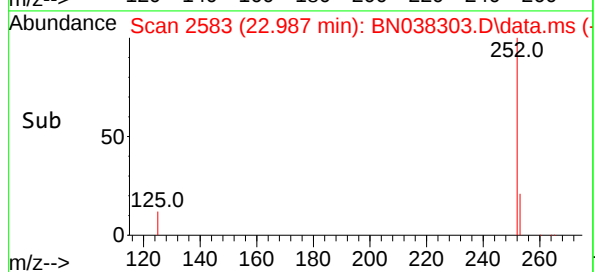
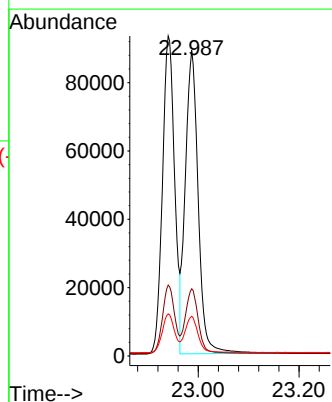
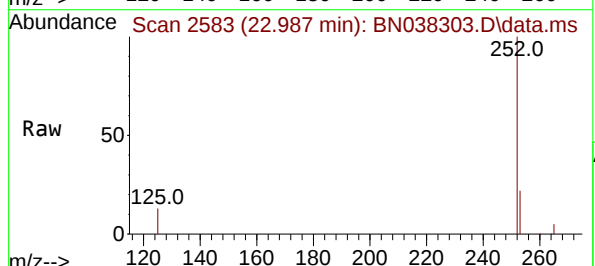
Tgt Ion:252 Resp: 157545

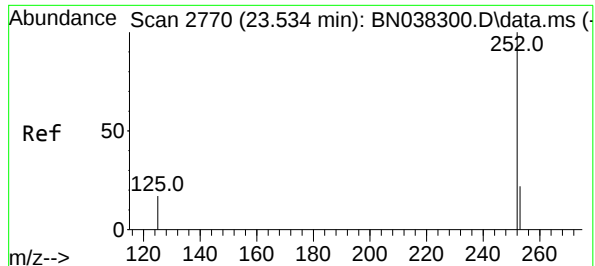
Ion Ratio Lower Upper

252 100

253 22.0 21.4 32.0

125 13.0 16.2 24.2#





#39

Benzo(a)pyrene

Concen: 3.490 ng

RT: 23.534 min Scan# 21

Delta R.T. 0.000 min

Lab File: BN038303.D

Acq: 10 Dec 2025 12:53

Instrument :

BNA_N

ClientSampleId :

SSTDICC3.2

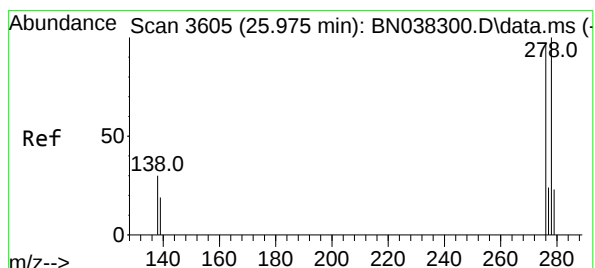
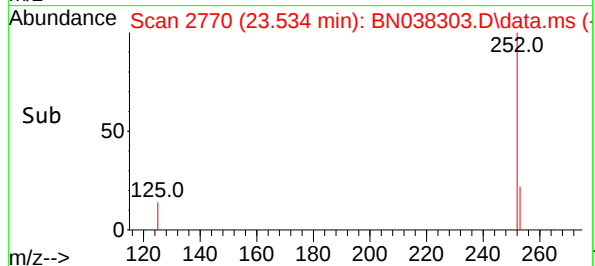
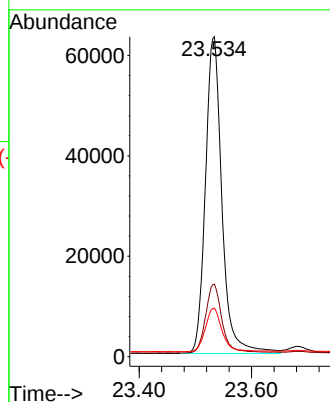
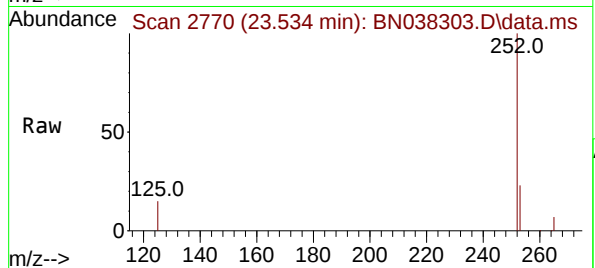
Tgt Ion:252 Resp: 128763

Ion Ratio Lower Upper

252 100

253 22.7 23.3 34.9#

125 15.2 22.4 33.6#



#40

Dibenzo(a,h)anthracene

Concen: 3.565 ng

RT: 25.978 min Scan# 3606

Delta R.T. -0.003 min

Lab File: BN038303.D

Acq: 10 Dec 2025 12:53

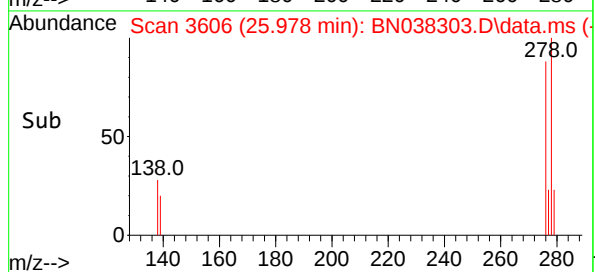
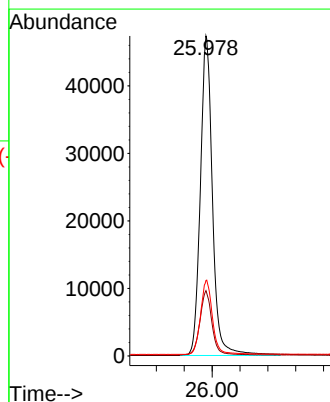
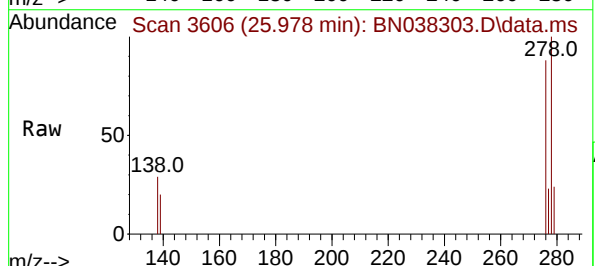
Tgt Ion:278 Resp: 143161

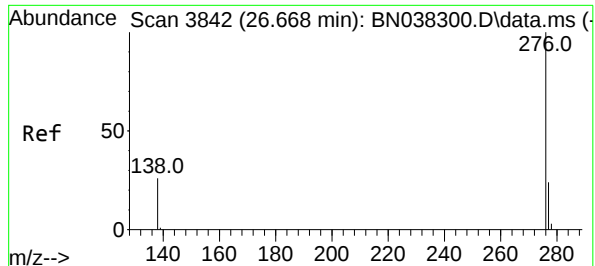
Ion Ratio Lower Upper

278 100

139 20.4 17.8 26.8

279 23.6 21.3 31.9





#41

Benzo(g,h,i)perylene

Concen: 3.439 ng

RT: 26.668 min Scan# 3842

Delta R.T. -0.009 min

Lab File: BN038303.D

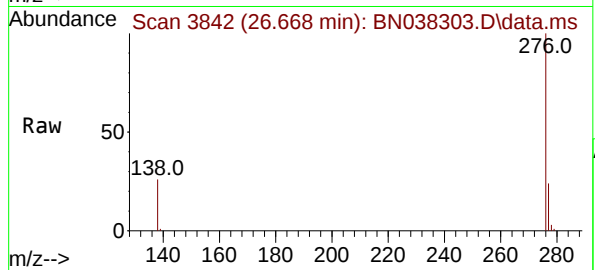
Acq: 10 Dec 2025 12:53

Instrument :

BNA_N

ClientSampleId :

SSTDICC3.2



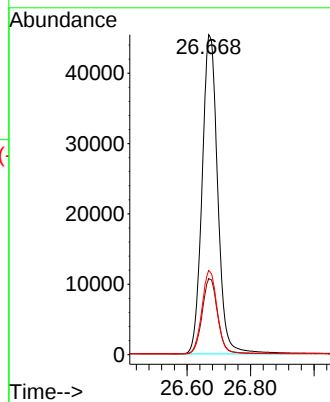
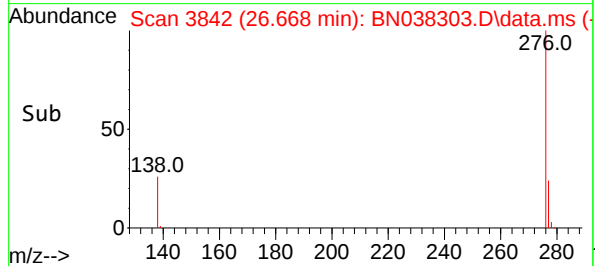
Tgt Ion:276 Resp: 154373

Ion Ratio Lower Upper

276 100

277 23.8 20.0 30.0

138 26.3 21.8 32.6



Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN121025\
 Data File : BN038304.D
 Acq On : 10 Dec 2025 13:30
 Operator : RC/JU
 Sample : SSTDICC5.0
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 SSTDICC5.0

Quant Time: Dec 10 14:00:51 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN121025.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Dec 10 13:56:50 2025
 Response via : Initial Calibration

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

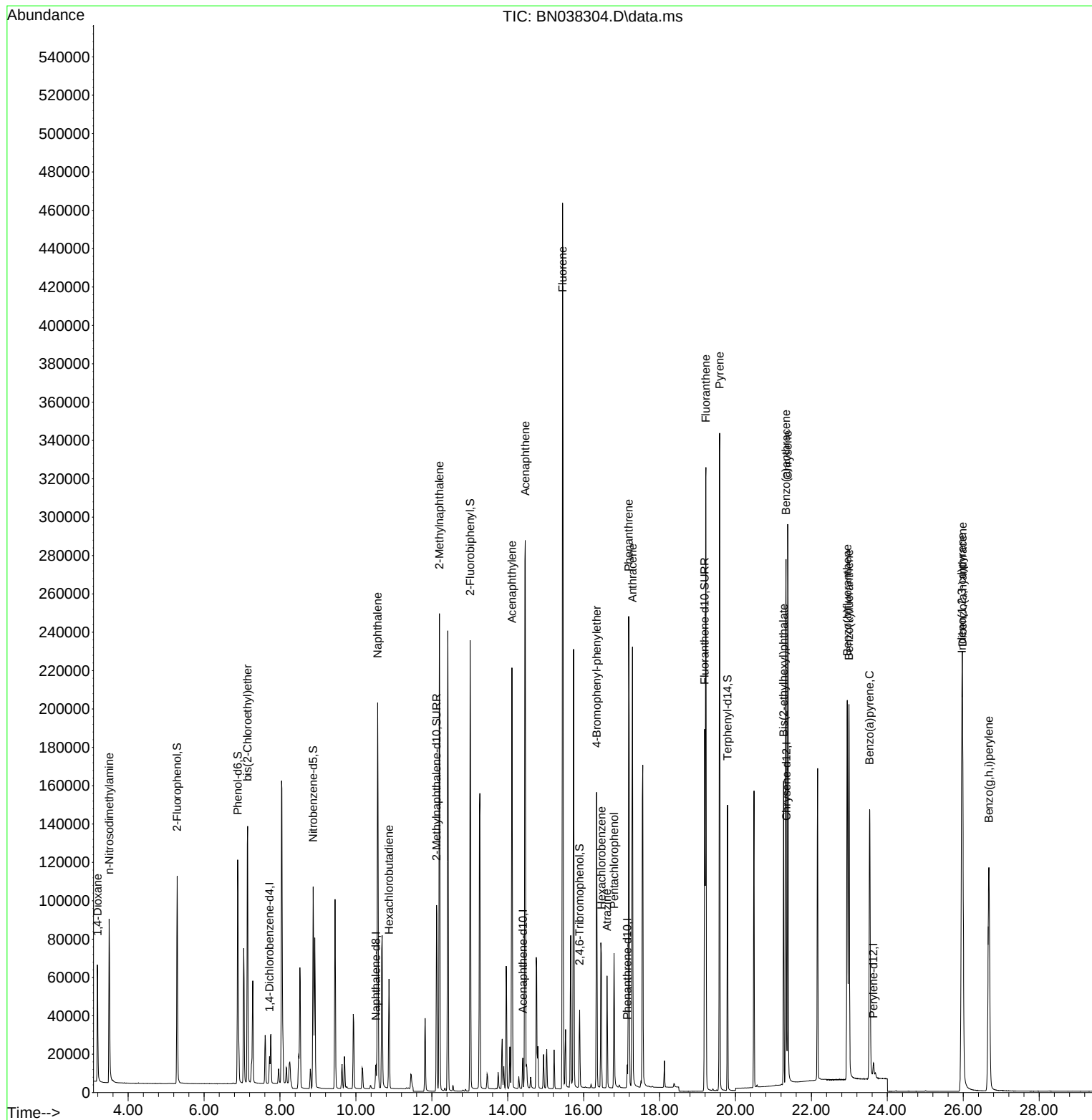
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.724	152	6683	0.400	ng	0.00
7) Naphthalene-d8	10.530	136	17297	0.400	ng	0.00
13) Acenaphthene-d10	14.398	164	8946	0.400	ng	0.00
19) Phenanthrene-d10	17.148	188	14791	0.400	ng	# 0.00
29) Chrysene-d12	21.340	240	11438	0.400	ng	# 0.00
35) Perylene-d12	23.633	264	10064	0.400	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.290	112	85118	5.114	ng	0.00
5) Phenol-d6	6.887	99	106714	5.393	ng	0.00
8) Nitrobenzene-d5	8.875	82	77560	5.316	ng	0.00
11) 2-Methylnaphthalene-d10	12.126	152	129558	5.310	ng	0.00
14) 2,4,6-Tribromophenol	15.895	330	22914	5.773	ng	0.00
15) 2-Fluorobiphenyl	13.008	172	203375	4.719	ng	0.00
27) Fluoranthene-d10	19.187	212	194683	5.322	ng	0.00
31) Terphenyl-d14	19.791	244	129183	5.061	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	3.196	88	36727	4.793	ng	98
3) n-Nitrosodimethylamine	3.499	42	47875	4.983	ng	# 97
6) bis(2-Chloroethyl)ether	7.147	93	95792	4.949	ng	98
9) Naphthalene	10.573	128	260570	5.096	ng	99
10) Hexachlorobutadiene	10.872	225	44570	4.904	ng	# 100
12) 2-Methylnaphthalene	12.202	142	170617	5.257	ng	99
16) Acenaphthylene	14.110	152	233854	5.323	ng	99
17) Acenaphthene	14.462	154	159912	5.225	ng	96
18) Fluorene	15.446	166	201458	5.116	ng	98
21) 4-Bromophenyl-phenylether	16.342	248	58800	5.358	ng	# 88
22) Hexachlorobenzene	16.466	284	66067	5.008	ng	100
23) Atrazine	16.615	200	42381	5.662	ng	94
24) Pentachlorophenol	16.801	266	32164	6.248	ng	99
25) Phenanthrene	17.186	178	269284	5.231	ng	100
26) Anthracene	17.285	178	245335	5.527	ng	100
28) Fluoranthene	19.220	202	289557	5.292	ng	99
30) Pyrene	19.582	202	291237	5.172	ng	100
32) Benzo(a)anthracene	21.331	228	239112	5.412	ng	98
33) Chrysene	21.375	228	242638	4.987	ng	99
34) Bis(2-ethylhexyl)phtha...	21.268	149	125703	5.186	ng	100
36) Indeno(1,2,3-cd)pyrene	25.963	276	293099	5.489	ng	100
37) Benzo(b)fluoranthene	22.946	252	249557	5.399	ng	# 88
38) Benzo(k)fluoranthene	22.990	252	250888	5.444	ng	# 87
39) Benzo(a)pyrene	23.534	252	209188	5.530	ng	# 81
40) Dibenzo(a,h)anthracene	25.981	278	229223	5.567	ng	95
41) Benzo(g,h,i)perylene	26.677	276	247112	5.369	ng	97

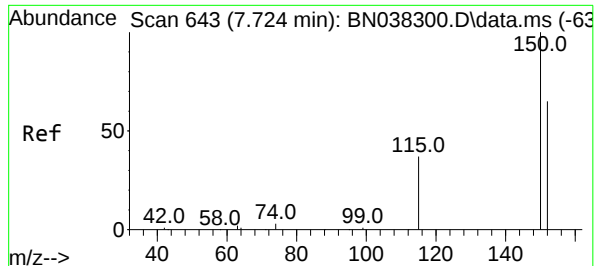
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN121025\
Data File : BN038304.D
Acq On : 10 Dec 2025 13:30
Operator : RC/JU
Sample : SSTDICC5.0
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

Quant Time: Dec 10 14:00:51 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN121025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Dec 10 13:56:50 2025
Response via : Initial Calibration

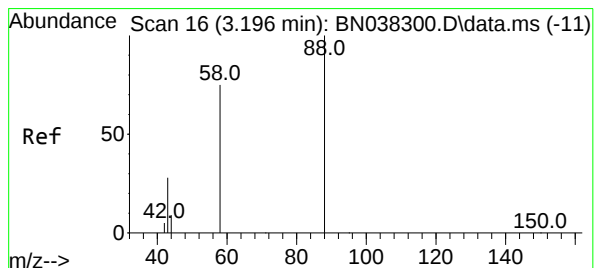
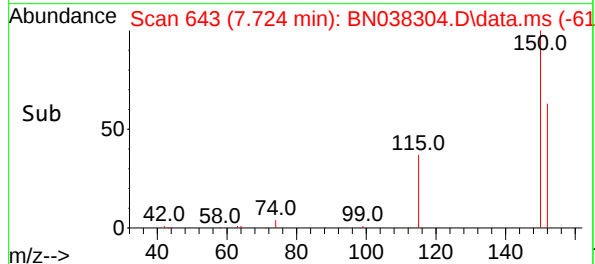
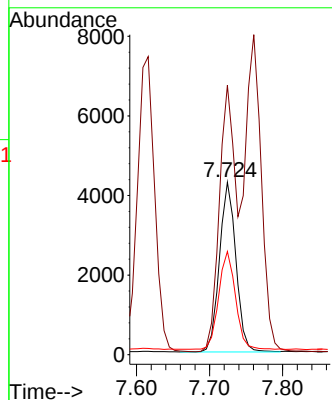
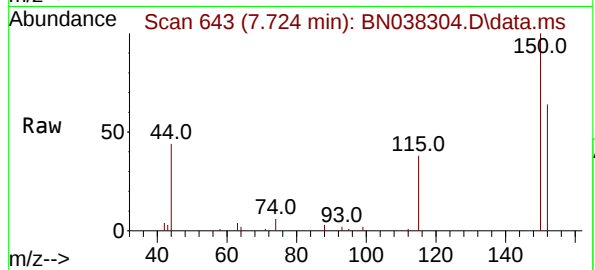




#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.724 min Scan# 64
Delta R.T. 0.000 min
Lab File: BN038304.D
Acq: 10 Dec 2025 13:30

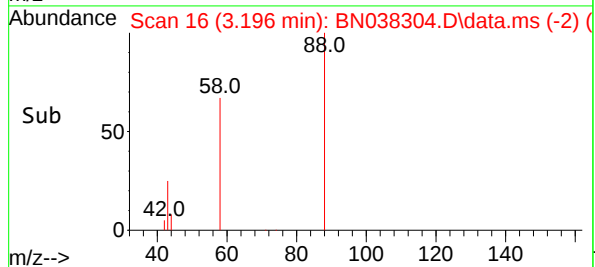
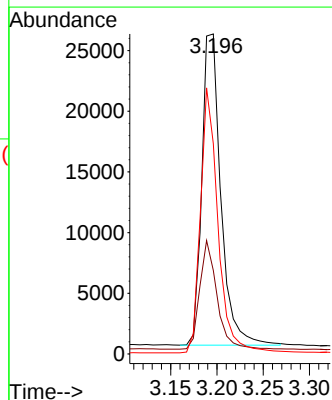
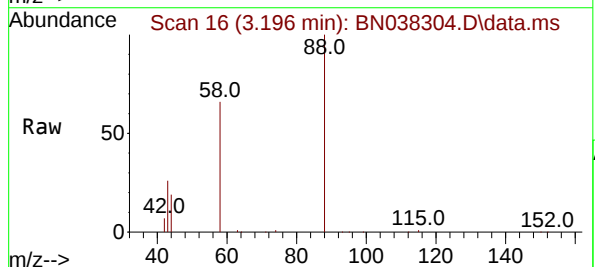
Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

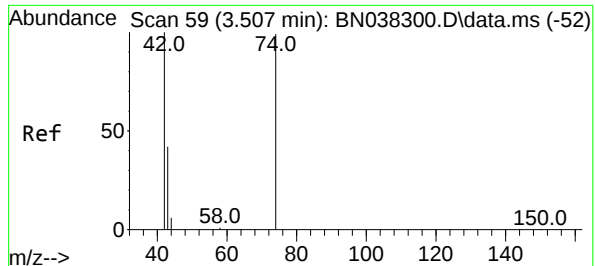
Tgt Ion:152 Resp: 6683
Ion Ratio Lower Upper
152 100
150 156.2 122.4 183.6
115 59.8 47.3 70.9



#2
1,4-Dioxane
Concen: 4.793 ng
RT: 3.196 min Scan# 16
Delta R.T. 0.000 min
Lab File: BN038304.D
Acq: 10 Dec 2025 13:30

Tgt Ion: 88 Resp: 36727
Ion Ratio Lower Upper
88 100
43 31.7 24.9 37.3
58 78.3 61.4 92.0

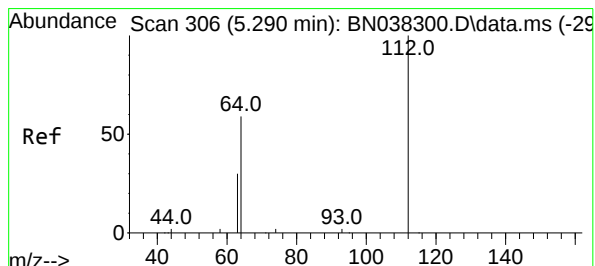
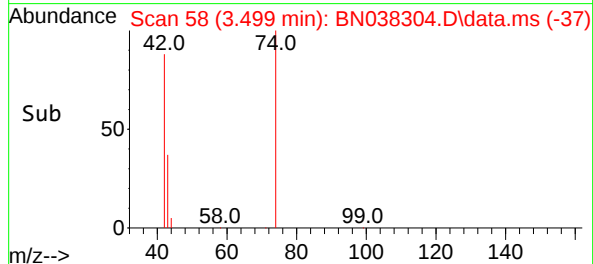
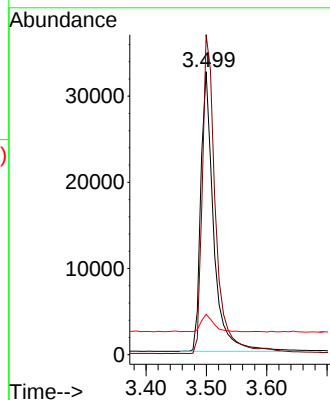
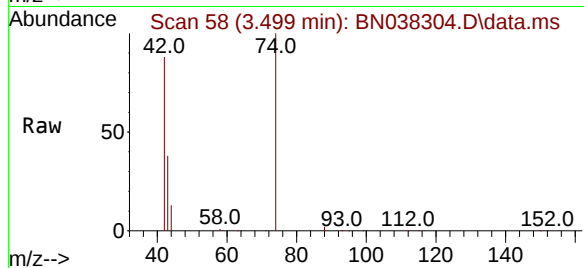




#3
n-Nitrosodimethylamine
Concen: 4.983 ng
RT: 3.499 min Scan# 59
Delta R.T. 0.000 min
Lab File: BN038304.D
Acq: 10 Dec 2025 13:30

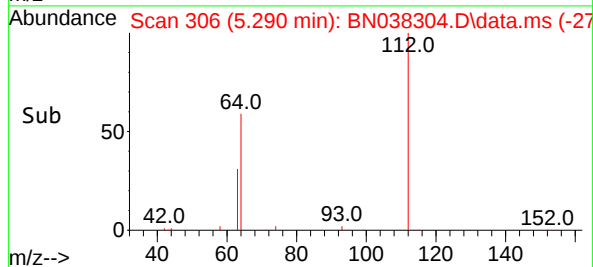
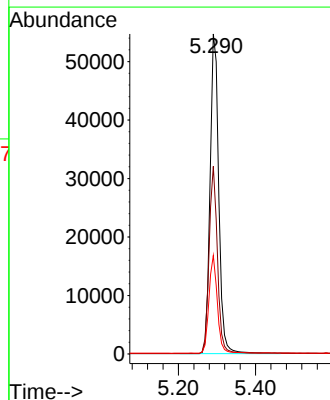
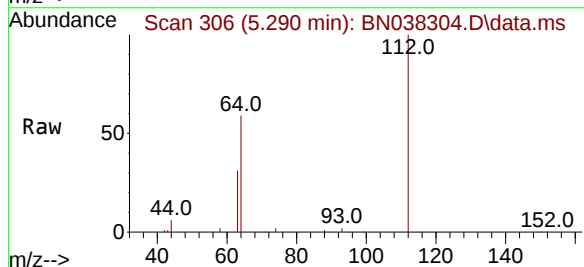
Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

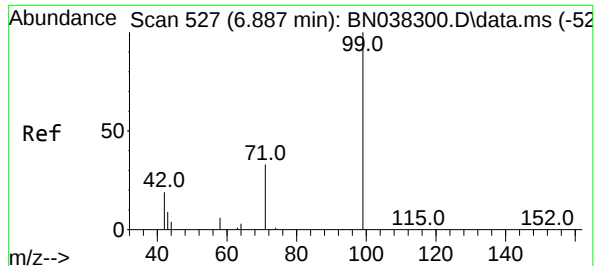
Tgt Ion: 42 Resp: 47875
Ion Ratio Lower Upper
42 100
74 116.7 95.3 142.9
44 5.9 7.9 11.9#



#4
2-Fluorophenol
Concen: 5.114 ng
RT: 5.290 min Scan# 306
Delta R.T. 0.000 min
Lab File: BN038304.D
Acq: 10 Dec 2025 13:30

Tgt Ion: 112 Resp: 85118
Ion Ratio Lower Upper
112 100
64 56.5 44.4 66.6
63 29.5 23.4 35.0

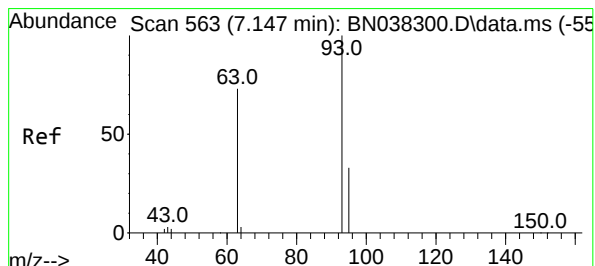
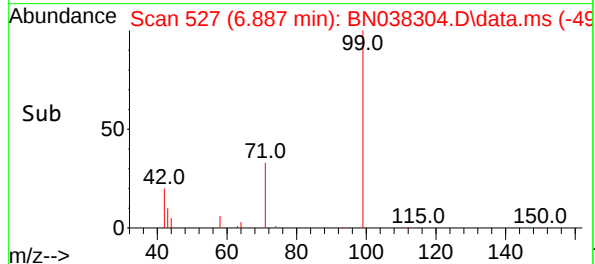
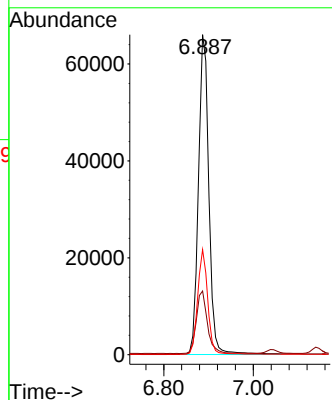
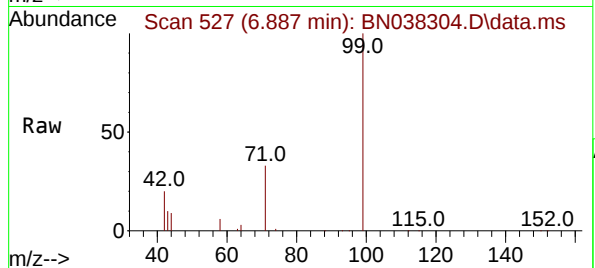




#5
Phenol-d6
Concen: 5.393 ng
RT: 6.887 min Scan# 51
Delta R.T. 0.000 min
Lab File: BN038304.D
Acq: 10 Dec 2025 13:30

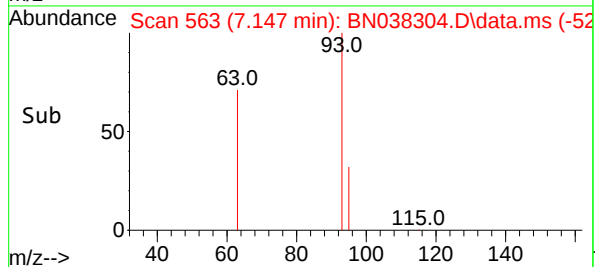
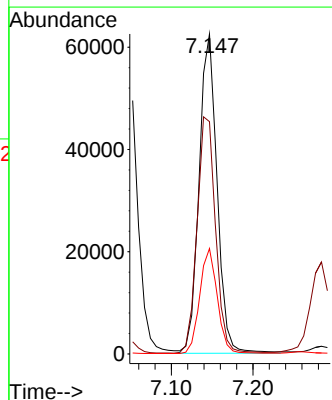
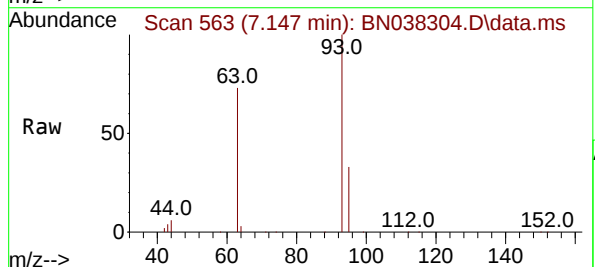
Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

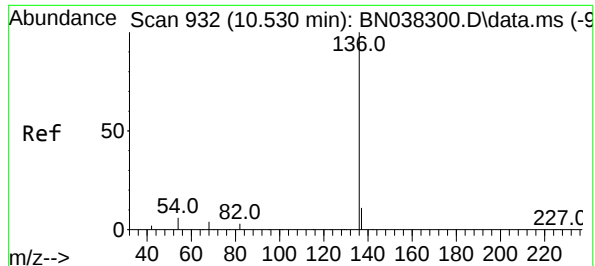
Tgt Ion: 99 Resp: 106714
Ion Ratio Lower Upper
99 100
42 20.8 16.5 24.7
71 31.8 24.9 37.3



#6
bis(2-Chloroethyl)ether
Concen: 4.949 ng
RT: 7.147 min Scan# 563
Delta R.T. 0.000 min
Lab File: BN038304.D
Acq: 10 Dec 2025 13:30

Tgt Ion: 93 Resp: 95792
Ion Ratio Lower Upper
93 100
63 76.0 59.2 88.8
95 32.3 25.2 37.8

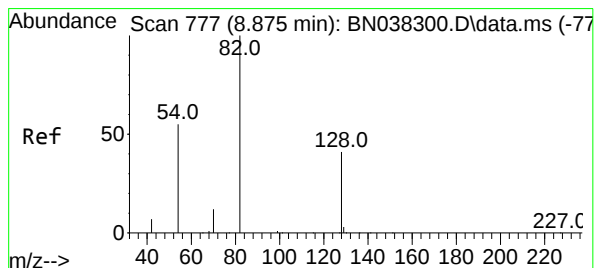
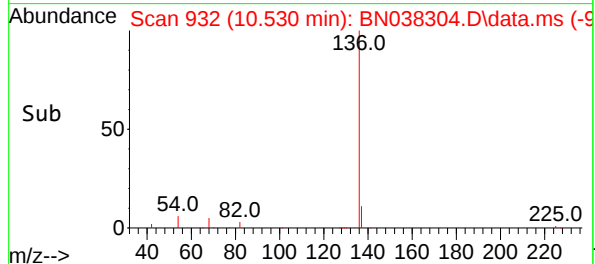
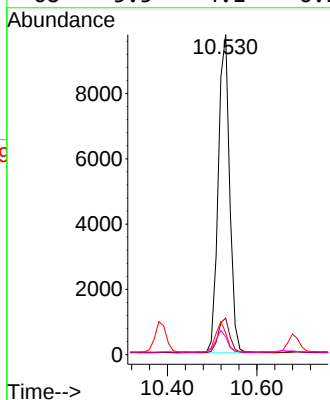
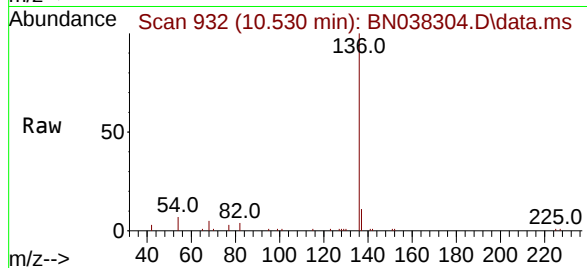




#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.530 min Scan# 91
Delta R.T. 0.000 min
Lab File: BN038304.D
Acq: 10 Dec 2025 13:30

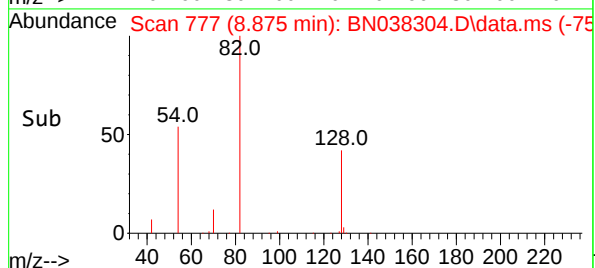
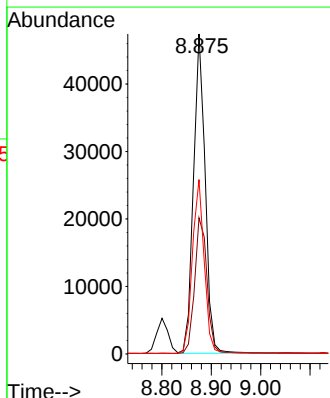
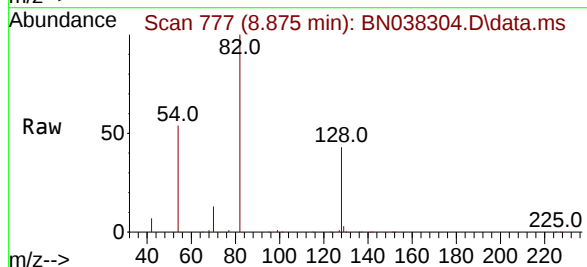
Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

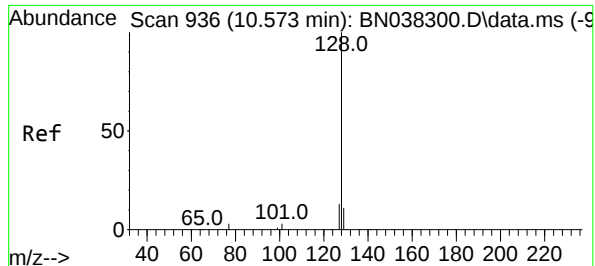
Tgt Ion:136 Resp: 17297
Ion Ratio Lower Upper
136 100
137 11.5 9.1 13.7
54 6.8 5.2 7.8
68 5.5 4.1 6.1



#8
Nitrobenzene-d5
Concen: 5.316 ng
RT: 8.875 min Scan# 777
Delta R.T. 0.000 min
Lab File: BN038304.D
Acq: 10 Dec 2025 13:30

Tgt Ion: 82 Resp: 77560
Ion Ratio Lower Upper
82 100
128 42.6 34.0 51.0
54 54.5 44.4 66.6

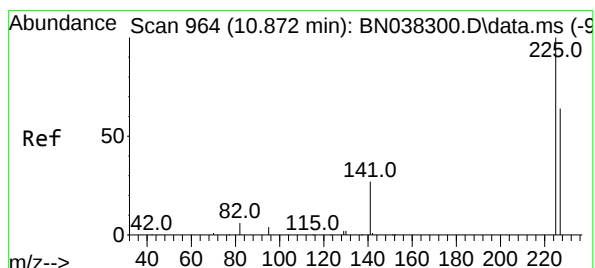
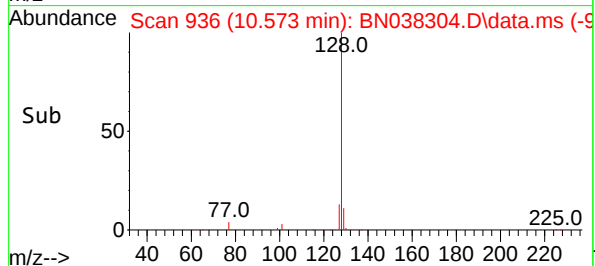
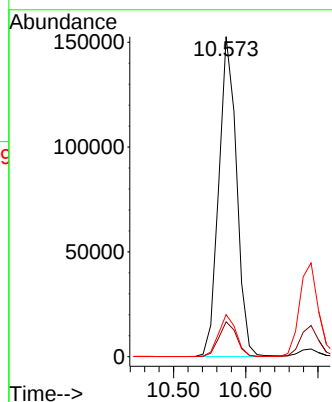
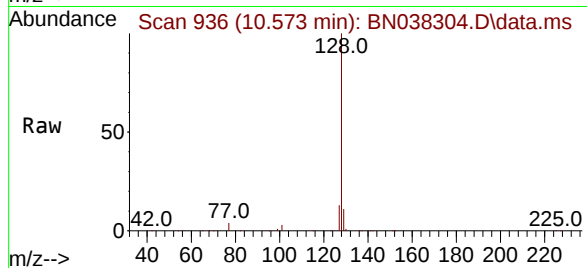




#9
Naphthalene
Concen: 5.096 ng
RT: 10.573 min Scan# 91
Delta R.T. 0.000 min
Lab File: BN038304.D
Acq: 10 Dec 2025 13:30

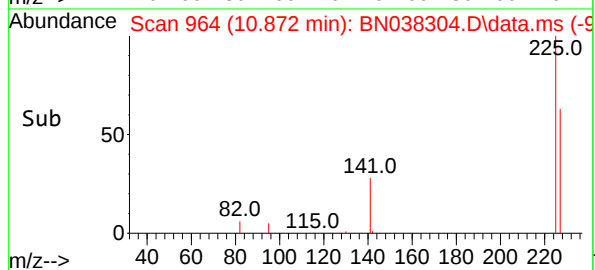
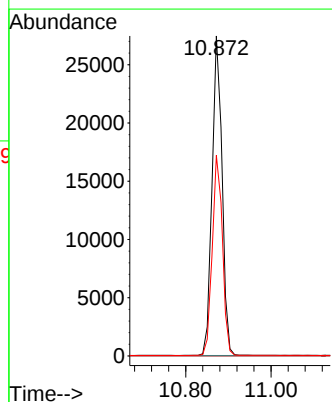
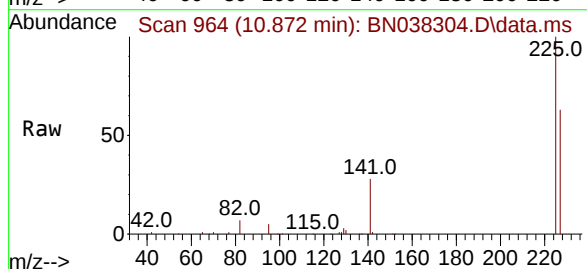
Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

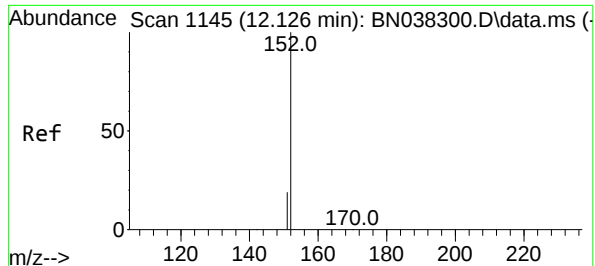
Tgt Ion:128 Resp: 260570
Ion Ratio Lower Upper
128 100
129 10.9 9.1 13.7
127 13.2 10.9 16.3



#10
Hexachlorobutadiene
Concen: 4.904 ng
RT: 10.872 min Scan# 964
Delta R.T. 0.000 min
Lab File: BN038304.D
Acq: 10 Dec 2025 13:30

Tgt Ion:225 Resp: 44570
Ion Ratio Lower Upper
225 100
223 0.0 0.0 0.0
227 63.7 51.2 76.8

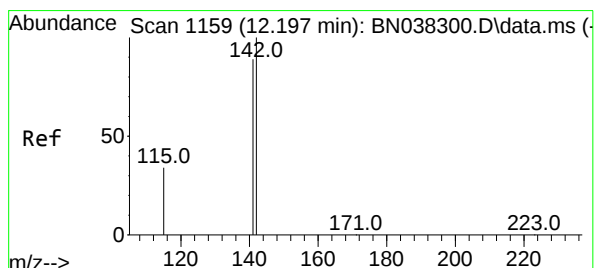
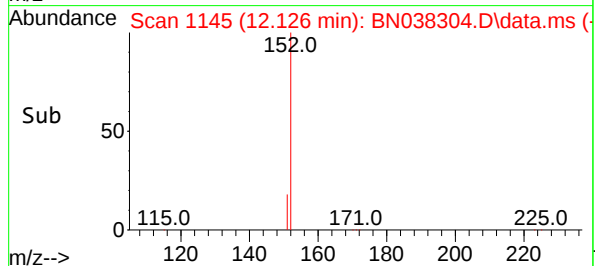
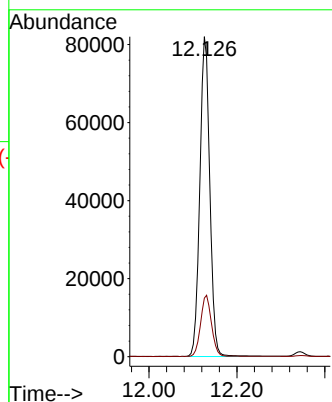
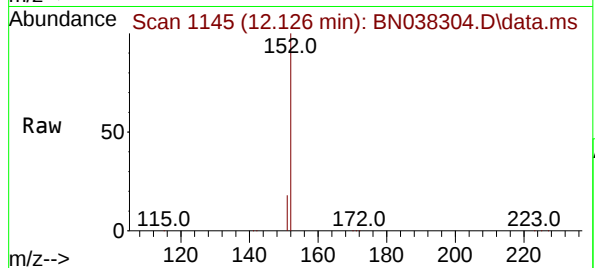




#11
2-Methylnaphthalene-d10
Concen: 5.310 ng
RT: 12.126 min Scan# 1145
Delta R.T. 0.000 min
Lab File: BN038304.D
Acq: 10 Dec 2025 13:30

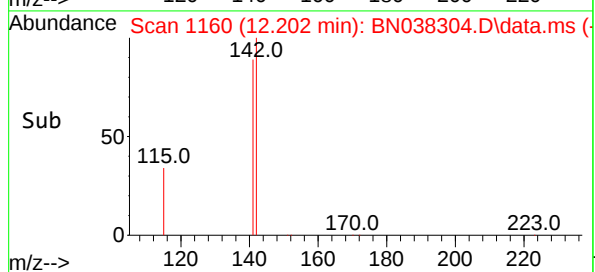
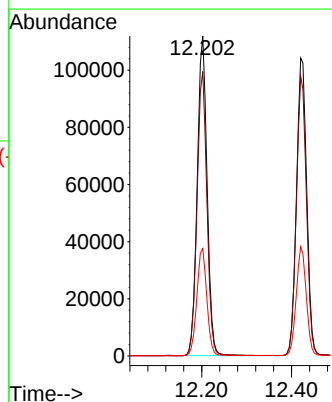
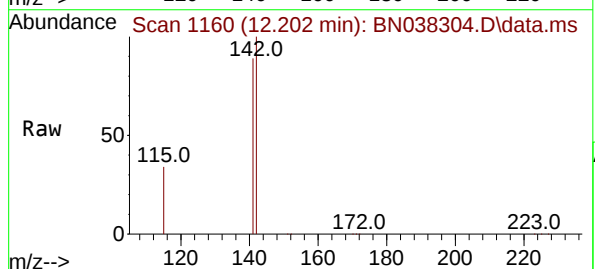
Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

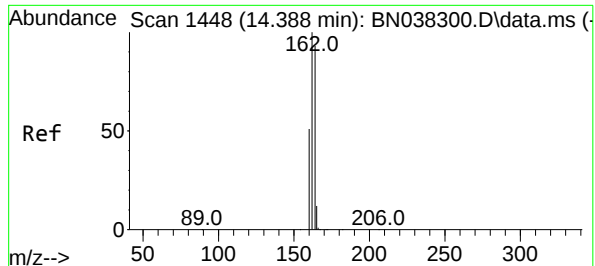
Tgt Ion:152 Resp: 129558
Ion Ratio Lower Upper
152 100
151 20.9 17.0 25.6



#12
2-Methylnaphthalene
Concen: 5.257 ng
RT: 12.202 min Scan# 1160
Delta R.T. 0.000 min
Lab File: BN038304.D
Acq: 10 Dec 2025 13:30

Tgt Ion:142 Resp: 170617
Ion Ratio Lower Upper
142 100
141 88.9 71.4 107.2
115 33.6 28.4 42.6

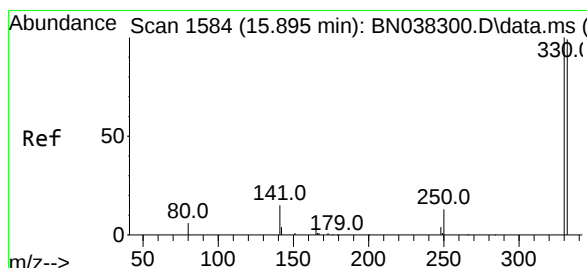
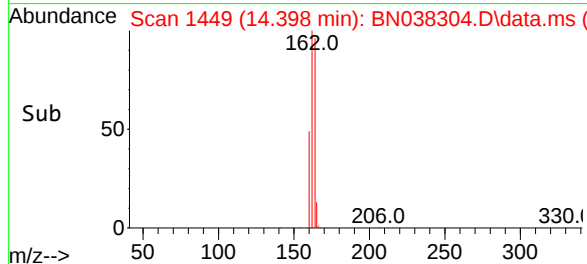
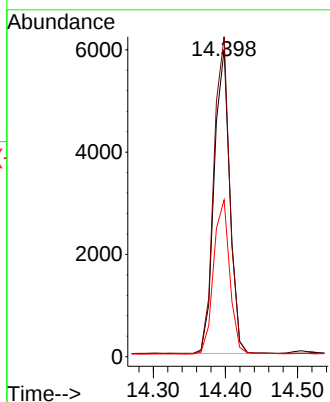
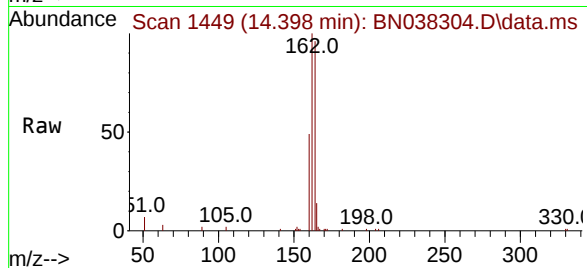




#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.398 min Scan# 1449
Delta R.T. 0.000 min
Lab File: BN038304.D
Acq: 10 Dec 2025 13:30

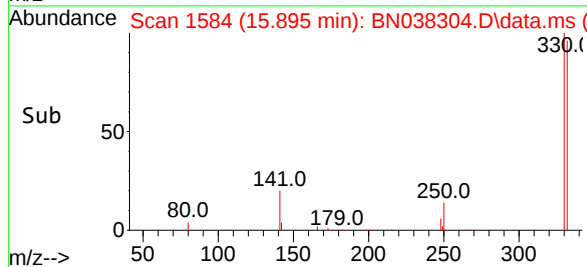
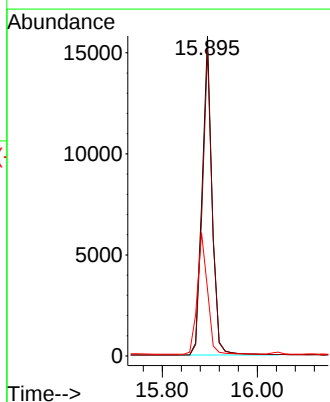
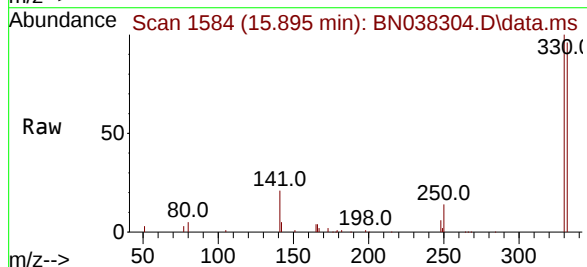
Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

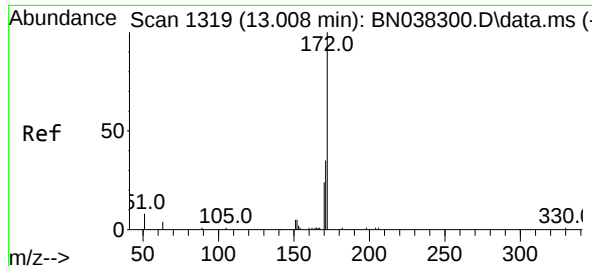
Tgt Ion:164 Resp: 8946
Ion Ratio Lower Upper
164 100
162 104.2 86.2 129.4
160 51.0 44.6 67.0



#14
2,4,6-Tribromophenol
Concen: 5.773 ng
RT: 15.895 min Scan# 1584
Delta R.T. 0.000 min
Lab File: BN038304.D
Acq: 10 Dec 2025 13:30

Tgt Ion:330 Resp: 22914
Ion Ratio Lower Upper
330 100
332 96.0 75.8 113.6
141 38.8 31.8 47.8

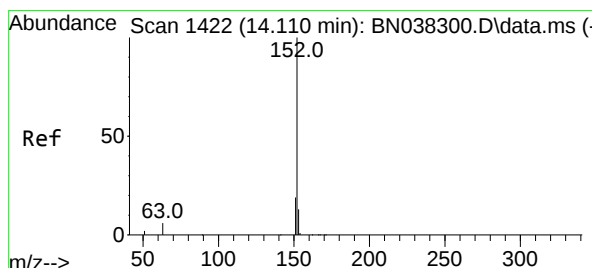
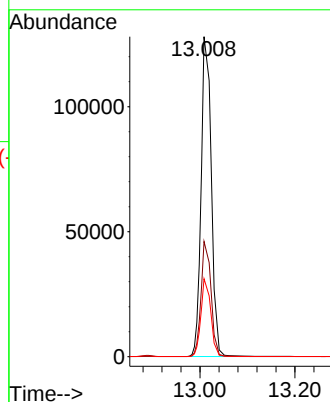
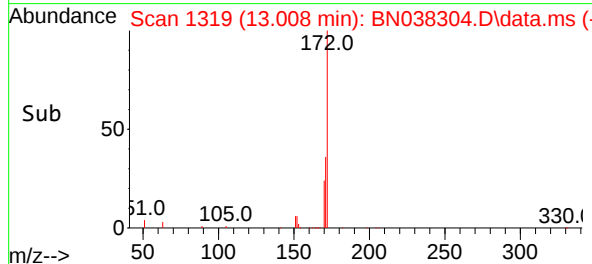
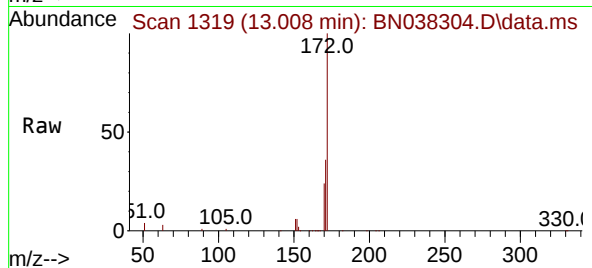




#15
2-Fluorobiphenyl
Concen: 4.719 ng
RT: 13.008 min Scan# 1319
Delta R.T. 0.000 min
Lab File: BN038304.D
Acq: 10 Dec 2025 13:30

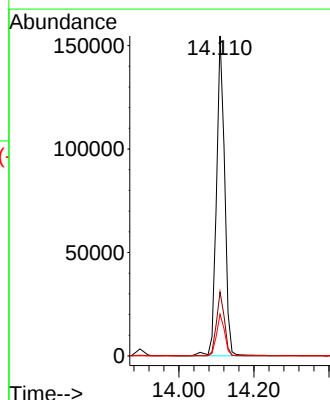
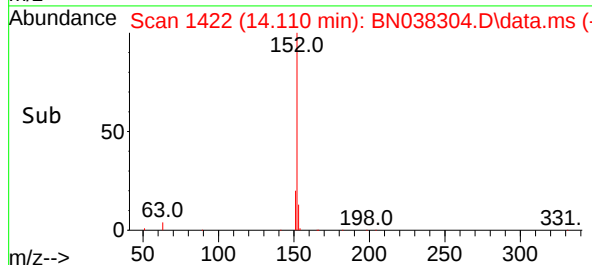
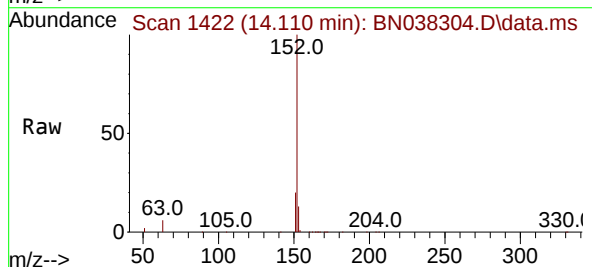
Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

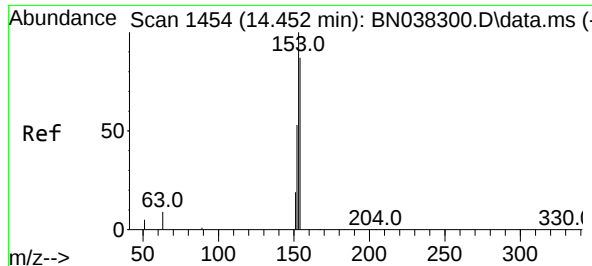
Tgt Ion:172 Resp: 203375
Ion Ratio Lower Upper
172 100
171 36.0 28.6 42.8
170 24.3 19.3 28.9



#16
Acenaphthylene
Concen: 5.323 ng
RT: 14.110 min Scan# 1422
Delta R.T. 0.000 min
Lab File: BN038304.D
Acq: 10 Dec 2025 13:30

Tgt Ion:152 Resp: 233854
Ion Ratio Lower Upper
152 100
151 19.6 15.4 23.2
153 13.0 10.2 15.4

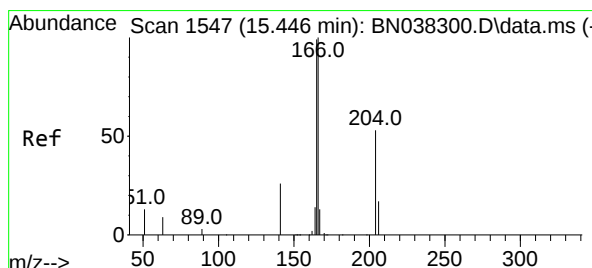
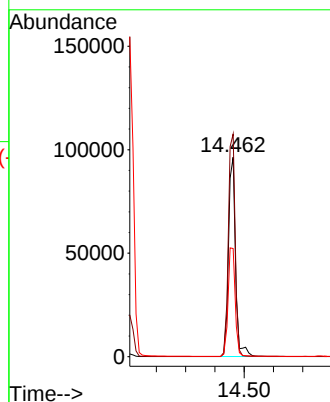
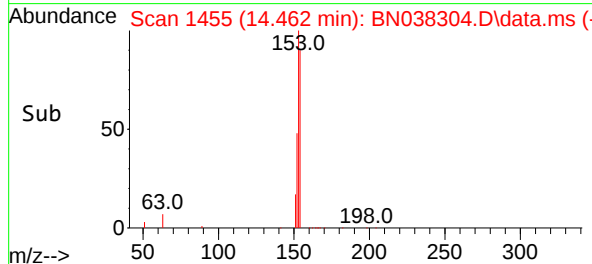
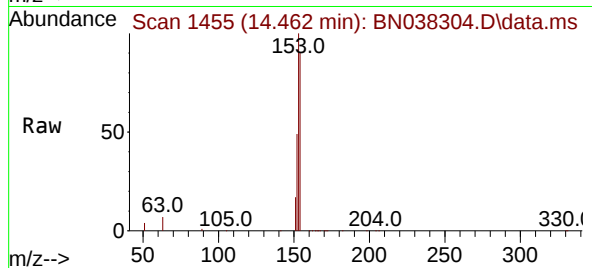




#17
Acenaphthene
Concen: 5.225 ng
RT: 14.462 min Scan# 1455
Delta R.T. 0.000 min
Lab File: BN038304.D
Acq: 10 Dec 2025 13:30

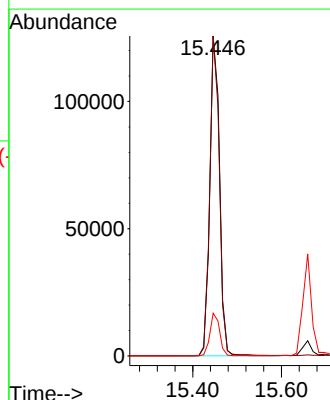
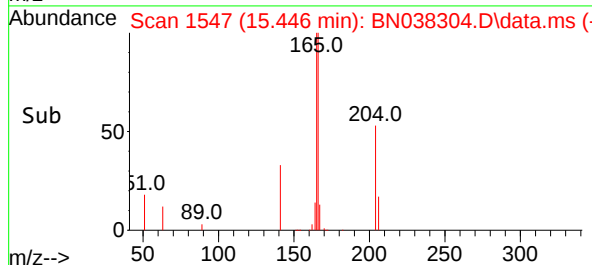
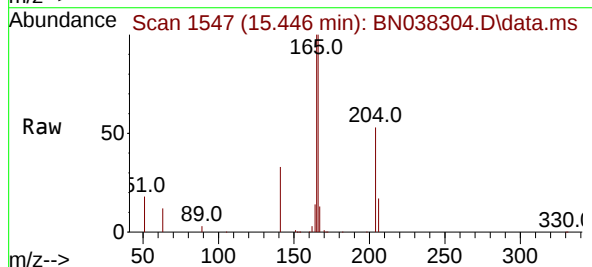
Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

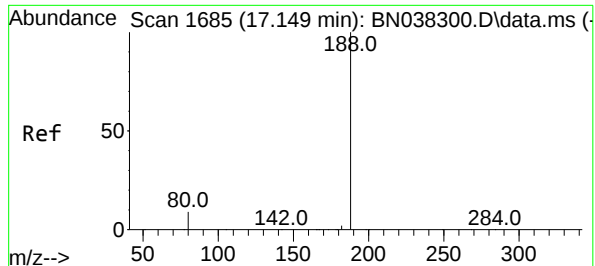
Tgt Ion:154 Resp: 159912
Ion Ratio Lower Upper
154 100
153 108.9 89.8 134.8
152 55.4 47.5 71.3



#18
Fluorene
Concen: 5.116 ng
RT: 15.446 min Scan# 1547
Delta R.T. -0.000 min
Lab File: BN038304.D
Acq: 10 Dec 2025 13:30

Tgt Ion:166 Resp: 201458
Ion Ratio Lower Upper
166 100
165 98.0 80.2 120.4
167 13.2 10.6 16.0





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 17.148 min Scan# 1

Delta R.T. 0.000 min

Lab File: BN038304.D

Acq: 10 Dec 2025 13:30

Instrument :

BNA_N

ClientSampleId :

SSTDICC5.0

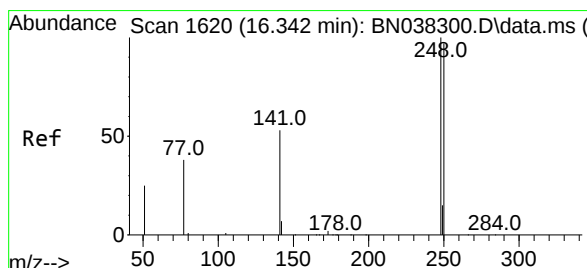
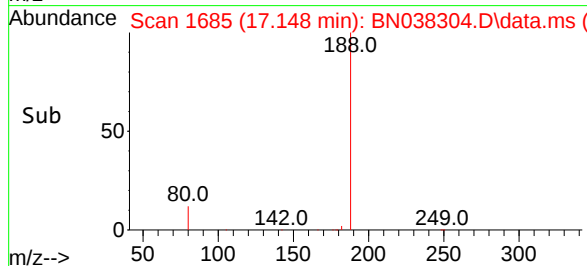
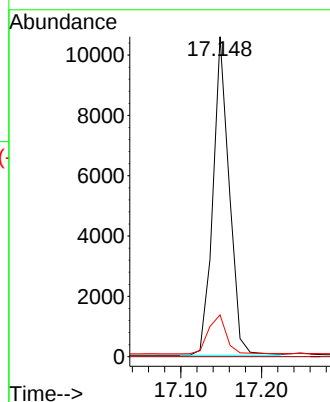
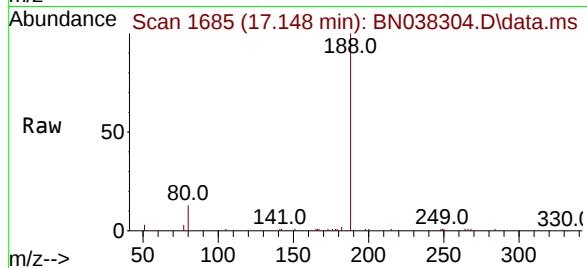
Tgt Ion:188 Resp: 14791

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

80 13.1 7.4 11.0#



#21

4-Bromophenyl-phenylether

Concen: 5.358 ng

RT: 16.342 min Scan# 1620

Delta R.T. -0.000 min

Lab File: BN038304.D

Acq: 10 Dec 2025 13:30

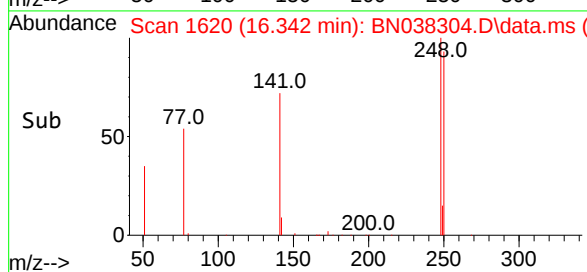
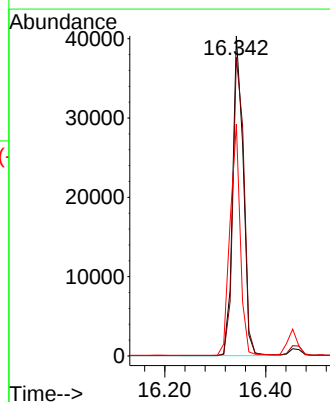
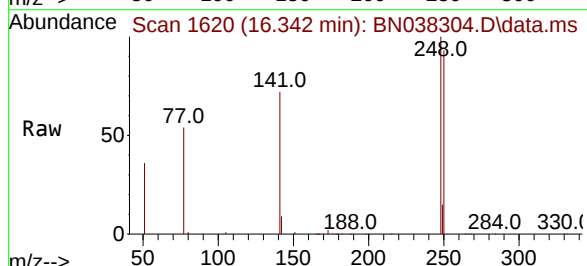
Tgt Ion:248 Resp: 58800

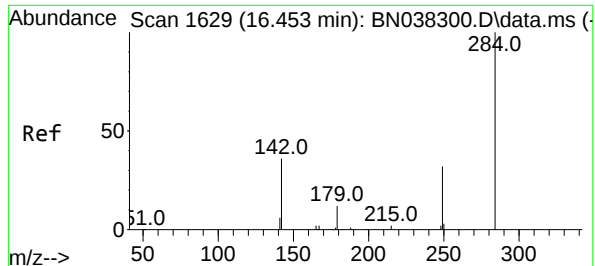
Ion Ratio Lower Upper

248 100

250 93.4 78.2 117.2

141 72.4 43.7 65.5#





#22

Hexachlorobenzene

Concen: 5.008 ng

RT: 16.466 min Scan# 1630

Delta R.T. 0.000 min

Lab File: BN038304.D

Acq: 10 Dec 2025 13:30

Instrument :

BNA_N

ClientSampleId :

SSTDICC5.0

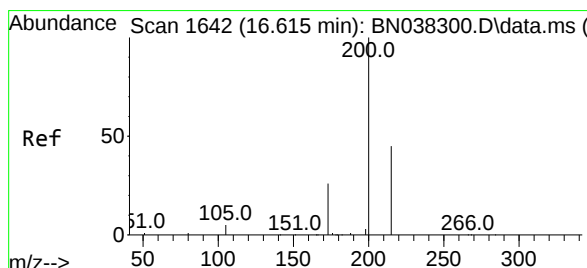
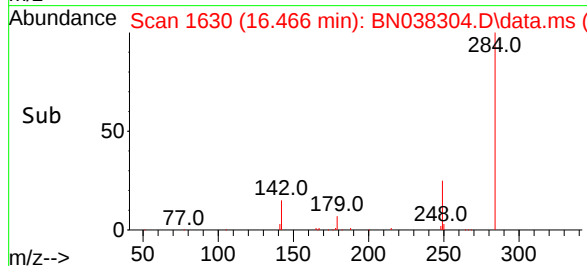
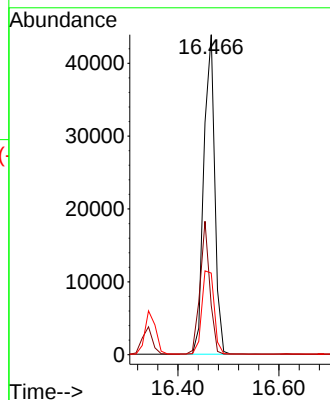
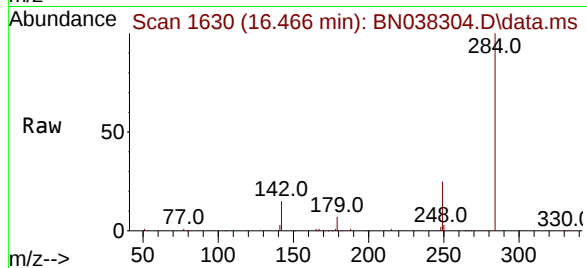
Tgt Ion:284 Resp: 66067

Ion Ratio Lower Upper

284 100

142 37.3 29.5 44.3

249 29.4 23.7 35.5



#23

Atrazine

Concen: 5.662 ng

RT: 16.615 min Scan# 1642

Delta R.T. 0.000 min

Lab File: BN038304.D

Acq: 10 Dec 2025 13:30

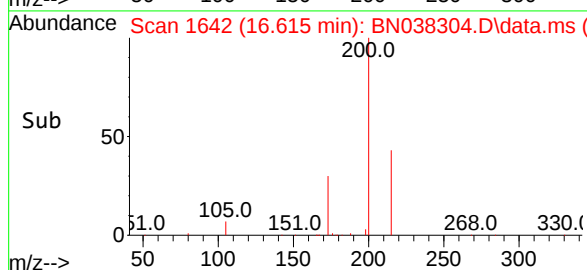
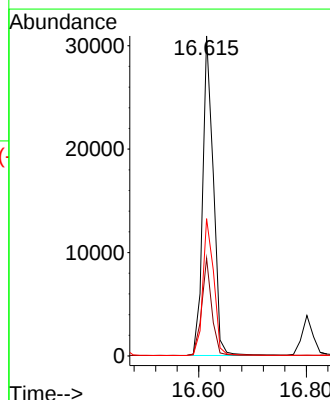
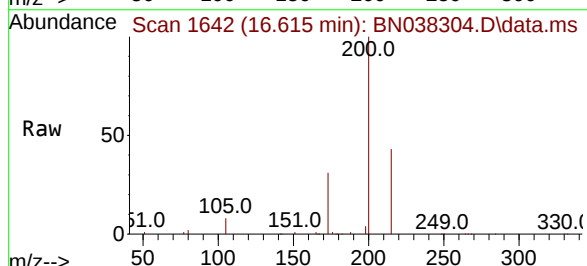
Tgt Ion:200 Resp: 42381

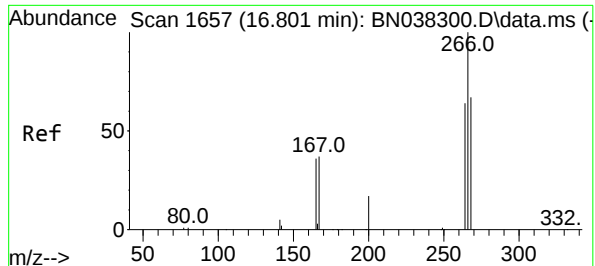
Ion Ratio Lower Upper

200 100

173 30.6 22.1 33.1

215 42.9 37.4 56.2

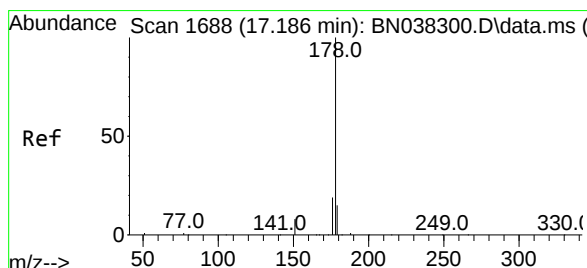
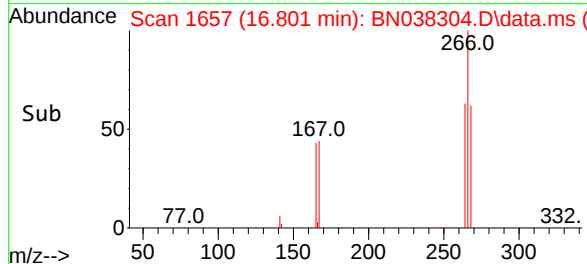
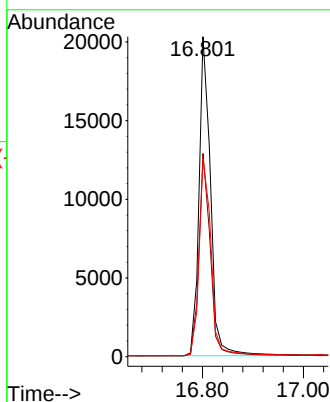
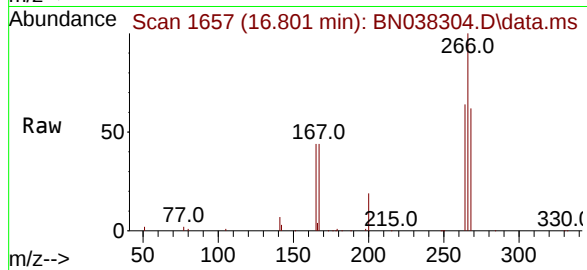




#24
Pentachlorophenol
Concen: 6.248 ng
RT: 16.801 min Scan# 1657
Delta R.T. 0.000 min
Lab File: BN038304.D
Acq: 10 Dec 2025 13:30

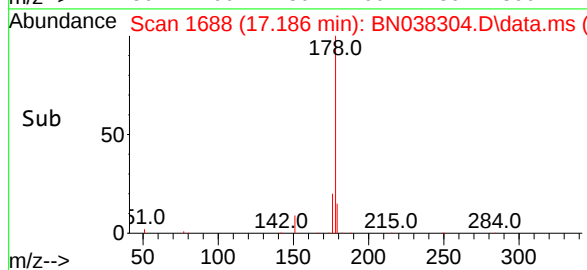
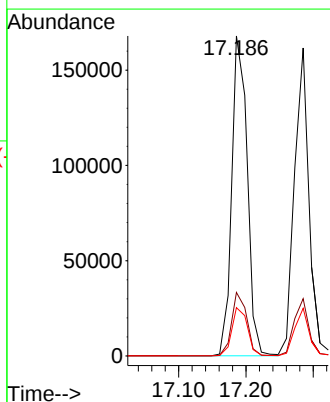
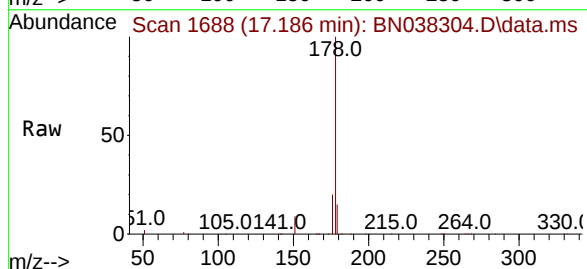
Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

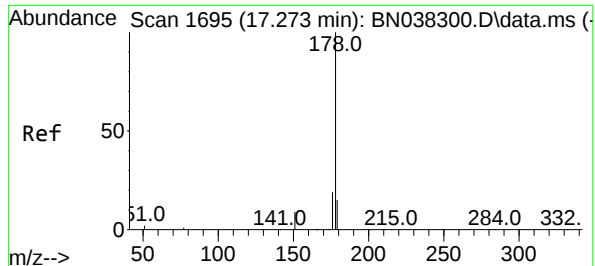
Tgt Ion:	266	Resp:	32164
Ion Ratio	Lower	Upper	
266	100		
264	62.8	50.2	75.2
268	64.3	52.6	78.8



#25
Phenanthrene
Concen: 5.231 ng
RT: 17.186 min Scan# 1688
Delta R.T. 0.000 min
Lab File: BN038304.D
Acq: 10 Dec 2025 13:30

Tgt Ion:	178	Resp:	269284
Ion Ratio	Lower	Upper	
178	100		
176	19.4	15.5	23.3
179	15.2	12.2	18.2

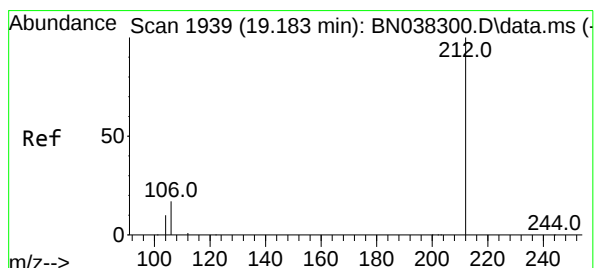
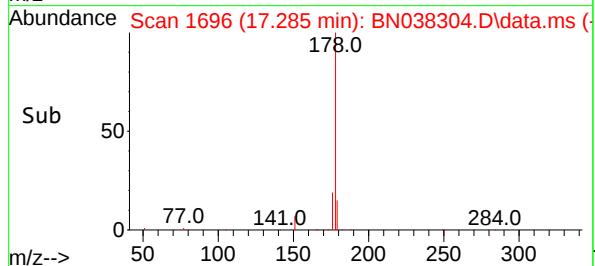
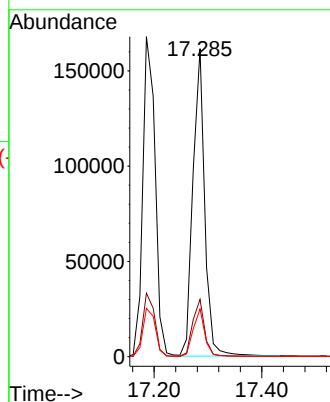
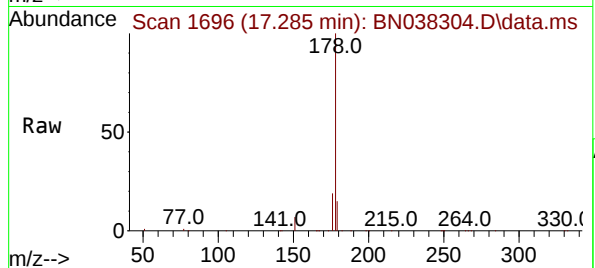




#26
Anthracene
Concen: 5.527 ng
RT: 17.285 min Scan# 1696
Delta R.T. 0.000 min
Lab File: BN038304.D
Acq: 10 Dec 2025 13:30

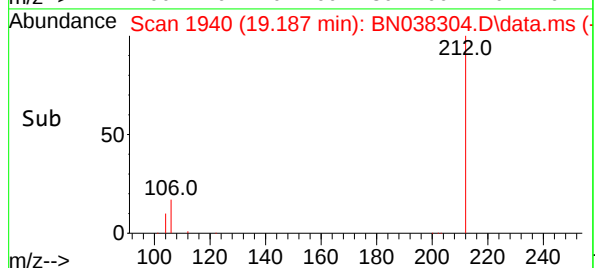
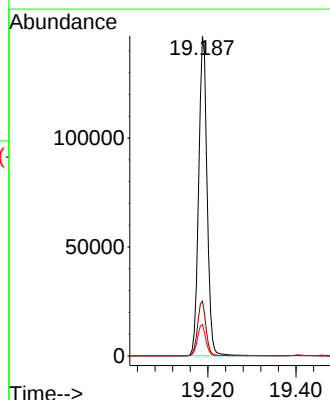
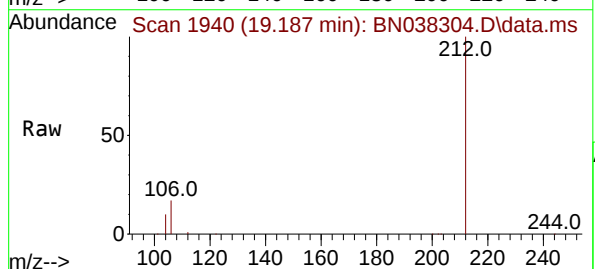
Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

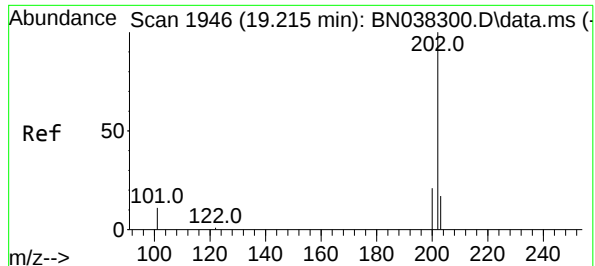
Tgt Ion:178 Resp: 245335
Ion Ratio Lower Upper
178 100
176 18.8 15.1 22.7
179 15.3 12.0 18.0



#27
Fluoranthene-d10
Concen: 5.322 ng
RT: 19.187 min Scan# 1940
Delta R.T. 0.000 min
Lab File: BN038304.D
Acq: 10 Dec 2025 13:30

Tgt Ion:212 Resp: 194683
Ion Ratio Lower Upper
212 100
106 17.1 13.7 20.5
104 9.7 7.8 11.8

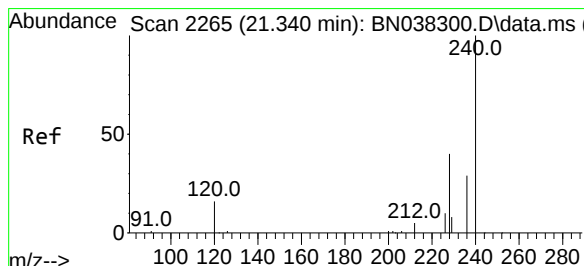
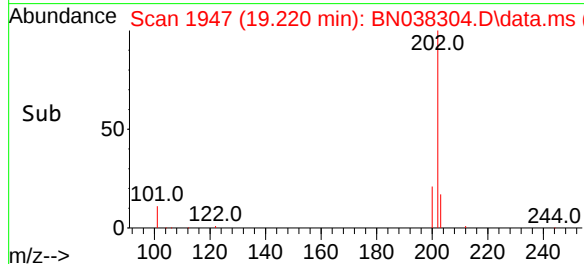
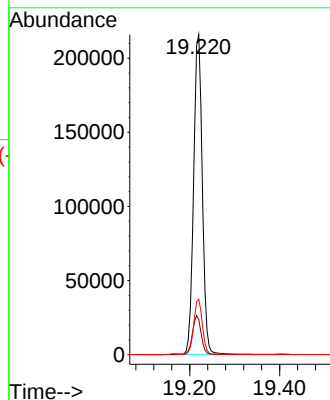
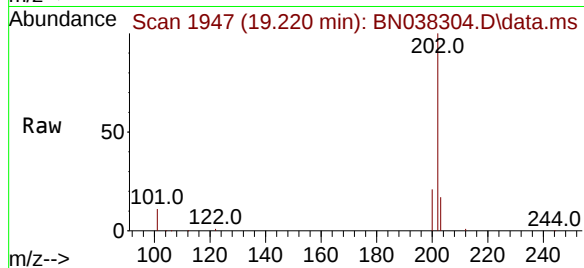




#28
Fluoranthene
Concen: 5.292 ng
RT: 19.220 min Scan# 1946
Delta R.T. 0.000 min
Lab File: BN038304.D
Acq: 10 Dec 2025 13:30

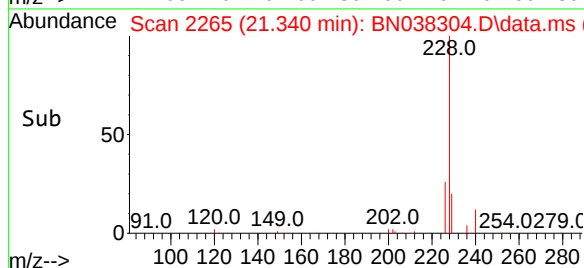
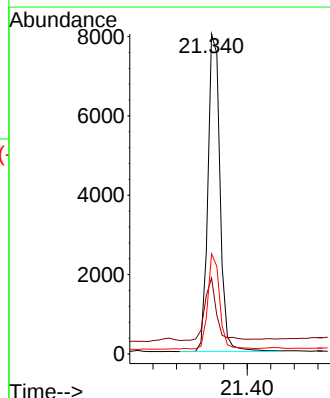
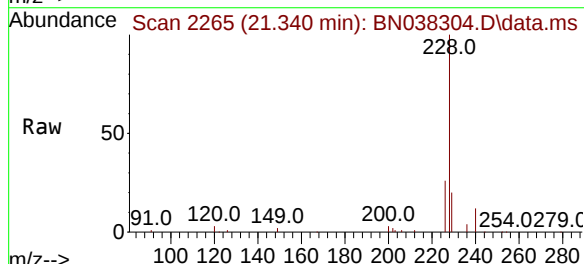
Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

