

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG062023\
 Data File : BG057780.D
 Acq On : 20 Jun 2023 17:37
 Operator : CG/JU
 Sample : 03256-01 2X
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 COMPOSIT-TP6-01-1-5

Quant Time: Jun 21 01:04:46 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG061923.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jun 20 03:40:38 2023
 Response via : Initial Calibration

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

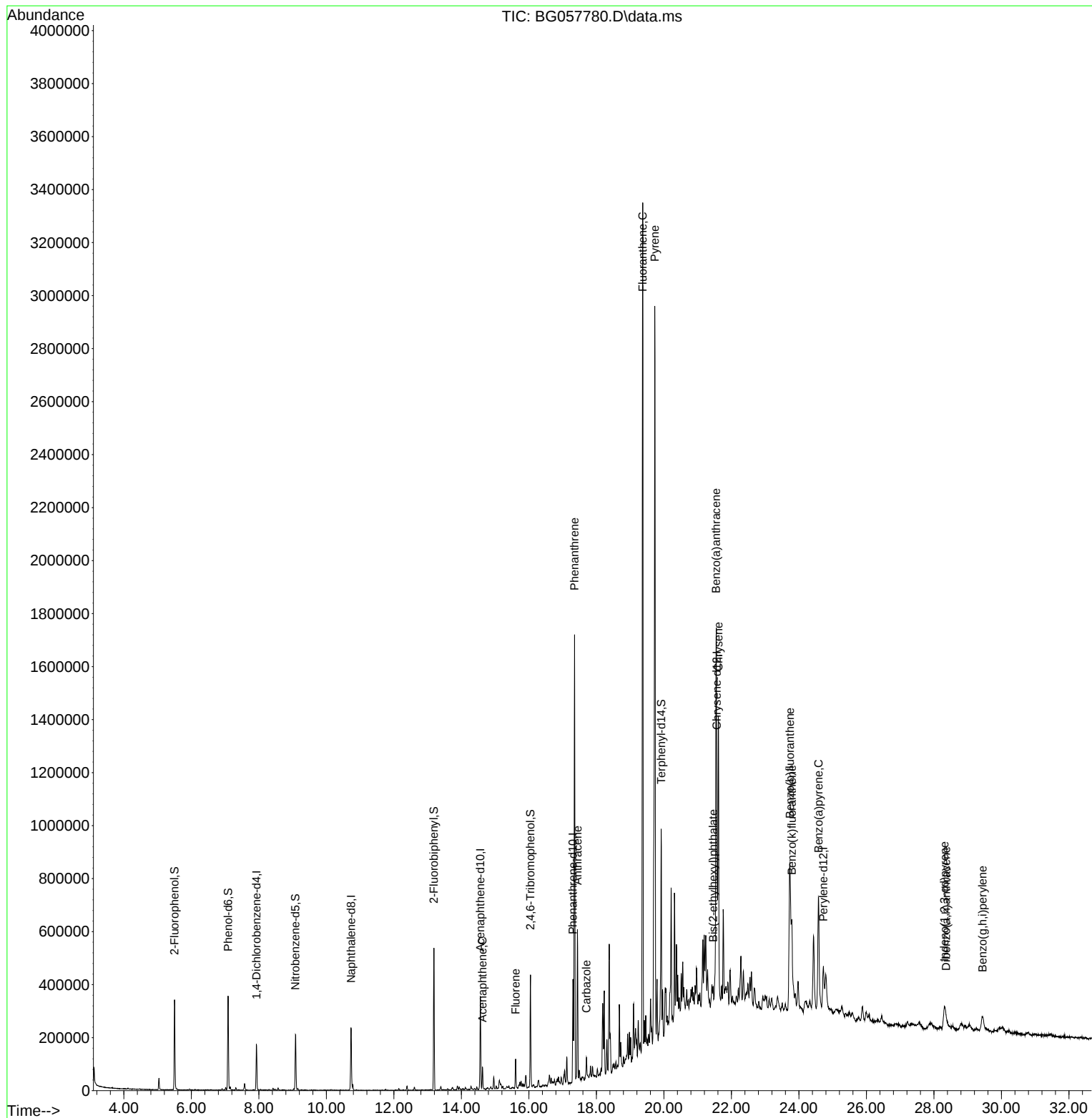
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.927	152	47910	20.000	ng	0.00
21) Naphthalene-d8	10.730	136	199504	20.000	ng	0.00
39) Acenaphthene-d10	14.560	164	121622	20.000	ng	0.00
64) Phenanthrene-d10	17.304	188	253341	20.000	ng	0.00
76) Chrysene-d12	21.564	240	192401	20.000	ng	0.00
86) Perylene-d12	24.725	264	220191	20.000	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.500	112	144377	46.465	ng	0.00
7) Phenol-d6	7.087	99	206102	43.471	ng	0.00
23) Nitrobenzene-d5	9.084	82	124911	32.134	ng	0.00
42) 2,4,6-Tribromophenol	16.047	330	76442	45.120	ng	0.00
45) 2-Fluorobiphenyl	13.185	172	278248	34.700	ng	0.00
79) Terphenyl-d14	19.919	244	369672	35.827	ng	0.00
Target Compounds						
						Qvalue
52) Acenaphthene	14.625	154	29839	4.377	ng	95
58) Fluorene	15.606	166	48501	5.590	ng	91
71) Phenanthrene	17.351	178	1018396	83.024	ng	99
72) Anthracene	17.439	178	362240	28.920	ng	100
73) Carbazole	17.704	167	47886	4.146	ng	97
75) Fluoranthene	19.372	202	2093474	143.262	ng	97
78) Pyrene	19.731	202	1892591	137.894	ng	96
81) Benzo(a)anthracene	21.546	228	915297	69.338	ng	97
83) Chrysene	21.611	228	785343	61.992	ng	96
84) Bis(2-ethylhexyl)phtha...	21.458	149	21491	2.835	ng	# 98
87) Indeno(1,2,3-cd)pyrene	28.309	276	193731m	13.457	ng	
88) Benzo(b)fluoranthene	23.732	252	803296	66.574	ng	95
89) Benzo(k)fluoranthene	23.791	252	332733m	27.075	ng	
90) Benzo(a)pyrene	24.578	252	567439	47.884	ng	# 96
91) Dibenzo(a,h)anthracene	28.362	278	40686	3.406	ng	# 78
92) Benzo(g,h,i)perylene	29.443	276	165370	13.827	ng	93

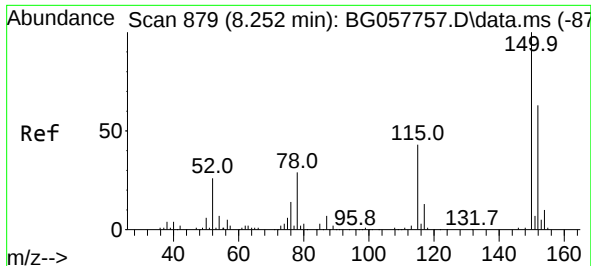
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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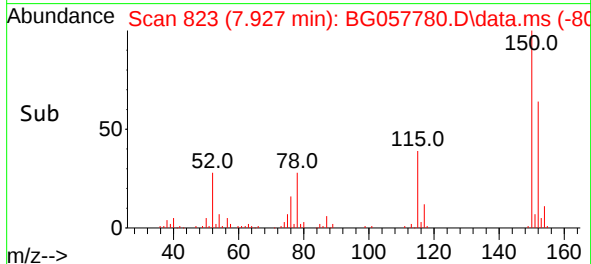
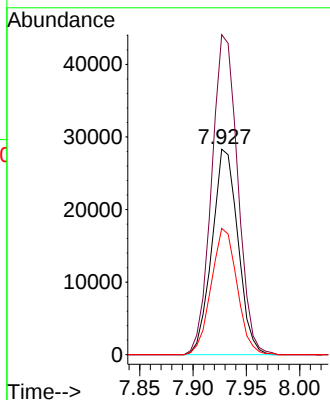
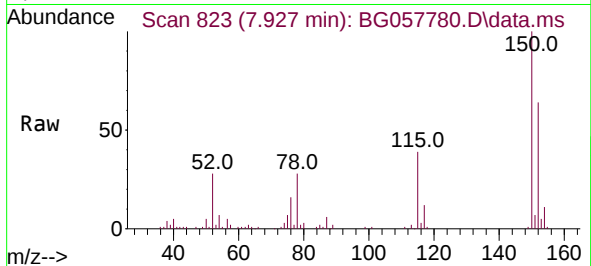




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.927 min Scan# 81
Delta R.T. -0.002 min
Lab File: BG057780.D
Acq: 20 Jun 2023 17:37

