

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

Instrument :
 BNA_N
 ClientSampleId :
 MW-2

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

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

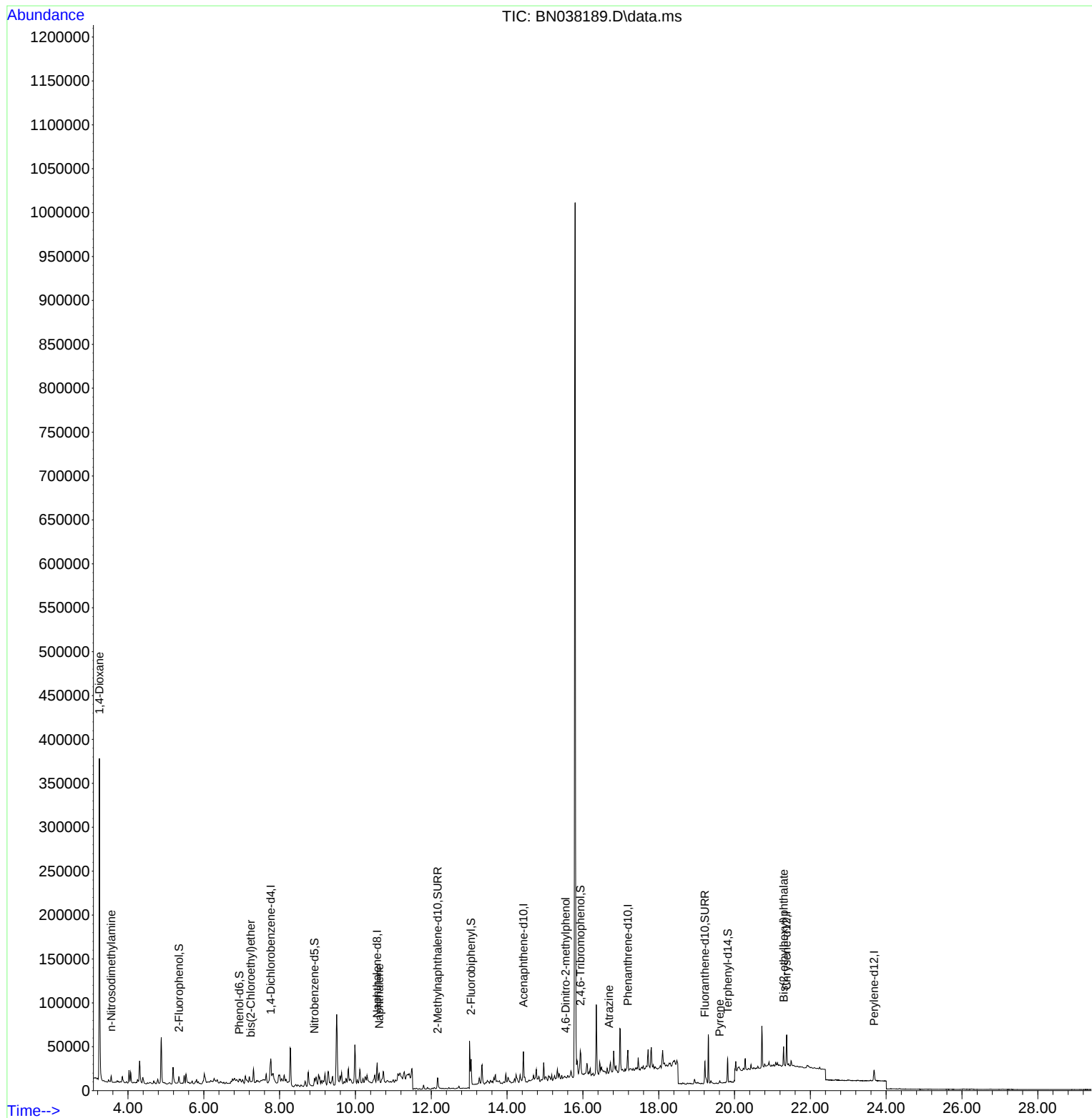
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.768	152	8899	0.400	ng	0.00
7) Naphthalene-d8	10.573	136	29516	0.400	ng	# 0.00
13) Acenaphthene-d10	14.430	164	20929	0.400	ng	0.00
19) Phenanthrene-d10	17.186	188	33471	0.400	ng	# 0.00
29) Chrysene-d12	21.375	240	18239	0.400	ng	# 0.00
35) Perylene-d12	23.683	264	16867	0.400	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.348	112	4410	0.210	ng	0.00
5) Phenol-d6	6.937	99	3293	0.129	ng	0.00
8) Nitrobenzene-d5	8.918	82	7960	0.334	ng	-0.01
11) 2-Methylnaphthalene-d10	12.167	152	17137	0.407	ng	-0.01
14) 2,4,6-Tribromophenol	15.932	330	3777	0.438	ng	0.00
15) 2-Fluorobiphenyl	13.051	172	24835	0.296	ng	0.00
27) Fluoranthene-d10	19.220	212	27834	0.330	ng	0.00
31) Terphenyl-d14	19.819	244	23192	0.585	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	3.247	88	218035	23.713	ng	99
3) n-Nitrosodimethylamine	3.557	42	656	0.055	ng	# 1
6) bis(2-Chloroethyl)ether	7.240	93	1529	0.061	ng	# 22
9) Naphthalene	10.626	128	13729	0.169	ng	95
20) 4,6-Dinitro-2-methylph...	15.547	198	75	0.195	ng	# 1
23) Atrazine	16.689	200	518	0.032	ng	# 1
30) Pyrene	19.610	202	2301	0.028	ng	# 63
34) Bis(2-ethylhexyl)phtha...	21.295	149	19975	0.583	ng	98

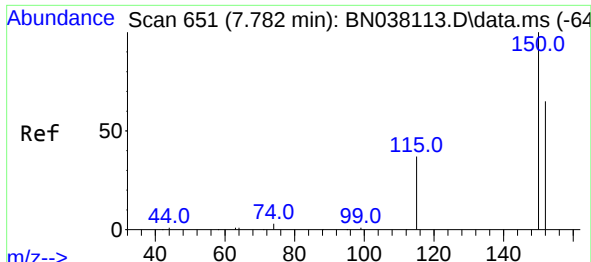
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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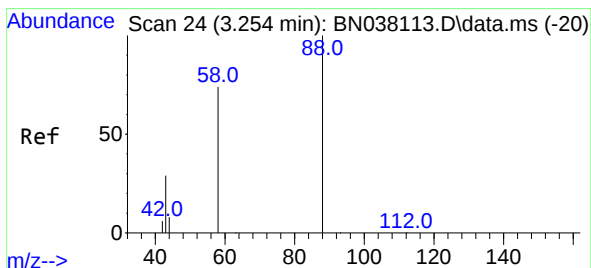
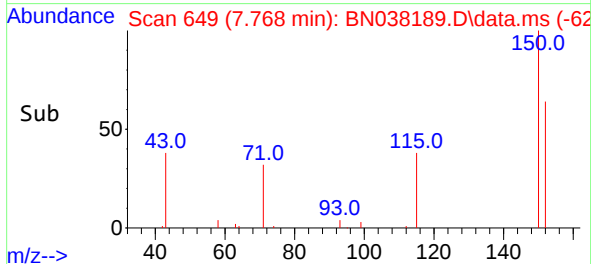
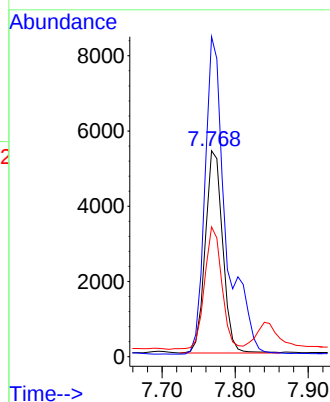
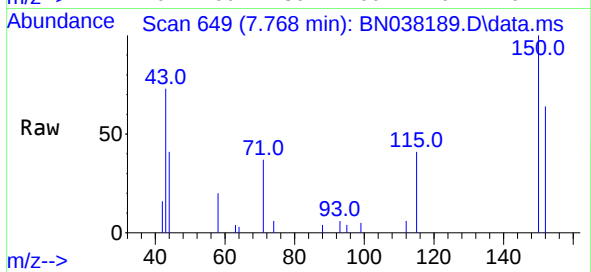




