

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG052223\
 Data File : BG057506.D
 Acq On : 22 May 2023 23:28
 Operator : CG/JU
 Sample : 02864-05
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 ETGI-359

Quant Time: May 23 04:08:46 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)

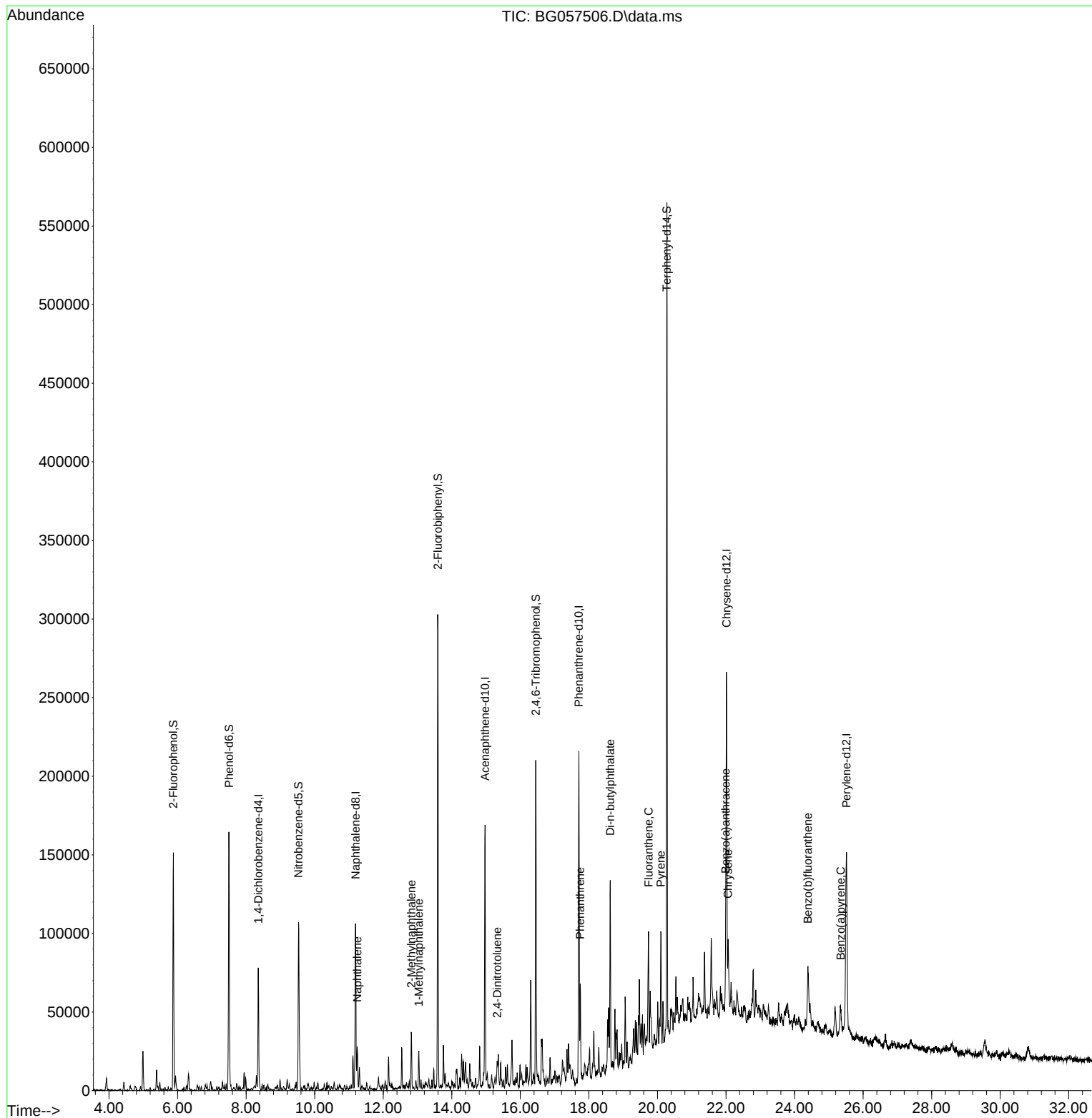
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.355	152	22712	20.000	ng	0.00
21) Naphthalene-d8	11.192	136	87244	20.000	ng	# 0.00
39) Acenaphthene-d10	14.970	164	61314	20.000	ng	0.00
64) Phenanthrene-d10	17.707	188	139241	20.000	ng	0.00
76) Chrysene-d12	22.013	240	130624	20.000	ng	0.00
86) Perylene-d12	25.514	264	143074	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.876	112	67662	50.961	ng	0.00
7) Phenol-d6	7.497	99	100795	49.993	ng	0.00
23) Nitrobenzene-d5	9.530	82	69894	33.624	ng	0.00
42) 2,4,6-Tribromophenol	16.450	330	41672	47.900	ng	0.00
45) 2-Fluorobiphenyl	13.589	172	161620	35.501	ng	-0.01
79) Terphenyl-d14	20.274	244	265430	33.161	ng	0.00
Target Compounds						
						Qvalue
31) Naphthalene	11.239	128	21527	4.615	ng	# 93
37) 2-Methylnaphthalene	12.820	142	17660	4.816	ng	97
38) 1-Methylnaphthalene	13.037	142	11587	3.352	ng	94
57) 2,4-Dinitrotoluene	15.328	165	4622	3.144	ng	# 89
71) Phenanthrene	17.748	178	40022	5.609	ng	97
74) Di-n-butylphthalate	18.623	149	44501	6.275	ng	# 97
75) Fluoranthene	19.740	202	46874	5.282	ng	96
78) Pyrene	20.098	202	41126	4.333	ng	95
81) Benzo(a)anthracene	21.989	228	25786	2.771	ng	# 95
83) Chrysene	22.060	228	40432	4.617	ng	96
88) Benzo(b)fluoranthene	24.386	252	36486	3.901	ng	# 91
90) Benzo(a)pyrene	25.344	252	22101	2.419	ng	# 94

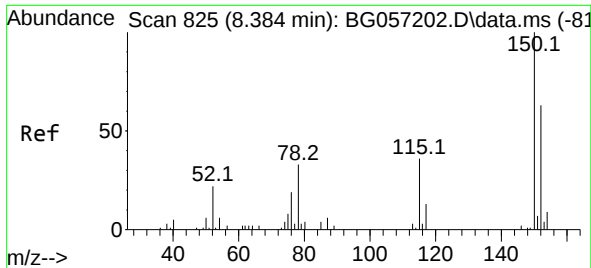
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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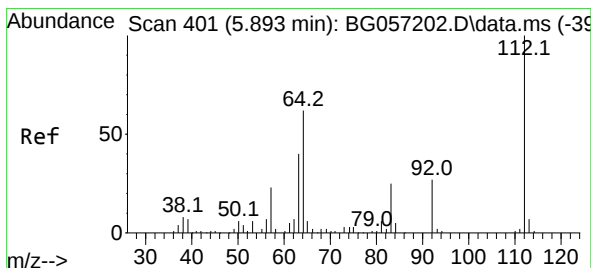
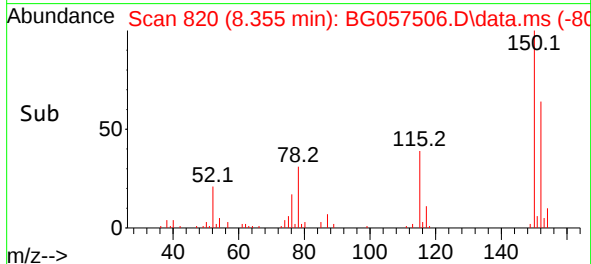
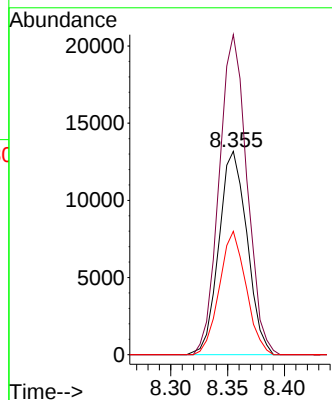
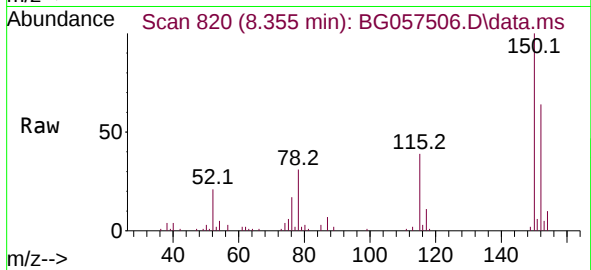




