

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG121422\
 Data File : BG055968.D
 Acq On : 14 Dec 2022 20:50
 Operator : CG/JU
 Sample : N6024-04
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 MH-21

Quant Time: Dec 15 00:52:31 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG121322.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Dec 14 02:24:06 2022
 Response via : Initial Calibration

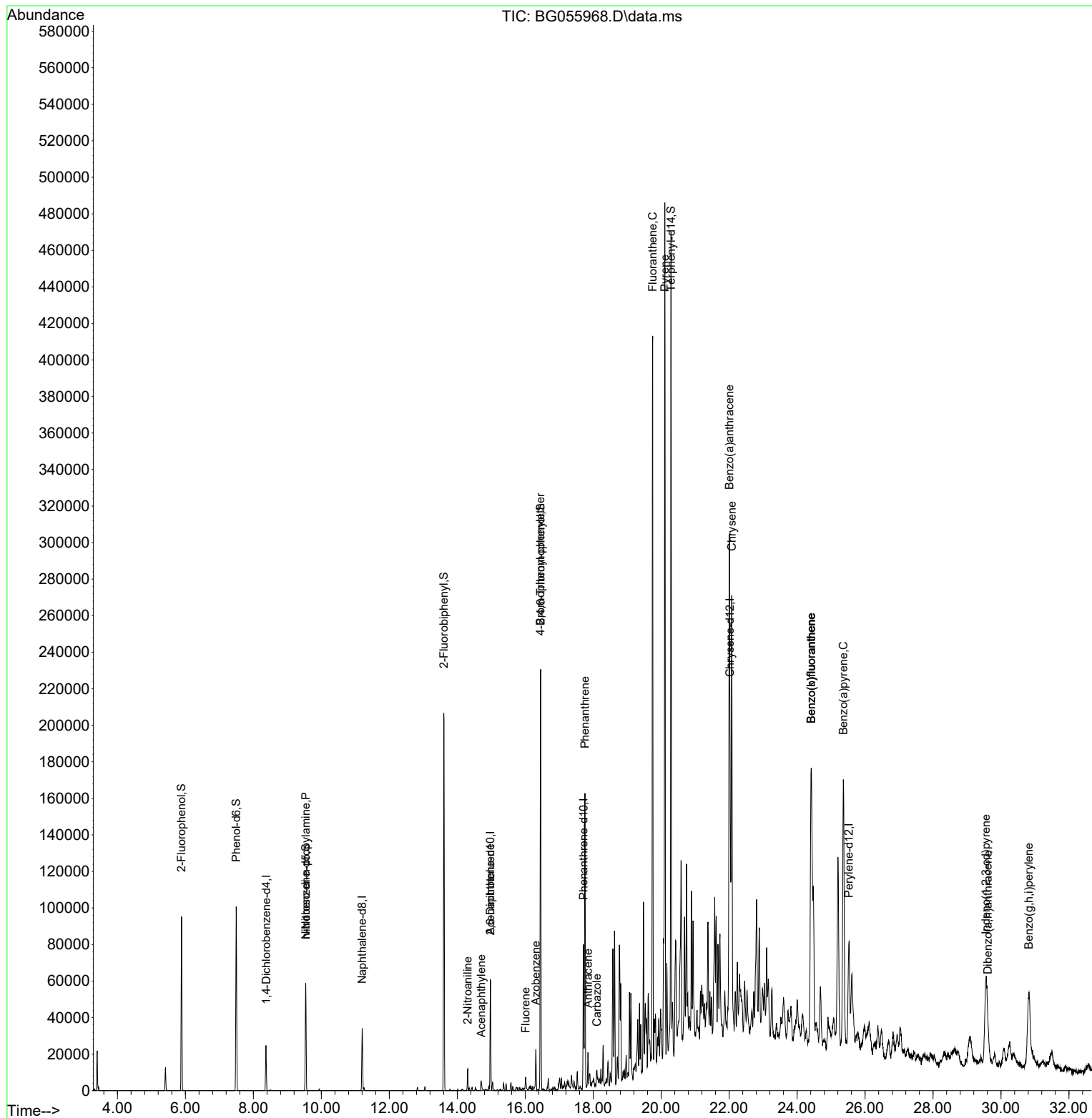
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.375	152	8102	20.000	ng	0.00
21) Naphthalene-d8	11.201	136	30415	20.000	ng	# 0.00
39) Acenaphthene-d10	14.973	164	24184	20.000	ng	0.00
64) Phenanthrene-d10	17.711	188	59826	20.000	ng	# 0.00
76) Chrysene-d12	22.024	240	62076	20.000	ng	# 0.00
86) Perylene-d12	25.526	264	79352	20.000	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.884	112	38739	112.133	ng	0.00
7) Phenol-d6	7.494	99	47679	107.306	ng	0.00
23) Nitrobenzene-d5	9.544	82	30952	71.116	ng	0.00
42) 2,4,6-Tribromophenol	16.454	330	62626	107.393	ng	0.00
45) 2-Fluorobiphenyl	13.604	172	114306	66.289	ng	0.00
79) Terphenyl-d14	20.291	244	223402	63.606	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propyla...	9.544	70	4845	15.212	ng	# 61
48) 2-Nitroaniline	14.309	65	239	3.671	ng	# 1
49) Acenaphthylene	14.709	152	7490	3.523	ng	98
51) 2,6-Dinitrotoluene	14.973	165	3133	9.683	ng	# 25
58) Fluorene	16.013	166	4859	2.477	ng	# 94
63) Azobenzene	16.313	77	5062	4.070	ng	# 6
67) 4-Bromophenyl-phenylether	16.448	248	3342	3.812	ng	# 1
71) Phenanthrene	17.758	178	112947	36.026	ng	99
72) Anthracene	17.846	178	15877	5.119	ng	96
73) Carbazole	18.105	167	6959	2.720	ng	96
75) Fluoranthene	19.750	202	275446	62.741	ng	98
78) Pyrene	20.108	202	313273	83.400	ng	99
81) Benzo(a)anthracene	22.006	228	189425	43.365	ng	98
83) Chrysene	22.077	228	199059	48.623	ng	96
87) Indeno(1,2,3-cd)pyrene	29.556	276	120069	18.817	ng	# 97
88) Benzo(b)fluoranthene	24.415	252	261149	50.851	ng	99
89) Benzo(k)fluoranthene	24.415	252	261149	50.968	ng	99
90) Benzo(a)pyrene	25.361	252	206309	47.526	ng	98
91) Dibenzo(a,h)anthracene	29.615	278	32482	6.082	ng	# 84
92) Benzo(g,h,i)perylene	30.819	276	119814	23.203	ng	94

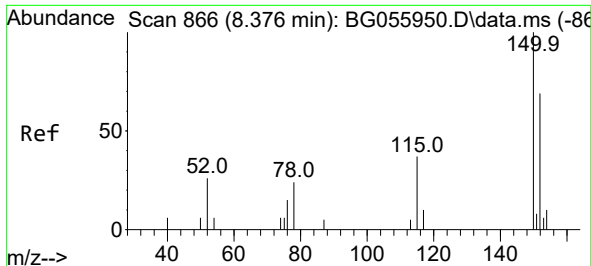
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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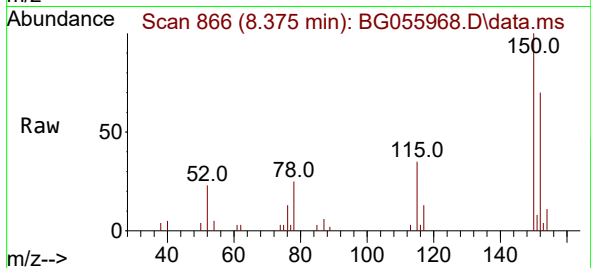
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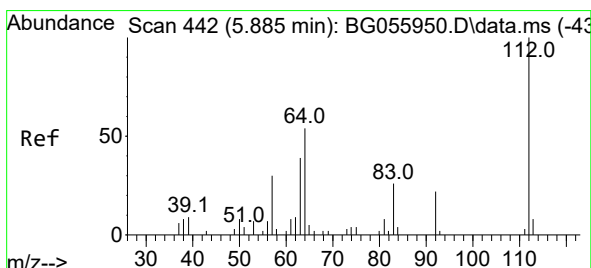
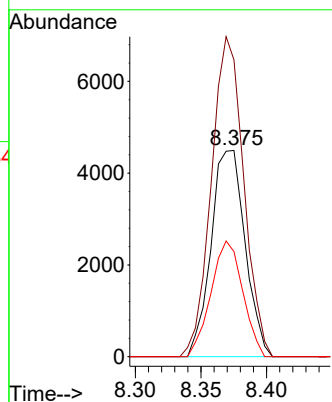
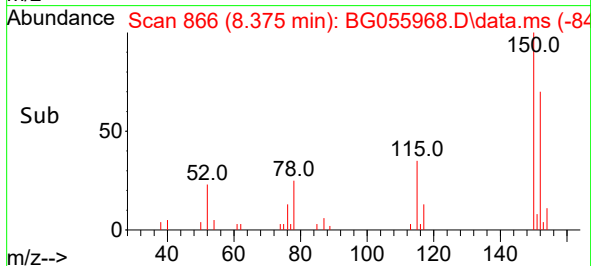


#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.375 min Scan# 866
Delta R.T. -0.001 min
Lab File: BG055968.D
Acq: 14 Dec 2022 20:50

Instrument :
BNA_G
ClientSampleId :
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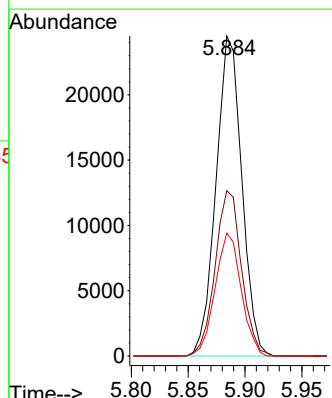
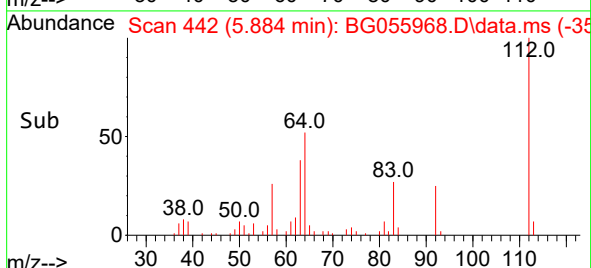
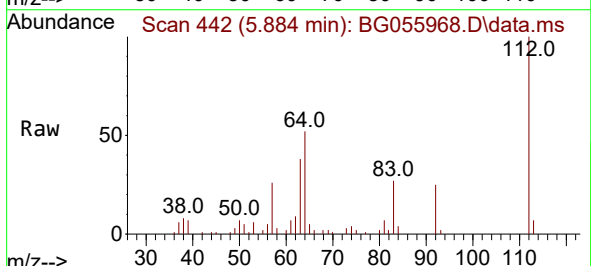