#1
 1,4-Dichlorobenzene-d4
 Concen: 0.400 ng
 RT: 7.768 min Scan# 64
 Delta R.T. -0.007 min
 Lab File: BN038189.D
 Acq: 12 Nov 2025 13:09

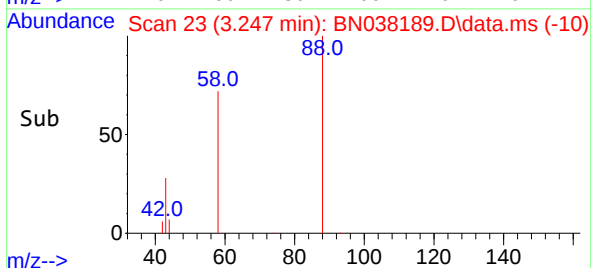
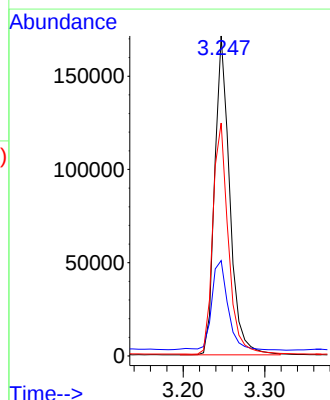
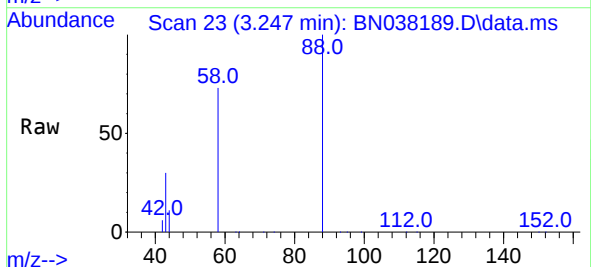
Instrument :
 BNA_N
 ClientSampleId :
 MW-2

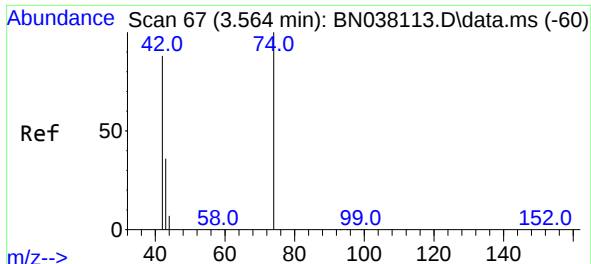
Tgt Ion:152 Resp: 8899
 Ion Ratio Lower Upper
 152 100
 150 155.4 122.3 183.5
 115 63.0 47.4 71.0



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

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

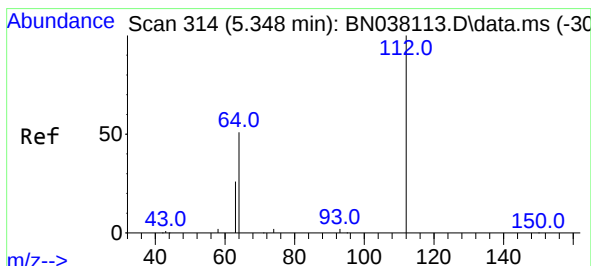
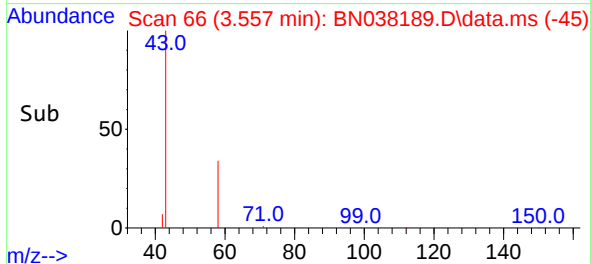
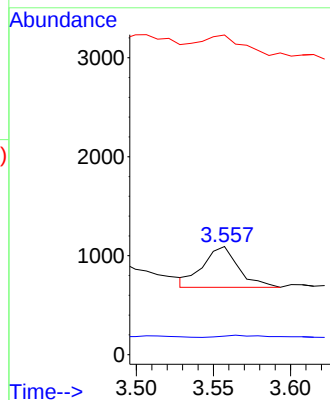
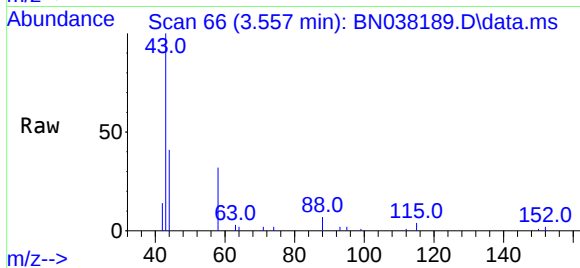




#3
n-Nitrosodimethylamine
Concen: 0.055 ng
RT: 3.557 min Scan# 60
Delta R.T. -0.000 min
Lab File: BN038189.D
Acq: 12 Nov 2025 13:09

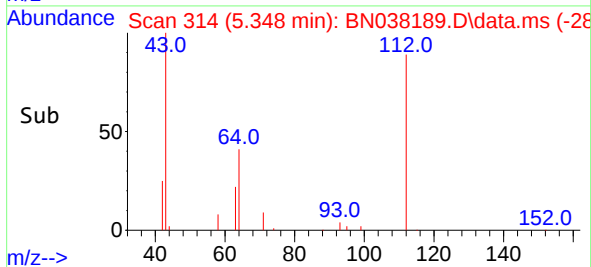
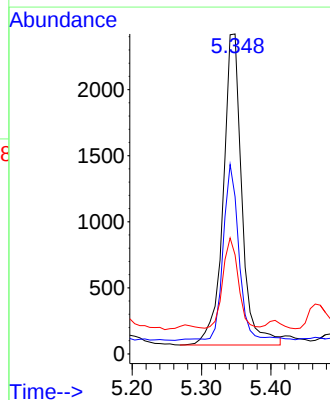
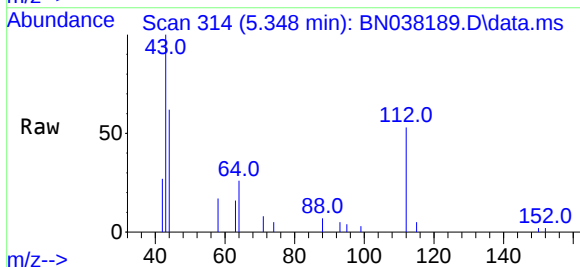
Instrument :
BNA_N
ClientSampleId :
MW-2

