

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG111822\
 Data File : BG055698.D
 Acq On : 18 Nov 2022 20:16
 Operator : CG/JU
 Sample : N5691-01
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 ETGI-358

Quant Time: Nov 18 23:59:20 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG111622.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Nov 17 02:02:46 2022
 Response via : Initial Calibration

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

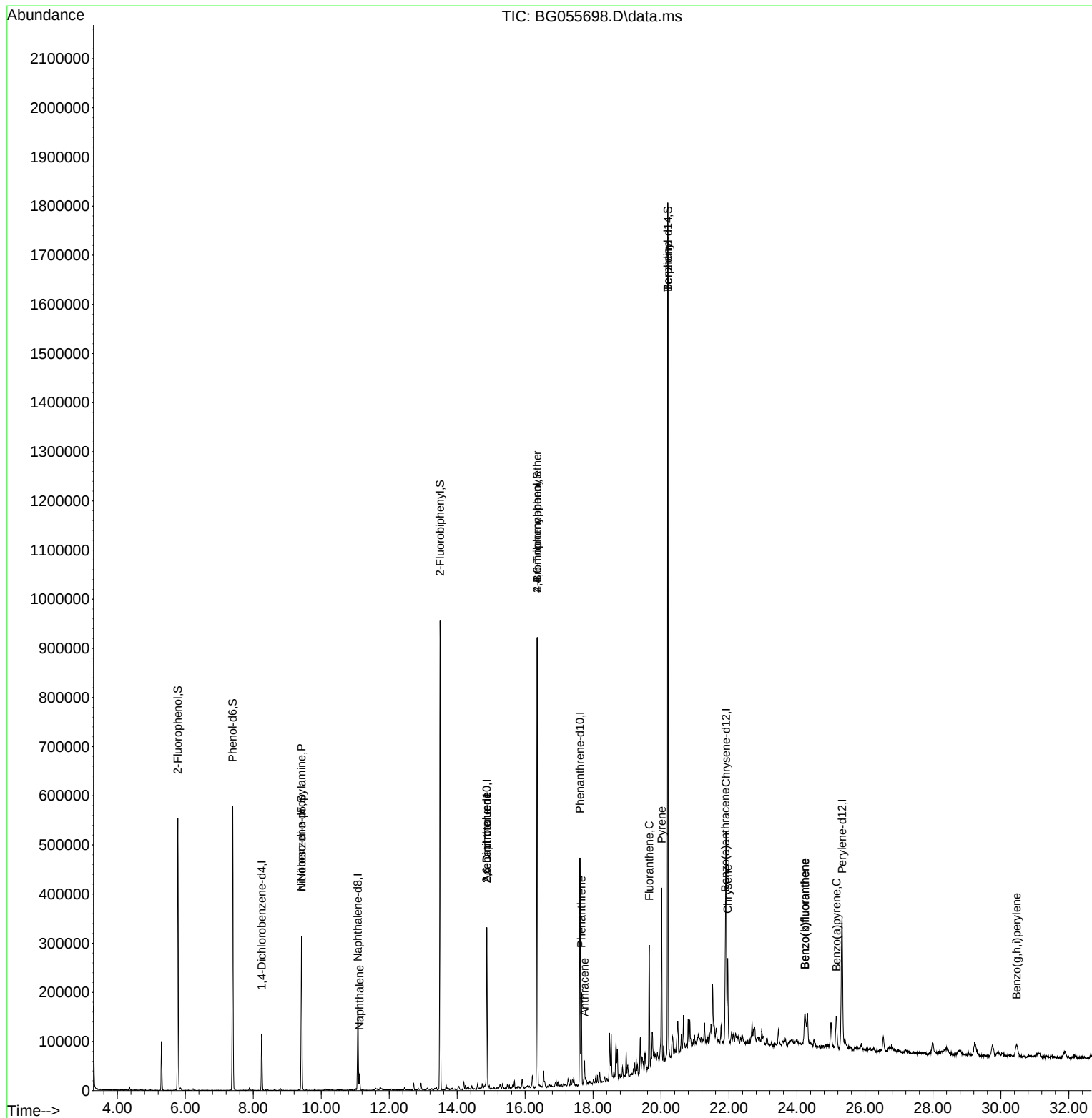
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.247	152	32635	20.000	ng	0.00
21) Naphthalene-d8	11.079	136	148128	20.000	ng	0.00
39) Acenaphthene-d10	14.869	164	120255	20.000	ng	0.00
64) Phenanthrene-d10	17.612	188	288445	20.000	ng	0.00
76) Chrysene-d12	21.907	240	260606	20.000	ng	-0.01
86) Perylene-d12	25.327	264	278599	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.779	112	235448	130.405	ng	0.00
7) Phenol-d6	7.395	99	328900	136.846	ng	0.00
23) Nitrobenzene-d5	9.422	82	188532	67.272	ng	0.00
42) 2,4,6-Tribromophenol	16.355	330	203804	120.356	ng	0.00
45) 2-Fluorobiphenyl	13.494	172	502422	62.591	ng	0.00
79) Terphenyl-d14	20.198	244	860770	66.063	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	9.422	70	25487	13.802	ng	# 75
31) Naphthalene	11.126	128	25247	3.153	ng	98
51) 2,6-Dinitrotoluene	14.869	165	16473	8.404	ng	# 26
57) 2,4-Dinitrotoluene	14.869	165	16473	5.961	ng	# 24
67) 4-Bromophenyl-phenylether	16.355	248	13323	4.054	ng	# 1
71) Phenanthrene	17.654	178	120202	7.722	ng	97
72) Anthracene	17.748	178	32831	2.171	ng	97
75) Fluoranthene	19.651	202	156569	8.268	ng	100
77) Benzidine	20.198	184	13571	2.251	ng	# 87
78) Pyrene	20.016	202	223785	12.686	ng	99
81) Benzo(a)anthracene	21.890	228	97119	5.411	ng	100
83) Chrysene	21.960	228	126888	7.426	ng	99
88) Benzo(b)fluoranthene	24.234	252	92058	5.074	ng	97
89) Benzo(k)fluoranthene	24.234	252	92058	5.090	ng	96
90) Benzo(a)pyrene	25.157	252	77565	4.982	ng	96
92) Benzo(g,h,i)perylene	30.462	276	53039	2.822	ng	98

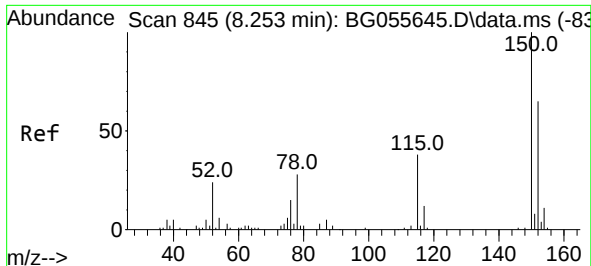
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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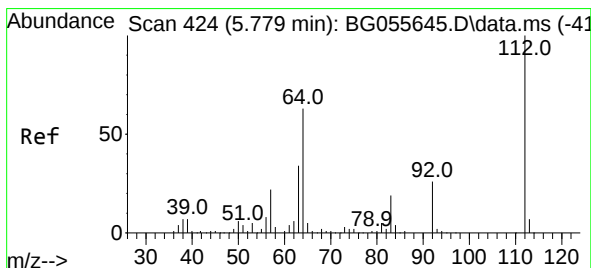
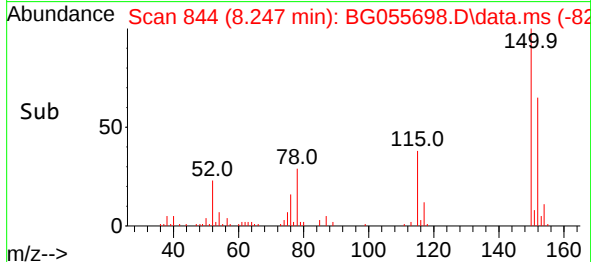
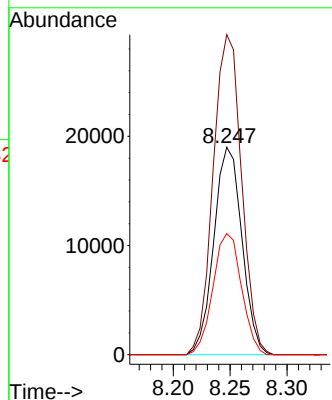
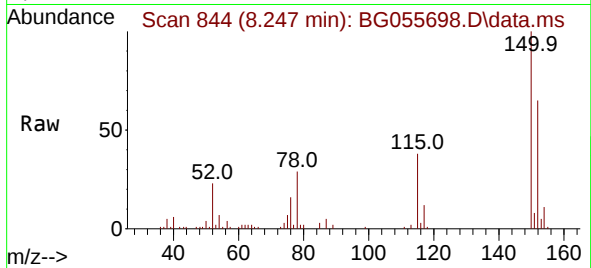




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.247 min Scan# 845
Delta R.T. -0.006 min
Lab File: BG055698.D
Acq: 18 Nov 2022 20:16

