

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG110625\
 Data File : BG064706.D
 Acq On : 6 Nov 2025 17:09
 Operator : RC/JU
 Sample : Q3534-07
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 MW-EB-3

Quant Time: Nov 07 00:31:41 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG102425.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Nov 03 18:16:26 2025
 Response via : Initial Calibration

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

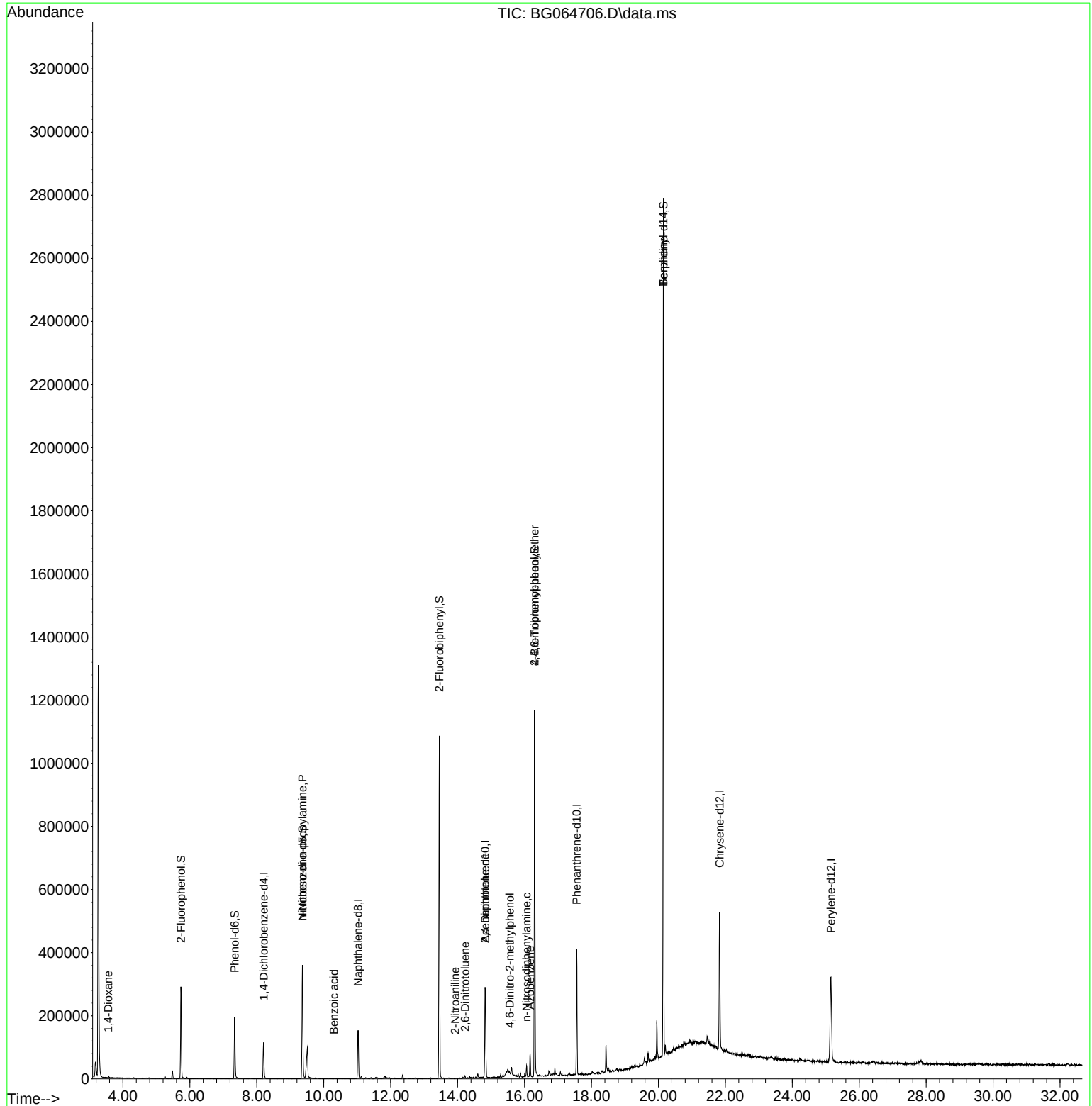
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.204	152	33315	20.000	ng	-0.02
21) Naphthalene-d8	11.024	136	133129	20.000	ng	#-0.02
39) Acenaphthene-d10	14.820	164	109224	20.000	ng	-0.02
64) Phenanthrene-d10	17.558	188	255947	20.000	ng	#-0.02
76) Chrysene-d12	21.829	240	309555	20.000	ng	#-0.03
86) Perylene-d12	25.155	264	340594	20.000	ng	-0.04
System Monitoring Compounds						
5) 2-Fluorophenol	5.730	112	121020	60.973	ng	-0.02
7) Phenol-d6	7.334	99	113146	41.543	ng	-0.02
23) Nitrobenzene-d5	9.361	82	213261	96.215	ng	-0.02
42) 2,4,6-Tribromophenol	16.300	330	267052	169.403	ng	-0.02
45) 2-Fluorobiphenyl	13.451	172	591707	82.114	ng	-0.02
79) Terphenyl-d14	20.149	244	1395468	85.073	ng	-0.02
Target Compounds						Qvalue
2) 1,4-Dioxane	3.562	88	1978	2.251	ng	# 64
19) n-Nitroso-di-n-propyla...	9.361	70	29133	15.478	ng	# 69
32) Benzoic acid	10.302	122	135	4.841	ng	# 1
48) 2-Nitroaniline	13.927	65	67	3.257	ng	# 10
51) 2,6-Dinitrotoluene	14.221	165	996	3.867	ng	# 56
57) 2,4-Dinitrotoluene	14.820	165	13385	8.929	ng	# 22
63) Azobenzene	16.165	77	21229	2.711	ng	# 1
65) 4,6-Dinitro-2-methylph...	15.554	198	70	5.482	ng	# 1
66) n-Nitrosodiphenylamine	16.060	169	15042	2.176	ng	97
67) 4-Bromophenyl-phenylether	16.300	248	16222	5.348	ng	# 1
77) Benzidine	20.149	184	20993	3.027	ng	95

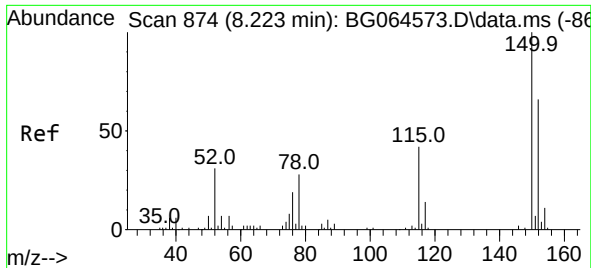
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG110625\
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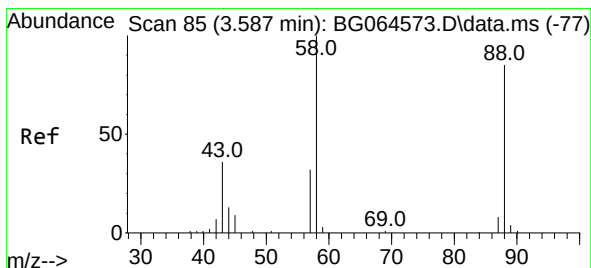
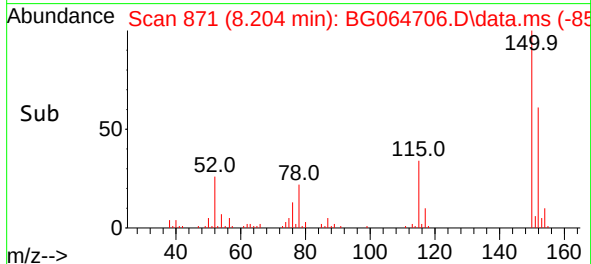
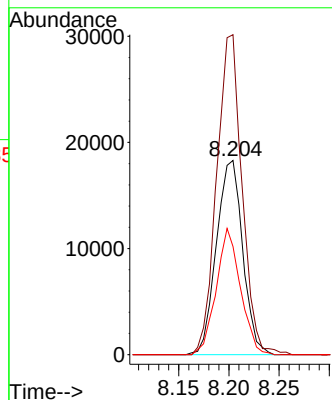
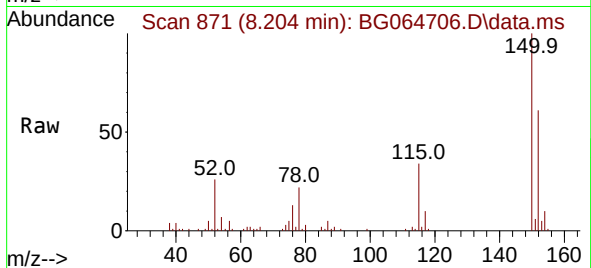




