

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG120122\
 Data File : BG055858.D
 Acq On : 1 Dec 2022 16:37
 Operator : CG/JU
 Sample : N5823-01
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 OE-2-113022

Quant Time: Dec 02 04:09:58 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG111622.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Dec 02 04:07:17 2022
 Response via : Initial Calibration

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

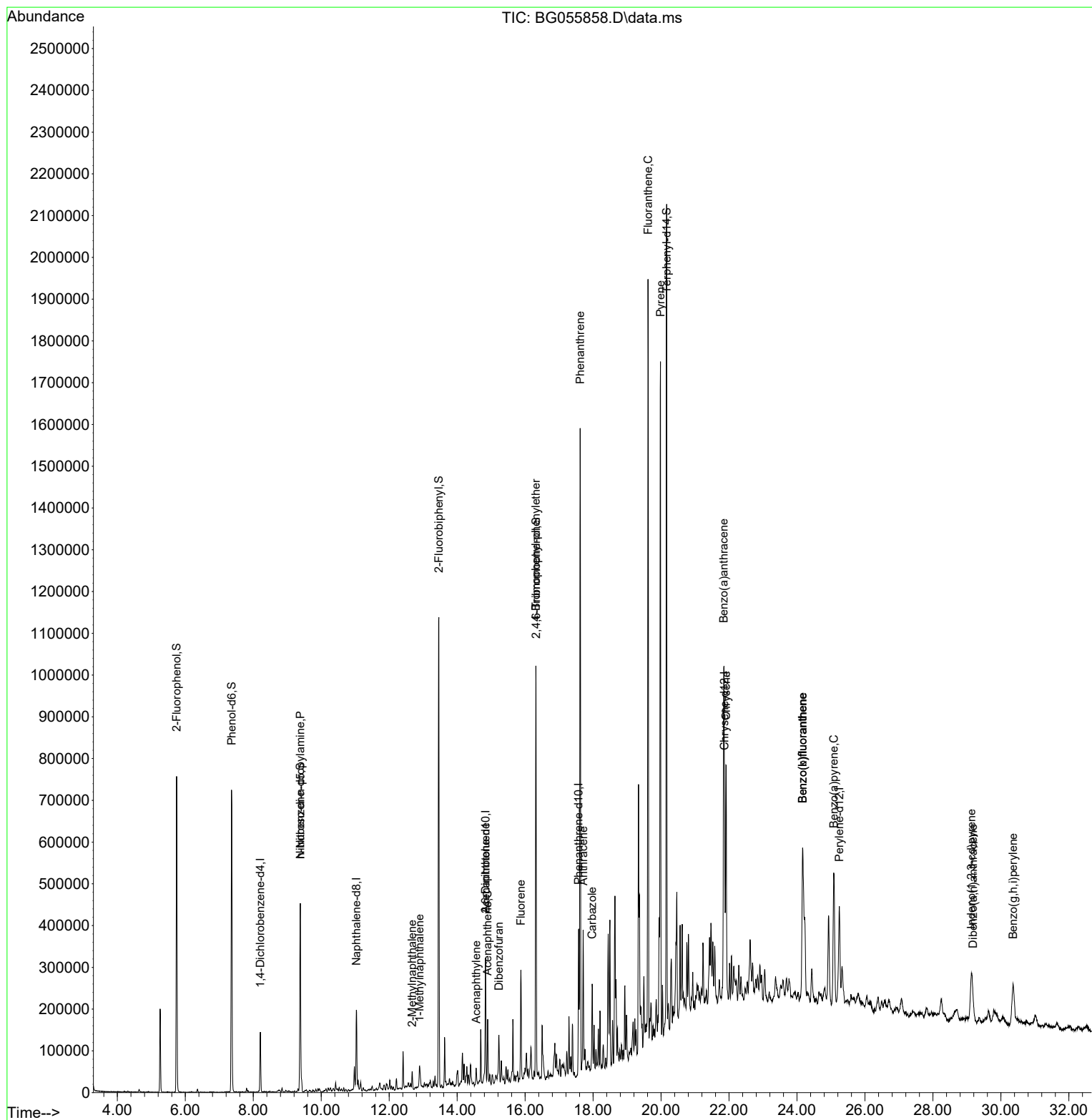
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.207	152	40875	20.000	ng	0.00
21) Naphthalene-d8	11.033	136	162280	20.000	ng	0.00
39) Acenaphthene-d10	14.834	164	108775	20.000	ng	0.00
64) Phenanthrene-d10	17.572	188	241040	20.000	ng	0.00
76) Chrysene-d12	21.867	240	232314	20.000	ng	0.00
86) Perylene-d12	25.245	264	251653	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.745	112	323069	142.863	ng	0.00
7) Phenol-d6	7.360	99	413055	137.215	ng	0.00
23) Nitrobenzene-d5	9.382	82	262346	85.446	ng	0.00
42) 2,4,6-Tribromophenol	16.321	330	201884	131.804	ng	0.00
45) 2-Fluorobiphenyl	13.459	172	613930	84.555	ng	0.00
79) Terphenyl-d14	20.163	244	997573	85.887	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	9.382	70	37314	16.133	ng	# 76
37) 2-Methylnaphthalene	12.678	142	19844	3.021	ng	97
38) 1-Methylnaphthalene	12.889	142	25225	3.956	ng	93
49) Acenaphthylene	14.558	152	20928	2.063	ng	# 94
51) 2,6-Dinitrotoluene	14.834	165	16868	9.514	ng	# 27
52) Acenaphthene	14.893	154	54296	8.188	ng	93
55) Dibenzofuran	15.228	168	58695	5.738	ng	98
58) Fluorene	15.874	166	122082	14.943	ng	98
67) 4-Bromophenyl-phenylether	16.315	248	13019	4.740	ng	# 1
71) Phenanthrene	17.619	178	991712	76.241	ng	99
72) Anthracene	17.707	178	220614	17.456	ng	99
73) Carbazole	17.972	167	131803	11.601	ng	99
75) Fluoranthene	19.617	202	1168043	73.812	ng	98
78) Pyrene	19.981	202	1061583	67.510	ng	97
81) Benzo(a)anthracene	21.843	228	505096	31.567	ng	98
83) Chrysene	21.908	228	446486	29.311	ng	99
87) Indeno(1,2,3-cd)pyrene	29.129	276	224905	10.909	ng	# 98
88) Benzo(b)fluoranthene	24.164	252	492991	30.081	ng	97
89) Benzo(k)fluoranthene	24.164	252	492991	30.177	ng	97
90) Benzo(a)pyrene	25.081	252	388262	27.607	ng	98
91) Dibenzo(a,h)anthracene	29.176	278	62060	3.684	ng	# 88
92) Benzo(g,h,i)perylene	30.357	276	215542	12.694	ng	98

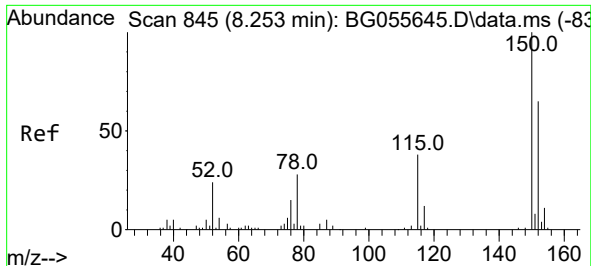
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Fri Dec 02 04:07:17 2022
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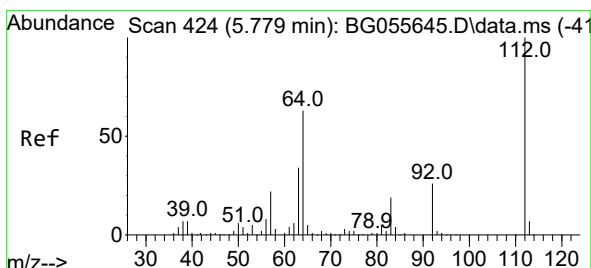
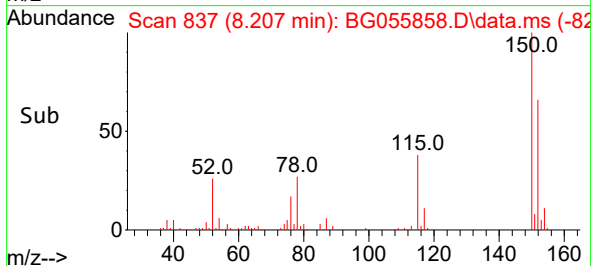
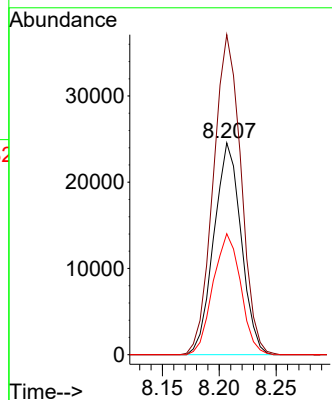
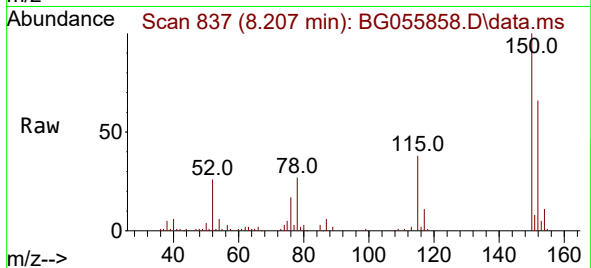




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.207 min Scan# 81
Delta R.T. 0.002 min
Lab File: BG055858.D
Acq: 1 Dec 2022 16:37

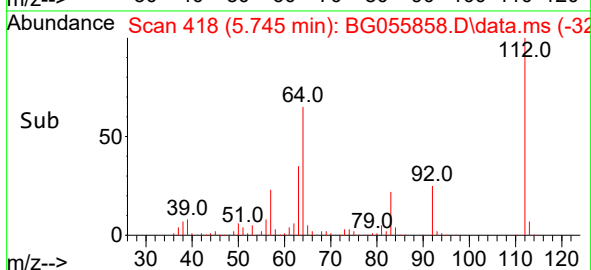
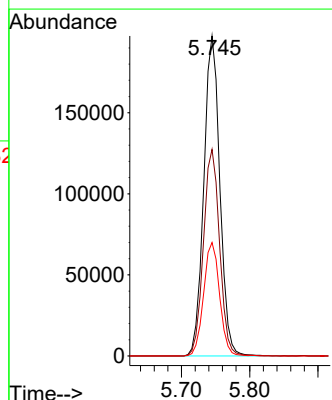
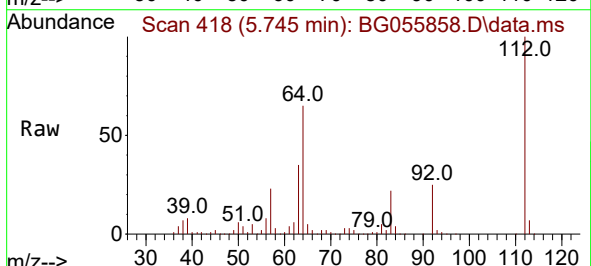
Instrument :
BNA_G
ClientSampleId :
OE-2-113022