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.355 min Scan# 81
Delta R.T. -0.007 min
Lab File: BG057506.D
Acq: 22 May 2023 23:28

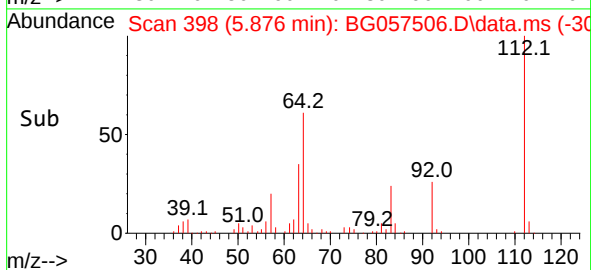
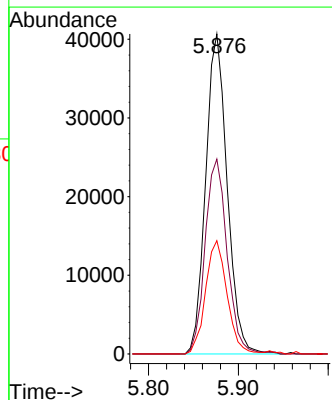
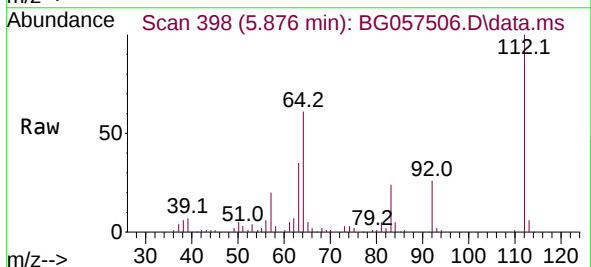
Instrument :
BNA_G
ClientSampleId :
ETGI-359

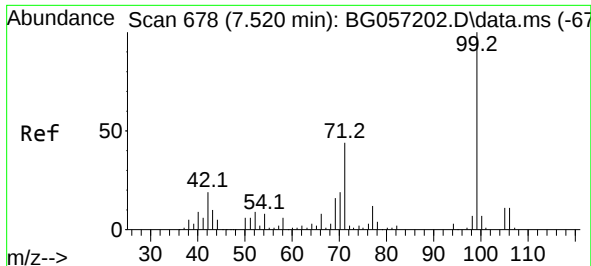
Tgt Ion:152 Resp: 22712
Ion Ratio Lower Upper
152 100
150 157.4 126.2 189.4
115 60.7 45.0 67.4



#5
2-Fluorophenol
Concen: 50.961 ng
RT: 5.876 min Scan# 398
Delta R.T. 0.005 min
Lab File: BG057506.D
Acq: 22 May 2023 23:28

Tgt Ion:112 Resp: 67662
Ion Ratio Lower Upper
112 100
64 60.9 49.4 74.2
63 35.4 31.6 47.4

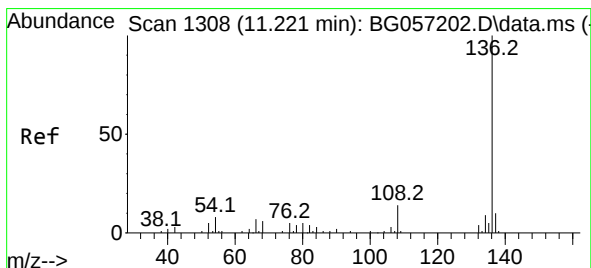
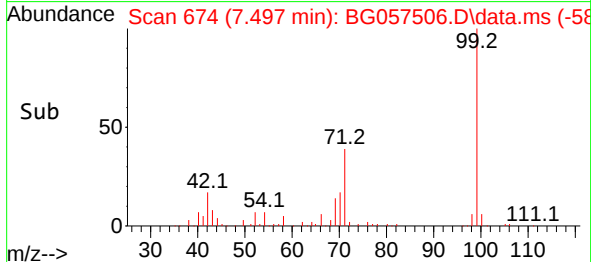
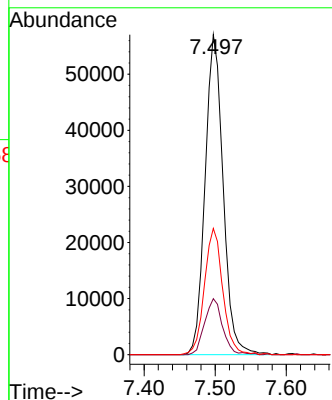
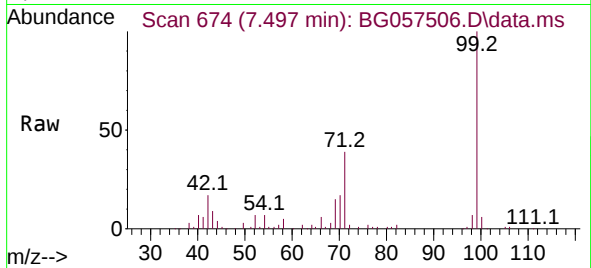




#7
Phenol-d6
Concen: 49.993 ng
RT: 7.497 min Scan# 61
Delta R.T. -0.001 min
Lab File: BG057506.D
Acq: 22 May 2023 23:28

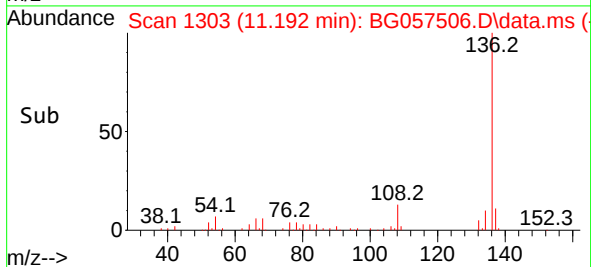
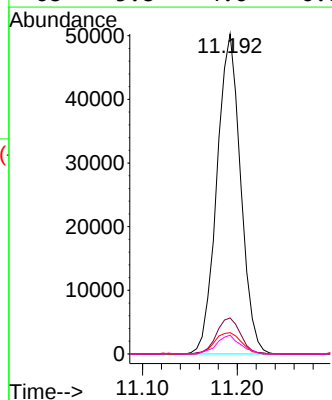
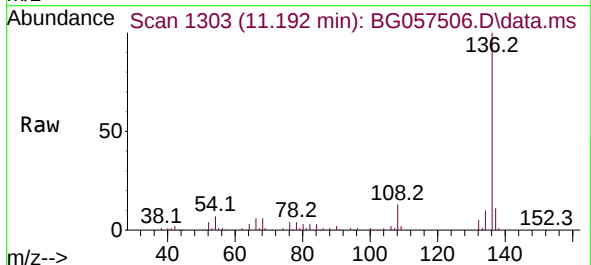
Instrument :
BNA_G
ClientSampleId :
ETGI-359

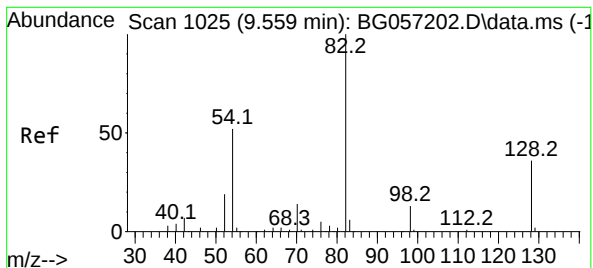
Tgt Ion: 99 Resp: 100795
Ion Ratio Lower Upper
99 100
42 17.5 15.1 22.7
71 39.4 35.2 52.8



