

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG112222\
 Data File : BG055753.D
 Acq On : 23 Nov 2022 00:07
 Operator : CG/JU
 Sample : N5664-02
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 B-2

Quant Time: Nov 23 01:42:15 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)

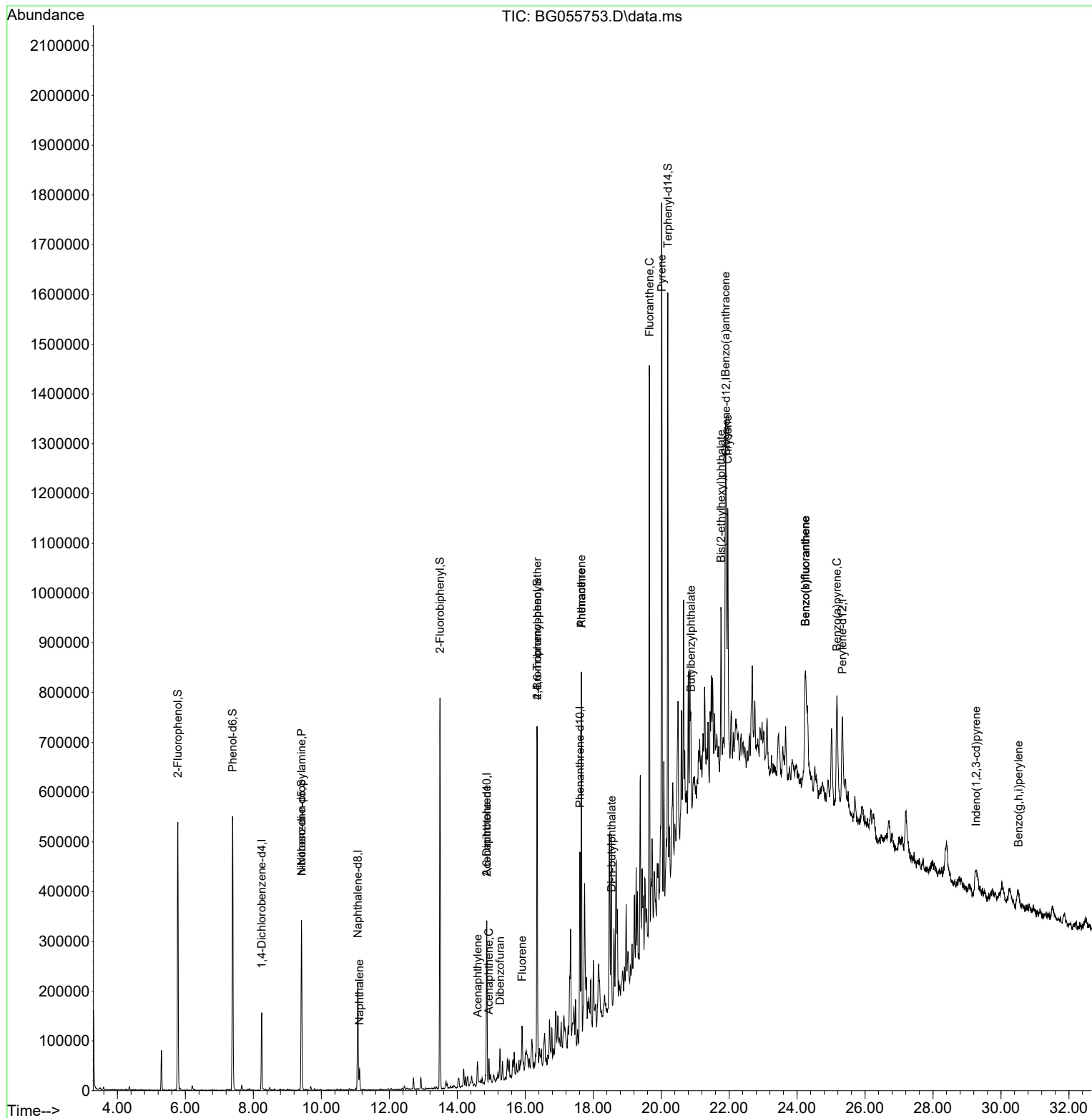
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.246	152	44279	20.000	ng	0.00
21) Naphthalene-d8	11.072	136	185523	20.000	ng	0.00
39) Acenaphthene-d10	14.868	164	116877	20.000	ng	0.00
64) Phenanthrene-d10	17.611	188	238677	20.000	ng	0.00
76) Chrysene-d12	21.912	240	220034	20.000	ng	0.00
86) Perylene-d12	25.338	264	218689	20.000	ng	0.04
System Monitoring Compounds						
5) 2-Fluorophenol	5.778	112	239837	97.904	ng	0.00
7) Phenol-d6	7.388	99	316082	96.929	ng	0.00
23) Nitrobenzene-d5	9.415	82	202040	57.560	ng	0.00
42) 2,4,6-Tribromophenol	16.354	330	131382	79.830	ng	0.00
45) 2-Fluorobiphenyl	13.493	172	411644	52.764	ng	0.00
79) Terphenyl-d14	20.197	244	526620	47.870	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	9.415	70	27016	10.783	ng	# 79
31) Naphthalene	11.125	128	34640	3.454	ng	97
49) Acenaphthylene	14.597	152	40786	3.741	ng	99
51) 2,6-Dinitrotoluene	14.868	165	17271	9.066	ng	# 27
52) Acenaphthene	14.932	154	15538	2.181	ng	96
55) Dibenzofuran	15.261	168	24304	2.211	ng	# 93
58) Fluorene	15.907	166	41566	4.735	ng	98
67) 4-Bromophenyl-phenylether	16.354	248	8554	3.145	ng	# 1
71) Phenanthrene	17.652	178	448897	34.852	ng	99
72) Anthracene	17.652	178	448897	35.870	ng	99
74) Di-n-butylphthalate	18.546	149	30510	2.184	ng	# 92
75) Fluoranthene	19.656	202	735740	46.954	ng	99
78) Pyrene	20.014	202	832958	55.927	ng	97
80) Butylbenzylphthalate	20.878	149	23785	4.079	ng	96
81) Benzo(a)anthracene	21.895	228	401062	26.464	ng	# 94
83) Chrysene	21.959	228	393916	27.303	ng	96
84) Bis(2-ethylhexyl)phtha...	21.759	149	119830	14.301	ng	99
87) Indeno(1,2,3-cd)pyrene	29.268	276	114293	6.380	ng	# 84
88) Benzo(b)fluoranthene	24.245	252	352525	24.752	ng	# 92
89) Benzo(k)fluoranthene	24.245	252	352525	24.831	ng	# 92
90) Benzo(a)pyrene	25.173	252	311990	25.528	ng	# 91
92) Benzo(g,h,i)perylene	30.514	276	100493	6.811	ng	94

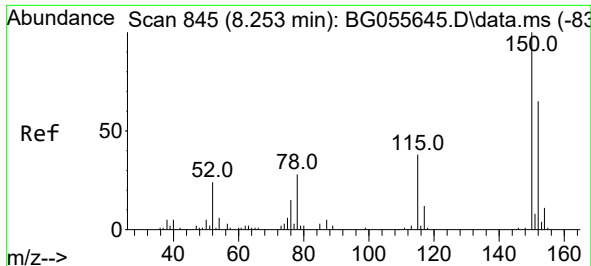
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG112222\
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BNA_G
ClientSampleId :
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Quant Time: Nov 23 01:42:15 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

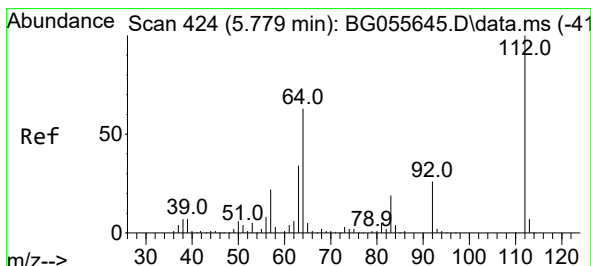
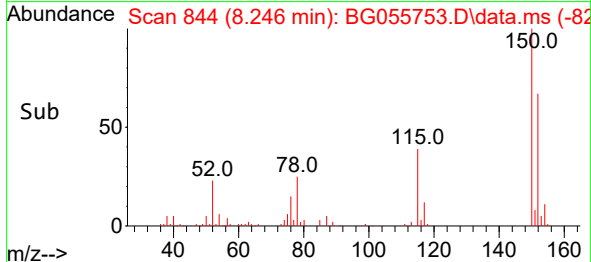
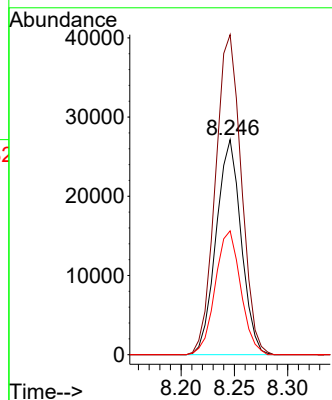
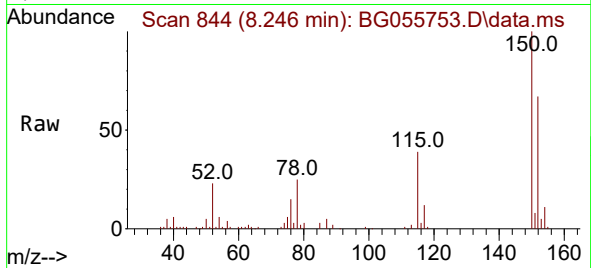




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.246 min Scan# 844
Delta R.T. -0.000 min
Lab File: BG055753.D
Acq: 23 Nov 2022 00:07

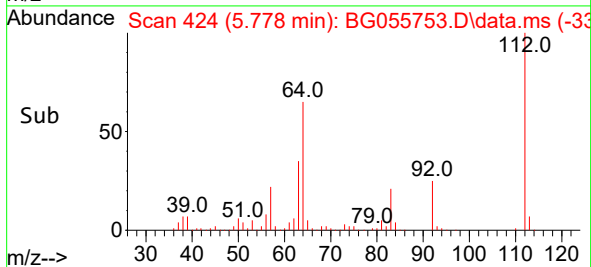
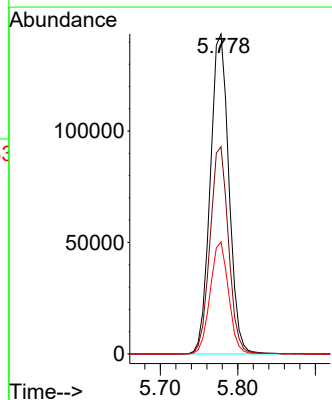
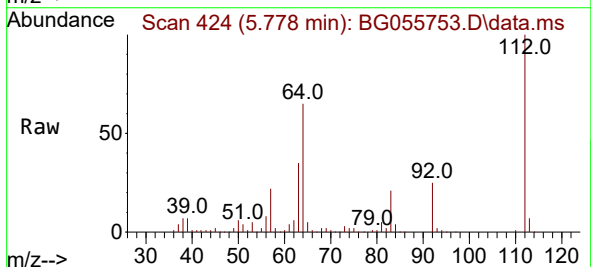
Instrument :
BNA_G
ClientSampleId :
B-2

