

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

Instrument :
 BNA_N
 ClientSampleId :
 MW-3

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

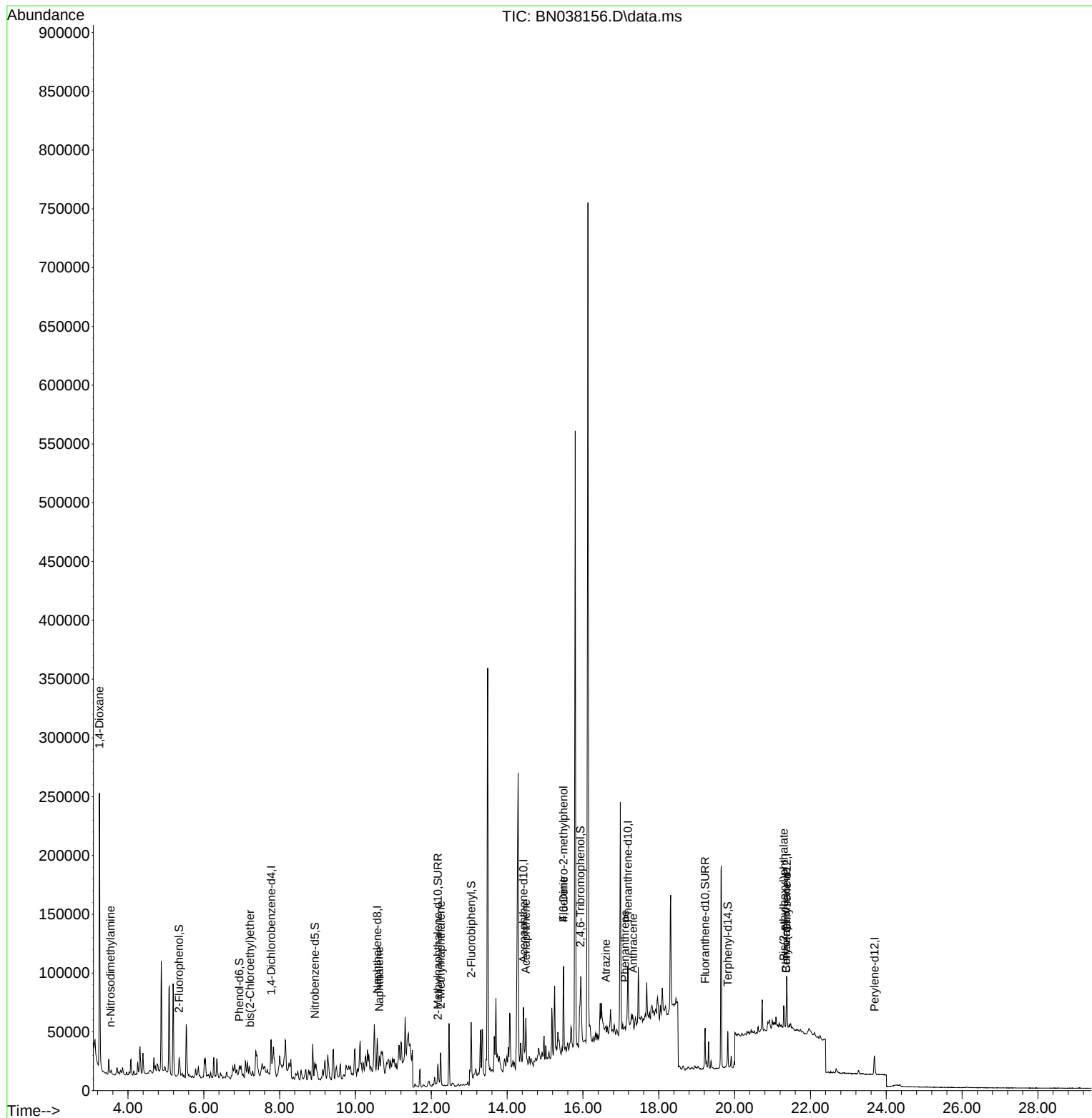
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.775	152	10844	0.400	ng	0.00
7) Naphthalene-d8	10.573	136	36387	0.400	ng	# 0.00
13) Acenaphthene-d10	14.430	164	31553	0.400	ng	# 0.00
19) Phenanthrene-d10	17.186	188	41176	0.400	ng	# 0.00
29) Chrysene-d12	21.375	240	24174	0.400	ng	# 0.00
35) Perylene-d12	23.689	264	21532	0.400	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.348	112	7616	0.298	ng	0.00
5) Phenol-d6	6.937	99	4714	0.152	ng	0.00
8) Nitrobenzene-d5	8.929	82	12578	0.428	ng	0.00
11) 2-Methylnaphthalene-d10	12.172	152	22349	0.430	ng	0.00
14) 2,4,6-Tribromophenol	15.932	330	5171	0.398	ng	0.00
15) 2-Fluorobiphenyl	13.051	172	35582	0.282	ng	0.00
27) Fluoranthene-d10	19.220	212	36874	0.355	ng	0.00
31) Terphenyl-d14	19.819	244	28579	0.544	ng	0.00
Target Compounds						
2) 1,4-Dioxane	3.247	88	142637	12.730	ng	98
3) n-Nitrosodimethylamine	3.543	42	845	0.059	ng	# 1
6) bis(2-Chloroethyl)ether	7.219	93	1153	0.038	ng	# 33
9) Naphthalene	10.626	128	10316	0.103	ng	# 77
12) 2-Methylnaphthalene	12.248	142	20729	0.310	ng	# 92
17) Acenaphthene	14.494	154	20901	0.209	ng	97
18) Fluorene	15.489	166	13238	0.101	ng	# 87
20) 4,6-Dinitro-2-methylph...	15.489	198	632	0.264	ng	# 1
23) Atrazine	16.602	200	459	0.023	ng	# 1
25) Phenanthrene	17.111	178	3684	0.028	ng	98
26) Anthracene	17.322	178	11096	0.097	ng	# 84
32) Benzo(a)anthracene	21.357	228	5019	0.058	ng	# 50
33) Chrysene	21.357	228	5019	0.054	ng	# 54
34) Bis(2-ethylhexyl)phtha...	21.295	149	18095	0.398	ng	97

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

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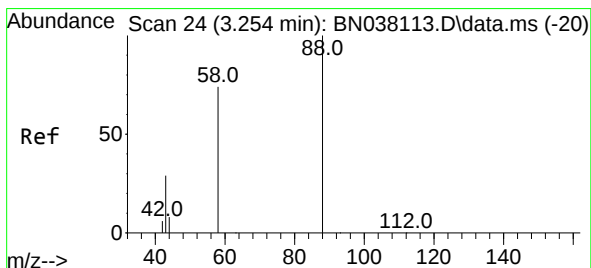
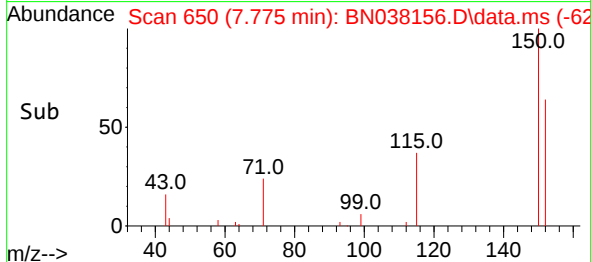
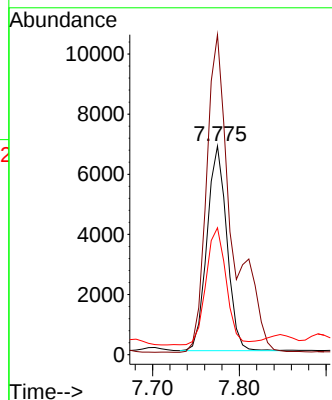
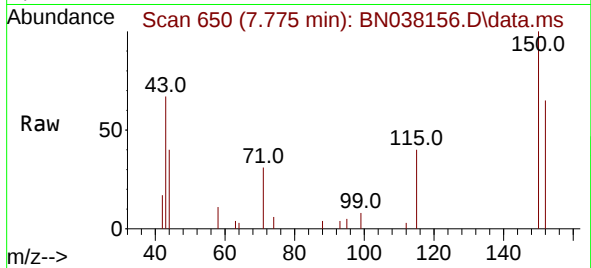




#1
 1,4-Dichlorobenzene-d4
 Concen: 0.400 ng
 RT: 7.775 min Scan# 61
 Delta R.T. -0.000 min
 Lab File: BN038156.D
 Acq: 07 Nov 2025 16:10

