

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG062023\
 Data File : BG057777.D
 Acq On : 20 Jun 2023 15:30
 Operator : CG/JU
 Sample : 03289-02
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SB-01-4.0-6.0

Quant Time: Jun 21 01:03:56 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)

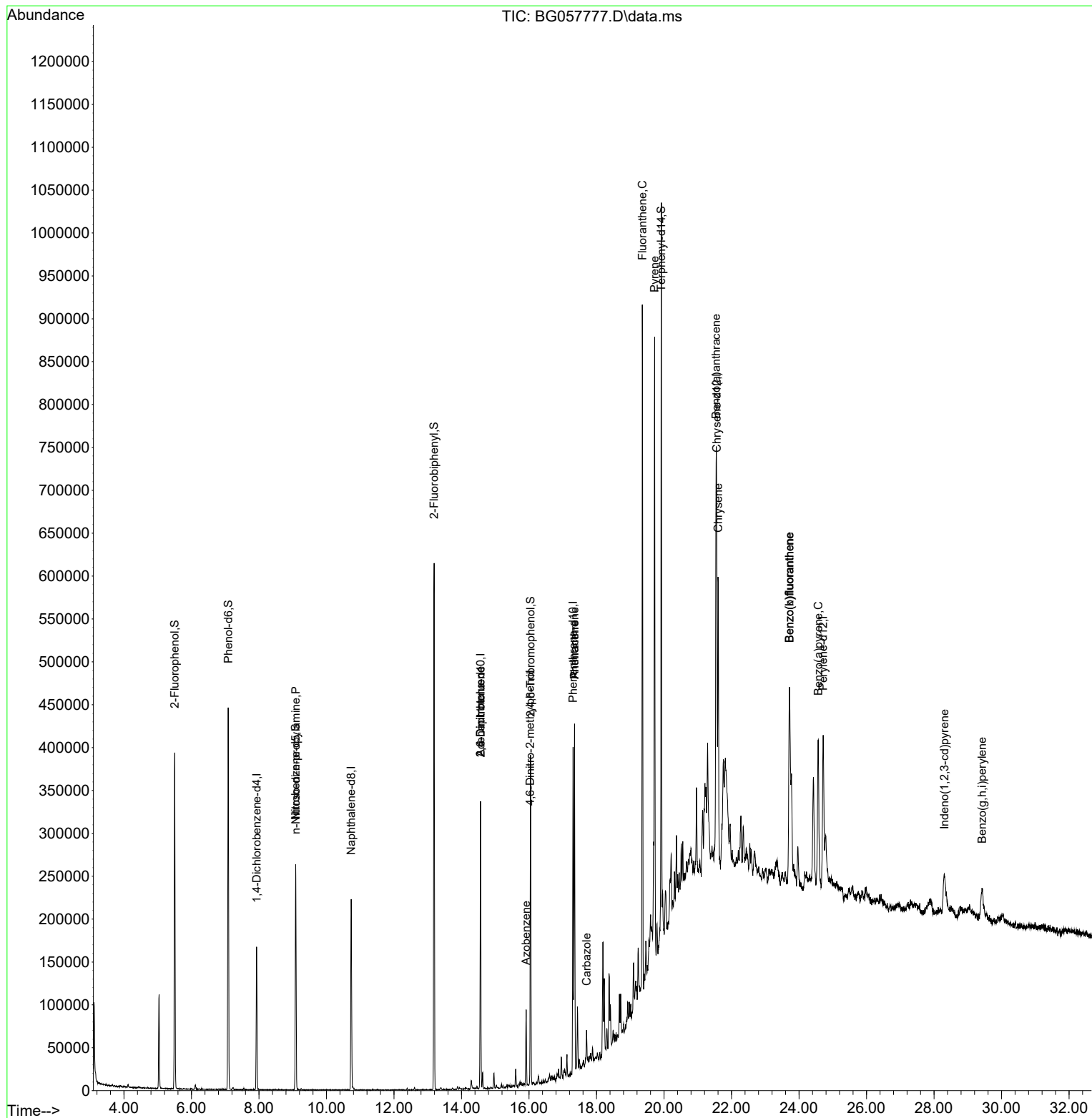
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.929	152	44156	20.000	ng	0.00
21) Naphthalene-d8	10.732	136	186010	20.000	ng	0.00
39) Acenaphthene-d10	14.563	164	115487	20.000	ng	0.00
64) Phenanthrene-d10	17.307	188	239373	20.000	ng	0.00
76) Chrysene-d12	21.560	240	189111	20.000	ng	0.00
86) Perylene-d12	24.715	264	218245	20.000	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.503	112	163389	57.055	ng	0.00
7) Phenol-d6	7.089	99	251099	57.465	ng	0.00
23) Nitrobenzene-d5	9.087	82	152032	41.948	ng	0.00
42) 2,4,6-Tribromophenol	16.049	330	75959	47.217	ng	0.00
45) 2-Fluorobiphenyl	13.188	172	323598	42.500	ng	0.00
79) Terphenyl-d14	19.921	244	426577	42.061	ng	0.00
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	9.093	70	19758	6.486	ng	# 74
51) 2,6-Dinitrotoluene	14.563	165	14857	9.096	ng	# 19
57) 2,4-Dinitrotoluene	14.563	165	14857	6.707	ng	# 19
63) Azobenzene	15.914	77	25709	2.762	ng	# 1
65) 4,6-Dinitro-2-methylph...	16.037	198	124	5.412	ng	# 1
71) Phenanthrene	17.348	178	240262	20.730	ng	97
72) Anthracene	17.348	178	240262	20.301	ng	98
73) Carbazole	17.706	167	24114	2.210	ng	97
75) Fluoranthene	19.357	202	478033	34.622	ng	99
78) Pyrene	19.721	202	450793	33.416	ng	99
81) Benzo(a)anthracene	21.543	228	254635	19.625	ng	99
83) Chrysene	21.601	228	247199	19.853	ng	97
87) Indeno(1,2,3-cd)pyrene	28.305	276	101612	7.121	ng	# 92
88) Benzo(b)fluoranthene	23.717	252	294646	24.637	ng	# 95
89) Benzo(k)fluoranthene	23.717	252	294646	24.190	ng	# 97
90) Benzo(a)pyrene	24.569	252	205005	17.454	ng	95
92) Benzo(g,h,i)perylene	29.422	276	84024	7.088	ng	96

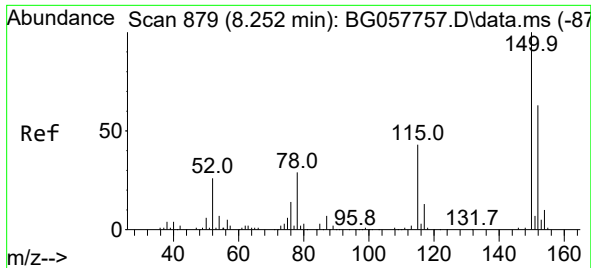
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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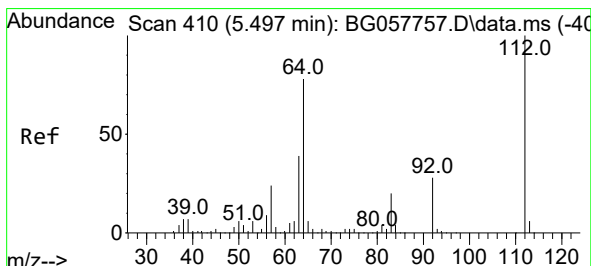
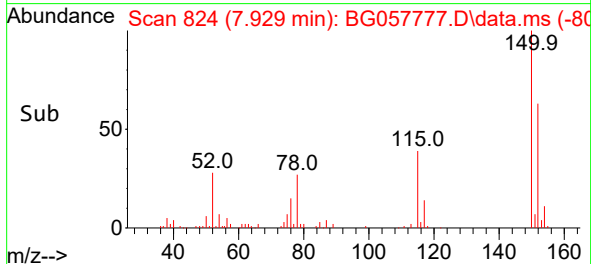
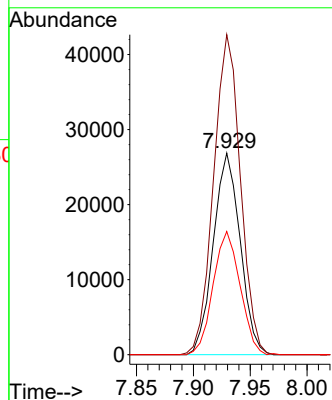
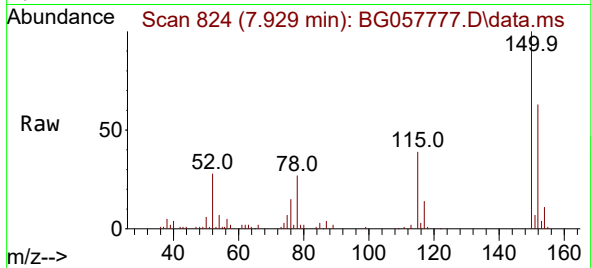




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.929 min Scan# 81
Delta R.T. 0.000 min
Lab File: BG057777.D
Acq: 20 Jun 2023 15:30