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.192 min Scan# 1303
Delta R.T. -0.007 min
Lab File: BG057506.D
Acq: 22 May 2023 23:28

Tgt Ion: 136 Resp: 87244
Ion Ratio Lower Upper
136 100
137 11.3 8.3 12.5
54 6.7 6.7 10.1#
68 5.8 4.6 6.8





#23

Nitrobenzene-d5

Concen: 33.624 ng

RT: 9.530 min Scan# 1025

Delta R.T. -0.007 min

Lab File: BG057506.D

Acq: 22 May 2023 23:28

Instrument :

BNA_G

ClientSampleId :

ETGI-359

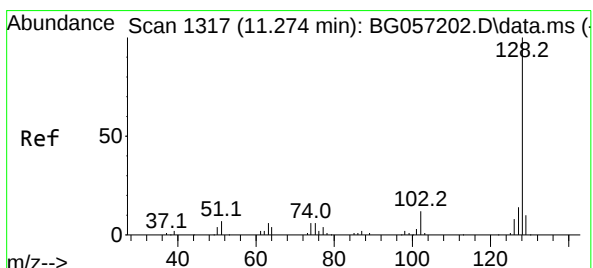
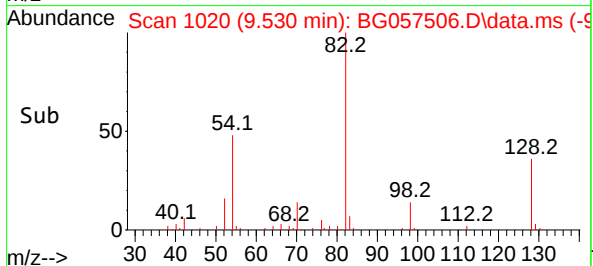
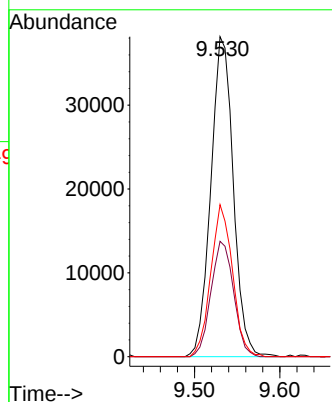
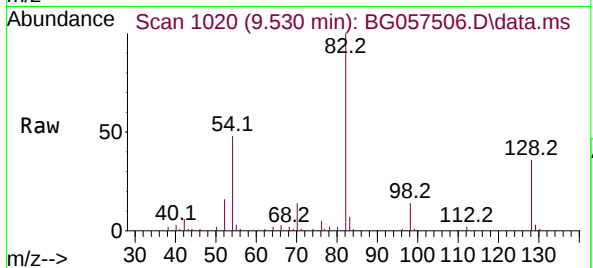
Tgt Ion: 82 Resp: 69894

Ion Ratio Lower Upper

82 100

128 36.1 29.0 43.4

54 47.5 41.4 62.0



#31

Naphthalene

Concen: 4.615 ng

RT: 11.239 min Scan# 1311

Delta R.T. -0.007 min

Lab File: BG057506.D

Acq: 22 May 2023 23:28

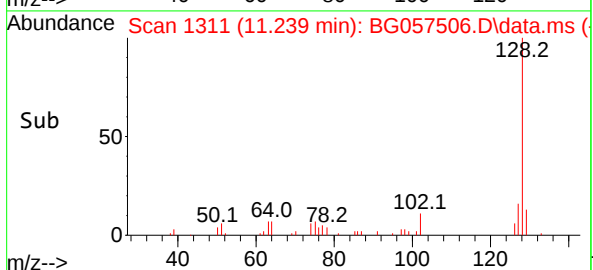
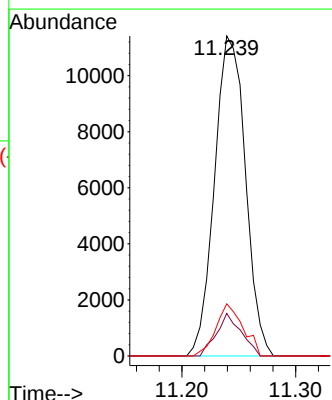
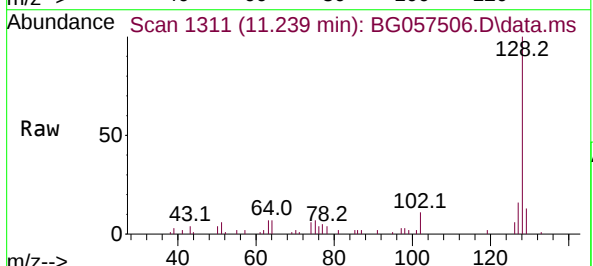
Tgt Ion:128 Resp: 21527

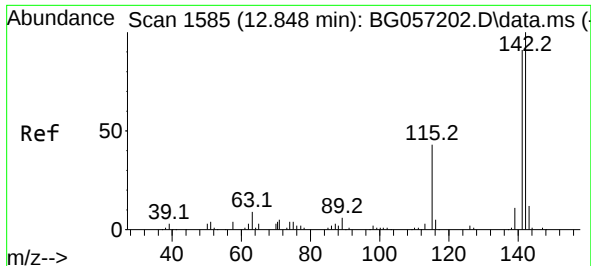
Ion Ratio Lower Upper

128 100

129 13.3 8.3 12.5#

127 16.3 11.1 16.7

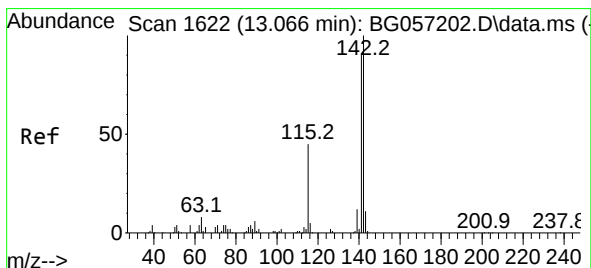
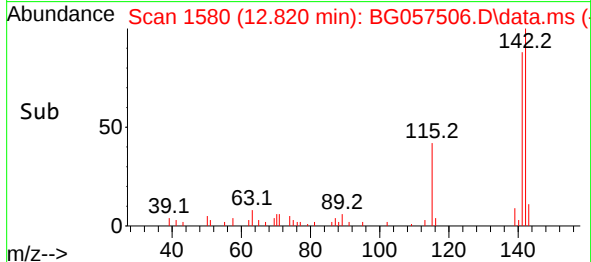
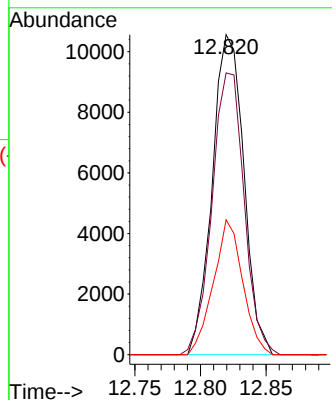
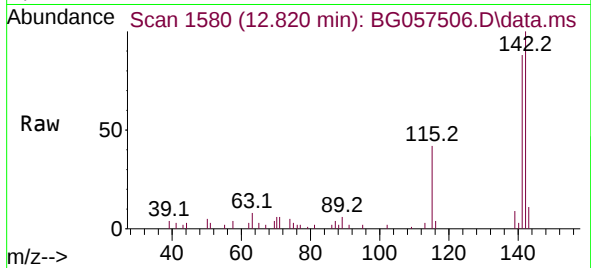




#37
2-Methylnaphthalene
Concen: 4.816 ng
RT: 12.820 min Scan# 11
Delta R.T. -0.007 min
Lab File: BG057506.D
Acq: 22 May 2023 23:28

