

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG021323\
 Data File : BG056625.D
 Acq On : 13 Feb 2023 18:47
 Operator : CG/JU
 Sample : 01529-08
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Feb 14 02:08:21 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG012723.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Feb 10 22:46:08 2023
 Response via : Initial Calibration

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

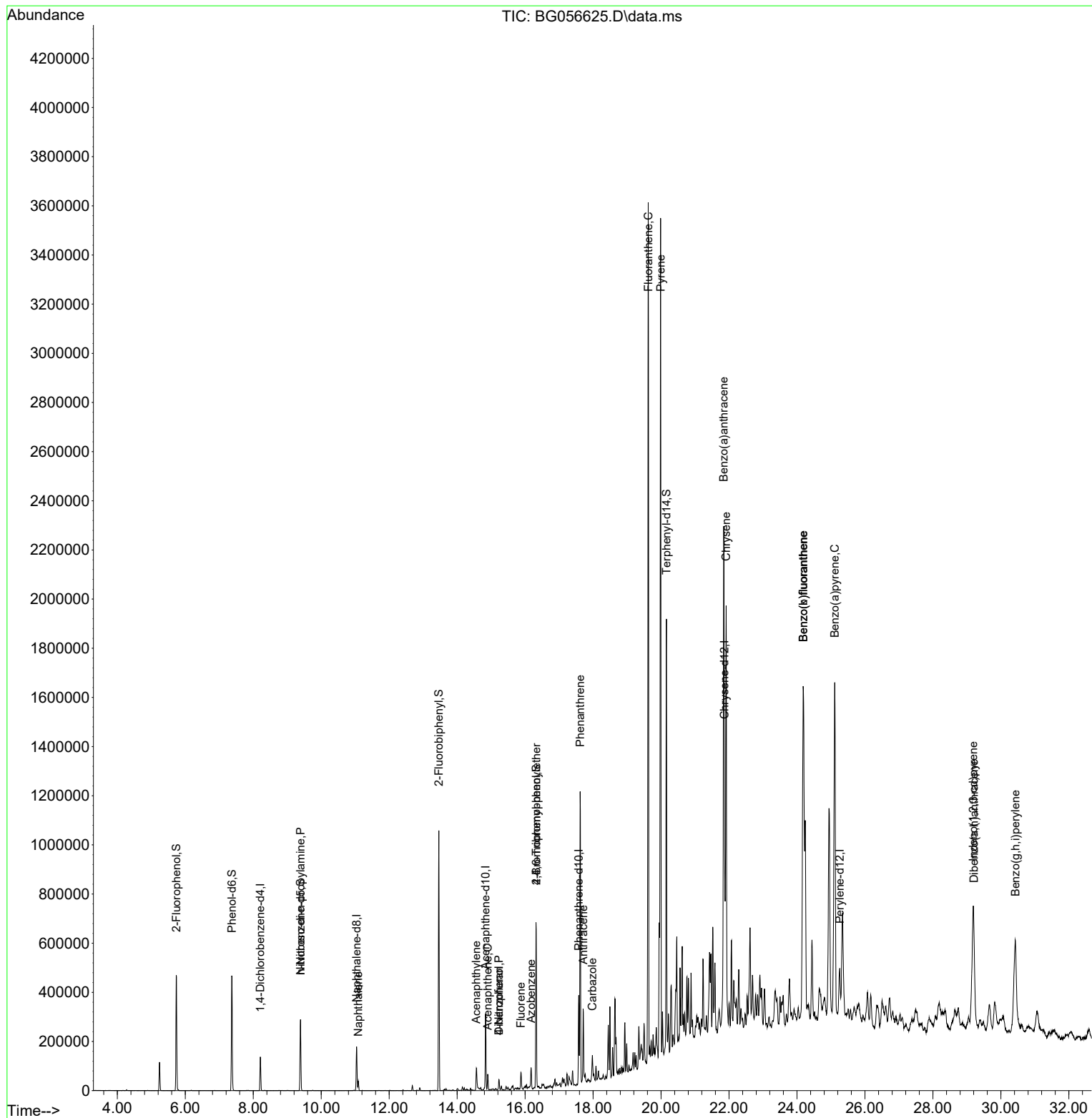
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.208	152	46409	20.000	ng	# 0.00
21) Naphthalene-d8	11.040	136	168315	20.000	ng	0.00
39) Acenaphthene-d10	14.835	164	114800	20.000	ng	0.00
64) Phenanthrene-d10	17.579	188	253775	20.000	ng	0.00
76) Chrysene-d12	21.862	240	233541	20.000	ng	0.00
86) Perylene-d12	25.258	264	265262	20.000	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.740	112	280660	111.249	ng	0.01
7) Phenol-d6	7.373	99	371474	99.379	ng	0.00
23) Nitrobenzene-d5	9.389	82	201479	67.974	ng	0.00
42) 2,4,6-Tribromophenol	16.328	330	146671	96.102	ng	0.00
45) 2-Fluorobiphenyl	13.460	172	603782	72.918	ng	0.00
79) Terphenyl-d14	20.158	244	878464	66.066	ng	0.00
Target Compounds						Qvalue
9) Benzaldehyde	7.350	77	554	Below Cal	#	63
19) n-Nitroso-di-n-propyla...	9.389	70	25514	11.844	ng	# 72
31) Naphthalene	11.093	128	35551	4.002	ng	99
49) Acenaphthylene	14.565	152	109360	10.328	ng	99
52) Acenaphthene	14.900	154	23240	3.701	ng	94
55) Dibenzofuran	15.229	168	26179	2.325	ng	97
56) 4-Nitrophenol	15.229	139	8488	6.326	ng	# 11
58) Fluorene	15.875	166	32669	3.646	ng	96
63) Azobenzene	16.175	77	17430	2.905	ng	# 1
67) 4-Bromophenyl-phenylether	16.328	248	11414	3.513	ng	# 1
71) Phenanthrene	17.620	178	802039	60.385	ng	99
72) Anthracene	17.708	178	218175	16.002	ng	99
73) Carbazole	17.979	167	75380	6.491	ng	99
75) Fluoranthene	19.624	202	2383731	142.197	ng	95
78) Pyrene	19.988	202	2419950	145.693	ng	95
81) Benzo(a)anthracene	21.845	228	1508970	92.421	ng	96
83) Chrysene	21.915	228	1322366	86.209	ng	96
87) Indeno(1,2,3-cd)pyrene	29.189	276	1006722	51.846	ng	# 95
88) Benzo(b)fluoranthene	24.183	252	2050239	124.524	ng	98
89) Benzo(k)fluoranthene	24.183	252	2050239	123.336	ng	97
90) Benzo(a)pyrene	25.111	252	1706855	105.241	ng	98
91) Dibenzo(a,h)anthracene	29.207	278	237751	14.587	ng	# 80
92) Benzo(g,h,i)perylene	30.429	276	1022587	65.022	ng	97

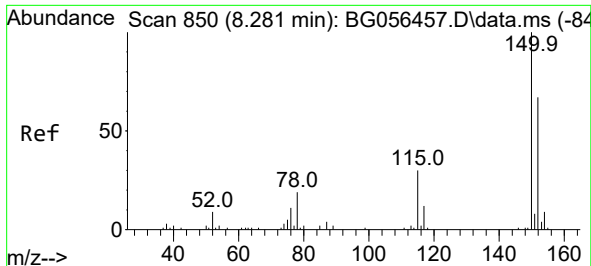
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG021323\
Data File : BG056625.D
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ClientSampleId :

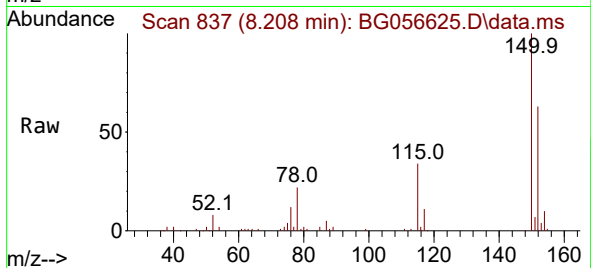
Quant Time: Feb 14 02:08:21 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG012723.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Feb 10 22:46:08 2023
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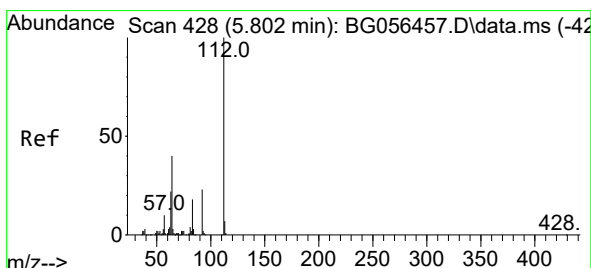
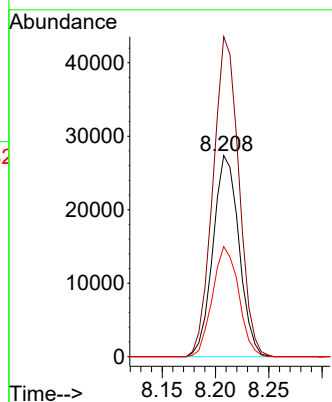
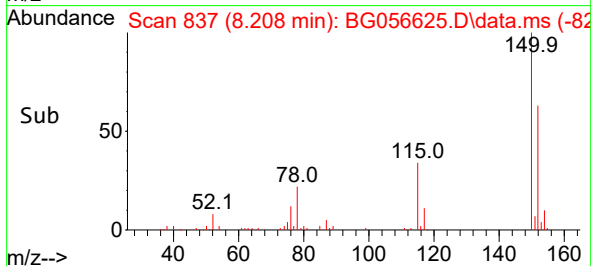


#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 8.208 min Scan# 81
 Delta R.T. 0.001 min
 Lab File: BG056625.D
 Acq: 13 Feb 2023 18:47

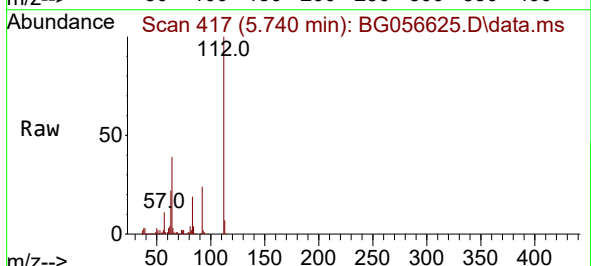
Instrument :
 BNA_G
 ClientSampleId :



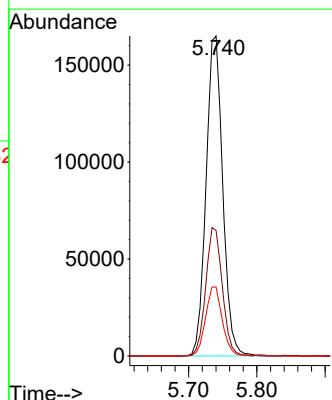
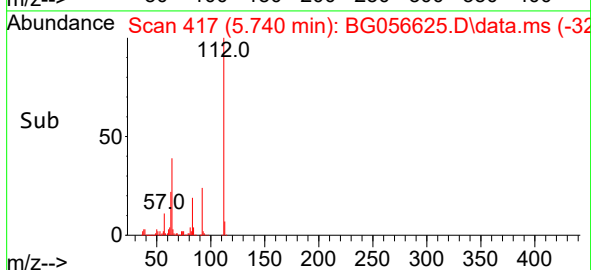
Tgt Ion:152 Resp: 46409
 Ion Ratio Lower Upper
 152 100
 150 159.2 120.2 180.4
 115 54.7 36.3 54.5#