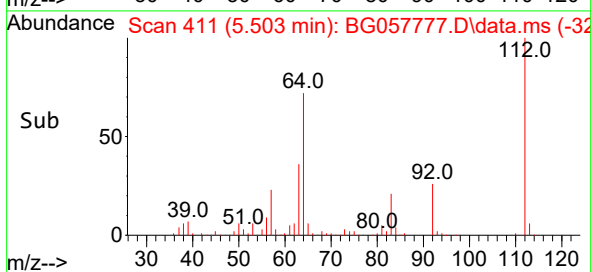
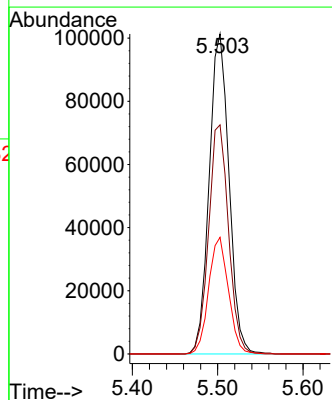
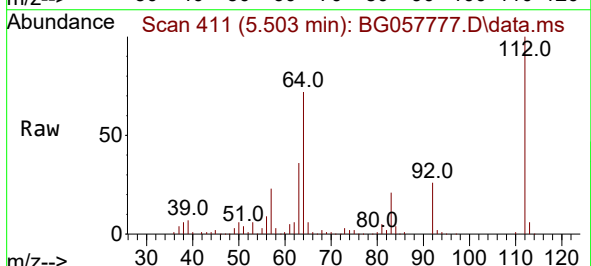
Instrument :
BNA_G
ClientSampleId :
SB-01-4.0-6.0

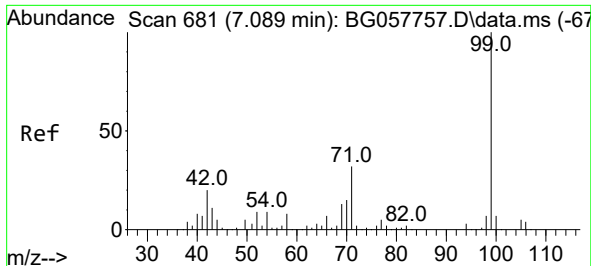
Tgt Ion:152 Resp: 44156
Ion Ratio Lower Upper
152 100
150 158.8 126.6 189.8
115 61.1 48.9 73.3



#5
2-Fluorophenol
Concen: 57.055 ng
RT: 5.503 min Scan# 411
Delta R.T. 0.006 min
Lab File: BG057777.D
Acq: 20 Jun 2023 15:30

Tgt Ion:112 Resp: 163389
Ion Ratio Lower Upper
112 100
64 71.6 62.1 93.1
63 36.5 31.5 47.3

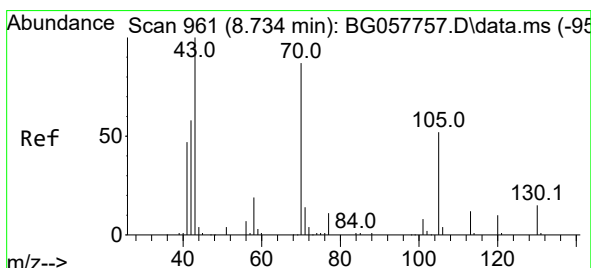
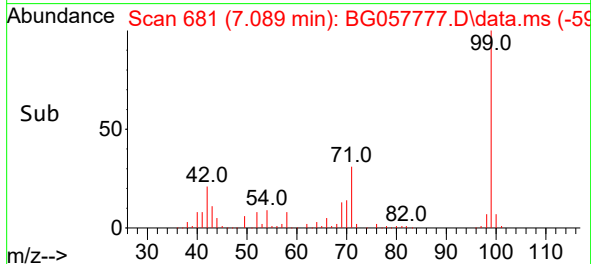
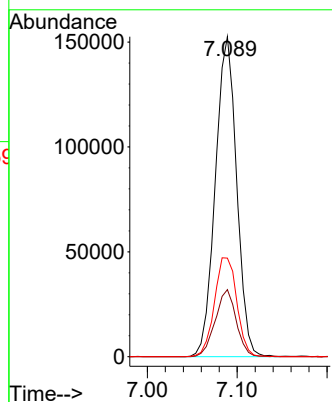
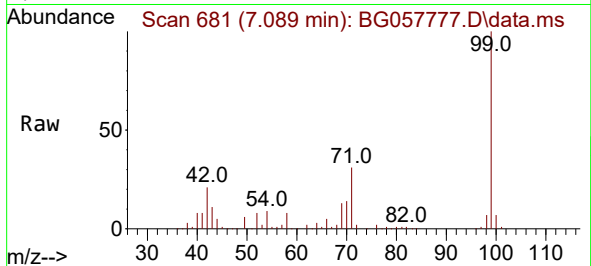




#7
Phenol-d6
Concen: 57.465 ng
RT: 7.089 min Scan# 61
Delta R.T. 0.000 min
Lab File: BG057777.D
Acq: 20 Jun 2023 15:30

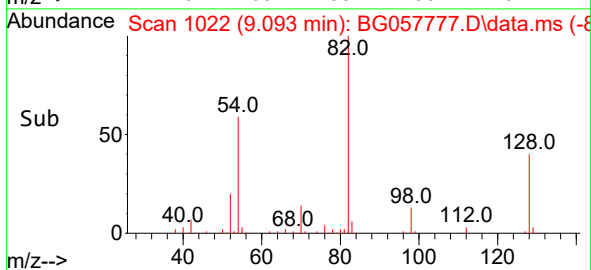
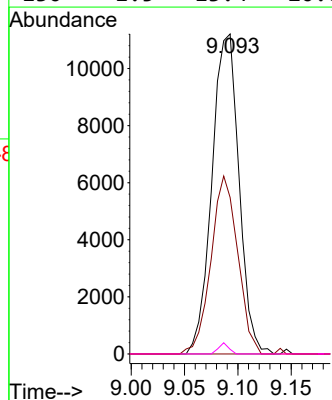
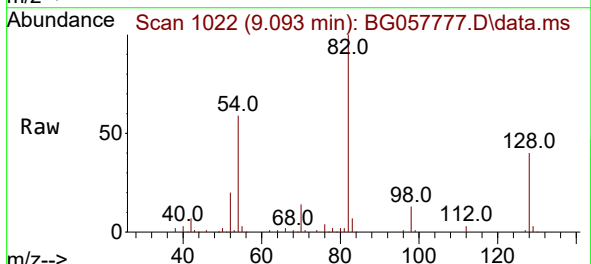
Instrument :
BNA_G
ClientSampleId :
SB-01-4.0-6.0

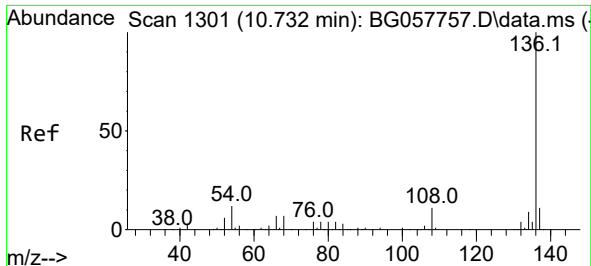
Tgt Ion: 99 Resp: 251099
Ion Ratio Lower Upper
99 100
42 21.0 16.4 24.6
71 30.8 25.8 38.6



#19
n-Nitroso-di-n-propylamine
Concen: 6.486 ng
RT: 9.093 min Scan# 1022
Delta R.T. 0.359 min
Lab File: BG057777.D
Acq: 20 Jun 2023 15:30

Tgt Ion: 70 Resp: 19758
Ion Ratio Lower Upper
70 100
42 48.9 54.2 81.2#
101 0.0 7.4 11.0#
130 1.5 13.4 20.0#

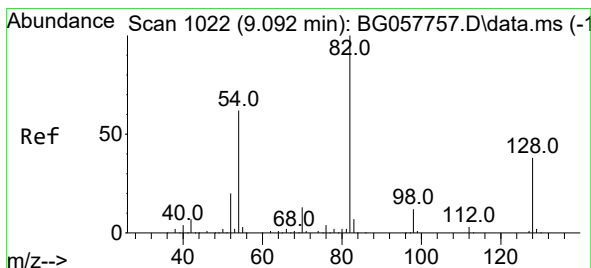
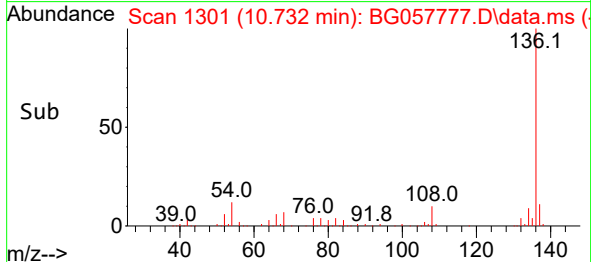
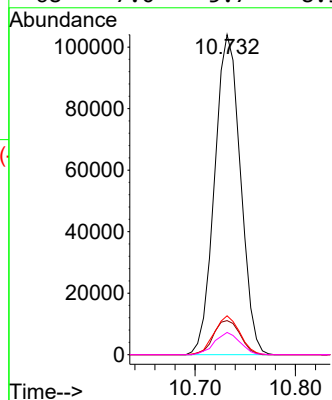
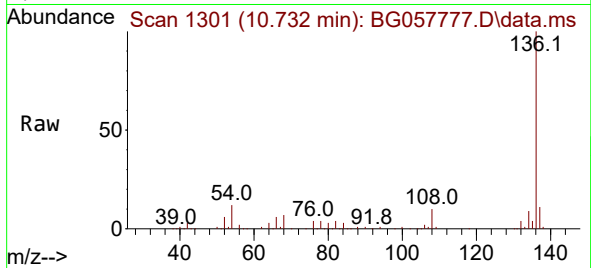




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.732 min Scan# 11
Delta R.T. 0.000 min
Lab File: BG057777.D
Acq: 20 Jun 2023 15:30