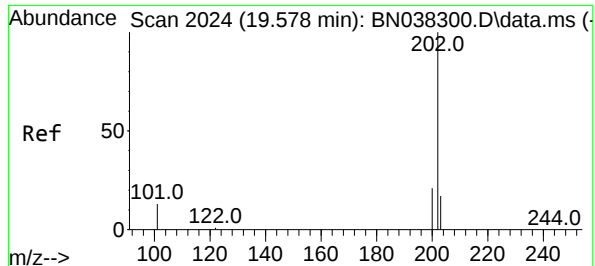
Tgt Ion:202 Resp: 289557
Ion Ratio Lower Upper
202 100
101 12.3 9.6 14.4
203 17.2 13.5 20.3



#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.340 min Scan# 2265
Delta R.T. 0.000 min
Lab File: BN038304.D
Acq: 10 Dec 2025 13:30

Tgt Ion:240 Resp: 11438
Ion Ratio Lower Upper
240 100
120 23.8 15.4 23.2#
236 31.3 23.9 35.9

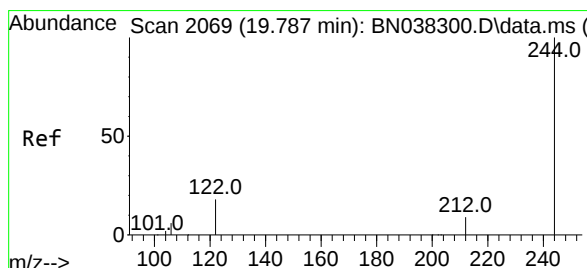
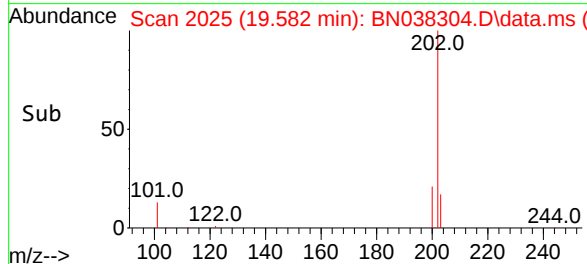
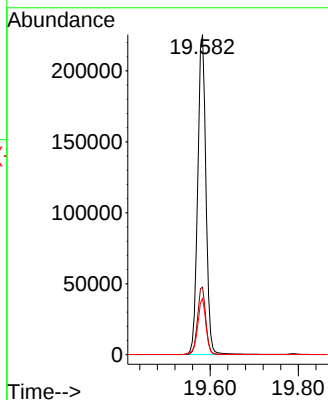
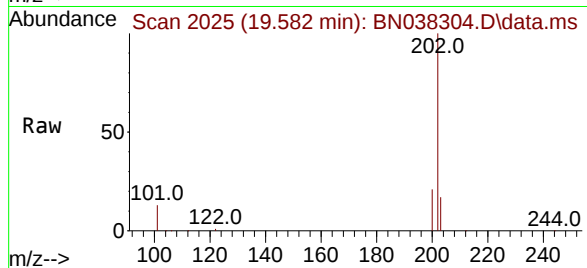




#30
Pyrene
Concen: 5.172 ng
RT: 19.582 min Scan# 2070
Delta R.T. 0.000 min
Lab File: BN038304.D
Acq: 10 Dec 2025 13:30

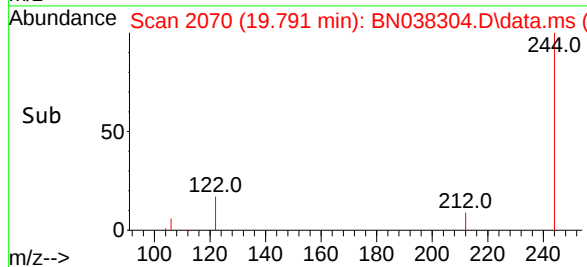
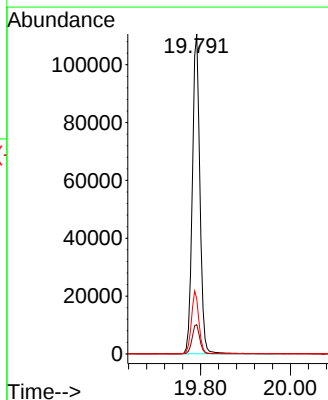
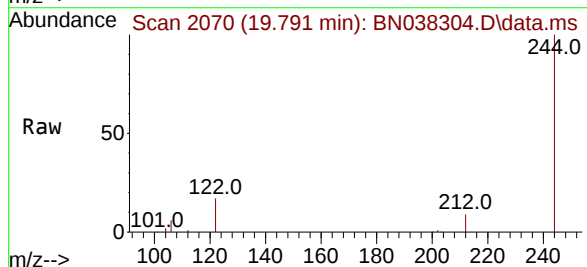
Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

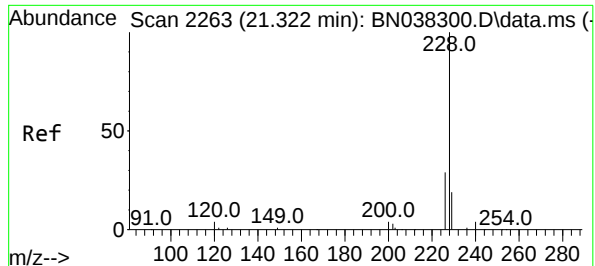
Tgt Ion:202 Resp: 291237
Ion Ratio Lower Upper
202 100
200 21.3 16.9 25.3
203 17.7 14.2 21.2



#31
Terphenyl-d14
Concen: 5.061 ng
RT: 19.791 min Scan# 2070
Delta R.T. 0.000 min
Lab File: BN038304.D
Acq: 10 Dec 2025 13:30

Tgt Ion:244 Resp: 129183
Ion Ratio Lower Upper
244 100
212 9.1 7.9 11.9
122 17.2 15.0 22.6

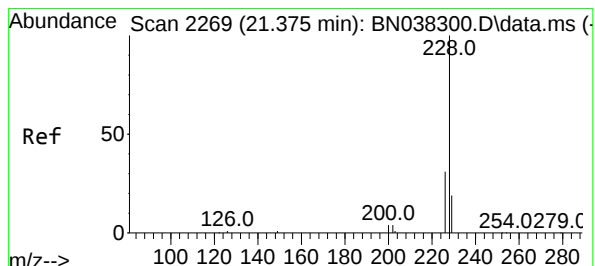
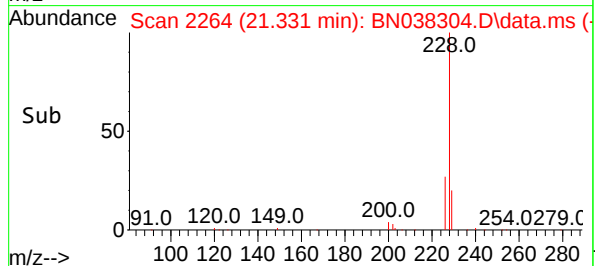
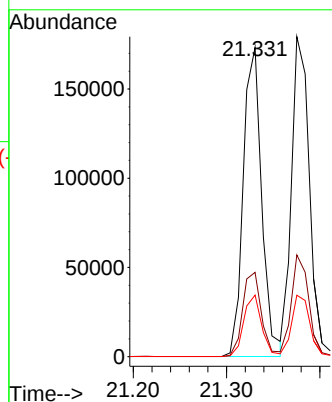
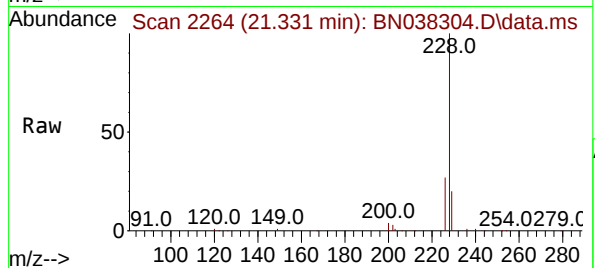




#32
Benzo(a)anthracene
Concen: 5.412 ng
RT: 21.331 min Scan# 21
Delta R.T. 0.000 min
Lab File: BN038304.D
Acq: 10 Dec 2025 13:30

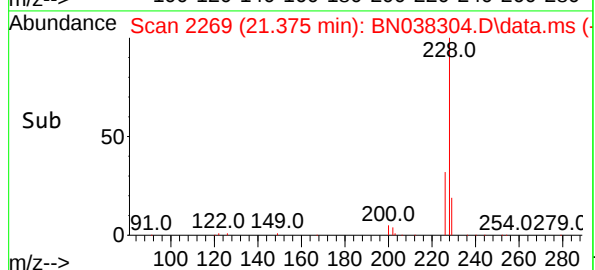
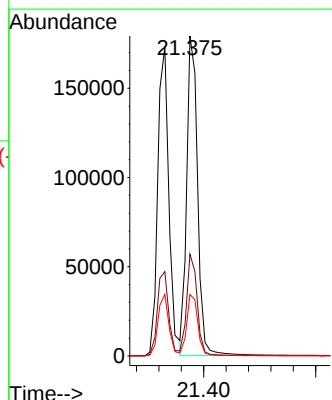
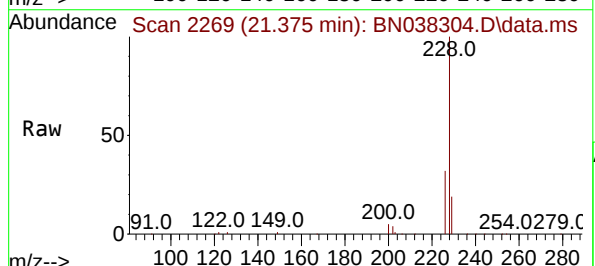
Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

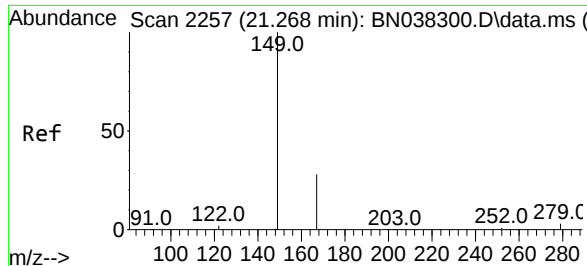
Tgt Ion:228 Resp: 239112
Ion Ratio Lower Upper
228 100
226 27.3 23.3 34.9
229 19.9 15.7 23.5



#33
Chrysene
Concen: 4.987 ng
RT: 21.375 min Scan# 2269
Delta R.T. 0.000 min
Lab File: BN038304.D
Acq: 10 Dec 2025 13:30

Tgt Ion:228 Resp: 242638
Ion Ratio Lower Upper
228 100
226 31.8 25.0 37.4
229 19.2 15.5 23.3

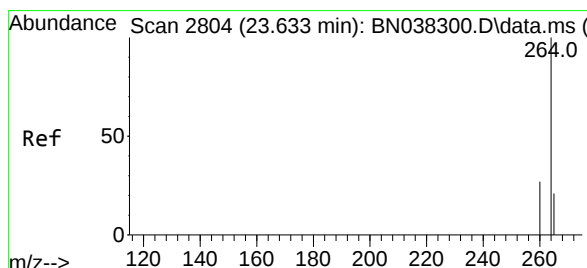
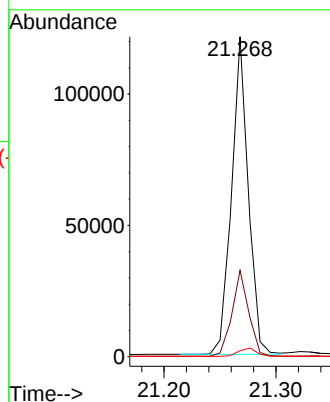
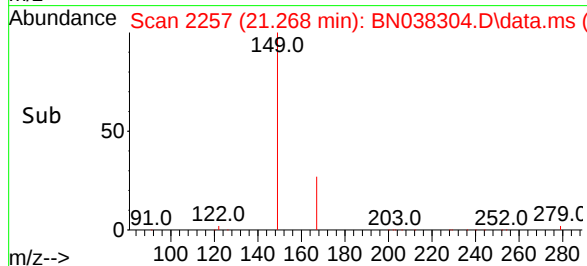
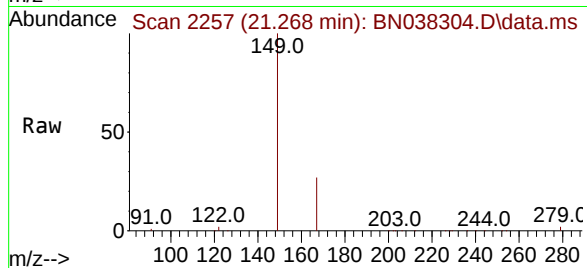




#34
Bis(2-ethylhexyl)phthalate
Concen: 5.186 ng
RT: 21.268 min Scan# 21
Delta R.T. 0.000 min
Lab File: BN038304.D
Acq: 10 Dec 2025 13:30

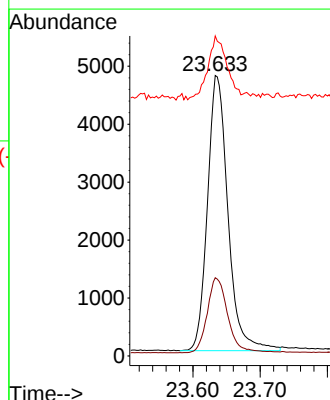
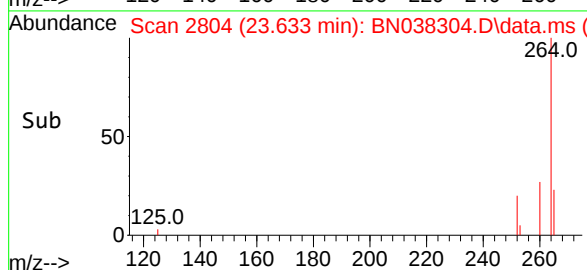
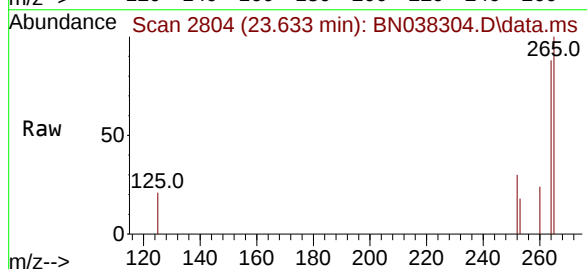
Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

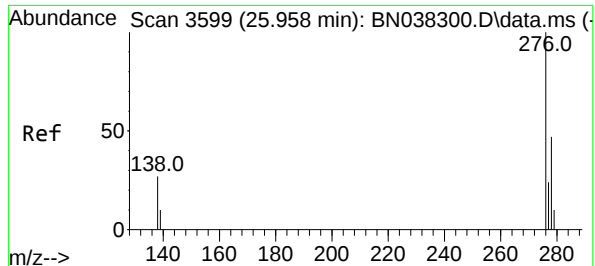
Tgt Ion:149 Resp: 125703
Ion Ratio Lower Upper
149 100
167 26.9 21.4 32.0
279 2.9 2.4 3.6



#35
Perylene-d12
Concen: 0.400 ng
RT: 23.633 min Scan# 2804
Delta R.T. 0.000 min
Lab File: BN038304.D
Acq: 10 Dec 2025 13:30

Tgt Ion:264 Resp: 10064
Ion Ratio Lower Upper
264 100
260 27.9 22.2 33.2
265 114.1 80.2 120.2





#36

Indeno(1,2,3-cd)pyrene

Concen: 5.489 ng

RT: 25.963 min Scan# 30

Delta R.T. 0.000 min

Lab File: BN038304.D

Acq: 10 Dec 2025 13:30

Instrument :

BNA_N

ClientSampleId :

SSTDICC5.0

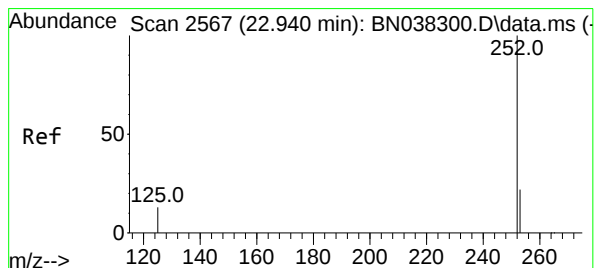
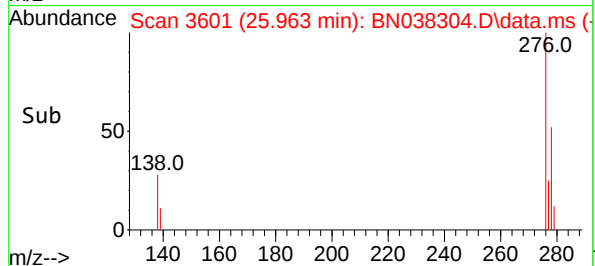
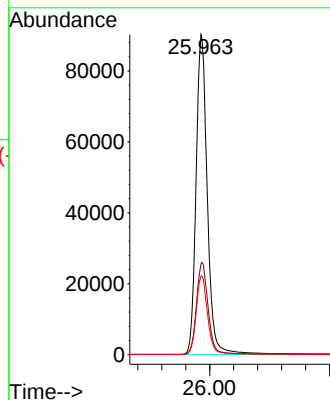
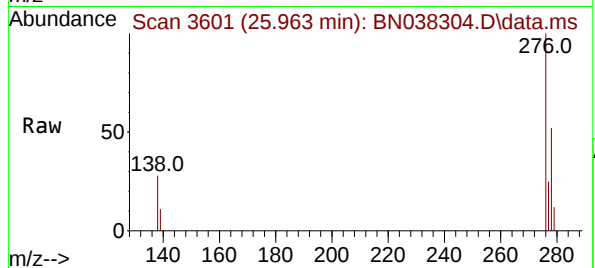
Tgt Ion:276 Resp: 293099

Ion Ratio Lower Upper

276 100

138 29.5 23.6 35.4

277 24.9 19.7 29.5



#37

Benzo(b)fluoranthene

Concen: 5.399 ng

RT: 22.946 min Scan# 2569

Delta R.T. 0.000 min

Lab File: BN038304.D

Acq: 10 Dec 2025 13:30

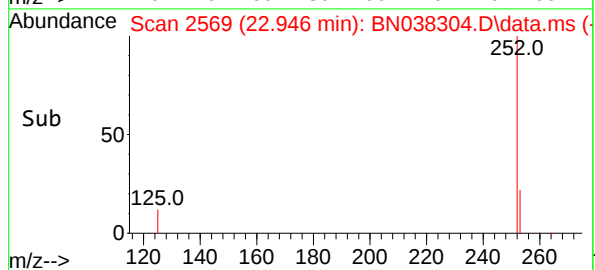
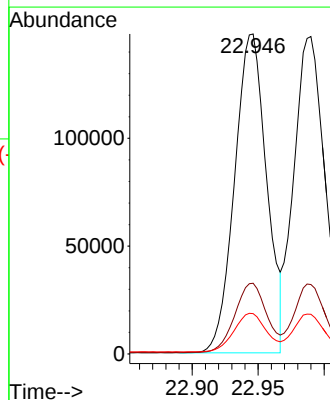
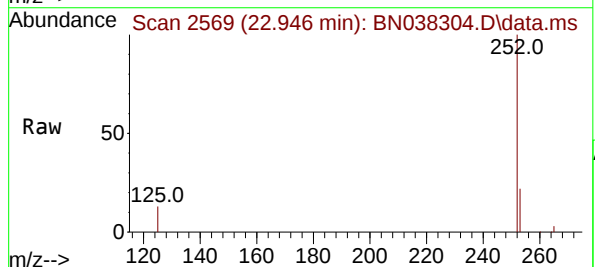
Tgt Ion:252 Resp: 249557

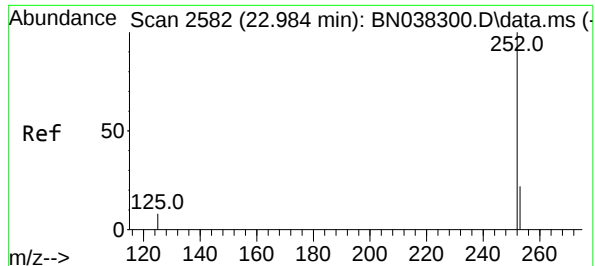
Ion Ratio Lower Upper

252 100

253 22.1 21.1 31.7

125 12.6 16.4 24.6#





#38

Benzo(k)fluoranthene

Concen: 5.444 ng

RT: 22.990 min Scan# 21

Delta R.T. 0.000 min

Lab File: BN038304.D

Acq: 10 Dec 2025 13:30

Instrument :

BNA_N

ClientSampleId :

SSTDICC5.0

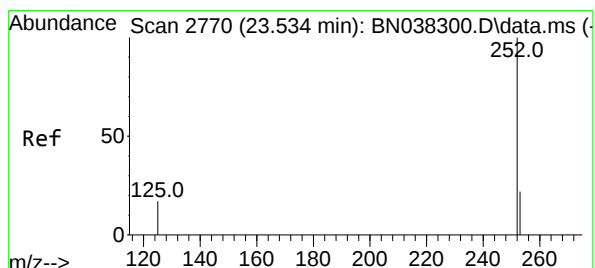
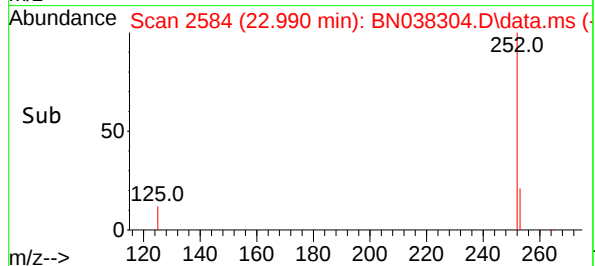
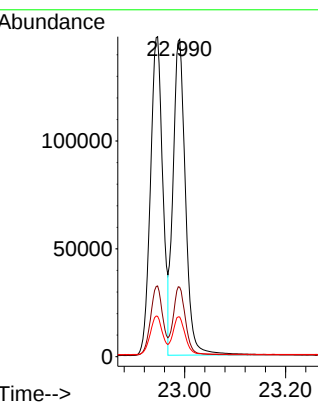
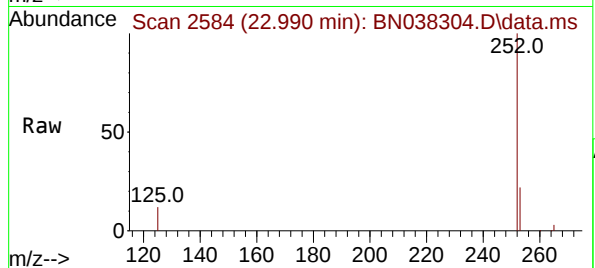
Tgt Ion:252 Resp: 250888

Ion Ratio Lower Upper

252 100

253 21.9 21.4 32.0

125 12.5 16.2 24.2#



#39

Benzo(a)pyrene

Concen: 5.530 ng

RT: 23.534 min Scan# 2770

Delta R.T. 0.000 min

Lab File: BN038304.D

Acq: 10 Dec 2025 13:30

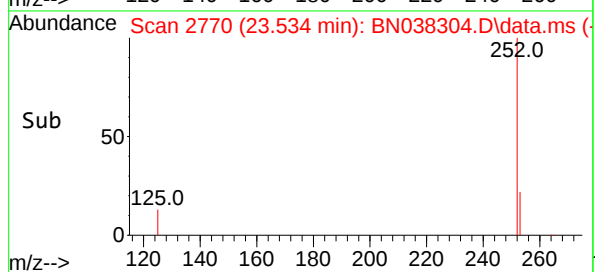
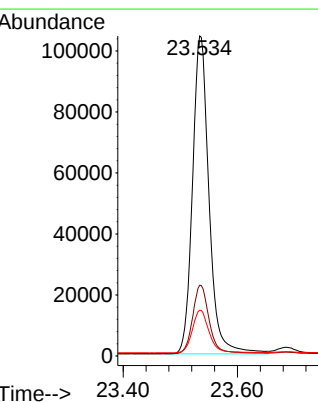
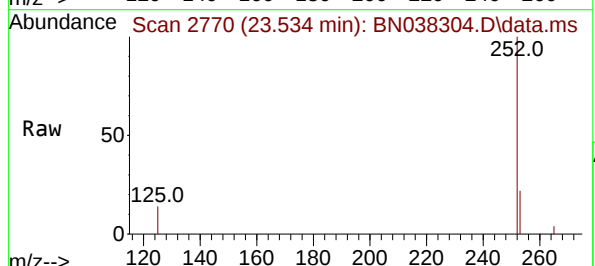
Tgt Ion:252 Resp: 209188

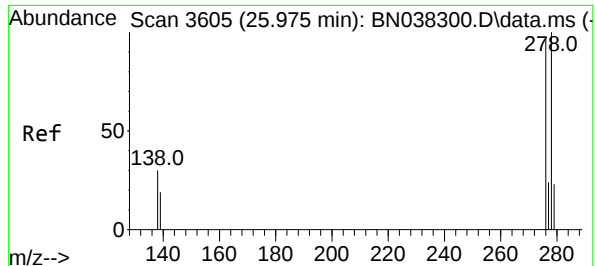
Ion Ratio Lower Upper

252 100

253 22.1 23.3 34.9#

125 14.3 22.4 33.6#





#40

Dibenzo(a,h)anthracene

Concen: 5.567 ng

RT: 25.981 min Scan# 30

Delta R.T. 0.000 min

Lab File: BN038304.D

Acq: 10 Dec 2025 13:30

Instrument :

BNA_N

ClientSampleId :

SSTDICC5.0

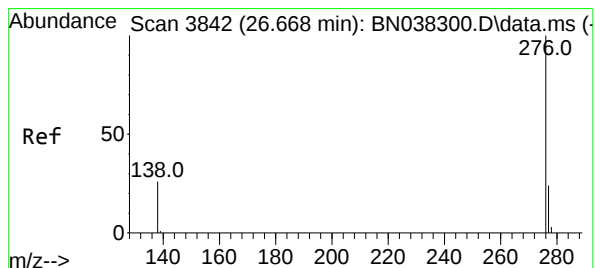
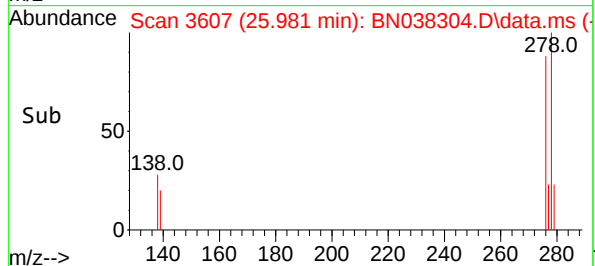
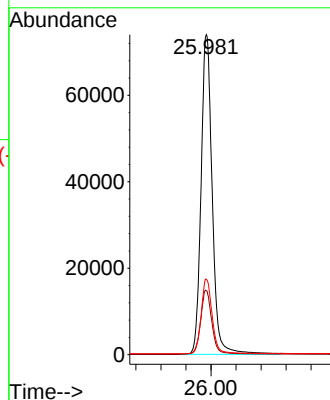
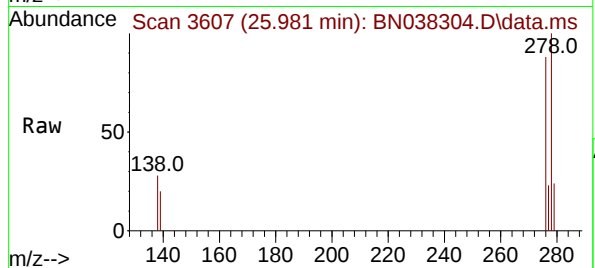
Tgt Ion:278 Resp: 229223

Ion Ratio Lower Upper

278 100

139 20.0 17.8 26.8

279 23.6 21.3 31.9



#41

Benzo(g,h,i)perylene

Concen: 5.369 ng

RT: 26.677 min Scan# 3845

Delta R.T. 0.000 min

Lab File: BN038304.D

Acq: 10 Dec 2025 13:30

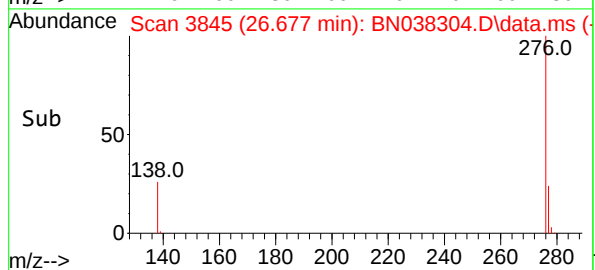
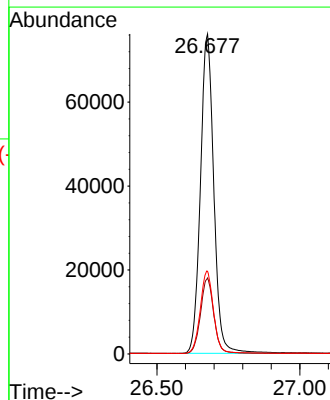
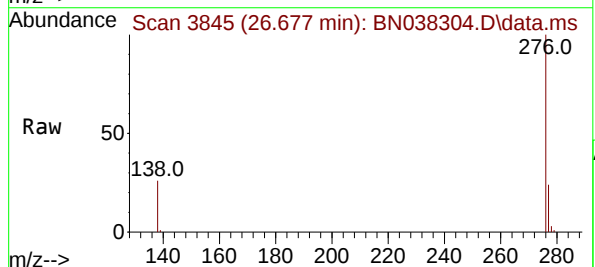
Tgt Ion:276 Resp: 247112

Ion Ratio Lower Upper

276 100

277 23.7 20.0 30.0

138 25.9 21.8 32.6



Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN121025\
 Data File : BN038305.D
 Acq On : 10 Dec 2025 14:06
 Operator : RC/JU
 Sample : SSTDICV0.4
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 ICVBN121025

Quant Time: Dec 10 14:34:41 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN121025.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Dec 10 13:56:50 2025
 Response via : Initial Calibration

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

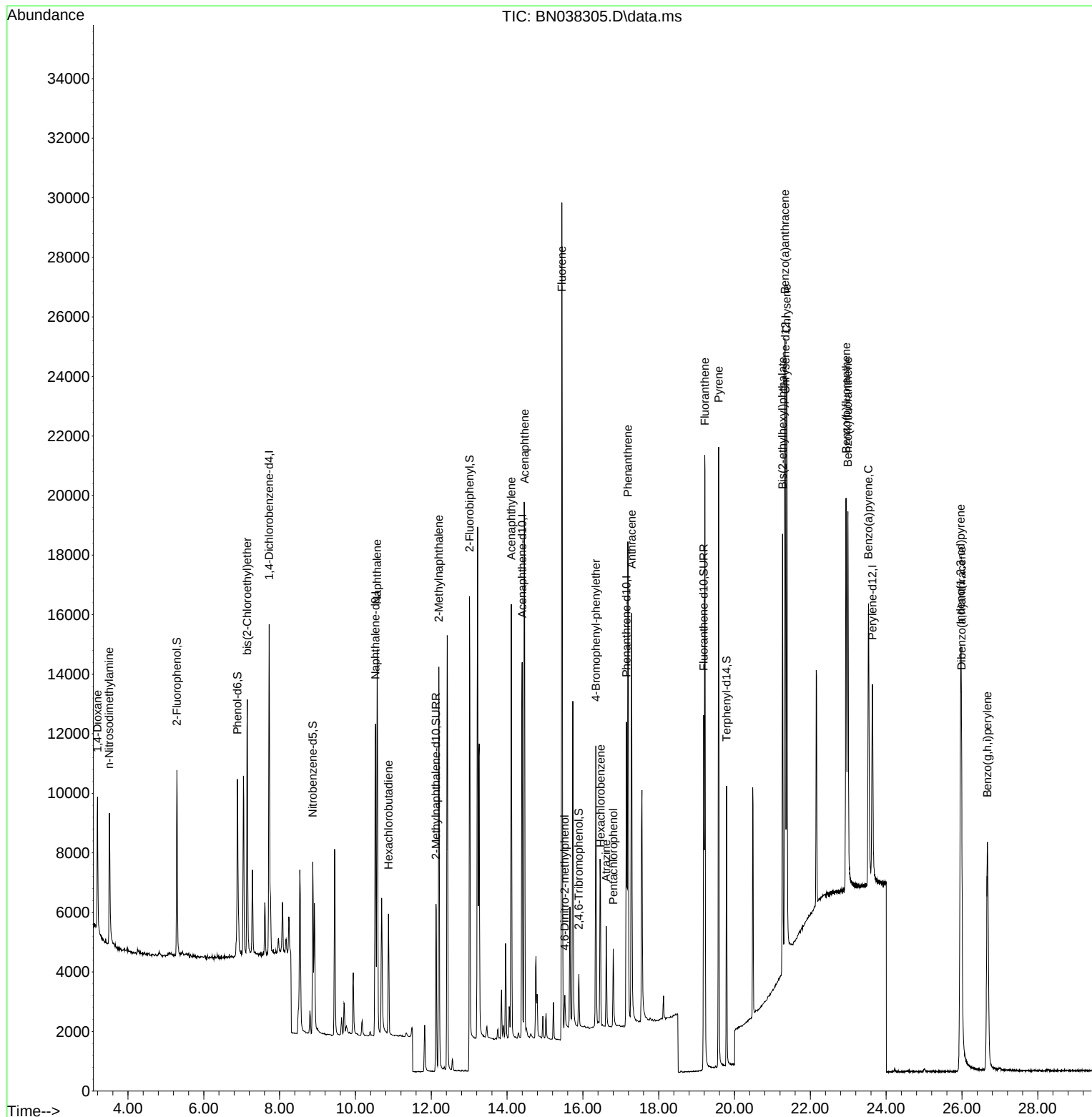
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.724	152	5494	0.400	ng	0.00
7) Naphthalene-d8	10.530	136	14732	0.400	ng	0.00
13) Acenaphthene-d10	14.398	164	7414	0.400	ng	0.00
19) Phenanthrene-d10	17.149	188	13558	0.400	ng	# 0.00
29) Chrysene-d12	21.340	240	10339	0.400	ng	0.00
35) Perylene-d12	23.636	264	9862	0.400	ng	# 0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.290	112	5169	0.378	ng	0.00
5) Phenol-d6	6.887	99	5881	0.362	ng	0.00
8) Nitrobenzene-d5	8.875	82	4810	0.387	ng	0.00
11) 2-Methylnaphthalene-d10	12.126	152	8240	0.397	ng	0.00
14) 2,4,6-Tribromophenol	15.895	330	1106	0.336	ng	0.00
15) 2-Fluorobiphenyl	13.008	172	13334	0.373	ng	0.00
27) Fluoranthene-d10	19.187	212	13145	0.392	ng	0.00
31) Terphenyl-d14	19.791	244	9107	0.395	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.196	88	2785	0.442	ng	98
3) n-Nitrosodimethylamine	3.507	42	3219	0.408	ng	# 98
6) bis(2-Chloroethyl)ether	7.147	93	6576	0.413	ng	99
9) Naphthalene	10.573	128	17206	0.395	ng	100
10) Hexachlorobutadiene	10.872	225	3156	0.408	ng	# 99
12) 2-Methylnaphthalene	12.202	142	10135	0.367	ng	99
16) Acenaphthylene	14.110	152	15840	0.435	ng	99
17) Acenaphthene	14.462	154	10069	0.397	ng	98
18) Fluorene	15.446	166	12748	0.391	ng	99
20) 4,6-Dinitro-2-methylph...	15.523	198	733	0.329	ng	# 78
21) 4-Bromophenyl-phenylether	16.342	248	3847	0.382	ng	# 90
22) Hexachlorobenzene	16.466	284	4774	0.395	ng	99
23) Atrazine	16.615	200	2571	0.375	ng	96
24) Pentachlorophenol	16.801	266	1394	0.295	ng	98
25) Phenanthrene	17.186	178	18314	0.388	ng	100
26) Anthracene	17.285	178	16082	0.395	ng	99
28) Fluoranthene	19.220	202	18786	0.375	ng	100
30) Pyrene	19.582	202	19552	0.384	ng	100
32) Benzo(a)anthracene	21.331	228	15962	0.400	ng	98
33) Chrysene	21.375	228	17443	0.397	ng	99
34) Bis(2-ethylhexyl)phtha...	21.268	149	8119	0.371	ng	99
36) Indeno(1,2,3-cd)pyrene	25.966	276	19287	0.369	ng	99
37) Benzo(b)fluoranthene	22.943	252	17623	0.389	ng	98
38) Benzo(k)fluoranthene	22.990	252	17707	0.392	ng	98
39) Benzo(a)pyrene	23.534	252	15048	0.406	ng	98
40) Dibenzo(a,h)anthracene	25.987	278	15615	0.387	ng	98
41) Benzo(g,h,i)perylene	26.671	276	16981	0.377	ng	99

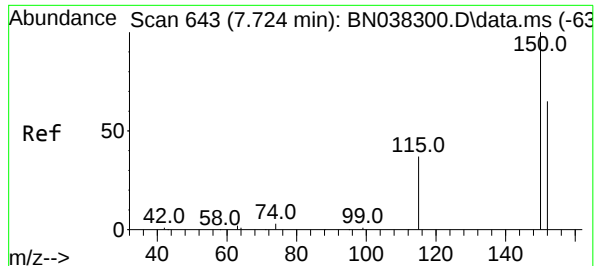
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Data File : BN038305.D
Acq On : 10 Dec 2025 14:06
Operator : RC/JU
Sample : SSTDICV0.4
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
ICVBN121025

Quant Time: Dec 10 14:34:41 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN121025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Dec 10 13:56:50 2025
Response via : Initial Calibration

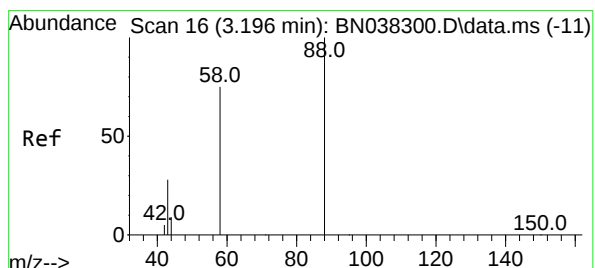
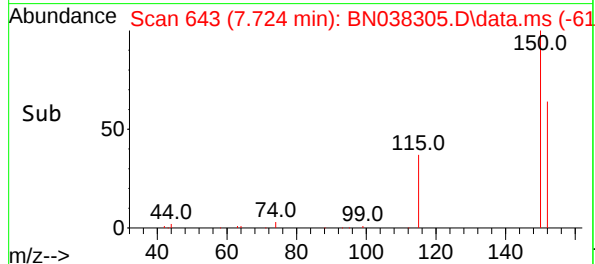
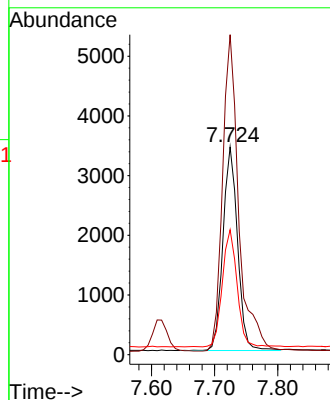
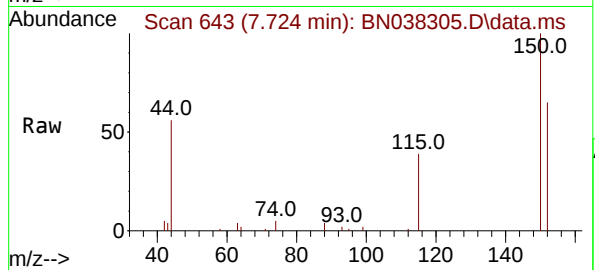




#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.724 min Scan# 64
Delta R.T. 0.000 min
Lab File: BN038305.D
Acq: 10 Dec 2025 14:06

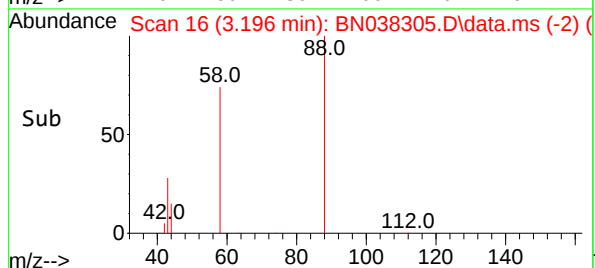
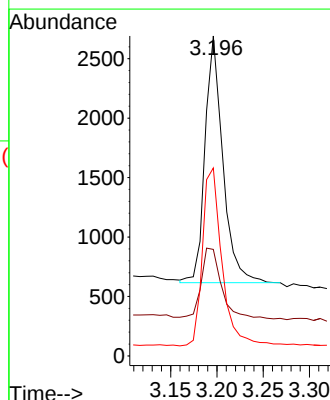
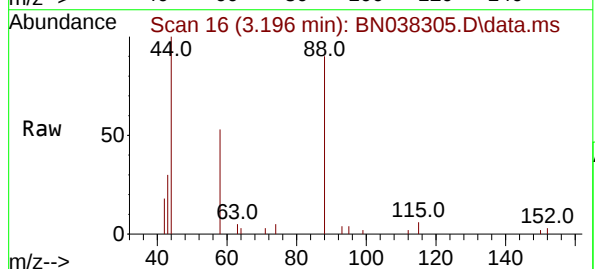
Instrument :
BNA_N
ClientSampleId :
ICVBN121025

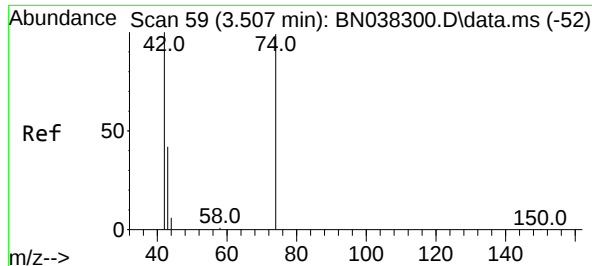
Tgt Ion:152 Resp: 5494
Ion Ratio Lower Upper
152 100
150 154.1 122.4 183.6
115 60.2 47.3 70.9



#2
1,4-Dioxane
Concen: 0.442 ng
RT: 3.196 min Scan# 16
Delta R.T. 0.000 min
Lab File: BN038305.D
Acq: 10 Dec 2025 14:06

Tgt Ion: 88 Resp: 2785
Ion Ratio Lower Upper
88 100
43 32.6 24.9 37.3
58 78.3 61.4 92.0

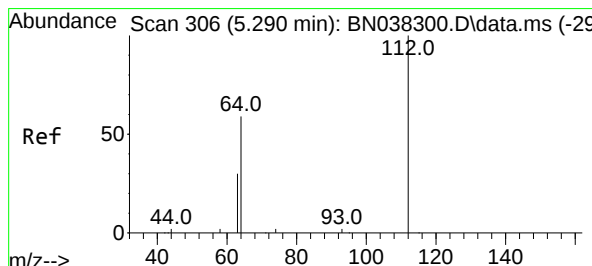
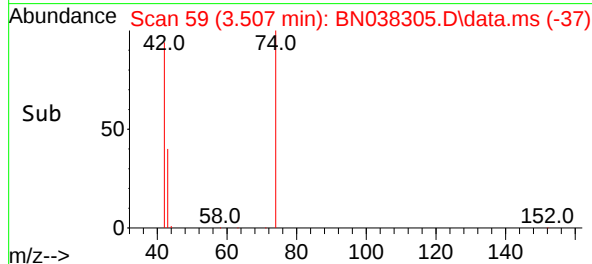
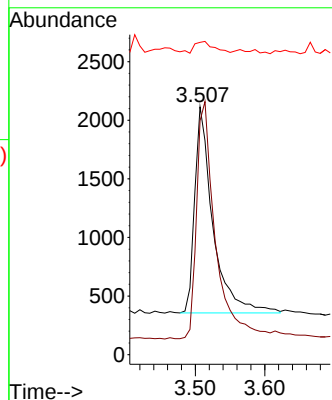
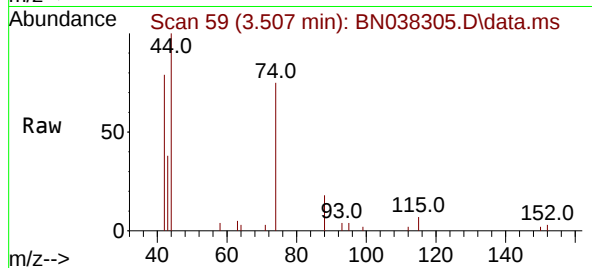




#3
n-Nitrosodimethylamine
Concen: 0.408 ng
RT: 3.507 min Scan# 59
Delta R.T. 0.007 min
Lab File: BN038305.D
Acq: 10 Dec 2025 14:06

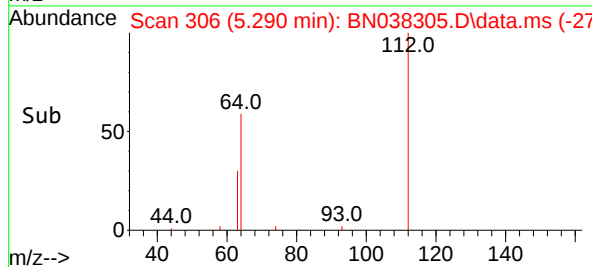
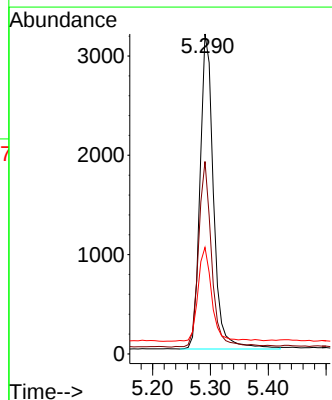
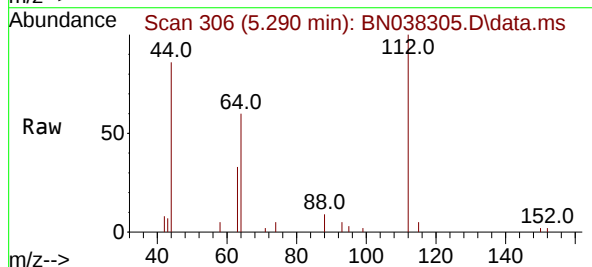
Instrument :
BNA_N
ClientSampleId :
ICVBN121025

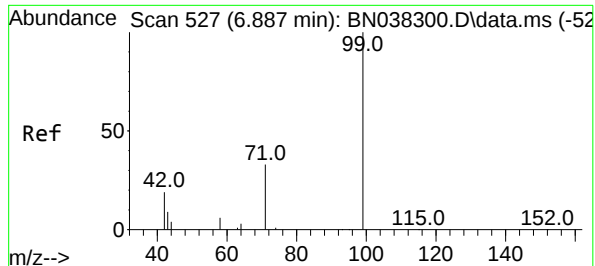
Tgt Ion: 42 Resp: 3219
Ion Ratio Lower Upper
42 100
74 120.1 95.3 142.9
44 5.9 7.9 11.9#



#4
2-Fluorophenol
Concen: 0.378 ng
RT: 5.290 min Scan# 306
Delta R.T. 0.000 min
Lab File: BN038305.D
Acq: 10 Dec 2025 14:06

Tgt Ion: 112 Resp: 5169
Ion Ratio Lower Upper
112 100
64 57.1 44.4 66.6
63 30.5 23.4 35.0

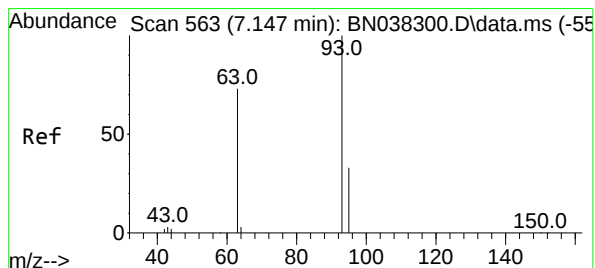
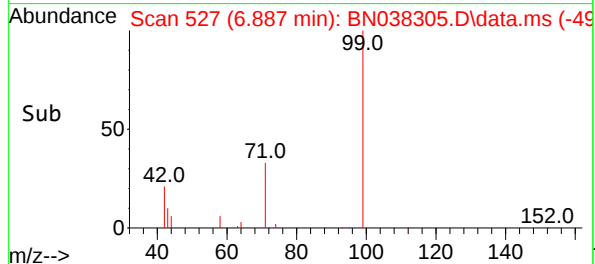
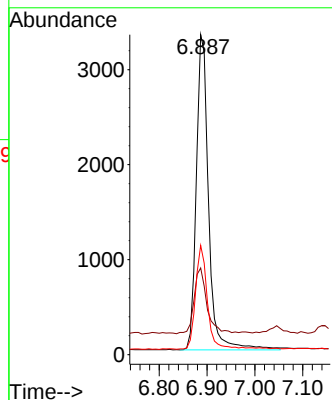
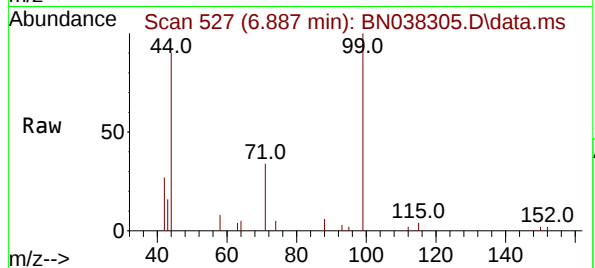




#5
Phenol-d6
Concen: 0.362 ng
RT: 6.887 min Scan# 51
Delta R.T. 0.000 min
Lab File: BN038305.D
Acq: 10 Dec 2025 14:06

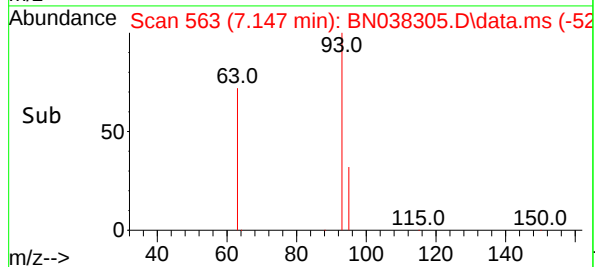
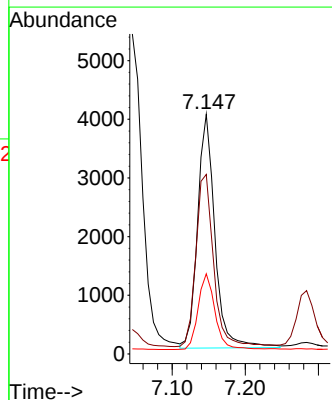
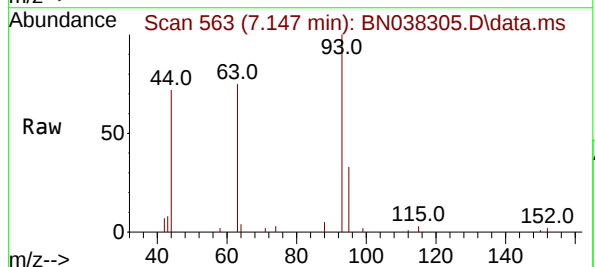
Instrument :
BNA_N
ClientSampleId :
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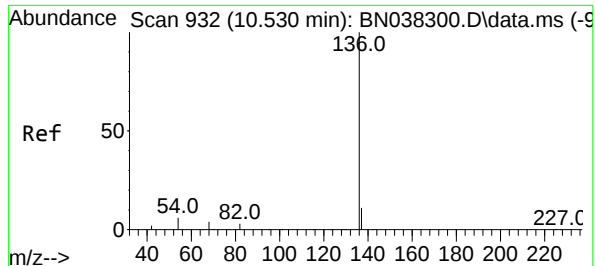
Tgt Ion: 99 Resp: 5881
Ion Ratio Lower Upper
99 100
42 22.1 16.5 24.7
71 32.1 24.9 37.3



#6
bis(2-Chloroethyl)ether
Concen: 0.413 ng
RT: 7.147 min Scan# 563
Delta R.T. 0.000 min
Lab File: BN038305.D
Acq: 10 Dec 2025 14:06

Tgt Ion: 93 Resp: 6576
Ion Ratio Lower Upper
93 100
63 75.5 59.2 88.8
95 31.8 25.2 37.8

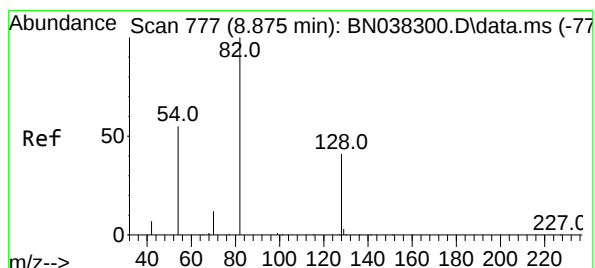
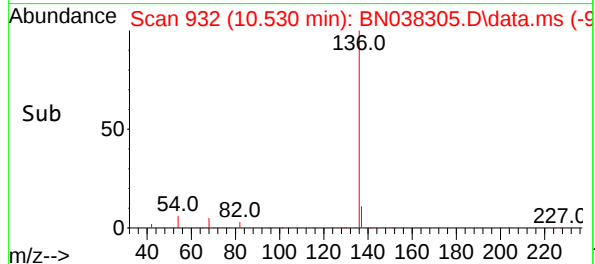
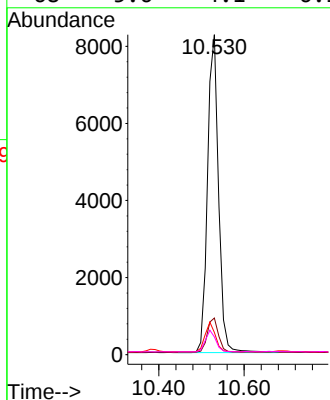
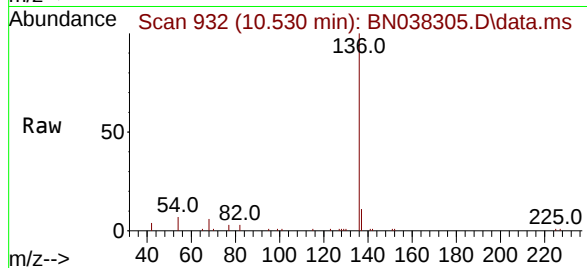




#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.530 min Scan# 91
Delta R.T. 0.000 min
Lab File: BN038305.D
Acq: 10 Dec 2025 14:06

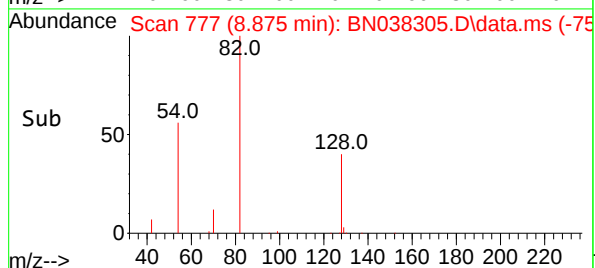
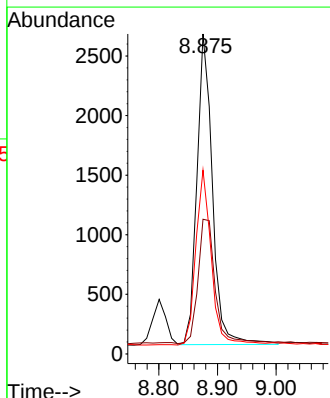
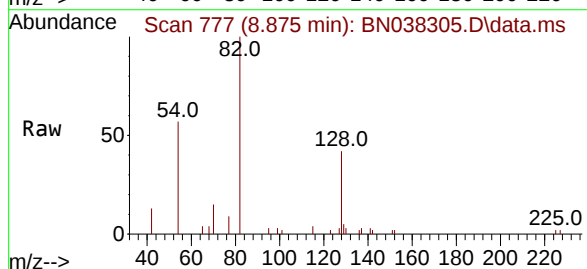
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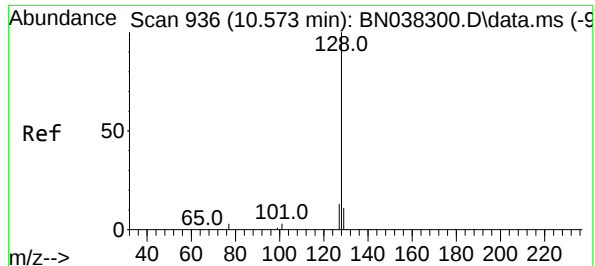
Tgt Ion:	136	Resp:	14732
Ion	Ratio	Lower	Upper
136	100		
137	11.5	9.1	13.7
54	6.9	5.2	7.8
68	5.6	4.1	6.1



#8
Nitrobenzene-d5
Concen: 0.387 ng
RT: 8.875 min Scan# 777
Delta R.T. 0.000 min
Lab File: BN038305.D
Acq: 10 Dec 2025 14:06

Tgt Ion:	82	Resp:	4810
Ion	Ratio	Lower	Upper
82	100		
128	42.1	34.0	51.0
54	57.4	44.4	66.6

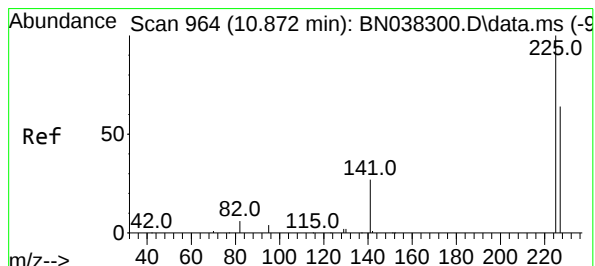
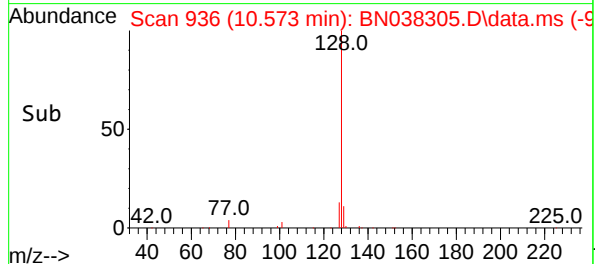
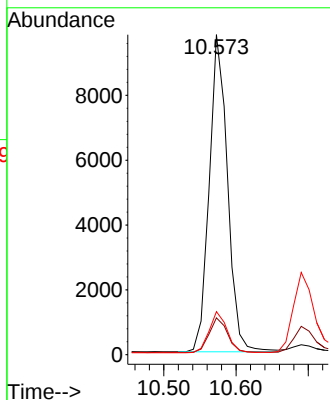
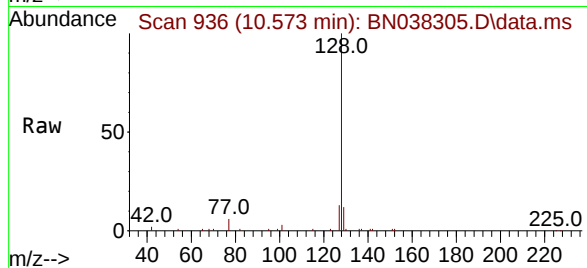




#9
Naphthalene
Concen: 0.395 ng
RT: 10.573 min Scan# 936
Delta R.T. 0.000 min
Lab File: BN038305.D
Acq: 10 Dec 2025 14:06

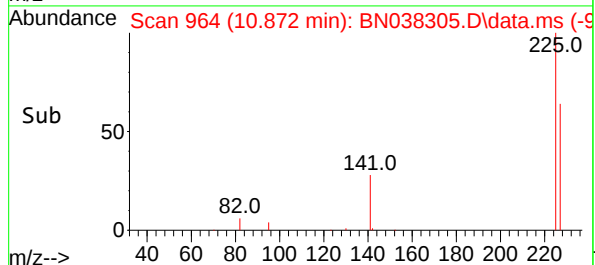
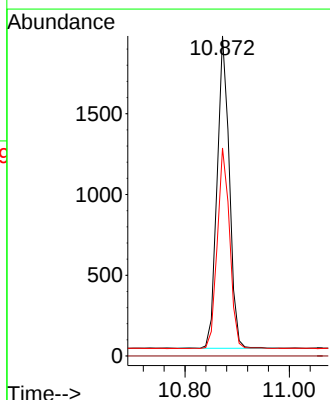
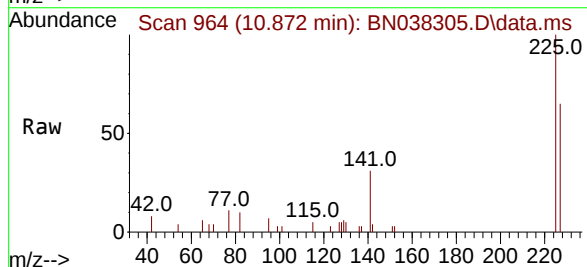
Instrument :
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ClientSampleId :
ICVBN121025

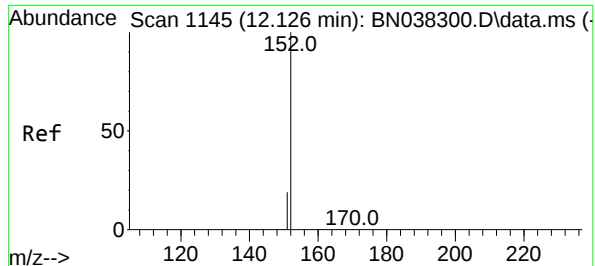
Tgt Ion:128 Resp: 17206
Ion Ratio Lower Upper
128 100
129 11.5 9.1 13.7
127 13.5 10.9 16.3



#10
Hexachlorobutadiene
Concen: 0.408 ng
RT: 10.872 min Scan# 964
Delta R.T. 0.000 min
Lab File: BN038305.D
Acq: 10 Dec 2025 14:06

Tgt Ion:225 Resp: 3156
Ion Ratio Lower Upper
225 100
223 0.0 0.0 0.0
227 64.7 51.2 76.8

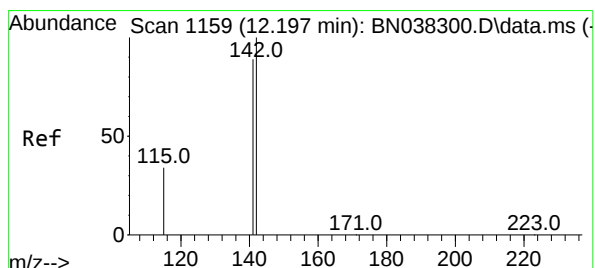
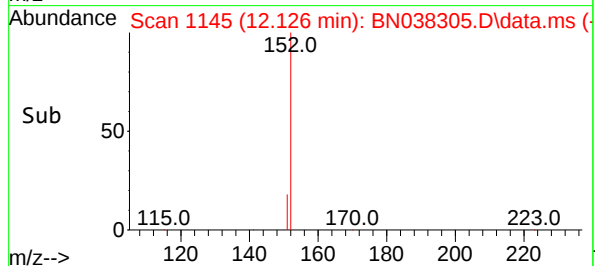
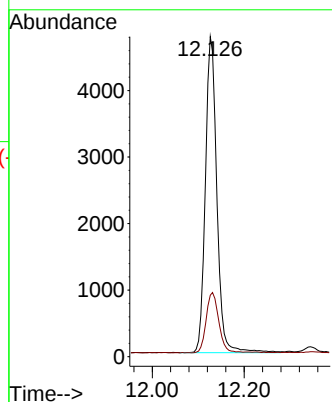
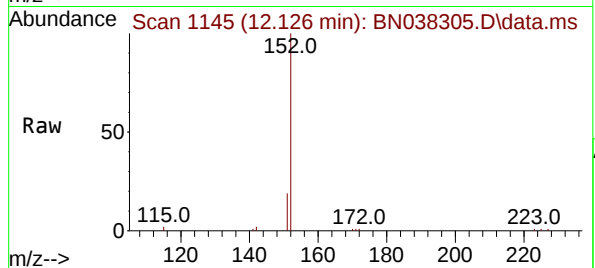




#11
2-Methylnaphthalene-d10
Concen: 0.397 ng
RT: 12.126 min Scan# 1145
Delta R.T. 0.000 min
Lab File: BN038305.D
Acq: 10 Dec 2025 14:06

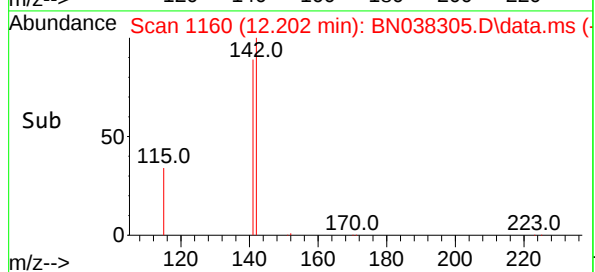
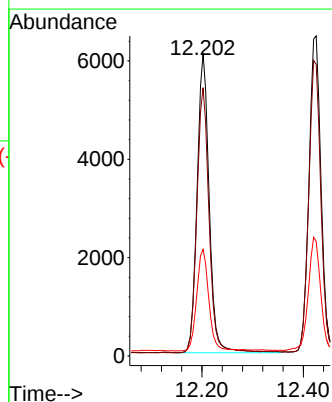
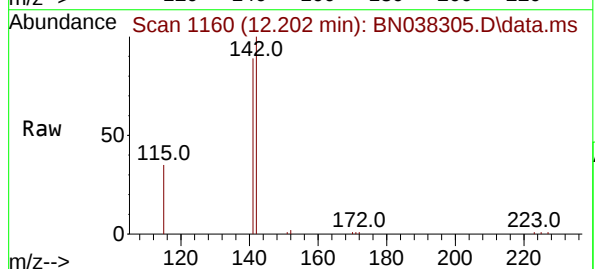
Instrument :
BNA_N
ClientSampleId :
ICVBN121025

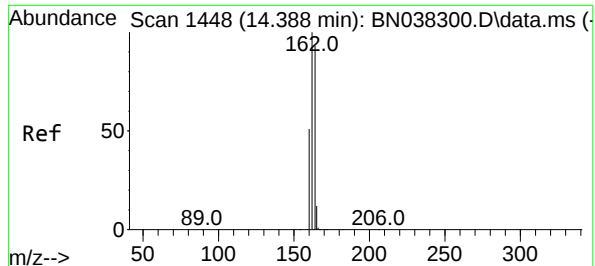
Tgt Ion:152 Resp: 8240
Ion Ratio Lower Upper
152 100
151 21.0 17.0 25.6



#12
2-Methylnaphthalene
Concen: 0.367 ng
RT: 12.202 min Scan# 1160
Delta R.T. 0.000 min
Lab File: BN038305.D
Acq: 10 Dec 2025 14:06

Tgt Ion:142 Resp: 10135
Ion Ratio Lower Upper
142 100
141 88.7 71.4 107.2
115 35.2 28.4 42.6

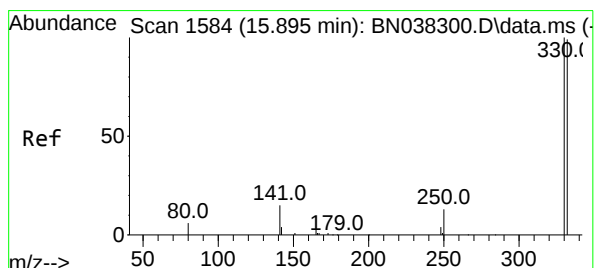
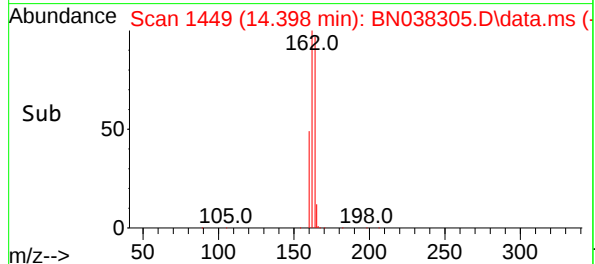
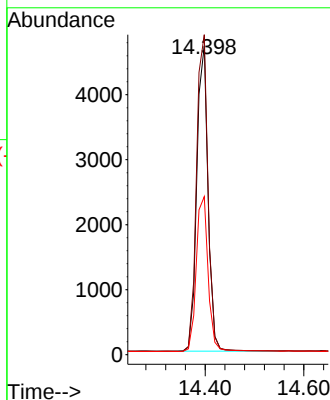
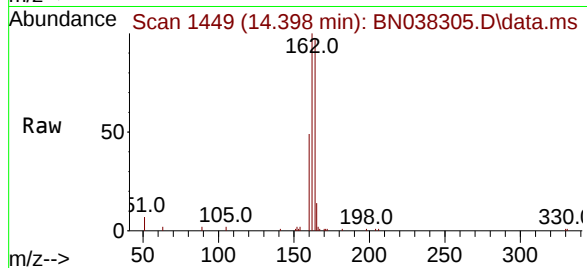




#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.398 min Scan# 1448
Delta R.T. 0.000 min
Lab File: BN038305.D
Acq: 10 Dec 2025 14:06

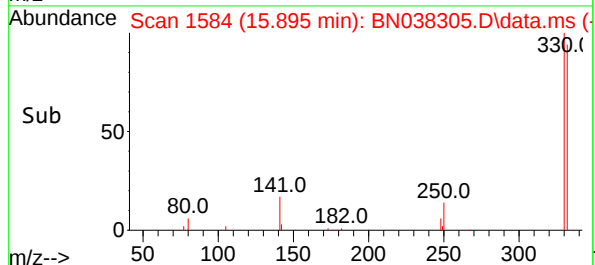
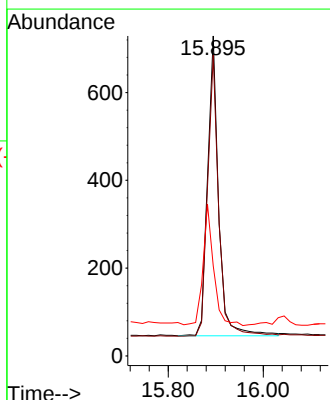
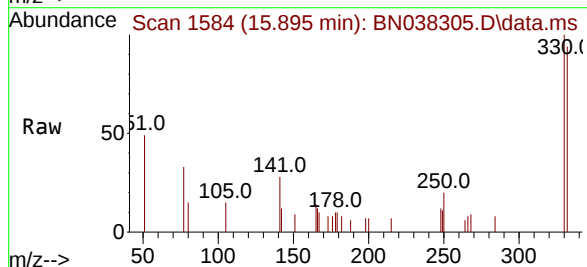
Instrument :
BNA_N
ClientSampleId :
ICVBN121025

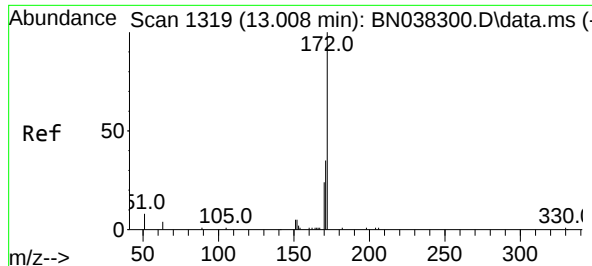
Tgt Ion:164 Resp: 7414
Ion Ratio Lower Upper
164 100
162 103.6 86.2 129.4
160 51.1 44.6 67.0



#14
2,4,6-Tribromophenol
Concen: 0.336 ng
RT: 15.895 min Scan# 1584
Delta R.T. 0.000 min
Lab File: BN038305.D
Acq: 10 Dec 2025 14:06

Tgt Ion:330 Resp: 1106
Ion Ratio Lower Upper
330 100
332 94.6 75.8 113.6
141 37.6 31.8 47.8





#15

2-Fluorobiphenyl

Concen: 0.373 ng

RT: 13.008 min Scan# 1319

Delta R.T. 0.000 min

Lab File: BN038305.D

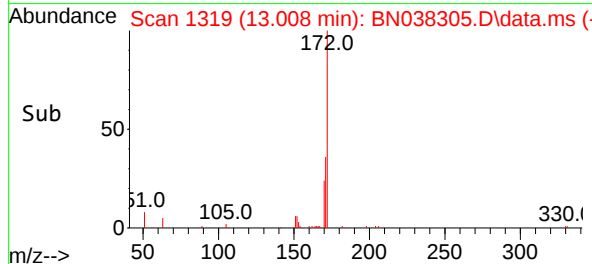
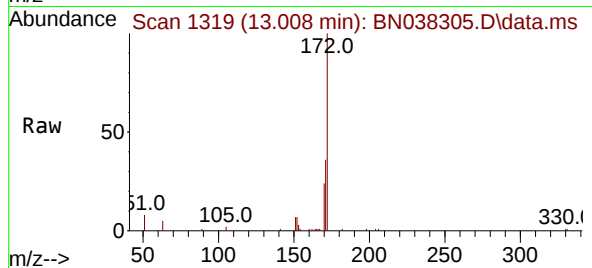
Acq: 10 Dec 2025 14:06

Instrument :

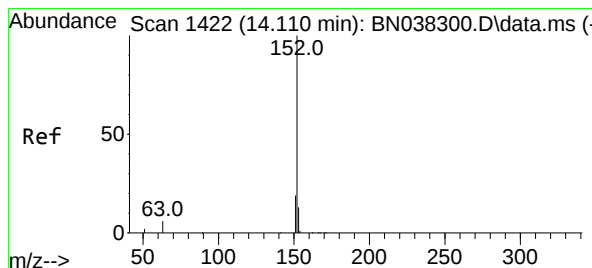
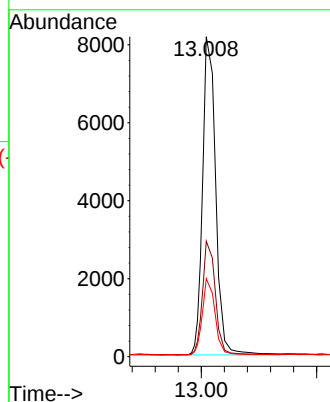
BNA_N

ClientSampleId :

ICVBN121025



Tgt Ion:	172	Resp:	13334
Ion Ratio	Lower	Upper	
172	100		
171	36.1	28.6	42.8
170	24.4	19.3	28.9



#16

Acenaphthylene

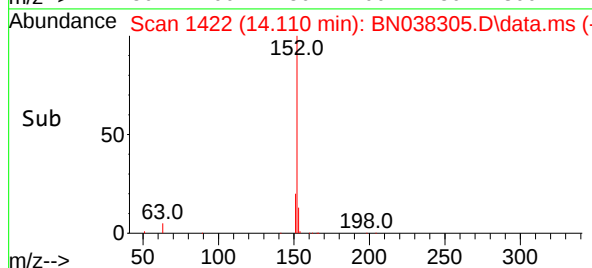
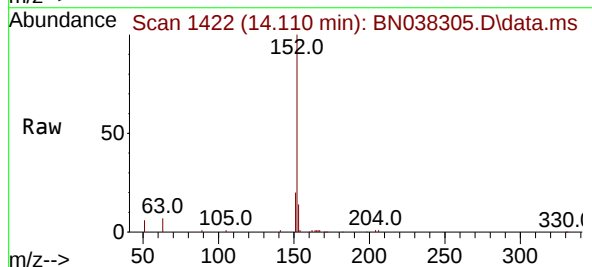
Concen: 0.435 ng

RT: 14.110 min Scan# 1422

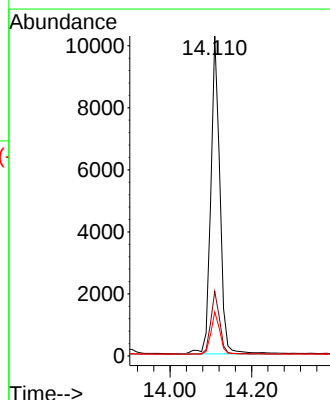
Delta R.T. 0.000 min

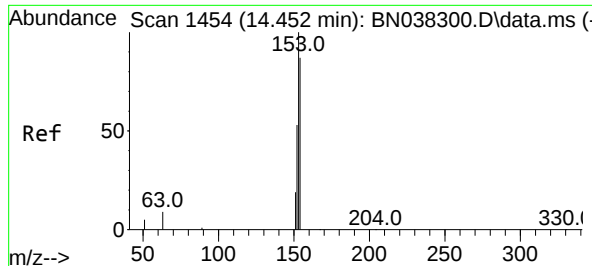
Lab File: BN038305.D

Acq: 10 Dec 2025 14:06



Tgt Ion:	152	Resp:	15840
Ion Ratio	Lower	Upper	
152	100		
151	19.8	15.4	23.2
153	13.1	10.2	15.4

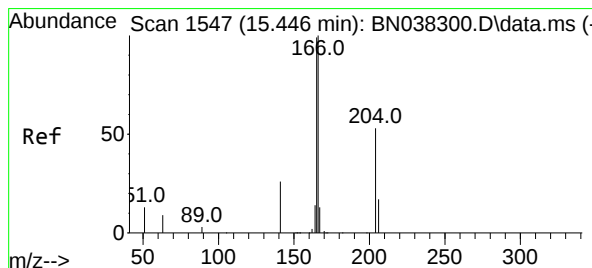
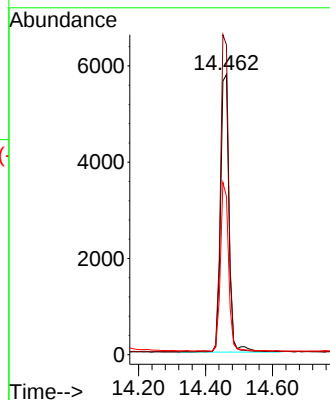
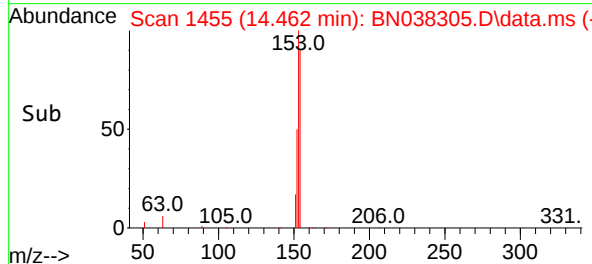
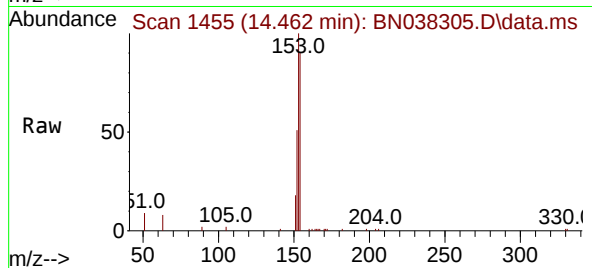




#17
Acenaphthene
Concen: 0.397 ng
RT: 14.462 min Scan# 1455
Delta R.T. 0.000 min
Lab File: BN038305.D
Acq: 10 Dec 2025 14:06

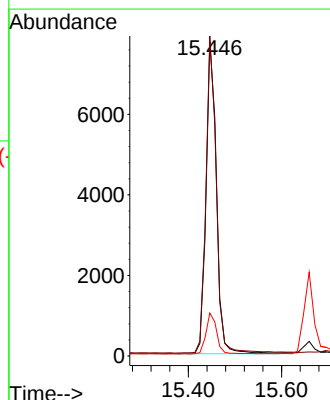
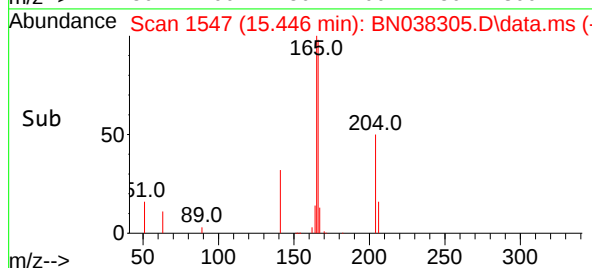
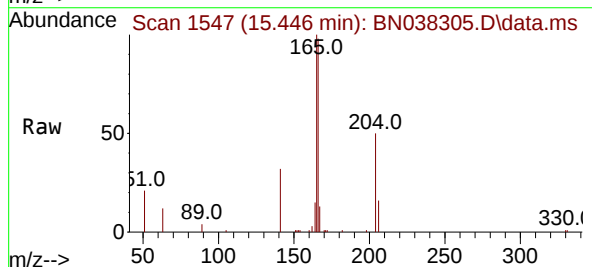
Instrument :
BNA_N
ClientSampleId :
ICVBN121025

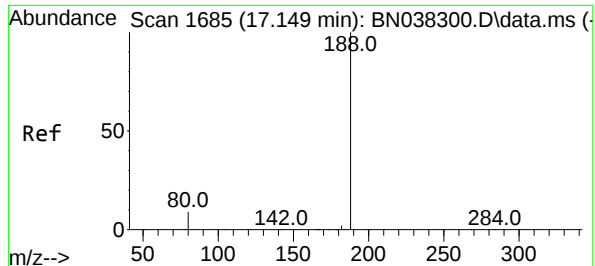
Tgt Ion:154 Resp: 10069
Ion Ratio Lower Upper
154 100
153 110.0 89.8 134.8
152 57.8 47.5 71.3



#18
Fluorene
Concen: 0.391 ng
RT: 15.446 min Scan# 1547
Delta R.T. -0.000 min
Lab File: BN038305.D
Acq: 10 Dec 2025 14:06

Tgt Ion:166 Resp: 12748
Ion Ratio Lower Upper
166 100
165 99.6 80.2 120.4
167 13.1 10.6 16.0