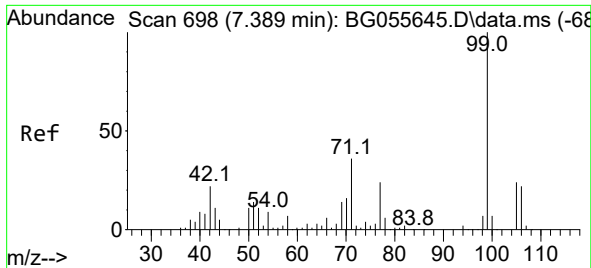
Tgt Ion:152 Resp: 40875
Ion Ratio Lower Upper
152 100
150 151.0 123.0 184.6
115 57.1 47.0 70.4



#5
2-Fluorophenol
Concen: 142.863 ng
RT: 5.745 min Scan# 418
Delta R.T. 0.007 min
Lab File: BG055858.D
Acq: 1 Dec 2022 16:37

Tgt Ion:112 Resp: 323069
Ion Ratio Lower Upper
112 100
64 64.6 50.6 76.0
63 35.4 27.5 41.3

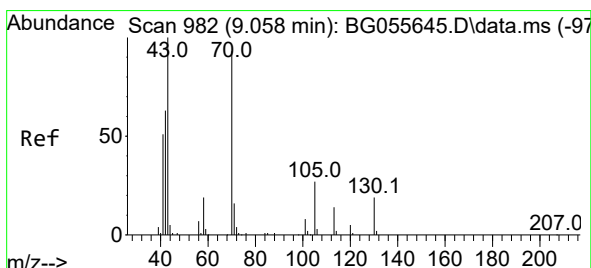
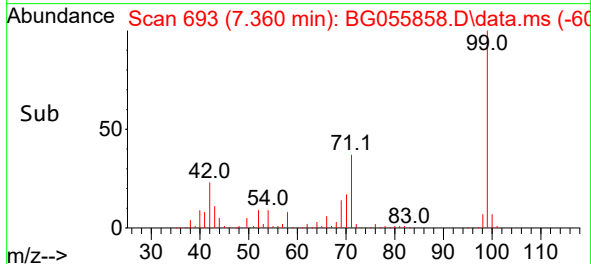
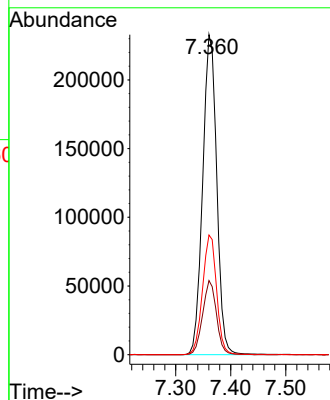
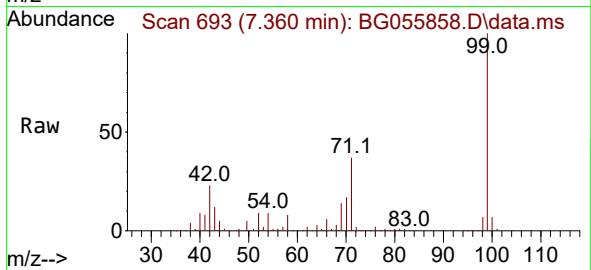




#7
Phenol-d6
Concen: 137.215 ng
RT: 7.360 min Scan# 698
Delta R.T. 0.001 min
Lab File: BG055858.D
Acq: 1 Dec 2022 16:37

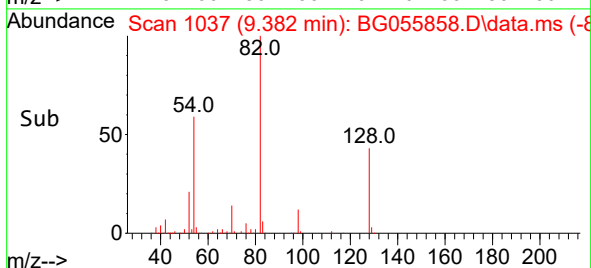
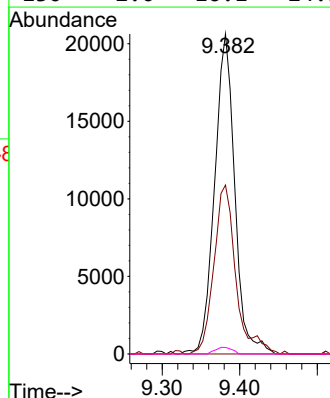
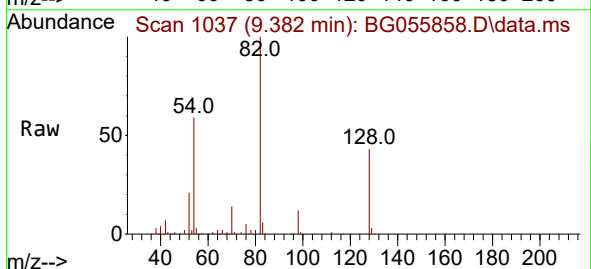
Instrument :
BNA_G
ClientSampleId :
OE-2-113022

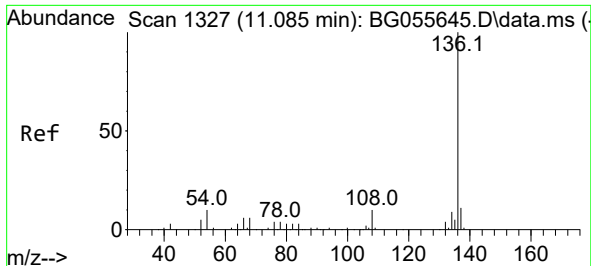
Tgt Ion: 99 Resp: 413055
Ion Ratio Lower Upper
99 100
42 23.2 18.0 27.0
71 37.4 29.0 43.6



#19
n-Nitroso-di-n-propylamine
Concen: 16.133 ng
RT: 9.382 min Scan# 1037
Delta R.T. 0.371 min
Lab File: BG055858.D
Acq: 1 Dec 2022 16:37

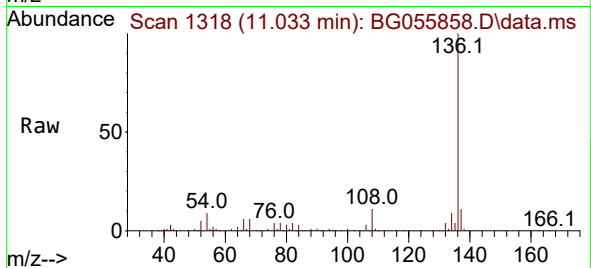
Tgt Ion: 70 Resp: 37314
Ion Ratio Lower Upper
70 100
42 52.8 55.2 82.8#
101 0.0 7.1 10.7#
130 2.0 16.1 24.1#



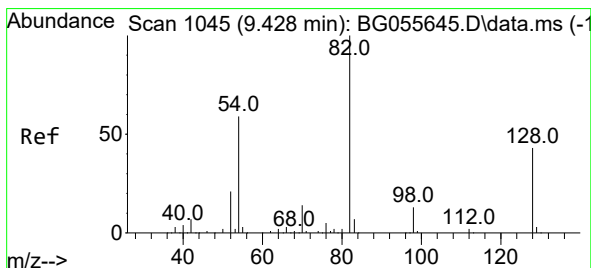
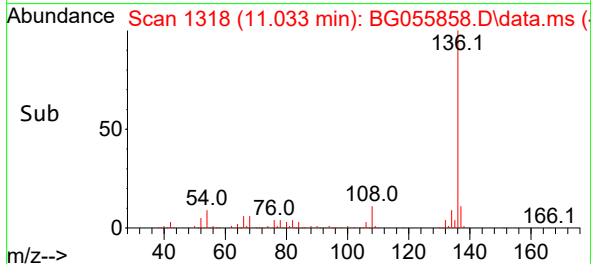
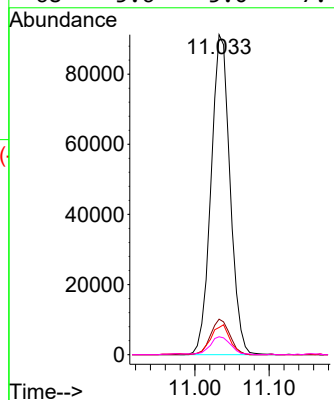


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.033 min Scan# 11
Delta R.T. -0.005 min
Lab File: BG055858.D
Acq: 1 Dec 2022 16:37

Instrument :
BNA_G
ClientSampleId :
OE-2-113022

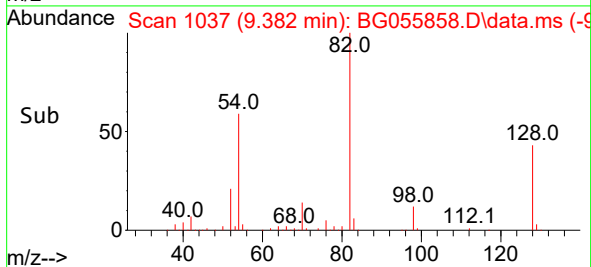
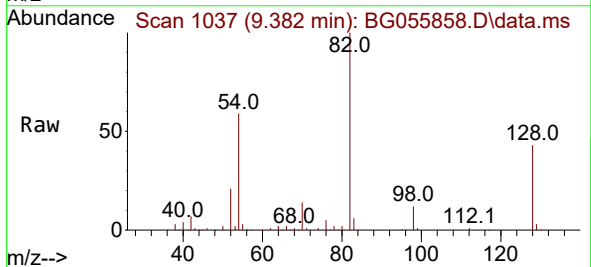
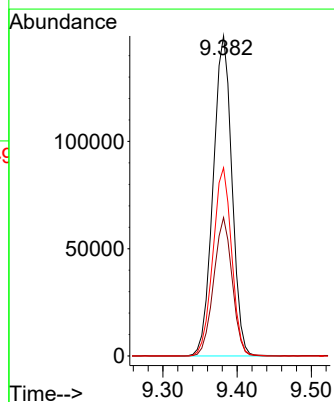


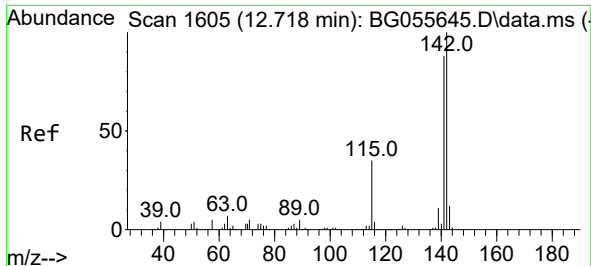
Tgt Ion:	136	Resp:	162280
Ion Ratio	Lower	Upper	
136	100		
137	11.1	9.0	13.6
54	8.5	7.8	11.6
68	5.6	5.0	7.4



#23
Nitrobenzene-d5
Concen: 85.446 ng
RT: 9.382 min Scan# 1037
Delta R.T. -0.005 min
Lab File: BG055858.D
Acq: 1 Dec 2022 16:37

Tgt Ion:	82	Resp:	262346
Ion Ratio	Lower	Upper	
82	100		
128	43.2	34.1	51.1
54	58.8	47.3	70.9