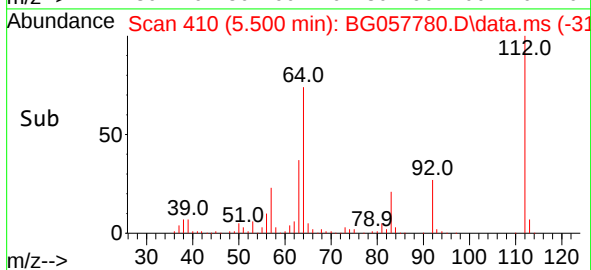
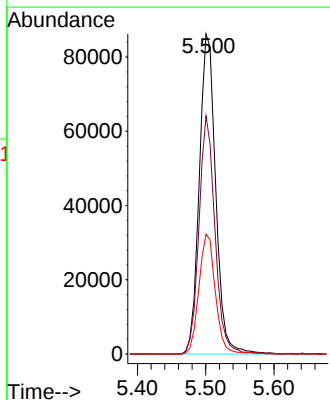
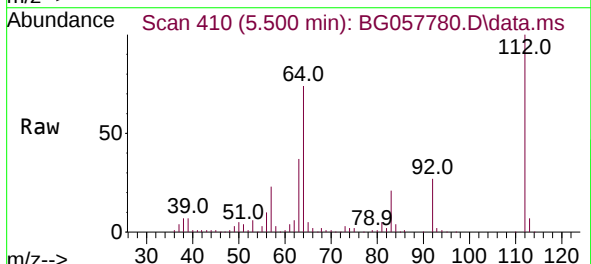
Instrument :
BNA_G
ClientSampleId :
COMPOSIT-TP6-01-1-5

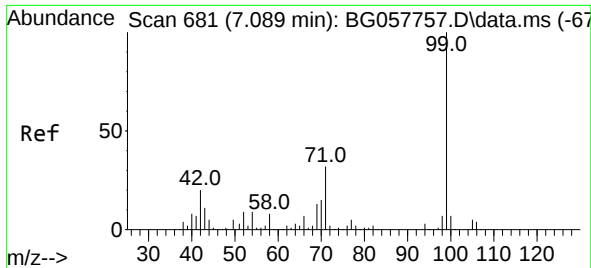
Tgt Ion:152 Resp: 47910
Ion Ratio Lower Upper
152 100
150 155.8 126.6 189.8
115 61.5 48.9 73.3



#5
2-Fluorophenol
Concen: 46.465 ng
RT: 5.500 min Scan# 410
Delta R.T. 0.003 min
Lab File: BG057780.D
Acq: 20 Jun 2023 17:37

Tgt Ion:112 Resp: 144377
Ion Ratio Lower Upper
112 100
64 74.4 62.1 93.1
63 37.4 31.5 47.3

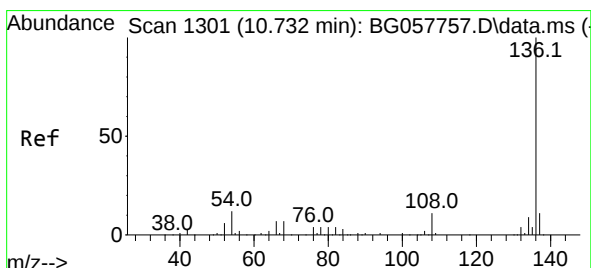
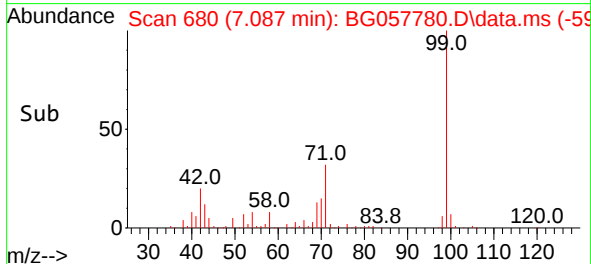
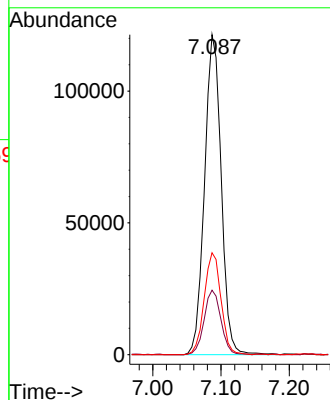
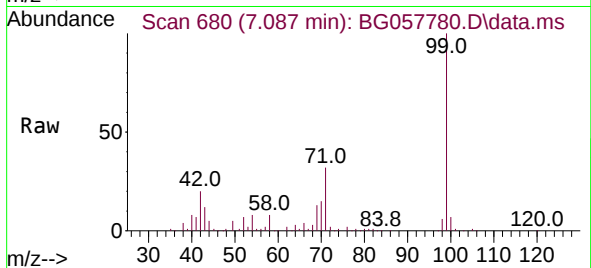




#7
Phenol-d6
Concen: 43.471 ng
RT: 7.087 min Scan# 61
Delta R.T. -0.002 min
Lab File: BG057780.D
Acq: 20 Jun 2023 17:37

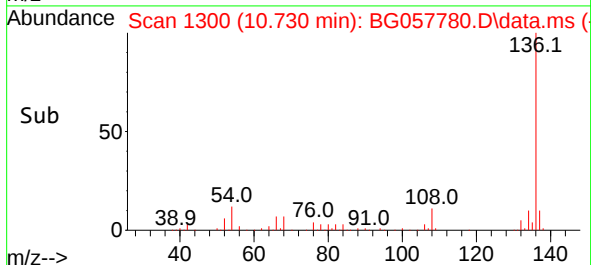
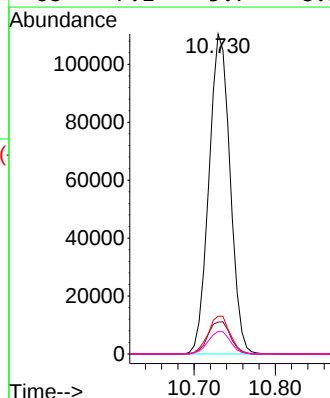
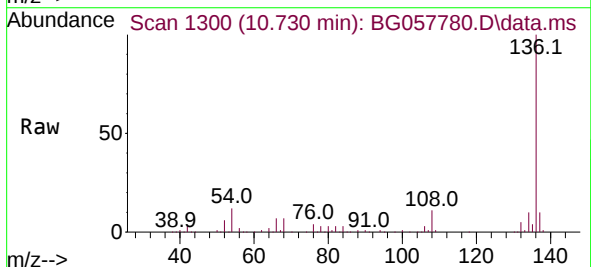
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BNA_G
ClientSampleId :
COMPOSIT-TP6-01-1-5

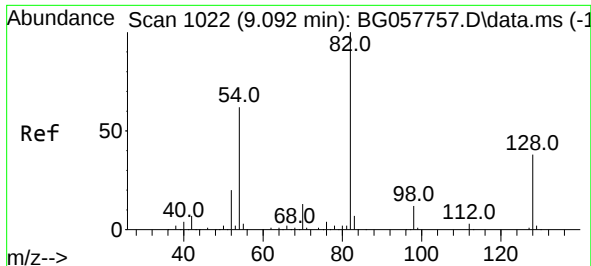
Tgt Ion: 99 Resp: 206102
Ion Ratio Lower Upper
99 100
42 20.2 16.4 24.6
71 31.8 25.8 38.6



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.730 min Scan# 1300
Delta R.T. -0.002 min
Lab File: BG057780.D
Acq: 20 Jun 2023 17:37

Tgt Ion: 136 Resp: 199504
Ion Ratio Lower Upper
136 100
137 9.9 8.5 12.7
54 11.8 9.5 14.3
68 7.1 5.7 8.5





#23

Nitrobenzene-d5

Concen: 32.134 ng

RT: 9.084 min Scan# 1020

Delta R.T. -0.008 min

Lab File: BG057780.D

Acq: 20 Jun 2023 17:37

Instrument :

BNA_G

ClientSampleId :

COMPOSIT-TP6-01-1-5

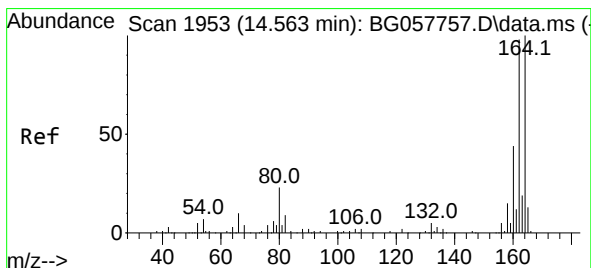
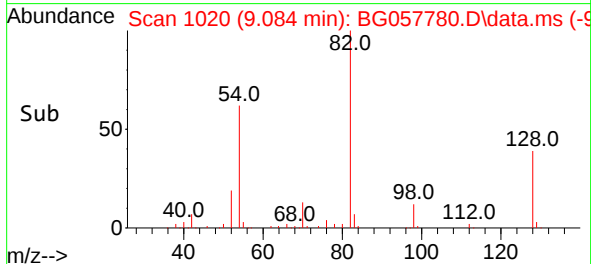
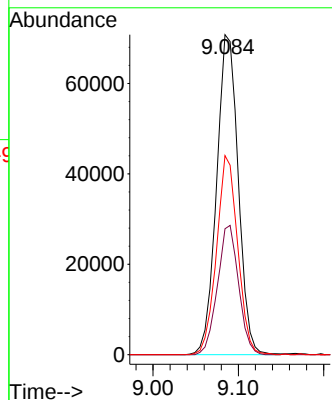
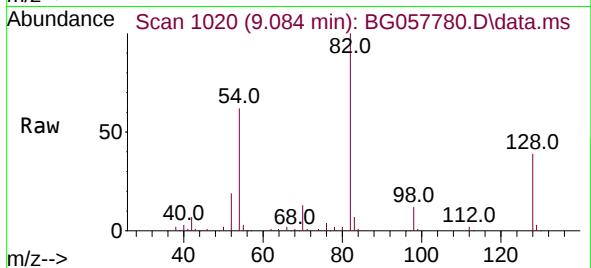
Tgt Ion: 82 Resp: 124911

