

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG052523\
 Data File : BG057573.D
 Acq On : 26 May 2023 1:24
 Operator : CG/JU
 Sample : 02935-01
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 ETGI-346

Quant Time: May 26 03:03:12 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG042723.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri May 26 02:58:05 2023
 Response via : Initial Calibration

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

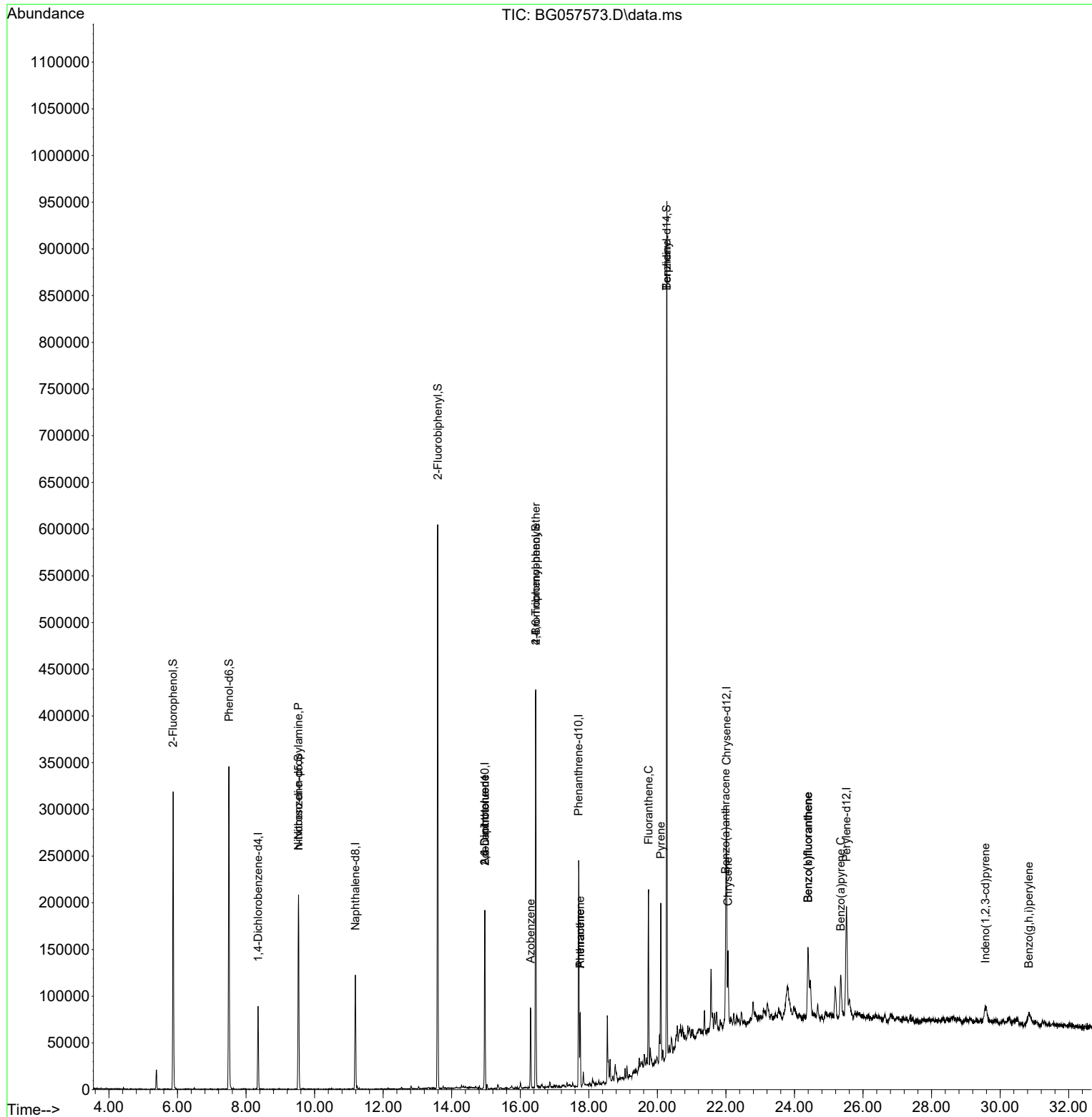
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.352	152	26106	20.000	ng	0.00
21) Naphthalene-d8	11.189	136	104719	20.000	ng	0.00
39) Acenaphthene-d10	14.967	164	71309	20.000	ng	0.00
64) Phenanthrene-d10	17.704	188	156514	20.000	ng	0.00
76) Chrysene-d12	22.016	240	133716	20.000	ng	0.00
86) Perylene-d12	25.517	264	146642	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.873	112	141409	92.659	ng	0.00
7) Phenol-d6	7.500	99	211753	91.372	ng	0.00
23) Nitrobenzene-d5	9.533	82	136306	54.631	ng	0.00
42) 2,4,6-Tribromophenol	16.453	330	90832	89.773	ng	0.00
45) 2-Fluorobiphenyl	13.592	172	318679	60.188	ng	0.00
79) Terphenyl-d14	20.277	244	474602	57.922	ng	0.00
Target Compounds						Qvalue
9) Benzaldehyde	7.500	77	407	Below Cal	#	4
19) n-Nitroso-di-n-propyla...	9.533	70	19154	10.839	ng	# 76
51) 2,6-Dinitrotoluene	14.967	165	9536	7.970	ng	# 18
57) 2,4-Dinitrotoluene	14.967	165	9536	5.577	ng	# 22
63) Azobenzene	16.300	77	26393	4.597	ng	# 1
67) 4-Bromophenyl-phenylether	16.453	248	6512	3.408	ng	# 1
71) Phenanthrene	17.751	178	52110	6.497	ng	98
72) Anthracene	17.751	178	52110	6.332	ng	98
75) Fluoranthene	19.742	202	124258	12.457	ng	98
77) Benzidine	20.271	184	7403	2.476	ng	# 89
78) Pyrene	20.101	202	109318	11.251	ng	99
81) Benzo(a)anthracene	21.992	228	63207	6.635	ng	97
83) Chrysene	22.063	228	61389	6.849	ng	97
87) Indeno(1,2,3-cd)pyrene	29.570	276	33172	3.104	ng	# 59
88) Benzo(b)fluoranthene	24.395	252	86257	8.998	ng	# 93
89) Benzo(k)fluoranthene	24.395	252	86257	8.855	ng	# 93
90) Benzo(a)pyrene	25.347	252	56393	6.022	ng	# 92
92) Benzo(g,h,i)perylene	30.833	276	31624	3.639	ng	# 97

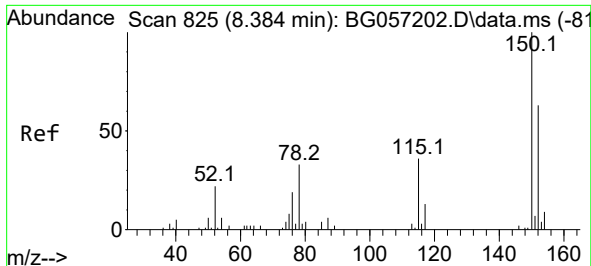
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG052523\
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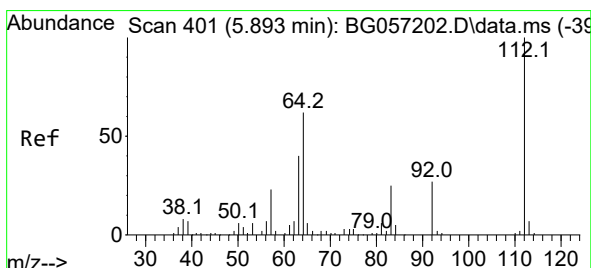
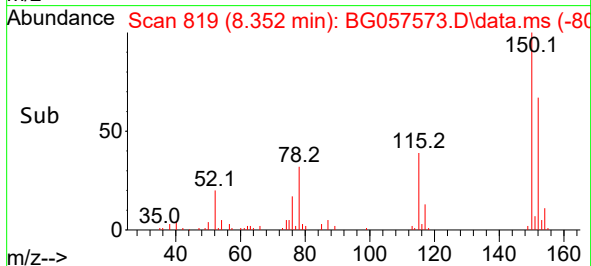
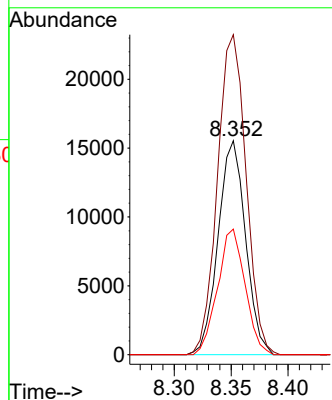
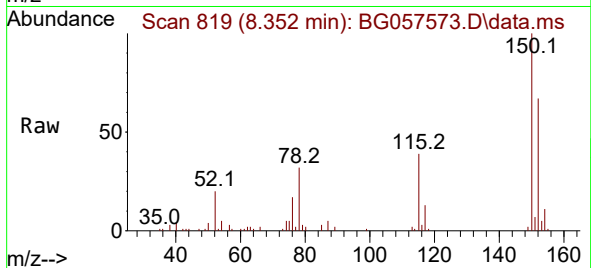




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.352 min Scan# 81
Delta R.T. 0.001 min
Lab File: BG057573.D
Acq: 26 May 2023 1:24