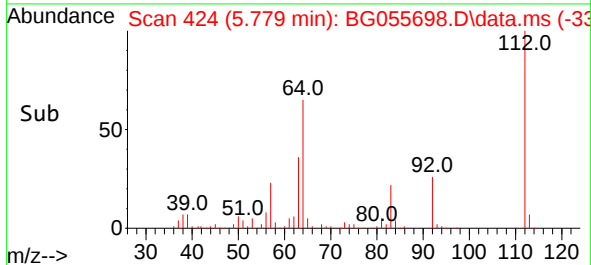
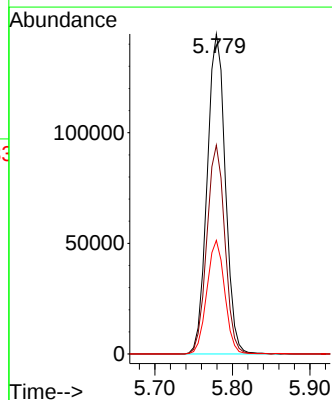
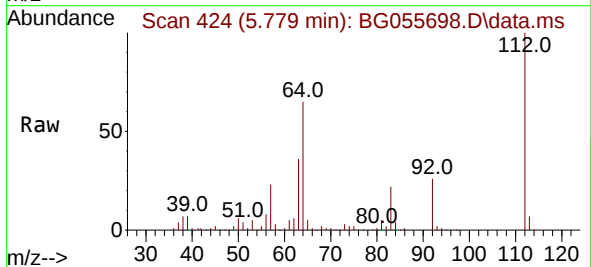
Instrument :
BNA_G
ClientSampleId :
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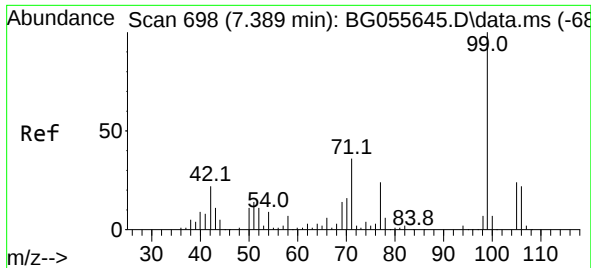
Tgt Ion:152 Resp: 32635
Ion Ratio Lower Upper
152 100
150 154.4 123.0 184.6
115 58.4 47.0 70.4



#5
2-Fluorophenol
Concen: 130.405 ng
RT: 5.779 min Scan# 424
Delta R.T. 0.000 min
Lab File: BG055698.D
Acq: 18 Nov 2022 20:16

Tgt Ion:112 Resp: 235448
Ion Ratio Lower Upper
112 100
64 65.2 50.6 76.0
63 35.5 27.5 41.3

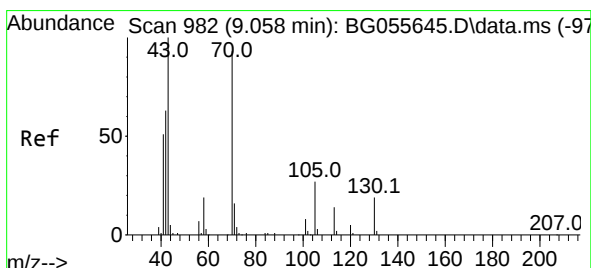
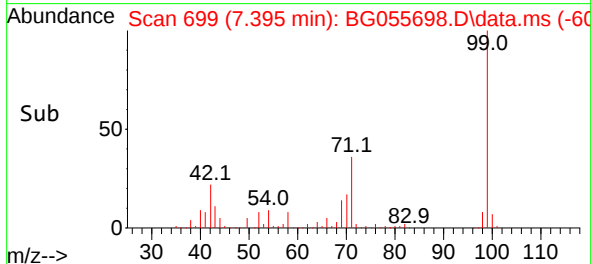
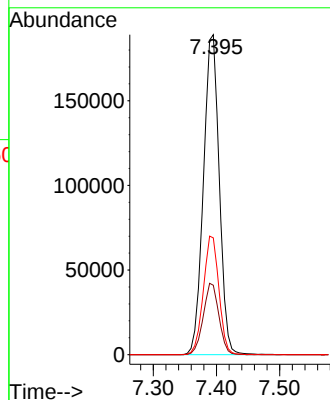
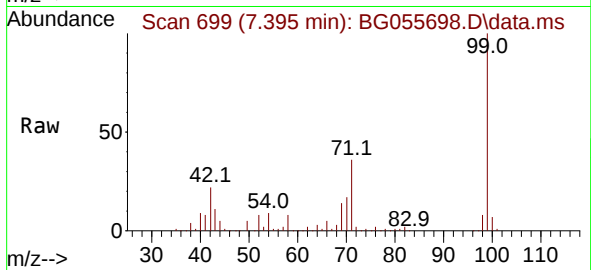




#7
Phenol-d6
Concen: 136.846 ng
RT: 7.395 min Scan# 61
Delta R.T. 0.006 min
Lab File: BG055698.D
Acq: 18 Nov 2022 20:16

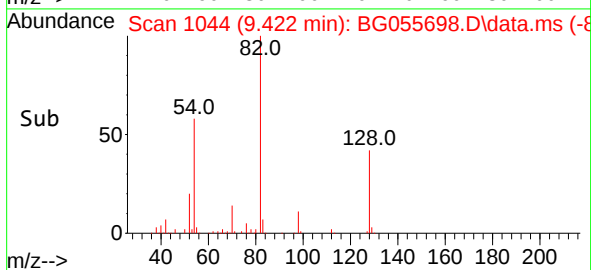
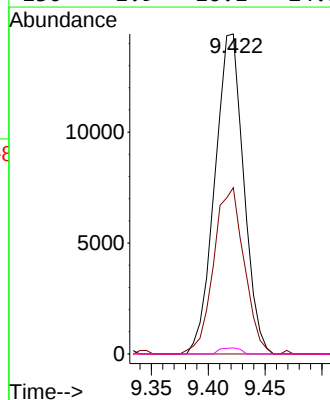
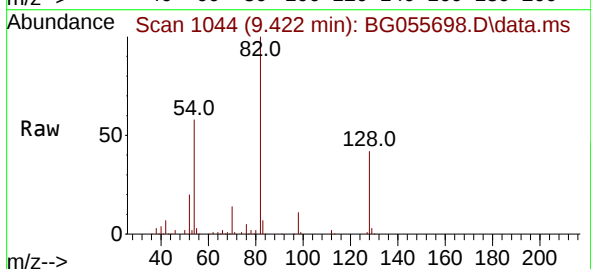
Instrument :
BNA_G
ClientSampleId :
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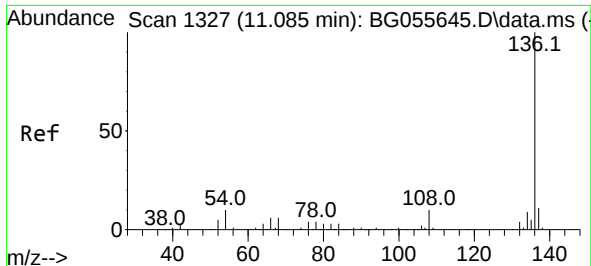
Tgt Ion: 99 Resp: 328900
Ion Ratio Lower Upper
99 100
42 21.7 18.0 27.0
71 36.5 29.0 43.6



#19
n-Nitroso-di-n-propylamine
Concen: 13.802 ng
RT: 9.422 min Scan# 1044
Delta R.T. 0.364 min
Lab File: BG055698.D
Acq: 18 Nov 2022 20:16

Tgt Ion: 70 Resp: 25487
Ion Ratio Lower Upper
70 100
42 51.9 55.2 82.8#
101 0.0 7.1 10.7#
130 1.9 16.1 24.1#

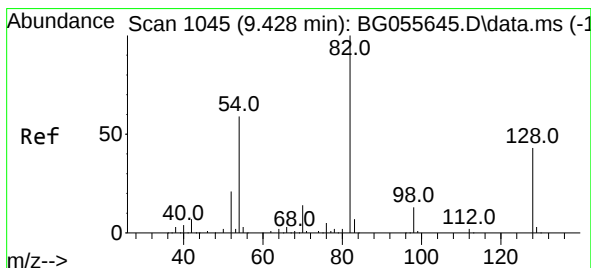
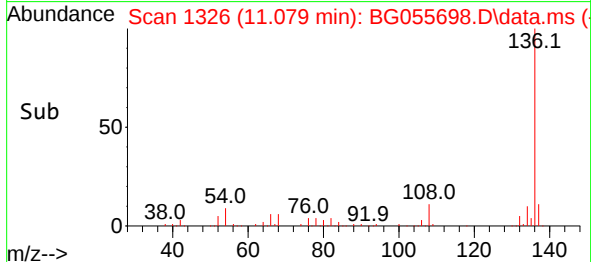
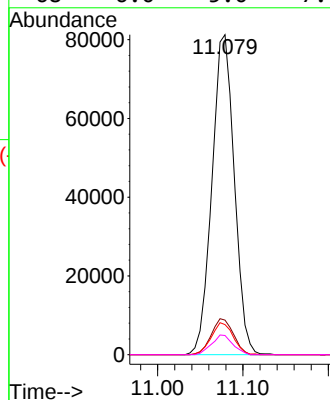
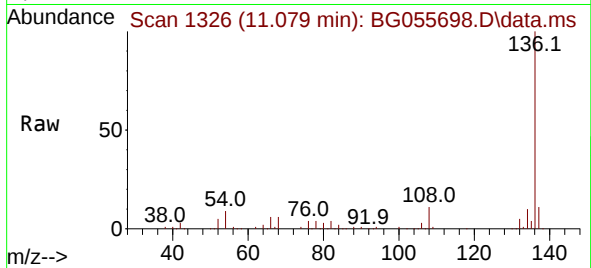