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.204 min Scan# 81
Delta R.T. -0.019 min
Lab File: BG064706.D
Acq: 6 Nov 2025 17:09

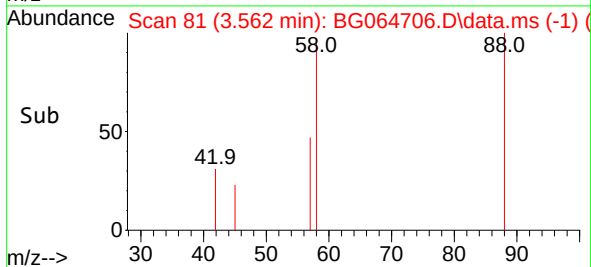
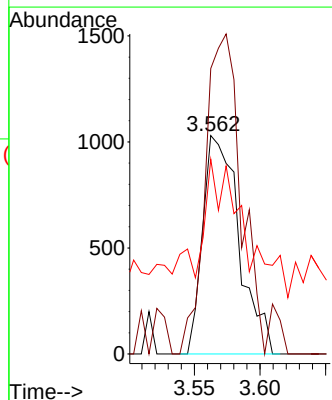
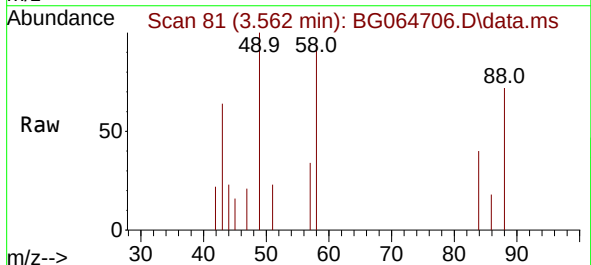
Instrument :
BNA_G
ClientSampleId :
MW-EB-3

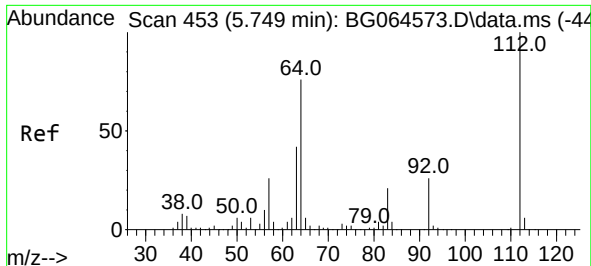
Tgt Ion:152 Resp: 33315
Ion Ratio Lower Upper
152 100
150 164.8 122.2 183.4
115 55.7 50.8 76.2



#2
1,4-Dioxane
Concen: 2.251 ng
RT: 3.562 min Scan# 81
Delta R.T. -0.025 min
Lab File: BG064706.D
Acq: 6 Nov 2025 17:09

Tgt Ion: 88 Resp: 1978
Ion Ratio Lower Upper
88 100
58 143.2 92.4 138.6#
43 0.0 33.0 49.6#

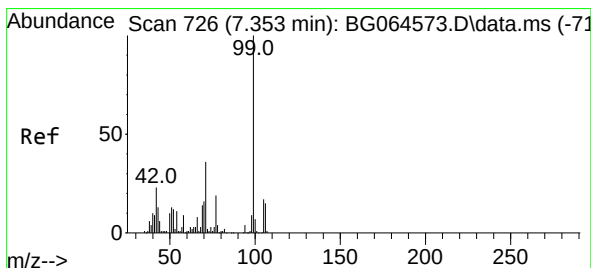
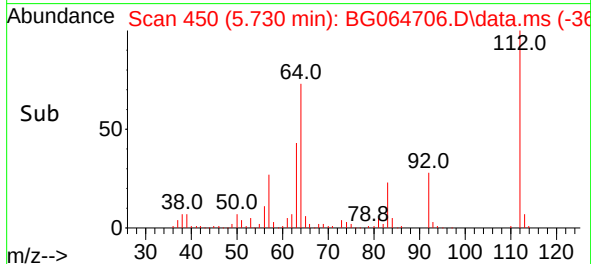
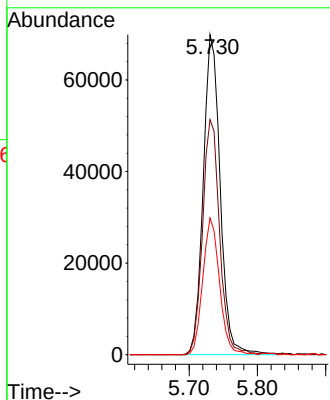
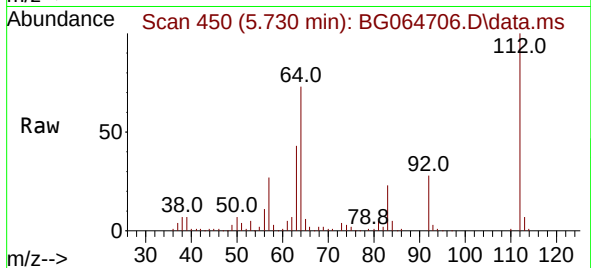




#5
2-Fluorophenol
Concen: 60.973 ng
RT: 5.730 min Scan# 41
Delta R.T. -0.019 min
Lab File: BG064706.D
Acq: 6 Nov 2025 17:09

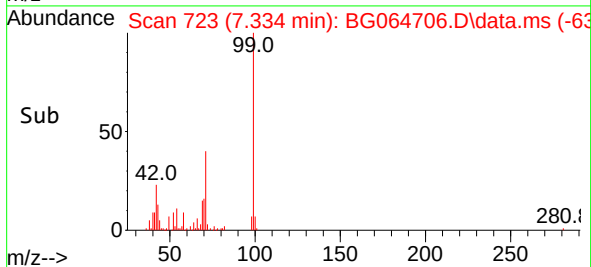
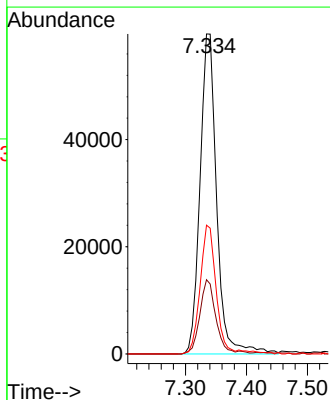
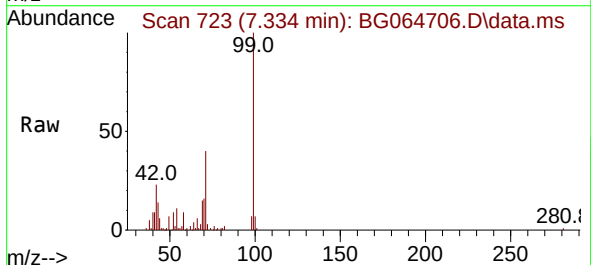
Instrument :
BNA_G
ClientSampleId :
MW-EB-3

