

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG112222\
 Data File : BG055752.D
 Acq On : 22 Nov 2022 23:26
 Operator : CG/JU
 Sample : N5749-22
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 MH-84

Quant Time: Nov 23 01:41:59 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG111622.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Nov 23 01:35:20 2022
 Response via : Initial Calibration

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

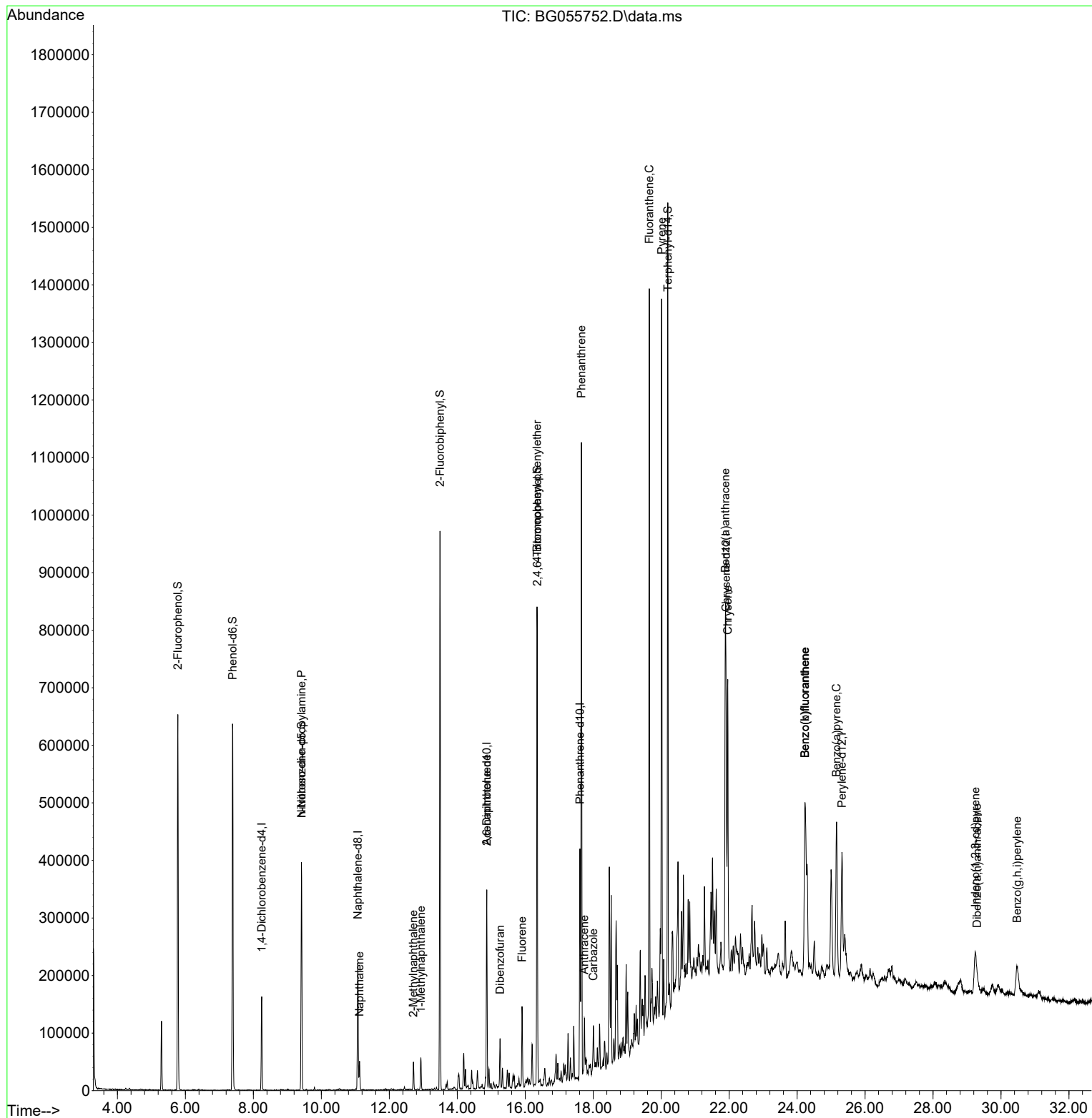
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.246	152	46259	20.000	ng	0.00
21) Naphthalene-d8	11.072	136	194703	20.000	ng	0.00
39) Acenaphthene-d10	14.867	164	125555	20.000	ng	0.00
64) Phenanthrene-d10	17.611	188	259885	20.000	ng	0.00
76) Chrysene-d12	21.906	240	244740	20.000	ng	0.00
86) Perylene-d12	25.320	264	269200	20.000	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.778	112	284903	111.323	ng	0.00
7) Phenol-d6	7.388	99	368615	108.200	ng	0.00
23) Nitrobenzene-d5	9.415	82	235085	63.817	ng	0.00
42) 2,4,6-Tribromophenol	16.354	330	166192	94.001	ng	0.00
45) 2-Fluorobiphenyl	13.493	172	508559	60.681	ng	0.00
79) Terphenyl-d14	20.197	244	668867	54.663	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	9.415	70	31313	11.963	ng	# 76
31) Naphthalene	11.125	128	40907	3.887	ng	97
37) 2-Methylnaphthalene	12.711	142	23307	2.957	ng	99
38) 1-Methylnaphthalene	12.929	142	27399	3.581	ng	99
51) 2,6-Dinitrotoluene	14.867	165	18268	8.927	ng	# 27
55) Dibenzofuran	15.261	168	40510	3.431	ng	# 97
58) Fluorene	15.907	166	60349	6.399	ng	99
67) 4-Bromophenyl-phenylether	16.348	248	10311	3.482	ng	# 1
71) Phenanthrene	17.652	178	712189	50.782	ng	100
72) Anthracene	17.741	178	62992	4.623	ng	99
73) Carbazole	18.005	167	51987	4.244	ng	98
75) Fluoranthene	19.650	202	796501	46.683	ng	99
78) Pyrene	20.014	202	774337	46.743	ng	99
81) Benzo(a)anthracene	21.889	228	377101	22.371	ng	99
83) Chrysene	21.959	228	384682	23.972	ng	99
87) Indeno(1,2,3-cd)pyrene	29.245	276	172386	7.817	ng	# 84
88) Benzo(b)fluoranthene	24.233	252	457035	26.069	ng	98
89) Benzo(k)fluoranthene	24.233	252	457035	26.153	ng	97
90) Benzo(a)pyrene	25.161	252	355198	23.610	ng	98
91) Dibenzo(a,h)anthracene	29.298	278	45207	2.508	ng	# 89
92) Benzo(g,h,i)perylene	30.479	276	154208	8.490	ng	100

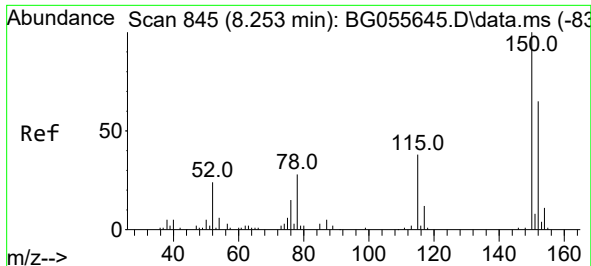
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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BNA_G
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MH-84

Quant Time: Nov 23 01:41:59 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG11622.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 23 01:35:20 2022
Response via : Initial Calibration

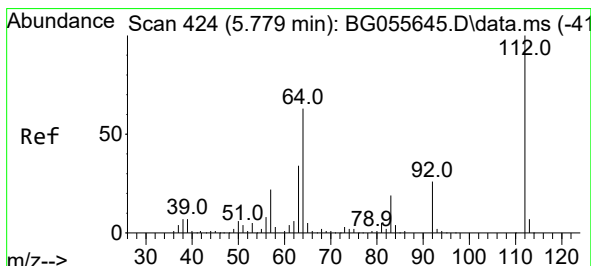
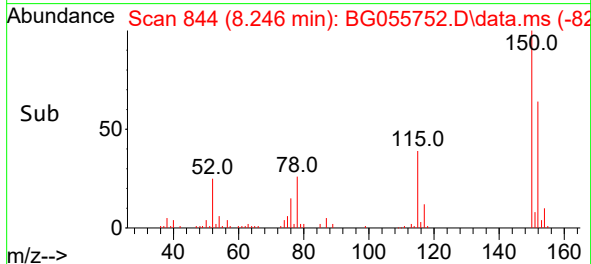
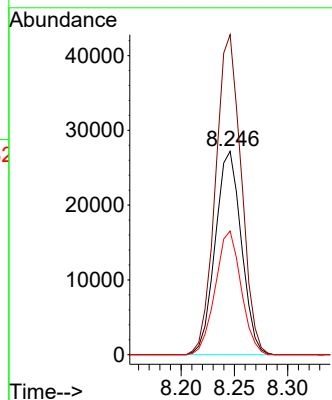
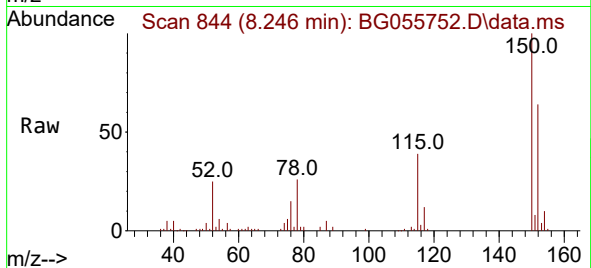




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.246 min Scan# 84
Delta R.T. -0.000 min
Lab File: BG055752.D
Acq: 22 Nov 2022 23:26

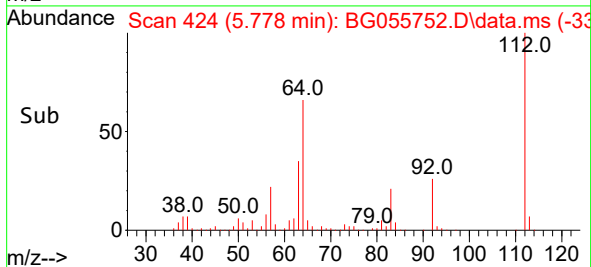
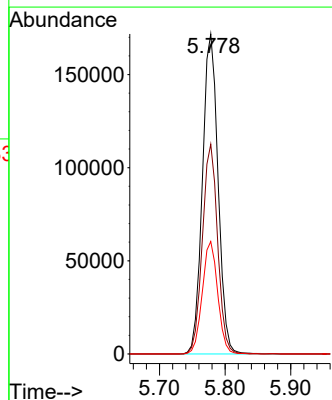
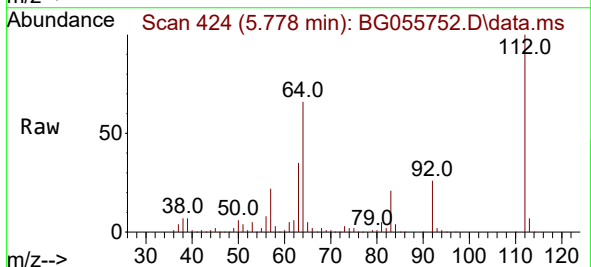
Instrument :
BNA_G
ClientSampleId :
MH-84