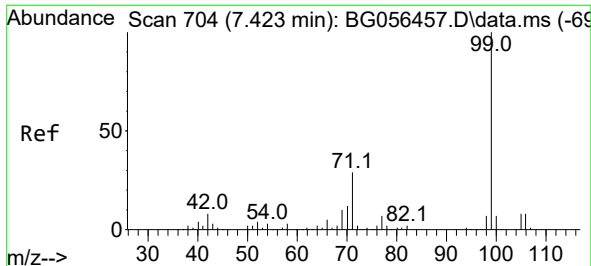


#5
 2-Fluorophenol
 Concen: 111.249 ng
 RT: 5.740 min Scan# 417
 Delta R.T. 0.012 min
 Lab File: BG056625.D
 Acq: 13 Feb 2023 18:47



Tgt Ion:112 Resp: 280660
 Ion Ratio Lower Upper
 112 100
 64 39.3 31.9 47.9
 63 21.6 17.4 26.0

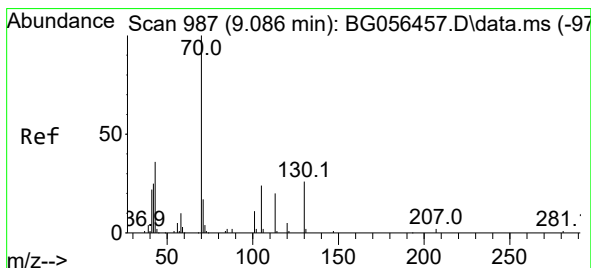
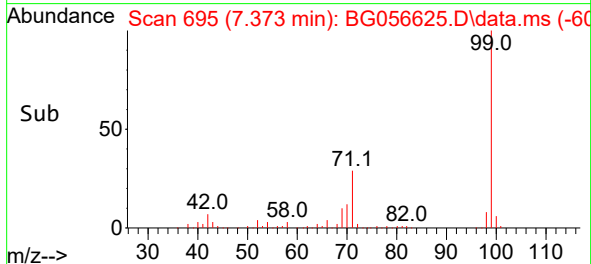
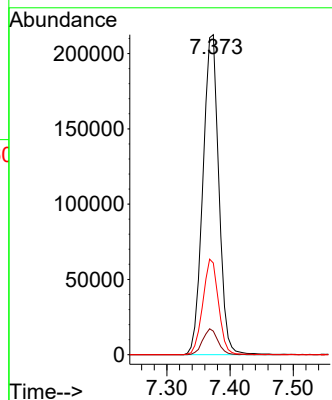
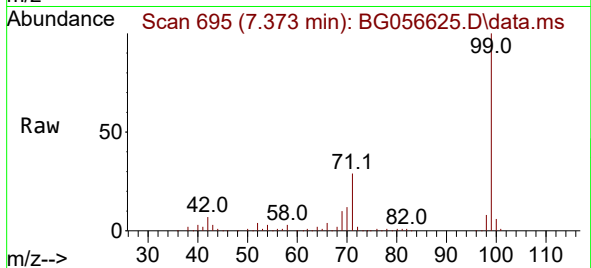




#7
Phenol-d6
Concen: 99.379 ng
RT: 7.373 min Scan# 61
Delta R.T. 0.006 min
Lab File: BG056625.D
Acq: 13 Feb 2023 18:47

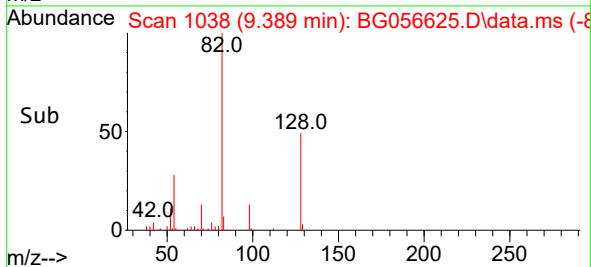
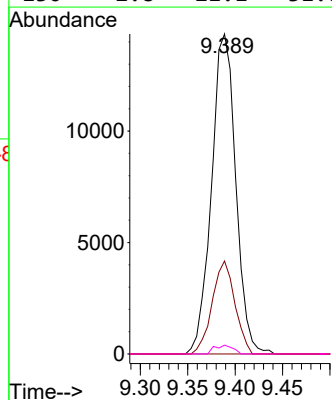
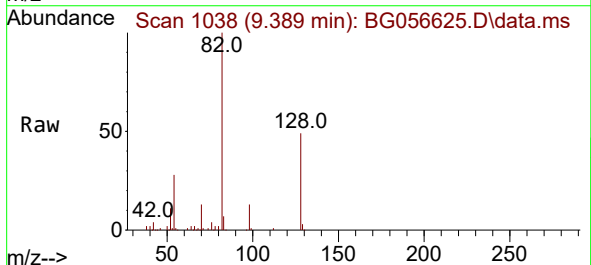
Instrument :
BNA_G
ClientSampleId :

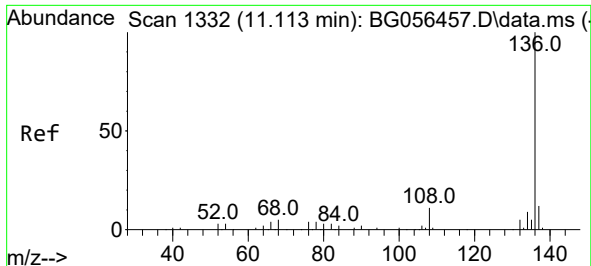
Tgt Ion: 99 Resp: 371474
Ion Ratio Lower Upper
99 100
42 7.3 6.6 10.0
71 28.7 23.4 35.0



#19
n-Nitroso-di-n-propylamine
Concen: 11.844 ng
RT: 9.389 min Scan# 1038
Delta R.T. 0.371 min
Lab File: BG056625.D
Acq: 13 Feb 2023 18:47

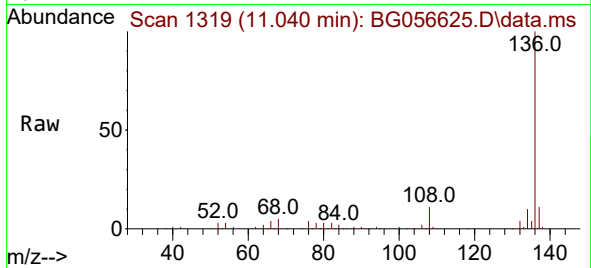
Tgt Ion: 70 Resp: 25514
Ion Ratio Lower Upper
70 100
42 29.1 20.2 30.4
101 0.0 9.1 13.7#
130 2.8 21.1 31.7#



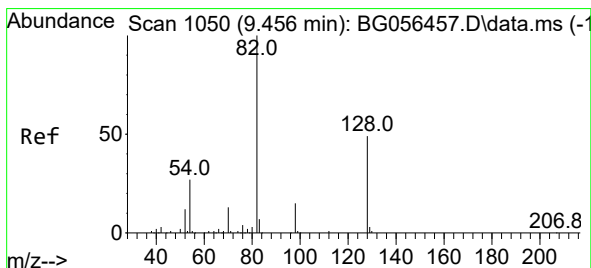
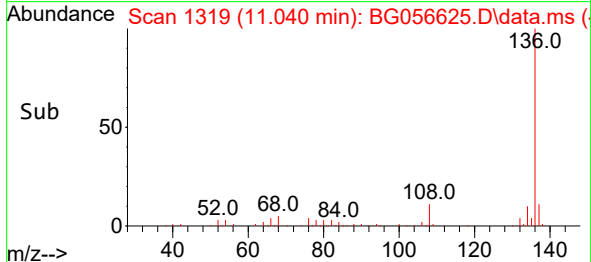
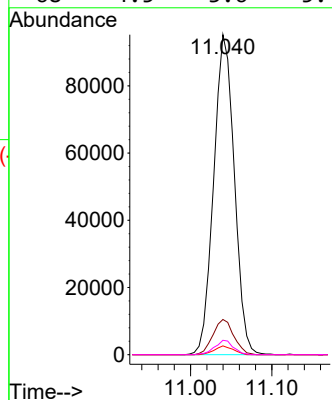


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.040 min Scan# 11
Delta R.T. -0.005 min
Lab File: BG056625.D
Acq: 13 Feb 2023 18:47

Instrument :
BNA_G
ClientSampleId :

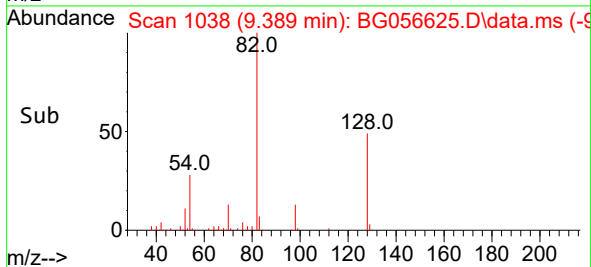
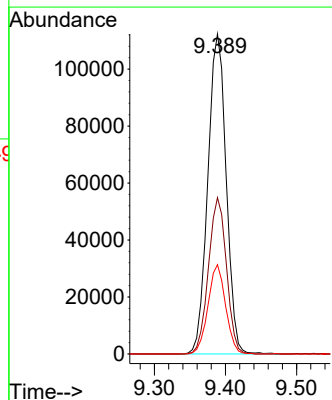
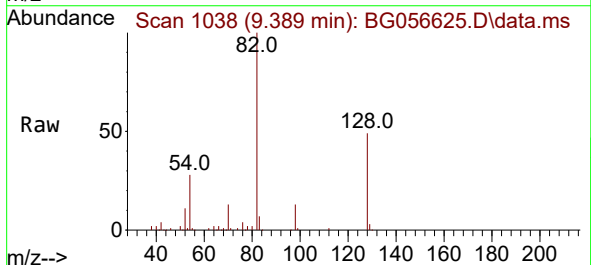


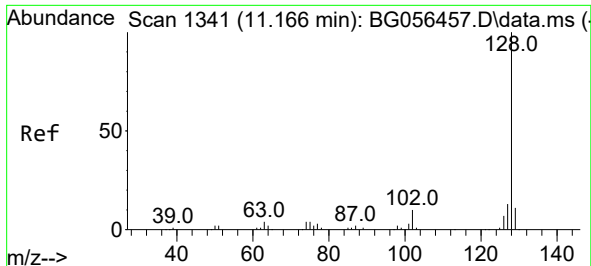
Tgt Ion:136 Resp: 168315
Ion Ratio Lower Upper
136 100
137 11.0 9.4 14.0
54 2.7 2.2 3.4
68 4.5 3.6 5.4



#23
Nitrobenzene-d5
Concen: 67.974 ng
RT: 9.389 min Scan# 1038
Delta R.T. 0.000 min
Lab File: BG056625.D
Acq: 13 Feb 2023 18:47

Tgt Ion: 82 Resp: 201479
Ion Ratio Lower Upper
82 100
128 48.8 39.4 59.2
54 27.9 21.4 32.2