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.079 min Scan# 11
Delta R.T. -0.006 min
Lab File: BG055698.D
Acq: 18 Nov 2022 20:16

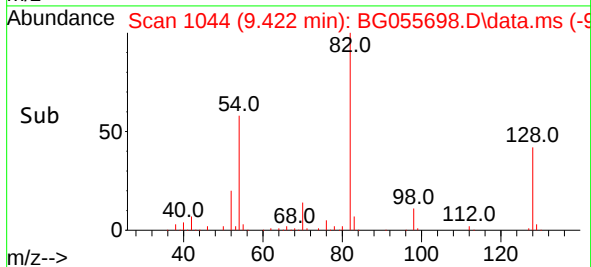
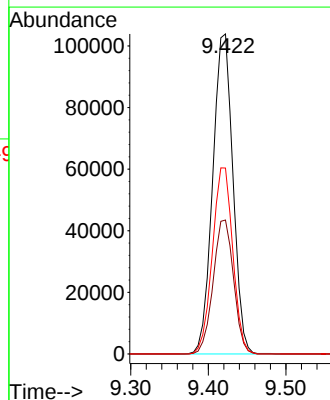
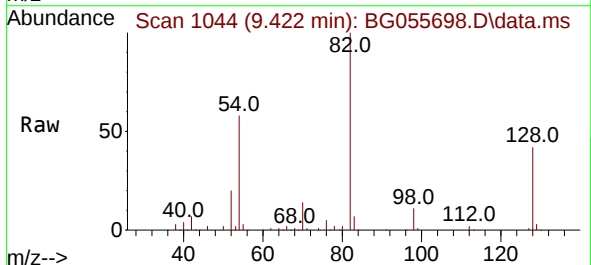
Instrument :
BNA_G
ClientSampleId :
ETGI-358

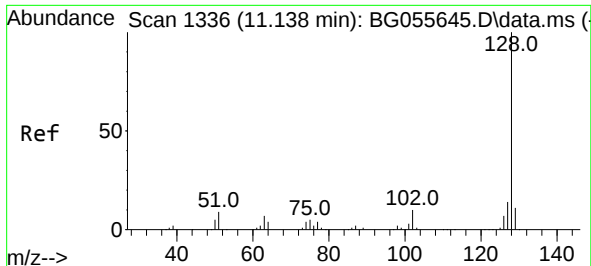
Tgt Ion:	136	Resp:	148128
Ion Ratio	Lower	Upper	
136	100		
137	10.8	9.0	13.6
54	9.4	7.8	11.6
68	6.0	5.0	7.4



#23
Nitrobenzene-d5
Concen: 67.272 ng
RT: 9.422 min Scan# 1044
Delta R.T. -0.006 min
Lab File: BG055698.D
Acq: 18 Nov 2022 20:16

Tgt Ion:	82	Resp:	188532
Ion Ratio	Lower	Upper	
82	100		
128	41.8	34.1	51.1
54	58.1	47.3	70.9

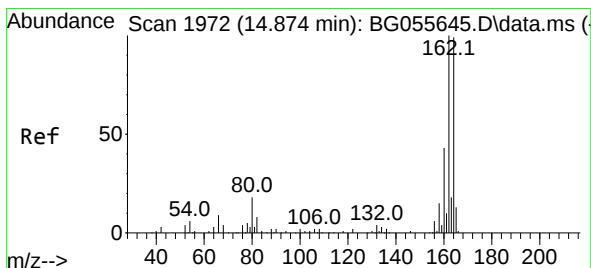
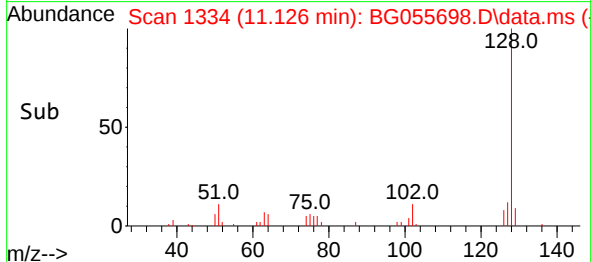
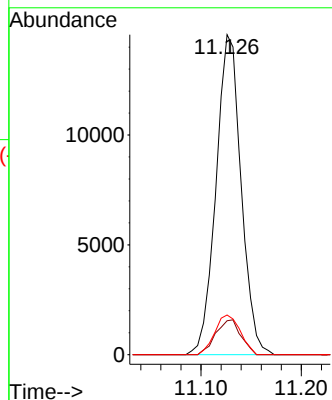
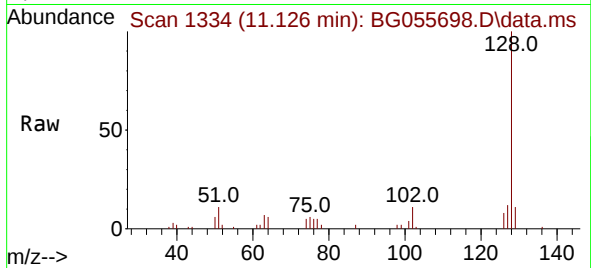




#31
Naphthalene
Concen: 3.153 ng
RT: 11.126 min Scan# 11
Delta R.T. -0.012 min
Lab File: BG055698.D
Acq: 18 Nov 2022 20:16

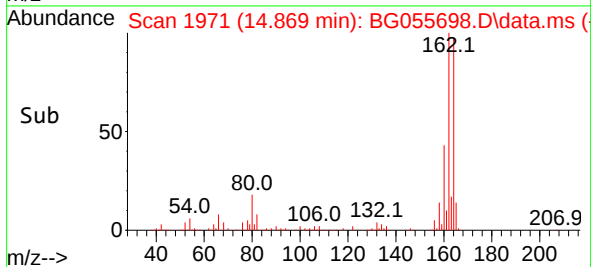
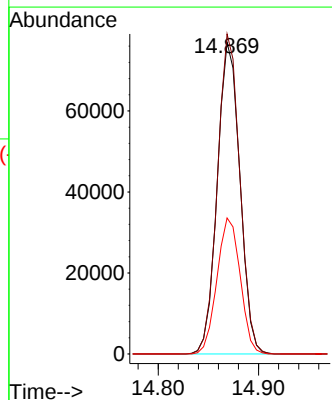
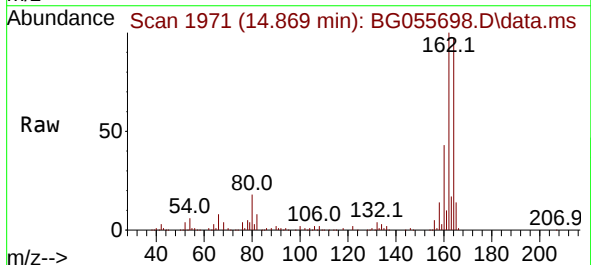
Instrument :
BNA_G
ClientSampleId :
ETGI-358

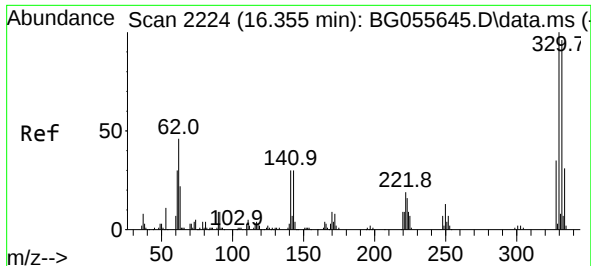
Tgt Ion:128 Resp: 25247
Ion Ratio Lower Upper
128 100
129 10.6 8.7 13.1
127 12.4 10.9 16.3



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.869 min Scan# 1971
Delta R.T. -0.006 min
Lab File: BG055698.D
Acq: 18 Nov 2022 20:16

Tgt Ion:164 Resp: 120255
Ion Ratio Lower Upper
164 100
162 102.7 81.1 121.7
160 43.7 34.8 52.2

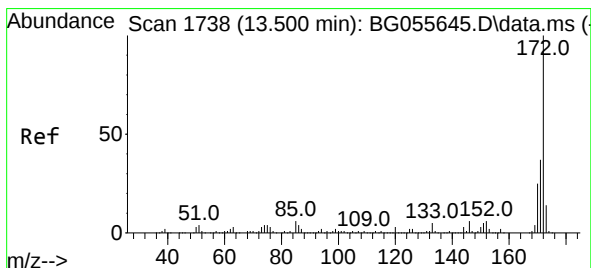
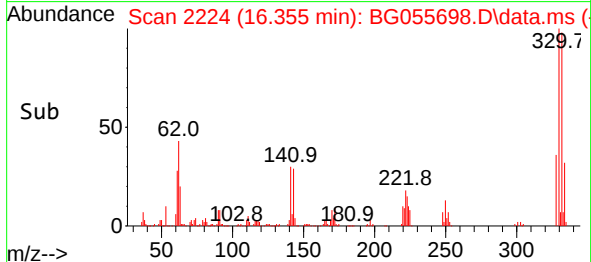
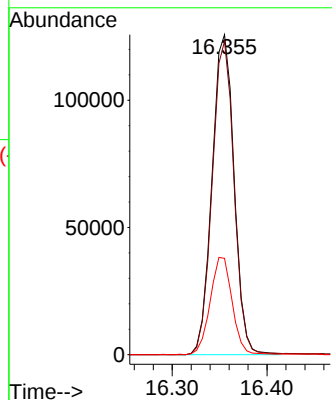
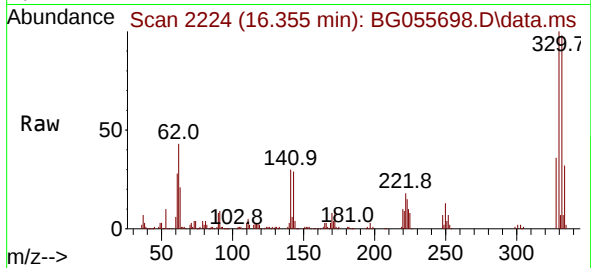