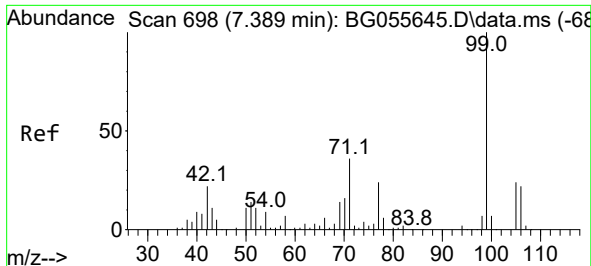
Tgt Ion:152 Resp: 44279
Ion Ratio Lower Upper
152 100
150 148.8 123.0 184.6
115 57.6 47.0 70.4



#5
2-Fluorophenol
Concen: 97.904 ng
RT: 5.778 min Scan# 424
Delta R.T. 0.006 min
Lab File: BG055753.D
Acq: 23 Nov 2022 00:07

Tgt Ion:112 Resp: 239837
Ion Ratio Lower Upper
112 100
64 64.8 50.6 76.0
63 35.0 27.5 41.3

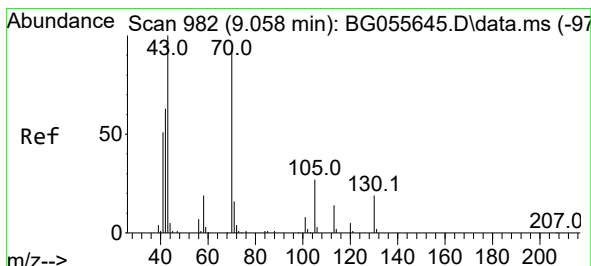
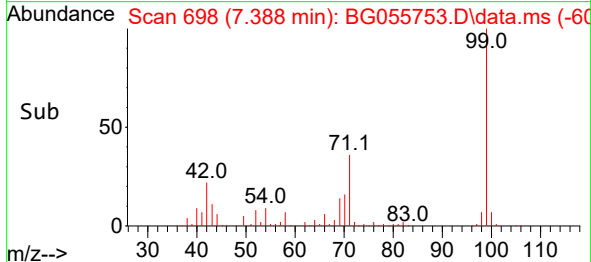
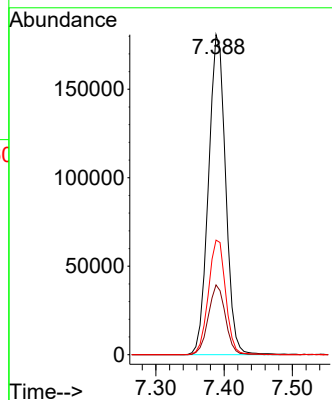
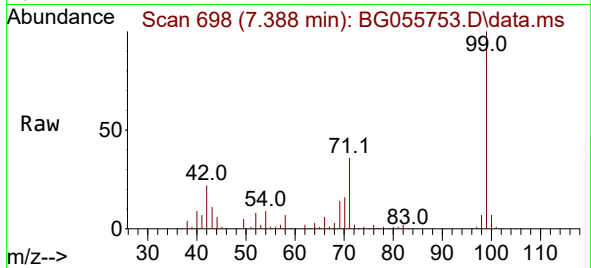




#7
Phenol-d6
Concen: 96.929 ng
RT: 7.388 min Scan# 61
Delta R.T. 0.000 min
Lab File: BG055753.D
Acq: 23 Nov 2022 00:07

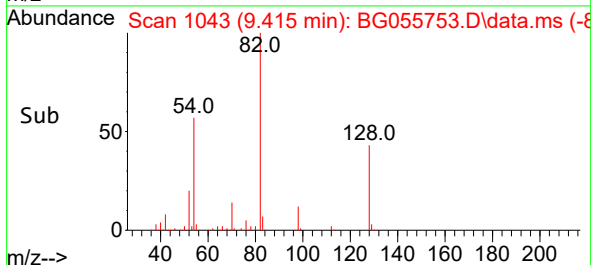
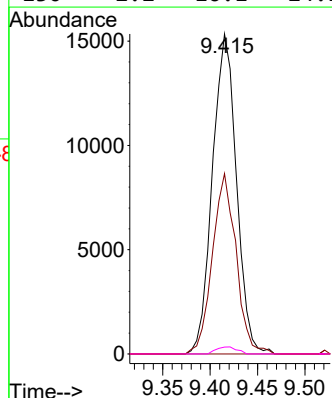
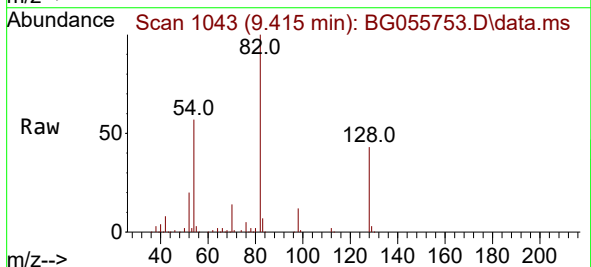
Instrument :
BNA_G
ClientSampleId :
B-2

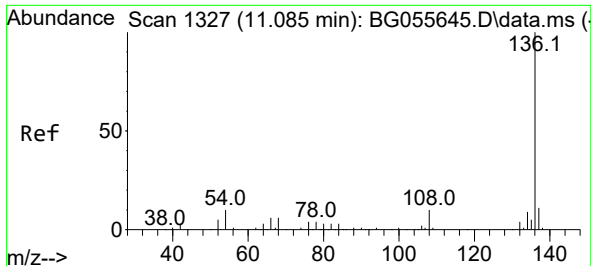
Tgt Ion: 99 Resp: 316082
Ion Ratio Lower Upper
99 100
42 21.8 18.0 27.0
71 35.8 29.0 43.6



#19
n-Nitroso-di-n-propylamine
Concen: 10.783 ng
RT: 9.415 min Scan# 1043
Delta R.T. 0.370 min
Lab File: BG055753.D
Acq: 23 Nov 2022 00:07

Tgt Ion: 70 Resp: 27016
Ion Ratio Lower Upper
70 100
42 56.4 55.2 82.8
101 0.0 7.1 10.7#
130 2.2 16.1 24.1#

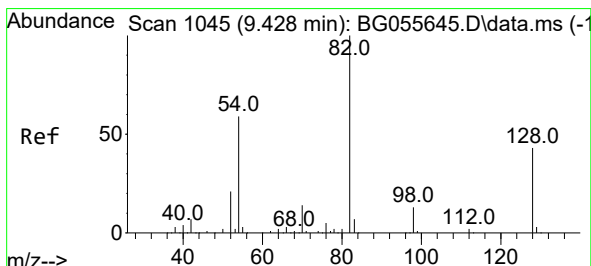
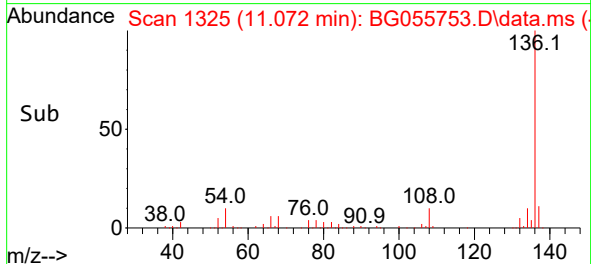
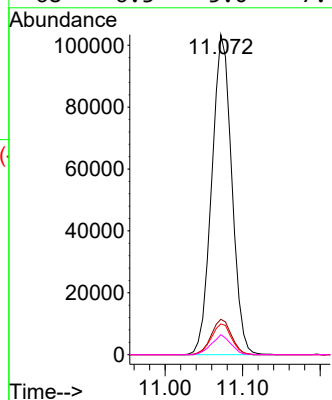
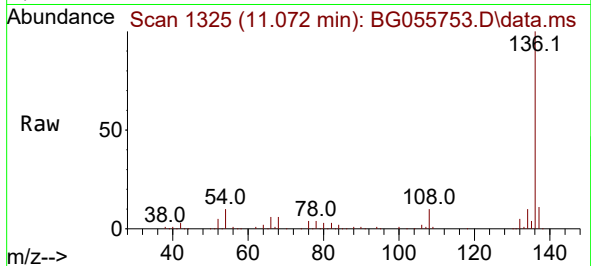




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.072 min Scan# 11
Delta R.T. 0.000 min
Lab File: BG055753.D
Acq: 23 Nov 2022 00:07

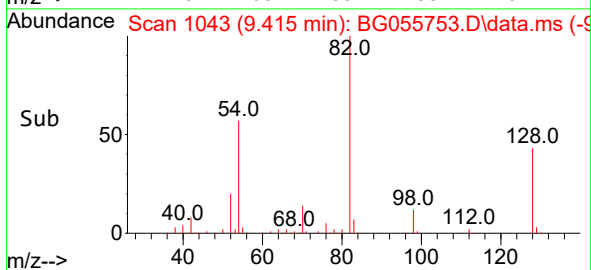
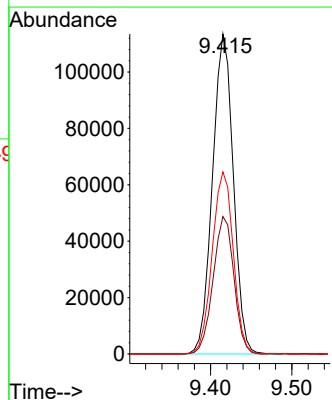
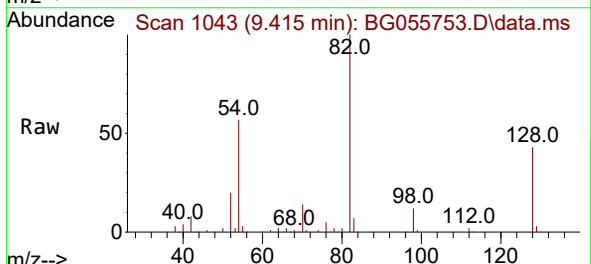
Instrument :
BNA_G
ClientSampleId :
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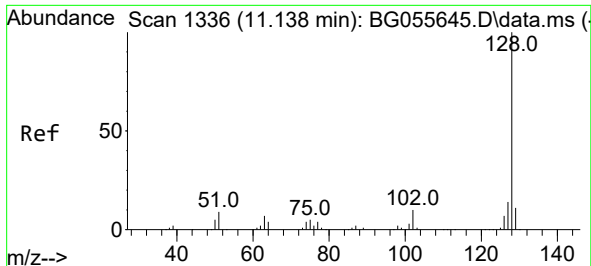
Tgt Ion:	136	Resp:	185523
Ion	Ratio	Lower	Upper
136	100		
137	11.0	9.0	13.6
54	9.6	7.8	11.6
68	6.3	5.0	7.4



#23
Nitrobenzene-d5
Concen: 57.560 ng
RT: 9.415 min Scan# 1043
Delta R.T. 0.000 min
Lab File: BG055753.D
Acq: 23 Nov 2022 00:07

Tgt Ion:	82	Resp:	202040
Ion	Ratio	Lower	Upper
82	100		
128	42.9	34.1	51.1
54	56.9	47.3	70.9