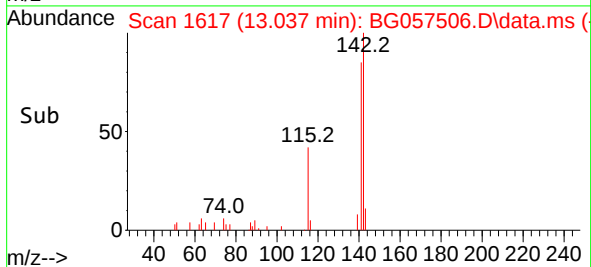
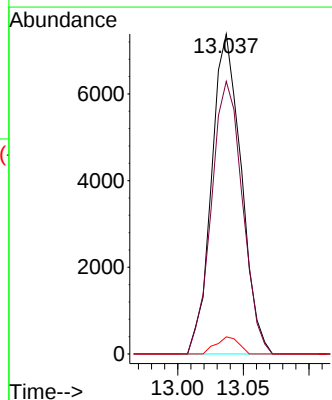
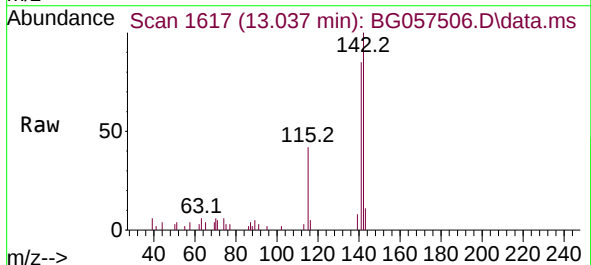
Instrument :
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ClientSampleId :
ETGI-359

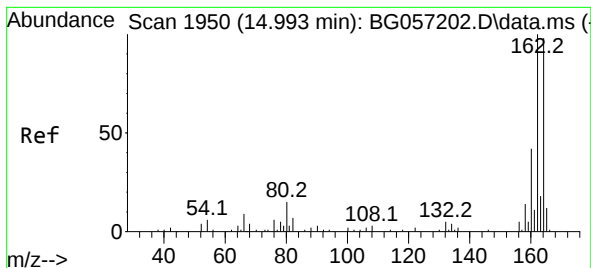
Tgt Ion:142 Resp: 17660
Ion Ratio Lower Upper
142 100
141 88.1 73.1 109.7
115 42.2 34.6 52.0



#38
1-Methylnaphthalene
Concen: 3.352 ng
RT: 13.037 min Scan# 1617
Delta R.T. -0.007 min
Lab File: BG057506.D
Acq: 22 May 2023 23:28

Tgt Ion:142 Resp: 11587
Ion Ratio Lower Upper
142 100
141 85.2 72.5 108.7
116 5.4 3.7 5.5





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.970 min Scan# 1946

Delta R.T. -0.007 min

Lab File: BG057506.D

Acq: 22 May 2023 23:28

Instrument :

BNA_G

ClientSampleId :

ETGI-359

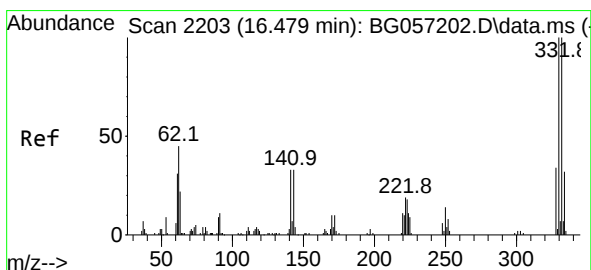
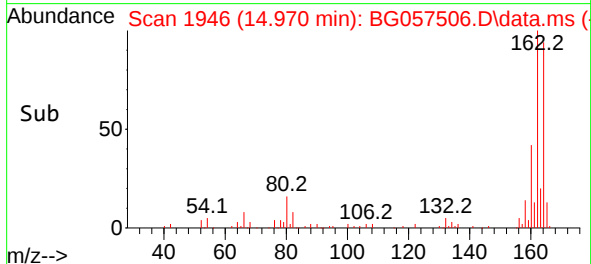
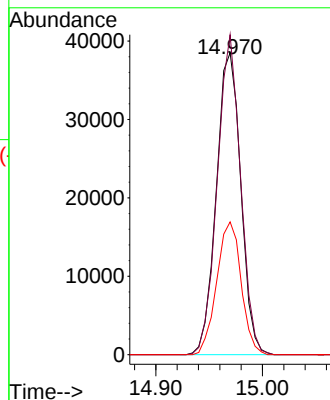
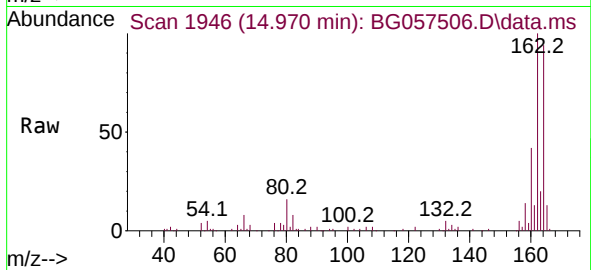
Tgt Ion:164 Resp: 61314

Ion Ratio Lower Upper

164 100

162 106.0 81.8 122.6

160 44.0 34.6 52.0



#42

2,4,6-Tribromophenol

Concen: 47.900 ng

RT: 16.450 min Scan# 2198

Delta R.T. -0.007 min

Lab File: BG057506.D

Acq: 22 May 2023 23:28

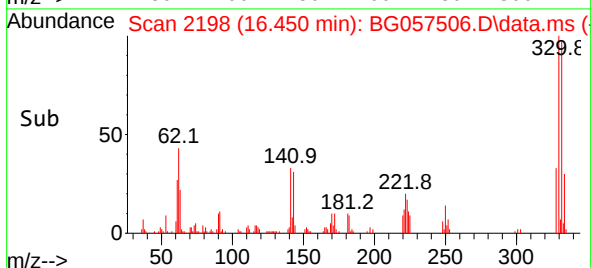
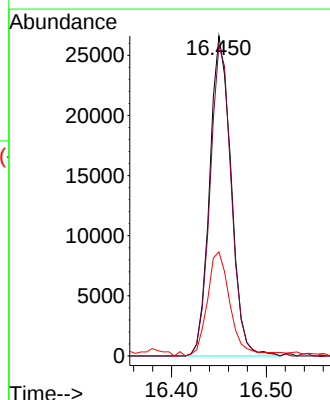
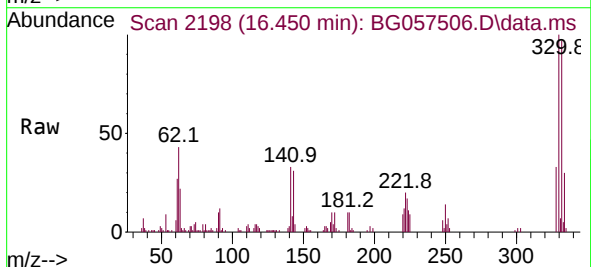
Tgt Ion:330 Resp: 41672

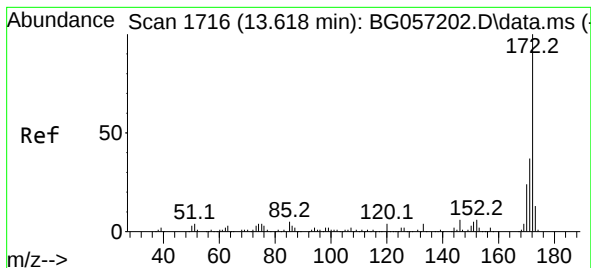
Ion Ratio Lower Upper

330 100

332 96.8 78.2 117.2

141 35.2 27.8 41.8





#45

2-Fluorobiphenyl

Concen: 35.501 ng

RT: 13.589 min Scan# 1

Delta R.T. -0.013 min

Lab File: BG057506.D

Acq: 22 May 2023 23:28

Instrument :

BNA_G

ClientSampleId :