#42
2,4,6-Tribromophenol
Concen: 120.356 ng
RT: 16.355 min Scan# 21
Delta R.T. 0.000 min
Lab File: BG055698.D
Acq: 18 Nov 2022 20:16

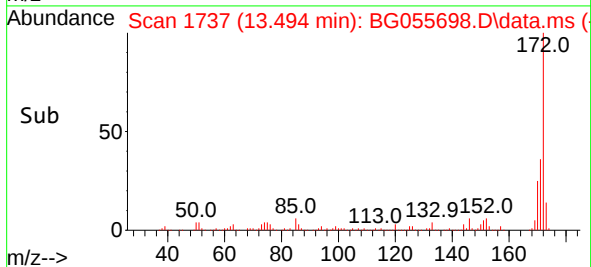
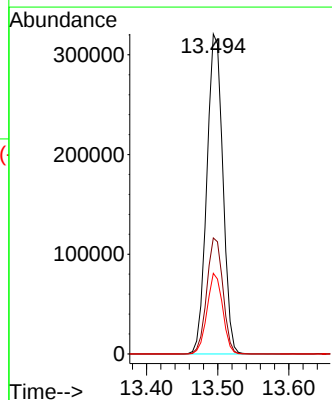
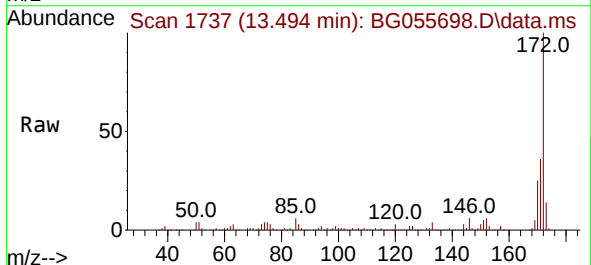
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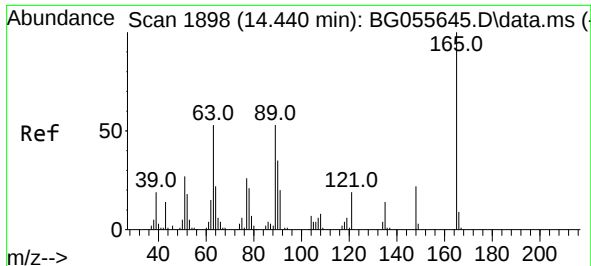
Tgt Ion:330 Resp: 203804
Ion Ratio Lower Upper
330 100
332 96.8 77.8 116.8
141 30.4 23.9 35.9



#45
2-Fluorobiphenyl
Concen: 62.591 ng
RT: 13.494 min Scan# 1737
Delta R.T. -0.006 min
Lab File: BG055698.D
Acq: 18 Nov 2022 20:16

Tgt Ion:172 Resp: 502422
Ion Ratio Lower Upper
172 100
171 36.3 29.8 44.6
170 25.2 20.2 30.4

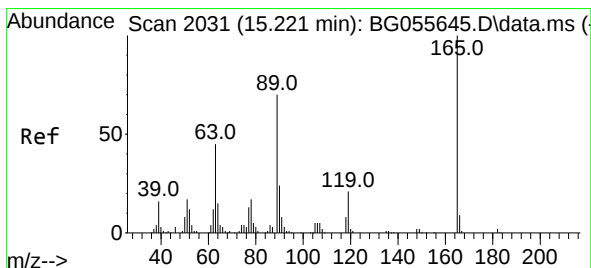
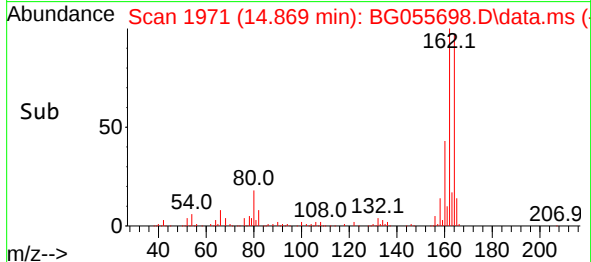
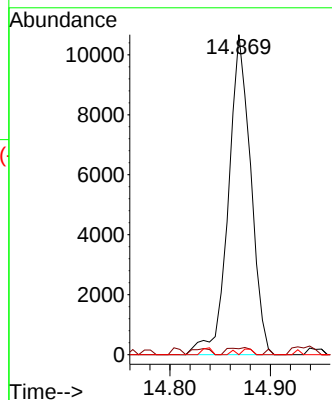
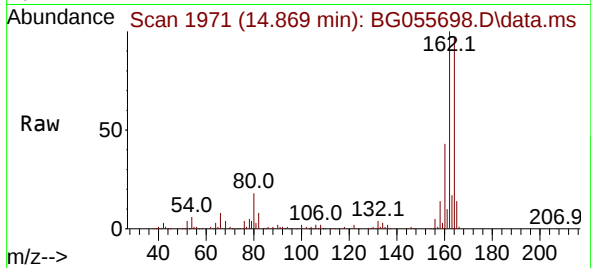




#51
2,6-Dinitrotoluene
Concen: 8.404 ng
RT: 14.869 min Scan# 1971
Delta R.T. 0.429 min
Lab File: BG055698.D
Acq: 18 Nov 2022 20:16

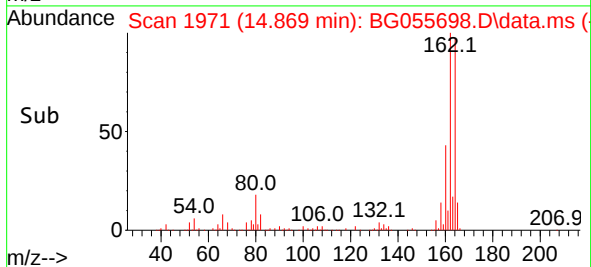
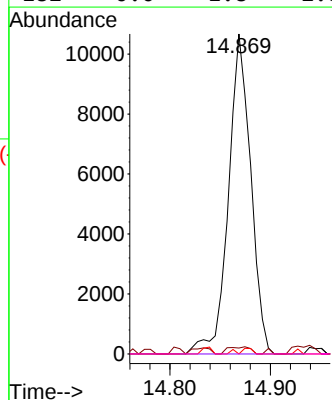
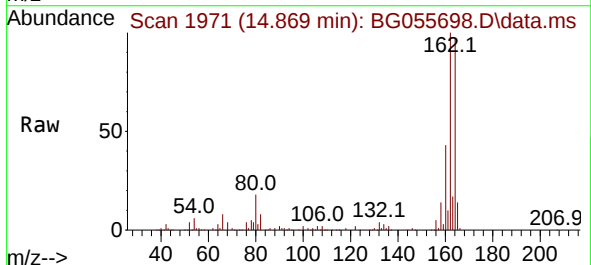
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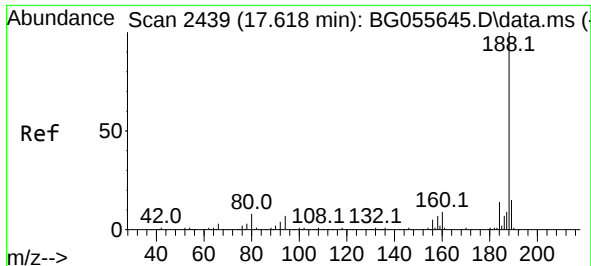
Tgt Ion:165 Resp: 16473
Ion Ratio Lower Upper
165 100
63 1.9 44.6 66.8#
89 0.0 42.2 63.4#



#57
2,4-Dinitrotoluene
Concen: 5.961 ng
RT: 14.869 min Scan# 1971
Delta R.T. -0.352 min
Lab File: BG055698.D
Acq: 18 Nov 2022 20:16

Tgt Ion:165 Resp: 16473
Ion Ratio Lower Upper
165 100
63 1.9 35.8 53.8#
89 0.0 56.2 84.4#
182 0.0 1.8 2.8#