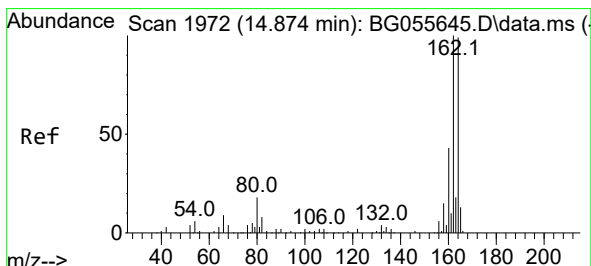
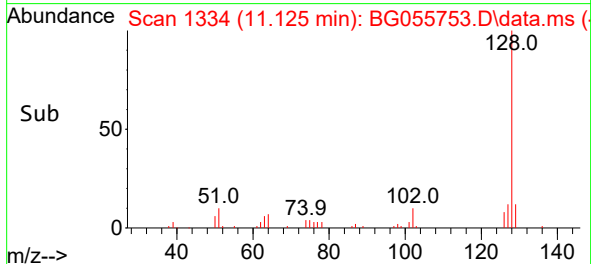
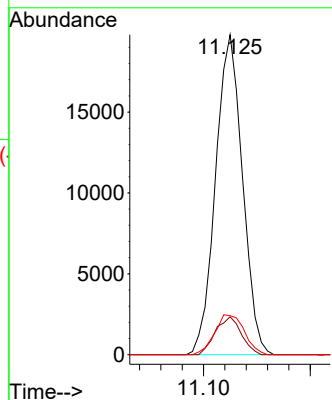
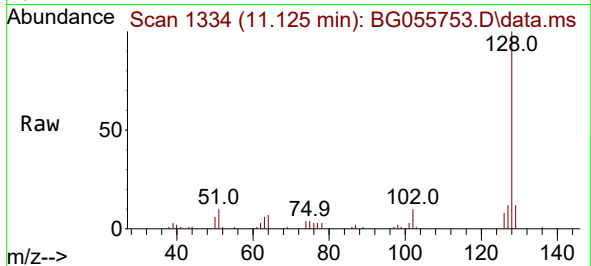




#31
Naphthalene
Concen: 3.454 ng
RT: 11.125 min Scan# 11
Delta R.T. 0.000 min
Lab File: BG055753.D
Acq: 23 Nov 2022 00:07

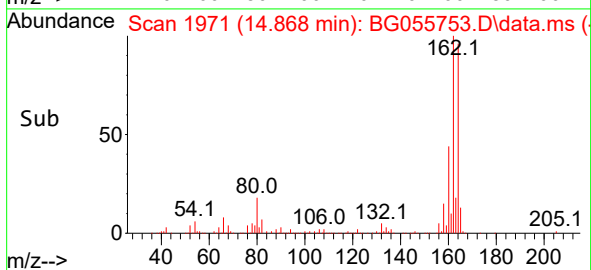
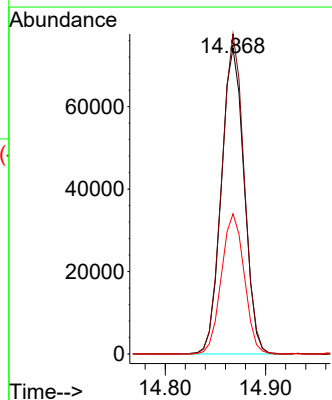
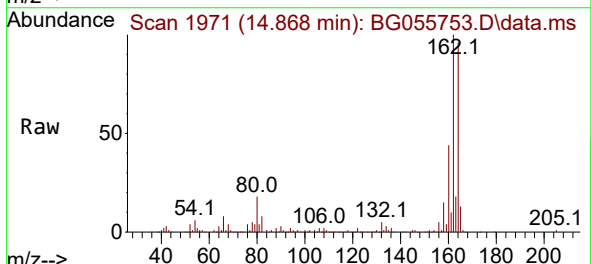
Instrument :
BNA_G
ClientSampleId :
B-2

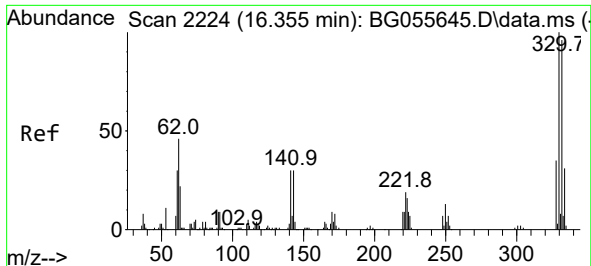
Tgt Ion:128 Resp: 34640
Ion Ratio Lower Upper
128 100
129 11.8 8.7 13.1
127 12.2 10.9 16.3



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.868 min Scan# 1971
Delta R.T. 0.000 min
Lab File: BG055753.D
Acq: 23 Nov 2022 00:07

Tgt Ion:164 Resp: 116877
Ion Ratio Lower Upper
164 100
162 104.6 81.1 121.7
160 45.8 34.8 52.2

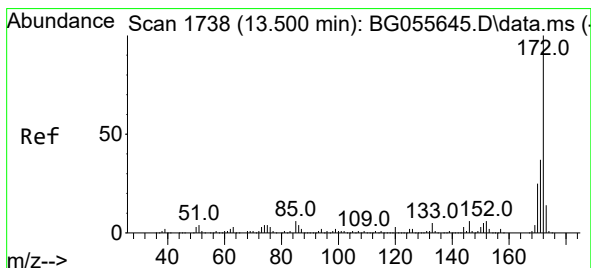
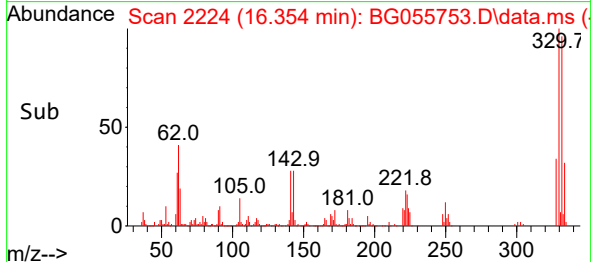
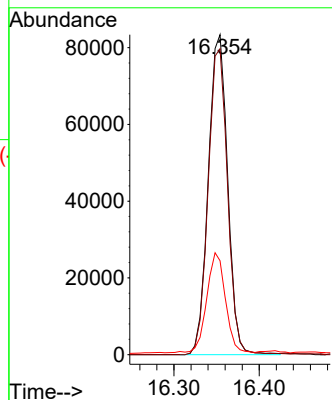
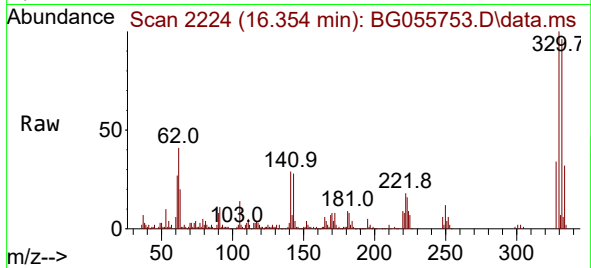




#42
 2,4,6-Tribromophenol
 Concen: 79.830 ng
 RT: 16.354 min Scan# 21
 Delta R.T. 0.006 min
 Lab File: BG055753.D
 Acq: 23 Nov 2022 00:07

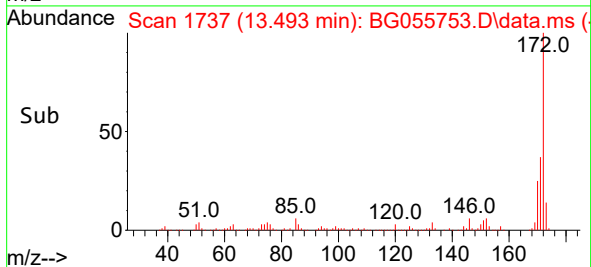
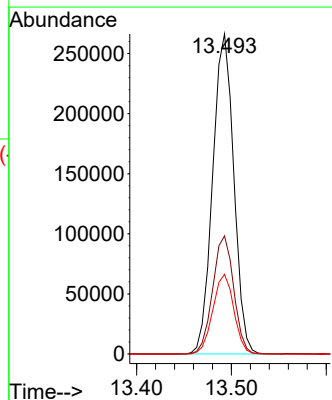
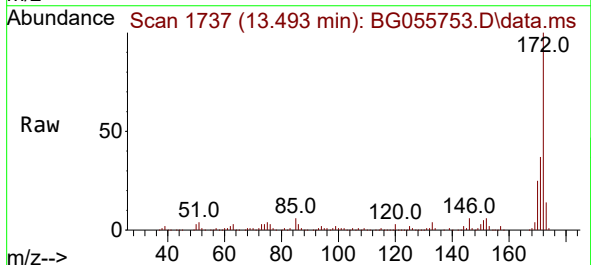
Instrument :
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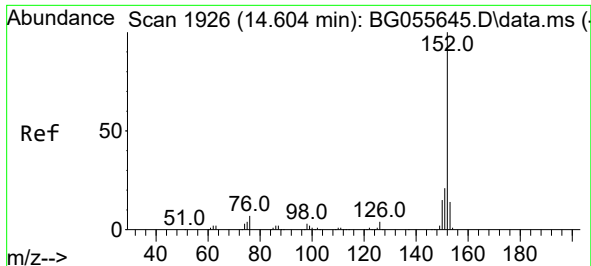
Tgt Ion:330 Resp: 131382
 Ion Ratio Lower Upper
 330 100
 332 95.7 77.8 116.8
 141 30.1 23.9 35.9



#45
 2-Fluorobiphenyl
 Concen: 52.764 ng
 RT: 13.493 min Scan# 1737
 Delta R.T. 0.000 min
 Lab File: BG055753.D
 Acq: 23 Nov 2022 00:07

Tgt Ion:172 Resp: 411644
 Ion Ratio Lower Upper
 172 100
 171 36.9 29.8 44.6
 170 24.9 20.2 30.4

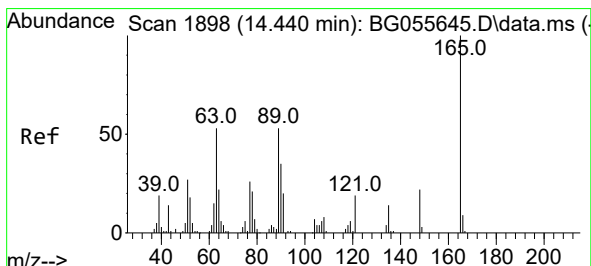
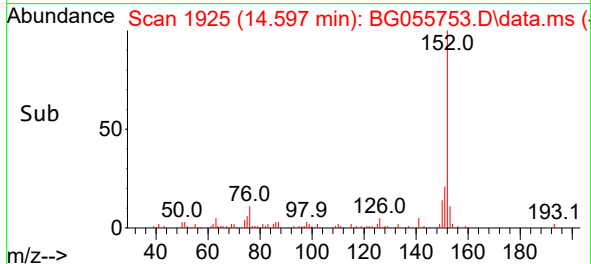
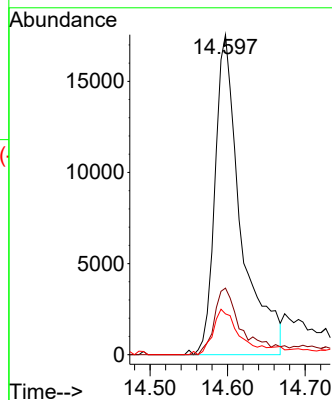
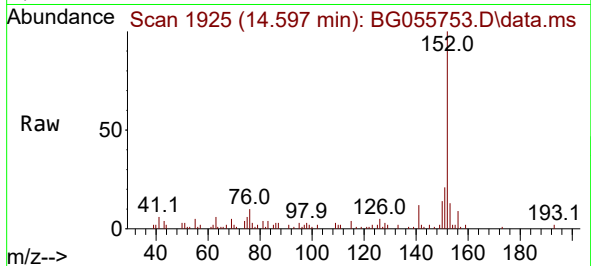