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 17.149 min Scan# 1

Delta R.T. 0.000 min

Lab File: BN038305.D

Acq: 10 Dec 2025 14:06

Instrument :

BNA_N

ClientSampleId :

ICVBN121025

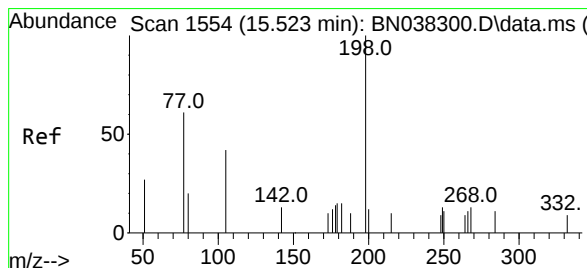
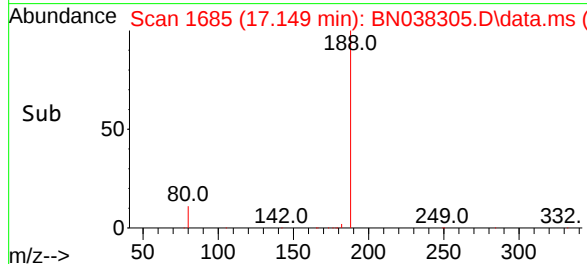
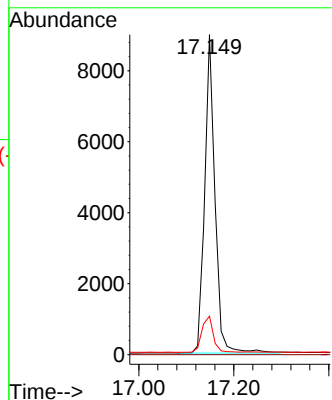
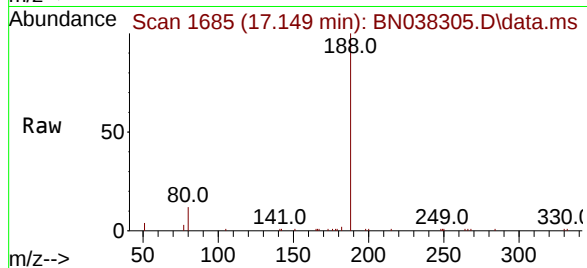
Tgt Ion:188 Resp: 13558

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

80 12.0 7.4 11.0#



#20

4,6-Dinitro-2-methylphenol

Concen: 0.329 ng

RT: 15.523 min Scan# 1554

Delta R.T. 0.001 min

Lab File: BN038305.D

Acq: 10 Dec 2025 14:06

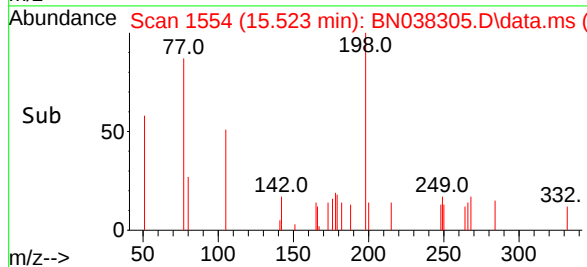
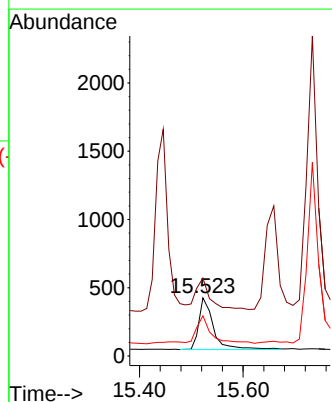
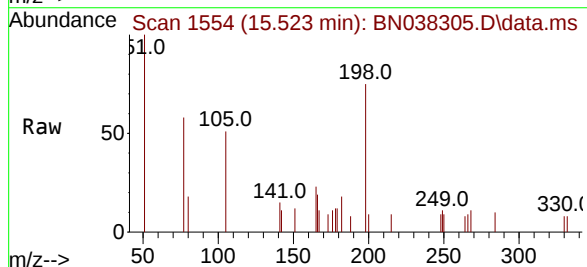
Tgt Ion:198 Resp: 733

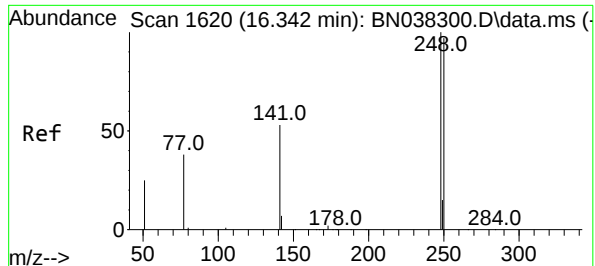
Ion Ratio Lower Upper

198 100

51 134.0 86.3 129.5#

105 69.0 45.3 67.9#

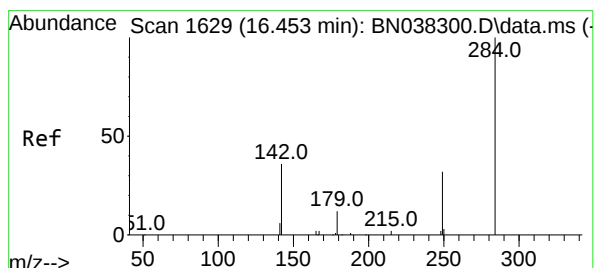
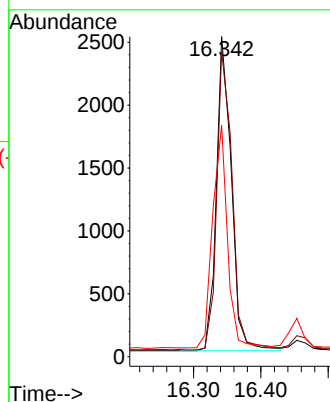
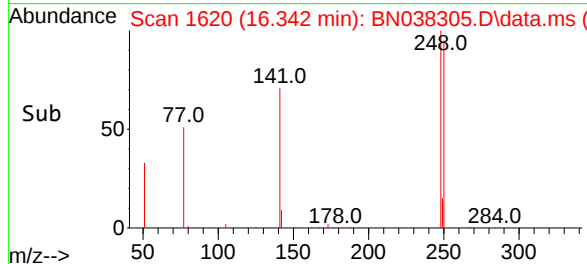
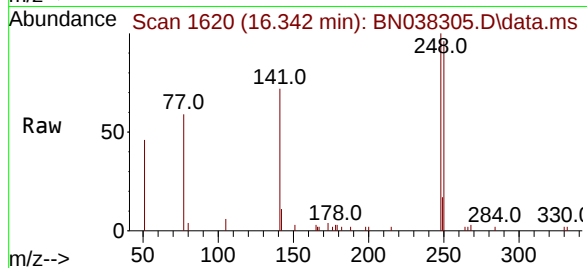




#21
4-Bromophenyl-phenylether
Concen: 0.382 ng
RT: 16.342 min Scan# 1630
Delta R.T. -0.000 min
Lab File: BN038305.D
Acq: 10 Dec 2025 14:06

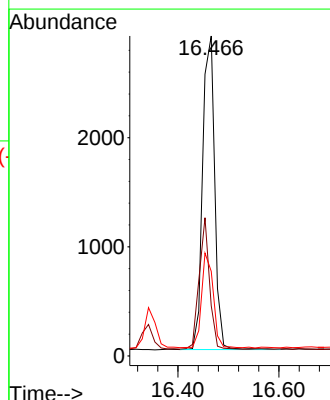
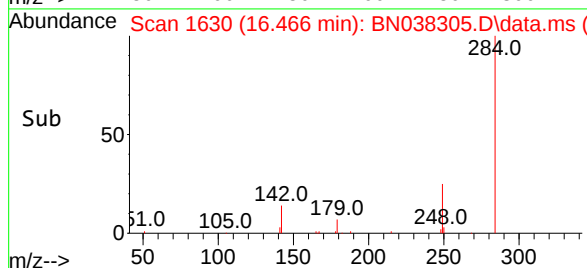
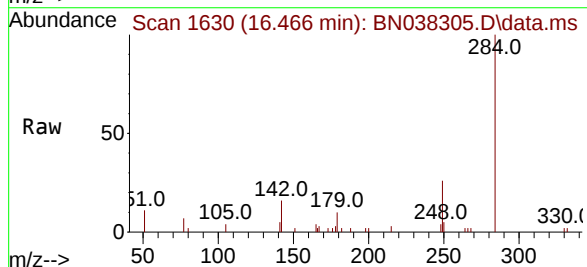
Instrument :
BNA_N
ClientSampleId :
ICVBN121025

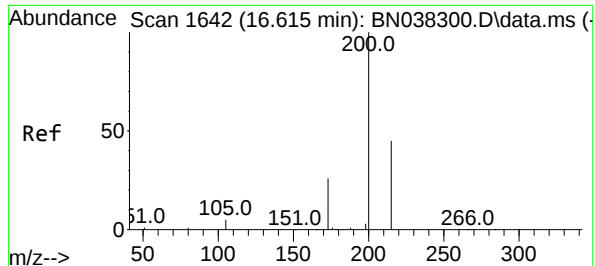
Tgt Ion	Ratio	Lower	Upper
248	100		
250	95.5	78.2	117.2
141	72.2	43.7	65.5



#22
Hexachlorobenzene
Concen: 0.395 ng
RT: 16.466 min Scan# 1630
Delta R.T. 0.000 min
Lab File: BN038305.D
Acq: 10 Dec 2025 14:06

Tgt Ion	Ratio	Lower	Upper
284	100		
142	36.3	29.5	44.3
249	29.1	23.7	35.5

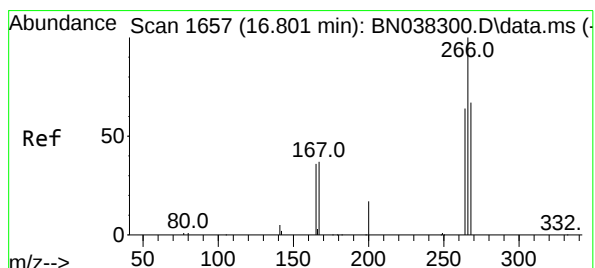
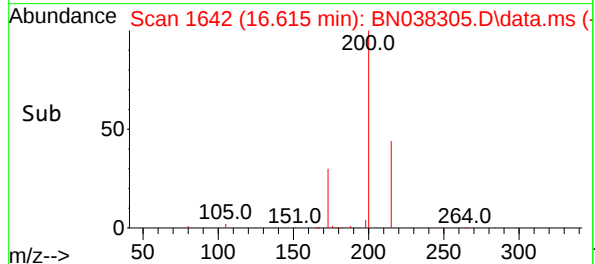
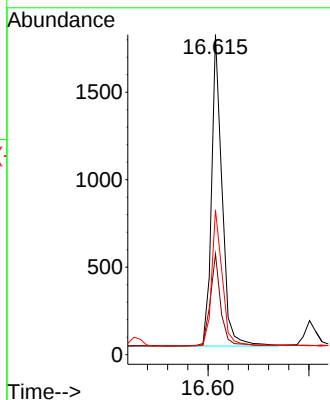
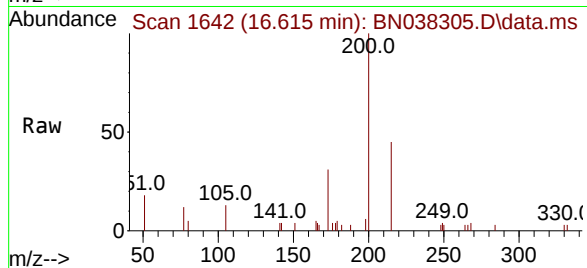




#23
Atrazine
Concen: 0.375 ng
RT: 16.615 min Scan# 1642
Delta R.T. 0.000 min
Lab File: BN038305.D
Acq: 10 Dec 2025 14:06

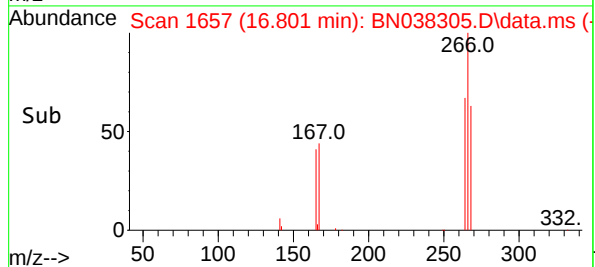
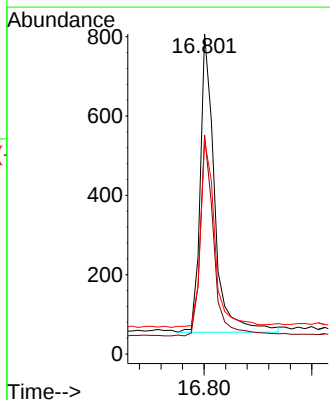
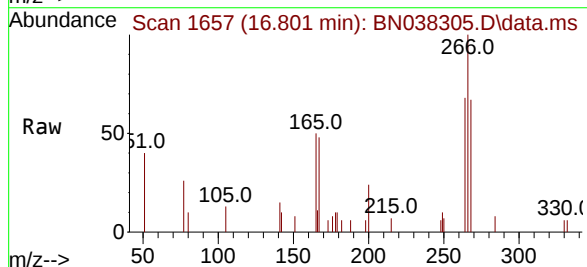
Instrument :
BNA_N
ClientSampleId :
ICVBN121025

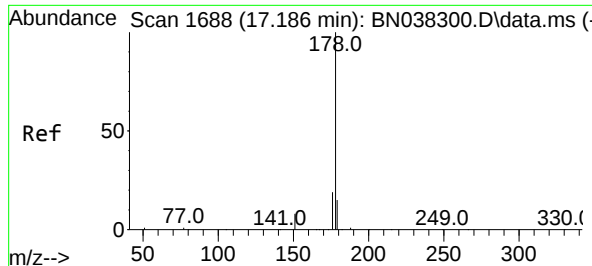
Tgt Ion	Ratio	Lower	Upper
200	100		
173	31.5	22.1	33.1
215	45.3	37.4	56.2



#24
Pentachlorophenol
Concen: 0.295 ng
RT: 16.801 min Scan# 1657
Delta R.T. 0.000 min
Lab File: BN038305.D
Acq: 10 Dec 2025 14:06

Tgt Ion	Ratio	Lower	Upper
266	100		
264	63.1	50.2	75.2
268	62.9	52.6	78.8

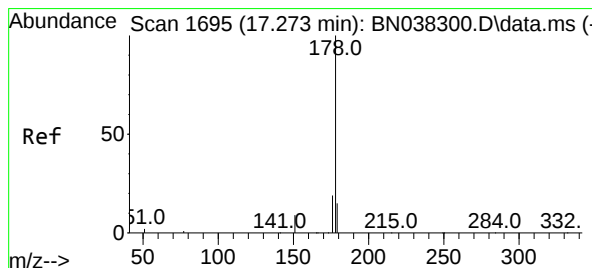
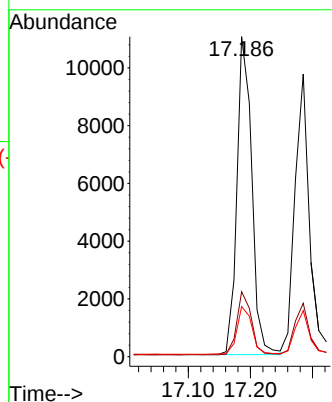
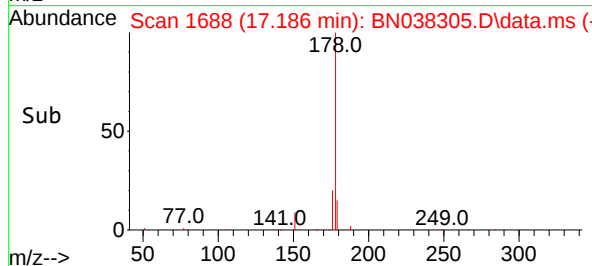
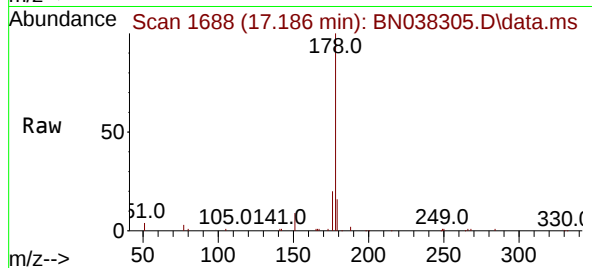




#25
Phenanthrene
Concen: 0.388 ng
RT: 17.186 min Scan# 1688
Delta R.T. 0.000 min
Lab File: BN038305.D
Acq: 10 Dec 2025 14:06

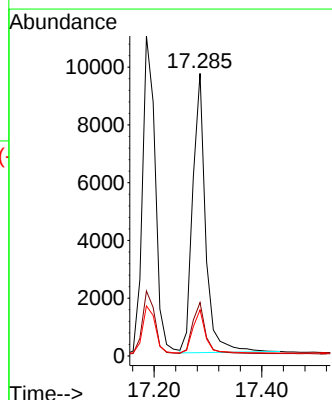
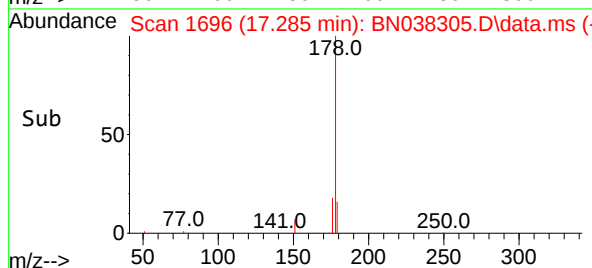
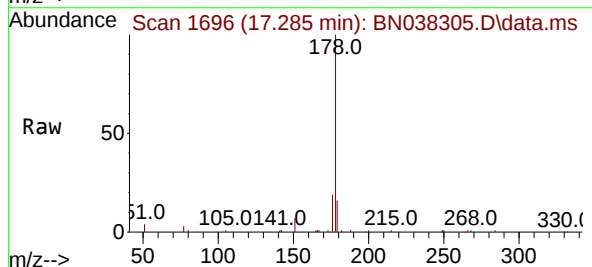
Instrument :
BNA_N
ClientSampleId :
ICVBN121025

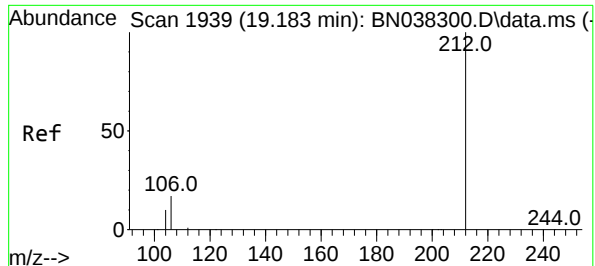
Tgt Ion:178 Resp: 18314
Ion Ratio Lower Upper
178 100
176 19.4 15.5 23.3
179 15.2 12.2 18.2



#26
Anthracene
Concen: 0.395 ng
RT: 17.285 min Scan# 1696
Delta R.T. 0.000 min
Lab File: BN038305.D
Acq: 10 Dec 2025 14:06

Tgt Ion:178 Resp: 16082
Ion Ratio Lower Upper
178 100
176 18.5 15.1 22.7
179 15.8 12.0 18.0





#27

Fluoranthene-d10

Concen: 0.392 ng

RT: 19.187 min Scan# 1939

Delta R.T. 0.000 min

Lab File: BN038305.D

Acq: 10 Dec 2025 14:06

Instrument :

BNA_N

ClientSampleId :

ICVBN121025

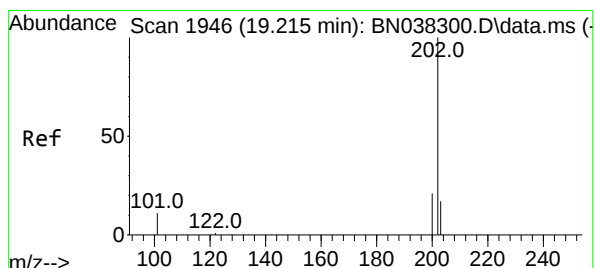
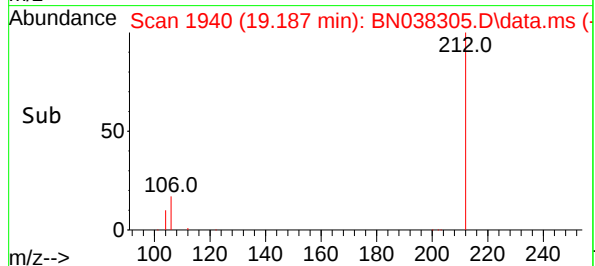
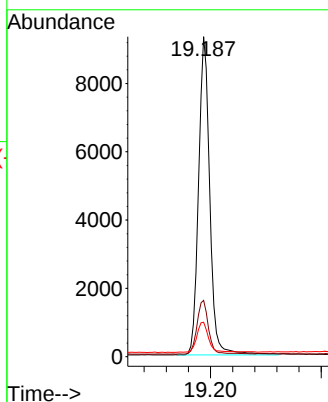
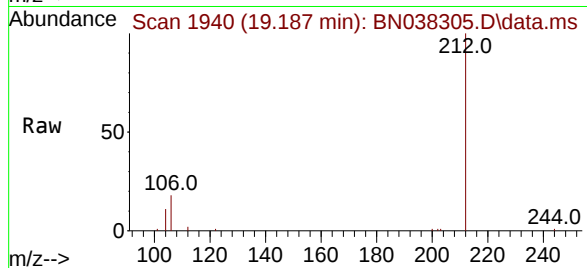
Tgt Ion:212 Resp: 13145

Ion Ratio Lower Upper

212 100

106 17.4 13.7 20.5

104 10.0 7.8 11.8



#28

Fluoranthene

Concen: 0.375 ng

RT: 19.220 min Scan# 1947

Delta R.T. 0.000 min

Lab File: BN038305.D

Acq: 10 Dec 2025 14:06

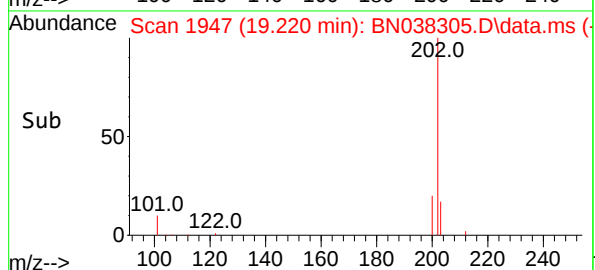
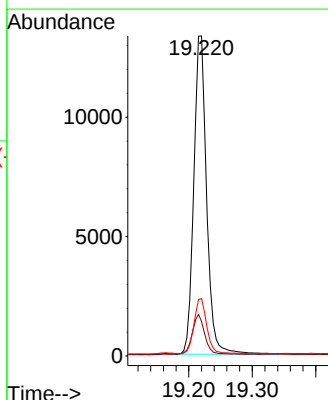
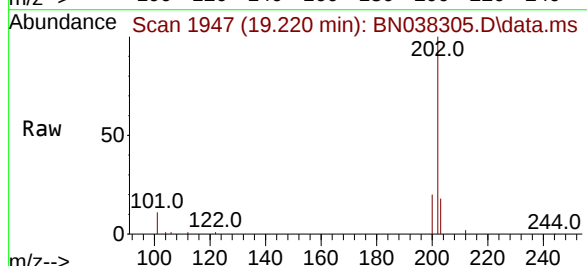
Tgt Ion:202 Resp: 18786

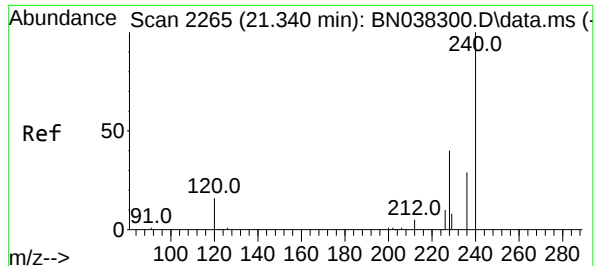
Ion Ratio Lower Upper

202 100

101 12.0 9.6 14.4

203 17.0 13.5 20.3





#29

Chrysene-d12

Concen: 0.400 ng

RT: 21.340 min Scan# 21

Delta R.T. 0.000 min

Lab File: BN038305.D

Acq: 10 Dec 2025 14:06

Instrument :

BNA_N

ClientSampleId :

ICVBN121025

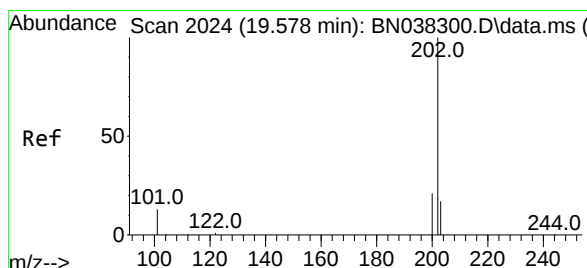
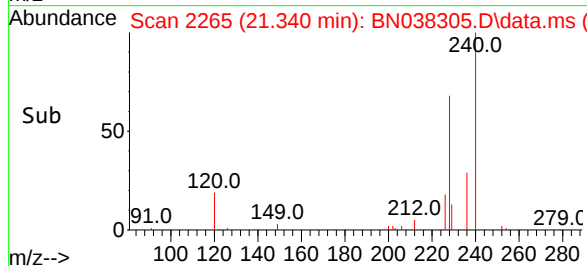
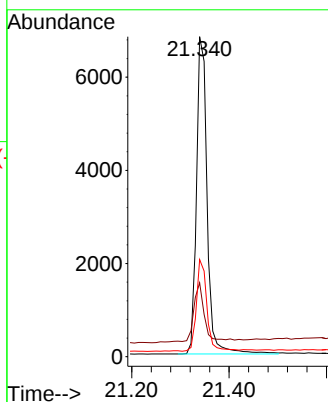
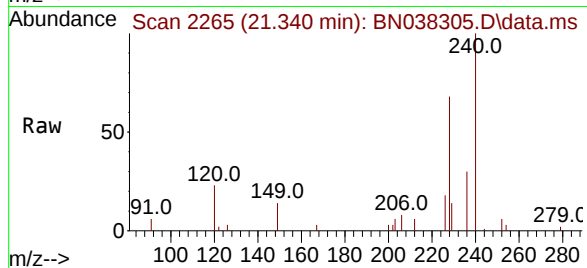
Tgt Ion:240 Resp: 10339

Ion Ratio Lower Upper

240 100

120 23.1 15.4 23.2

236 30.4 23.9 35.9



#30

Pyrene

Concen: 0.384 ng

RT: 19.582 min Scan# 2025

Delta R.T. 0.000 min

Lab File: BN038305.D

Acq: 10 Dec 2025 14:06

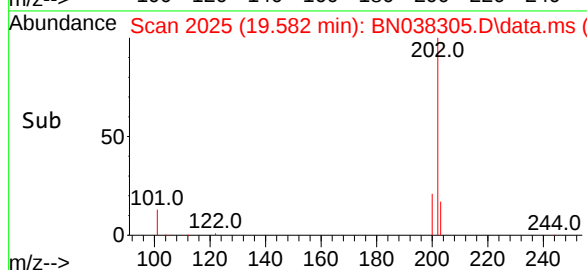
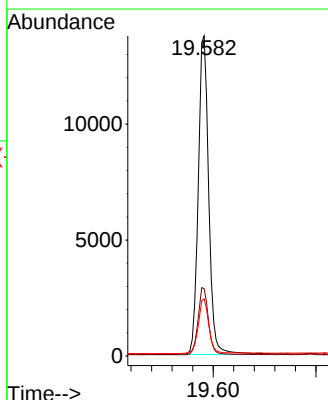
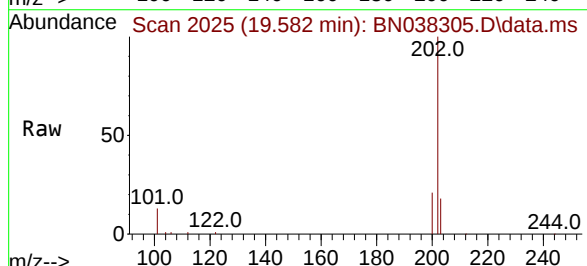
Tgt Ion:202 Resp: 19552

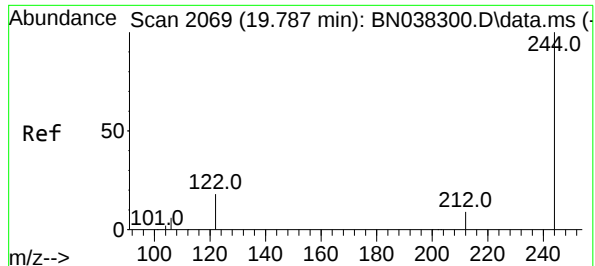
Ion Ratio Lower Upper

202 100

200 21.0 16.9 25.3

203 17.5 14.2 21.2

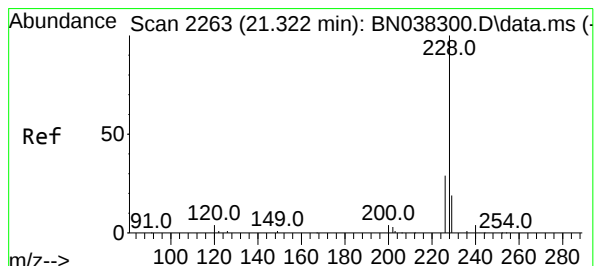
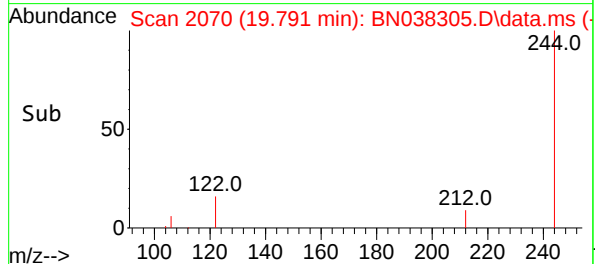
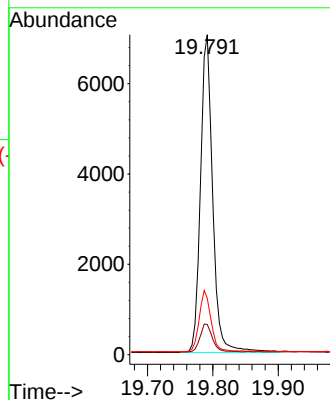
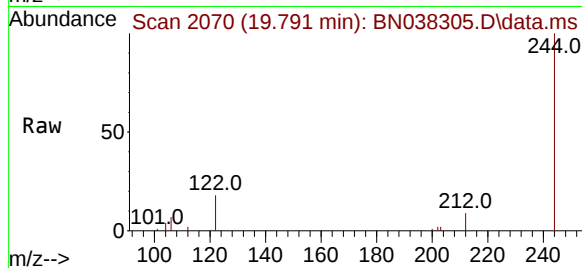




#31
Terphenyl-d14
Concen: 0.395 ng
RT: 19.791 min Scan# 2069
Delta R.T. 0.000 min
Lab File: BN038305.D
Acq: 10 Dec 2025 14:06

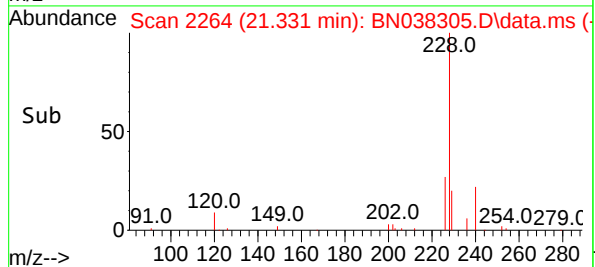
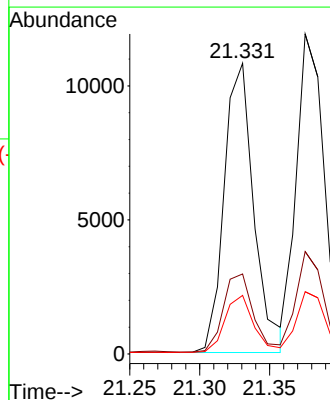
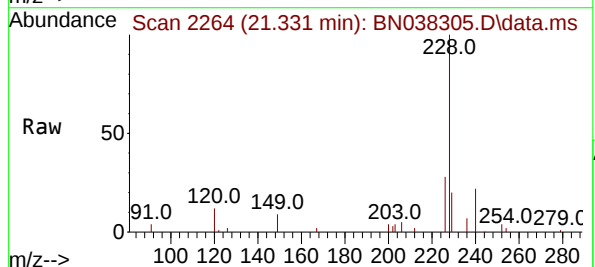
Instrument :
BNA_N
ClientSampleId :
ICVBN121025

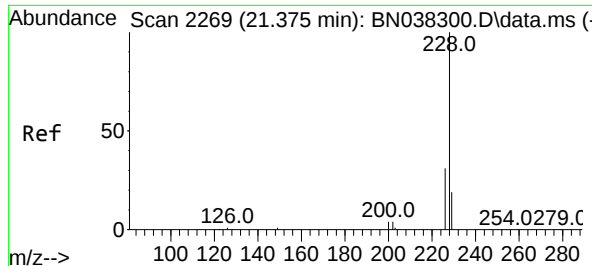
Tgt Ion	244	Ratio	100	Lower	Upper
244	100				
212	9.4		7.9	11.9	
122	17.7		15.0	22.6	



#32
Benzo(a)anthracene
Concen: 0.400 ng
RT: 21.331 min Scan# 2264
Delta R.T. 0.000 min
Lab File: BN038305.D
Acq: 10 Dec 2025 14:06

Tgt Ion	228	Ratio	100	Lower	Upper
228	100				
226	27.5		23.3	34.9	
229	20.2		15.7	23.5	





#33

Chrysene

Concen: 0.397 ng

RT: 21.375 min Scan# 21

Delta R.T. 0.000 min

Lab File: BN038305.D

Acq: 10 Dec 2025 14:06

Instrument :

BNA_N

ClientSampleId :

ICVBN121025

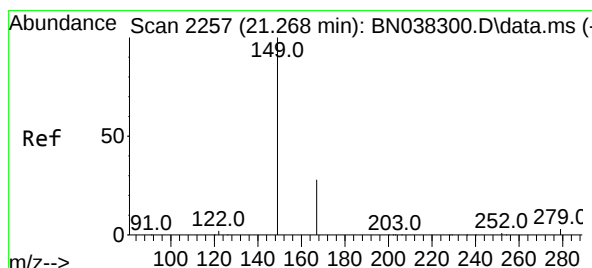
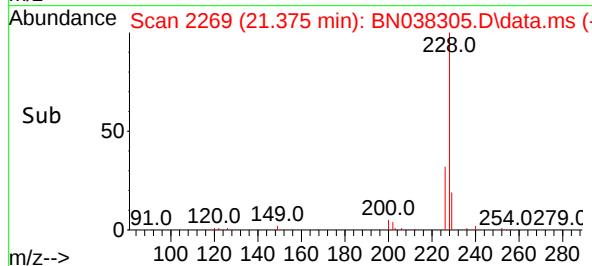
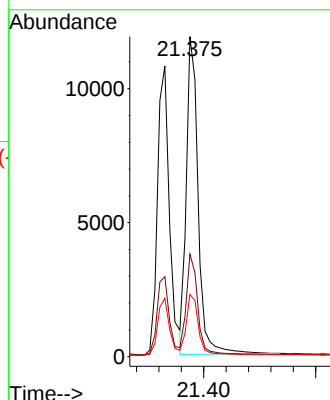
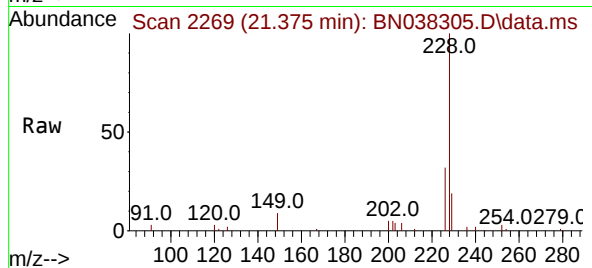
Tgt Ion:228 Resp: 17443

Ion Ratio Lower Upper

228 100

226 32.0 25.0 37.4

229 19.4 15.5 23.3



#34

Bis(2-ethylhexyl)phthalate

Concen: 0.371 ng

RT: 21.268 min Scan# 2257

Delta R.T. 0.000 min

Lab File: BN038305.D

Acq: 10 Dec 2025 14:06

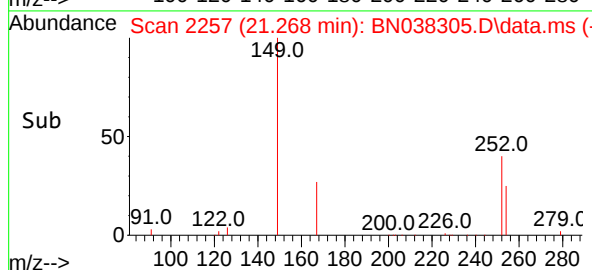
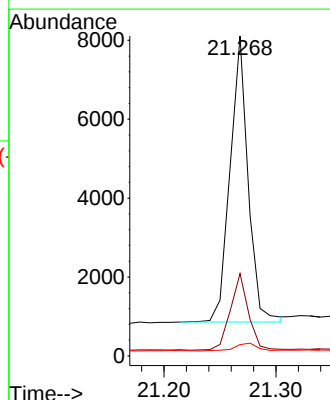
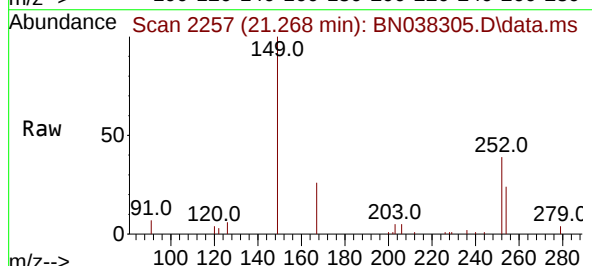
Tgt Ion:149 Resp: 8119

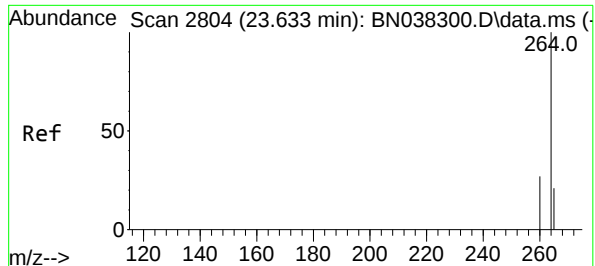
Ion Ratio Lower Upper

149 100

167 26.9 21.4 32.0

279 3.5 2.4 3.6





#35

Perylene-d12

Concen: 0.400 ng

RT: 23.636 min Scan# 21

Delta R.T. 0.003 min

Lab File: BN038305.D

Acq: 10 Dec 2025 14:06

Instrument :

BNA_N

ClientSampleId :

ICVBN121025

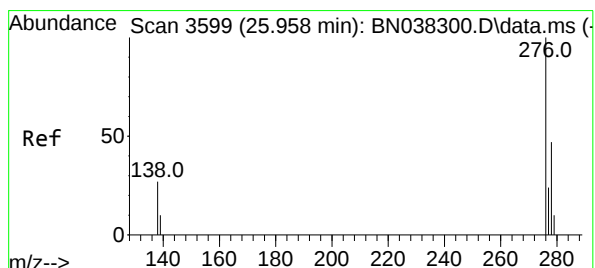
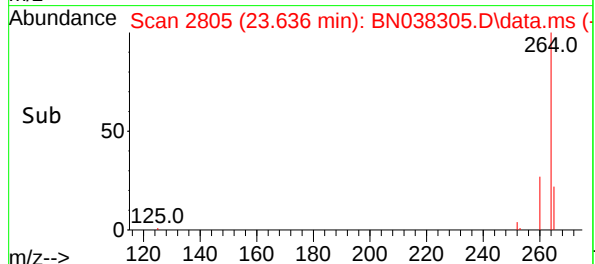
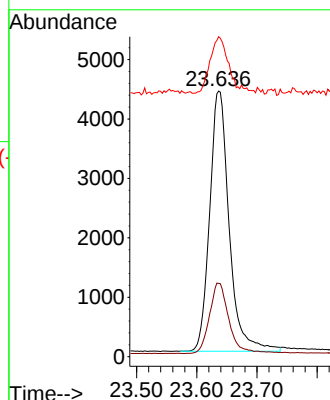
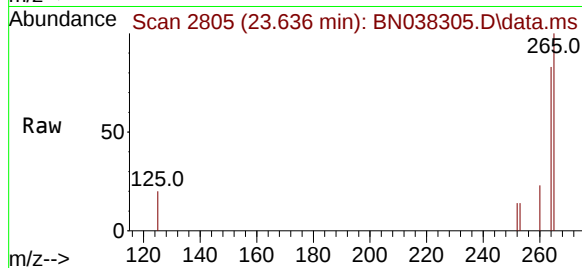
Tgt Ion:264 Resp: 9862

Ion Ratio Lower Upper

264 100

260 27.6 22.2 33.2

265 120.5 80.2 120.2#



#36

Indeno(1,2,3-cd)pyrene

Concen: 0.369 ng

RT: 25.966 min Scan# 3602

Delta R.T. 0.003 min

Lab File: BN038305.D

Acq: 10 Dec 2025 14:06

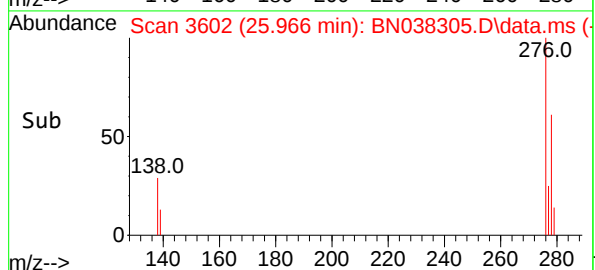
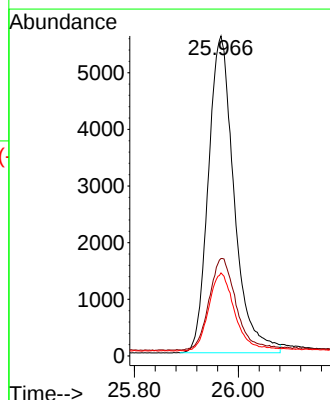
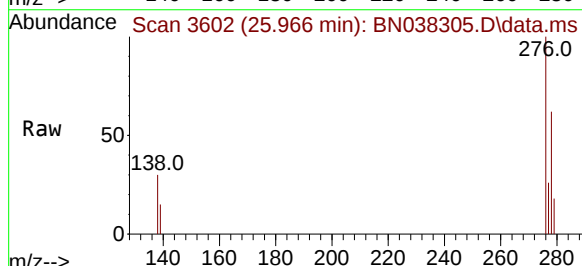
Tgt Ion:276 Resp: 19287

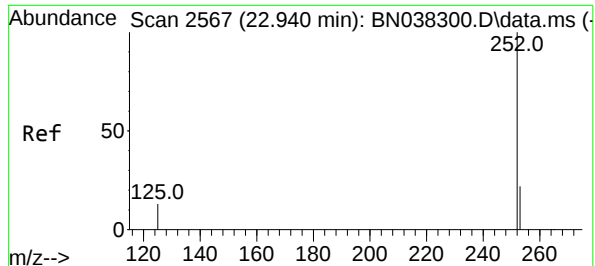
Ion Ratio Lower Upper

276 100

138 30.3 23.6 35.4

277 25.1 19.7 29.5





#37

Benzo(b)fluoranthene

Concen: 0.389 ng

RT: 22.943 min Scan# 2567

Delta R.T. -0.003 min

Lab File: BN038305.D

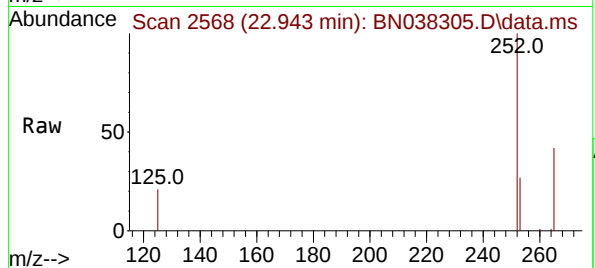
Acq: 10 Dec 2025 14:06

Instrument :

BNA_N

ClientSampleId :

ICVBN121025



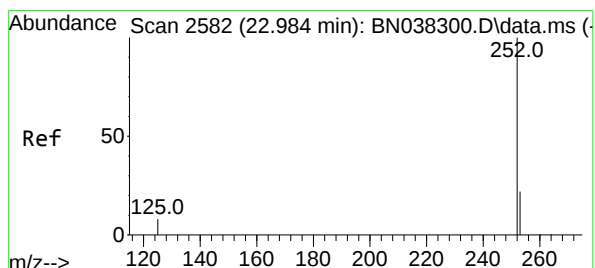
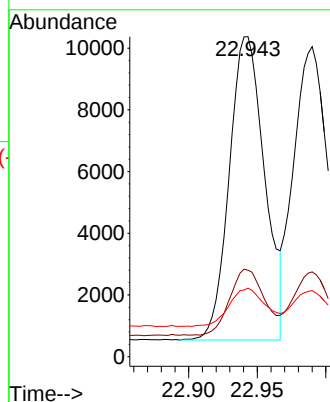
Tgt Ion:252 Resp: 17623

Ion Ratio Lower Upper

252 100

253 27.0 21.1 31.7

125 21.4 16.4 24.6



#38

Benzo(k)fluoranthene

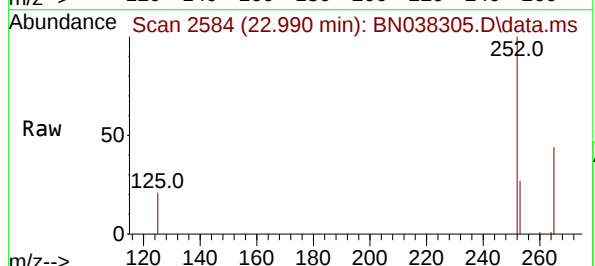
Concen: 0.392 ng

RT: 22.990 min Scan# 2584

Delta R.T. 0.000 min

Lab File: BN038305.D

Acq: 10 Dec 2025 14:06



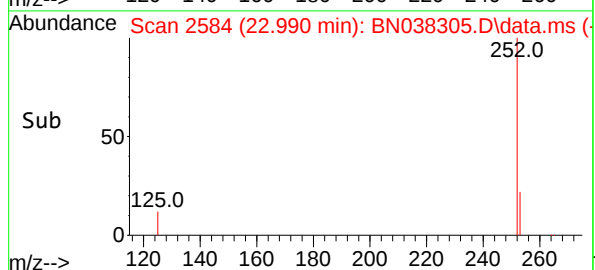
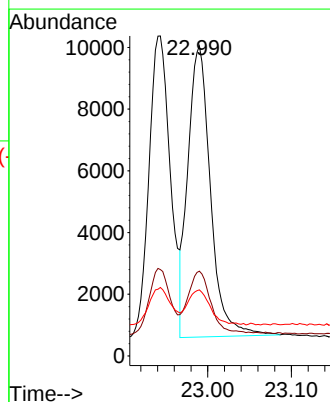
Tgt Ion:252 Resp: 17707

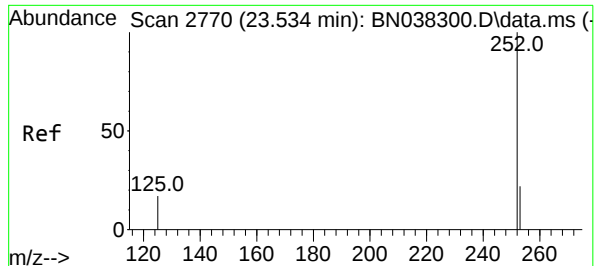
Ion Ratio Lower Upper

252 100

253 27.4 21.4 32.0

125 21.3 16.2 24.2





#39

Benzo(a)pyrene

Concen: 0.406 ng

RT: 23.534 min Scan# 21

Delta R.T. 0.000 min

Lab File: BN038305.D

Acq: 10 Dec 2025 14:06

Instrument :

BNA_N

ClientSampleId :

ICVBN121025

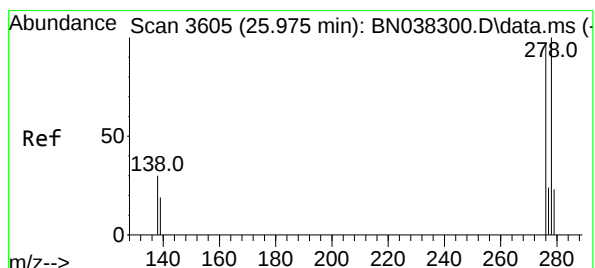
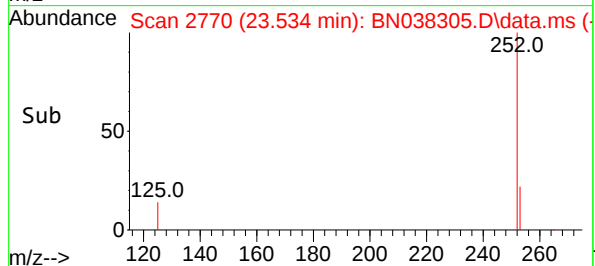
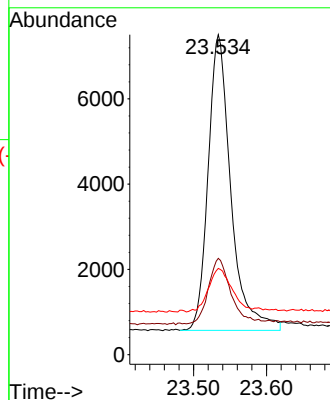
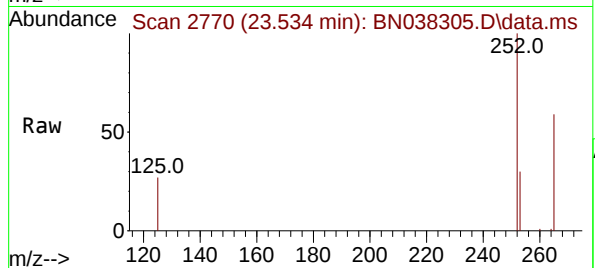
Tgt Ion:252 Resp: 15048

Ion Ratio Lower Upper

252 100

253 30.1 23.3 34.9

125 27.0 22.4 33.6



#40

Dibenzo(a,h)anthracene

Concen: 0.387 ng

RT: 25.987 min Scan# 3609

Delta R.T. 0.006 min

Lab File: BN038305.D

Acq: 10 Dec 2025 14:06

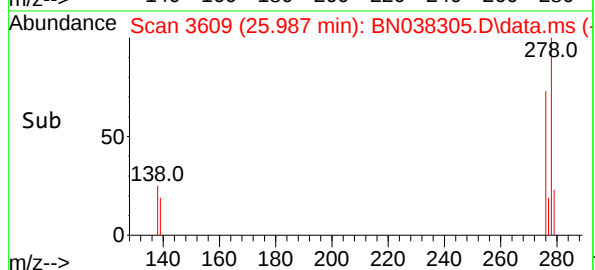
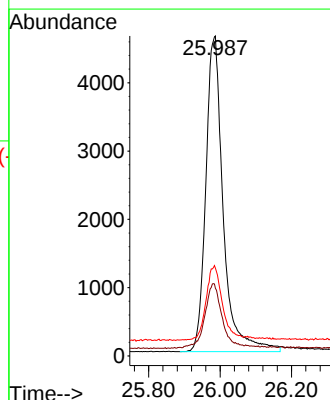
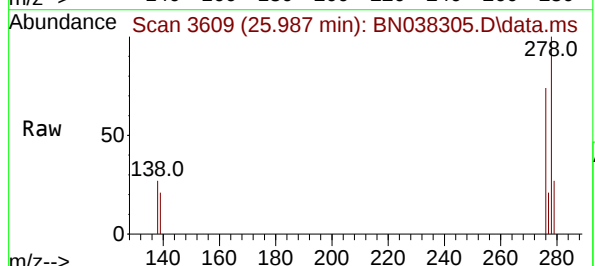
Tgt Ion:278 Resp: 15615

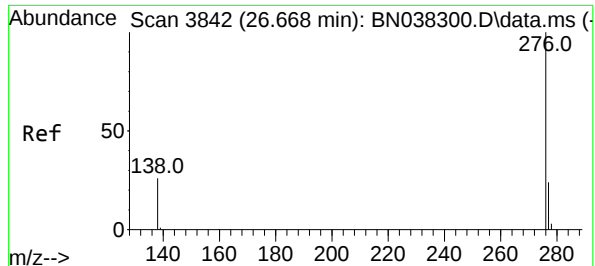
Ion Ratio Lower Upper

278 100

139 21.2 17.8 26.8

279 27.4 21.3 31.9





#41

Benzo(g,h,i)perylene

Concen: 0.377 ng

RT: 26.671 min Scan# 3843

Delta R.T. -0.006 min

Lab File: BN038305.D

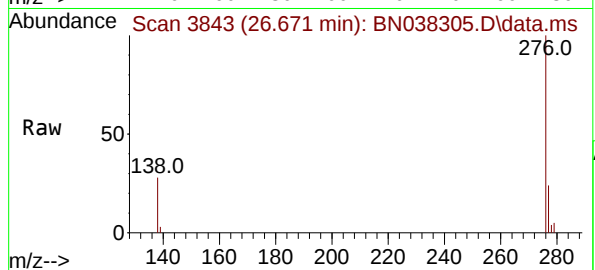
Acq: 10 Dec 2025 14:06

Instrument :

BNA_N

ClientSampleId :

ICVBN121025



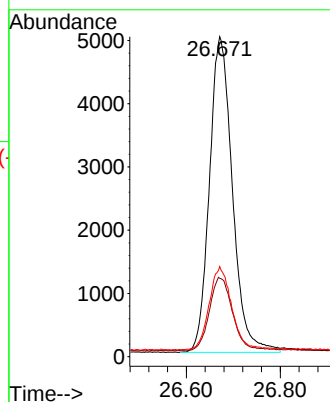
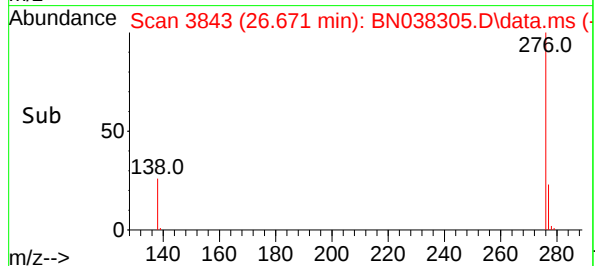
Tgt Ion:276 Resp: 16981

Ion Ratio Lower Upper

276 100

277 24.5 20.0 30.0

138 28.2 21.8 32.6



Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN121025\
 Data File : BN038305.D
 Acq On : 10 Dec 2025 14:06
 Operator : RC/JU
 Sample : SSTDICV0.4
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 ICVBN121025

Quant Time: Dec 10 14:34:41 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN121025.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Dec 10 13:56:50 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	88	0.00
2	1,4-Dioxane	0.459	0.507	-10.5	96	0.00
3	n-Nitrosodimethylamine	0.575	0.586	-1.9	90	0.00
4 S	2-Fluorophenol	0.996	0.941	5.5	84	0.00
5 S	Phenol-d6	1.184	1.070	9.6	82	0.00
6	bis(2-Chloroethyl)ether	1.158	1.197	-3.4	91	0.00
7 I	Naphthalene-d8	1.000	1.000	0.0	90	0.00
8 S	Nitrobenzene-d5	0.337	0.327	3.0	89	0.00
9	Naphthalene	1.182	1.168	1.2	90	0.00
10	Hexachlorobutadiene	0.210	0.214	-1.9	92	0.00
11 SURR	2-Methylnaphthalene-d10	0.564	0.559	0.9	91	0.00
12	2-Methylnaphthalene	0.751	0.688	8.4	85	0.00
13 I	Acenaphthene-d10	1.000	1.000	0.0	91	0.00
14 S	2,4,6-Tribromophenol	0.177	0.149	15.8	81	0.00
15 S	2-Fluorobiphenyl	1.927	1.798	6.7	83	0.00
16	Acenaphthylene	1.964	2.136	-8.8	102	0.00
17	Acenaphthene	1.369	1.358	0.8	92	0.00
18	Fluorene	1.761	1.719	2.4	91	0.00
19 I	Phenanthrene-d10	1.000	1.000	0.0	91	0.00
20	4,6-Dinitro-2-methylphenol	0.066	0.054	18.2	87	0.00
21	4-Bromophenyl-phenylether	0.297	0.284	4.4	90	0.00
22	Hexachlorobenzene	0.357	0.352	1.4	92	0.00
23	Atrazine	0.202	0.190	5.9	91	0.00
24	Pentachlorophenol	0.139	0.103	25.9#	78	0.00
25	Phenanthrene	1.392	1.351	2.9	91	0.00
26	Anthracene	1.200	1.186	1.2	95	0.00
27 SURR	Fluoranthene-d10	0.989	0.970	1.9	90	0.00
28	Fluoranthene	1.480	1.386	6.4	87	0.00
29 I	Chrysene-d12	1.000	1.000	0.0	90	0.00
30	Pyrene	1.969	1.891	4.0	88	0.00
31 S	Terphenyl-d14	0.893	0.881	1.3	90	0.00
32	Benzo(a)anthracene	1.545	1.544	0.1	94	0.00
33	Chrysene	1.701	1.687	0.8	88	0.00
34	Bis(2-ethylhexyl)phthalate	0.848	0.785	7.4	83	0.00
35 I	Perylene-d12	1.000	1.000	0.0	86	0.00
36	Indeno(1,2,3-cd)pyrene	2.123	1.956	7.9	79	0.00
37	Benzo(b)fluoranthene	1.837	1.787	2.7	86	0.00
38	Benzo(k)fluoranthene	1.832	1.795	2.0	86	0.00
39 C	Benzo(a)pyrene	1.503	1.526	-1.5	89	0.00
40	Dibenzo(a,h)anthracene	1.637	1.583	3.3	84	0.00
41	Benzo(g,h,i)perylene	1.829	1.722	5.9	81	0.00

(#) = Out of Range

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

Instrument :

BNA_N

ClientSampleId :

ICVBN121025



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

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: Alliance Contract: JAC005
 Lab Code: ACE SDG No.: Q3813
 Instrument ID: BNA_N Calibration Date/Time: 12/12/2025 09:24
 Lab File ID: BN038343.D Init. Calib. Date(s): 12/10/2025 12/10/2025
 EPA Sample No.: SSTDCCC0.4 Init. Calib. Time(s): 09:52 13:30
 GC Column: ZB-GR ID: 0.25 (mm)

COMPOUND	RRF	RRF0.4	MIN RRF	%D	MAX%D
2-Methylnaphthalene-d10	0.564	0.557		-1.2	20.0
Fluoranthene-d10	0.990	1.007		1.7	20.0
2-Fluorophenol	0.996	0.966		-3.0	20.0
Phenol-d6	1.184	1.162		-1.9	20.0
Nitrobenzene-d5	0.337	0.317		-5.9	20.0
2-Fluorobiphenyl	1.914	1.930		0.8	20.0
2,4,6-Tribromophenol	0.177	0.159		-10.2	20.0
Terphenyl-d14	0.893	0.853		-4.5	20.0
1,4-Dioxane	0.459	0.488		6.3	20.0

All other compounds must meet a minimum RRF of 0.010.

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN121225\
 Data File : BN038343.D
 Acq On : 12 Dec 2025 09:24
 Operator : RC/JU
 Sample : SSTDCCC0.4
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 SSTDCCC0.4

Quant Time: Dec 12 09:59:58 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN121025.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Dec 10 13:56:50 2025
 Response via : Initial Calibration

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

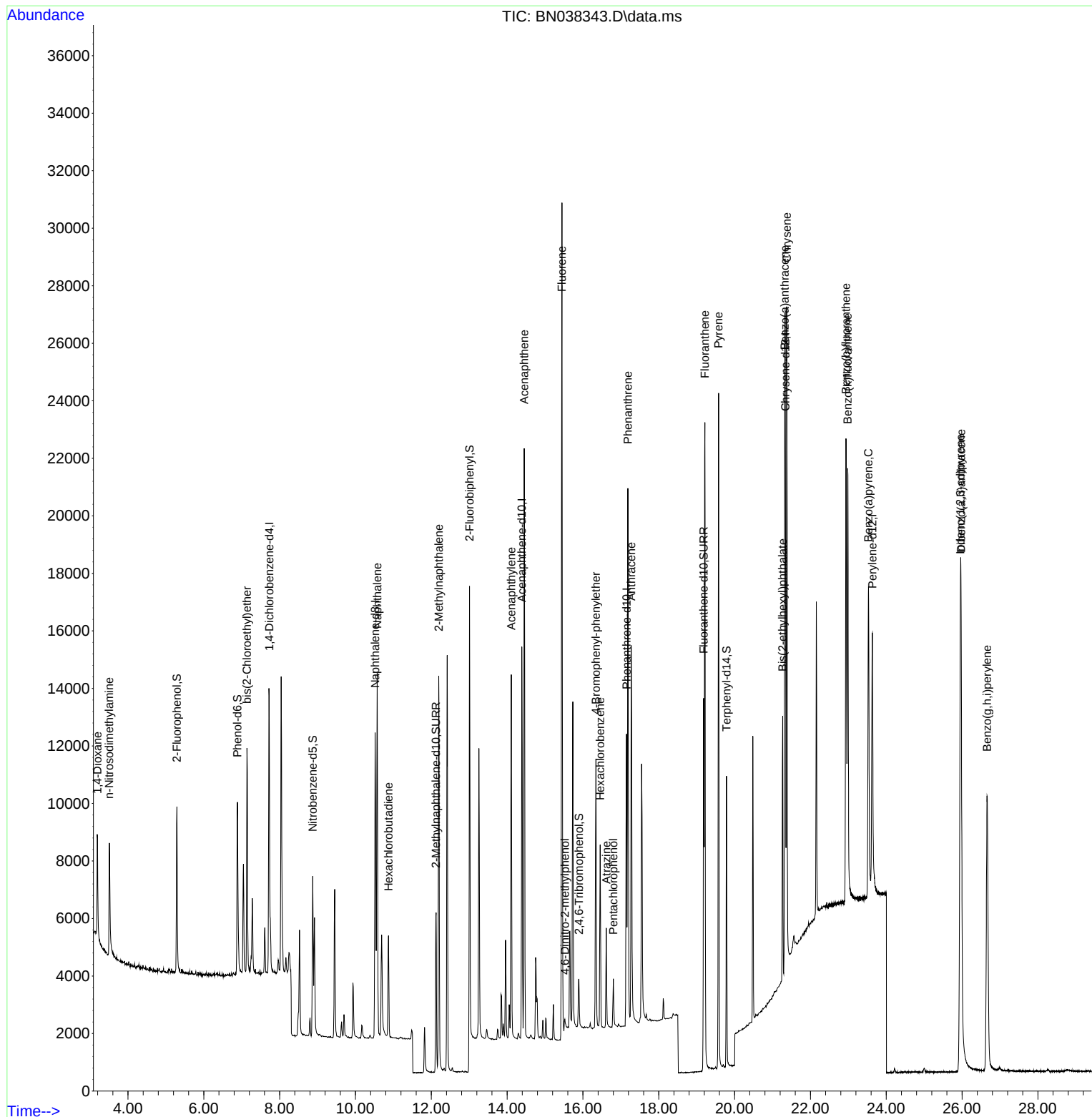
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.724	152	5196	0.400	ng	0.00
7) Naphthalene-d8	10.519	136	14288	0.400	ng	#-0.01
13) Acenaphthene-d10	14.387	164	7596	0.400	ng	-0.01
19) Phenanthrene-d10	17.148	188	14177	0.400	ng	0.00
29) Chrysene-d12	21.339	240	11670	0.400	ng	0.00
35) Perylene-d12	23.633	264	12444	0.400	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.290	112	5018	0.388	ng	0.00
5) Phenol-d6	6.886	99	6038	0.392	ng	0.00
8) Nitrobenzene-d5	8.875	82	4529	0.376	ng	0.00
11) 2-Methylnaphthalene-d10	12.126	152	7953	0.395	ng	0.00
14) 2,4,6-Tribromophenol	15.895	330	1211	0.359	ng	0.00
15) 2-Fluorobiphenyl	13.008	172	14661	0.401	ng	0.00
27) Fluoranthene-d10	19.183	212	14274	0.407	ng	0.00
31) Terphenyl-d14	19.787	244	9959	0.382	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.196	88	2538	0.426	ng	98
3) n-Nitrosodimethylamine	3.507	42	2757	0.369	ng	# 94
6) bis(2-Chloroethyl)ether	7.139	93	6110	0.406	ng	100
9) Naphthalene	10.573	128	16530	0.391	ng	100
10) Hexachlorobutadiene	10.872	225	2924	0.389	ng	# 100
12) 2-Methylnaphthalene	12.197	142	10559	0.394	ng	100
16) Acenaphthylene	14.110	152	14114	0.378	ng	99
17) Acenaphthene	14.452	154	9849	0.379	ng	97
18) Fluorene	15.446	166	12900	0.386	ng	100
20) 4,6-Dinitro-2-methylph...	15.522	198	182	0.078	ng	# 1
21) 4-Bromophenyl-phenylether	16.342	248	4006	0.381	ng	99
22) Hexachlorobenzene	16.453	284	4990	0.395	ng	98
23) Atrazine	16.615	200	2706	0.377	ng	98
24) Pentachlorophenol	16.801	266	912	0.185	ng	99
25) Phenanthrene	17.186	178	19077	0.387	ng	100
26) Anthracene	17.273	178	16452	0.387	ng	99
28) Fluoranthene	19.215	202	21105	0.402	ng	100
30) Pyrene	19.578	202	21243	0.370	ng	100
32) Benzo(a)anthracene	21.322	228	17188	0.381	ng	99
33) Chrysene	21.375	228	19898	0.401	ng	100
34) Bis(2-ethylhexyl)phtha...	21.268	149	8597	0.348	ng	100
36) Indeno(1,2,3-cd)pyrene	25.955	276	23803	0.360	ng	98
37) Benzo(b)fluoranthene	22.937	252	20494	0.359	ng	98
38) Benzo(k)fluoranthene	22.984	252	20086	0.352	ng	100
39) Benzo(a)pyrene	23.531	252	16745	0.358	ng	97
40) Dibenzo(a,h)anthracene	25.972	278	18552	0.364	ng	99
41) Benzo(g,h,i)perylene	26.659	276	20585	0.362	ng	100

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

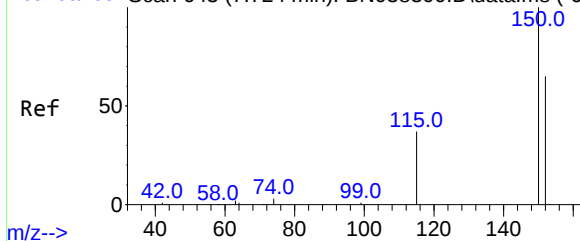
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN121225\
Data File : BN038343.D
Acq On : 12 Dec 2025 09:24
Operator : RC/JU
Sample : SSTDCCC0.4
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Quant Time: Dec 12 09:59:58 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN121025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Dec 10 13:56:50 2025
Response via : Initial Calibration



Abundance Scan 643 (7.724 min): BN038300.D\data.ms (-63)



#1

1,4-Dichlorobenzene-d4

Concen: 0.400 ng

RT: 7.724 min Scan# 64

Delta R.T. 0.000 min

Lab File: BN038343.D

Acq: 12 Dec 2025 09:24

Instrument :

BNA_N

ClientSampleId :

SSTDCCC0.4

Tgt Ion:152 Resp: 5196

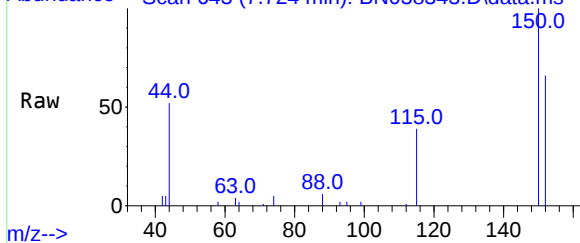
Ion Ratio Lower Upper

152 100

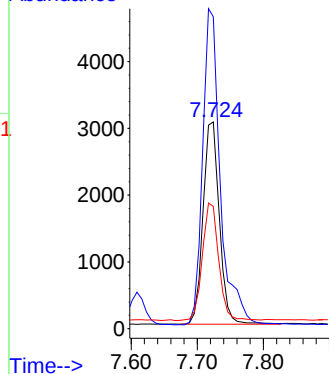
150 150.9 122.4 183.6

115 59.1 47.3 70.9

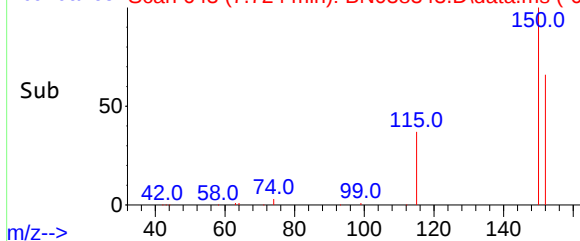
Abundance Scan 643 (7.724 min): BN038343.D\data.ms



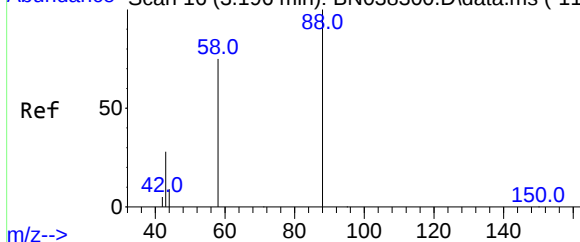
Abundance



Abundance Scan 643 (7.724 min): BN038343.D\data.ms (-61)



Abundance Scan 16 (3.196 min): BN038300.D\data.ms (-11)



#2

1,4-Dioxane

Concen: 0.426 ng

RT: 3.196 min Scan# 16

Delta R.T. -0.000 min

Lab File: BN038343.D

Acq: 12 Dec 2025 09:24

Tgt Ion: 88 Resp: 2538

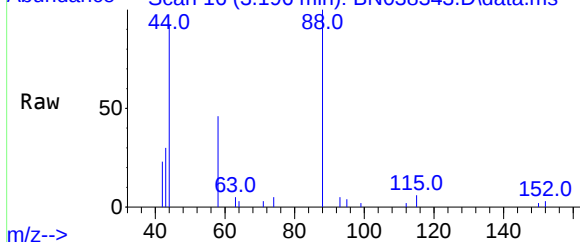
Ion Ratio Lower Upper

88 100

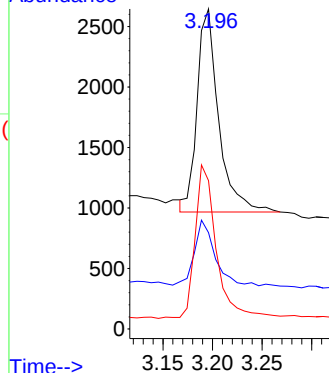
43 31.6 24.9 37.3

58 74.9 61.4 92.0

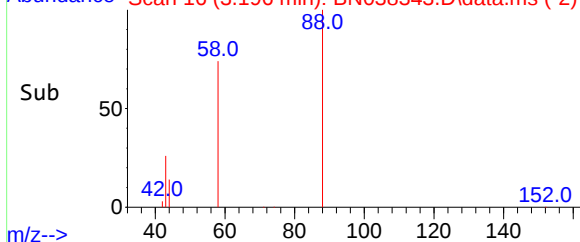
Abundance Scan 16 (3.196 min): BN038343.D\data.ms



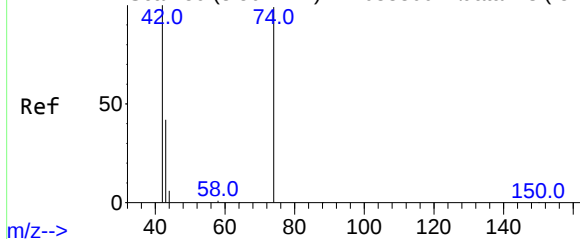
Abundance



Abundance Scan 16 (3.196 min): BN038343.D\data.ms (-2)



Abundance Scan 59 (3.507 min): BN038300.D\data.ms (-52)



#3

n-Nitrosodimethylamine

Concen: 0.369 ng

RT: 3.507 min Scan# 59

Delta R.T. 0.007 min

Lab File: BN038343.D

Acq: 12 Dec 2025 09:24

Instrument :

BNA_N

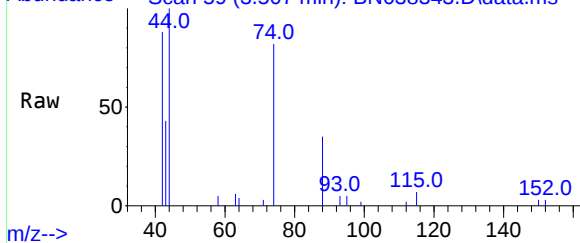
ClientSampleId :

SSTDCCC0.4

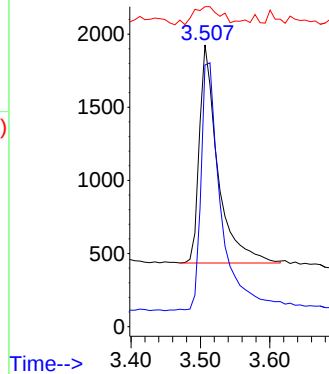
Tgt Ion: 42 Resp: 2757

Ion	Ratio	Lower	Upper
42	100		
74	125.6	95.3	142.9
44	12.9	7.9	11.9

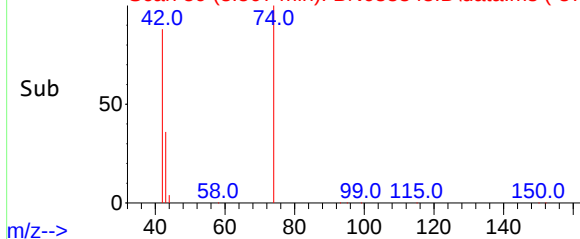
Abundance Scan 59 (3.507 min): BN038343.D\data.ms



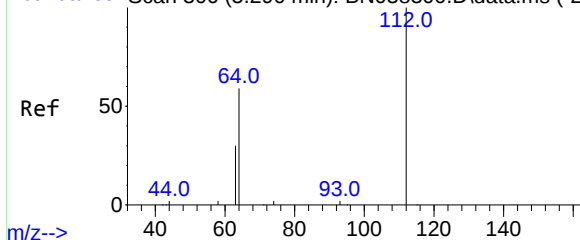
Abundance



Abundance Scan 59 (3.507 min): BN038343.D\data.ms (-37)



Abundance Scan 306 (5.290 min): BN038300.D\data.ms (-29)



#4

2-Fluorophenol

Concen: 0.388 ng

RT: 5.290 min Scan# 306

Delta R.T. -0.000 min

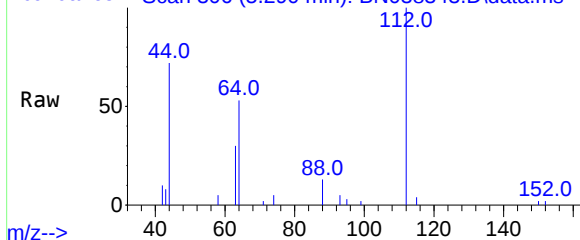
Lab File: BN038343.D

Acq: 12 Dec 2025 09:24

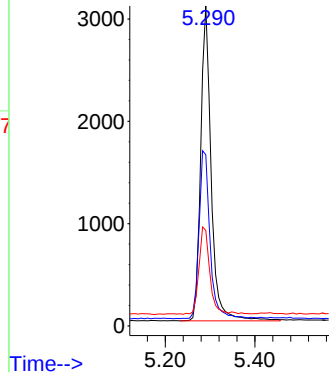
Tgt Ion: 112 Resp: 5018

Ion	Ratio	Lower	Upper
112	100		
64	56.0	44.4	66.6
63	28.1	23.4	35.0

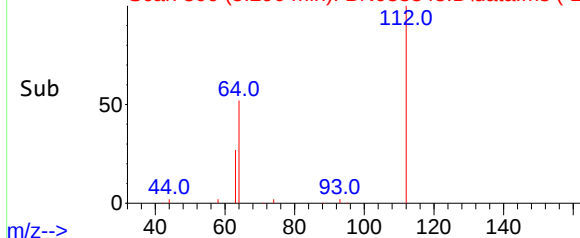
Abundance Scan 306 (5.290 min): BN038343.D\data.ms



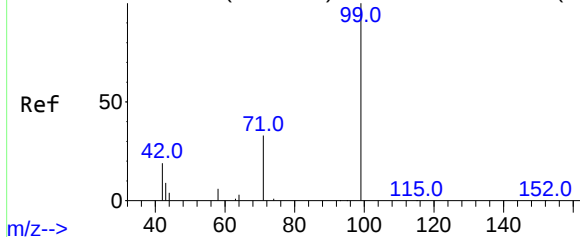
Abundance



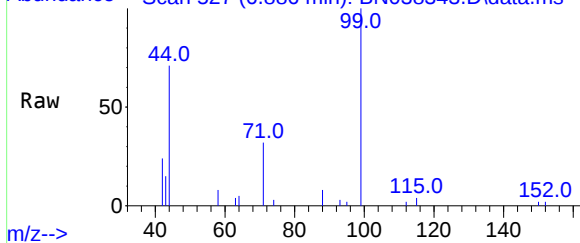
Abundance Scan 306 (5.290 min): BN038343.D\data.ms (-27)



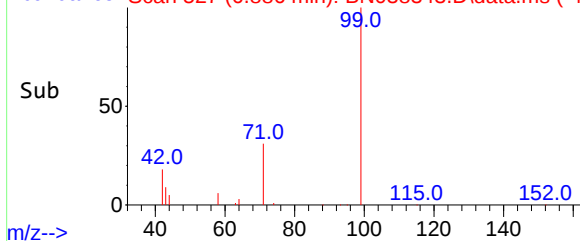
Abundance Scan 527 (6.887 min): BN038300.D\data.ms (-52



m/z--> Abundance Scan 527 (6.886 min): BN038343.D\data.ms



m/z--> Abundance Scan 527 (6.886 min): BN038343.D\data.ms (-49



#5

Phenol-d6

Concen: 0.392 ng

RT: 6.886 min Scan# 51

Delta R.T. -0.000 min

Lab File: BN038343.D

Acq: 12 Dec 2025 09:24

Instrument :

BNA_N

ClientSampleId :

SSTDCCC0.4

Tgt Ion: 99 Resp: 6038

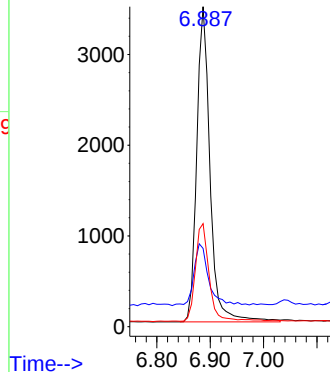
Ion Ratio Lower Upper

99 100

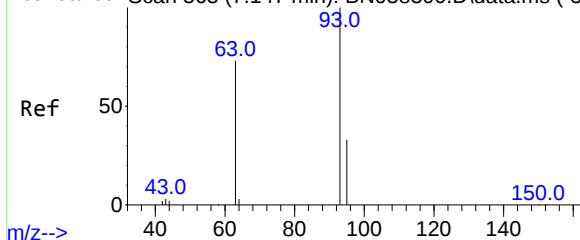
42 21.7 16.5 24.7

71 31.1 24.9 37.3

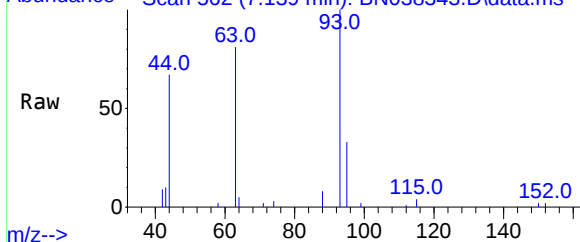
Abundance



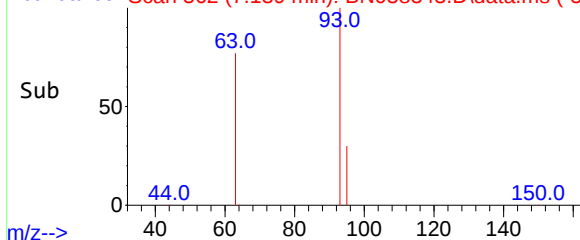
Abundance Scan 563 (7.147 min): BN038300.D\data.ms (-55



m/z--> Abundance Scan 562 (7.139 min): BN038343.D\data.ms



m/z--> Abundance Scan 562 (7.139 min): BN038343.D\data.ms (-52



#6

bis(2-Chloroethyl)ether

Concen: 0.406 ng

RT: 7.139 min Scan# 562

Delta R.T. -0.007 min

Lab File: BN038343.D

Acq: 12 Dec 2025 09:24

Tgt Ion: 93 Resp: 6110

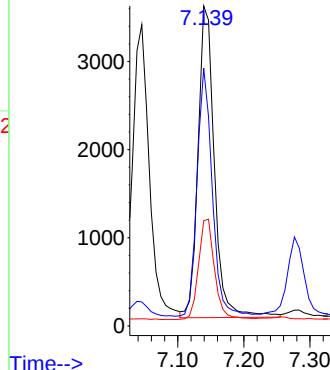
Ion Ratio Lower Upper

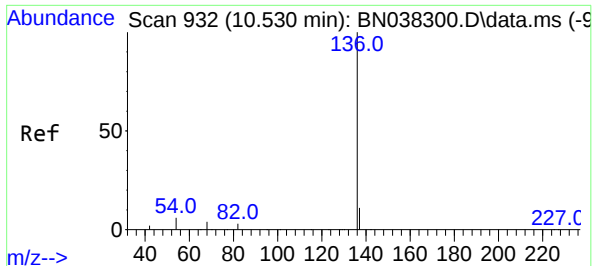
93 100

63 73.9 59.2 88.8

95 31.5 25.2 37.8

Abundance

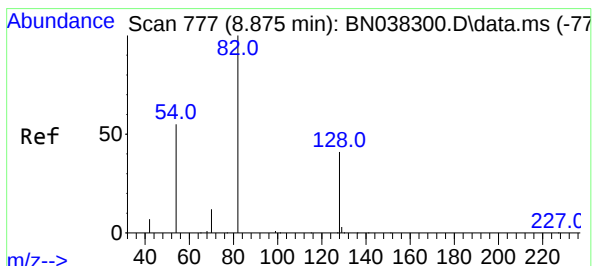
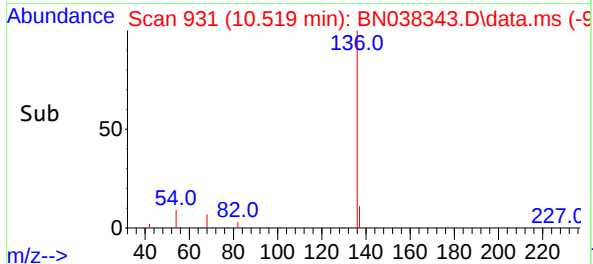
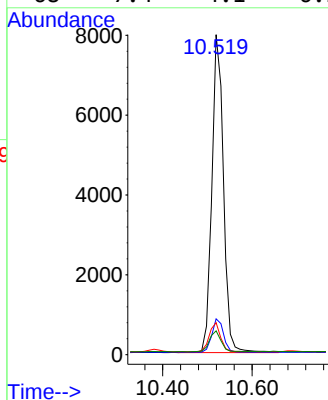
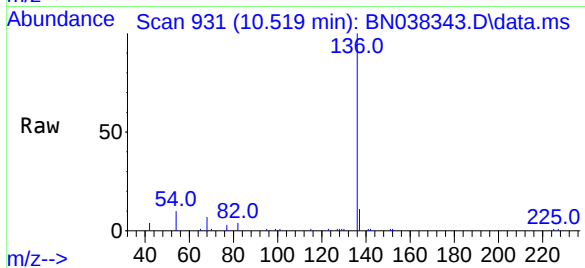