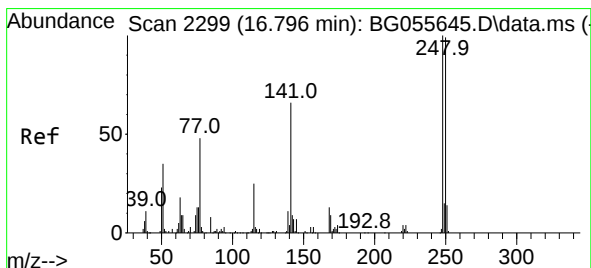
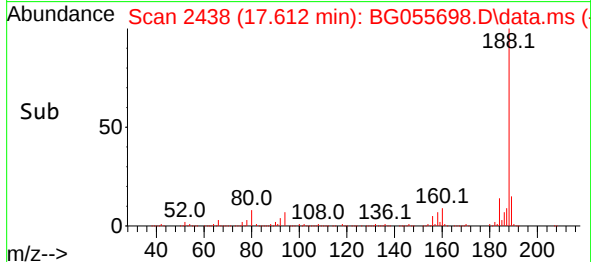
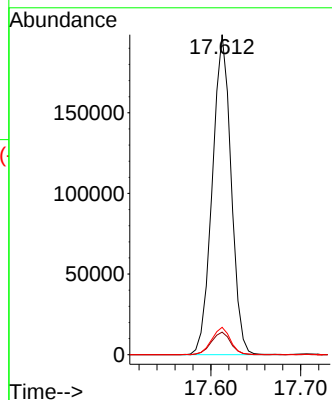
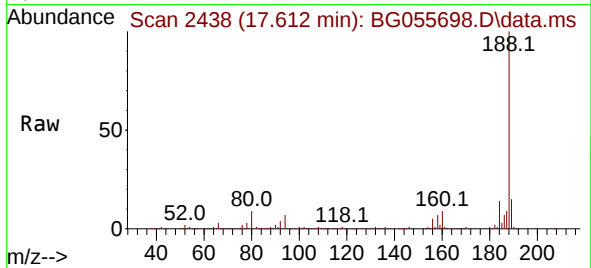




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.612 min Scan# 2439
Delta R.T. -0.006 min
Lab File: BG055698.D
Acq: 18 Nov 2022 20:16

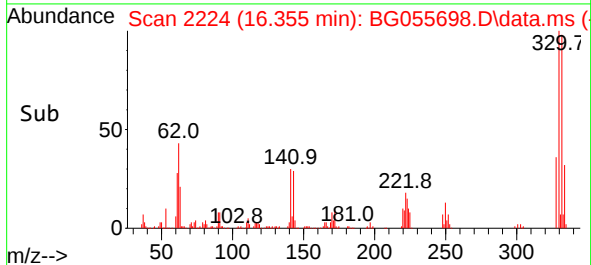
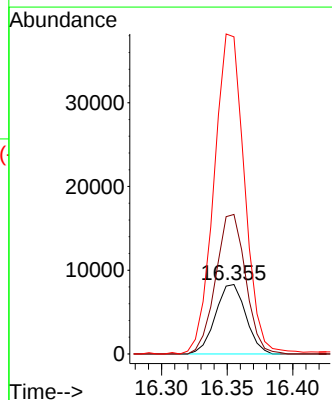
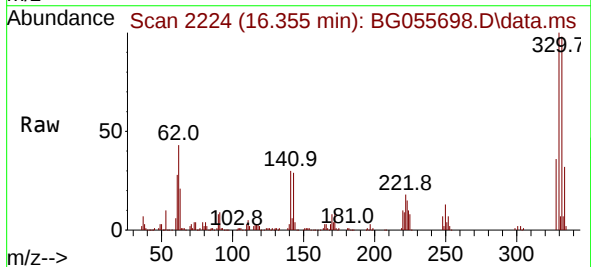
Instrument :
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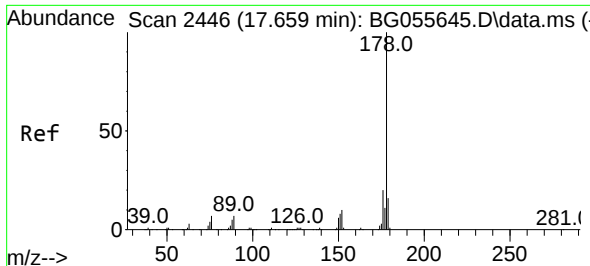
Tgt Ion:188 Resp: 288445
Ion Ratio Lower Upper
188 100
94 7.1 5.4 8.2
80 8.6 6.6 10.0



#67
4-Bromophenyl-phenylether
Concen: 4.054 ng
RT: 16.355 min Scan# 2224
Delta R.T. -0.441 min
Lab File: BG055698.D
Acq: 18 Nov 2022 20:16

Tgt Ion:248 Resp: 13323
Ion Ratio Lower Upper
248 100
250 201.1 79.0 118.4#
141 457.0 52.9 79.3#

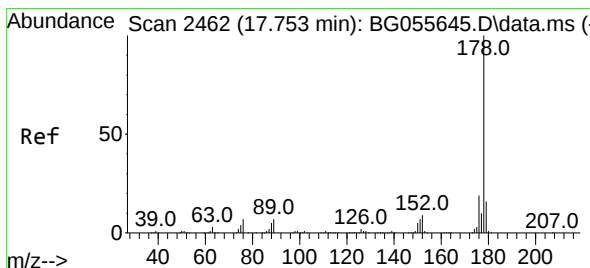
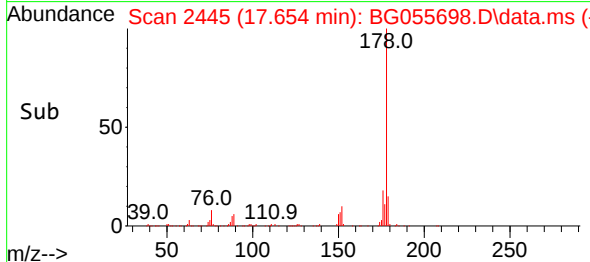
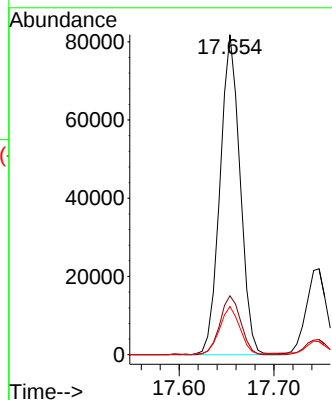
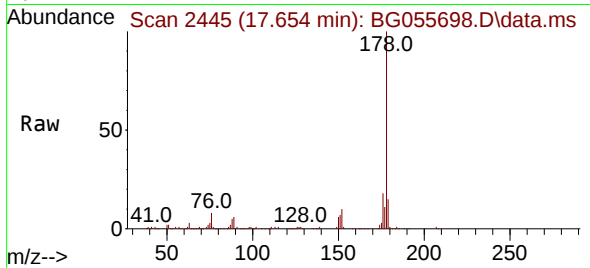




#71
Phenanthrene
Concen: 7.722 ng
RT: 17.654 min Scan# 2446
Delta R.T. -0.006 min
Lab File: BG055698.D
Acq: 18 Nov 2022 20:16

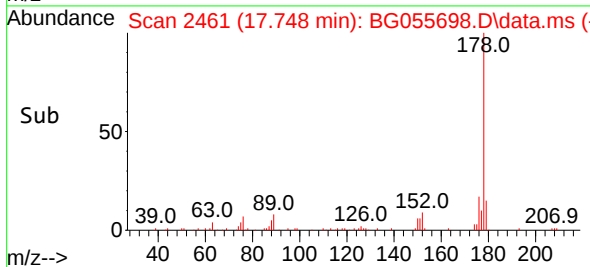
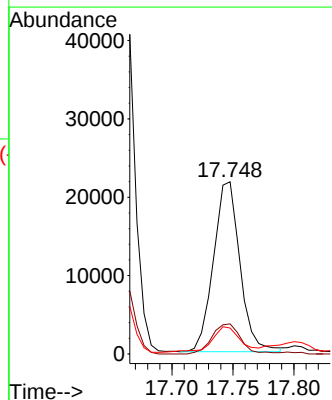
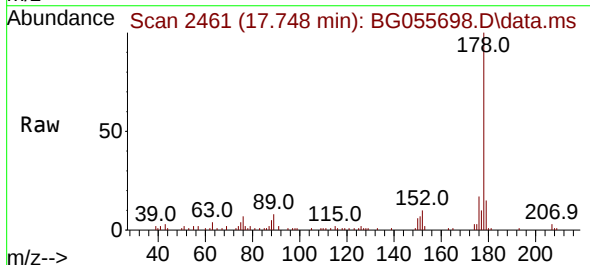
Instrument :
BNA_G
ClientSampleId :
ETGI-358

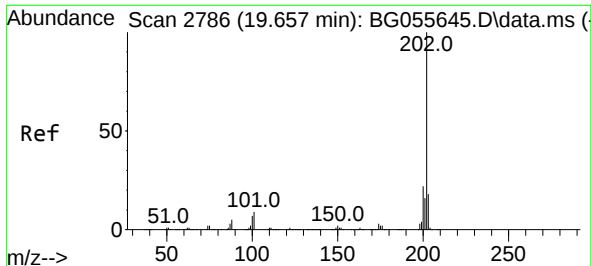
Tgt Ion:178 Resp: 120202
Ion Ratio Lower Upper
178 100
176 18.4 16.0 24.0
179 15.0 12.7 19.1



#72
Anthracene
Concen: 2.171 ng
RT: 17.748 min Scan# 2461
Delta R.T. -0.006 min
Lab File: BG055698.D
Acq: 18 Nov 2022 20:16

Tgt Ion:178 Resp: 32831
Ion Ratio Lower Upper
178 100
176 17.5 15.5 23.3
179 15.1 12.5 18.7