#37

2-Methylnaphthalene

Concen: 3.021 ng

RT: 12.678 min Scan# 11

Delta R.T. -0.005 min

Lab File: BG055858.D

Acq: 1 Dec 2022 16:37

Instrument :

BNA_G

ClientSampleId :

OE-2-113022

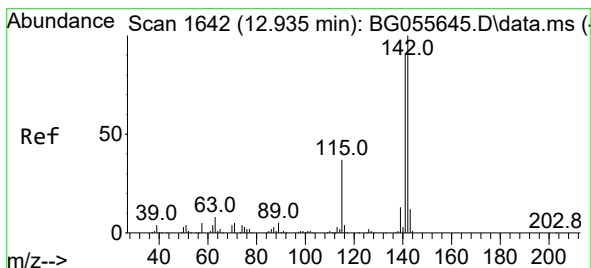
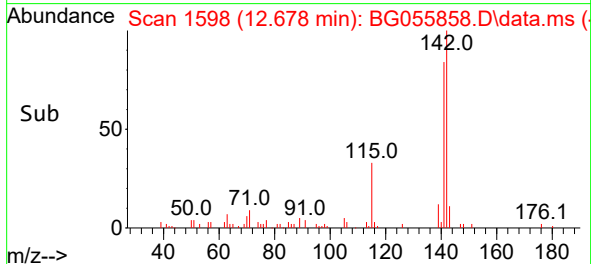
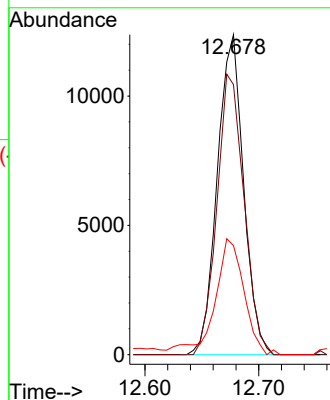
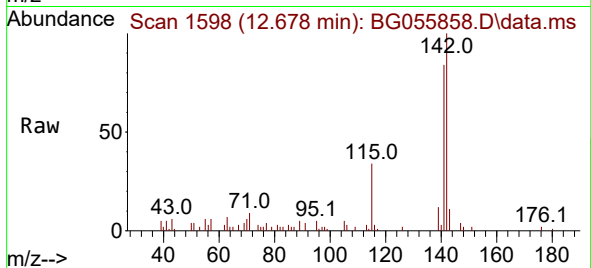
Tgt Ion:142 Resp: 19844

Ion Ratio Lower Upper

142 100

141 84.4 70.3 105.5

115 34.1 27.9 41.9



#38

1-Methylnaphthalene

Concen: 3.956 ng

RT: 12.889 min Scan# 1634

Delta R.T. -0.005 min

Lab File: BG055858.D

Acq: 1 Dec 2022 16:37

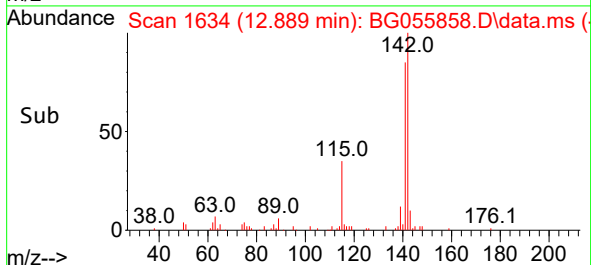
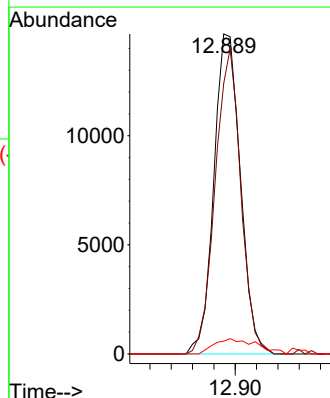
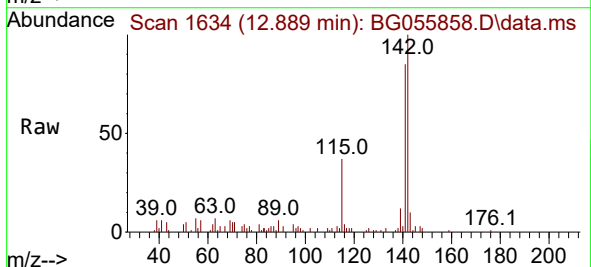
Tgt Ion:142 Resp: 25225

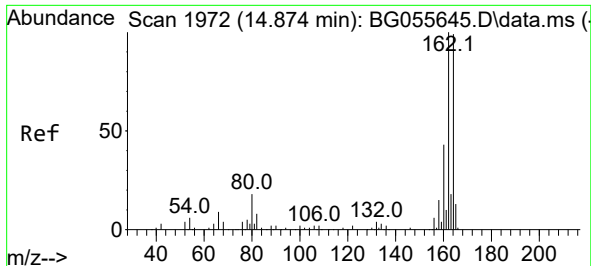
Ion Ratio Lower Upper

142 100

141 84.6 73.0 109.4

116 4.0 3.1 4.7

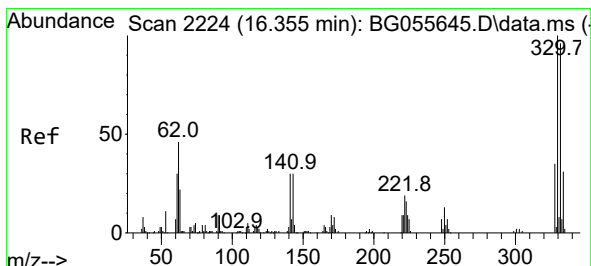
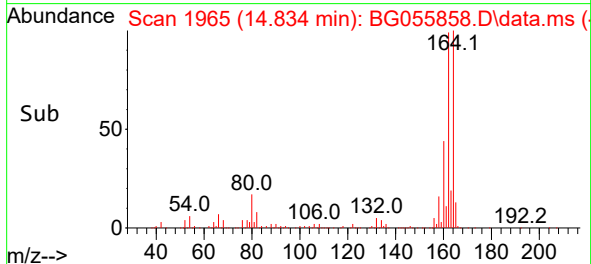
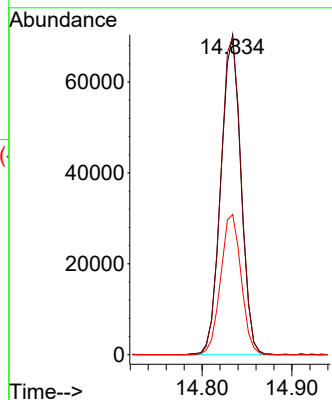
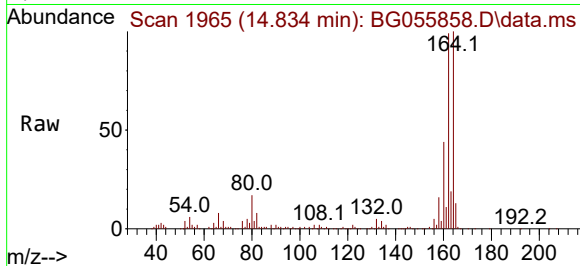




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.834 min Scan# 1972
Delta R.T. -0.005 min
Lab File: BG055858.D
Acq: 1 Dec 2022 16:37

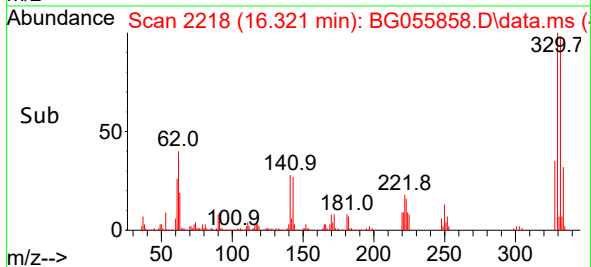
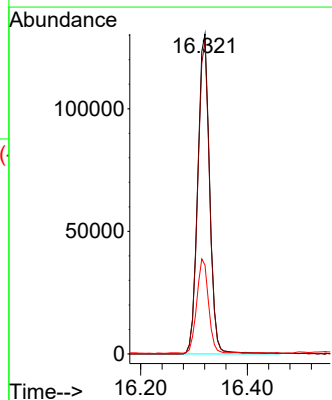
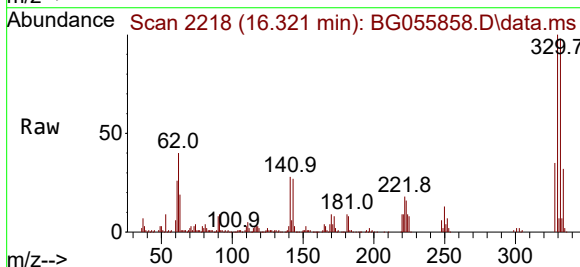
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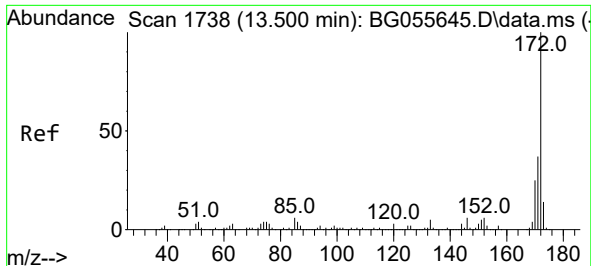
Tgt Ion:164 Resp: 108775
Ion Ratio Lower Upper
164 100
162 99.3 81.1 121.7
160 43.8 34.8 52.2



#42
2,4,6-Tribromophenol
Concen: 131.804 ng
RT: 16.321 min Scan# 2218
Delta R.T. -0.005 min
Lab File: BG055858.D
Acq: 1 Dec 2022 16:37

Tgt Ion:330 Resp: 201884
Ion Ratio Lower Upper
330 100
332 96.5 77.8 116.8
141 28.8 23.9 35.9

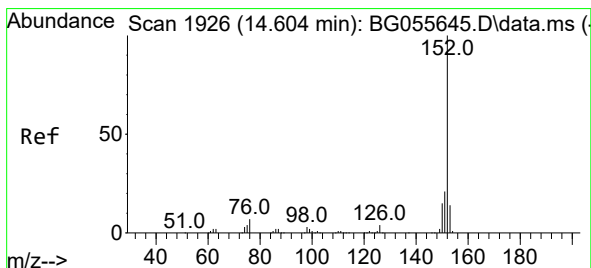
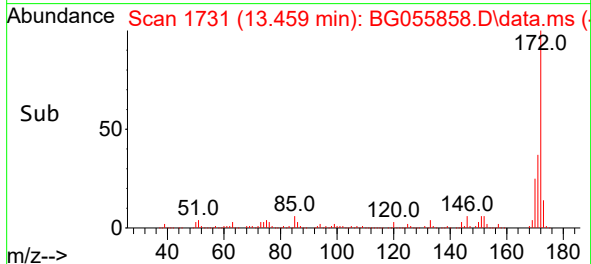
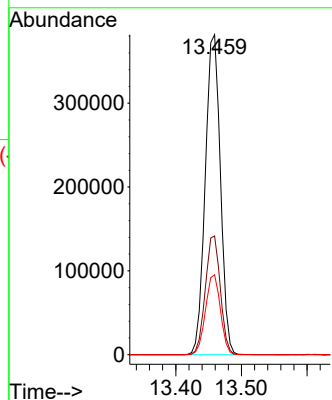
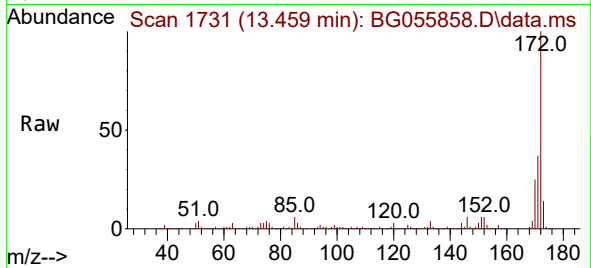




