

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG052223\
 Data File : BG057508.D
 Acq On : 23 May 2023 00:50
 Operator : CG/JU
 Sample : 02864-03
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 ETGI-280

Quant Time: May 23 04:09:22 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG042723.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat May 20 04:19:55 2023
 Response via : Initial Calibration

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

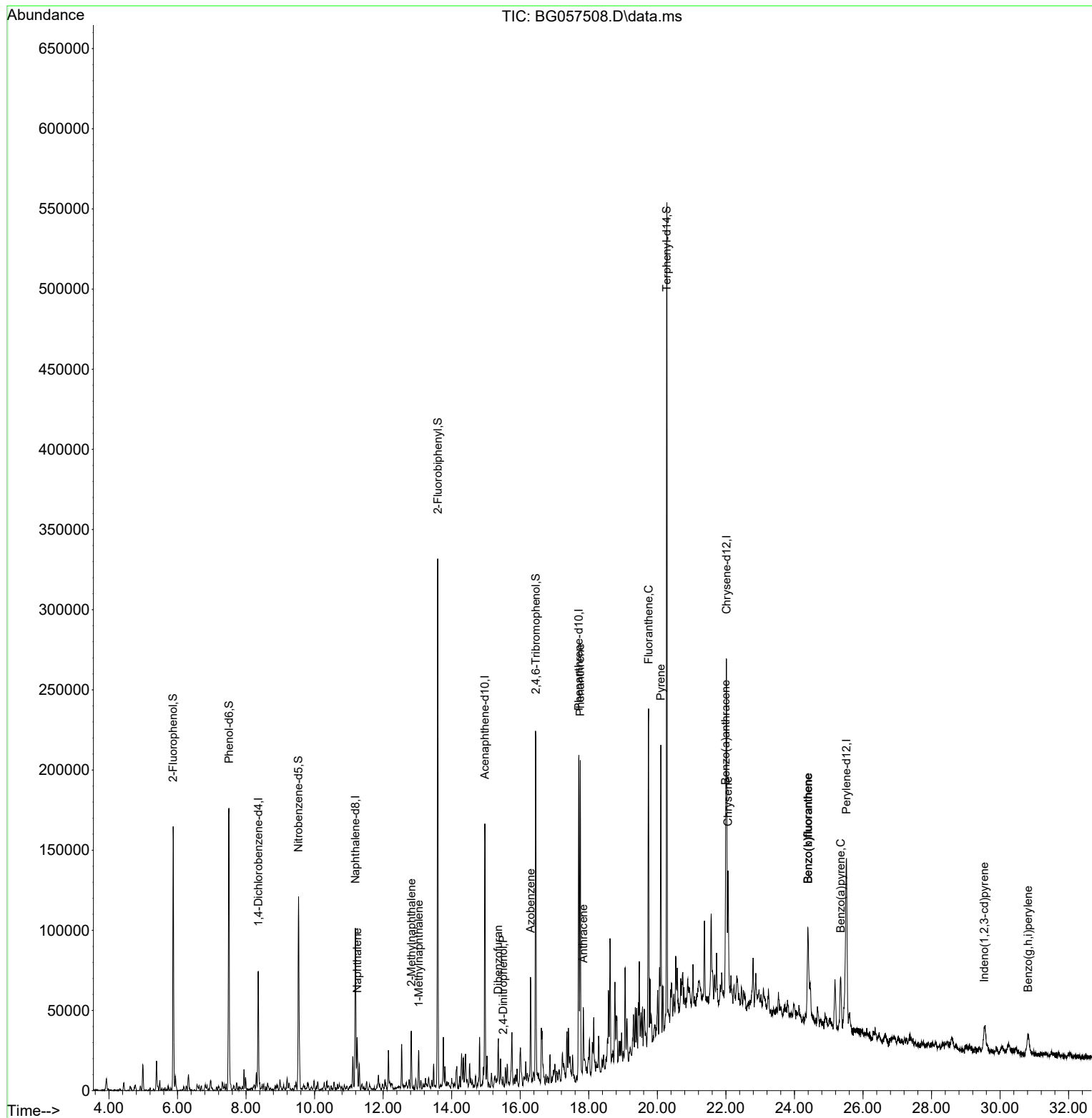
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.358	152	22152	20.000	ng	0.00
21) Naphthalene-d8	11.189	136	84898	20.000	ng	0.00
39) Acenaphthene-d10	14.967	164	58454	20.000	ng	0.00
64) Phenanthrene-d10	17.710	188	131127	20.000	ng	0.00
76) Chrysene-d12	22.016	240	120099	20.000	ng	0.00
86) Perylene-d12	25.517	264	131000	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.873	112	73883	57.054	ng	0.00
7) Phenol-d6	7.500	99	109681	55.776	ng	0.00
23) Nitrobenzene-d5	9.533	82	76649	37.893	ng	0.00
42) 2,4,6-Tribromophenol	16.453	330	43187	52.070	ng	0.00
45) 2-Fluorobiphenyl	13.592	172	175258	40.380	ng	0.00
79) Terphenyl-d14	20.277	244	270286	36.727	ng	0.00
Target Compounds						Qvalue
9) Benzaldehyde	7.483	77	1242	Below Cal	#	55
31) Naphthalene	11.242	128	25789	5.682	ng	98
37) 2-Methylnaphthalene	12.822	142	18395	5.155	ng	95
38) 1-Methylnaphthalene	13.040	142	11658	3.466	ng	98
54) 2,4-Dinitrophenol	15.501	184	89	5.054	ng	# 18
55) Dibenzofuran	15.360	168	13843	2.516	ng	98
63) Azobenzene	16.300	77	17660	3.752	ng	# 1
71) Phenanthrene	17.751	178	127964	19.045	ng	100
72) Anthracene	17.839	178	29095	4.220	ng	96
75) Fluoranthene	19.742	202	139336	16.673	ng	97
78) Pyrene	20.101	202	111110	12.732	ng	98
81) Benzo(a)anthracene	21.992	228	51601	6.031	ng	95
83) Chrysene	22.063	228	66960	8.317	ng	96
87) Indeno(1,2,3-cd)pyrene	29.535	276	29694	3.110	ng	98
88) Benzo(b)fluoranthene	24.395	252	67644	7.899	ng	# 97
89) Benzo(k)fluoranthene	24.395	252	67644	7.773	ng	# 98
90) Benzo(a)pyrene	25.347	252	38121	4.557	ng	# 91
92) Benzo(g,h,i)perylene	30.816	276	27950	3.600	ng	# 95

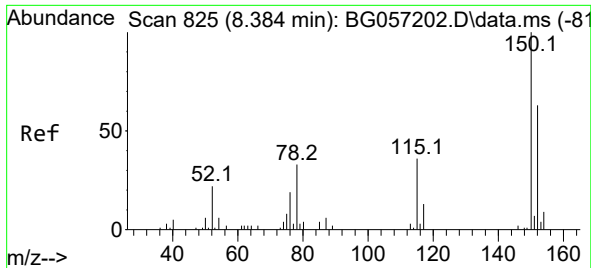
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: May 23 04:09:22 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG042723.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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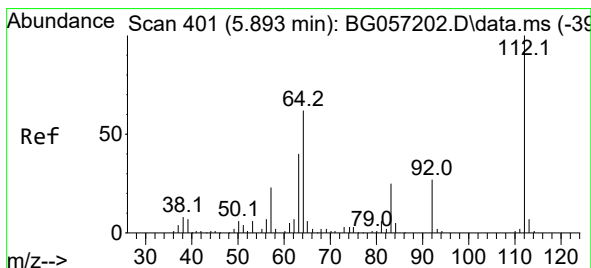
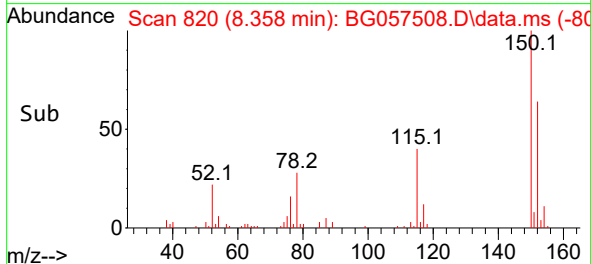
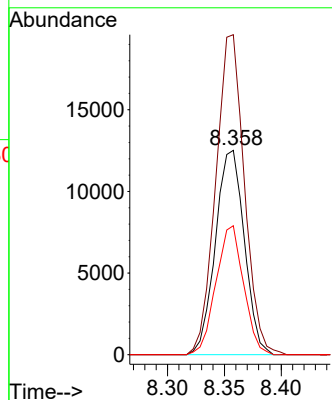
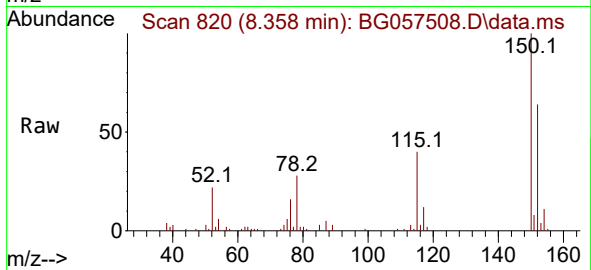




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.358 min Scan# 81
Delta R.T. -0.004 min
Lab File: BG057508.D
Acq: 23 May 2023 00:50