Ion Ratio Lower Upper

82 100

128 39.3 30.7 46.1

54 62.2 49.6 74.4



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.560 min Scan# 1952

Delta R.T. -0.002 min

Lab File: BG057780.D

Acq: 20 Jun 2023 17:37

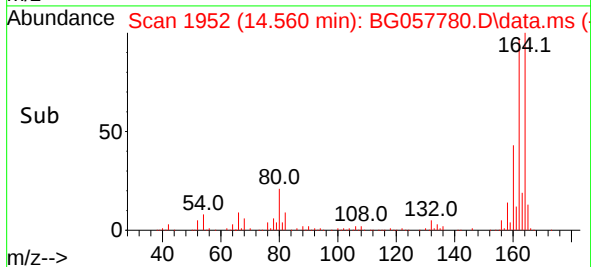
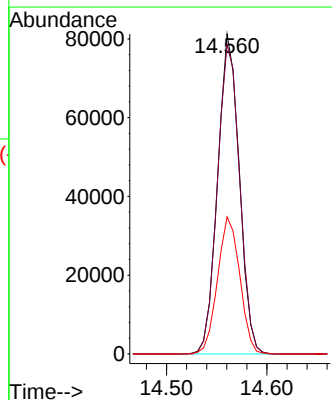
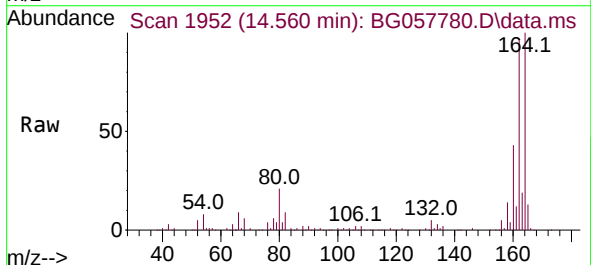
Tgt Ion:164 Resp: 121622

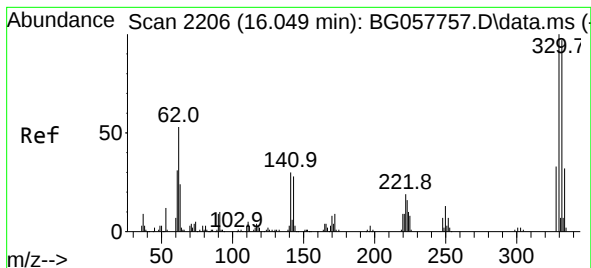
Ion Ratio Lower Upper

164 100

162 96.7 78.3 117.5

160 42.8 35.4 53.0





#42

2,4,6-Tribromophenol

Concen: 45.120 ng

RT: 16.047 min Scan# 21

Delta R.T. -0.002 min

Lab File: BG057780.D

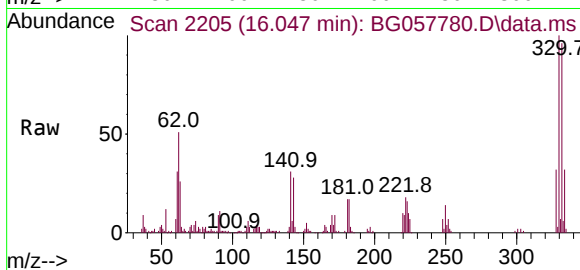
Acq: 20 Jun 2023 17:37

Instrument :

BNA_G

ClientSampleId :

COMPOSIT-TP6-01-1-5



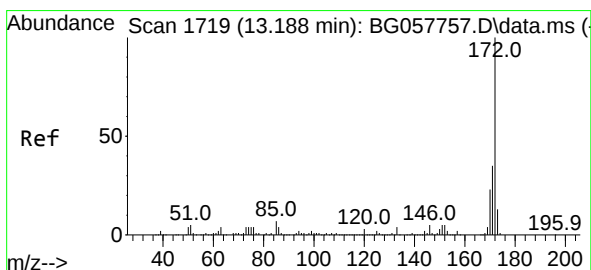
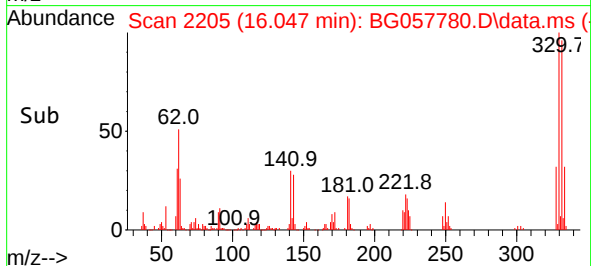
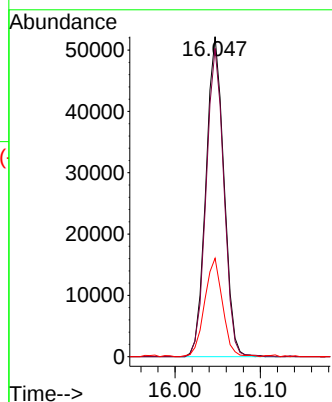
Tgt Ion:330 Resp: 76442

Ion Ratio Lower Upper

330 100

332 94.9 76.6 115.0

141 30.7 24.7 37.1



#45

2-Fluorobiphenyl

Concen: 34.700 ng

RT: 13.185 min Scan# 1718

Delta R.T. -0.002 min

Lab File: BG057780.D

Acq: 20 Jun 2023 17:37

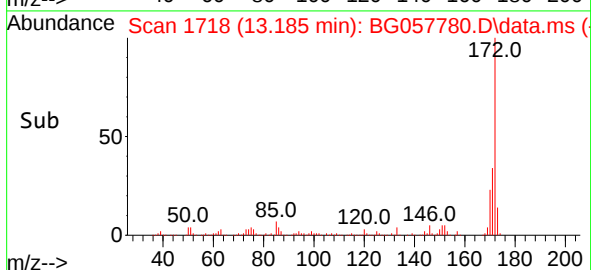
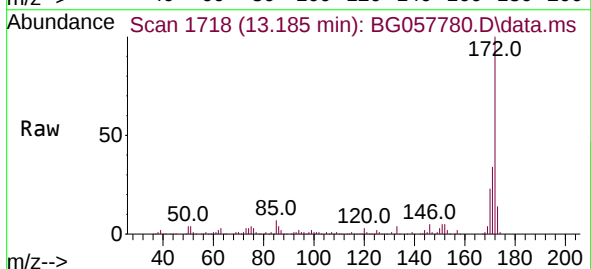
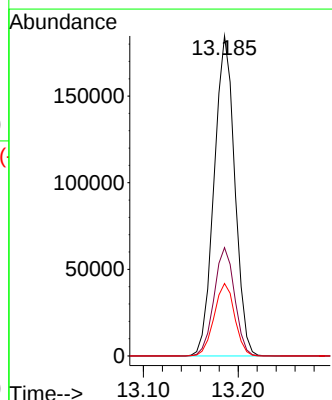
Tgt Ion:172 Resp: 278248

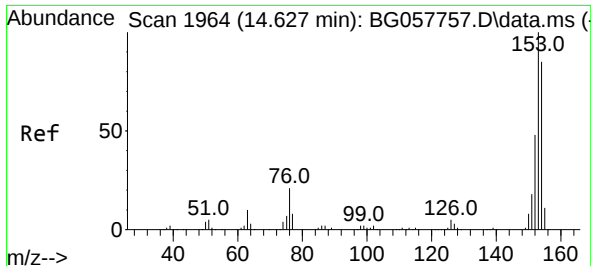
Ion Ratio Lower Upper

172 100

171 33.8 28.1 42.1

170 22.7 18.6 27.8

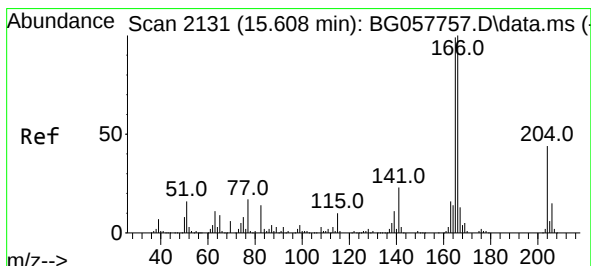
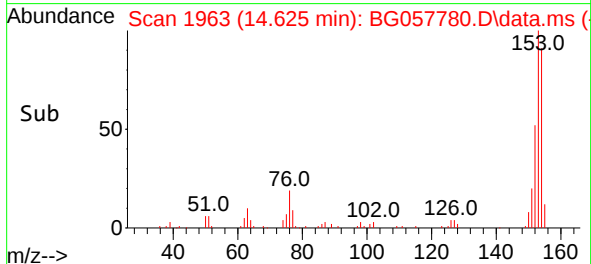
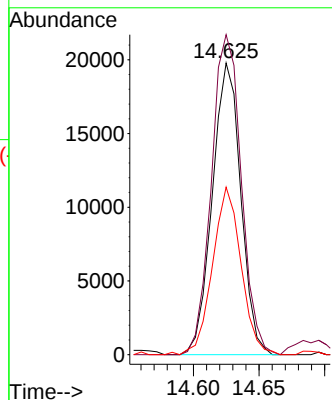
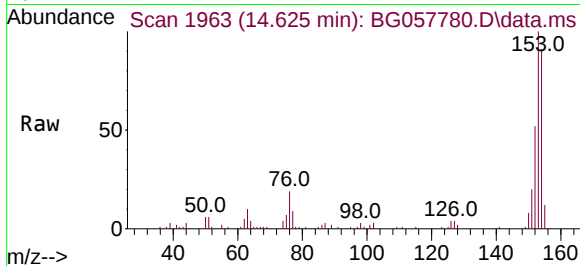