#45
2-Fluorobiphenyl
Concen: 84.555 ng
RT: 13.459 min Scan# 1731
Delta R.T. 0.001 min
Lab File: BG055858.D
Acq: 1 Dec 2022 16:37

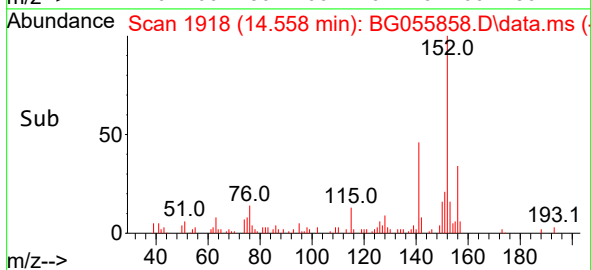
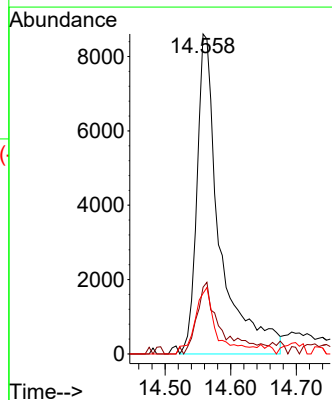
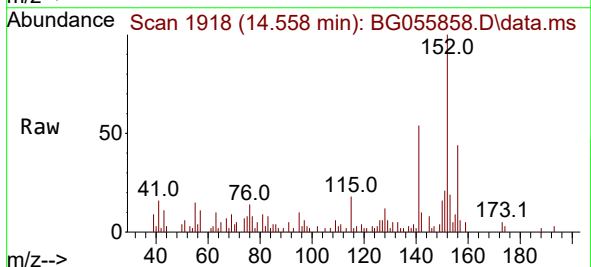
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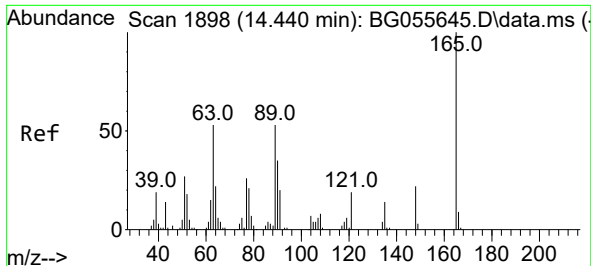
Tgt Ion:172 Resp: 613930
Ion Ratio Lower Upper
172 100
171 37.1 29.8 44.6
170 25.0 20.2 30.4



#49
Acenaphthylene
Concen: 2.063 ng
RT: 14.558 min Scan# 1918
Delta R.T. -0.005 min
Lab File: BG055858.D
Acq: 1 Dec 2022 16:37

Tgt Ion:152 Resp: 20928
Ion Ratio Lower Upper
152 100
151 20.9 16.4 24.6
153 18.9 11.0 16.4#

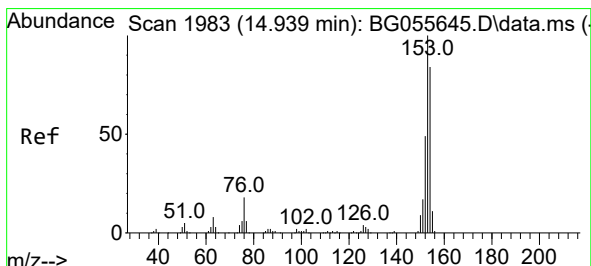
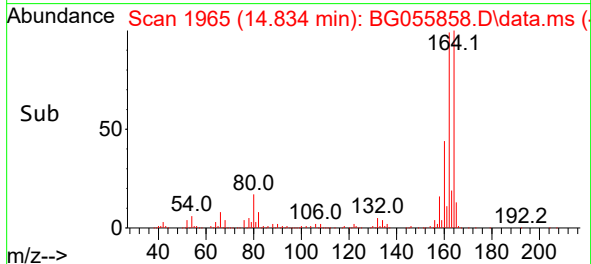
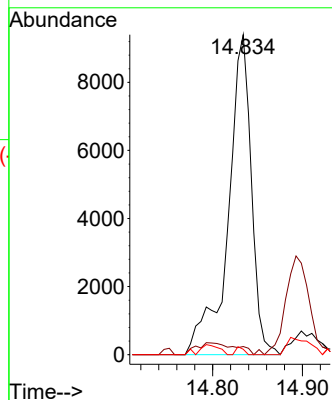
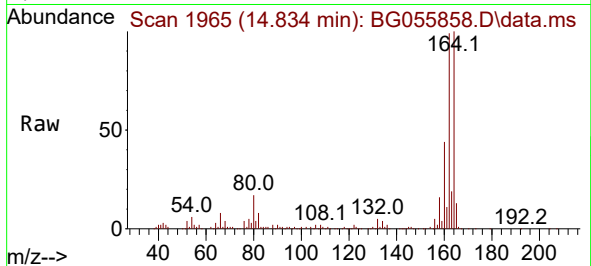




#51
2,6-Dinitrotoluene
Concen: 9.514 ng
RT: 14.834 min Scan# 1965
Delta R.T. 0.424 min
Lab File: BG055858.D
Acq: 1 Dec 2022 16:37

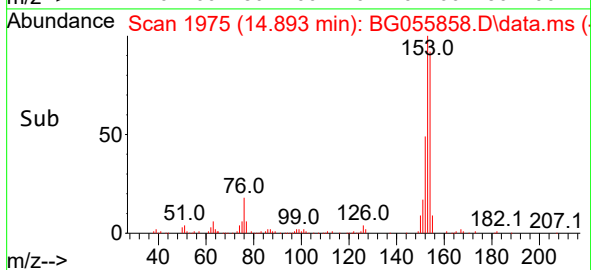
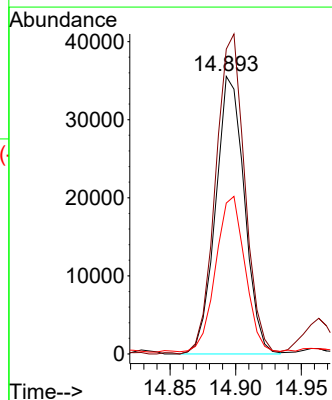
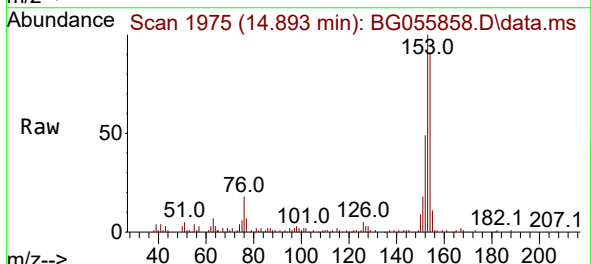
Instrument :
BNA_G
ClientSampleId :
OE-2-113022

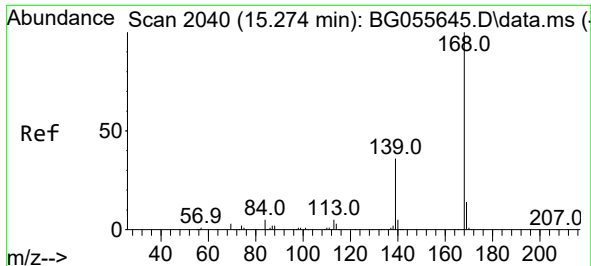
Tgt Ion:165 Resp: 16868
Ion Ratio Lower Upper
165 100
63 2.6 44.6 66.8#
89 1.7 42.2 63.4#



#52
Acenaphthene
Concen: 8.188 ng
RT: 14.893 min Scan# 1975
Delta R.T. -0.011 min
Lab File: BG055858.D
Acq: 1 Dec 2022 16:37

Tgt Ion:154 Resp: 54296
Ion Ratio Lower Upper
154 100
153 109.8 95.0 142.4
152 54.3 46.1 69.1

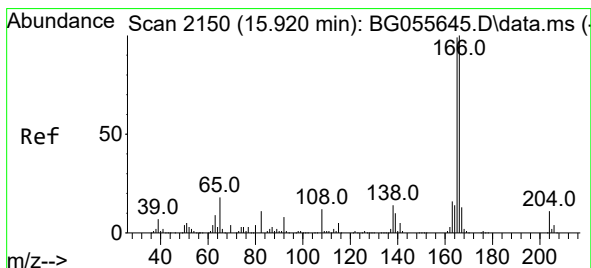
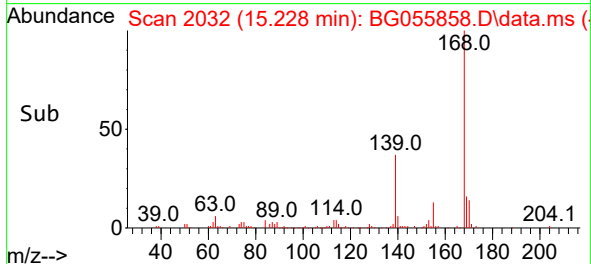
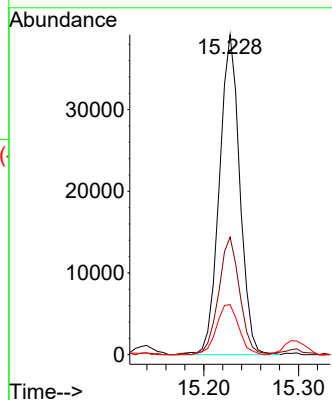
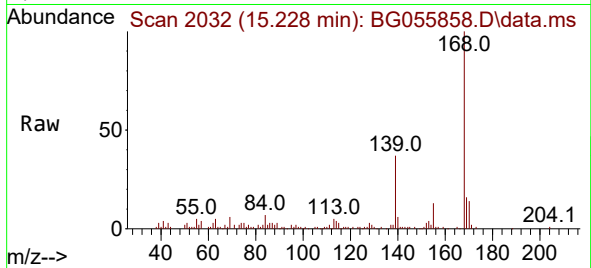




#55
Dibenzenofuran
Concen: 5.738 ng
RT: 15.228 min Scan# 2040
Delta R.T. -0.005 min
Lab File: BG055858.D
Acq: 1 Dec 2022 16:37