ETGI-359

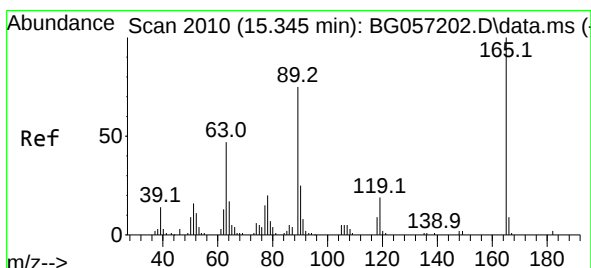
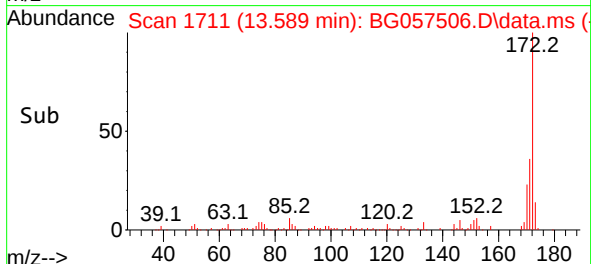
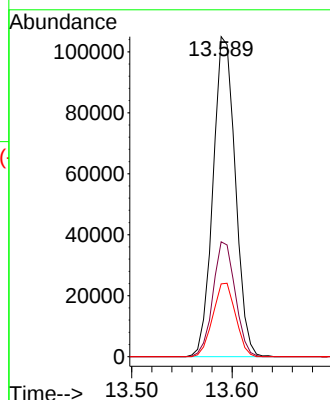
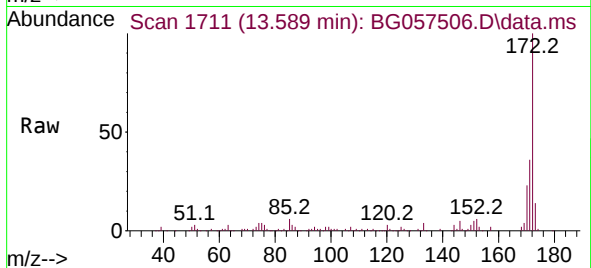
Tgt Ion:172 Resp: 161620

Ion Ratio Lower Upper

172 100

171 35.9 29.4 44.0

170 22.8 19.0 28.6



#57

2,4-Dinitrotoluene

Concen: 3.144 ng

RT: 15.328 min Scan# 2007

Delta R.T. -0.001 min

Lab File: BG057506.D

Acq: 22 May 2023 23:28

Tgt Ion:165 Resp: 4622

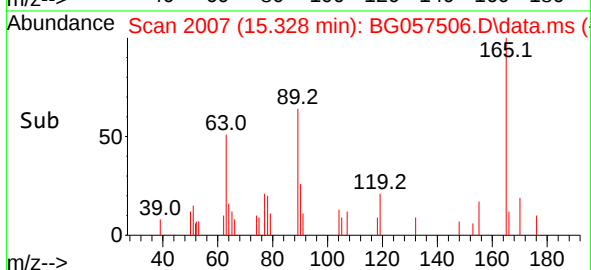
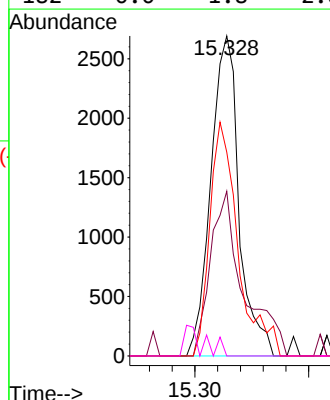
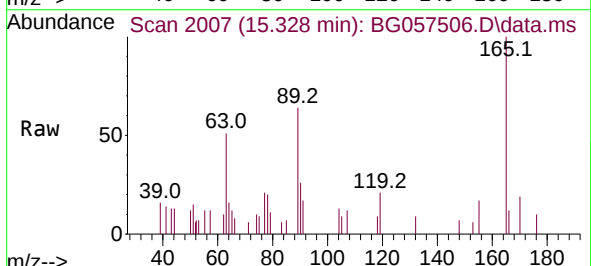
Ion Ratio Lower Upper

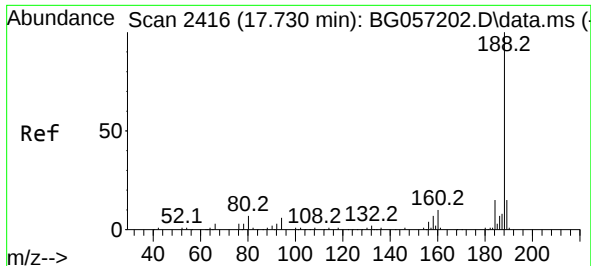
165 100

63 51.4 37.5 56.3

89 63.7 60.2 90.4

182 0.0 1.8 2.8#

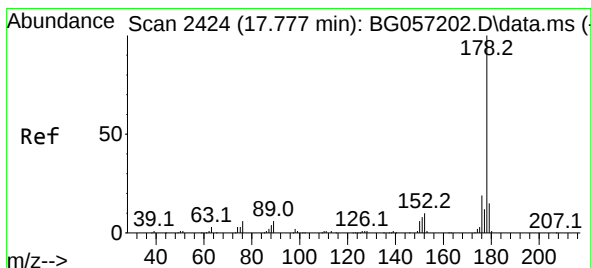
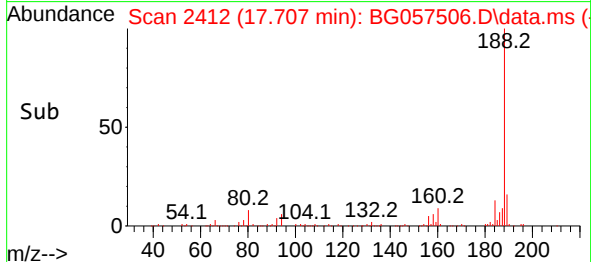
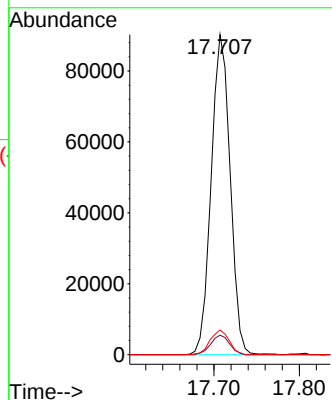
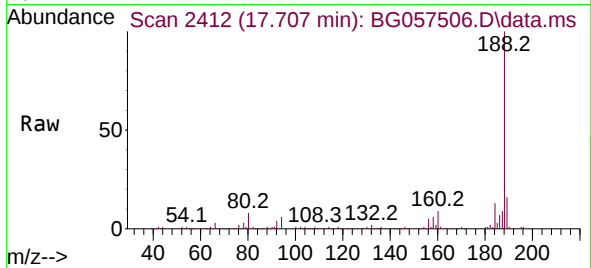




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.707 min Scan# 2416
Delta R.T. -0.007 min
Lab File: BG057506.D
Acq: 22 May 2023 23:28

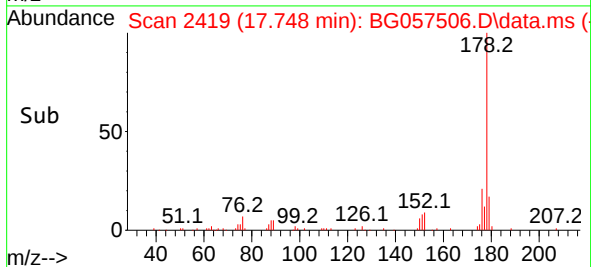
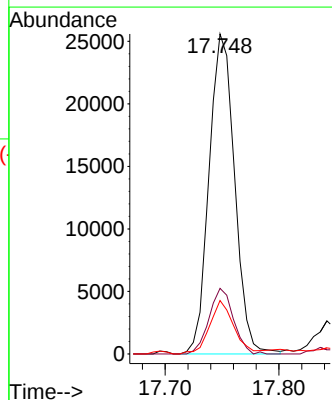
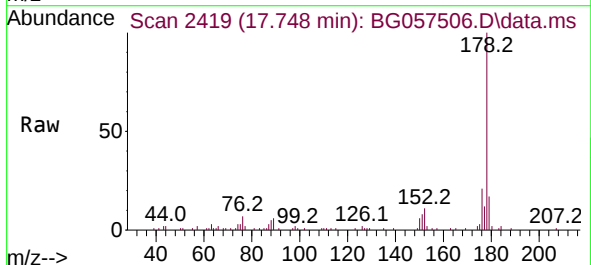
Instrument :
BNA_G
ClientSampleId :
ETGI-359