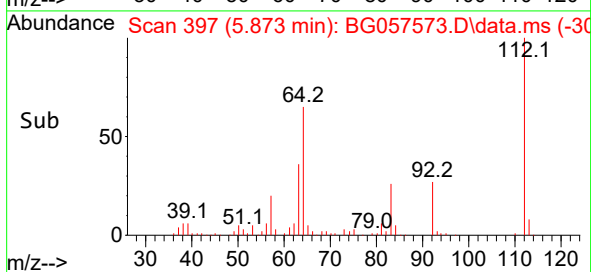
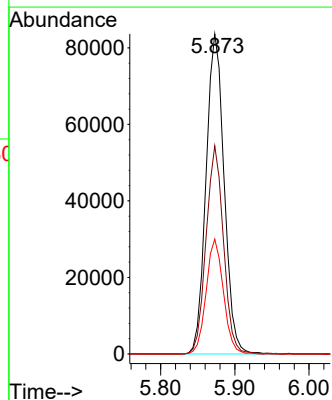
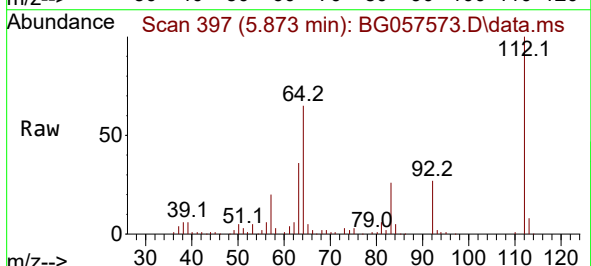
Instrument :
BNA_G
ClientSampleId :
ETGI-346

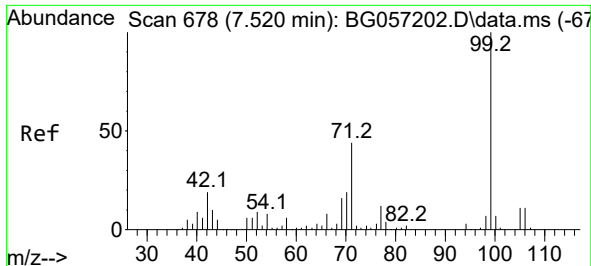
Tgt Ion:152 Resp: 26106
Ion Ratio Lower Upper
152 100
150 149.5 126.2 189.4
115 58.7 45.0 67.4



#5
2-Fluorophenol
Concen: 92.659 ng
RT: 5.873 min Scan# 397
Delta R.T. 0.001 min
Lab File: BG057573.D
Acq: 26 May 2023 1:24

Tgt Ion:112 Resp: 141409
Ion Ratio Lower Upper
112 100
64 65.1 49.4 74.2
63 35.9 31.6 47.4

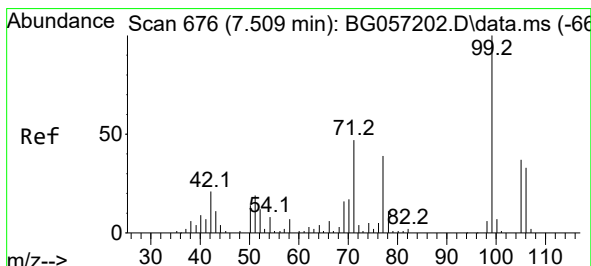
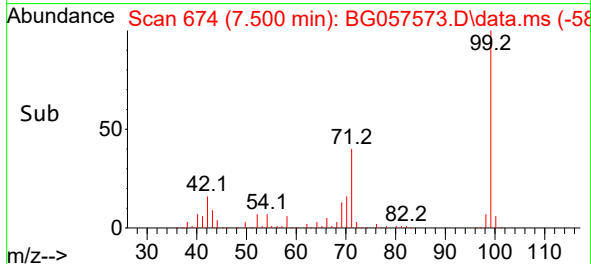
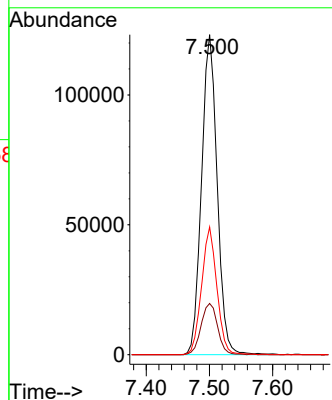
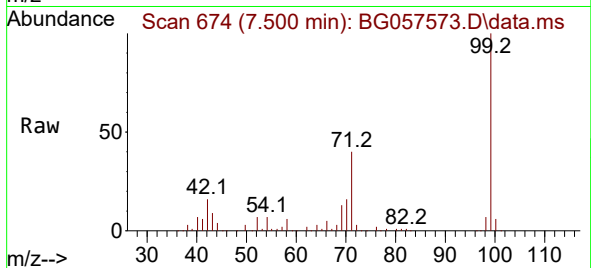




#7
Phenol-d6
Concen: 91.372 ng
RT: 7.500 min Scan# 61
Delta R.T. 0.001 min
Lab File: BG057573.D
Acq: 26 May 2023 1:24

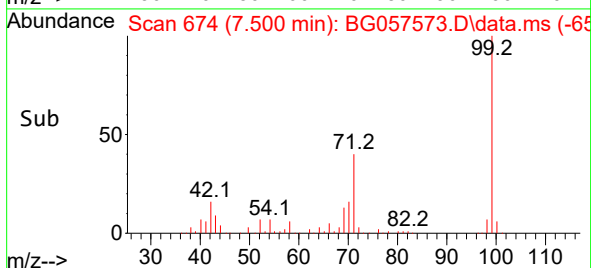
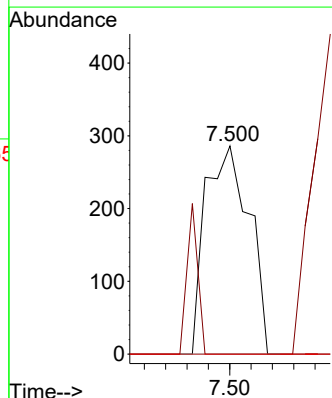
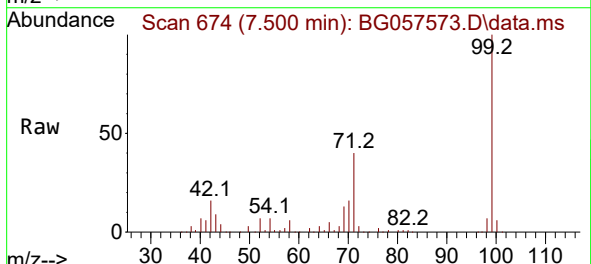
Instrument :
BNA_G
ClientSampleId :
ETGI-346

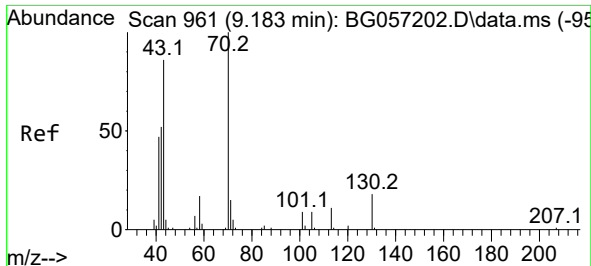
Tgt Ion: 99 Resp: 211753
Ion Ratio Lower Upper
99 100
42 16.0 15.1 22.7
71 39.9 35.2 52.8



#9
Benzaldehyde
Concen: Below Cal
RT: 7.500 min Scan# 674
Delta R.T. 0.018 min
Lab File: BG057573.D
Acq: 26 May 2023 1:24

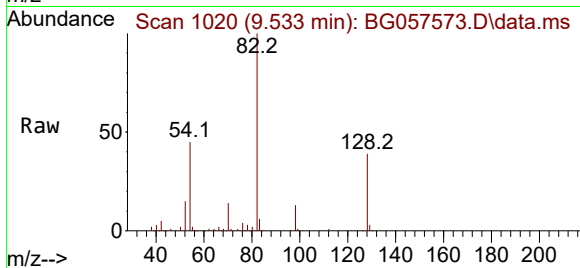
Tgt Ion: 77 Resp: 407
Ion Ratio Lower Upper
77 100
105 0.0 74.6 114.6#
106 0.0 66.3 106.3#



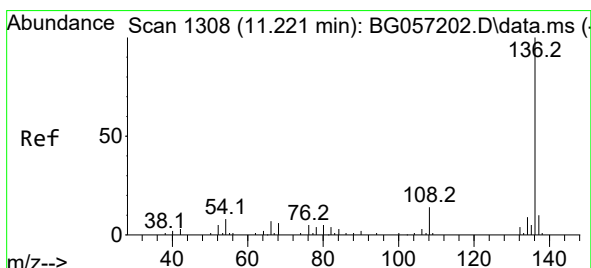
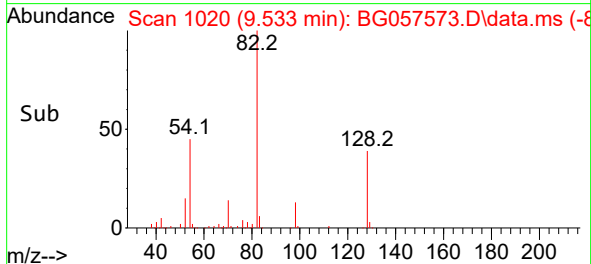
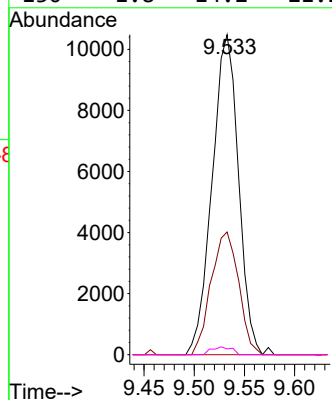


#19
n-Nitroso-di-n-propylamine
Concen: 10.839 ng
RT: 9.533 min Scan# 1020
Delta R.T. 0.377 min
Lab File: BG057573.D
Acq: 26 May 2023 1:24