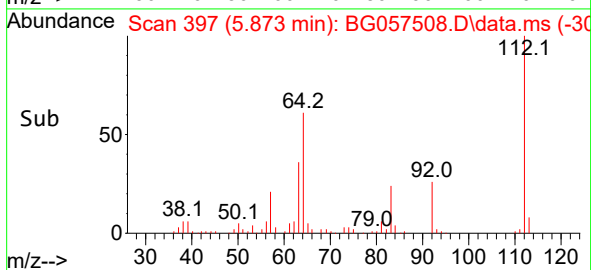
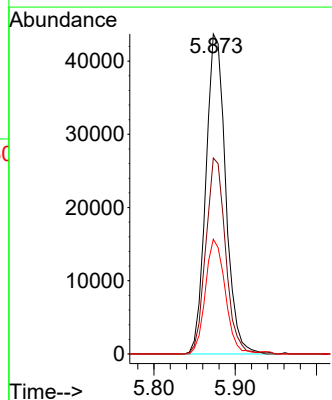
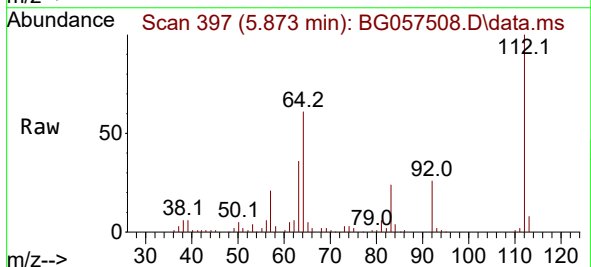
Instrument :
BNA_G
ClientSampleId :
ETGI-280

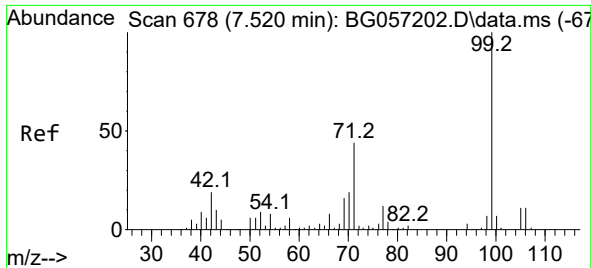
Tgt Ion:152 Resp: 22152
Ion Ratio Lower Upper
152 100
150 156.6 126.2 189.4
115 63.1 45.0 67.4



#5
2-Fluorophenol
Concen: 57.054 ng
RT: 5.873 min Scan# 397
Delta R.T. 0.002 min
Lab File: BG057508.D
Acq: 23 May 2023 00:50

Tgt Ion:112 Resp: 73883
Ion Ratio Lower Upper
112 100
64 61.2 49.4 74.2
63 35.9 31.6 47.4

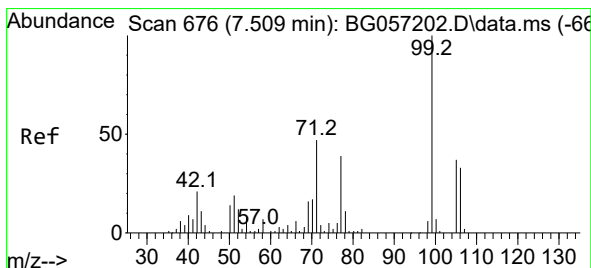
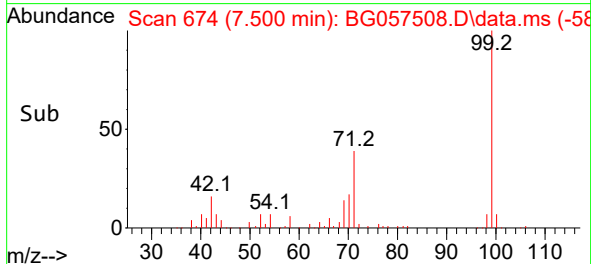
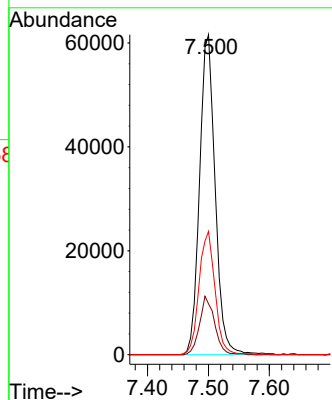
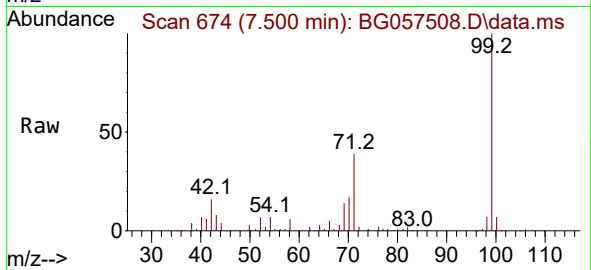




#7
Phenol-d6
Concen: 55.776 ng
RT: 7.500 min Scan# 61
Delta R.T. 0.002 min
Lab File: BG057508.D
Acq: 23 May 2023 00:50

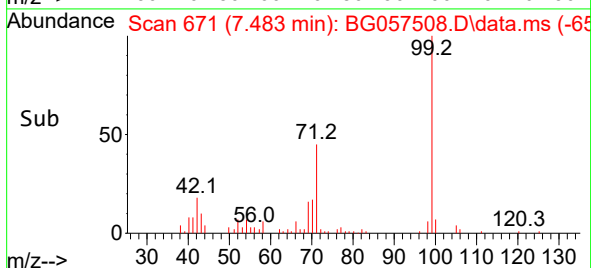
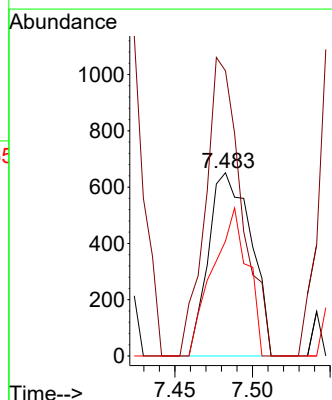
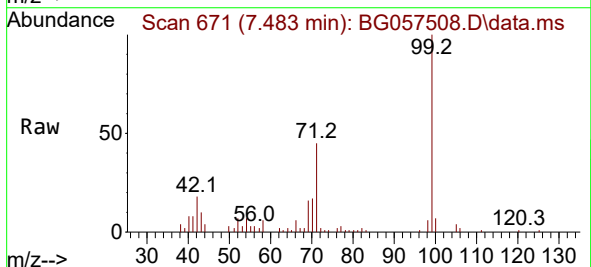
Instrument :
BNA_G
ClientSampleId :
ETGI-280

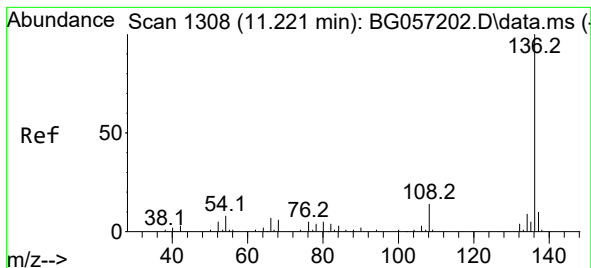
Tgt Ion: 99 Resp: 109681
Ion Ratio Lower Upper
99 100
42 15.9 15.1 22.7
71 38.6 35.2 52.8



#9
Benzaldehyde
Concen: Below Cal
RT: 7.483 min Scan# 671
Delta R.T. -0.004 min
Lab File: BG057508.D
Acq: 23 May 2023 00:50

Tgt Ion: 77 Resp: 1242
Ion Ratio Lower Upper
77 100
105 155.6 74.6 114.6#
106 62.7 66.3 106.3#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 11.189 min Scan# 11

Delta R.T. -0.010 min

Lab File: BG057508.D

Acq: 23 May 2023 00:50

Instrument :

BNA_G

ClientSampleId :

ETGI-280

Tgt Ion:136 Resp: 84898

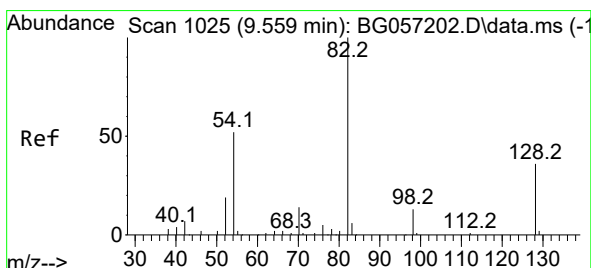
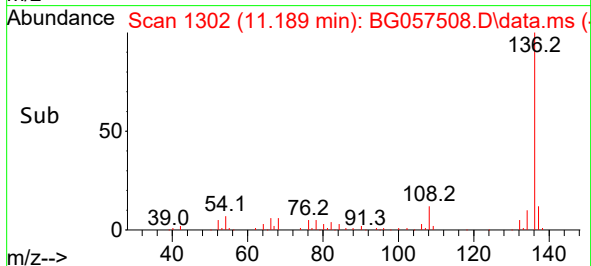
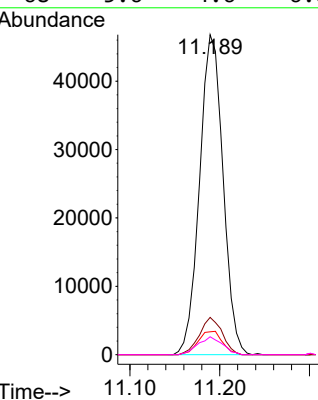
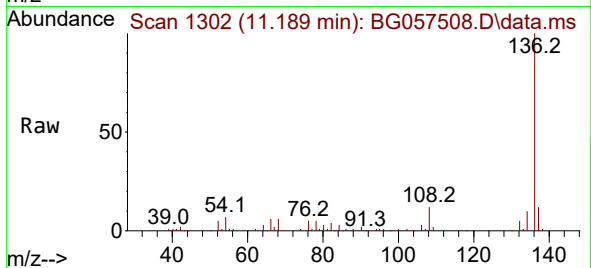
Ion Ratio Lower Upper