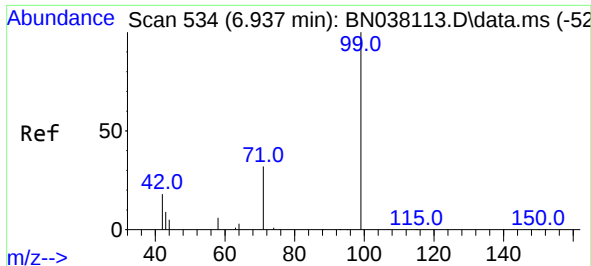
Tgt Ion: 42 Resp: 656
Ion Ratio Lower Upper
42 100
74 6.7 96.8 145.2#
44 110.2 5.3 7.9#



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

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

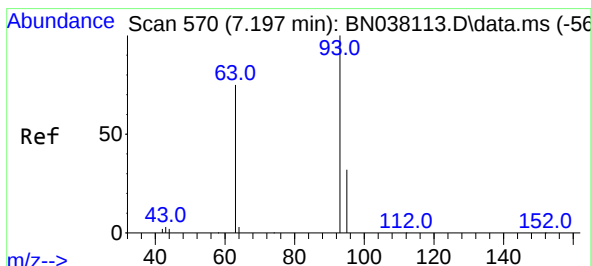
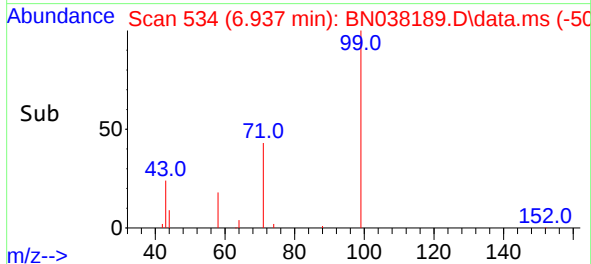
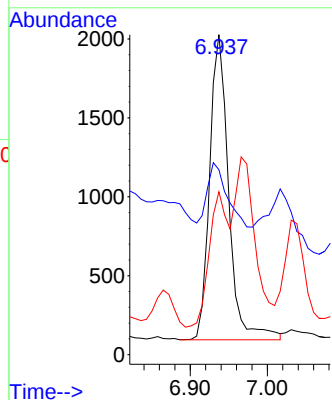
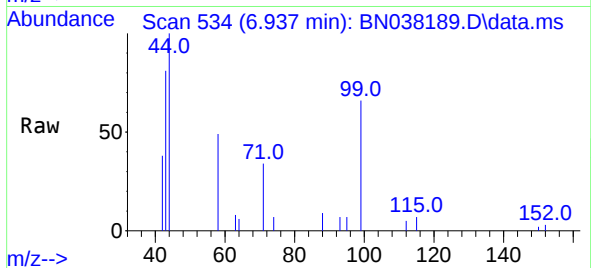




#5
Phenol-d6
Concen: 0.129 ng
RT: 6.937 min Scan# 511
Delta R.T. -0.000 min
Lab File: BN038189.D
Acq: 12 Nov 2025 13:09

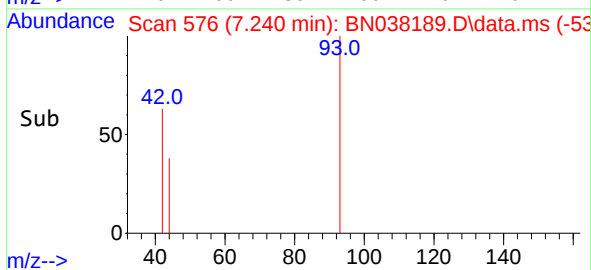
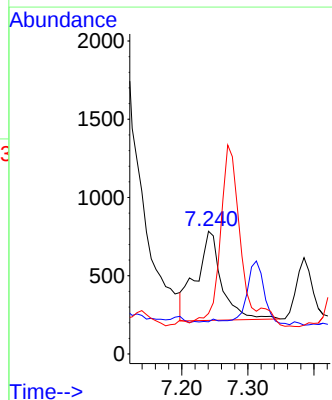
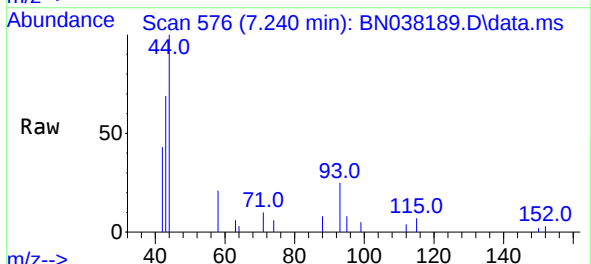
Instrument :
BNA_N
ClientSampleId :
MW-2

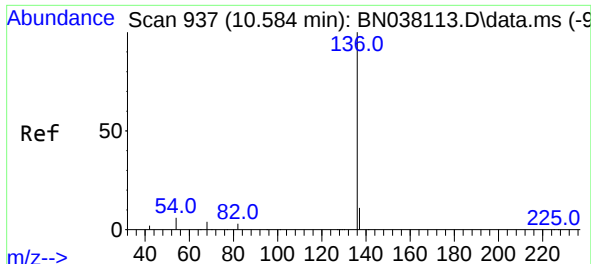
Tgt Ion: 99 Resp: 3293
Ion Ratio Lower Upper
99 100
42 25.8 16.6 24.8#
71 45.8 25.4 38.2#



#6
bis(2-Chloroethyl)ether
Concen: 0.061 ng
RT: 7.240 min Scan# 576
Delta R.T. 0.043 min
Lab File: BN038189.D
Acq: 12 Nov 2025 13:09

Tgt Ion: 93 Resp: 1529
Ion Ratio Lower Upper
93 100
63 0.0 59.3 88.9#
95 0.0 25.2 37.8#

