

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG042623\
 Data File : BG057193.D
 Acq On : 26 Apr 2023 15:24
 Operator : CG/JU
 Sample : 02270-10DL 100X
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SB-27-0-2-20230411DL

Quant Time: Apr 27 03:06:20 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG042423.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Apr 27 03:02:41 2023
 Response via : Initial Calibration

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

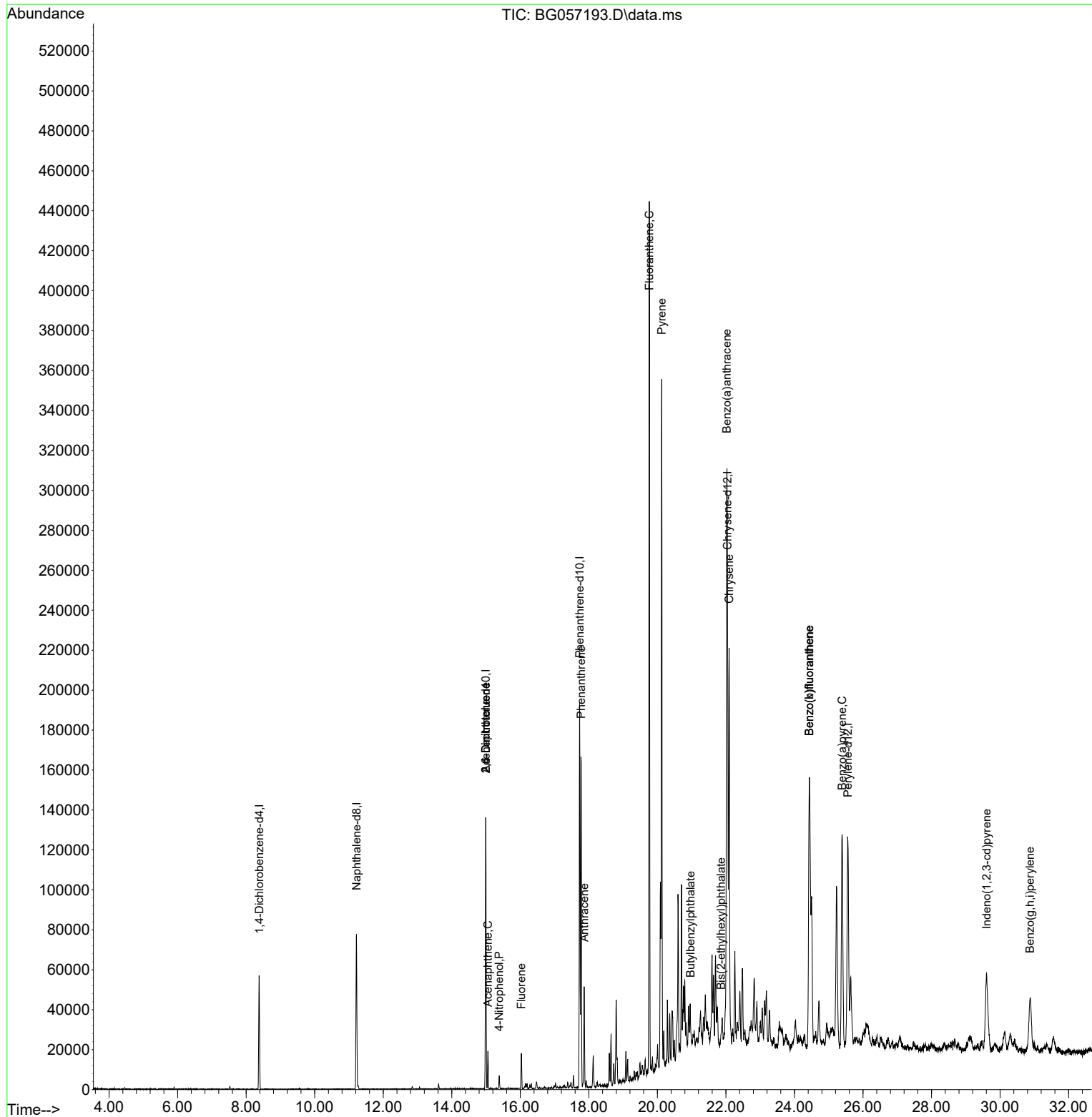
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.383	152	15916	20.000	ng	0.00
21) Naphthalene-d8	11.221	136	64823	20.000	ng	0.00
39) Acenaphthene-d10	14.992	164	48615	20.000	ng	0.00
64) Phenanthrene-d10	17.729	188	125308	20.000	ng	0.00
76) Chrysene-d12	22.047	240	119307	20.000	ng	# 0.00
86) Perylene-d12	25.560	264	125544	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.893	112	572	0.651	ng	0.00
7) Phenol-d6	7.526	99	973	0.766	ng	0.00
23) Nitrobenzene-d5	9.564	82	510	0.389	ng	0.00
42) 2,4,6-Tribromophenol	16.472	330	369	0.575	ng	0.00
45) 2-Fluorobiphenyl	13.617	172	1804	0.499	ng	0.00
79) Terphenyl-d14	20.297	244	3767	0.552	ng	0.00
Target Compounds						
						Qvalue
51) 2,6-Dinitrotoluene	14.992	165	6678	9.377	ng	# 21
52) Acenaphthene	15.057	154	7758	2.735	ng	90
56) 4-Nitrophenol	15.386	139	1866	3.749	ng	# 2
57) 2,4-Dinitrotoluene	14.992	165	6678	6.885	ng	# 21
58) Fluorene	16.032	166	8118	2.194	ng	# 94
71) Phenanthrene	17.776	178	111359	17.408	ng	99
72) Anthracene	17.865	178	33361	5.158	ng	99
75) Fluoranthene	19.762	202	278954	35.099	ng	99
78) Pyrene	20.126	202	235893	29.122	ng	99
80) Butylbenzylphthalate	20.966	149	360	3.373	ng	# 2
81) Benzo(a)anthracene	22.024	228	168800	20.578	ng	98
83) Chrysene	22.094	228	151711	19.178	ng	96
84) Bis(2-ethylhexyl)phtha...	21.853	149	353	3.633	ng	# 53
87) Indeno(1,2,3-cd)pyrene	29.608	276	72346	8.045	ng	# 95
88) Benzo(b)fluoranthene	24.432	252	198459	25.218	ng	97
89) Benzo(k)fluoranthene	24.432	252	198459	24.380	ng	95
90) Benzo(a)pyrene	25.390	252	134083	17.298	ng	98
92) Benzo(g,h,i)perylene	30.876	276	66086	8.945	ng	# 95