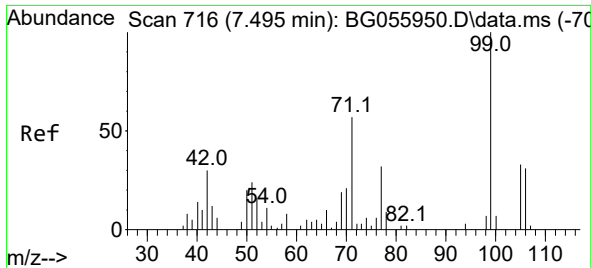
Tgt Ion:152 Resp: 8102
Ion Ratio Lower Upper
152 100
150 143.8 115.7 173.5
115 51.0 43.0 64.4



#5
2-Fluorophenol
Concen: 112.133 ng
RT: 5.884 min Scan# 442
Delta R.T. -0.001 min
Lab File: BG055968.D
Acq: 14 Dec 2022 20:50

Tgt Ion:112 Resp: 38739
Ion Ratio Lower Upper
112 100
64 51.7 43.0 64.4
63 38.4 31.4 47.2

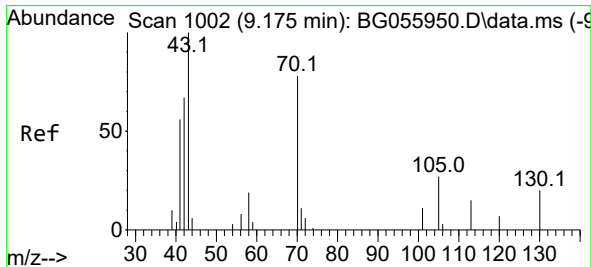
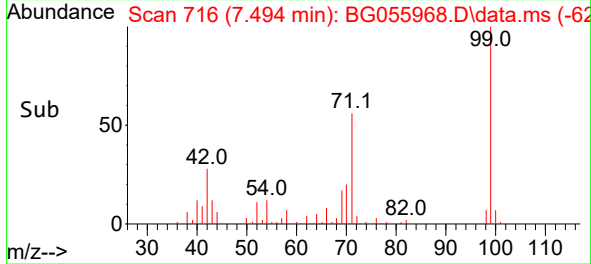
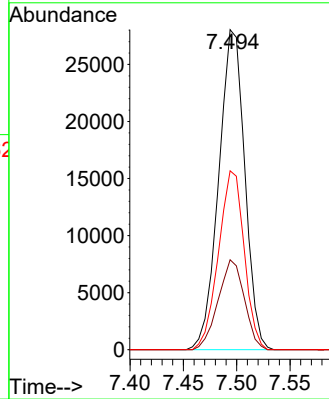
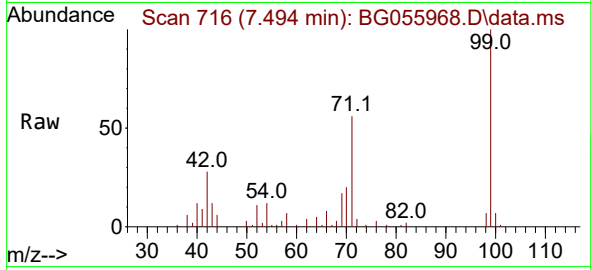




#7
Phenol-d6
Concen: 107.306 ng
RT: 7.494 min Scan# 716
Delta R.T. -0.001 min
Lab File: BG055968.D
Acq: 14 Dec 2022 20:50

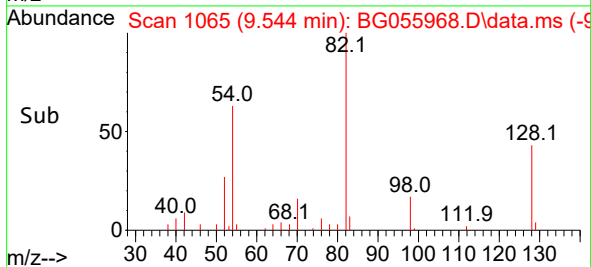
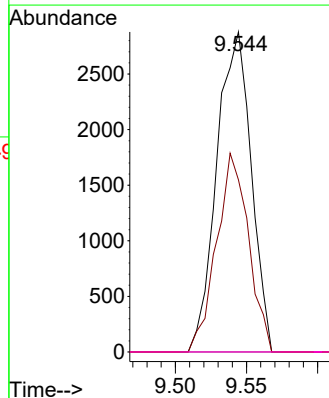
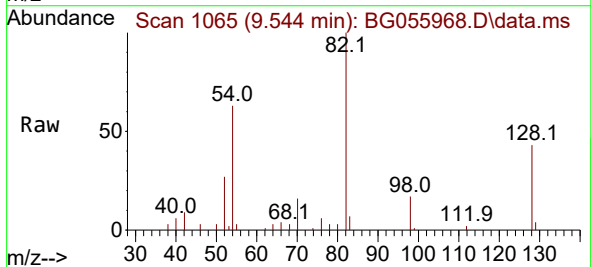
Instrument :
BNA_G
ClientSampleId :
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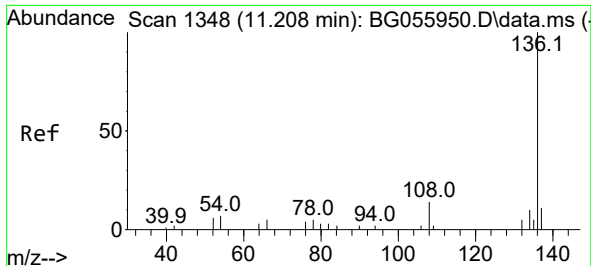
Tgt Ion: 99 Resp: 47679
Ion Ratio Lower Upper
99 100
42 28.1 24.3 36.5
71 55.9 45.6 68.4



#19
n-Nitroso-di-n-propylamine
Concen: 15.212 ng
RT: 9.544 min Scan# 1065
Delta R.T. 0.369 min
Lab File: BG055968.D
Acq: 14 Dec 2022 20:50

Tgt Ion: 70 Resp: 4845
Ion Ratio Lower Upper
70 100
42 53.8 69.0 103.4#
101 0.0 11.8 17.8#
130 0.0 21.0 31.4#

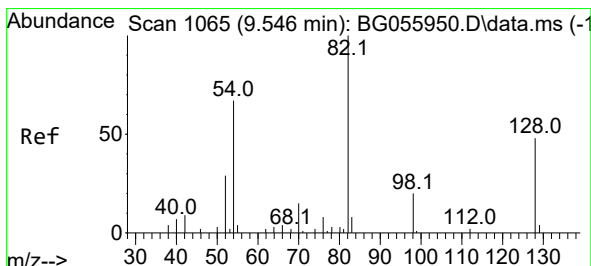
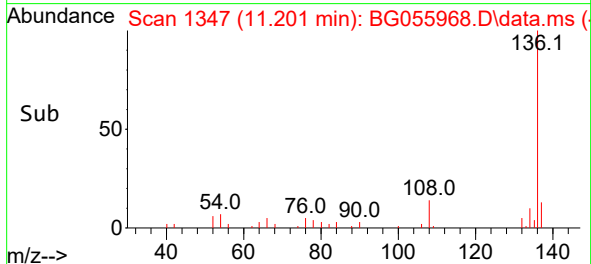
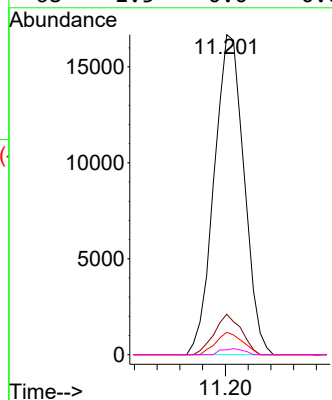
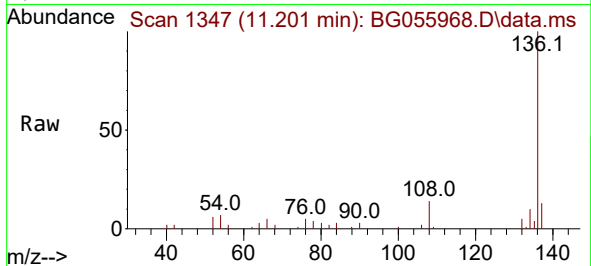




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.201 min Scan# 11
Delta R.T. -0.007 min
Lab File: BG055968.D
Acq: 14 Dec 2022 20:50

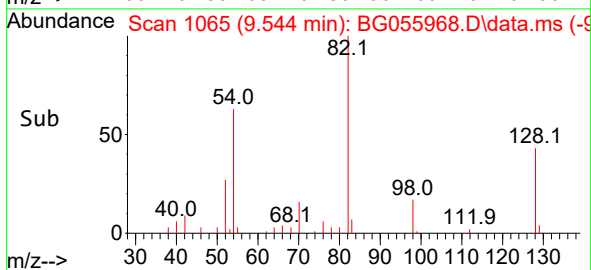
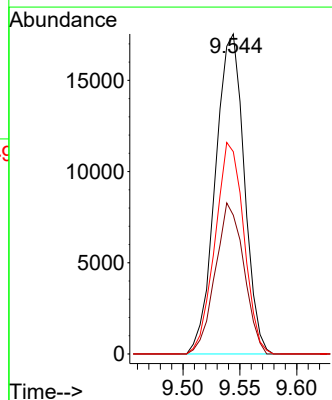
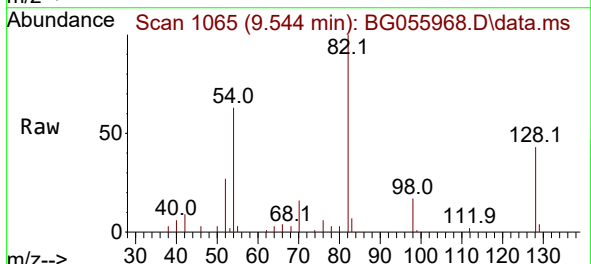
Instrument :
BNA_G
ClientSampleId :
MH-21