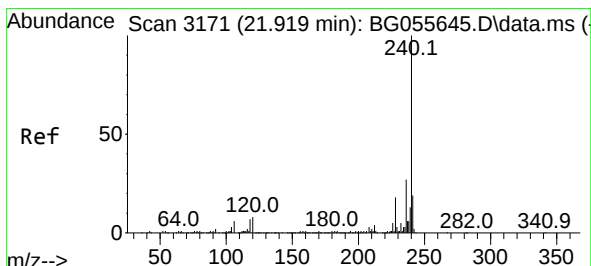
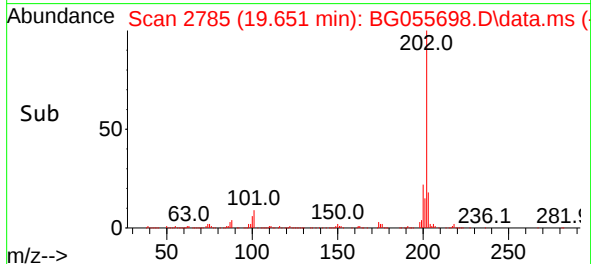
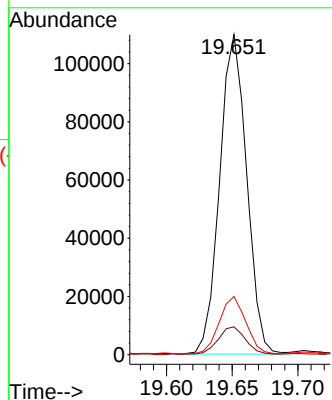
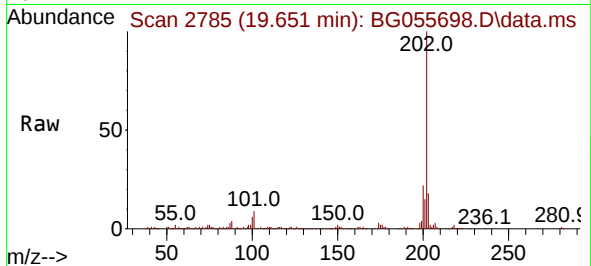




#75
Fluoranthene
Concen: 8.268 ng
RT: 19.651 min Scan# 21
Delta R.T. -0.006 min
Lab File: BG055698.D
Acq: 18 Nov 2022 20:16

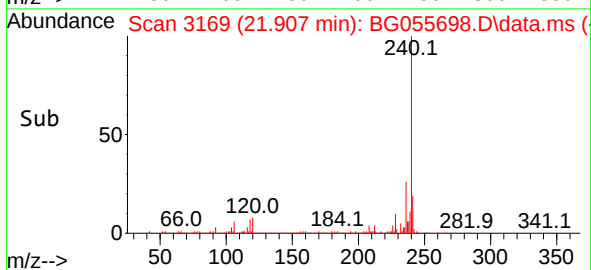
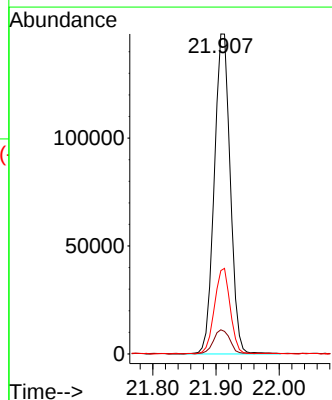
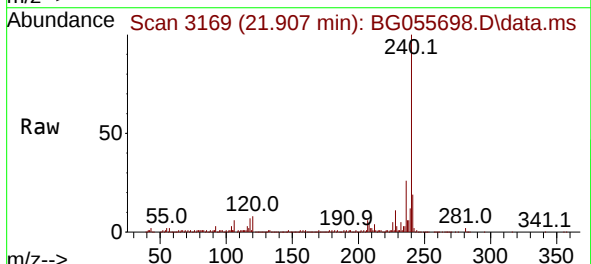
Instrument :
BNA_G
ClientSampleId :
ETGI-358

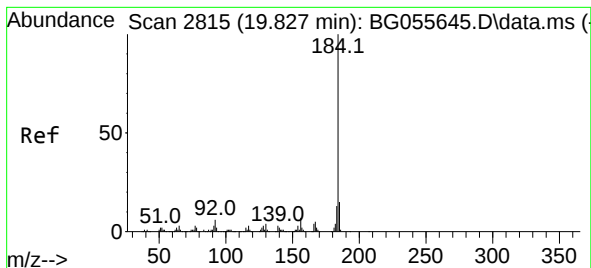
Tgt Ion:202 Resp: 156569
Ion Ratio Lower Upper
202 100
101 8.7 0.0 28.8
203 18.2 0.0 38.1



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.907 min Scan# 3169
Delta R.T. -0.012 min
Lab File: BG055698.D
Acq: 18 Nov 2022 20:16

Tgt Ion:240 Resp: 260606
Ion Ratio Lower Upper
240 100
120 7.5 6.3 9.5
236 26.1 21.9 32.9





#77

Benzidine

Concen: 2.251 ng

RT: 20.198 min Scan# 2815

Delta R.T. 0.370 min

Lab File: BG055698.D

Acq: 18 Nov 2022 20:16

Instrument :

BNA_G

ClientSampleId :

ETGI-358

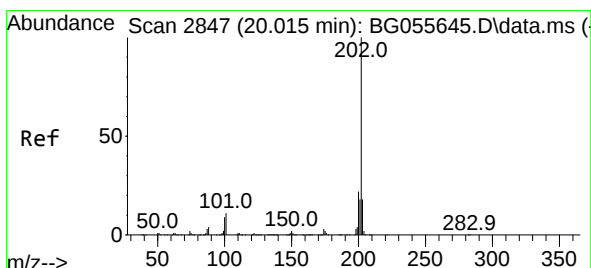
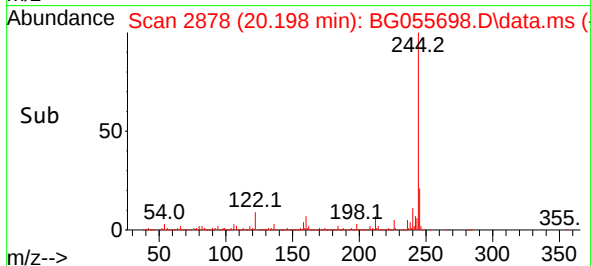
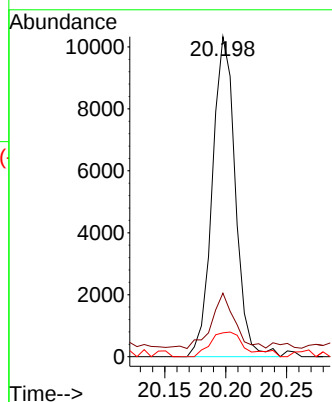
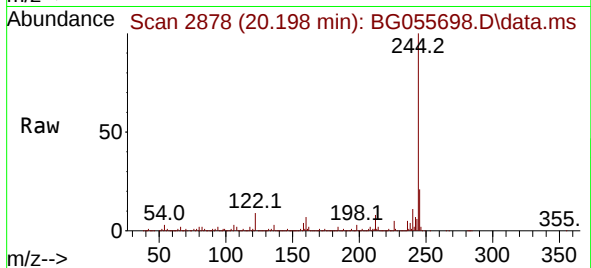
Tgt Ion:184 Resp: 13571

Ion Ratio Lower Upper

184 100

185 19.9 11.8 17.8#

183 7.5 10.6 15.8#



#78

Pyrene

Concen: 12.686 ng

RT: 20.016 min Scan# 2847

Delta R.T. 0.000 min

Lab File: BG055698.D

Acq: 18 Nov 2022 20:16

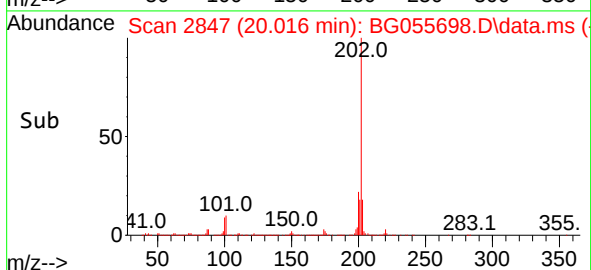
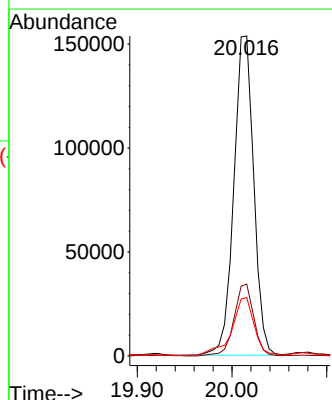
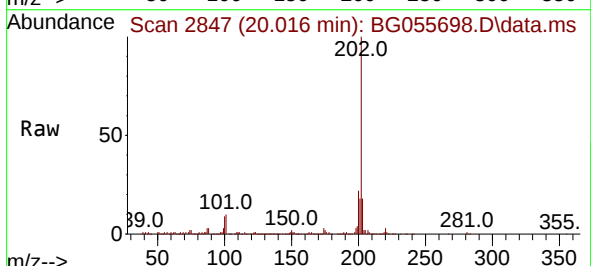
Tgt Ion:202 Resp: 223785