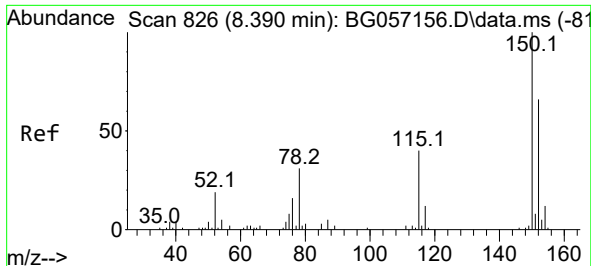
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Data File : BG057193.D
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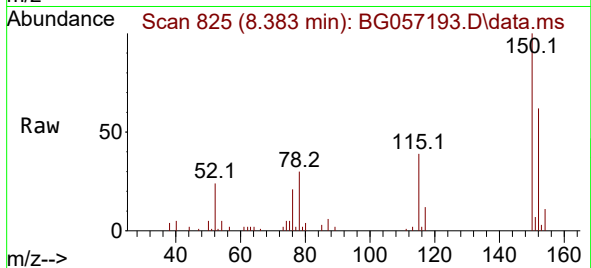
Quant Time: Apr 27 03:06:20 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG042423.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Apr 27 03:02:41 2023
Response via : Initial Calibration



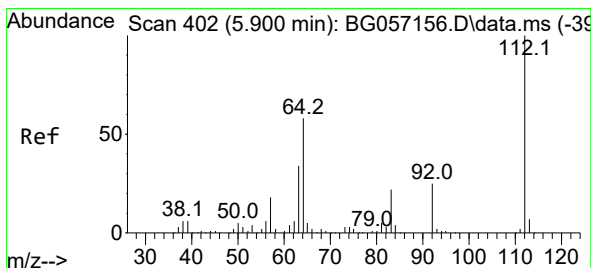
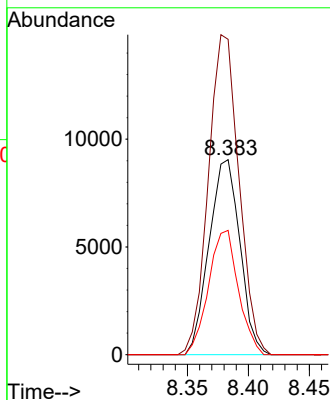
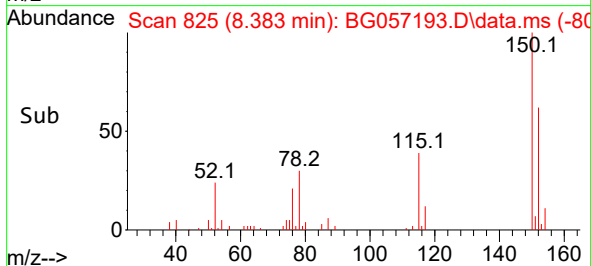


#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.383 min Scan# 81
Delta R.T. 0.000 min
Lab File: BG057193.D
Acq: 26 Apr 2023 15:24

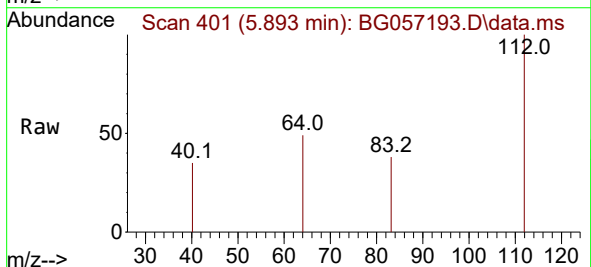
Instrument :
BNA_G
ClientSampleId :
SB-27-0-2-20230411DL