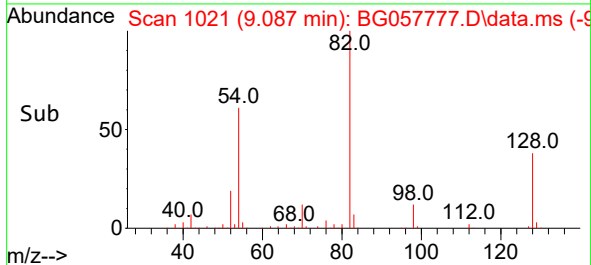
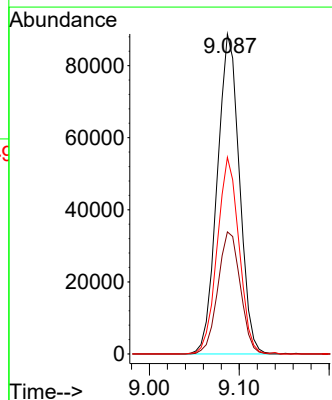
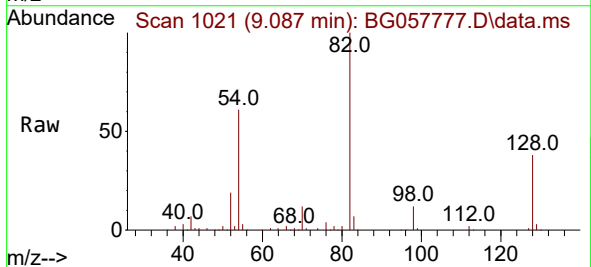
Instrument :
BNA_G
ClientSampleId :
SB-01-4.0-6.0

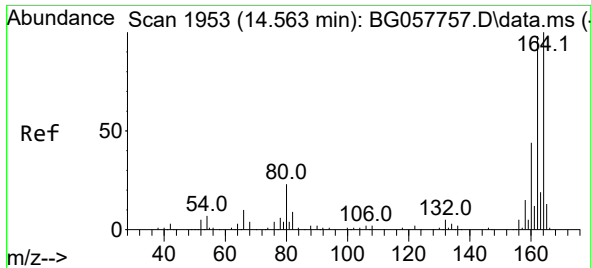
Tgt Ion:	136	Resp:	186010
Ion Ratio	Lower	Upper	
136	100		
137	10.7	8.5	12.7
54	12.2	9.5	14.3
68	7.0	5.7	8.5



#23
Nitrobenzene-d5
Concen: 41.948 ng
RT: 9.087 min Scan# 1021
Delta R.T. -0.006 min
Lab File: BG057777.D
Acq: 20 Jun 2023 15:30

Tgt Ion:	82	Resp:	152032
Ion Ratio	Lower	Upper	
82	100		
128	38.1	30.7	46.1
54	61.5	49.6	74.4

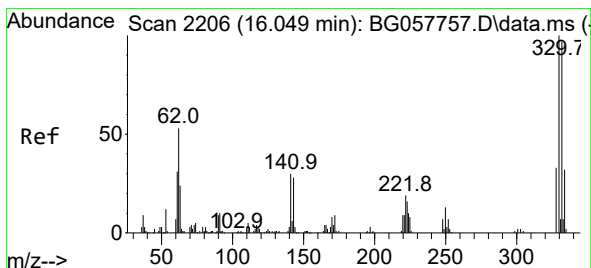
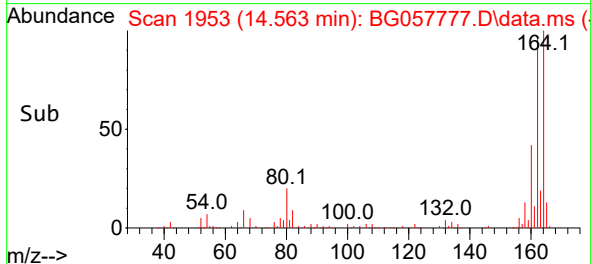
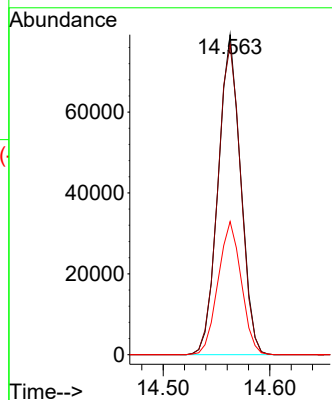
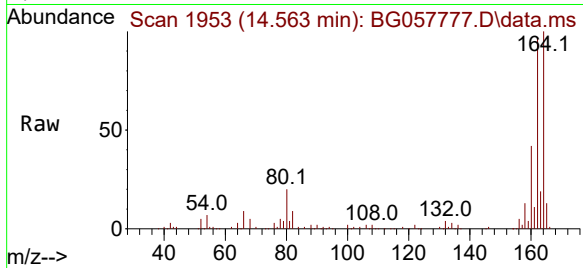




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.563 min Scan# 1953
Delta R.T. 0.000 min
Lab File: BG057777.D
Acq: 20 Jun 2023 15:30

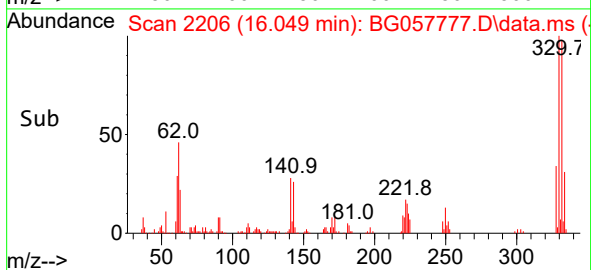
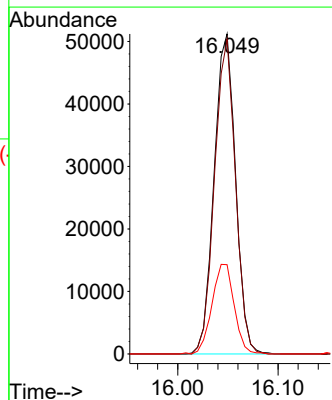
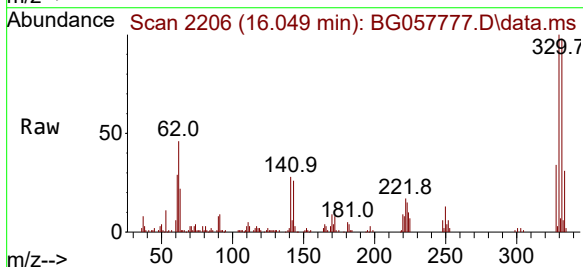
Instrument :
BNA_G
ClientSampleId :
SB-01-4.0-6.0

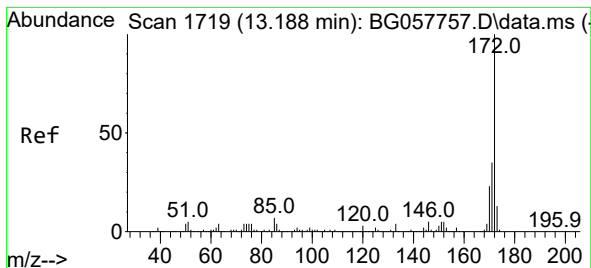
Tgt Ion:164 Resp: 115487
Ion Ratio Lower Upper
164 100
162 96.8 78.3 117.5
160 41.6 35.4 53.0



#42
2,4,6-Tribromophenol
Concen: 47.217 ng
RT: 16.049 min Scan# 2206
Delta R.T. 0.000 min
Lab File: BG057777.D
Acq: 20 Jun 2023 15:30

Tgt Ion:330 Resp: 75959
Ion Ratio Lower Upper
330 100
332 95.9 76.6 115.0
141 29.1 24.7 37.1





#45

2-Fluorobiphenyl

Concen: 42.500 ng

RT: 13.188 min Scan# 1

Delta R.T. 0.000 min

Lab File: BG057777.D

Acq: 20 Jun 2023 15:30

Instrument :

BNA_G

ClientSampleId :

SB-01-4.0-6.0

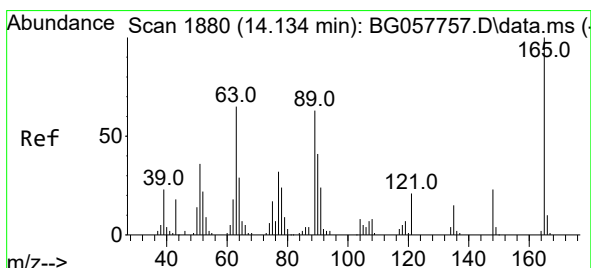
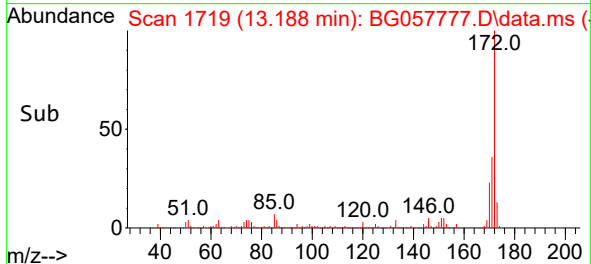
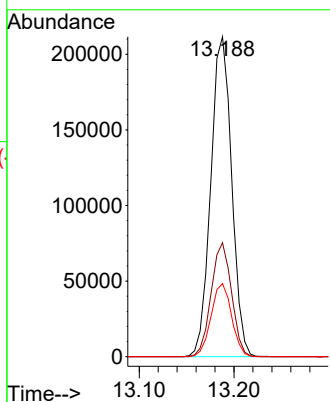
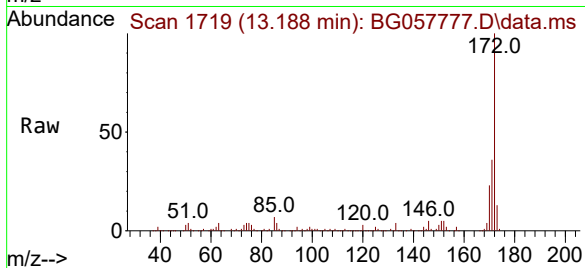
Tgt Ion:172 Resp: 323598