Instrument :
BNA_G
ClientSampleId :
ETGI-346

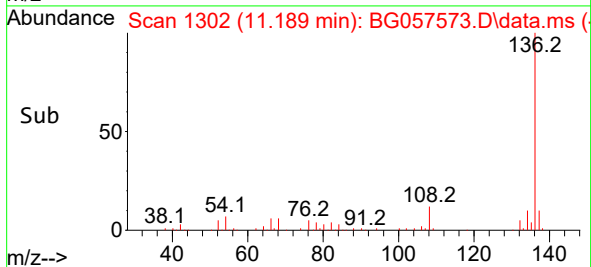
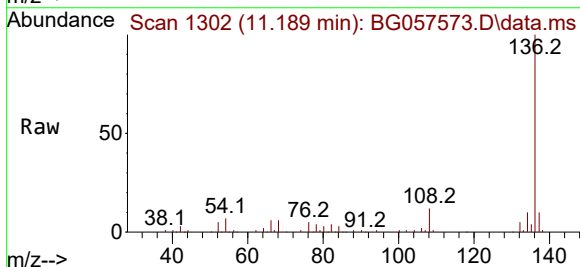
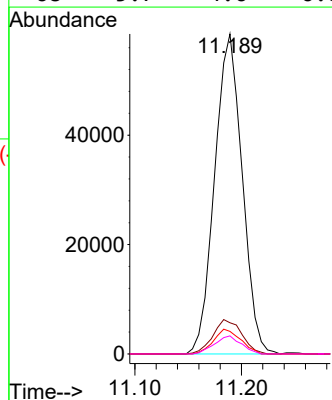


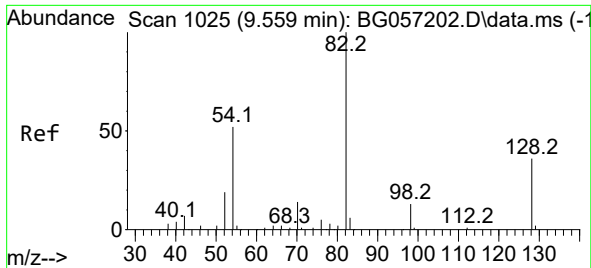
Tgt Ion: 70 Resp: 19154
Ion Ratio Lower Upper
70 100
42 38.3 41.8 62.8#
101 0.0 6.8 10.2#
130 1.8 14.2 21.2#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.189 min Scan# 1302
Delta R.T. -0.005 min
Lab File: BG057573.D
Acq: 26 May 2023 1:24

Tgt Ion: 136 Resp: 104719
Ion Ratio Lower Upper
136 100
137 9.8 8.3 12.5
54 7.1 6.7 10.1
68 5.7 4.6 6.8





#23

Nitrobenzene-d5

Concen: 54.631 ng

RT: 9.533 min Scan# 1

Delta R.T. -0.005 min

Lab File: BG057573.D

Acq: 26 May 2023 1:24

Instrument :

BNA_G

ClientSampleId :

ETGI-346

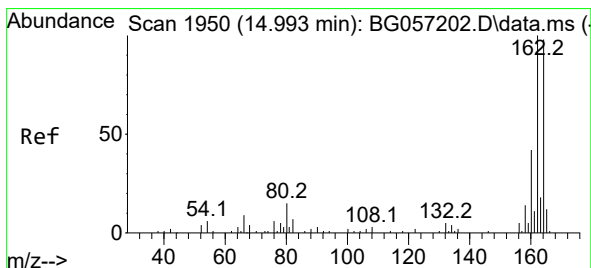
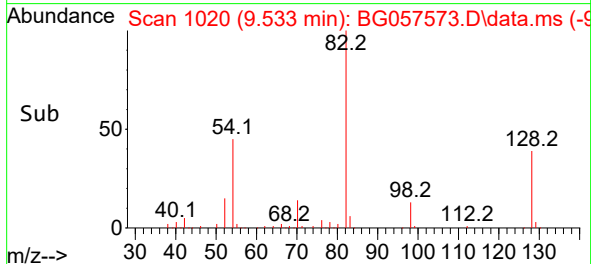
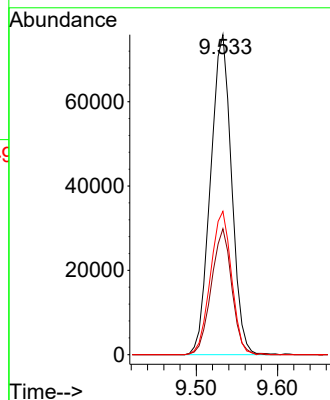
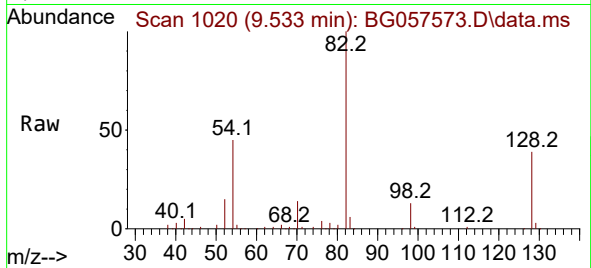
Tgt Ion: 82 Resp: 136306

Ion Ratio Lower Upper

82 100

128 39.4 29.0 43.4

54 44.8 41.4 62.0



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.967 min Scan# 1945

Delta R.T. -0.005 min

Lab File: BG057573.D

Acq: 26 May 2023 1:24

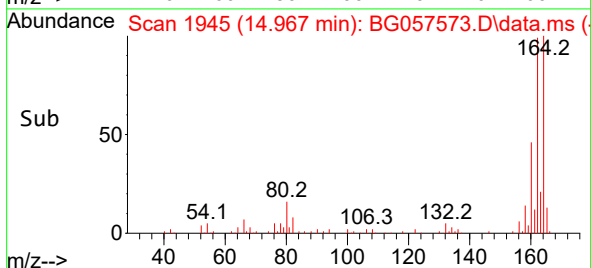
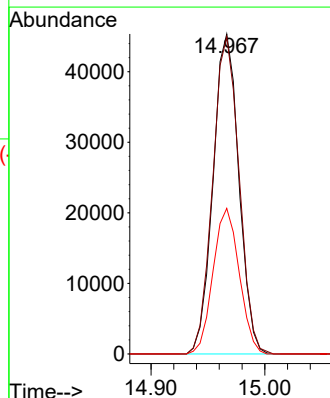
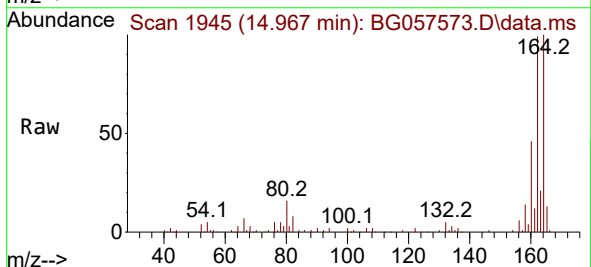
Tgt Ion:164 Resp: 71309

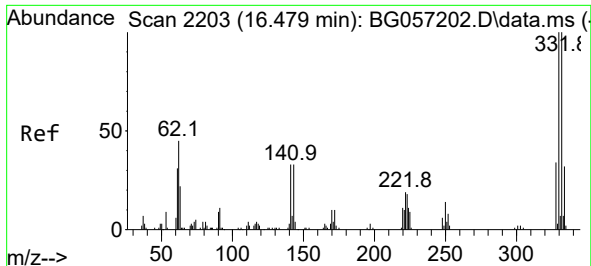
Ion Ratio Lower Upper

164 100

162 99.1 81.8 122.6

160 45.5 34.6 52.0





#42

2,4,6-Tribromophenol

Concen: 89.773 ng

RT: 16.453 min Scan# 2198

Delta R.T. -0.005 min

Lab File: BG057573.D

Acq: 26 May 2023 1:24

Instrument :

BNA_G

ClientSampleId :

ETGI-346

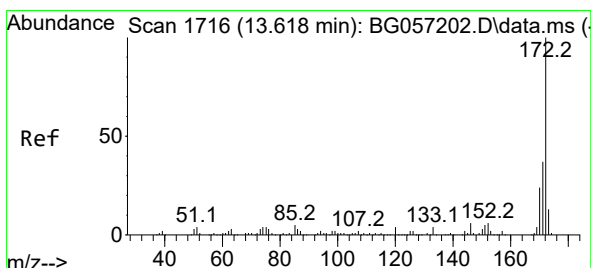
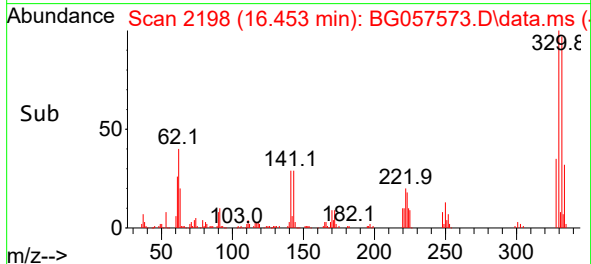
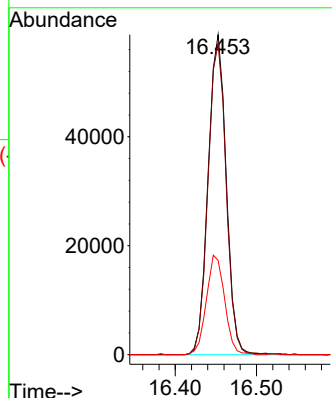
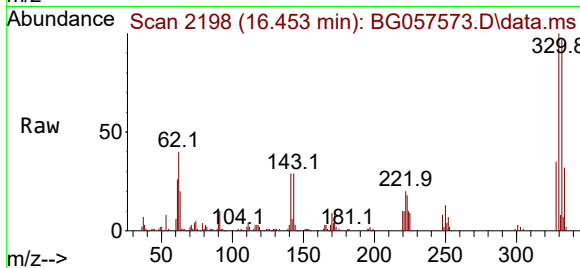
Tgt Ion:330 Resp: 90832