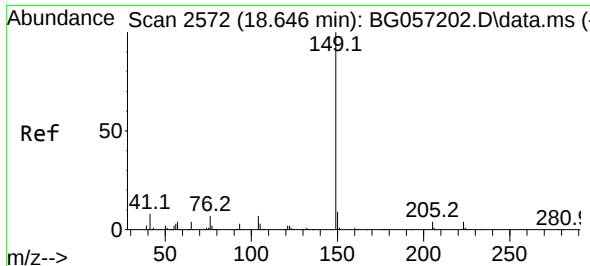
Tgt Ion:188 Resp: 139241
Ion Ratio Lower Upper
188 100
94 6.1 5.1 7.7
80 7.7 5.7 8.5



#71
Phenanthrene
Concen: 5.609 ng
RT: 17.748 min Scan# 2419
Delta R.T. -0.007 min
Lab File: BG057506.D
Acq: 22 May 2023 23:28

Tgt Ion:178 Resp: 40022
Ion Ratio Lower Upper
178 100
176 20.5 15.4 23.2
179 16.7 12.3 18.5

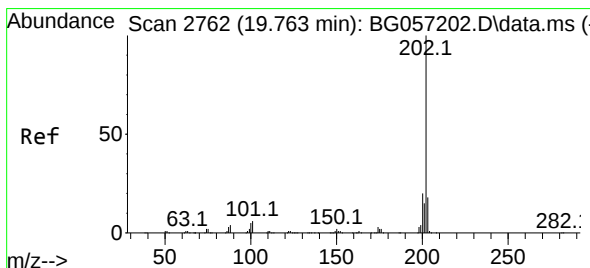
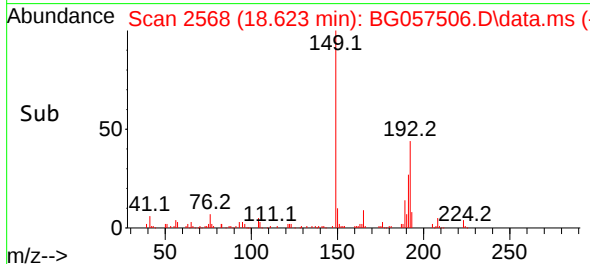
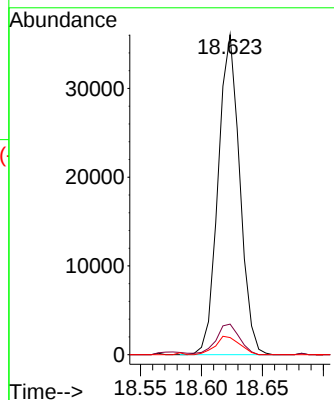
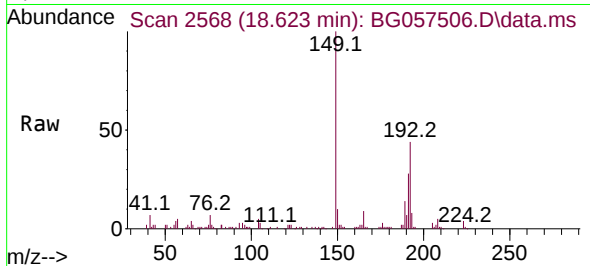




#74
Di-n-butylphthalate
Concen: 6.275 ng
RT: 18.623 min Scan# 21
Delta R.T. -0.007 min
Lab File: BG057506.D
Acq: 22 May 2023 23:28

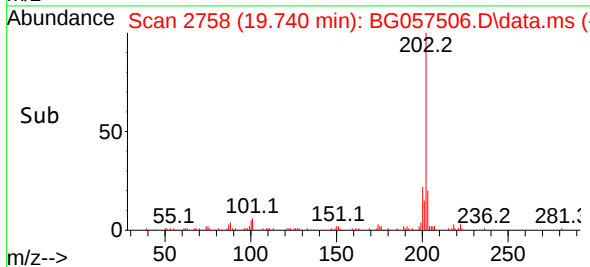
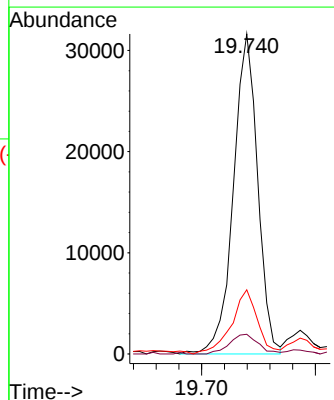
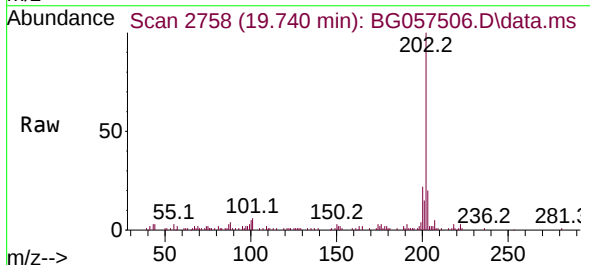
Instrument :
BNA_G
ClientSampleId :
ETGI-359

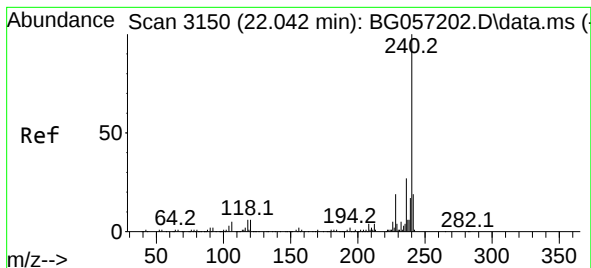
Tgt Ion:149 Resp: 44501
Ion Ratio Lower Upper
149 100
150 9.5 7.3 10.9
104 5.3 5.4 8.2#



#75
Fluoranthene
Concen: 5.282 ng
RT: 19.740 min Scan# 2758
Delta R.T. -0.007 min
Lab File: BG057506.D
Acq: 22 May 2023 23:28

Tgt Ion:202 Resp: 46874
Ion Ratio Lower Upper
202 100
101 6.2 0.0 26.2
203 20.1 0.0 37.9





#76

Chrysene-d12

Concen: 20.000 ng

RT: 22.013 min Scan# 31

Delta R.T. -0.007 min

Lab File: BG057506.D

Acq: 22 May 2023 23:28

Instrument :

BNA_G

ClientSampleId :

ETGI-359

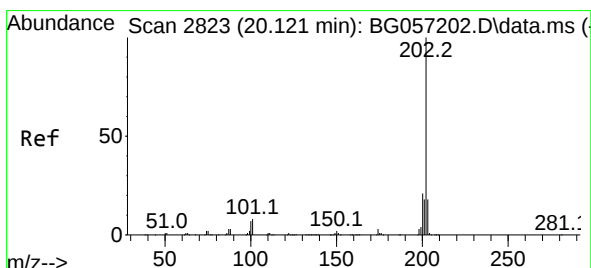
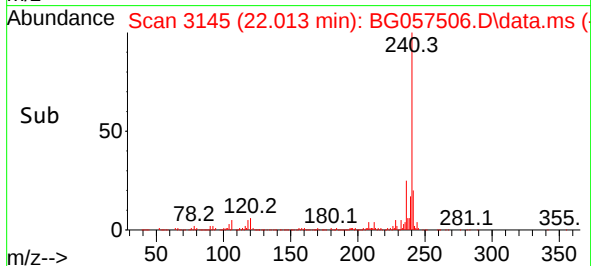
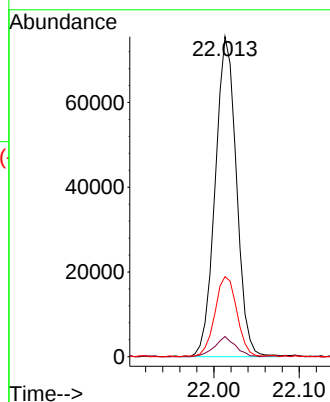
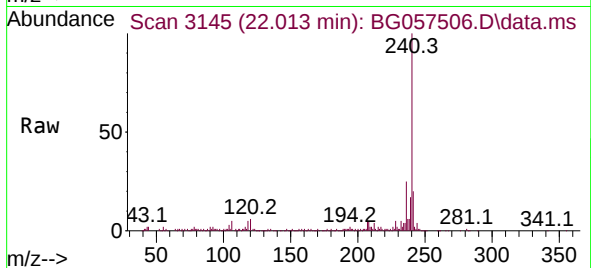
Tgt Ion:240 Resp: 130624