#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.519 min Scan# 911
Delta R.T. -0.011 min
Lab File: BN038343.D
Acq: 12 Dec 2025 09:24

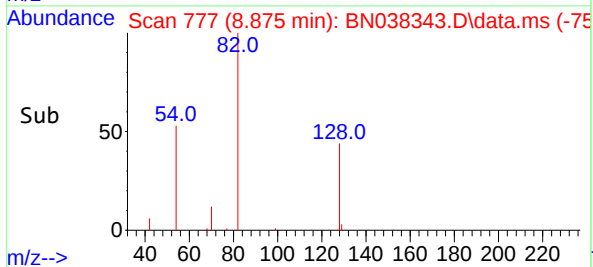
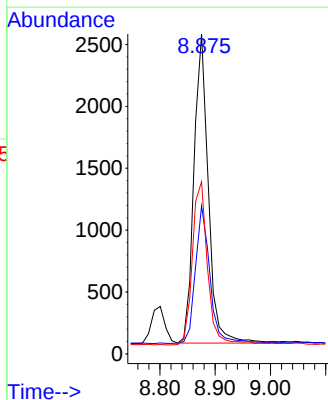
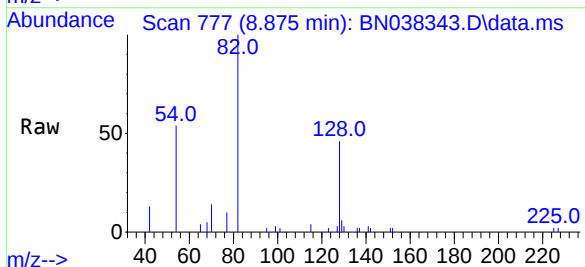
Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

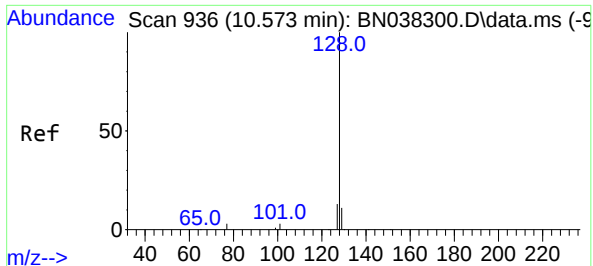
Tgt Ion:	136	Resp:	14288
Ion	Ratio	Lower	Upper
136	100		
137	11.2	9.1	13.7
54	10.0	5.2	7.8#
68	7.4	4.1	6.1#



#8
Nitrobenzene-d5
Concen: 0.376 ng
RT: 8.875 min Scan# 777
Delta R.T. -0.000 min
Lab File: BN038343.D
Acq: 12 Dec 2025 09:24

Tgt Ion:	82	Resp:	4529
Ion	Ratio	Lower	Upper
82	100		
128	46.3	34.0	51.0
54	53.8	44.4	66.6

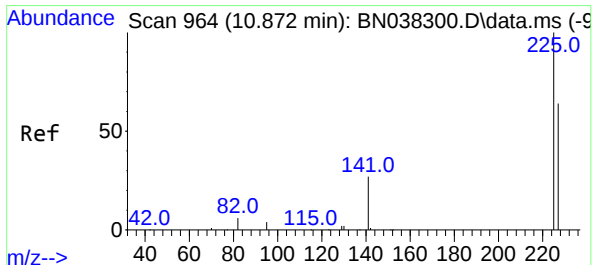
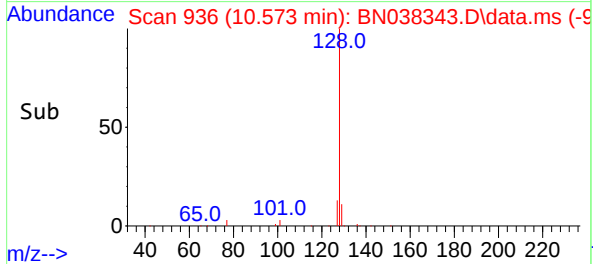
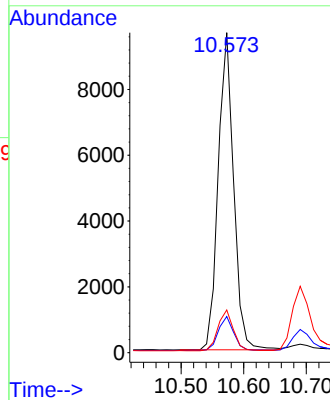
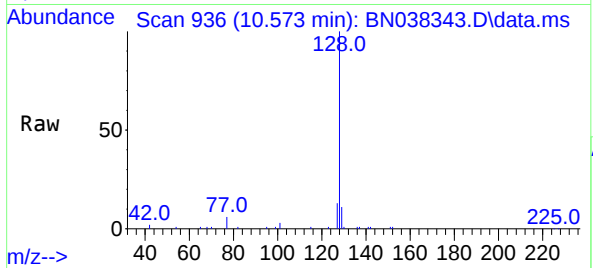




#9
Naphthalene
Concen: 0.391 ng
RT: 10.573 min Scan# 91
Delta R.T. -0.000 min
Lab File: BN038343.D
Acq: 12 Dec 2025 09:24

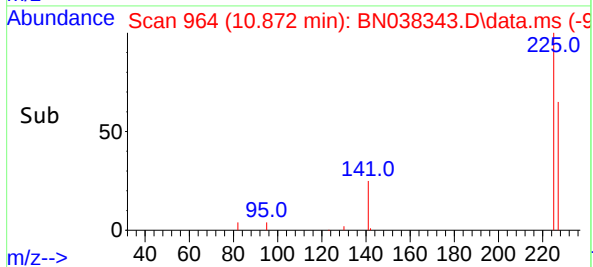
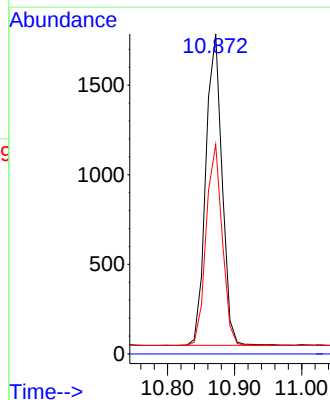
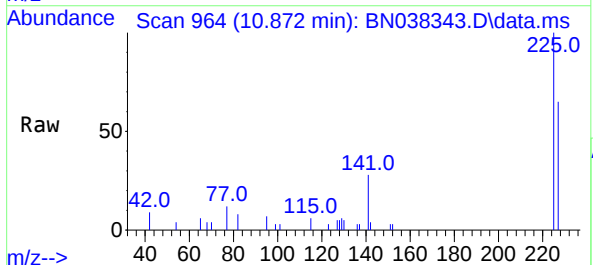
Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

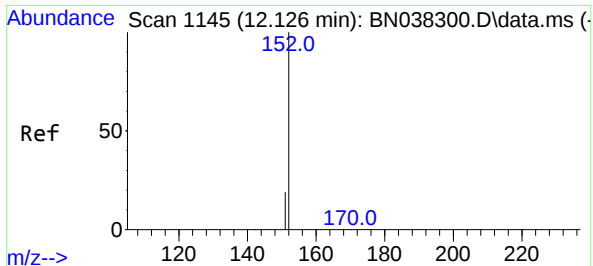
Tgt Ion:128 Resp: 16530
Ion Ratio Lower Upper
128 100
129 11.3 9.1 13.7
127 13.3 10.9 16.3



#10
Hexachlorobutadiene
Concen: 0.389 ng
RT: 10.872 min Scan# 964
Delta R.T. -0.000 min
Lab File: BN038343.D
Acq: 12 Dec 2025 09:24

Tgt Ion:225 Resp: 2924
Ion Ratio Lower Upper
225 100
223 0.0 0.0 0.0
227 64.1 51.2 76.8

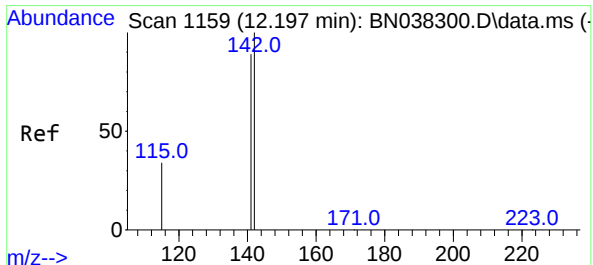
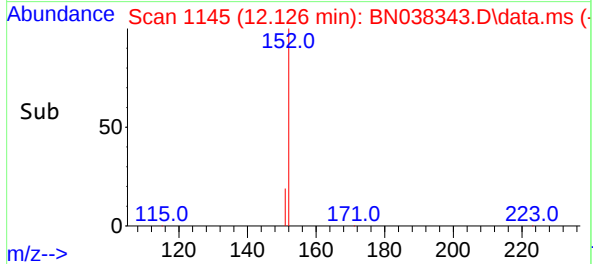
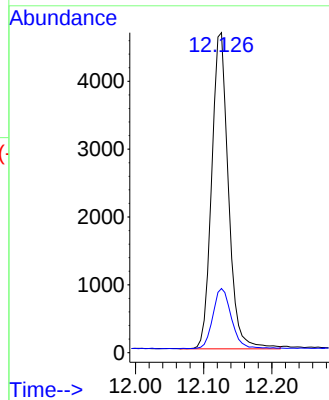
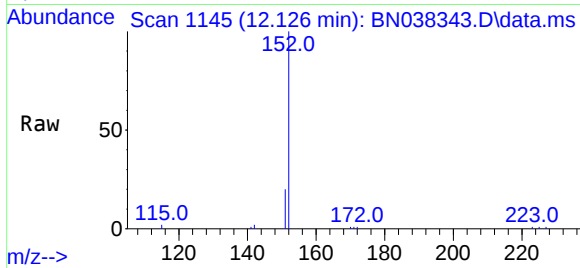




#11
2-Methylnaphthalene-d10
Concen: 0.395 ng
RT: 12.126 min Scan# 1145
Delta R.T. -0.000 min
Lab File: BN038343.D
Acq: 12 Dec 2025 09:24

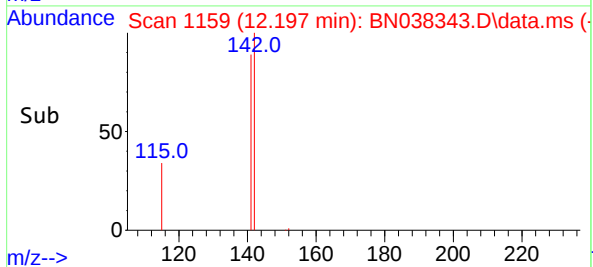
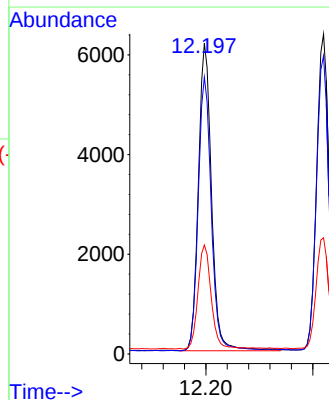
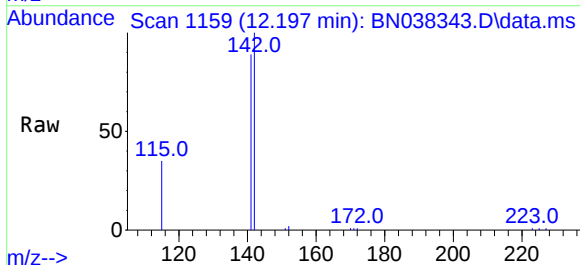
Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

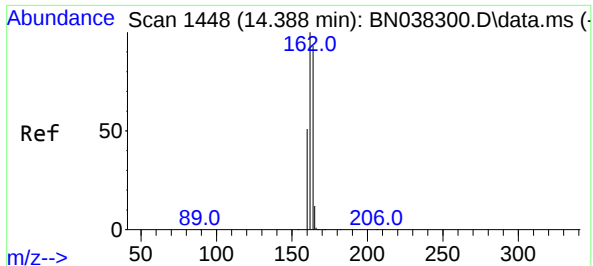
Tgt Ion:152 Resp: 7953
Ion Ratio Lower Upper
152 100
151 21.0 17.0 25.6



#12
2-Methylnaphthalene
Concen: 0.394 ng
RT: 12.197 min Scan# 1159
Delta R.T. -0.005 min
Lab File: BN038343.D
Acq: 12 Dec 2025 09:24

Tgt Ion:142 Resp: 10559
Ion Ratio Lower Upper
142 100
141 89.1 71.4 107.2
115 35.1 28.4 42.6

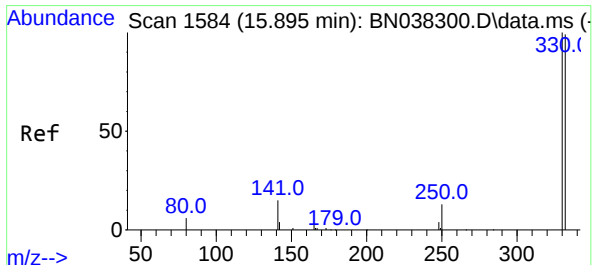
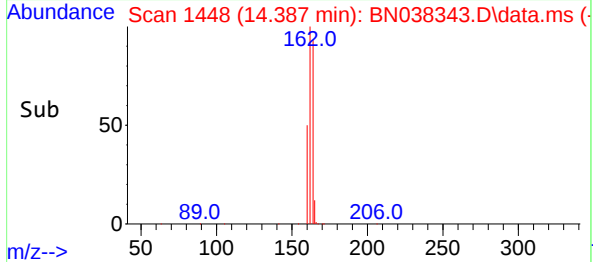
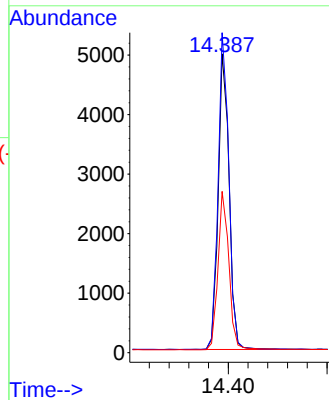
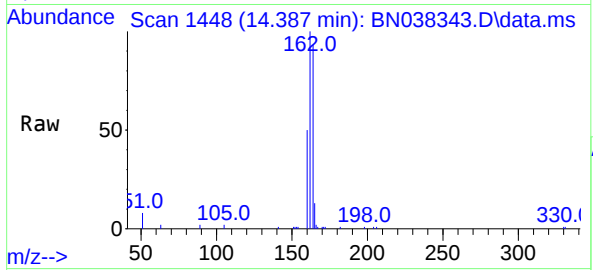




#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.387 min Scan# 1448
Delta R.T. -0.011 min
Lab File: BN038343.D
Acq: 12 Dec 2025 09:24

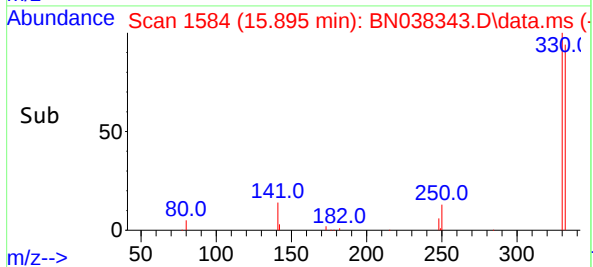
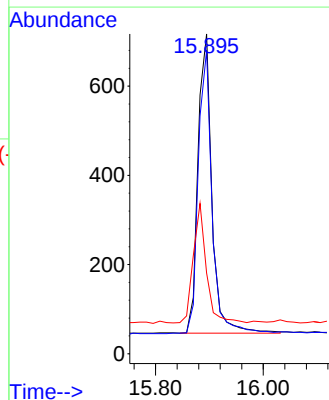
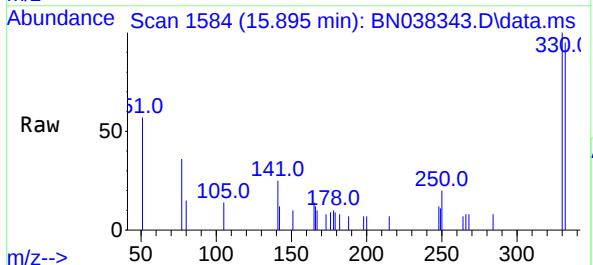
Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

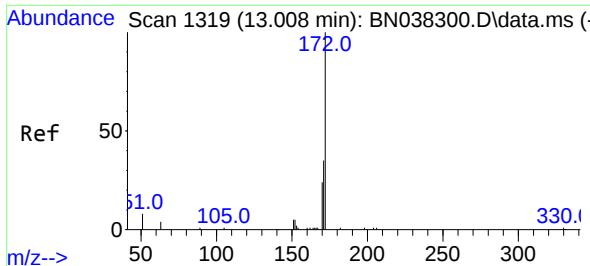
Tgt Ion:164 Resp: 7596
Ion Ratio Lower Upper
164 100
162 107.1 86.2 129.4
160 54.0 44.6 67.0



#14
2,4,6-Tribromophenol
Concen: 0.359 ng
RT: 15.895 min Scan# 1584
Delta R.T. -0.000 min
Lab File: BN038343.D
Acq: 12 Dec 2025 09:24

Tgt Ion:330 Resp: 1211
Ion Ratio Lower Upper
330 100
332 94.1 75.8 113.6
141 37.2 31.8 47.8

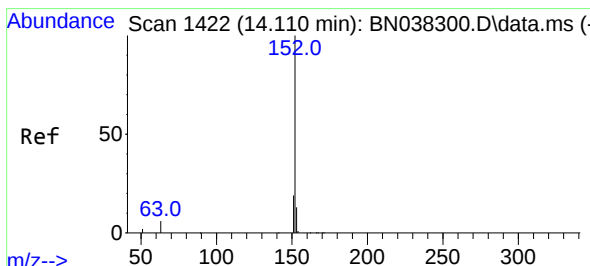
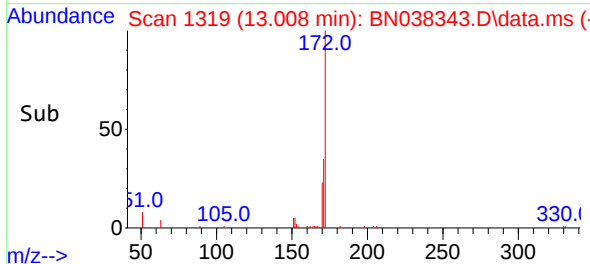
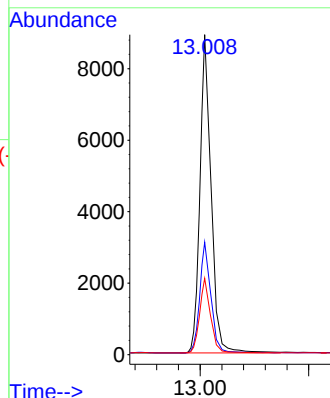
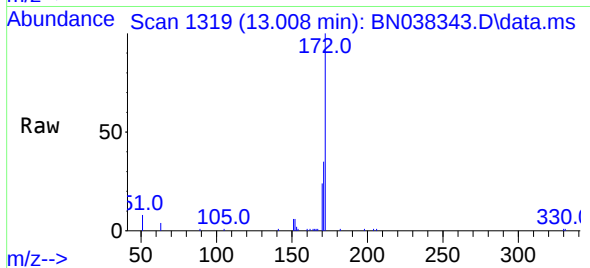




#15
2-Fluorobiphenyl
Concen: 0.401 ng
RT: 13.008 min Scan# 1319
Delta R.T. -0.000 min
Lab File: BN038343.D
Acq: 12 Dec 2025 09:24

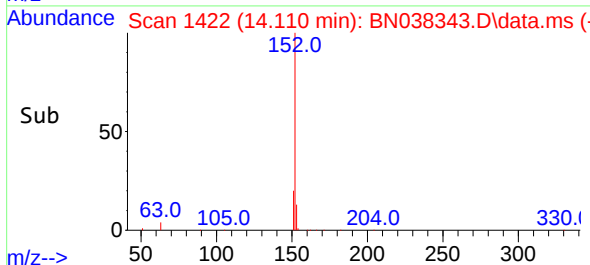
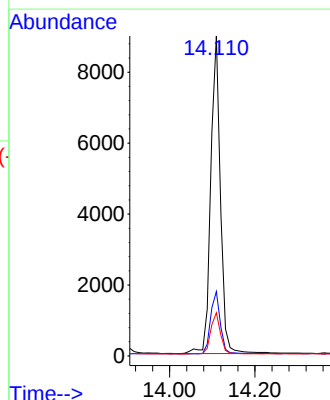
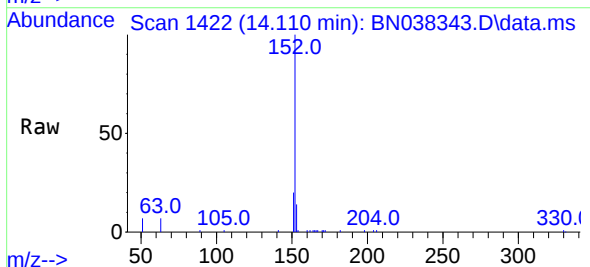
Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

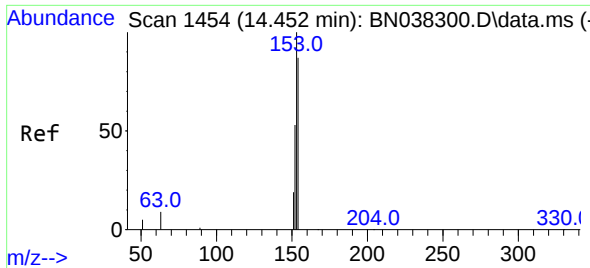
Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.2	28.6	42.8
170	23.8	19.3	28.9



#16
Acenaphthylene
Concen: 0.378 ng
RT: 14.110 min Scan# 1422
Delta R.T. -0.000 min
Lab File: BN038343.D
Acq: 12 Dec 2025 09:24

Tgt Ion	Ratio	Lower	Upper
152	100		
151	19.7	15.4	23.2
153	13.2	10.2	15.4

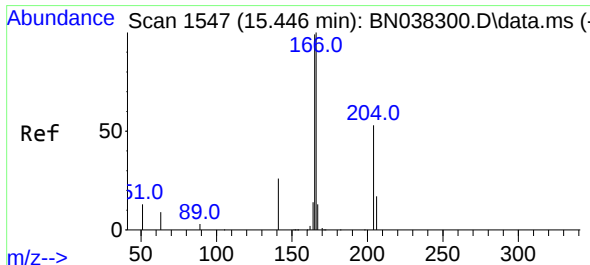
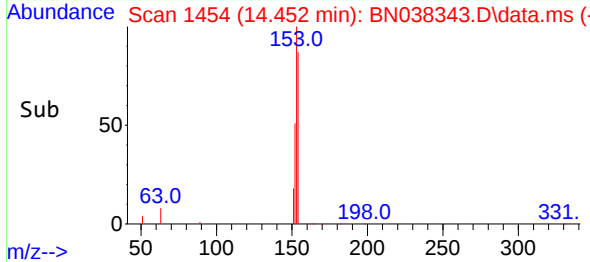
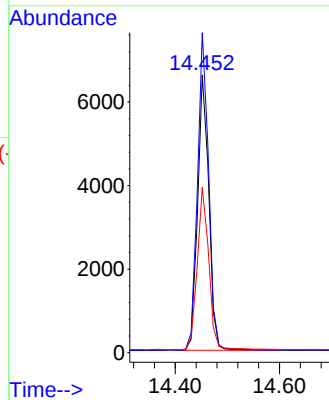
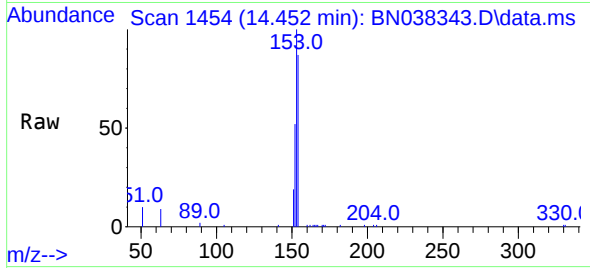




#17
Acenaphthene
Concen: 0.379 ng
RT: 14.452 min Scan# 1454
Delta R.T. -0.011 min
Lab File: BN038343.D
Acq: 12 Dec 2025 09:24

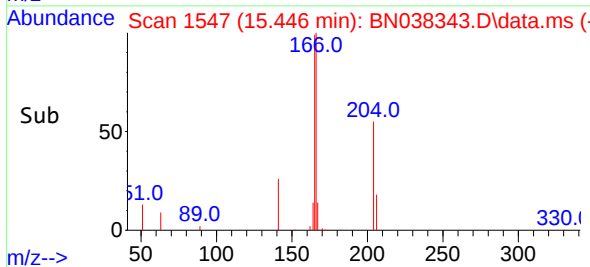
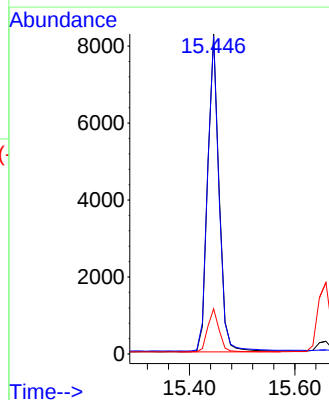
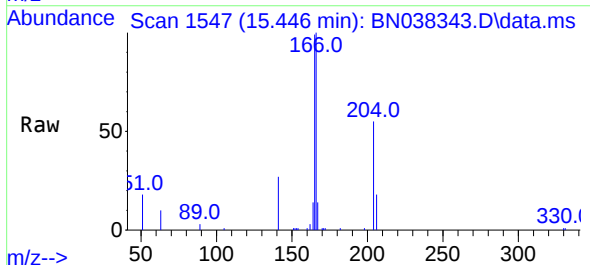
Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

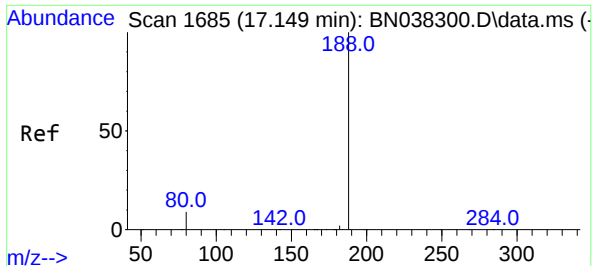
Tgt Ion:154 Resp: 9849
Ion Ratio Lower Upper
154 100
153 115.5 89.8 134.8
152 61.0 47.5 71.3



#18
Fluorene
Concen: 0.386 ng
RT: 15.446 min Scan# 1547
Delta R.T. -0.000 min
Lab File: BN038343.D
Acq: 12 Dec 2025 09:24

Tgt Ion:166 Resp: 12900
Ion Ratio Lower Upper
166 100
165 100.1 80.2 120.4
167 13.7 10.6 16.0





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 17.148 min Scan# 1

Delta R.T. -0.000 min

Lab File: BN038343.D

Acq: 12 Dec 2025 09:24

Instrument :

BNA_N

ClientSampleId :

SSTDCCC0.4

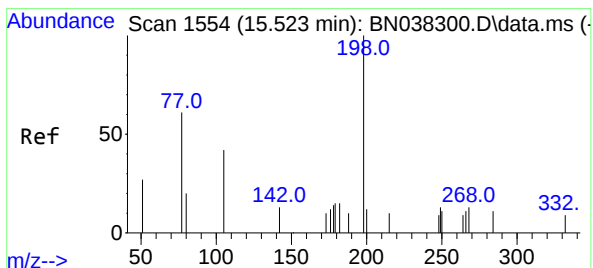
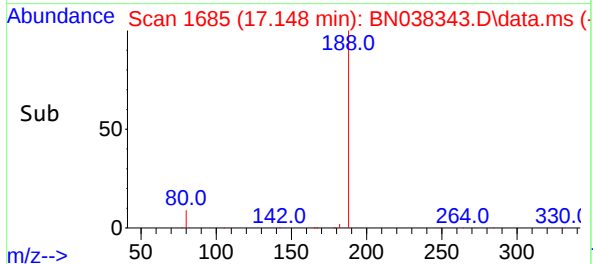
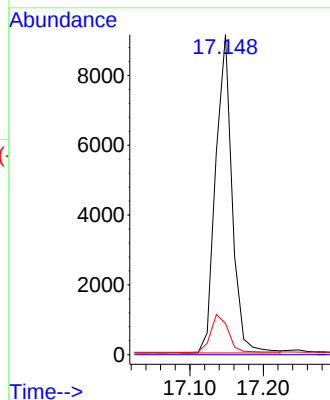
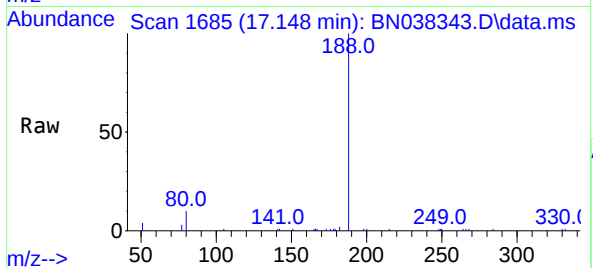
Tgt Ion:188 Resp: 14177

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

80 9.8 7.4 11.0



#20

4,6-Dinitro-2-methylphenol

Concen: 0.078 ng

RT: 15.522 min Scan# 1554

Delta R.T. 0.000 min

Lab File: BN038343.D

Acq: 12 Dec 2025 09:24

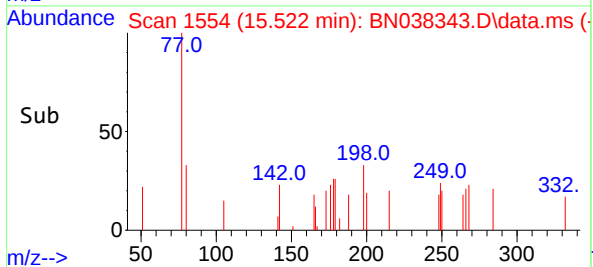
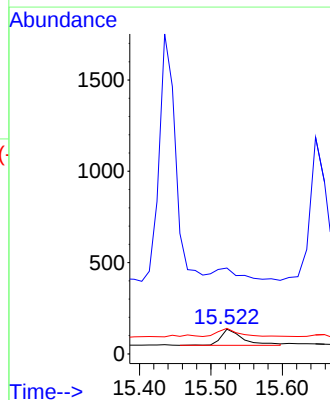
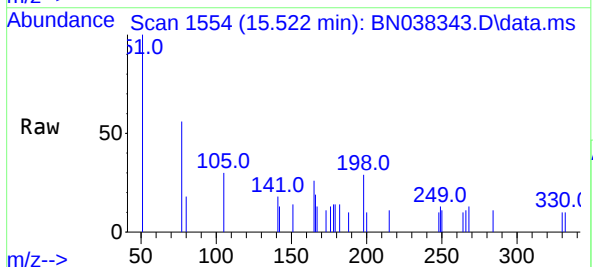
Tgt Ion:198 Resp: 182

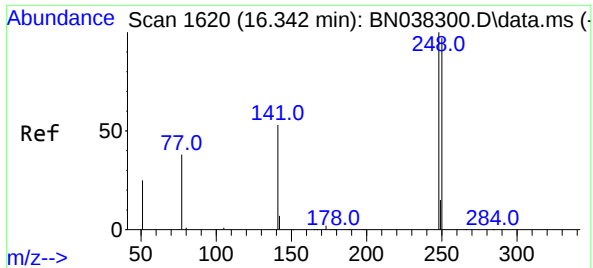
Ion Ratio Lower Upper

198 100

51 348.1 86.3 129.5#

105 103.7 45.3 67.9#

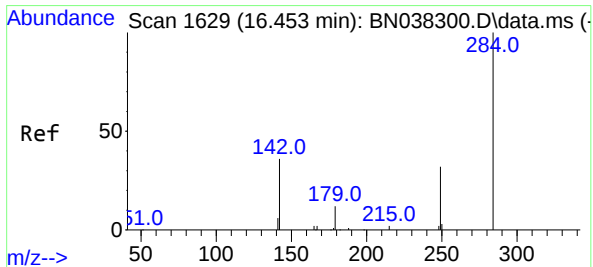
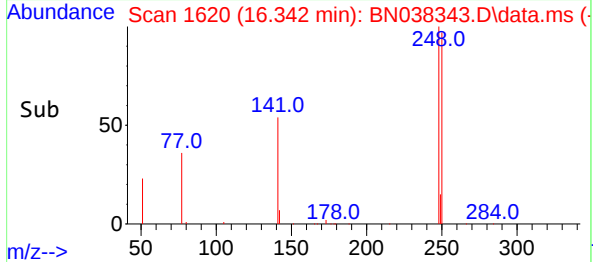
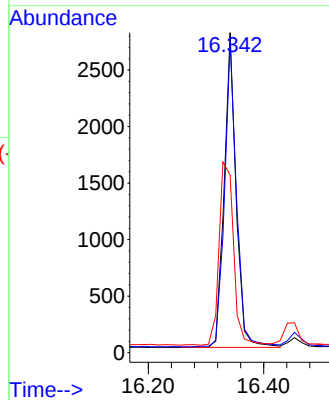
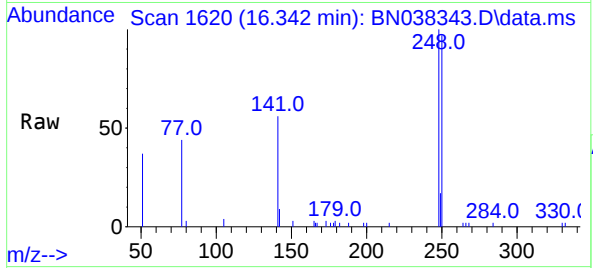




#21
4-Bromophenyl-phenylether
Concen: 0.381 ng
RT: 16.342 min Scan# 1620
Delta R.T. -0.000 min
Lab File: BN038343.D
Acq: 12 Dec 2025 09:24

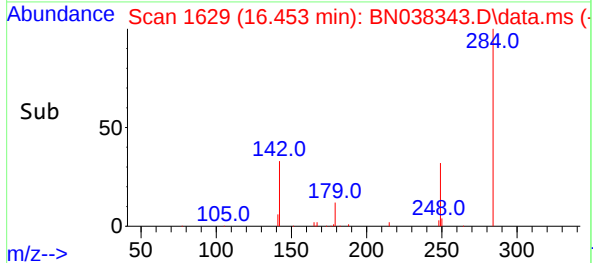
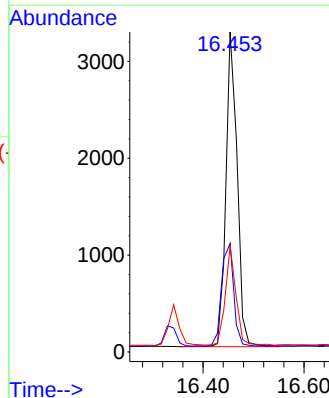
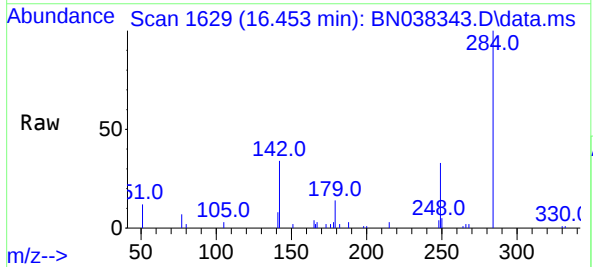
Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

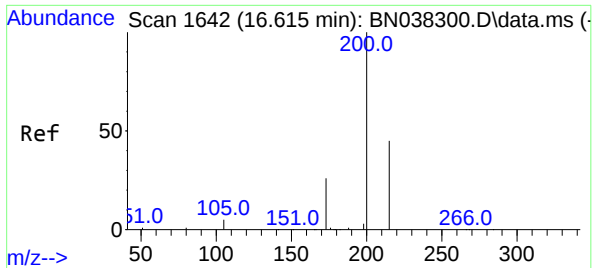
Tgt Ion:248 Resp: 4006
Ion Ratio Lower Upper
248 100
250 97.3 78.2 117.2
141 55.5 43.7 65.5



#22
Hexachlorobenzene
Concen: 0.395 ng
RT: 16.453 min Scan# 1629
Delta R.T. -0.012 min
Lab File: BN038343.D
Acq: 12 Dec 2025 09:24

Tgt Ion:284 Resp: 4990
Ion Ratio Lower Upper
284 100
142 35.4 29.5 44.3
249 30.1 23.7 35.5

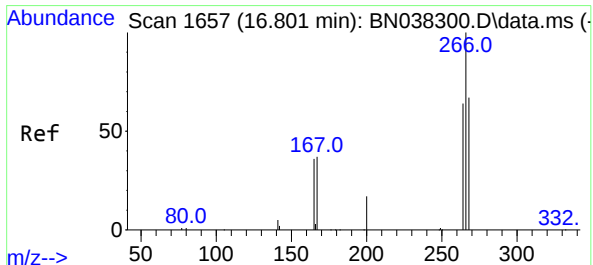
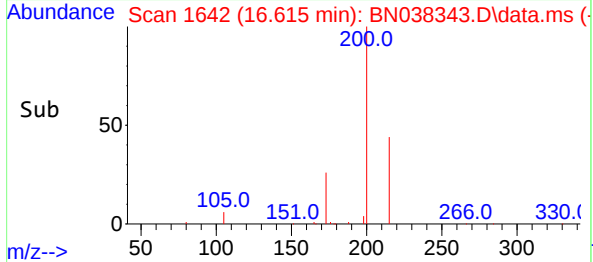
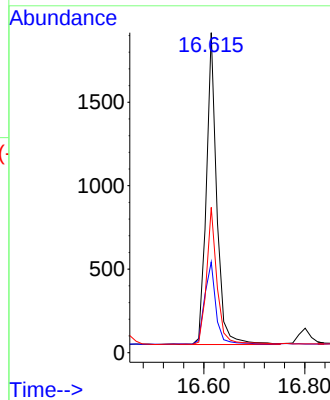
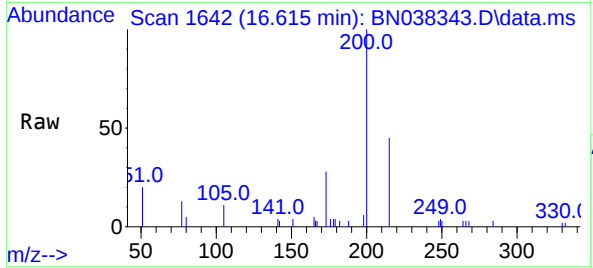




#23
Atrazine
Concen: 0.377 ng
RT: 16.615 min Scan# 1642
Delta R.T. -0.000 min
Lab File: BN038343.D
Acq: 12 Dec 2025 09:24

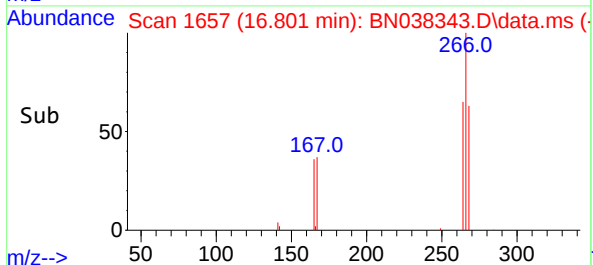
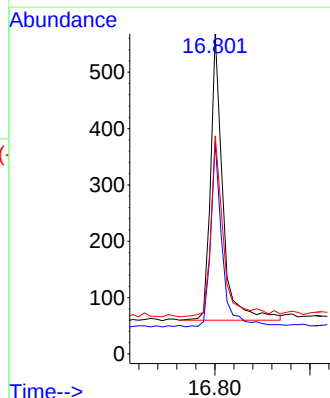
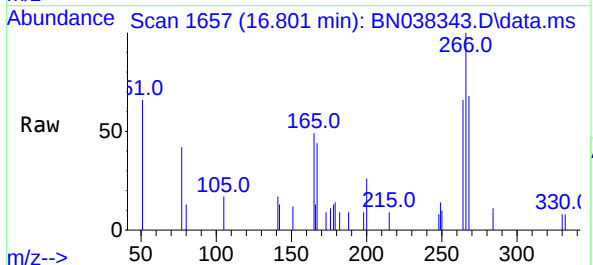
Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

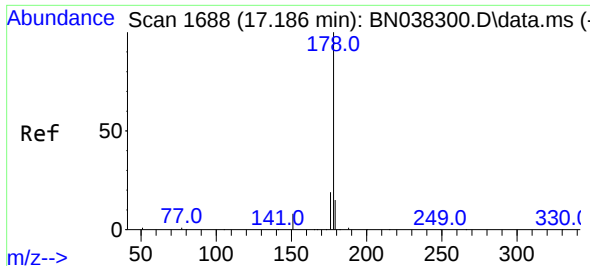
Tgt Ion:200 Resp: 2706
Ion Ratio Lower Upper
200 100
173 28.3 22.1 33.1
215 45.4 37.4 56.2



#24
Pentachlorophenol
Concen: 0.185 ng
RT: 16.801 min Scan# 1657
Delta R.T. -0.000 min
Lab File: BN038343.D
Acq: 12 Dec 2025 09:24

Tgt Ion:266 Resp: 912
Ion Ratio Lower Upper
266 100
264 61.6 50.2 75.2
268 64.5 52.6 78.8

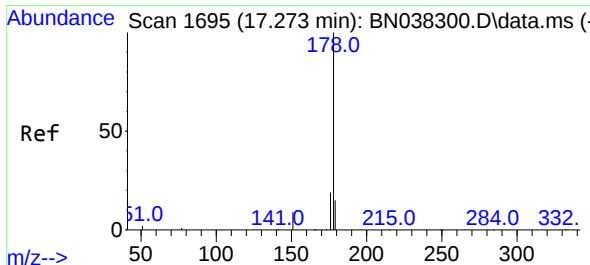
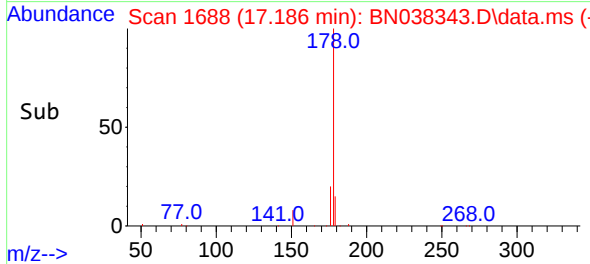
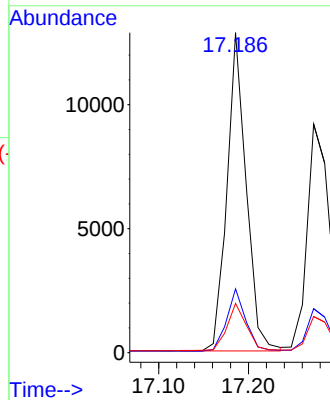
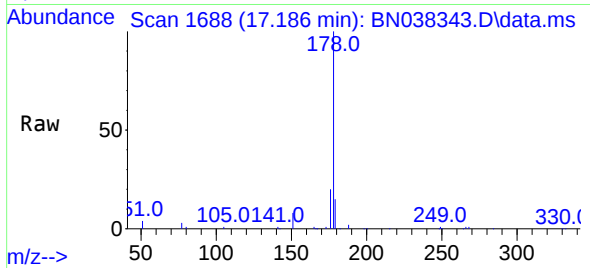




#25
Phenanthrene
Concen: 0.387 ng
RT: 17.186 min Scan# 1688
Delta R.T. -0.000 min
Lab File: BN038343.D
Acq: 12 Dec 2025 09:24

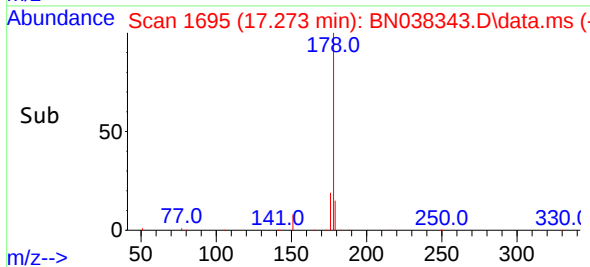
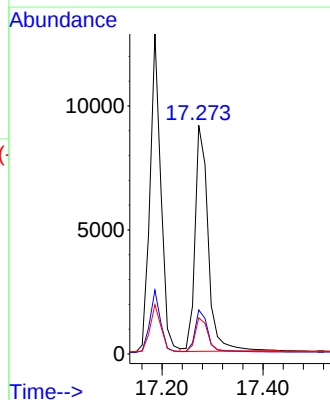
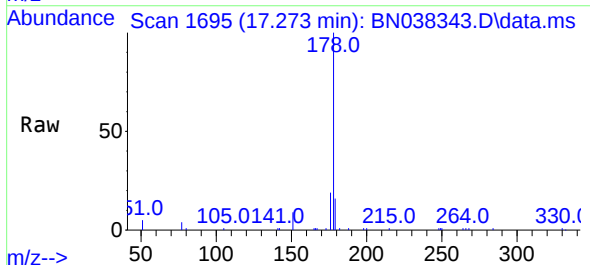
Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

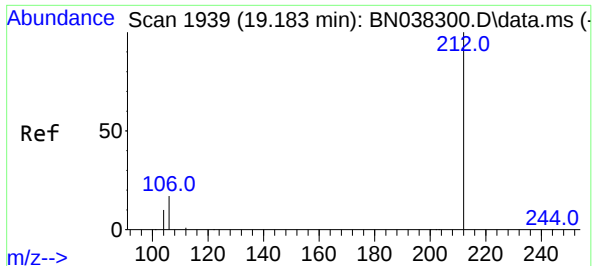
Tgt Ion:178 Resp: 19077
Ion Ratio Lower Upper
178 100
176 19.3 15.5 23.3
179 15.2 12.2 18.2



#26
Anthracene
Concen: 0.387 ng
RT: 17.273 min Scan# 1695
Delta R.T. -0.012 min
Lab File: BN038343.D
Acq: 12 Dec 2025 09:24

Tgt Ion:178 Resp: 16452
Ion Ratio Lower Upper
178 100
176 18.4 15.1 22.7
179 15.3 12.0 18.0

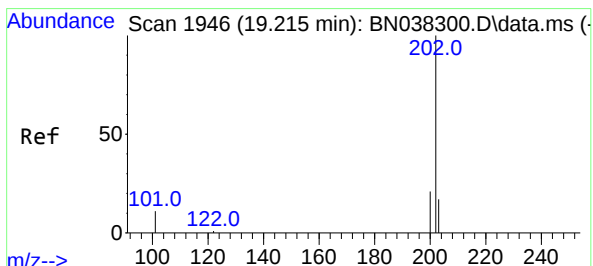
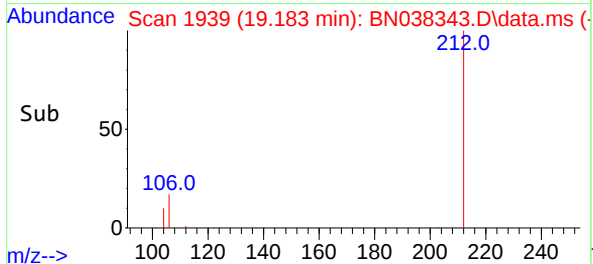
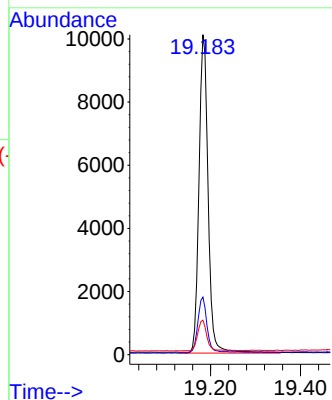
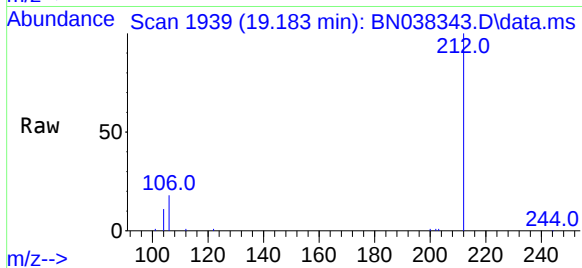




#27
Fluoranthene-d10
Concen: 0.407 ng
RT: 19.183 min Scan# 1939
Delta R.T. -0.005 min
Lab File: BN038343.D
Acq: 12 Dec 2025 09:24

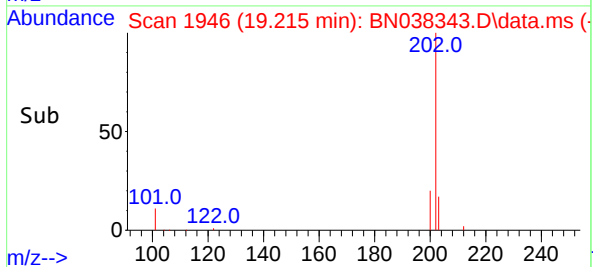
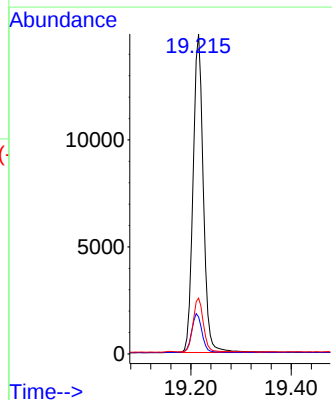
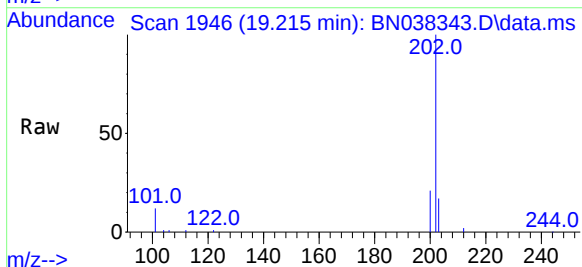
Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

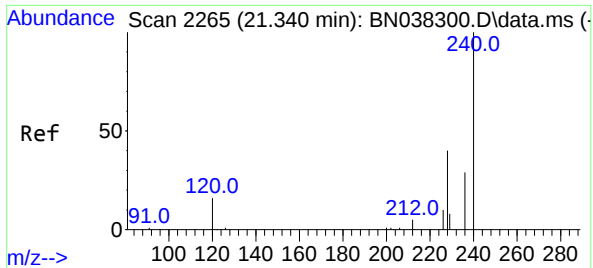
Tgt Ion:212 Resp: 14274
Ion Ratio Lower Upper
212 100
106 17.2 13.7 20.5
104 9.8 7.8 11.8



#28
Fluoranthene
Concen: 0.402 ng
RT: 19.215 min Scan# 1946
Delta R.T. -0.005 min
Lab File: BN038343.D
Acq: 12 Dec 2025 09:24

Tgt Ion:202 Resp: 21105
Ion Ratio Lower Upper
202 100
101 12.3 9.6 14.4
203 16.8 13.5 20.3

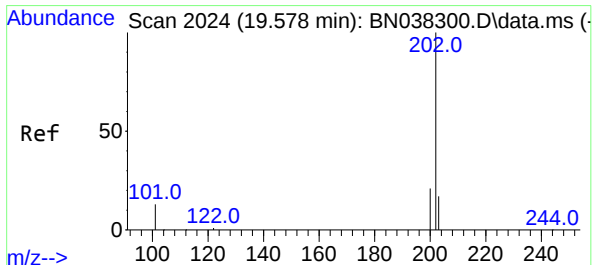
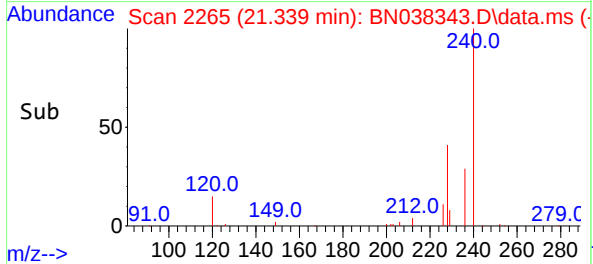
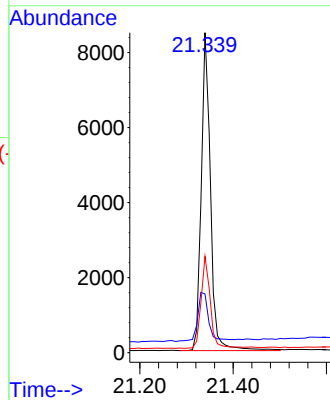
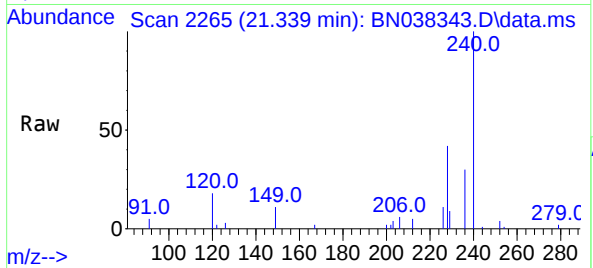




#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.339 min Scan# 21
Delta R.T. -0.000 min
Lab File: BN038343.D
Acq: 12 Dec 2025 09:24

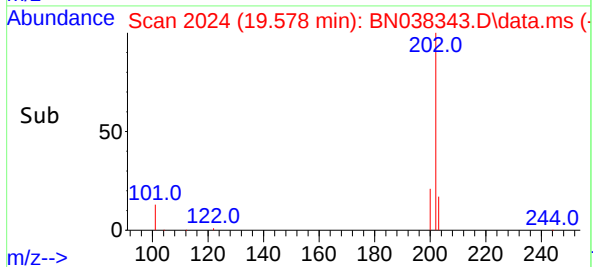
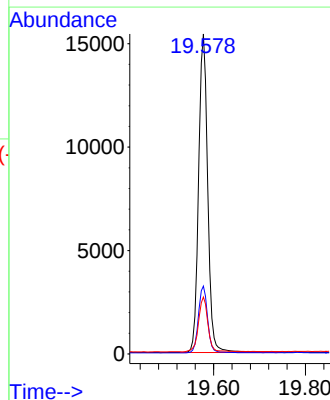
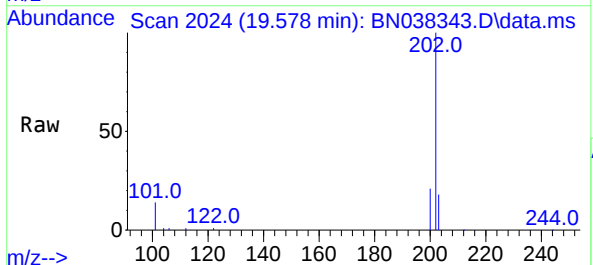
Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

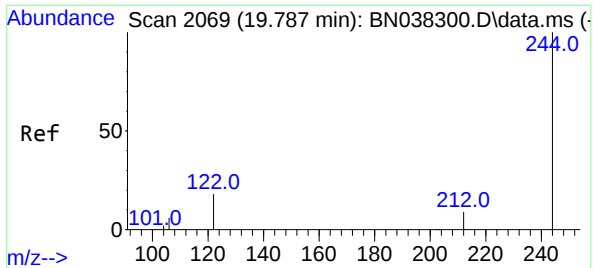
Tgt Ion:240 Resp: 11670
Ion Ratio Lower Upper
240 100
120 18.3 15.4 23.2
236 30.1 23.9 35.9



#30
Pyrene
Concen: 0.370 ng
RT: 19.578 min Scan# 2024
Delta R.T. -0.005 min
Lab File: BN038343.D
Acq: 12 Dec 2025 09:24

Tgt Ion:202 Resp: 21243
Ion Ratio Lower Upper
202 100
200 21.0 16.9 25.3
203 17.7 14.2 21.2

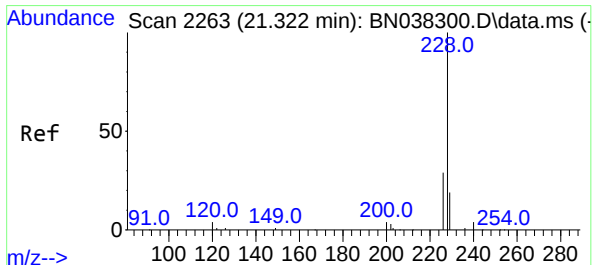
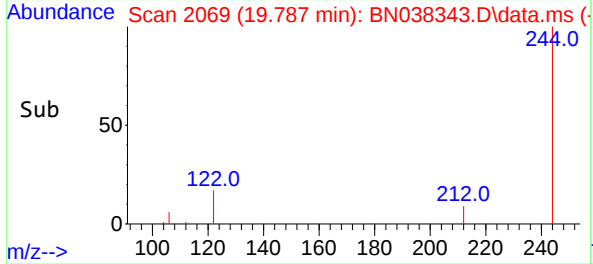
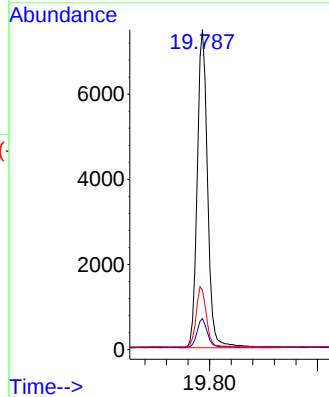
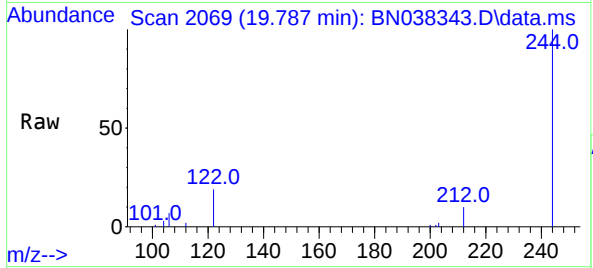




#31
Terphenyl-d14
Concen: 0.382 ng
RT: 19.787 min Scan# 2069
Delta R.T. -0.005 min
Lab File: BN038343.D
Acq: 12 Dec 2025 09:24

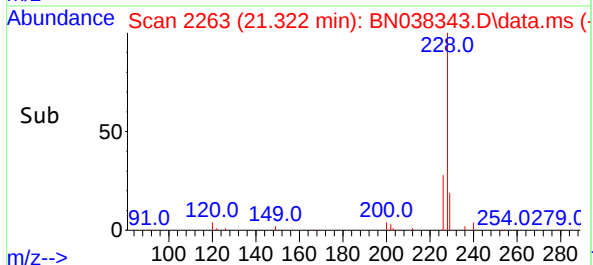
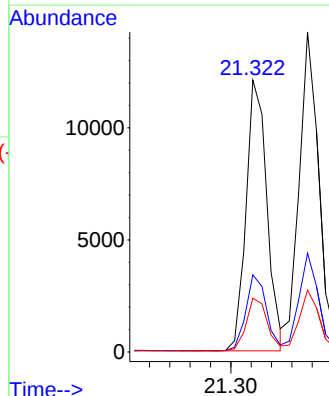
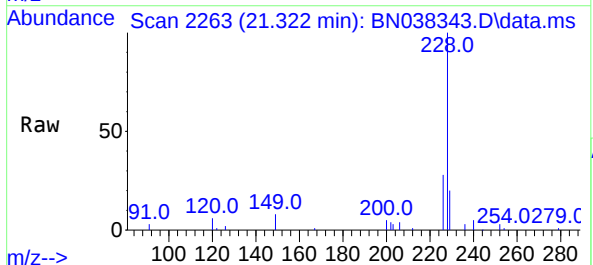
Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

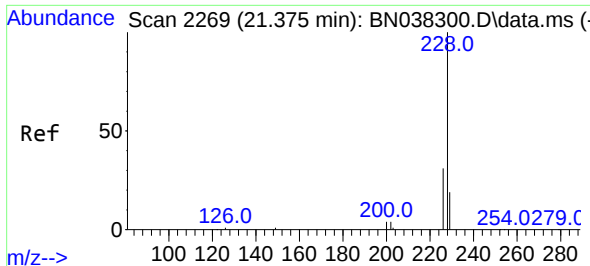
Tgt Ion:244 Resp: 9959
Ion Ratio Lower Upper
244 100
212 9.7 7.9 11.9
122 18.6 15.0 22.6



#32
Benzo(a)anthracene
Concen: 0.381 ng
RT: 21.322 min Scan# 2263
Delta R.T. -0.009 min
Lab File: BN038343.D
Acq: 12 Dec 2025 09:24

Tgt Ion:228 Resp: 17188
Ion Ratio Lower Upper
228 100
226 28.4 23.3 34.9
229 19.7 15.7 23.5

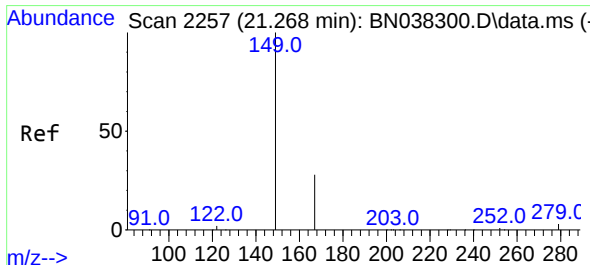
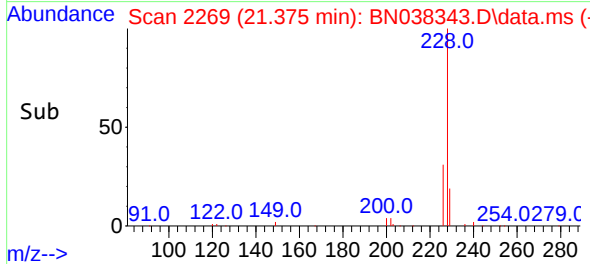
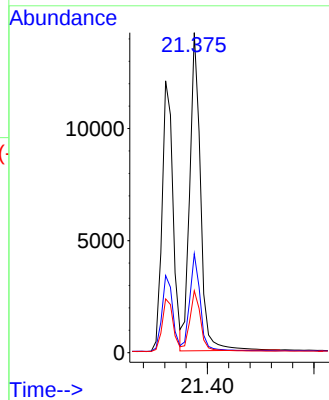
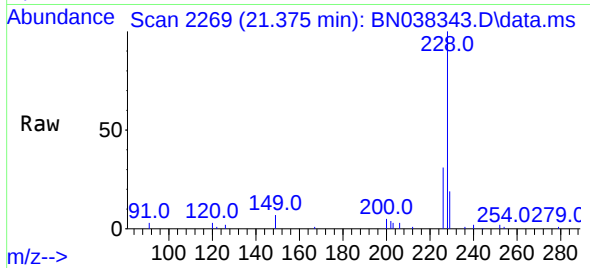




#33
Chrysene
Concen: 0.401 ng
RT: 21.375 min Scan# 21
Delta R.T. -0.000 min
Lab File: BN038343.D
Acq: 12 Dec 2025 09:24

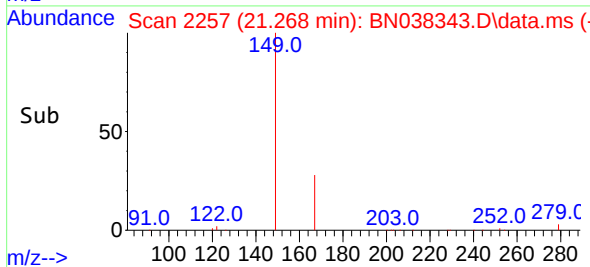
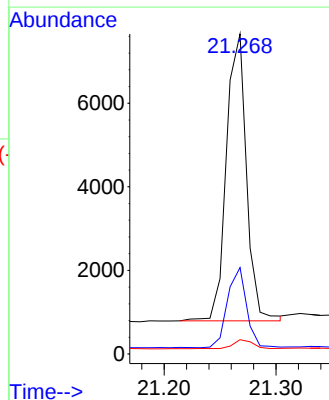
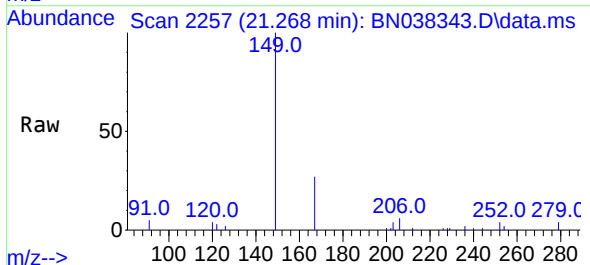
Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

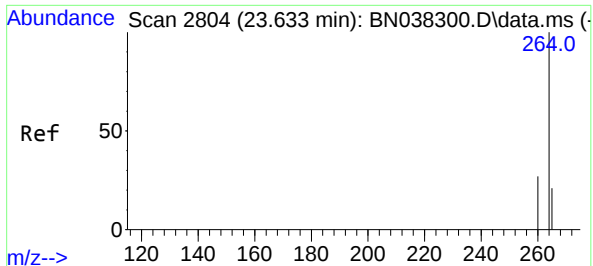
Tgt Ion:	228	Resp:	19898
Ion Ratio	Lower	Upper	
228	100		
226	30.9	25.0	37.4
229	19.3	15.5	23.3



#34
Bis(2-ethylhexyl)phthalate
Concen: 0.348 ng
RT: 21.268 min Scan# 2257
Delta R.T. -0.000 min
Lab File: BN038343.D
Acq: 12 Dec 2025 09:24

Tgt Ion:	149	Resp:	8597
Ion Ratio	Lower	Upper	
149	100		
167	26.5	21.4	32.0
279	3.2	2.4	3.6

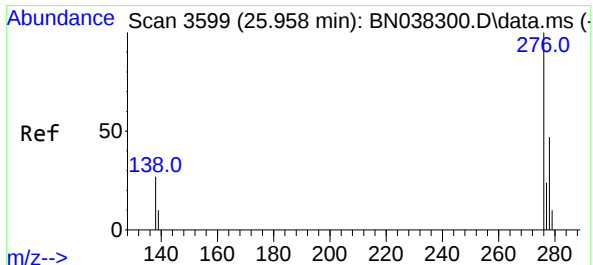
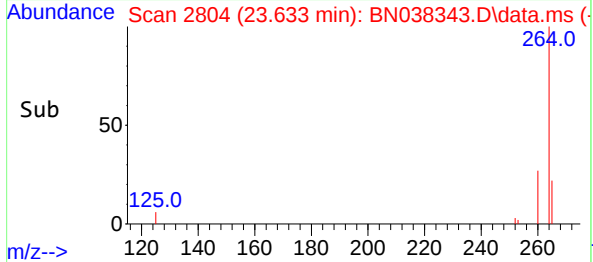
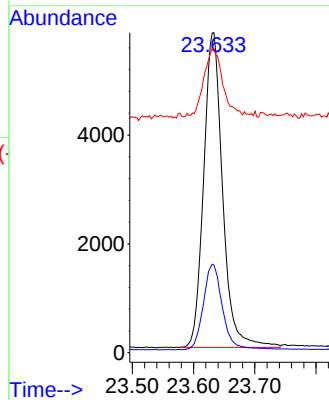
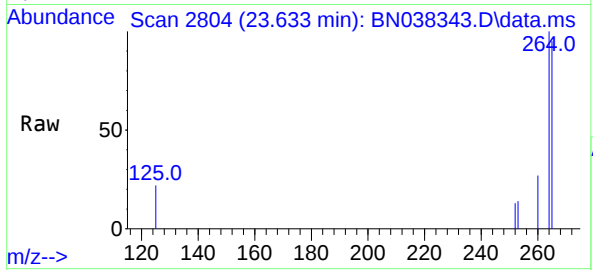




#35
Perylene-d12
Concen: 0.400 ng
RT: 23.633 min Scan# 21
Delta R.T. -0.000 min
Lab File: BN038343.D
Acq: 12 Dec 2025 09:24

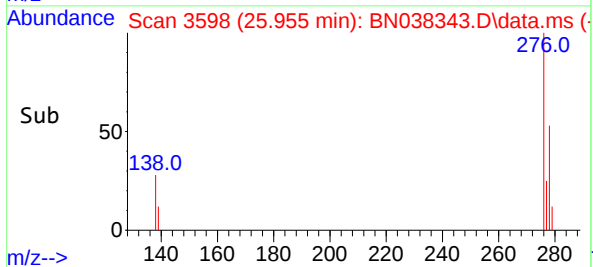
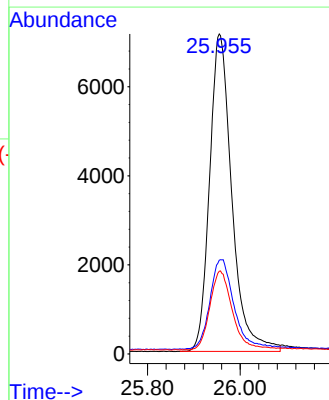
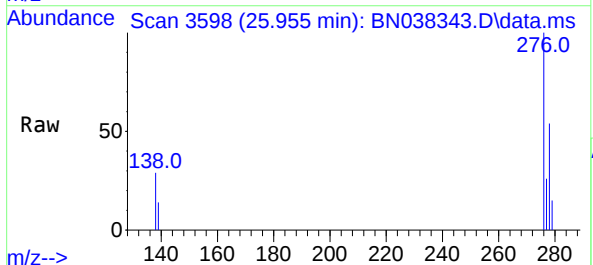
Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

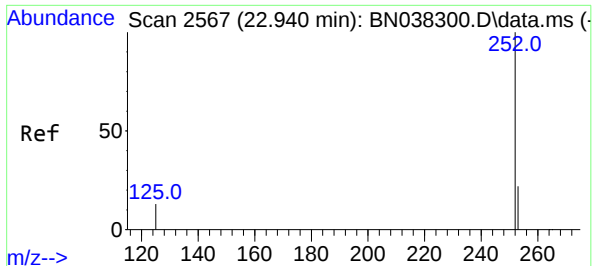
Tgt Ion:264 Resp: 12444
Ion Ratio Lower Upper
264 100
260 27.4 22.2 33.2
265 95.0 80.2 120.2



#36
Indeno(1,2,3-cd)pyrene
Concen: 0.360 ng
RT: 25.955 min Scan# 3598
Delta R.T. -0.009 min
Lab File: BN038343.D
Acq: 12 Dec 2025 09:24

Tgt Ion:276 Resp: 23803
Ion Ratio Lower Upper
276 100
138 30.5 23.6 35.4
277 25.2 19.7 29.5





#37

Benzo(b)fluoranthene

Concen: 0.359 ng

RT: 22.937 min Scan# 2566

Delta R.T. -0.009 min

Lab File: BN038343.D

Acq: 12 Dec 2025 09:24

Instrument :

BNA_N

ClientSampleId :

SSTDCCC0.4

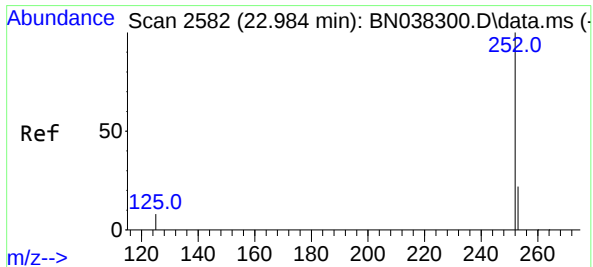
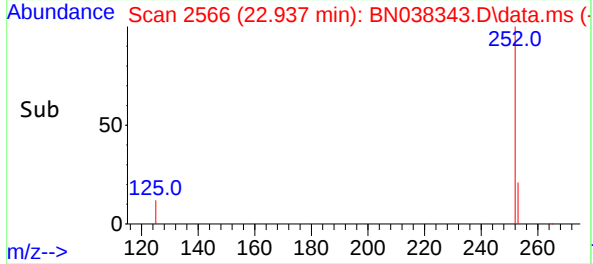
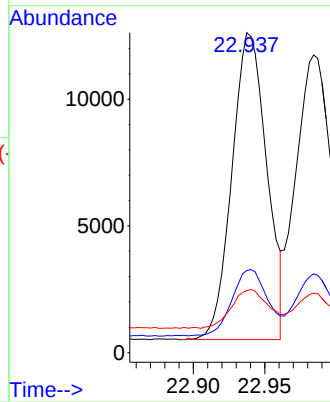
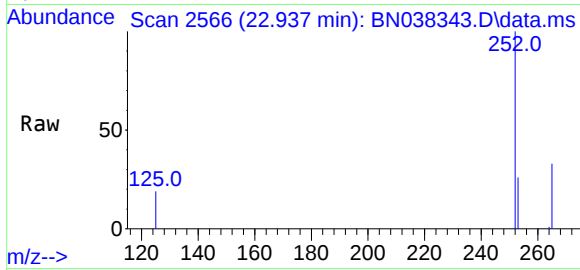
Tgt Ion:252 Resp: 20494

Ion Ratio Lower Upper

252 100

253 25.7 21.1 31.7

125 19.4 16.4 24.6



#38

Benzo(k)fluoranthene

Concen: 0.352 ng

RT: 22.984 min Scan# 2582

Delta R.T. -0.006 min

Lab File: BN038343.D

Acq: 12 Dec 2025 09:24

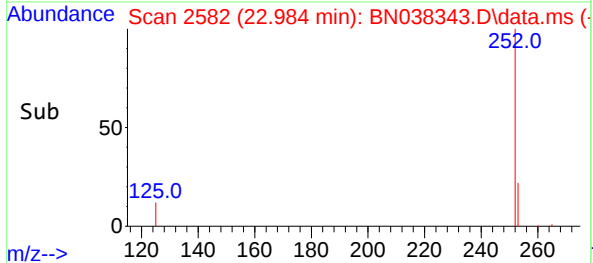
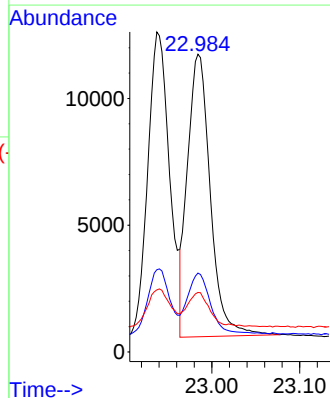
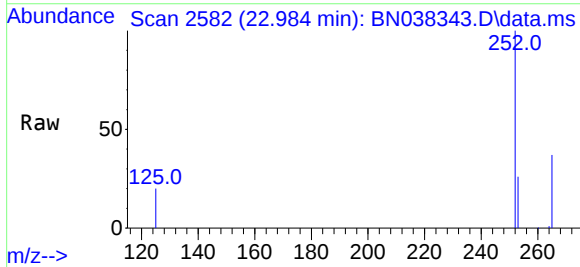
Tgt Ion:252 Resp: 20086

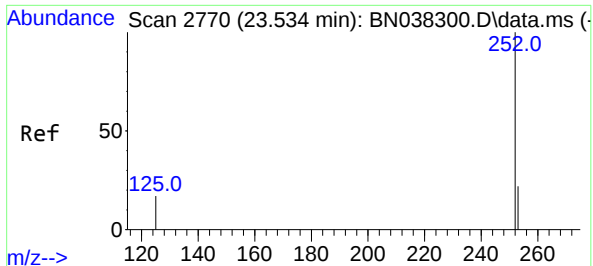
Ion Ratio Lower Upper

252 100

253 26.5 21.4 32.0

125 20.0 16.2 24.2





#39

Benzo(a)pyrene

Concen: 0.358 ng

RT: 23.531 min Scan# 21

Delta R.T. -0.003 min

Lab File: BN038343.D

Acq: 12 Dec 2025 09:24

Instrument :

BNA_N

ClientSampleId :

SSTDCCC0.4

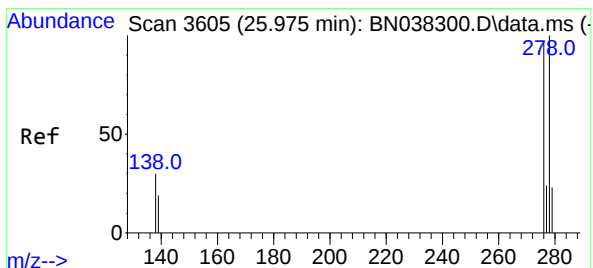
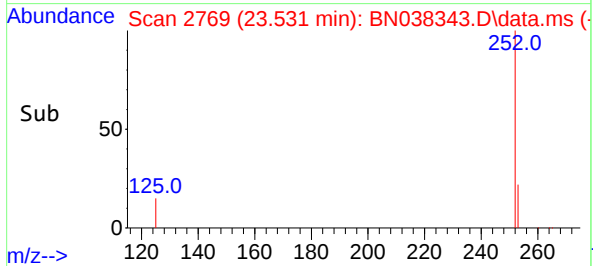
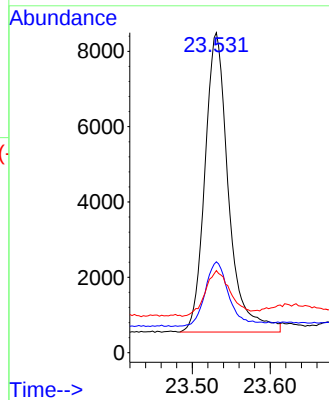
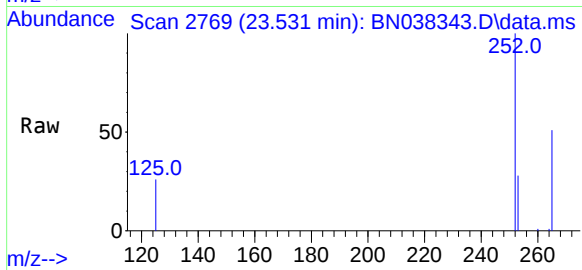
Tgt Ion:252 Resp: 16745

Ion Ratio Lower Upper

252 100

253 28.4 23.3 34.9

125 25.6 22.4 33.6



#40

Dibenzo(a,h)anthracene

Concen: 0.364 ng

RT: 25.972 min Scan# 3604

Delta R.T. -0.009 min

Lab File: BN038343.D

Acq: 12 Dec 2025 09:24

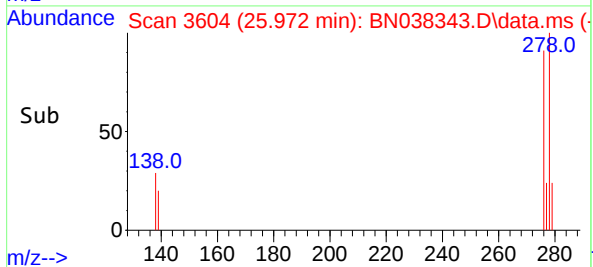
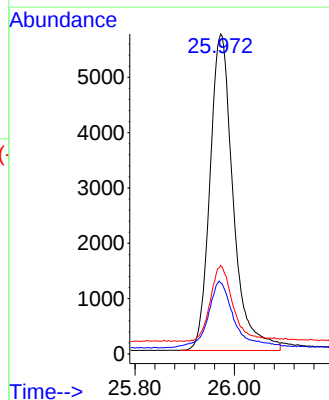
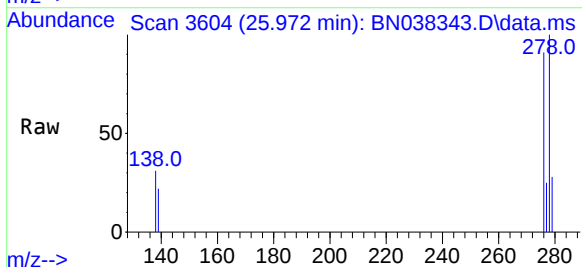
Tgt Ion:278 Resp: 18552

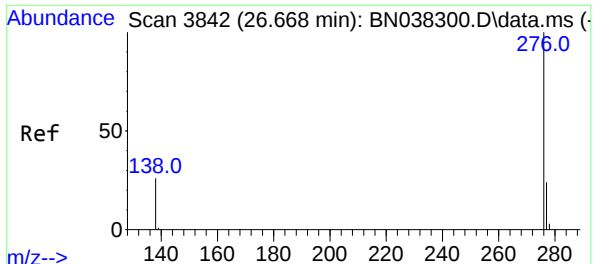
Ion Ratio Lower Upper

278 100

139 22.2 17.8 26.8

279 27.7 21.3 31.9

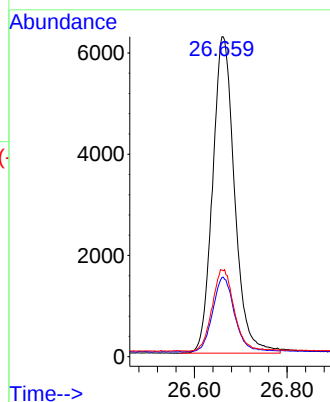




#41
Benzo(g,h,i)perylene
Concen: 0.362 ng
RT: 26.659 min Scan# 3839
Delta R.T. -0.018 min
Lab File: BN038343.D
Acq: 12 Dec 2025 09:24