Ion Ratio Lower Upper

172 100

171 35.6 28.1 42.1

170 22.8 18.6 27.8



#51

2,6-Dinitrotoluene

Concen: 9.096 ng

RT: 14.563 min Scan# 1953

Delta R.T. 0.429 min

Lab File: BG057777.D

Acq: 20 Jun 2023 15:30

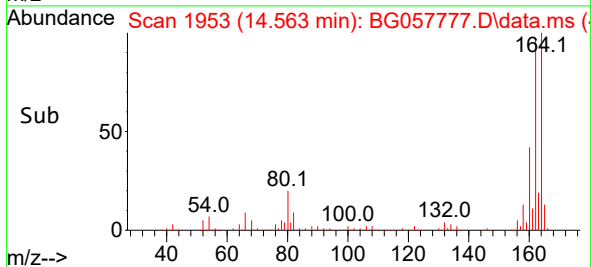
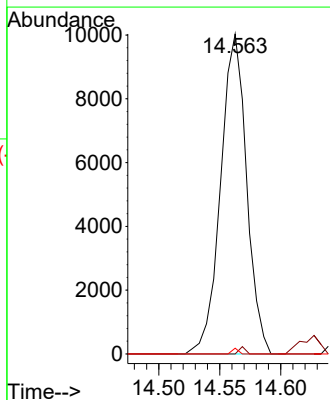
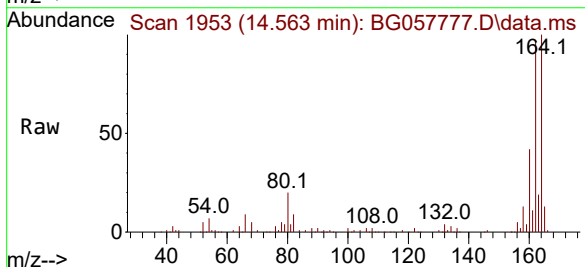
Tgt Ion:165 Resp: 14857

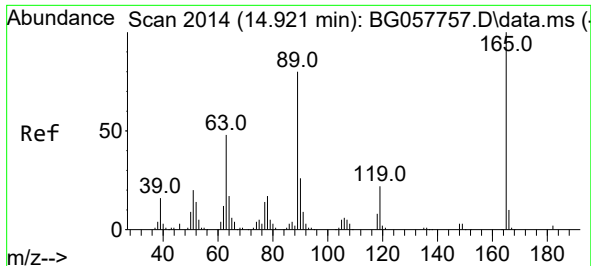
Ion Ratio Lower Upper

165 100

63 0.0 52.8 79.2#

89 1.8 50.7 76.1#





#57

2,4-Dinitrotoluene

Concen: 6.707 ng

RT: 14.563 min Scan# 1953

Delta R.T. -0.358 min

Lab File: BG057777.D

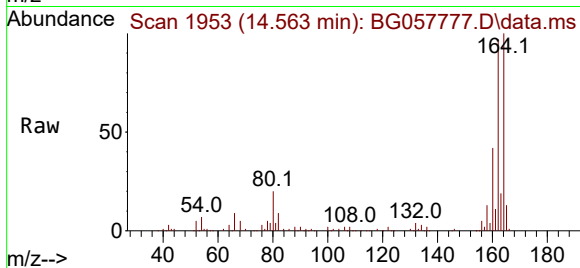
Acq: 20 Jun 2023 15:30

Instrument :

BNA_G

ClientSampleId :

SB-01-4.0-6.0



Tgt Ion:165 Resp: 14857

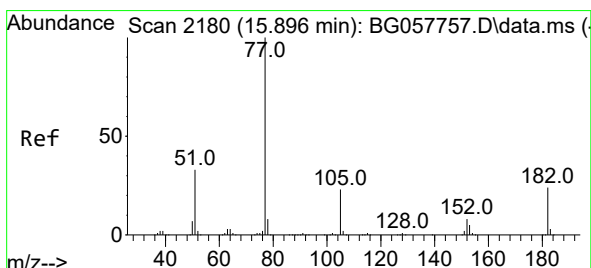
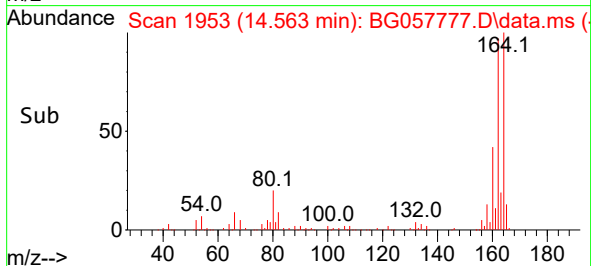
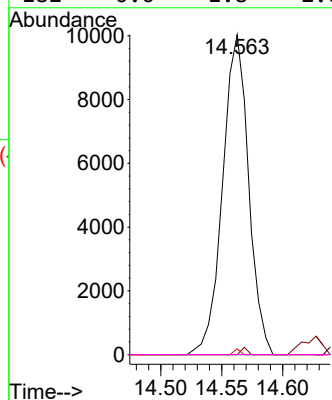
Ion Ratio Lower Upper

165 100

63 0.0 38.6 58.0#

89 1.8 63.7 95.5#

182 0.0 1.8 2.6#



#63

Azobenzene

Concen: 2.762 ng

RT: 15.914 min Scan# 2183

Delta R.T. 0.018 min

Lab File: BG057777.D

Acq: 20 Jun 2023 15:30

Tgt Ion: 77 Resp: 25709

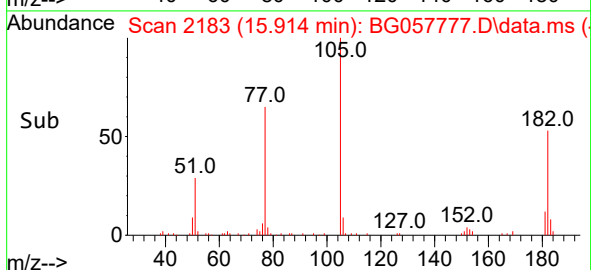
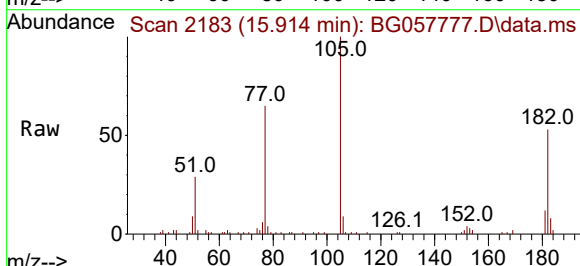
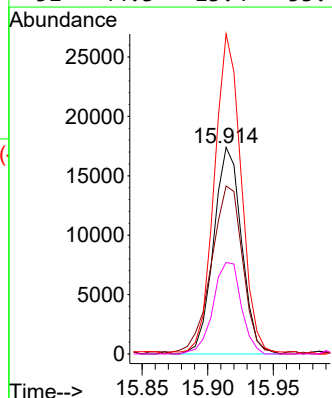
Ion Ratio Lower Upper

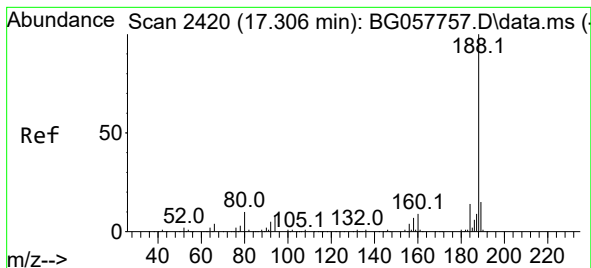
77 100

182 81.4 4.1 44.1#

105 154.9 3.3 43.3#

51 44.3 13.4 53.4





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.307 min Scan# 24

Delta R.T. 0.000 min

Lab File: BG057777.D

Acq: 20 Jun 2023 15:30

Instrument :

BNA_G

ClientSampleId :

SB-01-4.0-6.0

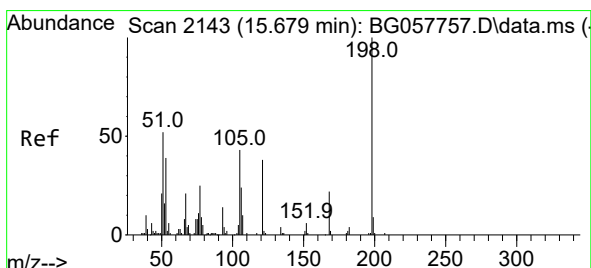
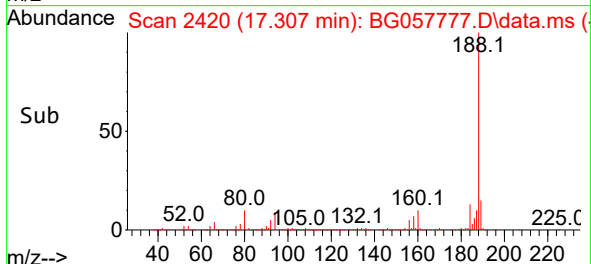
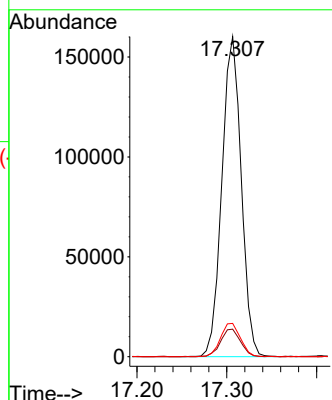
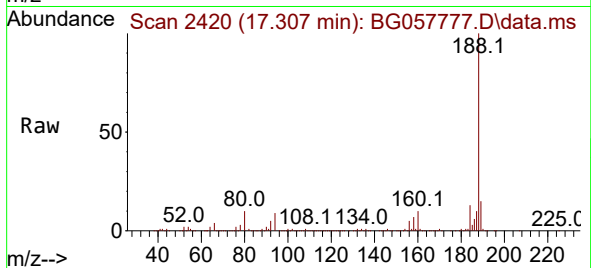
Tgt Ion:188 Resp: 239373