Ion Ratio Lower Upper

330 100

332 97.2 78.2 117.2

141 31.4 27.8 41.8



#45

2-Fluorobiphenyl

Concen: 60.188 ng

RT: 13.592 min Scan# 1711

Delta R.T. -0.005 min

Lab File: BG057573.D

Acq: 26 May 2023 1:24

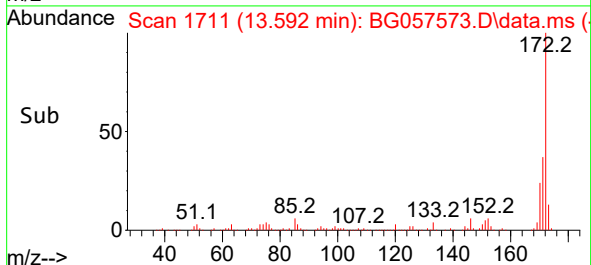
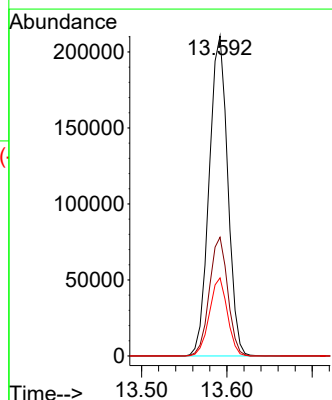
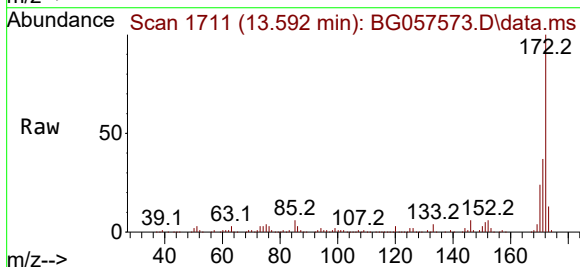
Tgt Ion:172 Resp: 318679

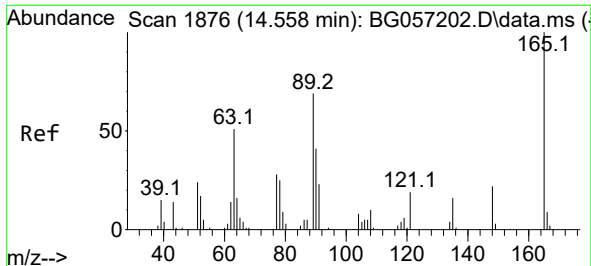
Ion Ratio Lower Upper

172 100

171 37.1 29.4 44.0

170 24.4 19.0 28.6





#51

2,6-Dinitrotoluene

Concen: 7.970 ng

RT: 14.967 min Scan# 1945

Delta R.T. 0.424 min

Lab File: BG057573.D

Acq: 26 May 2023 1:24

Instrument :

BNA_G

ClientSampleId :

ETGI-346

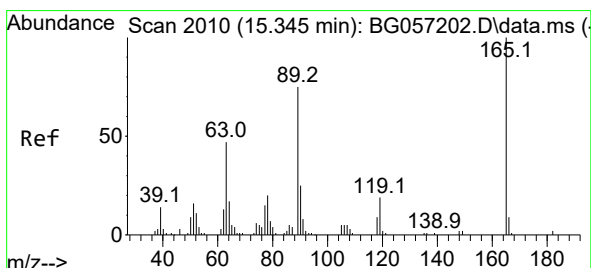
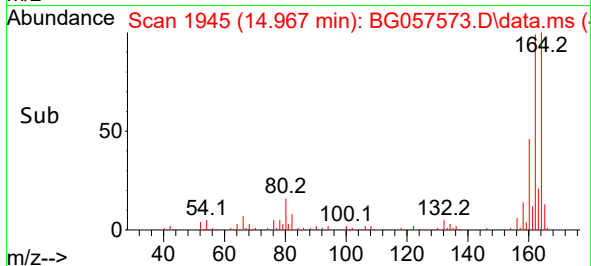
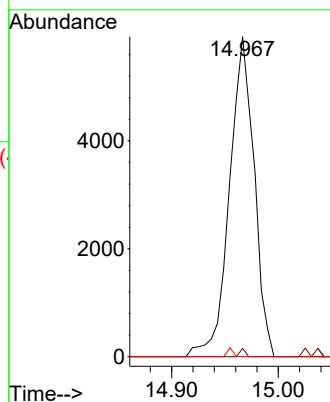
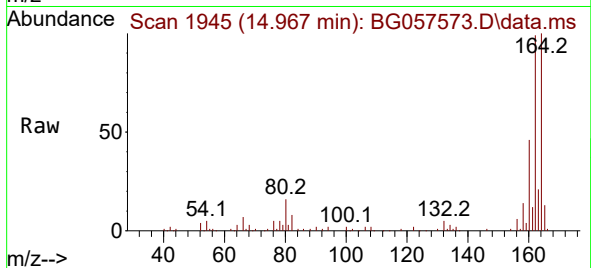
Tgt Ion:165 Resp: 9536

Ion Ratio Lower Upper

165 100

63 2.6 50.9 76.3#

89 0.0 55.2 82.8#



#57

2,4-Dinitrotoluene

Concen: 5.577 ng

RT: 14.967 min Scan# 1945

Delta R.T. -0.364 min

Lab File: BG057573.D

Acq: 26 May 2023 1:24

Tgt Ion:165 Resp: 9536

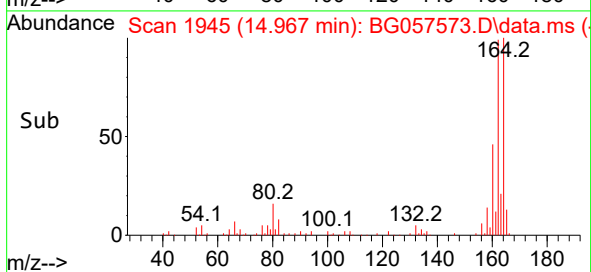
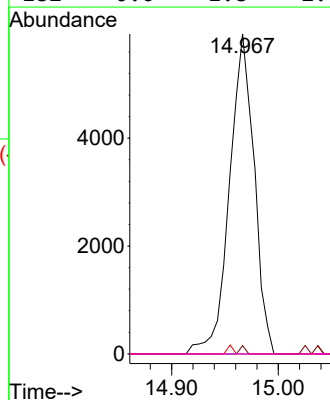
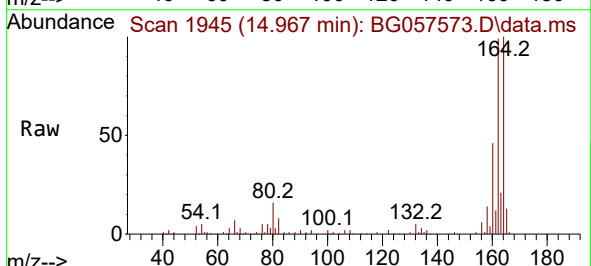
Ion Ratio Lower Upper

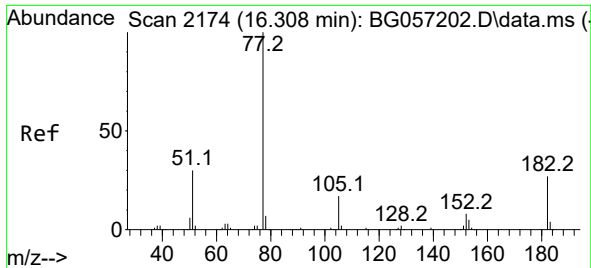
165 100

63 2.6 37.5 56.3#

89 0.0 60.2 90.4#

182 0.0 1.8 2.8#

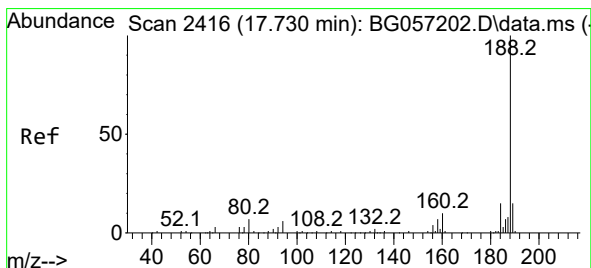
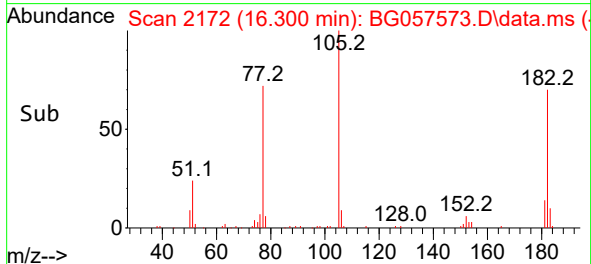
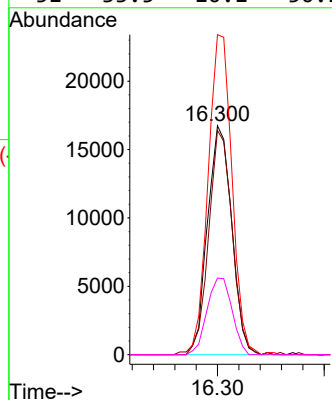
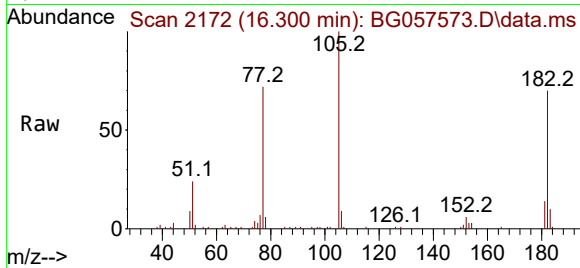




#63
 Azobenzene
 Concen: 4.597 ng
 RT: 16.300 min Scan# 2174
 Delta R.T. 0.018 min
 Lab File: BG057573.D
 Acq: 26 May 2023 1:24