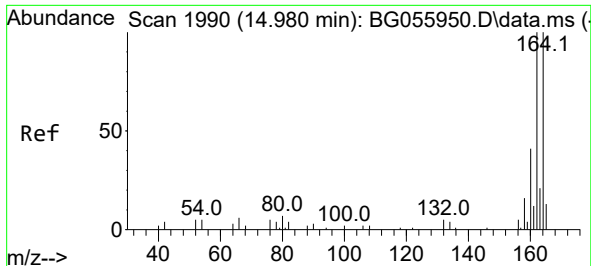
Tgt Ion:136	Resp:	30415
Ion Ratio	Lower	Upper
136	100	
137	12.6	9.2 13.8
54	7.0	5.6 8.4
68	1.5	0.0 0.0#



#23
Nitrobenzene-d5
Concen: 71.116 ng
RT: 9.544 min Scan# 1065
Delta R.T. -0.001 min
Lab File: BG055968.D
Acq: 14 Dec 2022 20:50

Tgt Ion: 82	Resp:	30952
Ion Ratio	Lower	Upper
82	100	
128	43.3	38.4 57.6
54	63.2	53.3 79.9

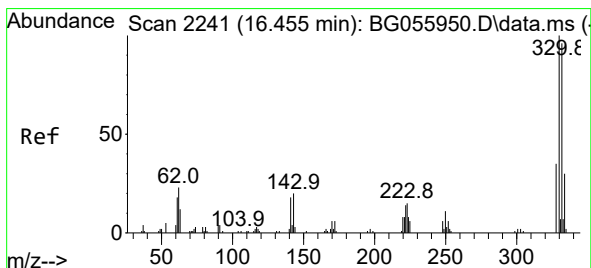
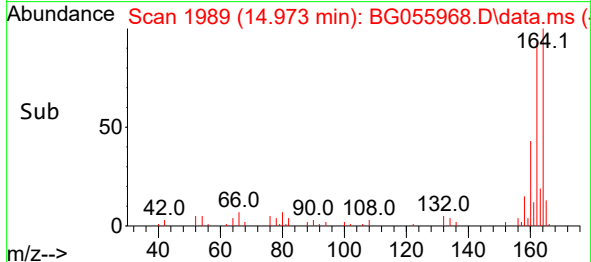
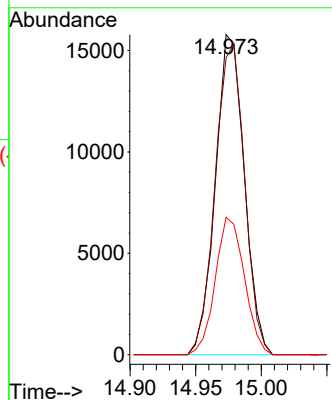
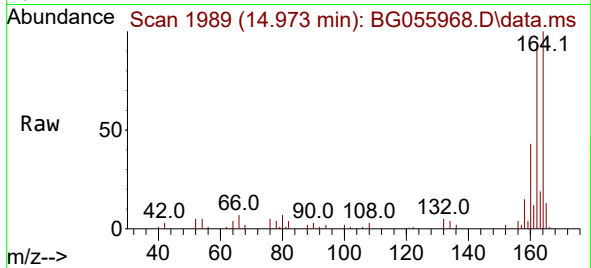




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.973 min Scan# 1990
Delta R.T. -0.007 min
Lab File: BG055968.D
Acq: 14 Dec 2022 20:50

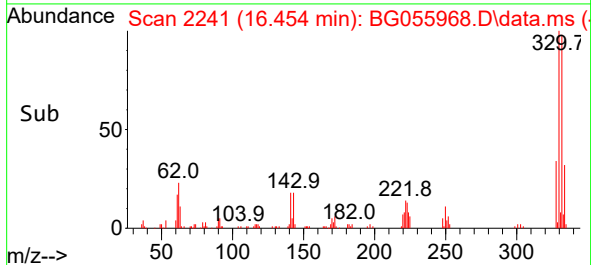
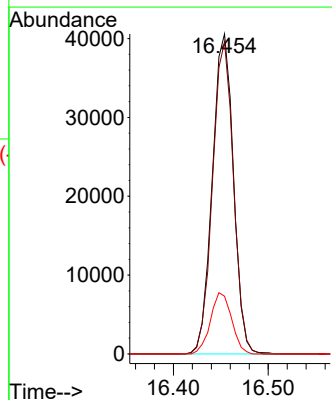
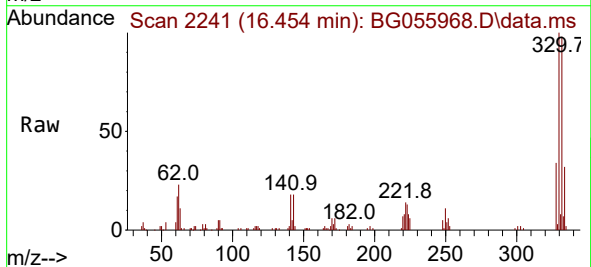
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ClientSampleId :
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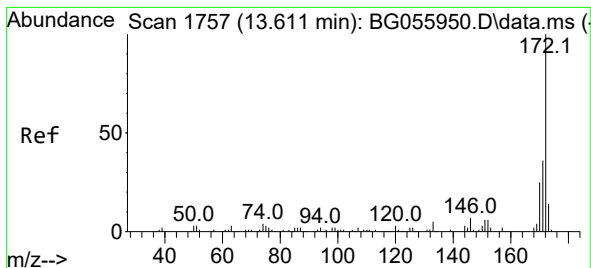
Tgt Ion:164 Resp: 24184
Ion Ratio Lower Upper
164 100
162 92.8 79.8 119.8
160 42.9 33.0 49.4



#42
2,4,6-Tribromophenol
Concen: 107.393 ng
RT: 16.454 min Scan# 2241
Delta R.T. -0.001 min
Lab File: BG055968.D
Acq: 14 Dec 2022 20:50

Tgt Ion:330 Resp: 62626
Ion Ratio Lower Upper
330 100
332 96.8 76.6 114.8
141 19.2 15.0 22.4

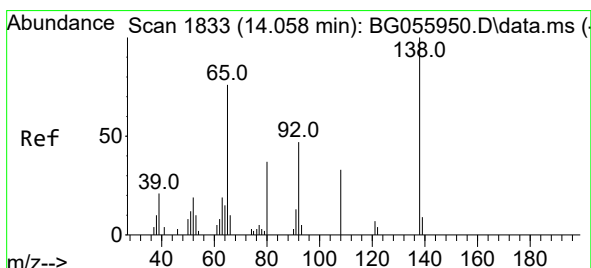
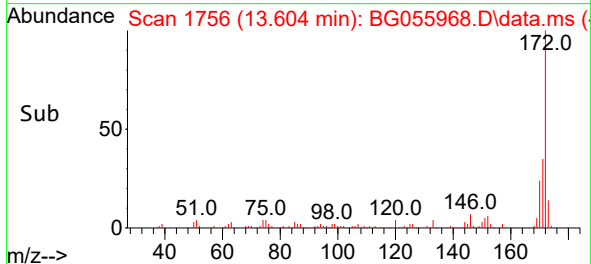
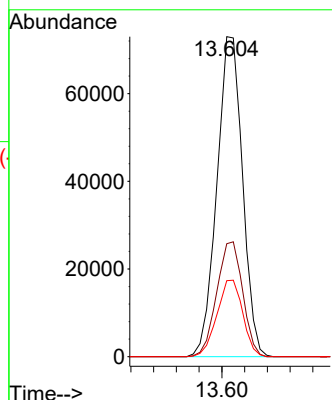
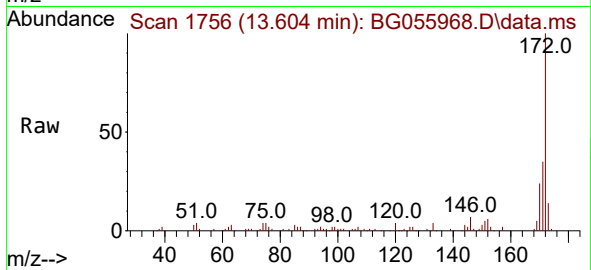




#45
2-Fluorobiphenyl
Concen: 66.289 ng
RT: 13.604 min Scan# 11
Delta R.T. -0.007 min
Lab File: BG055968.D
Acq: 14 Dec 2022 20:50

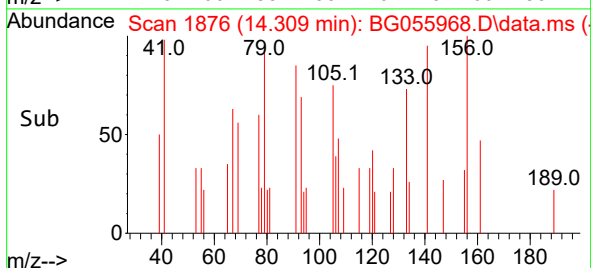
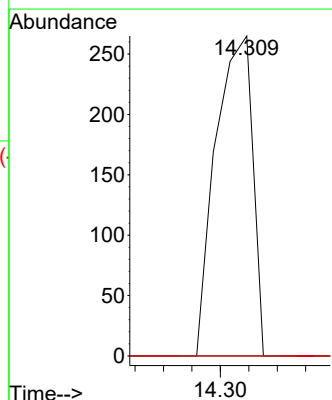
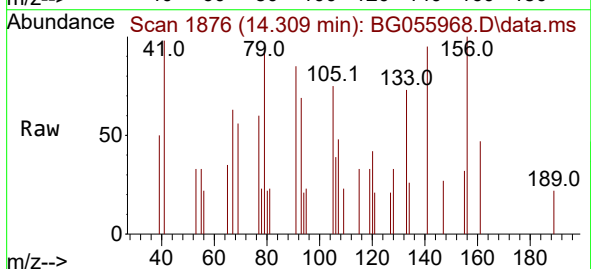
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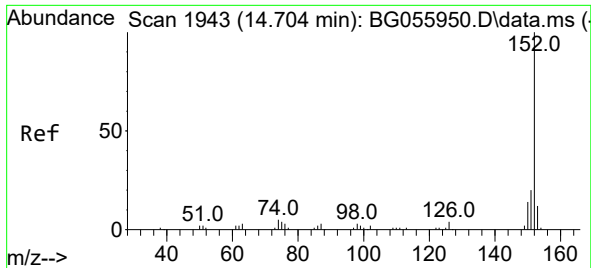
Tgt Ion:172 Resp: 114306
Ion Ratio Lower Upper
172 100
171 35.3 28.6 42.8
170 23.7 19.9 29.9



#48
2-Nitroaniline
Concen: 3.671 ng
RT: 14.309 min Scan# 1876
Delta R.T. 0.251 min
Lab File: BG055968.D
Acq: 14 Dec 2022 20:50