Ion Ratio Lower Upper

240 100

120 6.3 4.9 7.3

236 25.0 21.4 32.2



#78

Pyrene

Concen: 4.333 ng

RT: 20.098 min Scan# 2819

Delta R.T. -0.007 min

Lab File: BG057506.D

Acq: 22 May 2023 23:28

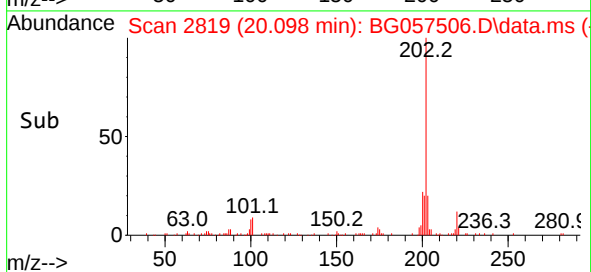
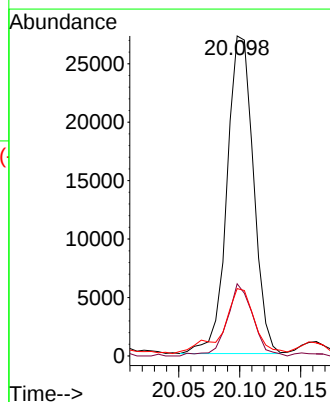
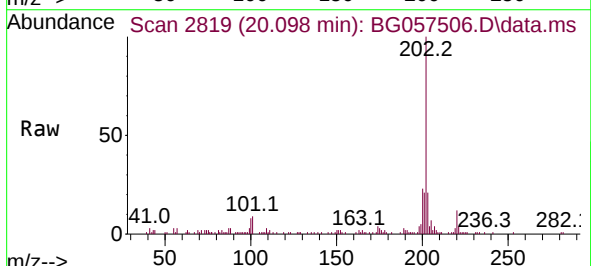
Tgt Ion:202 Resp: 41126

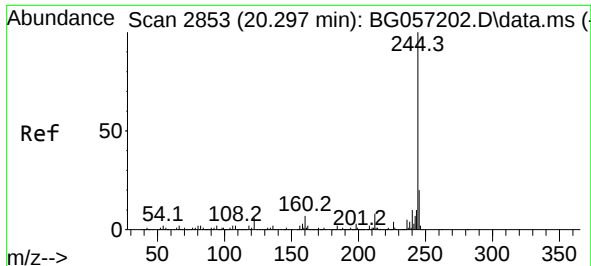
Ion Ratio Lower Upper

202 100

200 22.5 17.0 25.4

203 21.1 14.2 21.4

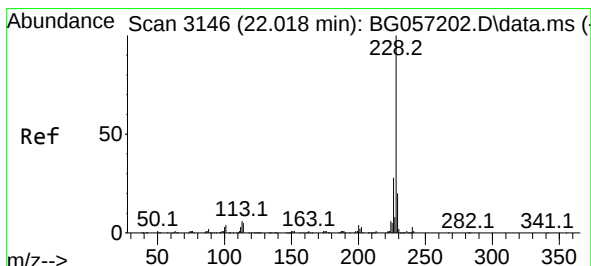
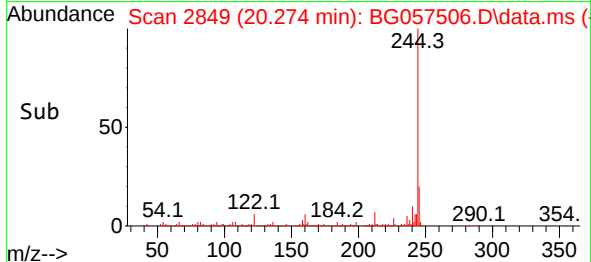
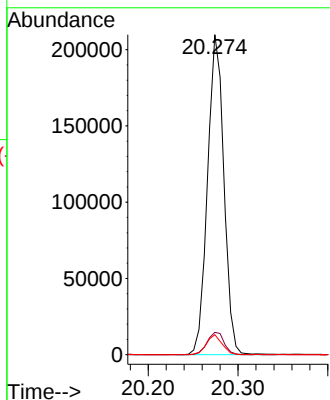
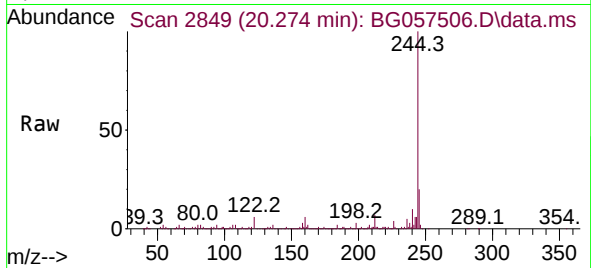




#79
 Terphenyl-d14
 Concen: 33.161 ng
 RT: 20.274 min Scan# 21
 Delta R.T. -0.007 min
 Lab File: BG057506.D
 Acq: 22 May 2023 23:28

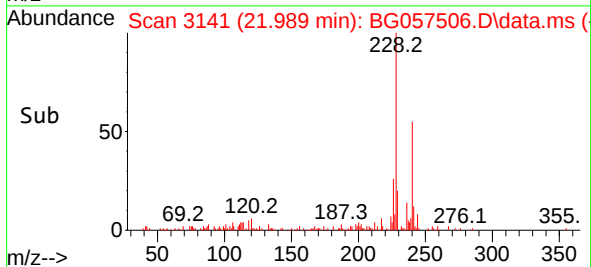
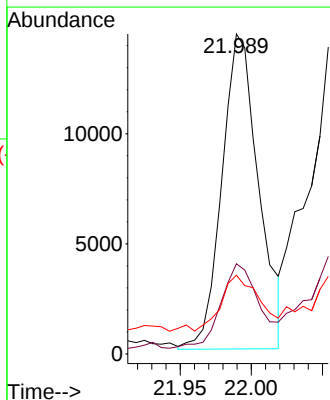
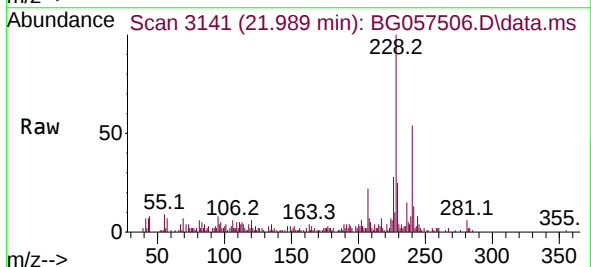
Instrument :
 BNA_G
 ClientSampleId :
 ETGI-359

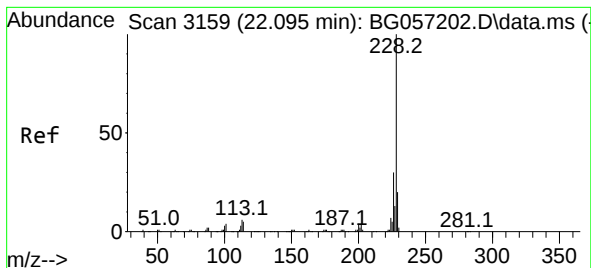
Tgt Ion:244 Resp: 265430
 Ion Ratio Lower Upper
 244 100
 212 7.0 6.1 9.1
 122 6.3 5.1 7.7



#81
 Benzo(a)anthracene
 Concen: 2.771 ng
 RT: 21.989 min Scan# 3141
 Delta R.T. -0.007 min
 Lab File: BG057506.D
 Acq: 22 May 2023 23:28