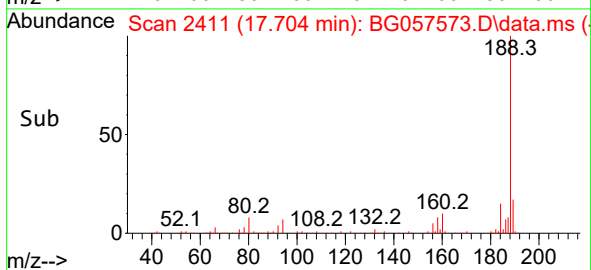
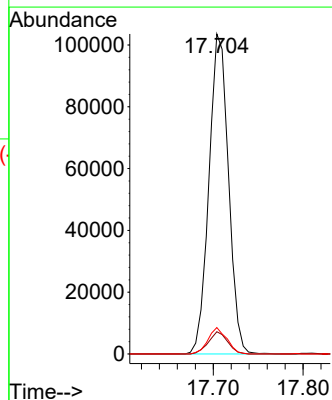
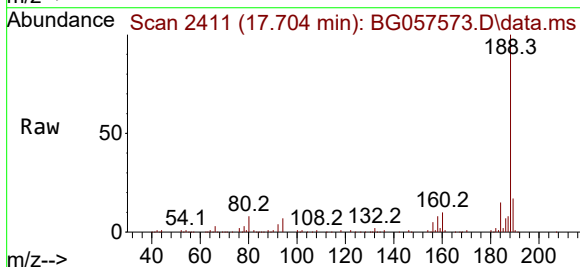
Instrument :
 BNA_G
 ClientSampleId :
 ETGI-346

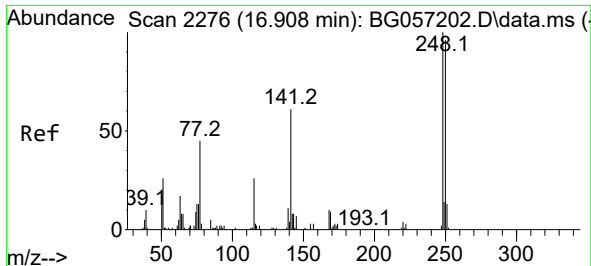
Tgt Ion: 77	Resp: 26393
Ion Ratio	Lower Upper
77 100	
182 97.9	7.4 47.4#
105 139.8	0.0 37.2#
51 33.5	10.1 50.1



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.704 min Scan# 2411
 Delta R.T. -0.005 min
 Lab File: BG057573.D
 Acq: 26 May 2023 1:24

Tgt Ion: 188	Resp: 156514
Ion Ratio	Lower Upper
188 100	
94 7.0	5.1 7.7
80 8.2	5.7 8.5

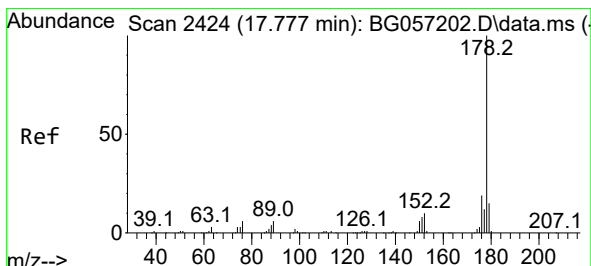
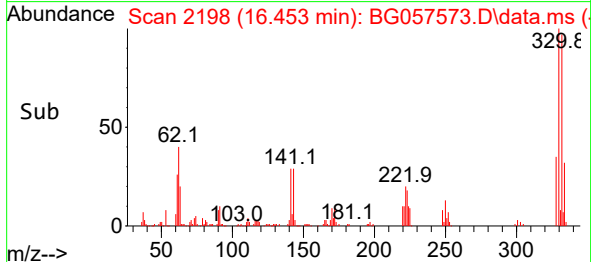
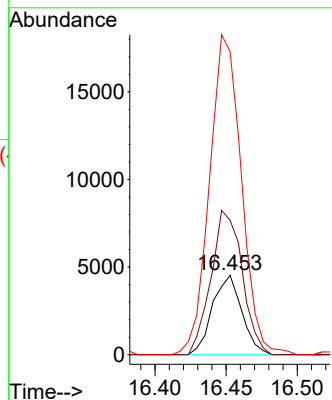
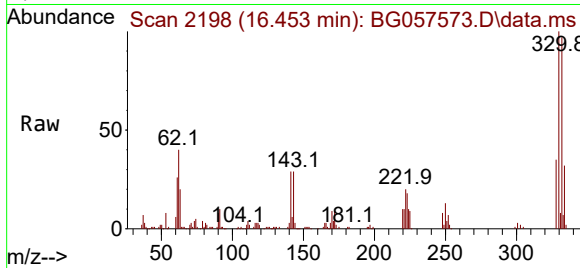




#67
4-Bromophenyl-phenylether
Concen: 3.408 ng
RT: 16.453 min Scan# 2198
Delta R.T. -0.434 min
Lab File: BG057573.D
Acq: 26 May 2023 1:24

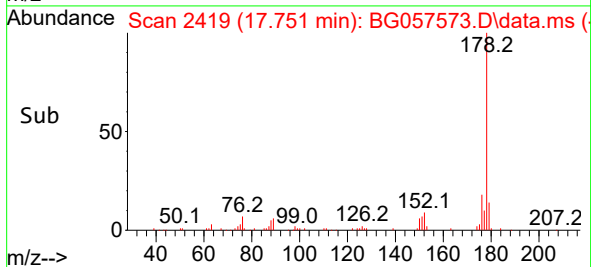
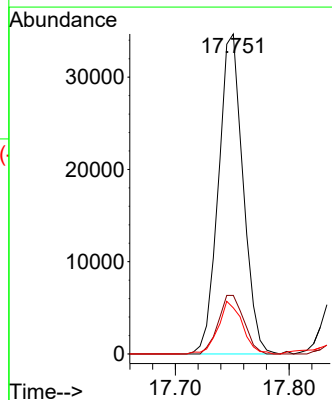
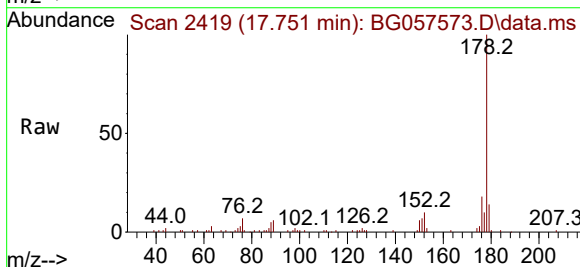
Instrument :
BNA_G
ClientSampleId :
ETGI-346

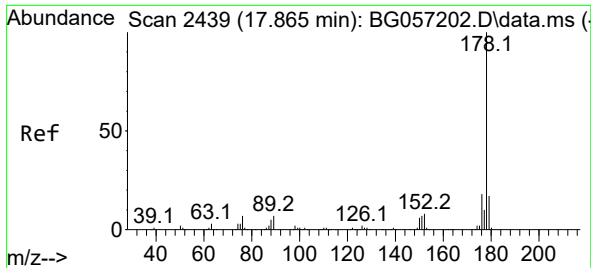
Tgt Ion:248 Resp: 6512
Ion Ratio Lower Upper
248 100
250 169.3 77.0 115.6#
141 381.5 48.6 72.8#



#71
Phenanthrene
Concen: 6.497 ng
RT: 17.751 min Scan# 2419
Delta R.T. -0.005 min
Lab File: BG057573.D
Acq: 26 May 2023 1:24

Tgt Ion:178 Resp: 52110
Ion Ratio Lower Upper
178 100
176 18.3 15.4 23.2
179 14.4 12.3 18.5

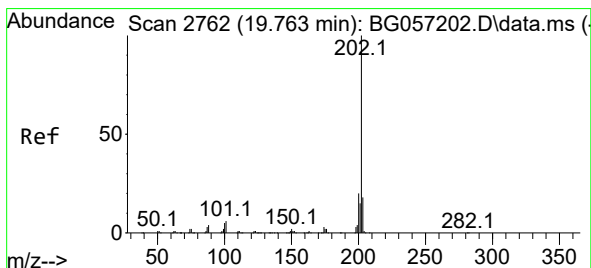
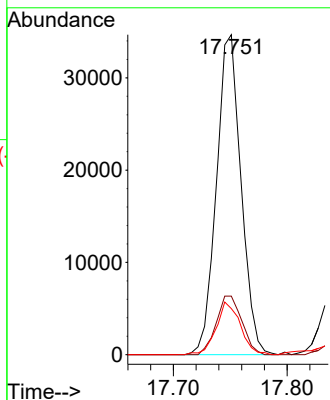
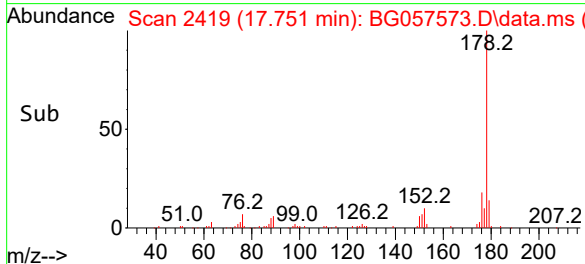
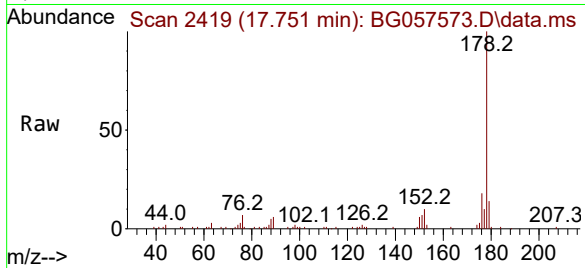




#72
 Anthracene
 Concen: 6.332 ng
 RT: 17.751 min Scan# 2439
 Delta R.T. -0.093 min
 Lab File: BG057573.D
 Acq: 26 May 2023 1:24