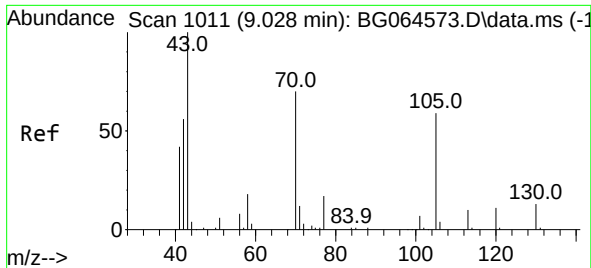
Tgt Ion:112 Resp: 121020
Ion Ratio Lower Upper
112 100
64 73.5 60.7 91.1
63 42.7 33.4 50.0



#7
Phenol-d6
Concen: 41.543 ng
RT: 7.334 min Scan# 723
Delta R.T. -0.019 min
Lab File: BG064706.D
Acq: 6 Nov 2025 17:09

Tgt Ion: 99 Resp: 113146
Ion Ratio Lower Upper
99 100
42 23.2 18.3 27.5
71 40.2 28.6 43.0

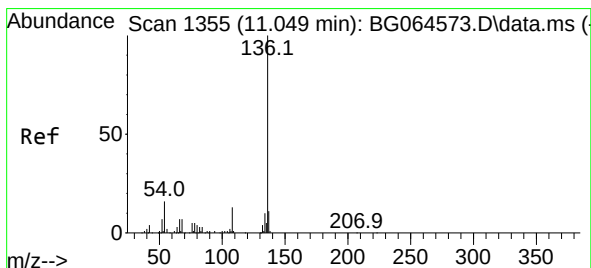
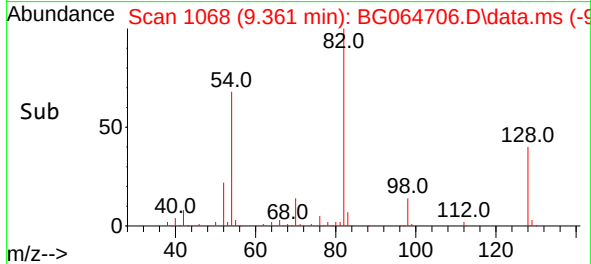
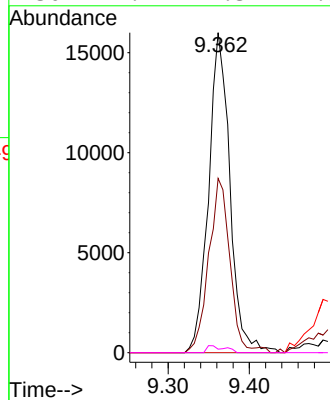
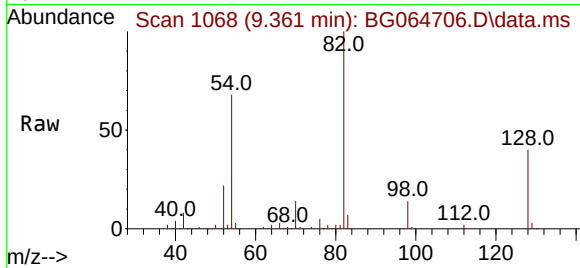




#19
n-Nitroso-di-n-propylamine
Concen: 15.478 ng
RT: 9.361 min Scan# 1068
Delta R.T. 0.334 min
Lab File: BG064706.D
Acq: 6 Nov 2025 17:09

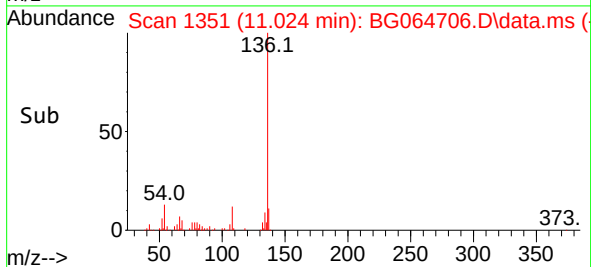
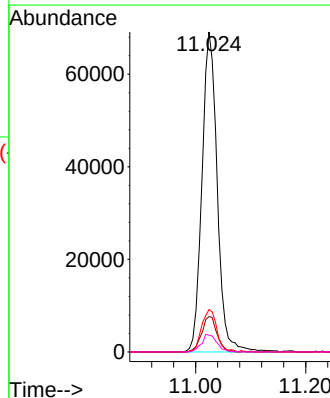
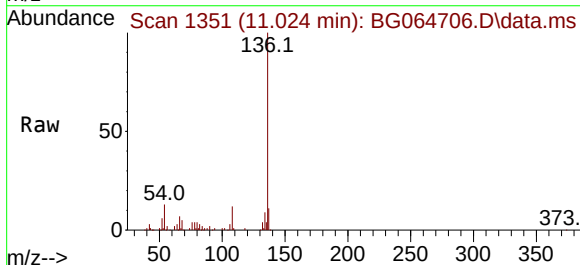
Instrument :
BNA_G
ClientSampleId :
MW-EB-3

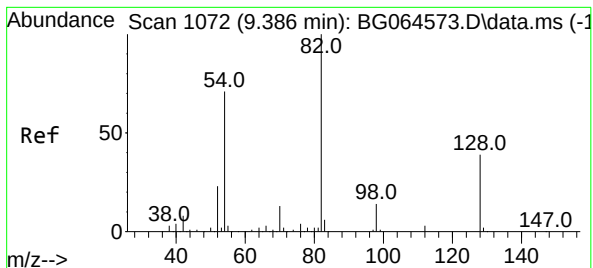
Tgt Ion: 70 Resp: 29133
Ion Ratio Lower Upper
70 100
42 54.5 65.2 97.8#
101 0.0 7.9 11.9#
130 1.1 14.3 21.5#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.024 min Scan# 1351
Delta R.T. -0.025 min
Lab File: BG064706.D
Acq: 6 Nov 2025 17:09

Tgt Ion:136 Resp: 133129
Ion Ratio Lower Upper
136 100
137 11.0 9.2 13.8
54 13.3 12.6 19.0
68 5.2 5.7 8.5#





#23

Nitrobenzene-d5

Concen: 96.215 ng

RT: 9.361 min Scan# 1068

Delta R.T. -0.025 min

Lab File: BG064706.D

Acq: 6 Nov 2025 17:09

Instrument :

BNA_G

ClientSampleId :

MW-EB-3

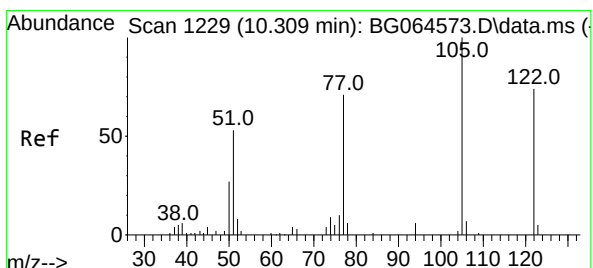
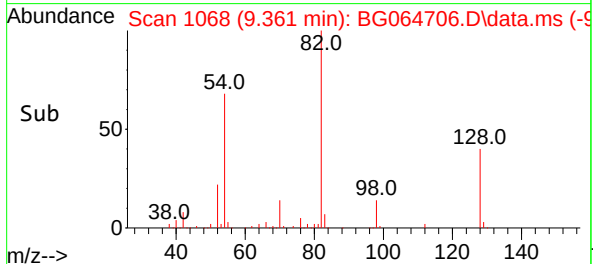
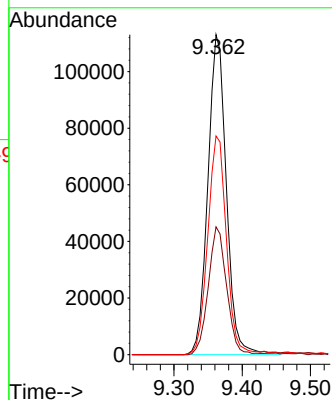
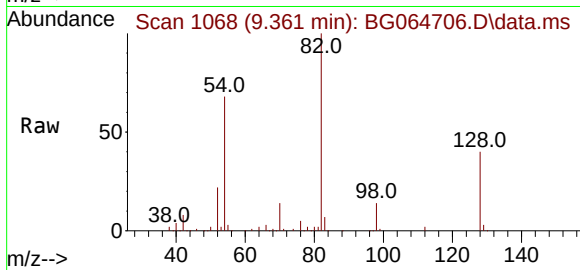
Tgt Ion: 82 Resp: 213261