#52
Acenaphthene
Concen: 4.377 ng
RT: 14.625 min Scan# 1963
Delta R.T. -0.002 min
Lab File: BG057780.D
Acq: 20 Jun 2023 17:37

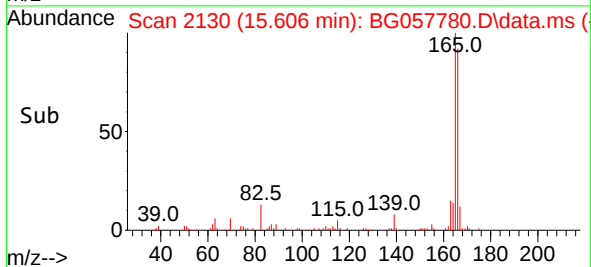
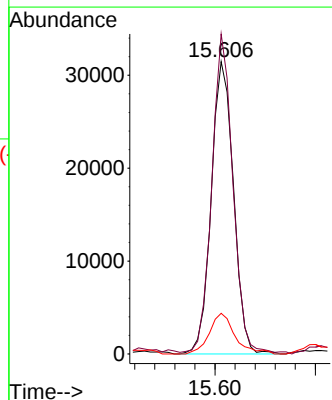
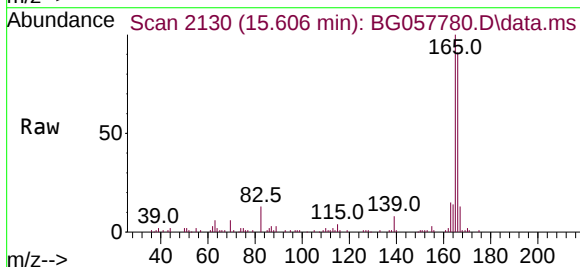
Instrument :
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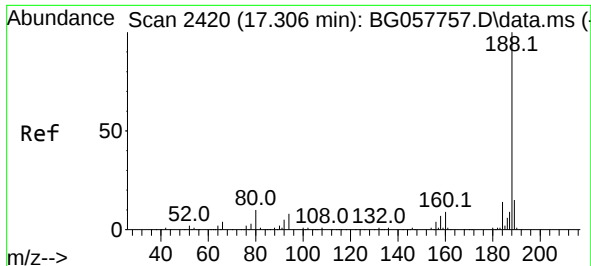
Tgt Ion:154 Resp: 29839
Ion Ratio Lower Upper
154 100
153 109.7 93.6 140.4
152 57.4 44.7 67.1



#58
Fluorene
Concen: 5.590 ng
RT: 15.606 min Scan# 2130
Delta R.T. -0.002 min
Lab File: BG057780.D
Acq: 20 Jun 2023 17:37

Tgt Ion:166 Resp: 48501
Ion Ratio Lower Upper
166 100
165 109.5 79.5 119.3
167 13.9 10.6 16.0

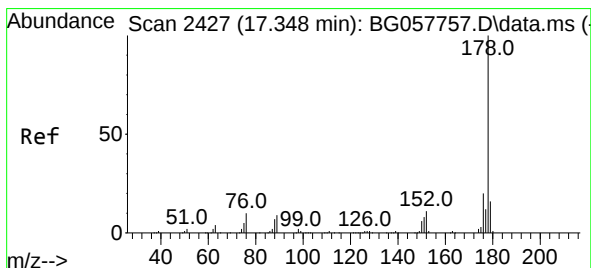
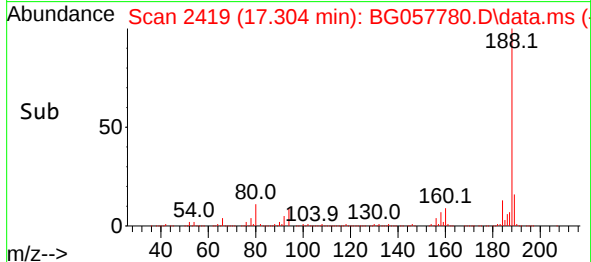
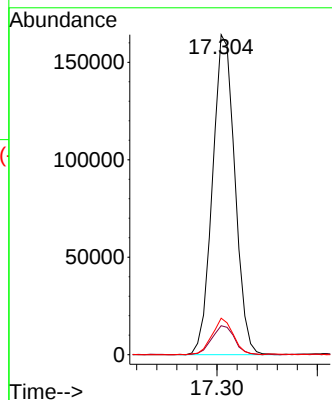
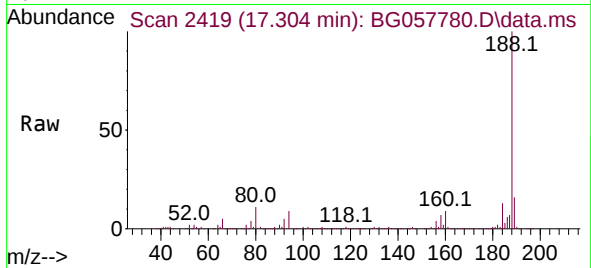




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.304 min Scan# 2419
Delta R.T. -0.002 min
Lab File: BG057780.D
Acq: 20 Jun 2023 17:37

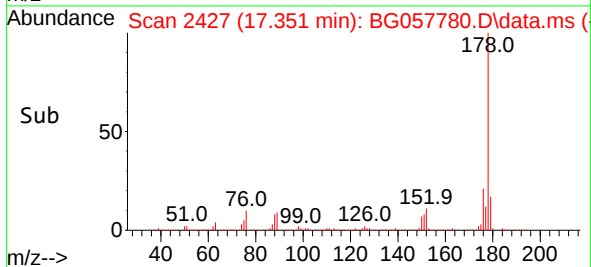
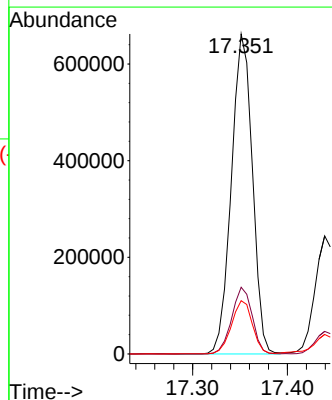
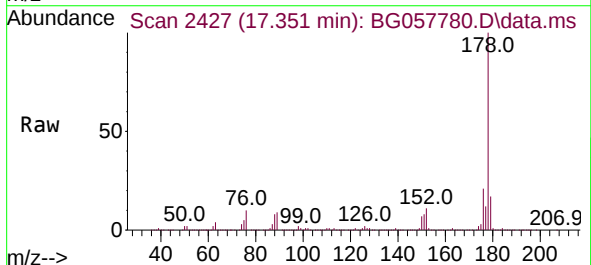
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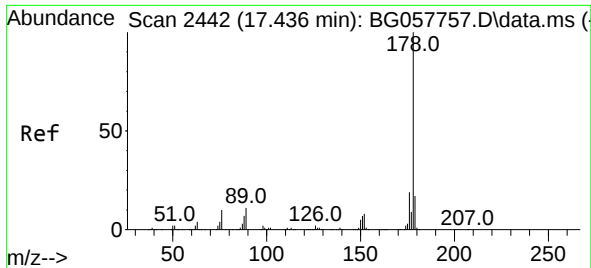
Tgt Ion:188 Resp: 253341
Ion Ratio Lower Upper
188 100
94 9.0 6.6 9.8
80 11.4 7.6 11.4



#71
Phenanthrene
Concen: 83.024 ng
RT: 17.351 min Scan# 2427
Delta R.T. 0.004 min
Lab File: BG057780.D
Acq: 20 Jun 2023 17:37

Tgt Ion:178 Resp: 1018396
Ion Ratio Lower Upper
178 100
176 20.8 16.3 24.5
179 16.6 13.0 19.6