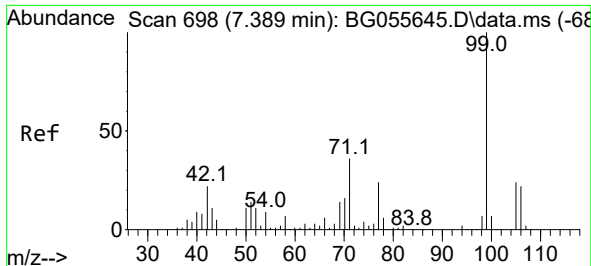
Tgt Ion:152 Resp: 46259
Ion Ratio Lower Upper
152 100
150 157.3 123.0 184.6
115 60.8 47.0 70.4



#5
2-Fluorophenol
Concen: 111.323 ng
RT: 5.778 min Scan# 424
Delta R.T. 0.006 min
Lab File: BG055752.D
Acq: 22 Nov 2022 23:26

Tgt Ion:112 Resp: 284903
Ion Ratio Lower Upper
112 100
64 65.6 50.6 76.0
63 35.2 27.5 41.3

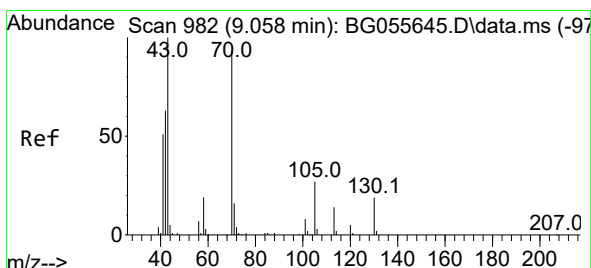
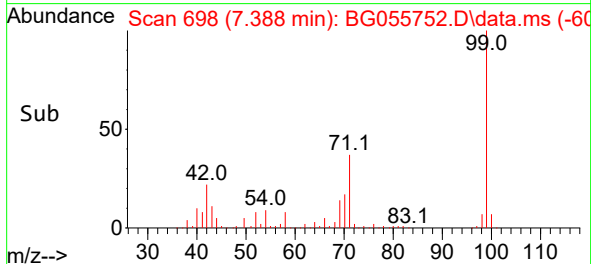
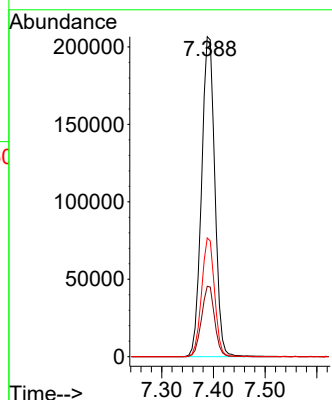
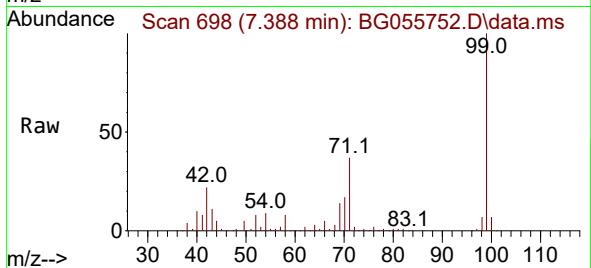




#7
Phenol-d6
Concen: 108.200 ng
RT: 7.388 min Scan# 61
Delta R.T. -0.000 min
Lab File: BG055752.D
Acq: 22 Nov 2022 23:26

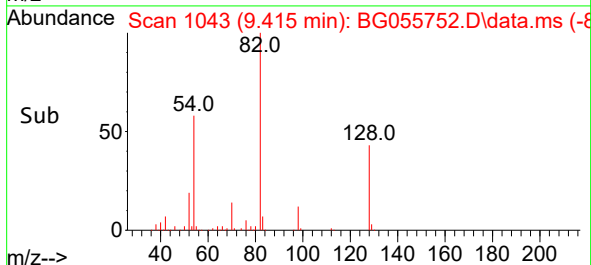
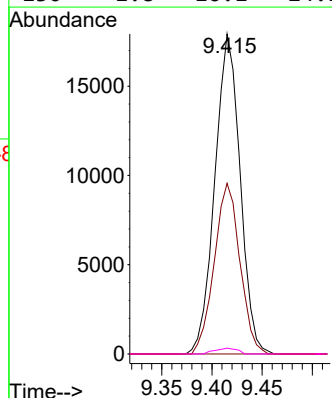
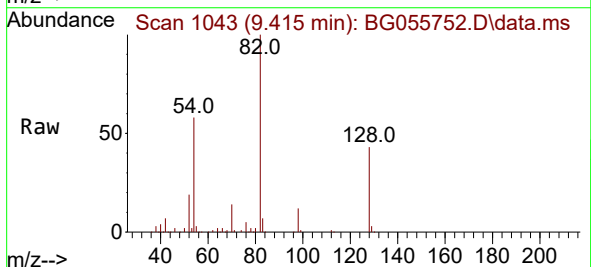
Instrument :
BNA_G
ClientSampleId :
MH-84

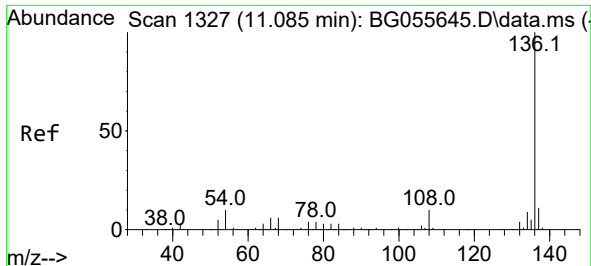
Tgt Ion: 99 Resp: 368615
Ion Ratio Lower Upper
99 100
42 22.0 18.0 27.0
71 37.1 29.0 43.6



#19
n-Nitroso-di-n-propylamine
Concen: 11.963 ng
RT: 9.415 min Scan# 1043
Delta R.T. 0.370 min
Lab File: BG055752.D
Acq: 22 Nov 2022 23:26

Tgt Ion: 70 Resp: 31313
Ion Ratio Lower Upper
70 100
42 53.3 55.2 82.8#
101 0.0 7.1 10.7#
130 1.8 16.1 24.1#

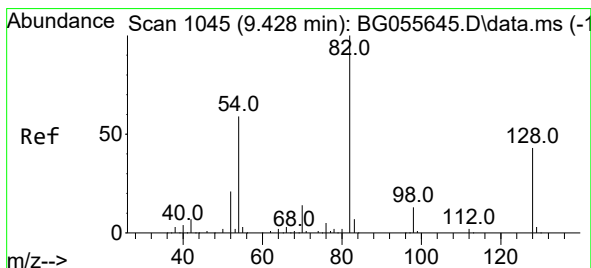
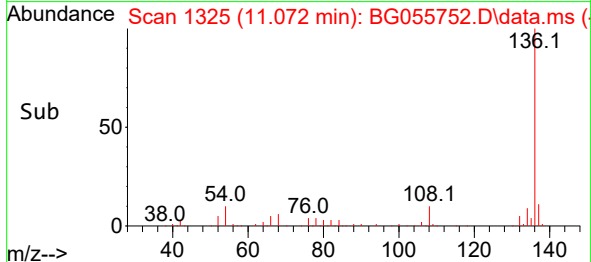
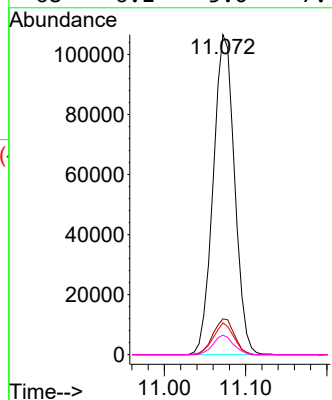
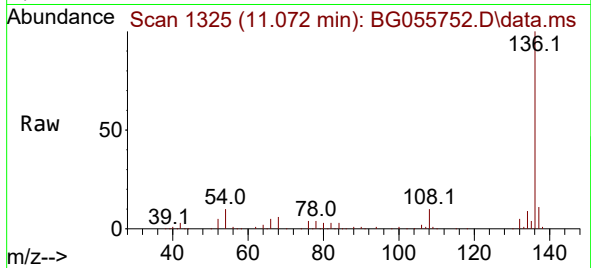




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.072 min Scan# 11
Delta R.T. -0.000 min
Lab File: BG055752.D
Acq: 22 Nov 2022 23:26

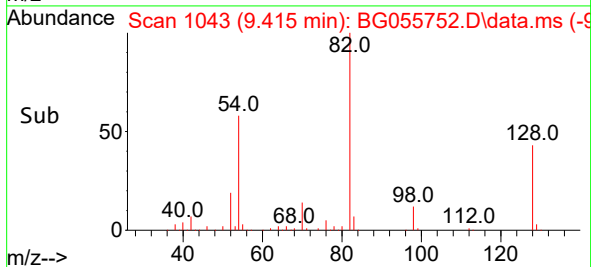
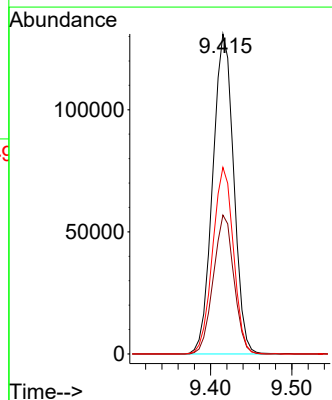
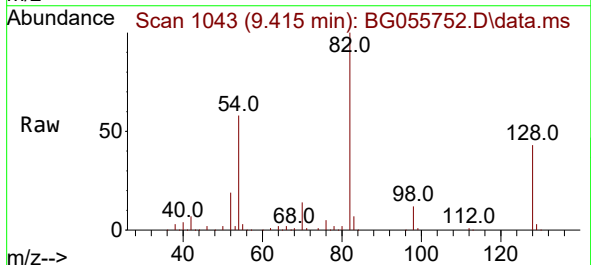
Instrument :
BNA_G
ClientSampleId :
MH-84

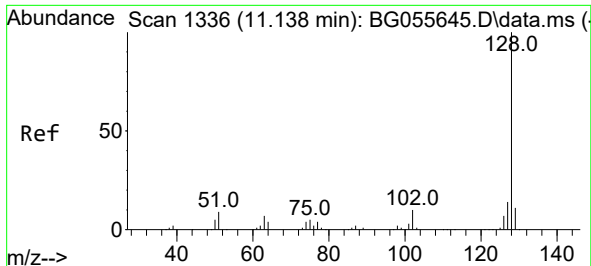
Tgt Ion:136 Resp: 194703
Ion Ratio Lower Upper
136 100
137 11.2 9.0 13.6
54 9.9 7.8 11.6
68 6.1 5.0 7.4