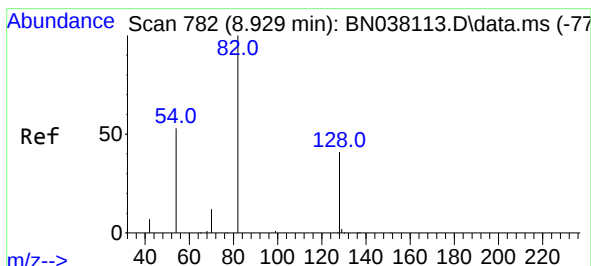
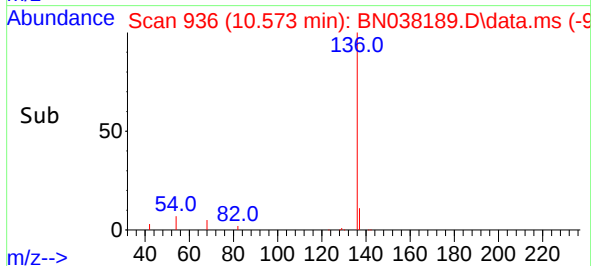
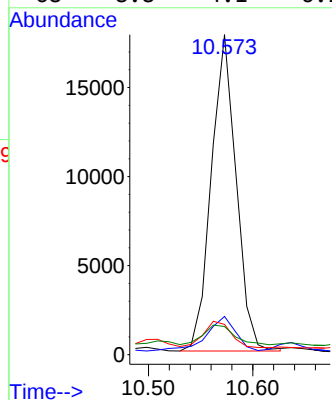
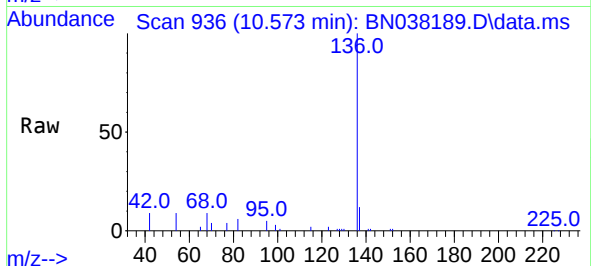




#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.573 min Scan# 91
Delta R.T. -0.000 min
Lab File: BN038189.D
Acq: 12 Nov 2025 13:09

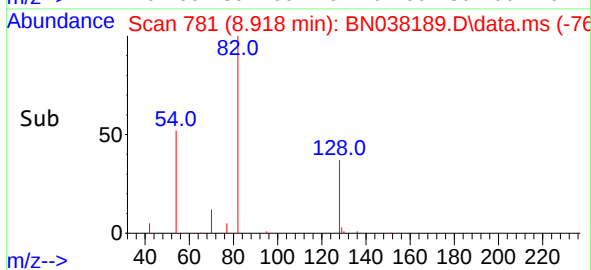
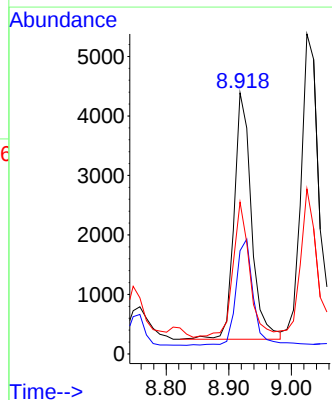
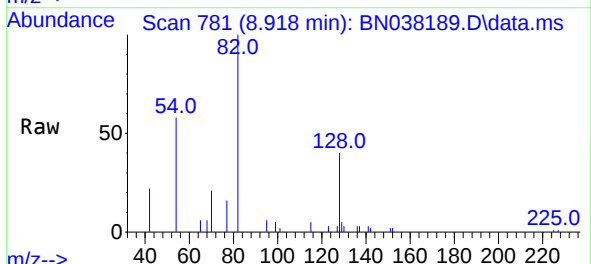
Instrument :
BNA_N
ClientSampleId :
MW-2

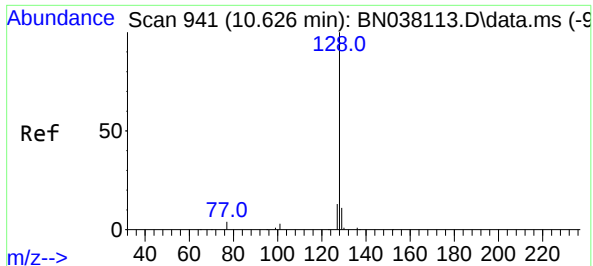
Tgt Ion:136	Resp:	29516
Ion Ratio	Lower	Upper
136	100	
137	11.9	9.0 13.4
54	9.5	5.2 7.8#
68	8.8	4.1 6.1#



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

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

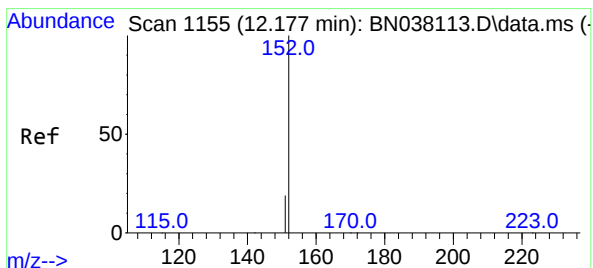
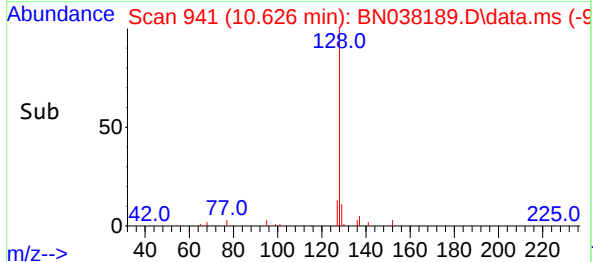
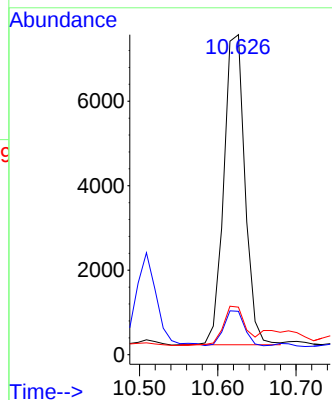
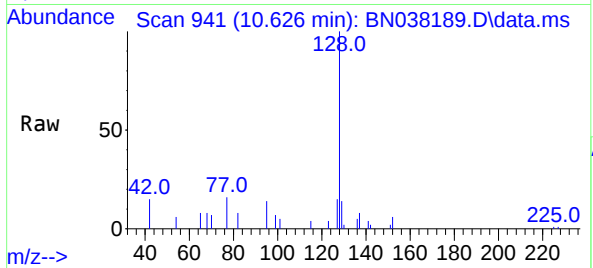




#9
Naphthalene
Concen: 0.169 ng
RT: 10.626 min Scan# 941
Delta R.T. -0.000 min
Lab File: BN038189.D
Acq: 12 Nov 2025 13:09