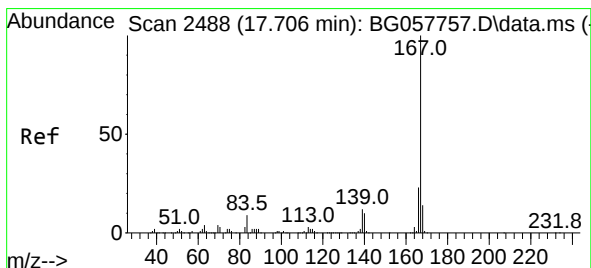
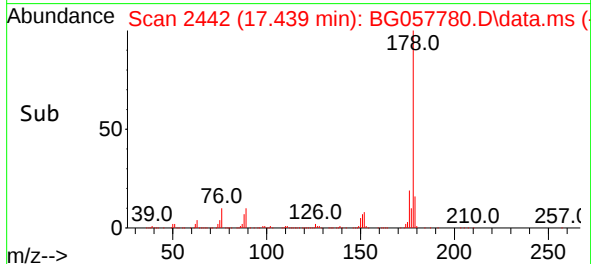
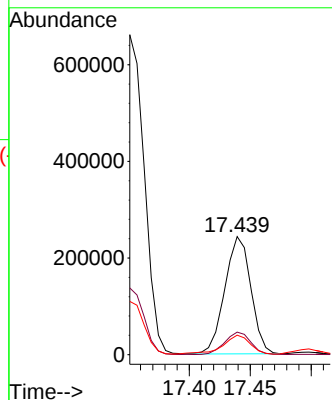
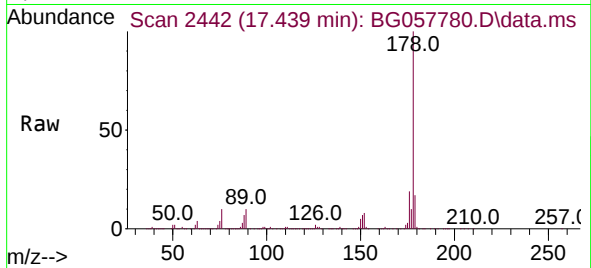




#72
 Anthracene
 Concen: 28.920 ng
 RT: 17.439 min Scan# 2442
 Delta R.T. 0.004 min
 Lab File: BG057780.D
 Acq: 20 Jun 2023 17:37

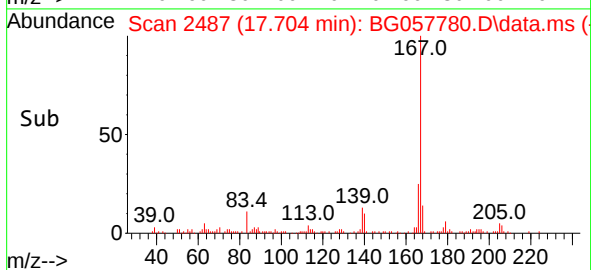
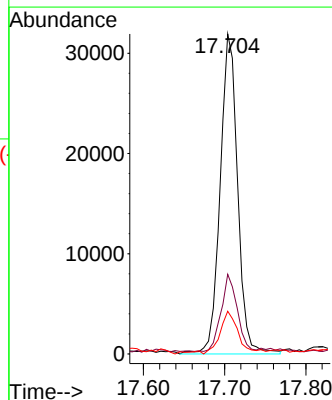
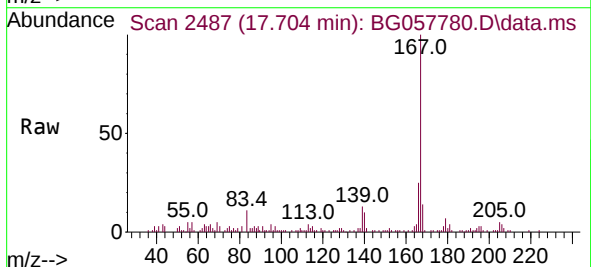
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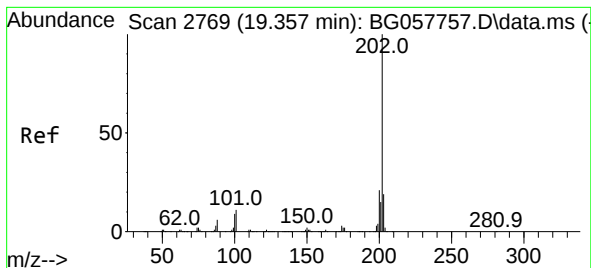
Tgt Ion:178 Resp: 362240
 Ion Ratio Lower Upper
 178 100
 176 19.1 15.4 23.0
 179 16.5 13.3 19.9



#73
 Carbazole
 Concen: 4.146 ng
 RT: 17.704 min Scan# 2487
 Delta R.T. -0.002 min
 Lab File: BG057780.D
 Acq: 20 Jun 2023 17:37

Tgt Ion:167 Resp: 47886
 Ion Ratio Lower Upper
 167 100
 166 24.9 18.4 27.6
 139 13.3 9.9 14.9





#75

Fluoranthene

Concen: 143.262 ng

RT: 19.372 min Scan# 21

Delta R.T. 0.015 min

Lab File: BG057780.D

Acq: 20 Jun 2023 17:37

Instrument :

BNA_G

ClientSampleId :

COMPOSIT-TP6-01-1-5

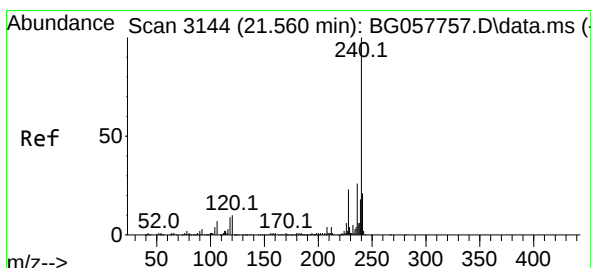
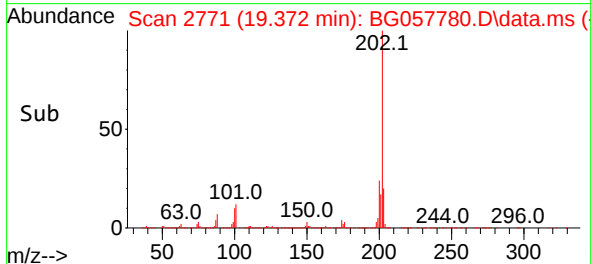
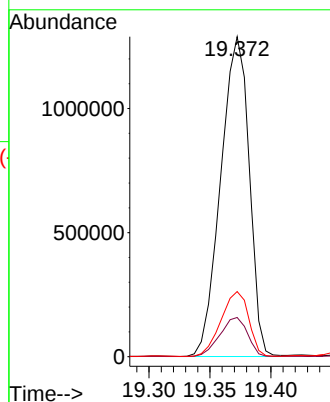
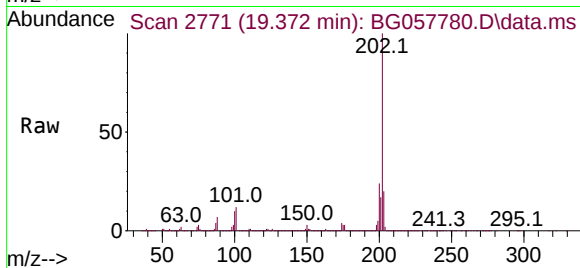
Tgt Ion:202 Resp: 2093474

Ion Ratio Lower Upper

202 100

101 12.3 0.0 31.3

203 20.4 0.0 38.7



#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.564 min Scan# 3144

Delta R.T. 0.004 min

Lab File: BG057780.D

Acq: 20 Jun 2023 17:37

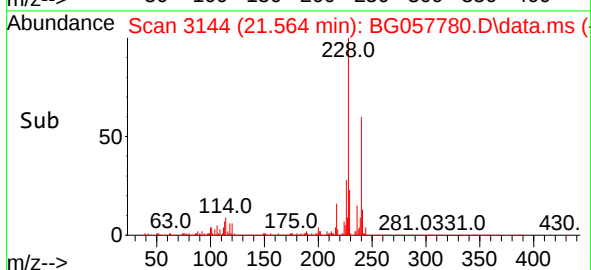
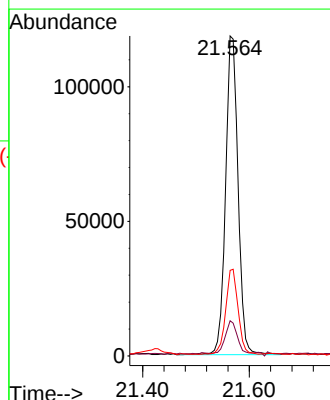
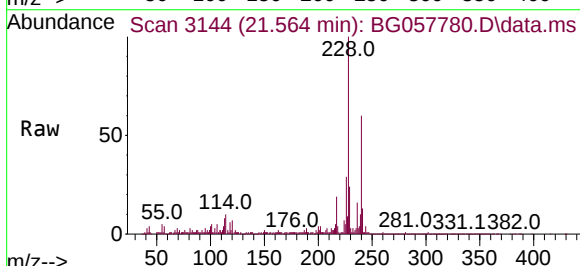
Tgt Ion:240 Resp: 192401