Tgt Ion: 65 Resp: 239
Ion Ratio Lower Upper
65 100
92 0.0 49.7 74.5#
138 0.0 105.0 157.6#

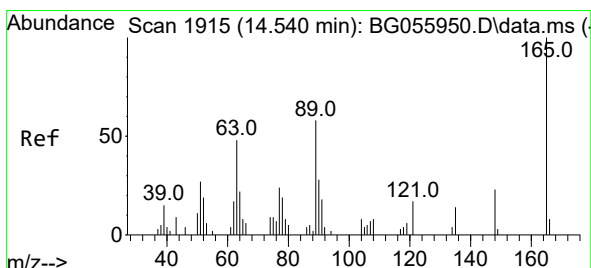
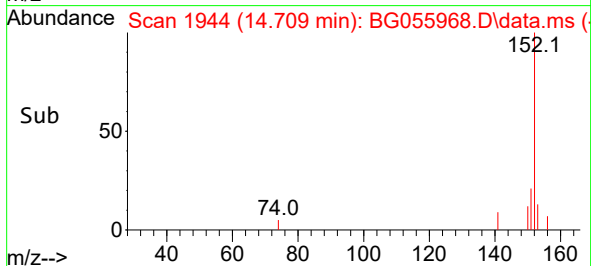
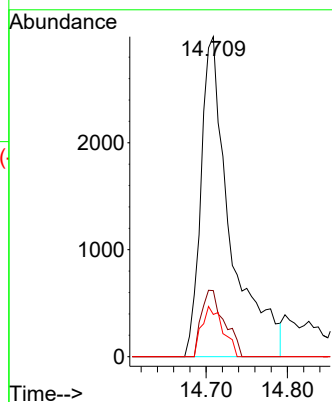
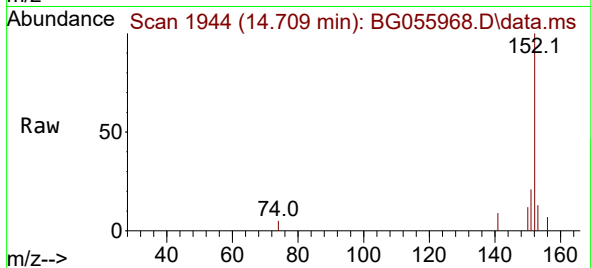




#49
Acenaphthylene
Concen: 3.523 ng
RT: 14.709 min Scan# 1944
Delta R.T. 0.005 min
Lab File: BG055968.D
Acq: 14 Dec 2022 20:50

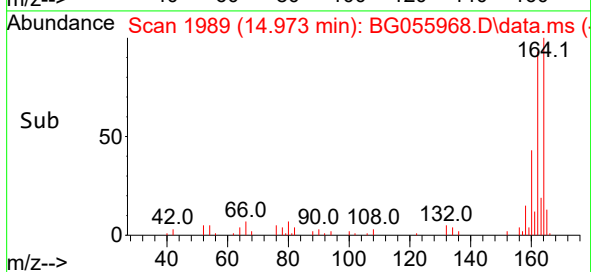
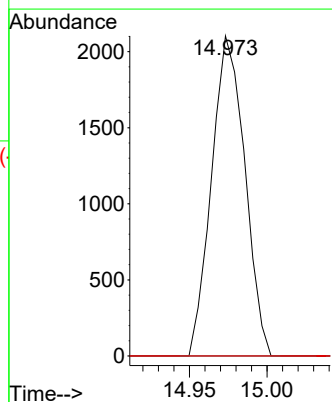
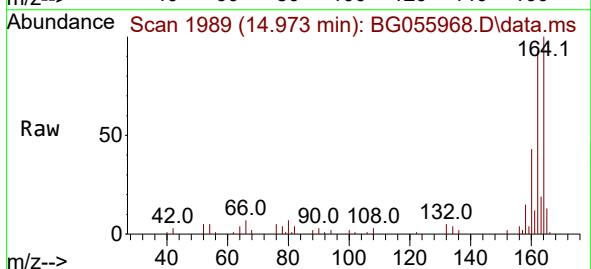
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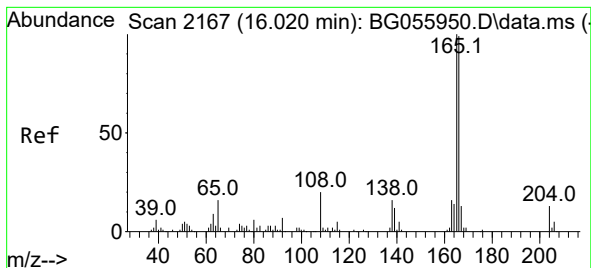
Tgt Ion:152 Resp: 7490
Ion Ratio Lower Upper
152 100
151 20.6 15.8 23.8
153 13.2 10.0 15.0



#51
2,6-Dinitrotoluene
Concen: 9.683 ng
RT: 14.973 min Scan# 1989
Delta R.T. 0.433 min
Lab File: BG055968.D
Acq: 14 Dec 2022 20:50

Tgt Ion:165 Resp: 3133
Ion Ratio Lower Upper
165 100
63 0.0 38.3 57.5#
89 0.0 46.3 69.5#





#58

Fluorene

Concen: 2.477 ng

RT: 16.013 min Scan# 2166

Delta R.T. -0.007 min

Lab File: BG055968.D

Acq: 14 Dec 2022 20:50

Instrument :

BNA_G

ClientSampleId :

MH-21

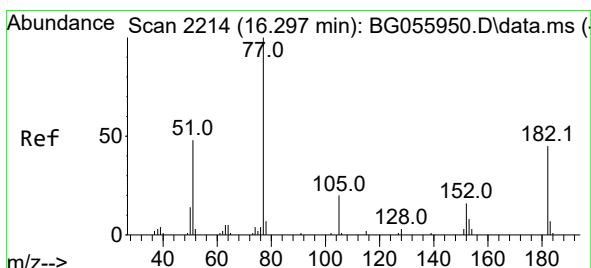
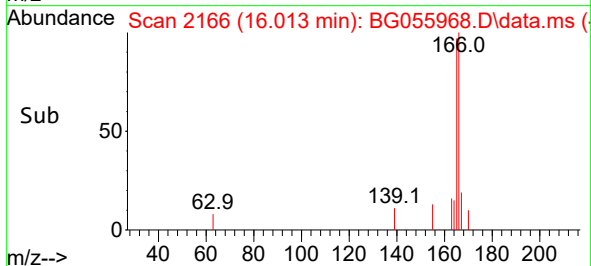
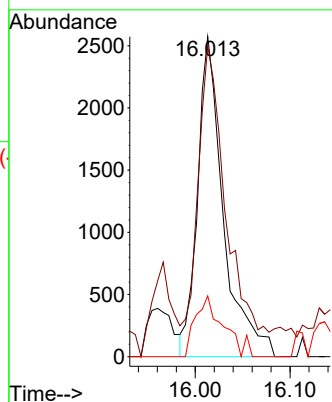
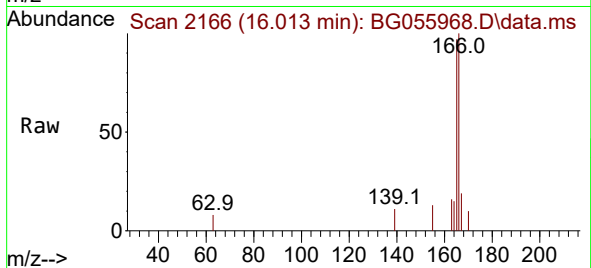
Tgt Ion:166 Resp: 4859

Ion Ratio Lower Upper

166 100

165 97.0 81.1 121.7

167 19.0 10.5 15.7#



#63

Azobenzene

Concen: 4.070 ng

RT: 16.313 min Scan# 2217

Delta R.T. 0.016 min

Lab File: BG055968.D

Acq: 14 Dec 2022 20:50

Tgt Ion: 77 Resp: 5062

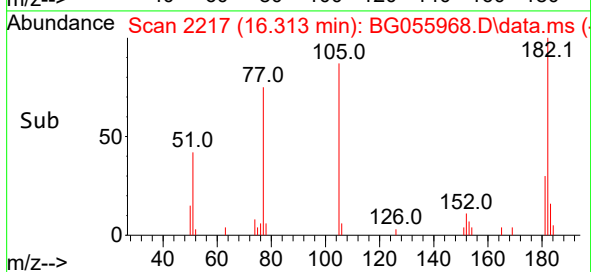
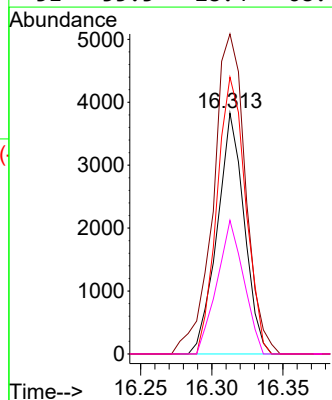
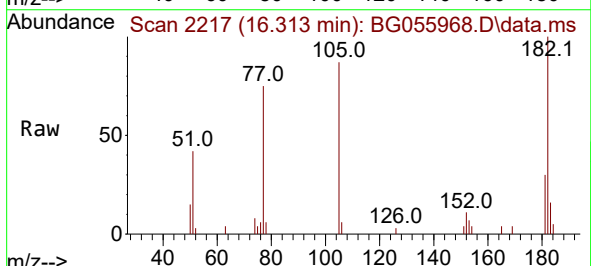
Ion Ratio Lower Upper