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:	276	Resp:	20585
Ion	Ratio	Lower	Upper
276	100		
277	24.8	20.0	30.0
138	27.0	21.8	32.6



Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN121225\
 Data File : BN038343.D
 Acq On : 12 Dec 2025 09:24
 Operator : RC/JU
 Sample : SSTDCCC0.4
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_N
 LabSampleId :
 SSTDCCC0.4

Quant Time: Dec 12 09:59:58 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN121025.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Dec 10 13:56:50 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	0.459	0.488	-6.3	88	0.00
3	n-Nitrosodimethylamine	0.575	0.531	7.7	77	0.00
4 S	2-Fluorophenol	0.996	0.966	3.0	82	0.00
5 S	Phenol-d6	1.184	1.162	1.9	84	0.00
6	bis(2-Chloroethyl)ether	1.158	1.176	-1.6	84	0.00
7 I	Naphthalene-d8	1.000	1.000	0.0	87	-0.01
8 S	Nitrobenzene-d5	0.337	0.317	5.9	84	0.00
9	Naphthalene	1.182	1.157	2.1	86	0.00
10	Hexachlorobutadiene	0.210	0.205	2.4	85	0.00
11 SURR	2-Methylnaphthalene-d10	0.564	0.557	1.2	88	0.00
12	2-Methylnaphthalene	0.751	0.739	1.6	88	0.00
13 I	Acenaphthene-d10	1.000	1.000	0.0	93	-0.01
14 S	2,4,6-Tribromophenol	0.177	0.159	10.2	88	0.00
15 S	2-Fluorobiphenyl	1.927	1.930	-0.2	91	0.00
16	Acenaphthylene	1.964	1.858	5.4	91	0.00
17	Acenaphthene	1.369	1.297	5.3	90	-0.01
18	Fluorene	1.761	1.698	3.6	92	0.00
19 I	Phenanthrene-d10	1.000	1.000	0.0	96	0.00
20	4,6-Dinitro-2-methylphenol	0.066	0.013	80.3#	22#	0.00
21	4-Bromophenyl-phenylether	0.297	0.283	4.7	94	0.00
22	Hexachlorobenzene	0.357	0.352	1.4	96	-0.01
23	Atrazine	0.202	0.191	5.4	96	0.00
24	Pentachlorophenol	0.139	0.064	54.0#	51	0.00
25	Phenanthrene	1.392	1.346	3.3	94	0.00
26	Anthracene	1.200	1.160	3.3	97	-0.01
27 SURR	Fluoranthene-d10	0.989	1.007	-1.8	98	0.00
28	Fluoranthene	1.480	1.489	-0.6	98	0.00
29 I	Chrysene-d12	1.000	1.000	0.0	101	0.00
30	Pyrene	1.969	1.820	7.6	96	0.00
31 S	Terphenyl-d14	0.893	0.853	4.5	98	0.00
32	Benzo(a)anthracene	1.545	1.473	4.7	101	0.00
33	Chrysene	1.701	1.705	-0.2	100	0.00
34	Bis(2-ethylhexyl)phthalate	0.848	0.737	13.1	88	0.00
35 I	Perylene-d12	1.000	1.000	0.0	108	0.00
36	Indeno(1,2,3-cd)pyrene	2.123	1.913	9.9	97	0.00
37	Benzo(b)fluoranthene	1.837	1.647	10.3	100	0.00
38	Benzo(k)fluoranthene	1.832	1.614	11.9	97	0.00
39 C	Benzo(a)pyrene	1.503	1.346	10.4	99	0.00
40	Dibenzo(a,h)anthracene	1.637	1.491	8.9	99	0.00
41	Benzo(g,h,i)perylene	1.829	1.654	9.6	99	-0.02

(#) = 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\BN121225\
 Data File : BN038343.D
 Acq On : 12 Dec 2025 09:24
 Operator : RC/JU
 Sample : SSTDCCC0.4
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_N
 LabSampleId :
 SSTDCCC0.4

Quant Time: Dec 12 09:59:58 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN121025.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Dec 10 13:56:50 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	0.426	-6.5	88	0.00
3	n-Nitrosodimethylamine	0.400	0.369	7.8	77	0.00
4 S	2-Fluorophenol	0.400	0.388	3.0	82	0.00
5 S	Phenol-d6	0.400	0.392	2.0	84	0.00
6	bis(2-Chloroethyl)ether	0.400	0.406	-1.5	84	0.00
7 I	Naphthalene-d8	0.400	0.400	0.0	87	-0.01
8 S	Nitrobenzene-d5	0.400	0.376	6.0	84	0.00
9	Naphthalene	0.400	0.391	2.3	86	0.00
10	Hexachlorobutadiene	0.400	0.389	2.8	85	0.00
11 SURR	2-Methylnaphthalene-d10	0.400	0.395	1.3	88	0.00
12	2-Methylnaphthalene	0.400	0.394	1.5	88	0.00
13 I	Acenaphthene-d10	0.400	0.400	0.0	93	-0.01
14 S	2,4,6-Tribromophenol	0.400	0.359	10.3	88	0.00
15 S	2-Fluorobiphenyl	0.400	0.401	-0.3	91	0.00
16	Acenaphthylene	0.400	0.378	5.5	91	0.00
17	Acenaphthene	0.400	0.379	5.3	90	-0.01
18	Fluorene	0.400	0.386	3.5	92	0.00
19 I	Phenanthrene-d10	0.400	0.400	0.0	96	0.00
20	4,6-Dinitro-2-methylphenol	0.400	0.078	80.5#	22	0.00
21	4-Bromophenyl-phenylether	0.400	0.381	4.8	94	0.00
22	Hexachlorobenzene	0.400	0.395	1.3	96	-0.01
23	Atrazine	0.400	0.377	5.8	96	0.00
24	Pentachlorophenol	0.400	0.185	53.8#	51	0.00
25	Phenanthrene	0.400	0.387	3.3	94	0.00
26	Anthracene	0.400	0.387	3.3	97	-0.01
27 SURR	Fluoranthene-d10	0.400	0.407	-1.7	98	0.00
28	Fluoranthene	0.400	0.402	-0.5	98	0.00
29 I	Chrysene-d12	0.400	0.400	0.0	101	0.00
30	Pyrene	0.400	0.370	7.5	96	0.00
31 S	Terphenyl-d14	0.400	0.382	4.5	98	0.00
32	Benzo(a)anthracene	0.400	0.381	4.8	101	0.00
33	Chrysene	0.400	0.401	-0.3	100	0.00
34	Bis(2-ethylhexyl)phthalate	0.400	0.348	13.0	88	0.00
35 I	Perylene-d12	0.400	0.400	0.0	108	0.00
36	Indeno(1,2,3-cd)pyrene	0.400	0.360	10.0	97	0.00
37	Benzo(b)fluoranthene	0.400	0.359	10.3	100	0.00
38	Benzo(k)fluoranthene	0.400	0.352	12.0	97	0.00
39 C	Benzo(a)pyrene	0.400	0.358	10.5	99	0.00
40	Dibenzo(a,h)anthracene	0.400	0.364	9.0	99	0.00
41	Benzo(g,h,i)perylene	0.400	0.362	9.5	99	-0.02

(#) = Out of Range

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

Instrument :

BNA_N

LabSampleId :

SSTDCCC0.4



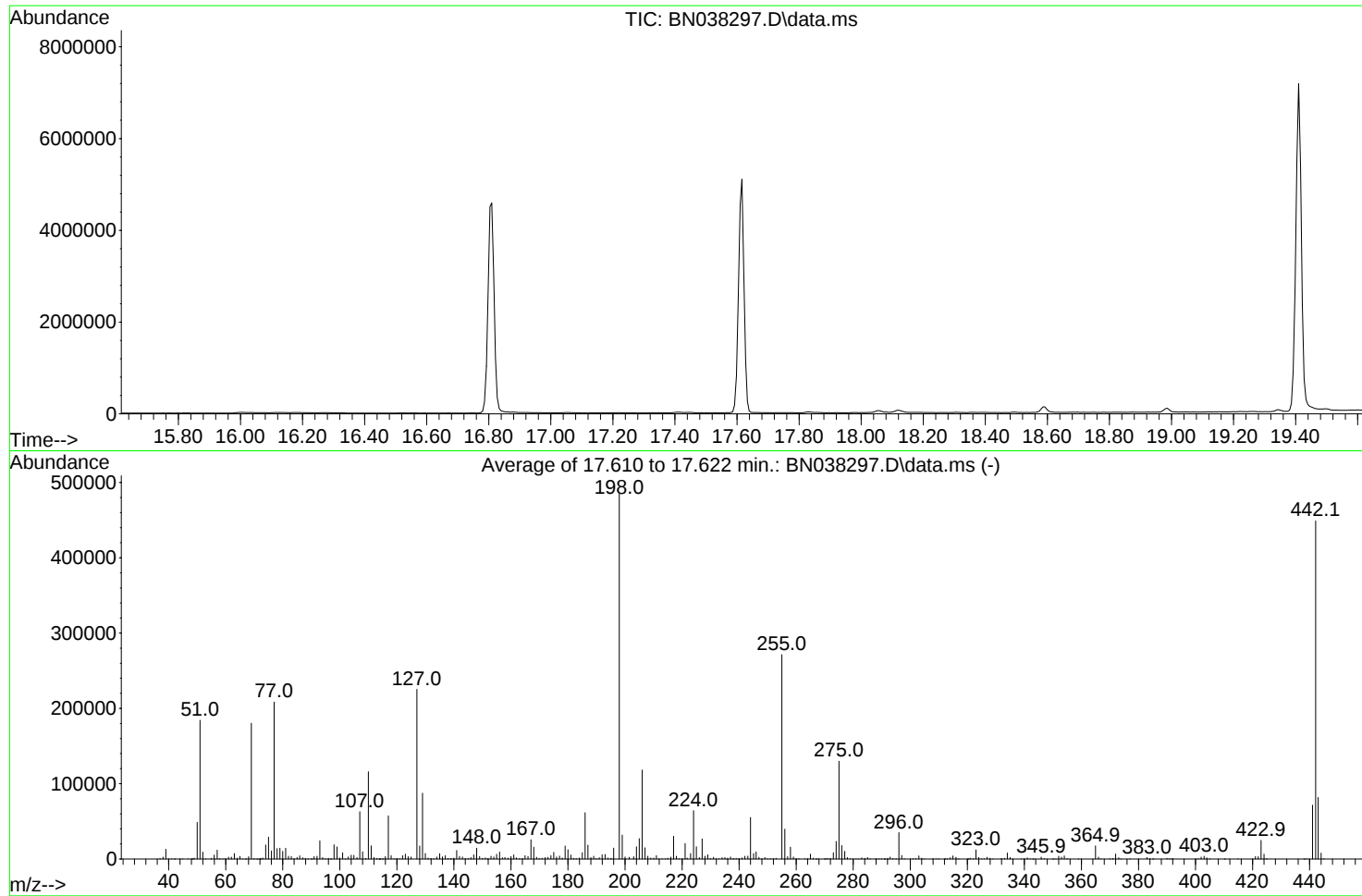
QC SAMPLE DATA

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN121025\
Data File : BN038297.D
Acq On : 10 Dec 2025 09:12
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-BN121025.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Wed Dec 10 13:56:50 2025



AutoFind: Scans 2469, 2470, 2471; Background Corrected with Scan 2461

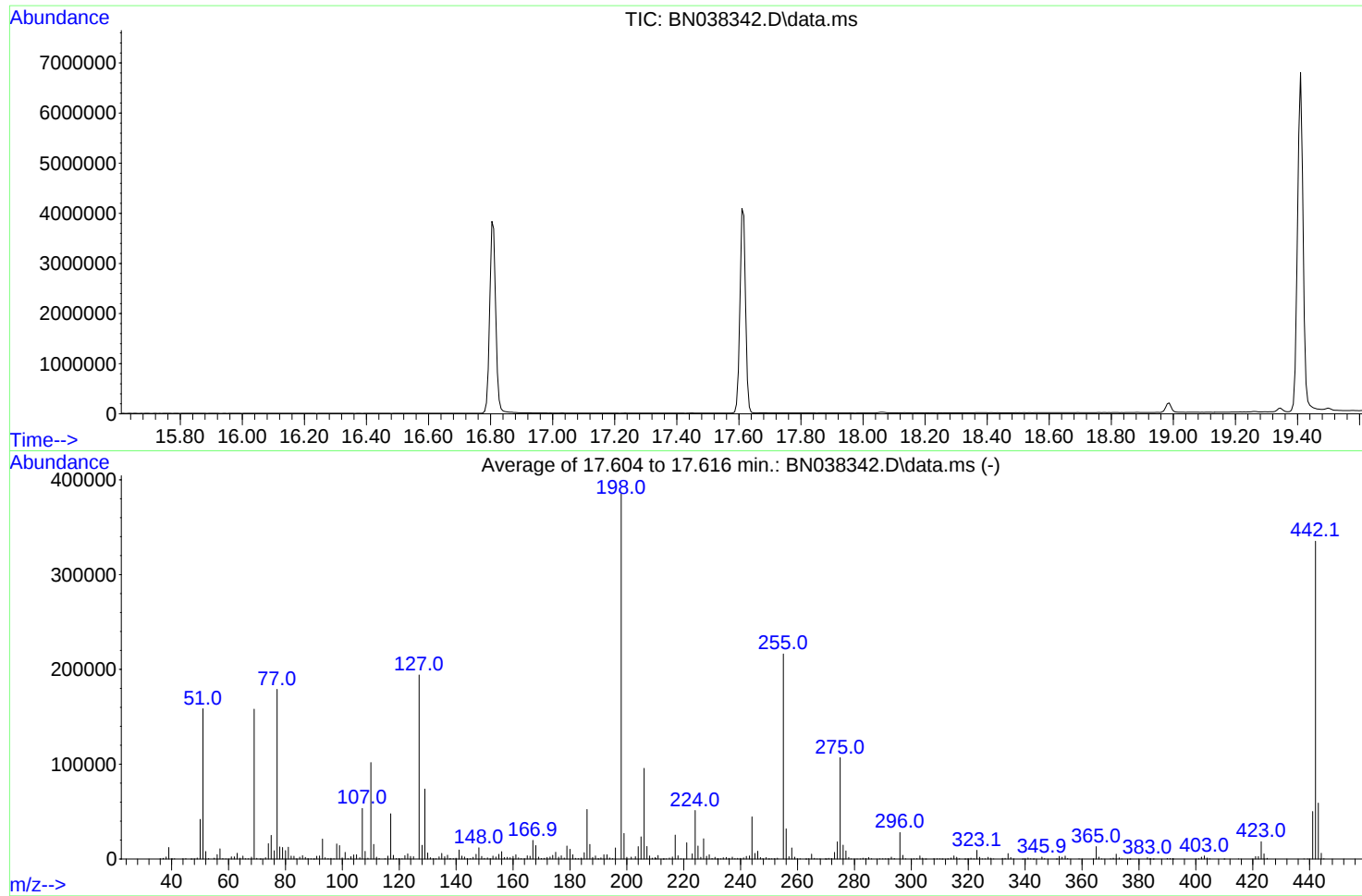
Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
68	69	0.00	2	1.7	3142	PASS
69	69	100	100	100.0	180342	PASS
70	69	0.00	2	0.5	866	PASS
197	198	0.00	2	0.0	0	PASS
198	198	100	100	100.0	484821	PASS
199	198	5	9	6.6	31797	PASS
365	198	1	100	3.6	17415	PASS
441	443	0.01	150	87.6	71624	PASS
442	442	100	100	100.0	449131	PASS
443	442	15	24	18.2	81797	PASS

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN121225\
Data File : BN038342.D
Acq On : 12 Dec 2025 08:45
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-BN121025.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Wed Dec 10 13:56:50 2025



AutoFind: Scans 2468, 2469, 2470; Background Corrected with Scan 2461

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
68	69	0.00	2	1.3	2072	PASS
69	69	100	100	100.0	158144	PASS
70	69	0.00	2	0.5	777	PASS
197	198	0.00	2	0.0	0	PASS
198	198	100	100	100.0	385088	PASS
199	198	5	9	7.0	26973	PASS
365	198	1	100	3.4	13061	PASS
441	443	0.01	150	85.0	50136	PASS
442	442	100	100	100.0	335232	PASS
443	442	15	24	17.6	58984	PASS

DDT Breakdown

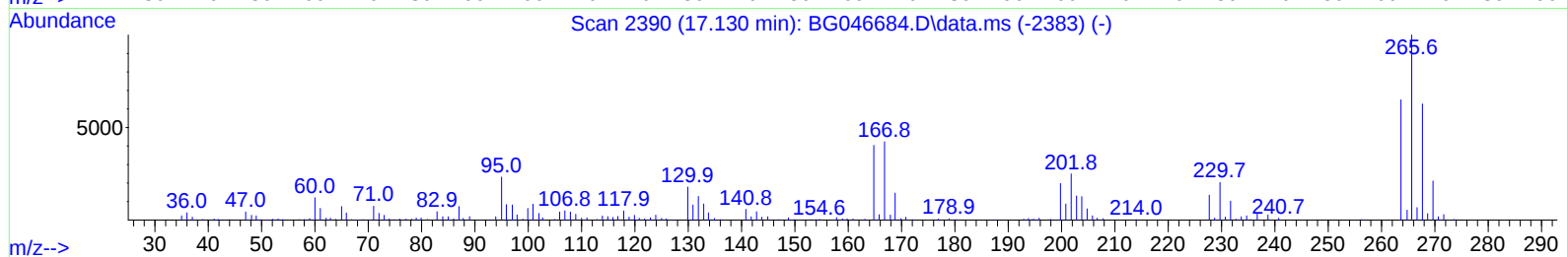
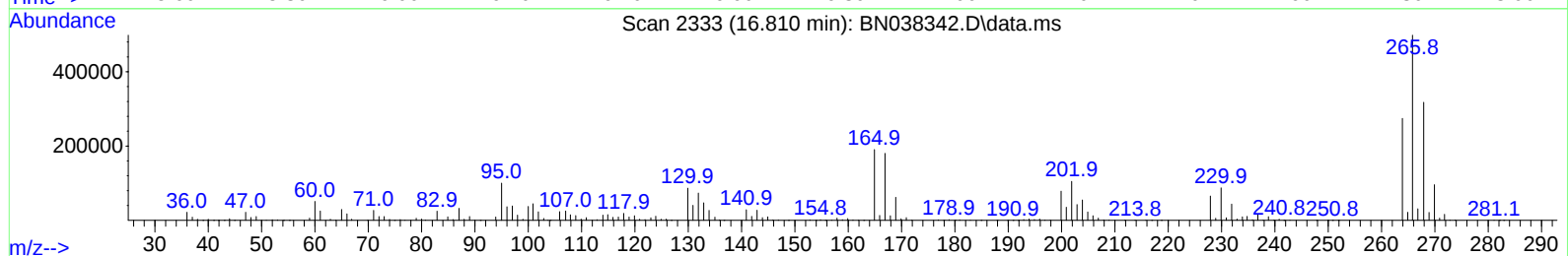
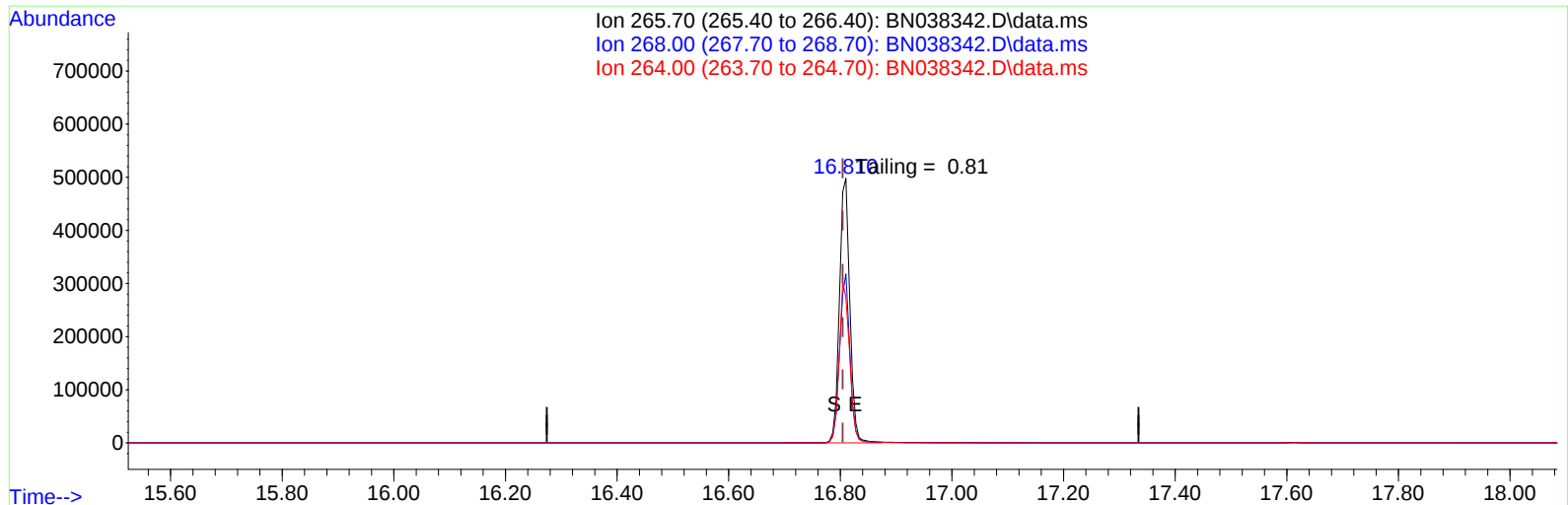
Date	Instrument Name	DFTPP Data File
12/12/2025	BNA_N	<u>BN038342.D</u>
Compound Name	Response	Retention Time
DDT	1615063	20.651
DDD	69905	20.21
DDE	2480	19.704
SUM(DDD+DDE)	SUM(DDT+DDD+DDE)	% Breakdown Of DDT
72385	1687448	4.29

Instrument :
BNA_N
ClientSampleId :
DFTPP

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN121225\
Data File : BN038342.D
Acq On : 12 Dec 2025 08:45
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
DFTPP

Quant Time: Dec 12 10:08:50 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270E-Tune.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Dec 12 03:10:04 2025
Response via : Initial Calibration



TIC: BN038342.D\data.ms

(70) Pentachlorophenol (C)

16.810min (+ 0.006) 224665.32 ng

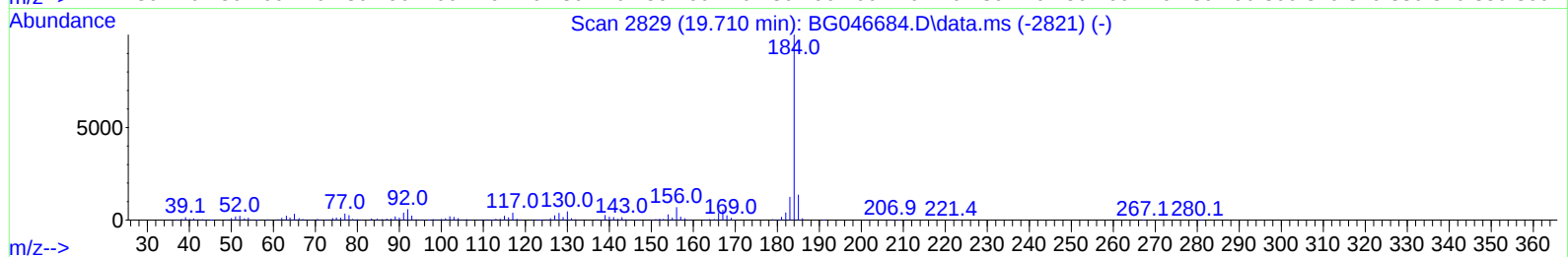
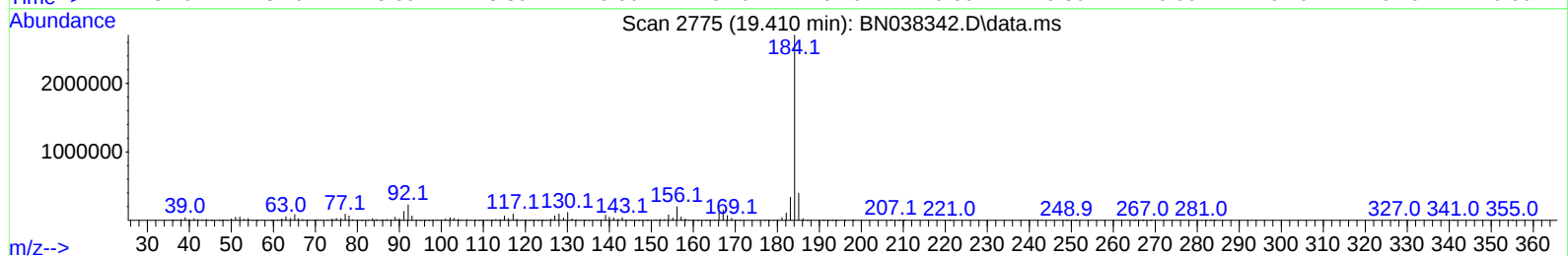
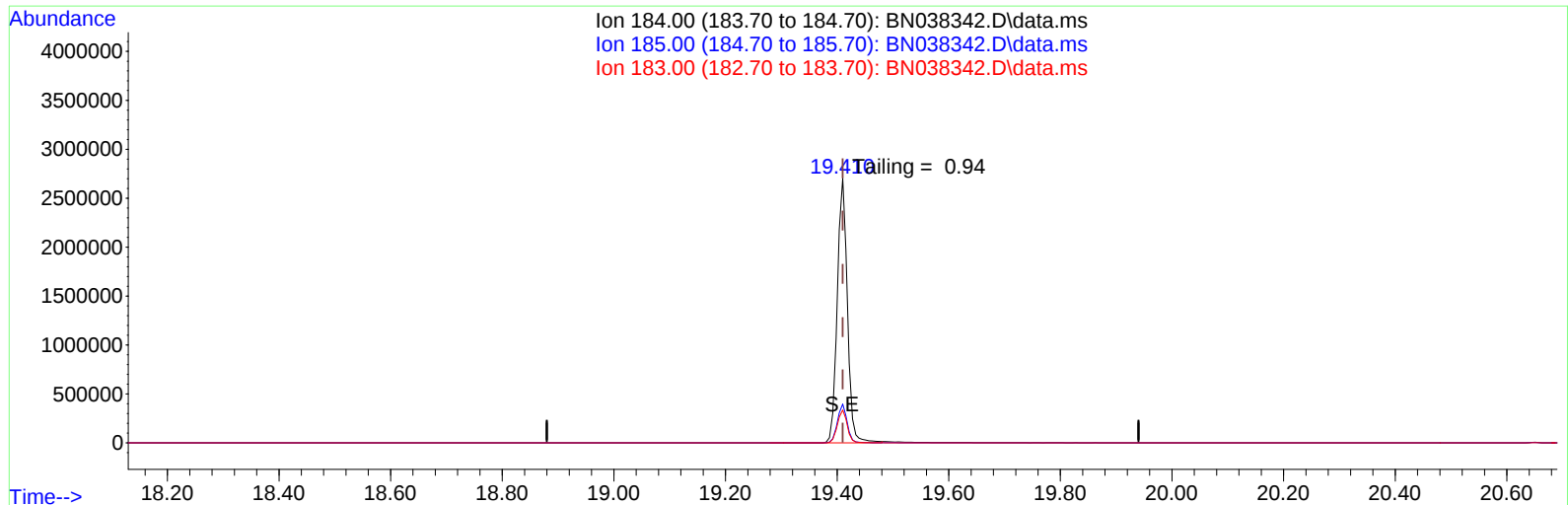
response 648827

Ion	Exp%	Act%
265.70	100.00	100.00
268.00	62.20	63.78
264.00	61.60	55.06
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN121225\
Data File : BN038342.D
Acq On : 12 Dec 2025 08:45
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
DFTPP

Quant Time: Dec 12 10:08:50 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270E-Tune.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Dec 12 03:10:04 2025
Response via : Initial Calibration



TIC: BN038342.D\data.ms

(77) Benzdine**19.410min (0.000) 4688.42 ng m****response 3400755**

Ion	Exp%	Act%
184.00	100.00	100.00
185.00	15.50	14.67
183.00	13.20	12.40
0.00	0.00	0.00



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

Report of Analysis

Client:	JACOBS Engineering Group, Inc.	Date Collected:	
Project:	Former Schlumberger STC PTC Site D3868221	Date Received:	
Client Sample ID:	PB170912BL	SDG No.:	Q3813
Lab Sample ID:	PB170912BL	Matrix:	Water
Analytical Method:	SW8270ESIM	% Solid:	0
Sample Wt/Vol:	1000 mL	Test:	SVOC-SIMGroup1
Prep Method :	3510C		
	Level: LOW		
	Final Vol: 1000 uL		
	Prep Date: 12/11/25		

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	12/12/25 10:00	PB170912
SURROGATES									
7297-45-2	2-Methylnaphthalene-d10	0.36			30 (47) - 150 (106)	90%	SPK: 0.4		
93951-69-0	Fluoranthene-d10	0.34			30 (54) - 150 (157)	86%	SPK: 0.4		
4165-60-0	Nitrobenzene-d5	0.39			30 (56) - 130 (116)	98%	SPK: 0.4		
321-60-8	2-Fluorobiphenyl	0.38			30 (50) - 130 (126)	96%	SPK: 0.4		
1718-51-0	Terphenyl-d14	0.43			30 (54) - 130 (175)	107%	SPK: 0.4		
INTERNAL STANDARDS									
		Area Count							
3855-82-1	1,4-Dichlorobenzene-d4	6580							
1146-65-2	Naphthalene-d8	16800							
15067-26-2	Acenaphthene-d10	8050							
1517-22-2	Phenanthrene-d10	12800							
1719-03-5	Chrysene-d12	8610							
1520-96-3	Perylene-d12	9320							

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\BN121225\
 Data File : BN038344.D
 Acq On : 12 Dec 2025 10:00
 Operator : RC/JU
 Sample : PB170912BL
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 PB170912BL

Quant Time: Dec 12 10:25:30 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN121025.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Dec 10 13:56:50 2025
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.717	152	6576	0.400	ng	0.00
7) Naphthalene-d8	10.520	136	16790	0.400	ng	#-0.01
13) Acenaphthene-d10	14.388	164	8053	0.400	ng	-0.01
19) Phenanthrene-d10	17.149	188	12820	0.400	ng	0.00
29) Chrysene-d12	21.340	240	8612	0.400	ng	0.00
35) Perylene-d12	23.630	264	9324	0.400	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.291	112	6016	0.367	ng	0.00
5) Phenol-d6	6.887	99	6712	0.345	ng	0.00
8) Nitrobenzene-d5	8.875	82	5576	0.394	ng	0.00
11) 2-Methylnaphthalene-d10	12.126	152	8585	0.362	ng	0.00
14) 2,4,6-Tribromophenol	15.895	330	451	0.126	ng	0.00
15) 2-Fluorobiphenyl	13.008	172	14887	0.384	ng	0.00
27) Fluoranthene-d10	19.183	212	10905	0.344	ng	0.00
31) Terphenyl-d14	19.787	244	8247	0.429	ng	0.00

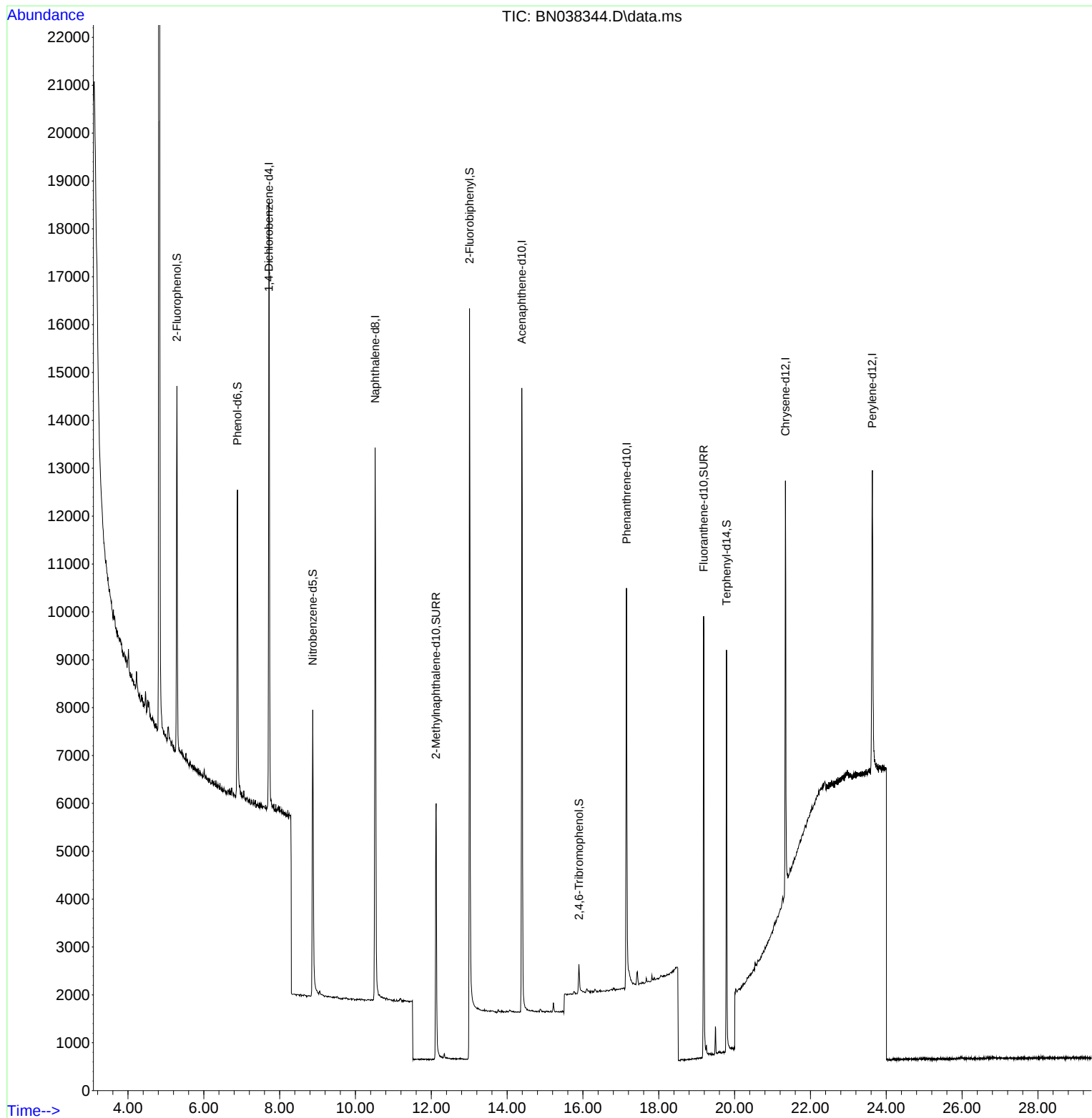
Target Compounds Qvalue

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

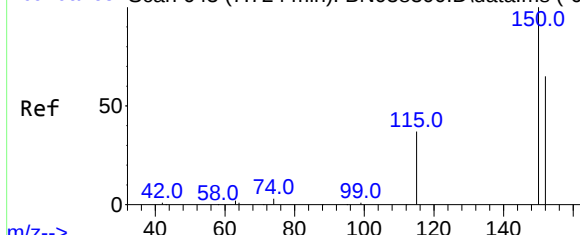
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN121225\
Data File : BN038344.D
Acq On : 12 Dec 2025 10:00
Operator : RC/JU
Sample : PB170912BL
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
PB170912BL

Quant Time: Dec 12 10:25:30 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN121025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Dec 10 13:56:50 2025
Response via : Initial Calibration



Abundance Scan 643 (7.724 min): BN038300.D\data.ms (-63



#1

1,4-Dichlorobenzene-d4

Concen: 0.400 ng

RT: 7.717 min Scan# 64

Delta R.T. -0.007 min

Lab File: BN038344.D

Acq: 12 Dec 2025 10:00

Instrument :

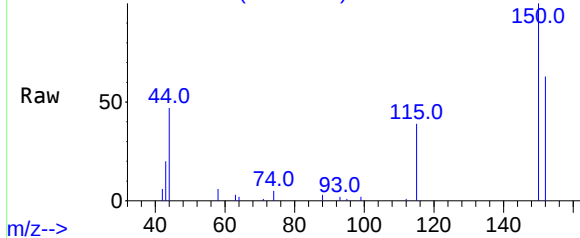
BNA_N

ClientSampleId :

PB170912BL

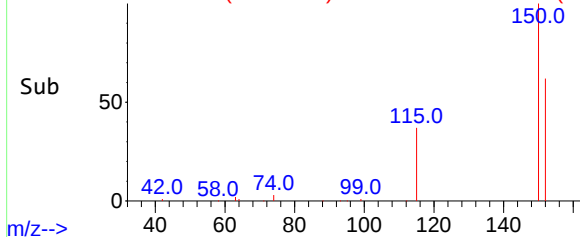
m/z-->

Abundance Scan 642 (7.717 min): BN038344.D\data.ms



m/z-->

Abundance Scan 642 (7.717 min): BN038344.D\data.ms (-61



m/z-->

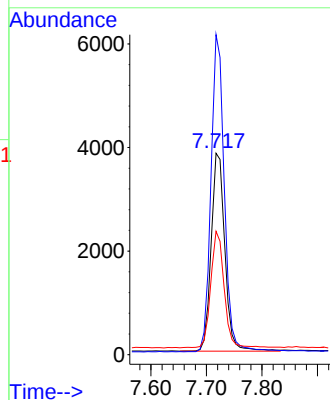
Tgt Ion:152 Resp: 6576

Ion Ratio Lower Upper

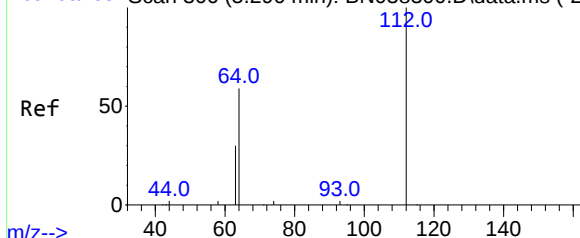
152 100

150 158.9 122.4 183.6

115 61.3 47.3 70.9

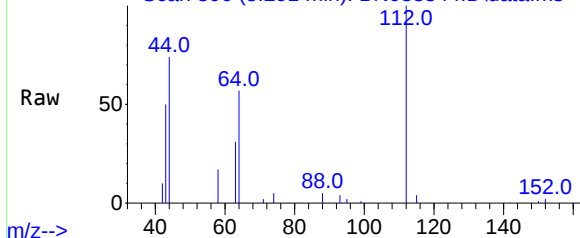


Abundance Scan 306 (5.290 min): BN038300.D\data.ms (-29



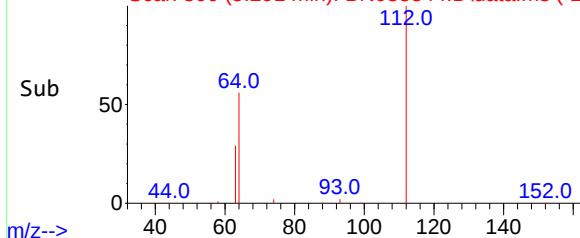
m/z-->

Abundance Scan 306 (5.291 min): BN038344.D\data.ms



m/z-->

Abundance Scan 306 (5.291 min): BN038344.D\data.ms (-27



m/z-->

#4

2-Fluorophenol

Concen: 0.367 ng

RT: 5.291 min Scan# 306

Delta R.T. 0.000 min

Lab File: BN038344.D

Acq: 12 Dec 2025 10:00

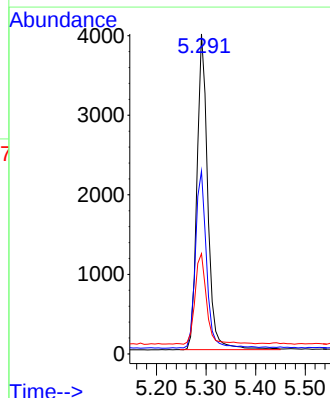
Tgt Ion:112 Resp: 6016

Ion Ratio Lower Upper

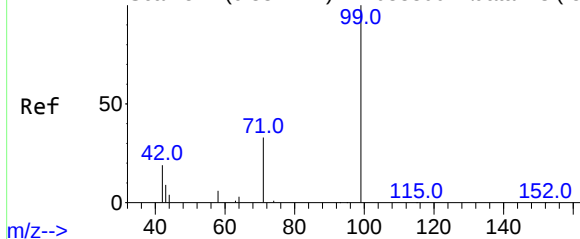
112 100

64 57.5 44.4 66.6

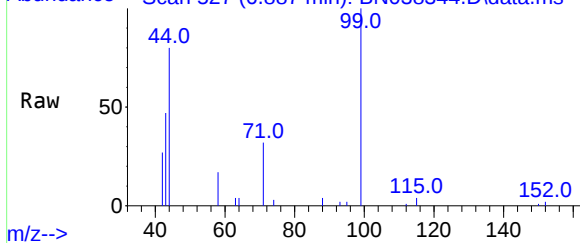
63 30.2 23.4 35.0



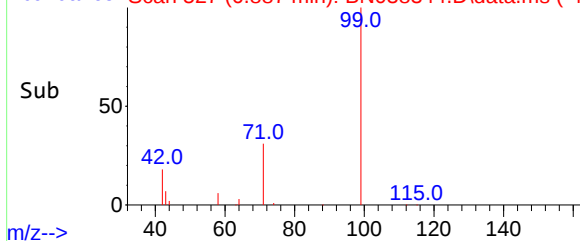
Abundance Scan 527 (6.887 min): BN038300.D\data.ms (-52



m/z--> Abundance Scan 527 (6.887 min): BN038344.D\data.ms



m/z--> Abundance Scan 527 (6.887 min): BN038344.D\data.ms (-49



#5

Phenol-d6

Concen: 0.345 ng

RT: 6.887 min Scan# 51

Delta R.T. 0.000 min

Lab File: BN038344.D

Acq: 12 Dec 2025 10:00

Instrument :

BNA_N

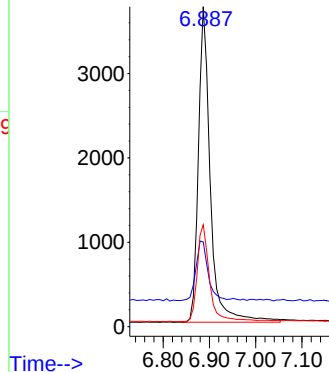
ClientSampleId :

PB170912BL

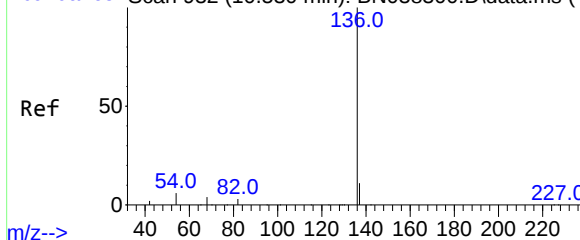
Tgt Ion: 99 Resp: 6712

Ion	Ratio	Lower	Upper
99	100		
42	19.3	16.5	24.7
71	31.3	24.9	37.3

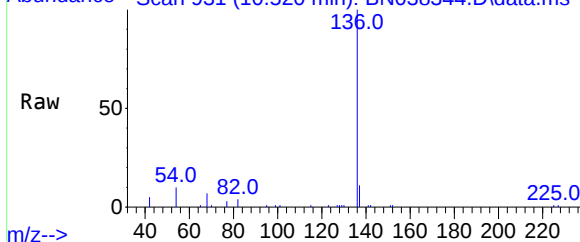
Abundance



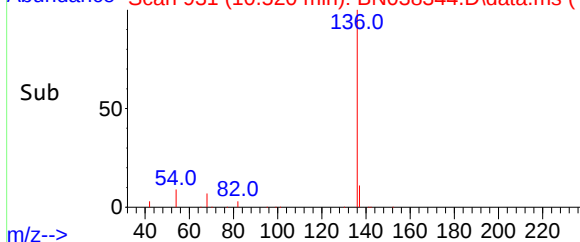
Abundance Scan 932 (10.530 min): BN038300.D\data.ms (-9



m/z--> Abundance Scan 931 (10.520 min): BN038344.D\data.ms



m/z--> Abundance Scan 931 (10.520 min): BN038344.D\data.ms (-9



#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.520 min Scan# 931

Delta R.T. -0.011 min

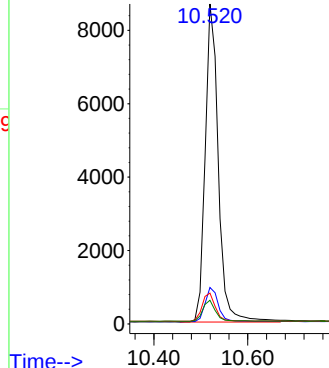
Lab File: BN038344.D

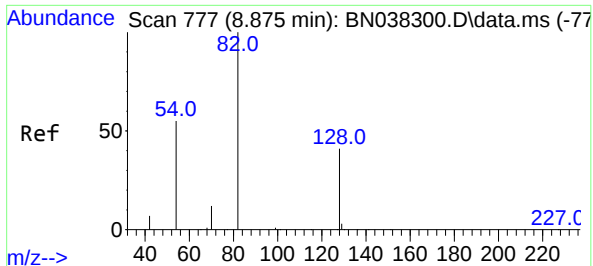
Acq: 12 Dec 2025 10:00

Tgt Ion: 136 Resp: 16790

Ion	Ratio	Lower	Upper
136	100		
137	11.4	9.1	13.7
54	9.7	5.2	7.8#
68	7.4	4.1	6.1#

Abundance

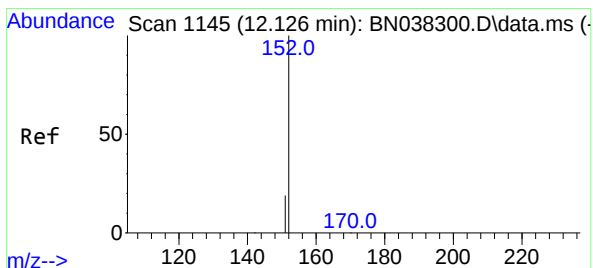
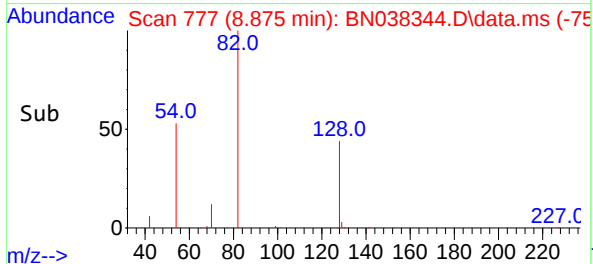
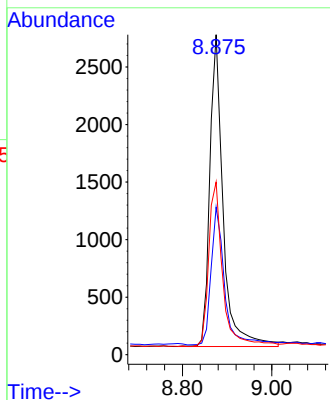
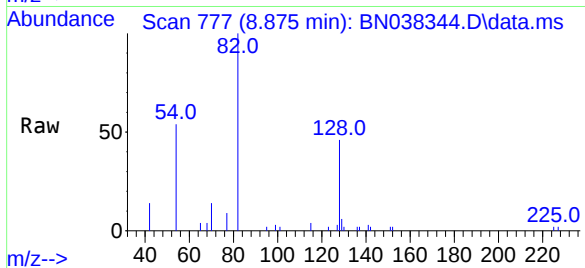




#8
Nitrobenzene-d5
Concen: 0.394 ng
RT: 8.875 min Scan# 777
Delta R.T. 0.000 min
Lab File: BN038344.D
Acq: 12 Dec 2025 10:00

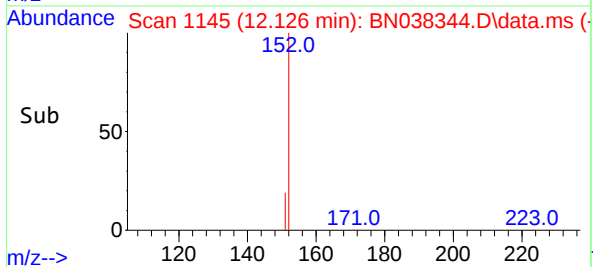
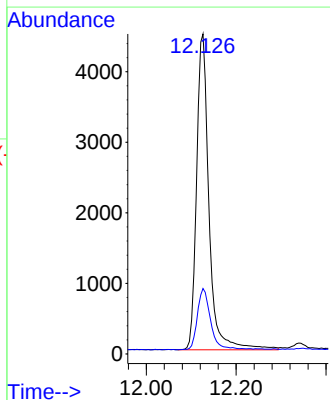
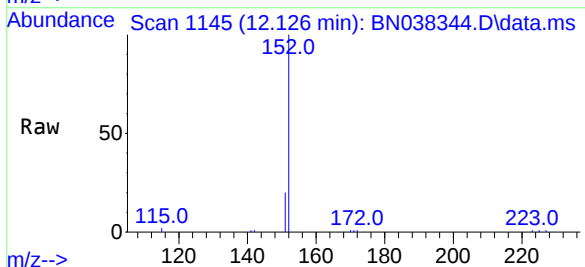
Instrument :
BNA_N
ClientSampleId :
PB170912BL

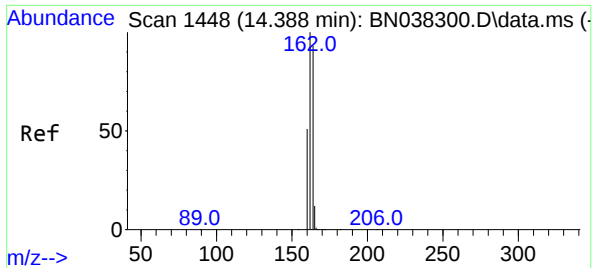
Tgt Ion: 82 Resp: 5576
Ion Ratio Lower Upper
82 100
128 46.1 34.0 51.0
54 53.9 44.4 66.6



#11
2-Methylnaphthalene-d10
Concen: 0.362 ng
RT: 12.126 min Scan# 1145
Delta R.T. 0.000 min
Lab File: BN038344.D
Acq: 12 Dec 2025 10:00

Tgt Ion: 152 Resp: 8585
Ion Ratio Lower Upper
152 100
151 20.7 17.0 25.6

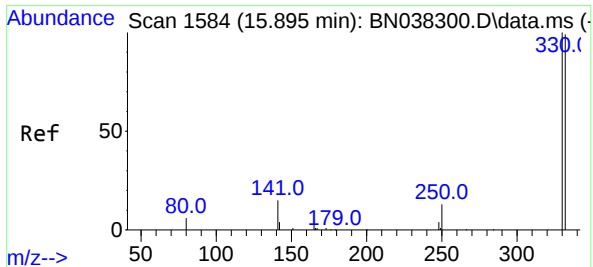
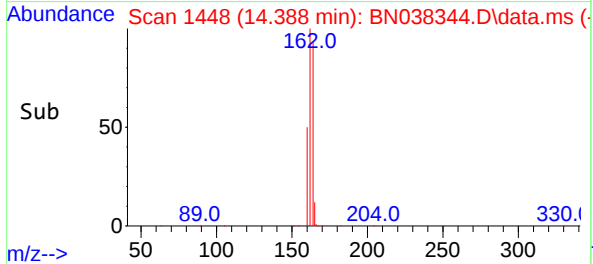
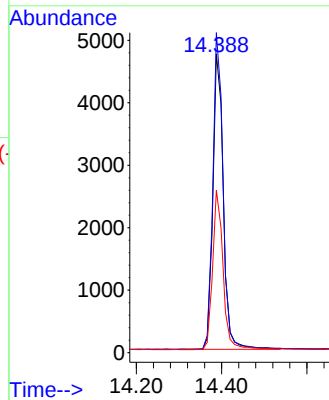
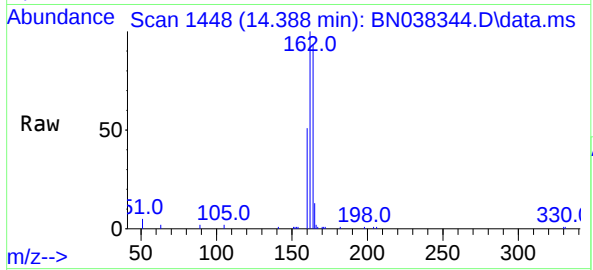




#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.388 min Scan# 1448
Delta R.T. -0.011 min
Lab File: BN038344.D
Acq: 12 Dec 2025 10:00

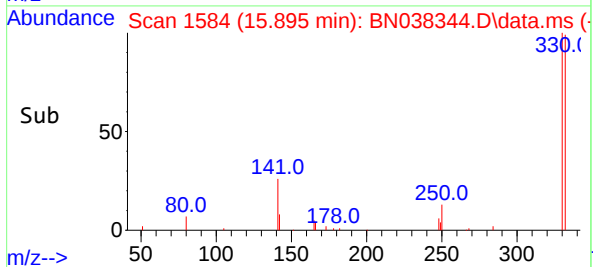
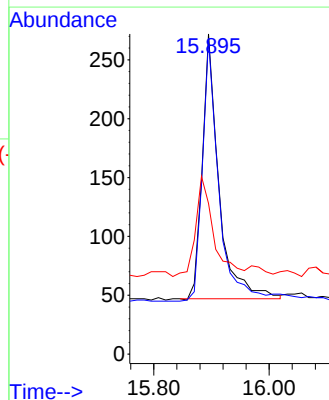
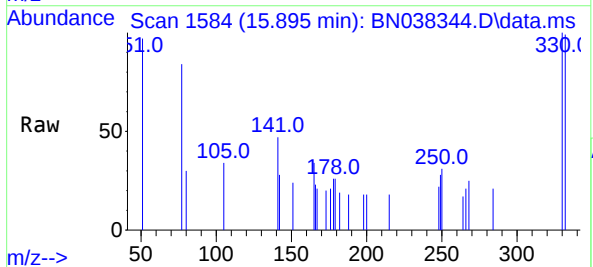
Instrument :
BNA_N
ClientSampleId :
PB170912BL

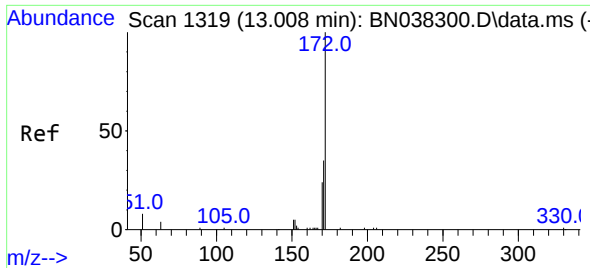
Tgt Ion:164 Resp: 8053
Ion Ratio Lower Upper
164 100
162 107.1 86.2 129.4
160 54.4 44.6 67.0



#14
2,4,6-Tribromophenol
Concen: 0.126 ng
RT: 15.895 min Scan# 1584
Delta R.T. 0.000 min
Lab File: BN038344.D
Acq: 12 Dec 2025 10:00

Tgt Ion:330 Resp: 451
Ion Ratio Lower Upper
330 100
332 99.8 75.8 113.6
141 40.4 31.8 47.8

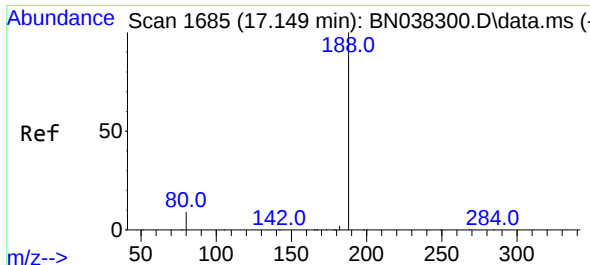
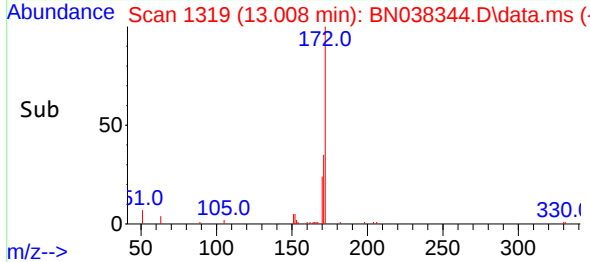
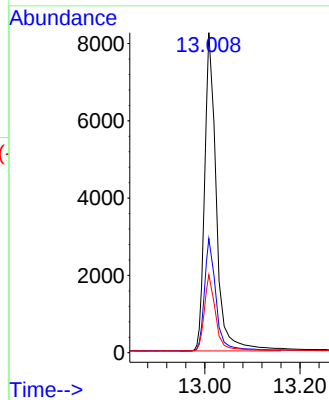
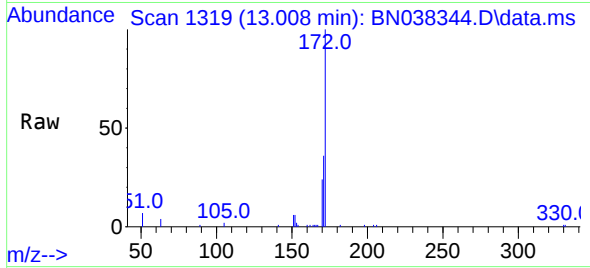




#15
2-Fluorobiphenyl
Concen: 0.384 ng
RT: 13.008 min Scan# 1319
Delta R.T. 0.000 min
Lab File: BN038344.D
Acq: 12 Dec 2025 10:00

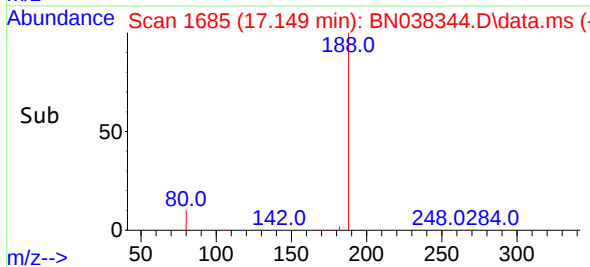
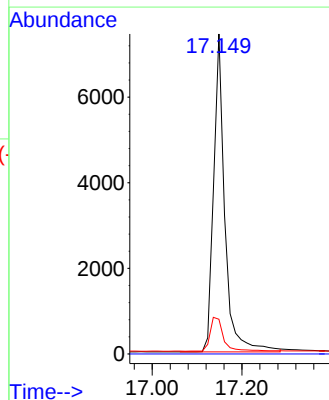
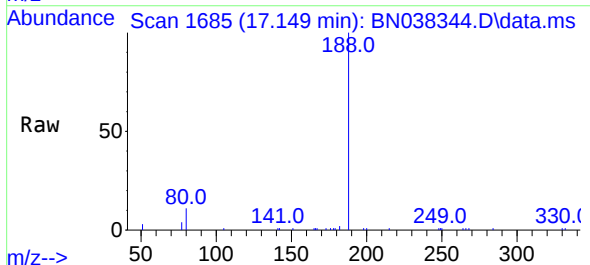
Instrument :
BNA_N
ClientSampleId :
PB170912BL

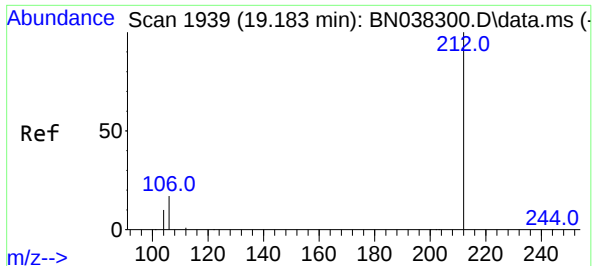
Tgt Ion:	172	Resp:	14887
Ion	Ratio	Lower	Upper
172	100		
171	35.7	28.6	42.8
170	24.4	19.3	28.9



#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.149 min Scan# 1685
Delta R.T. 0.000 min
Lab File: BN038344.D
Acq: 12 Dec 2025 10:00

Tgt Ion:	188	Resp:	12820
Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	10.9	7.4	11.0

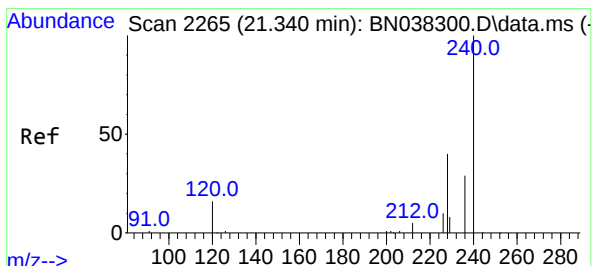
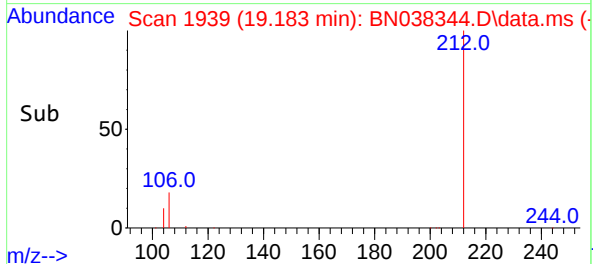
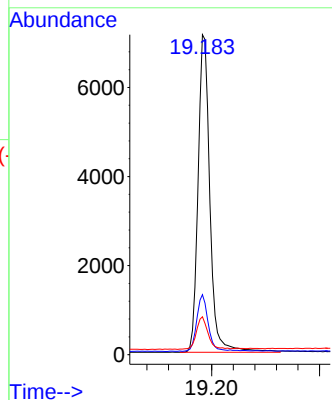
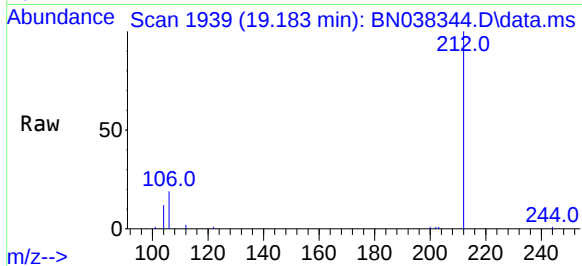




#27
Fluoranthene-d10
Concen: 0.344 ng
RT: 19.183 min Scan# 1939
Delta R.T. -0.005 min
Lab File: BN038344.D
Acq: 12 Dec 2025 10:00

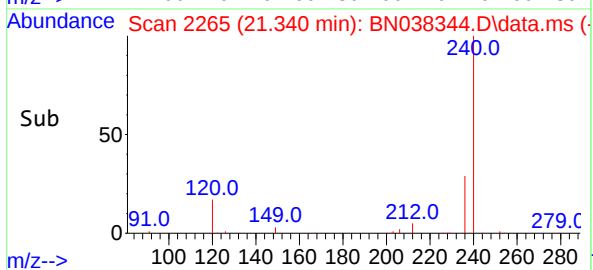
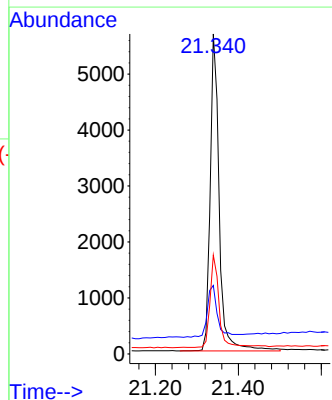
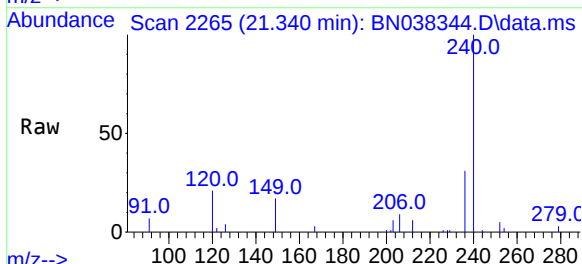
Instrument :
BNA_N
ClientSampleId :
PB170912BL

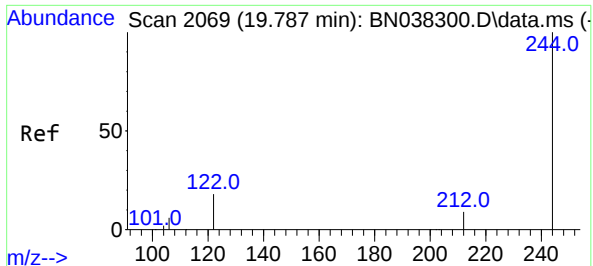
Tgt Ion	Ratio	Lower	Upper
212	100		
106	17.3	13.7	20.5
104	10.0	7.8	11.8



#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.340 min Scan# 2265
Delta R.T. 0.000 min
Lab File: BN038344.D
Acq: 12 Dec 2025 10:00

Tgt Ion	Ratio	Lower	Upper
240	100		
120	21.4	15.4	23.2
236	30.9	23.9	35.9

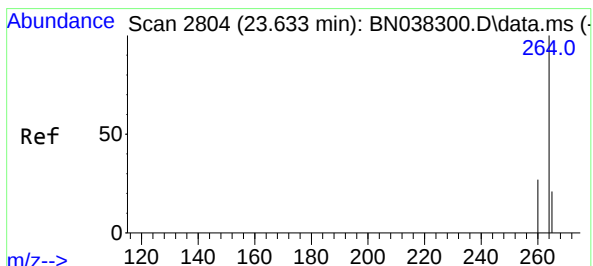
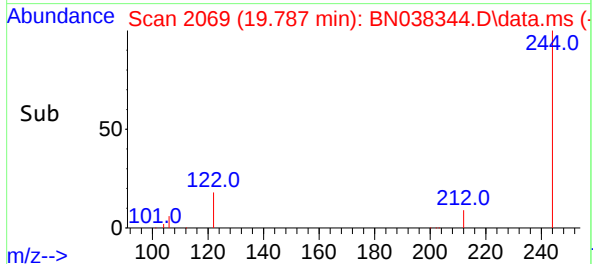
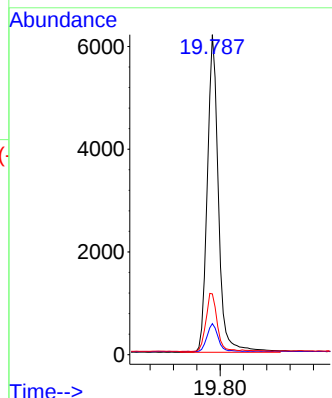
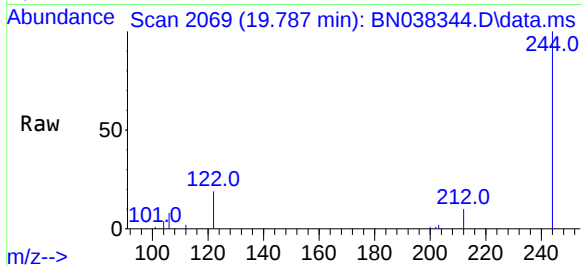




#31
Terphenyl-d14
Concen: 0.429 ng
RT: 19.787 min Scan# 2069
Delta R.T. -0.005 min
Lab File: BN038344.D
Acq: 12 Dec 2025 10:00

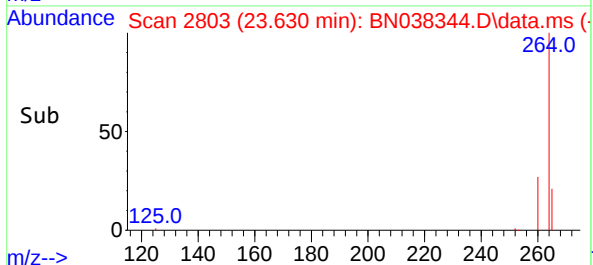
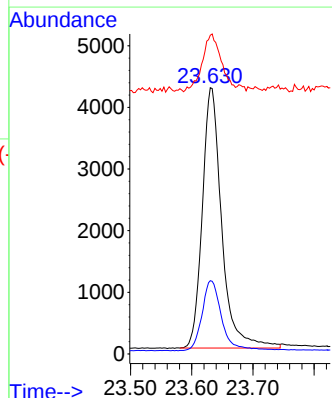
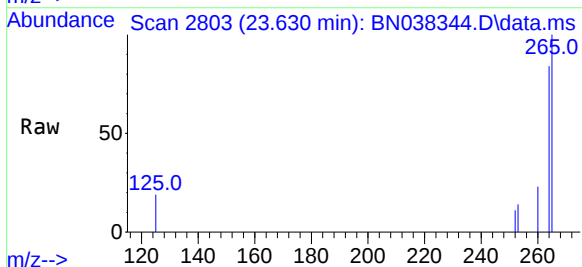
Instrument :
BNA_N
ClientSampleId :
PB170912BL

Tgt Ion	Ratio	Lower	Upper
244	100		
212	9.7	7.9	11.9
122	19.0	15.0	22.6



#35
Perylene-d12
Concen: 0.400 ng
RT: 23.630 min Scan# 2803
Delta R.T. -0.003 min
Lab File: BN038344.D
Acq: 12 Dec 2025 10:00

Tgt Ion	Ratio	Lower	Upper
264	100		
260	27.5	22.2	33.2
265	119.7	80.2	120.2





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

Report of Analysis

Client:	JACOBS Engineering Group, Inc.	Date Collected:	
Project:	Former Schlumberger STC PTC Site D3868221	Date Received:	
Client Sample ID:	PB170912BS	SDG No.:	Q3813
Lab Sample ID:	PB170912BS	Matrix:	Water
Analytical Method:	SW8270ESIM	% Solid:	0
Sample Wt/Vol:	1000 mL	Test:	SVOC-SIMGroup1
Prep Method :	3510C		
	Level: LOW		
	Final Vol: 1000 uL		
	Prep Date: 12/11/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
TARGETS									
123-91-1	1,4-Dioxane	0.29		1	0.070	0.20	ug/L	12/12/25 18:27	PB170912
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)	82%	SPK: 0.4		
4165-60-0	Nitrobenzene-d5	0.39			30 (56) - 130 (116)	97%	SPK: 0.4		
321-60-8	2-Fluorobiphenyl	0.43			30 (50) - 130 (126)	108%	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	6160							
1146-65-2	Naphthalene-d8	16000							
15067-26-2	Acenaphthene-d10	7790							
1517-22-2	Phenanthrene-d10	13200							
1719-03-5	Chrysene-d12	8480							
1520-96-3	Perylene-d12	8950							

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\BN121225\
 Data File : BN038357.D
 Acq On : 12 Dec 2025 18:27
 Operator : RC/JU
 Sample : PB170912BS
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :

BNA_N

ClientSampleId :

PB170912BS

Manual Integrations**APPROVED**

Reviewed By :Rahul Chavli 12/15/2025

Supervised By :Jagrut Upadhyay 12/15/2025

Quant Time: Dec 13 02:09:13 2025

Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN121025.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Wed Dec 10 13:56:50 2025

Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.717	152	6159	0.400	ng	0.00
7) Naphthalene-d8	10.520	136	16009	0.400	ng	#-0.01
13) Acenaphthene-d10	14.388	164	7792	0.400	ng	-0.01
19) Phenanthrene-d10	17.149	188	13155	0.400	ng	0.00
29) Chrysene-d12	21.340	240	8480	0.400	ng	0.00
35) Perylene-d12	23.625	264	8947	0.400	ng	# 0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.291	112	5525	0.360	ng	0.00
5) Phenol-d6	6.887	99	6254	0.343	ng	0.00
8) Nitrobenzene-d5	8.875	82	5244	0.388	ng	0.00
11) 2-Methylnaphthalene-d10	12.121	152	8204m	0.363	ng	0.00
14) 2,4,6-Tribromophenol	15.883	330	944	0.273	ng	-0.01
15) 2-Fluorobiphenyl	13.009	172	16230	0.432	ng	0.00
27) Fluoranthene-d10	19.183	212	10641	0.327	ng	0.00
31) Terphenyl-d14	19.782	244	8141	0.430	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.196	88	2073	0.294	ng	# 57
3) n-Nitrosodimethylamine	3.507	42	2894	0.327	ng	# 95
6) bis(2-Chloroethyl)ether	7.139	93	5934	0.333	ng	98
9) Naphthalene	10.573	128	16000	0.338	ng	99
10) Hexachlorobutadiene	10.872	225	2793	0.332	ng	# 98
12) 2-Methylnaphthalene	12.197	142	9171	0.305	ng	99
16) Acenaphthylene	14.110	152	14230	0.372	ng	100
17) Acenaphthene	14.452	154	8645	0.324	ng	99
18) Fluorene	15.446	166	11335	0.330	ng	98
20) 4,6-Dinitro-2-methylph...	15.523	198	217	0.100	ng	# 13
21) 4-Bromophenyl-phenylether	16.342	248	3145	0.322	ng	93
22) Hexachlorobenzene	16.453	284	4007	0.342	ng	99
23) Atrazine	16.615	200	2150	0.323	ng	99
24) Pentachlorophenol	16.801	266	1260	0.275	ng	98
25) Phenanthrene	17.186	178	15862	0.346	ng	100
26) Anthracene	17.273	178	13583	0.344	ng	100
28) Fluoranthene	19.211	202	15139	0.311	ng	99
30) Pyrene	19.573	202	15342	0.367	ng	100
32) Benzo(a)anthracene	21.322	228	11503	0.351	ng	98
33) Chrysene	21.375	228	12406	0.344	ng	99
34) Bis(2-ethylhexyl)phtha...	21.259	149	5420	0.302	ng	100
36) Indeno(1,2,3-cd)pyrene	25.946	276	17589	0.370	ng	100
37) Benzo(b)fluoranthene	22.932	252	13100	0.319	ng	96
38) Benzo(k)fluoranthene	22.978	252	13592	0.332	ng	94
39) Benzo(a)pyrene	23.522	252	11710	0.348	ng	96
40) Dibenzo(a,h)anthracene	25.964	278	13361	0.365	ng	98
41) Benzo(g,h,i)perylene	26.651	276	15315	0.374	ng	99

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

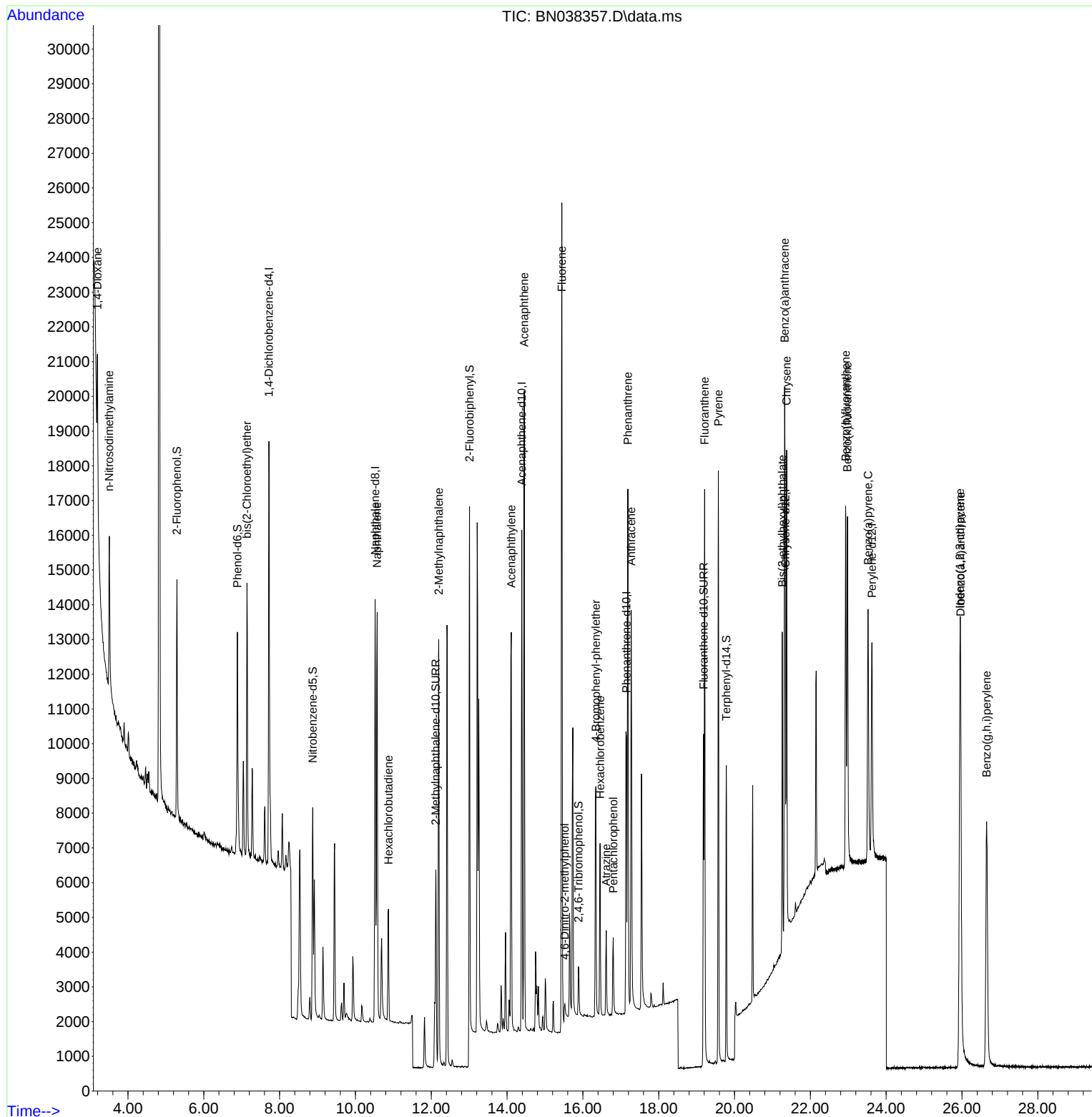
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN121225\
Data File : BN038357.D
Acq On : 12 Dec 2025 18:27
Operator : RC/JU
Sample : PB170912BS
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
PB170912BS

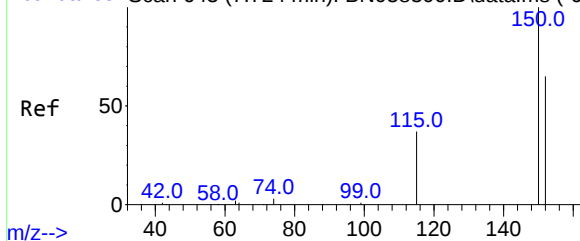
Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 12/15/2025
Supervised By :Jagrut Upadhyay 12/15/2025

Quant Time: Dec 13 02:09:13 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN121025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Dec 10 13:56:50 2025
Response via : Initial Calibration



Abundance Scan 643 (7.724 min): BN038300.D\data.ms (-63



#1

1,4-Dichlorobenzene-d4

Concen: 0.400 ng

RT: 7.717 min Scan# 64

Delta R.T. -0.007 min

Lab File: BN038357.D

Acq: 12 Dec 2025 18:27

Instrument :

BNA_N

ClientSampleId :

PB170912BS

Tgt Ion:152 Resp: 615

Ion Ratio Lower Upper

152 100

150 155.4 122.4 183.6

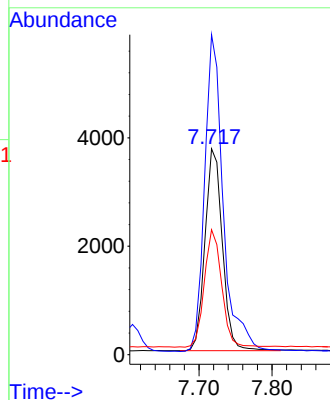
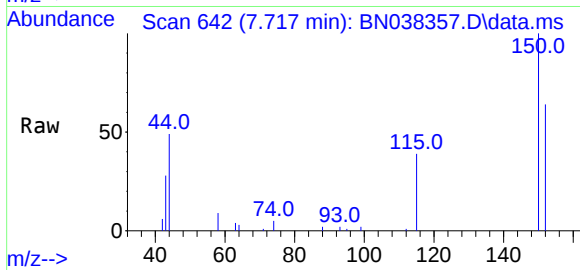
115 60.7 47.3 70.9

Manual Integrations

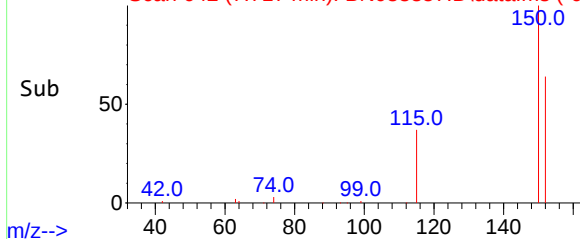
APPROVED

Reviewed By :Rahul Chavli 12/15/2025

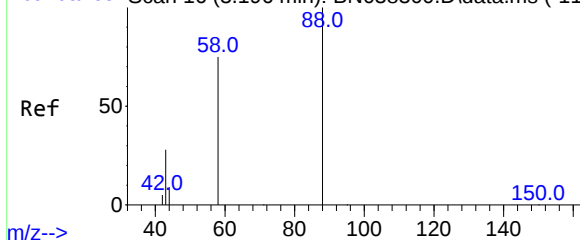
Supervised By :Jagrut Upadhyay 12/15/2025



Abundance Scan 642 (7.717 min): BN038357.D\data.ms (-61



Abundance Scan 16 (3.196 min): BN038300.D\data.ms (-11)