136 100

137 11.6 8.3 12.5

54 7.2 6.7 10.1

68 5.6 4.6 6.8



#23

Nitrobenzene-d5

Concen: 37.893 ng

RT: 9.533 min Scan# 1020

Delta R.T. -0.004 min

Lab File: BG057508.D

Acq: 23 May 2023 00:50

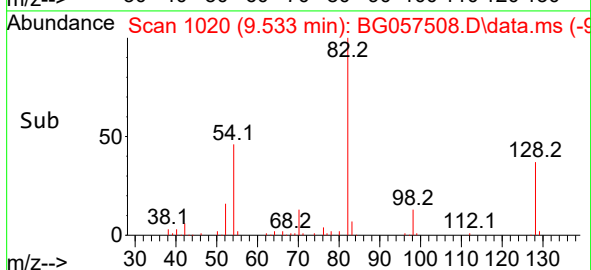
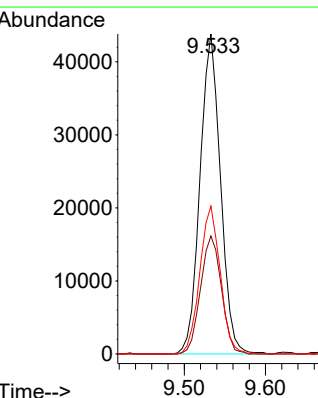
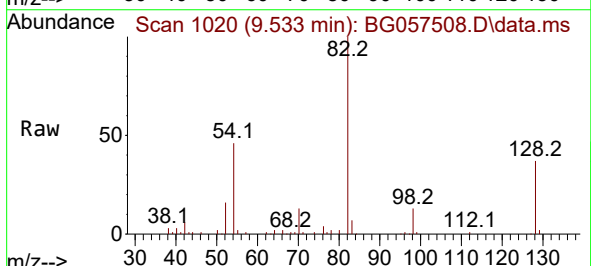
Tgt Ion: 82 Resp: 76649

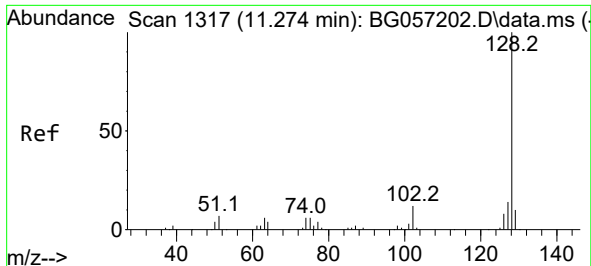
Ion Ratio Lower Upper

82 100

128 36.9 29.0 43.4

54 46.2 41.4 62.0

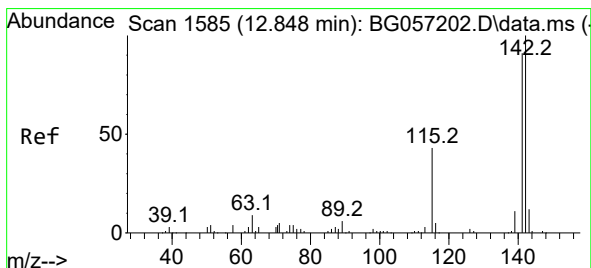
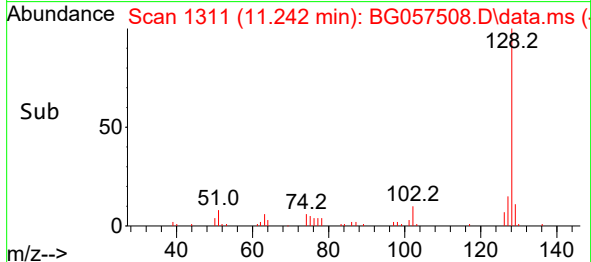
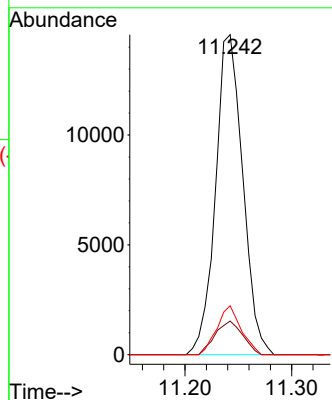
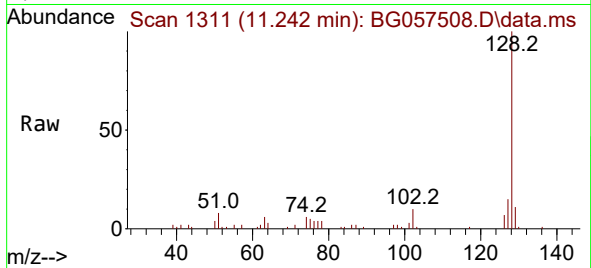




#31
Naphthalene
Concen: 5.682 ng
RT: 11.242 min Scan# 11
Delta R.T. -0.004 min
Lab File: BG057508.D
Acq: 23 May 2023 00:50

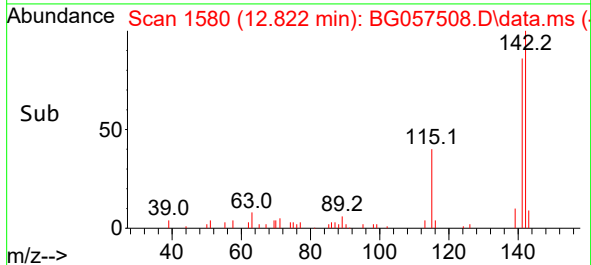
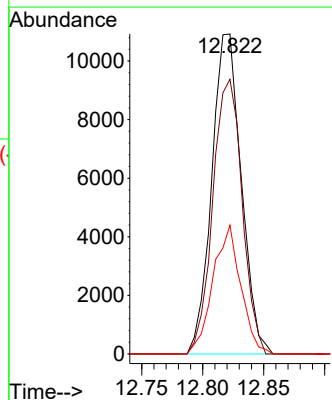
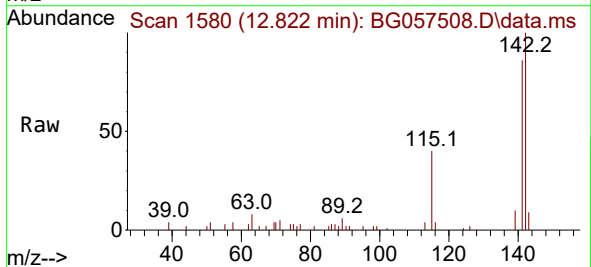
Instrument :
BNA_G
ClientSampleId :
ETGI-280

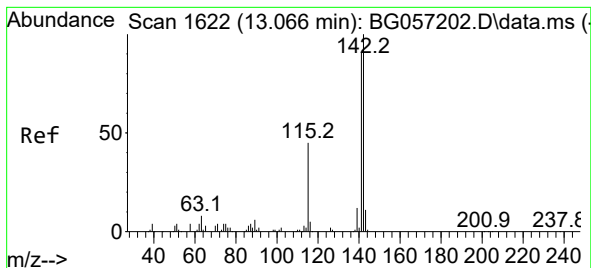
Tgt Ion:128 Resp: 25789
Ion Ratio Lower Upper
128 100
129 10.5 8.3 12.5
127 15.3 11.1 16.7



#37
2-Methylnaphthalene
Concen: 5.155 ng
RT: 12.822 min Scan# 1580
Delta R.T. -0.004 min
Lab File: BG057508.D
Acq: 23 May 2023 00:50

Tgt Ion:142 Resp: 18395
Ion Ratio Lower Upper
142 100
141 85.9 73.1 109.7
115 40.2 34.6 52.0





#38

1-Methylnaphthalene

Concen: 3.466 ng

RT: 13.040 min Scan# 1

Delta R.T. -0.004 min

Lab File: BG057508.D

Acq: 23 May 2023 00:50

Instrument :

BNA_G

ClientSampleId :

ETGI-280

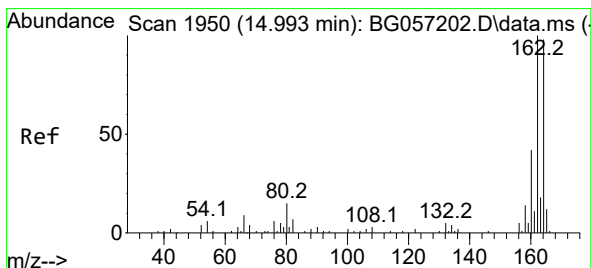
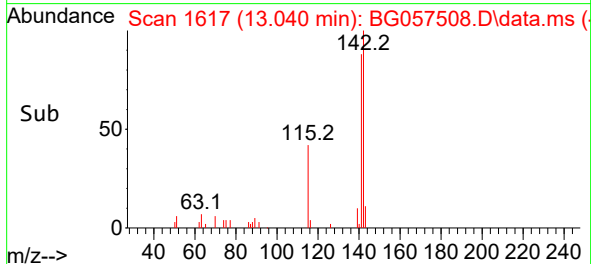
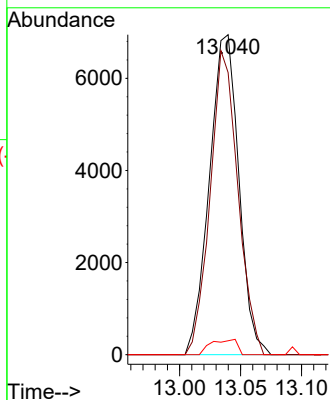
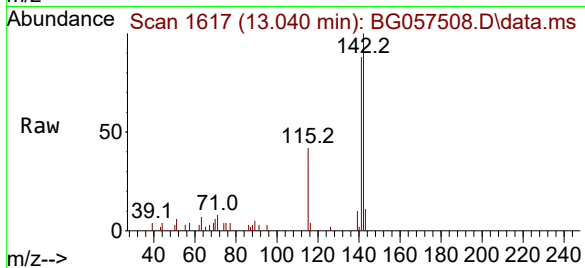
Tgt Ion:142 Resp: 11658