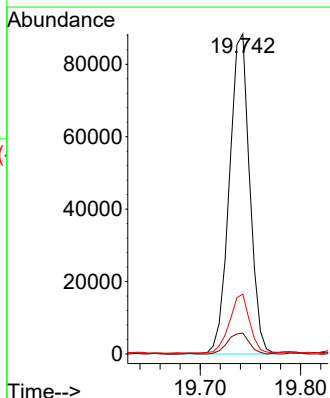
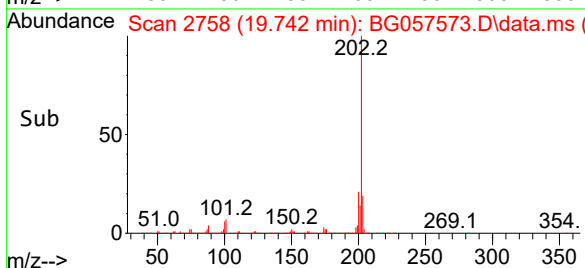
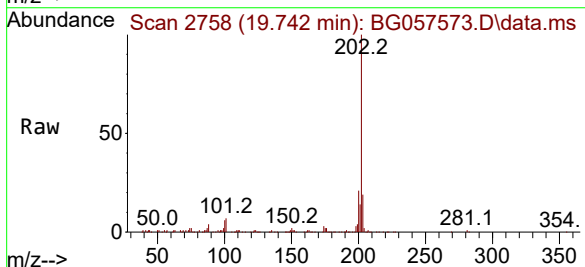
Instrument :
 BNA_G
 ClientSampleId :
 ETGI-346

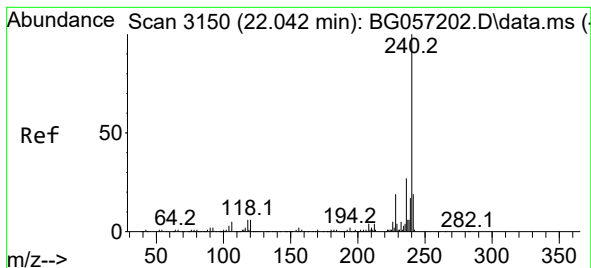
Tgt Ion:178 Resp: 52110
 Ion Ratio Lower Upper
 178 100
 176 18.3 14.7 22.1
 179 14.4 13.2 19.8



#75
 Fluoranthene
 Concen: 12.457 ng
 RT: 19.742 min Scan# 2758
 Delta R.T. 0.001 min
 Lab File: BG057573.D
 Acq: 26 May 2023 1:24

Tgt Ion:202 Resp: 124258
 Ion Ratio Lower Upper
 202 100
 101 6.6 0.0 26.2
 203 18.7 0.0 37.9





#76

Chrysene-d12

Concen: 20.000 ng

RT: 22.016 min Scan# 31

Delta R.T. -0.005 min

Lab File: BG057573.D

Acq: 26 May 2023 1:24

Instrument :

BNA_G

ClientSampleId :

ETGI-346

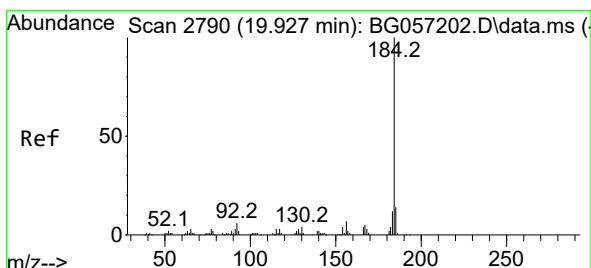
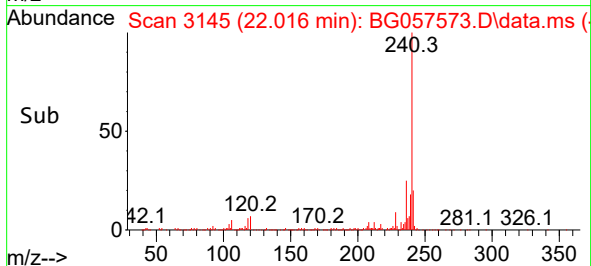
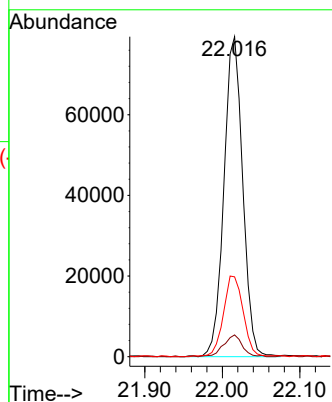
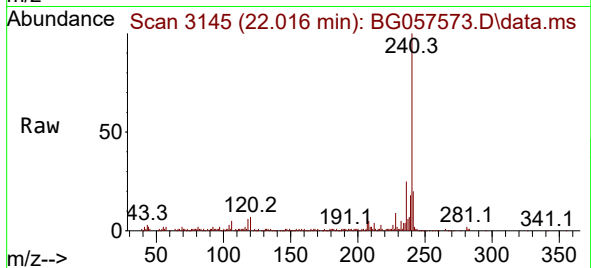
Tgt Ion:240 Resp: 133716

Ion Ratio Lower Upper

240 100

120 6.8 4.9 7.3

236 25.0 21.4 32.2



#77

Benzidine

Concen: 2.476 ng

RT: 20.271 min Scan# 2848

Delta R.T. 0.365 min

Lab File: BG057573.D

Acq: 26 May 2023 1:24

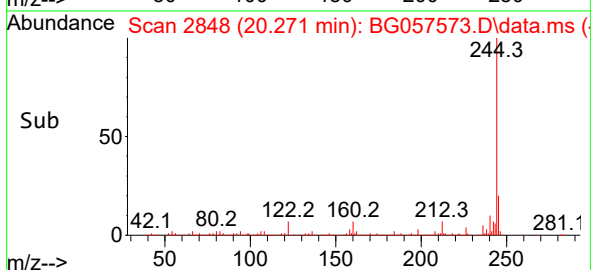
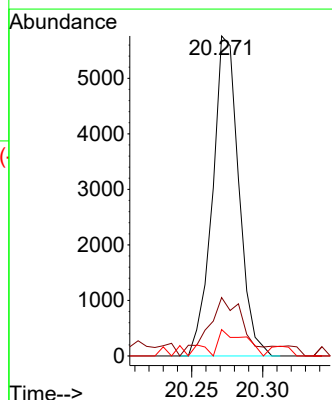
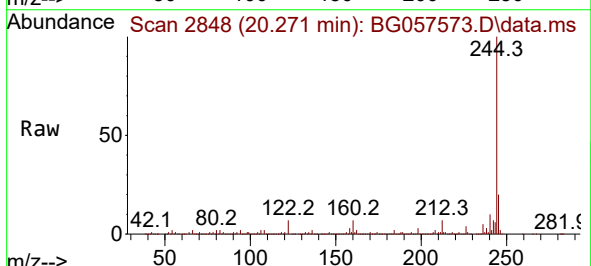
Tgt Ion:184 Resp: 7403

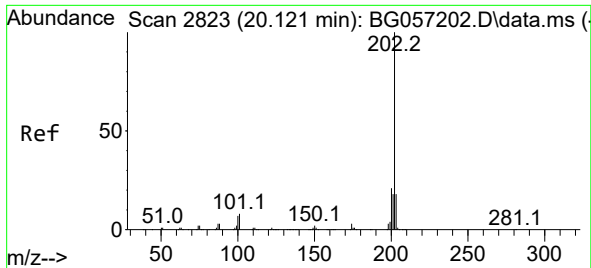
Ion Ratio Lower Upper

184 100

185 18.3 11.1 16.7#

183 8.2 9.9 14.9#

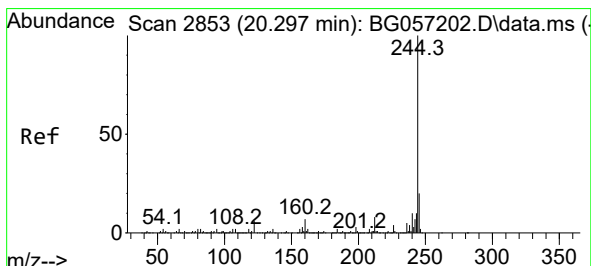
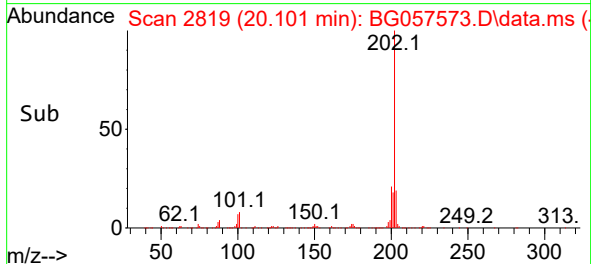
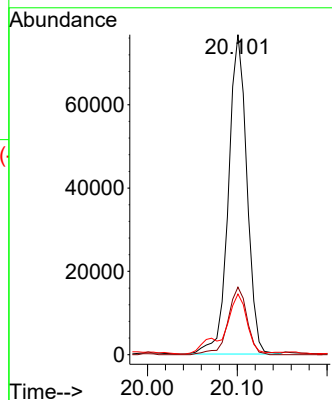
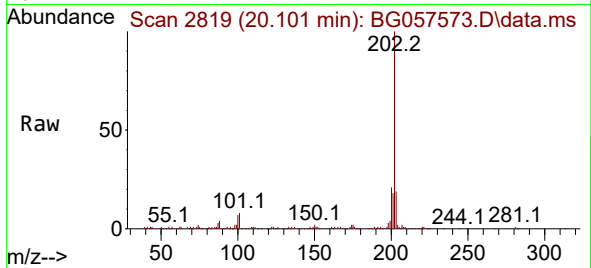




#78
 Pyrene
 Concen: 11.251 ng
 RT: 20.101 min Scan# 2819
 Delta R.T. -0.005 min
 Lab File: BG057573.D
 Acq: 26 May 2023 1:24