Ion Ratio Lower Upper

82 100

128 40.0 31.3 46.9

54 68.4 56.6 84.8



#32

Benzoic acid

Concen: 4.841 ng

RT: 10.302 min Scan# 1228

Delta R.T. -0.007 min

Lab File: BG064706.D

Acq: 6 Nov 2025 17:09

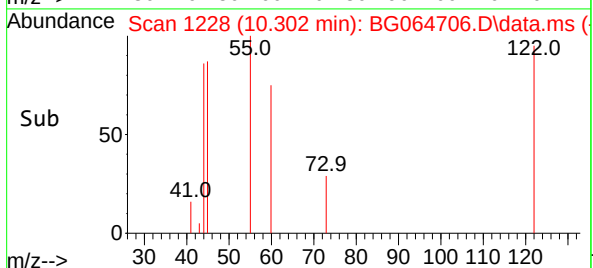
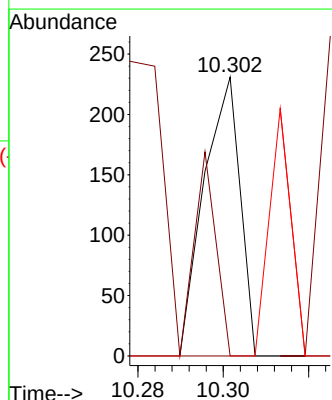
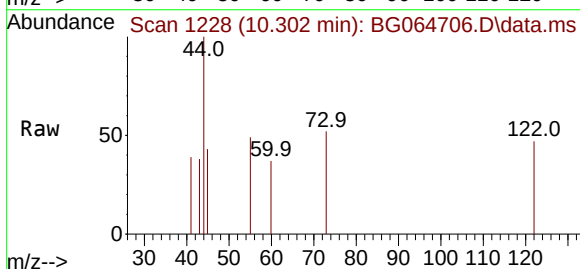
Tgt Ion:122 Resp: 135

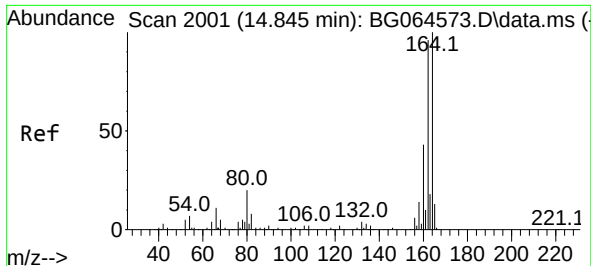
Ion Ratio Lower Upper

122 100

105 0.0 104.2 144.2#

77 0.0 70.2 110.2#

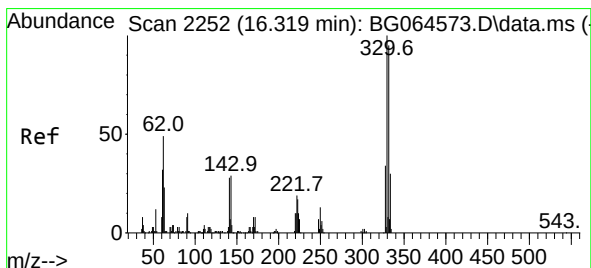
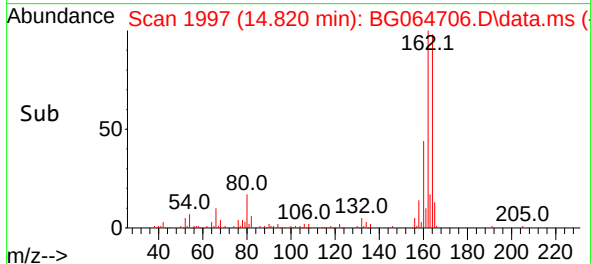
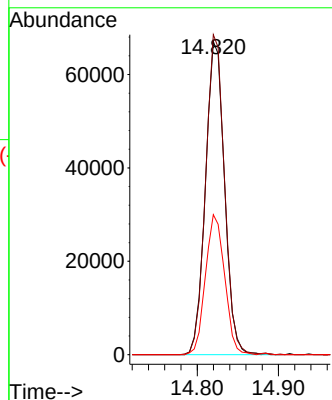
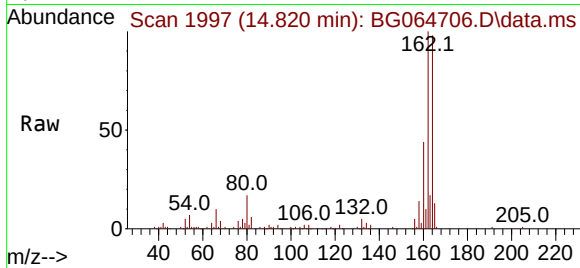




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.820 min Scan# 1997
Delta R.T. -0.025 min
Lab File: BG064706.D
Acq: 6 Nov 2025 17:09

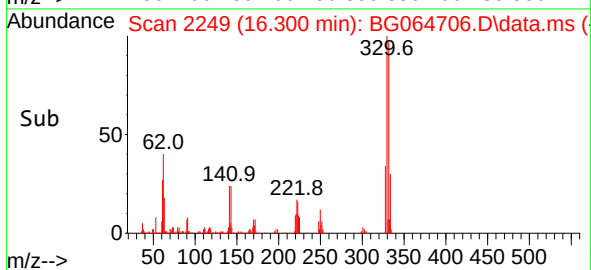
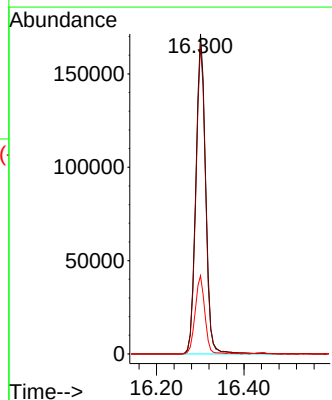
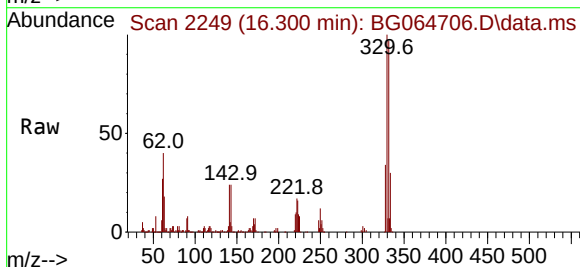
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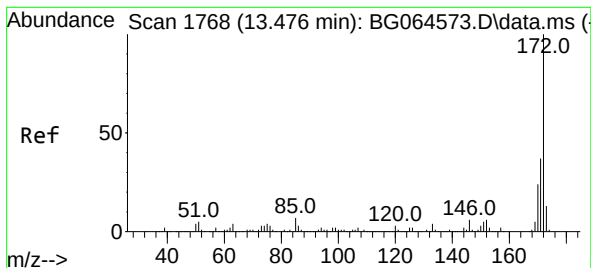
Tgt Ion:164 Resp: 109224
Ion Ratio Lower Upper
164 100
162 102.2 77.0 115.6
160 44.7 34.4 51.6



#42
2,4,6-Tribromophenol
Concen: 169.403 ng
RT: 16.300 min Scan# 2249
Delta R.T. -0.019 min
Lab File: BG064706.D
Acq: 6 Nov 2025 17:09