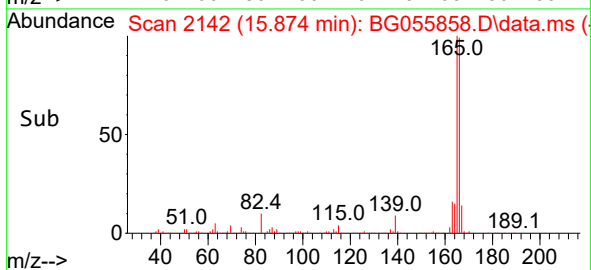
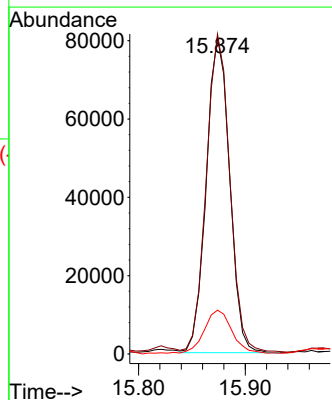
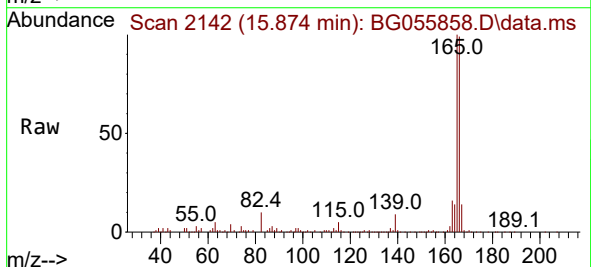
Instrument :
BNA_G
ClientSampleId :
OE-2-113022

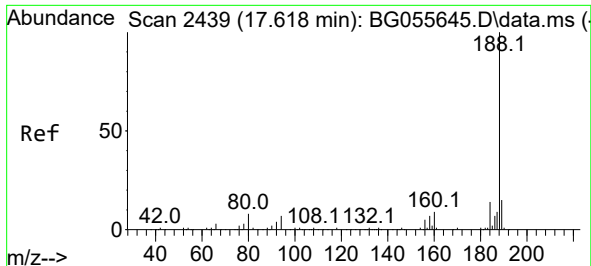
Tgt Ion:168 Resp: 58695
Ion Ratio Lower Upper
168 100
139 36.7 28.8 43.2
169 15.7 11.0 16.4



#58
Fluorene
Concen: 14.943 ng
RT: 15.874 min Scan# 2142
Delta R.T. -0.005 min
Lab File: BG055858.D
Acq: 1 Dec 2022 16:37

Tgt Ion:166 Resp: 122082
Ion Ratio Lower Upper
166 100
165 101.0 79.3 118.9
167 13.8 10.6 15.8

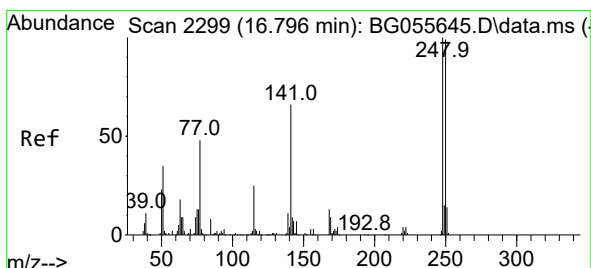
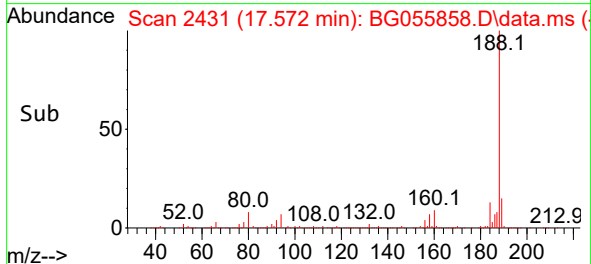
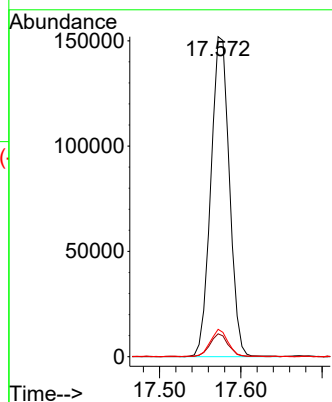
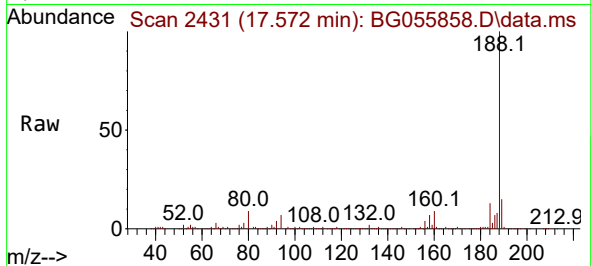




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.572 min Scan# 2439
Delta R.T. -0.005 min
Lab File: BG055858.D
Acq: 1 Dec 2022 16:37

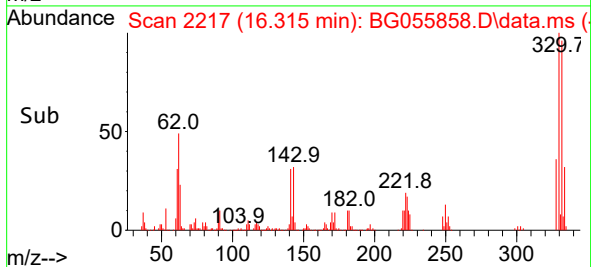
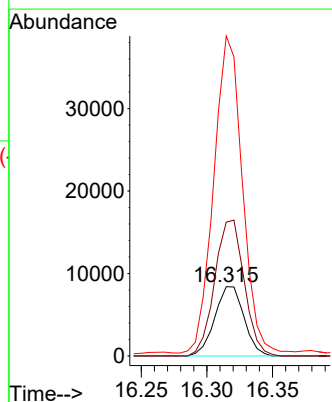
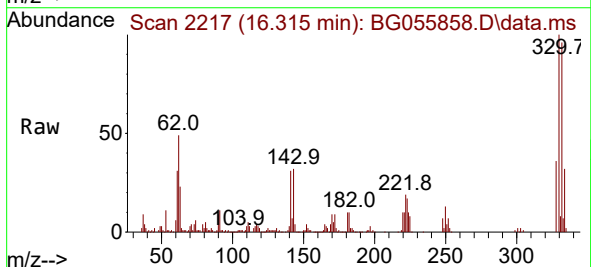
Instrument :
BNA_G
ClientSampleId :
OE-2-113022

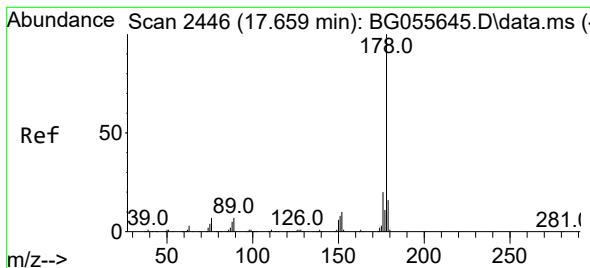
Tgt Ion:188 Resp: 241040
Ion Ratio Lower Upper
188 100
94 7.1 5.4 8.2
80 8.5 6.6 10.0



#67
4-Bromophenyl-phenylether
Concen: 4.740 ng
RT: 16.315 min Scan# 2217
Delta R.T. -0.440 min
Lab File: BG055858.D
Acq: 1 Dec 2022 16:37

Tgt Ion:248 Resp: 13019
Ion Ratio Lower Upper
248 100
250 193.3 79.0 118.4#
141 461.9 52.9 79.3#





#71

Phenanthrene

Concen: 76.241 ng

RT: 17.619 min Scan# 24

Delta R.T. -0.005 min

Lab File: BG055858.D

Acq: 1 Dec 2022 16:37

Instrument :

BNA_G

ClientSampleId :

OE-2-113022

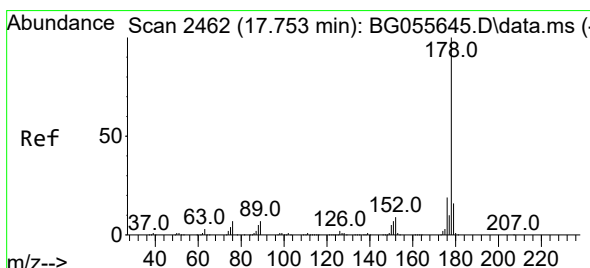
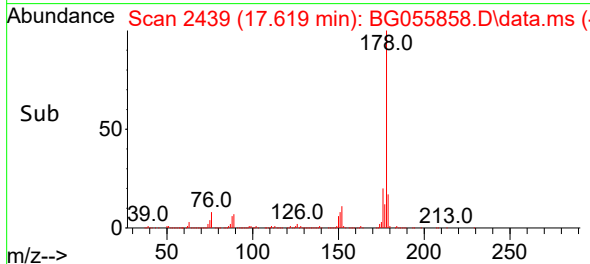
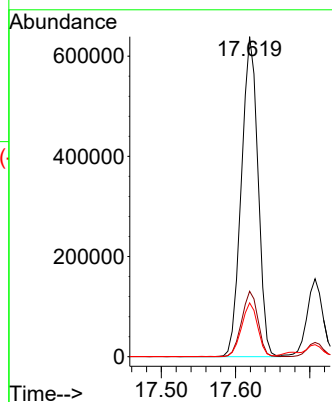
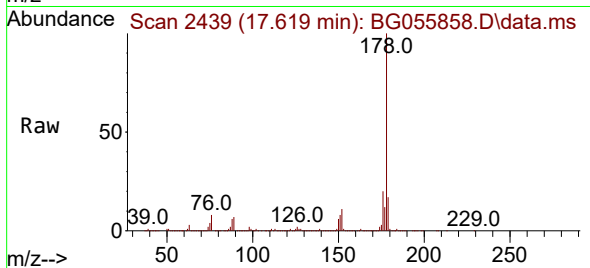
Tgt Ion:178 Resp: 991712

Ion Ratio Lower Upper

178 100

176 20.4 16.0 24.0

179 16.8 12.7 19.1



#72

Anthracene

Concen: 17.456 ng

RT: 17.707 min Scan# 2454

Delta R.T. -0.005 min

Lab File: BG055858.D

Acq: 1 Dec 2022 16:37

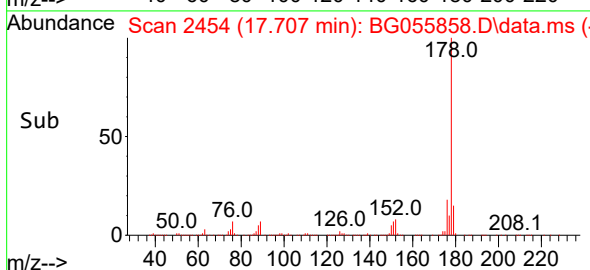
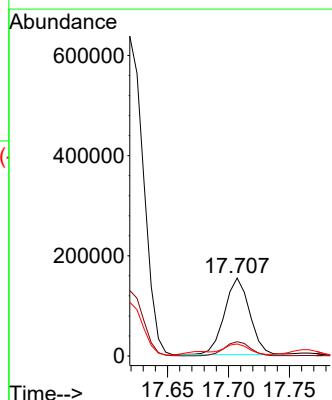
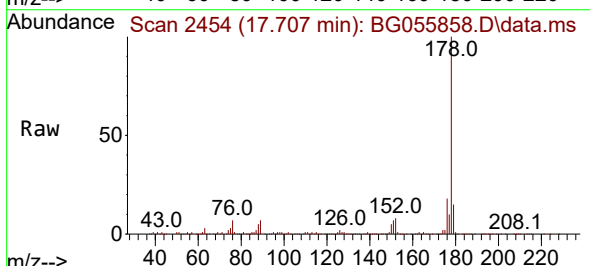
Tgt Ion:178 Resp: 220614