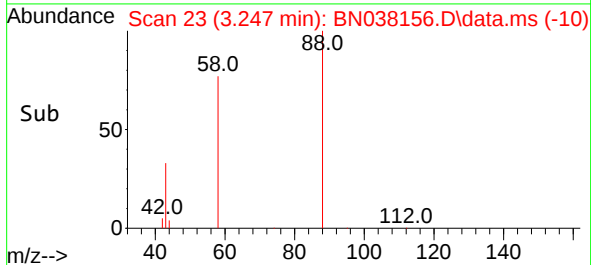
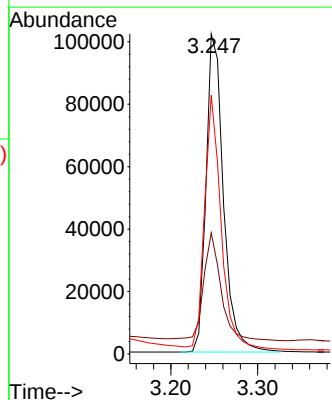
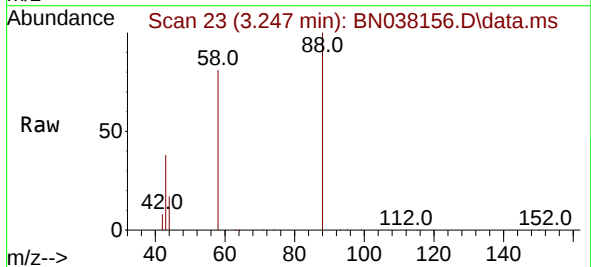
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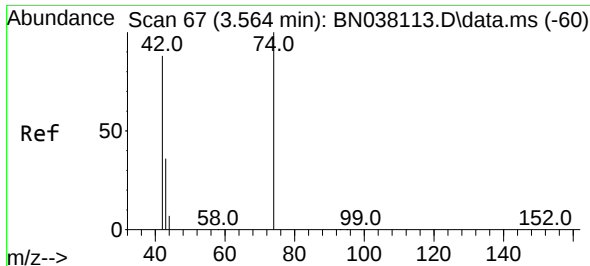
Tgt Ion:152 Resp: 10844
 Ion Ratio Lower Upper
 152 100
 150 153.4 122.3 183.5
 115 60.8 47.4 71.0



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

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

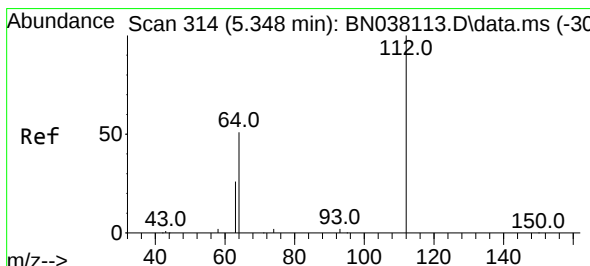
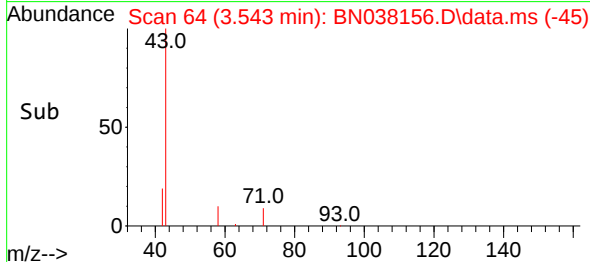
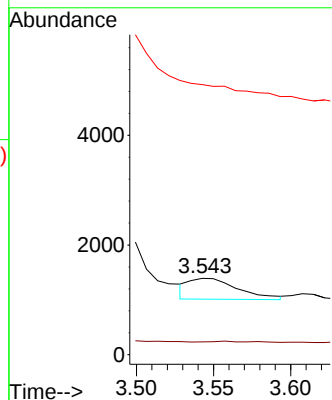
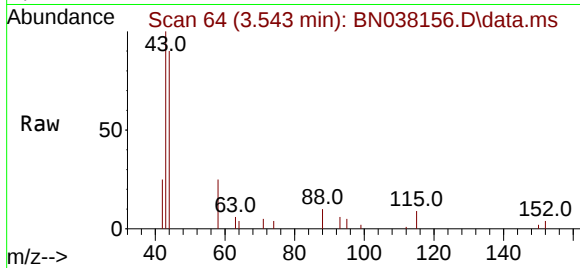




#3
n-Nitrosodimethylamine
Concen: 0.059 ng
RT: 3.543 min Scan# 64
Delta R.T. -0.015 min
Lab File: BN038156.D
Acq: 07 Nov 2025 16:10

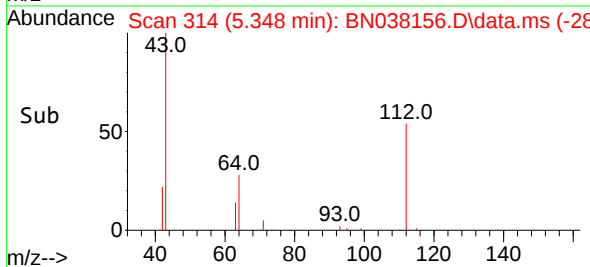
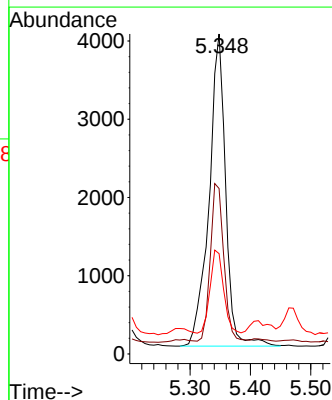
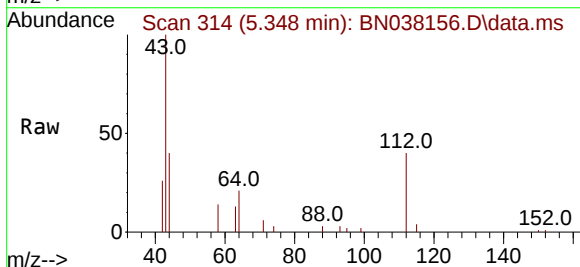
Instrument :
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ClientSampleId :
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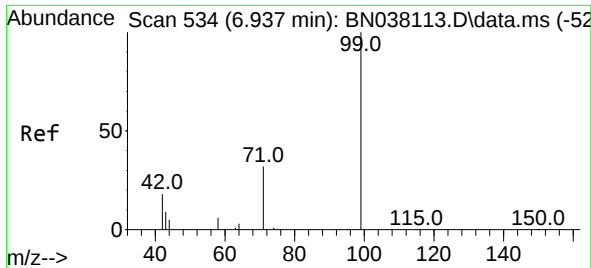
Tgt Ion: 42 Resp: 845
Ion Ratio Lower Upper
42 100
74 4.7 96.8 145.2#
44 0.0 5.3 7.9#



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

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

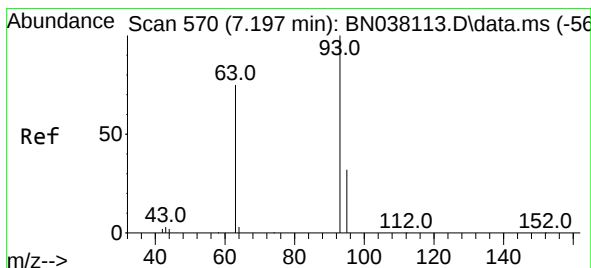
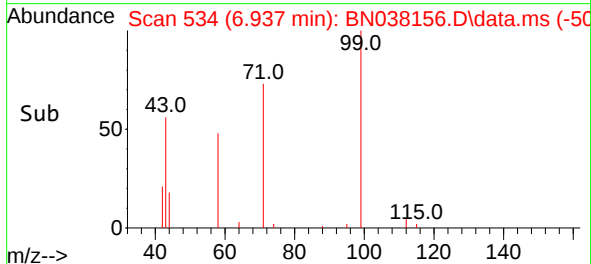
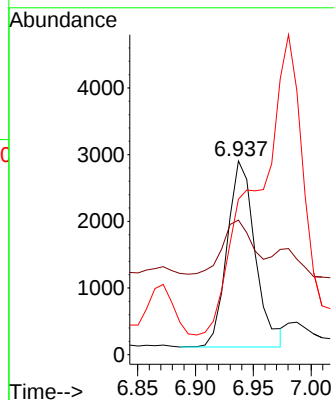
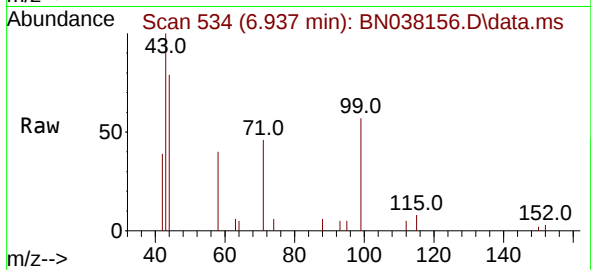