Tgt Ion:330 Resp: 267052
Ion Ratio Lower Upper
330 100
332 95.7 78.0 117.0
141 24.0 21.8 32.6

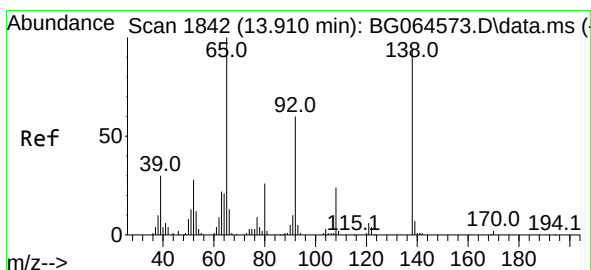
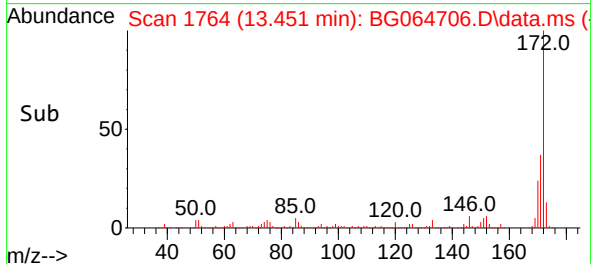
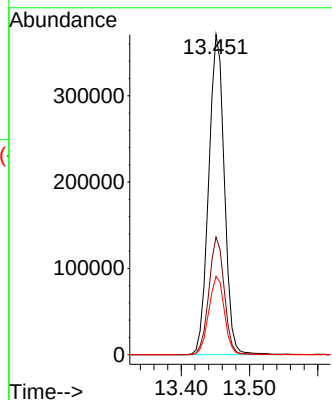
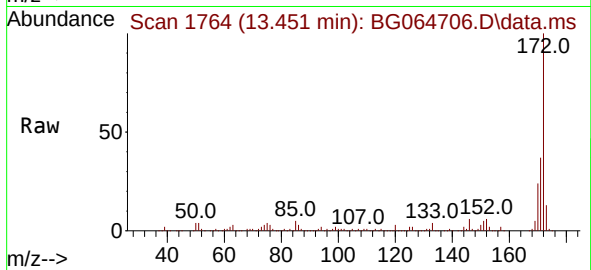




#45
2-Fluorobiphenyl
Concen: 82.114 ng
RT: 13.451 min Scan# 1764
Delta R.T. -0.025 min
Lab File: BG064706.D
Acq: 6 Nov 2025 17:09

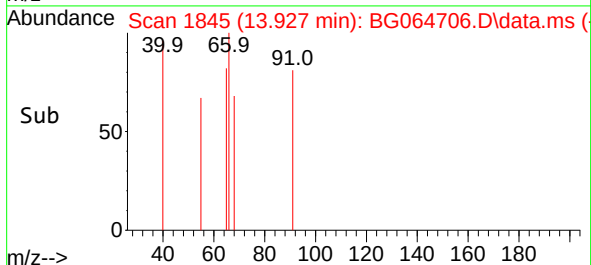
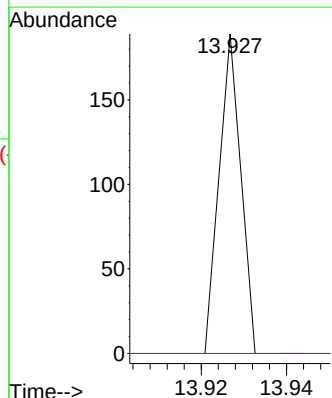
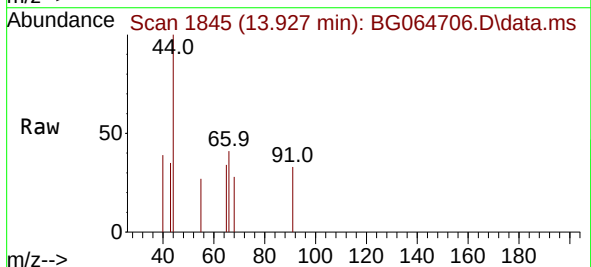
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ClientSampleId :
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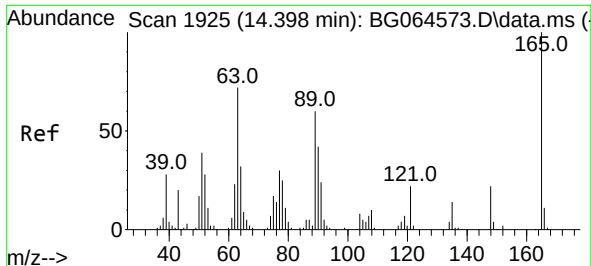
Tgt Ion:172 Resp: 591707
Ion Ratio Lower Upper
172 100
171 36.8 29.4 44.0
170 24.5 19.1 28.7



#48
2-Nitroaniline
Concen: 3.257 ng
RT: 13.927 min Scan# 1845
Delta R.T. 0.017 min
Lab File: BG064706.D
Acq: 6 Nov 2025 17:09

Tgt Ion: 65 Resp: 67
Ion Ratio Lower Upper
65 100
92 0.0 48.3 72.5#
138 0.0 74.9 112.3#

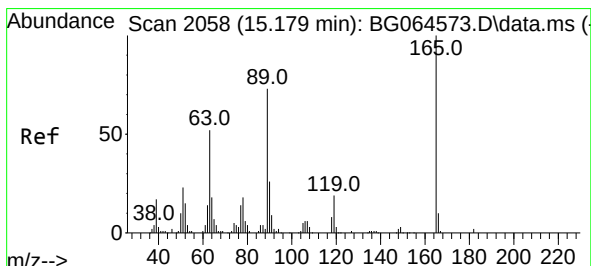
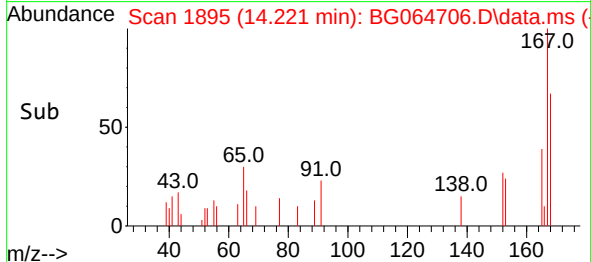
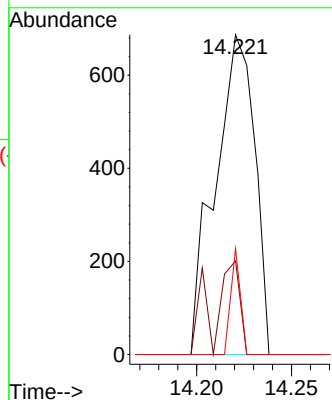
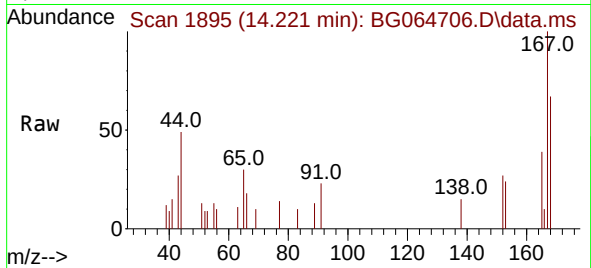




#51
2,6-Dinitrotoluene
Concen: 3.867 ng
RT: 14.221 min Scan# 1895
Delta R.T. -0.177 min
Lab File: BG064706.D
Acq: 6 Nov 2025 17:09