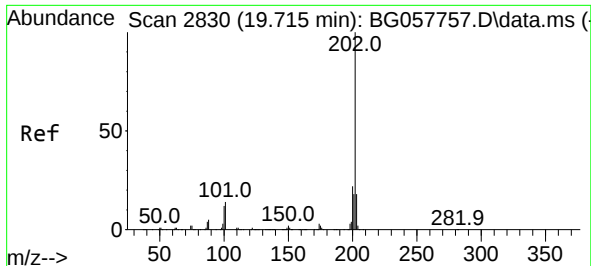
Ion Ratio Lower Upper

240 100

120 11.0 8.1 12.1

236 26.7 20.6 30.8

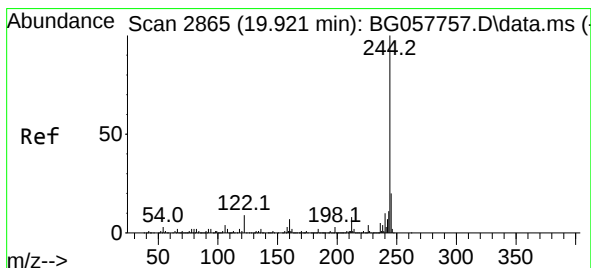
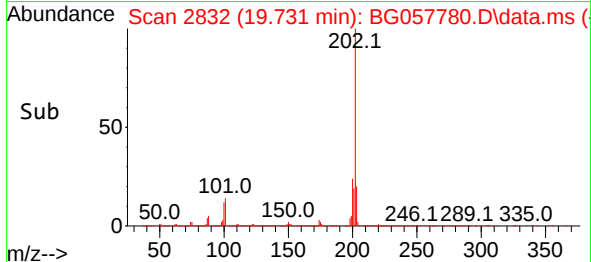
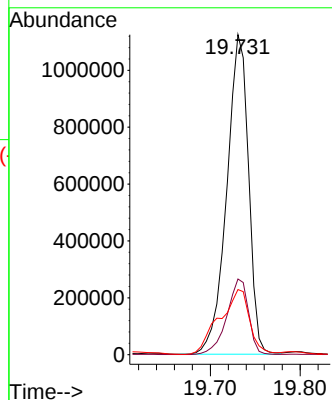
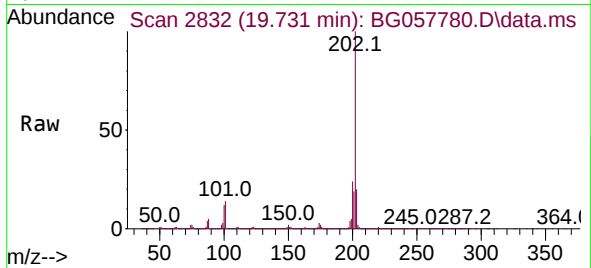




#78
Pyrene
Concen: 137.894 ng
RT: 19.731 min Scan# 2832
Delta R.T. 0.015 min
Lab File: BG057780.D
Acq: 20 Jun 2023 17:37

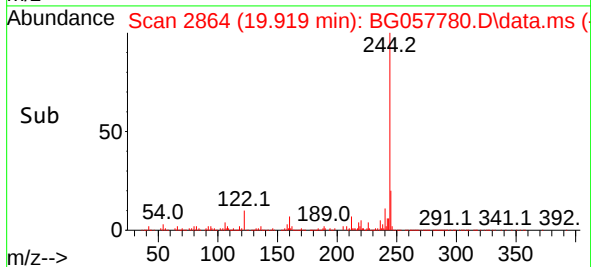
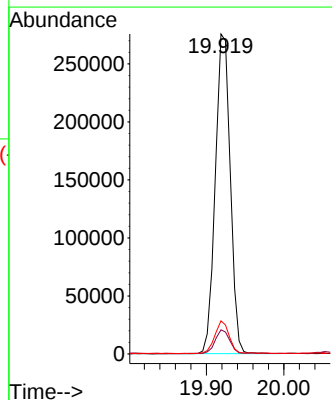
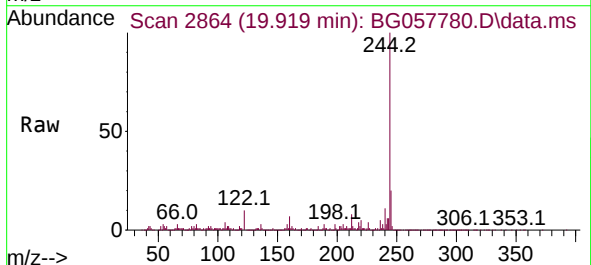
Instrument :
BNA_G
ClientSampleId :
COMPOSIT-TP6-01-1-5

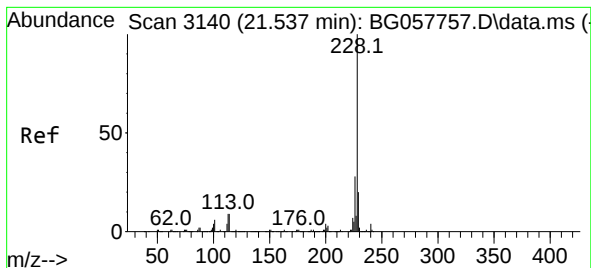
Tgt Ion:202 Resp: 1892591
Ion Ratio Lower Upper
202 100
200 23.7 17.4 26.0
203 20.4 14.6 22.0



#79
Terphenyl-d14
Concen: 35.827 ng
RT: 19.919 min Scan# 2864
Delta R.T. -0.002 min
Lab File: BG057780.D
Acq: 20 Jun 2023 17:37

Tgt Ion:244 Resp: 369672
Ion Ratio Lower Upper
244 100
212 7.6 6.1 9.1
122 10.3 7.6 11.4





#81

Benzo(a)anthracene

Concen: 69.338 ng

RT: 21.546 min Scan# 3141

Delta R.T. 0.009 min

Lab File: BG057780.D

Acq: 20 Jun 2023 17:37

Instrument :

BNA_G

ClientSampleId :

COMPOSIT-TP6-01-1-5

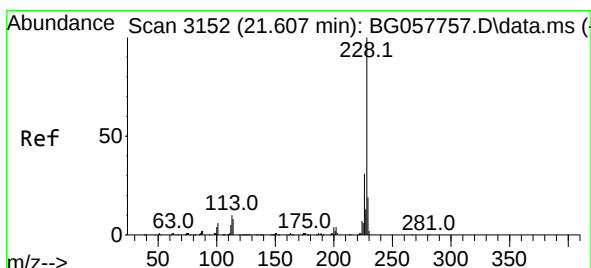
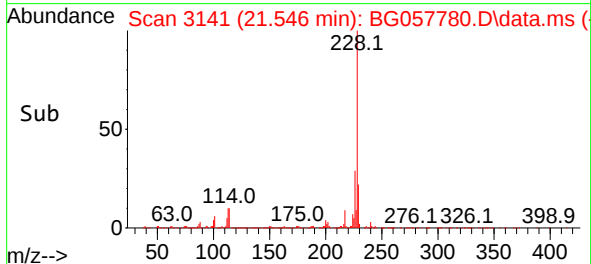
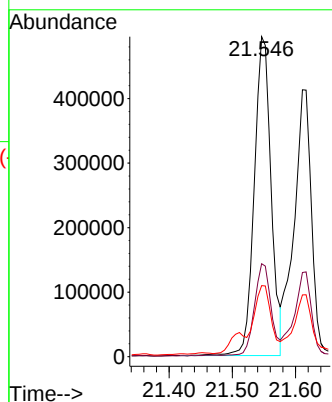
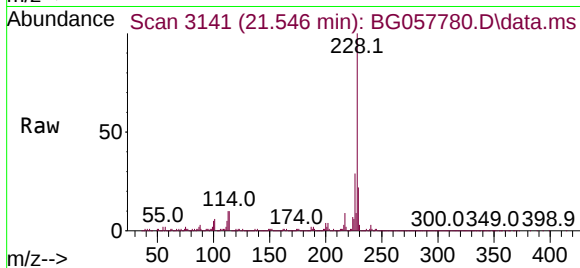
Tgt Ion:228 Resp: 915297

Ion Ratio Lower Upper

228 100

226 29.1 22.3 33.5

229 22.2 16.3 24.5



#83

Chrysene

Concen: 61.992 ng

RT: 21.611 min Scan# 3152

Delta R.T. 0.004 min

Lab File: BG057780.D

Acq: 20 Jun 2023 17:37

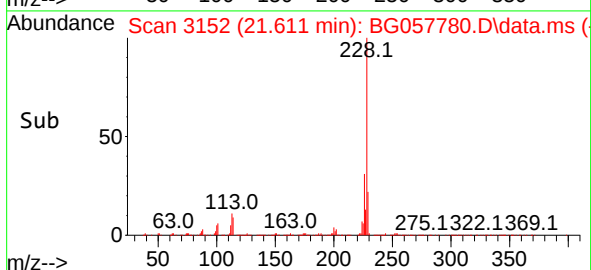
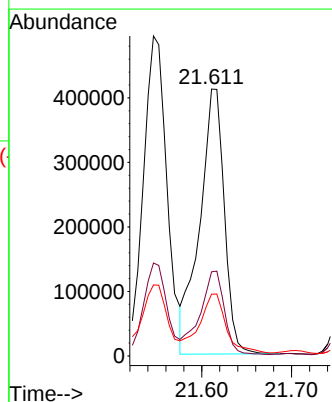
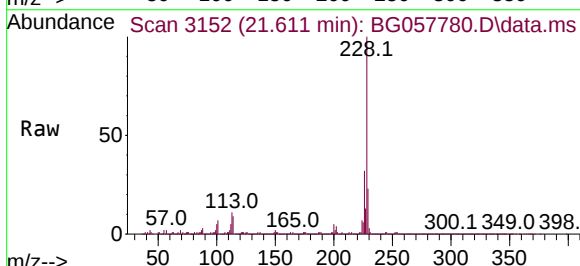
Tgt Ion:228 Resp: 785343