Ion Ratio Lower Upper

142 100

141 88.2 72.5 108.7

116 4.3 3.7 5.5



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.967 min Scan# 1945

Delta R.T. -0.010 min

Lab File: BG057508.D

Acq: 23 May 2023 00:50

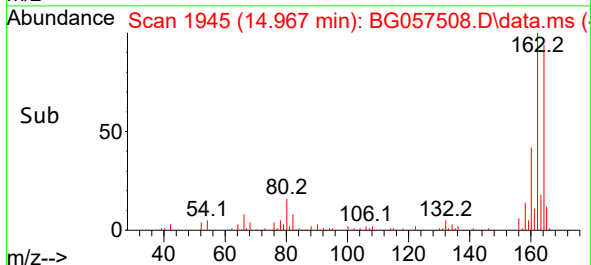
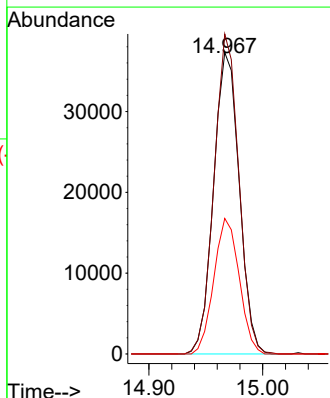
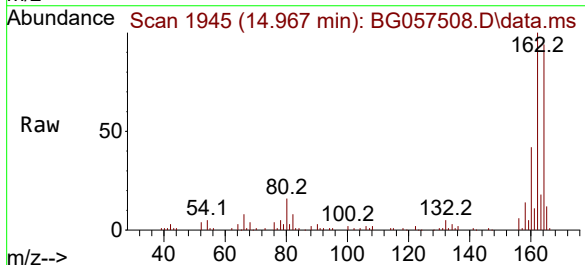
Tgt Ion:164 Resp: 58454

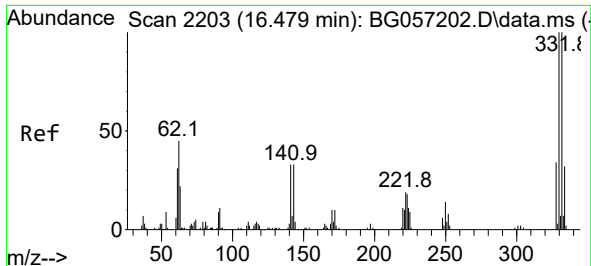
Ion Ratio Lower Upper

164 100

162 106.2 81.8 122.6

160 45.0 34.6 52.0

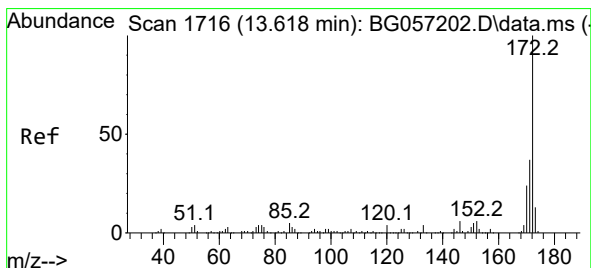
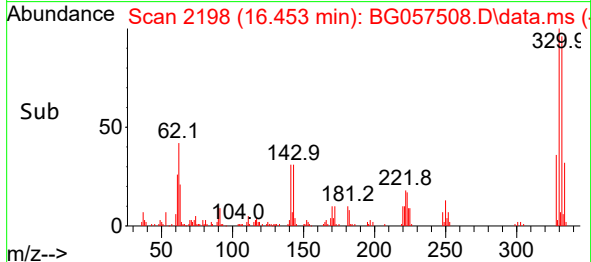
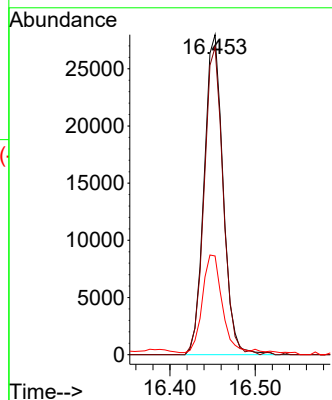
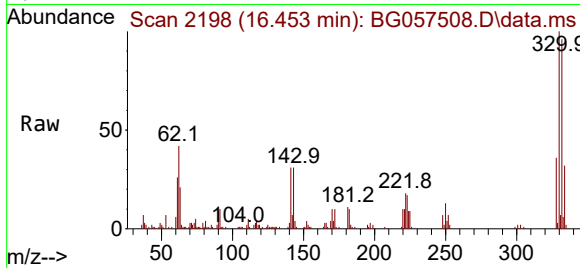




#42
2,4,6-Tribromophenol
Concen: 52.070 ng
RT: 16.453 min Scan# 2198
Delta R.T. -0.004 min
Lab File: BG057508.D
Acq: 23 May 2023 00:50

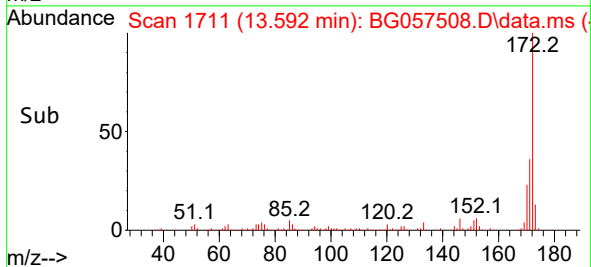
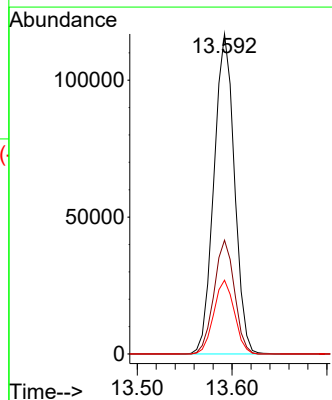
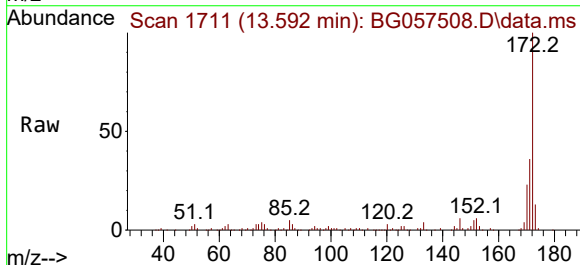
Instrument :
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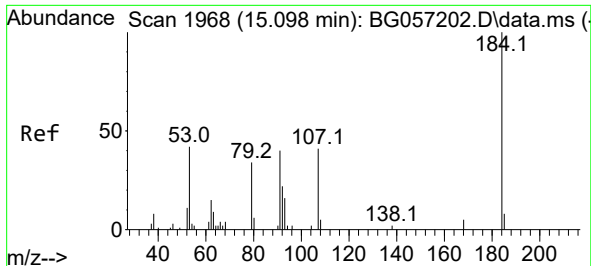
Tgt Ion:330 Resp: 43187
Ion Ratio Lower Upper
330 100
332 95.9 78.2 117.2
141 31.6 27.8 41.8



#45
2-Fluorobiphenyl
Concen: 40.380 ng
RT: 13.592 min Scan# 1711
Delta R.T. -0.010 min
Lab File: BG057508.D
Acq: 23 May 2023 00:50

Tgt Ion:172 Resp: 175258
Ion Ratio Lower Upper
172 100
171 35.5 29.4 44.0
170 23.1 19.0 28.6

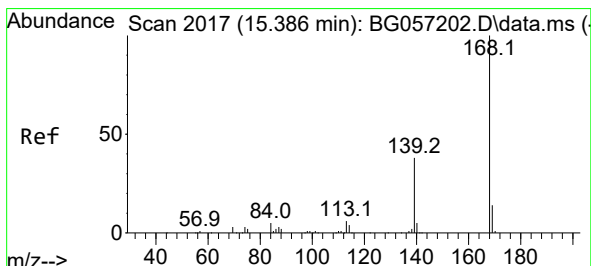
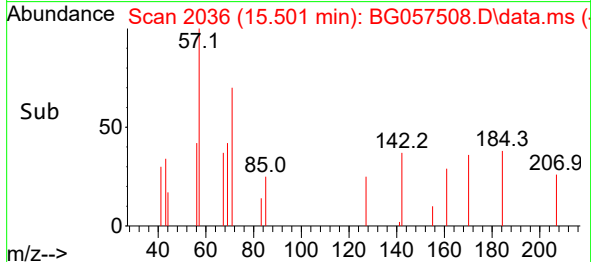
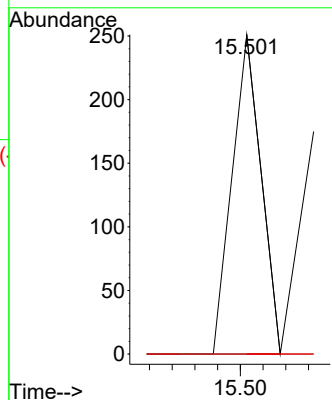
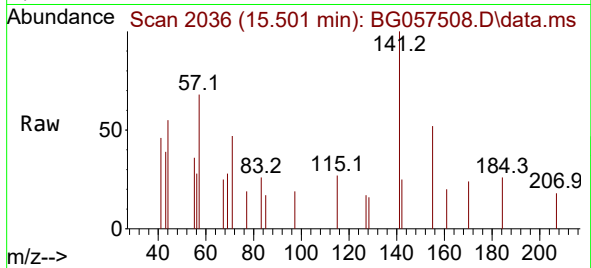




#54
2,4-Dinitrophenol
Concen: 5.054 ng
RT: 15.501 min Scan# 2012
Delta R.T. 0.413 min
Lab File: BG057508.D
Acq: 23 May 2023 00:50