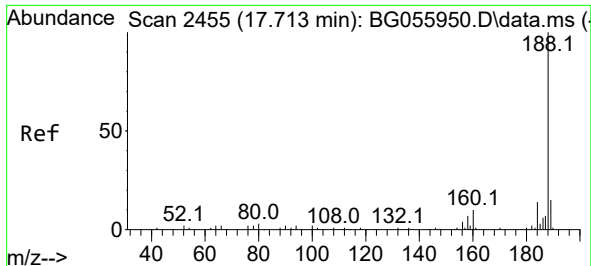
77 100

182 132.9 24.7 64.7#

105 115.0 0.3 40.3#

51 55.5 28.4 68.4

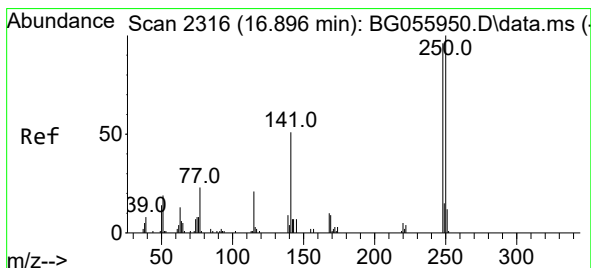
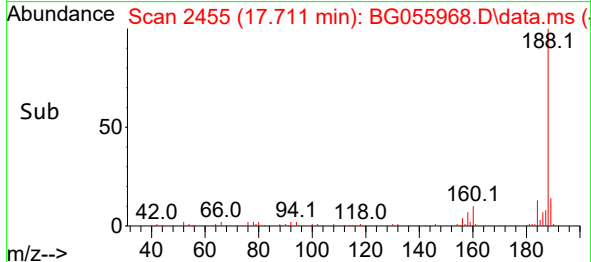
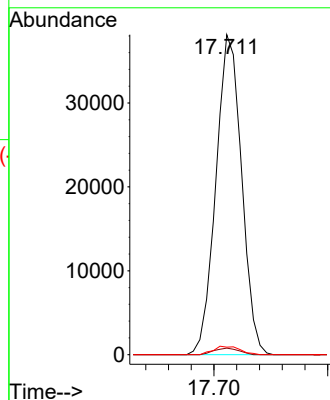
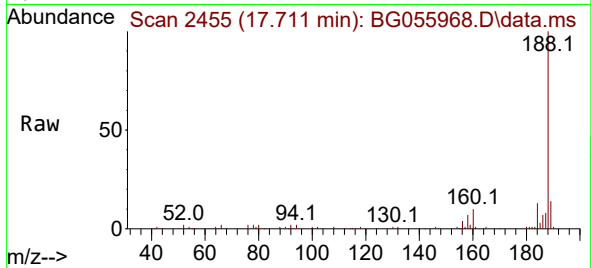




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.711 min Scan# 24
Delta R.T. -0.001 min
Lab File: BG055968.D
Acq: 14 Dec 2022 20:50

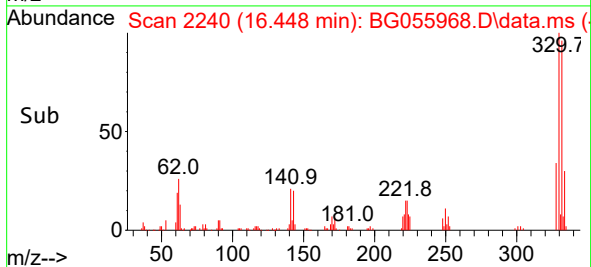
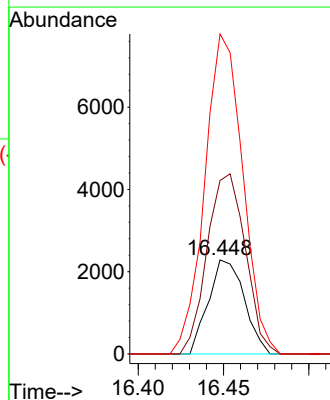
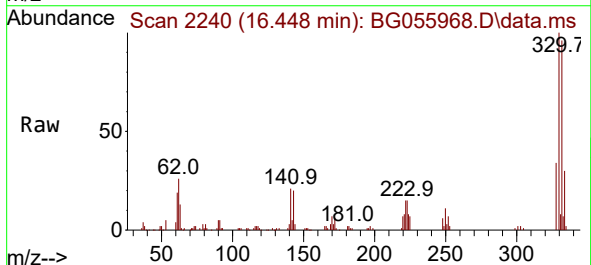
Instrument :
BNA_G
ClientSampleId :
MH-21

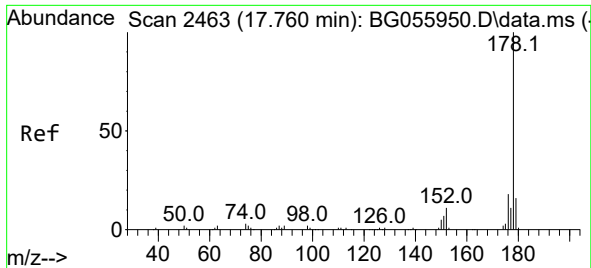
Tgt Ion:188 Resp: 59826
Ion Ratio Lower Upper
188 100
94 2.0 1.8 2.8
80 2.4 2.4 3.6#



#67
4-Bromophenyl-phenylether
Concen: 3.812 ng
RT: 16.448 min Scan# 2240
Delta R.T. -0.448 min
Lab File: BG055968.D
Acq: 14 Dec 2022 20:50

Tgt Ion:248 Resp: 3342
Ion Ratio Lower Upper
248 100
250 184.5 83.0 124.6#
141 340.2 42.6 64.0#

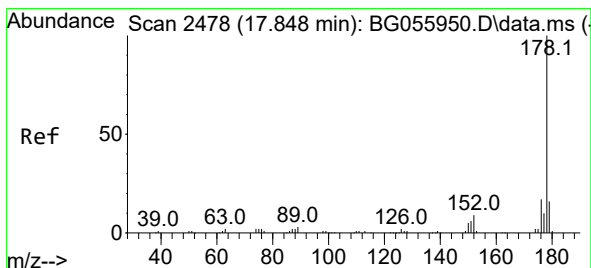
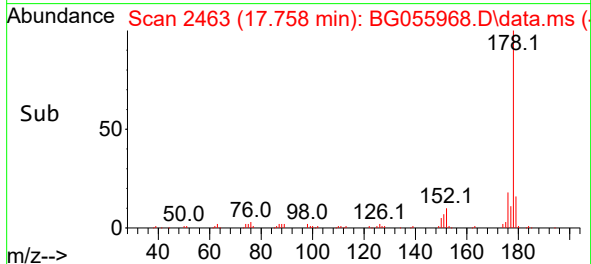
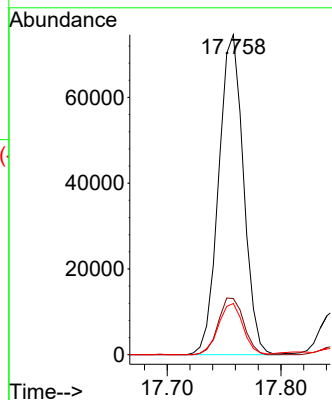
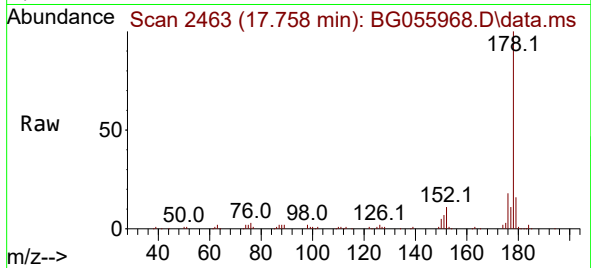




#71
Phenanthrene
Concen: 36.026 ng
RT: 17.758 min Scan# 2463
Delta R.T. -0.001 min
Lab File: BG055968.D
Acq: 14 Dec 2022 20:50

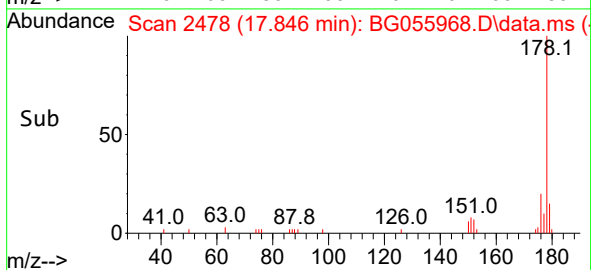
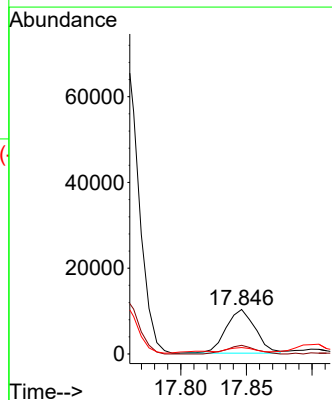
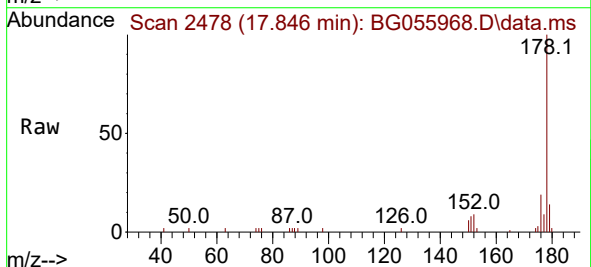
Instrument :
BNA_G
ClientSampleId :
MH-21

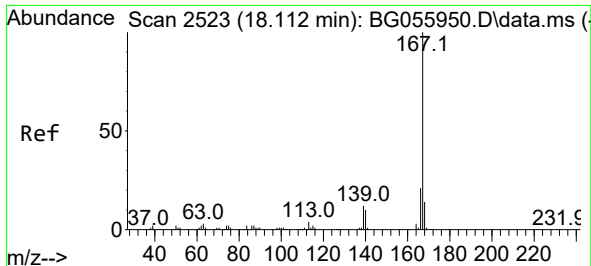
Tgt Ion:178 Resp: 112947
Ion Ratio Lower Upper
178 100
176 17.6 14.4 21.6
179 16.0 12.7 19.1



#72
Anthracene
Concen: 5.119 ng
RT: 17.846 min Scan# 2478
Delta R.T. -0.001 min
Lab File: BG055968.D
Acq: 14 Dec 2022 20:50

Tgt Ion:178 Resp: 15877
Ion Ratio Lower Upper
178 100
176 19.4 13.9 20.9
179 14.3 12.7 19.1

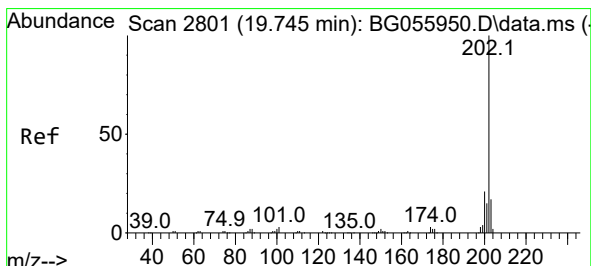
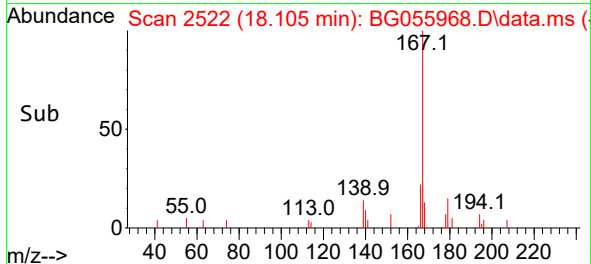
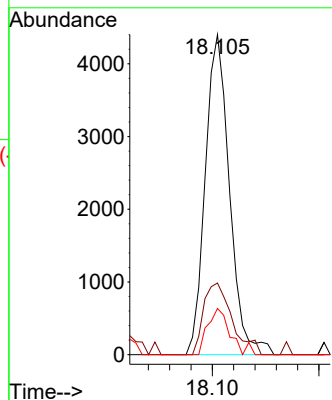
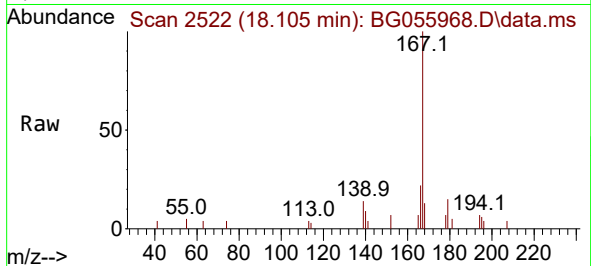