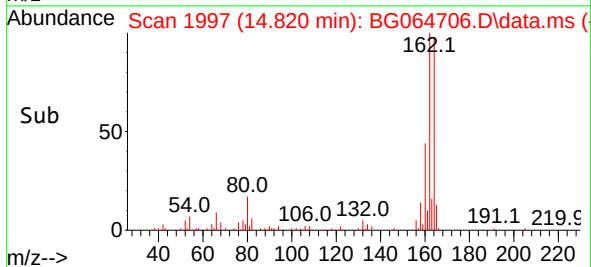
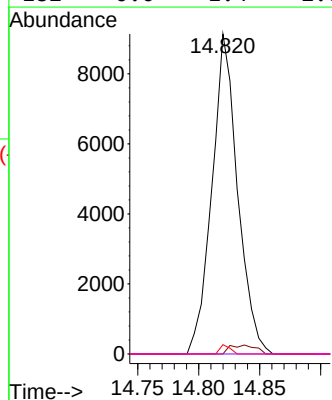
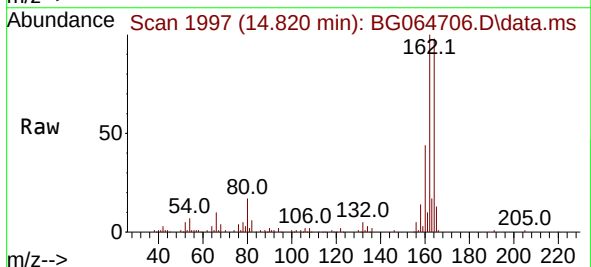
Instrument :
BNA_G
ClientSampleId :
MW-EB-3

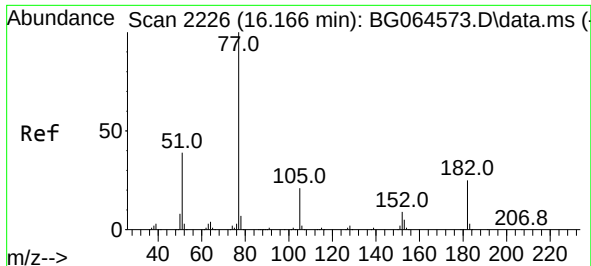
Tgt Ion:165 Resp: 996
Ion Ratio Lower Upper
165 100
63 29.3 57.4 86.0#
89 33.0 47.8 71.8#



#57
2,4-Dinitrotoluene
Concen: 8.929 ng
RT: 14.820 min Scan# 1997
Delta R.T. -0.359 min
Lab File: BG064706.D
Acq: 6 Nov 2025 17:09

Tgt Ion:165 Resp: 13385
Ion Ratio Lower Upper
165 100
63 0.0 41.8 62.8#
89 2.9 58.1 87.1#
182 0.0 1.4 2.0#

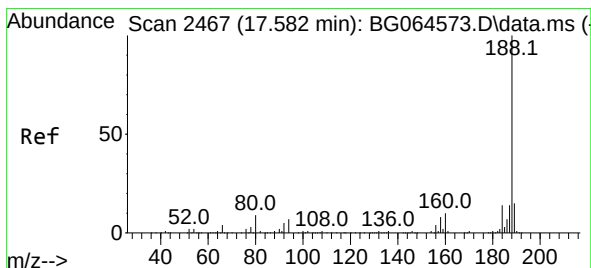
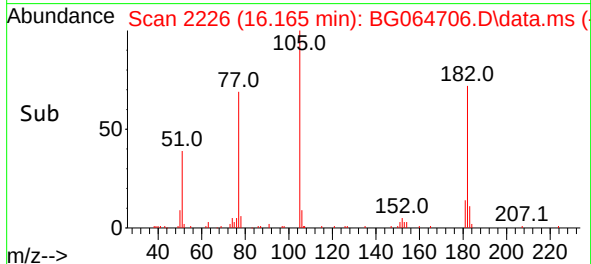
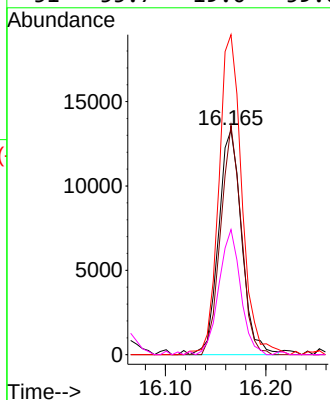
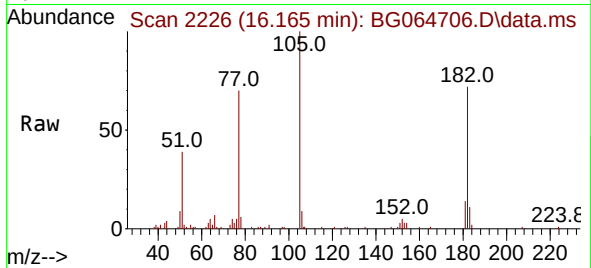




#63
Azobenzene
Concen: 2.711 ng
RT: 16.165 min Scan# 21
Delta R.T. -0.001 min
Lab File: BG064706.D
Acq: 6 Nov 2025 17:09

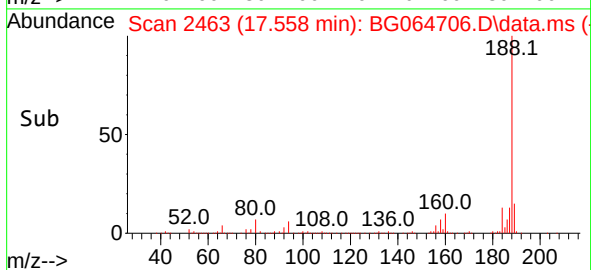
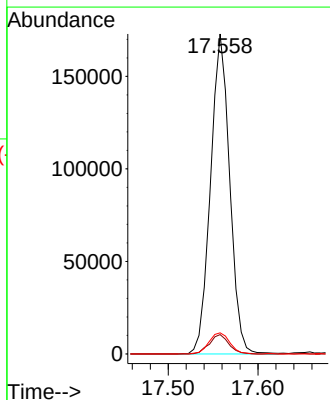
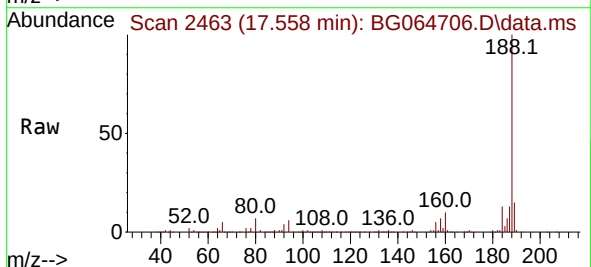
Instrument :
BNA_G
ClientSampleId :
MW-EB-3

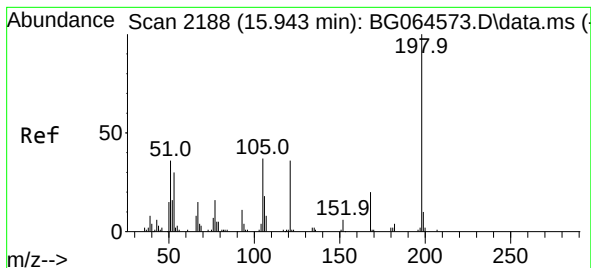
Tgt Ion: 77	Resp: 21229
Ion Ratio	Lower Upper
77 100	
182 102.1	4.9 44.9#
105 142.5	1.3 41.3#
51 55.7	19.0 59.0



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.558 min Scan# 2463
Delta R.T. -0.025 min
Lab File: BG064706.D
Acq: 6 Nov 2025 17:09

Tgt Ion: 188	Resp: 255947
Ion Ratio	Lower Upper
188 100	
94 6.1	5.7 8.5
80 6.6	6.8 10.2#