#23
Nitrobenzene-d5
Concen: 63.817 ng
RT: 9.415 min Scan# 1043
Delta R.T. -0.000 min
Lab File: BG055752.D
Acq: 22 Nov 2022 23:26

Tgt Ion: 82 Resp: 235085
Ion Ratio Lower Upper
82 100
128 43.4 34.1 51.1
54 58.3 47.3 70.9

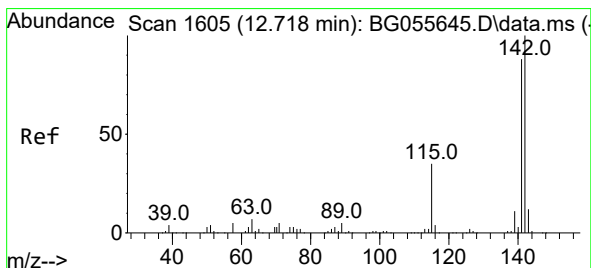
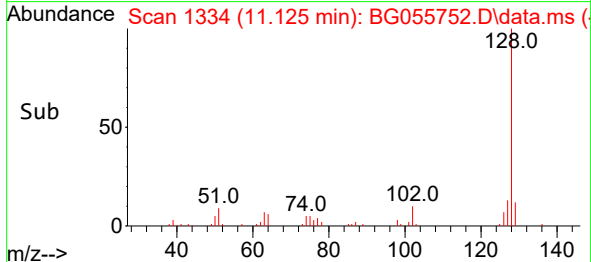
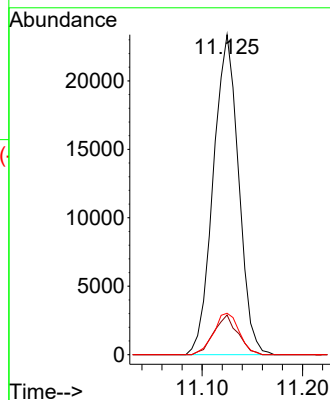
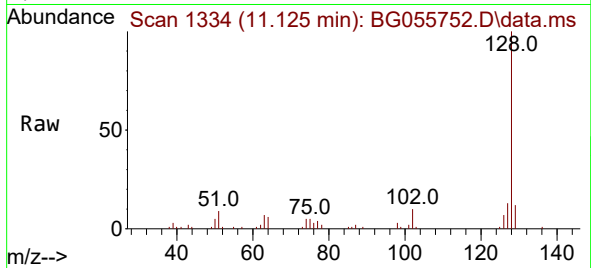




#31
Naphthalene
Concen: 3.887 ng
RT: 11.125 min Scan# 11
Delta R.T. -0.000 min
Lab File: BG055752.D
Acq: 22 Nov 2022 23:26

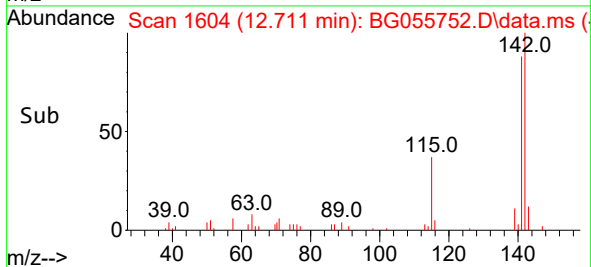
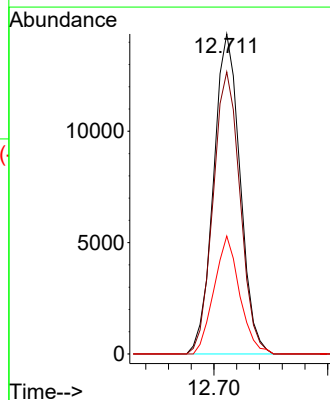
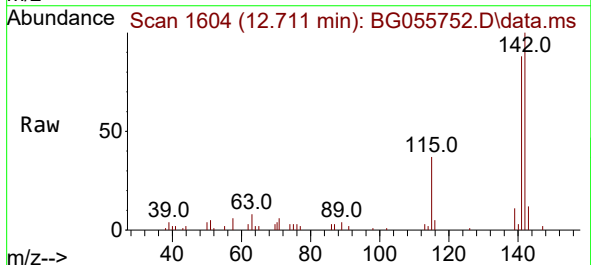
Instrument :
BNA_G
ClientSampleId :
MH-84

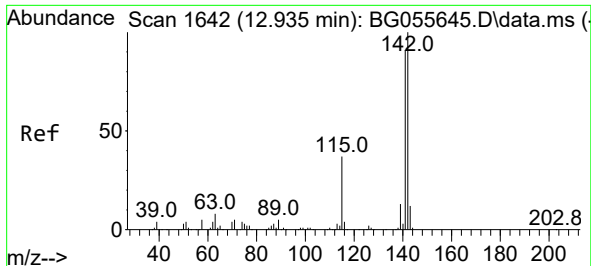
Tgt Ion:128 Resp: 40907
Ion Ratio Lower Upper
128 100
129 12.4 8.7 13.1
127 12.9 10.9 16.3



#37
2-Methylnaphthalene
Concen: 2.957 ng
RT: 12.711 min Scan# 1604
Delta R.T. -0.000 min
Lab File: BG055752.D
Acq: 22 Nov 2022 23:26

Tgt Ion:142 Resp: 23307
Ion Ratio Lower Upper
142 100
141 88.2 70.3 105.5
115 36.8 27.9 41.9





#38

1-Methylnaphthalene

Concen: 3.581 ng

RT: 12.929 min Scan# 1

Delta R.T. -0.000 min

Lab File: BG055752.D

Acq: 22 Nov 2022 23:26

Instrument :

BNA_G

ClientSampleId :

MH-84

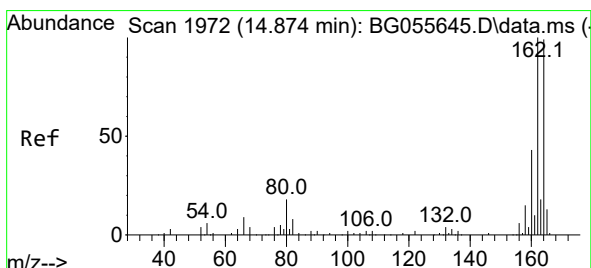
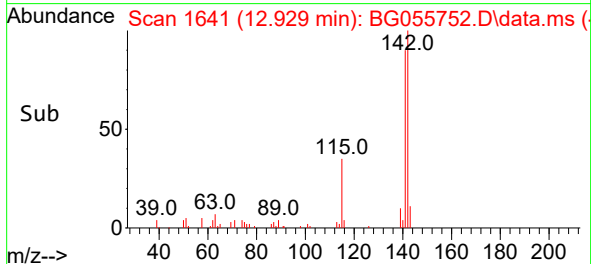
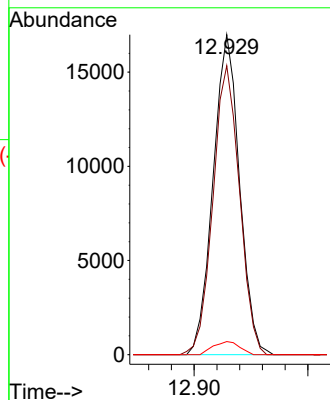
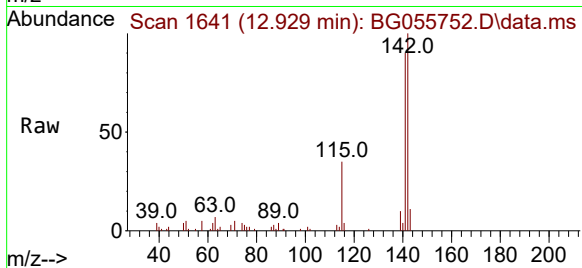
Tgt Ion:142 Resp: 27399

Ion Ratio Lower Upper

142 100

141 90.3 73.0 109.4

116 4.1 3.1 4.7



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.867 min Scan# 1971

Delta R.T. -0.000 min

Lab File: BG055752.D

Acq: 22 Nov 2022 23:26

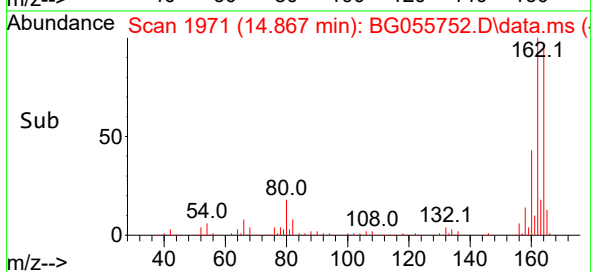
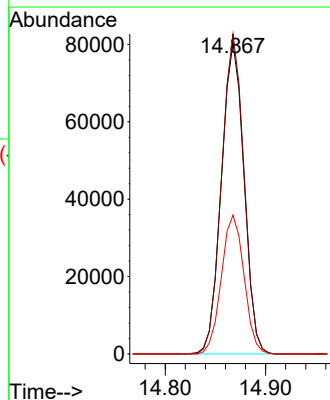
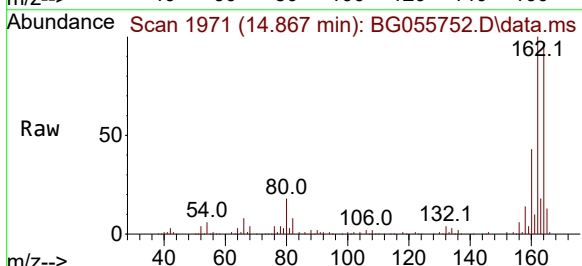
Tgt Ion:164 Resp: 125555

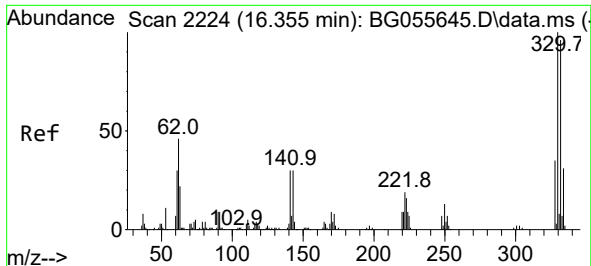
Ion Ratio Lower Upper

164 100

162 102.8 81.1 121.7

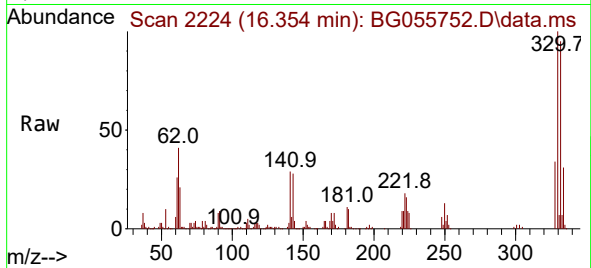
160 44.6 34.8 52.2



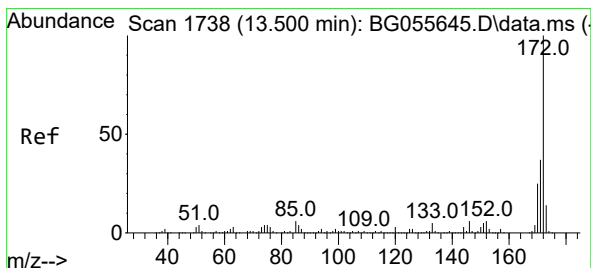
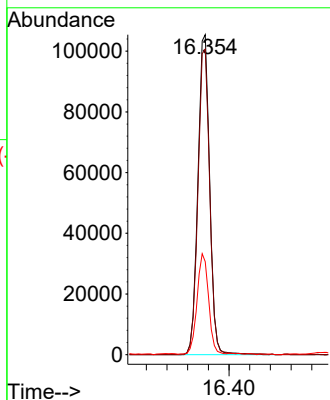
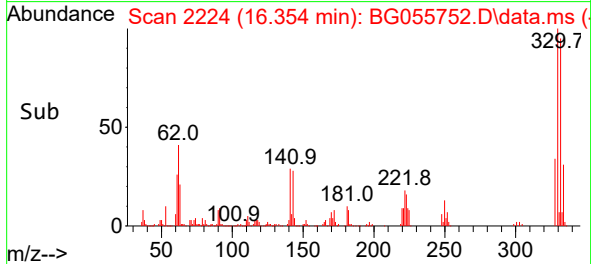