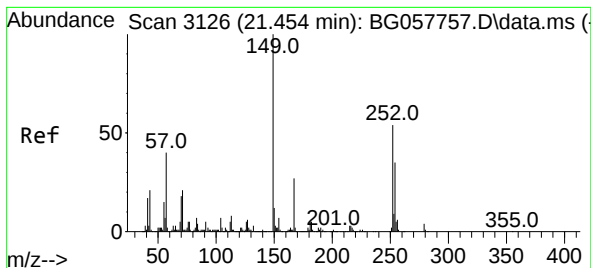
Ion Ratio Lower Upper

228 100

226 31.6 24.8 37.2

229 23.1 15.6 23.4





#84

Bis(2-ethylhexyl)phthalate

Concen: 2.835 ng

RT: 21.458 min Scan# 3126

Delta R.T. 0.004 min

Lab File: BG057780.D

Acq: 20 Jun 2023 17:37

Instrument :

BNA_G

ClientSampleId :

COMPOSIT-TP6-01-1-5

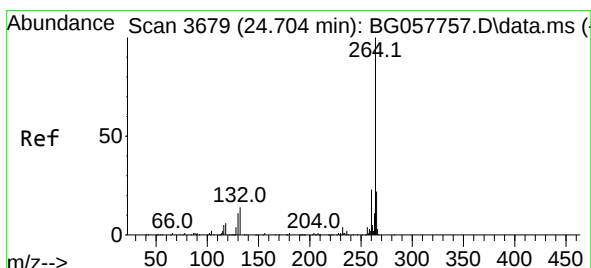
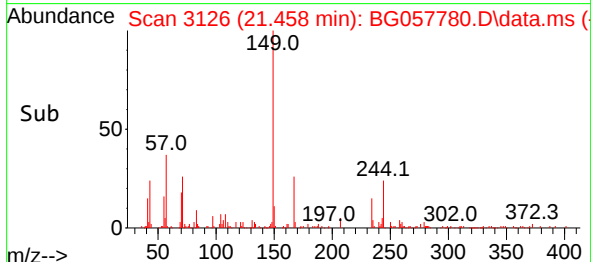
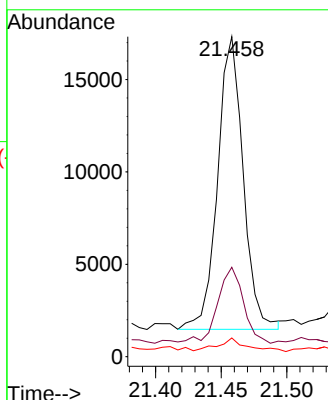
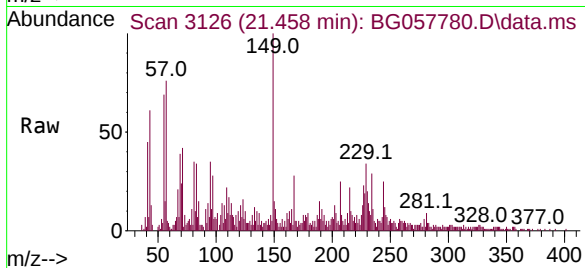
Tgt Ion:149 Resp: 21491

Ion Ratio Lower Upper

149 100

167 28.0 21.8 32.8

279 5.8 2.9 4.3#



#86

Perylene-d12

Concen: 20.000 ng

RT: 24.725 min Scan# 3682

Delta R.T. 0.021 min

Lab File: BG057780.D

Acq: 20 Jun 2023 17:37

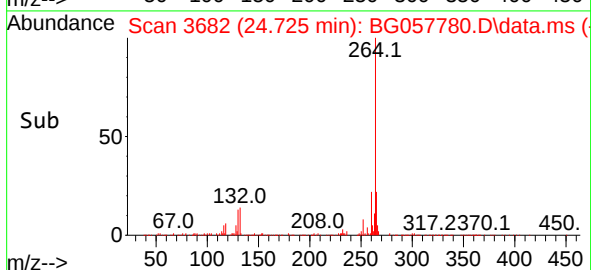
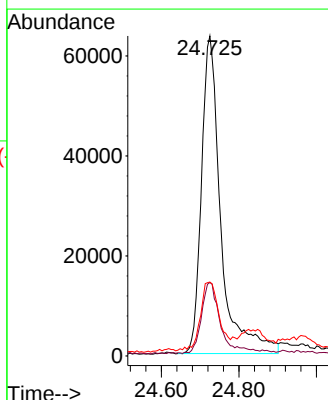
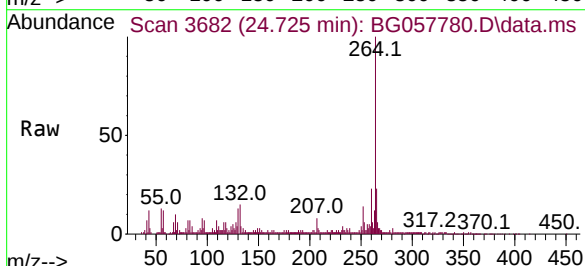
Tgt Ion:264 Resp: 220191

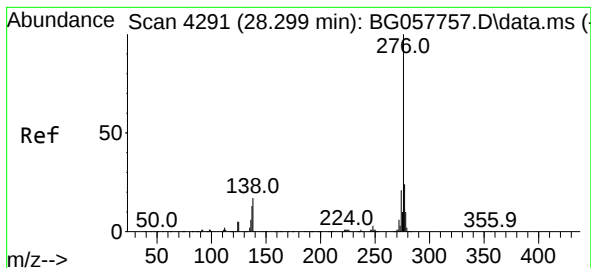
Ion Ratio Lower Upper

264 100

260 23.0 18.5 27.7

265 23.1 17.4 26.2





#87

Indeno(1,2,3-cd)pyrene

Concen: 13.457 ng m

RT: 28.309 min Scan# 41

Delta R.T. 0.009 min

Lab File: BG057780.D

Acq: 20 Jun 2023 17:37

Instrument :

BNA_G

ClientSampleId :

COMPOSIT-TP6-01-1-5

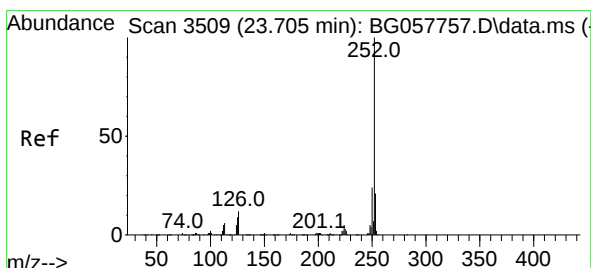
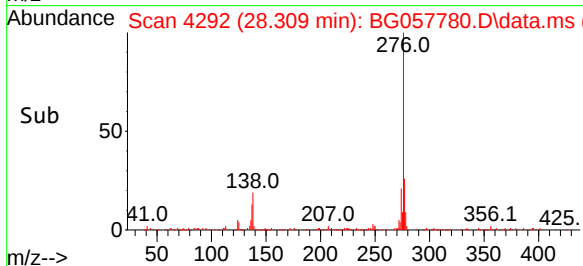
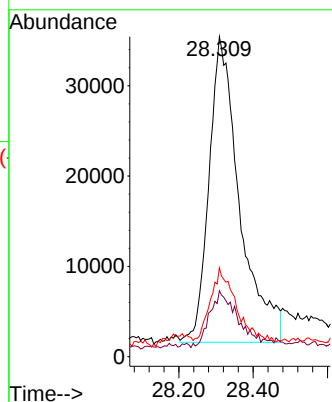
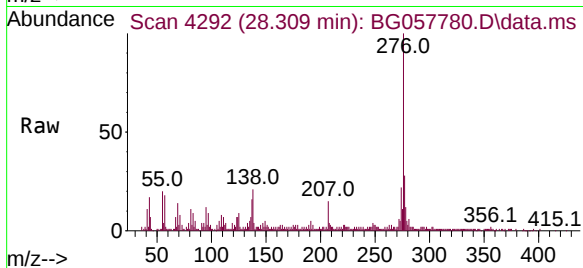
Tgt Ion:276 Resp: 193731

Ion Ratio Lower Upper

276 100

138 17.2 11.3 16.9#

277 18.1 20.4 30.6#



#88

Benzo(b)fluoranthene

Concen: 66.574 ng

RT: 23.732 min Scan# 3513

Delta R.T. 0.027 min

Lab File: BG057780.D

Acq: 20 Jun 2023 17:37

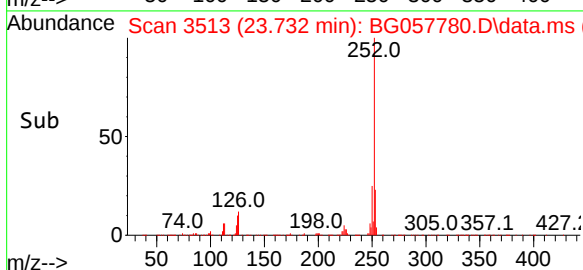
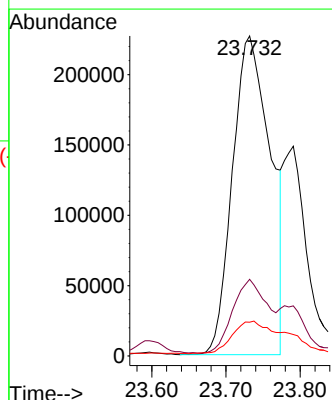
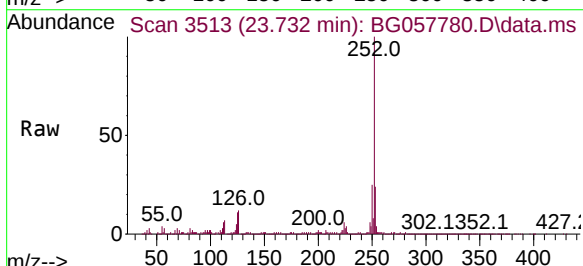
Tgt Ion:252 Resp: 803296