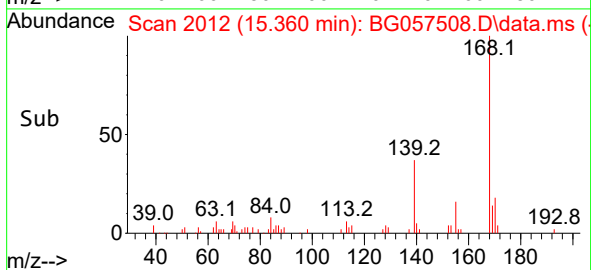
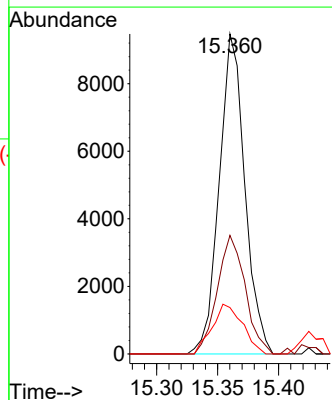
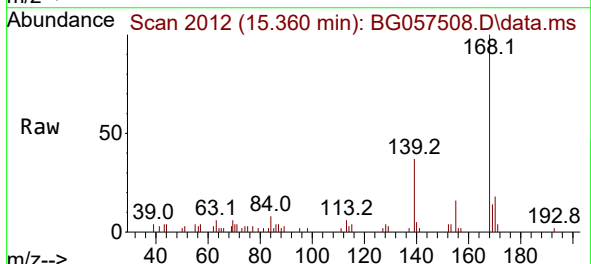
Instrument :
BNA_G
ClientSampleId :
ETGI-280

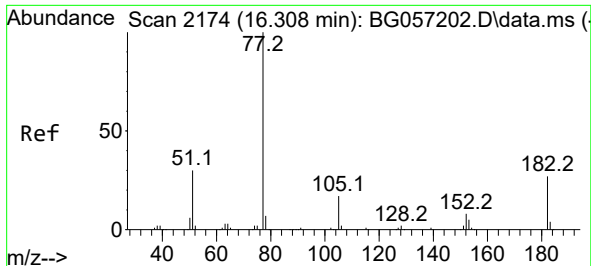
Tgt Ion:184 Resp: 89
Ion Ratio Lower Upper
184 100
63 0.0 48.2 72.4#
154 0.0 55.4 83.2#



#55
Dibenzofuran
Concen: 2.516 ng
RT: 15.360 min Scan# 2012
Delta R.T. -0.010 min
Lab File: BG057508.D
Acq: 23 May 2023 00:50

Tgt Ion:168 Resp: 13843
Ion Ratio Lower Upper
168 100
139 37.1 30.7 46.1
169 14.5 10.9 16.3

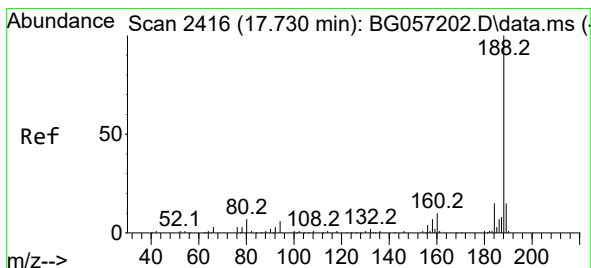
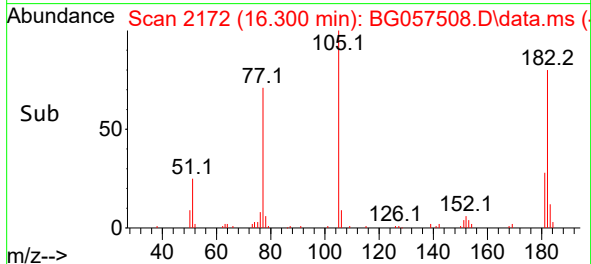
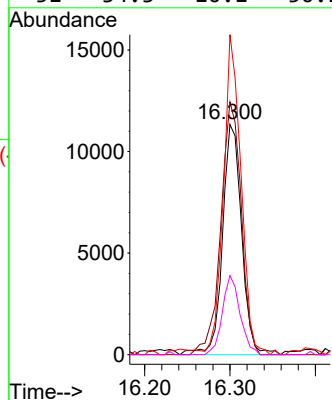
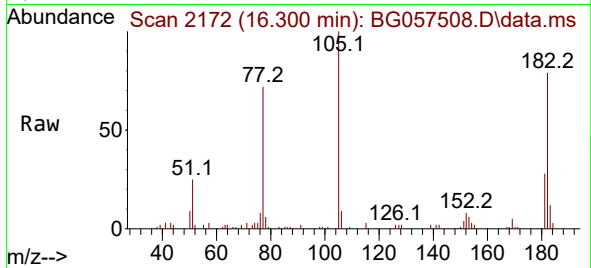




#63
 Azobenzene
 Concen: 3.752 ng
 RT: 16.300 min Scan# 2174
 Delta R.T. 0.014 min
 Lab File: BG057508.D
 Acq: 23 May 2023 00:50

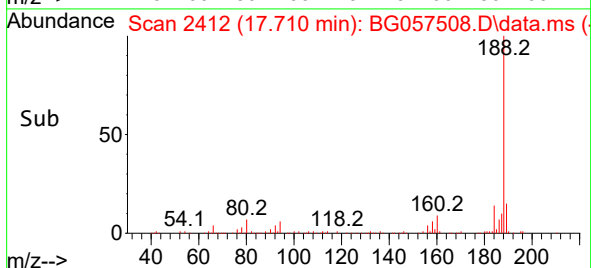
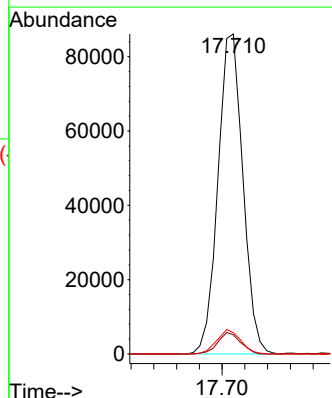
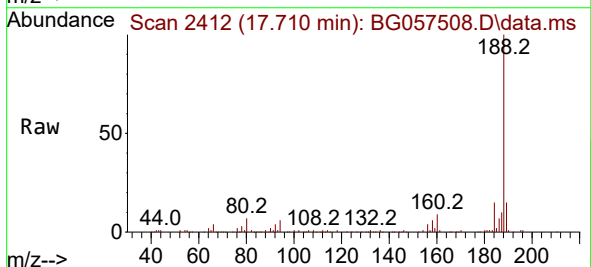
Instrument :
 BNA_G
 ClientSampleId :
 ETGI-280

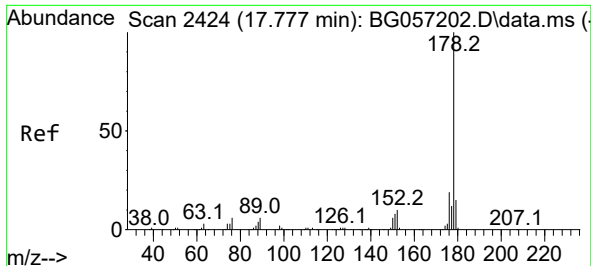
Tgt Ion: 77	Resp: 17660
Ion Ratio	Lower Upper
77 100	
182 109.8	7.4 47.4#
105 138.9	0.0 37.2#
51 34.3	10.1 50.1



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.710 min Scan# 2412
 Delta R.T. -0.004 min
 Lab File: BG057508.D
 Acq: 23 May 2023 00:50

Tgt Ion: 188	Resp: 131127
Ion Ratio	Lower Upper
188 100	
94 6.0	5.1 7.7
80 6.7	5.7 8.5

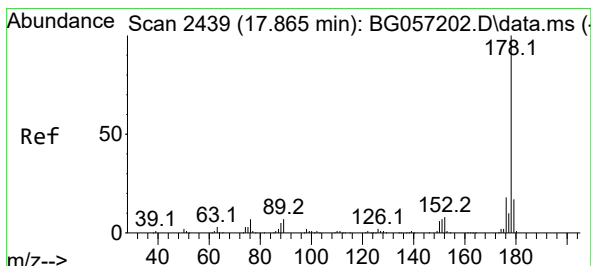
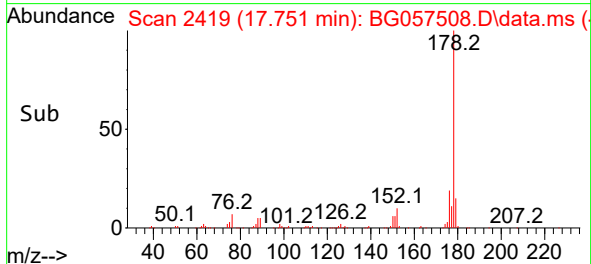
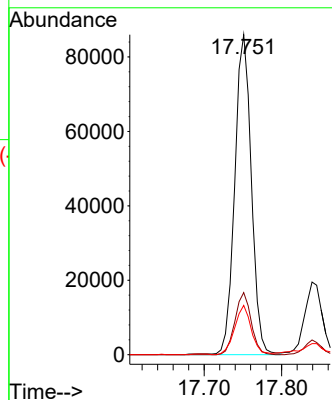
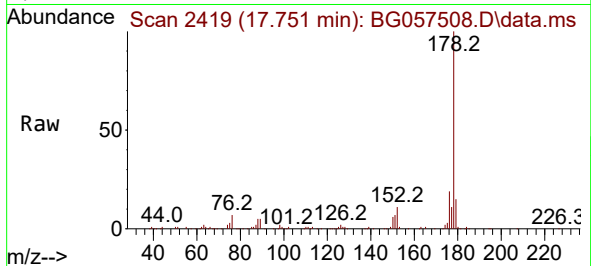




#71
Phenanthrene
Concen: 19.045 ng
RT: 17.751 min Scan# 2424
Delta R.T. -0.004 min
Lab File: BG057508.D
Acq: 23 May 2023 00:50