Ion Ratio Lower Upper

188 100

94 8.6 6.6 9.8

80 10.4 7.6 11.4



#65

4,6-Dinitro-2-methylphenol

Concen: 5.412 ng

RT: 16.037 min Scan# 2204

Delta R.T. 0.358 min

Lab File: BG057777.D

Acq: 20 Jun 2023 15:30

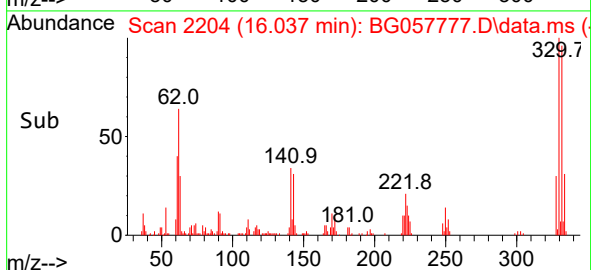
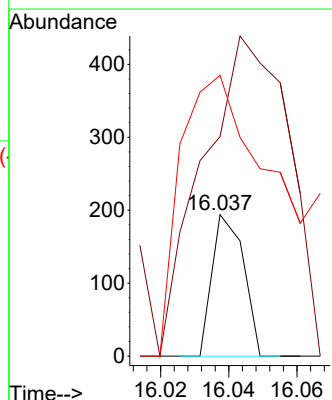
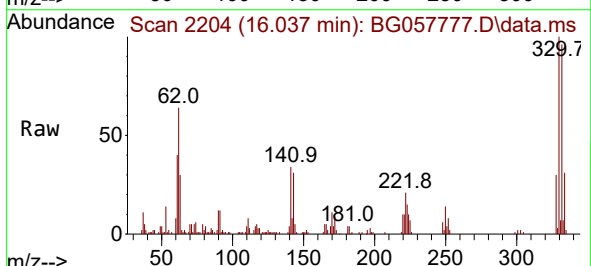
Tgt Ion:198 Resp: 124

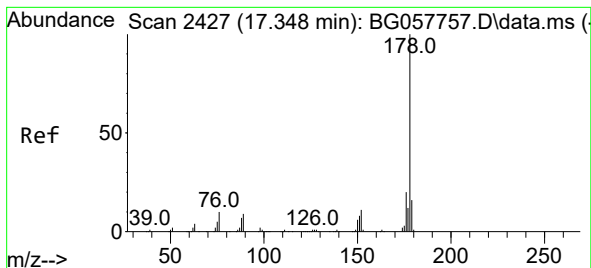
Ion Ratio Lower Upper

198 100

51 155.2 36.6 76.6#

105 198.5 24.3 64.3#





#71

Phenanthrene

Concen: 20.730 ng

RT: 17.348 min Scan# 2427

Delta R.T. 0.000 min

Lab File: BG057777.D

Acq: 20 Jun 2023 15:30

Instrument :

BNA_G

ClientSampleId :

SB-01-4.0-6.0

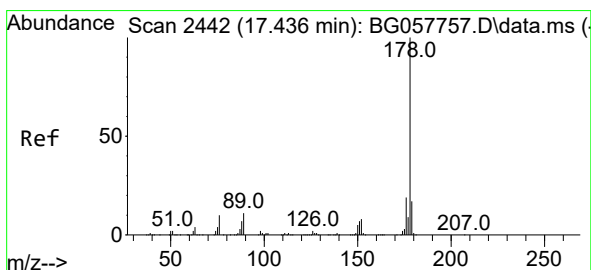
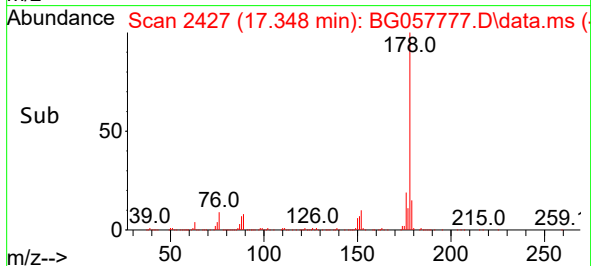
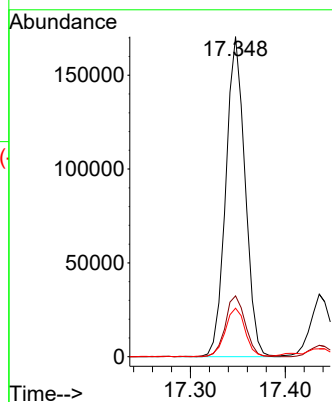
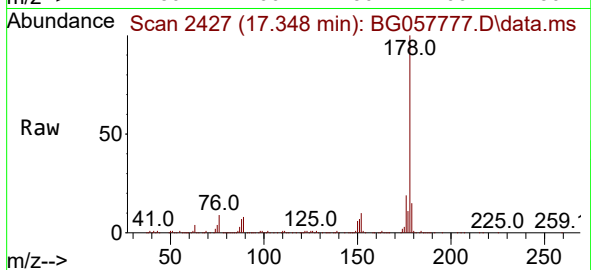
Tgt Ion:178 Resp: 240262

Ion Ratio Lower Upper

178 100

176 19.0 16.3 24.5

179 15.2 13.0 19.6



#72

Anthracene

Concen: 20.301 ng

RT: 17.348 min Scan# 2427

Delta R.T. -0.088 min

Lab File: BG057777.D

Acq: 20 Jun 2023 15:30

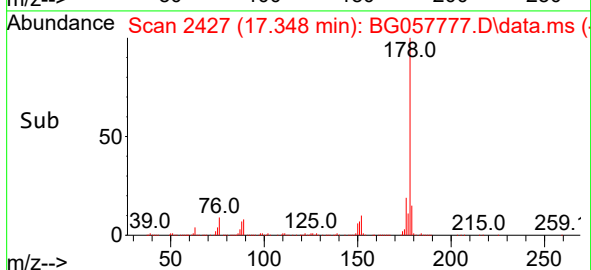
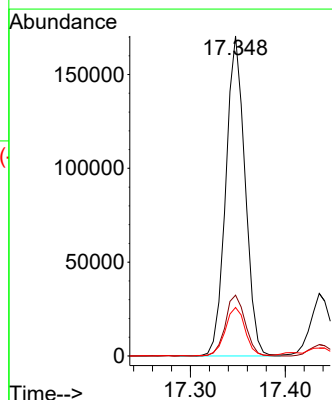
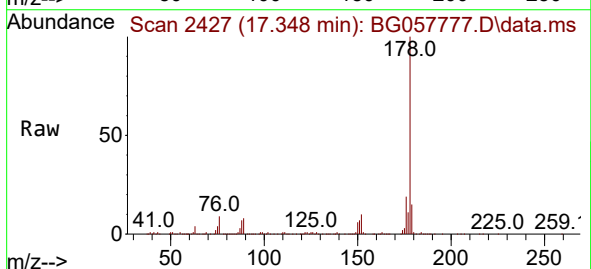
Tgt Ion:178 Resp: 240262

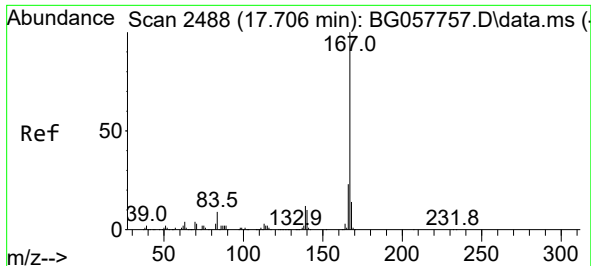
Ion Ratio Lower Upper

178 100

176 19.0 15.4 23.0

179 15.2 13.3 19.9

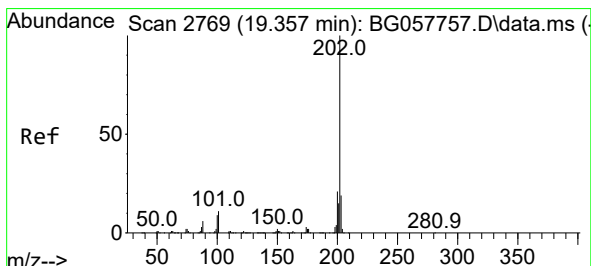
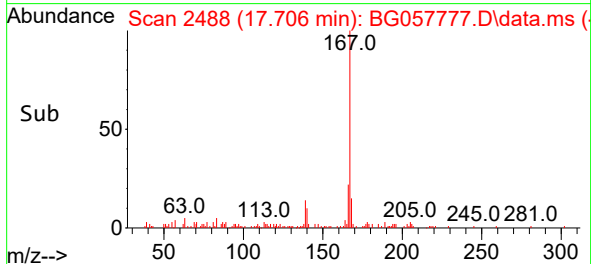
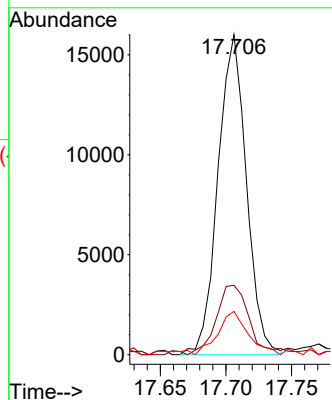
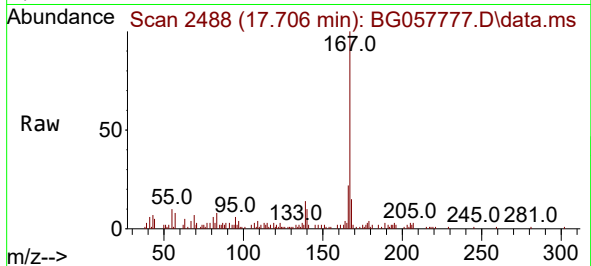