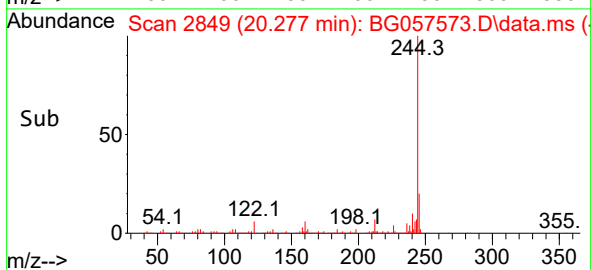
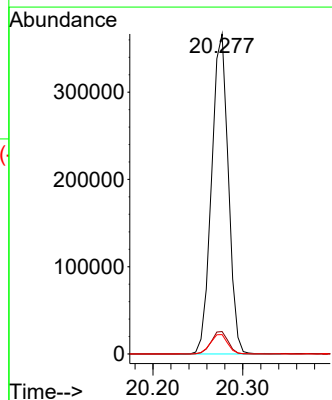
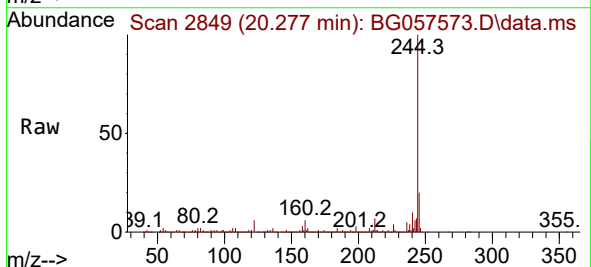
Instrument :
 BNA_G
 ClientSampleId :
 ETGI-346

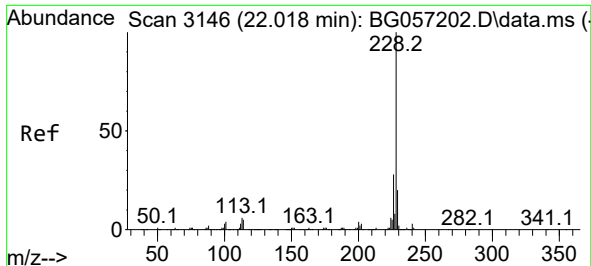
Tgt Ion:202 Resp: 109318
 Ion Ratio Lower Upper
 202 100
 200 21.1 17.0 25.4
 203 19.0 14.2 21.4



#79
 Terphenyl-d14
 Concen: 57.922 ng
 RT: 20.277 min Scan# 2849
 Delta R.T. 0.001 min
 Lab File: BG057573.D
 Acq: 26 May 2023 1:24

Tgt Ion:244 Resp: 474602
 Ion Ratio Lower Upper
 244 100
 212 7.0 6.1 9.1
 122 6.0 5.1 7.7

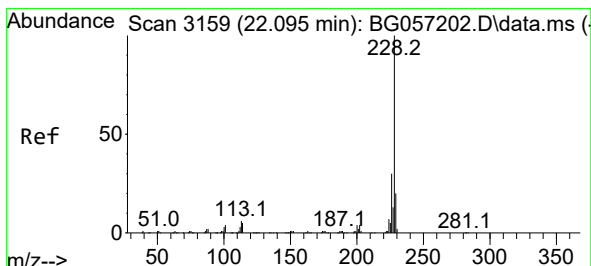
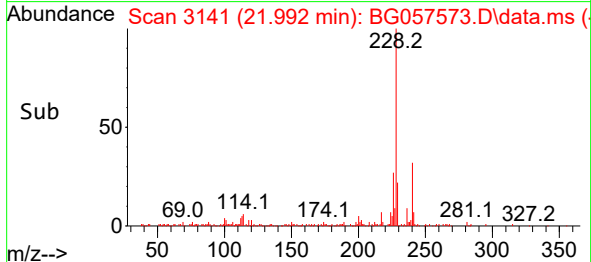
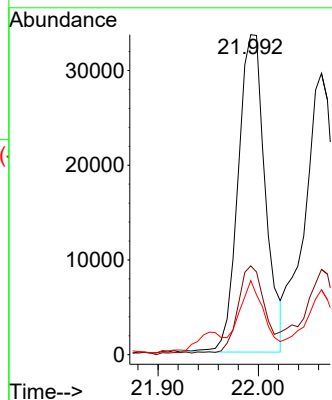
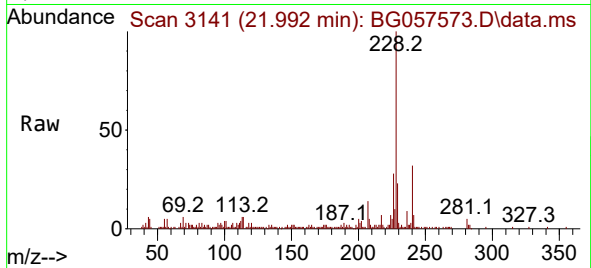




#81
Benzo(a)anthracene
Concen: 6.635 ng
RT: 21.992 min Scan# 3146
Delta R.T. -0.005 min
Lab File: BG057573.D
Acq: 26 May 2023 1:24

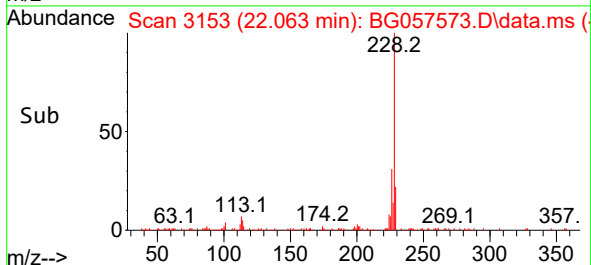
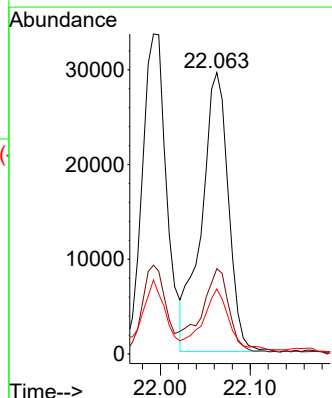
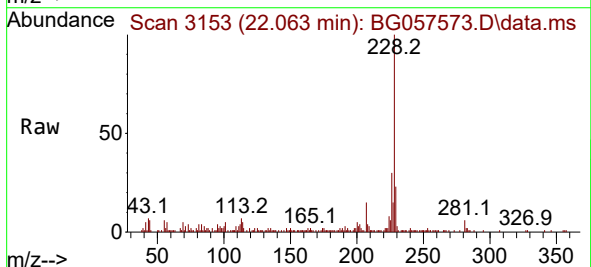
Instrument :
BNA_G
ClientSampleId :
ETGI-346

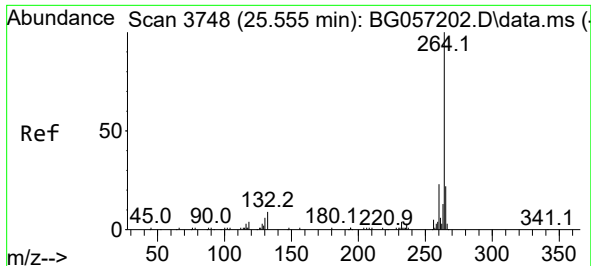
Tgt Ion:228 Resp: 63207
Ion Ratio Lower Upper
228 100
226 27.7 22.0 33.0
229 23.2 15.8 23.8



#83
Chrysene
Concen: 6.849 ng
RT: 22.063 min Scan# 3153
Delta R.T. -0.005 min
Lab File: BG057573.D
Acq: 26 May 2023 1:24

Tgt Ion:228 Resp: 61389
Ion Ratio Lower Upper
228 100
226 30.3 24.3 36.5
229 23.1 15.9 23.9

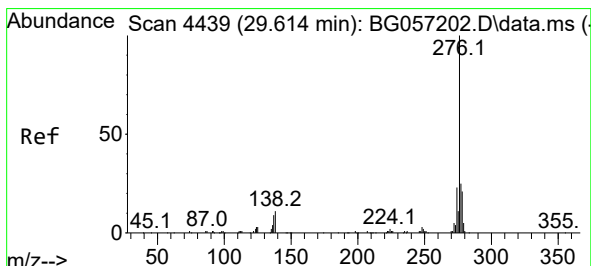
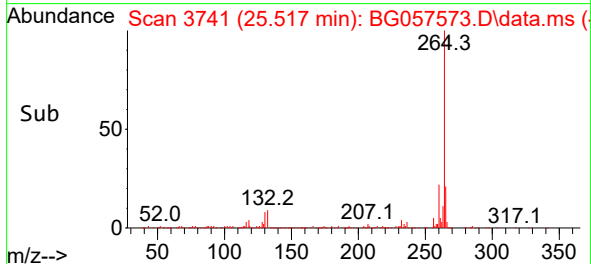
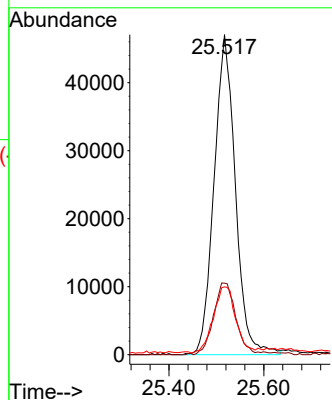
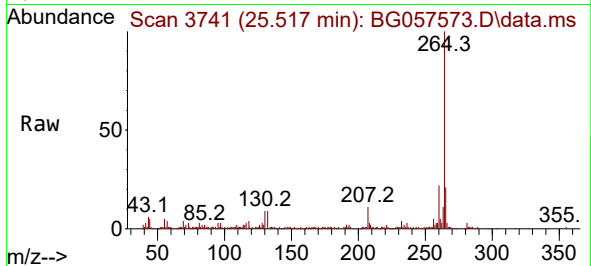




#86
Perylene-d12
Concen: 20.000 ng
RT: 25.517 min Scan# 31
Delta R.T. -0.005 min
Lab File: BG057573.D
Acq: 26 May 2023 1:24