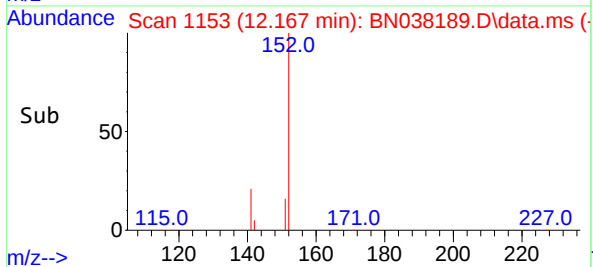
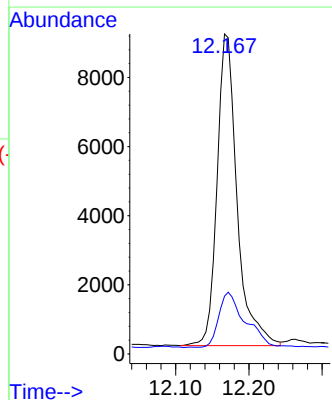
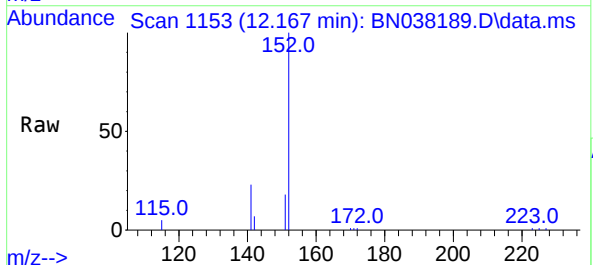
Instrument :
BNA_N
ClientSampleId :
MW-2

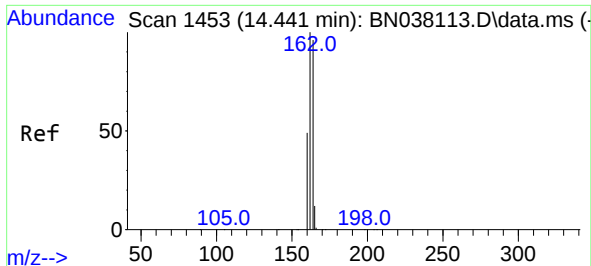
Tgt Ion:128 Resp: 13729
Ion Ratio Lower Upper
128 100
129 13.5 9.1 13.7
127 14.9 10.5 15.7



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

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

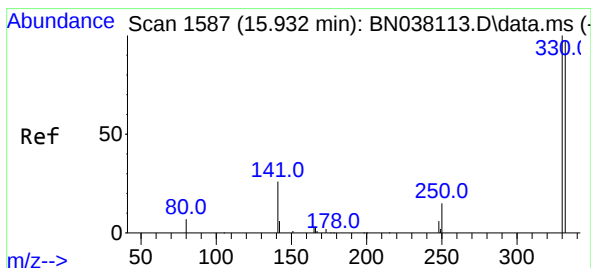
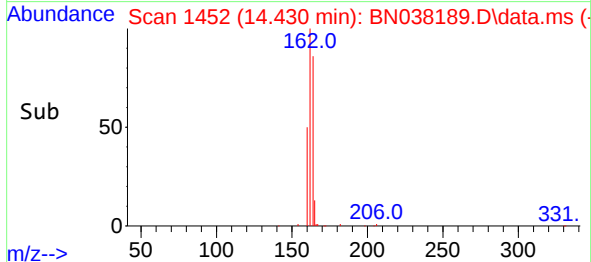
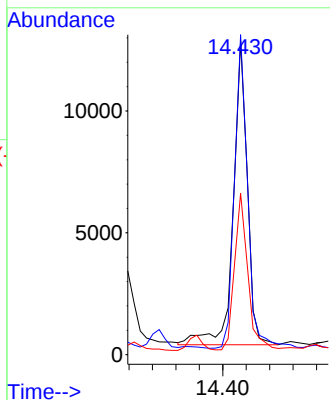
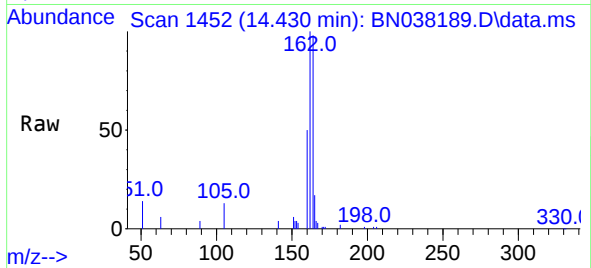




#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.430 min Scan# 14
Delta R.T. -0.000 min
Lab File: BN038189.D
Acq: 12 Nov 2025 13:09

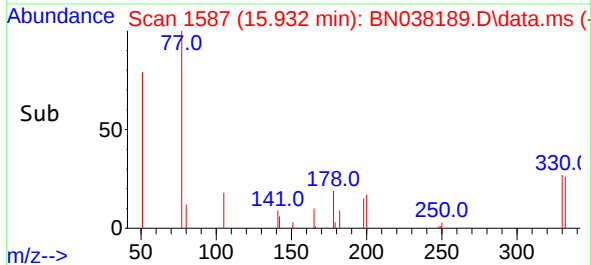
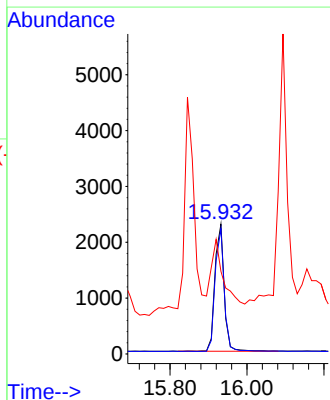
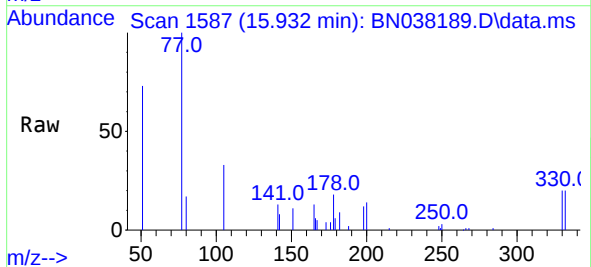
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ClientSampleId :
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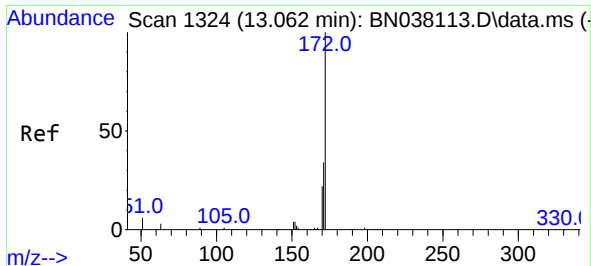
Tgt Ion:164 Resp: 20929
Ion Ratio Lower Upper
164 100
162 102.1 83.0 124.4
160 51.5 40.7 61.1



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

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





#15

2-Fluorobiphenyl

Concen: 0.296 ng

RT: 13.051 min Scan# 1

Delta R.T. -0.000 min

Lab File: BN038189.D

Acq: 12 Nov 2025 13:09

Instrument :

BNA_N

ClientSampleId :