#42
2,4,6-Tribromophenol
Concen: 94.001 ng
RT: 16.354 min Scan# 21
Delta R.T. 0.006 min
Lab File: BG055752.D
Acq: 22 Nov 2022 23:26

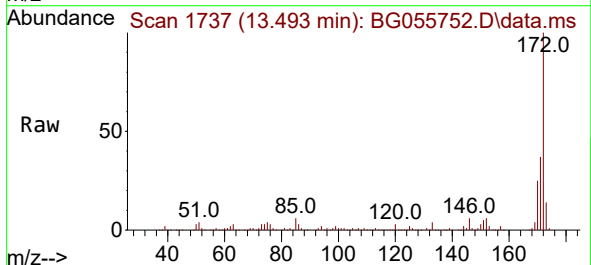
Instrument :
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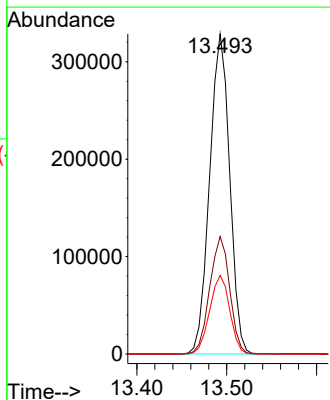
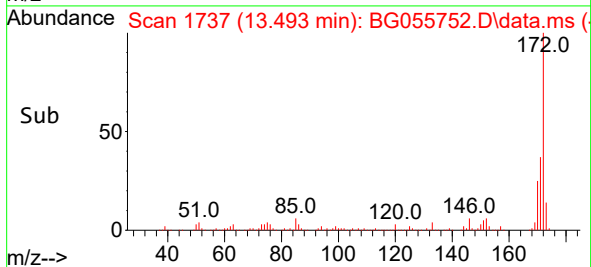
Tgt Ion:330 Resp: 166192
Ion Ratio Lower Upper
330 100
332 95.4 77.8 116.8
141 30.6 23.9 35.9

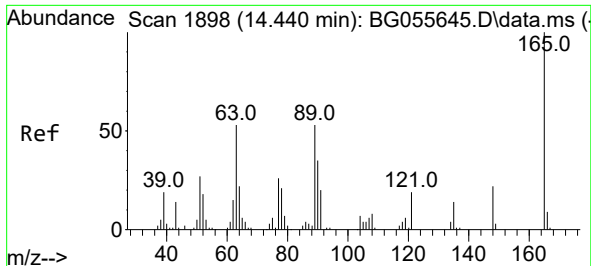


#45
2-Fluorobiphenyl
Concen: 60.681 ng
RT: 13.493 min Scan# 1737
Delta R.T. -0.000 min
Lab File: BG055752.D
Acq: 22 Nov 2022 23:26



Tgt Ion:172 Resp: 508559
Ion Ratio Lower Upper
172 100
171 36.7 29.8 44.6
170 24.5 20.2 30.4

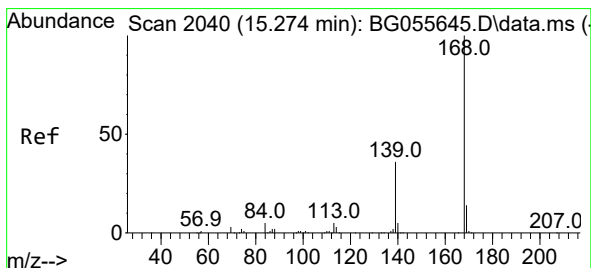
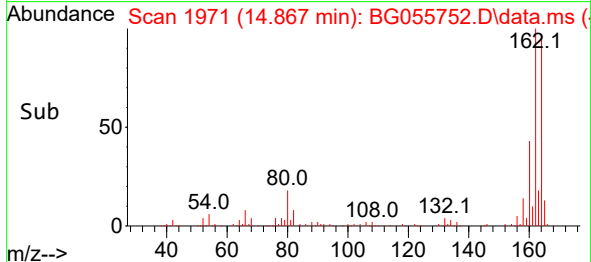
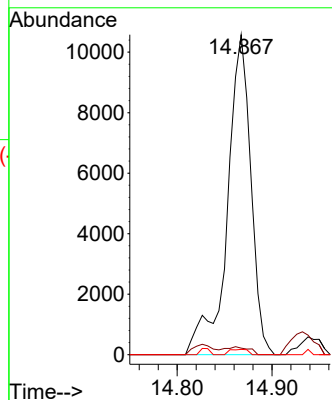
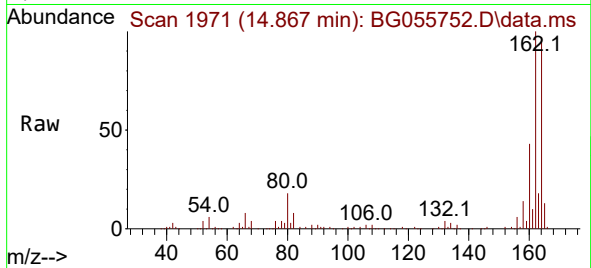




#51
2,6-Dinitrotoluene
Concen: 8.927 ng
RT: 14.867 min Scan# 1971
Delta R.T. 0.435 min
Lab File: BG055752.D
Acq: 22 Nov 2022 23:26

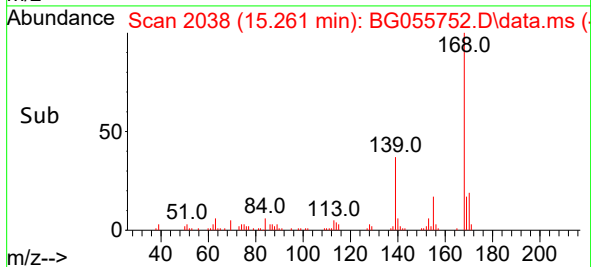
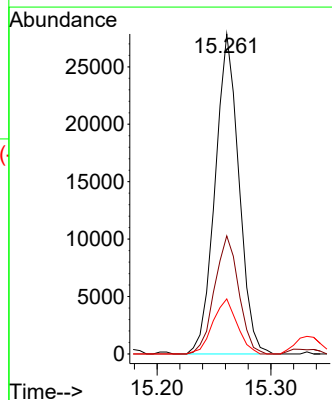
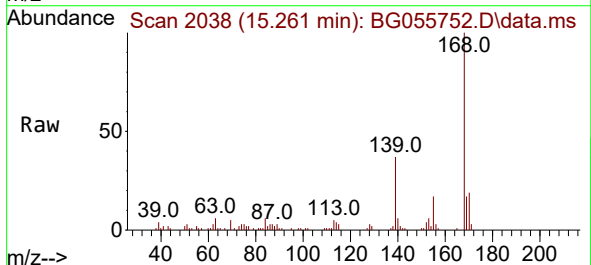
Instrument :
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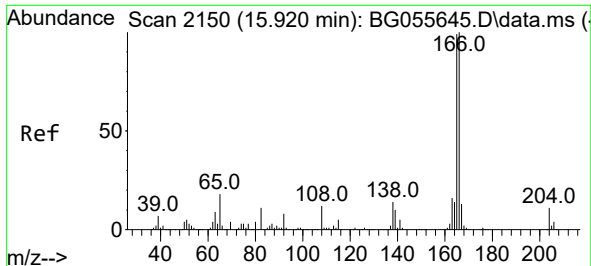
Tgt Ion:165 Resp: 18268
Ion Ratio Lower Upper
165 100
63 2.1 44.6 66.8#
89 1.6 42.2 63.4#



#55
Dibenzofuran
Concen: 3.431 ng
RT: 15.261 min Scan# 2038
Delta R.T. -0.000 min
Lab File: BG055752.D
Acq: 22 Nov 2022 23:26

Tgt Ion:168 Resp: 40510
Ion Ratio Lower Upper
168 100
139 36.9 28.8 43.2
169 17.2 11.0 16.4#

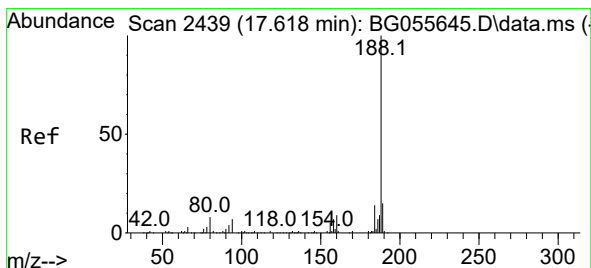
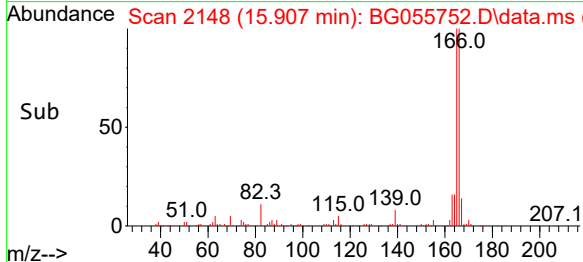
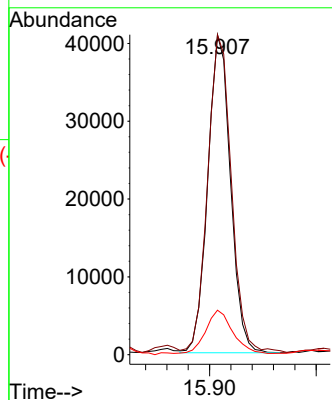
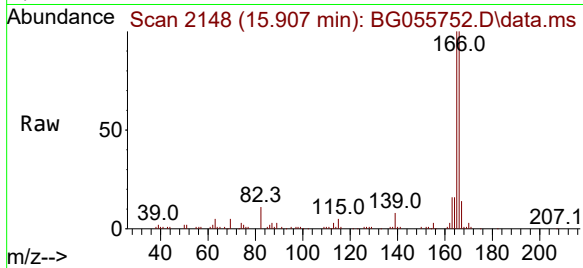