#73
 Carbazole
 Concen: 2.720 ng
 RT: 18.105 min Scan# 2522
 Delta R.T. -0.007 min
 Lab File: BG055968.D
 Acq: 14 Dec 2022 20:50

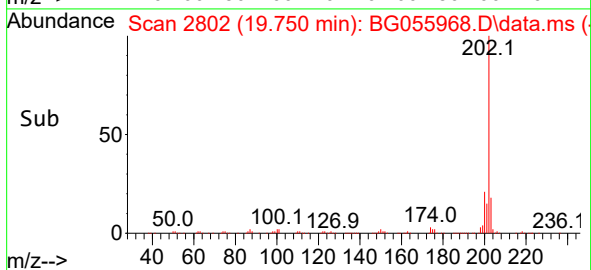
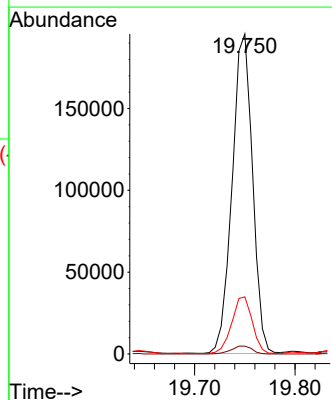
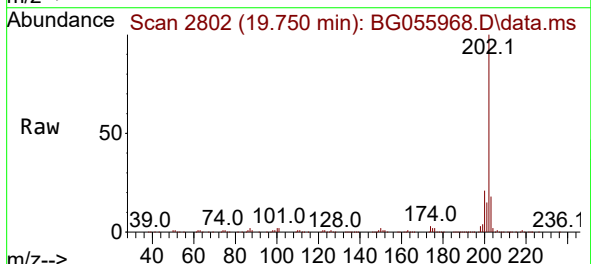
Instrument :
 BNA_G
 ClientSampleId :
 MH-21

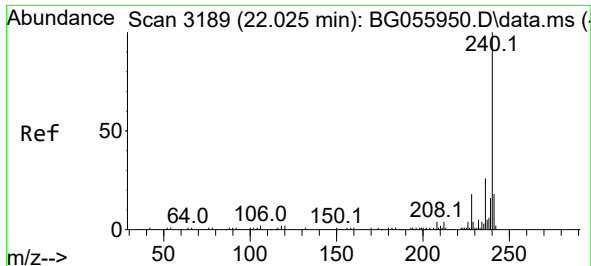
Tgt Ion:167 Resp: 6959
 Ion Ratio Lower Upper
 167 100
 166 22.4 16.6 25.0
 139 14.5 9.7 14.5



#75
 Fluoranthene
 Concen: 62.741 ng
 RT: 19.750 min Scan# 2802
 Delta R.T. 0.004 min
 Lab File: BG055968.D
 Acq: 14 Dec 2022 20:50

Tgt Ion:202 Resp: 275446
 Ion Ratio Lower Upper
 202 100
 101 2.4 0.0 22.6
 203 17.9 0.0 37.1

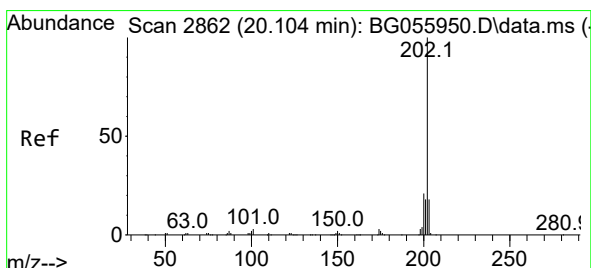
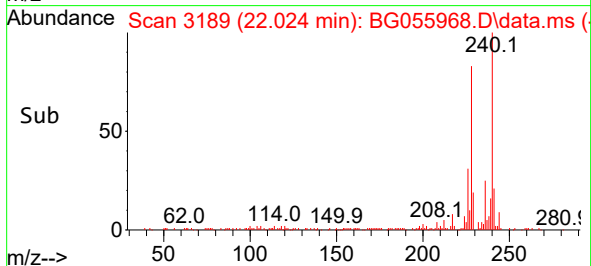
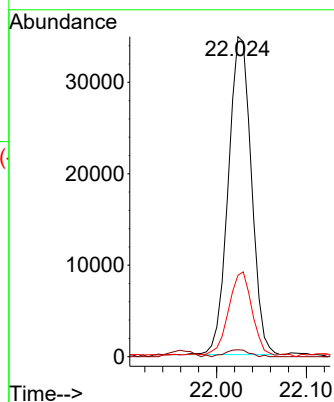
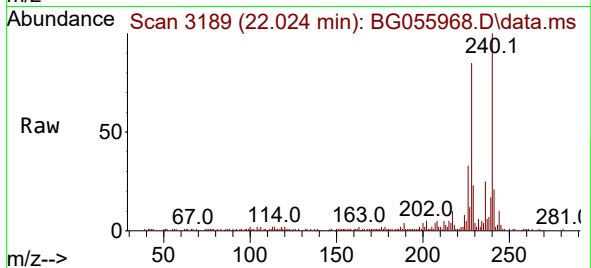




#76
Chrysene-d12
Concen: 20.000 ng
RT: 22.024 min Scan# 3189
Delta R.T. -0.001 min
Lab File: BG055968.D
Acq: 14 Dec 2022 20:50

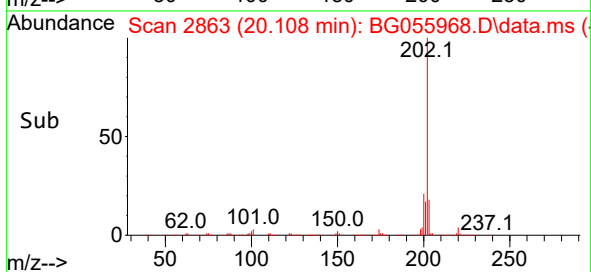
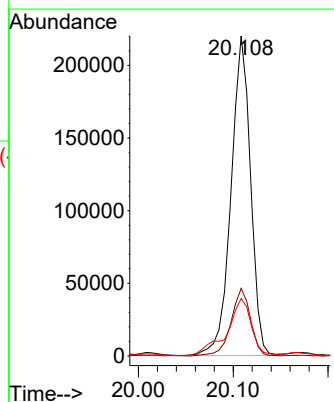
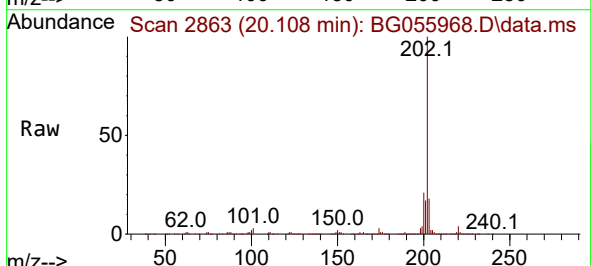
Instrument :
BNA_G
ClientSampleId :
MH-21

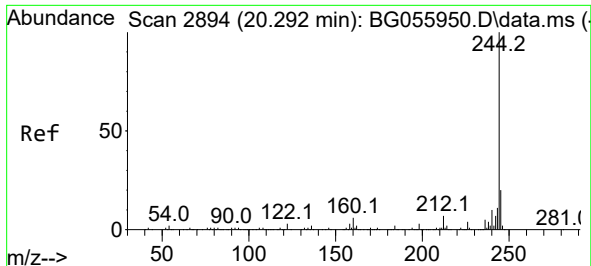
Tgt Ion:240 Resp: 62076
Ion Ratio Lower Upper
240 100
120 2.9 1.7 2.5#
236 25.5 21.1 31.7



#78
Pyrene
Concen: 83.400 ng
RT: 20.108 min Scan# 2863
Delta R.T. 0.005 min
Lab File: BG055968.D
Acq: 14 Dec 2022 20:50

Tgt Ion:202 Resp: 313273
Ion Ratio Lower Upper
202 100
200 21.1 16.7 25.1
203 17.9 14.6 21.8

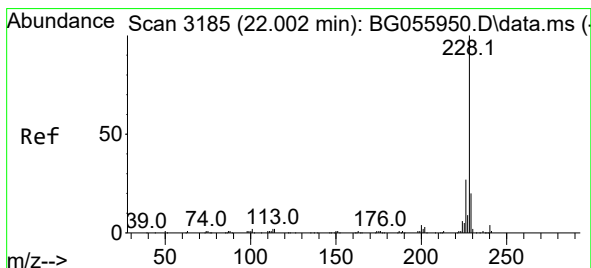
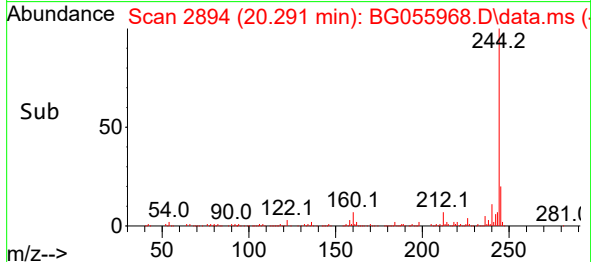
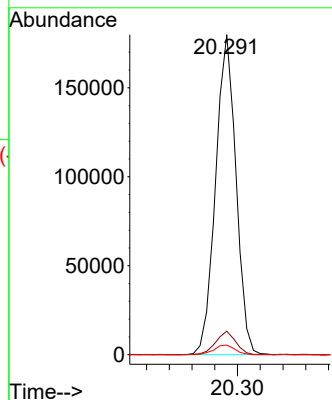
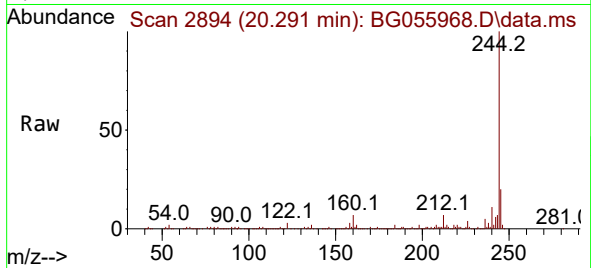