MW-2

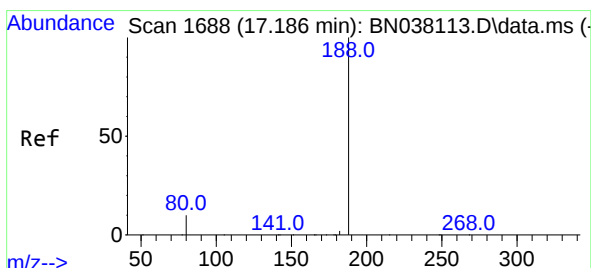
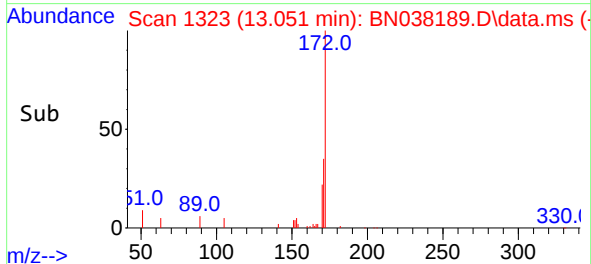
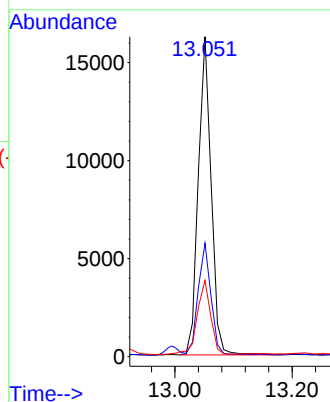
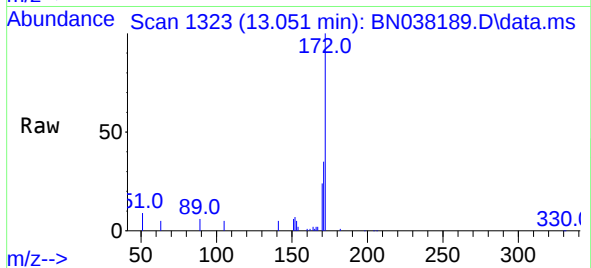
Tgt Ion:172 Resp: 24835

Ion Ratio Lower Upper

172 100

171 35.5 27.8 41.6

170 23.8 18.1 27.1



#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 17.186 min Scan# 1688

Delta R.T. -0.000 min

Lab File: BN038189.D

Acq: 12 Nov 2025 13:09

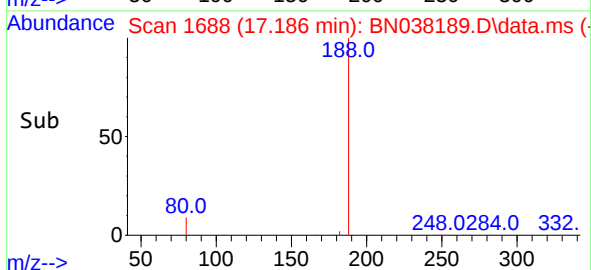
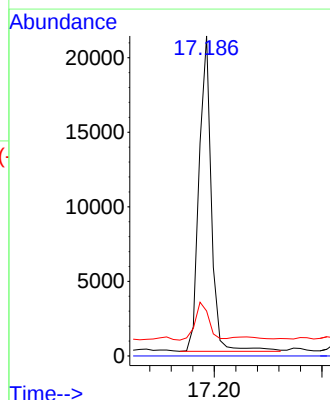
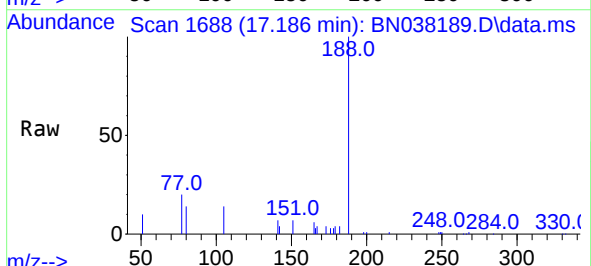
Tgt Ion:188 Resp: 33471

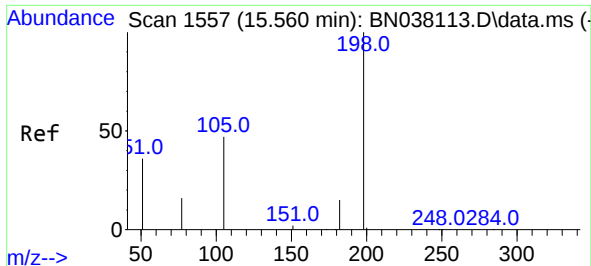
Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

80 14.1 8.6 13.0#

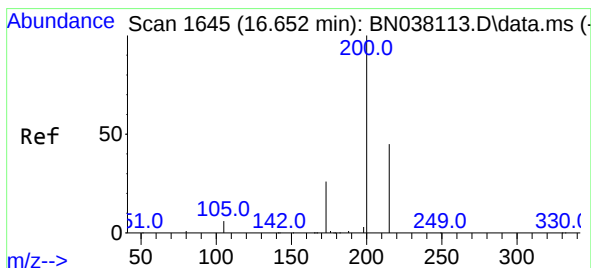
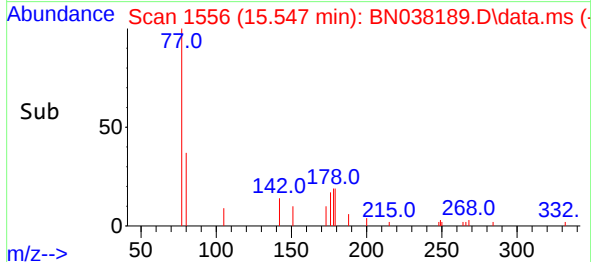
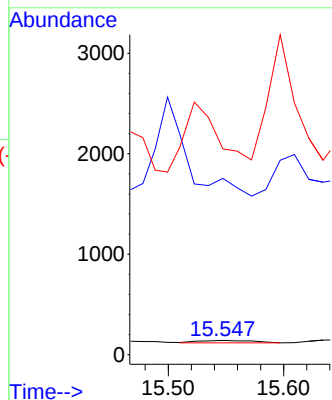
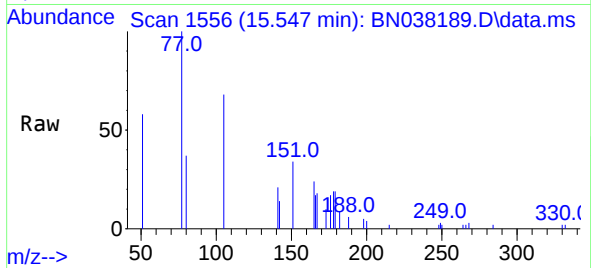




#20
4,6-Dinitro-2-methylphenol
Concen: 0.195 ng
RT: 15.547 min Scan# 1556
Delta R.T. -0.013 min
Lab File: BN038189.D
Acq: 12 Nov 2025 13:09