#58
 Fluorene
 Concen: 6.399 ng
 RT: 15.907 min Scan# 2150
 Delta R.T. -0.000 min
 Lab File: BG055752.D
 Acq: 22 Nov 2022 23:26

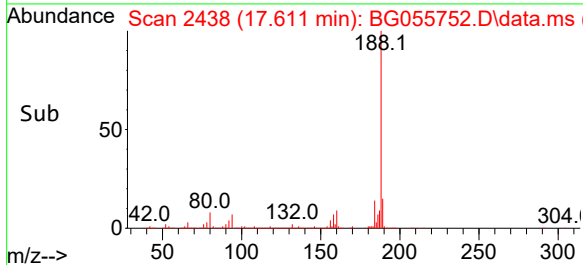
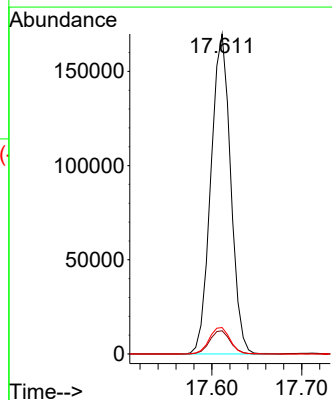
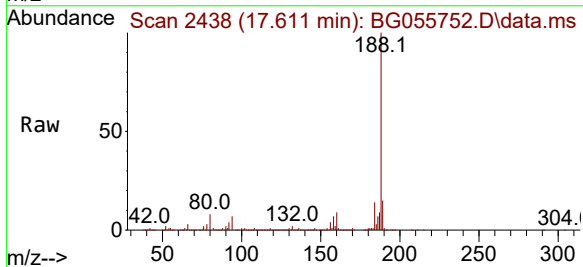
Instrument :
 BNA_G
 ClientSampleId :
 MH-84

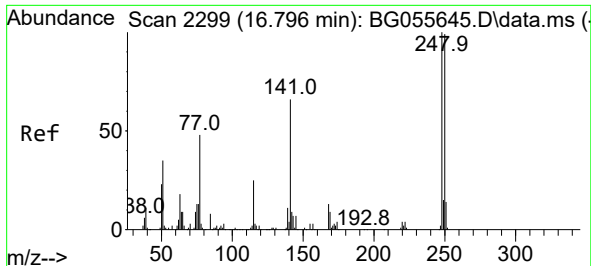
Tgt Ion:166 Resp: 60349
 Ion Ratio Lower Upper
 166 100
 165 100.1 79.3 118.9
 167 13.9 10.6 15.8



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.611 min Scan# 2438
 Delta R.T. 0.006 min
 Lab File: BG055752.D
 Acq: 22 Nov 2022 23:26

Tgt Ion:188 Resp: 259885
 Ion Ratio Lower Upper
 188 100
 94 7.2 5.4 8.2
 80 8.3 6.6 10.0

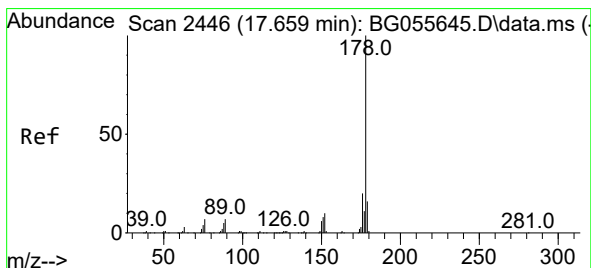
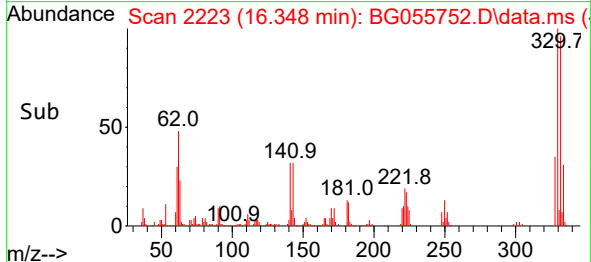
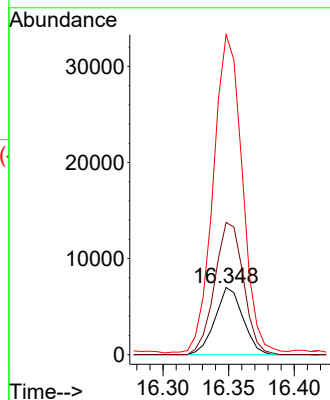
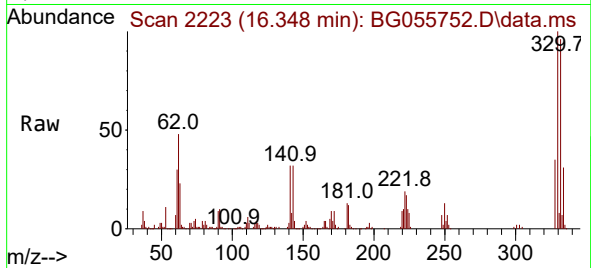




#67
4-Bromophenyl-phenylether
Concen: 3.482 ng
RT: 16.348 min Scan# 21
Delta R.T. -0.441 min
Lab File: BG055752.D
Acq: 22 Nov 2022 23:26

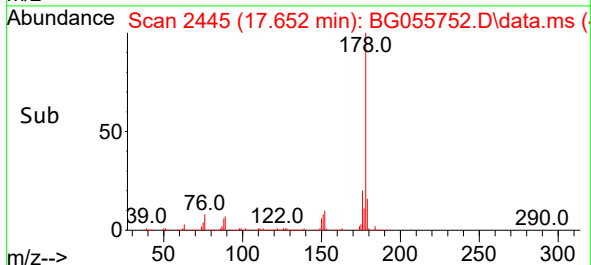
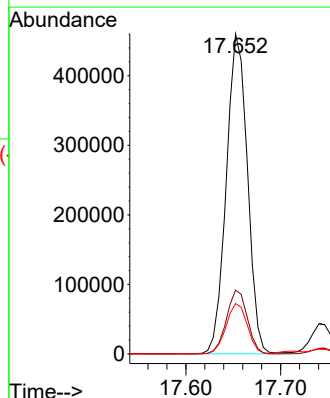
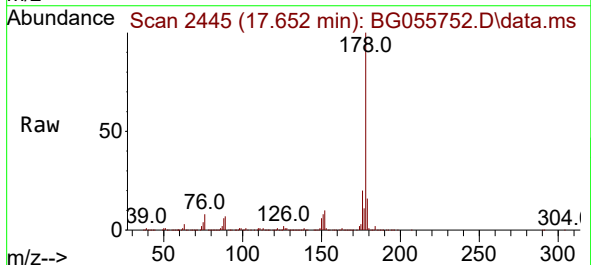
Instrument :
BNA_G
ClientSampleId :
MH-84

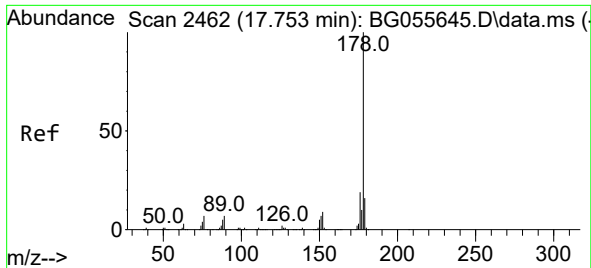
Tgt Ion:248 Resp: 10311
Ion Ratio Lower Upper
248 100
250 196.8 79.0 118.4#
141 475.9 52.9 79.3#



#71
Phenanthrene
Concen: 50.782 ng
RT: 17.652 min Scan# 2445
Delta R.T. -0.000 min
Lab File: BG055752.D
Acq: 22 Nov 2022 23:26

Tgt Ion:178 Resp: 712189
Ion Ratio Lower Upper
178 100
176 20.0 16.0 24.0
179 15.8 12.7 19.1

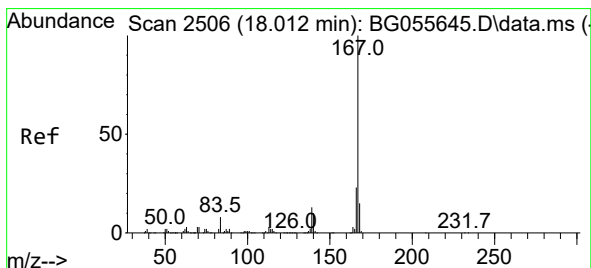
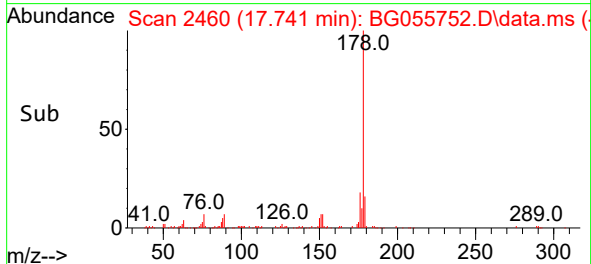
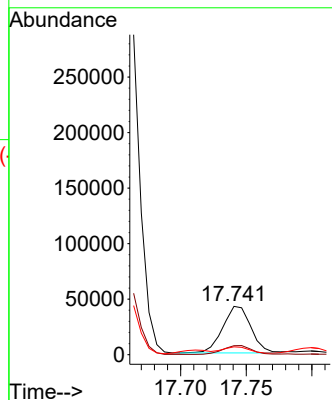
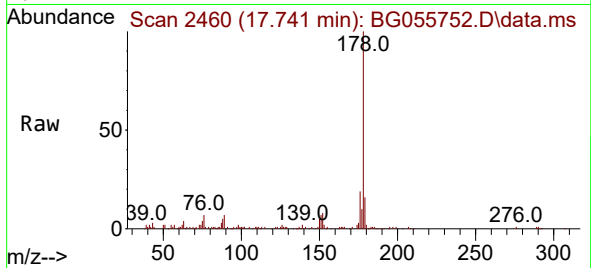




#72
 Anthracene
 Concen: 4.623 ng
 RT: 17.741 min Scan# 2462
 Delta R.T. -0.000 min
 Lab File: BG055752.D
 Acq: 22 Nov 2022 23:26