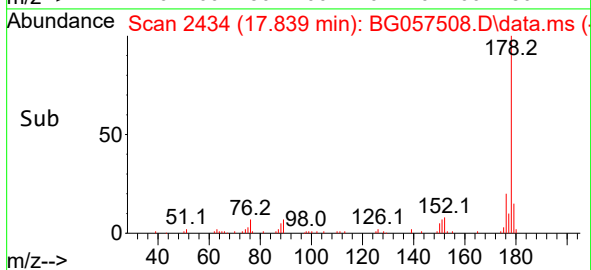
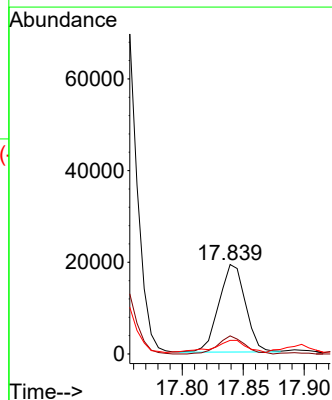
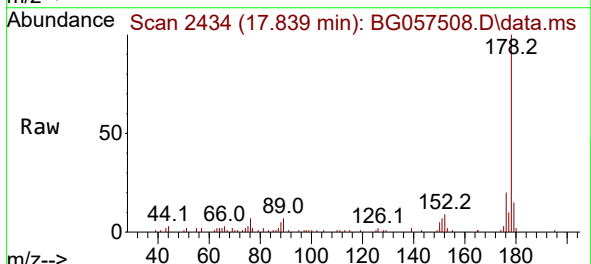
Instrument :
BNA_G
ClientSampleId :
ETGI-280

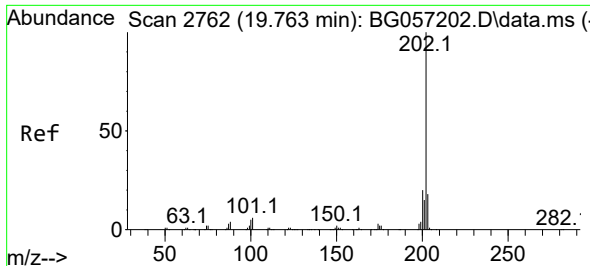
Tgt Ion:178 Resp: 127964
Ion Ratio Lower Upper
178 100
176 19.4 15.4 23.2
179 15.4 12.3 18.5



#72
Anthracene
Concen: 4.220 ng
RT: 17.839 min Scan# 2434
Delta R.T. -0.010 min
Lab File: BG057508.D
Acq: 23 May 2023 00:50

Tgt Ion:178 Resp: 29095
Ion Ratio Lower Upper
178 100
176 20.3 14.7 22.1
179 15.2 13.2 19.8

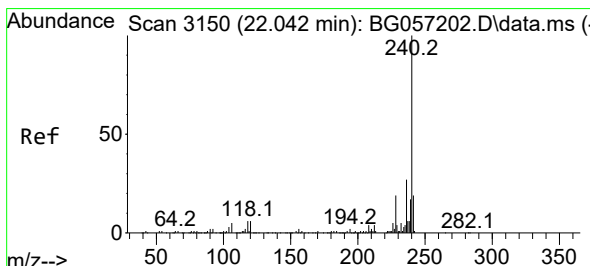
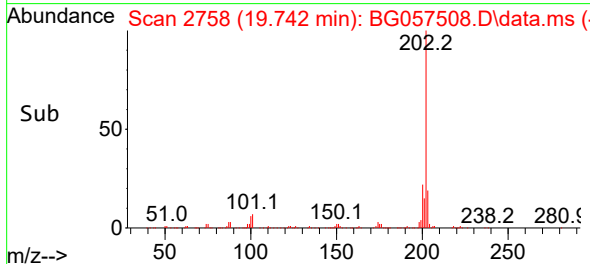
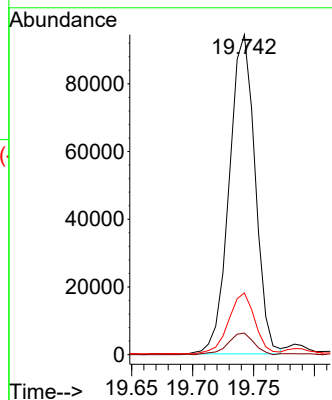
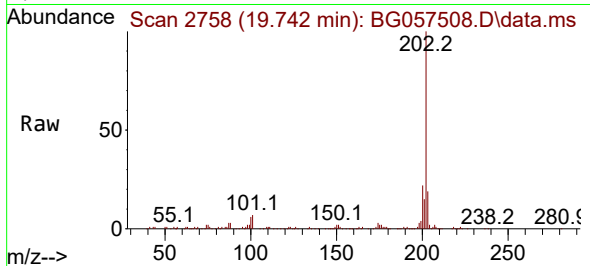




#75
Fluoranthene
Concen: 16.673 ng
RT: 19.742 min Scan# 21
Delta R.T. -0.004 min
Lab File: BG057508.D
Acq: 23 May 2023 00:50

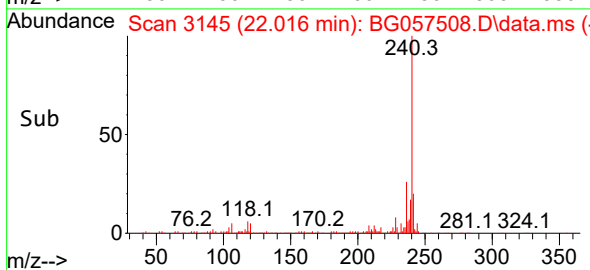
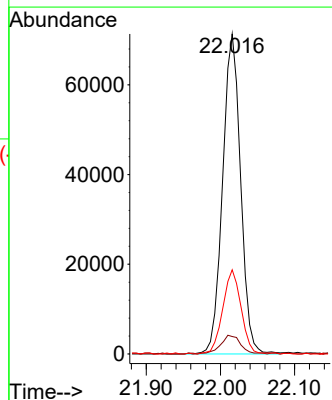
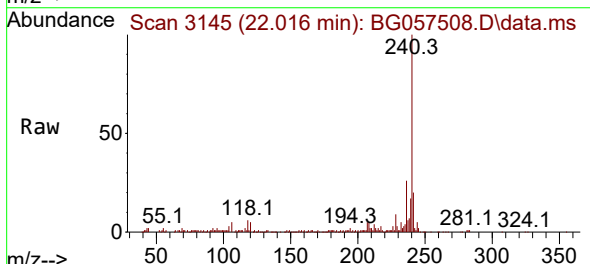
Instrument :
BNA_G
ClientSampleId :
ETGI-280

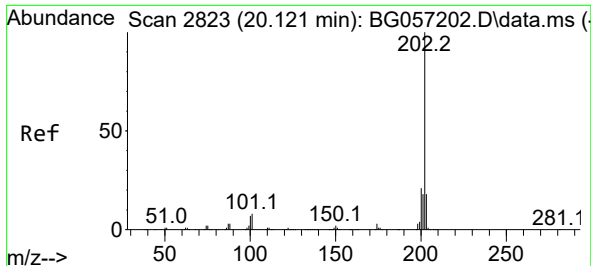
Tgt Ion:202 Resp: 139336
Ion Ratio Lower Upper
202 100
101 6.8 0.0 26.2
203 19.3 0.0 37.9



#76
Chrysene-d12
Concen: 20.000 ng
RT: 22.016 min Scan# 3145
Delta R.T. -0.004 min
Lab File: BG057508.D
Acq: 23 May 2023 00:50

Tgt Ion:240 Resp: 120099
Ion Ratio Lower Upper
240 100
120 5.4 4.9 7.3
236 26.3 21.4 32.2

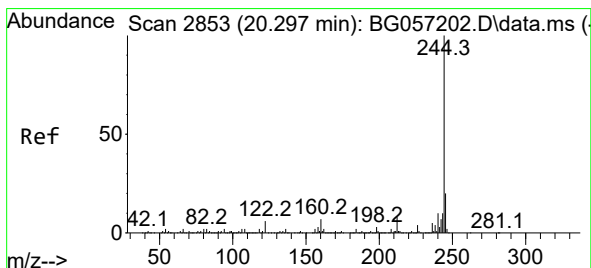
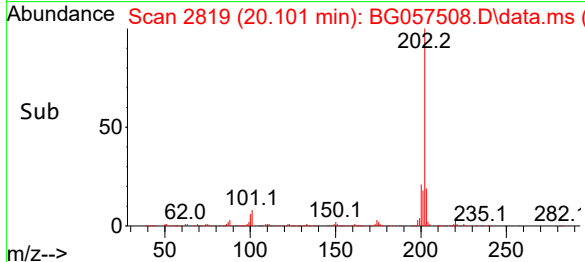
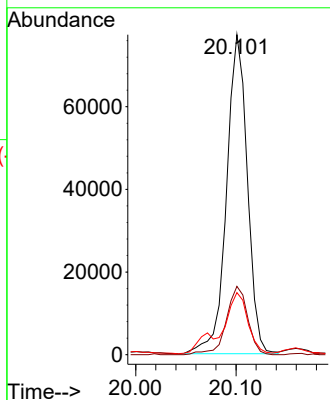
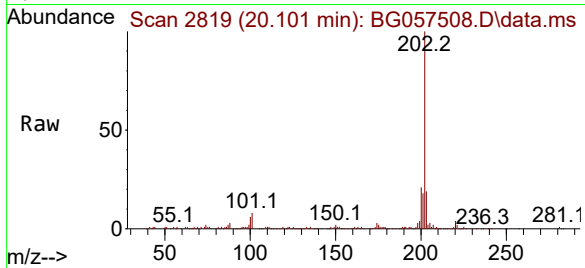




#78
 Pyrene
 Concen: 12.732 ng
 RT: 20.101 min Scan# 2819
 Delta R.T. -0.004 min
 Lab File: BG057508.D
 Acq: 23 May 2023 00:50