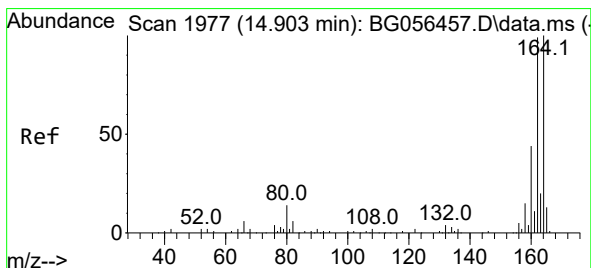
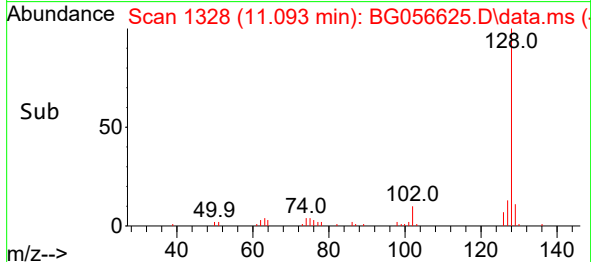
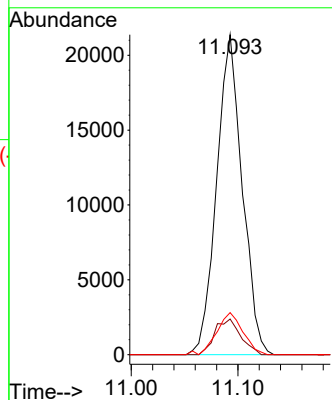
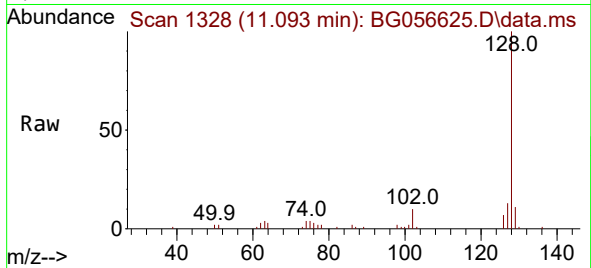




#31
Naphthalene
Concen: 4.002 ng
RT: 11.093 min Scan# 11
Delta R.T. -0.005 min
Lab File: BG056625.D
Acq: 13 Feb 2023 18:47

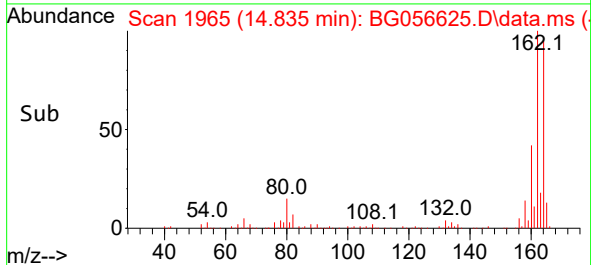
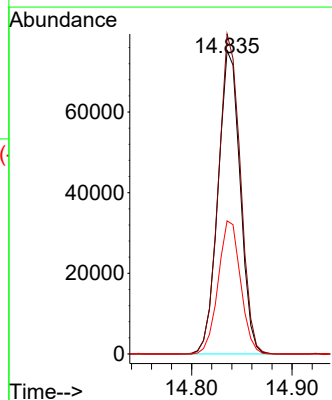
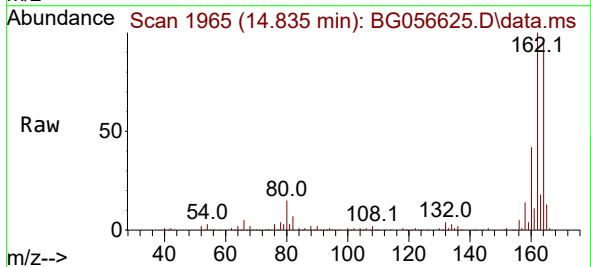
Instrument :
BNA_G
ClientSampleId :

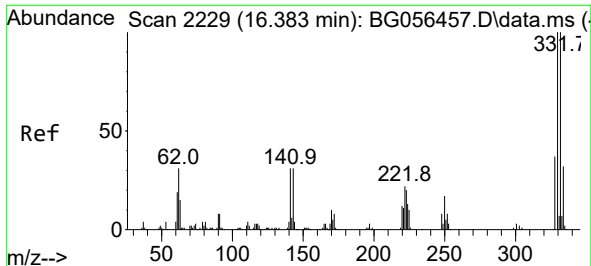
Tgt Ion:128 Resp: 35551
Ion Ratio Lower Upper
128 100
129 11.1 8.7 13.1
127 13.2 10.4 15.6



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.835 min Scan# 1965
Delta R.T. -0.005 min
Lab File: BG056625.D
Acq: 13 Feb 2023 18:47

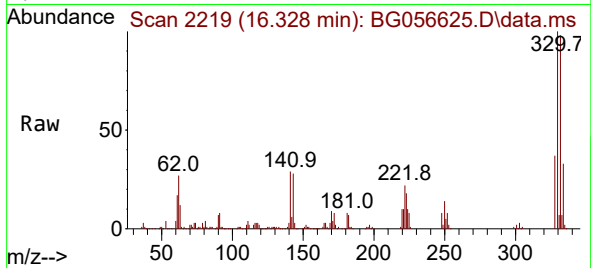
Tgt Ion:164 Resp: 114800
Ion Ratio Lower Upper
164 100
162 105.5 79.6 119.4
160 43.9 34.9 52.3



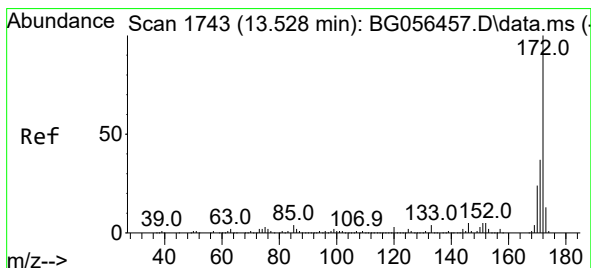
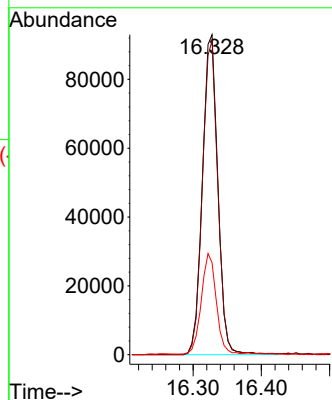
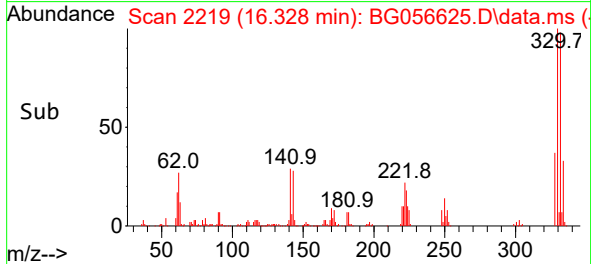


#42
 2,4,6-Tribromophenol
 Concen: 96.102 ng
 RT: 16.328 min Scan# 21
 Delta R.T. 0.000 min
 Lab File: BG056625.D
 Acq: 13 Feb 2023 18:47

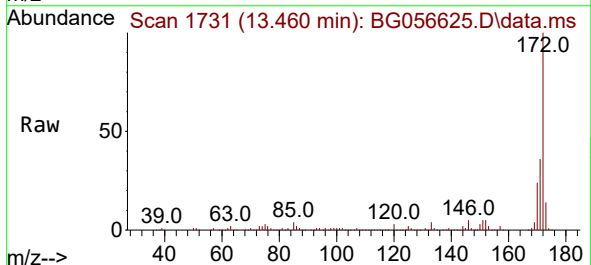
Instrument :
 BNA_G
 ClientSampleId :



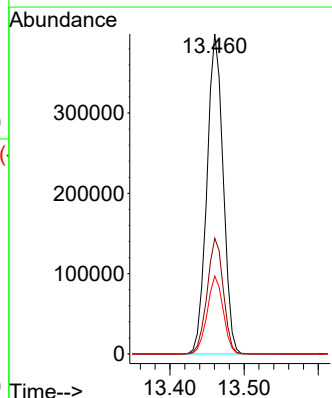
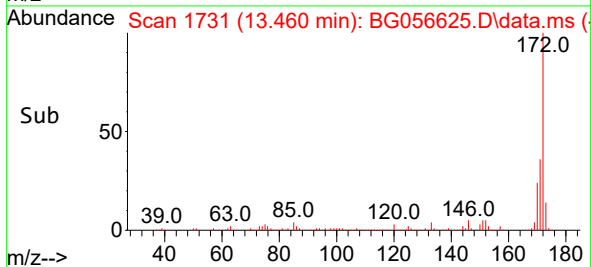
Tgt Ion:330 Resp: 146671
 Ion Ratio Lower Upper
 330 100
 332 97.2 79.0 118.6
 141 30.2 24.2 36.4

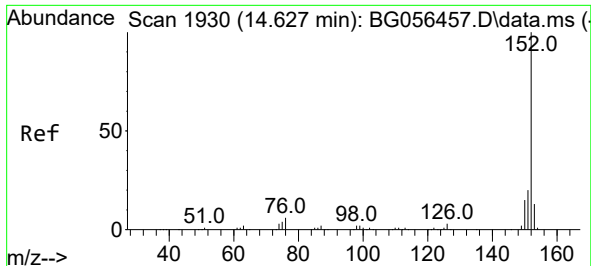


#45
 2-Fluorobiphenyl
 Concen: 72.918 ng
 RT: 13.460 min Scan# 1731
 Delta R.T. -0.005 min
 Lab File: BG056625.D
 Acq: 13 Feb 2023 18:47



Tgt Ion:172 Resp: 603782
 Ion Ratio Lower Upper
 172 100
 171 36.1 29.5 44.3
 170 24.4 19.2 28.8





#49

Acenaphthylene

Concen: 10.328 ng

RT: 14.565 min Scan# 1919

Delta R.T. -0.005 min

Lab File: BG056625.D

Acq: 13 Feb 2023 18:47

Instrument :

BNA_G

ClientSampleId :

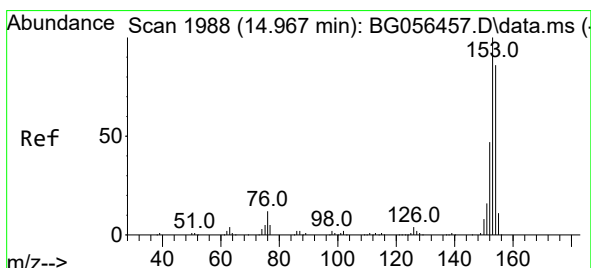
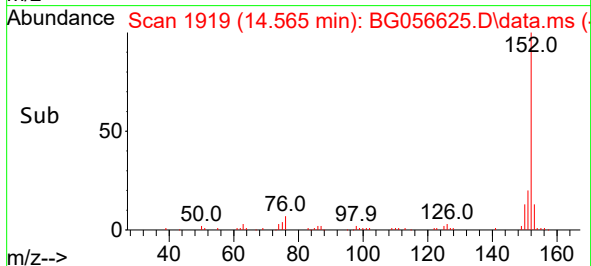
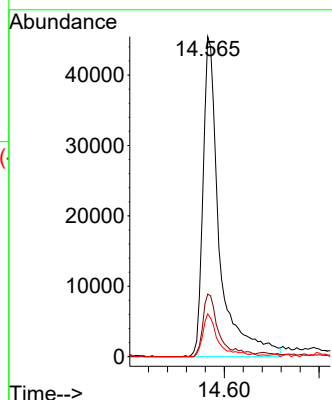
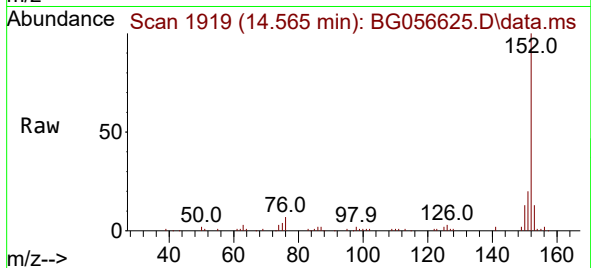
Tgt Ion:152 Resp: 109360