#2

1,4-Dioxane

Concen: 0.294 ng

RT: 3.196 min Scan# 16

Delta R.T. 0.000 min

Lab File: BN038357.D

Acq: 12 Dec 2025 18:27

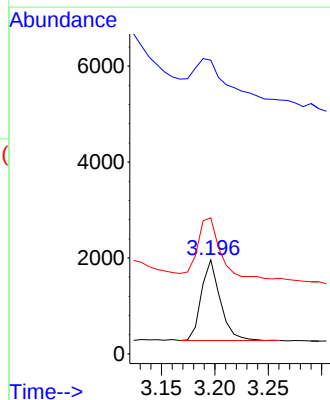
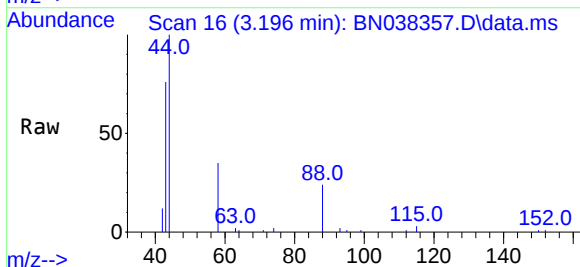
Tgt Ion: 88 Resp: 2073

Ion Ratio Lower Upper

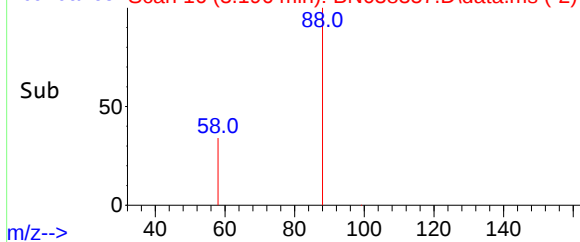
88 100

43 90.5 24.9 37.3

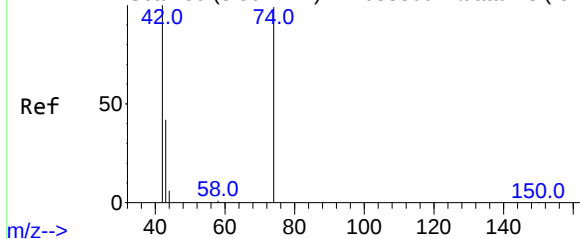
58 90.6 61.4 92.0



Abundance Scan 16 (3.196 min): BN038357.D\data.ms (-2)



Abundance Scan 59 (3.507 min): BN038300.D\data.ms (-52)



#3

n-Nitrosodimethylamine

Concen: 0.327 ng

RT: 3.507 min Scan# 59

Delta R.T. 0.007 min

Lab File: BN038357.D

Acq: 12 Dec 2025 18:27

Instrument :

BNA_N

ClientSampleId :

PB170912BS

Tgt Ion: 42 Resp: 2894

Ion Ratio Lower Upper

42 100

74 122.8 95.3 142.9

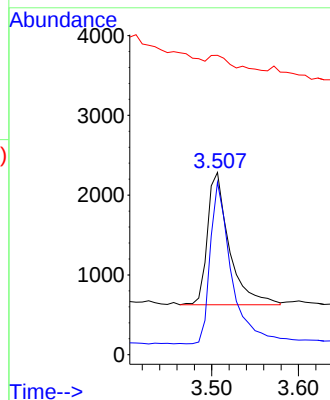
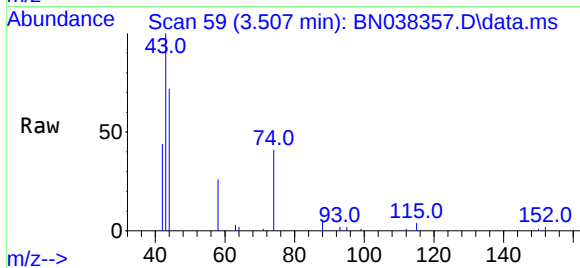
44 0.0 7.9 11.9

Manual Integrations

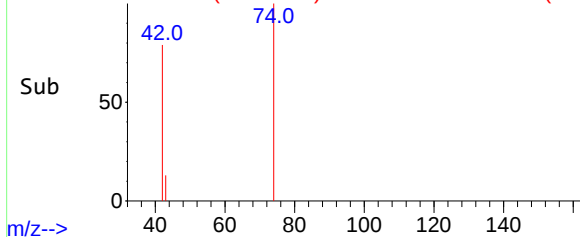
APPROVED

Reviewed By :Rahul Chavli 12/15/2025

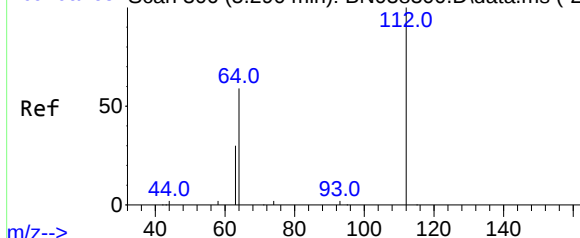
Supervised By :Jagrut Upadhyay 12/15/2025



Abundance Scan 59 (3.507 min): BN038357.D\data.ms (-37)



Abundance Scan 306 (5.291 min): BN038300.D\data.ms (-29)



#4

2-Fluorophenol

Concen: 0.360 ng

RT: 5.291 min Scan# 306

Delta R.T. 0.000 min

Lab File: BN038357.D

Acq: 12 Dec 2025 18:27

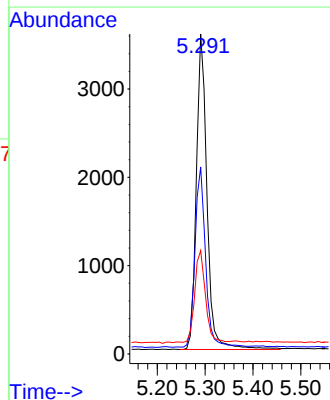
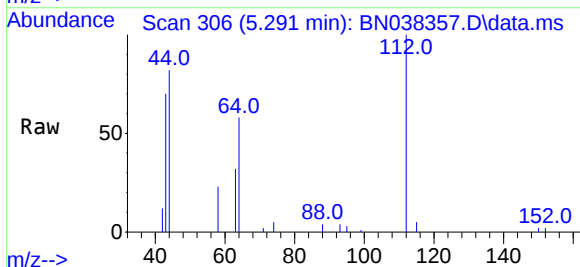
Tgt Ion:112 Resp: 5525

Ion Ratio Lower Upper

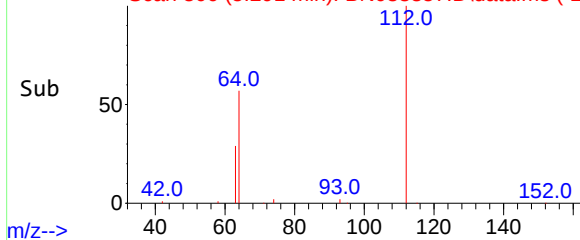
112 100

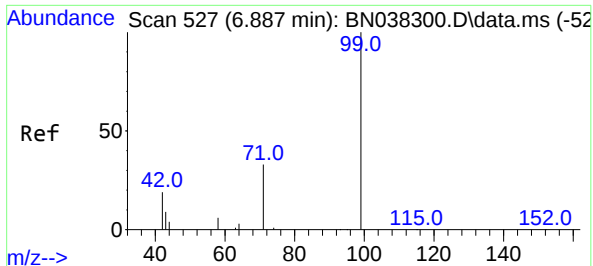
64 56.7 44.4 66.6

63 29.4 23.4 35.0



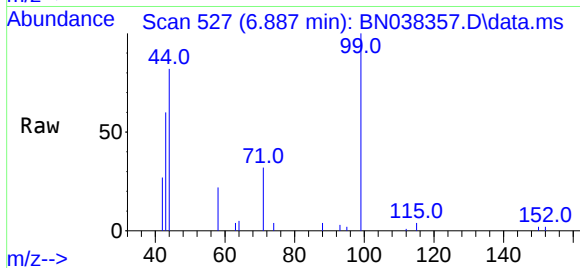
Abundance Scan 306 (5.291 min): BN038357.D\data.ms (-27)





#5
Phenol-d6
Concen: 0.343 ng
RT: 6.887 min Scan# 51
Delta R.T. 0.000 min
Lab File: BN038357.D
Acq: 12 Dec 2025 18:27

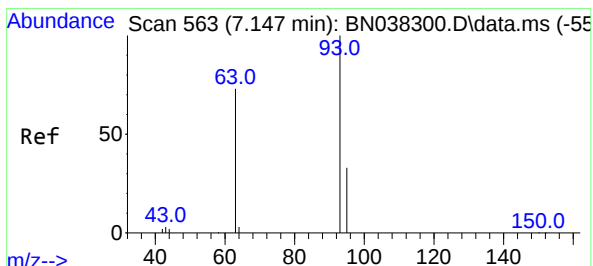
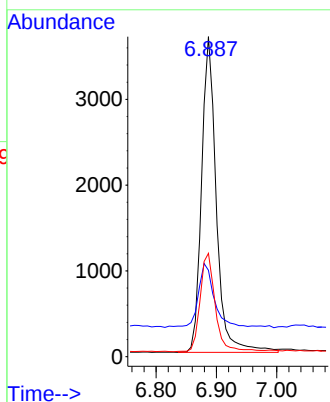
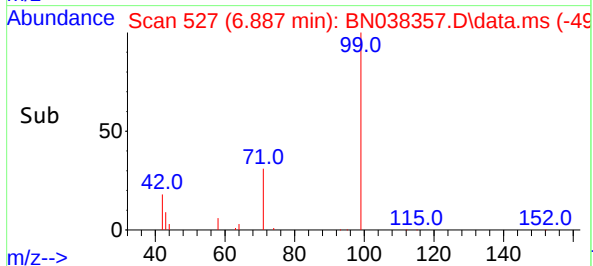
Instrument :
BNA_N
ClientSampleId :
PB170912BS



Tgt Ion: 99 Resp: 6254
Ion Ratio Lower Upper
99 100
42 21.8 16.5 24.7
71 31.9 24.9 37.3

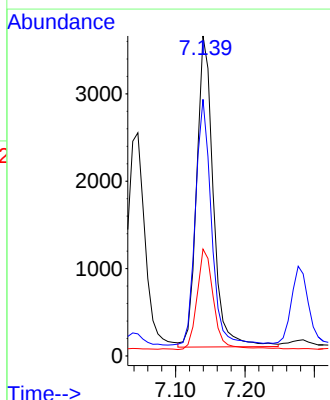
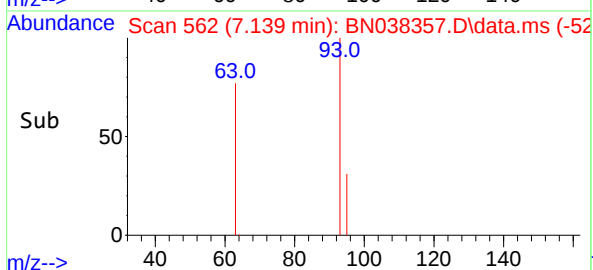
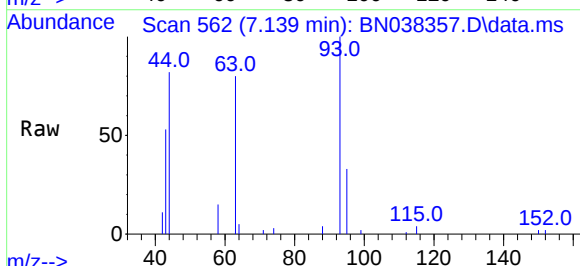
Manual Integrations
APPROVED

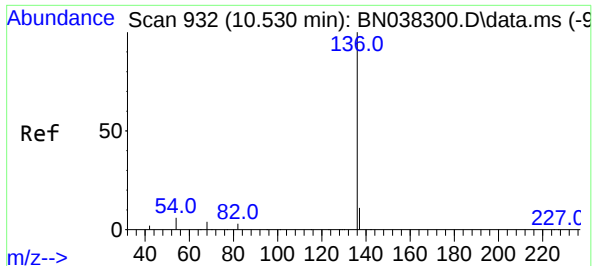
Reviewed By :Rahul Chavli 12/15/2025
Supervised By :Jagrut Upadhyay 12/15/2025



#6
bis(2-Chloroethyl)ether
Concen: 0.333 ng
RT: 7.139 min Scan# 562
Delta R.T. -0.007 min
Lab File: BN038357.D
Acq: 12 Dec 2025 18:27

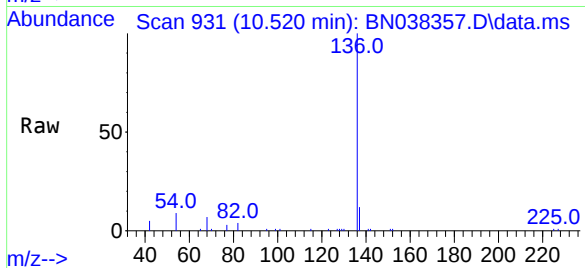
Tgt Ion: 93 Resp: 5934
Ion Ratio Lower Upper
93 100
63 76.2 59.2 88.8
95 32.5 25.2 37.8





#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.520 min Scan# 91
Delta R.T. -0.011 min
Lab File: BN038357.D
Acq: 12 Dec 2025 18:27

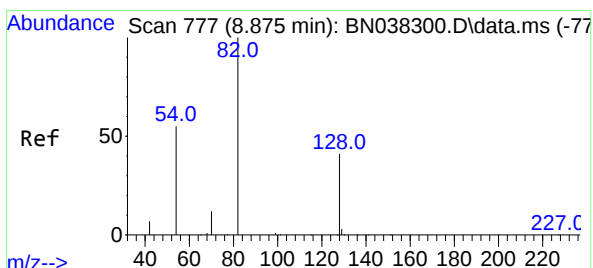
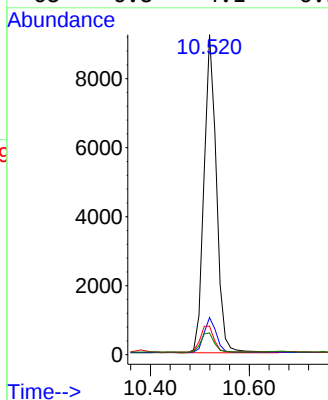
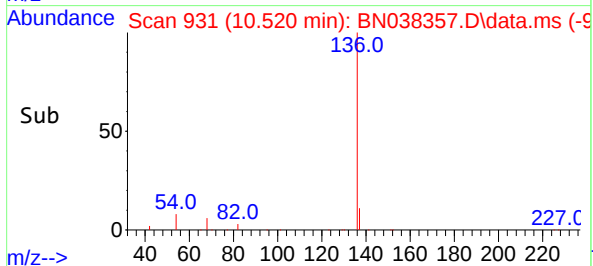
Instrument :
BNA_N
ClientSampleId :
PB170912BS



Tgt Ion:136 Resp: 16009
Ion Ratio Lower Upper
136 100
137 11.6 9.1 13.7
54 8.9 5.2 7.8
68 6.8 4.1 6.1

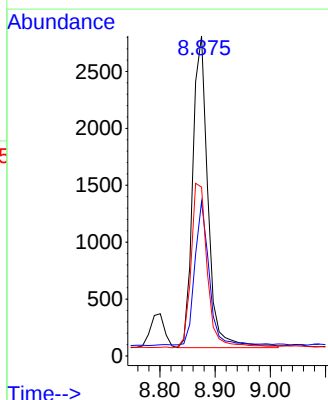
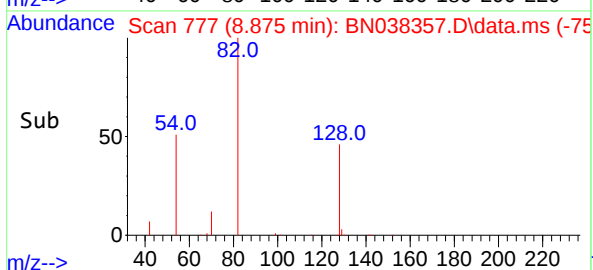
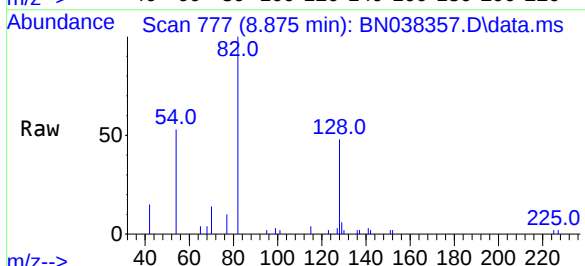
Manual Integrations
APPROVED

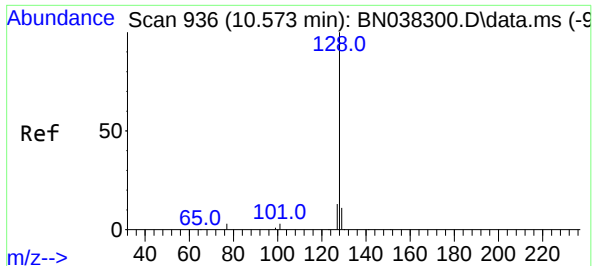
Reviewed By :Rahul Chavli 12/15/2025
Supervised By :Jagrut Upadhyay 12/15/2025



#8
Nitrobenzene-d5
Concen: 0.388 ng
RT: 8.875 min Scan# 777
Delta R.T. 0.000 min
Lab File: BN038357.D
Acq: 12 Dec 2025 18:27

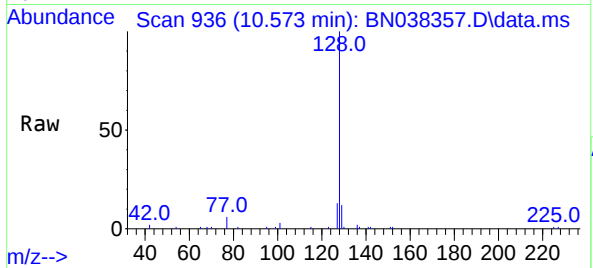
Tgt Ion: 82 Resp: 5244
Ion Ratio Lower Upper
82 100
128 48.3 34.0 51.0
54 52.8 44.4 66.6





#9
Naphthalene
Concen: 0.338 ng
RT: 10.573 min Scan# 911
Delta R.T. 0.000 min
Lab File: BN038357.D
Acq: 12 Dec 2025 18:27

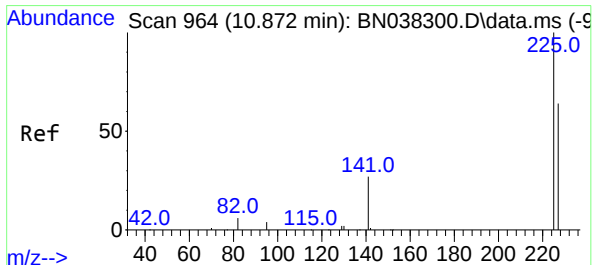
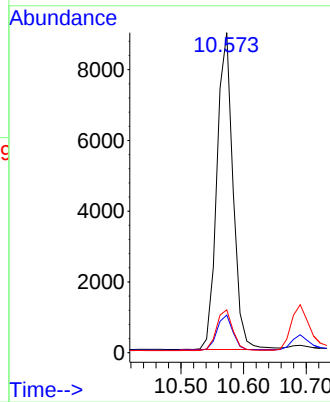
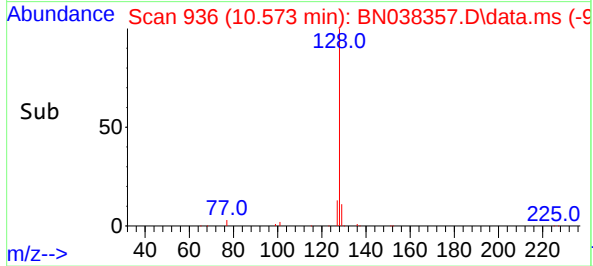
Instrument :
BNA_N
ClientSampleId :
PB170912BS



Tgt Ion:128 Resp: 16000
Ion Ratio Lower Upper
128 100
129 11.7 9.1 13.7
127 13.4 10.9 16.3

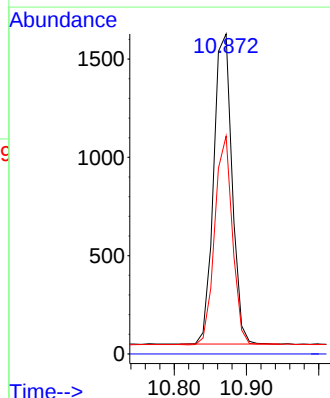
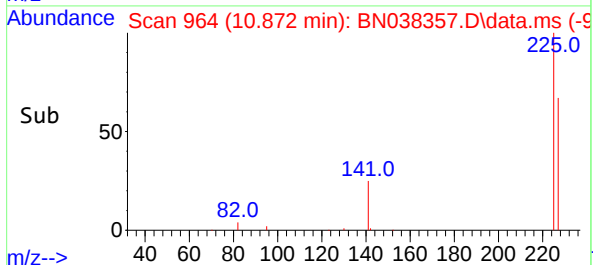
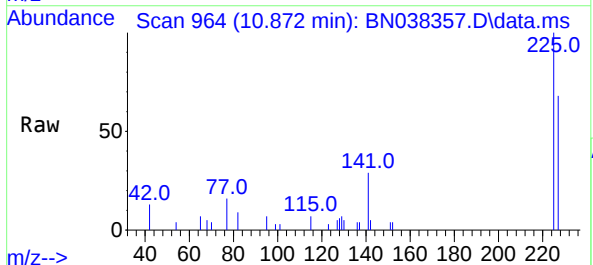
Manual Integrations
APPROVED

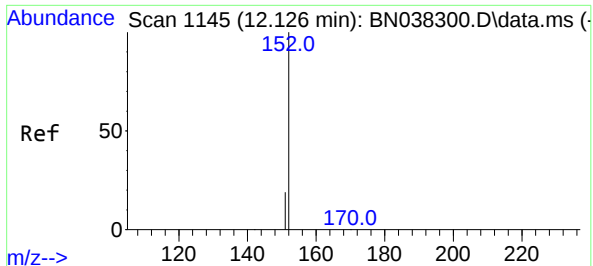
Reviewed By :Rahul Chavli 12/15/2025
Supervised By :Jagrut Upadhyay 12/15/2025



#10
Hexachlorobutadiene
Concen: 0.332 ng
RT: 10.872 min Scan# 964
Delta R.T. 0.000 min
Lab File: BN038357.D
Acq: 12 Dec 2025 18:27

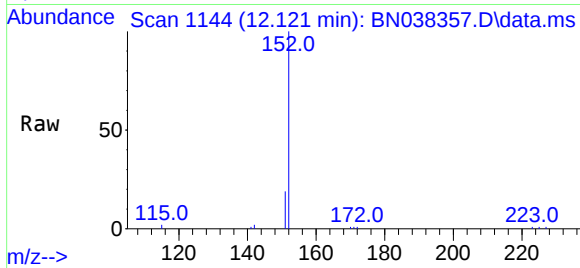
Tgt Ion:225 Resp: 2793
Ion Ratio Lower Upper
225 100
223 0.0 0.0 0.0
227 65.3 51.2 76.8





#11
2-Methylnaphthalene-d10
Concen: 0.363 ng m
RT: 12.121 min Scan# 1144
Delta R.T. -0.005 min
Lab File: BN038357.D
Acq: 12 Dec 2025 18:27

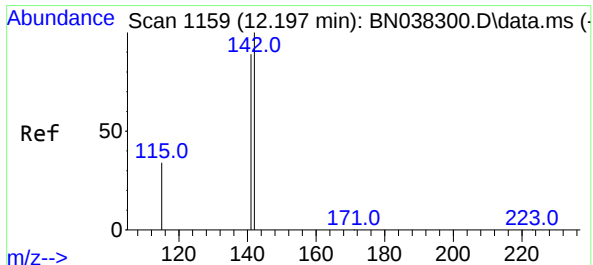
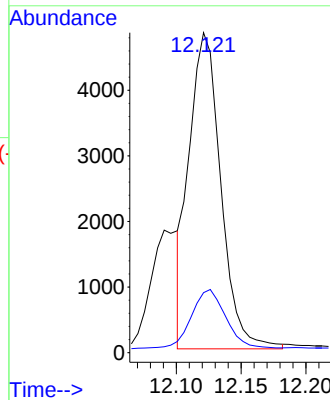
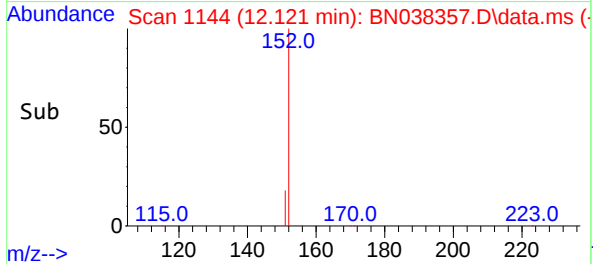
Instrument :
BNA_N
ClientSampleId :
PB170912BS



Tgt Ion:152 Resp: 8204
Ion Ratio Lower Upper
152 100
151 20.4 17.0 25.6

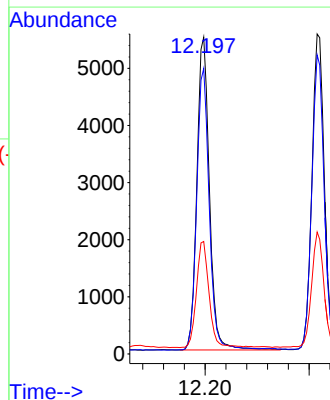
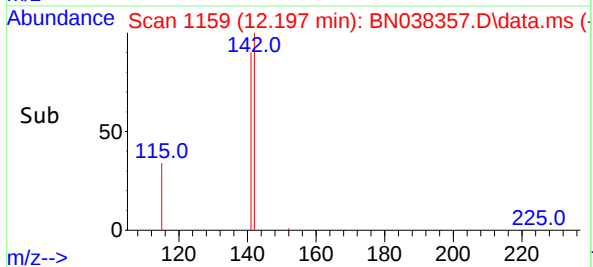
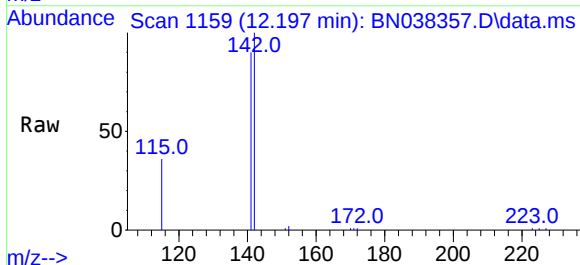
Manual Integrations
APPROVED

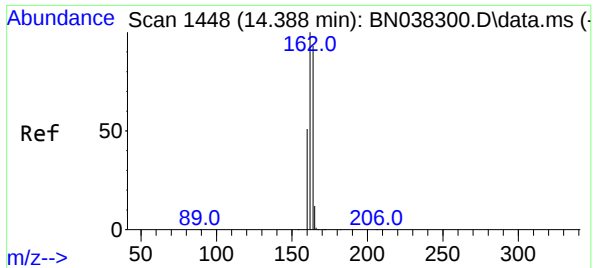
Reviewed By :Rahul Chavli 12/15/2025
Supervised By :Jagrut Upadhyay 12/15/2025



#12
2-Methylnaphthalene
Concen: 0.305 ng
RT: 12.197 min Scan# 1159
Delta R.T. -0.005 min
Lab File: BN038357.D
Acq: 12 Dec 2025 18:27

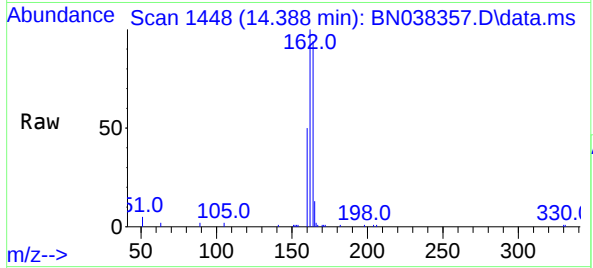
Tgt Ion:142 Resp: 9171
Ion Ratio Lower Upper
142 100
141 90.1 71.4 107.2
115 35.5 28.4 42.6





#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.388 min Scan# 1448
Delta R.T. -0.011 min
Lab File: BN038357.D
Acq: 12 Dec 2025 18:27

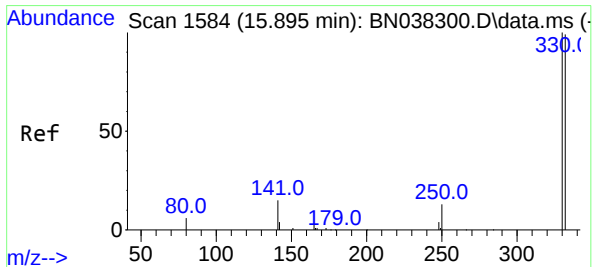
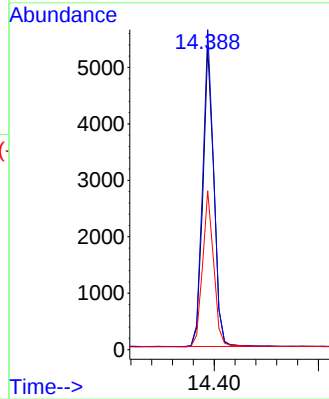
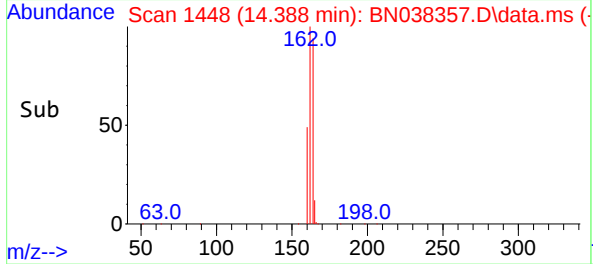
Instrument :
BNA_N
ClientSampleId :
PB170912BS



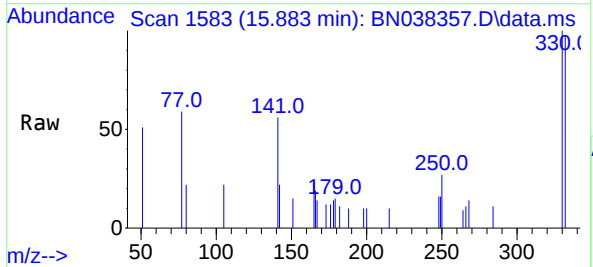
Tgt Ion:164 Resp: 7792
Ion Ratio Lower Upper
164 100
162 105.8 86.2 129.4
160 52.5 44.6 67.0

Manual Integrations
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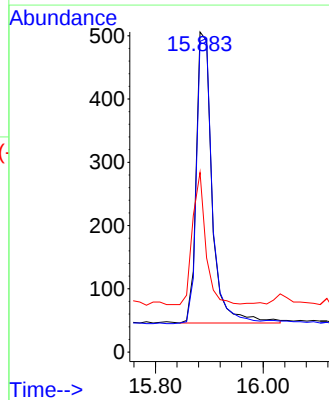
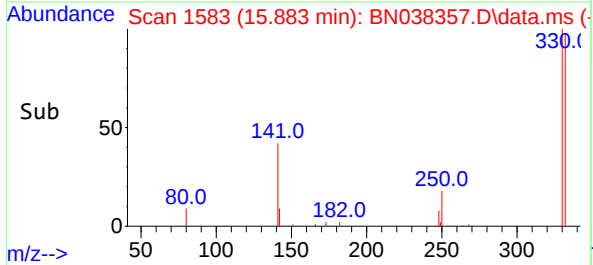
Reviewed By :Rahul Chavli 12/15/2025
Supervised By :Jagrut Upadhyay 12/15/2025

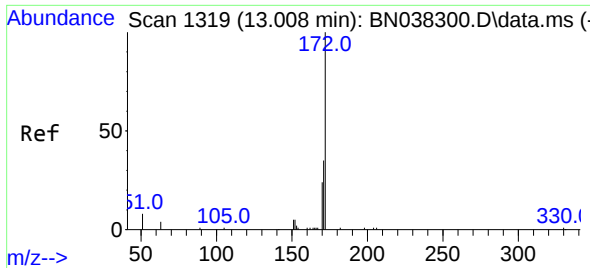


#14
2,4,6-Tribromophenol
Concen: 0.273 ng
RT: 15.883 min Scan# 1583
Delta R.T. -0.012 min
Lab File: BN038357.D
Acq: 12 Dec 2025 18:27



Tgt Ion:330 Resp: 944
Ion Ratio Lower Upper
330 100
332 97.4 75.8 113.6
141 37.8 31.8 47.8





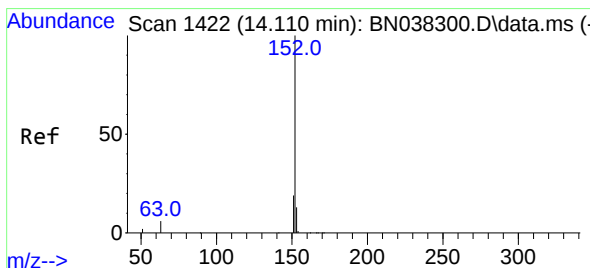
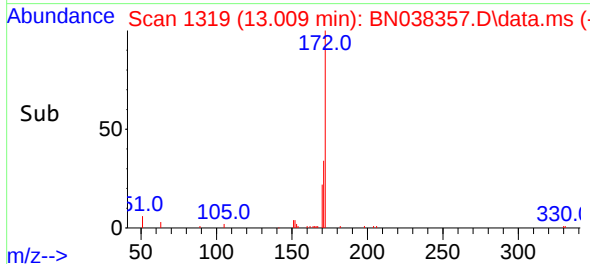
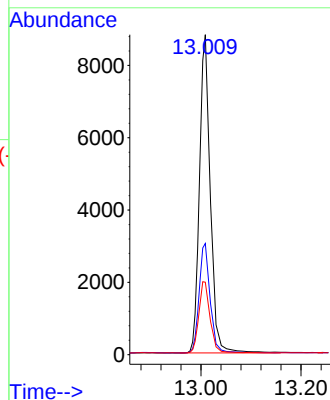
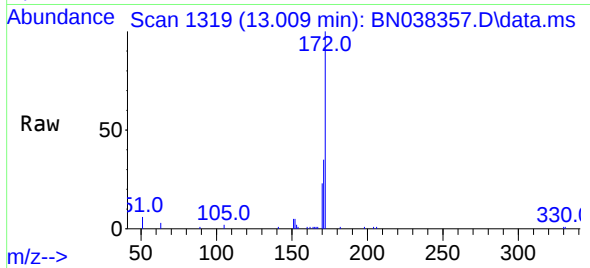
#15
2-Fluorobiphenyl
Concen: 0.432 ng
RT: 13.009 min Scan# 1319
Delta R.T. 0.000 min
Lab File: BN038357.D
Acq: 12 Dec 2025 18:27

Instrument :
BNA_N
ClientSampleId :
PB170912BS

Tgt Ion:172 Resp: 16230
Ion Ratio Lower Upper
172 100
171 34.8 28.6 42.8
170 22.6 19.3 28.9

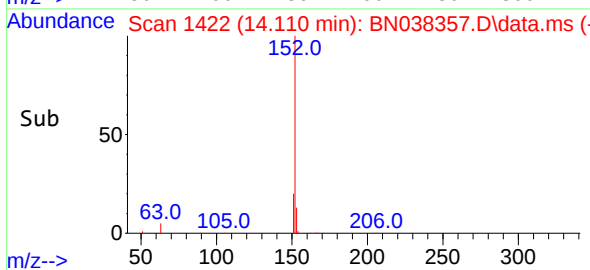
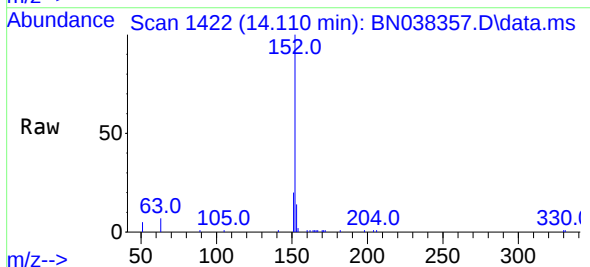
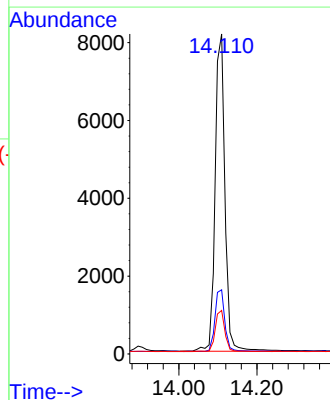
Manual Integrations
APPROVED

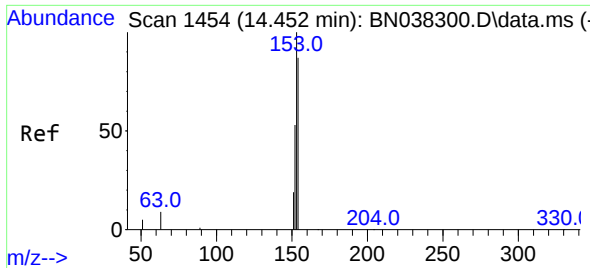
Reviewed By :Rahul Chavli 12/15/2025
Supervised By :Jagrut Upadhyay 12/15/2025



#16
Acenaphthylene
Concen: 0.372 ng
RT: 14.110 min Scan# 1422
Delta R.T. 0.000 min
Lab File: BN038357.D
Acq: 12 Dec 2025 18:27

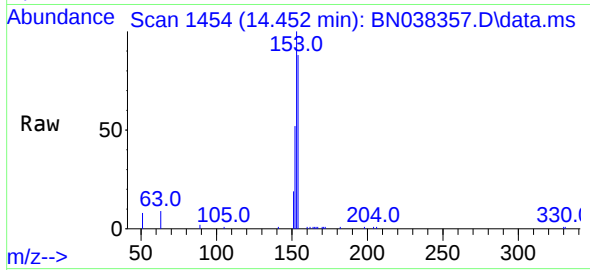
Tgt Ion:152 Resp: 14230
Ion Ratio Lower Upper
152 100
151 19.4 15.4 23.2
153 12.7 10.2 15.4





#17
Acenaphthene
Concen: 0.324 ng
RT: 14.452 min Scan# 1454
Delta R.T. -0.011 min
Lab File: BN038357.D
Acq: 12 Dec 2025 18:27

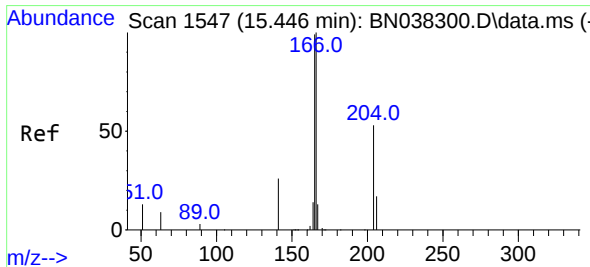
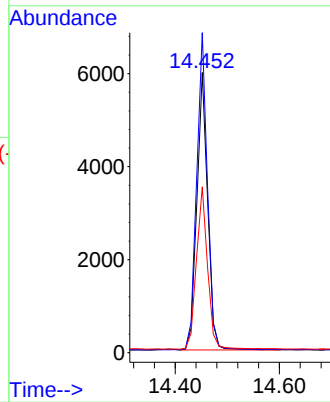
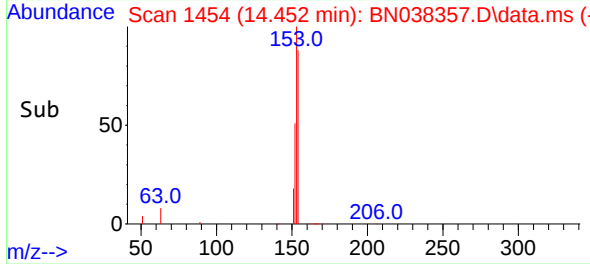
Instrument :
BNA_N
ClientSampleId :
PB170912BS



Tgt Ion:154 Resp: 864
Ion Ratio Lower Upper
154 100
153 113.7 89.8 134.8
152 59.9 47.5 71.3

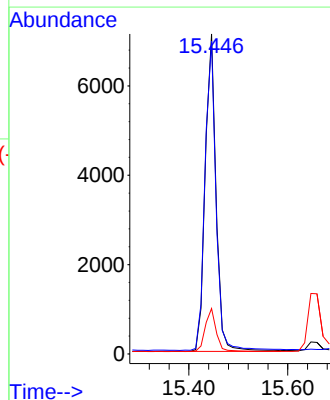
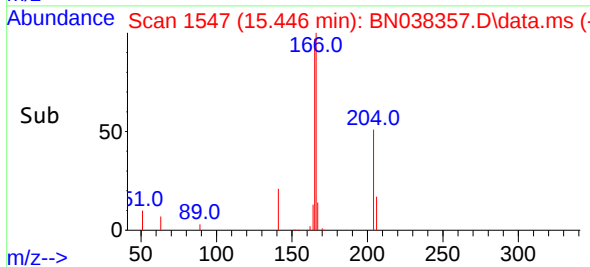
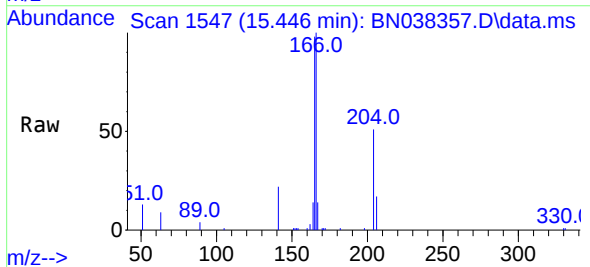
Manual Integrations
APPROVED

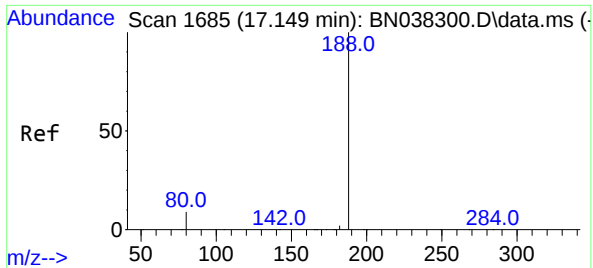
Reviewed By :Rahul Chavli 12/15/2025
Supervised By :Jagrut Upadhyay 12/15/2025



#18
Fluorene
Concen: 0.330 ng
RT: 15.446 min Scan# 1547
Delta R.T. 0.000 min
Lab File: BN038357.D
Acq: 12 Dec 2025 18:27

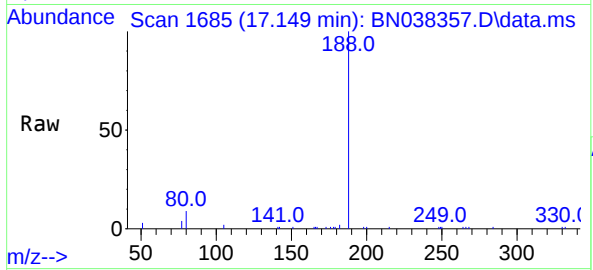
Tgt Ion:166 Resp: 11335
Ion Ratio Lower Upper
166 100
165 98.1 80.2 120.4
167 13.4 10.6 16.0





#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.149 min Scan# 1685
Delta R.T. 0.000 min
Lab File: BN038357.D
Acq: 12 Dec 2025 18:27

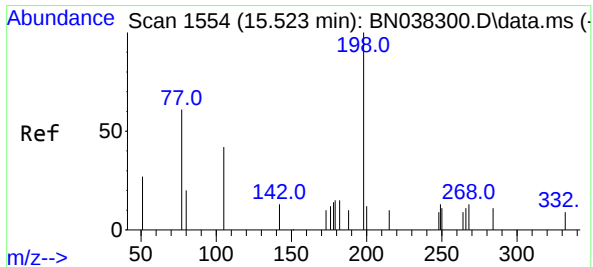
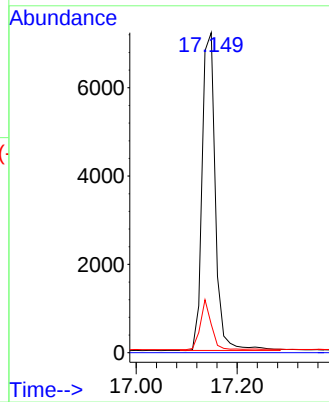
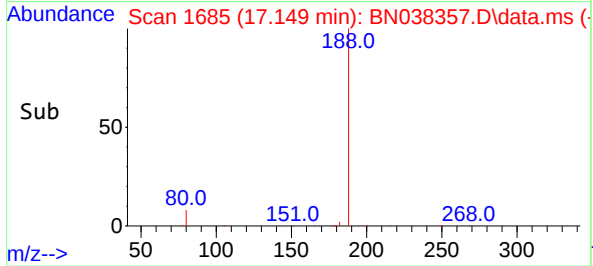
Instrument :
BNA_N
ClientSampleId :
PB170912BS



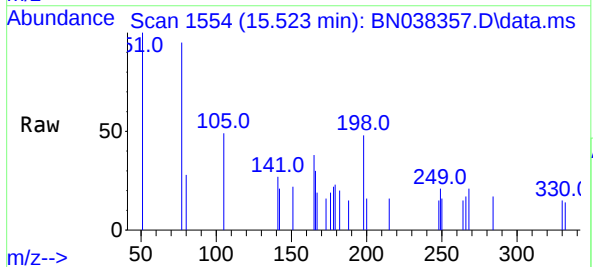
Tgt Ion:188 Resp: 1315
Ion Ratio Lower Upper
188 100
94 0.0 0.0 0.0
80 8.8 7.4 11.0

Manual Integrations
APPROVED

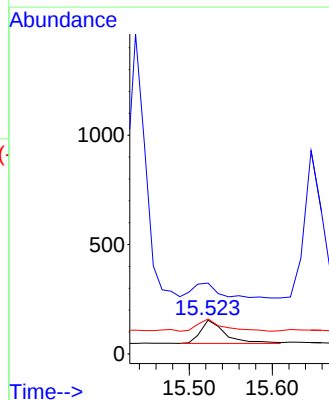
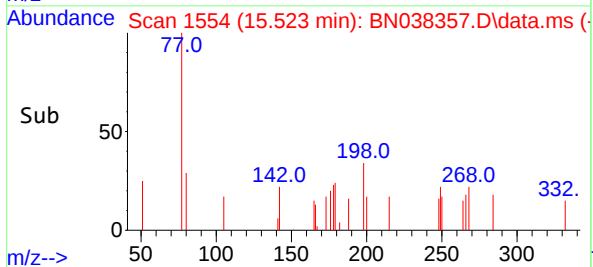
Reviewed By :Rahul Chavli 12/15/2025
Supervised By :Jagrut Upadhyay 12/15/2025

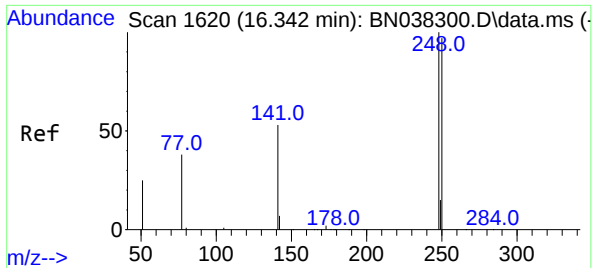


#20
4,6-Dinitro-2-methylphenol
Concen: 0.100 ng
RT: 15.523 min Scan# 1554
Delta R.T. 0.001 min
Lab File: BN038357.D
Acq: 12 Dec 2025 18:27



Tgt Ion:198 Resp: 217
Ion Ratio Lower Upper
198 100
51 210.4 86.3 129.5#
105 103.9 45.3 67.9#





#21
4-Bromophenyl-phenylether
Concen: 0.322 ng
RT: 16.342 min Scan# 1620
Delta R.T. -0.000 min
Lab File: BN038357.D
Acq: 12 Dec 2025 18:27

Instrument :

BNA_N

ClientSampleId :

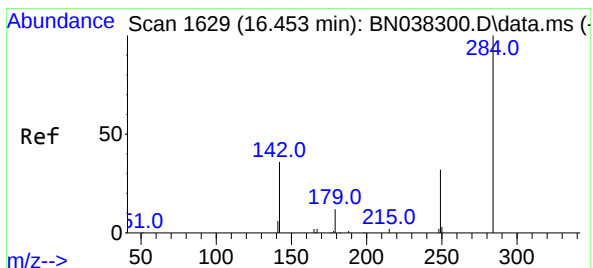
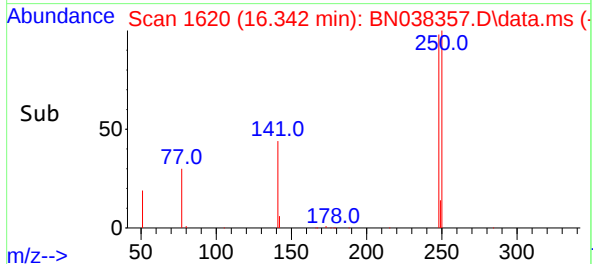
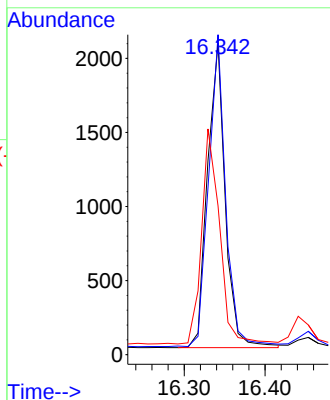
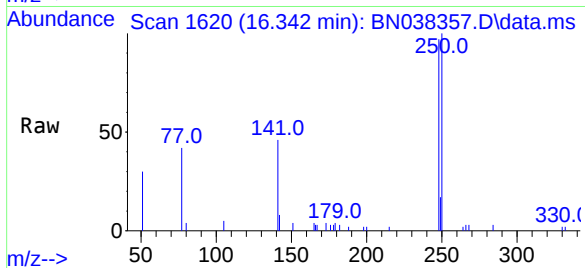
PB170912BS

Tgt Ion	Ratio	Lower	Upper
248	100		
250	102.7	78.2	117.2
141	47.7	43.7	65.5

Manual Integrations

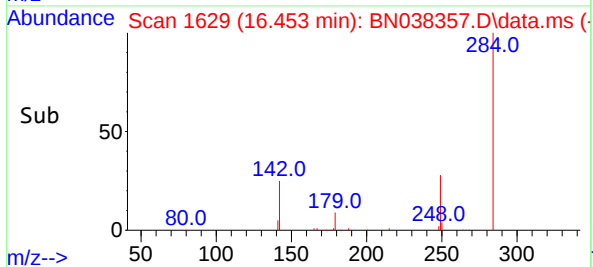
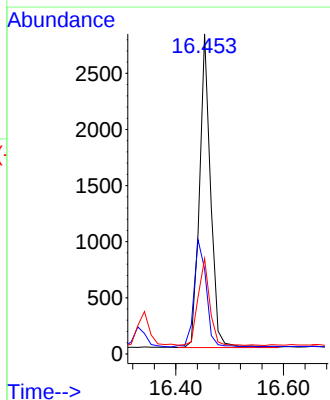
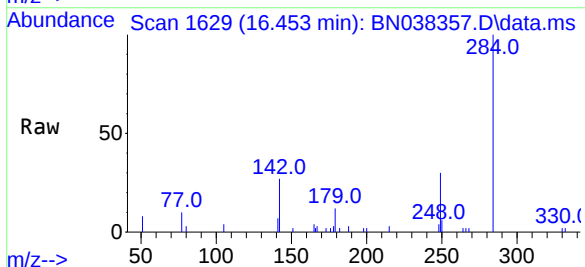
APPROVED

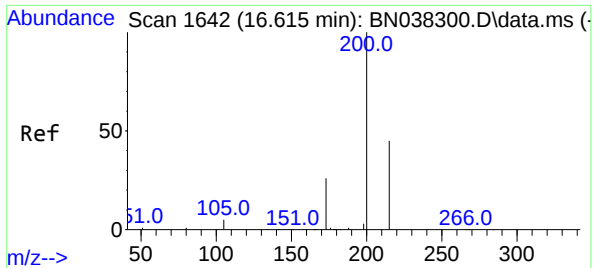
Reviewed By :Rahul Chavli 12/15/2025
Supervised By :Jagrut Upadhyay 12/15/2025



#22
Hexachlorobenzene
Concen: 0.342 ng
RT: 16.453 min Scan# 1629
Delta R.T. -0.012 min
Lab File: BN038357.D
Acq: 12 Dec 2025 18:27

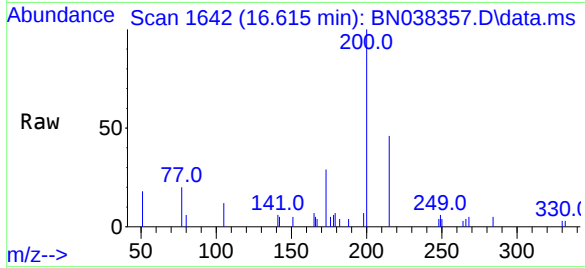
Tgt Ion	Ratio	Lower	Upper
284	100		
142	37.5	29.5	44.3
249	29.4	23.7	35.5





#23
Atrazine
Concen: 0.323 ng
RT: 16.615 min Scan# 1642
Delta R.T. 0.000 min
Lab File: BN038357.D
Acq: 12 Dec 2025 18:27

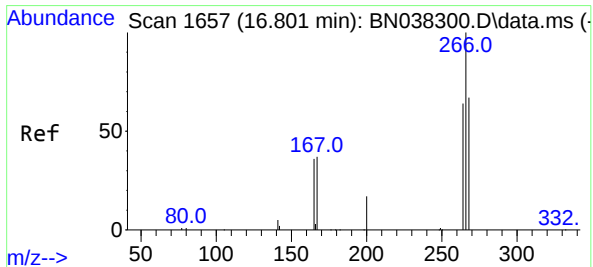
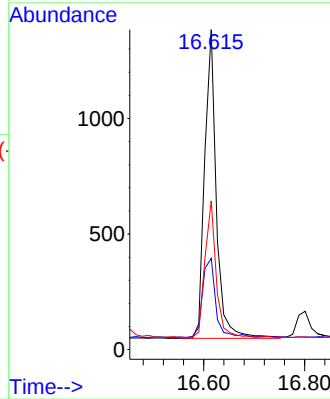
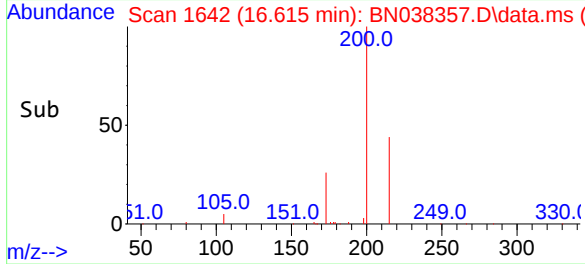
Instrument :
BNA_N
ClientSampleId :
PB170912BS



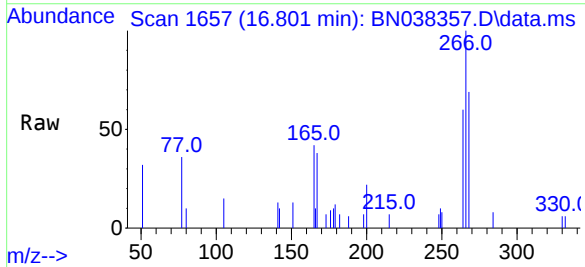
Tgt Ion:200 Resp: 2150
Ion Ratio Lower Upper
200 100
173 28.5 22.1 33.1
215 46.5 37.4 56.2

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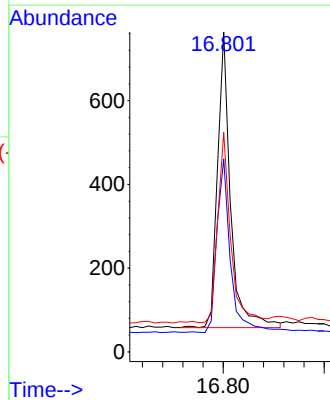
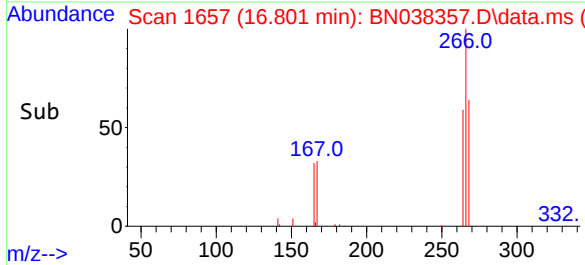
Reviewed By :Rahul Chavli 12/15/2025
Supervised By :Jagrut Upadhyay 12/15/2025

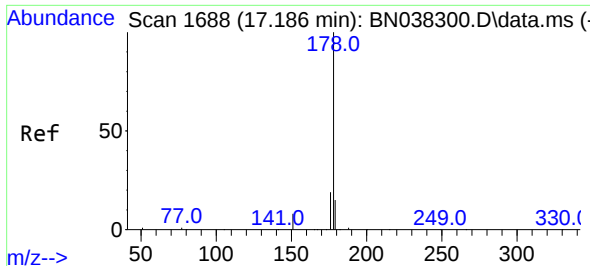


#24
Pentachlorophenol
Concen: 0.275 ng
RT: 16.801 min Scan# 1657
Delta R.T. 0.000 min
Lab File: BN038357.D
Acq: 12 Dec 2025 18:27



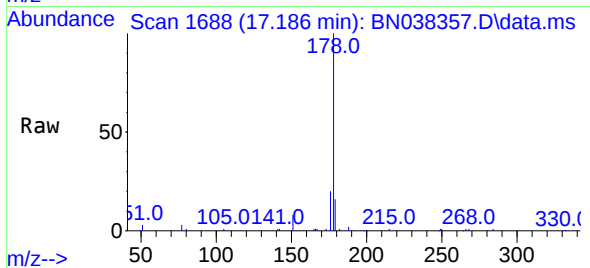
Tgt Ion:266 Resp: 1260
Ion Ratio Lower Upper
266 100
264 61.3 50.2 75.2
268 63.8 52.6 78.8





#25
Phenanthrene
Concen: 0.346 ng
RT: 17.186 min Scan# 1688
Delta R.T. 0.000 min
Lab File: BN038357.D
Acq: 12 Dec 2025 18:27

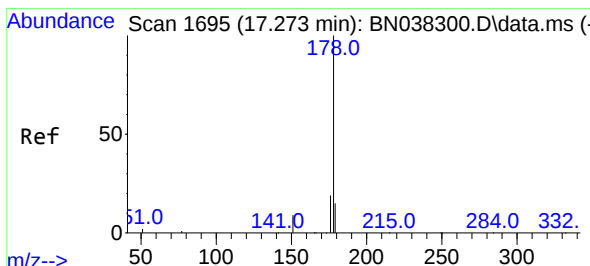
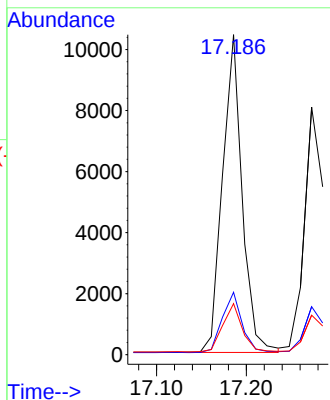
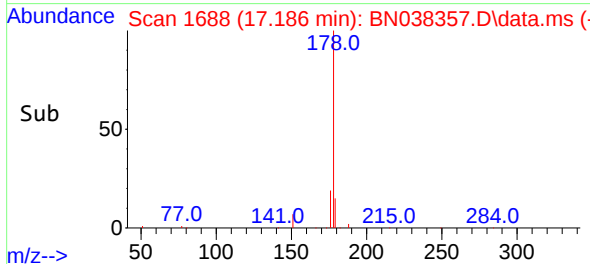
Instrument :
BNA_N
ClientSampleId :
PB170912BS



Tgt Ion:178 Resp: 15862
Ion Ratio Lower Upper
178 100
176 19.1 15.5 23.3
179 15.3 12.2 18.2

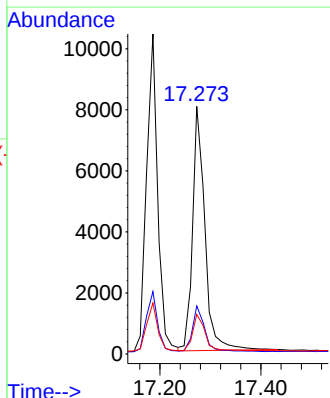
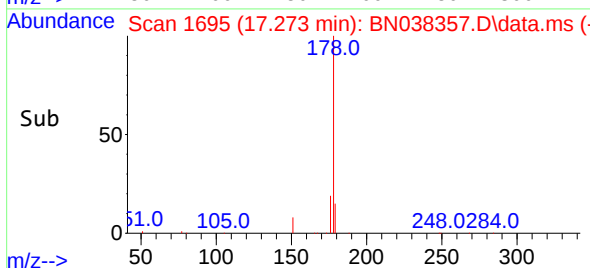
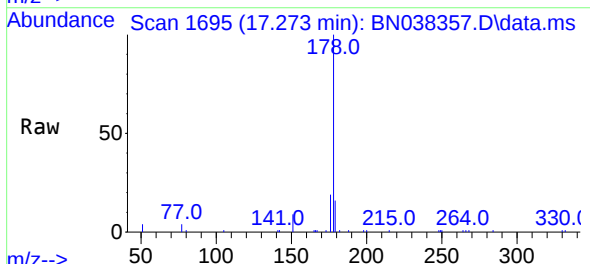
Manual Integrations
APPROVED

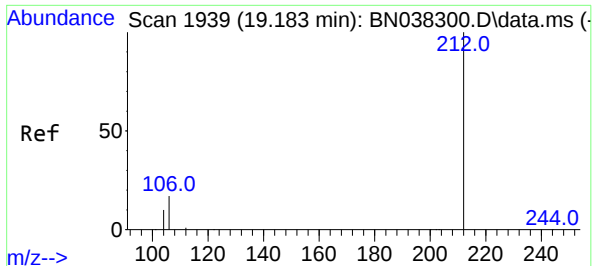
Reviewed By :Rahul Chavli 12/15/2025
Supervised By :Jagrut Upadhyay 12/15/2025



#26
Anthracene
Concen: 0.344 ng
RT: 17.273 min Scan# 1695
Delta R.T. -0.012 min
Lab File: BN038357.D
Acq: 12 Dec 2025 18:27

Tgt Ion:178 Resp: 13583
Ion Ratio Lower Upper
178 100
176 18.8 15.1 22.7
179 14.8 12.0 18.0





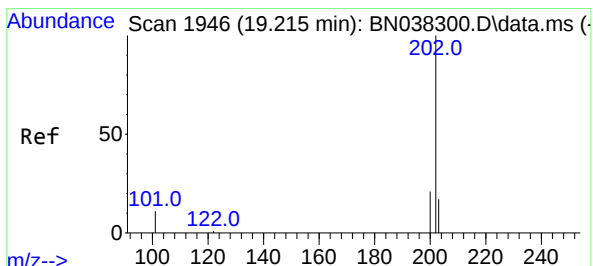
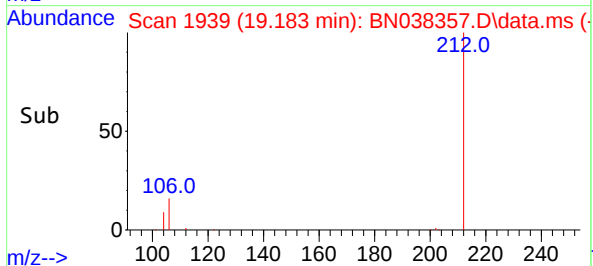
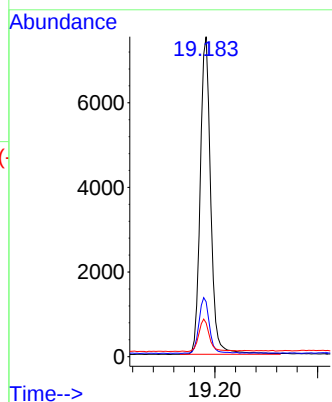
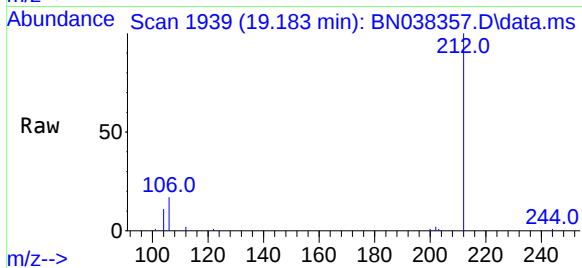
#27
Fluoranthene-d10
Concen: 0.327 ng
RT: 19.183 min Scan# 1939
Delta R.T. -0.005 min
Lab File: BN038357.D
Acq: 12 Dec 2025 18:27

Instrument :
BNA_N
ClientSampleId :
PB170912BS

Tgt Ion:212 Resp: 1064
Ion Ratio Lower Upper
212 100
106 17.7 13.7 20.5
104 10.4 7.8 11.8

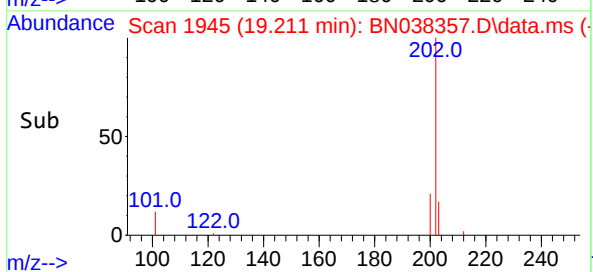
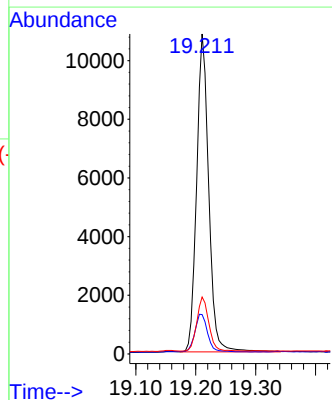
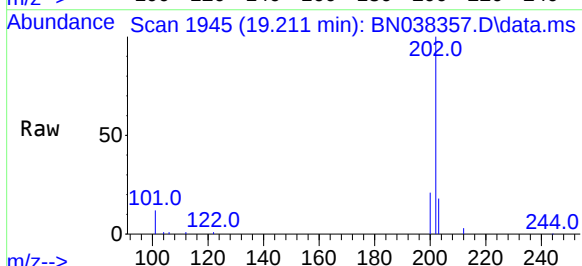
Manual Integrations
APPROVED

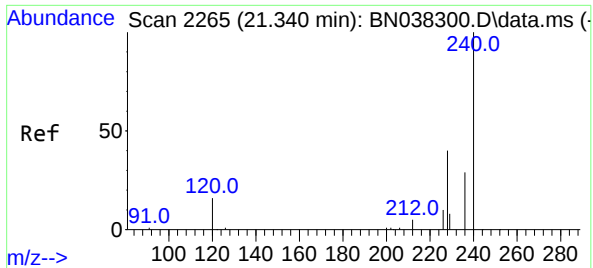
Reviewed By :Rahul Chavli 12/15/2025
Supervised By :Jagrut Upadhyay 12/15/2025



#28
Fluoranthene
Concen: 0.311 ng
RT: 19.211 min Scan# 1945
Delta R.T. -0.009 min
Lab File: BN038357.D
Acq: 12 Dec 2025 18:27

Tgt Ion:202 Resp: 15139
Ion Ratio Lower Upper
202 100
101 13.3 9.6 14.4
203 16.9 13.5 20.3





#29

Chrysene-d12

Concen: 0.400 ng

RT: 21.340 min Scan# 21

Delta R.T. 0.000 min

Lab File: BN038357.D

Acq: 12 Dec 2025 18:27

Instrument :

BNA_N

ClientSampleId :

PB170912BS

Tgt Ion:240 Resp: 8480

Ion Ratio Lower Upper

240 100

120 16.0 15.4 23.2

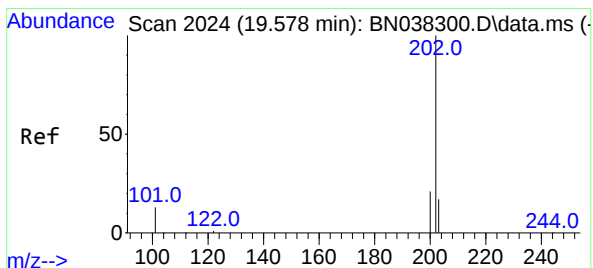
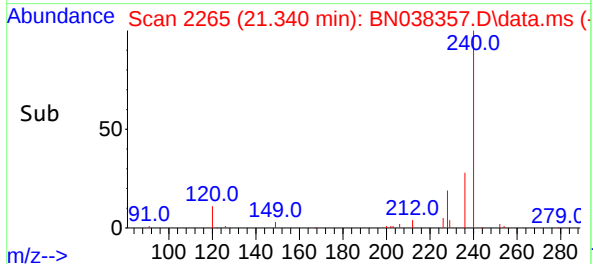
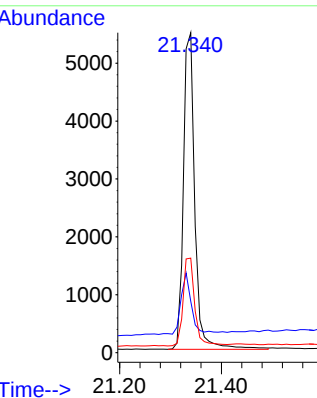
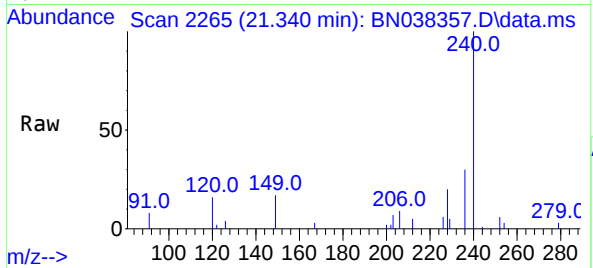
236 29.5 23.9 35.9

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 12/15/2025

Supervised By :Jagrut Upadhyay 12/15/2025



#30

Pyrene

Concen: 0.367 ng

RT: 19.573 min Scan# 2023

Delta R.T. -0.009 min

Lab File: BN038357.D

Acq: 12 Dec 2025 18:27

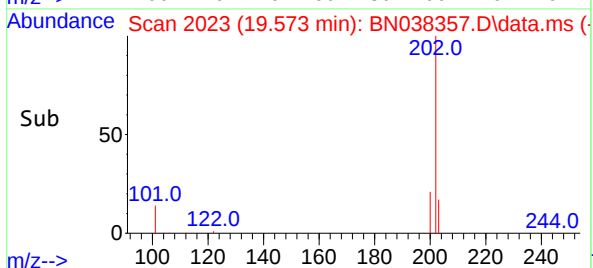
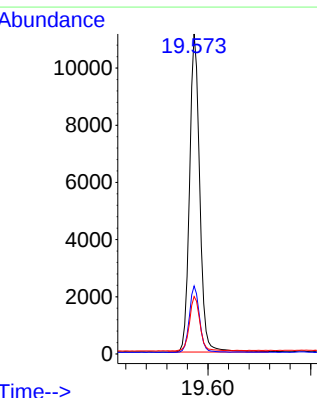
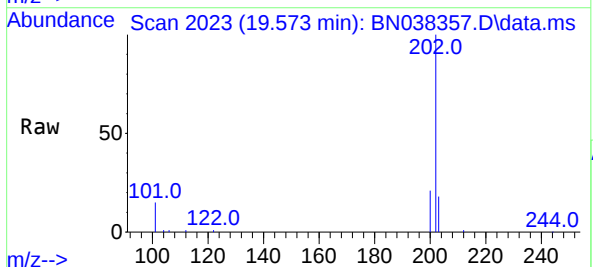
Tgt Ion:202 Resp: 15342

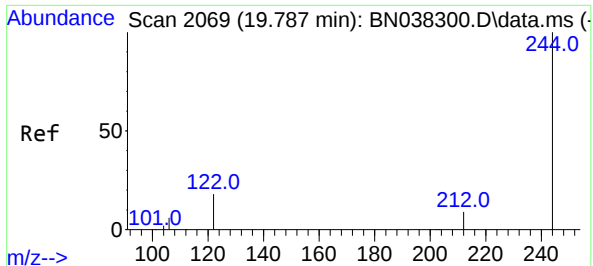
Ion Ratio Lower Upper

202 100

200 20.9 16.9 25.3

203 17.5 14.2 21.2





#31
Terphenyl-d14
Concen: 0.430 ng
RT: 19.782 min Scan# 2068
Delta R.T. -0.009 min
Lab File: BN038357.D
Acq: 12 Dec 2025 18:27

Instrument :

BNA_N

ClientSampleId :

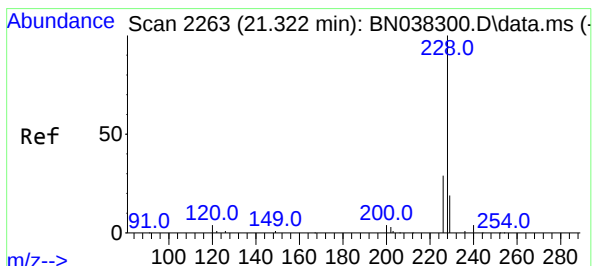
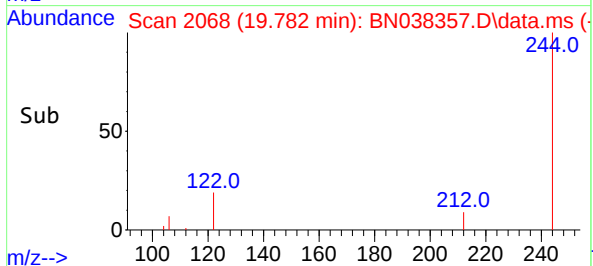
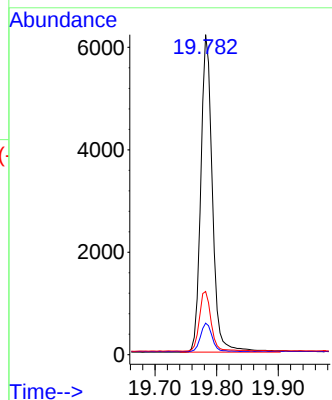
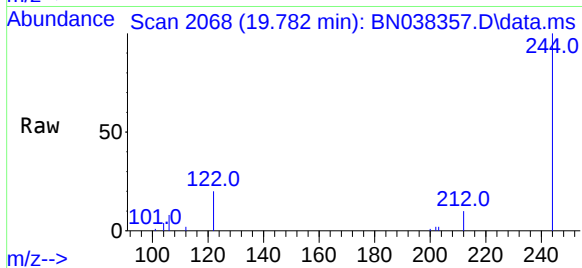
PB170912BS

Tgt Ion	Ratio	Lower	Upper
244	100		
212	9.9	7.9	11.9
122	19.8	15.0	22.6

Manual Integrations

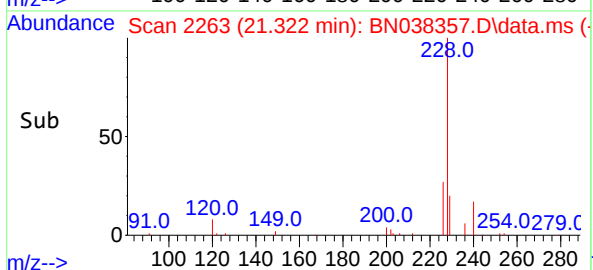
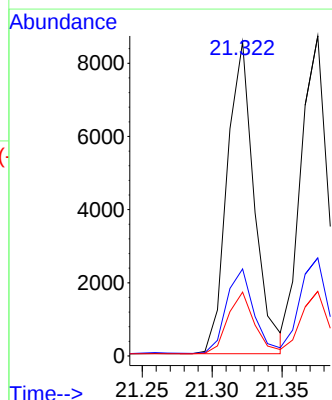
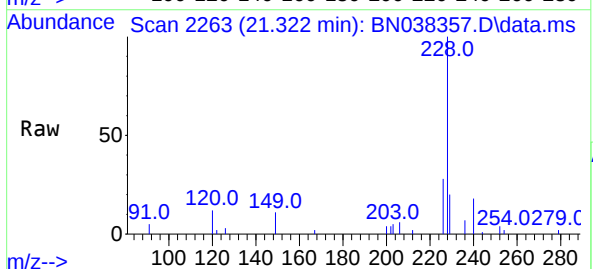
APPROVED

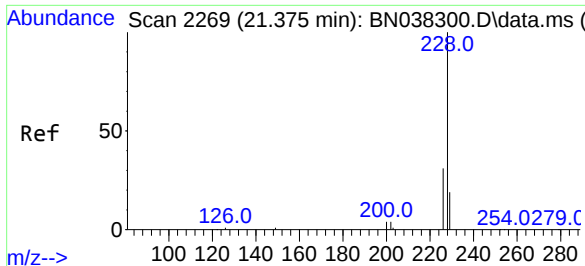
Reviewed By :Rahul Chavli 12/15/2025
Supervised By :Jagrut Upadhyay 12/15/2025



#32
Benzo(a)anthracene
Concen: 0.351 ng
RT: 21.322 min Scan# 2263
Delta R.T. -0.009 min
Lab File: BN038357.D
Acq: 12 Dec 2025 18:27

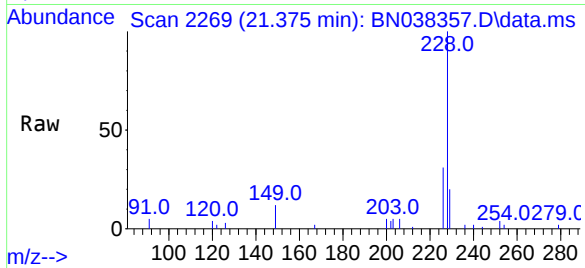
Tgt Ion	Ratio	Lower	Upper
228	100		
226	27.7	23.3	34.9
229	20.3	15.7	23.5





#33
Chrysene
Concen: 0.344 ng
RT: 21.375 min Scan# 2126
Delta R.T. 0.000 min
Lab File: BN038357.D
Acq: 12 Dec 2025 18:27

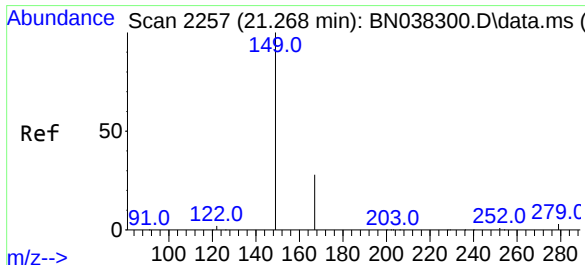
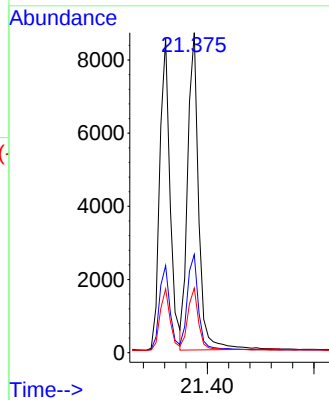
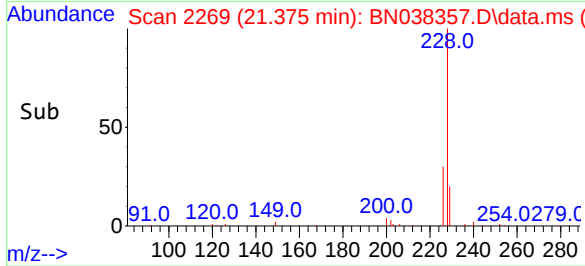
Instrument :
BNA_N
ClientSampleId :
PB170912BS



Tgt Ion:228 Resp: 12400
Ion Ratio Lower Upper
228 100
226 30.7 25.0 37.4
229 20.2 15.5 23.3

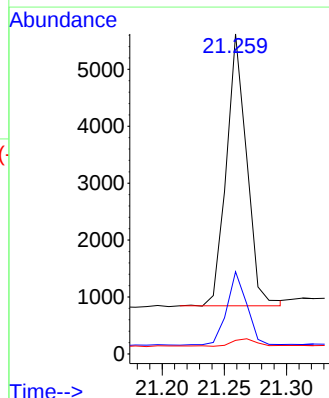
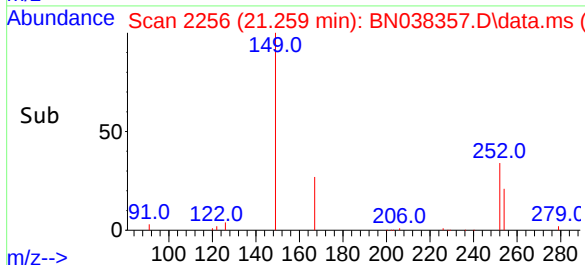
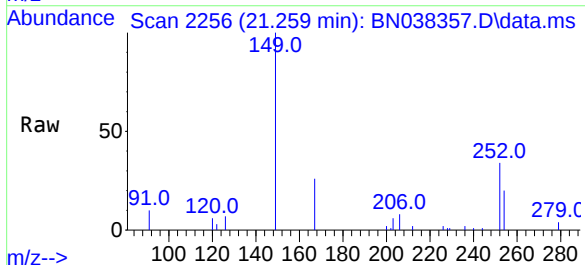
Manual Integrations
APPROVED

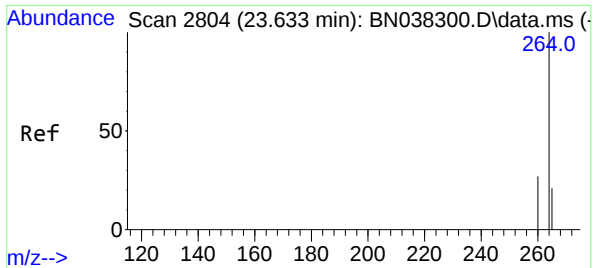
Reviewed By :Rahul Chavli 12/15/2025
Supervised By :Jagrut Upadhyay 12/15/2025



#34
Bis(2-ethylhexyl)phthalate
Concen: 0.302 ng
RT: 21.259 min Scan# 2256
Delta R.T. -0.009 min
Lab File: BN038357.D
Acq: 12 Dec 2025 18:27

Tgt Ion:149 Resp: 5420
Ion Ratio Lower Upper
149 100
167 26.8 21.4 32.0
279 3.1 2.4 3.6