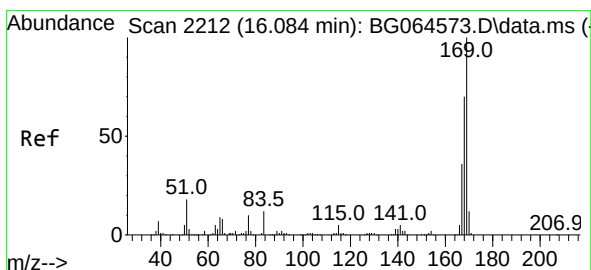
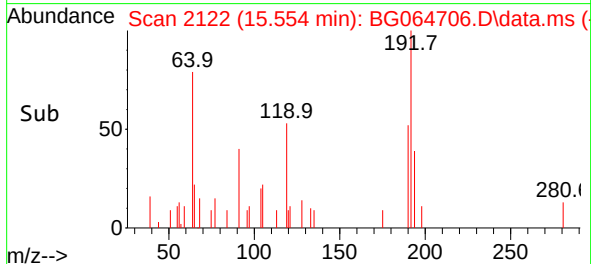
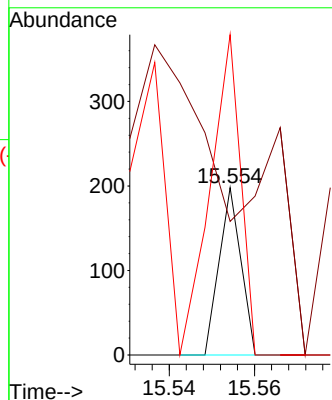
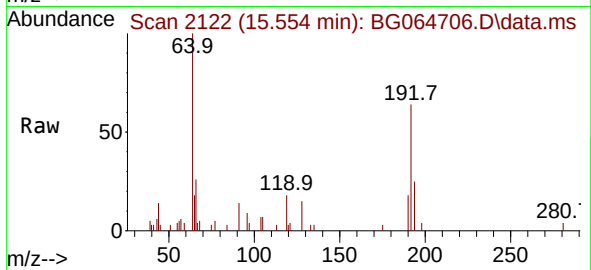




#65
4,6-Dinitro-2-methylphenol
Concen: 5.482 ng
RT: 15.554 min Scan# 2188
Delta R.T. -0.389 min
Lab File: BG064706.D
Acq: 6 Nov 2025 17:09

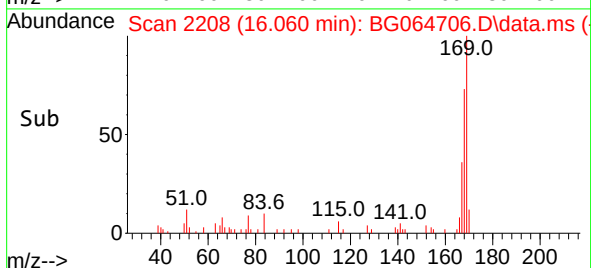
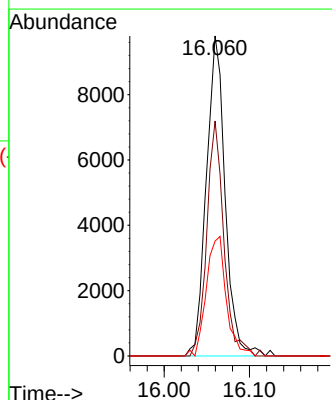
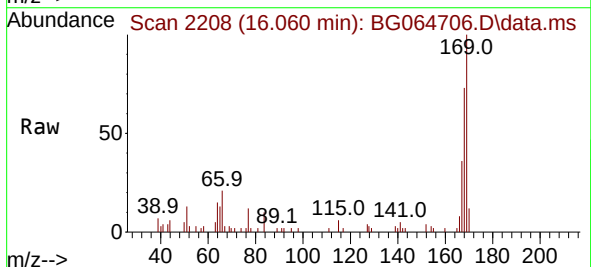
Instrument :
BNA_G
ClientSampleId :
MW-EB-3

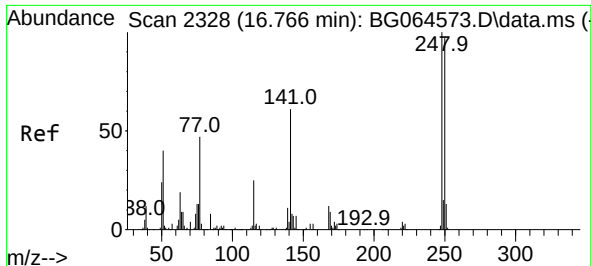
Tgt Ion:198 Resp: 70
Ion Ratio Lower Upper
198 100
51 79.8 24.7 64.7#
105 191.4 18.0 58.0#



#66
n-Nitrosodiphenylamine
Concen: 2.176 ng
RT: 16.060 min Scan# 2208
Delta R.T. -0.025 min
Lab File: BG064706.D
Acq: 6 Nov 2025 17:09

Tgt Ion:169 Resp: 15042
Ion Ratio Lower Upper
169 100
168 73.4 56.3 84.5
167 35.9 29.0 43.6

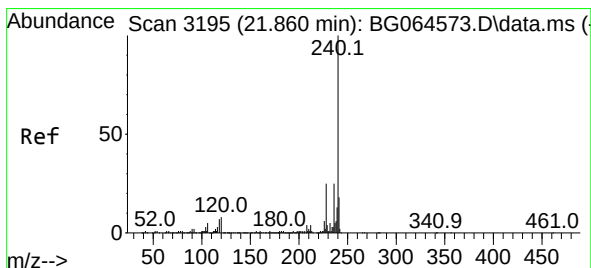
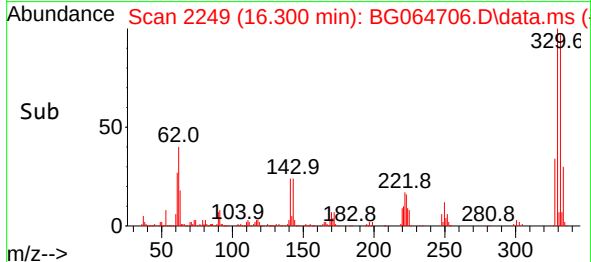
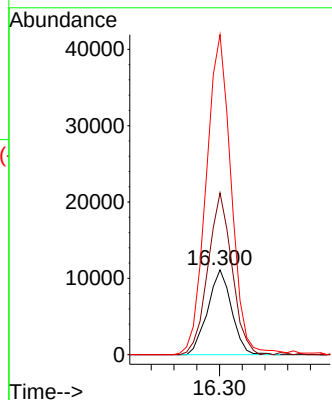
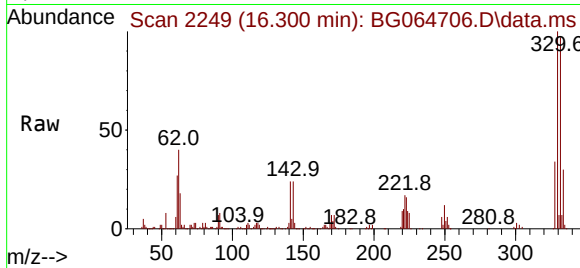




#67
4-Bromophenyl-phenylether
Concen: 5.348 ng
RT: 16.300 min Scan# 21
Delta R.T. -0.465 min
Lab File: BG064706.D
Acq: 6 Nov 2025 17:09