#49
Acenaphthylene
Concen: 3.741 ng
RT: 14.597 min Scan# 1925
Delta R.T. 0.006 min
Lab File: BG055753.D
Acq: 23 Nov 2022 00:07

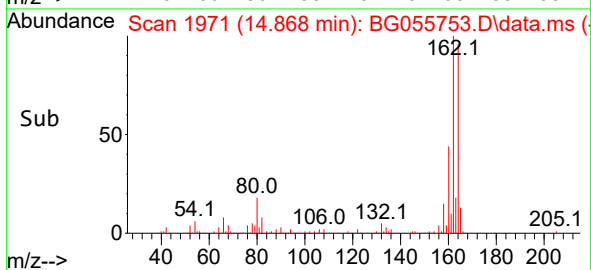
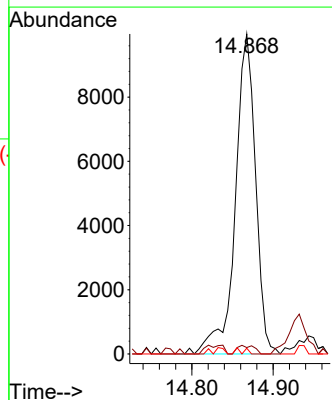
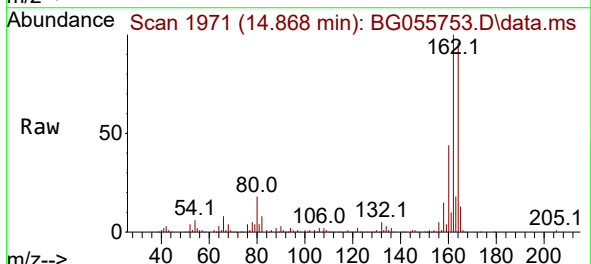
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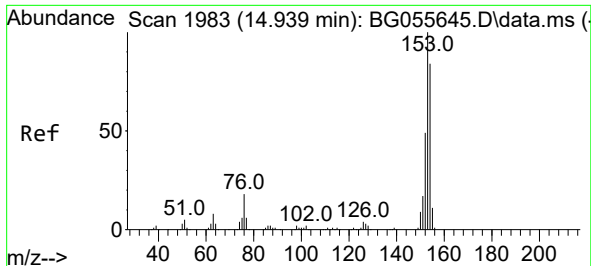
Tgt Ion:152 Resp: 40786
Ion Ratio Lower Upper
152 100
151 20.8 16.4 24.6
153 12.8 11.0 16.4



#51
2,6-Dinitrotoluene
Concen: 9.066 ng
RT: 14.868 min Scan# 1971
Delta R.T. 0.435 min
Lab File: BG055753.D
Acq: 23 Nov 2022 00:07

Tgt Ion:165 Resp: 17271
Ion Ratio Lower Upper
165 100
63 2.0 44.6 66.8#
89 1.8 42.2 63.4#

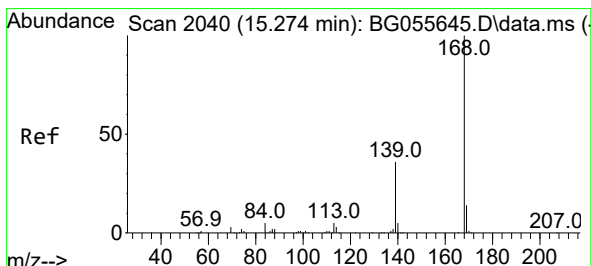
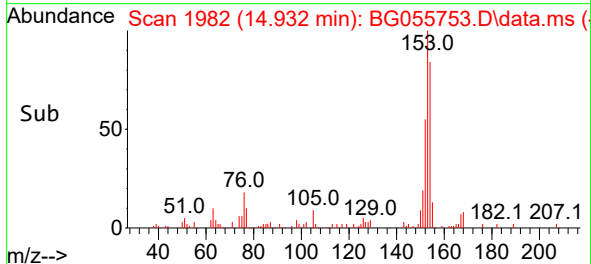
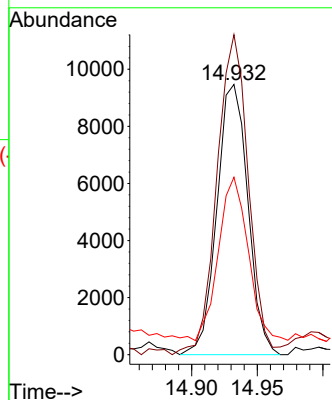
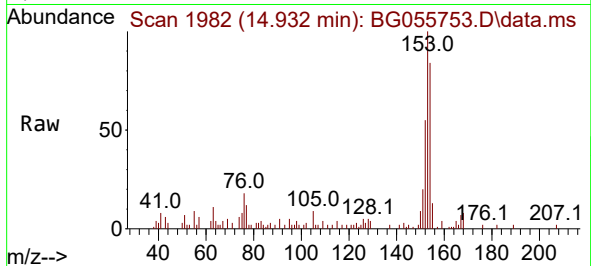




#52
Acenaphthene
Concen: 2.181 ng
RT: 14.932 min Scan# 1982
Delta R.T. 0.000 min
Lab File: BG055753.D
Acq: 23 Nov 2022 00:07

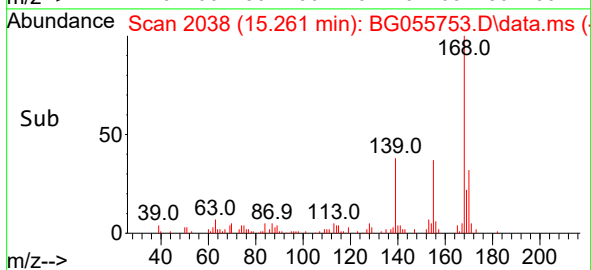
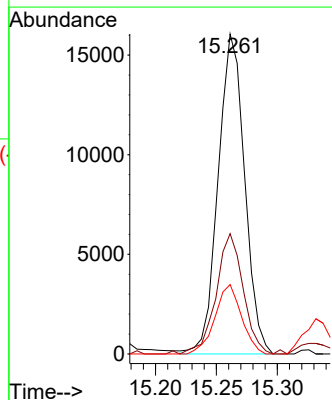
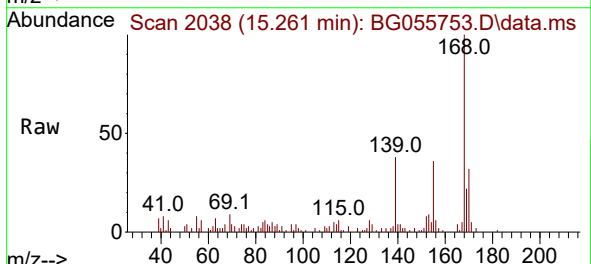
Instrument :
BNA_G
ClientSampleId :
B-2

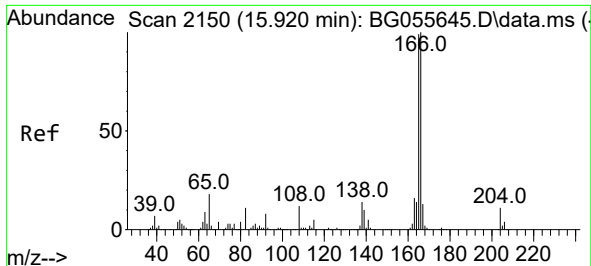
Tgt Ion:154 Resp: 15538
Ion Ratio Lower Upper
154 100
153 118.4 95.0 142.4
152 65.7 46.1 69.1



#55
Dibenzofuran
Concen: 2.211 ng
RT: 15.261 min Scan# 2038
Delta R.T. 0.000 min
Lab File: BG055753.D
Acq: 23 Nov 2022 00:07

Tgt Ion:168 Resp: 24304
Ion Ratio Lower Upper
168 100
139 37.6 28.8 43.2
169 21.7 11.0 16.4#

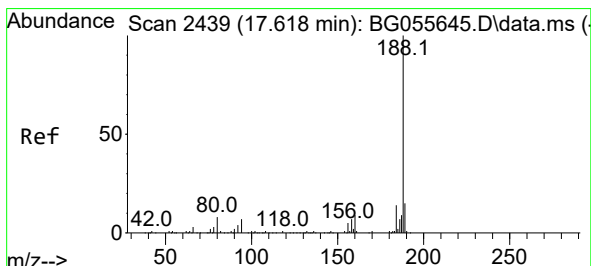
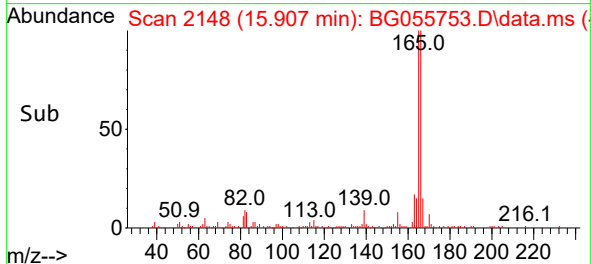
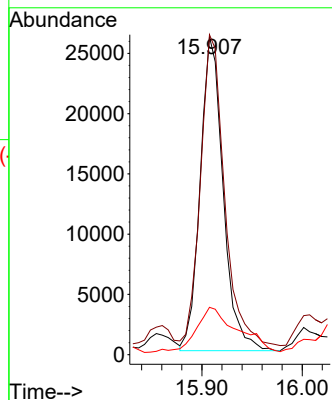
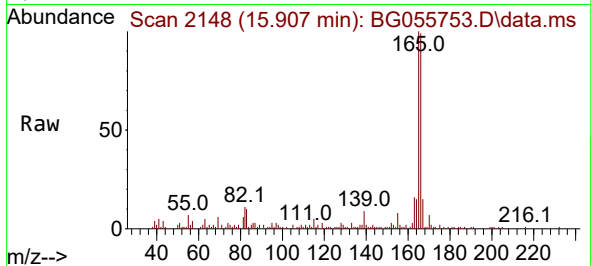




#58
Fluorene
Concen: 4.735 ng
RT: 15.907 min Scan# 2150
Delta R.T. 0.000 min
Lab File: BG055753.D
Acq: 23 Nov 2022 00:07