#5
Phenol-d6
Concen: 0.152 ng
RT: 6.937 min Scan# 51
Delta R.T. -0.000 min
Lab File: BN038156.D
Acq: 07 Nov 2025 16:10

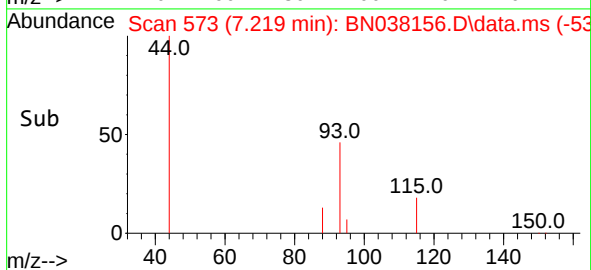
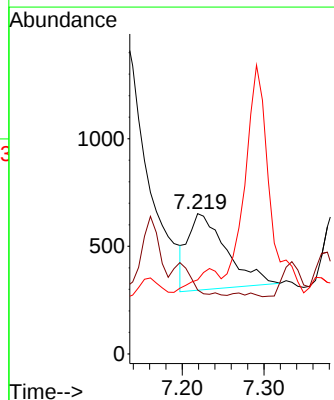
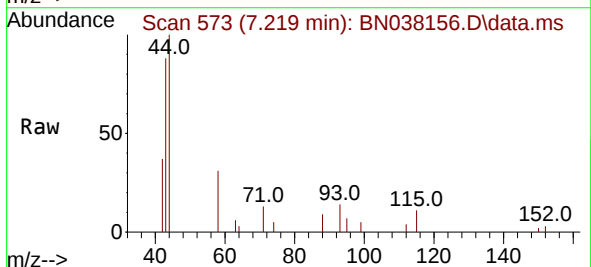
Instrument :
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ClientSampleId :
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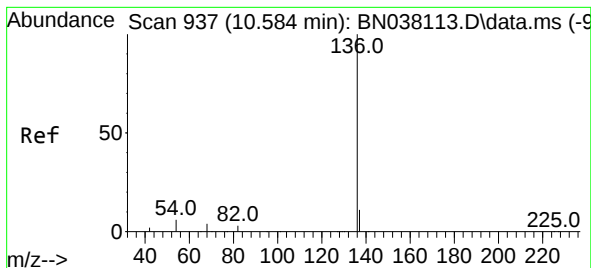
Tgt Ion: 99 Resp: 4714
Ion Ratio Lower Upper
99 100
42 30.7 16.6 24.8#
71 0.0 25.4 38.2#



#6
bis(2-Chloroethyl)ether
Concen: 0.038 ng
RT: 7.219 min Scan# 573
Delta R.T. 0.022 min
Lab File: BN038156.D
Acq: 07 Nov 2025 16:10

Tgt Ion: 93 Resp: 1153
Ion Ratio Lower Upper
93 100
63 0.0 59.3 88.9#
95 20.6 25.2 37.8#





#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.573 min Scan# 91

Delta R.T. -0.000 min

Lab File: BN038156.D

Acq: 07 Nov 2025 16:10

Instrument :

BNA_N

ClientSampleId :

MW-3

Tgt Ion:136 Resp: 36387

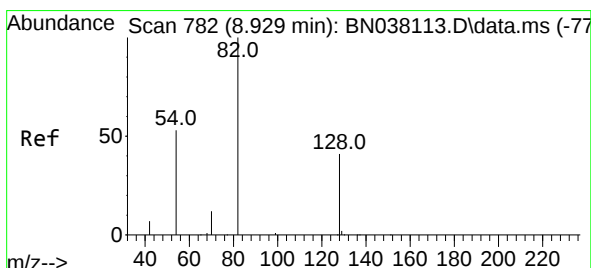
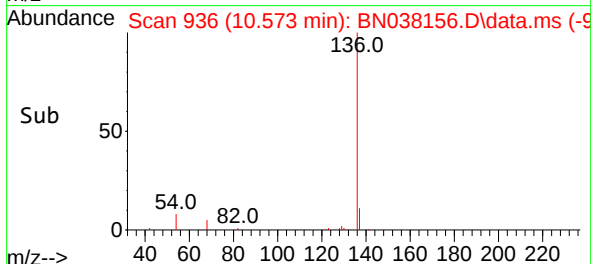
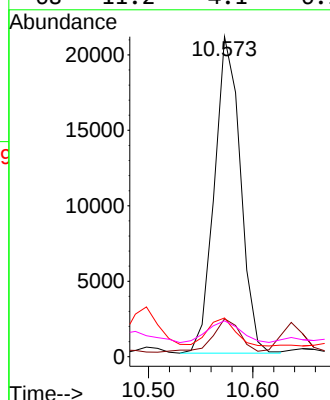
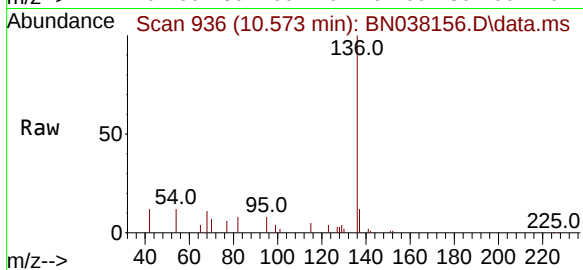
Ion Ratio Lower Upper

136 100

137 11.8 9.0 13.4

54 12.1 5.2 7.8#

68 11.2 4.1 6.1#



#8

Nitrobenzene-d5

Concen: 0.428 ng

RT: 8.929 min Scan# 782

Delta R.T. -0.000 min

Lab File: BN038156.D

Acq: 07 Nov 2025 16:10

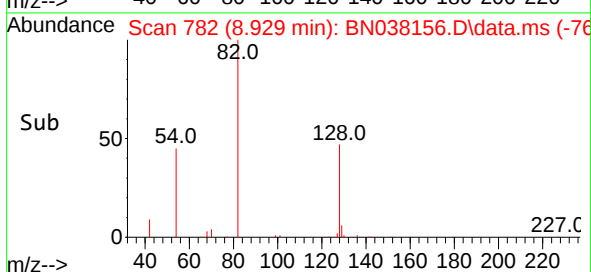
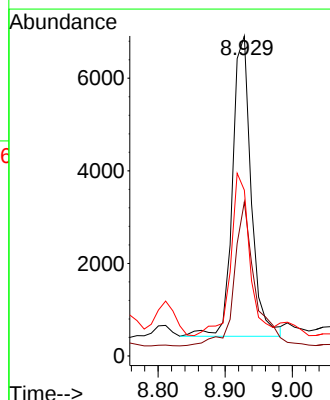
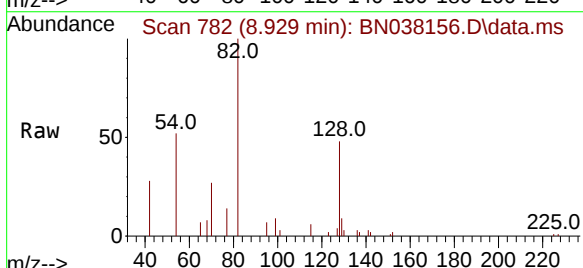
Tgt Ion: 82 Resp: 12578

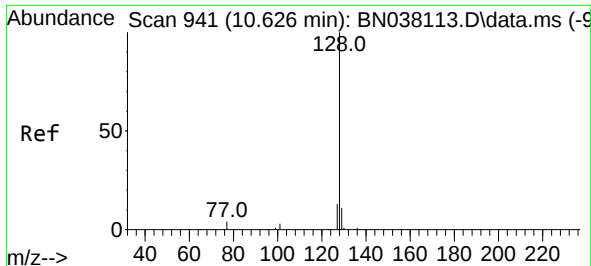
Ion Ratio Lower Upper

82 100

128 48.1 34.1 51.1

54 51.8 43.5 65.3

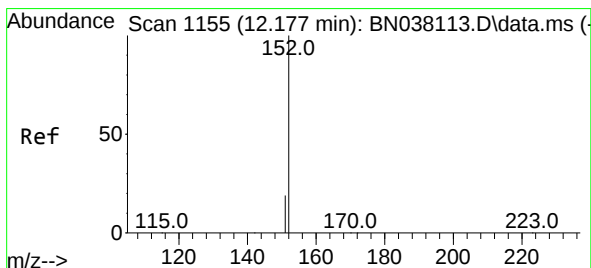
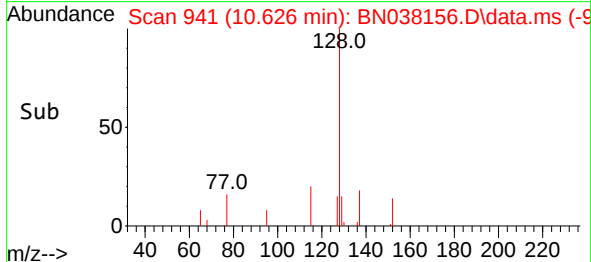
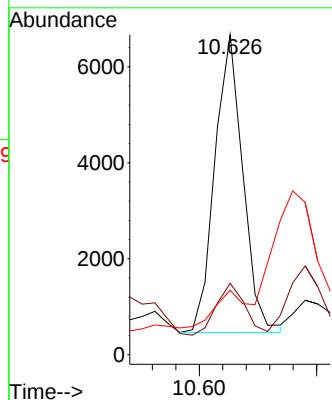
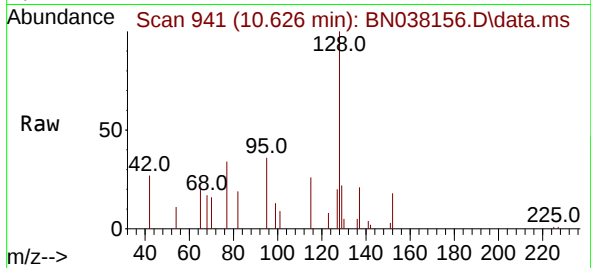