#73
 Carbazole
 Concen: 2.210 ng
 RT: 17.706 min Scan# 2488
 Delta R.T. 0.000 min
 Lab File: BG057777.D
 Acq: 20 Jun 2023 15:30

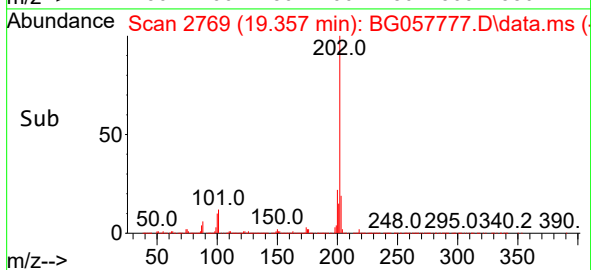
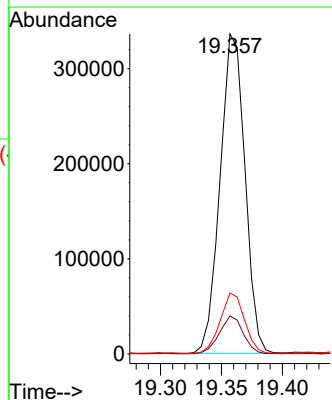
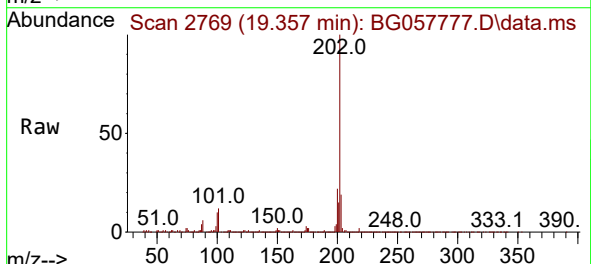
Instrument :
 BNA_G
 ClientSampleId :
 SB-01-4.0-6.0

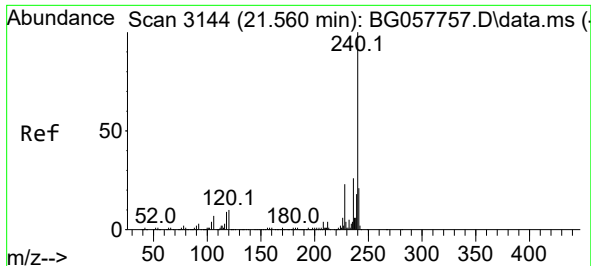
Tgt Ion:167 Resp: 24114
 Ion Ratio Lower Upper
 167 100
 166 21.7 18.4 27.6
 139 13.5 9.9 14.9



#75
 Fluoranthene
 Concen: 34.622 ng
 RT: 19.357 min Scan# 2769
 Delta R.T. 0.000 min
 Lab File: BG057777.D
 Acq: 20 Jun 2023 15:30

Tgt Ion:202 Resp: 478033
 Ion Ratio Lower Upper
 202 100
 101 11.9 0.0 31.3
 203 19.0 0.0 38.7

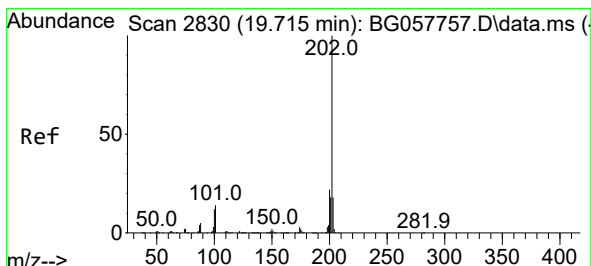
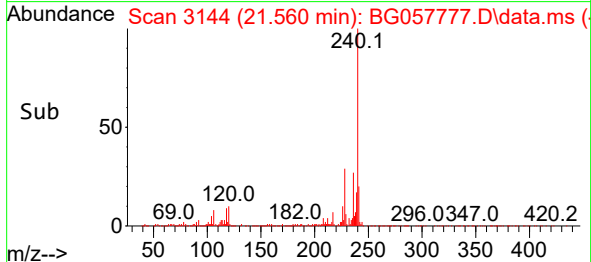
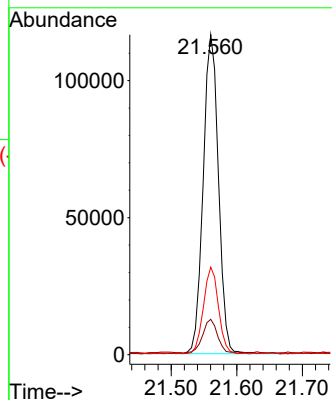
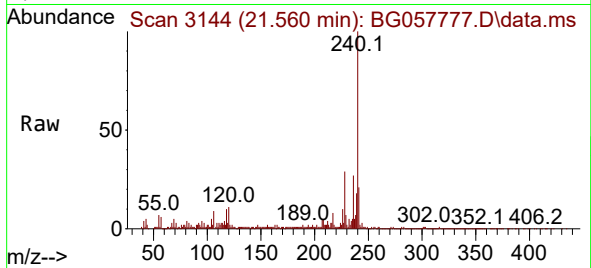




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.560 min Scan# 3144
Delta R.T. 0.000 min
Lab File: BG057777.D
Acq: 20 Jun 2023 15:30

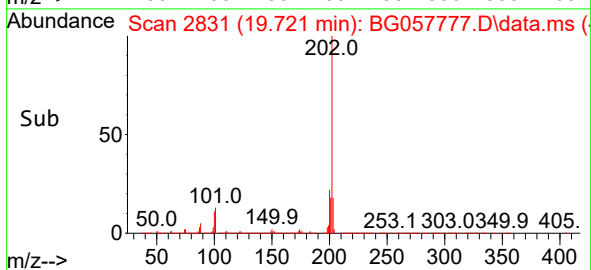
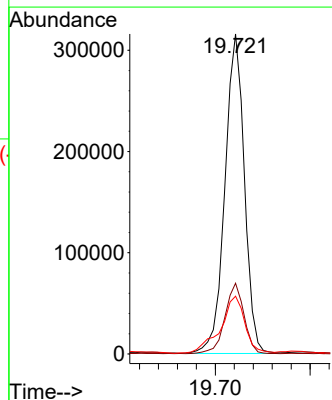
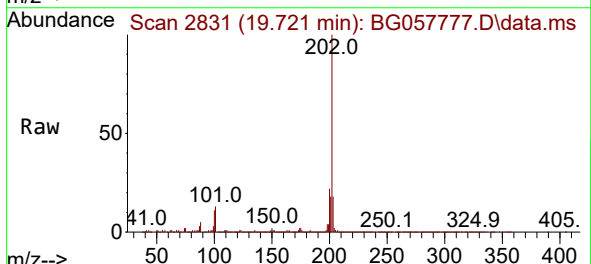
Instrument :
BNA_G
ClientSampleId :
SB-01-4.0-6.0

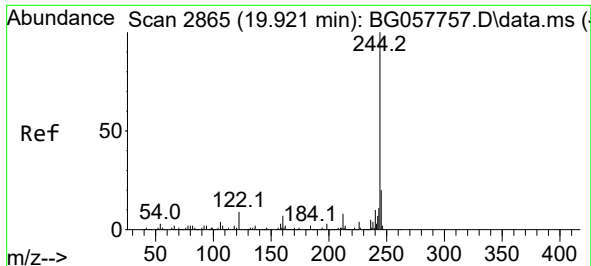
Tgt Ion:240 Resp: 189111
Ion Ratio Lower Upper
240 100
120 11.0 8.1 12.1
236 27.4 20.6 30.8



#78
Pyrene
Concen: 33.416 ng
RT: 19.721 min Scan# 2831
Delta R.T. 0.006 min
Lab File: BG057777.D
Acq: 20 Jun 2023 15:30

Tgt Ion:202 Resp: 450793
Ion Ratio Lower Upper
202 100
200 22.1 17.4 26.0
203 18.1 14.6 22.0

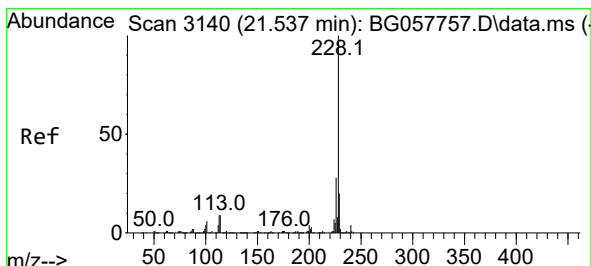
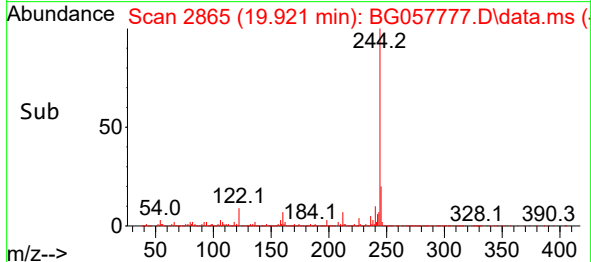
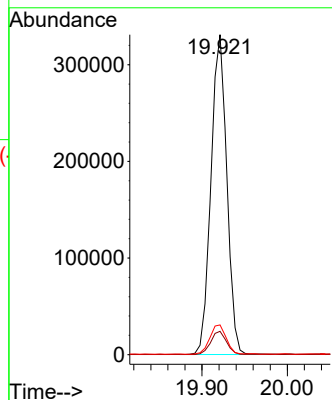
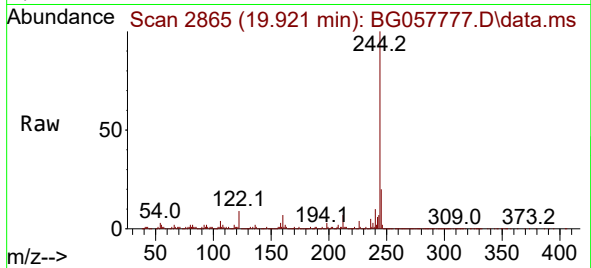