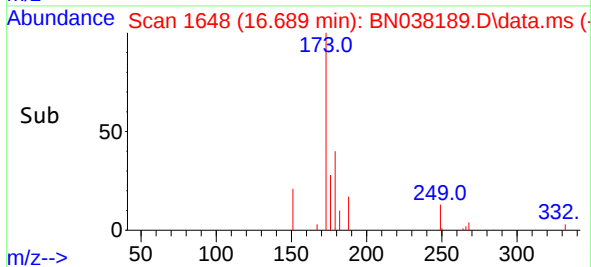
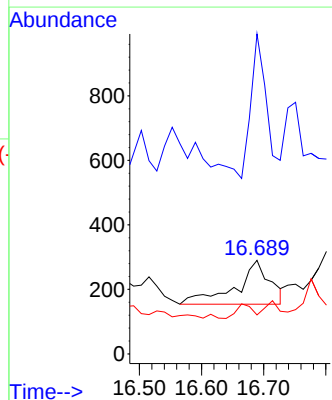
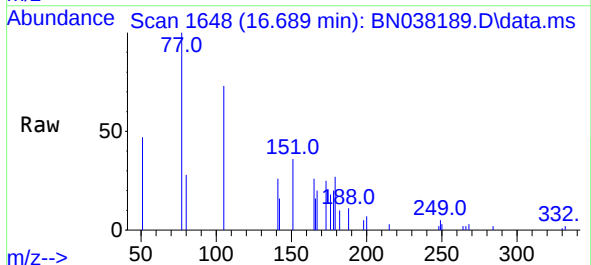
Instrument :
BNA_N
ClientSampleId :
MW-2

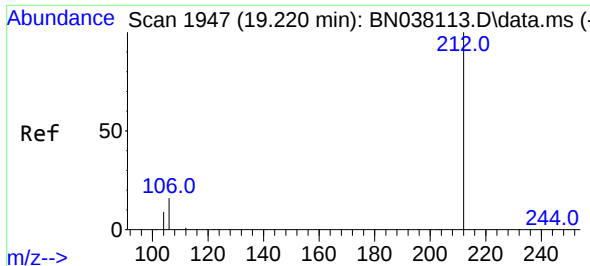
Tgt Ion:198 Resp: 75
Ion Ratio Lower Upper
198 100
51 1245.4 88.9 133.3#
105 1453.2 49.2 73.8#



#23
Atrazine
Concen: 0.032 ng
RT: 16.689 min Scan# 1648
Delta R.T. 0.037 min
Lab File: BN038189.D
Acq: 12 Nov 2025 13:09

Tgt Ion:200 Resp: 518
Ion Ratio Lower Upper
200 100
173 342.1 21.4 32.2#
215 41.7 36.7 55.1

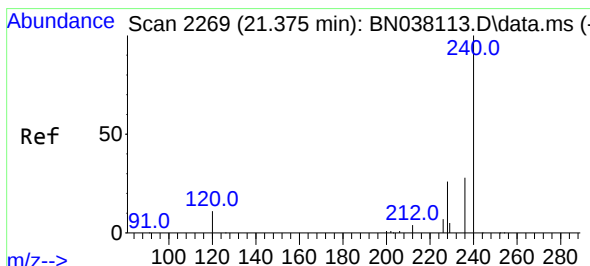
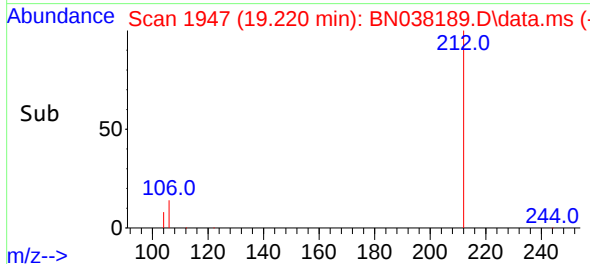
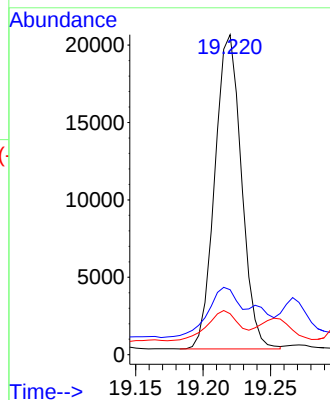
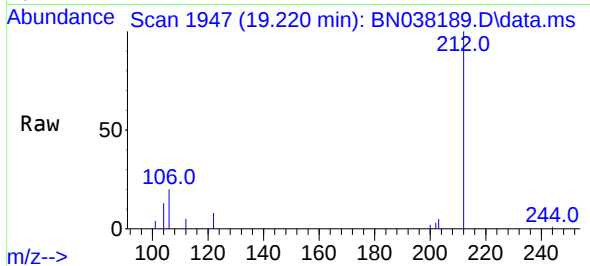




#27
Fluoranthene-d10
Concen: 0.330 ng
RT: 19.220 min Scan# 1947
Delta R.T. -0.000 min
Lab File: BN038189.D
Acq: 12 Nov 2025 13:09

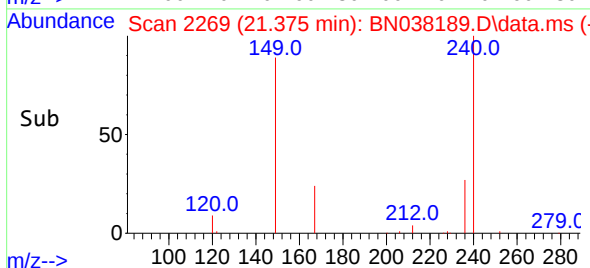
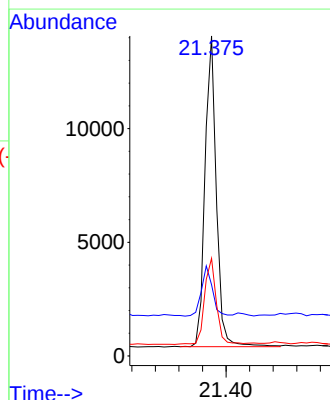
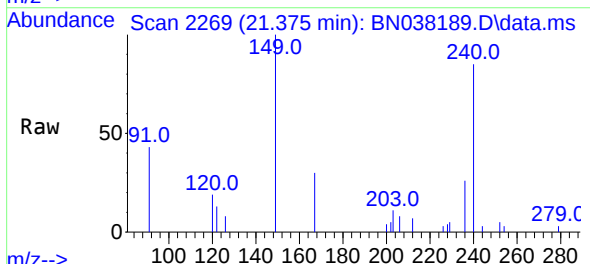
Instrument :
BNA_N
ClientSampleId :
MW-2

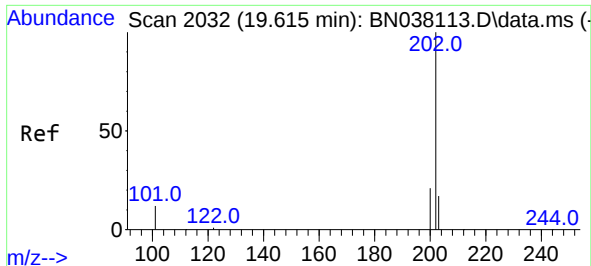
Tgt Ion:212 Resp: 27834
Ion Ratio Lower Upper
212 100
106 20.4 12.6 19.0#
104 11.4 7.1 10.7#



#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.375 min Scan# 2269
Delta R.T. -0.000 min
Lab File: BN038189.D
Acq: 12 Nov 2025 13:09