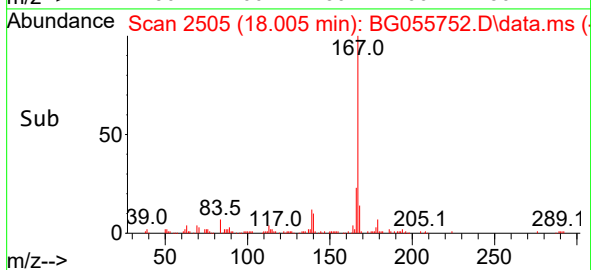
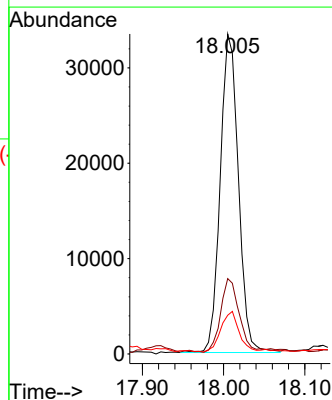
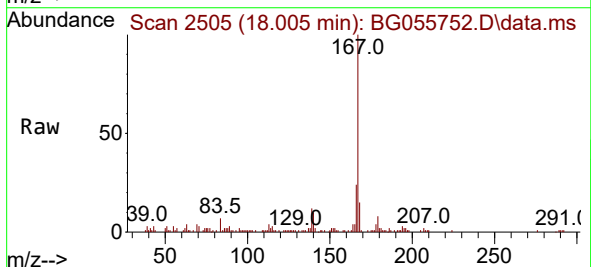
Instrument :
 BNA_G
 ClientSampleId :
 MH-84

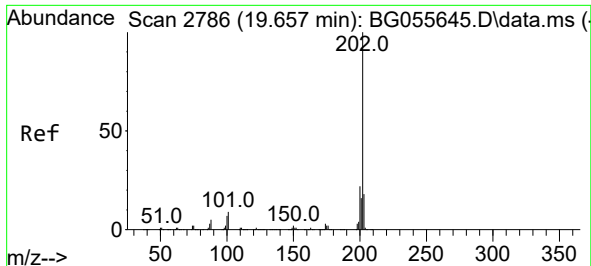
Tgt Ion:178 Resp: 62992
 Ion Ratio Lower Upper
 178 100
 176 18.7 15.5 23.3
 179 16.1 12.5 18.7



#73
 Carbazole
 Concen: 4.244 ng
 RT: 18.005 min Scan# 2505
 Delta R.T. -0.000 min
 Lab File: BG055752.D
 Acq: 22 Nov 2022 23:26

Tgt Ion:167 Resp: 51987
 Ion Ratio Lower Upper
 167 100
 166 23.5 18.2 27.2
 139 12.1 10.2 15.4

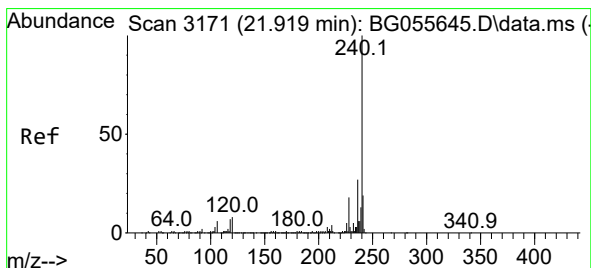
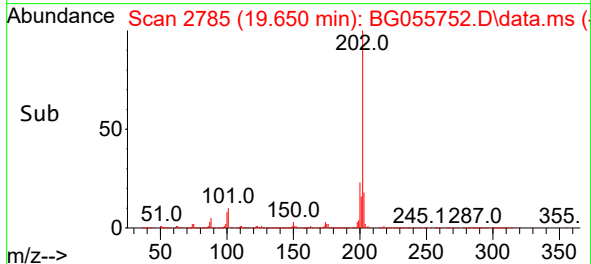
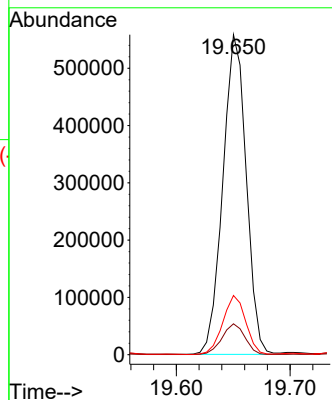
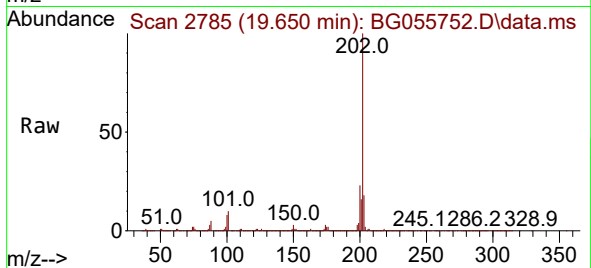




#75
Fluoranthene
Concen: 46.683 ng
RT: 19.650 min Scan# 21
Delta R.T. 0.006 min
Lab File: BG055752.D
Acq: 22 Nov 2022 23:26

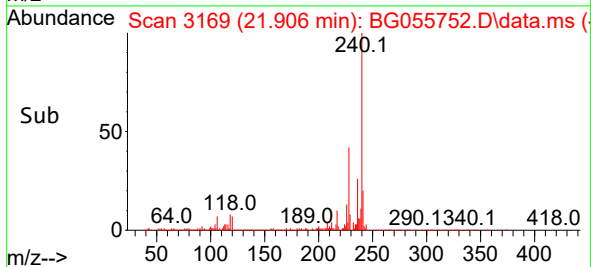
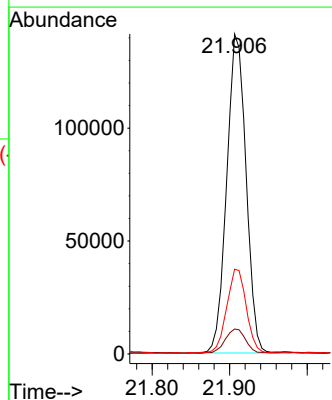
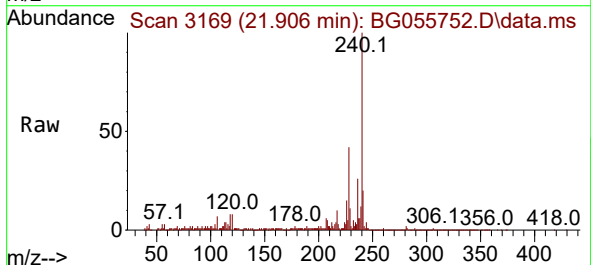
Instrument :
BNA_G
ClientSampleId :
MH-84

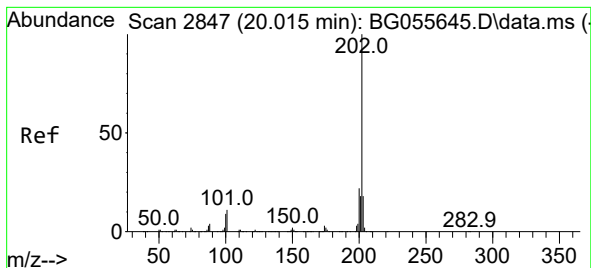
Tgt Ion:202 Resp: 796501
Ion Ratio Lower Upper
202 100
101 9.7 0.0 28.8
203 18.5 0.0 38.1



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.906 min Scan# 3169
Delta R.T. -0.000 min
Lab File: BG055752.D
Acq: 22 Nov 2022 23:26

Tgt Ion:240 Resp: 244740
Ion Ratio Lower Upper
240 100
120 7.8 6.3 9.5
236 26.5 21.9 32.9





#78

Pyrene

Concen: 46.743 ng

RT: 20.014 min Scan# 2

Delta R.T. 0.006 min

Lab File: BG055752.D

Acq: 22 Nov 2022 23:26

Instrument :

BNA_G

ClientSampleId :

MH-84

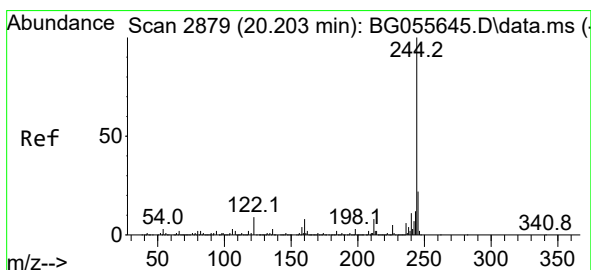
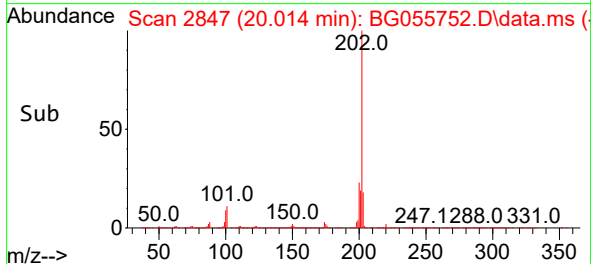
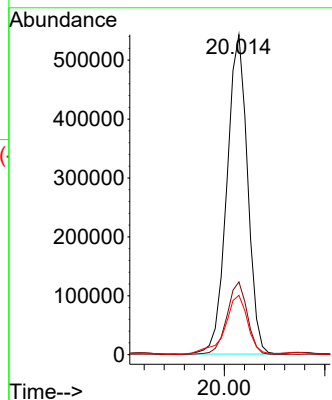
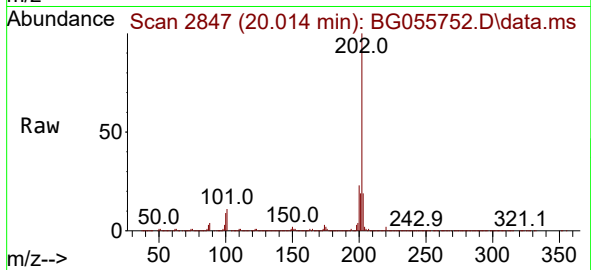
Tgt Ion:202 Resp: 774337

Ion Ratio Lower Upper

202 100

200 22.7 17.8 26.6

203 18.6 14.4 21.6



#79

Terphenyl-d14

Concen: 54.663 ng

RT: 20.197 min Scan# 2878

Delta R.T. 0.006 min

Lab File: BG055752.D

Acq: 22 Nov 2022 23:26

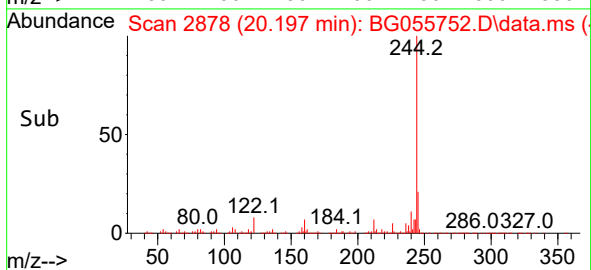
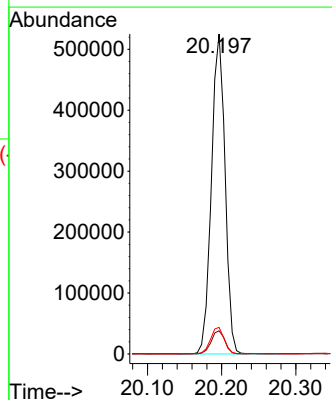
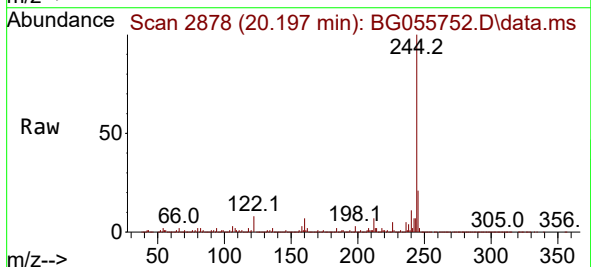
Tgt Ion:244 Resp: 668867