#79
 Terphenyl-d14
 Concen: 63.606 ng
 RT: 20.291 min Scan# 21
 Delta R.T. -0.001 min
 Lab File: BG055968.D
 Acq: 14 Dec 2022 20:50

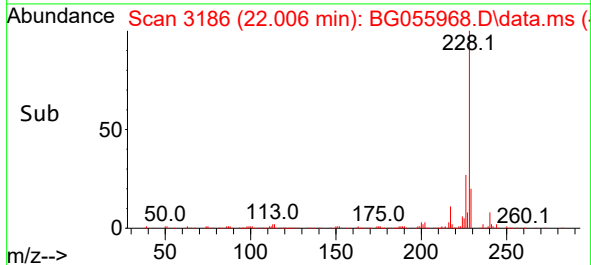
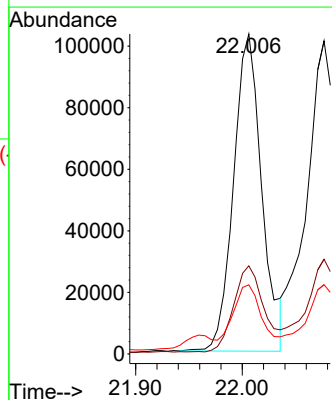
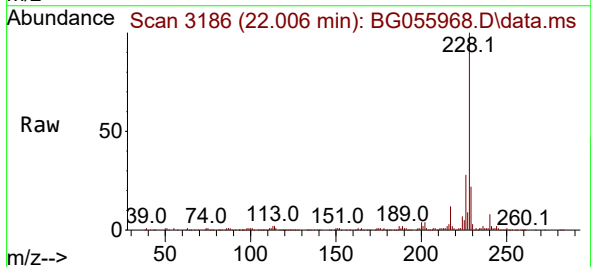
Instrument :
 BNA_G
 ClientSampleId :
 MH-21

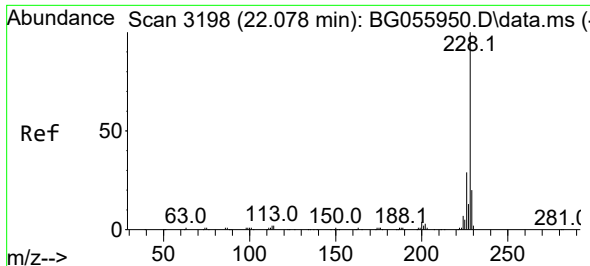
Tgt Ion:244 Resp: 223402
 Ion Ratio Lower Upper
 244 100
 212 7.3 5.8 8.6
 122 3.0 2.5 3.7



#81
 Benzo(a)anthracene
 Concen: 43.365 ng
 RT: 22.006 min Scan# 3186
 Delta R.T. 0.005 min
 Lab File: BG055968.D
 Acq: 14 Dec 2022 20:50

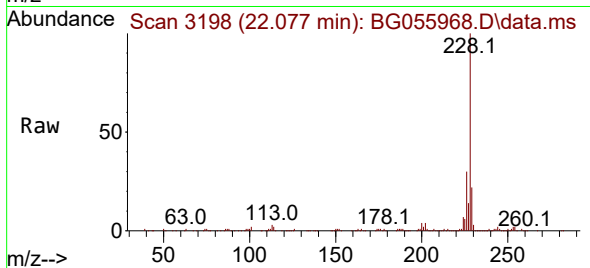
Tgt Ion:228 Resp: 189425
 Ion Ratio Lower Upper
 228 100
 226 27.6 21.8 32.6
 229 21.6 15.9 23.9



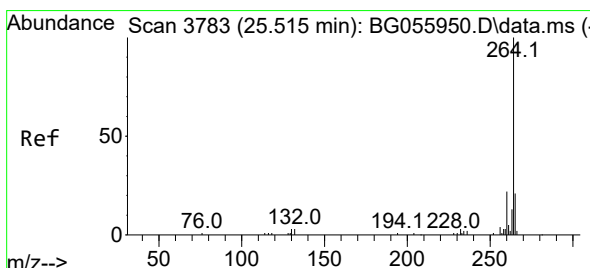
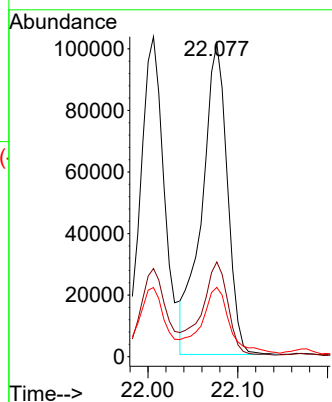
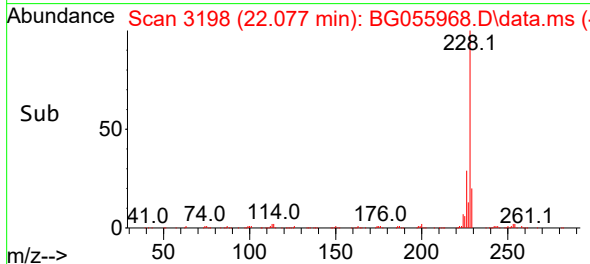


#83
Chrysene
Concen: 48.623 ng
RT: 22.077 min Scan# 3198
Delta R.T. -0.001 min
Lab File: BG055968.D
Acq: 14 Dec 2022 20:50

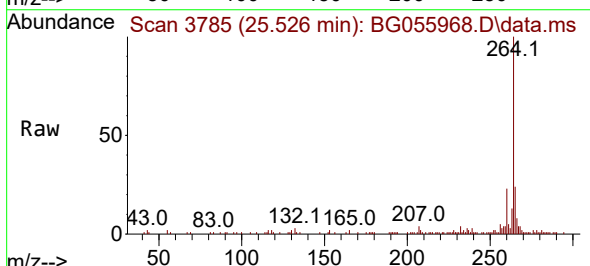
Instrument :
BNA_G
ClientSampleId :
MH-21



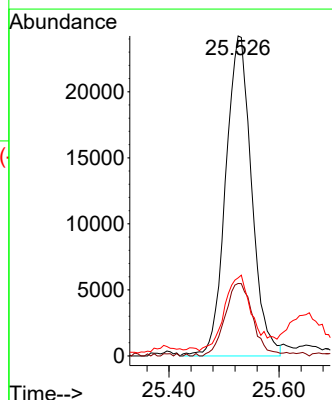
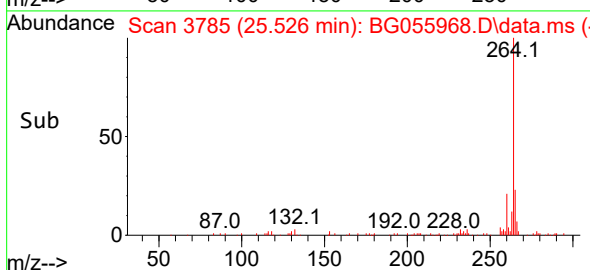
Tgt Ion:228 Resp: 199059
Ion Ratio Lower Upper
228 100
226 30.3 23.1 34.7
229 22.1 15.7 23.5

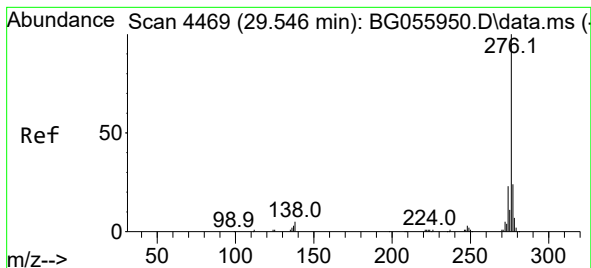


#86
Perylene-d12
Concen: 20.000 ng
RT: 25.526 min Scan# 3785
Delta R.T. 0.010 min
Lab File: BG055968.D
Acq: 14 Dec 2022 20:50



Tgt Ion:264 Resp: 79352
Ion Ratio Lower Upper
264 100
260 22.7 17.8 26.8
265 24.4 16.6 25.0





#87

Indeno(1,2,3-cd)pyrene

Concen: 18.817 ng

RT: 29.556 min Scan# 4471

Delta R.T. 0.010 min

Lab File: BG055968.D

Acq: 14 Dec 2022 20:50

Instrument :

BNA_G

ClientSampleId :

MH-21

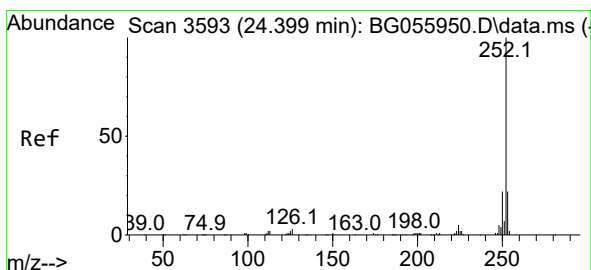
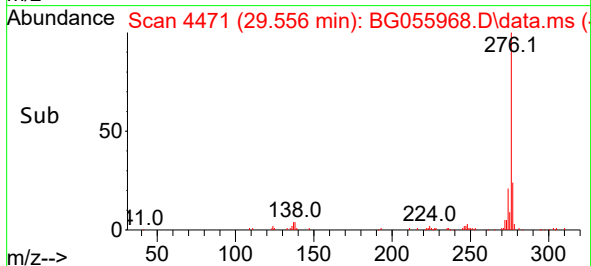
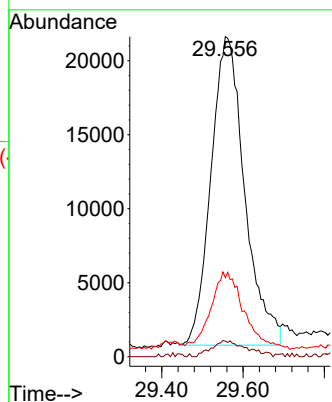
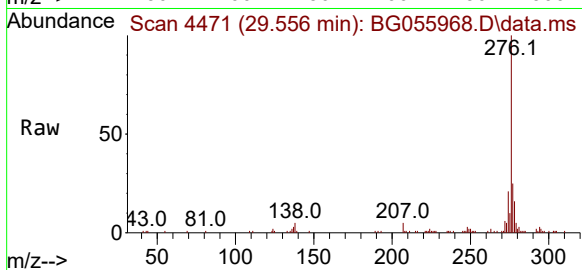
Tgt Ion:276 Resp: 120069