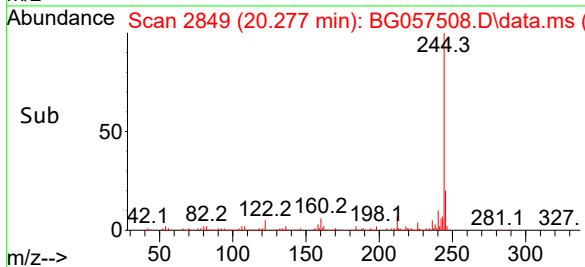
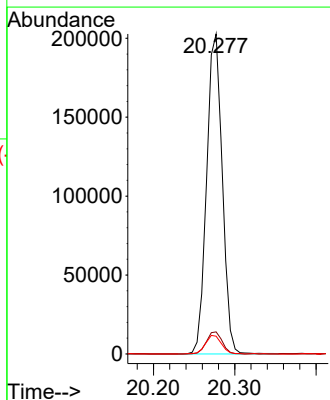
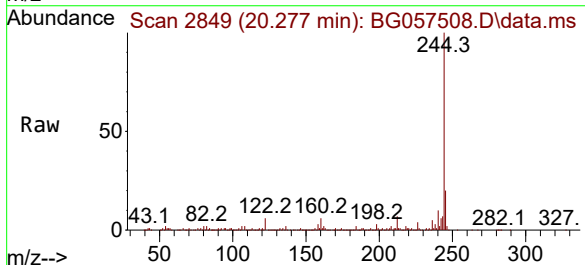
Instrument :
 BNA_G
 ClientSampleId :
 ETGI-280

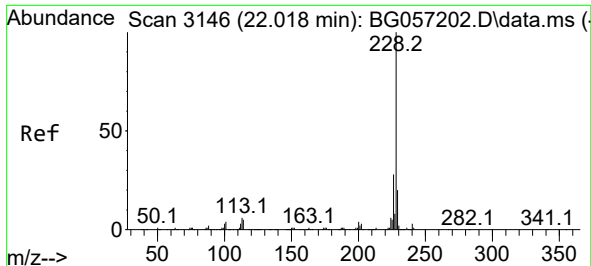
Tgt Ion:202 Resp: 111110
 Ion Ratio Lower Upper
 202 100
 200 21.4 17.0 25.4
 203 19.4 14.2 21.4



#79
 Terphenyl-d14
 Concen: 36.727 ng
 RT: 20.277 min Scan# 2849
 Delta R.T. -0.004 min
 Lab File: BG057508.D
 Acq: 23 May 2023 00:50

Tgt Ion:244 Resp: 270286
 Ion Ratio Lower Upper
 244 100
 212 6.9 6.1 9.1
 122 5.6 5.1 7.7

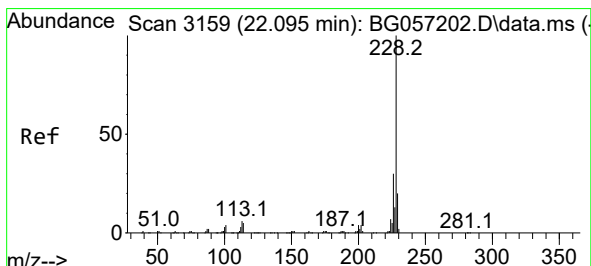
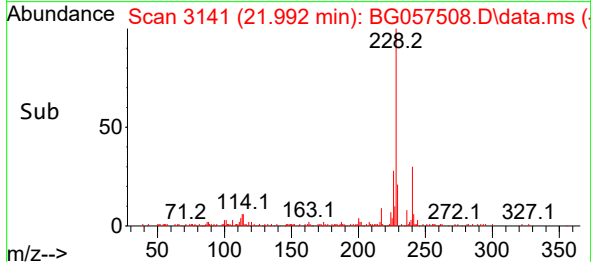
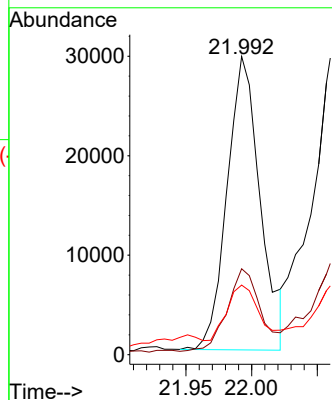
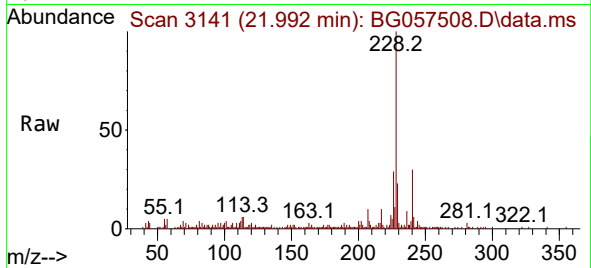




#81
Benzo(a)anthracene
Concen: 6.031 ng
RT: 21.992 min Scan# 3141
Delta R.T. -0.004 min
Lab File: BG057508.D
Acq: 23 May 2023 00:50

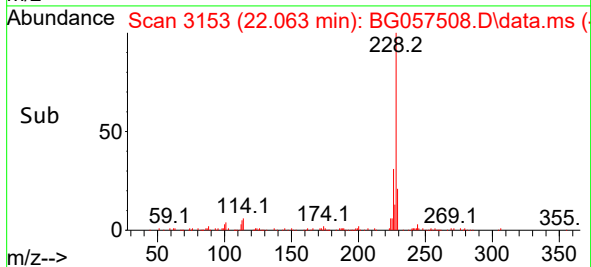
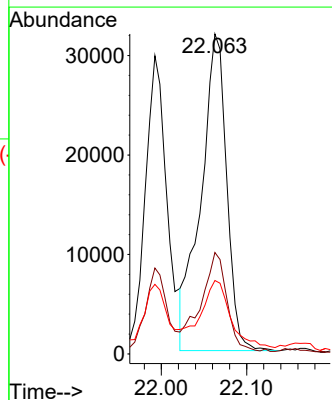
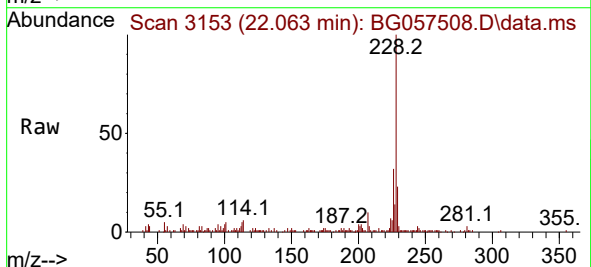
Instrument :
BNA_G
ClientSampleId :
ETGI-280

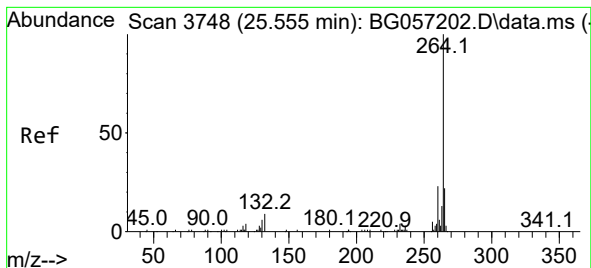
Tgt Ion:228 Resp: 51601
Ion Ratio Lower Upper
228 100
226 28.8 22.0 33.0
229 23.3 15.8 23.8



#83
Chrysene
Concen: 8.317 ng
RT: 22.063 min Scan# 3153
Delta R.T. -0.010 min
Lab File: BG057508.D
Acq: 23 May 2023 00:50

Tgt Ion:228 Resp: 66960
Ion Ratio Lower Upper
228 100
226 31.7 24.3 36.5
229 22.9 15.9 23.9





#86

Perylene-d12

Concen: 20.000 ng

RT: 25.517 min Scan# 31

Delta R.T. 0.002 min

Lab File: BG057508.D

Acq: 23 May 2023 00:50

Instrument :

BNA_G

ClientSampleId :

ETGI-280

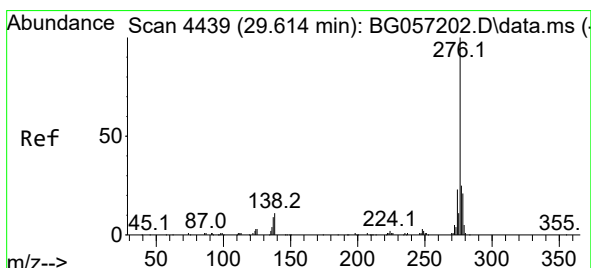
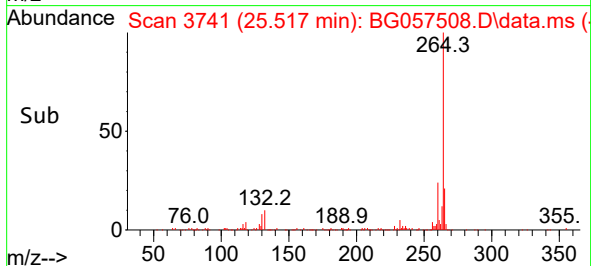
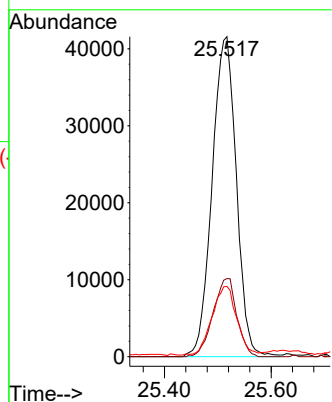
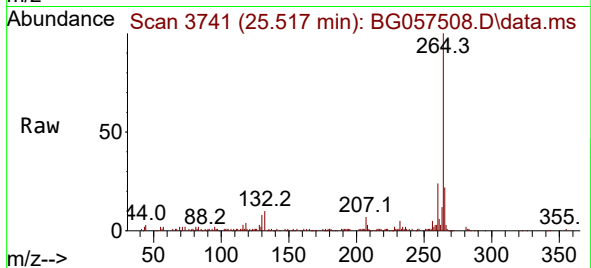
Tgt Ion:264 Resp: 131000