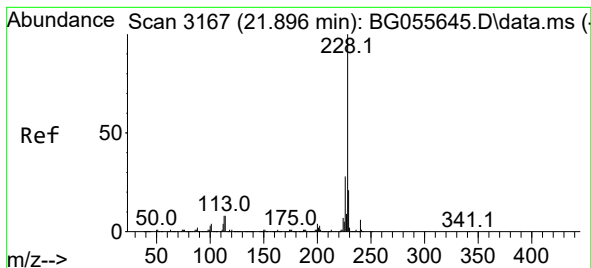
Ion Ratio Lower Upper

244 100

212 7.3 6.3 9.5

122 8.3 6.9 10.3





#81

Benzo(a)anthracene

Concen: 22.371 ng

RT: 21.889 min Scan# 3166

Delta R.T. 0.006 min

Lab File: BG055752.D

Acq: 22 Nov 2022 23:26

Instrument :

BNA_G

ClientSampleId :

MH-84

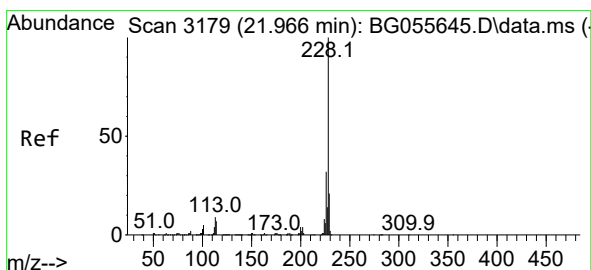
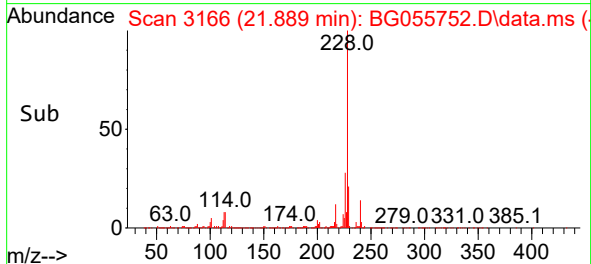
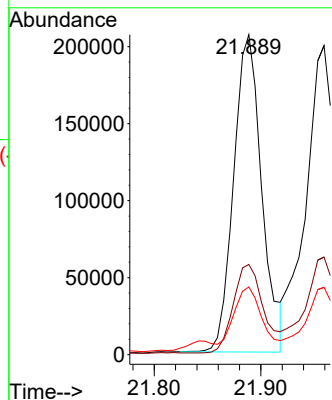
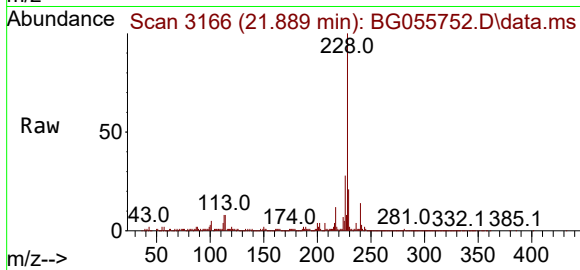
Tgt Ion:228 Resp: 377101

Ion Ratio Lower Upper

228 100

226 28.2 22.7 34.1

229 21.1 16.5 24.7



#83

Chrysene

Concen: 23.972 ng

RT: 21.959 min Scan# 3178

Delta R.T. 0.006 min

Lab File: BG055752.D

Acq: 22 Nov 2022 23:26

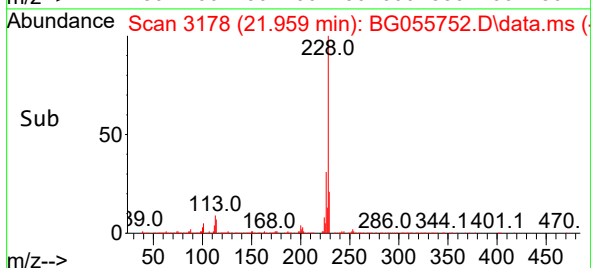
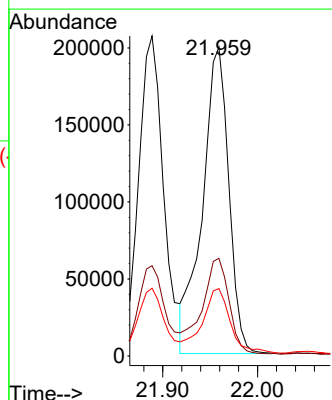
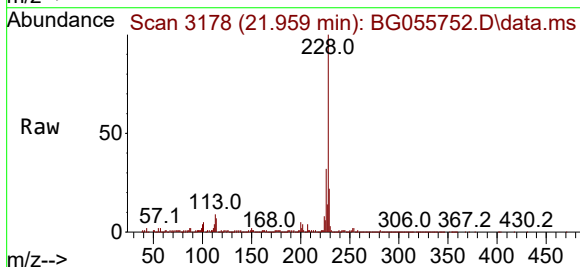
Tgt Ion:228 Resp: 384682

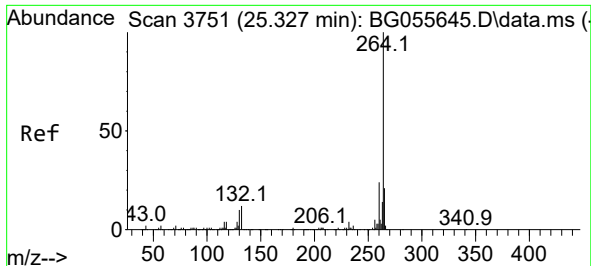
Ion Ratio Lower Upper

228 100

226 31.6 25.4 38.2

229 21.8 17.1 25.7



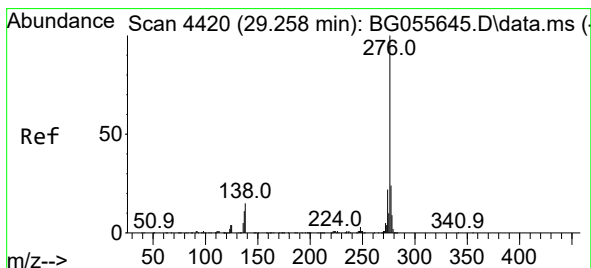
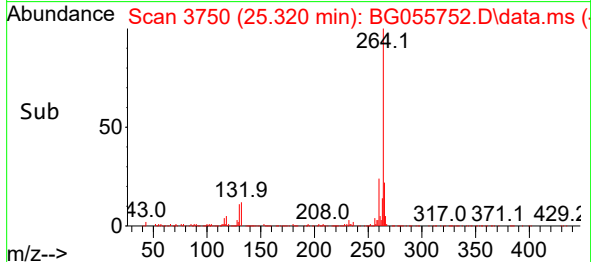
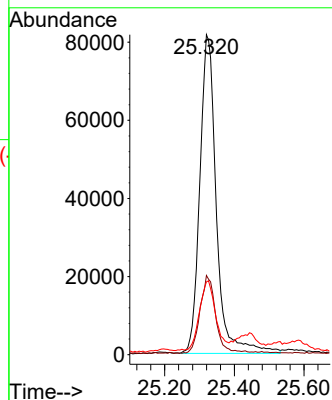
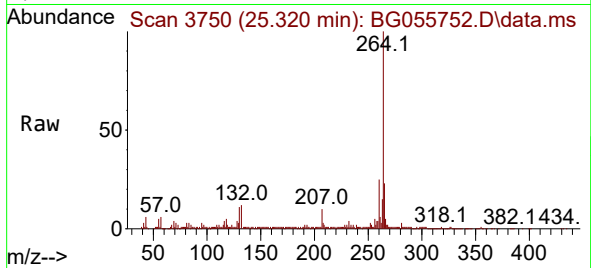


#86
Perylene-d12
Concen: 20.000 ng
RT: 25.320 min Scan# 31
Delta R.T. 0.018 min
Lab File: BG055752.D
Acq: 22 Nov 2022 23:26

Instrument :
BNA_G
ClientSampleId :
MH-84

Tgt Ion:264 Resp: 269200

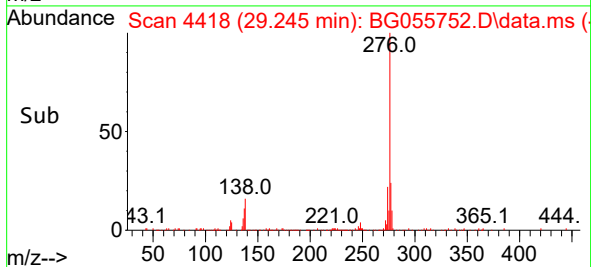
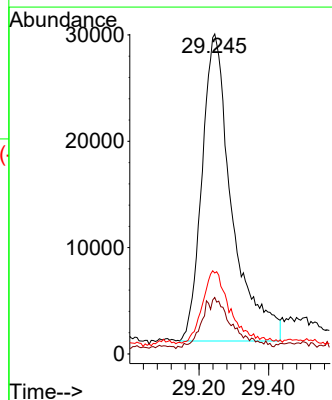
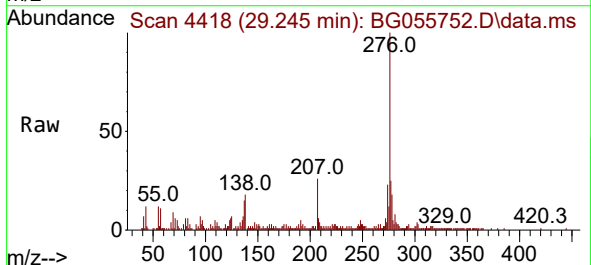
Ion	Ratio	Lower	Upper
264	100		
260	24.8	19.5	29.3
265	22.8	17.1	25.7

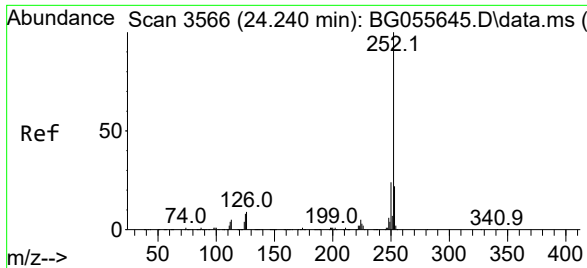


#87
Indeno(1,2,3-cd)pyrene
Concen: 7.817 ng
RT: 29.245 min Scan# 4418
Delta R.T. 0.012 min
Lab File: BG055752.D
Acq: 22 Nov 2022 23:26