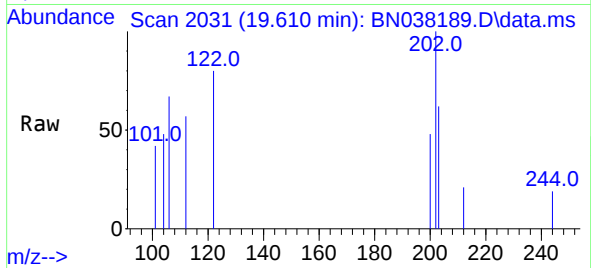
Tgt Ion:240 Resp: 18239
Ion Ratio Lower Upper
240 100
120 22.2 10.7 16.1#
236 30.5 23.1 34.7



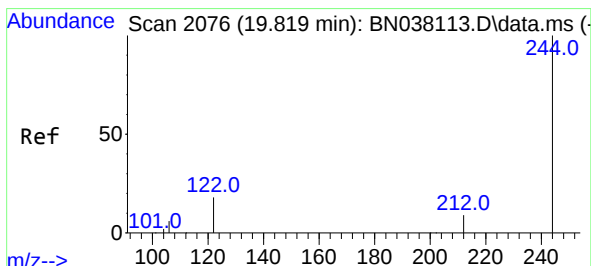
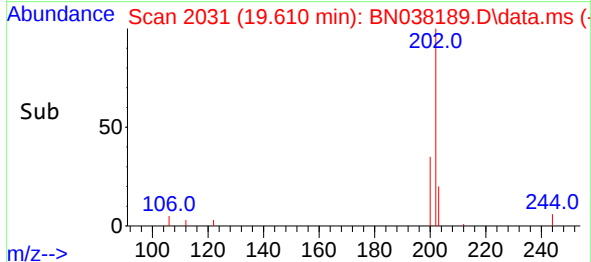
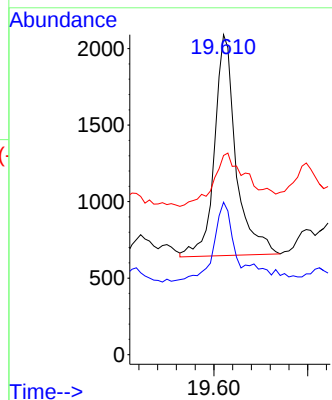


#30
Pyrene
Concen: 0.028 ng
RT: 19.610 min Scan# 2031
Delta R.T. -0.000 min
Lab File: BN038189.D
Acq: 12 Nov 2025 13:09

Instrument :
BNA_N
ClientSampleId :
MW-2

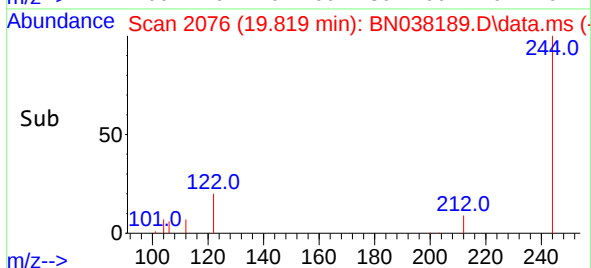
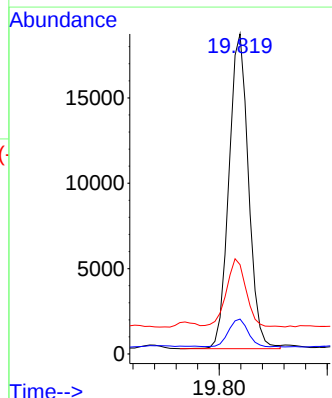
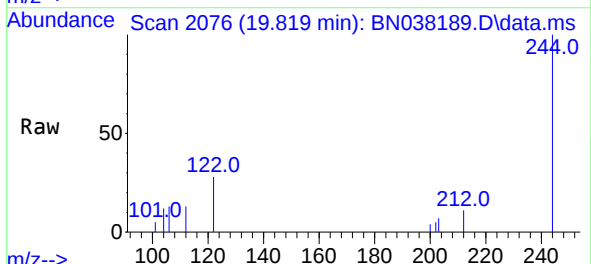


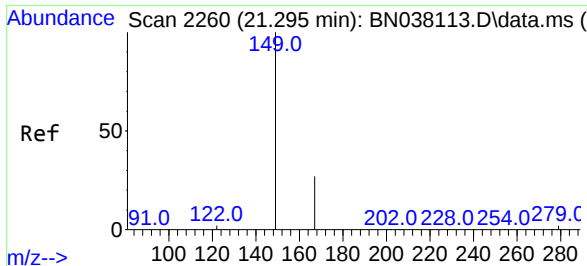
Tgt Ion:202 Resp: 2301
Ion Ratio Lower Upper
202 100
200 32.8 16.7 25.1#
203 39.9 14.2 21.2#



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

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

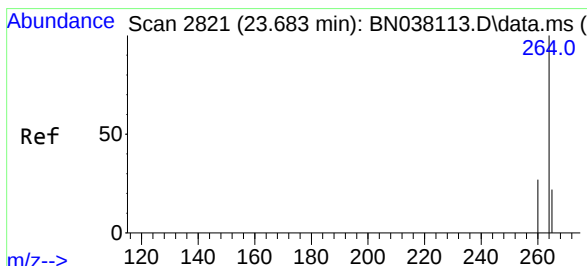
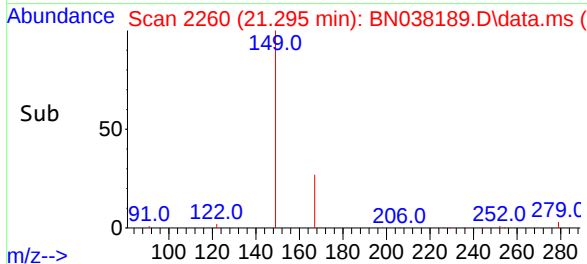
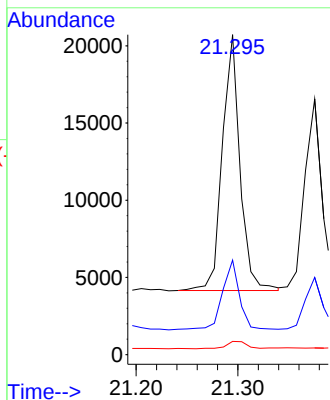
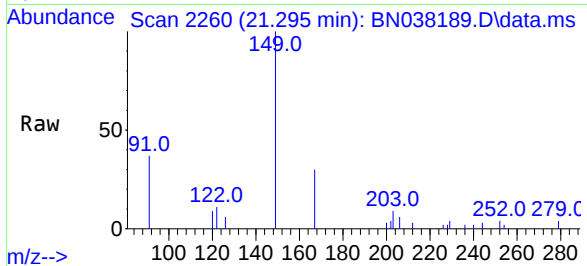




#34
Bis(2-ethylhexyl)phthalate
Concen: 0.583 ng
RT: 21.295 min Scan# 21
Delta R.T. -0.000 min
Lab File: BN038189.D
Acq: 12 Nov 2025 13:09

Instrument :
BNA_N
ClientSampleId :
MW-2

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



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

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