#79
 Terphenyl-d14
 Concen: 42.061 ng
 RT: 19.921 min Scan# 21
 Delta R.T. 0.000 min
 Lab File: BG057777.D
 Acq: 20 Jun 2023 15:30

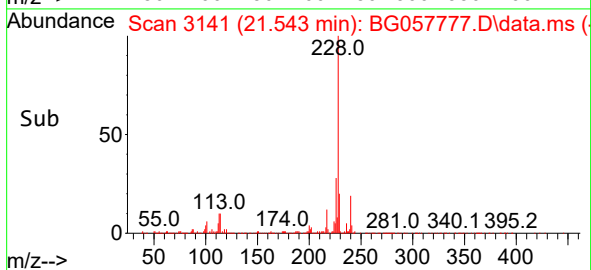
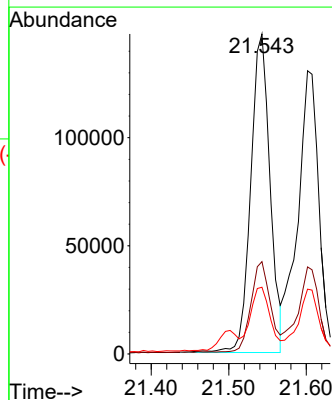
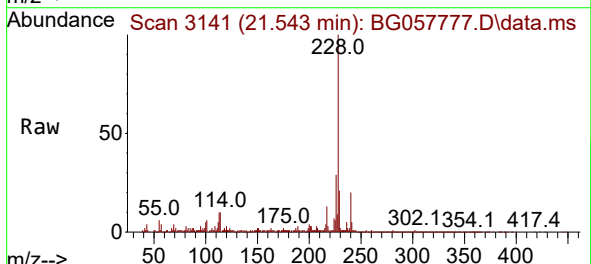
Instrument :
 BNA_G
 ClientSampleId :
 SB-01-4.0-6.0

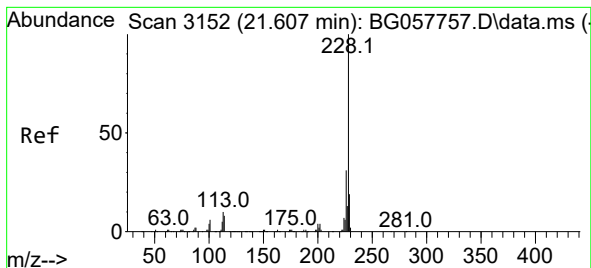
Tgt Ion:244 Resp: 426577
 Ion Ratio Lower Upper
 244 100
 212 7.3 6.1 9.1
 122 9.3 7.6 11.4



#81
 Benzo(a)anthracene
 Concen: 19.625 ng
 RT: 21.543 min Scan# 3141
 Delta R.T. 0.006 min
 Lab File: BG057777.D
 Acq: 20 Jun 2023 15:30

Tgt Ion:228 Resp: 254635
 Ion Ratio Lower Upper
 228 100
 226 28.8 22.3 33.5
 229 20.8 16.3 24.5





#83

Chrysene

Concen: 19.853 ng

RT: 21.601 min Scan# 31

Delta R.T. -0.006 min

Lab File: BG057777.D

Acq: 20 Jun 2023 15:30

Instrument :

BNA_G

ClientSampleId :

SB-01-4.0-6.0

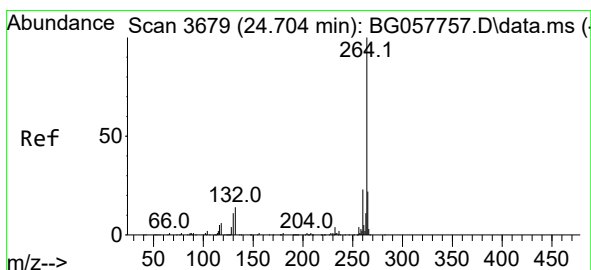
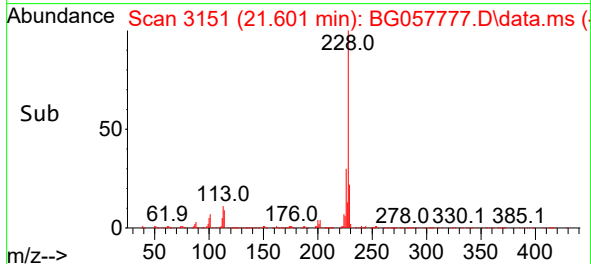
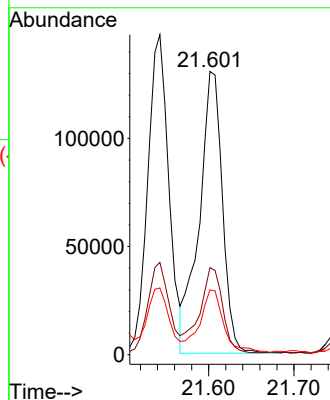
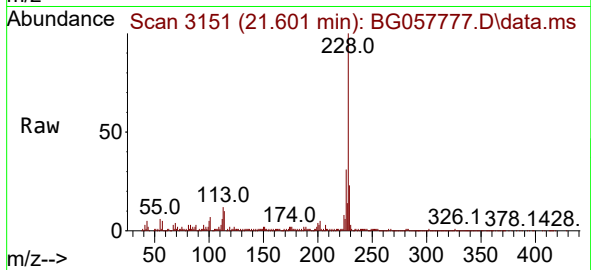
Tgt Ion:228 Resp: 247199

Ion Ratio Lower Upper

228 100

226 30.7 24.8 37.2

229 22.9 15.6 23.4



#86

Perylene-d12

Concen: 20.000 ng

RT: 24.715 min Scan# 3681

Delta R.T. 0.012 min

Lab File: BG057777.D

Acq: 20 Jun 2023 15:30

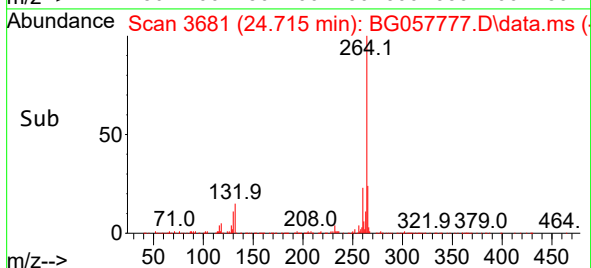
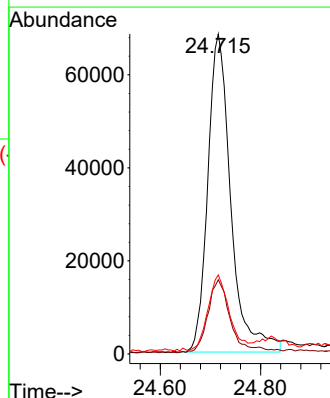
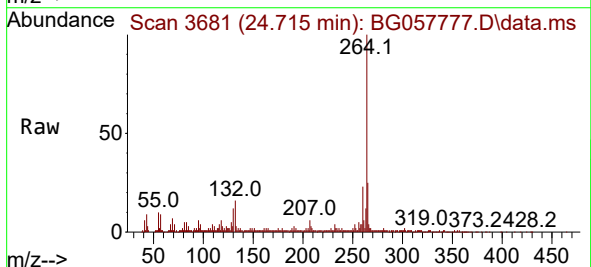
Tgt Ion:264 Resp: 218245

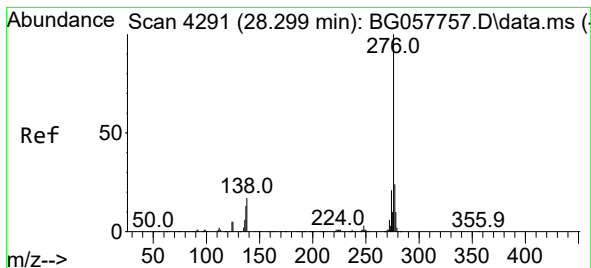
Ion Ratio Lower Upper

264 100

260 23.2 18.5 27.7

265 24.7 17.4 26.2





#87

Indeno(1,2,3-cd)pyrene

Concen: 7.121 ng

RT: 28.305 min Scan# 41

Delta R.T. 0.006 min

Lab File: BG057777.D

Acq: 20 Jun 2023 15:30

Instrument :

BNA_G

ClientSampleId :