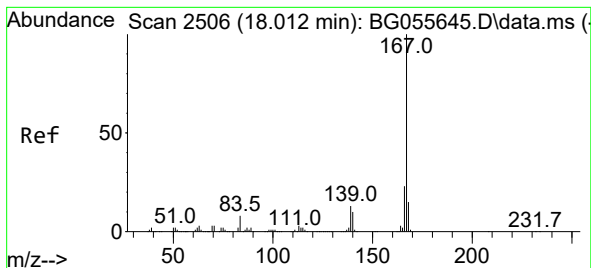
Ion Ratio Lower Upper

178 100

176 18.4 15.5 23.3

179 15.5 12.5 18.7





#73

Carbazole

Concen: 11.601 ng

RT: 17.972 min Scan# 2499

Delta R.T. -0.005 min

Lab File: BG055858.D

Acq: 1 Dec 2022 16:37

Instrument :

BNA_G

ClientSampleId :

OE-2-113022

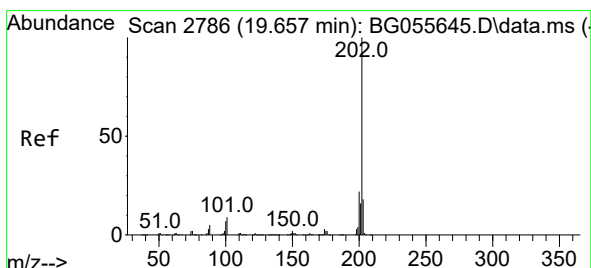
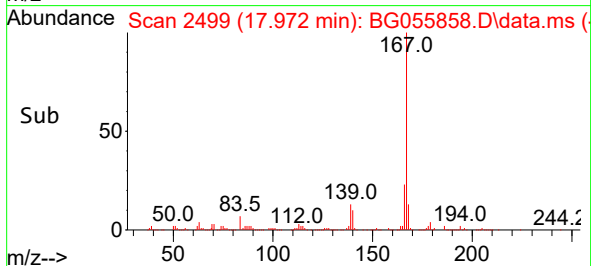
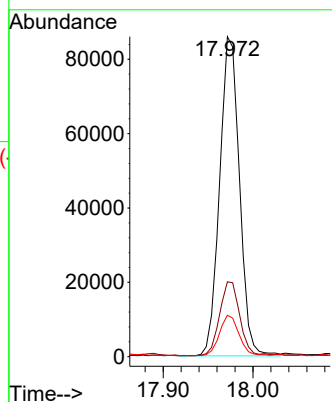
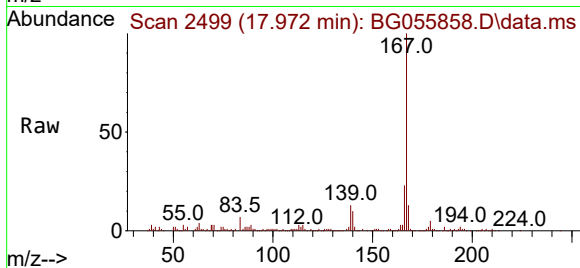
Tgt Ion:167 Resp: 131803

Ion Ratio Lower Upper

167 100

166 23.4 18.2 27.2

139 12.9 10.2 15.4



#75

Fluoranthene

Concen: 73.812 ng

RT: 19.617 min Scan# 2779

Delta R.T. 0.001 min

Lab File: BG055858.D

Acq: 1 Dec 2022 16:37

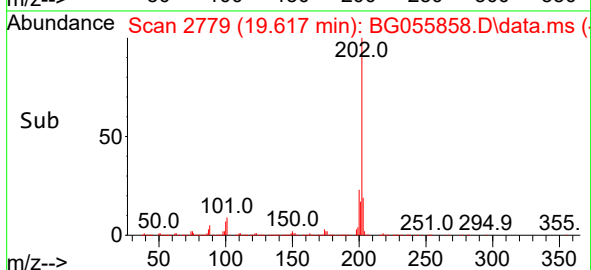
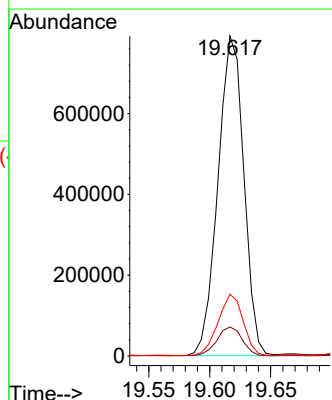
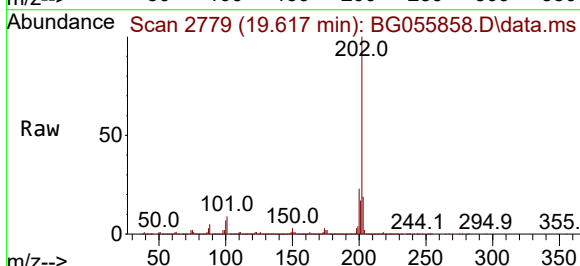
Tgt Ion:202 Resp: 1168043

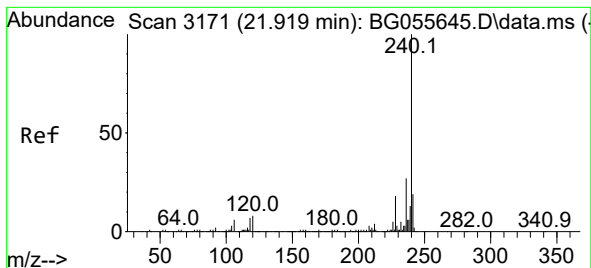
Ion Ratio Lower Upper

202 100

101 9.1 0.0 28.8

203 19.3 0.0 38.1





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.867 min Scan# 3171

Delta R.T. 0.001 min

Lab File: BG055858.D

Acq: 1 Dec 2022 16:37

Instrument :

BNA_G

ClientSampleId :

OE-2-113022

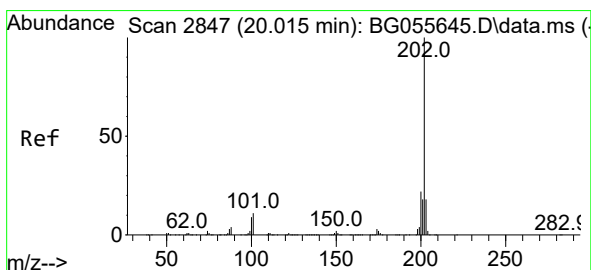
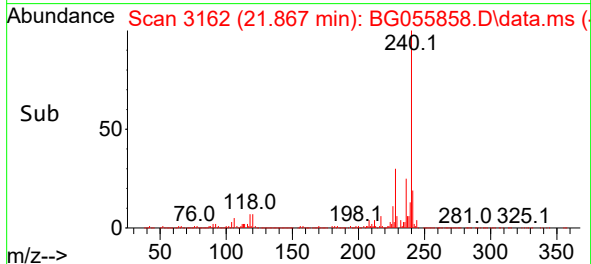
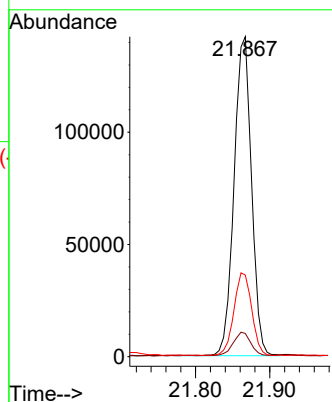
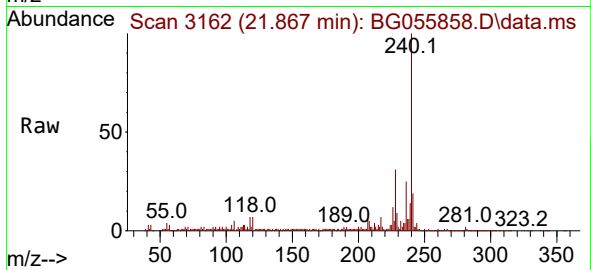
Tgt Ion:240 Resp: 232314

Ion Ratio Lower Upper

240 100

120 7.2 6.3 9.5

236 25.5 21.9 32.9



#78

Pyrene

Concen: 67.510 ng

RT: 19.981 min Scan# 2841

Delta R.T. 0.001 min

Lab File: BG055858.D

Acq: 1 Dec 2022 16:37

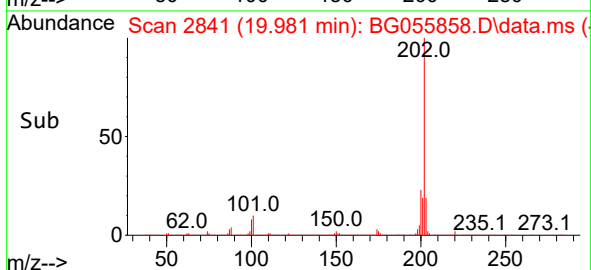
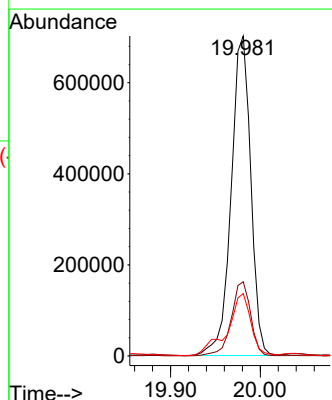
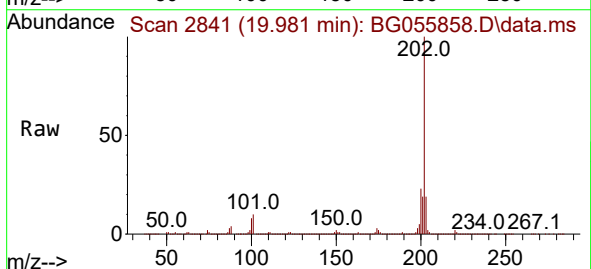
Tgt Ion:202 Resp: 1061583