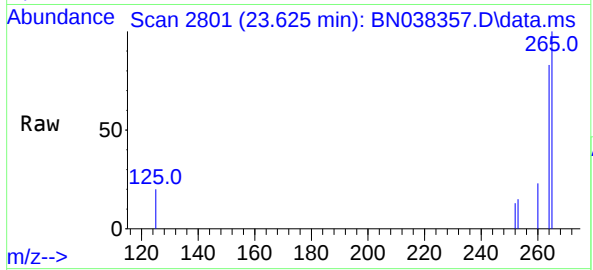
#35
Perylene-d12
Concen: 0.400 ng
RT: 23.625 min Scan# 2801
Delta R.T. -0.009 min
Lab File: BN038357.D
Acq: 12 Dec 2025 18:27

Instrument :

BNA_N

ClientSampleId :

PB170912BS

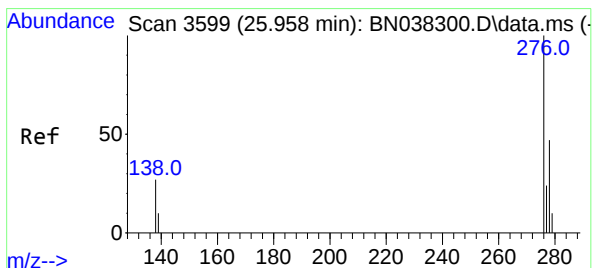
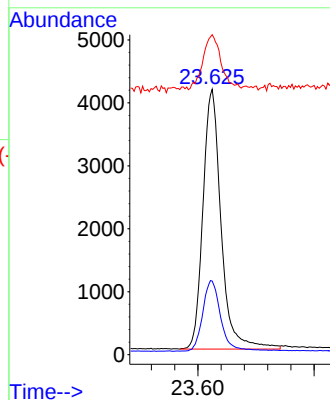
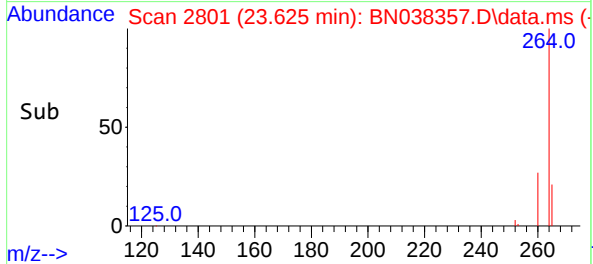


Tgt Ion:264 Resp: 894
Ion Ratio Lower Upper
264 100
260 27.7 22.2 33.2
265 120.6 80.2 120.2

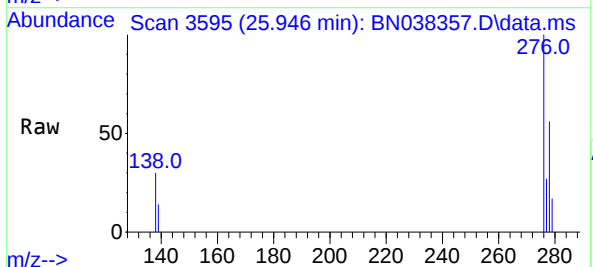
Manual Integrations

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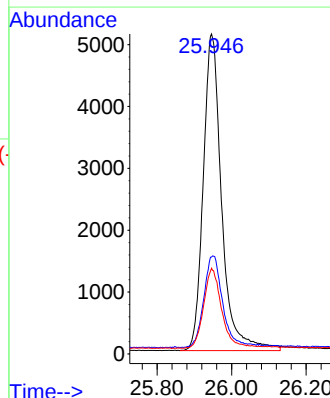
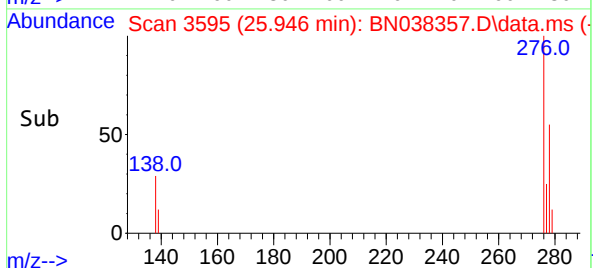
Reviewed By :Rahul Chavli 12/15/2025
Supervised By :Jagrut Upadhyay 12/15/2025

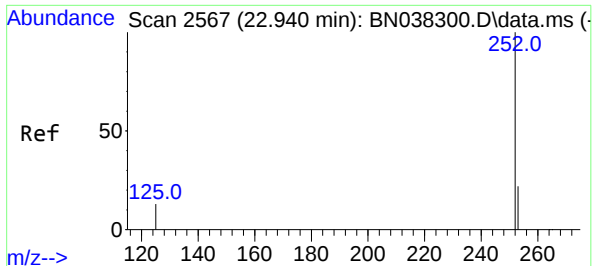


#36
Indeno(1,2,3-cd)pyrene
Concen: 0.370 ng
RT: 25.946 min Scan# 3595
Delta R.T. -0.017 min
Lab File: BN038357.D
Acq: 12 Dec 2025 18:27



Tgt Ion:276 Resp: 17589
Ion Ratio Lower Upper
276 100
138 29.3 23.6 35.4
277 24.4 19.7 29.5





#37

Benzo(b)fluoranthene

Concen: 0.319 ng

RT: 22.932 min Scan# 2564

Delta R.T. -0.015 min

Lab File: BN038357.D

Acq: 12 Dec 2025 18:27

Instrument :

BNA_N

ClientSampleId :

PB170912BS

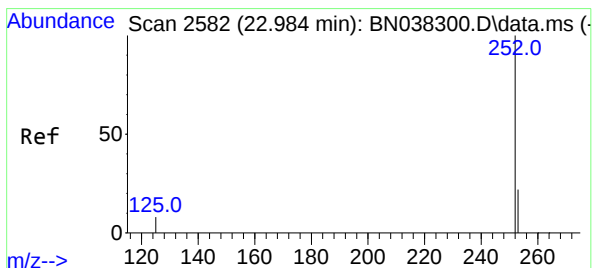
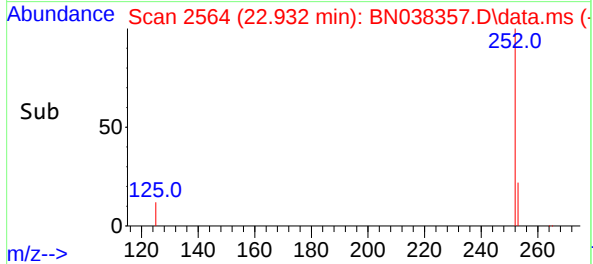
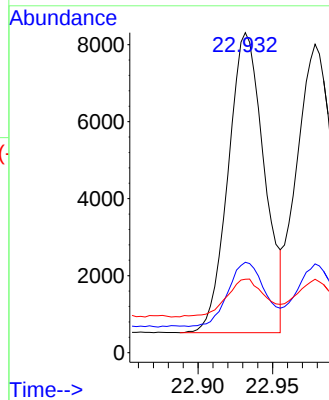
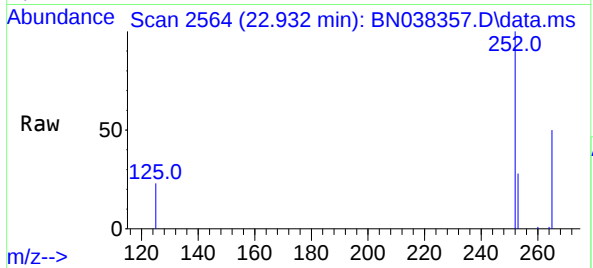
Tgt Ion:252	Resp:	13100
Ion Ratio	Lower	Upper
252	100	
253	28.2	21.1 31.7
125	22.9	16.4 24.6

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 12/15/2025

Supervised By :Jagrut Upadhyay 12/15/2025



#38

Benzo(k)fluoranthene

Concen: 0.332 ng

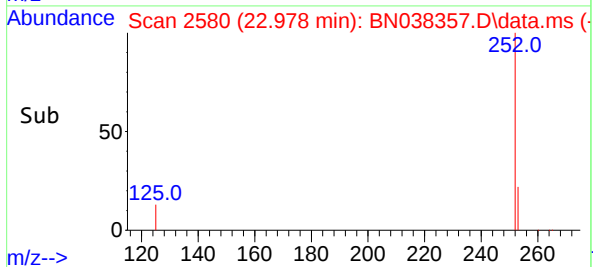
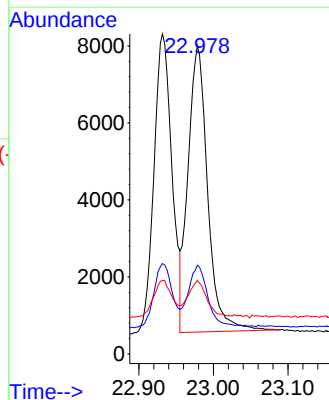
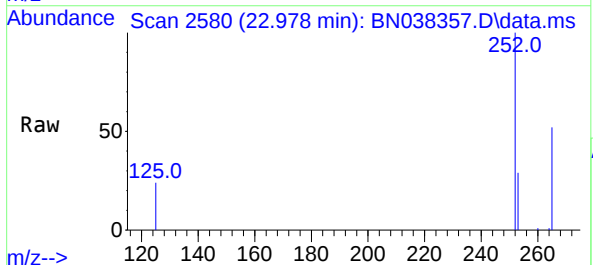
RT: 22.978 min Scan# 2580

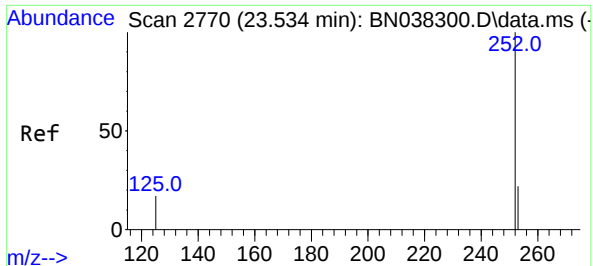
Delta R.T. -0.012 min

Lab File: BN038357.D

Acq: 12 Dec 2025 18:27

Tgt Ion:252	Resp:	13592
Ion Ratio	Lower	Upper
252	100	
253	28.8	21.4 32.0
125	23.8	16.2 24.2





#39

Benzo(a)pyrene

Concen: 0.348 ng

RT: 23.522 min Scan# 21

Delta R.T. -0.012 min

Lab File: BN038357.D

Acq: 12 Dec 2025 18:27

Instrument :

BNA_N

ClientSampleId :

PB170912BS

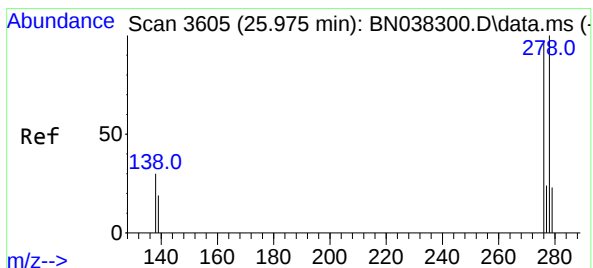
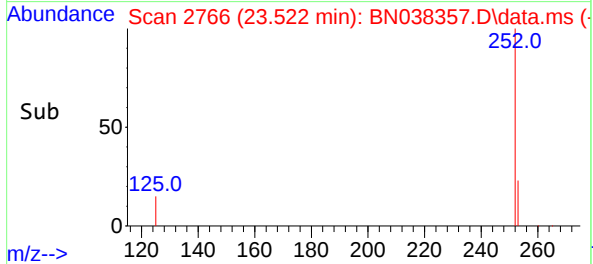
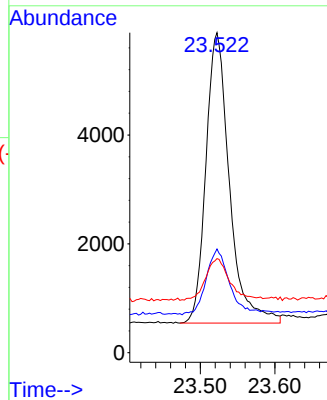
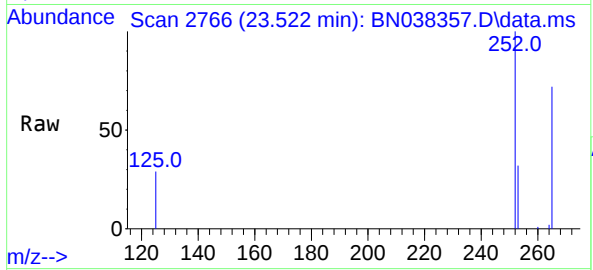
Tgt Ion:	252	Resp:	11710
Ion	Ratio	Lower	Upper
252	100		
253	32.4	23.3	34.9
125	29.4	22.4	33.6

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 12/15/2025

Supervised By :Jagrut Upadhyay 12/15/2025



#40

Dibenzo(a,h)anthracene

Concen: 0.365 ng

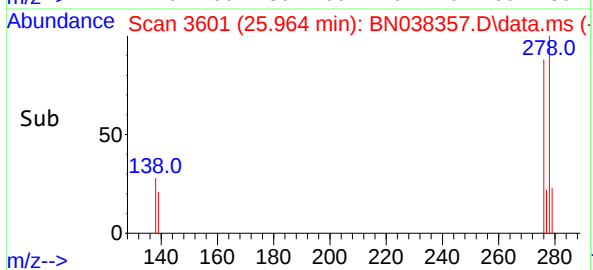
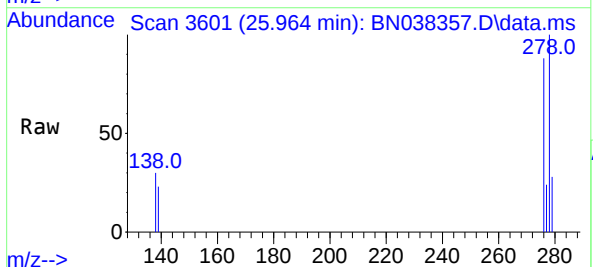
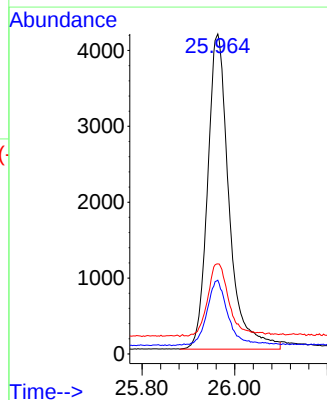
RT: 25.964 min Scan# 3601

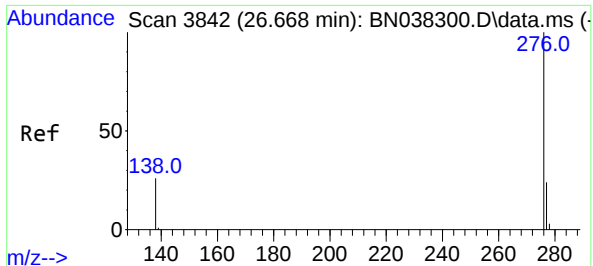
Delta R.T. -0.017 min

Lab File: BN038357.D

Acq: 12 Dec 2025 18:27

Tgt Ion:	278	Resp:	13361
Ion	Ratio	Lower	Upper
278	100		
139	23.1	17.8	26.8
279	28.1	21.3	31.9





#41

Benzo(g,h,i)perylene

Concen: 0.374 ng

RT: 26.651 min Scan# 3836

Delta R.T. -0.026 min

Lab File: BN038357.D

Acq: 12 Dec 2025 18:27

Instrument :

BNA_N

ClientSampleId :

PB170912BS

Tgt Ion:276 Resp: 1531

Ion Ratio Lower Upper

276 100

277 25.0 20.0 30.0

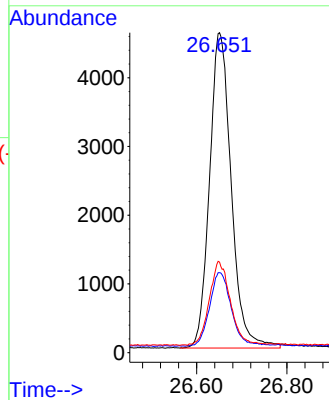
138 28.3 21.8 32.6

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 12/15/2025

Supervised By :Jagrut Upadhyay 12/15/2025





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

Report of Analysis

Client:	JACOBS Engineering Group, Inc.	Date Collected:	
Project:	Former Schlumberger STC PTC Site D3868221	Date Received:	
Client Sample ID:	PB170912BSD	SDG No.:	Q3813
Lab Sample ID:	PB170912BSD	Matrix:	Water
Analytical Method:	SW8270ESIM	% Solid:	0
Sample Wt/Vol:	1000 mL	Test:	SVOC-SIMGroup1
Prep Method :	3510C		
	Level: LOW		
	Final Vol: 1000 uL		
	Prep Date: 12/11/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
TARGETS									
123-91-1	1,4-Dioxane	0.29		1	0.070	0.20	ug/L	12/12/25 19:03	PB170912
SURROGATES									
7297-45-2	2-Methylnaphthalene-d10	0.38			30 (47) - 150 (106)	95%	SPK: 0.4		
93951-69-0	Fluoranthene-d10	0.34			30 (54) - 150 (157)	84%	SPK: 0.4		
4165-60-0	Nitrobenzene-d5	0.39			30 (56) - 130 (116)	97%	SPK: 0.4		
321-60-8	2-Fluorobiphenyl	0.42			30 (50) - 130 (126)	106%	SPK: 0.4		
1718-51-0	Terphenyl-d14	0.40			30 (54) - 130 (175)	100%	SPK: 0.4		
INTERNAL STANDARDS									
		Area Count							
3855-82-1	1,4-Dichlorobenzene-d4	5500							
1146-65-2	Naphthalene-d8	14200							
15067-26-2	Acenaphthene-d10	6820							
1517-22-2	Phenanthrene-d10	11700							
1719-03-5	Chrysene-d12	8310							
1520-96-3	Perylene-d12	8800							

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\BN121225\
 Data File : BN038358.D
 Acq On : 12 Dec 2025 19:03
 Operator : RC/JU
 Sample : PB170912BSD
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 PB170912BSD

Manual Integrations
 APPROVED

Reviewed By :Rahul Chavli 12/15/2025
 Supervised By :Jagrut Upadhyay 12/15/2025

Quant Time: Dec 13 02:09:38 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN121025.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Dec 10 13:56:50 2025
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.717	152	5504	0.400	ng	0.00
7) Naphthalene-d8	10.519	136	14243	0.400	ng	#-0.01
13) Acenaphthene-d10	14.388	164	6818	0.400	ng	-0.01
19) Phenanthrene-d10	17.149	188	11665	0.400	ng	0.00
29) Chrysene-d12	21.340	240	8305	0.400	ng	# 0.00
35) Perylene-d12	23.622	264	8801	0.400	ng	#-0.01
System Monitoring Compounds						
4) 2-Fluorophenol	5.290	112	4917	0.359	ng	0.00
5) Phenol-d6	6.887	99	5454	0.335	ng	0.00
8) Nitrobenzene-d5	8.875	82	4653	0.387	ng	0.00
11) 2-Methylnaphthalene-d10	12.121	152	7618m	0.379	ng	0.00
14) 2,4,6-Tribromophenol	15.895	330	836	0.276	ng	0.00
15) 2-Fluorobiphenyl	13.008	172	13910	0.423	ng	0.00
27) Fluoranthene-d10	19.183	212	9671	0.335	ng	0.00
31) Terphenyl-d14	19.782	244	7442	0.402	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.196	88	1838	0.291	ng	# 65
3) n-Nitrosodimethylamine	3.507	42	2757	0.348	ng	# 97
6) bis(2-Chloroethyl)ether	7.139	93	5483	0.344	ng	96
9) Naphthalene	10.573	128	14349	0.341	ng	100
10) Hexachlorobutadiene	10.872	225	2638	0.352	ng	# 99
12) 2-Methylnaphthalene	12.197	142	8109	0.303	ng	99
16) Acenaphthylene	14.110	152	12558	0.375	ng	99
17) Acenaphthene	14.452	154	7570	0.325	ng	98
18) Fluorene	15.446	166	9826	0.327	ng	100
20) 4,6-Dinitro-2-methylph...	15.522	198	208	0.108	ng	# 1
21) 4-Bromophenyl-phenylether	16.342	248	2851	0.329	ng	97
22) Hexachlorobenzene	16.453	284	3612	0.347	ng	100
23) Atrazine	16.615	200	1948	0.330	ng	99
24) Pentachlorophenol	16.801	266	1446	0.356	ng	97
25) Phenanthrene	17.186	178	13452	0.331	ng	100
26) Anthracene	17.273	178	12005	0.343	ng	100
28) Fluoranthene	19.211	202	13300	0.308	ng	100
30) Pyrene	19.573	202	13499	0.330	ng	99
32) Benzo(a)anthracene	21.322	228	11195	0.349	ng	99
33) Chrysene	21.375	228	12514	0.354	ng	99
34) Bis(2-ethylhexyl)phtha...	21.259	149	5141	0.292	ng	# 99
36) Indeno(1,2,3-cd)pyrene	25.949	276	17687	0.379	ng	100
37) Benzo(b)fluoranthene	22.935	252	13459	0.333	ng	95
38) Benzo(k)fluoranthene	22.978	252	14124	0.350	ng	97
39) Benzo(a)pyrene	23.522	252	12179	0.368	ng	98
40) Dibenzo(a,h)anthracene	25.961	278	13531	0.376	ng	97
41) Benzo(g,h,i)perylene	26.653	276	15173	0.377	ng	99

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

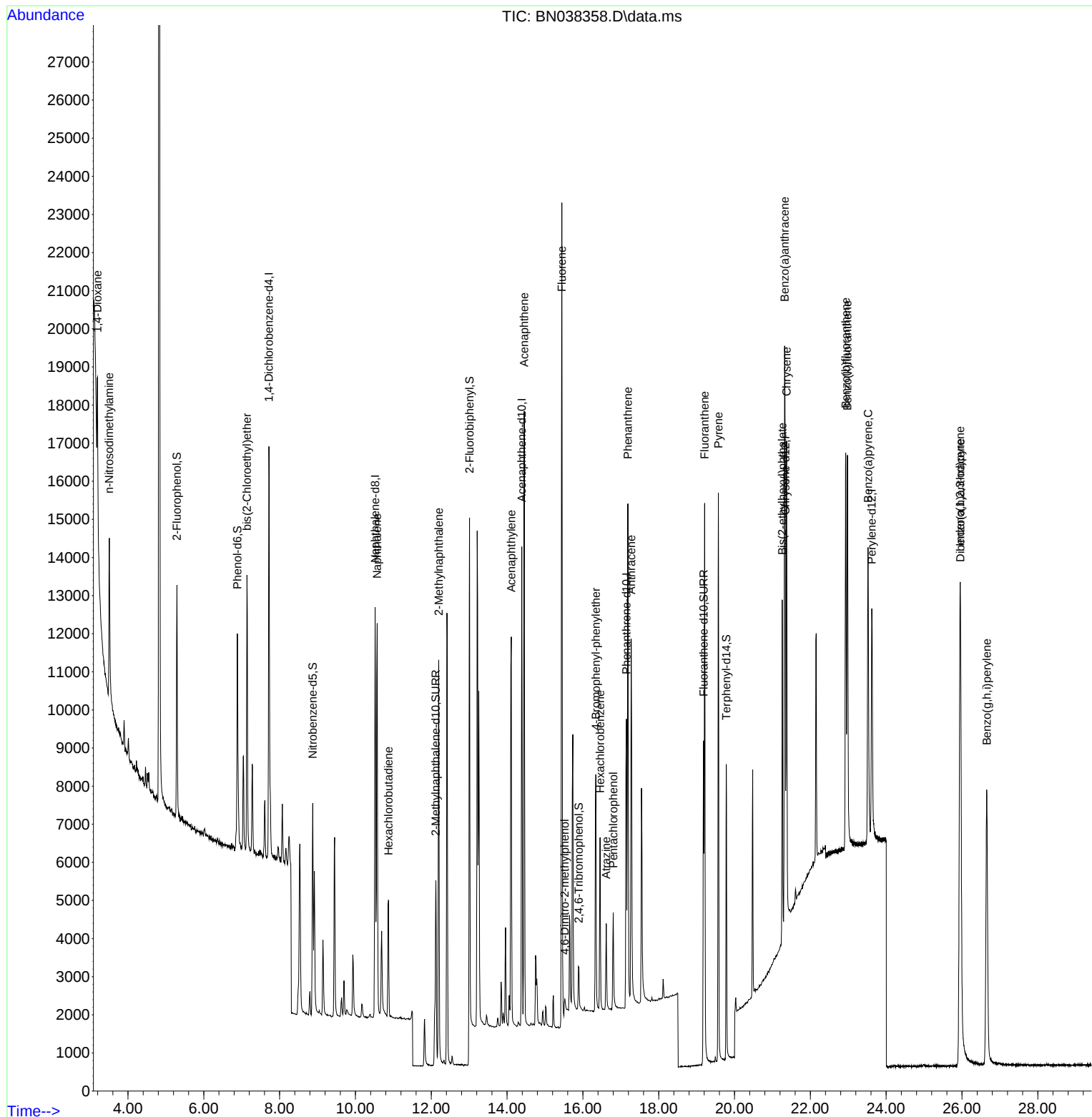
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN121225\
Data File : BN038358.D
Acq On : 12 Dec 2025 19:03
Operator : RC/JU
Sample : PB170912BSD
Misc :
ALS Vial : 17 Sample Multiplier: 1

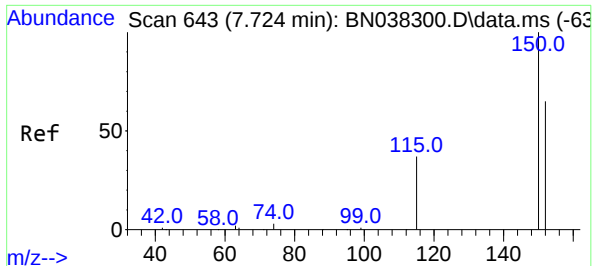
Instrument :
BNA_N
ClientSampleId :
PB170912BSD

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 12/15/2025
Supervised By :Jagrut Upadhyay 12/15/2025

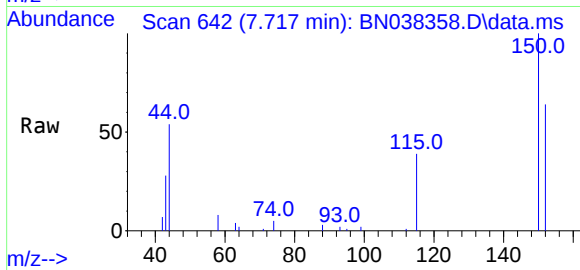
Quant Time: Dec 13 02:09:38 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN121025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Dec 10 13:56:50 2025
Response via : Initial Calibration





#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.717 min Scan# 64
Delta R.T. -0.007 min
Lab File: BN038358.D
Acq: 12 Dec 2025 19:03

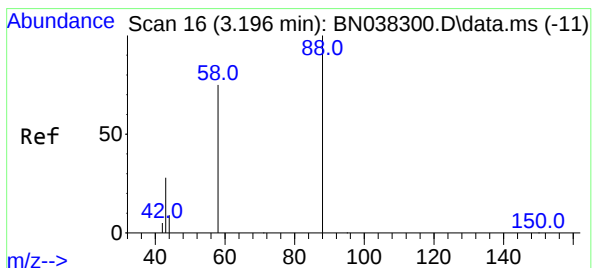
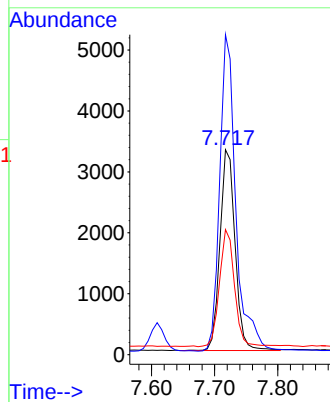
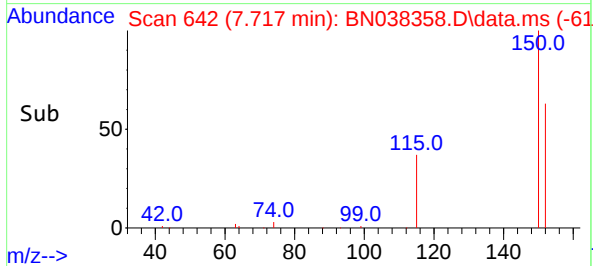
Instrument :
BNA_N
ClientSampleId :
PB170912BSD



Tgt Ion:152 Resp: 5504
Ion Ratio Lower Upper
152 100
150 156.1 122.4 183.6
115 61.0 47.3 70.9

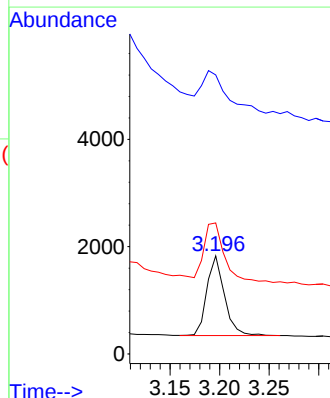
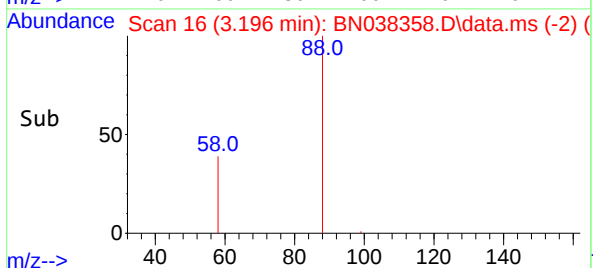
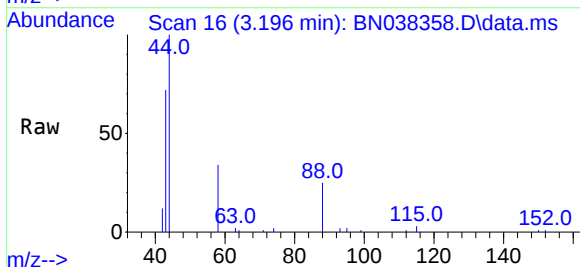
Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 12/15/2025
Supervised By :Jagrut Upadhyay 12/15/2025

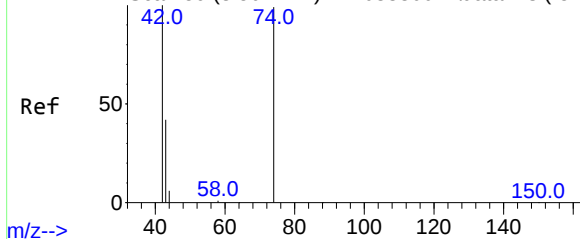


#2
1,4-Dioxane
Concen: 0.291 ng
RT: 3.196 min Scan# 16
Delta R.T. 0.000 min
Lab File: BN038358.D
Acq: 12 Dec 2025 19:03

Tgt Ion: 88 Resp: 1838
Ion Ratio Lower Upper
88 100
43 78.1 24.9 37.3#
58 89.4 61.4 92.0



Abundance Scan 59 (3.507 min): BN038300.D\data.ms (-52)



#3

n-Nitrosodimethylamine

Concen: 0.348 ng

RT: 3.507 min Scan# 59

Delta R.T. 0.007 min

Lab File: BN038358.D

Acq: 12 Dec 2025 19:03

Instrument :

BNA_N

ClientSampleId :

PB170912BSD

Tgt Ion: 42 Resp: 275

Ion Ratio Lower Upper

42 100

74 118.3 95.3 142.9

44 0.0 7.9 11.9

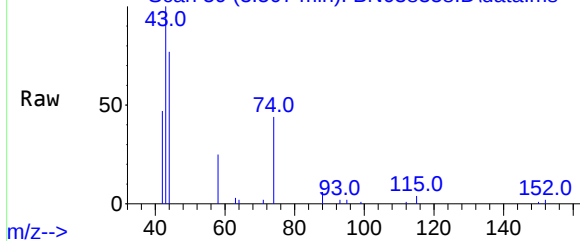
Manual Integrations

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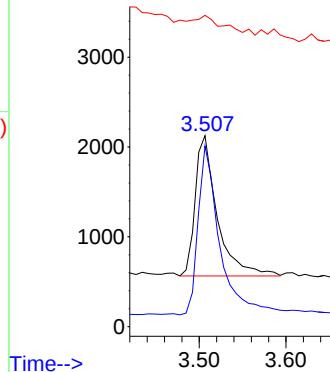
Reviewed By :Rahul Chavli 12/15/2025

Supervised By :Jagrut Upadhyay 12/15/2025

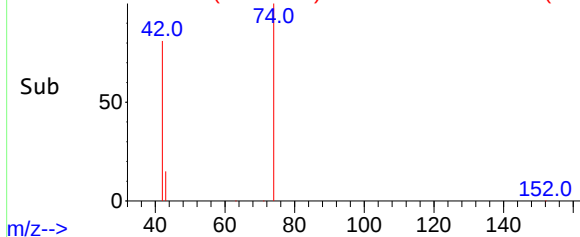
Abundance Scan 59 (3.507 min): BN038358.D\data.ms



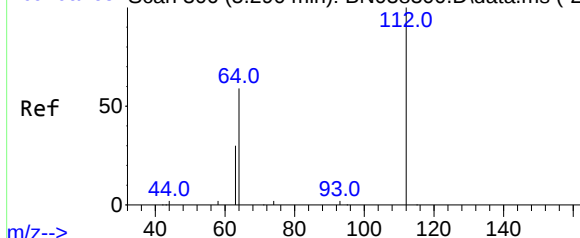
Abundance



Abundance Scan 59 (3.507 min): BN038358.D\data.ms (-37)



Abundance Scan 306 (5.290 min): BN038300.D\data.ms (-29)



#4

2-Fluorophenol

Concen: 0.359 ng

RT: 5.290 min Scan# 306

Delta R.T. 0.000 min

Lab File: BN038358.D

Acq: 12 Dec 2025 19:03

Tgt Ion:112 Resp: 4917

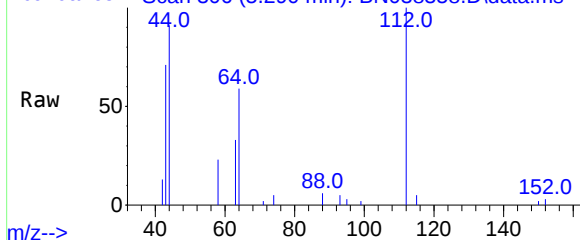
Ion Ratio Lower Upper

112 100

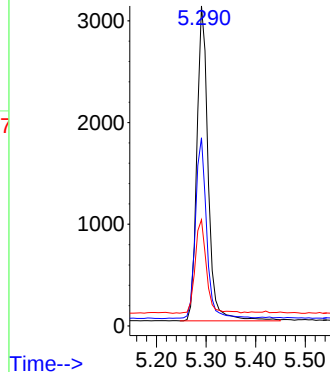
64 56.8 44.4 66.6

63 29.4 23.4 35.0

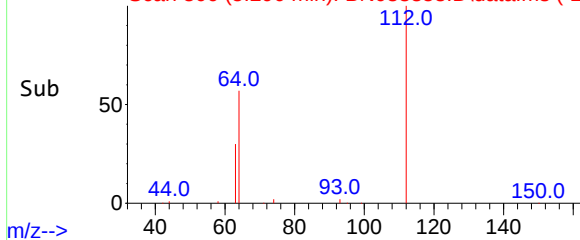
Abundance Scan 306 (5.290 min): BN038358.D\data.ms

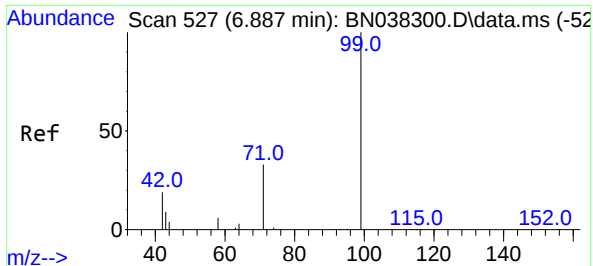


Abundance



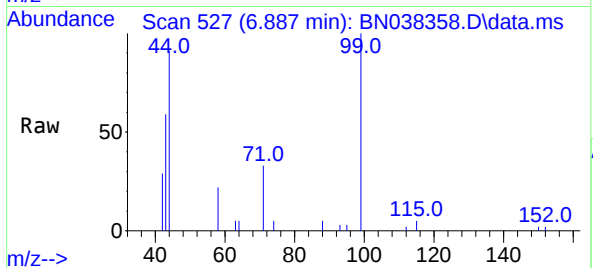
Abundance Scan 306 (5.290 min): BN038358.D\data.ms (-27)





#5
Phenol-d6
Concen: 0.335 ng
RT: 6.887 min Scan# 51
Delta R.T. 0.000 min
Lab File: BN038358.D
Acq: 12 Dec 2025 19:03

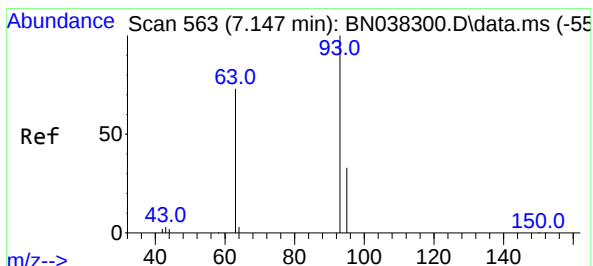
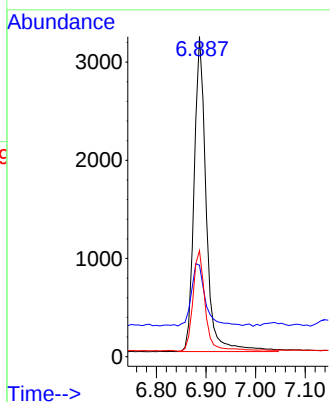
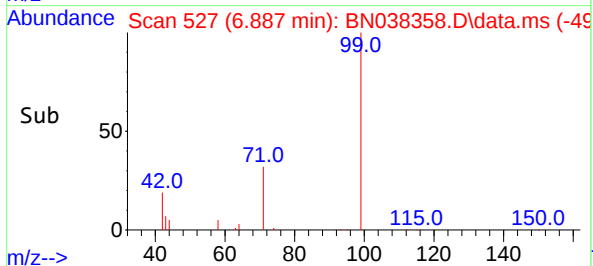
Instrument :
BNA_N
ClientSampleId :
PB170912BSD



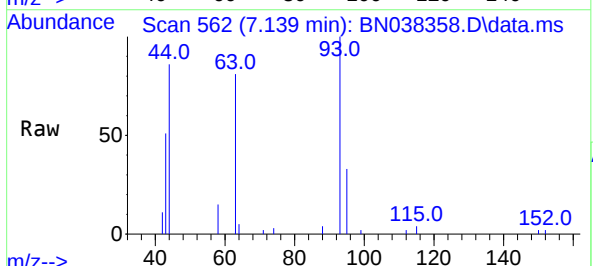
Tgt Ion: 99 Resp: 5454
Ion Ratio Lower Upper
99 100
42 22.5 16.5 24.7
71 32.2 24.9 37.3

Manual Integrations
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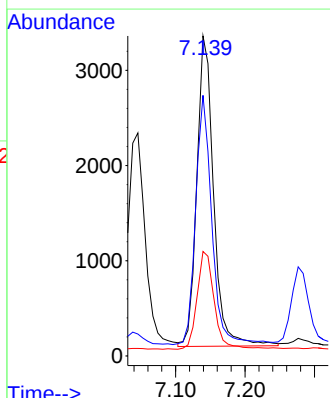
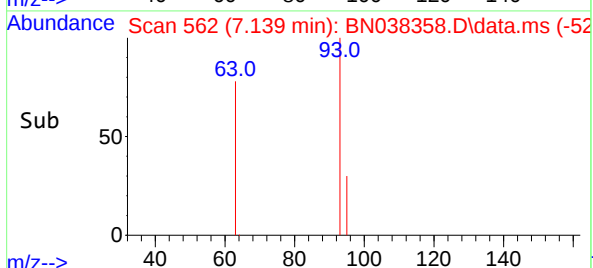
Reviewed By :Rahul Chavli 12/15/2025
Supervised By :Jagrut Upadhyay 12/15/2025

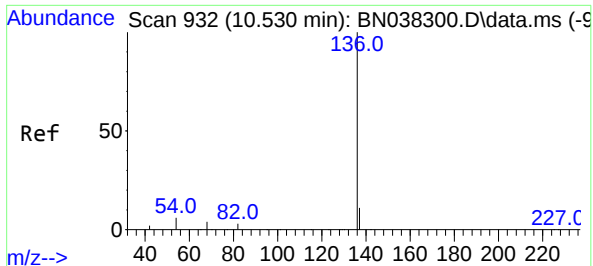


#6
bis(2-Chloroethyl)ether
Concen: 0.344 ng
RT: 7.139 min Scan# 562
Delta R.T. -0.007 min
Lab File: BN038358.D
Acq: 12 Dec 2025 19:03



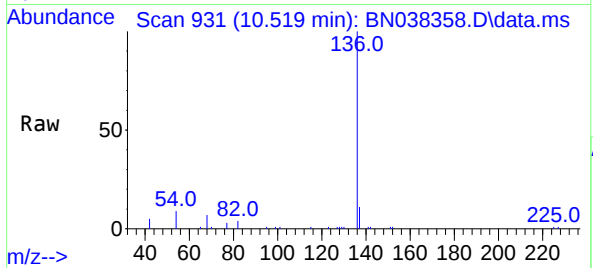
Tgt Ion: 93 Resp: 5483
Ion Ratio Lower Upper
93 100
63 77.9 59.2 88.8
95 32.6 25.2 37.8





#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.519 min Scan# 91
Delta R.T. -0.011 min
Lab File: BN038358.D
Acq: 12 Dec 2025 19:03

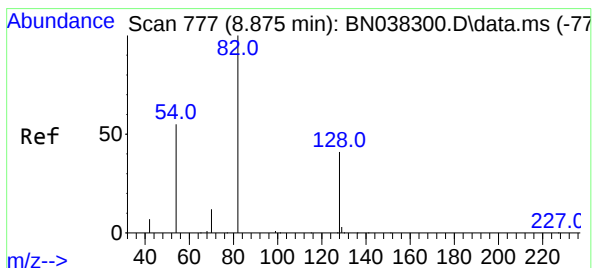
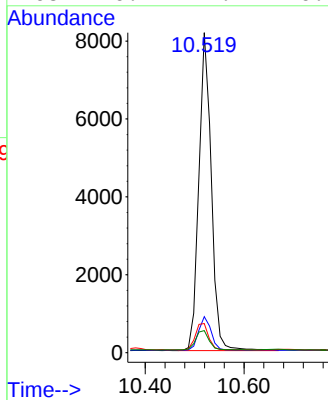
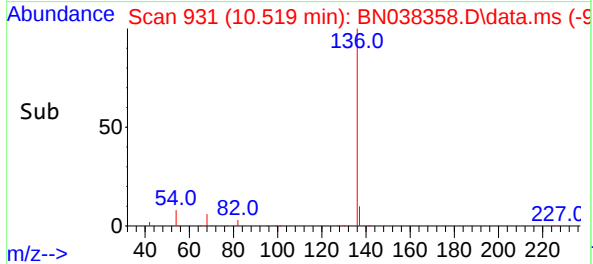
Instrument :
BNA_N
ClientSampleId :
PB170912BSD



Tgt Ion:136 Resp: 1424
Ion Ratio Lower Upper
136 100
137 11.2 9.1 13.7
54 9.1 5.2 7.8
68 6.9 4.1 6.1#

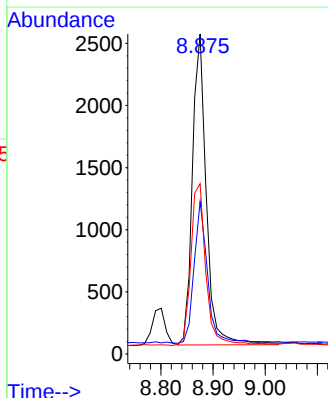
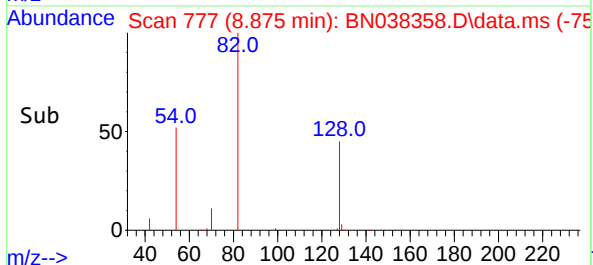
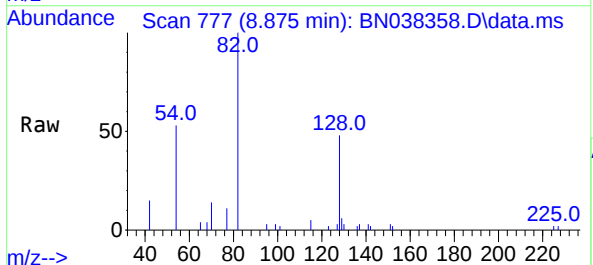
Manual Integrations
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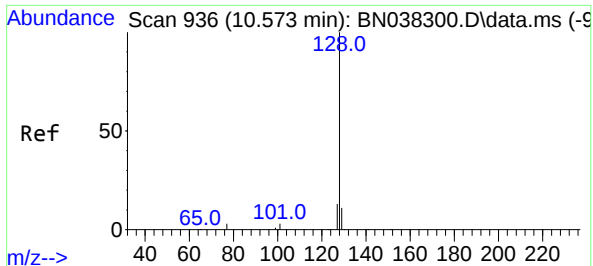
Reviewed By :Rahul Chavli 12/15/2025
Supervised By :Jagrut Upadhyay 12/15/2025



#8
Nitrobenzene-d5
Concen: 0.387 ng
RT: 8.875 min Scan# 777
Delta R.T. 0.000 min
Lab File: BN038358.D
Acq: 12 Dec 2025 19:03

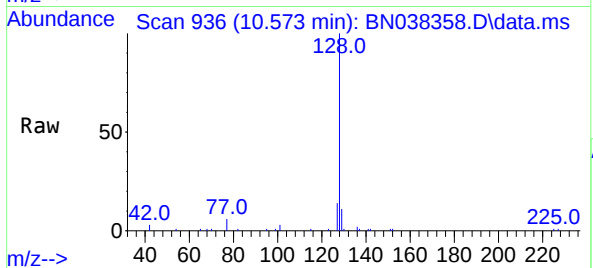
Tgt Ion: 82 Resp: 4653
Ion Ratio Lower Upper
82 100
128 47.7 34.0 51.0
54 53.2 44.4 66.6





#9
Naphthalene
Concen: 0.341 ng
RT: 10.573 min Scan# 91
Delta R.T. 0.000 min
Lab File: BN038358.D
Acq: 12 Dec 2025 19:03

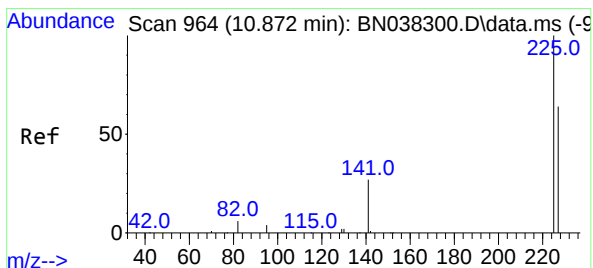
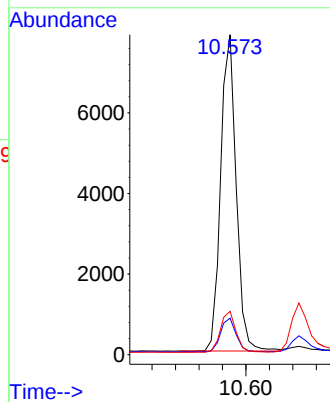
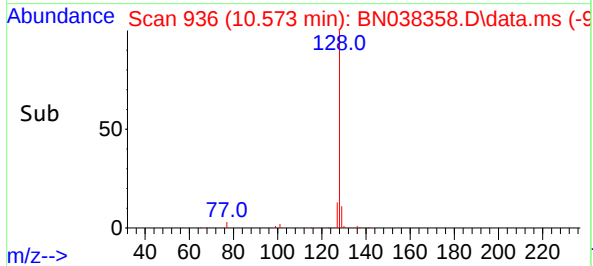
Instrument :
BNA_N
ClientSampleId :
PB170912BSD



Tgt Ion:128 Resp: 14349
Ion Ratio Lower Upper
128 100
129 11.4 9.1 13.7
127 13.6 10.9 16.3

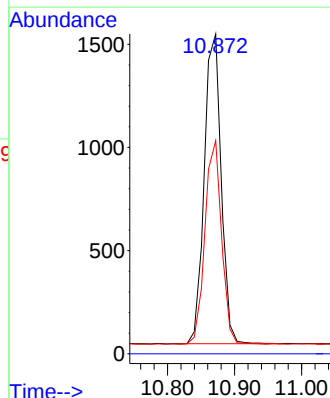
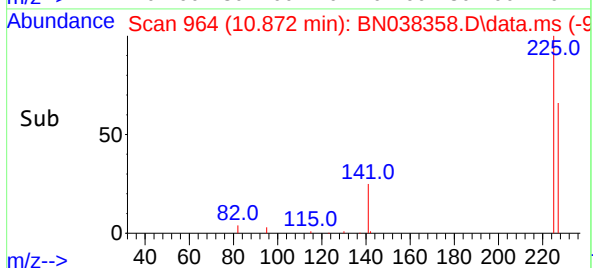
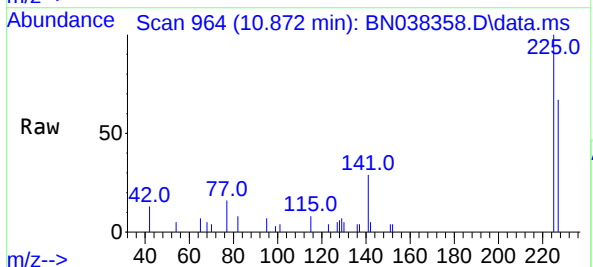
Manual Integrations
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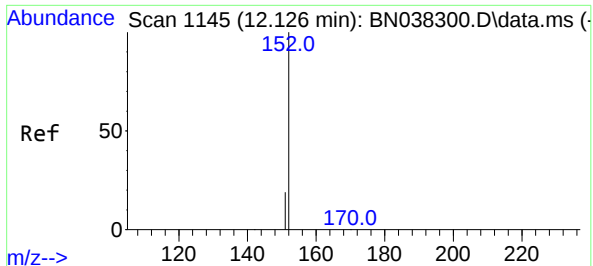
Reviewed By :Rahul Chavli 12/15/2025
Supervised By :Jagrut Upadhyay 12/15/2025



#10
Hexachlorobutadiene
Concen: 0.352 ng
RT: 10.872 min Scan# 964
Delta R.T. 0.000 min
Lab File: BN038358.D
Acq: 12 Dec 2025 19:03

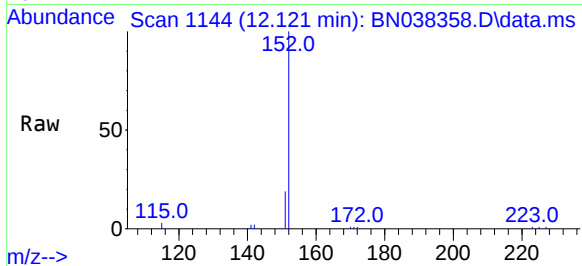
Tgt Ion:225 Resp: 2638
Ion Ratio Lower Upper
225 100
223 0.0 0.0 0.0
227 64.5 51.2 76.8





#11
2-Methylnaphthalene-d10
Concen: 0.379 ng m
RT: 12.121 min Scan# 1144
Delta R.T. -0.005 min
Lab File: BN038358.D
Acq: 12 Dec 2025 19:03

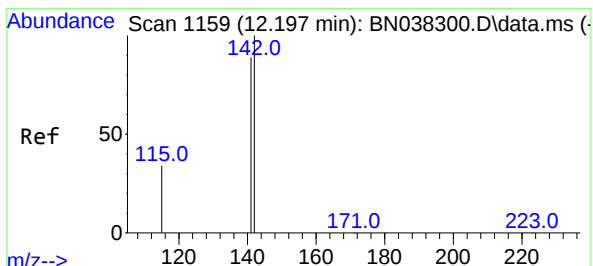
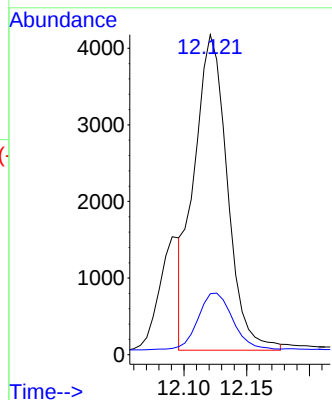
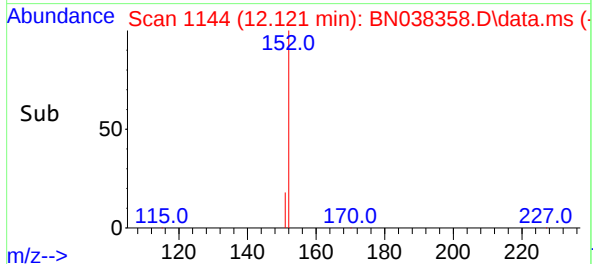
Instrument :
BNA_N
ClientSampleId :
PB170912BSD



Tgt Ion:152 Resp: 7618
Ion Ratio Lower Upper
152 100
151 19.0 17.0 25.6

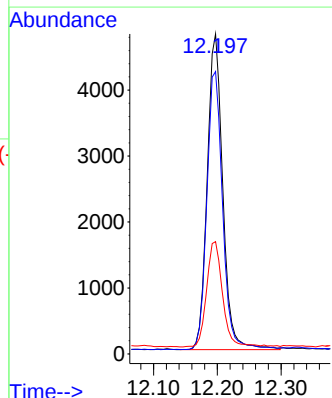
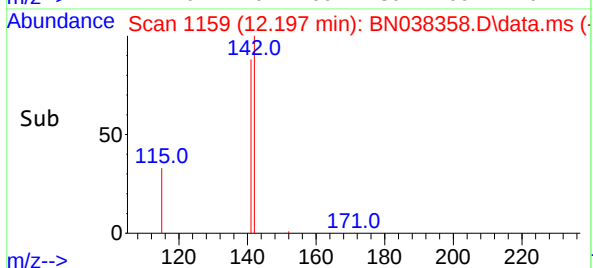
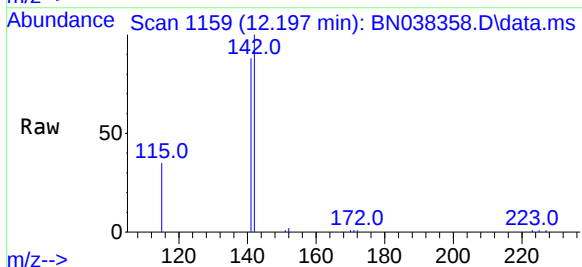
Manual Integrations
APPROVED

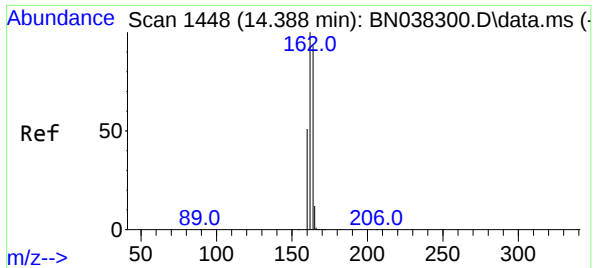
Reviewed By :Rahul Chavli 12/15/2025
Supervised By :Jagrut Upadhyay 12/15/2025



#12
2-Methylnaphthalene
Concen: 0.303 ng
RT: 12.197 min Scan# 1159
Delta R.T. -0.005 min
Lab File: BN038358.D
Acq: 12 Dec 2025 19:03

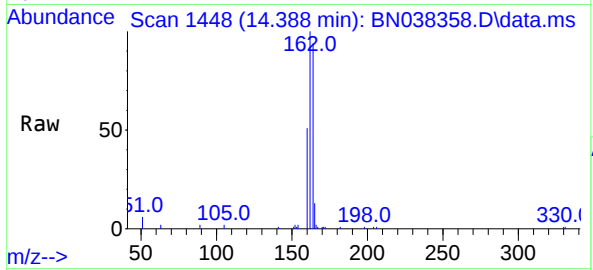
Tgt Ion:142 Resp: 8109
Ion Ratio Lower Upper
142 100
141 88.2 71.4 107.2
115 35.1 28.4 42.6





#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.388 min Scan# 1448
Delta R.T. -0.011 min
Lab File: BN038358.D
Acq: 12 Dec 2025 19:03

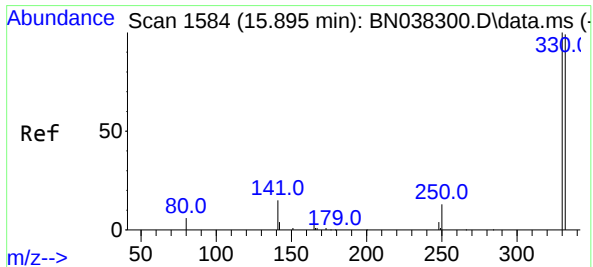
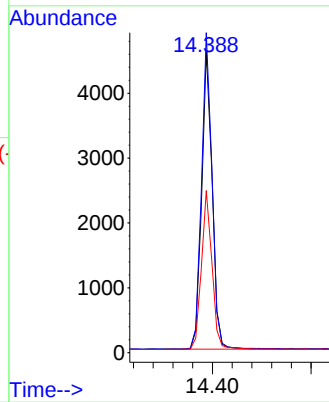
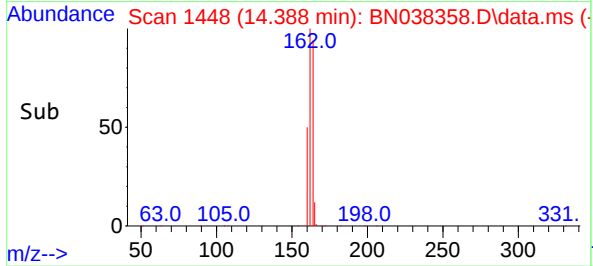
Instrument :
BNA_N
ClientSampleId :
PB170912BSD



Tgt Ion:164 Resp: 6818
Ion Ratio Lower Upper
164 100
162 106.2 86.2 129.4
160 53.7 44.6 67.0

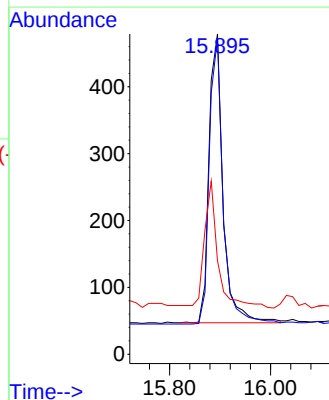
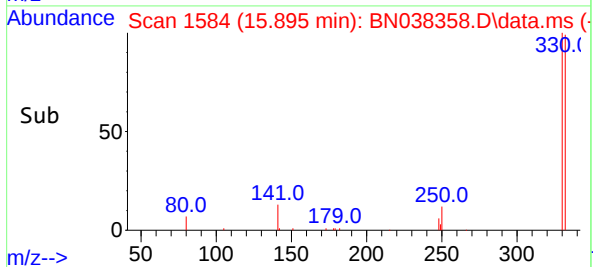
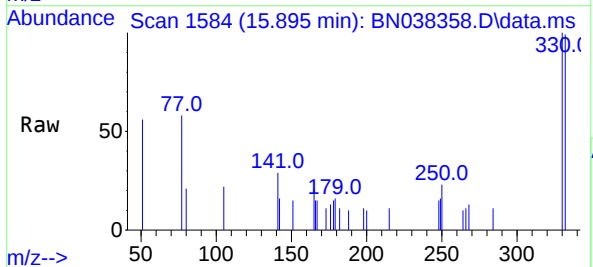
Manual Integrations
APPROVED

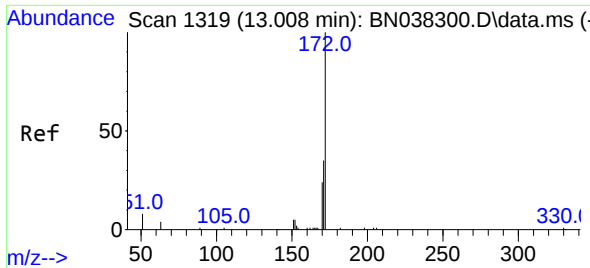
Reviewed By :Rahul Chavli 12/15/2025
Supervised By :Jagrut Upadhyay 12/15/2025



#14
2,4,6-Tribromophenol
Concen: 0.276 ng
RT: 15.895 min Scan# 1584
Delta R.T. 0.000 min
Lab File: BN038358.D
Acq: 12 Dec 2025 19:03

Tgt Ion:330 Resp: 836
Ion Ratio Lower Upper
330 100
332 97.4 75.8 113.6
141 42.3 31.8 47.8





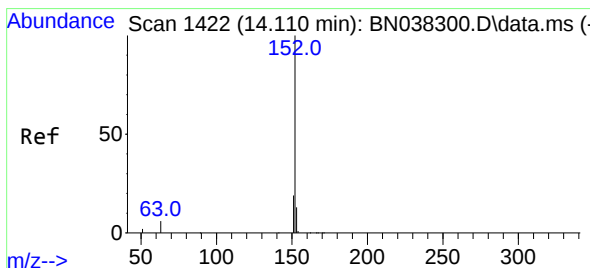
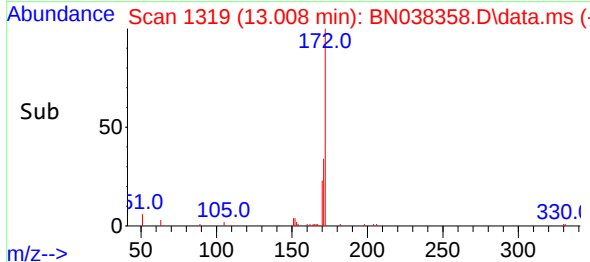
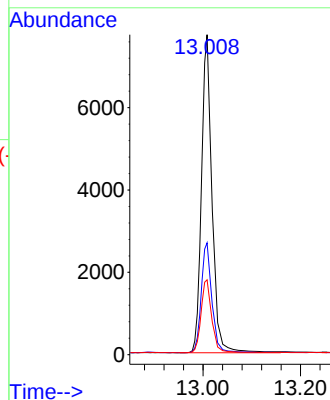
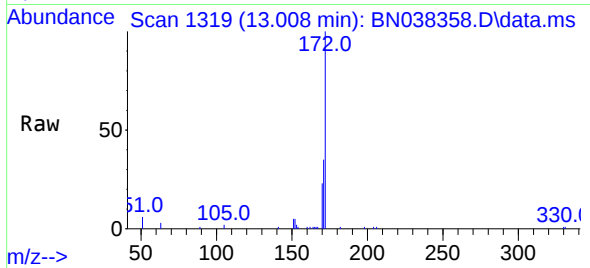
#15
2-Fluorobiphenyl
Concen: 0.423 ng
RT: 13.008 min Scan# 1319
Delta R.T. 0.000 min
Lab File: BN038358.D
Acq: 12 Dec 2025 19:03

Instrument :
BNA_N
ClientSampleId :
PB170912BSD

Tgt Ion:172 Resp: 13910
Ion Ratio Lower Upper
172 100
171 35.0 28.6 42.8
170 23.4 19.3 28.9

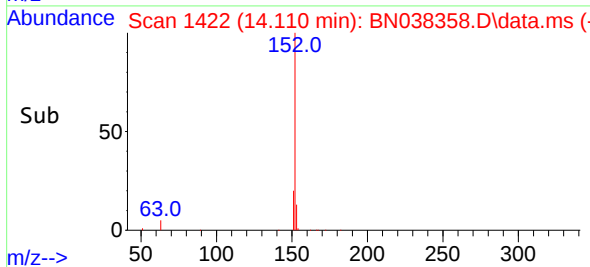
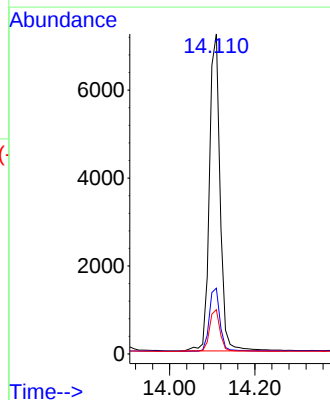
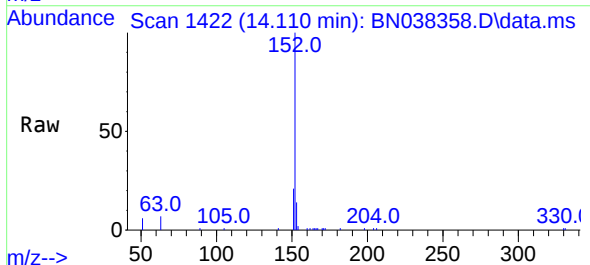
Manual Integrations
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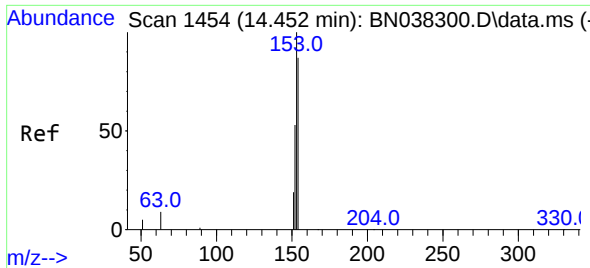
Reviewed By :Rahul Chavli 12/15/2025
Supervised By :Jagrut Upadhyay 12/15/2025



#16
Acenaphthylene
Concen: 0.375 ng
RT: 14.110 min Scan# 1422
Delta R.T. 0.000 min
Lab File: BN038358.D
Acq: 12 Dec 2025 19:03

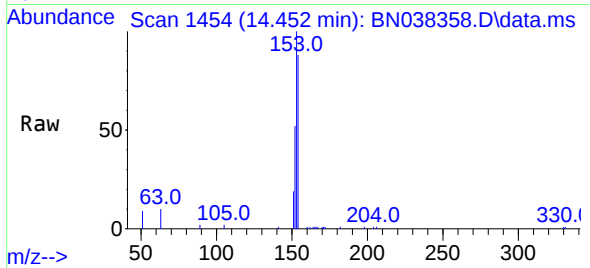
Tgt Ion:152 Resp: 12558
Ion Ratio Lower Upper
152 100
151 20.2 15.4 23.2
153 13.0 10.2 15.4





#17
Acenaphthene
Concen: 0.325 ng
RT: 14.452 min Scan# 1454
Delta R.T. -0.011 min
Lab File: BN038358.D
Acq: 12 Dec 2025 19:03

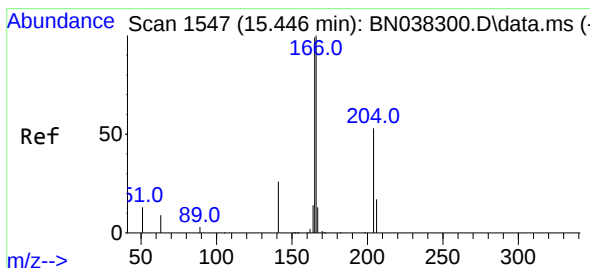
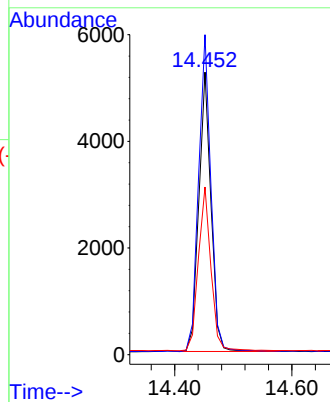
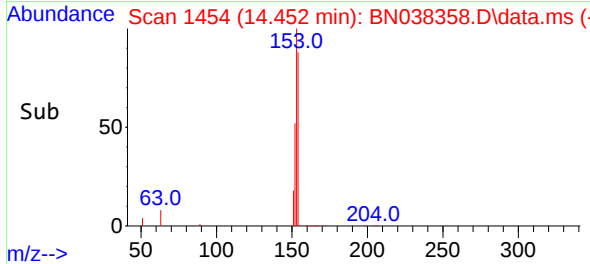
Instrument :
BNA_N
ClientSampleId :
PB170912BSD



Tgt Ion:154 Resp: 7570
Ion Ratio Lower Upper
154 100
153 114.9 89.8 134.8
152 60.5 47.5 71.3

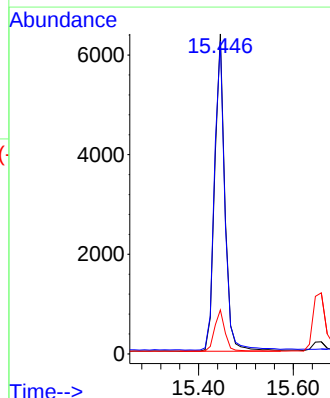
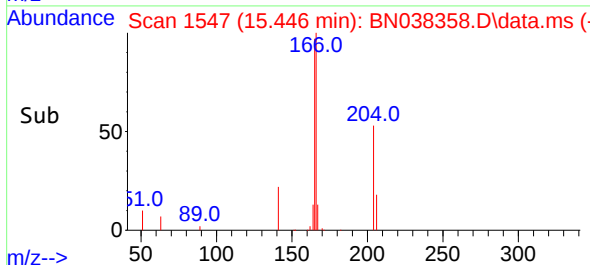
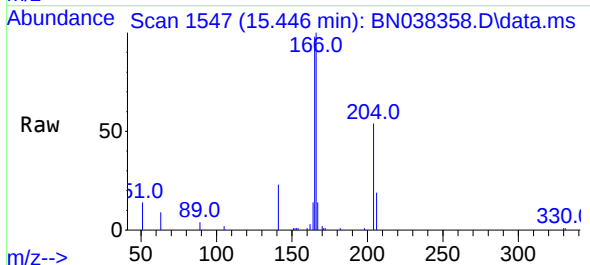
Manual Integrations
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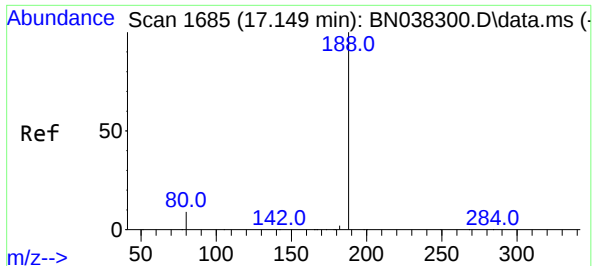
Reviewed By :Rahul Chavli 12/15/2025
Supervised By :Jagrut Upadhyay 12/15/2025



#18
Fluorene
Concen: 0.327 ng
RT: 15.446 min Scan# 1547
Delta R.T. -0.000 min
Lab File: BN038358.D
Acq: 12 Dec 2025 19:03

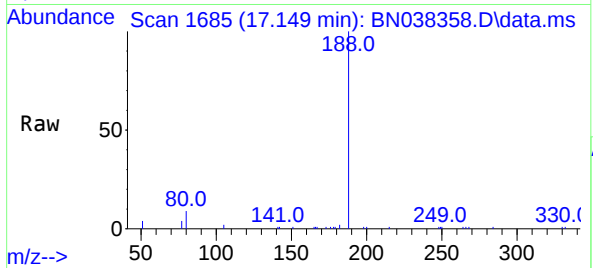
Tgt Ion:166 Resp: 9826
Ion Ratio Lower Upper
166 100
165 100.1 80.2 120.4
167 13.4 10.6 16.0





#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.149 min Scan# 1685
Delta R.T. 0.000 min
Lab File: BN038358.D
Acq: 12 Dec 2025 19:03

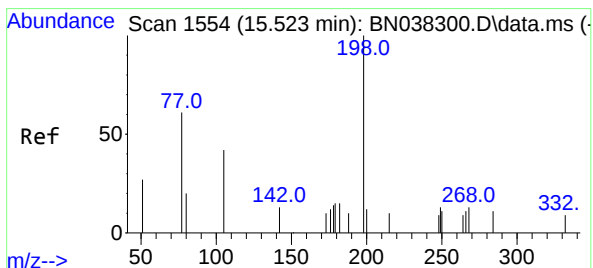
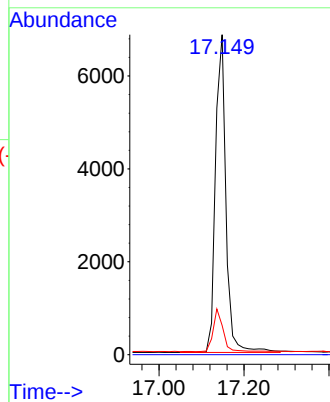
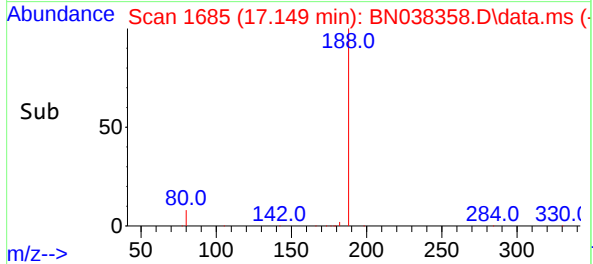
Instrument :
BNA_N
ClientSampleId :
PB170912BSD



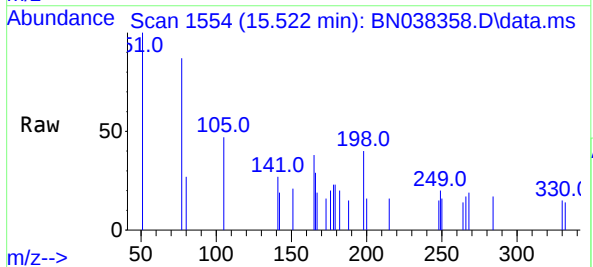
Tgt Ion:188 Resp: 1166
Ion Ratio Lower Upper
188 100
94 0.0 0.0 0.0
80 9.1 7.4 11.0

Manual Integrations
APPROVED

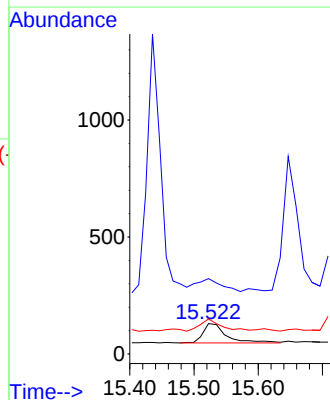
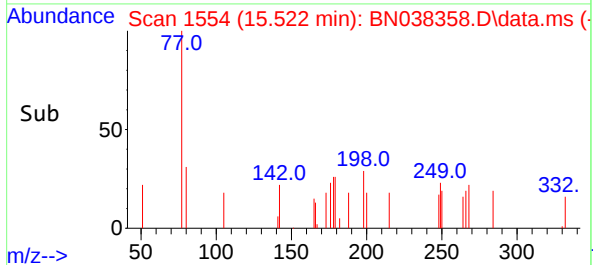
Reviewed By :Rahul Chavli 12/15/2025
Supervised By :Jagrut Upadhyay 12/15/2025

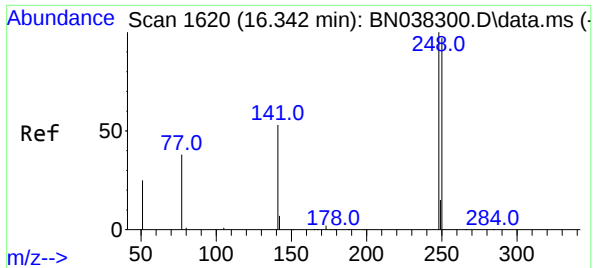


#20
4,6-Dinitro-2-methylphenol
Concen: 0.108 ng
RT: 15.522 min Scan# 1554
Delta R.T. 0.000 min
Lab File: BN038358.D
Acq: 12 Dec 2025 19:03



Tgt Ion:198 Resp: 208
Ion Ratio Lower Upper
198 100
51 247.7 86.3 129.5#
105 115.4 45.3 67.9#





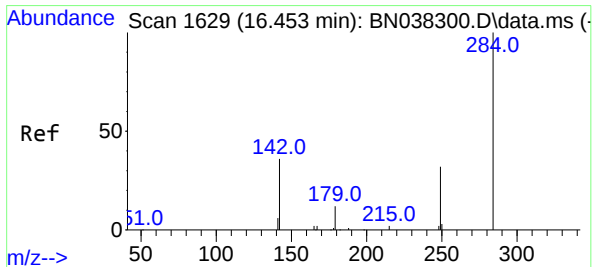
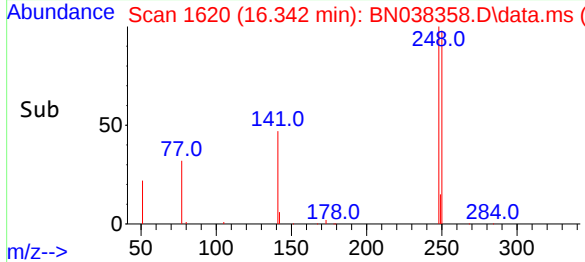
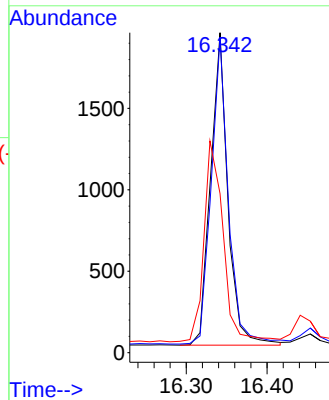
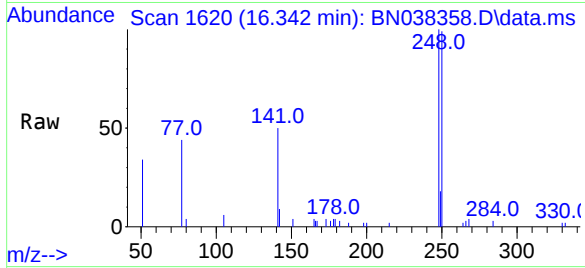
#21
4-Bromophenyl-phenylether
Concen: 0.329 ng
RT: 16.342 min Scan# 1620
Delta R.T. -0.000 min
Lab File: BN038358.D
Acq: 12 Dec 2025 19:03

Instrument :
BNA_N
ClientSampleId :
PB170912BSD

Tgt Ion:248 Resp: 285
Ion Ratio Lower Upper
248 100
250 98.6 78.2 117.2
141 49.7 43.7 65.5

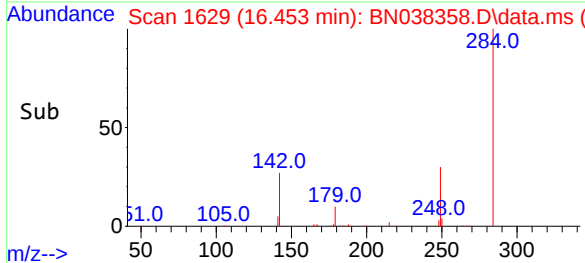
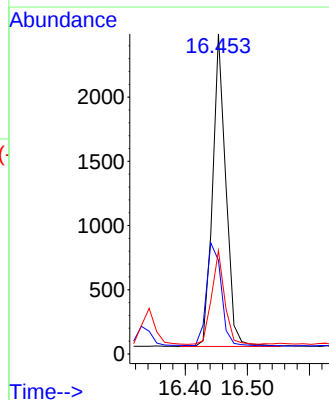
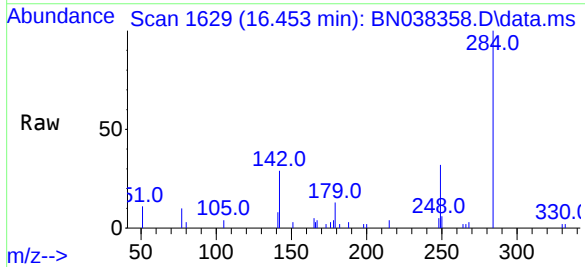
Manual Integrations
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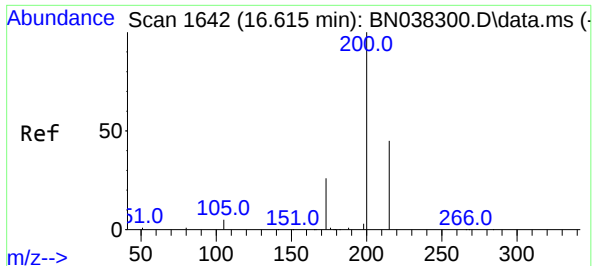
Reviewed By :Rahul Chavli 12/15/2025
Supervised By :Jagrut Upadhyay 12/15/2025



#22
Hexachlorobenzene
Concen: 0.347 ng
RT: 16.453 min Scan# 1629
Delta R.T. -0.012 min
Lab File: BN038358.D
Acq: 12 Dec 2025 19:03

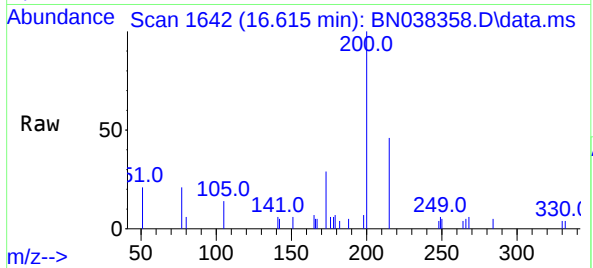
Tgt Ion:284 Resp: 3612
Ion Ratio Lower Upper
284 100
142 37.4 29.5 44.3
249 29.6 23.7 35.5





#23
Atrazine
Concen: 0.330 ng
RT: 16.615 min Scan# 1642
Delta R.T. 0.000 min
Lab File: BN038358.D
Acq: 12 Dec 2025 19:03