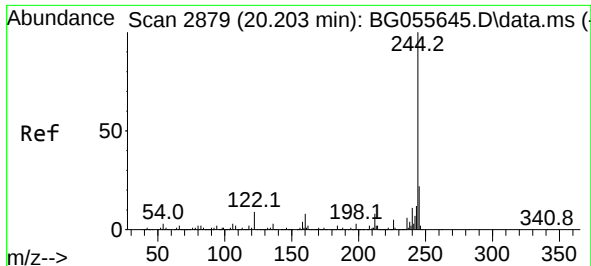
Ion Ratio Lower Upper

202 100

200 22.5 17.8 26.6

203 18.2 14.4 21.6

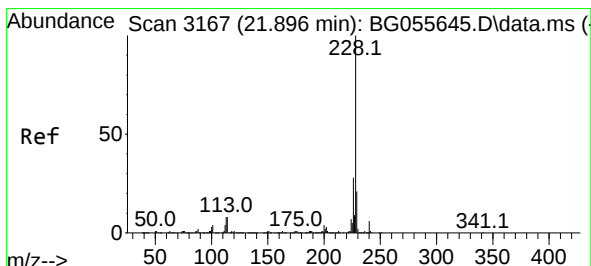
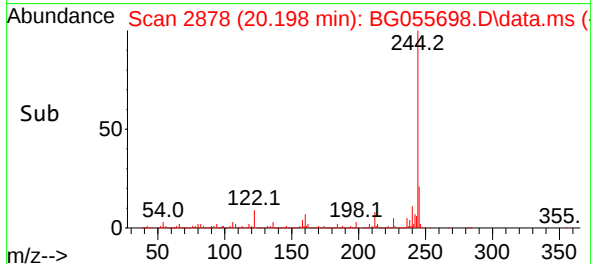
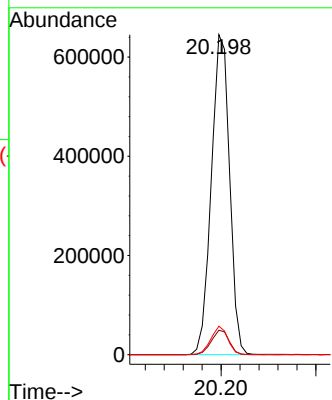
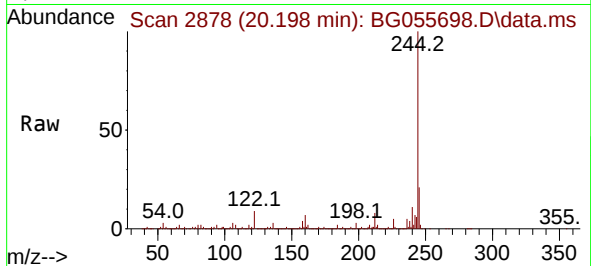




#79
 Terphenyl-d14
 Concen: 66.063 ng
 RT: 20.198 min Scan# 21
 Delta R.T. -0.006 min
 Lab File: BG055698.D
 Acq: 18 Nov 2022 20:16

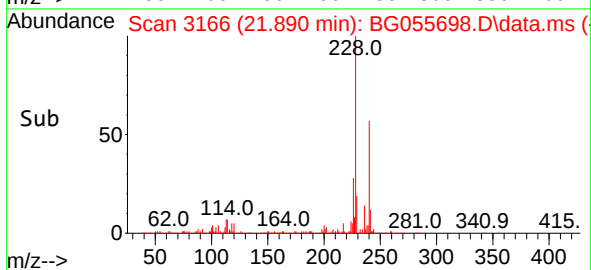
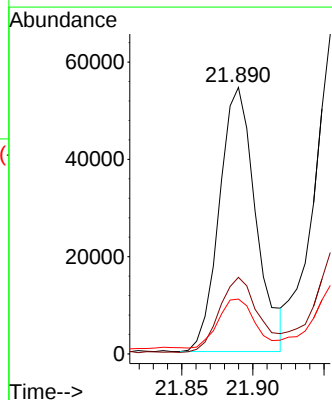
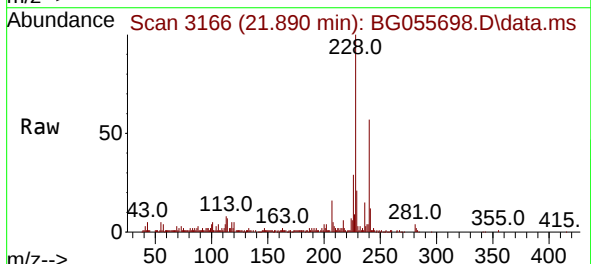
Instrument :
 BNA_G
 ClientSampleId :
 ETGI-358

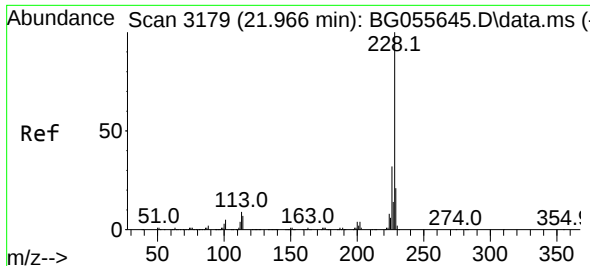
Tgt Ion:244 Resp: 860770
 Ion Ratio Lower Upper
 244 100
 212 7.6 6.3 9.5
 122 8.9 6.9 10.3



#81
 Benzo(a)anthracene
 Concen: 5.411 ng
 RT: 21.890 min Scan# 3166
 Delta R.T. -0.006 min
 Lab File: BG055698.D
 Acq: 18 Nov 2022 20:16

Tgt Ion:228 Resp: 97119
 Ion Ratio Lower Upper
 228 100
 226 28.8 22.7 34.1
 229 20.6 16.5 24.7

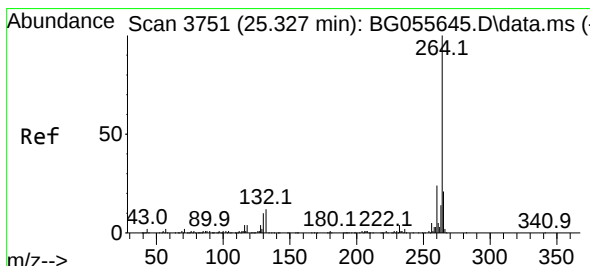
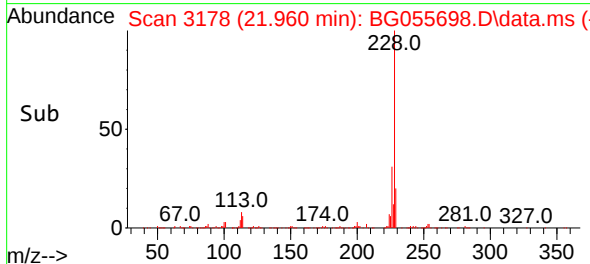
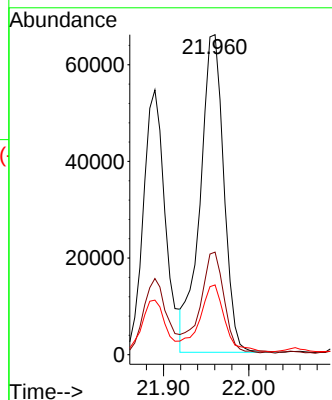
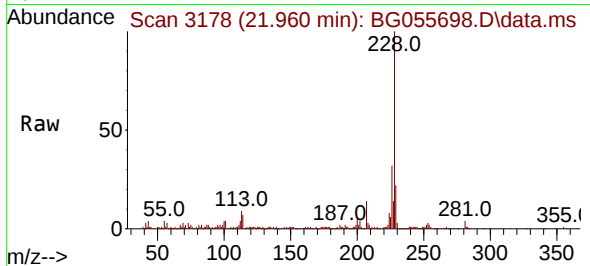




#83
Chrysene
Concen: 7.426 ng
RT: 21.960 min Scan# 3179
Delta R.T. -0.006 min
Lab File: BG055698.D
Acq: 18 Nov 2022 20:16

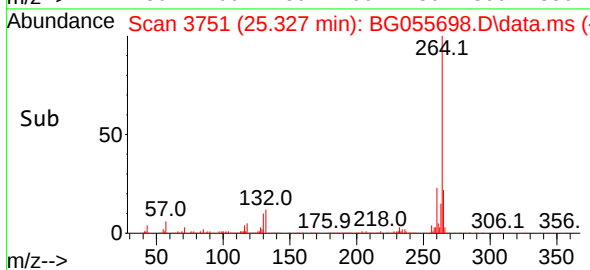
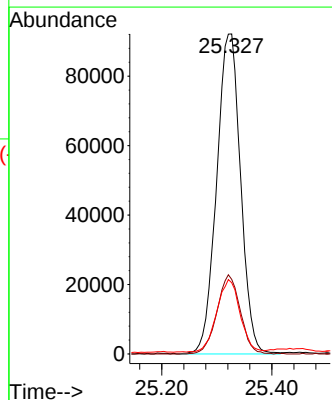
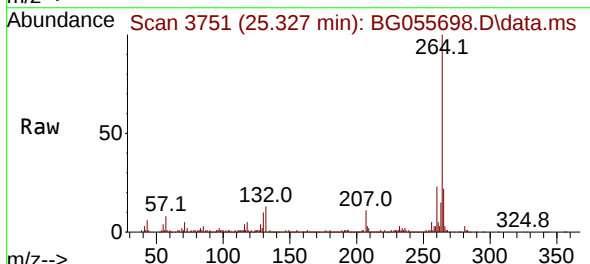
Instrument :
BNA_G
ClientSampleId :
ETGI-358