SB-01-4.0-6.0

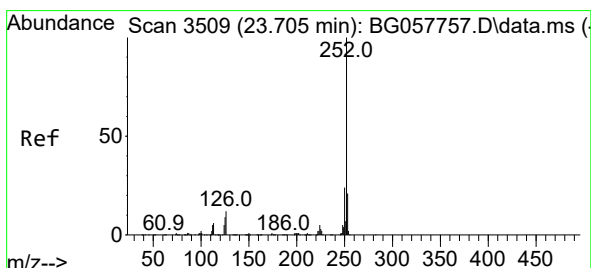
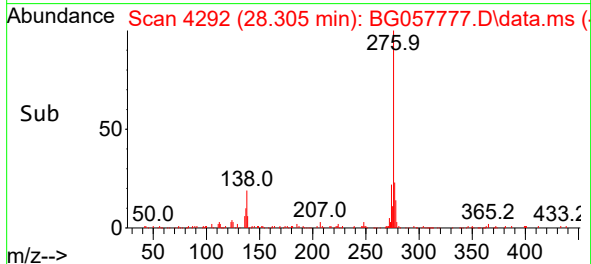
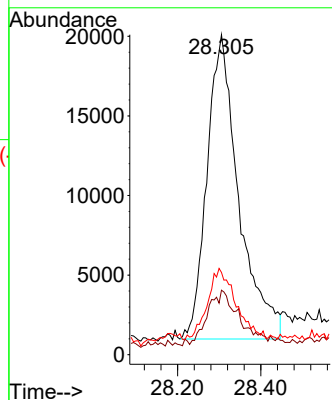
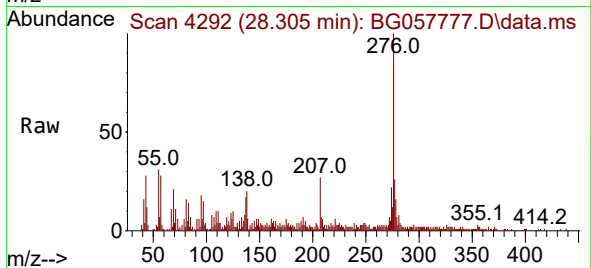
Tgt Ion:276 Resp: 101612

Ion Ratio Lower Upper

276 100

138 17.3 11.3 16.9#

277 21.6 20.4 30.6



#88

Benzo(b)fluoranthene

Concen: 24.637 ng

RT: 23.717 min Scan# 3511

Delta R.T. 0.012 min

Lab File: BG057777.D

Acq: 20 Jun 2023 15:30

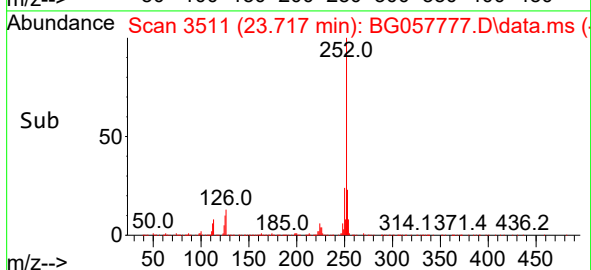
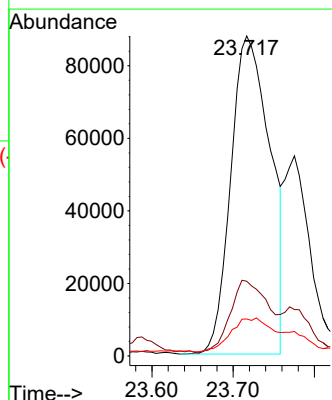
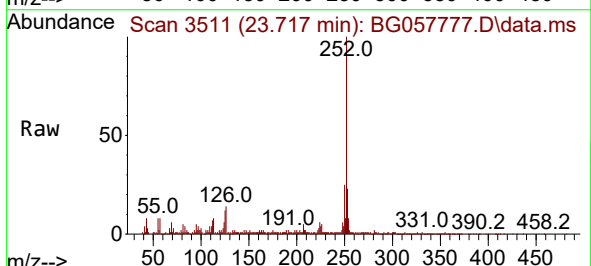
Tgt Ion:252 Resp: 294646

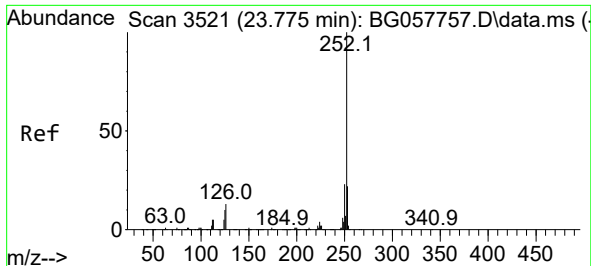
Ion Ratio Lower Upper

252 100

253 23.3 17.1 25.7

125 11.6 7.4 11.0#

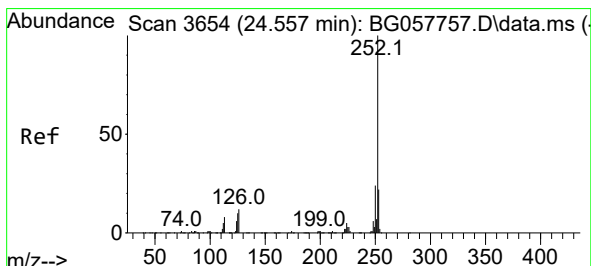
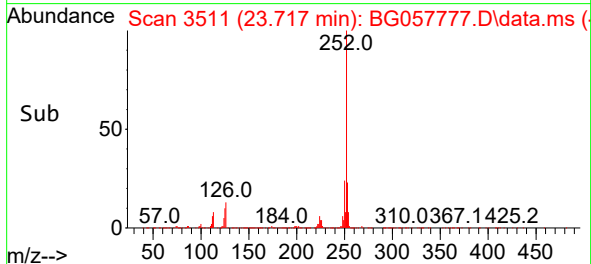
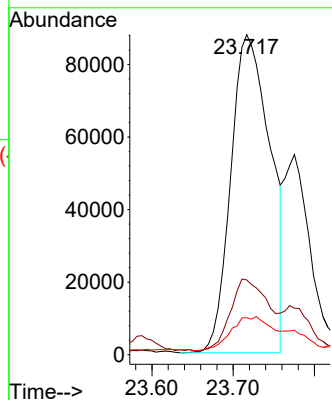
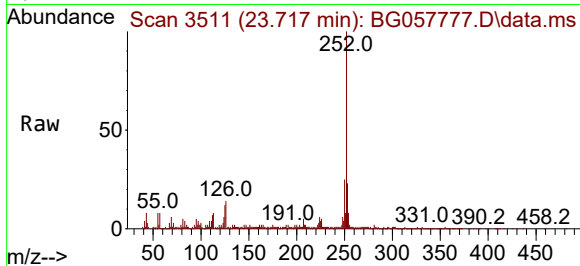




#89
Benzo(k)fluoranthene
Concen: 24.190 ng
RT: 23.717 min Scan# 3511
Delta R.T. -0.059 min
Lab File: BG057777.D
Acq: 20 Jun 2023 15:30

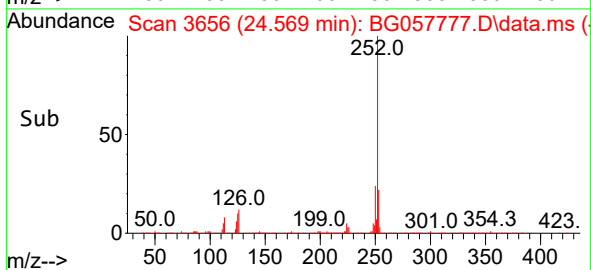
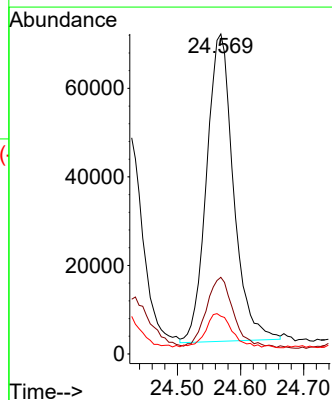
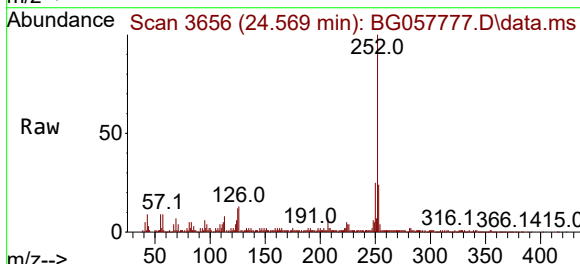
Instrument :
BNA_G
ClientSampleId :
SB-01-4.0-6.0

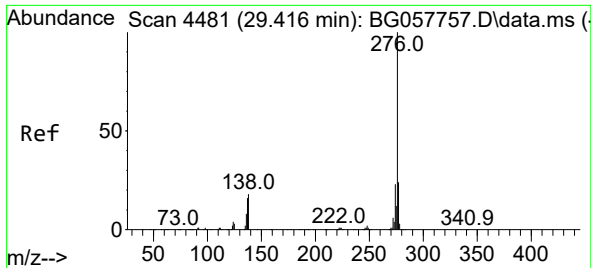
Tgt Ion:252 Resp: 294646
Ion Ratio Lower Upper
252 100
253 23.3 18.0 27.0
125 11.6 7.6 11.4#



#90
Benzo(a)pyrene
Concen: 17.454 ng
RT: 24.569 min Scan# 3656
Delta R.T. 0.012 min
Lab File: BG057777.D
Acq: 20 Jun 2023 15:30

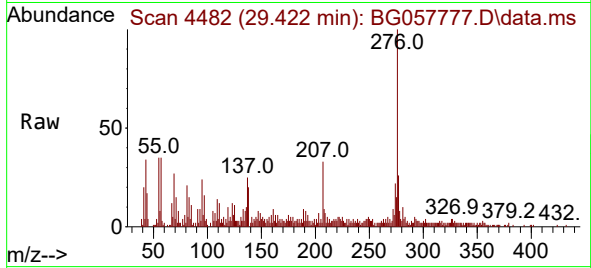
Tgt Ion:252 Resp: 205005
Ion Ratio Lower Upper
252 100
253 24.0 17.4 26.2
125 11.8 8.0 12.0





#92
Benzo(g,h,i)perylene
Concen: 7.088 ng
RT: 29.422 min Scan# 44
Delta R.T. 0.006 min
Lab File: BG057777.D
Acq: 20 Jun 2023 15:30

Instrument :
BNA_G
ClientSampleId :
SB-01-4.0-6.0



Tgt Ion:	276	Resp:	84024
Ion	Ratio	Lower	Upper
276	100		
277	26.1	19.4	29.0
138	19.5	14.2	21.4