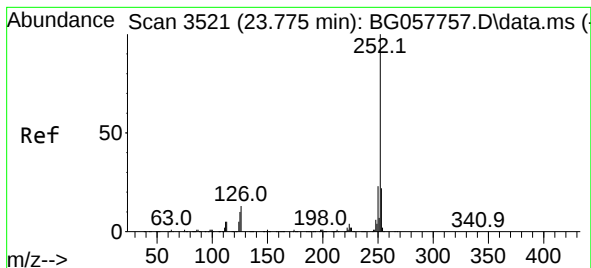
Ion Ratio Lower Upper

252 100

253 24.0 17.1 25.7

125 10.5 7.4 11.0





#89

Benzo(k)fluoranthene

Concen: 27.075 ng m

RT: 23.791 min Scan# 3

Delta R.T. 0.015 min

Lab File: BG057780.D

Acq: 20 Jun 2023 17:37

Instrument :

BNA_G

ClientSampleId :

COMPOSIT-TP6-01-1-5

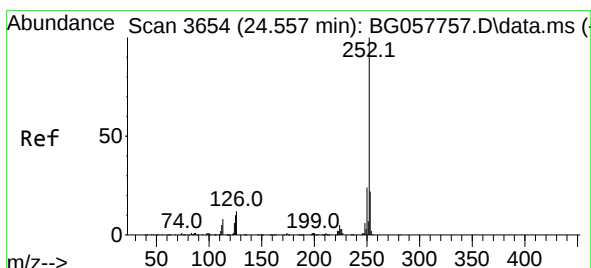
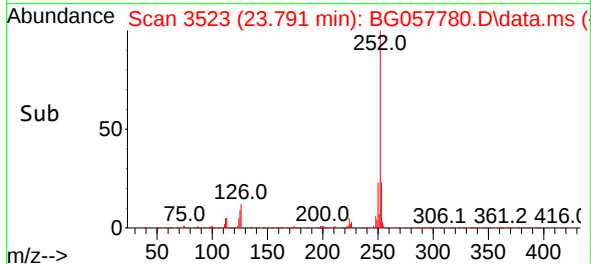
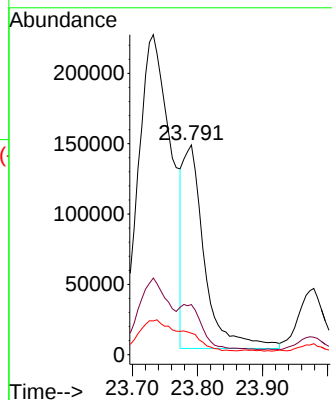
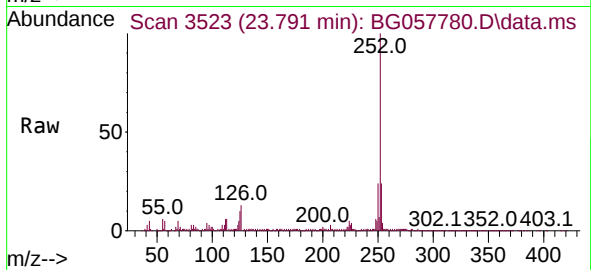
Tgt Ion:252 Resp: 332733

Ion Ratio Lower Upper

252 100

253 23.9 18.0 27.0

125 10.2 7.6 11.4



#90

Benzo(a)pyrene

Concen: 47.884 ng

RT: 24.578 min Scan# 3657

Delta R.T. 0.021 min

Lab File: BG057780.D

Acq: 20 Jun 2023 17:37

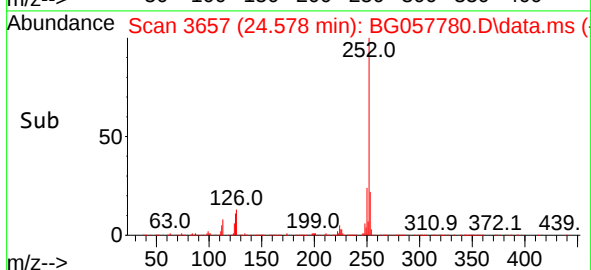
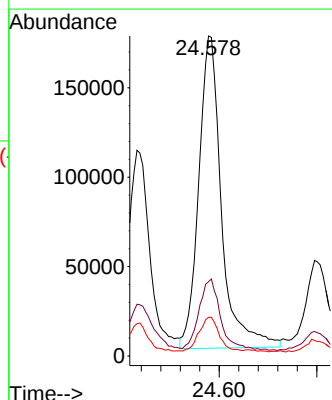
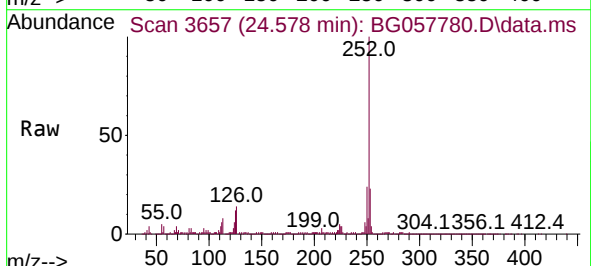
Tgt Ion:252 Resp: 567439

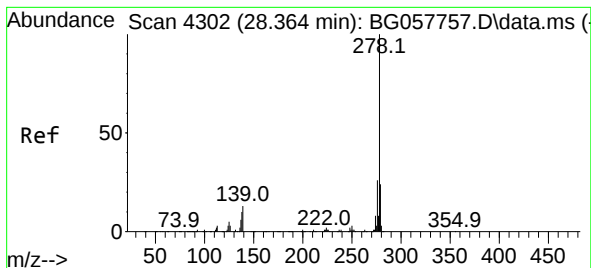
Ion Ratio Lower Upper

252 100

253 23.2 17.4 26.2

125 12.1 8.0 12.0#





#91

Dibenzo(a,h)anthracene

Concen: 3.406 ng

RT: 28.362 min Scan# 41

Delta R.T. -0.002 min

Lab File: BG057780.D

Acq: 20 Jun 2023 17:37

Instrument :

BNA_G

ClientSampleId :

COMPOSIT-TP6-01-1-5

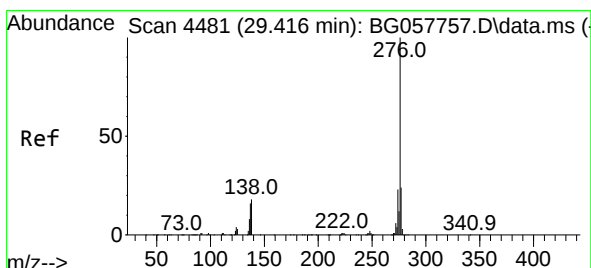
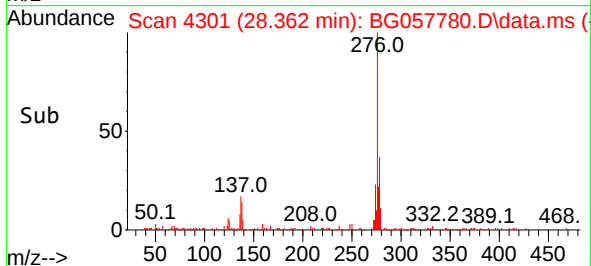
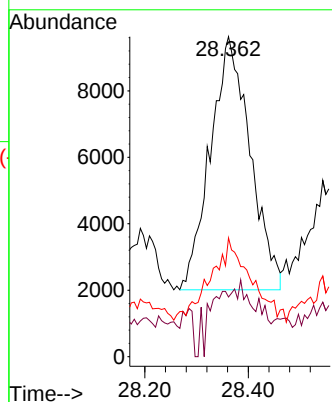
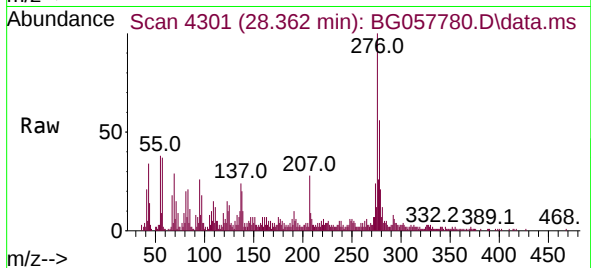
Tgt Ion:278 Resp: 40686

Ion Ratio Lower Upper

278 100

139 18.6 10.8 16.2#

279 37.1 19.0 28.4#



#92

Benzo(g,h,i)perylene

Concen: 13.827 ng

RT: 29.443 min Scan# 4485

Delta R.T. 0.027 min

Lab File: BG057780.D

Acq: 20 Jun 2023 17:37

Tgt Ion:276 Resp: 165370

Ion Ratio Lower Upper

276 100

277 27.5 19.4 29.0

138 20.7 14.2 21.4