Ion Ratio Lower Upper

152 100

151 19.5 15.9 23.9

153 13.3 10.5 15.7



#52

Acenaphthene

Concen: 3.701 ng

RT: 14.900 min Scan# 1976

Delta R.T. -0.005 min

Lab File: BG056625.D

Acq: 13 Feb 2023 18:47

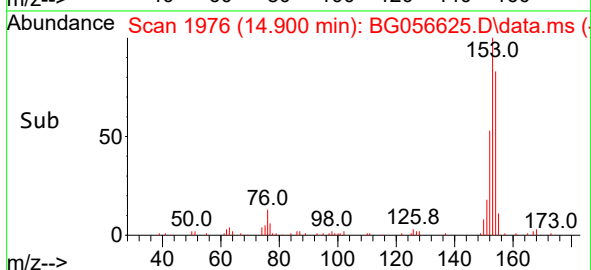
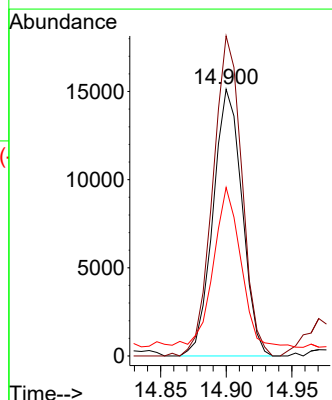
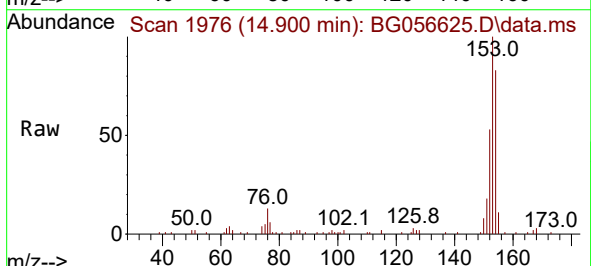
Tgt Ion:154 Resp: 23240

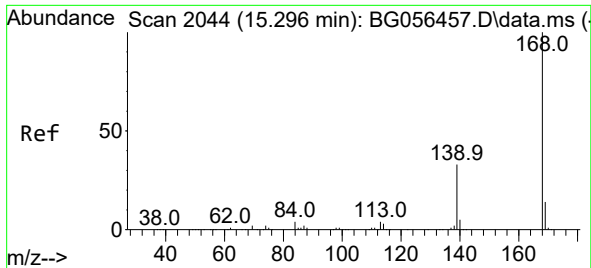
Ion Ratio Lower Upper

154 100

153 119.9 93.4 140.0

152 63.1 43.4 65.2

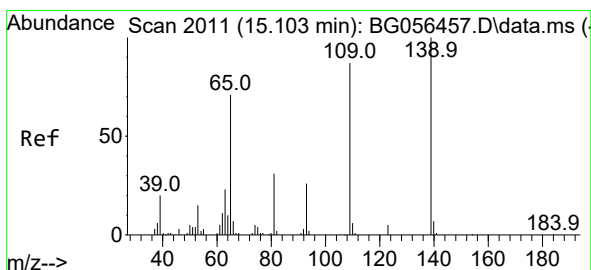
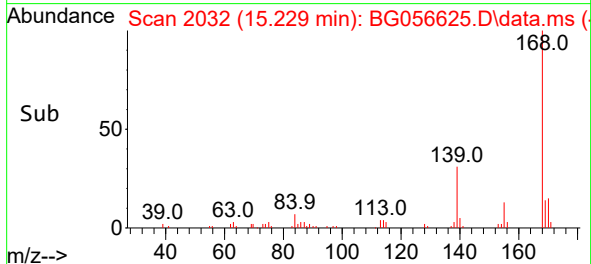
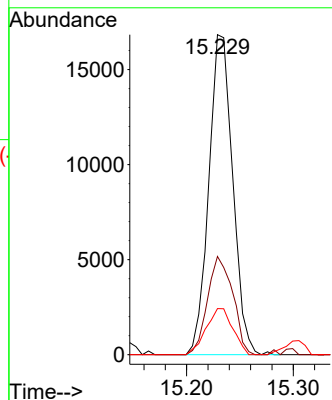
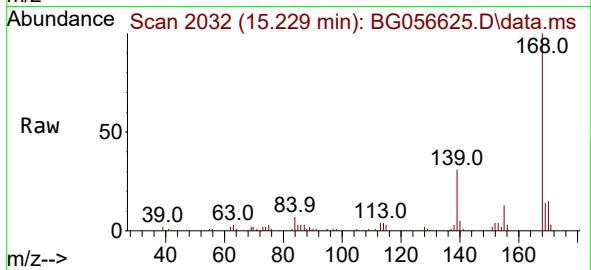




#55
Dibenzenofuran
Concen: 2.325 ng
RT: 15.229 min Scan# 2032
Delta R.T. -0.011 min
Lab File: BG056625.D
Acq: 13 Feb 2023 18:47

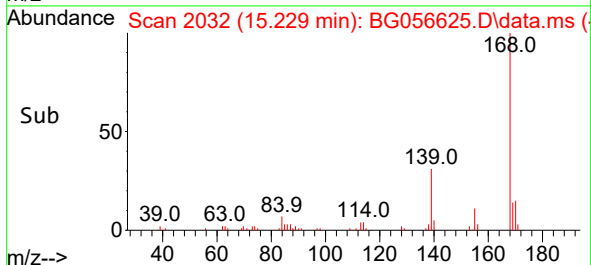
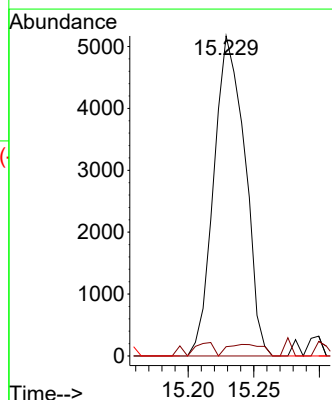
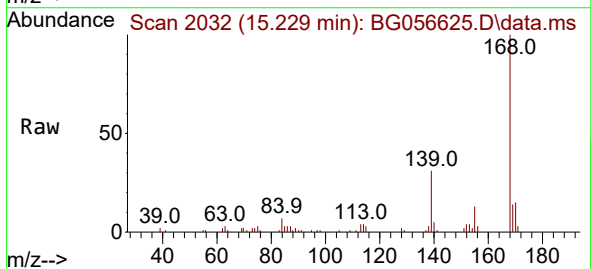
Instrument :
BNA_G
ClientSampleId :

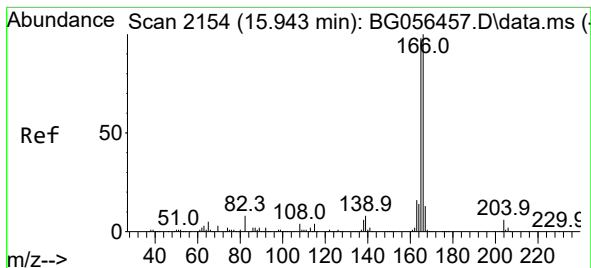
Tgt Ion:168 Resp: 26179
Ion Ratio Lower Upper
168 100
139 30.7 26.2 39.2
169 14.4 11.0 16.6



#56
4-Nitrophenol
Concen: 6.326 ng
RT: 15.229 min Scan# 2032
Delta R.T. 0.159 min
Lab File: BG056625.D
Acq: 13 Feb 2023 18:47

Tgt Ion:139 Resp: 8488
Ion Ratio Lower Upper
139 100
109 2.9 67.5 107.5#
65 0.0 50.7 90.7#





#58

Fluorene

Concen: 3.646 ng

RT: 15.875 min Scan# 21

Delta R.T. -0.011 min

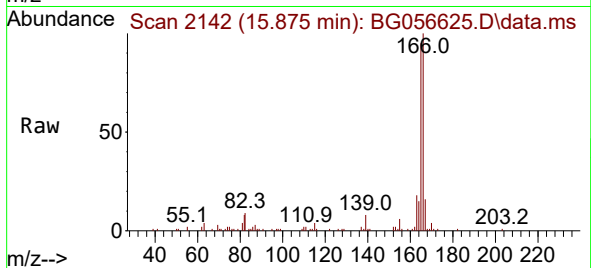
Lab File: BG056625.D

Acq: 13 Feb 2023 18:47

Instrument :

BNA_G

ClientSampleId :



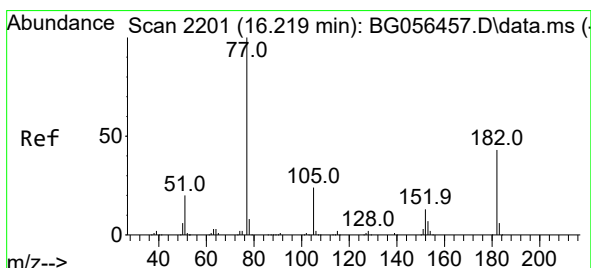
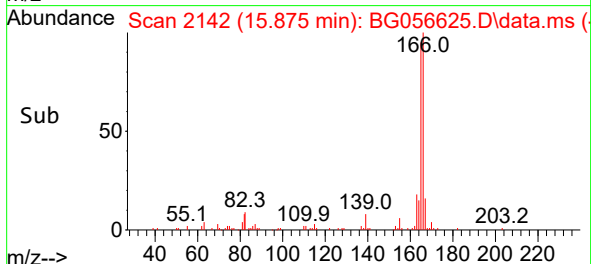
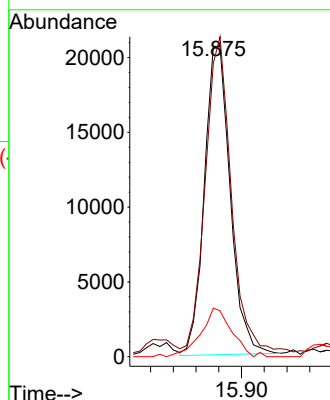
Tgt Ion:166 Resp: 32669