#9
Naphthalene
Concen: 0.103 ng
RT: 10.626 min Scan# 941
Delta R.T. -0.000 min
Lab File: BN038156.D
Acq: 07 Nov 2025 16:10

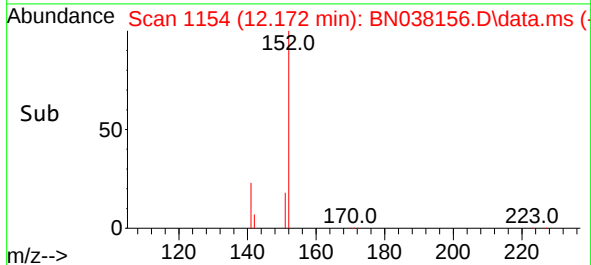
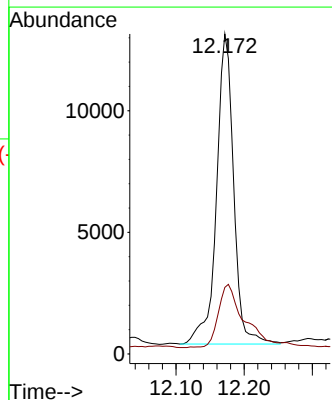
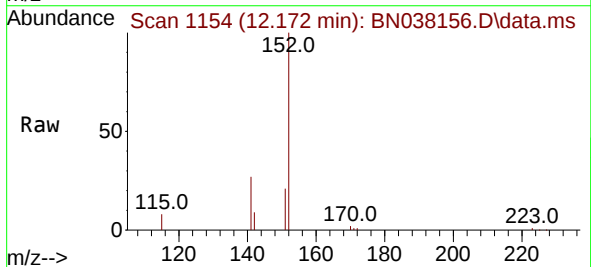
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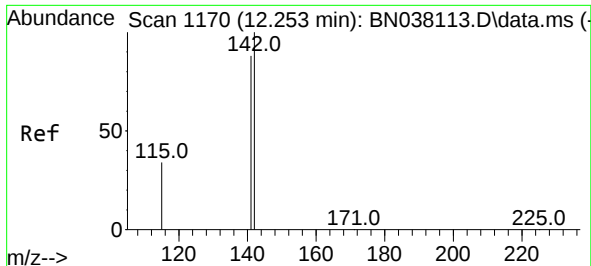
Tgt Ion:128 Resp: 10316
Ion Ratio Lower Upper
128 100
129 22.3 9.1 13.7#
127 20.1 10.5 15.7#



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

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

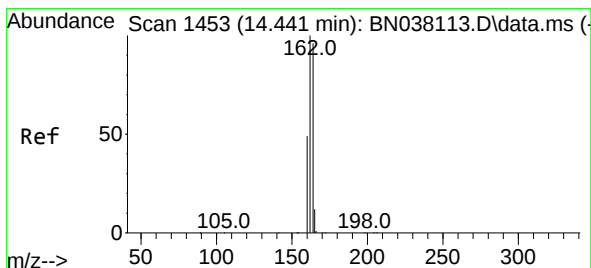
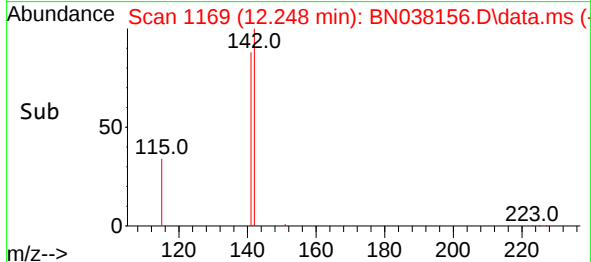
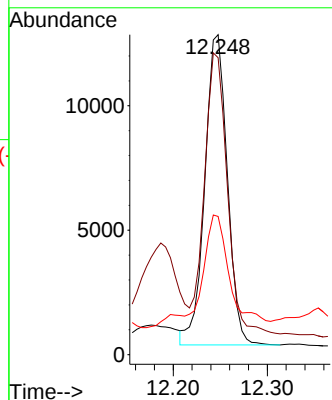
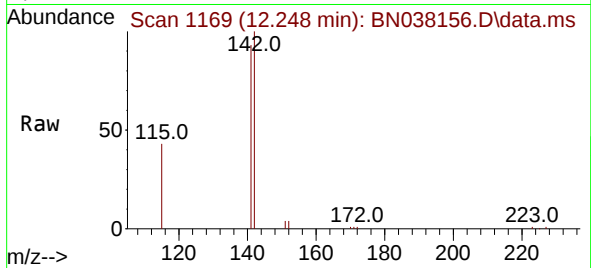




#12
2-Methylnaphthalene
Concen: 0.310 ng
RT: 12.248 min Scan# 1169
Delta R.T. -0.000 min
Lab File: BN038156.D
Acq: 07 Nov 2025 16:10

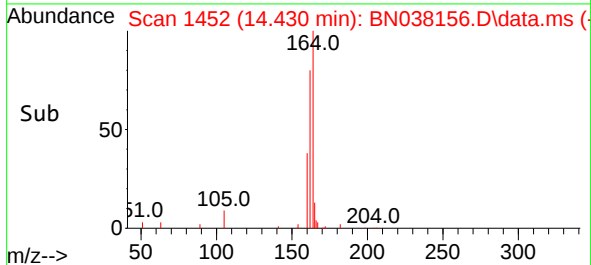
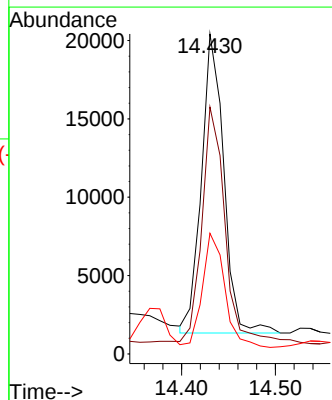
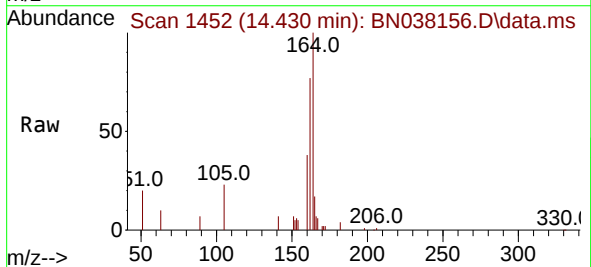
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BNA_N
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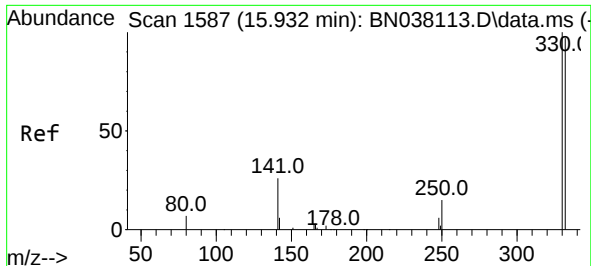
Tgt Ion:142 Resp: 20729
Ion Ratio Lower Upper
142 100
141 92.8 70.3 105.5
115 43.2 27.8 41.6#