Ion Ratio Lower Upper

276 100

138 5.1 3.0 4.4#

277 24.4 20.4 30.6



#88

Benzo(b)fluoranthene

Concen: 50.851 ng

RT: 24.415 min Scan# 3596

Delta R.T. 0.016 min

Lab File: BG055968.D

Acq: 14 Dec 2022 20:50

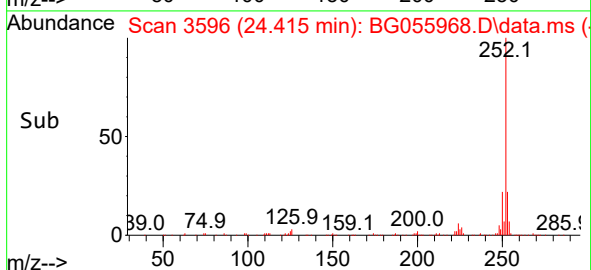
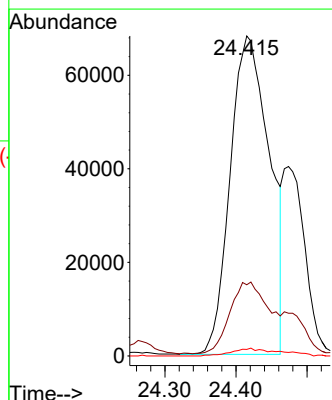
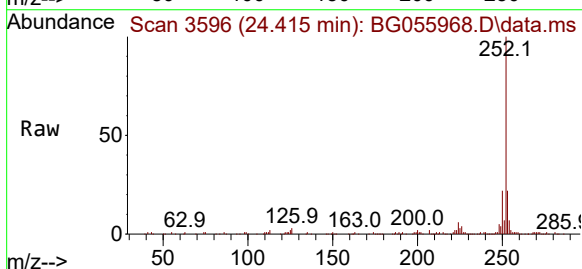
Tgt Ion:252 Resp: 261149

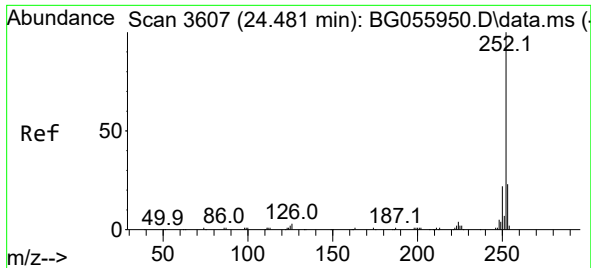
Ion Ratio Lower Upper

252 100

253 22.2 17.4 26.0

125 2.1 1.8 2.8

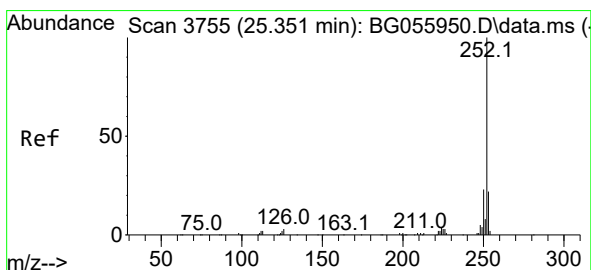
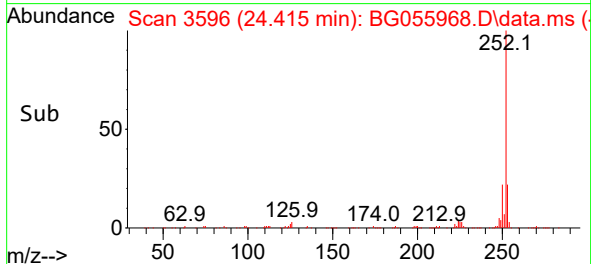
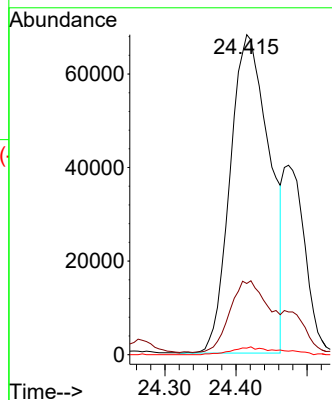
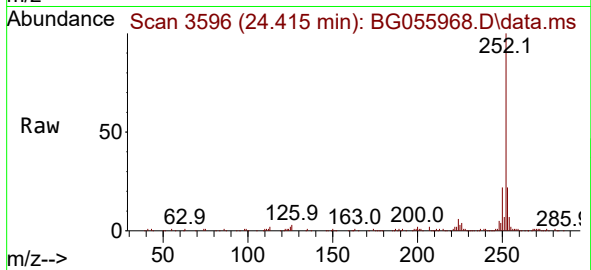




#89
Benzo(k)fluoranthene
Concen: 50.968 ng
RT: 24.415 min Scan# 31
Delta R.T. -0.066 min
Lab File: BG055968.D
Acq: 14 Dec 2022 20:50

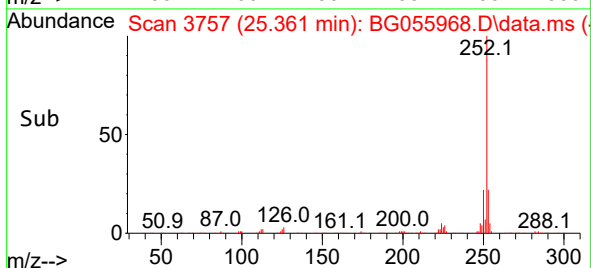
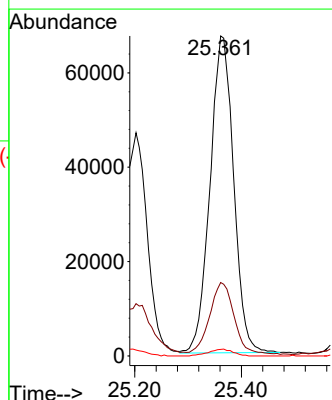
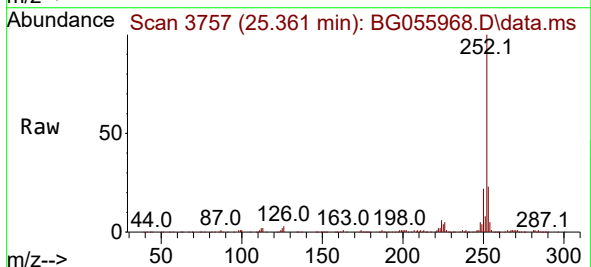
Instrument :
BNA_G
ClientSampleId :
MH-21

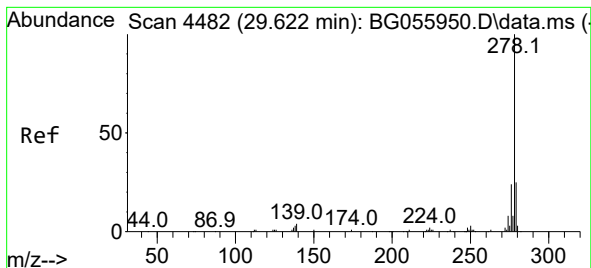
Tgt Ion:252 Resp: 261149
Ion Ratio Lower Upper
252 100
253 22.2 18.2 27.2
125 2.1 2.0 3.0



#90
Benzo(a)pyrene
Concen: 47.526 ng
RT: 25.361 min Scan# 3757
Delta R.T. 0.010 min
Lab File: BG055968.D
Acq: 14 Dec 2022 20:50

Tgt Ion:252 Resp: 206309
Ion Ratio Lower Upper
252 100
253 22.9 17.7 26.5
125 2.1 1.9 2.9





#91

Dibenzo(a,h)anthracene

Concen: 6.082 ng

RT: 29.615 min Scan# 4481

Delta R.T. -0.007 min

Lab File: BG055968.D

Acq: 14 Dec 2022 20:50

Instrument :

BNA_G

ClientSampleId :

MH-21

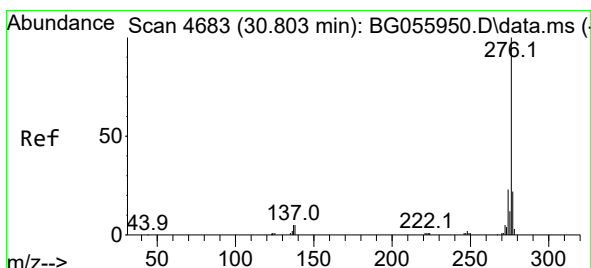
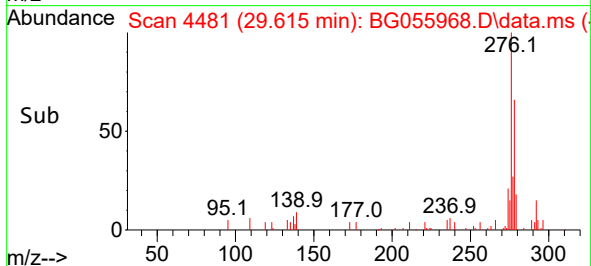
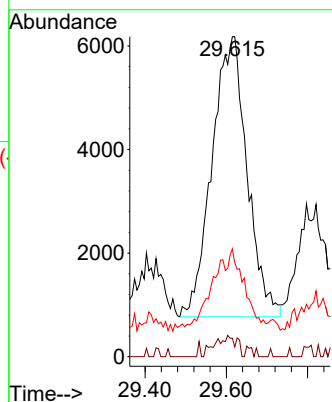
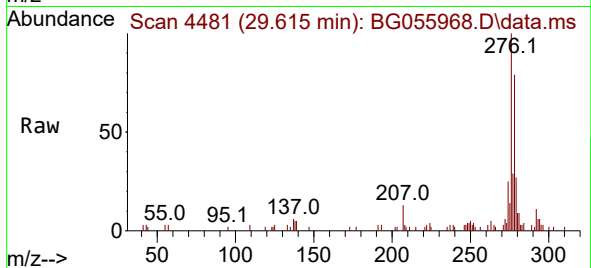
Tgt Ion:278 Resp: 32482

Ion Ratio Lower Upper

278 100

139 5.8 2.9 4.3#

279 33.7 20.0 30.0#



#92

Benzo(g,h,i)perylene

Concen: 23.203 ng

RT: 30.819 min Scan# 4686

Delta R.T. 0.016 min

Lab File: BG055968.D

Acq: 14 Dec 2022 20:50

Tgt Ion:276 Resp: 119814

Ion Ratio Lower Upper

276 100

277 25.8 17.8 26.6

138 4.6 3.8 5.6