Ion Ratio Lower Upper

166 100

165 94.5 78.8 118.2

167 15.6 10.6 15.8



#63

Azobenzene

Concen: 2.905 ng

RT: 16.175 min Scan# 2193

Delta R.T. 0.018 min

Lab File: BG056625.D

Acq: 13 Feb 2023 18:47

Tgt Ion: 77 Resp: 17430

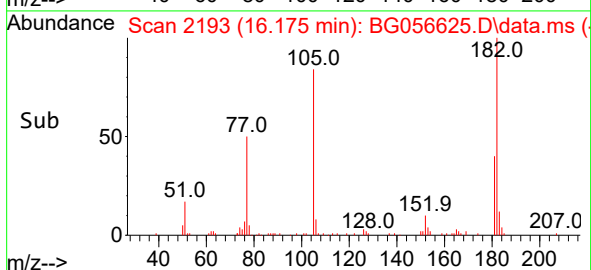
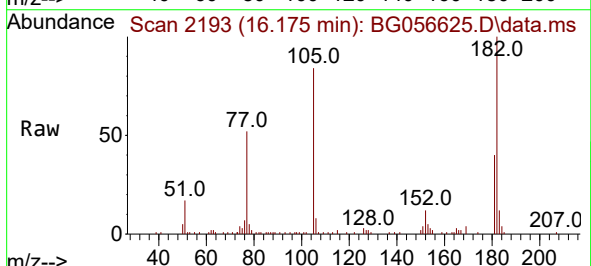
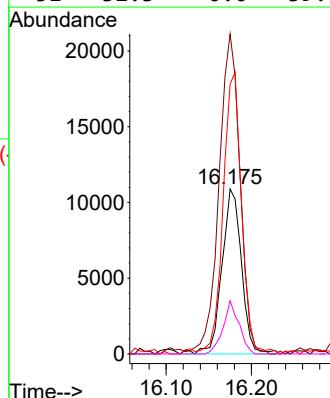
Ion Ratio Lower Upper

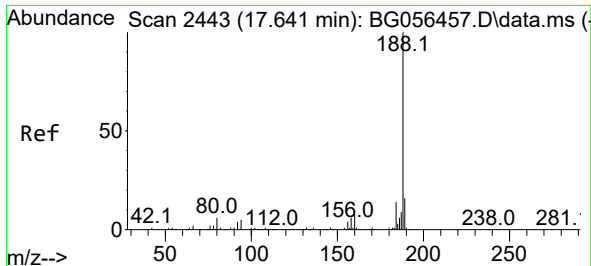
77 100

182 193.9 23.1 63.1#

105 163.5 4.2 44.2#

51 32.3 0.0 39.8

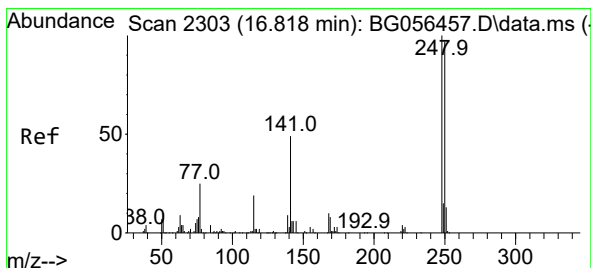
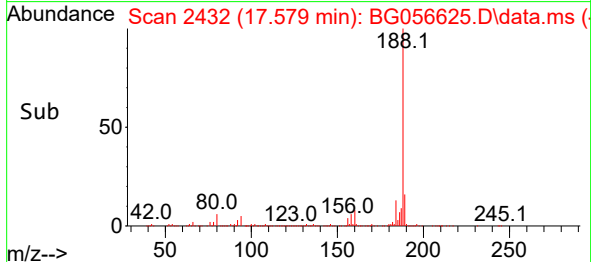
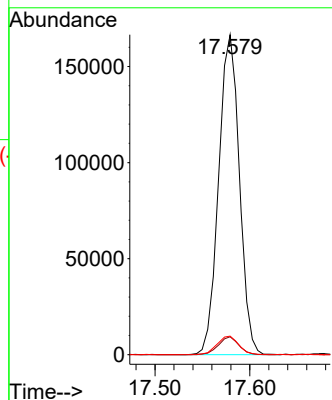
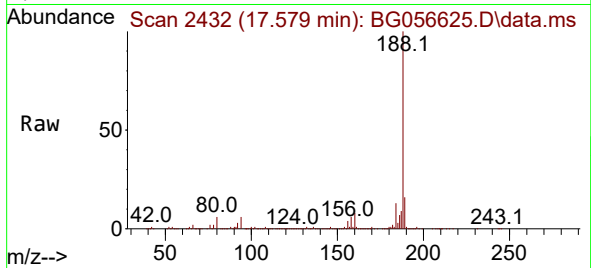




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.579 min Scan# 2443
Delta R.T. -0.005 min
Lab File: BG056625.D
Acq: 13 Feb 2023 18:47

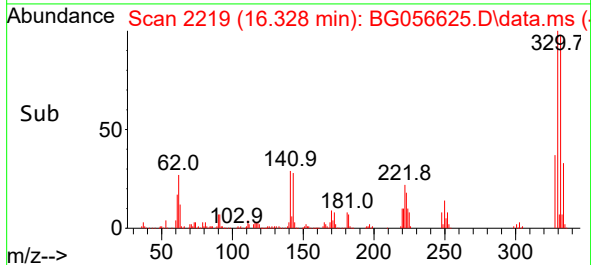
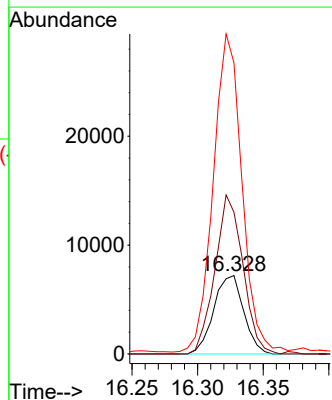
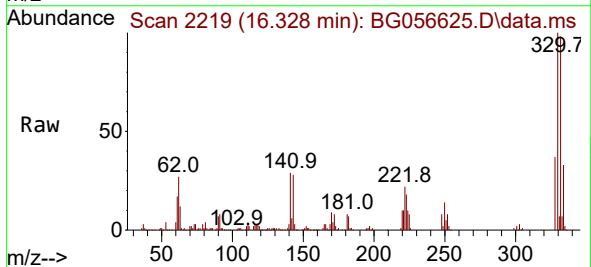
Instrument :
BNA_G
ClientSampleId :

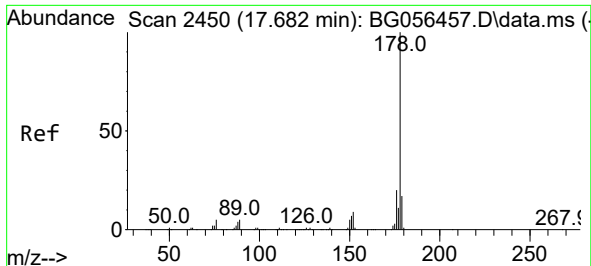
Tgt Ion:188 Resp: 253775
Ion Ratio Lower Upper
188 100
94 5.6 4.1 6.1
80 5.8 5.0 7.4



#67
4-Bromophenyl-phenylether
Concen: 3.513 ng
RT: 16.328 min Scan# 2219
Delta R.T. -0.428 min
Lab File: BG056625.D
Acq: 13 Feb 2023 18:47

Tgt Ion:248 Resp: 11414
Ion Ratio Lower Upper
248 100
250 140.2 77.6 116.4#
141 287.6 39.0 58.4#

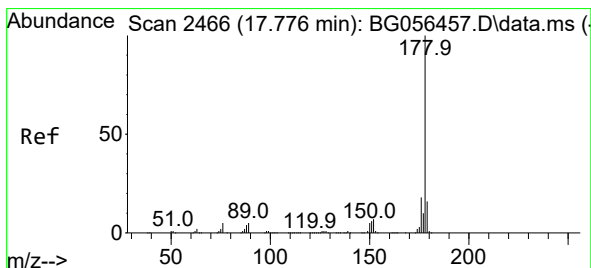
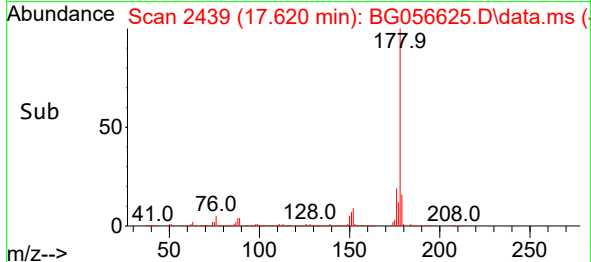
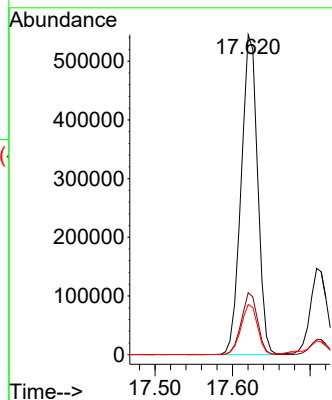
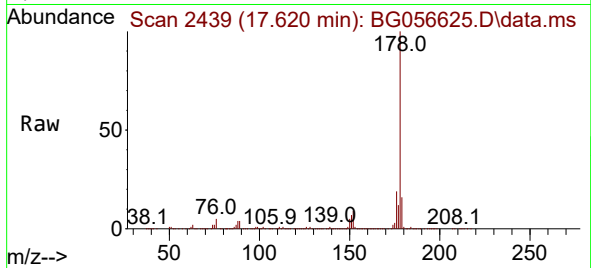




#71
Phenanthrene
Concen: 60.385 ng
RT: 17.620 min Scan# 24
Delta R.T. -0.005 min
Lab File: BG056625.D
Acq: 13 Feb 2023 18:47

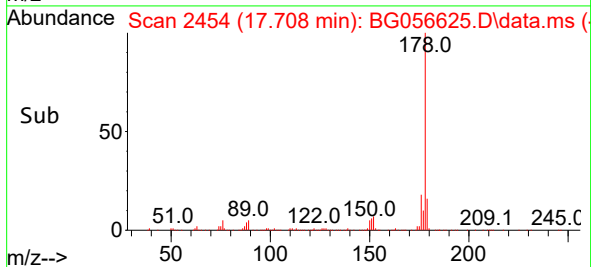
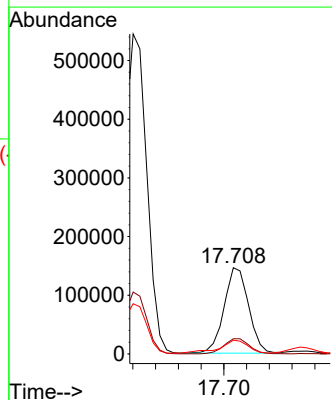
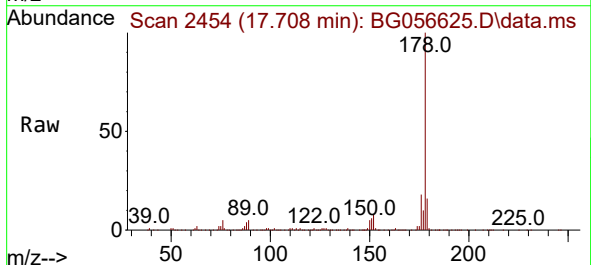
Instrument :
BNA_G
ClientSampleId :