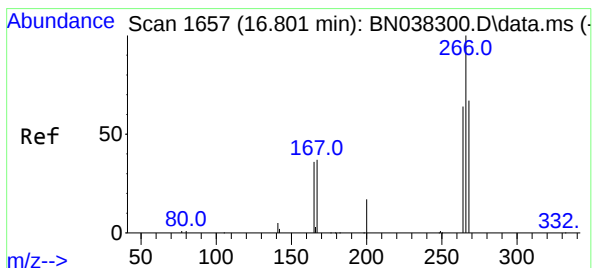
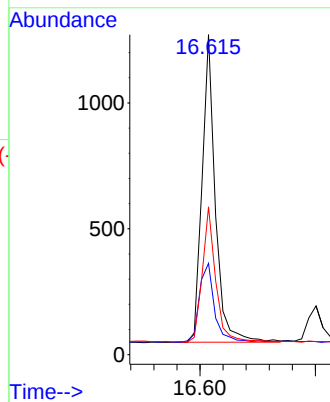
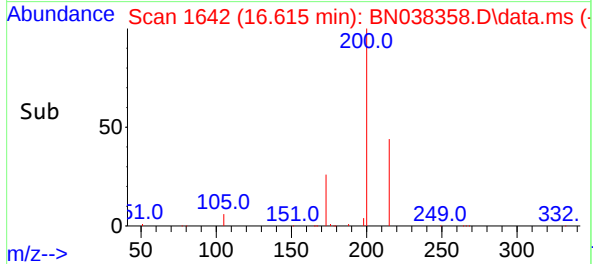
Instrument :
BNA_N
ClientSampleId :
PB170912BSD



Tgt Ion:200 Resp: 1948
Ion Ratio Lower Upper
200 100
173 28.6 22.1 33.1
215 46.2 37.4 56.2

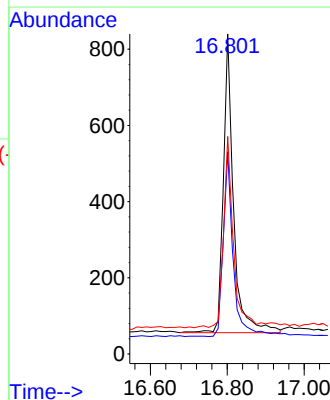
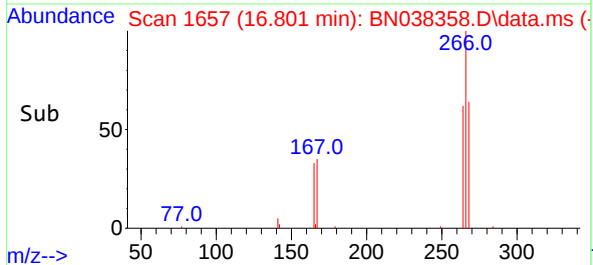
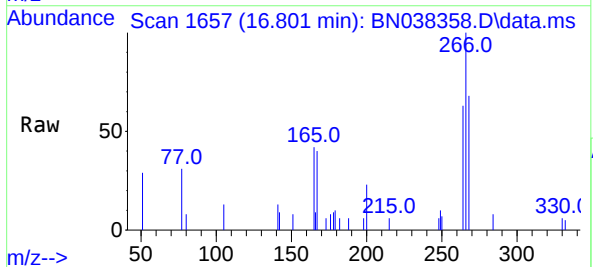
Manual Integrations
APPROVED

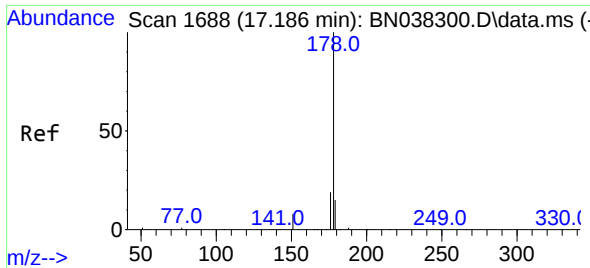
Reviewed By :Rahul Chavli 12/15/2025
Supervised By :Jagrut Upadhyay 12/15/2025



#24
Pentachlorophenol
Concen: 0.356 ng
RT: 16.801 min Scan# 1657
Delta R.T. 0.000 min
Lab File: BN038358.D
Acq: 12 Dec 2025 19:03

Tgt Ion:266 Resp: 1446
Ion Ratio Lower Upper
266 100
264 60.9 50.2 75.2
268 62.3 52.6 78.8





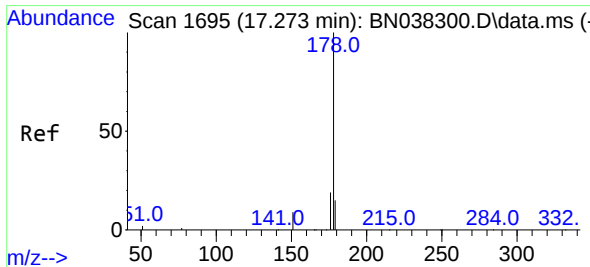
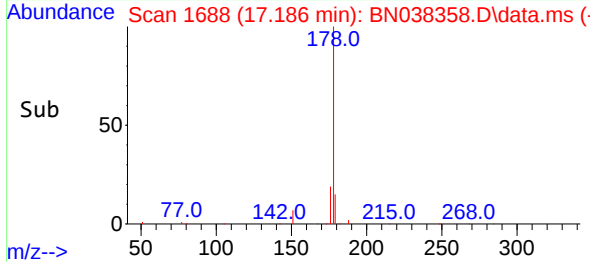
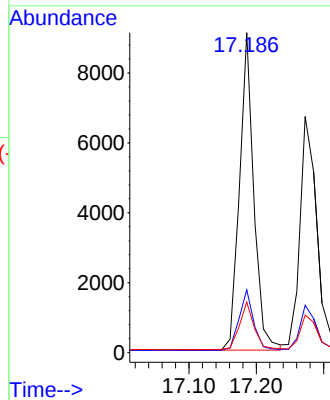
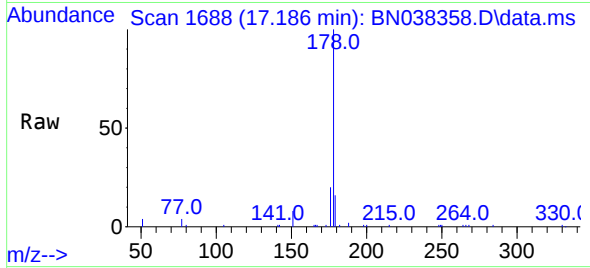
#25
Phenanthrene
Concen: 0.331 ng
RT: 17.186 min Scan# 1688
Delta R.T. 0.000 min
Lab File: BN038358.D
Acq: 12 Dec 2025 19:03

Instrument :
BNA_N
ClientSampleId :
PB170912BSD

Tgt Ion:178 Resp: 13452
Ion Ratio Lower Upper
178 100
176 19.4 15.5 23.3
179 15.5 12.2 18.2

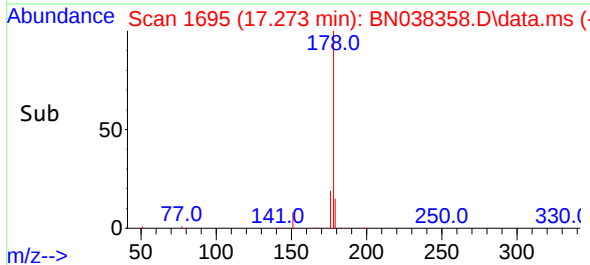
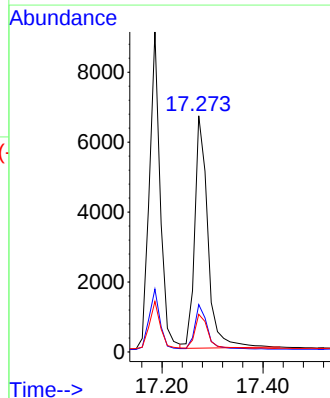
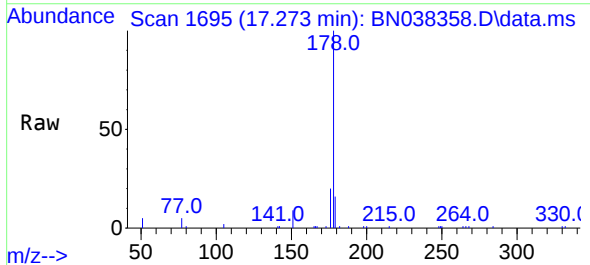
Manual Integrations
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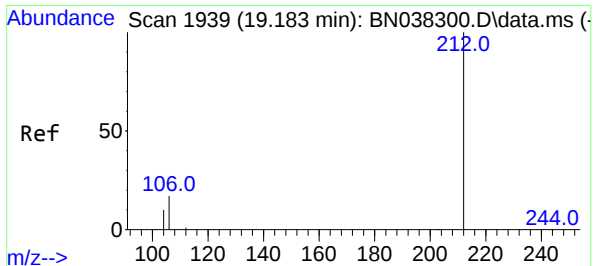
Reviewed By :Rahul Chavli 12/15/2025
Supervised By :Jagrut Upadhyay 12/15/2025



#26
Anthracene
Concen: 0.343 ng
RT: 17.273 min Scan# 1695
Delta R.T. -0.012 min
Lab File: BN038358.D
Acq: 12 Dec 2025 19:03

Tgt Ion:178 Resp: 12005
Ion Ratio Lower Upper
178 100
176 18.9 15.1 22.7
179 15.1 12.0 18.0





#27

Fluoranthene-d10

Concen: 0.335 ng

RT: 19.183 min Scan# 1939

Delta R.T. -0.005 min

Lab File: BN038358.D

Acq: 12 Dec 2025 19:03

Instrument :

BNA_N

ClientSampleId :

PB170912BSD

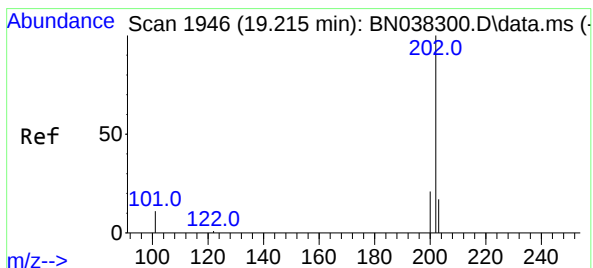
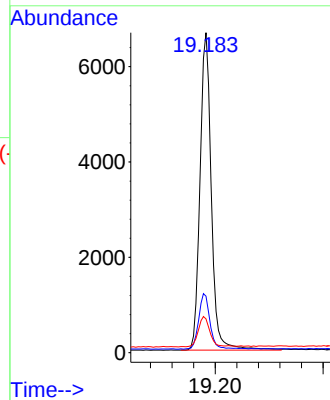
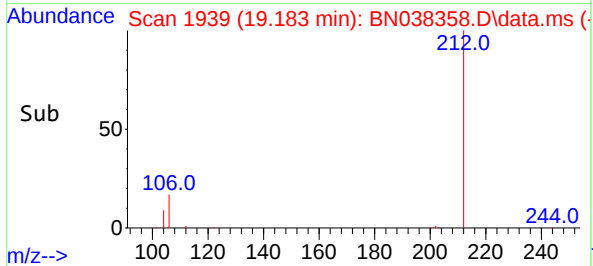
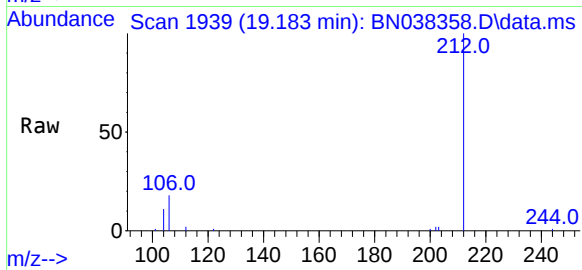
Tgt Ion:	212	Resp:	967
Ion Ratio	Lower	Upper	
212	100		
106	17.5	13.7	20.5
104	9.8	7.8	11.8

Manual Integrations

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Reviewed By :Rahul Chavli 12/15/2025

Supervised By :Jagrut Upadhyay 12/15/2025



#28

Fluoranthene

Concen: 0.308 ng

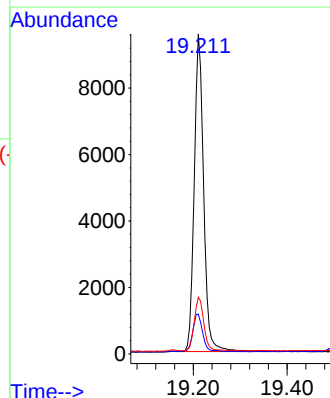
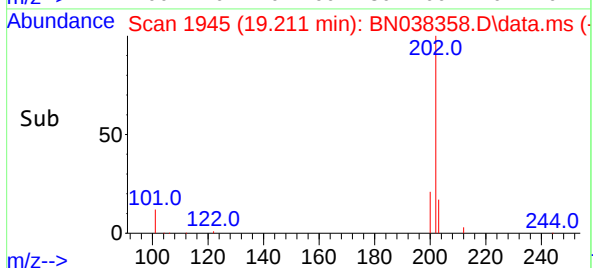
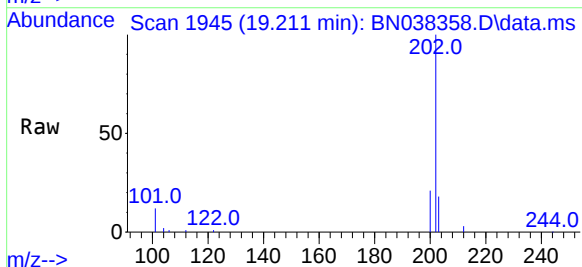
RT: 19.211 min Scan# 1945

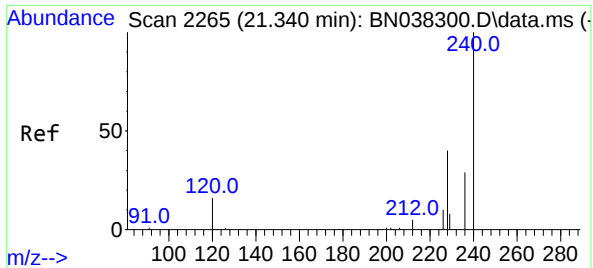
Delta R.T. -0.009 min

Lab File: BN038358.D

Acq: 12 Dec 2025 19:03

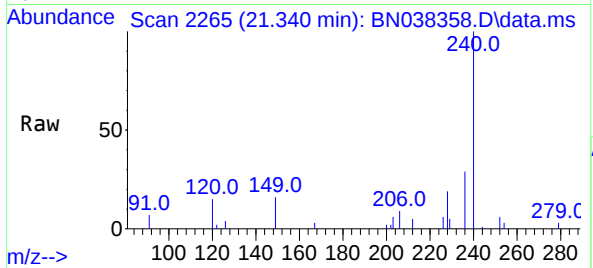
Tgt Ion:	202	Resp:	13300
Ion Ratio	Lower	Upper	
202	100		
101	12.1	9.6	14.4
203	17.2	13.5	20.3





#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.340 min Scan# 21
Delta R.T. 0.000 min
Lab File: BN038358.D
Acq: 12 Dec 2025 19:03

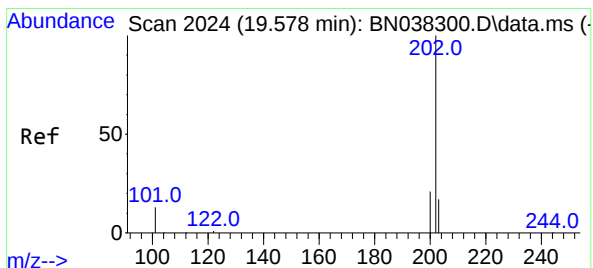
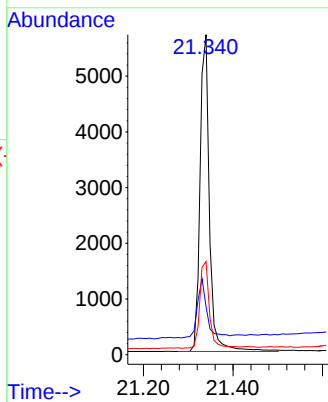
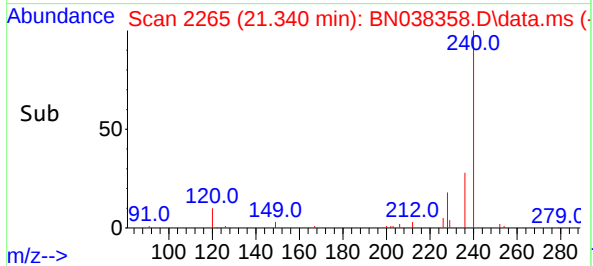
Instrument :
BNA_N
ClientSampleId :
PB170912BSD



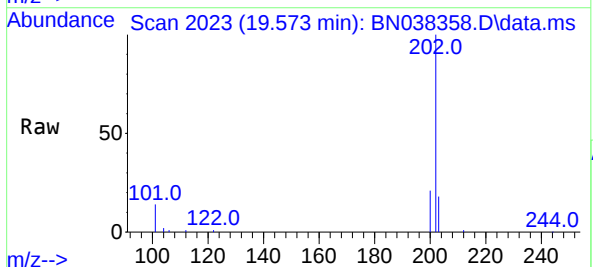
Tgt Ion:240 Resp: 830
Ion Ratio Lower Upper
240 100
120 15.0 15.4 23.2
236 29.1 23.9 35.9

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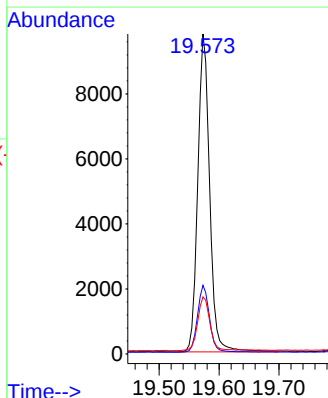
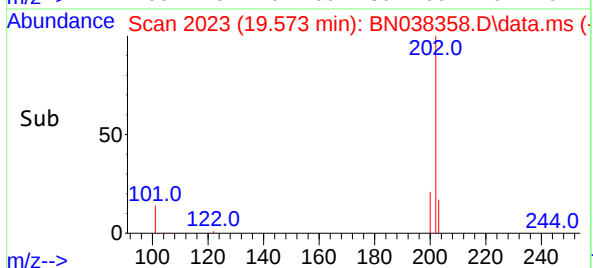
Reviewed By :Rahul Chavli 12/15/2025
Supervised By :Jagrut Upadhyay 12/15/2025

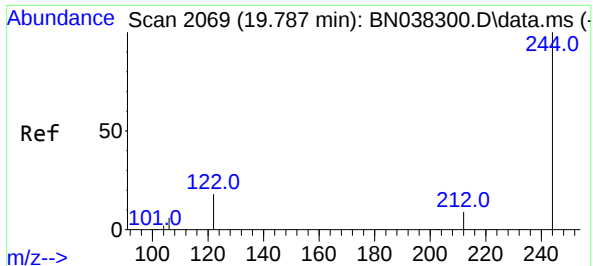


#30
Pyrene
Concen: 0.330 ng
RT: 19.573 min Scan# 2023
Delta R.T. -0.009 min
Lab File: BN038358.D
Acq: 12 Dec 2025 19:03



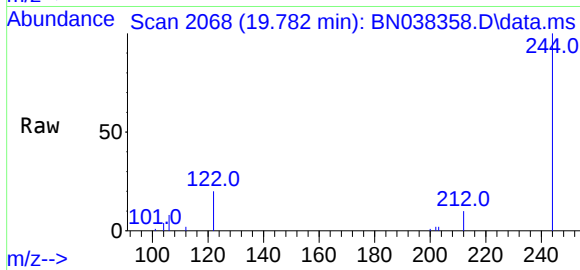
Tgt Ion:202 Resp: 13499
Ion Ratio Lower Upper
202 100
200 21.2 16.9 25.3
203 17.2 14.2 21.2





#31
Terphenyl-d14
Concen: 0.402 ng
RT: 19.782 min Scan# 2068
Delta R.T. -0.009 min
Lab File: BN038358.D
Acq: 12 Dec 2025 19:03

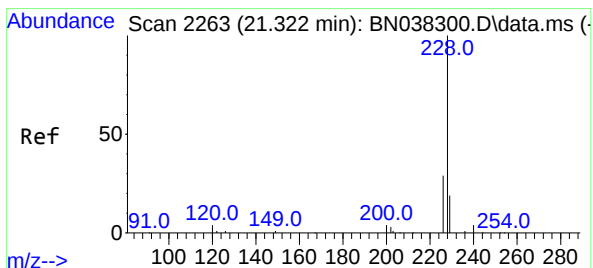
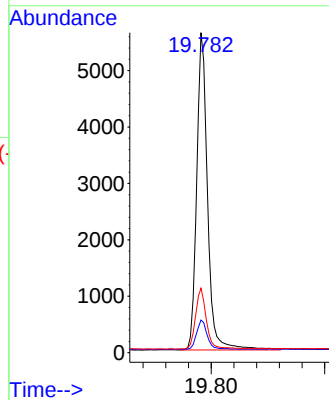
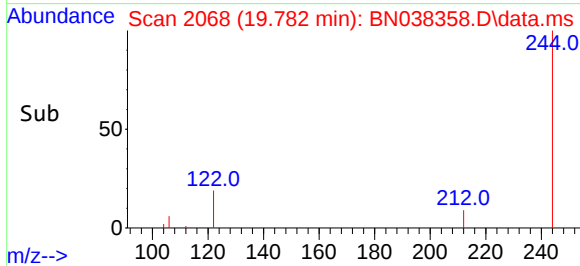
Instrument :
BNA_N
ClientSampleId :
PB170912BSD



Tgt Ion:244 Resp: 744
Ion Ratio Lower Upper
244 100
212 10.2 7.9 11.9
122 20.1 15.0 22.6

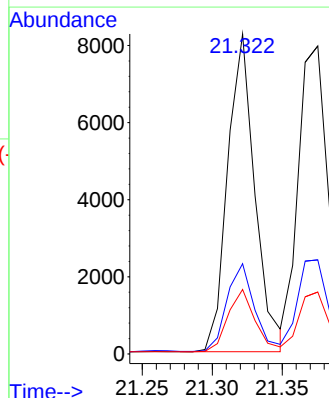
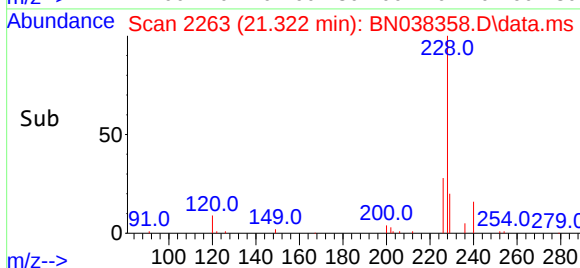
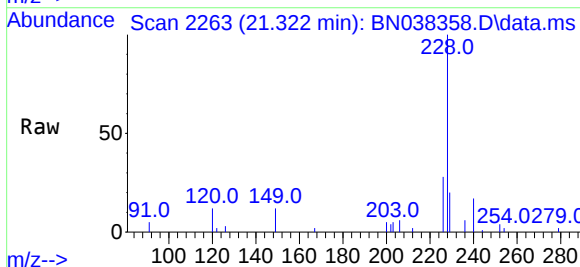
Manual Integrations
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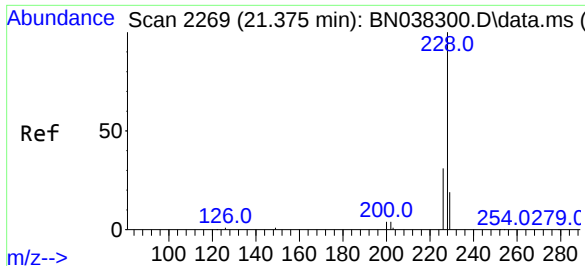
Reviewed By :Rahul Chavli 12/15/2025
Supervised By :Jagrut Upadhyay 12/15/2025



#32
Benzo(a)anthracene
Concen: 0.349 ng
RT: 21.322 min Scan# 2263
Delta R.T. -0.009 min
Lab File: BN038358.D
Acq: 12 Dec 2025 19:03

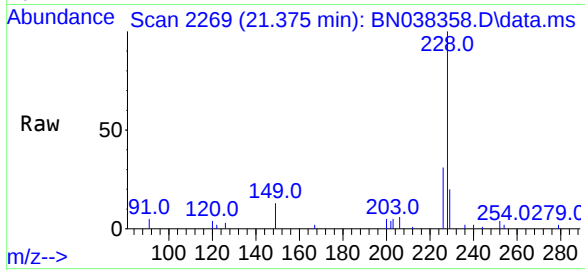
Tgt Ion:228 Resp: 11195
Ion Ratio Lower Upper
228 100
226 28.2 23.3 34.9
229 20.1 15.7 23.5





#33
Chrysene
Concen: 0.354 ng
RT: 21.375 min Scan# 2126
Delta R.T. 0.000 min
Lab File: BN038358.D
Acq: 12 Dec 2025 19:03

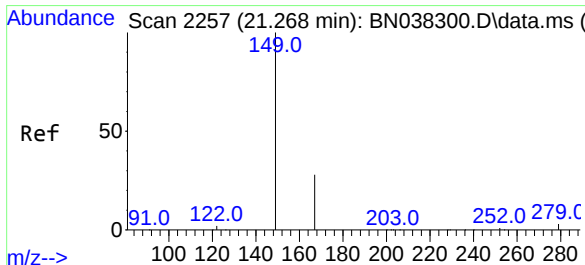
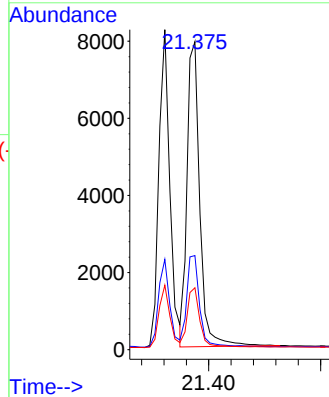
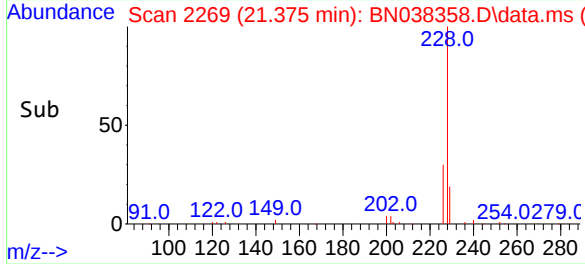
Instrument :
BNA_N
ClientSampleId :
PB170912BSD



Tgt Ion:228 Resp: 12514
Ion Ratio Lower Upper
228 100
226 30.6 25.0 37.4
229 20.1 15.5 23.3

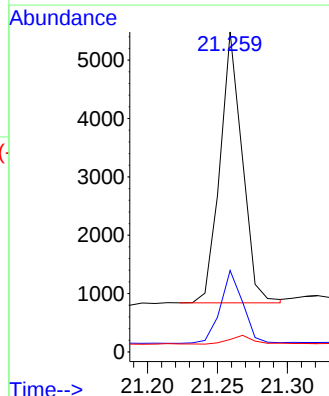
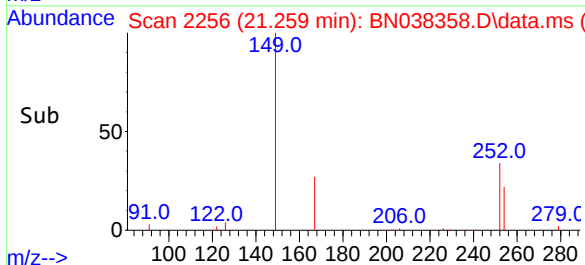
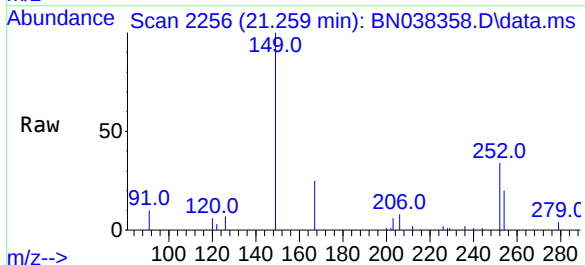
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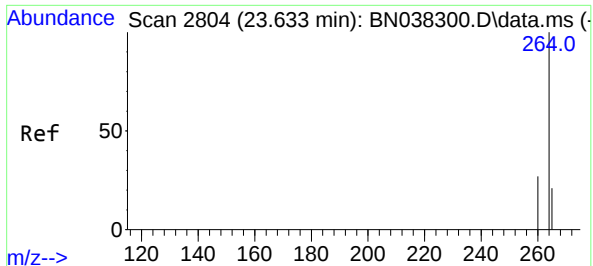
Reviewed By :Rahul Chavli 12/15/2025
Supervised By :Jagrut Upadhyay 12/15/2025



#34
Bis(2-ethylhexyl)phthalate
Concen: 0.292 ng
RT: 21.259 min Scan# 2256
Delta R.T. -0.009 min
Lab File: BN038358.D
Acq: 12 Dec 2025 19:03

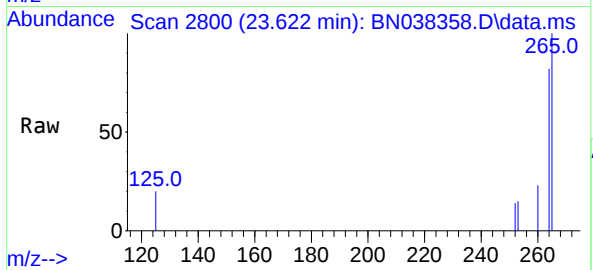
Tgt Ion:149 Resp: 5141
Ion Ratio Lower Upper
149 100
167 27.1 21.4 32.0
279 3.6 2.4 3.6#





#35
Perylene-d12
Concen: 0.400 ng
RT: 23.622 min Scan# 2800
Delta R.T. -0.012 min
Lab File: BN038358.D
Acq: 12 Dec 2025 19:03

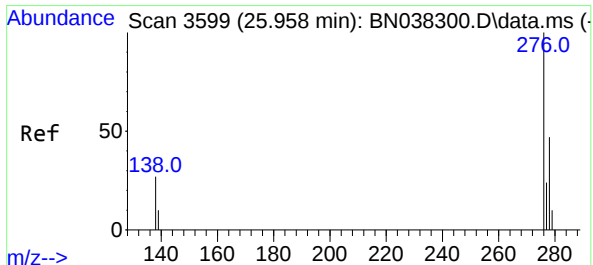
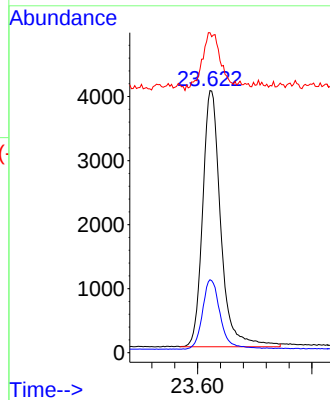
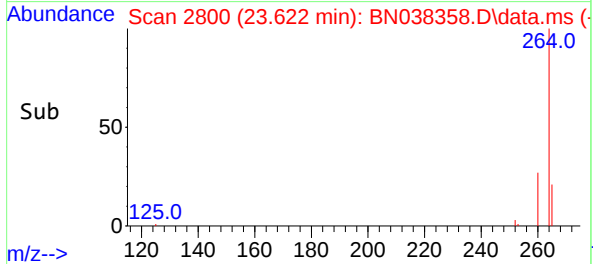
Instrument :
BNA_N
ClientSampleId :
PB170912BSD



Tgt Ion:264 Resp: 880
Ion Ratio Lower Upper
264 100
260 27.8 22.2 33.2
265 122.1 80.2 120.2

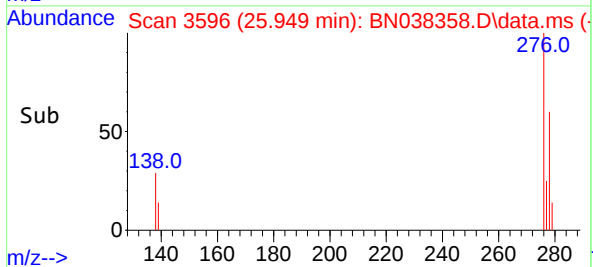
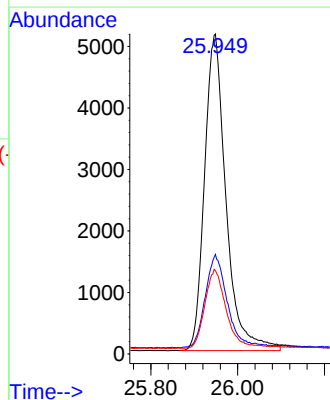
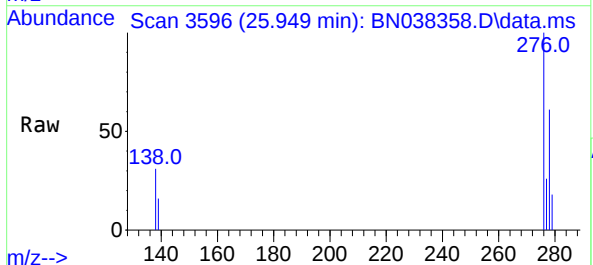
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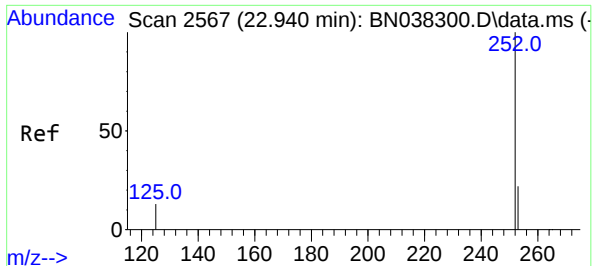
Reviewed By :Rahul Chavli 12/15/2025
Supervised By :Jagrut Upadhyay 12/15/2025



#36
Indeno(1,2,3-cd)pyrene
Concen: 0.379 ng
RT: 25.949 min Scan# 3596
Delta R.T. -0.015 min
Lab File: BN038358.D
Acq: 12 Dec 2025 19:03

Tgt Ion:276 Resp: 17687
Ion Ratio Lower Upper
276 100
138 29.5 23.6 35.4
277 24.6 19.7 29.5





#37

Benzo(b)fluoranthene

Concen: 0.333 ng

RT: 22.935 min Scan# 2565

Delta R.T. -0.012 min

Lab File: BN038358.D

Acq: 12 Dec 2025 19:03

Instrument :

BNA_N

ClientSampleId :

PB170912BSD

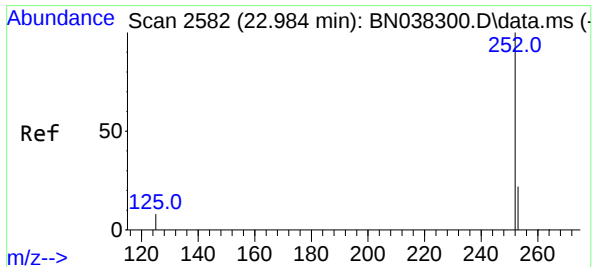
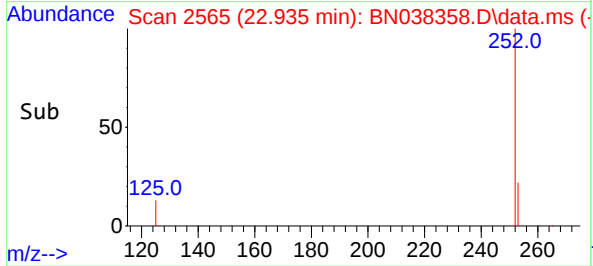
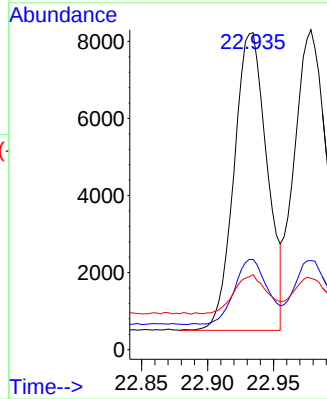
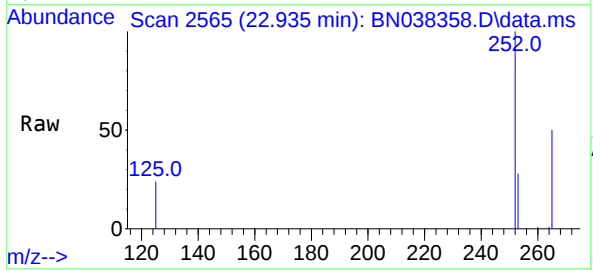
Tgt Ion:	252	Resp:	1345
Ion Ratio	Lower	Upper	
252	100		
253	28.5	21.1	31.7
125	23.7	16.4	24.6

Manual Integrations

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Reviewed By :Rahul Chavli 12/15/2025

Supervised By :Jagrut Upadhyay 12/15/2025



#38

Benzo(k)fluoranthene

Concen: 0.350 ng

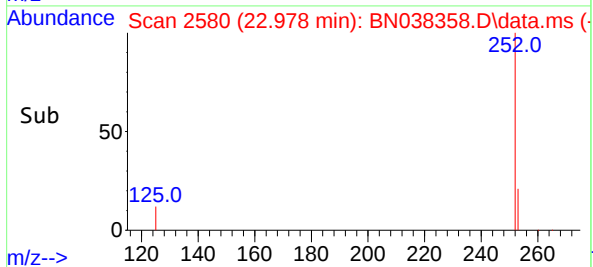
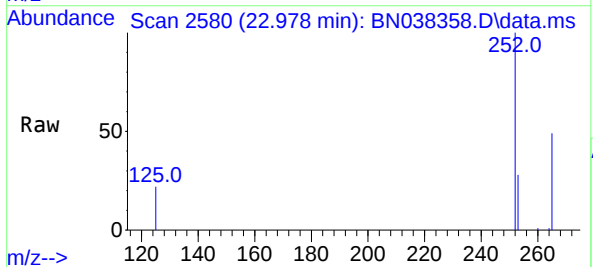
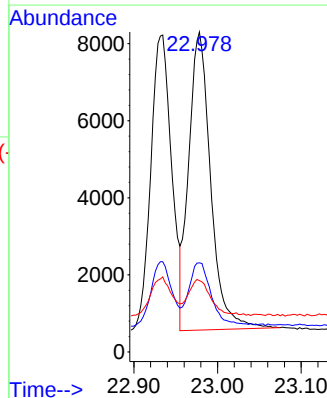
RT: 22.978 min Scan# 2580

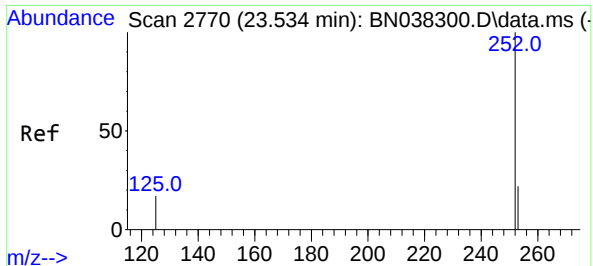
Delta R.T. -0.012 min

Lab File: BN038358.D

Acq: 12 Dec 2025 19:03

Tgt Ion:	252	Resp:	14124
Ion Ratio	Lower	Upper	
252	100		
253	27.9	21.4	32.0
125	22.3	16.2	24.2





#39

Benzo(a)pyrene

Concen: 0.368 ng

RT: 23.522 min Scan# 21

Delta R.T. -0.012 min

Lab File: BN038358.D

Acq: 12 Dec 2025 19:03

Instrument :

BNA_N

ClientSampleId :

PB170912BSD

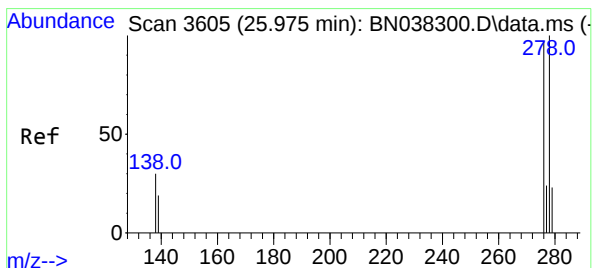
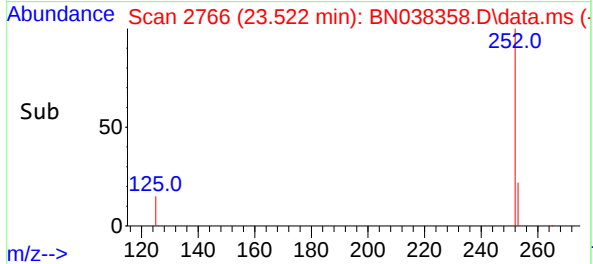
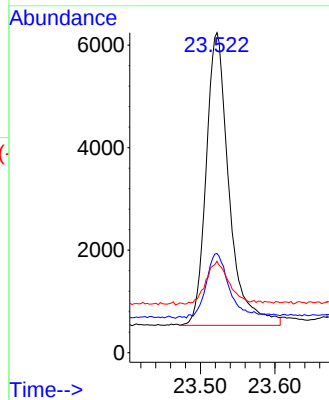
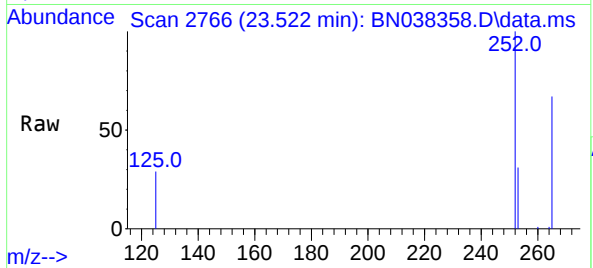
Tgt Ion:	252	Resp:	12179
Ion Ratio	Lower	Upper	
252	100		
253	31.0	23.3	34.9
125	28.5	22.4	33.6

Manual Integrations

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Reviewed By :Rahul Chavli 12/15/2025

Supervised By :Jagrut Upadhyay 12/15/2025



#40

Dibenzo(a,h)anthracene

Concen: 0.376 ng

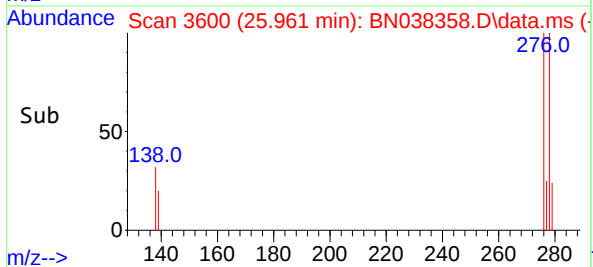
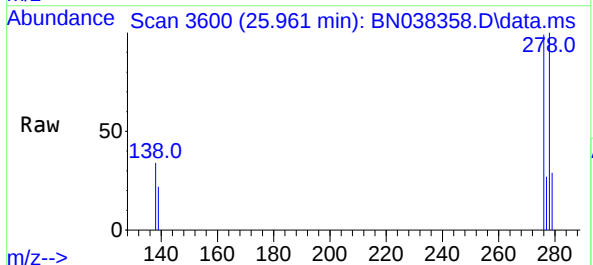
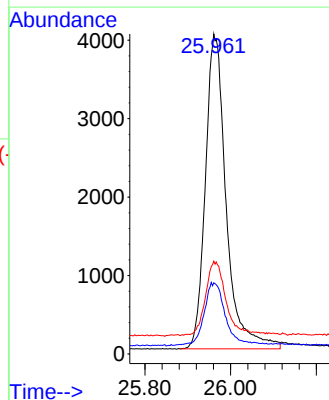
RT: 25.961 min Scan# 3600

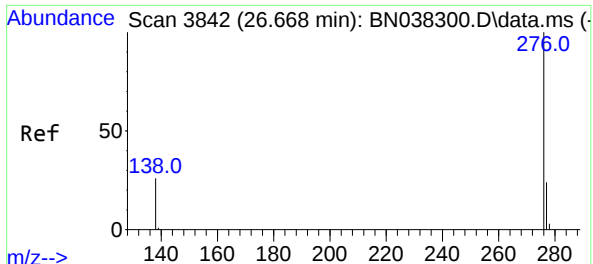
Delta R.T. -0.020 min

Lab File: BN038358.D

Acq: 12 Dec 2025 19:03

Tgt Ion:	278	Resp:	13531
Ion Ratio	Lower	Upper	
278	100		
139	22.3	17.8	26.8
279	29.0	21.3	31.9





#41

Benzo(g,h,i)perylene

Concen: 0.377 ng

RT: 26.653 min Scan# 3837

Delta R.T. -0.023 min

Lab File: BN038358.D

Acq: 12 Dec 2025 19:03

Instrument :

BNA_N

ClientSampleId :

PB170912BSD

Tgt Ion:276 Resp: 1517

Ion Ratio Lower Upper

276 100

277 24.9 20.0 30.0

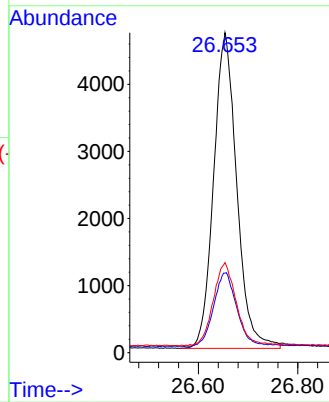
138 28.1 21.8 32.6

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 12/15/2025

Supervised By :Jagrut Upadhyay 12/15/2025





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

Manual Integration Report

Sequence:

BN121025

Instrument

BNA_n

Sample ID

File ID

Parameter

Review By

Review On

Supervised
By

Supervised On

Reason

Manual Integration Report

Sequence:

BN121225

Instrument

BNA_n

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
PB170912BS	BN038357.D	2-Methylnaphthalene-d1 0	rahul	12/15/2025 9:48:01 AM	Jagrut	12/15/2025 2:16:06 PM	Peak Integrated by Software
PB170912BSD	BN038358.D	2-Methylnaphthalene-d1 0	rahul	12/15/2025 9:48:05 AM	Jagrut	12/15/2025 2:16:08 PM	Peak Integrated by Software

Instrument ID: **BNA_N**

Daily Analysis Runlog For Sequence/QC Batch ID # BN121025

Review By	rahul	Review On	12/11/2025 4:30:54 PM
Supervise By	mohammad	Supervise On	12/13/2025 12:56:07 AM
SubDirectory	BN121025	HP Acquire Method	BNA_N, 8270_SiM HP Processing Method BN121025
STD. NAME	STD REF.#		
Tune/Reschk	SP6875		
Initial Calibration Stds	SP6947,SP6946,SP6945,SP6944,SP6943,SP6942,SP6940		
CCC	SP6945		
Internal Standard/PEM	SP6907,10ul/1000ul sample		
ICV/I.BLK	SP6949		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	DFTPP	BN038297.D	10 Dec 2025 09:12	RC/JU	Ok
2	SSTDIC0.1	BN038298.D	10 Dec 2025 09:52	RC/JU	Ok
3	SSTDIC0.2	BN038299.D	10 Dec 2025 10:28	RC/JU	Ok
4	SSTDIC0.4	BN038300.D	10 Dec 2025 11:05	RC/JU	Ok
5	SSTDIC0.8	BN038301.D	10 Dec 2025 11:41	RC/JU	Ok
6	SSTDIC1.6	BN038302.D	10 Dec 2025 12:17	RC/JU	Ok
7	SSTDIC3.2	BN038303.D	10 Dec 2025 12:53	RC/JU	Ok
8	SSTDIC5.0	BN038304.D	10 Dec 2025 13:30	RC/JU	Ok
9	SSTDICV0.4	BN038305.D	10 Dec 2025 14:06	RC/JU	Ok
10	PB170590BL	BN038306.D	10 Dec 2025 14:42	RC/JU	Ok
11	Q3483-11	BN038307.D	10 Dec 2025 15:18	RC/JU	Dilution
12	Q3483-11DL	BN038308.D	10 Dec 2025 15:54	RC/JU	Ok,M
13	SSTDIC0.4	BN038309.D	10 Dec 2025 17:15	RC/JU	Ok

M : Manual Integration

Instrument ID: **BNA_N**

Daily Analysis Runlog For Sequence/QC Batch ID # BN121225

Review By	rahul	Review On	12/12/2025 3:41:10 PM
Supervise By	Jagrut	Supervise On	12/15/2025 2:17:39 PM
SubDirectory	BN121225	HP Acquire Method	BNA_N, 8270_SiM HP Processing Method BN121025
STD. NAME	STD REF.#		
Tune/Reschk	SP6875		
Initial Calibration Stds	SP6947,SP6946,SP6945,SP6944,SP6943,SP6942,SP6940		
CCC	SP6945		
Internal Standard/PEM	SP6907,10ul/1000ul sample		
ICV/I.BLK	SP6949		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	DFTPP	BN038342.D	12 Dec 2025 08:45	RC/JU	Ok
2	SSTDCCC0.4	BN038343.D	12 Dec 2025 09:24	RC/JU	Ok
3	PB170912BL	BN038344.D	12 Dec 2025 10:00	RC/JU	Ok
4	Q3788-01DL	BN038345.D	12 Dec 2025 10:36	RC/JU	Ok
5	Q3813-01	BN038346.D	12 Dec 2025 11:12	RC/JU	Ok
6	Q3813-03	BN038347.D	12 Dec 2025 11:49	RC/JU	Ok
7	Q3828-01	BN038348.D	12 Dec 2025 12:25	RC/JU	Ok
8	Q3828-03	BN038349.D	12 Dec 2025 13:01	RC/JU	Ok,M
9	Q3828-05	BN038350.D	12 Dec 2025 13:38	RC/JU	Dilution
10	Q3828-06	BN038351.D	12 Dec 2025 14:14	RC/JU	Ok
11	Q3828-08	BN038352.D	12 Dec 2025 15:26	RC/JU	Ok
12	Q3835-01	BN038353.D	12 Dec 2025 16:02	RC/JU	Ok
13	Q3835-02	BN038354.D	12 Dec 2025 16:38	RC/JU	Ok
14	Q3835-04	BN038355.D	12 Dec 2025 17:14	RC/JU	Dilution
15	Q3835-05	BN038356.D	12 Dec 2025 17:50	RC/JU	Ok
16	PB170912BS	BN038357.D	12 Dec 2025 18:27	RC/JU	Ok,M
17	PB170912BSD	BN038358.D	12 Dec 2025 19:03	RC/JU	Ok,M
18	SSTDCCC0.4	BN038359.D	12 Dec 2025 20:16	RC/JU	Ok
19	DFTPP	BN038360.D	12 Dec 2025 21:31	RC/JU	Ok
20	SSTDCCC0.4	BN038361.D	12 Dec 2025 22:10	RC/JU	Ok
21	PB170917BL	BN038362.D	12 Dec 2025 22:47	RC/JU	ReRun

Instrument ID: **BNA_N**

Daily Analysis Runlog For Sequence/QC Batch ID # BN121225

Review By	rahul	Review On	12/12/2025 3:41:10 PM
Supervise By	Jagrut	Supervise On	12/15/2025 2:17:39 PM
SubDirectory	BN121225	HP Acquire Method	BNA_N, 8270_SiM HP Processing Method BN121025
STD. NAME	STD REF.#		
Tune/Reschk	SP6875		
Initial Calibration Stds	SP6947,SP6946,SP6945,SP6944,SP6943,SP6942,SP6940		
CCC	SP6945		
Internal Standard/PEM	SP6907,10ul/1000ul sample		
ICV/I.BLK	SP6949		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

22	Q3839-01	BN038363.D	12 Dec 2025 23:24	RC/JU	ReRun
23	Q3839-02	BN038364.D	13 Dec 2025 00:00	RC/JU	ReRun
24	Q3839-03MS	BN038365.D	13 Dec 2025 00:37	RC/JU	ReRun
25	Q3839-04MSD	BN038366.D	13 Dec 2025 01:13	RC/JU	ReRun
26	Q3839-05	BN038367.D	13 Dec 2025 01:50	RC/JU	ReRun
27	Q3839-06	BN038368.D	13 Dec 2025 02:27	RC/JU	ReRun
28	Q3839-07	BN038369.D	13 Dec 2025 03:03	RC/JU	ReRun
29	Q3839-08	BN038370.D	13 Dec 2025 03:40	RC/JU	ReRun
30	Q3839-11	BN038371.D	13 Dec 2025 04:16	RC/JU	ReRun
31	Q3839-12	BN038372.D	13 Dec 2025 04:53	RC/JU	ReRun
32	Q3839-13	BN038373.D	13 Dec 2025 05:29	RC/JU	ReRun
33	Q3839-14	BN038374.D	13 Dec 2025 06:06	RC/JU	ReRun
34	Q3839-15	BN038375.D	13 Dec 2025 06:42	RC/JU	ReRun
35	Q3839-16	BN038376.D	13 Dec 2025 07:18	RC/JU	ReRun
36	PB170917BS	BN038377.D	13 Dec 2025 07:55	RC/JU	Ok,M
37	SSTDCCC0.4	BN038378.D	13 Dec 2025 09:08	RC/JU	Ok
38	DFTPP	BN038379.D	13 Dec 2025 10:24	RC/JU	Ok
39	SSTDCCC0.4	BN038380.D	13 Dec 2025 11:03	RC/JU	Ok
40	PB170919BL	BN038381.D	13 Dec 2025 11:39	RC/JU	Not Ok
41	Q3828-05DL	BN038382.D	13 Dec 2025 12:16	RC/JU	Ok
42	Q3839-17	BN038383.D	13 Dec 2025 12:52	RC/JU	Ok
43	Q3839-18	BN038384.D	13 Dec 2025 13:28	RC/JU	Not Ok
44	Q3839-19MS	BN038385.D	13 Dec 2025 14:04	RC/JU	Not Ok

Instrument ID: **BNA_N**

Daily Analysis Runlog For Sequence/QC Batch ID # BN121225

Review By	rahul	Review On	12/12/2025 3:41:10 PM
Supervise By	Jagrut	Supervise On	12/15/2025 2:17:39 PM
SubDirectory	BN121225	HP Acquire Method	BNA_N, 8270_SiM HP Processing Method BN121025
STD. NAME	STD REF.#		
Tune/Reschk	SP6875		
Initial Calibration Stds	SP6947,SP6946,SP6945,SP6944,SP6943,SP6942,SP6940		
CCC	SP6945		
Internal Standard/PEM	SP6907,10ul/1000ul sample		
ICV/I.BLK	SP6949		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

45	Q3839-19MSD	BN038386.D	13 Dec 2025 14:40	RC/JU	Not Ok
46	Q3839-09	BN038387.D	13 Dec 2025 15:16	RC/JU	Ok,M
47	Q3839-10	BN038388.D	13 Dec 2025 15:52	RC/JU	Dilution
48	Q3839-21	BN038389.D	13 Dec 2025 16:28	RC/JU	Not Ok
49	Q3839-22	BN038390.D	13 Dec 2025 17:04	RC/JU	Not Ok
50	Q3839-23	BN038391.D	13 Dec 2025 17:41	RC/JU	Not Ok
51	Q3839-24	BN038392.D	13 Dec 2025 18:17	RC/JU	Not Ok
52	Q3839-25	BN038393.D	13 Dec 2025 18:54	RC/JU	Not Ok
53	Q3839-26	BN038394.D	13 Dec 2025 19:30	RC/JU	Not Ok
54	PB170919BS	BN038395.D	13 Dec 2025 20:06	RC/JU	Not Ok
55	SSTDCCC0.4	BN038396.D	13 Dec 2025 21:18	RC/JU	Ok

M : Manual Integration

Instrument ID: BNA_N

Daily Analysis Runlog For Sequence/QC Batch ID # BN121025

Review By	rahul	Review On	12/11/2025 4:30:54 PM
Supervise By	mohammad	Supervise On	12/13/2025 12:56:07 AM
SubDirectory	BN121025	HP Acquire Method	BNA_N, 8270_HP Processing Method BN121025

STD. NAME	STD REF.#
Tune/Reschk	SP6875
Initial Calibration Stds	SP6947,SP6946,SP6945,SP6944,SP6943,SP6942,SP6940
CCC	SP6945
Internal Standard/PEM	SP6907,10ul/1000ul sample
ICV/I.BLK	SP6949
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleID	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	DFTPP	DFTPP	BN038297.D	10 Dec 2025 09:12		RC/JU	Ok
2	SSTDICC0.1	SSTDICC0.1	BN038298.D	10 Dec 2025 09:52		RC/JU	Ok
3	SSTDICC0.2	SSTDICC0.2	BN038299.D	10 Dec 2025 10:28		RC/JU	Ok
4	SSTDICCC0.4	SSTDICCC0.4	BN038300.D	10 Dec 2025 11:05		RC/JU	Ok
5	SSTDICC0.8	SSTDICC0.8	BN038301.D	10 Dec 2025 11:41		RC/JU	Ok
6	SSTDICC1.6	SSTDICC1.6	BN038302.D	10 Dec 2025 12:17		RC/JU	Ok
7	SSTDICC3.2	SSTDICC3.2	BN038303.D	10 Dec 2025 12:53		RC/JU	Ok
8	SSTDICC5.0	SSTDICC5.0	BN038304.D	10 Dec 2025 13:30	Comp# 20 (4,6-Dinitro-2-methylphenol) removed from 5.0 ng level	RC/JU	Ok
9	SSTDICV0.4	ICVBN121025	BN038305.D	10 Dec 2025 14:06		RC/JU	Ok
10	PB170590BL	PB170590BL	BN038306.D	10 Dec 2025 14:42		RC/JU	Ok
11	Q3483-11	HW1025-PT-BNA-SOIL	BN038307.D	10 Dec 2025 15:18	Need 100X Dilution	RC/JU	Dilution
12	Q3483-11DL	HW1025-PT-BNA-SOIL	BN038308.D	10 Dec 2025 15:54		RC/JU	Ok,M
13	SSTDCCC0.4	SSTDCCC0.4EC	BN038309.D	10 Dec 2025 17:15		RC/JU	Ok

M : Manual Integration

Instrument ID: BNA_N

Daily Analysis Runlog For Sequence/QC Batch ID # BN121225

Review By	rahul	Review On	12/12/2025 3:41:10 PM
Supervise By	Jagrut	Supervise On	12/15/2025 2:17:39 PM
SubDirectory	BN121225	HP Acquire Method	BNA_N, 8270_HP Processing Method BN121025

STD. NAME	STD REF.#
Tune/Reschk Initial Calibration Stds	SP6875 SP6947,SP6946,SP6945,SP6944,SP6943,SP6942,SP6940
CCC Internal Standard/PEM ICV/I.BLK Surrogate Standard MS/MSD Standard LCS Standard	SP6945 SP6907,10ul/1000ul sample SP6949

Sr#	SampleID	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	DFTPP	DFTPP	BN038342.D	12 Dec 2025 08:45		RC/JU	Ok
2	SSTDCCC0.4	SSTDCCC0.4	BN038343.D	12 Dec 2025 09:24	Compound #20, 24 fail low.	RC/JU	Ok
3	PB170912BL	PB170912BL	BN038344.D	12 Dec 2025 10:00		RC/JU	Ok
4	Q3788-01DL	OWBR-05-135-120525	BN038345.D	12 Dec 2025 10:36		RC/JU	Ok
5	Q3813-01	BR-04DR-451-120825	BN038346.D	12 Dec 2025 11:12		RC/JU	Ok
6	Q3813-03	EB01-120825	BN038347.D	12 Dec 2025 11:49		RC/JU	Ok
7	Q3828-01	BR-02-133-120925	BN038348.D	12 Dec 2025 12:25		RC/JU	Ok
8	Q3828-03	OWBR-06-219-120925	BN038349.D	12 Dec 2025 13:01		RC/JU	Ok,M
9	Q3828-05	RMW-03B-90-120925	BN038350.D	12 Dec 2025 13:38	Need 5X Dilution	RC/JU	Dilution
10	Q3828-06	OWBR-03-138-120925	BN038351.D	12 Dec 2025 14:14		RC/JU	Ok
11	Q3828-08	FB01-120925	BN038352.D	12 Dec 2025 15:26		RC/JU	Ok
12	Q3835-01	MW-11A-13.5-121025	BN038353.D	12 Dec 2025 16:02		RC/JU	Ok
13	Q3835-02	OWBR-01-170-121025	BN038354.D	12 Dec 2025 16:38		RC/JU	Ok
14	Q3835-04	MW-118-37.5-121025	BN038355.D	12 Dec 2025 17:14	Need 20X Dilution	RC/JU	Dilution
15	Q3835-05	MW-01-7-121025	BN038356.D	12 Dec 2025 17:50		RC/JU	Ok
16	PB170912BS	PB170912BS	BN038357.D	12 Dec 2025 18:27		RC/JU	Ok,M
17	PB170912BSD	PB170912BSD	BN038358.D	12 Dec 2025 19:03		RC/JU	Ok,M
18	SSTDCCC0.4	SSTDCCC0.4EC	BN038359.D	12 Dec 2025 20:16	Compound #20 fail low.	RC/JU	Ok

Instrument ID: BNA_N

Daily Analysis Runlog For Sequence/QC Batch ID # BN121225

Review By	rahul	Review On	12/12/2025 3:41:10 PM
Supervise By	Jagrut	Supervise On	12/15/2025 2:17:39 PM
SubDirectory	BN121225	HP Acquire Method	BNA_N, 8270_HP Processing Method BN121025
STD. NAME	STD REF.#		
Tune/Reschk Initial Calibration Stds	SP6875 SP6947,SP6946,SP6945,SP6944,SP6943,SP6942,SP6940		
CCC Internal Standard/PEM ICV/I.BLK Surrogate Standard MS/MSD Standard LCS Standard	SP6945 SP6907,10ul/1000ul sample SP6949		

19	DFTPP	DFTPP	BN038360.D	12 Dec 2025 21:31		RC/JU	Ok
20	SSTDCCC0.4	SSTDCCC0.4	BN038361.D	12 Dec 2025 22:10	Compound #20, 24 fail low.	RC/JU	Ok
21	PB170917BL	PB170917BL	BN038362.D	12 Dec 2025 22:47	CCC fail low for compound #24.	RC/JU	ReRun
22	Q3839-01	C0AM5	BN038363.D	12 Dec 2025 23:24	CCC fail low for compound #24.	RC/JU	ReRun
23	Q3839-02	C0AM6	BN038364.D	13 Dec 2025 00:00	CCC fail low for compound #24.	RC/JU	ReRun
24	Q3839-03MS	C0AM6MS	BN038365.D	13 Dec 2025 00:37	CCC fail low for compound #24.	RC/JU	ReRun
25	Q3839-04MSD	C0AM6MSD	BN038366.D	13 Dec 2025 01:13	CCC fail low for compound #24.	RC/JU	ReRun
26	Q3839-05	C0AN1	BN038367.D	13 Dec 2025 01:50	CCC fail low for compound #24.	RC/JU	ReRun
27	Q3839-06	C0AN2	BN038368.D	13 Dec 2025 02:27	CCC fail low for compound #24.	RC/JU	ReRun
28	Q3839-07	C0AN3	BN038369.D	13 Dec 2025 03:03	CCC fail low for compound #24.	RC/JU	ReRun
29	Q3839-08	C0AN4	BN038370.D	13 Dec 2025 03:40	CCC fail low for compound #24.	RC/JU	ReRun
30	Q3839-11	C0AN7	BN038371.D	13 Dec 2025 04:16	CCC fail low for compound #24.	RC/JU	ReRun
31	Q3839-12	C0AS1	BN038372.D	13 Dec 2025 04:53	CCC fail low for compound #24.	RC/JU	ReRun
32	Q3839-13	C0AS2	BN038373.D	13 Dec 2025 05:29	CCC fail low for compound #24.	RC/JU	ReRun
33	Q3839-14	C0AS3	BN038374.D	13 Dec 2025 06:06	CCC fail low for compound #24.	RC/JU	ReRun
34	Q3839-15	C0AS4	BN038375.D	13 Dec 2025 06:42	CCC fail low for compound #24.	RC/JU	ReRun
35	Q3839-16	C0B02	BN038376.D	13 Dec 2025 07:18	CCC fail low for compound #24.	RC/JU	ReRun
36	PB170917BS	PB170917BS	BN038377.D	13 Dec 2025 07:55		RC/JU	Ok,M
37	SSTDCCC0.4	SSTDCCC0.4EC	BN038378.D	13 Dec 2025 09:08		RC/JU	Ok

Instrument ID: BNA_N

Daily Analysis Runlog For Sequence/QC Batch ID # BN121225

Review By	rahul	Review On	12/12/2025 3:41:10 PM
Supervise By	Jagrut	Supervise On	12/15/2025 2:17:39 PM
SubDirectory	BN121225	HP Acquire Method	BNA_N, 8270_HP Processing Method BN121025
STD. NAME	STD REF.#		
Tune/Reschk Initial Calibration Stds	SP6875 SP6947,SP6946,SP6945,SP6944,SP6943,SP6942,SP6940		
CCC Internal Standard/PEM ICV/I.BLK Surrogate Standard MS/MSD Standard LCS Standard	SP6945 SP6907,10ul/1000ul sample SP6949		

38	DFTPP	DFTPP	BN038379.D	13 Dec 2025 10:24		RC/JU	Ok
39	SSTDCCC0.4	SSTDCCC0.4	BN038380.D	13 Dec 2025 11:03	Compound #20 fail low.	RC/JU	Ok
40	PB170919BL	PB170919BL	BN038381.D	13 Dec 2025 11:39	Wrong Sample (Total Scan sample)	RC/JU	Not Ok
41	Q3828-05DL	RMW-03B-90-120925D	BN038382.D	13 Dec 2025 12:16		RC/JU	Ok
42	Q3839-17	C0B11	BN038383.D	13 Dec 2025 12:52		RC/JU	Ok
43	Q3839-18	C0AM7	BN038384.D	13 Dec 2025 13:28	Wrong Sample (Total Scan sample)	RC/JU	Not Ok
44	Q3839-19MS	C0AM7MS	BN038385.D	13 Dec 2025 14:04	Wrong Sample (Total Scan sample)	RC/JU	Not Ok
45	Q3839-19MSD	C0AM7MSD	BN038386.D	13 Dec 2025 14:40	Wrong Sample (Total Scan sample)	RC/JU	Not Ok
46	Q3839-09	C0AN5	BN038387.D	13 Dec 2025 15:16		RC/JU	Ok,M
47	Q3839-10	C0AN6	BN038388.D	13 Dec 2025 15:52	Need 5X.	RC/JU	Dilution
48	Q3839-21	C0B09	BN038389.D	13 Dec 2025 16:28	Wrong Sample (Total Scan sample)	RC/JU	Not Ok
49	Q3839-22	C0AT4	BN038390.D	13 Dec 2025 17:04	Wrong Sample (Total Scan sample)	RC/JU	Not Ok
50	Q3839-23	C0AT5	BN038391.D	13 Dec 2025 17:41	Wrong Sample (Total Scan sample)	RC/JU	Not Ok
51	Q3839-24	C0AT6	BN038392.D	13 Dec 2025 18:17	Wrong Sample (Total Scan sample)	RC/JU	Not Ok
52	Q3839-25	C0AT7	BN038393.D	13 Dec 2025 18:54	Wrong Sample (Total Scan sample)	RC/JU	Not Ok
53	Q3839-26	C0AT8	BN038394.D	13 Dec 2025 19:30	Wrong Sample (Total Scan sample)	RC/JU	Not Ok
54	PB170919BS	PB170919BS	BN038395.D	13 Dec 2025 20:06	Wrong Sample (Total Scan sample)	RC/JU	Not Ok

Instrument ID: BNA_N

Daily Analysis Runlog For Sequence/QC Batch ID # BN121225

Review By	rahul	Review On	12/12/2025 3:41:10 PM
Supervise By	Jagrut	Supervise On	12/15/2025 2:17:39 PM
SubDirectory	BN121225	HP Acquire Method	BNA_N, 8270_HP Processing Method BN121025

STD. NAME	STD REF.#
Tune/Reschk	SP6875
Initial Calibration Stds	SP6947,SP6946,SP6945,SP6944,SP6943,SP6942,SP6940
CCC	SP6945
Internal Standard/PEM	SP6907,10ul/1000ul sample
ICV/I.BLK	SP6949
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

55	SSTDCCC0.4	SSTDCCC0.4EC	BN038396.D	13 Dec 2025 21:18		RC/JU	Ok
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M : Manual Integration

SOP ID:	M3510C,3580A-Extraction SVOC-21		
Clean Up SOP #:	N/A	Extraction Start Date :	12/11/2025
Matrix :	Water	Extraction Start Time :	09:37
Weigh By:	N/A	Extraction By:	RS
Balance check:	N/A	Extraction End Date :	12/11/2025
Balance ID:	N/A	Filter By:	RS
pH Strip Lot#:	E3953	Extraction End Time :	14:40
		pH Meter ID:	N/A
		Concentration By:	EH
		Supervisor By :	RUPESH
Extraction Method:	☒ Separatory Funnel ☐ Continuous Liquid/Liquid ☐ Sonication ☐ Waste Dilution ☐ Soxhlet		

Standard Name	MLS USED	Concentration ug/mL	STD REF. # FROM LOG
Spike Sol 1	1.0ML	0.4 PPM	SP6938
Surrogate	1.0ML	0.4 PPM	SP6950
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	E3986
Baked Na2SO4	N/A	EP2665
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
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.

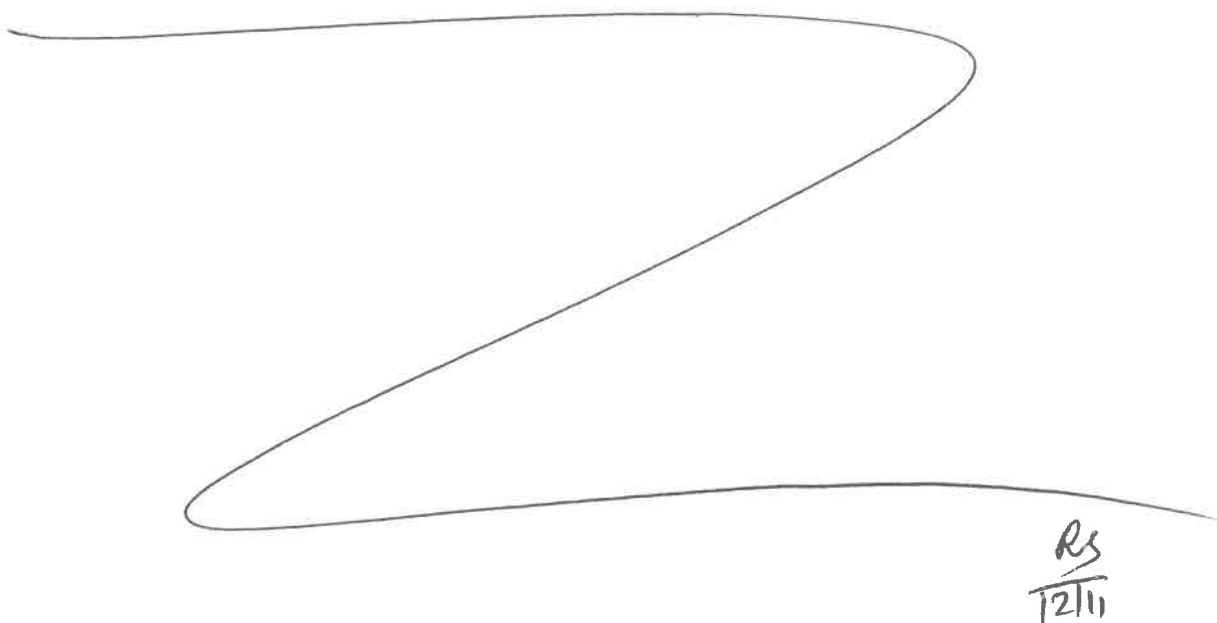
KD Bath ID:	WATER BATH-1,2	Envap ID:	NEVAP-02
KD Bath Temperature:	60 °C	Envap Temperature:	40 °C

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
12/11/25	RS (CB4 Lab)	Rc/svoc
14:45	Preparation Group	Analysis Group

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

Concentration Date: 12/11/2025

Sample ID	Client Sample ID	Test	g / (mL)	PH	Surr/Spike By:		Final Vol. (mL)	JarID	Comments	Prep Pos
					AddedBy	VerifiedBy				
PB170912BL	SBLK912	SVOC-SIMGrou p1	1000	6	RUPEsh	ritesh	1			SEP-1
PB170912BS	SLCS912	SVOC-SIMGrou p1	1000	6	RUPEsh	ritesh	1			2
PB170912BS D	SLCSD912	SVOC-SIMGrou p1	1000	6	RUPEsh	ritesh	1			3
Q3813-01	BR-04DR-451-120825	SVOC-SIMGrou p1	990	6	RUPEsh	ritesh	1	D		4
Q3813-03	EB01-120825	SVOC-SIMGrou p1	910	6	RUPEsh	ritesh	1	G		5
Q3828-01	BR-02-133-120925	SVOC-SIMGrou p1	1000	6	RUPEsh	ritesh	1	D		6
Q3828-03	OWBR-06-219-120925	SVOC-SIMGrou p1	890	11	RUPEsh	ritesh	1	D		7
Q3828-05	RMW-03B-90-120925	SVOC-SIMGrou p1	1000	6	RUPEsh	ritesh	1	D		8
Q3828-06	OWBR-03-138-120925	SVOC-SIMGrou p1	920	11	RUPEsh	ritesh	1	D		9
Q3828-08	FB01-120925	SVOC-SIMGrou p1	920	6	RUPEsh	ritesh	1	D		10
Q3835-01	MW-11A-13.5-121025	SVOC-SIMGrou p1	910	6	RUPEsh	ritesh	1	D		11
Q3835-02	OWBR-01-170-121025	SVOC-SIMGrou p1	950	6	RUPEsh	ritesh	1	D		12
Q3835-04	MW-118-37.5-121025	SVOC-SIMGrou p1	1000	6	RUPEsh	ritesh	1	D		13
Q3835-05	MW-01-7-121025	SVOC-SIMGrou p1	960	6	RUPEsh	ritesh	1	D		14



WORKLIST(Hardcopy Internal Chain)

WorkList Name : Q3813 WorkList ID : 193598 Department : Extraction Date : 12-11-2025 09:31:02

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q3813-01	BR-04DR-451-120825	Water	SVOC-SIMGroup1	Cool 4 deg C	JACO05	A11	12/08/2025	8270-Modified
Q3813-03	EB01-120825	Water	SVOC-SIMGroup1	Cool 4 deg C	JACO05	A11	12/08/2025	8270-Modified
Q3828-01	BR-02-133-120925	Water	SVOC-SIMGroup1	Cool 4 deg C	JACO05	A11	12/09/2025	8270-Modified
Q3828-03	OWBR-06-219-120925	Water	SVOC-SIMGroup1	Cool 4 deg C	JACO05	A11	12/09/2025	8270-Modified
Q3828-05	RMW-03B-90-120925	Water	SVOC-SIMGroup1	Cool 4 deg C	JACO05	A11	12/09/2025	8270-Modified
Q3828-06	OWBR-03-138-120925	Water	SVOC-SIMGroup1	Cool 4 deg C	JACO05	A11	12/09/2025	8270-Modified
Q3828-08	FB01-120925	Water	SVOC-SIMGroup1	Cool 4 deg C	JACO05	A11	12/09/2025	8270-Modified
Q3835-01	MW-11A-13.5-121025	Water	SVOC-SIMGroup1	Cool 4 deg C	JACO05	A11	12/10/2025	8270-Modified
Q3835-02	OWBR-01-170-121025	Water	SVOC-SIMGroup1	Cool 4 deg C	JACO05	A11	12/10/2025	8270-Modified
Q3835-04	MW-118-37.5-121025	Water	SVOC-SIMGroup1	Cool 4 deg C	JACO05	A11	12/10/2025	8270-Modified
Q3835-05	MW-01-7-121025	Water	SVOC-SIMGroup1	Cool 4 deg C	JACO05	A11	12/10/2025	8270-Modified

Date/Time 12/11/25 9:32
Raw Sample Received by: RS (Ext-662)
Raw Sample Relinquished by: CR SM

Date/Time 12/11/25 10:15
Raw Sample Received by: CR SM
Raw Sample Relinquished by: RS (Ext-662)



SHIPPING DOCUMENTS



284 Sheffield Street, Mountainside, NJ 07092
(908) 789-8900 • Fax (908) 789-8922
www.chemtech.net

ALLIANCE PROJECT NO. Q3813
QUOTE NO.
COC Number 2047331

CLIENT INFORMATION

REPORT TO BE SENT TO:

COMPANY: Jacobs
ADDRESS: 412 Mt Kumbie Ave Suite #100
CITY Morrisstown STATE: NJ ZIP: 07960
ATTENTION: John Vinfante
PHONE: (281) 414-1719 FAX:

CLIENT PROJECT INFORMATION

PROJECT NAME: STC PTC
PROJECT NO.: D403376 LOCATION: Pineclan Junction
PROJECT MANAGER: Mary Murphy
e-mail: Mary.Murphy@Jacobs.com
PHONE: (261) 936-0586 FAX:

CLIENT BILLING INFORMATION

BILL TO: Mary Murphy PO#:
ADDRESS:
CITY STATE: ZIP:
ATTENTION: PHONE:

ANALYSIS

DATA TURNAROUND INFORMATION

FAX (RUSH) Standard DAYS*
HARDCOPY (DATA PACKAGE): 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

*Site Specific WQS (12/8/25) - 1000
Trace WQS (12/8/25) - 1000
(SEAWALL) 1/4 Dioxane
(12/8/25) - SIM*

ALLIANCE SAMPLE ID	PROJECT SAMPLE IDENTIFICATION	SAMPLE MATRIX	SAMPLE TYPE		SAMPLE COLLECTION		# OF BOTTLES	PRESERVATIVES									COMMENTS ← Specify Preservatives A-HCl D-NaOH B-HNO3 E-ICE C-H2SO4 F-OTHER
			COMP	GRAB	DATE	TIME		A/E	A/E	E							
								1	2	3	4	5	6	7	8	9	
1.	BR-04DR-451-120825	GW		X	12/8/25	1205	5	X		X							
2.	BR-04DR-451-120825-SIM	GW		X	12/8/25	1205	3		X								
3.	EB01-120825	DI		X	12/8/25	1500	8	X	X	X							
4.	TB01-120825	DI		X	12/8/25	0800	2	X	X								
5.																	
6.																	
7.																	
8.																	
9.																	
10.																	

SAMPLE CUSTODY MUST BE DOCUMENTED BELOW EACH TIME SAMPLES CHANGE POSSESSION INCLUDING COURIER DELIVERY

RELINQUISHED BY SAMPLER: 1. <u>[Signature]</u>	DATE/TIME: <u>12-8-25</u>	RECEIVED BY: 1. <u>[Signature]</u>	12-8-25	Conditions of bottles or coolers at receipt: ☐ COMPLIANT ☐ NON COMPLIANT ☐ COOLER TEMP <u>2.2</u> °C
RELINQUISHED BY SAMPLER: 2. <u>[Signature]</u>	DATE/TIME:	RECEIVED BY: 2. <u>[Signature]</u>		Comments: <u>See work order for list of site specific WQS</u>
RELINQUISHED BY SAMPLER: 3. <u>[Signature]</u>	DATE/TIME: <u>12-8-25</u>	RECEIVED BY: 3. <u>[Signature]</u>		

Page 1 of 1

CLIENT: ☐ Hand Delivered ☐ Other

Shipment Complete
☐ YES ☐ NO

Laboratory Certification

Certified By	License No.
Connecticut	PH-0830
DOD ELAP (ANAB)	L2219
Maine	2024021
Maryland	296
New Hampshire	255425
New Jersey	20012
New York	11376
Pennsylvania	68-00548
Soil Permit	525-24-234-08441
Texas	TX-C25-00189
Virginia	460312

LOGIN REPORT/SAMPLE TRANSFER

Order ID : Q3813- JACO05	Order Date : 12/8/2025 4:06:00 PM	Project Mgr :
Client Name : JACOBS Engineering Grou	Project Name : Former Schlumberger STC	Report Type : Level 4
Client Contact : John Ynfante	Receive DateTime : 12/8/2025 5:05:00 PM	EDD Type : CH2MHILL
Invoice Name : JACOBS Engineering Grou	Purchase Order :	Hard Copy Date :
Invoice Contact : John Ynfante		Date Signoff :

LAB ID	CLIENT ID	MATRIX	SAMPLE DATE	SAMPLE TIME	TEST	TEST GROUP	METHOD	FAX DATE	DUE DATES
Q3813-01	BR-04DR-451-120825	Water	12/08/2025	12:05					
					VOCMS Group3		8260-Low	10 Bus. Days	
Q3813-02	BR-04DR-451-120825-SIM	Water	12/08/2025	12:05					
					VOC-SIM		SFAM_VOCSIM	10 Bus. Days	
Q3813-03	EB01-120825	Water	12/08/2025	15:00					
					VOC-SIM		SFAM_VOCSIM	10 Bus. Days	
					VOCMS Group3		8260-Low	10 Bus. Days	
Q3813-04	TB01-120825	Water	12/08/2025	08:00					
					VOC-SIM		SFAM_VOCSIM	10 Bus. Days	
					VOCMS Group3		8260-Low	10 Bus. Days	
Q3813-05	VHBLK001	Water	12/08/2025	12:05					
					VOC-SIM		SFAM_VOCSIM	10 Bus. Days	

LOGIN REPORT/SAMPLE TRANSFER

Order ID : Q3813 JACO05

Order Date : 12/8/2025 4:06:00 PM

Project Mgr :

Client Name : JACOBS Engineering Grou

Project Name : Former Schlumberger STC

Report Type : Level 4

Client Contact : John Ynfante

Receive DateTime : 12/8/2025 5:05:00 PM

EDD Type : CH2MHILL

Invoice Name : JACOBS Engineering Grou

Purchase Order :

Hard Copy Date :

Invoice Contact : John Ynfante

Date Signoff :

LAB ID	CLIENT ID	MATRIX	SAMPLE DATE	SAMPLE TIME	TEST	TEST GROUP	METHOD	FAX DATE	DUE DATES
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Relinquished By :

Date / Time :

Received By :

Date / Time :

Storage Area : VOA Refridgerator Room