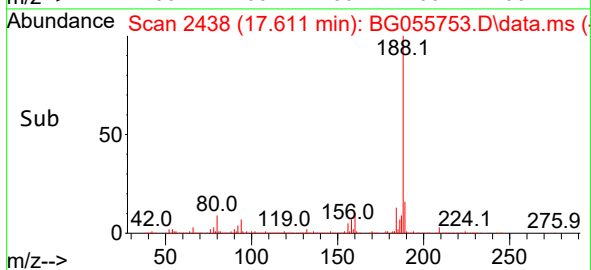
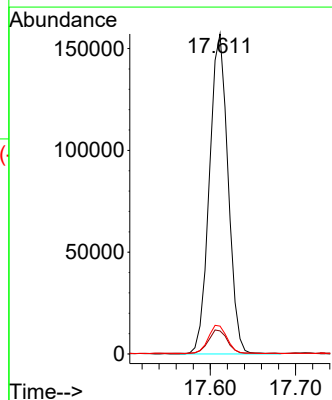
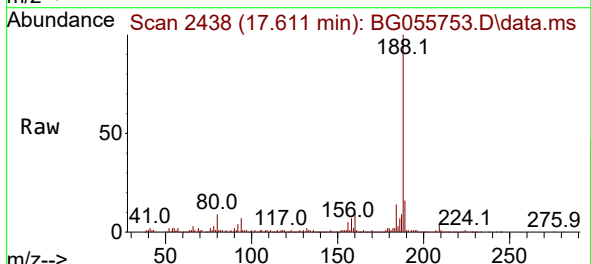
Instrument :
BNA_G
ClientSampleId :
B-2

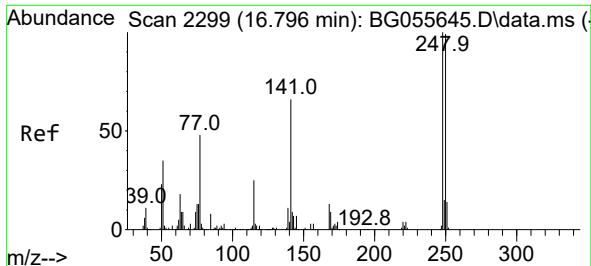
Tgt Ion:166 Resp: 41566
Ion Ratio Lower Upper
166 100
165 100.6 79.3 118.9
167 14.9 10.6 15.8



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.611 min Scan# 2438
Delta R.T. 0.006 min
Lab File: BG055753.D
Acq: 23 Nov 2022 00:07

Tgt Ion:188 Resp: 238677
Ion Ratio Lower Upper
188 100
94 7.2 5.4 8.2
80 8.7 6.6 10.0

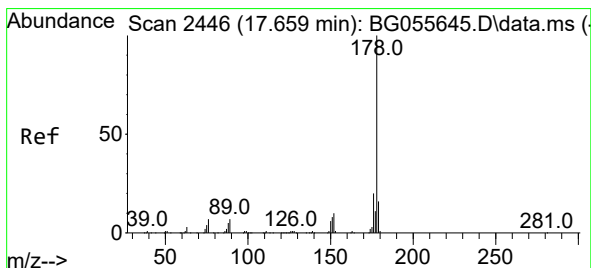
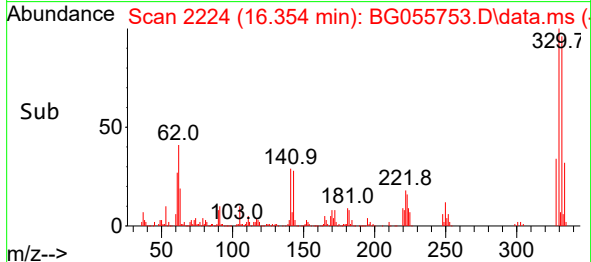
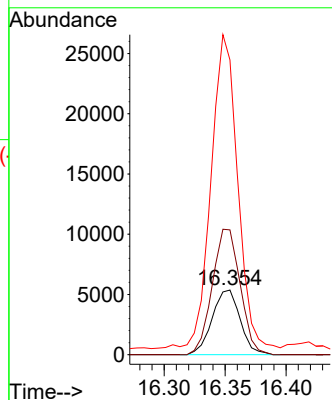
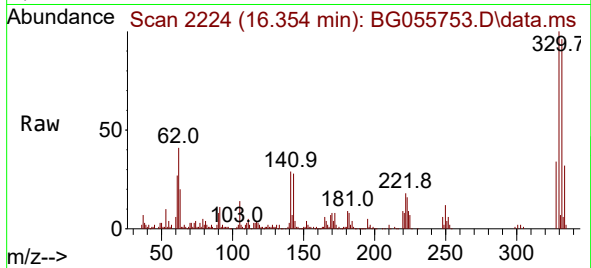




#67
4-Bromophenyl-phenylether
Concen: 3.145 ng
RT: 16.354 min Scan# 21
Delta R.T. -0.435 min
Lab File: BG055753.D
Acq: 23 Nov 2022 00:07

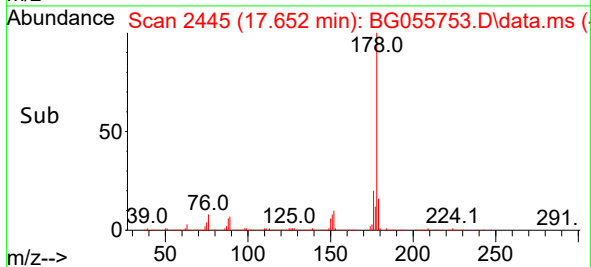
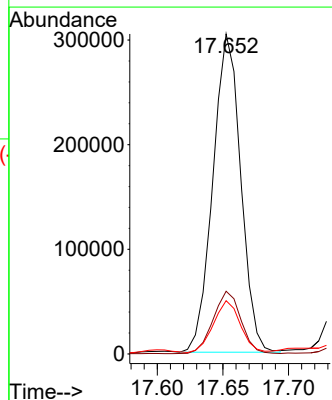
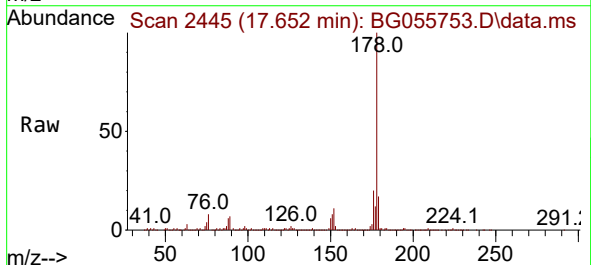
Instrument :
BNA_G
ClientSampleId :
B-2

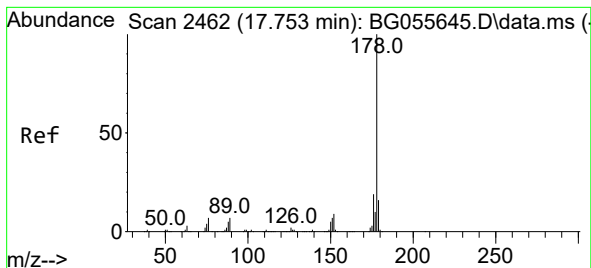
Tgt Ion:248 Resp: 8554
Ion Ratio Lower Upper
248 100
250 193.2 79.0 118.4#
141 456.5 52.9 79.3#



#71
Phenanthrene
Concen: 34.852 ng
RT: 17.652 min Scan# 2445
Delta R.T. 0.000 min
Lab File: BG055753.D
Acq: 23 Nov 2022 00:07

Tgt Ion:178 Resp: 448897
Ion Ratio Lower Upper
178 100
176 19.6 16.0 24.0
179 16.6 12.7 19.1





#72

Anthracene

Concen: 35.870 ng

RT: 17.652 min Scan# 2462

Delta R.T. -0.088 min

Lab File: BG055753.D

Acq: 23 Nov 2022 00:07

Instrument :

BNA_G

ClientSampleId :

B-2

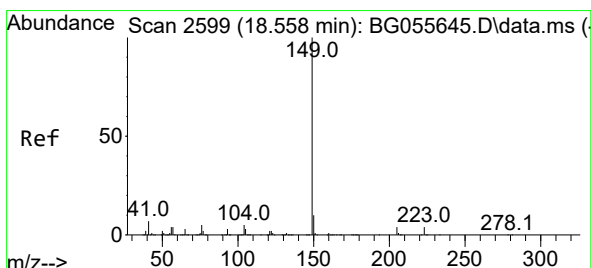
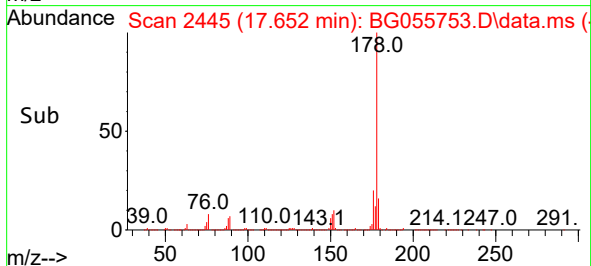
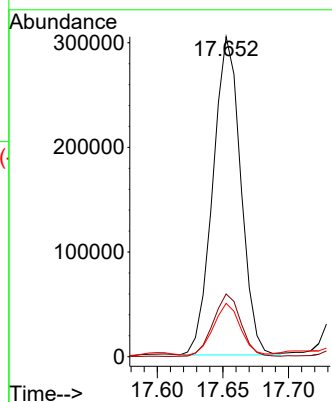
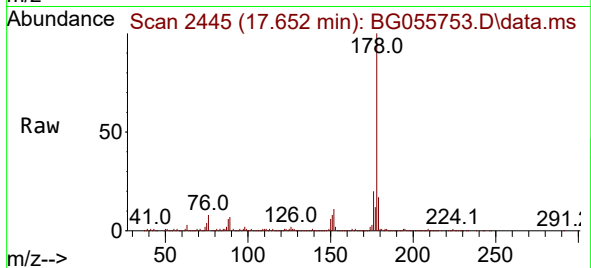
Tgt Ion:178 Resp: 448897

Ion Ratio Lower Upper

178 100

176 19.6 15.5 23.3

179 16.6 12.5 18.7



#74

Di-n-butylphthalate

Concen: 2.184 ng

RT: 18.546 min Scan# 2597

Delta R.T. 0.006 min

Lab File: BG055753.D

Acq: 23 Nov 2022 00:07

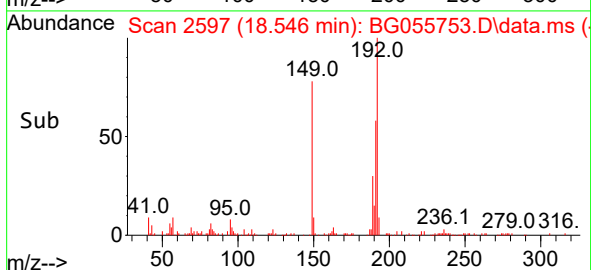
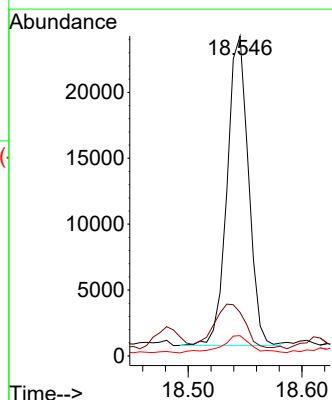
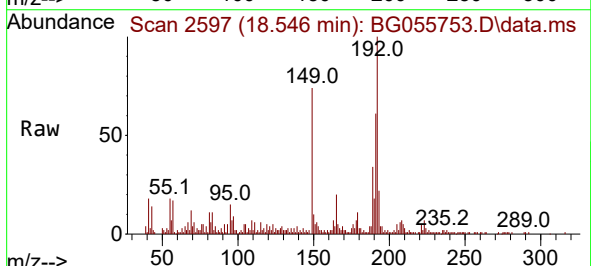
Tgt Ion:149 Resp: 30510