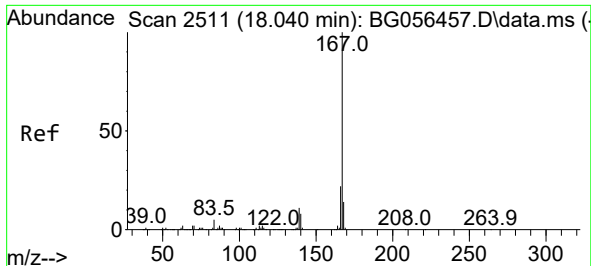
Tgt Ion:178 Resp: 802039
Ion Ratio Lower Upper
178 100
176 19.3 15.6 23.4
179 15.7 13.3 19.9



#72
Anthracene
Concen: 16.002 ng
RT: 17.708 min Scan# 2454
Delta R.T. -0.005 min
Lab File: BG056625.D
Acq: 13 Feb 2023 18:47

Tgt Ion:178 Resp: 218175
Ion Ratio Lower Upper
178 100
176 17.6 14.5 21.7
179 15.9 12.5 18.7

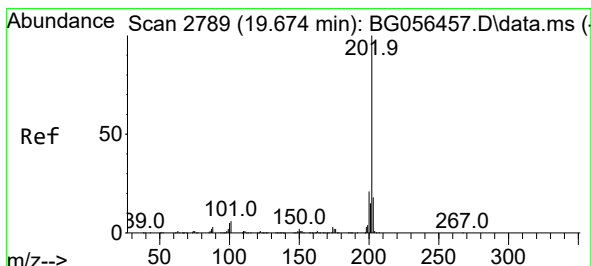
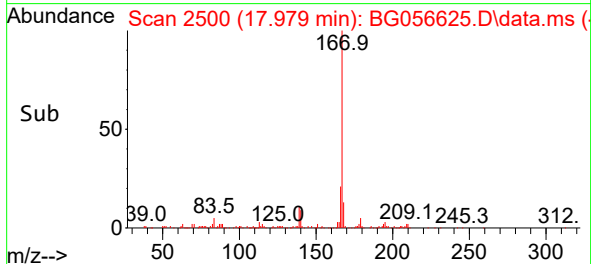
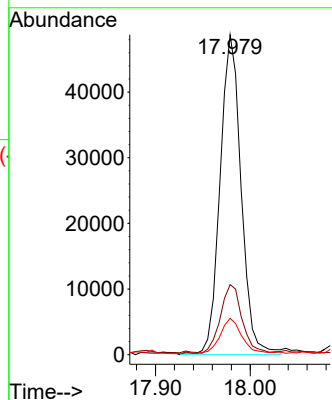
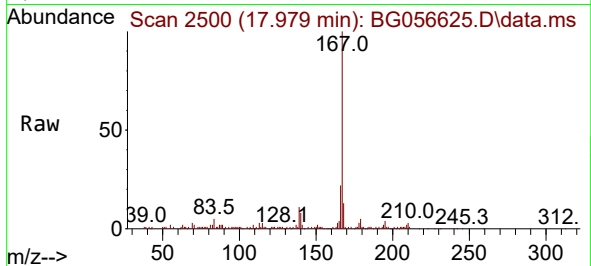




#73
 Carbazole
 Concen: 6.491 ng
 RT: 17.979 min Scan# 21
 Delta R.T. -0.005 min
 Lab File: BG056625.D
 Acq: 13 Feb 2023 18:47

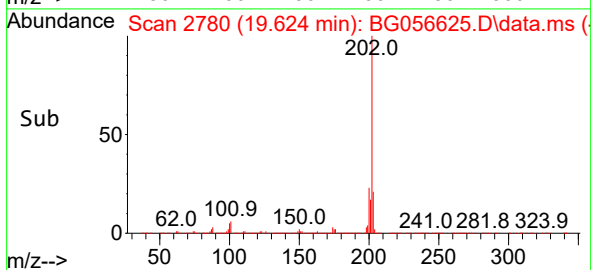
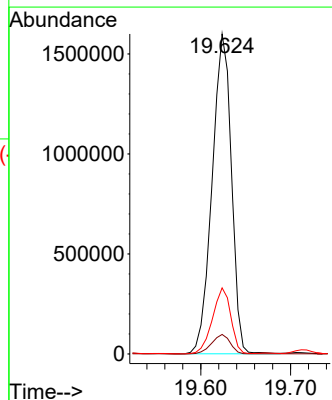
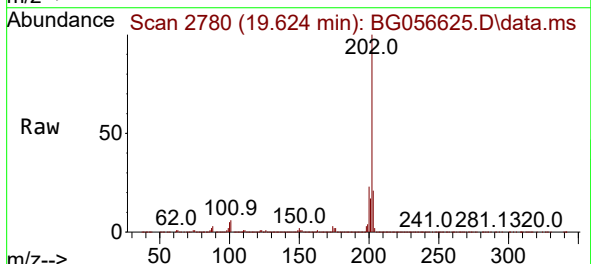
Instrument :
 BNA_G
 ClientSampleId :

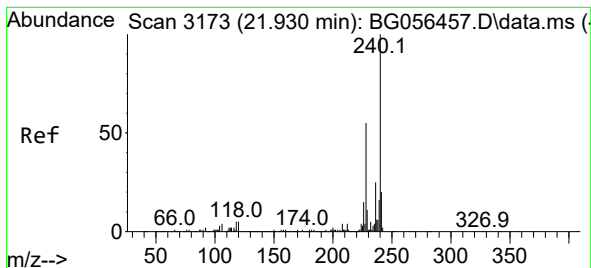
Tgt Ion:167 Resp: 75380
 Ion Ratio Lower Upper
 167 100
 166 21.9 17.8 26.6
 139 11.4 8.9 13.3



#75
 Fluoranthene
 Concen: 142.197 ng
 RT: 19.624 min Scan# 2780
 Delta R.T. 0.000 min
 Lab File: BG056625.D
 Acq: 13 Feb 2023 18:47

Tgt Ion:202 Resp: 2383731
 Ion Ratio Lower Upper
 202 100
 101 6.1 0.0 25.6
 203 20.6 0.0 38.1





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.862 min Scan# 31

Delta R.T. 0.000 min

Lab File: BG056625.D

Acq: 13 Feb 2023 18:47

Instrument :

BNA_G

ClientSampleId :

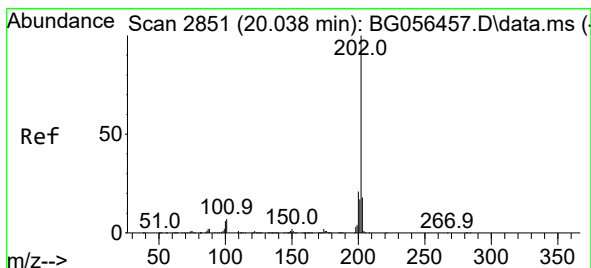
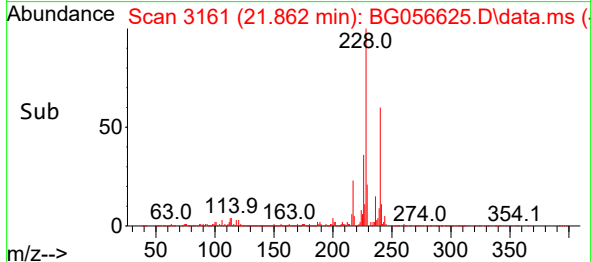
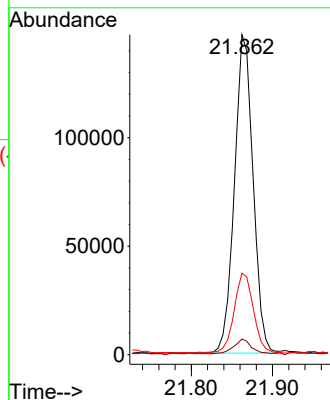
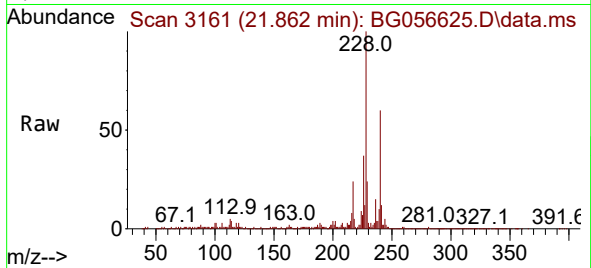
Tgt Ion:240 Resp: 233541

Ion Ratio Lower Upper

240 100

120 4.9 3.8 5.8

236 25.5 20.2 30.2



#78

Pyrene

Concen: 145.693 ng

RT: 19.988 min Scan# 2842

Delta R.T. 0.006 min

Lab File: BG056625.D

Acq: 13 Feb 2023 18:47

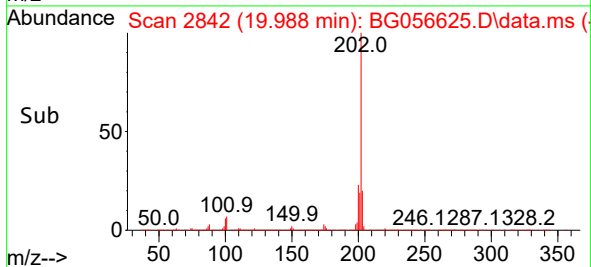
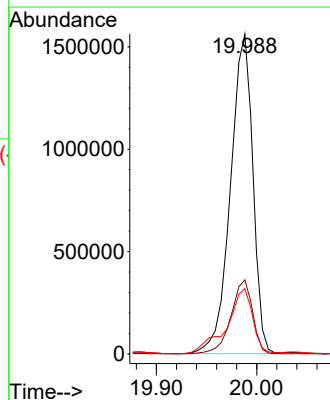
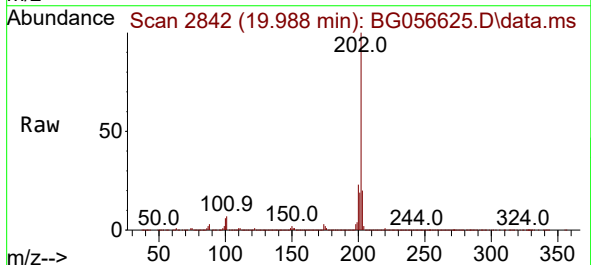
Tgt Ion:202 Resp: 2419950