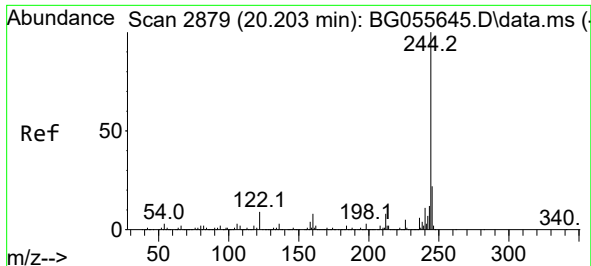
Ion Ratio Lower Upper

202 100

200 23.2 17.8 26.6

203 19.5 14.4 21.6

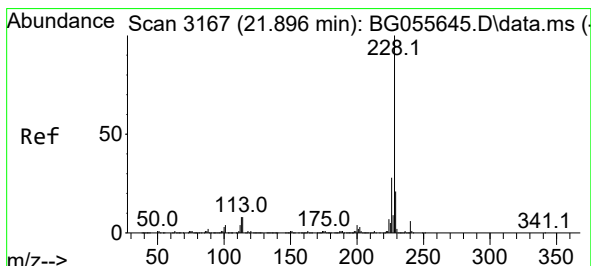
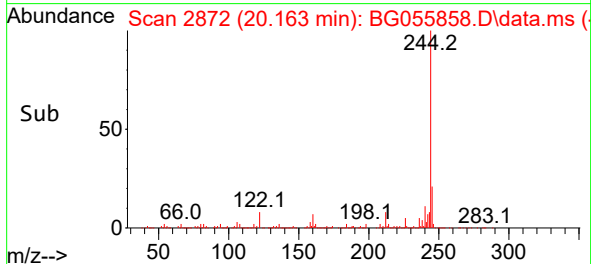
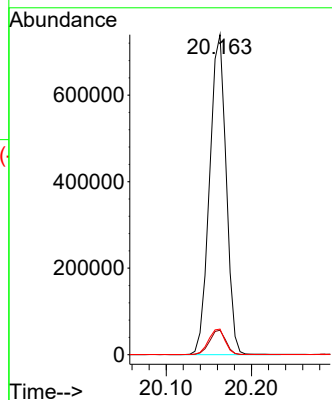
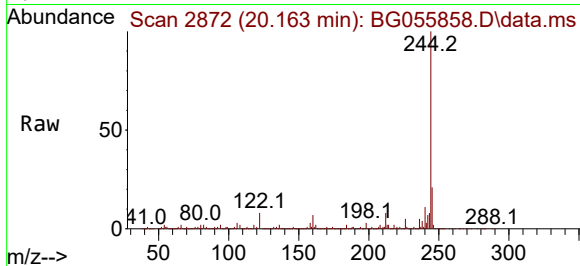




#79
 Terphenyl-d14
 Concen: 85.887 ng
 RT: 20.163 min Scan# 21
 Delta R.T. 0.001 min
 Lab File: BG055858.D
 Acq: 1 Dec 2022 16:37

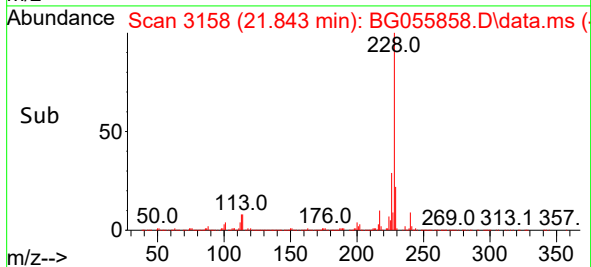
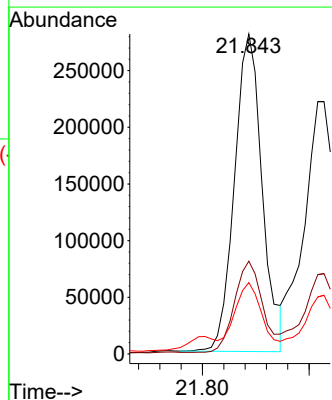
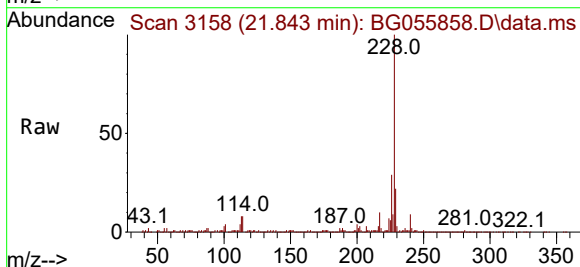
Instrument :
 BNA_G
 ClientSampleId :
 OE-2-113022

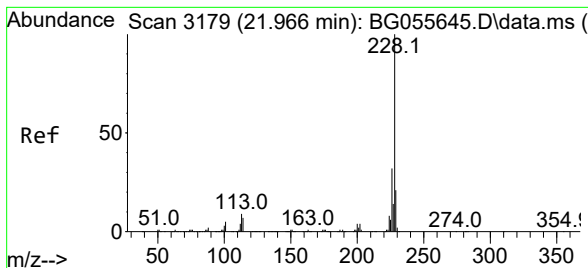
Tgt Ion:244 Resp: 997573
 Ion Ratio Lower Upper
 244 100
 212 7.7 6.3 9.5
 122 8.0 6.9 10.3



#81
 Benzo(a)anthracene
 Concen: 31.567 ng
 RT: 21.843 min Scan# 3158
 Delta R.T. -0.005 min
 Lab File: BG055858.D
 Acq: 1 Dec 2022 16:37

Tgt Ion:228 Resp: 505096
 Ion Ratio Lower Upper
 228 100
 226 29.0 22.7 34.1
 229 22.3 16.5 24.7





#83

Chrysene

Concen: 29.311 ng

RT: 21.908 min Scan# 31

Delta R.T. -0.011 min

Lab File: BG055858.D

Acq: 1 Dec 2022 16:37

Instrument :

BNA_G

ClientSampleId :

OE-2-113022

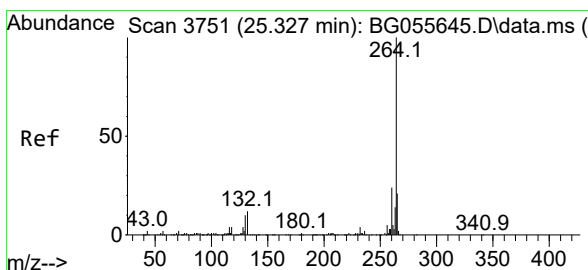
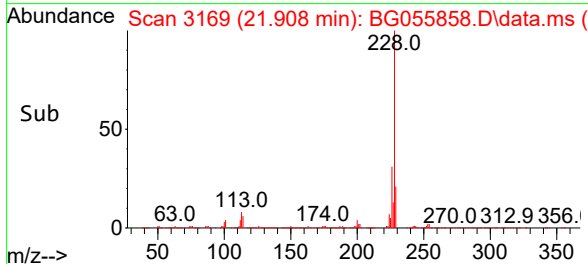
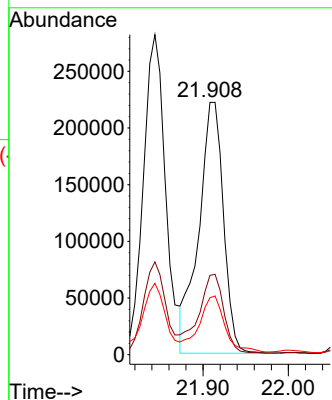
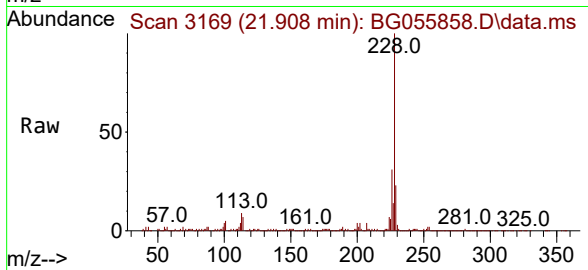
Tgt Ion:228 Resp: 446486

Ion Ratio Lower Upper

228 100

226 31.4 25.4 38.2

229 22.6 17.1 25.7



#86

Perylene-d12

Concen: 20.000 ng

RT: 25.245 min Scan# 3737

Delta R.T. -0.005 min

Lab File: BG055858.D

Acq: 1 Dec 2022 16:37

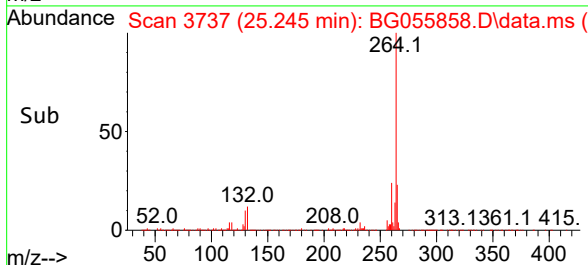
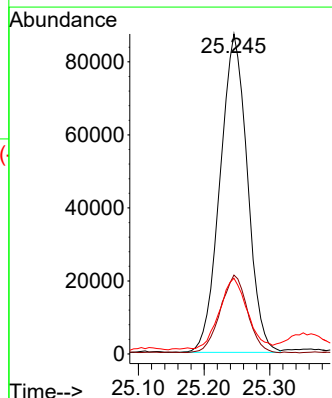
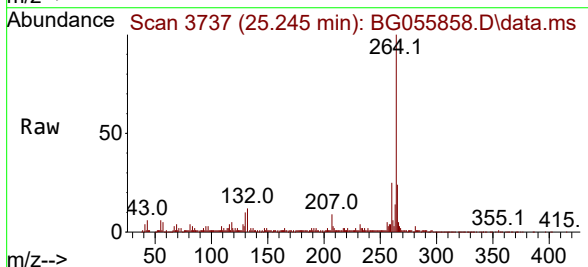
Tgt Ion:264 Resp: 251653

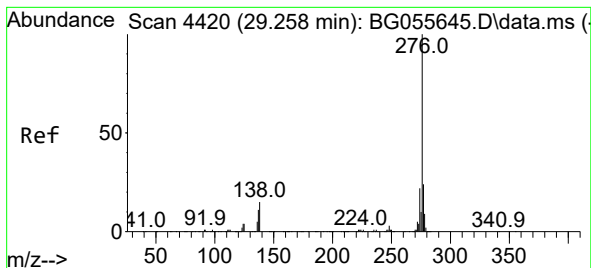
Ion Ratio Lower Upper

264 100

260 24.7 19.5 29.3

265 23.7 17.1 25.7





#87

Indeno(1,2,3-cd)pyrene

Concen: 10.909 ng

RT: 29.129 min Scan# 41

Delta R.T. -0.022 min

Lab File: BG055858.D

Acq: 1 Dec 2022 16:37

Instrument :

BNA_G

ClientSampleId :

OE-2-113022

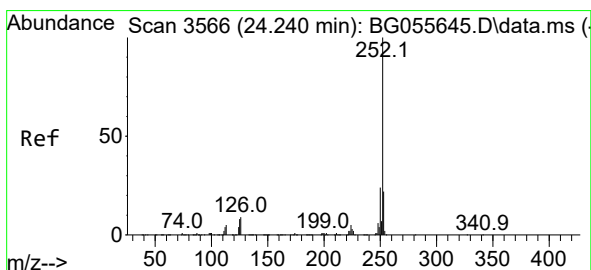
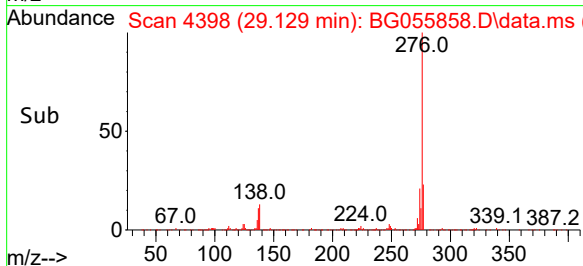
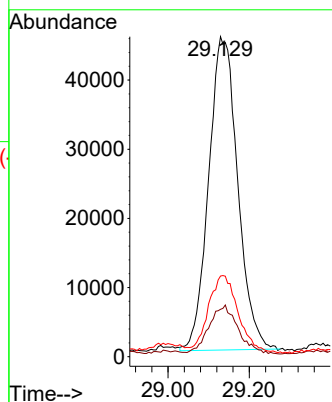
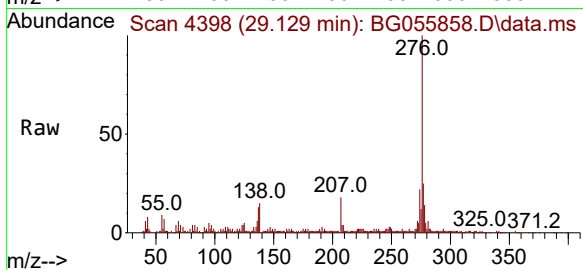
Tgt Ion:276 Resp: 224905