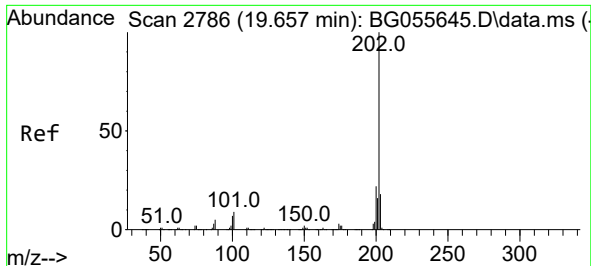
Ion Ratio Lower Upper

149 100

150 13.6 7.8 11.6#

104 6.3 4.0 6.0#

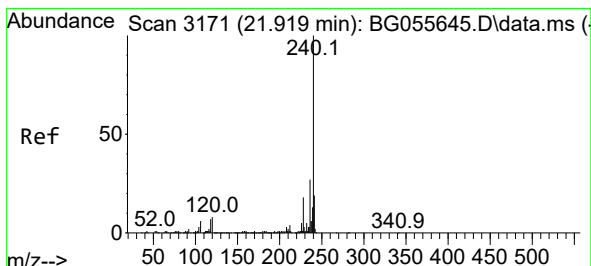
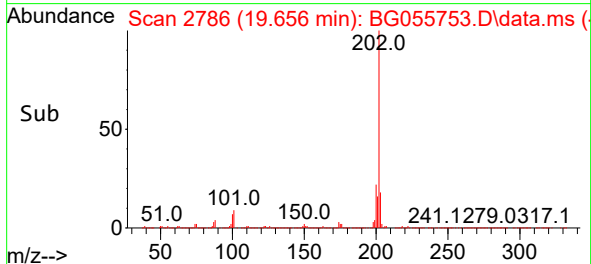
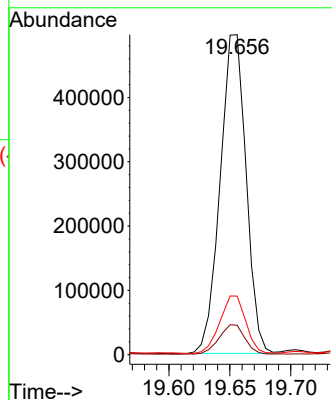
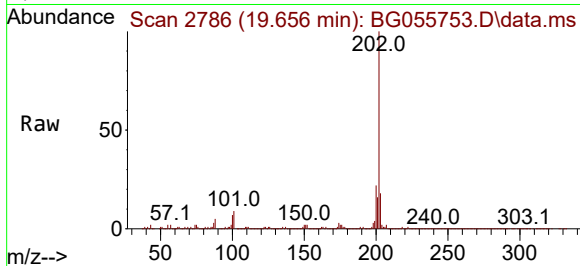




#75
Fluoranthene
Concen: 46.954 ng
RT: 19.656 min Scan# 21
Delta R.T. 0.012 min
Lab File: BG055753.D
Acq: 23 Nov 2022 00:07

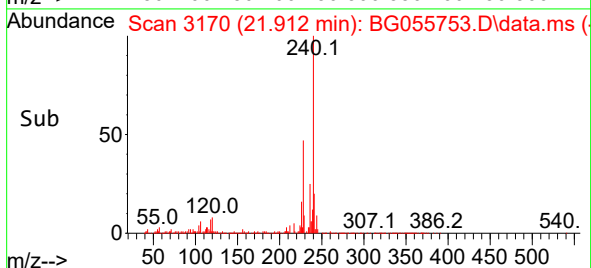
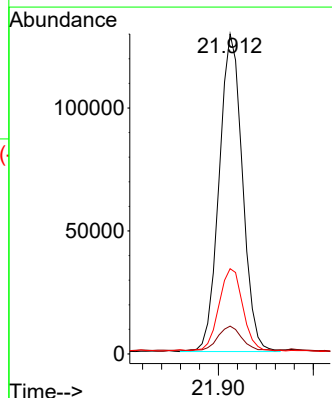
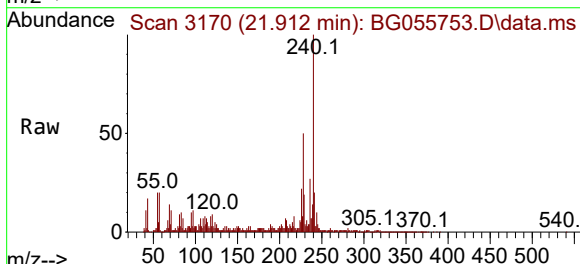
Instrument :
BNA_G
ClientSampleId :
B-2

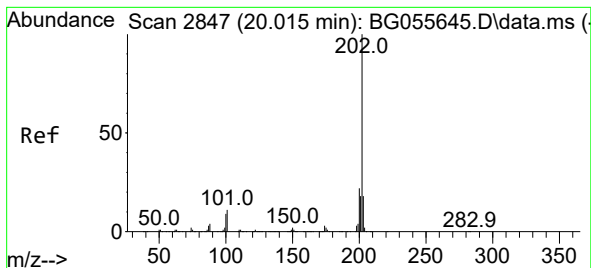
Tgt Ion:202 Resp: 735740
Ion Ratio Lower Upper
202 100
101 9.2 0.0 28.8
203 18.3 0.0 38.1



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.912 min Scan# 3170
Delta R.T. 0.006 min
Lab File: BG055753.D
Acq: 23 Nov 2022 00:07

Tgt Ion:240 Resp: 220034
Ion Ratio Lower Upper
240 100
120 8.7 6.3 9.5
236 26.6 21.9 32.9





#78

Pyrene

Concen: 55.927 ng

RT: 20.014 min Scan# 2

Delta R.T. 0.006 min

Lab File: BG055753.D

Acq: 23 Nov 2022 00:07

Instrument :

BNA_G

ClientSampleId :

B-2

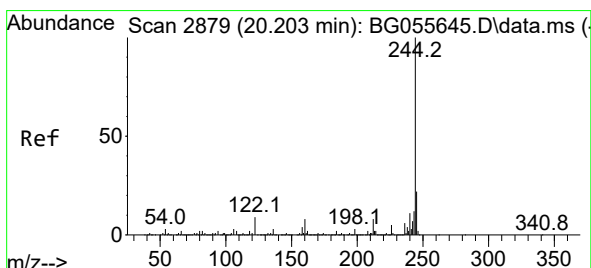
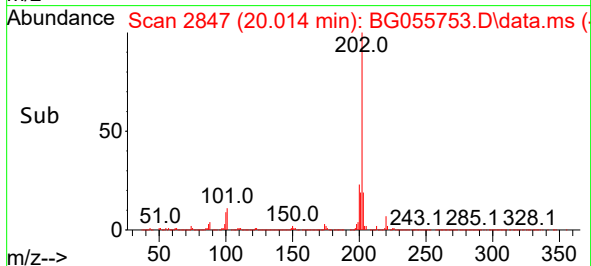
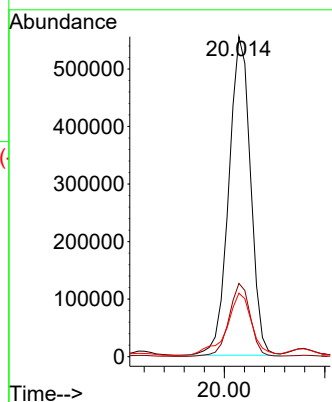
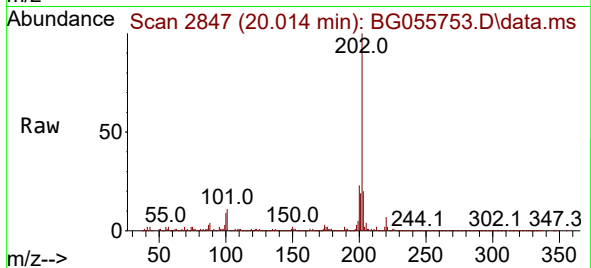
Tgt Ion:202 Resp: 832958

Ion Ratio Lower Upper

202 100

200 22.9 17.8 26.6

203 19.8 14.4 21.6



#79

Terphenyl-d14

Concen: 47.870 ng

RT: 20.197 min Scan# 2878

Delta R.T. 0.006 min

Lab File: BG055753.D

Acq: 23 Nov 2022 00:07

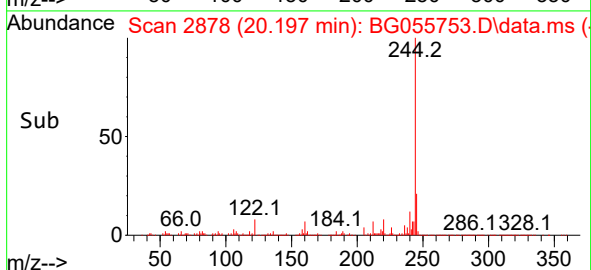
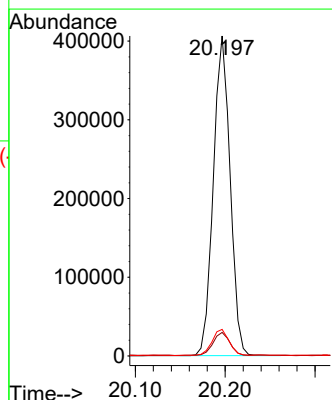
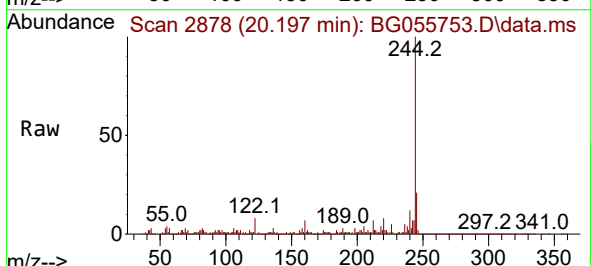
Tgt Ion:244 Resp: 526620