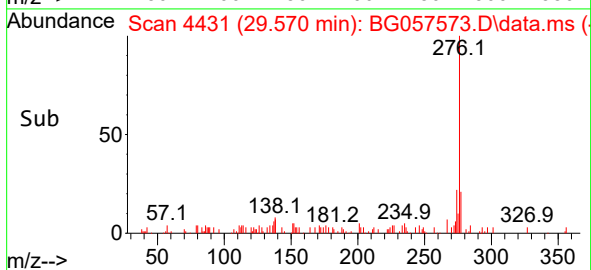
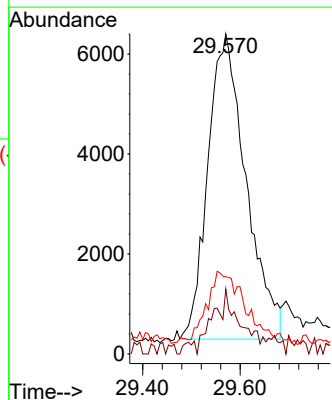
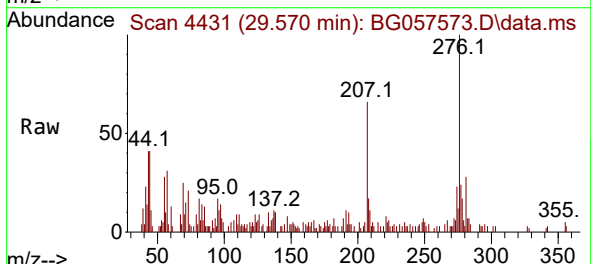
Instrument :
BNA_G
ClientSampleId :
ETGI-346

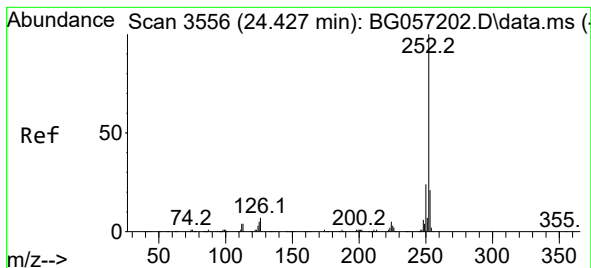
Tgt Ion:264 Resp: 146642
Ion Ratio Lower Upper
264 100
260 22.4 18.8 28.2
265 21.2 17.9 26.9



#87
Indeno(1,2,3-cd)pyrene
Concen: 3.104 ng
RT: 29.570 min Scan# 4431
Delta R.T. -0.011 min
Lab File: BG057573.D
Acq: 26 May 2023 1:24

Tgt Ion:276 Resp: 33172
Ion Ratio Lower Upper
276 100
138 5.7 5.4 8.0
277 0.0 20.6 30.8#





#88

Benzo(b)fluoranthene

Concen: 8.998 ng

RT: 24.395 min Scan# 3

Delta R.T. -0.005 min

Lab File: BG057573.D

Acq: 26 May 2023 1:24

Instrument :

BNA_G

ClientSampleId :

ETGI-346

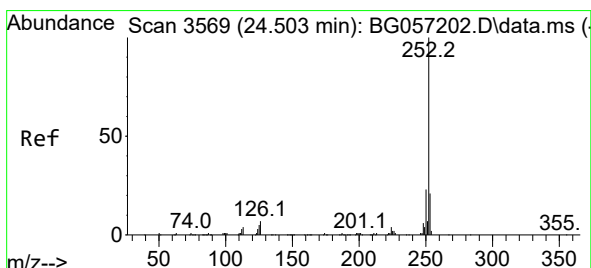
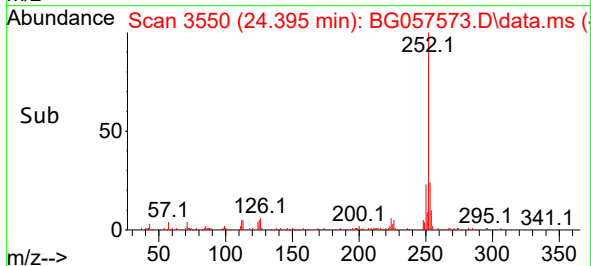
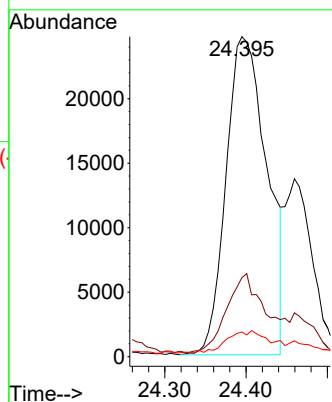
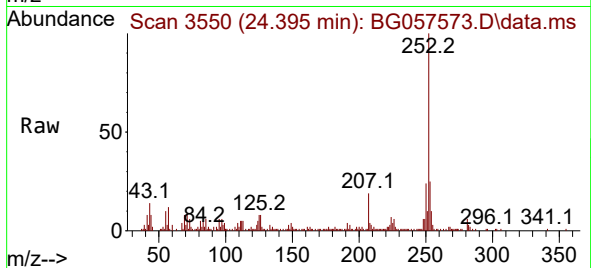
Tgt Ion:252 Resp: 86257

Ion Ratio Lower Upper

252 100

253 24.8 17.0 25.6

125 7.7 4.2 6.2#



#89

Benzo(k)fluoranthene

Concen: 8.855 ng

RT: 24.395 min Scan# 3550

Delta R.T. -0.076 min

Lab File: BG057573.D

Acq: 26 May 2023 1:24

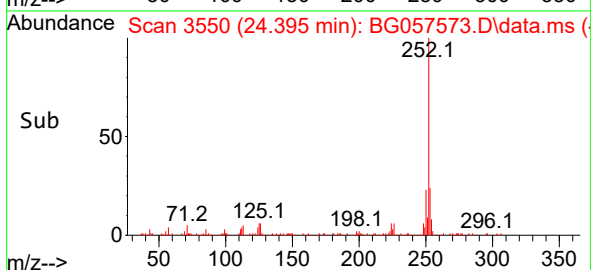
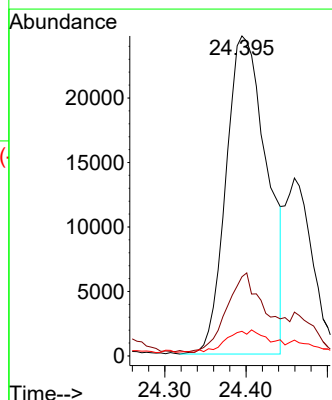
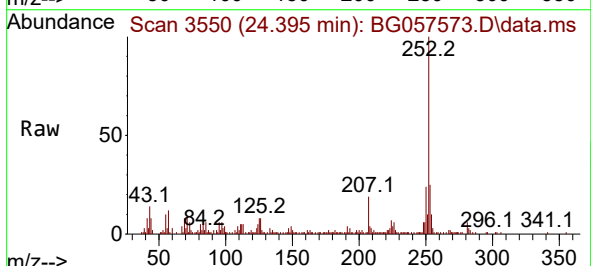
Tgt Ion:252 Resp: 86257

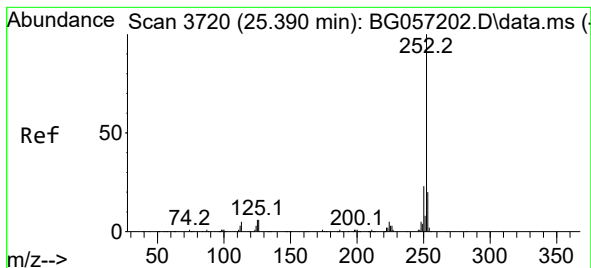
Ion Ratio Lower Upper

252 100

253 24.8 17.4 26.0

125 7.7 4.1 6.1#





#90

Benzo(a)pyrene

Concen: 6.022 ng

RT: 25.347 min Scan# 31

Delta R.T. -0.011 min

Lab File: BG057573.D

Acq: 26 May 2023 1:24

Instrument :

BNA_G

ClientSampleId :

ETGI-346

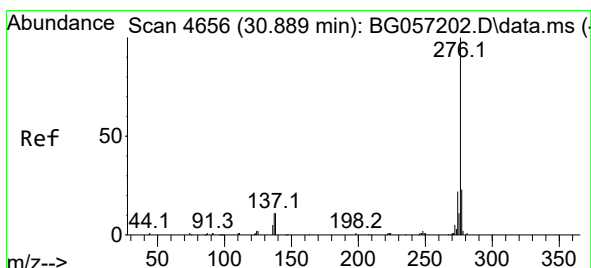
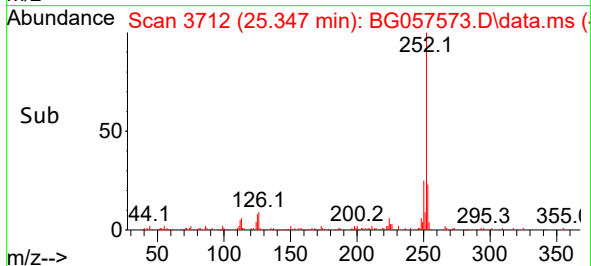
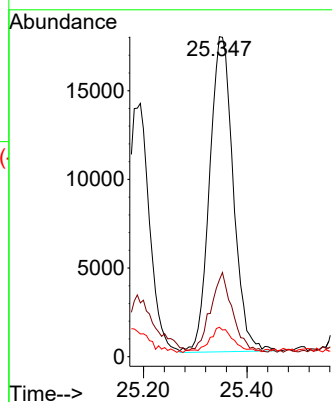
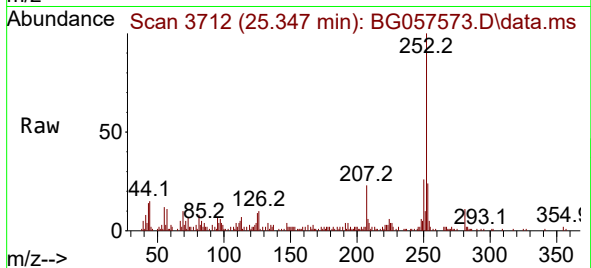
Tgt Ion:252 Resp: 56393

Ion Ratio Lower Upper

252 100

253 24.0 16.3 24.5

125 9.2 5.0 7.4#



#92

Benzo(g,h,i)perylene

Concen: 3.639 ng

RT: 30.833 min Scan# 4646

Delta R.T. -0.023 min

Lab File: BG057573.D

Acq: 26 May 2023 1:24

Tgt Ion:276 Resp: 31624

Ion Ratio Lower Upper

276 100

277 23.9 18.4 27.6

138 13.6 9.0 13.4#