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

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

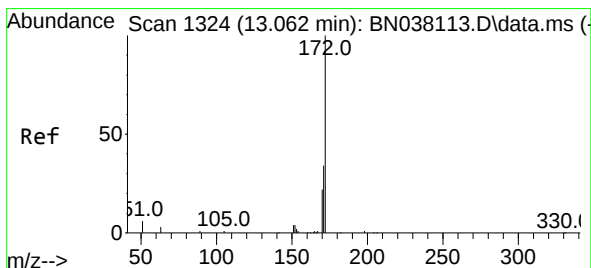
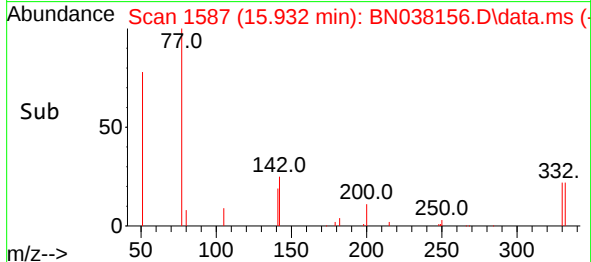
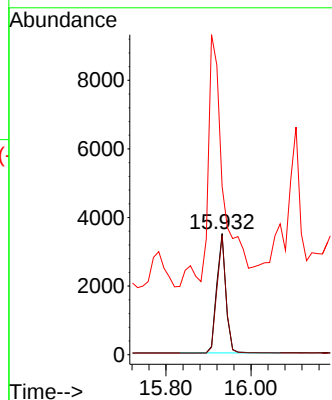
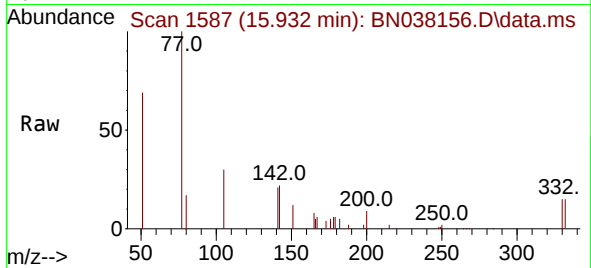




#14
2,4,6-Tribromophenol
Concen: 0.398 ng
RT: 15.932 min Scan# 11
Delta R.T. 0.000 min
Lab File: BN038156.D
Acq: 07 Nov 2025 16:10

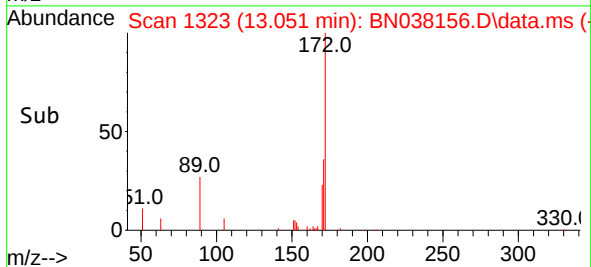
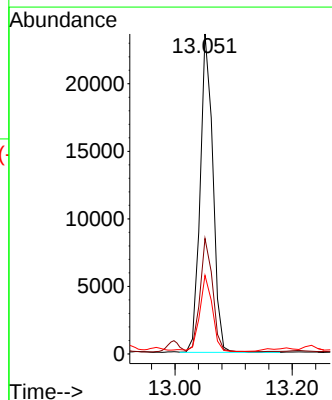
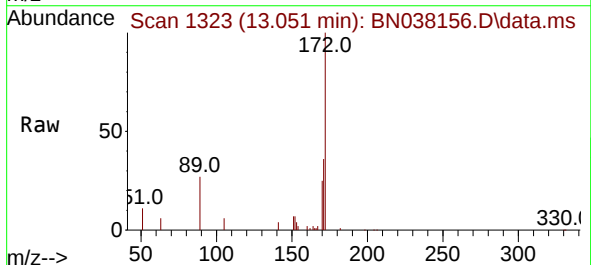
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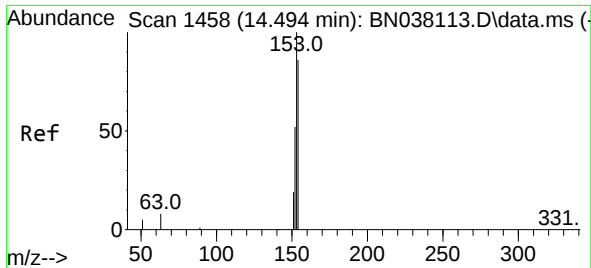
Tgt Ion:330 Resp: 5171
Ion Ratio Lower Upper
330 100
332 97.4 76.6 114.8
141 0.0 34.1 51.1#



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

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

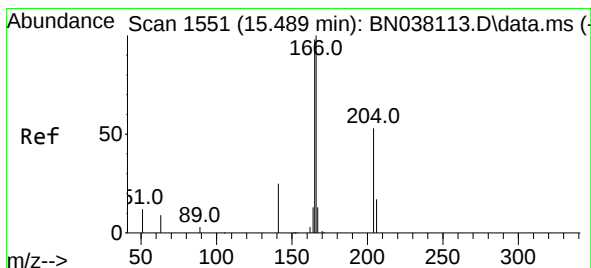
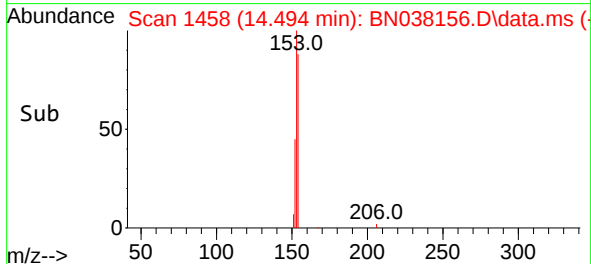
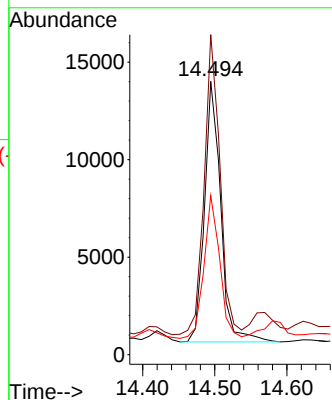
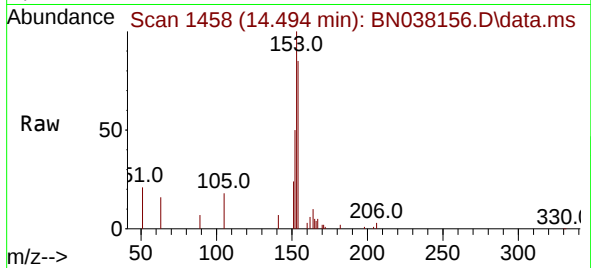




#17
Acenaphthene
Concen: 0.209 ng
RT: 14.494 min Scan# 1458
Delta R.T. -0.000 min
Lab File: BN038156.D
Acq: 07 Nov 2025 16:10

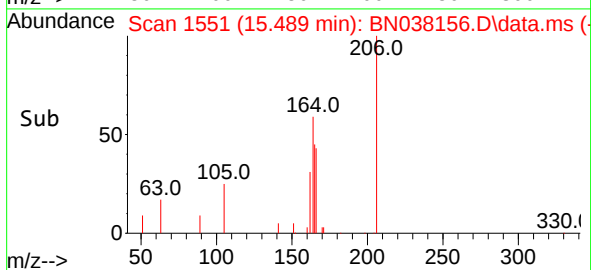
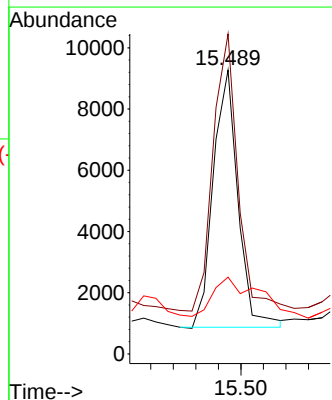
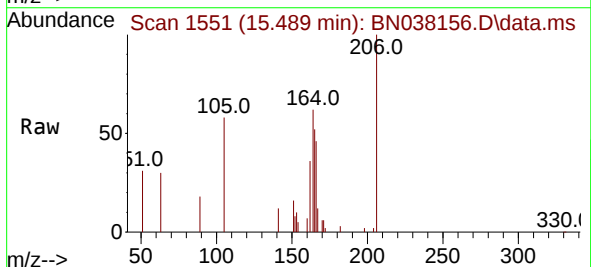
Instrument :
BNA_N
ClientSampleId :
MW-3

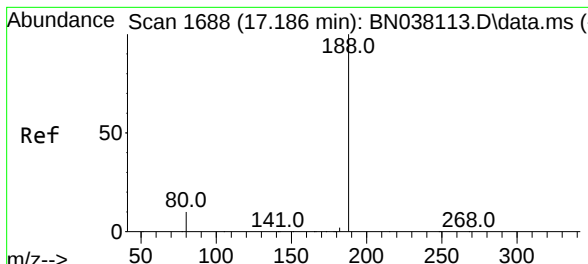
Tgt Ion:154 Resp: 20901
Ion Ratio Lower Upper
154 100
153 111.8 90.0 135.0
152 52.9 47.3 70.9