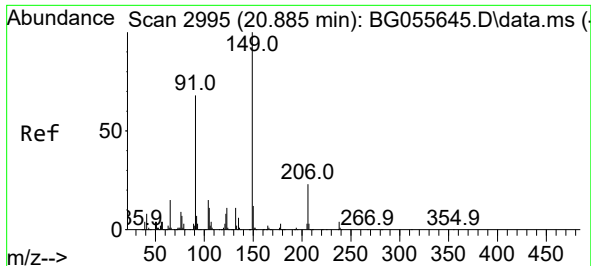
Ion Ratio Lower Upper

244 100

212 7.4 6.3 9.5

122 8.3 6.9 10.3

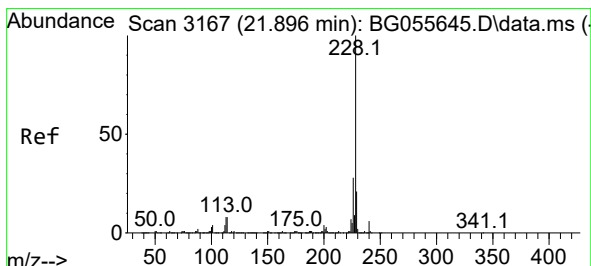
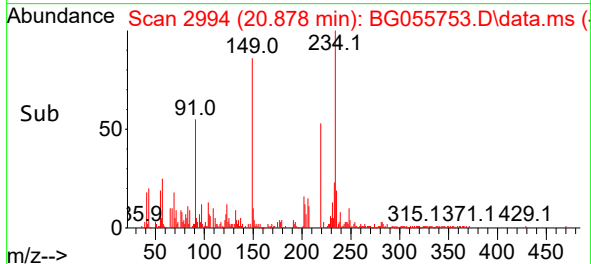
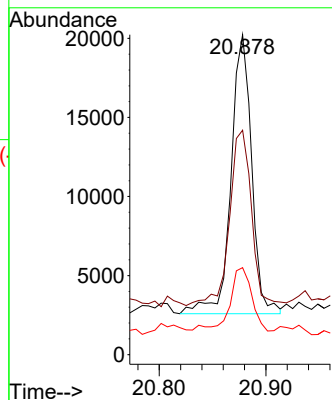
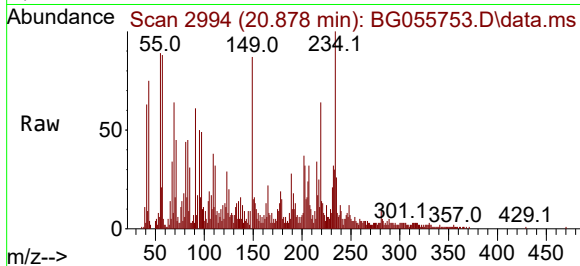




#80
Butylbenzylphthalate
Concen: 4.079 ng
RT: 20.878 min Scan# 2995
Delta R.T. 0.006 min
Lab File: BG055753.D
Acq: 23 Nov 2022 00:07

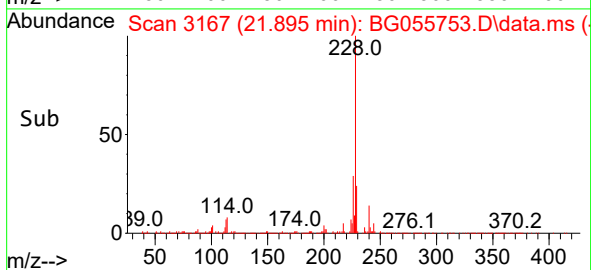
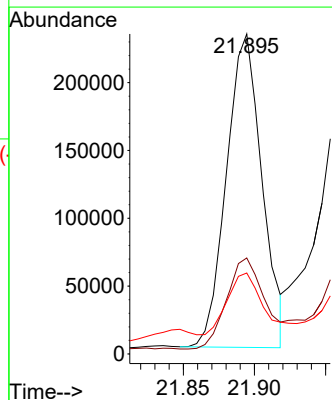
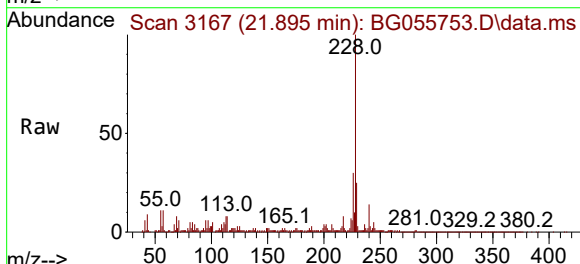
Instrument :
BNA_G
ClientSampleId :
B-2

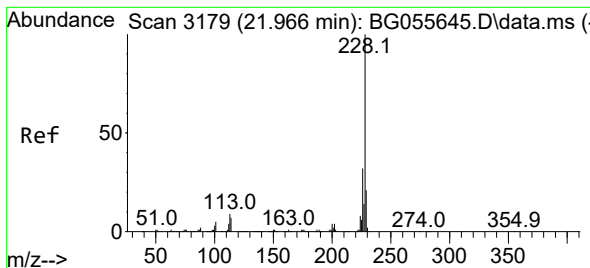
Tgt Ion:149 Resp: 23785
Ion Ratio Lower Upper
149 100
91 70.2 54.6 81.8
206 27.2 18.3 27.5



#81
Benzo(a)anthracene
Concen: 26.464 ng
RT: 21.895 min Scan# 3167
Delta R.T. 0.012 min
Lab File: BG055753.D
Acq: 23 Nov 2022 00:07

Tgt Ion:228 Resp: 401062
Ion Ratio Lower Upper
228 100
226 30.0 22.7 34.1
229 25.3 16.5 24.7#





#83

Chrysene

Concen: 27.303 ng

RT: 21.959 min Scan# 3178

Delta R.T. 0.006 min

Lab File: BG055753.D

Acq: 23 Nov 2022 00:07

Instrument :

BNA_G

ClientSampleId :

B-2

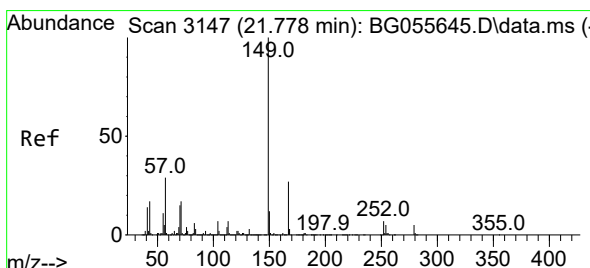
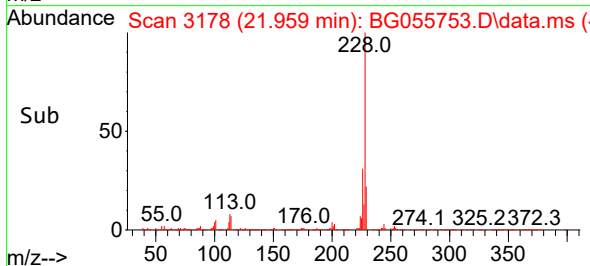
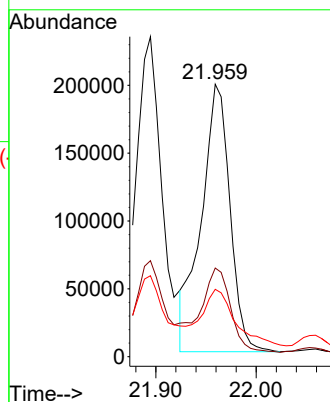
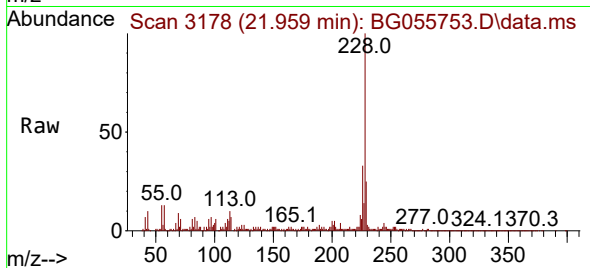
Tgt Ion:228 Resp: 393916

Ion Ratio Lower Upper

228 100

226 32.5 25.4 38.2

229 24.8 17.1 25.7



#84

Bis(2-ethylhexyl)phthalate

Concen: 14.301 ng

RT: 21.759 min Scan# 3144

Delta R.T. 0.006 min

Lab File: BG055753.D

Acq: 23 Nov 2022 00:07

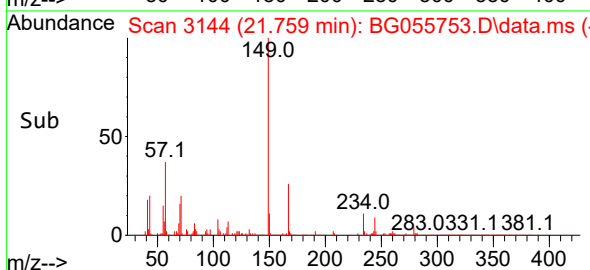
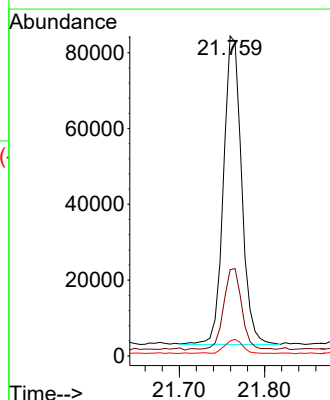
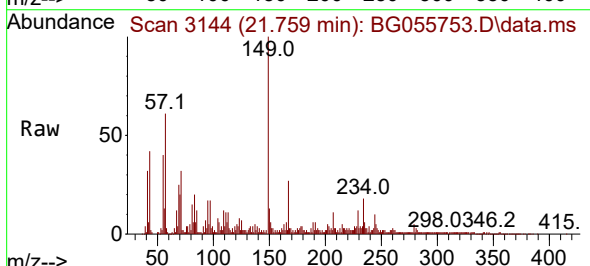
Tgt Ion:149 Resp: 119830

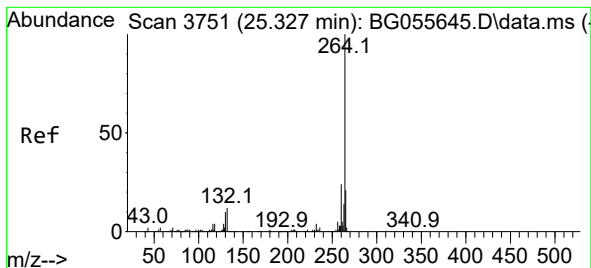
Ion Ratio Lower Upper

149 100

167 27.0 22.0 33.0

279 4.7 3.7 5.5





#86

Perylene-d12

Concen: 20.000 ng

RT: 25.338 min Scan# 31

Delta R.T. 0.035 min

Lab File: BG055753.D

Acq: 23 Nov 2022 00:07

Instrument :

BNA_G

ClientSampleId :

B-2

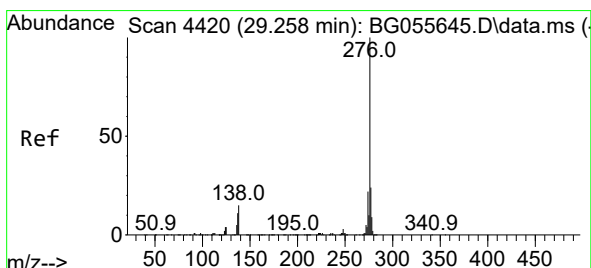
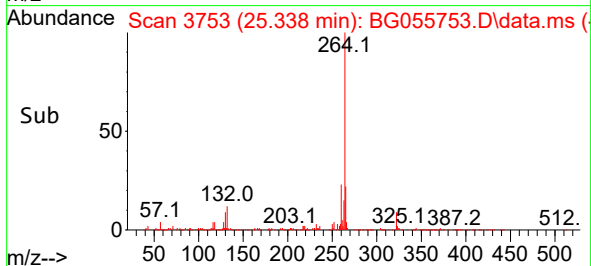
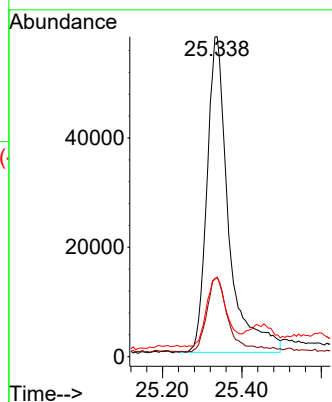
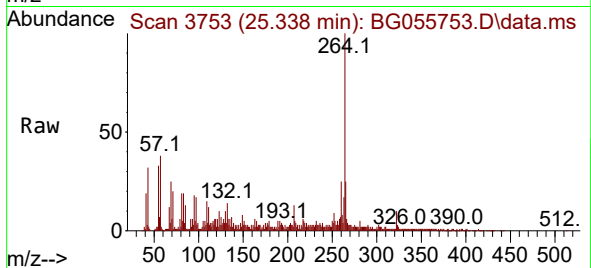
Tgt Ion:264 Resp: 218689