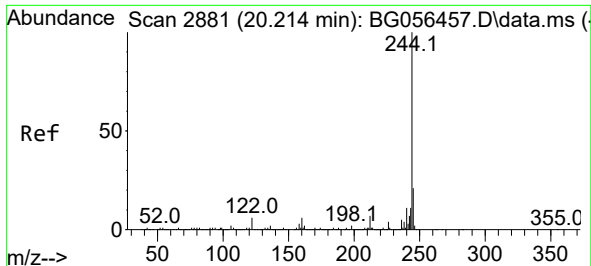
Ion Ratio Lower Upper

202 100

200 23.2 16.7 25.1

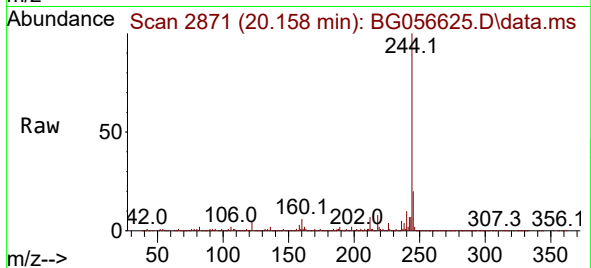
203 20.4 14.4 21.6



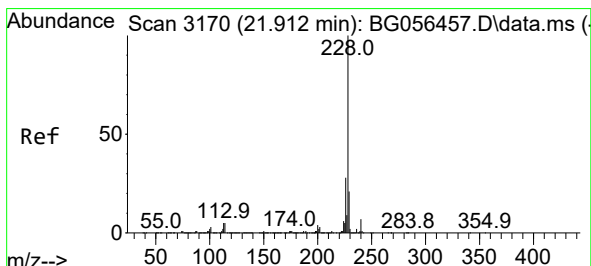
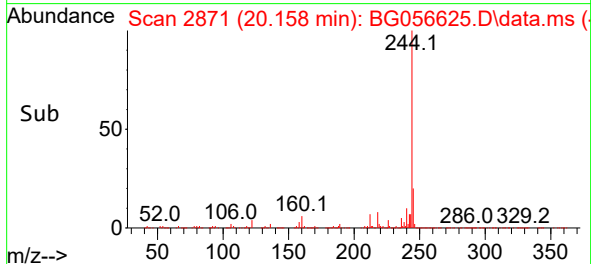
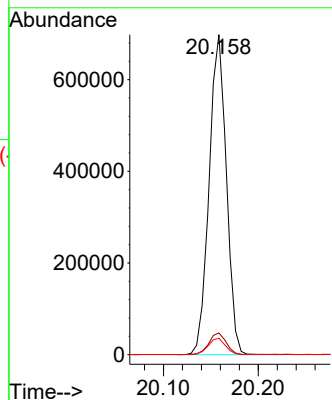


#79
 Terphenyl-d14
 Concen: 66.066 ng
 RT: 20.158 min Scan# 21
 Delta R.T. 0.000 min
 Lab File: BG056625.D
 Acq: 13 Feb 2023 18:47

Instrument :
 BNA_G
 ClientSampleId :

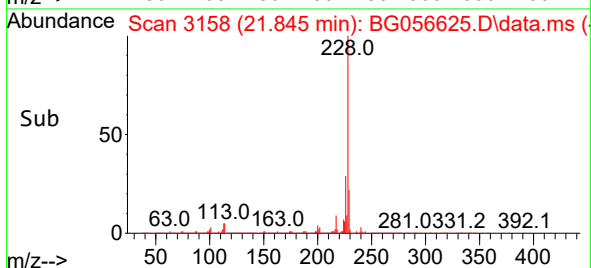
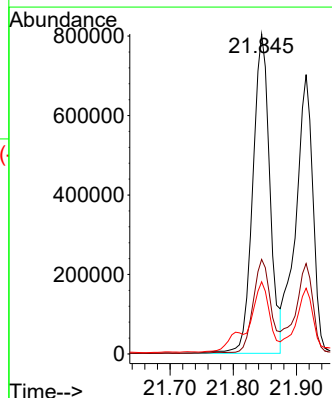
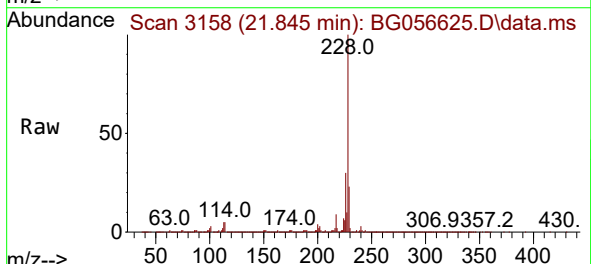


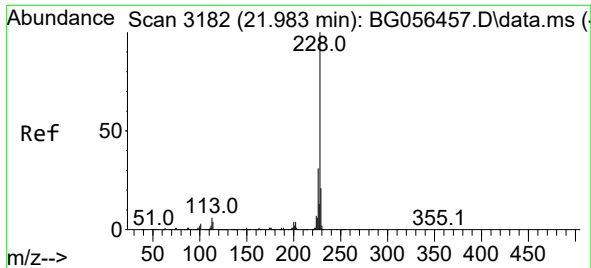
Tgt Ion:244 Resp: 878464
 Ion Ratio Lower Upper
 244 100
 212 6.8 5.5 8.3
 122 5.1 4.4 6.6



#81
 Benzo(a)anthracene
 Concen: 92.421 ng
 RT: 21.845 min Scan# 3158
 Delta R.T. 0.006 min
 Lab File: BG056625.D
 Acq: 13 Feb 2023 18:47

Tgt Ion:228 Resp: 1508970
 Ion Ratio Lower Upper
 228 100
 226 29.6 22.4 33.6
 229 22.6 16.5 24.7

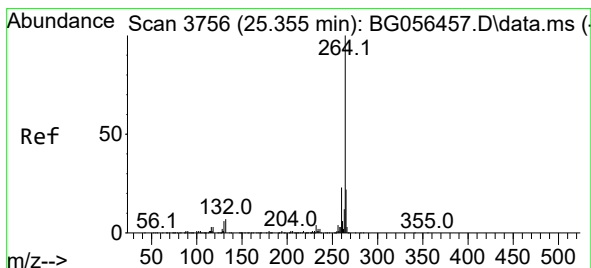
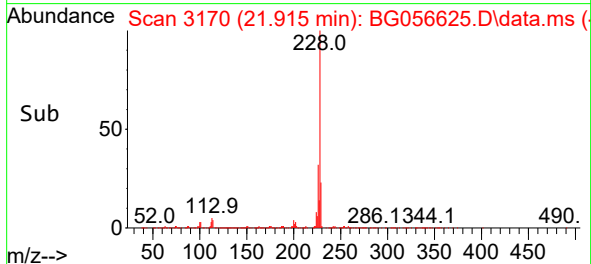
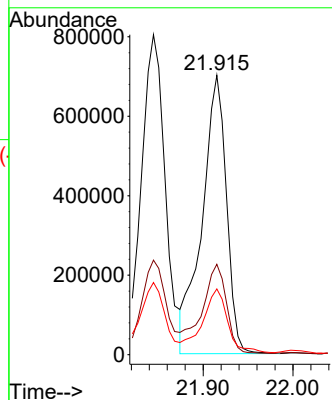
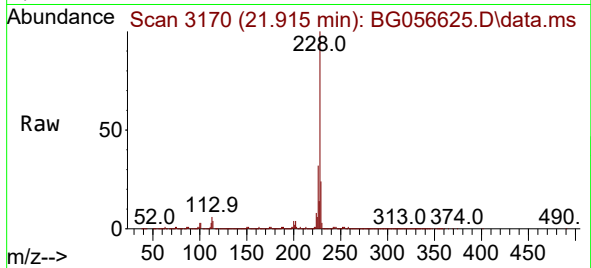




#83
Chrysene
Concen: 86.209 ng
RT: 21.915 min Scan# 3182
Delta R.T. 0.006 min
Lab File: BG056625.D
Acq: 13 Feb 2023 18:47

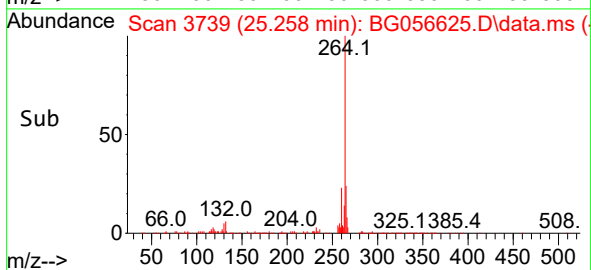
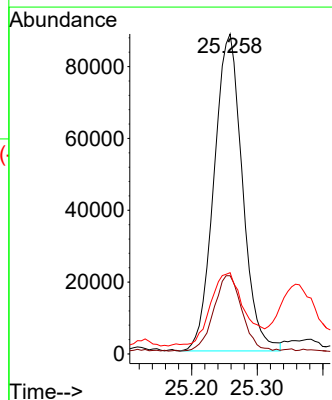
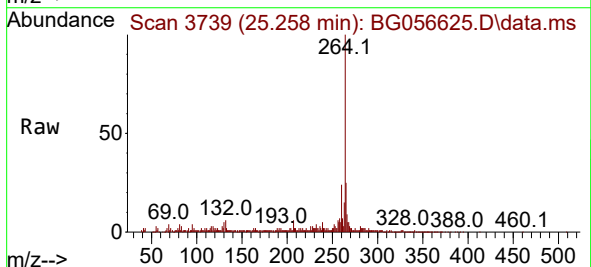
Instrument :
BNA_G
ClientSampleId :

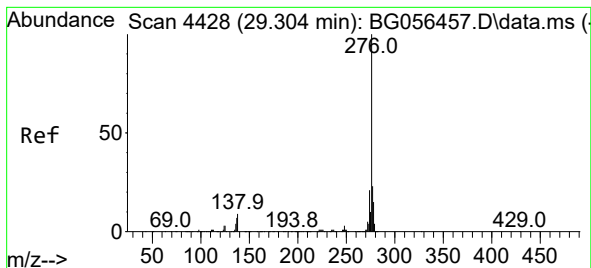
Tgt Ion:228 Resp: 1322366
Ion Ratio Lower Upper
228 100
226 32.4 25.0 37.4
229 23.5 16.4 24.6



#86
Perylene-d12
Concen: 20.000 ng
RT: 25.258 min Scan# 3739
Delta R.T. 0.024 min
Lab File: BG056625.D
Acq: 13 Feb 2023 18:47

Tgt Ion:264 Resp: 265262
Ion Ratio Lower Upper
264 100
260 24.4 18.2 27.4
265 25.4 18.1 27.1





#87

Indeno(1,2,3-cd)pyrene

Concen: 51.846 ng

RT: 29.189 min Scan# 4428

Delta R.T. 0.059 min

Lab File: BG056625.D

Acq: 13 Feb 2023 18:47

Instrument :

BNA_G

ClientSampleId :

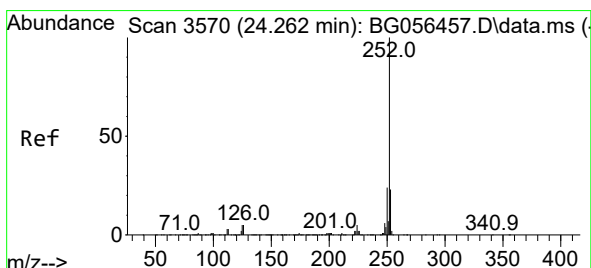
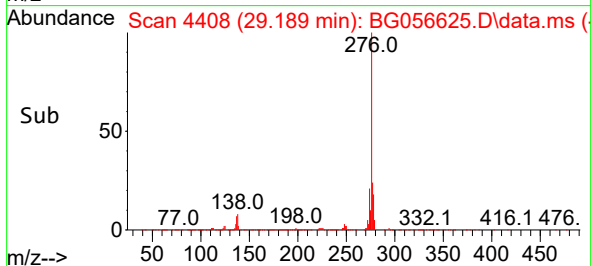
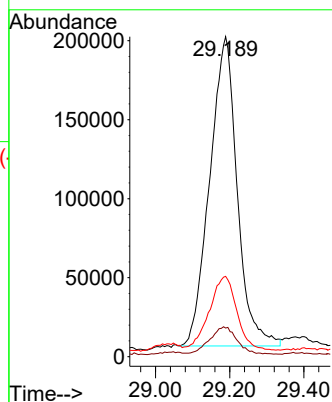
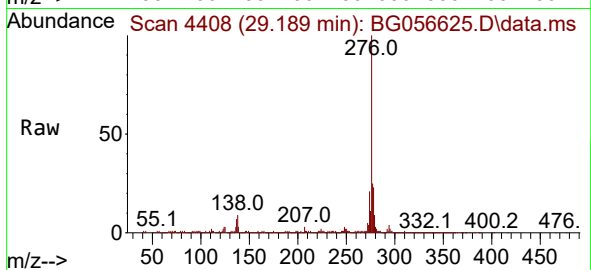
Tgt Ion:276 Resp: 1006722