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

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

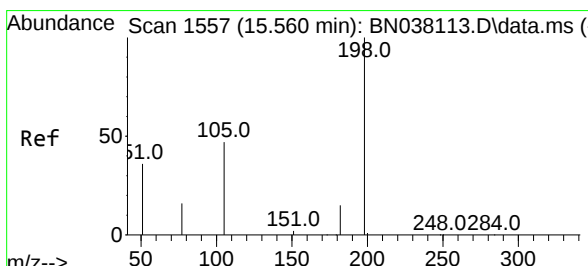
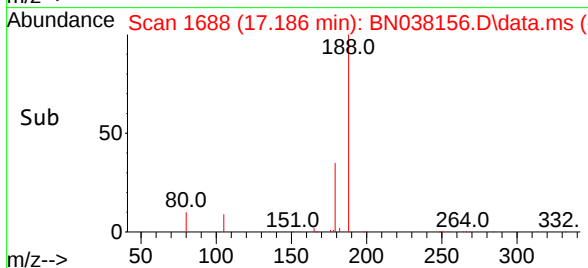
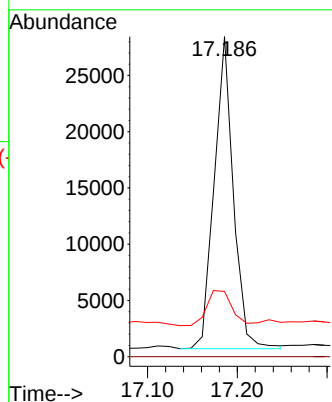
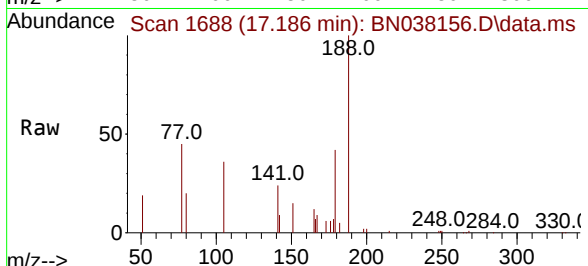




#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.186 min Scan# 1688
Delta R.T. -0.000 min
Lab File: BN038156.D
Acq: 07 Nov 2025 16:10

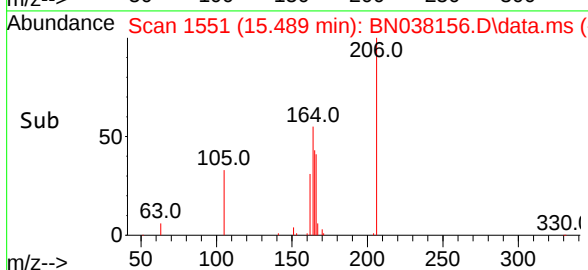
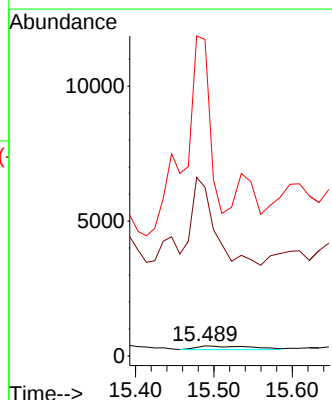
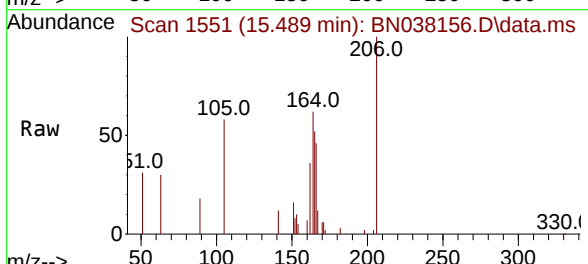
Instrument :
BNA_N
ClientSampleId :
MW-3

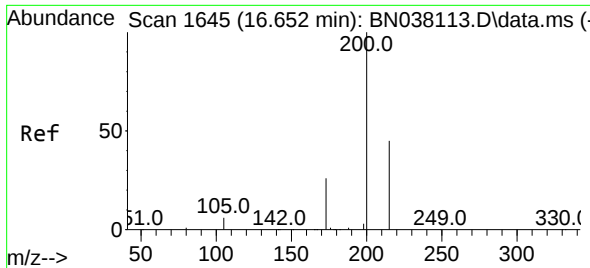
Tgt Ion:188 Resp: 41176
Ion Ratio Lower Upper
188 100
94 0.0 0.0 0.0
80 20.4 8.6 13.0#



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

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

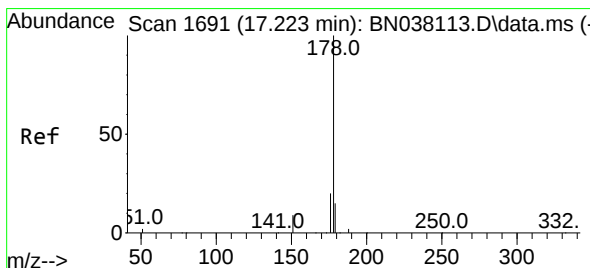
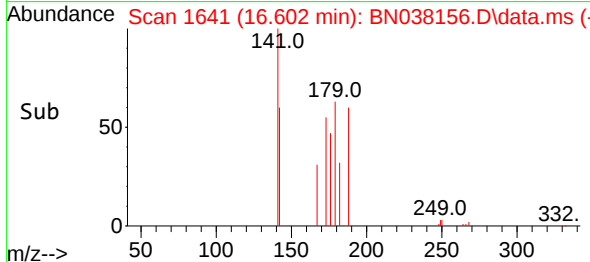
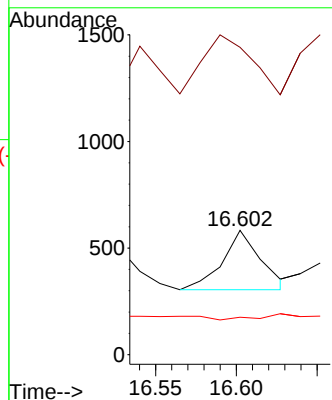
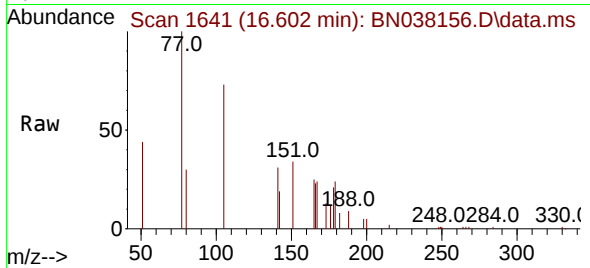




#23
 Atrazine
 Concen: 0.023 ng
 RT: 16.602 min Scan# 1641
 Delta R.T. -0.050 min
 Lab File: BN038156.D
 Acq: 07 Nov 2025 16:10

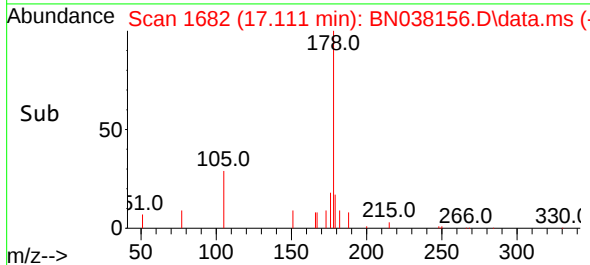
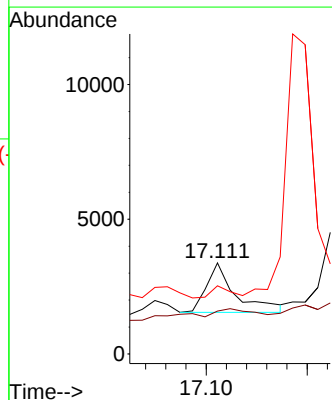
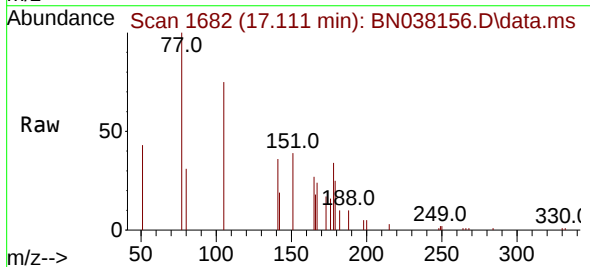
Instrument :
 BNA_N
 ClientSampleId :
 MW-3