Ion Ratio Lower Upper

264 100

260 24.4 18.8 28.2

265 22.0 17.9 26.9



#87

Indeno(1,2,3-cd)pyrene

Concen: 3.110 ng

RT: 29.535 min Scan# 4425

Delta R.T. -0.027 min

Lab File: BG057508.D

Acq: 23 May 2023 00:50

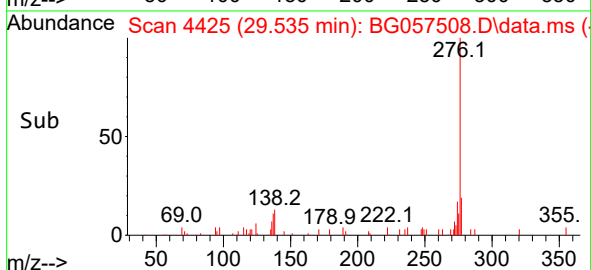
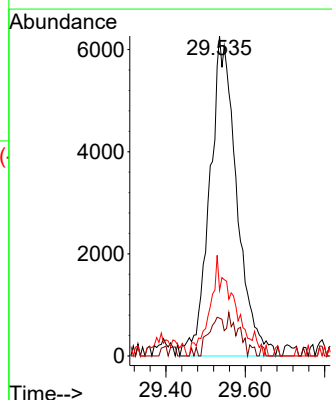
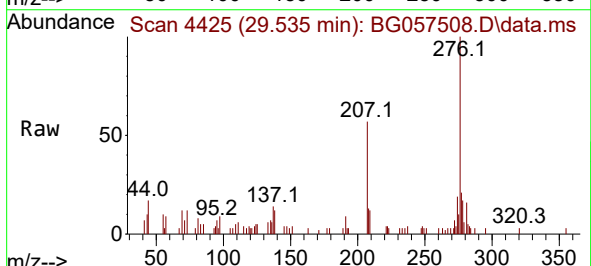
Tgt Ion:276 Resp: 29694

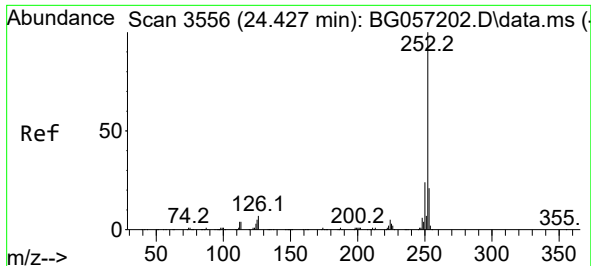
Ion Ratio Lower Upper

276 100

138 6.7 5.4 8.0

277 26.7 20.6 30.8

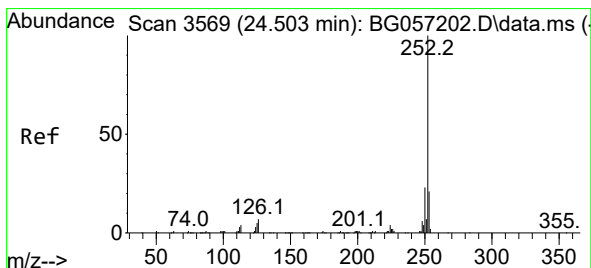
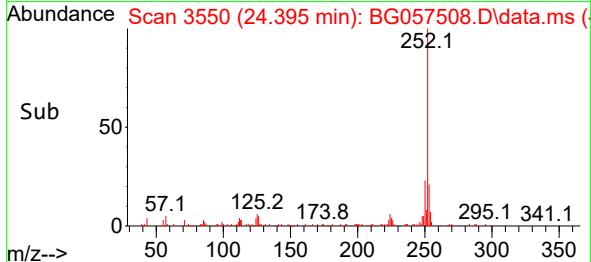
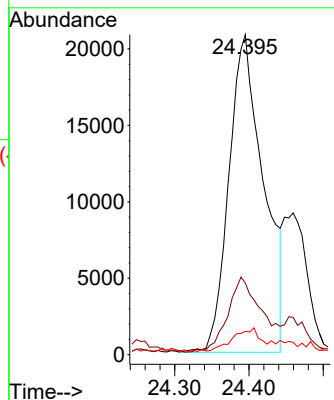
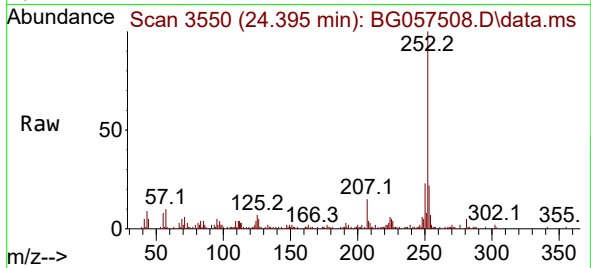




#88
Benzo(b)fluoranthene
Concen: 7.899 ng
RT: 24.395 min Scan# 3550
Delta R.T. 0.002 min
Lab File: BG057508.D
Acq: 23 May 2023 00:50

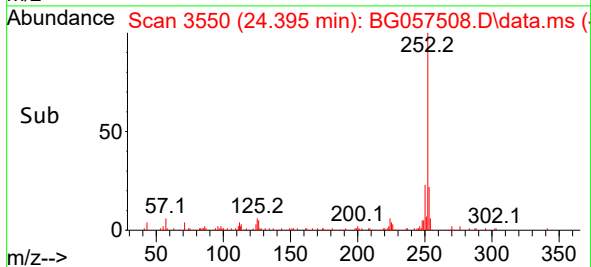
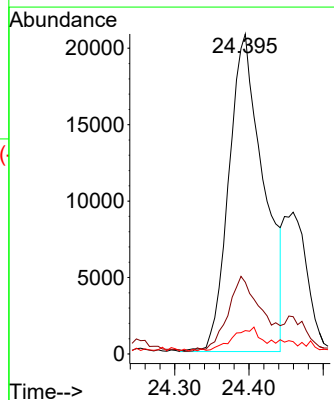
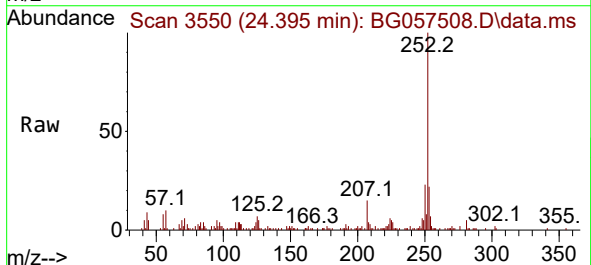
Instrument :
BNA_G
ClientSampleId :
ETGI-280

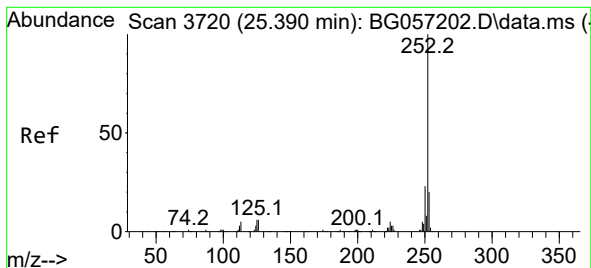
Tgt Ion:252 Resp: 67644
Ion Ratio Lower Upper
252 100
253 22.4 17.0 25.6
125 7.3 4.2 6.2#



#89
Benzo(k)fluoranthene
Concen: 7.773 ng
RT: 24.395 min Scan# 3550
Delta R.T. -0.074 min
Lab File: BG057508.D
Acq: 23 May 2023 00:50

Tgt Ion:252 Resp: 67644
Ion Ratio Lower Upper
252 100
253 22.4 17.4 26.0
125 7.3 4.1 6.1#





#90

Benzo(a)pyrene

Concen: 4.557 ng

RT: 25.347 min Scan# 31

Delta R.T. -0.010 min

Lab File: BG057508.D

Acq: 23 May 2023 00:50

Instrument :

BNA_G

ClientSampleId :

ETGI-280

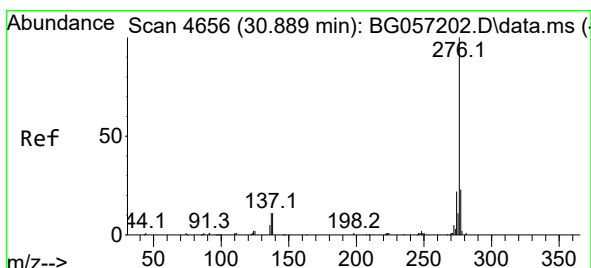
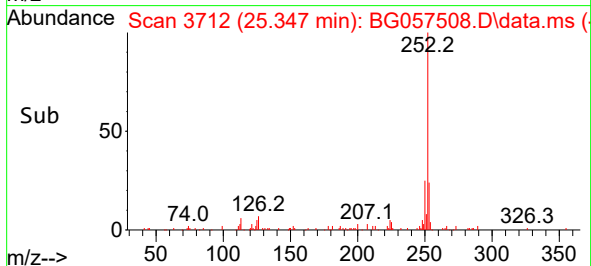
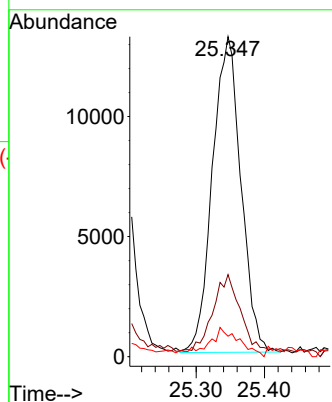
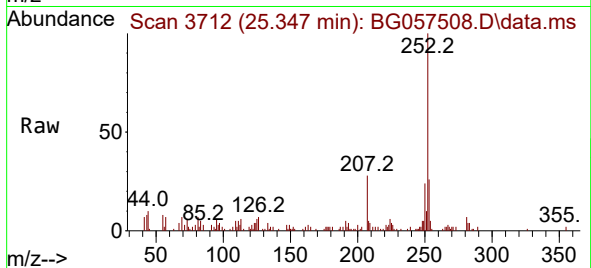
Tgt Ion:252 Resp: 38121

Ion Ratio Lower Upper

252 100

253 25.6 16.3 24.5#

125 6.4 5.0 7.4



#92

Benzo(g,h,i)perylene

Concen: 3.600 ng

RT: 30.816 min Scan# 4643

Delta R.T. -0.021 min

Lab File: BG057508.D

Acq: 23 May 2023 00:50

Tgt Ion:276 Resp: 27950

Ion Ratio Lower Upper

276 100

277 24.7 18.4 27.6

138 7.9 9.0 13.4#