Tgt Ion:276 Resp: 172386

Ion	Ratio	Lower	Upper
276	100		
138	0.0	10.4	15.6#
277	21.7	20.2	30.4

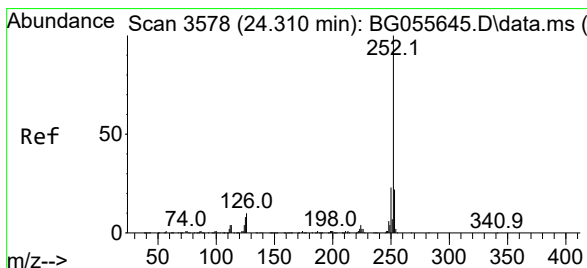
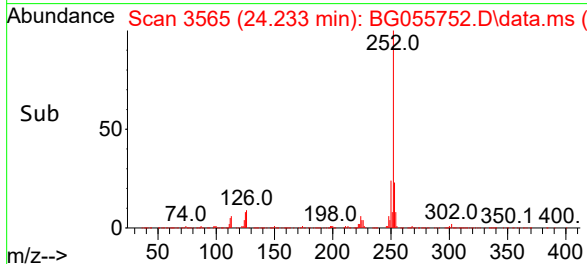
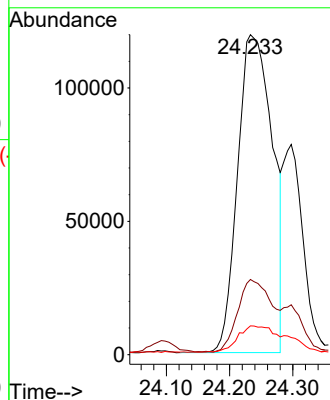
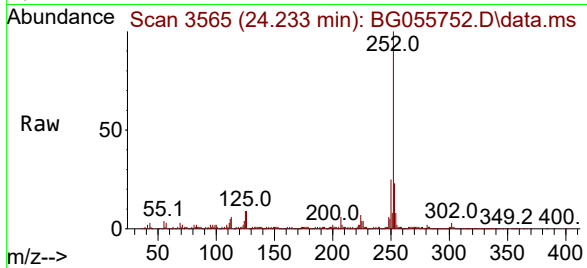




#88
Benzo(b)fluoranthene
Concen: 26.069 ng
RT: 24.233 min Scan# 3565
Delta R.T. 0.012 min
Lab File: BG055752.D
Acq: 22 Nov 2022 23:26

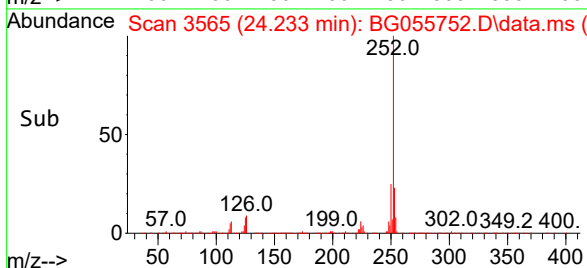
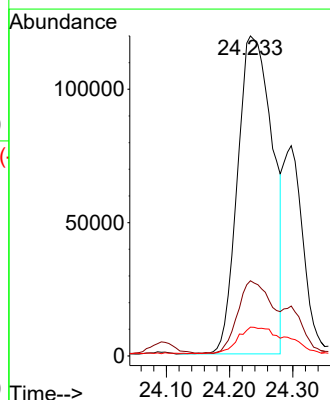
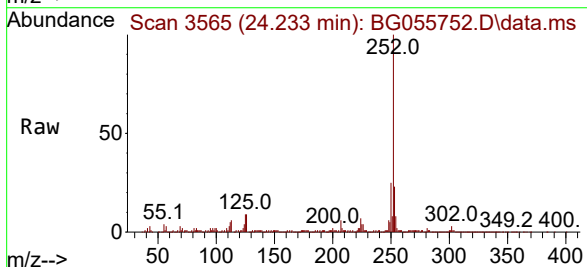
Instrument :
BNA_G
ClientSampleId :
MH-84

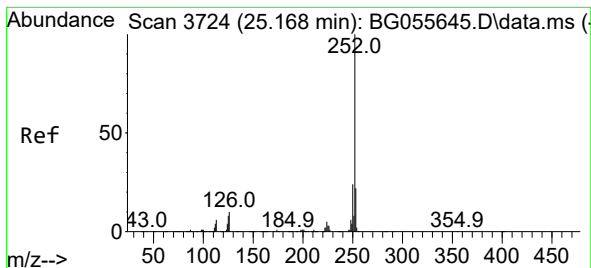
Tgt Ion:252 Resp: 457035
Ion Ratio Lower Upper
252 100
253 23.5 18.0 27.0
125 9.0 6.2 9.2



#89
Benzo(k)fluoranthene
Concen: 26.153 ng
RT: 24.233 min Scan# 3565
Delta R.T. -0.059 min
Lab File: BG055752.D
Acq: 22 Nov 2022 23:26

Tgt Ion:252 Resp: 457035
Ion Ratio Lower Upper
252 100
253 23.5 17.8 26.6
125 9.0 6.1 9.1





#90

Benzo(a)pyrene

Concen: 23.610 ng

RT: 25.161 min Scan# 31

Delta R.T. 0.012 min

Lab File: BG055752.D

Acq: 22 Nov 2022 23:26

Instrument :

BNA_G

ClientSampleId :

MH-84

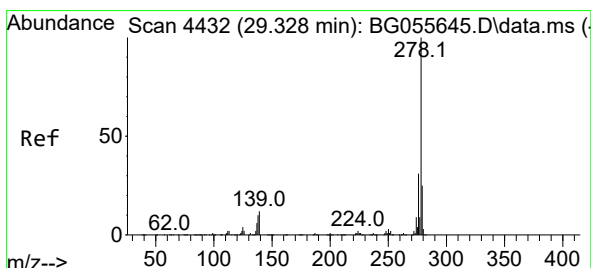
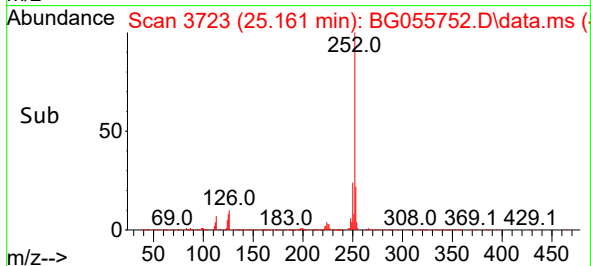
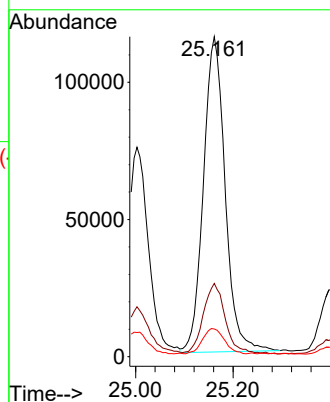
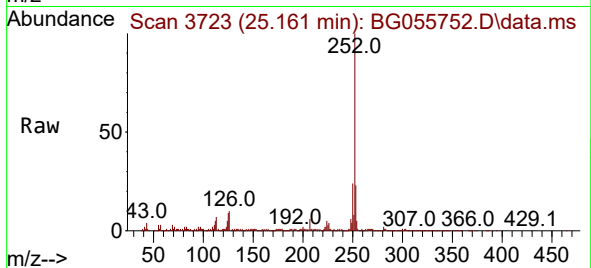
Tgt Ion:252 Resp: 355198

Ion Ratio Lower Upper

252 100

253 22.9 17.8 26.6

125 8.7 6.4 9.6



#91

Dibenzo(a,h)anthracene

Concen: 2.508 ng

RT: 29.298 min Scan# 4427

Delta R.T. 0.006 min

Lab File: BG055752.D

Acq: 22 Nov 2022 23:26

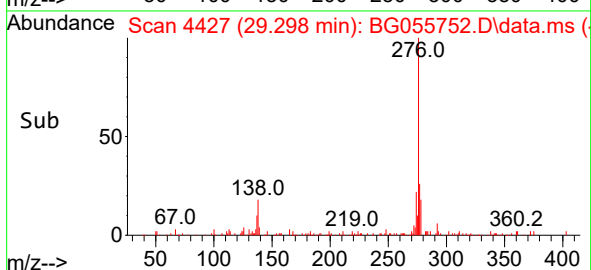
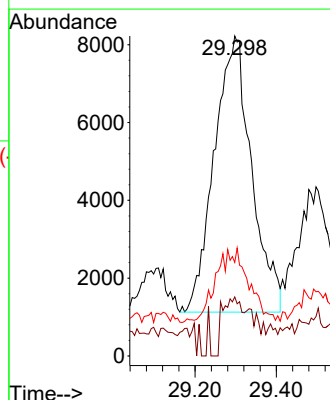
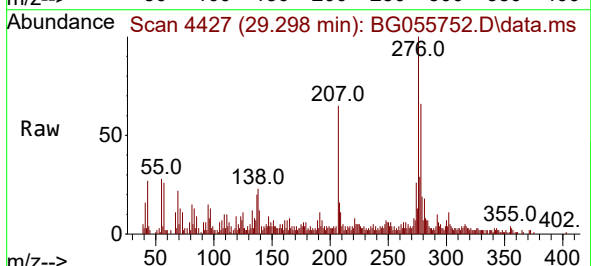
Tgt Ion:278 Resp: 45207

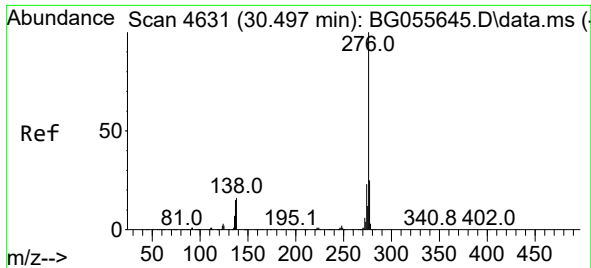
Ion Ratio Lower Upper

278 100

139 18.5 9.8 14.8#

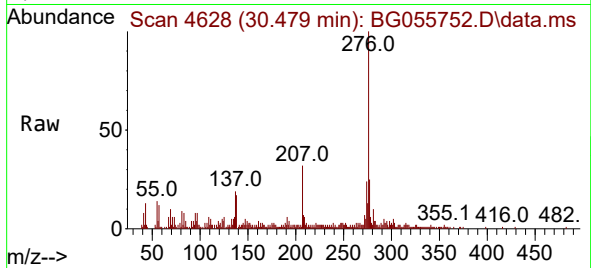
279 29.3 19.8 29.6





#92
Benzo(g,h,i)perylene
Concen: 8.490 ng
RT: 30.479 min Scan# 4
Delta R.T. 0.018 min
Lab File: BG055752.D
Acq: 22 Nov 2022 23:26

Instrument :
BNA_G
ClientSampleId :
MH-84



Tgt Ion:276 Resp: 154208
Ion Ratio Lower Upper
276 100
277 24.6 19.8 29.6
138 16.7 13.1 19.7