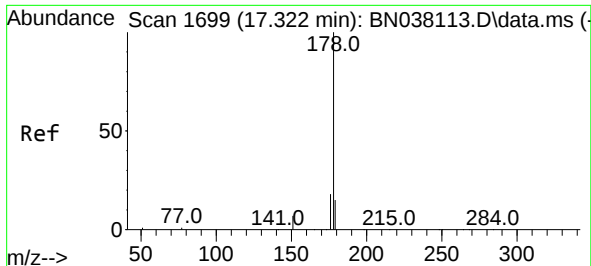
Tgt Ion:200 Resp: 459
 Ion Ratio Lower Upper
 200 100
 173 247.3 21.4 32.2#
 215 30.2 36.7 55.1#



#25
 Phenanthrene
 Concen: 0.028 ng
 RT: 17.111 min Scan# 1682
 Delta R.T. -0.112 min
 Lab File: BN038156.D
 Acq: 07 Nov 2025 16:10

Tgt Ion:178 Resp: 3684
 Ion Ratio Lower Upper
 178 100
 176 18.4 15.5 23.3
 179 16.3 12.2 18.4

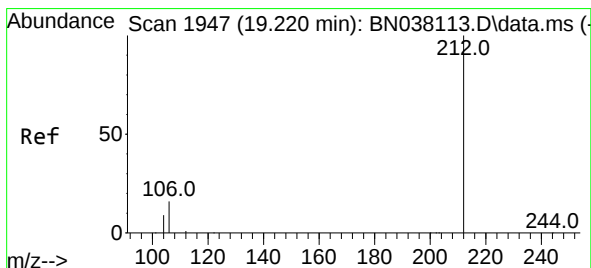
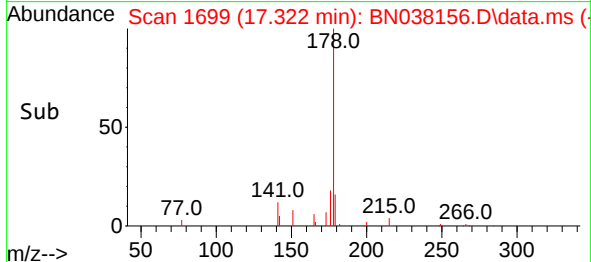
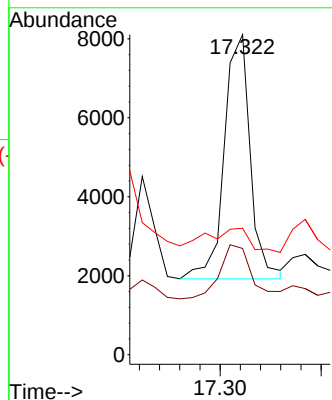
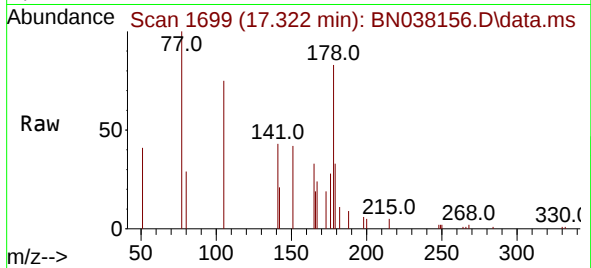




#26
 Anthracene
 Concen: 0.097 ng
 RT: 17.322 min Scan# 1699
 Delta R.T. -0.000 min
 Lab File: BN038156.D
 Acq: 07 Nov 2025 16:10

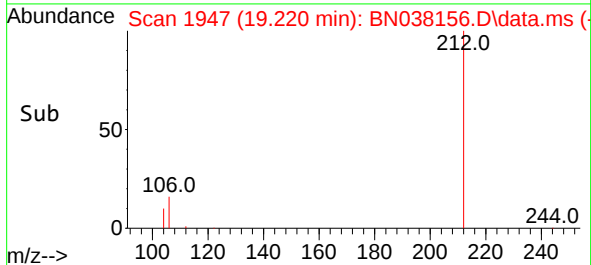
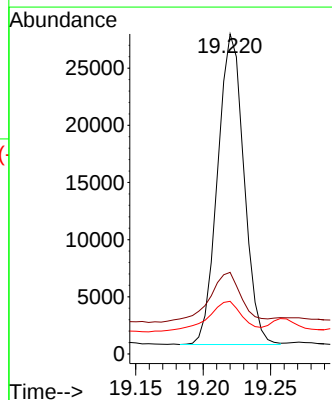
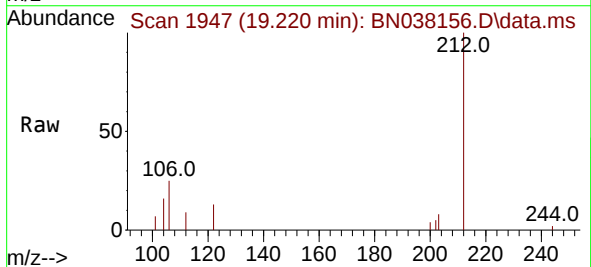
Instrument :
 BNA_N
 ClientSampleId :
 MW-3

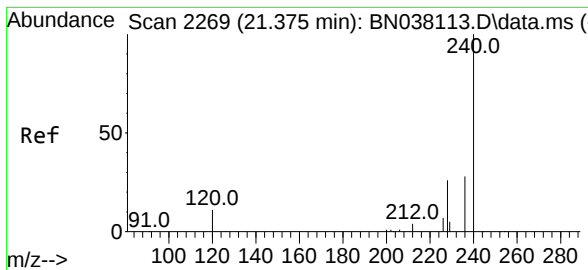
Tgt Ion:178 Resp: 11096
 Ion Ratio Lower Upper
 178 100
 176 27.3 14.9 22.3#
 179 19.3 11.8 17.8#



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

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





#29

Chrysene-d12

Concen: 0.400 ng

RT: 21.375 min Scan# 21

Delta R.T. -0.000 min

Lab File: BN038156.D

Acq: 07 Nov 2025 16:10

Instrument :

BNA_N

ClientSampleId :

MW-3

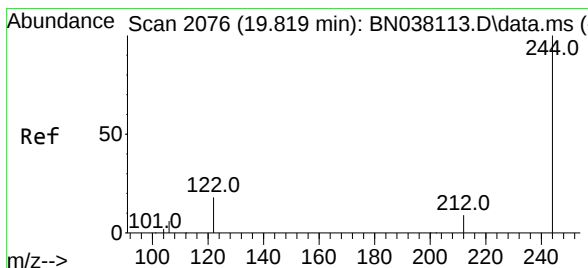
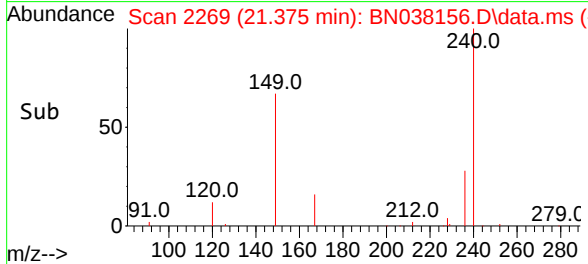
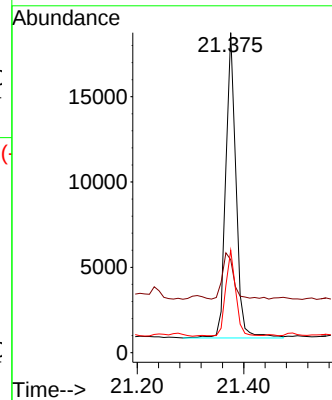
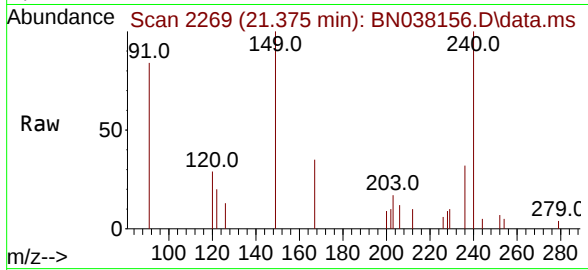
Tgt Ion:240 Resp: 24174

Ion Ratio Lower Upper

240 100

120 29.1 10.7 16.1#

236 32.0 23.1 34.7



#31

Terphenyl-d14

Concen: 0.544 ng

RT: 19.819 min Scan# 2076

Delta R.T. -0.000 min

Lab File: BN038156.D

Acq: 07 Nov 2025 16:10

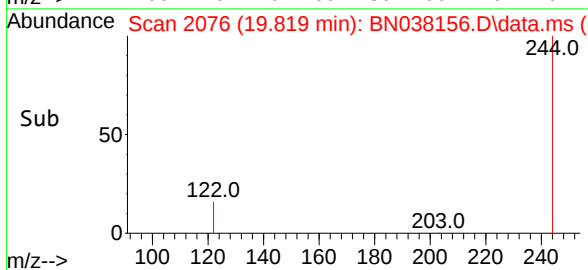
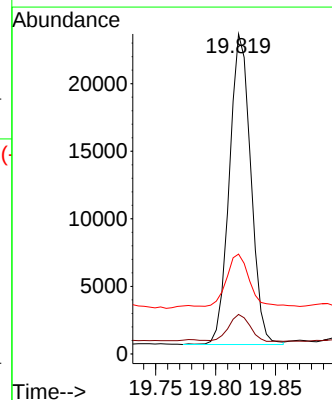
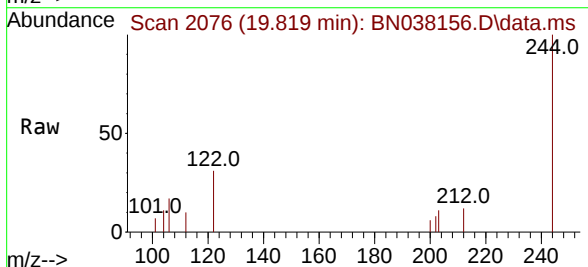
Tgt Ion:244 Resp: 28579