Ion Ratio Lower Upper

276 100

138 15.6 10.4 15.6#

277 25.5 20.2 30.4



#88

Benzo(b)fluoranthene

Concen: 30.081 ng

RT: 24.164 min Scan# 3553

Delta R.T. -0.005 min

Lab File: BG055858.D

Acq: 1 Dec 2022 16:37

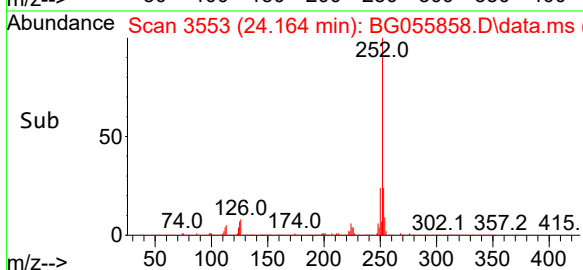
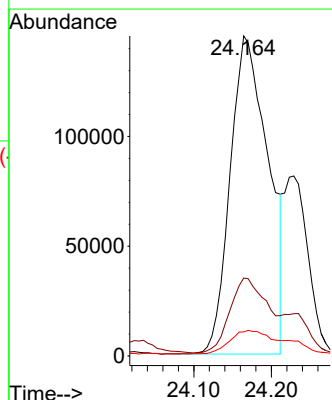
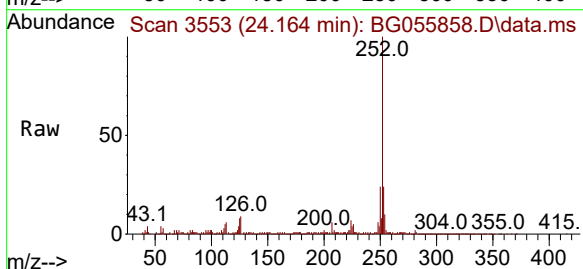
Tgt Ion:252 Resp: 492991

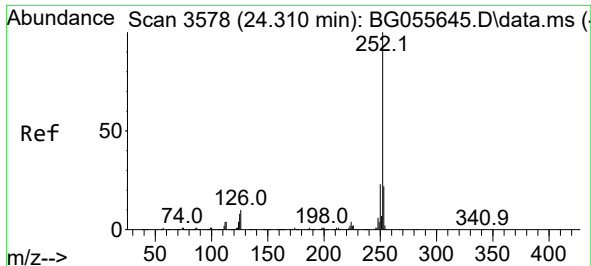
Ion Ratio Lower Upper

252 100

253 24.4 18.0 27.0

125 7.5 6.2 9.2

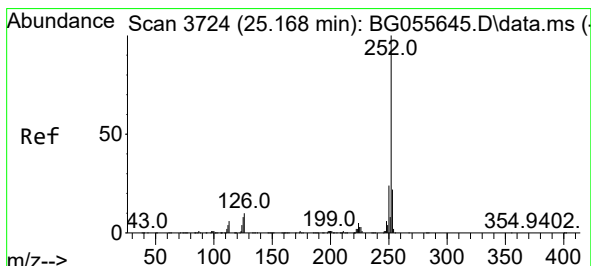
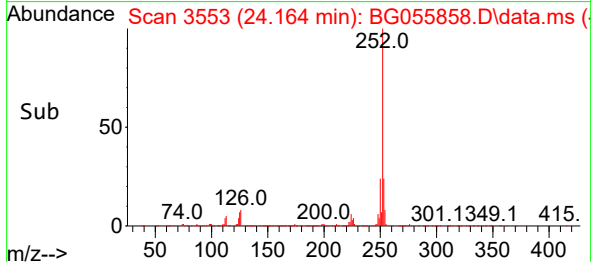
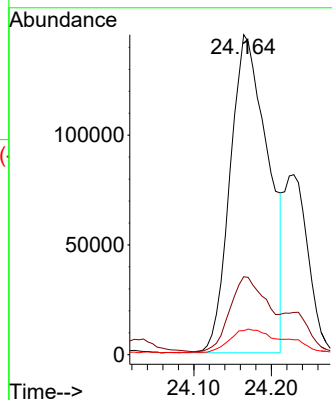
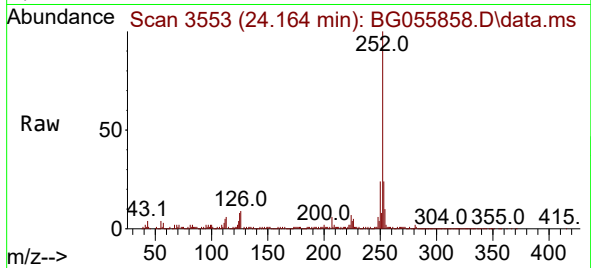




#89
Benzo(k)fluoranthene
Concen: 30.177 ng
RT: 24.164 min Scan# 31
Delta R.T. -0.075 min
Lab File: BG055858.D
Acq: 1 Dec 2022 16:37

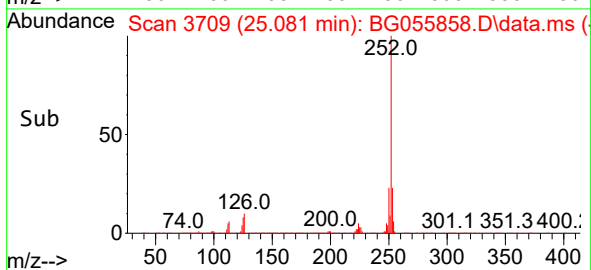
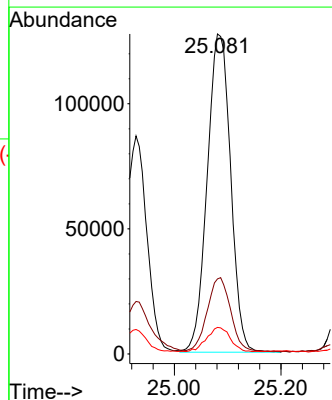
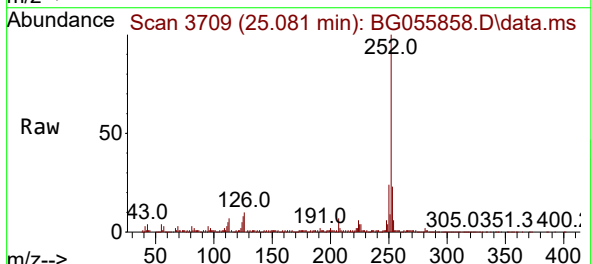
Instrument :
BNA_G
ClientSampleId :
OE-2-113022

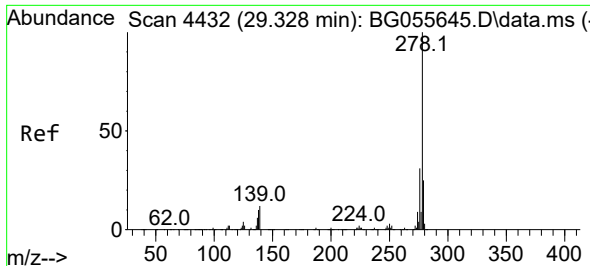
Tgt Ion:252 Resp: 492991
Ion Ratio Lower Upper
252 100
253 24.4 17.8 26.6
125 7.5 6.1 9.1



#90
Benzo(a)pyrene
Concen: 27.607 ng
RT: 25.081 min Scan# 3709
Delta R.T. -0.011 min
Lab File: BG055858.D
Acq: 1 Dec 2022 16:37

Tgt Ion:252 Resp: 388262
Ion Ratio Lower Upper
252 100
253 23.4 17.8 26.6
125 8.3 6.4 9.6

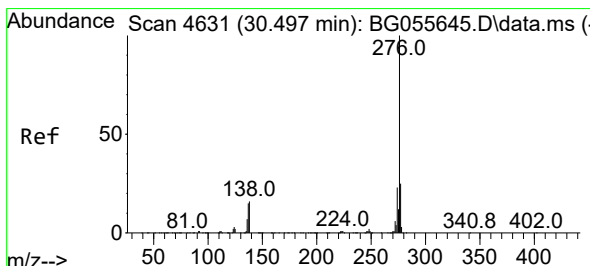
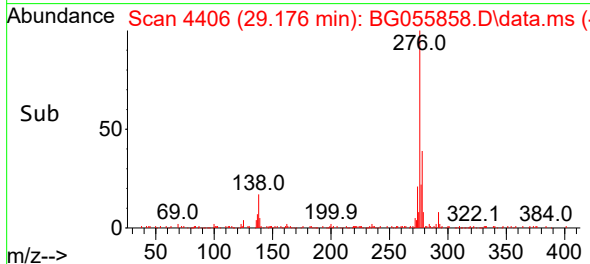
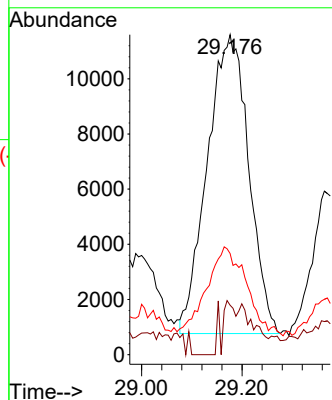
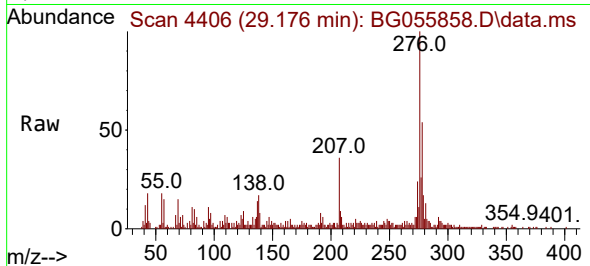




#91
Dibenzo(a,h)anthracene
Concen: 3.684 ng
RT: 29.176 min Scan# 4432
Delta R.T. -0.034 min
Lab File: BG055858.D
Acq: 1 Dec 2022 16:37

Instrument :
BNA_G
ClientSampleId :
OE-2-113022

Tgt Ion:278 Resp: 62060
Ion Ratio Lower Upper
278 100
139 15.5 9.8 14.8#
279 31.6 19.8 29.6#



#92
Benzo(g,h,i)perylene
Concen: 12.694 ng
RT: 30.357 min Scan# 4607
Delta R.T. -0.017 min
Lab File: BG055858.D
Acq: 1 Dec 2022 16:37

Tgt Ion:276 Resp: 215542
Ion Ratio Lower Upper
276 100
277 26.4 19.8 29.6
138 16.3 13.1 19.7