Tgt Ion:228 Resp: 25786
 Ion Ratio Lower Upper
 228 100
 226 28.2 22.0 33.0
 229 24.6 15.8 23.8#





#83

Chrysene

Concen: 4.617 ng

RT: 22.060 min Scan# 3159

Delta R.T. -0.012 min

Lab File: BG057506.D

Acq: 22 May 2023 23:28

Instrument :

BNA_G

ClientSampleId :

ETGI-359

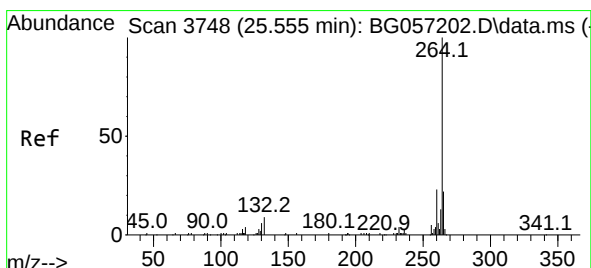
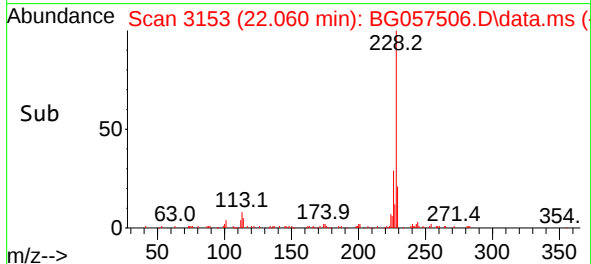
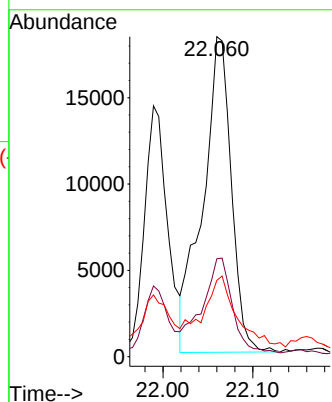
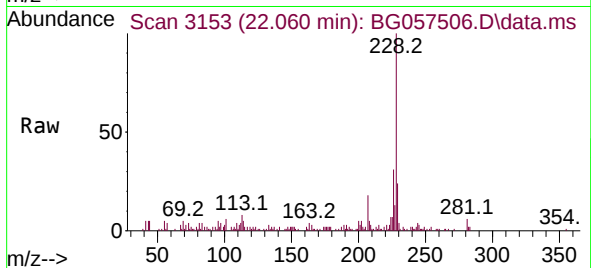
Tgt Ion:228 Resp: 40432

Ion Ratio Lower Upper

228 100

226 30.6 24.3 36.5

229 23.8 15.9 23.9



#86

Perylene-d12

Concen: 20.000 ng

RT: 25.514 min Scan# 3741

Delta R.T. -0.001 min

Lab File: BG057506.D

Acq: 22 May 2023 23:28

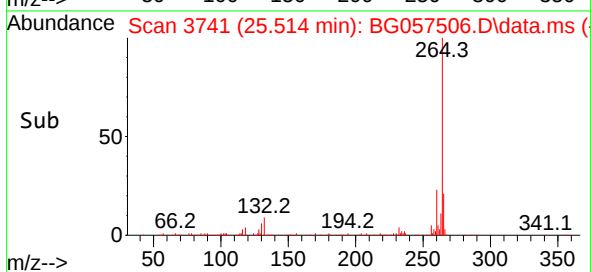
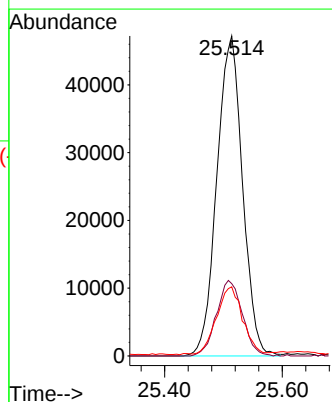
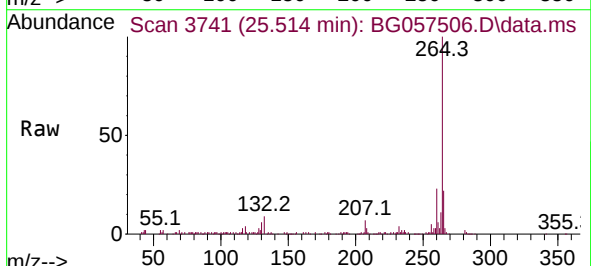
Tgt Ion:264 Resp: 143074

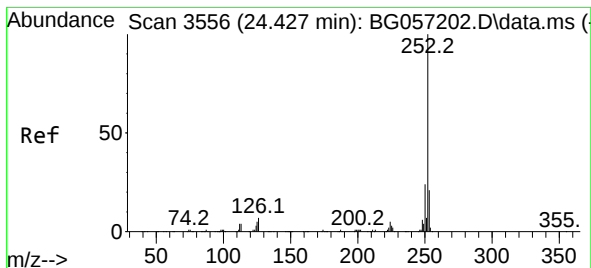
Ion Ratio Lower Upper

264 100

260 22.6 18.8 28.2

265 21.6 17.9 26.9





#88

Benzo(b)fluoranthene

Concen: 3.901 ng

RT: 24.386 min Scan# 3549

Delta R.T. -0.007 min

Lab File: BG057506.D

Acq: 22 May 2023 23:28

Instrument :

BNA_G

ClientSampleId :

ETGI-359

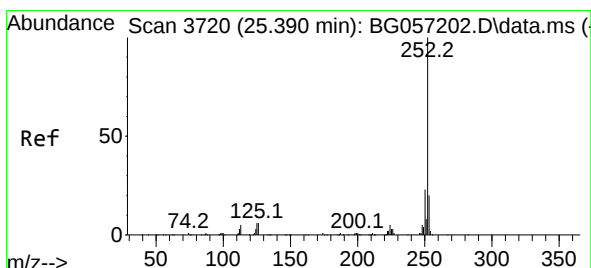
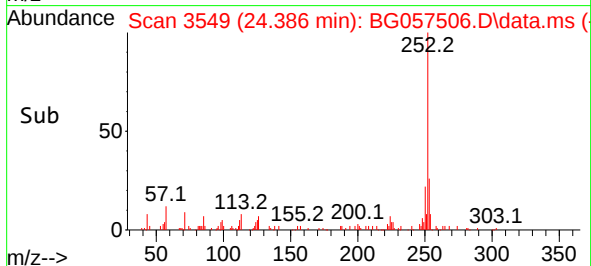
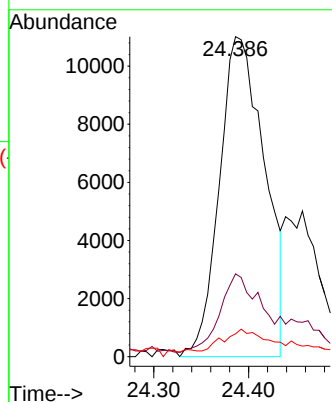
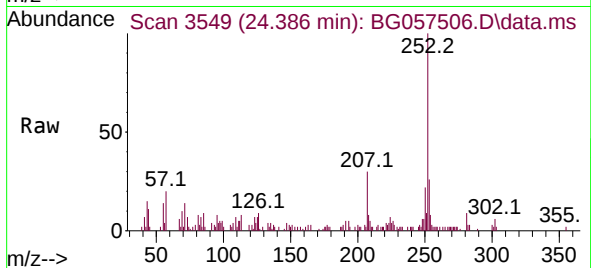
Tgt Ion:252 Resp: 36486

Ion Ratio Lower Upper

252 100

253 25.9 17.0 25.6#

125 7.2 4.2 6.2#



#90

Benzo(a)pyrene

Concen: 2.419 ng

RT: 25.344 min Scan# 3712

Delta R.T. -0.012 min

Lab File: BG057506.D

Acq: 22 May 2023 23:28

Tgt Ion:252 Resp: 22101

Ion Ratio Lower Upper

252 100

253 22.5 16.3 24.5

125 9.5 5.0 7.4#