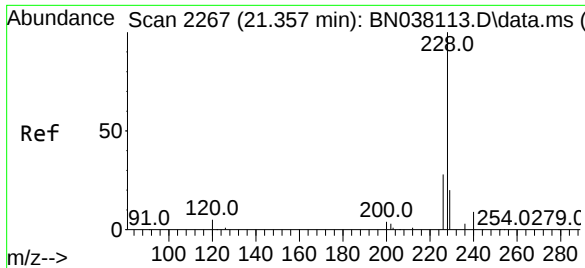
Ion Ratio Lower Upper

244 100

212 12.3 7.8 11.6#

122 31.2 15.2 22.8#

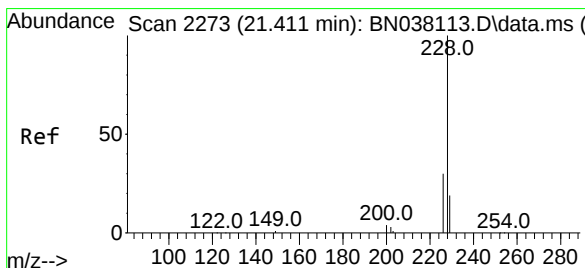
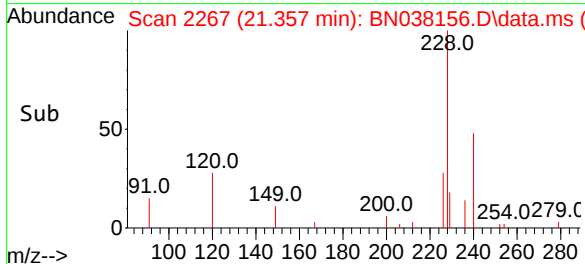
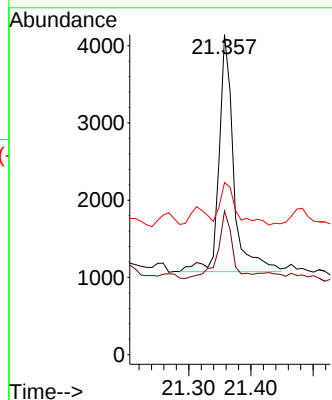
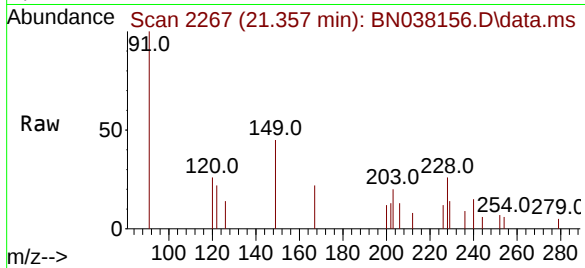




#32
Benzo(a)anthracene
Concen: 0.058 ng
RT: 21.357 min Scan# 21
Delta R.T. -0.000 min
Lab File: BN038156.D
Acq: 07 Nov 2025 16:10

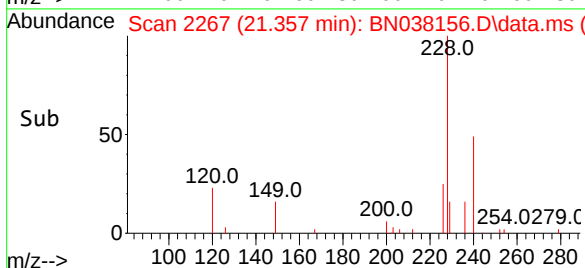
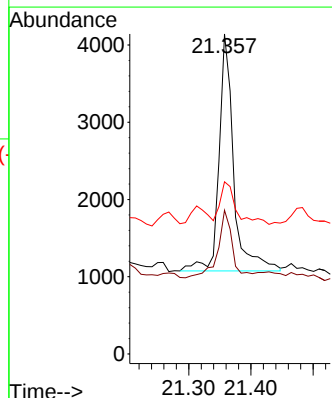
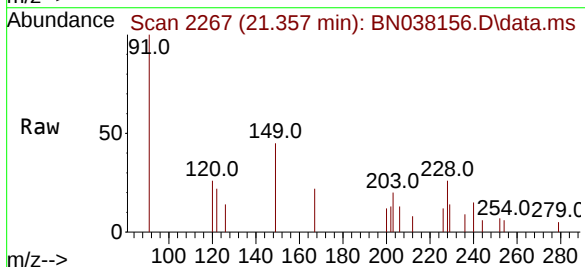
Instrument :
BNA_N
ClientSampleId :
MW-3

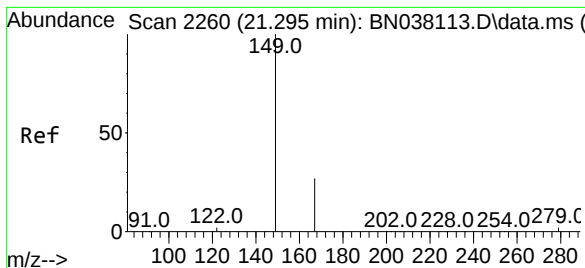
Tgt Ion:228 Resp: 5019
Ion Ratio Lower Upper
228 100
226 44.9 22.2 33.4#
229 53.8 15.8 23.8#



#33
Chrysene
Concen: 0.054 ng
RT: 21.357 min Scan# 2267
Delta R.T. -0.054 min
Lab File: BN038156.D
Acq: 07 Nov 2025 16:10

Tgt Ion:228 Resp: 5019
Ion Ratio Lower Upper
228 100
226 44.9 24.3 36.5#
229 53.8 15.7 23.5#

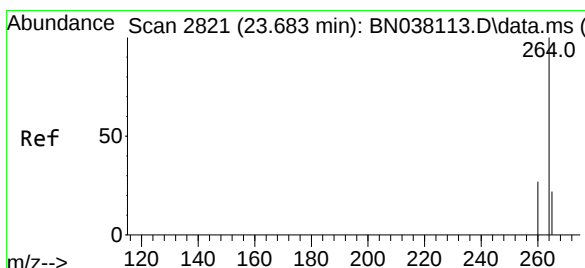
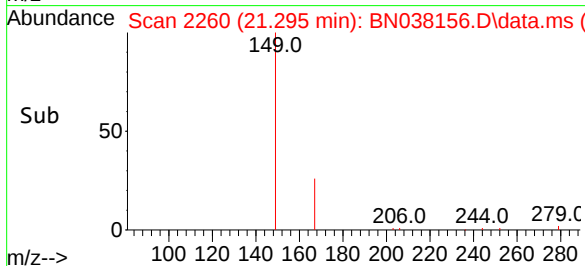
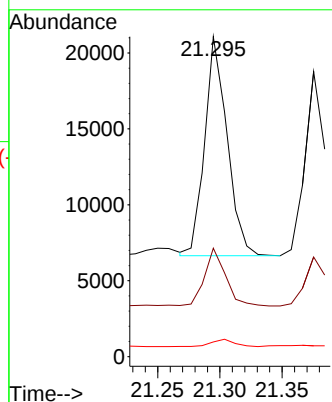
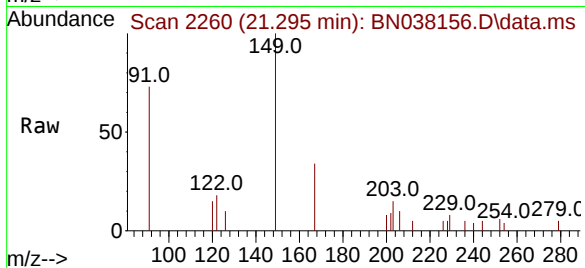




#34
 Bis(2-ethylhexyl)phthalate
 Concen: 0.398 ng
 RT: 21.295 min Scan# 21
 Delta R.T. -0.000 min
 Lab File: BN038156.D
 Acq: 07 Nov 2025 16:10

Instrument :
 BNA_N
 ClientSampleId :
 MW-3

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



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

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