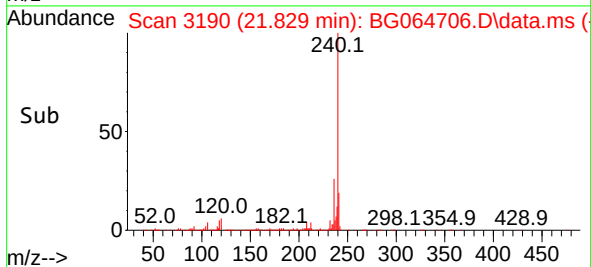
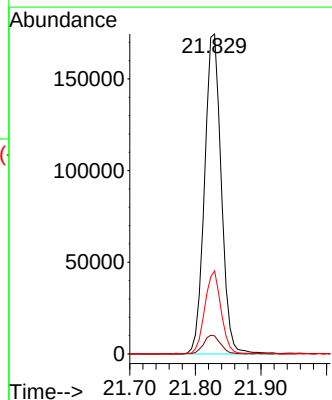
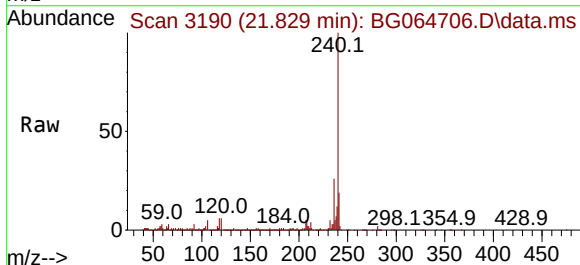
Instrument :
BNA_G
ClientSampleId :
MW-EB-3

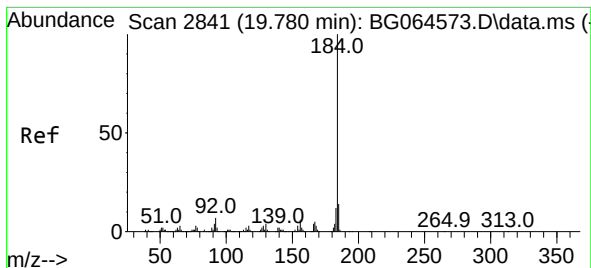
Tgt Ion:248 Resp: 16222
Ion Ratio Lower Upper
248 100
250 193.1 77.7 116.5#
141 288.8 48.6 72.8#



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.829 min Scan# 3190
Delta R.T. -0.031 min
Lab File: BG064706.D
Acq: 6 Nov 2025 17:09

Tgt Ion:240 Resp: 309555
Ion Ratio Lower Upper
240 100
120 5.7 6.5 9.7#
236 25.9 20.2 30.2





#77

Benzidine

Concen: 3.027 ng

RT: 20.149 min Scan# 2904

Delta R.T. 0.369 min

Lab File: BG064706.D

Acq: 6 Nov 2025 17:09

Instrument :

BNA_G

ClientSampleId :

MW-EB-3

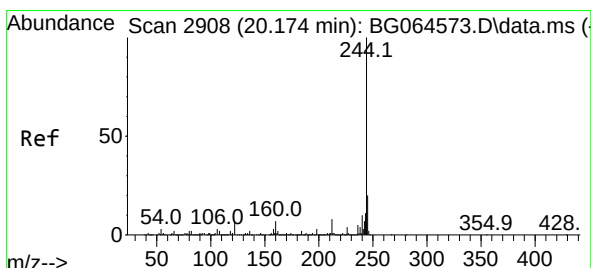
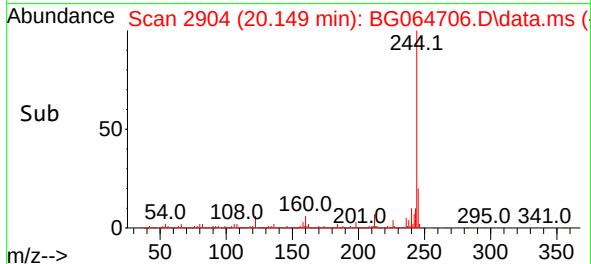
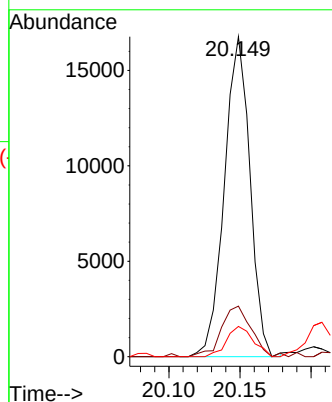
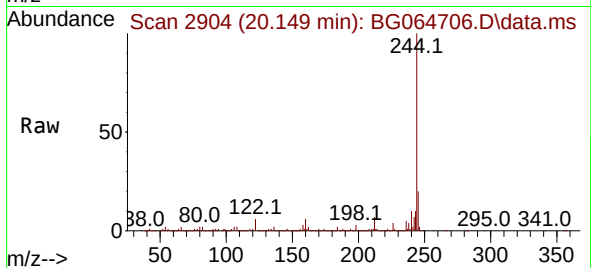
Tgt Ion:184 Resp: 20993

Ion Ratio Lower Upper

184 100

185 15.8 11.4 17.2

183 9.5 9.4 14.2



#79

Terphenyl-d14

Concen: 85.073 ng

RT: 20.149 min Scan# 2904

Delta R.T. -0.025 min

Lab File: BG064706.D

Acq: 6 Nov 2025 17:09

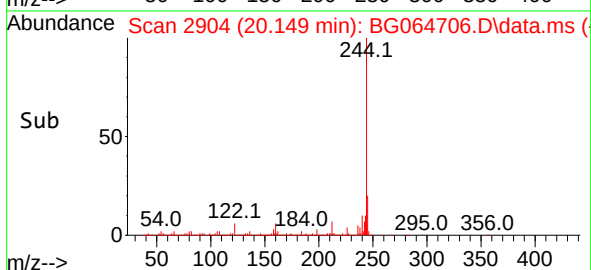
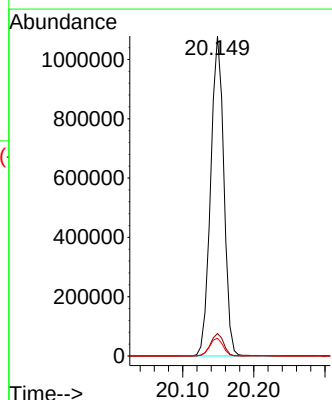
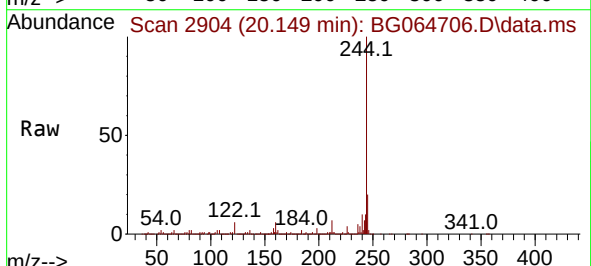
Tgt Ion:244 Resp: 1395468

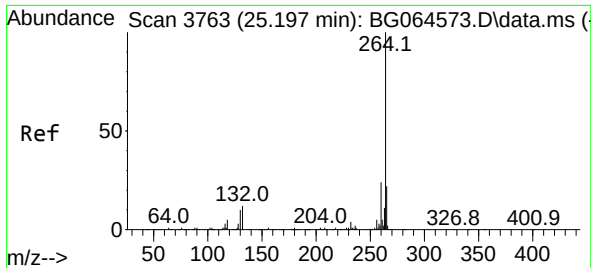
Ion Ratio Lower Upper

244 100

212 7.0 6.1 9.1

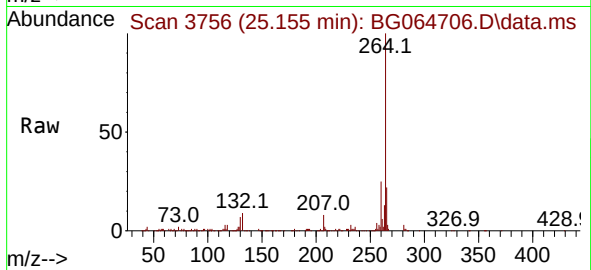
122 5.6 5.6 8.4#





#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 25.155 min Scan# 31
 Delta R.T. -0.042 min
 Lab File: BG064706.D
 Acq: 6 Nov 2025 17:09

Instrument :
 BNA_G
 ClientSampleId :
 MW-EB-3



Tgt Ion:264 Resp: 340594

Ion	Ratio	Lower	Upper
264	100		
260	24.7	19.0	28.4
265	22.3	17.6	26.4