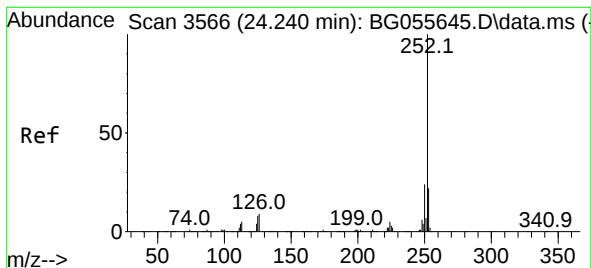
Tgt Ion:228 Resp: 126888
Ion Ratio Lower Upper
228 100
226 32.0 25.4 38.2
229 21.8 17.1 25.7



#86
Perylene-d12
Concen: 20.000 ng
RT: 25.327 min Scan# 3751
Delta R.T. 0.000 min
Lab File: BG055698.D
Acq: 18 Nov 2022 20:16

Tgt Ion:264 Resp: 278599
Ion Ratio Lower Upper
264 100
260 23.3 19.5 29.3
265 22.2 17.1 25.7





#88

Benzo(b)fluoranthene

Concen: 5.074 ng

RT: 24.234 min Scan# 3565

Delta R.T. -0.006 min

Lab File: BG055698.D

Acq: 18 Nov 2022 20:16

Instrument :

BNA_G

ClientSampleId :

ETGI-358

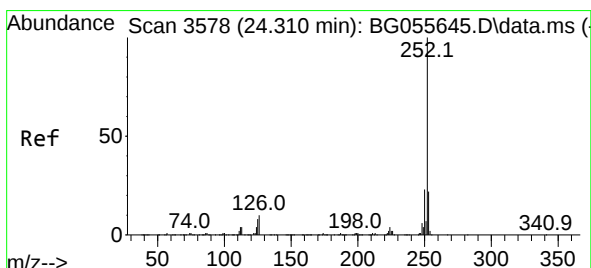
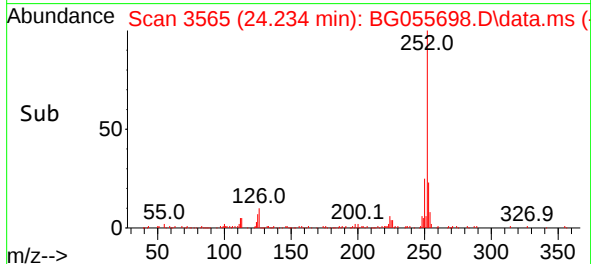
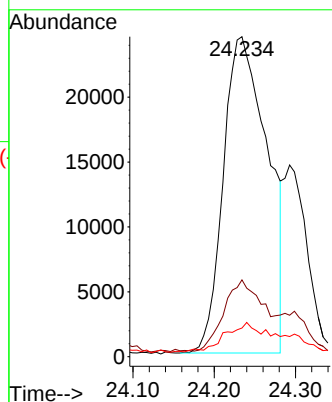
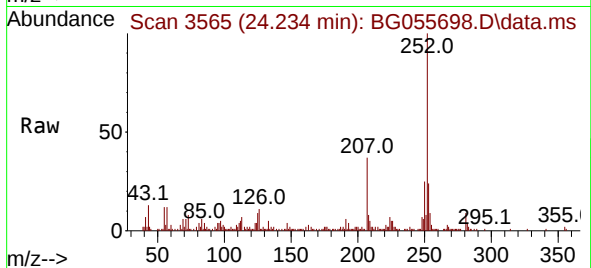
Tgt Ion:252 Resp: 92058

Ion Ratio Lower Upper

252 100

253 24.0 18.0 27.0

125 8.9 6.2 9.2



#89

Benzo(k)fluoranthene

Concen: 5.090 ng

RT: 24.234 min Scan# 3565

Delta R.T. -0.076 min

Lab File: BG055698.D

Acq: 18 Nov 2022 20:16

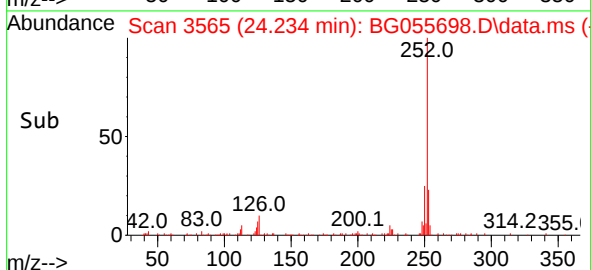
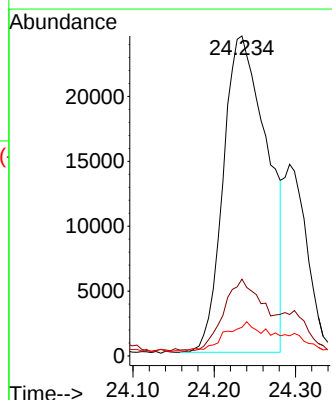
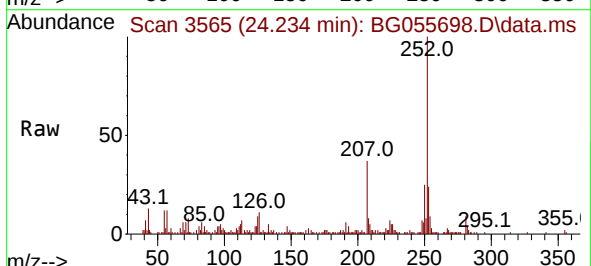
Tgt Ion:252 Resp: 92058

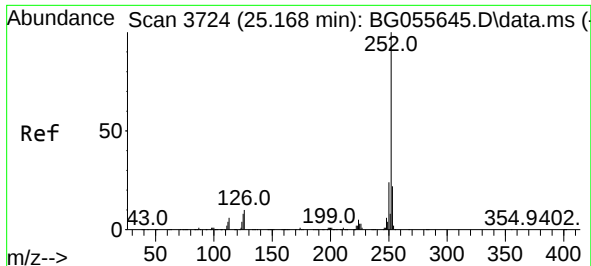
Ion Ratio Lower Upper

252 100

253 24.0 17.8 26.6

125 8.9 6.1 9.1

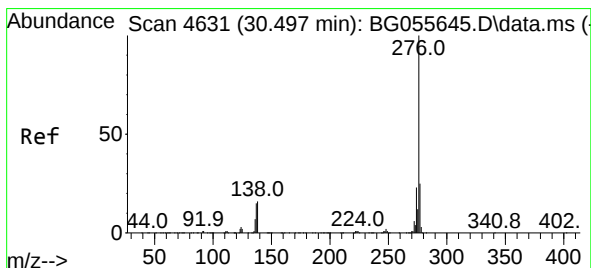
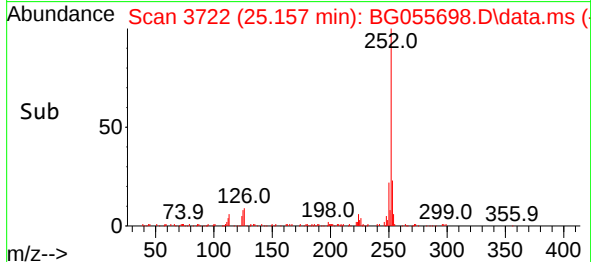
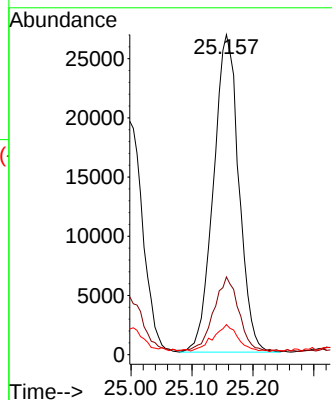
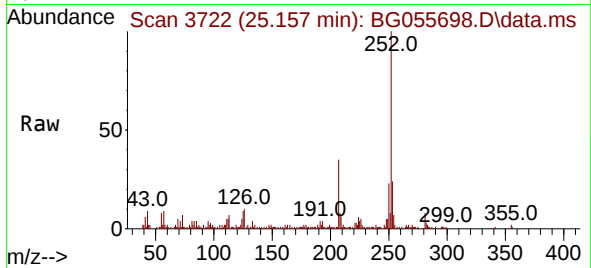




#90
Benzo(a)pyrene
Concen: 4.982 ng
RT: 25.157 min Scan# 31
Delta R.T. -0.012 min
Lab File: BG055698.D
Acq: 18 Nov 2022 20:16

Instrument :
BNA_G
ClientSampleId :
ETGI-358

Tgt Ion:252 Resp: 77565
Ion Ratio Lower Upper
252 100
253 24.3 17.8 26.6
125 9.4 6.4 9.6



#92
Benzo(g,h,i)perylene
Concen: 2.822 ng
RT: 30.462 min Scan# 4625
Delta R.T. -0.035 min
Lab File: BG055698.D
Acq: 18 Nov 2022 20:16

Tgt Ion:276 Resp: 53039
Ion Ratio Lower Upper
276 100
277 23.9 19.8 29.6
138 17.9 13.1 19.7