Ion Ratio Lower Upper

264 100

260 24.8 19.5 29.3

265 24.8 17.1 25.7



#87

Indeno(1,2,3-cd)pyrene

Concen: 6.380 ng

RT: 29.268 min Scan# 4422

Delta R.T. 0.035 min

Lab File: BG055753.D

Acq: 23 Nov 2022 00:07

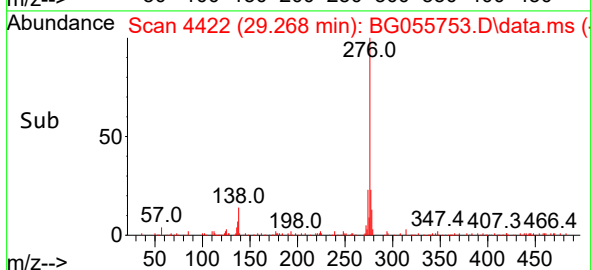
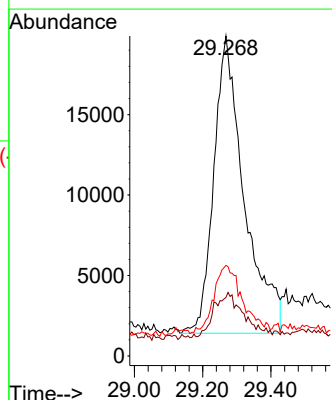
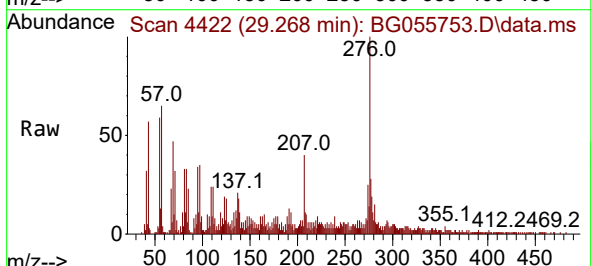
Tgt Ion:276 Resp: 114293

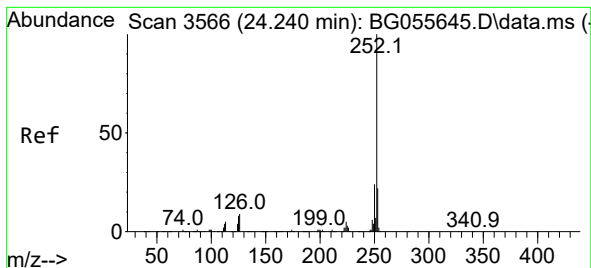
Ion Ratio Lower Upper

276 100

138 0.0 10.4 15.6#

277 21.4 20.2 30.4





#88

Benzo(b)fluoranthene

Concen: 24.752 ng

RT: 24.245 min Scan# 3567

Delta R.T. 0.023 min

Lab File: BG055753.D

Acq: 23 Nov 2022 00:07

Instrument :

BNA_G

ClientSampleId :

B-2

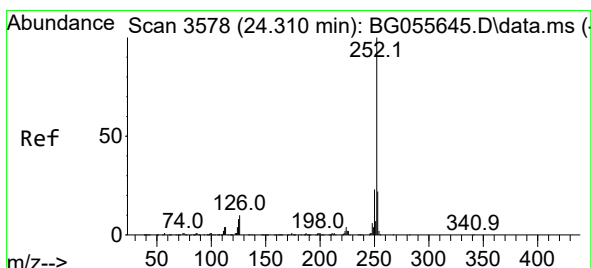
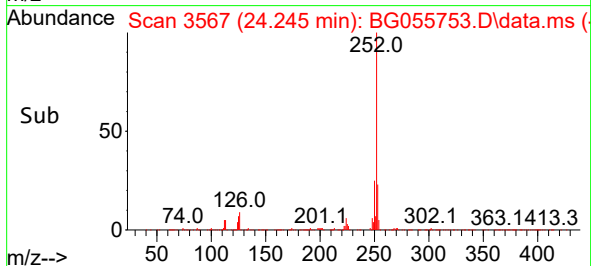
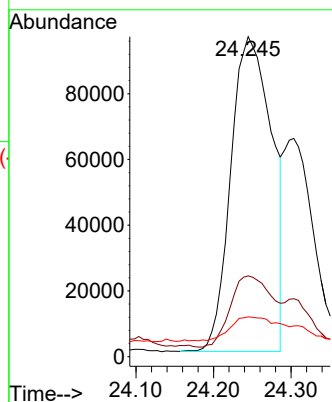
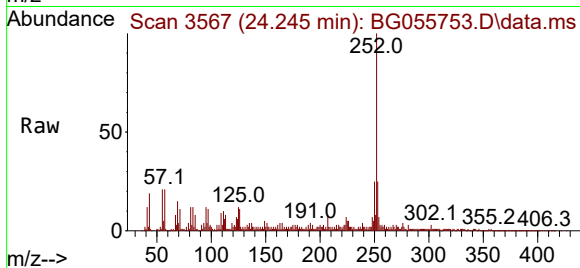
Tgt Ion:252 Resp: 352525

Ion Ratio Lower Upper

252 100

253 25.3 18.0 27.0

125 12.4 6.2 9.2#



#89

Benzo(k)fluoranthene

Concen: 24.831 ng

RT: 24.245 min Scan# 3567

Delta R.T. -0.047 min

Lab File: BG055753.D

Acq: 23 Nov 2022 00:07

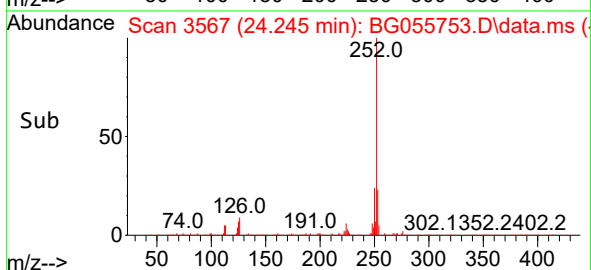
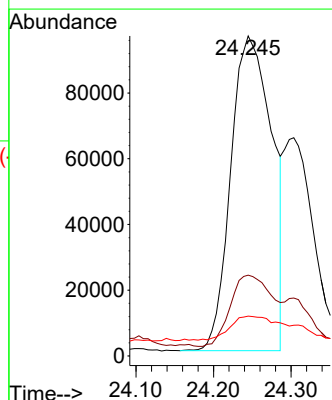
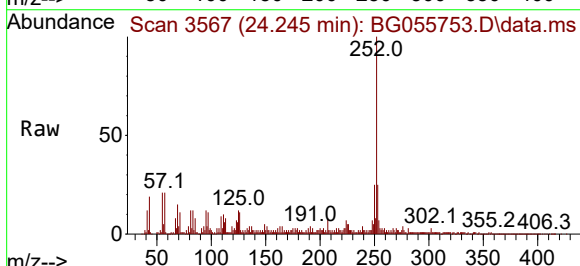
Tgt Ion:252 Resp: 352525

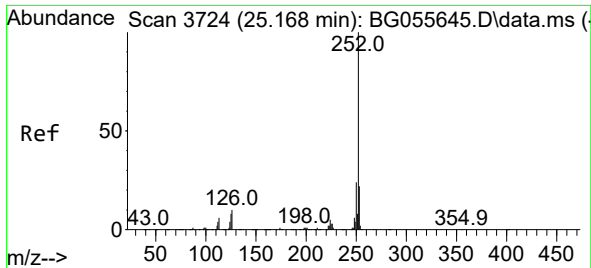
Ion Ratio Lower Upper

252 100

253 25.3 17.8 26.6

125 12.4 6.1 9.1#

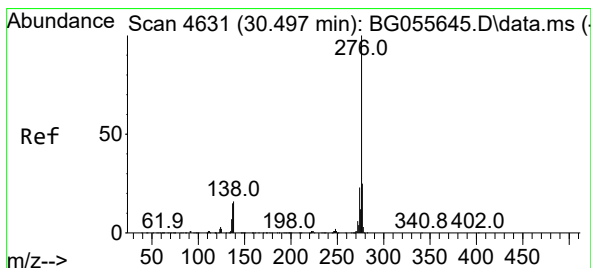
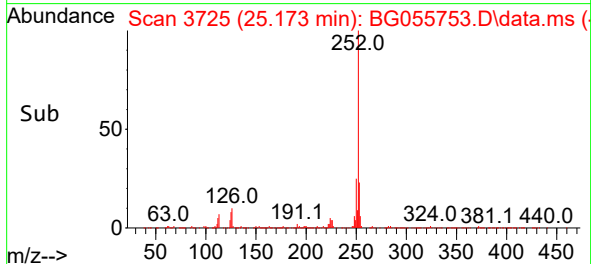
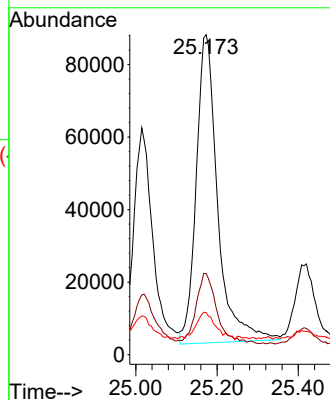
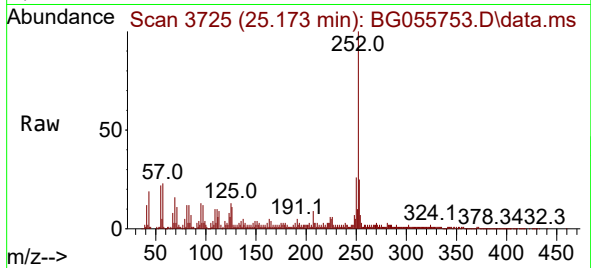




#90
 Benzo(a)pyrene
 Concen: 25.528 ng
 RT: 25.173 min Scan# 31
 Delta R.T. 0.024 min
 Lab File: BG055753.D
 Acq: 23 Nov 2022 00:07

Instrument :
 BNA_G
 ClientSampleId :
 B-2

Tgt Ion:252 Resp: 311990
 Ion Ratio Lower Upper
 252 100
 253 25.3 17.8 26.6
 125 13.1 6.4 9.6#



#92
 Benzo(g,h,i)perylene
 Concen: 6.811 ng
 RT: 30.514 min Scan# 4634
 Delta R.T. 0.053 min
 Lab File: BG055753.D
 Acq: 23 Nov 2022 00:07

Tgt Ion:276 Resp: 100493
 Ion Ratio Lower Upper
 276 100
 277 28.0 19.8 29.6
 138 18.3 13.1 19.7