Ion Ratio Lower Upper

276 100

138 8.6 9.4 14.2#

277 24.0 20.3 30.5



#88

Benzo(b)fluoranthene

Concen: 124.524 ng

RT: 24.183 min Scan# 3556

Delta R.T. 0.024 min

Lab File: BG056625.D

Acq: 13 Feb 2023 18:47

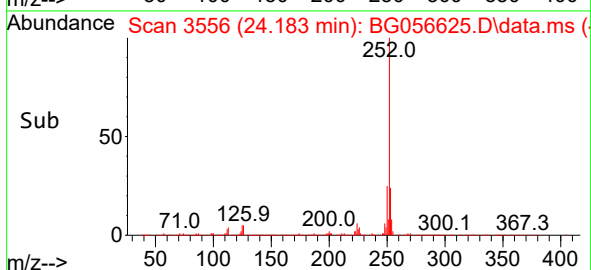
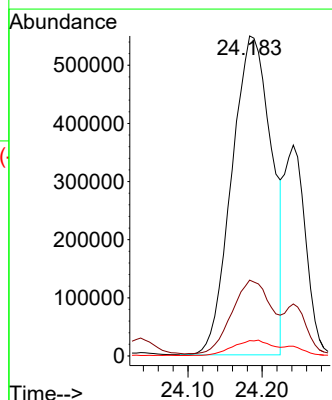
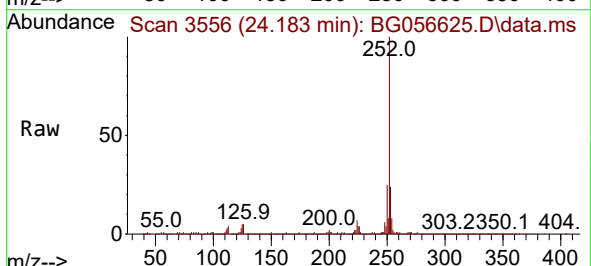
Tgt Ion:252 Resp: 2050239

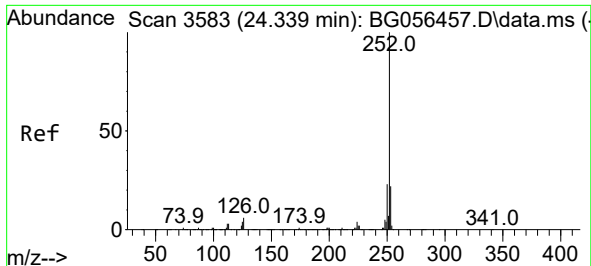
Ion Ratio Lower Upper

252 100

253 23.7 18.1 27.1

125 4.8 3.9 5.9

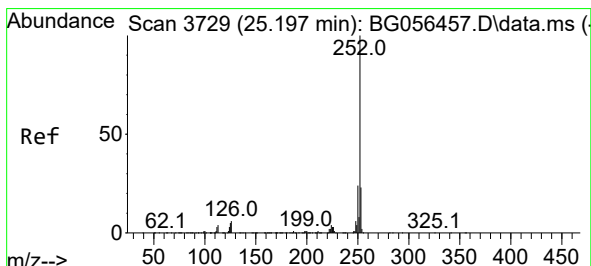
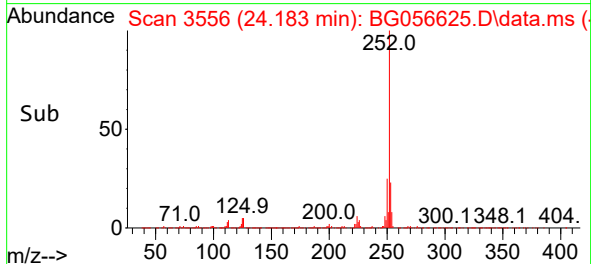
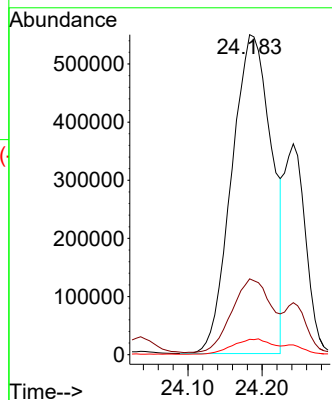
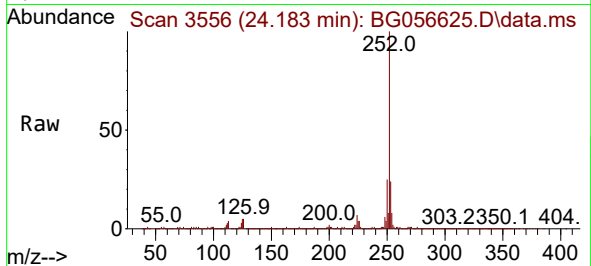




#89
Benzo(k)fluoranthene
Concen: 123.336 ng
RT: 24.183 min Scan# 31
Delta R.T. -0.047 min
Lab File: BG056625.D
Acq: 13 Feb 2023 18:47

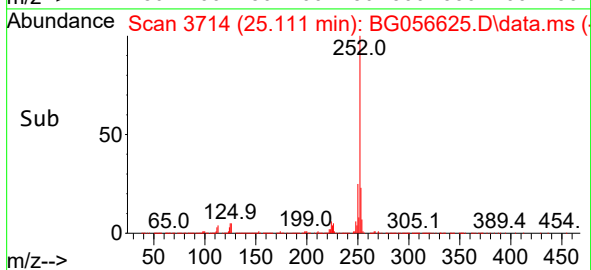
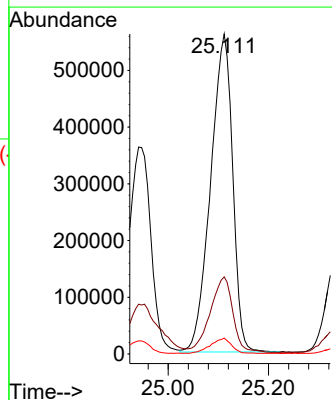
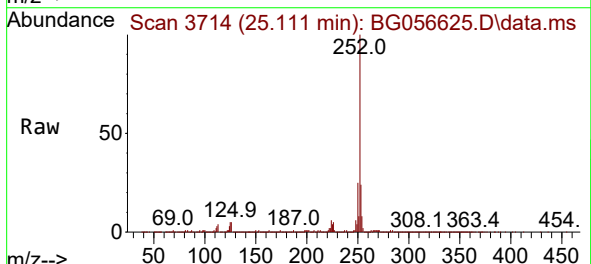
Instrument :
BNA_G
ClientSampleId :

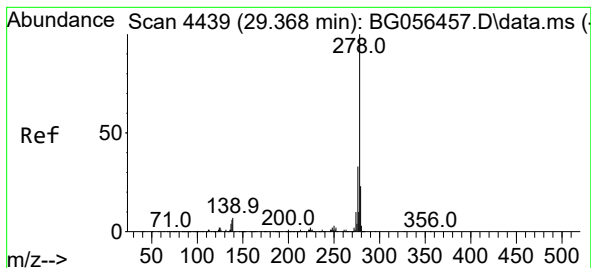
Tgt Ion:252 Resp: 2050239
Ion Ratio Lower Upper
252 100
253 23.7 17.5 26.3
125 4.8 3.4 5.0



#90
Benzo(a)pyrene
Concen: 105.241 ng
RT: 25.111 min Scan# 3714
Delta R.T. 0.030 min
Lab File: BG056625.D
Acq: 13 Feb 2023 18:47

Tgt Ion:252 Resp: 1706855
Ion Ratio Lower Upper
252 100
253 24.1 18.4 27.6
125 5.0 4.1 6.1





#91

Dibenzo(a,h)anthracene

Concen: 14.587 ng

RT: 29.207 min Scan# 4439

Delta R.T. 0.024 min

Lab File: BG056625.D

Acq: 13 Feb 2023 18:47

Instrument :

BNA_G

ClientSampleId :

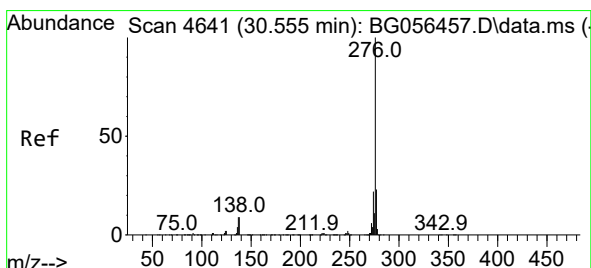
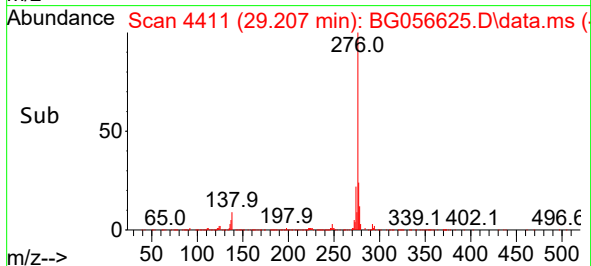
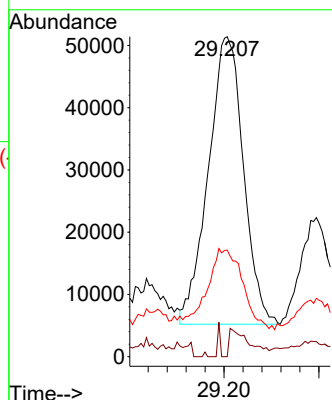
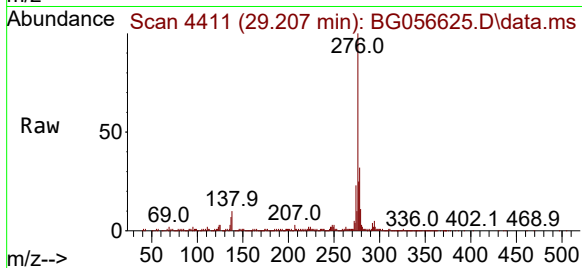
Tgt Ion:278 Resp: 237751

Ion Ratio Lower Upper

278 100

139 0.0 5.5 8.3#

279 33.3 18.8 28.2#



#92

Benzo(g,h,i)perylene

Concen: 65.022 ng

RT: 30.429 min Scan# 4619

Delta R.T. 0.077 min

Lab File: BG056625.D

Acq: 13 Feb 2023 18:47

Tgt Ion:276 Resp: 1022587

Ion Ratio Lower Upper

276 100

277 24.8 18.5 27.7

138 9.4 7.4 11.0