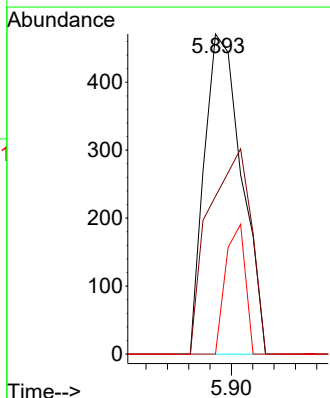
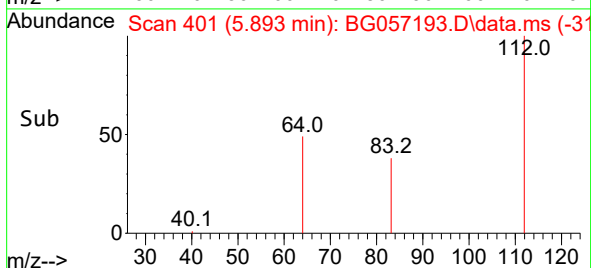
Tgt Ion:152 Resp: 15916
Ion Ratio Lower Upper
152 100
150 161.7 121.4 182.2
115 63.7 48.1 72.1

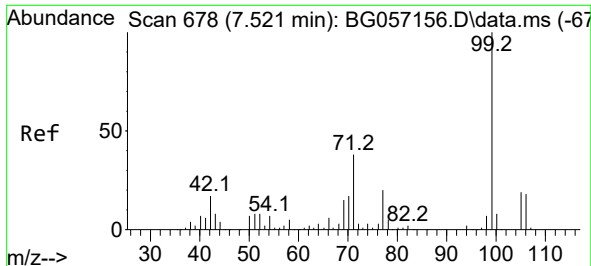


#5
2-Fluorophenol
Concen: 0.651 ng
RT: 5.893 min Scan# 401
Delta R.T. 0.000 min
Lab File: BG057193.D
Acq: 26 Apr 2023 15:24



Tgt Ion:112 Resp: 572
Ion Ratio Lower Upper
112 100
64 49.3 46.7 70.1
63 0.0 26.9 40.3#

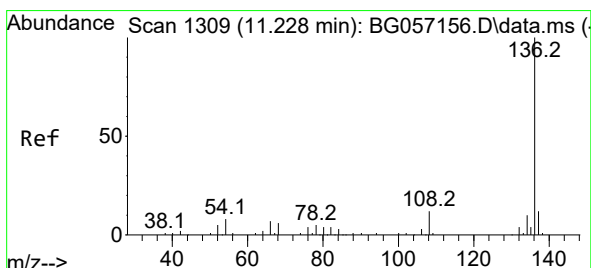
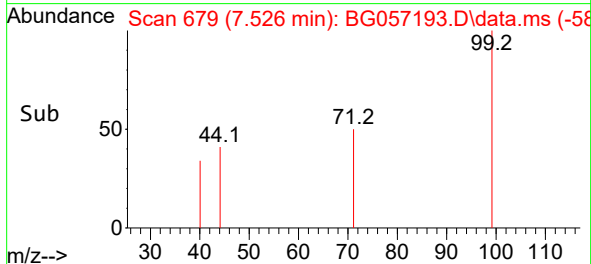
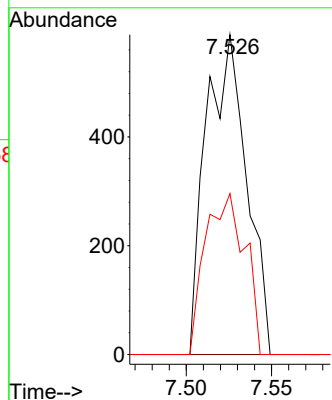
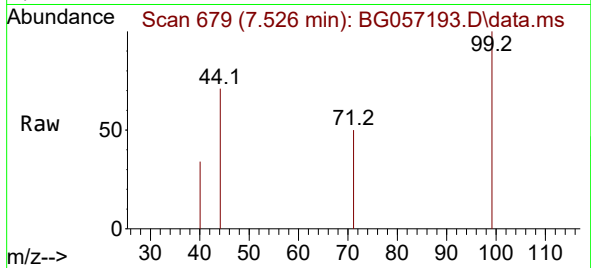




#7
Phenol-d6
Concen: 0.766 ng
RT: 7.526 min Scan# 61
Delta R.T. 0.006 min
Lab File: BG057193.D
Acq: 26 Apr 2023 15:24

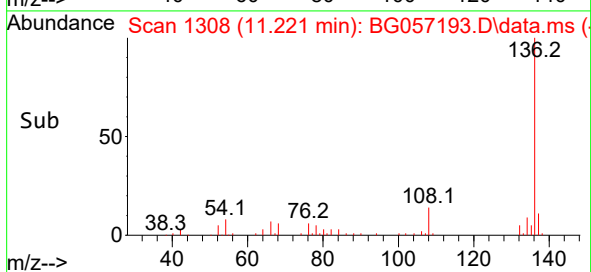
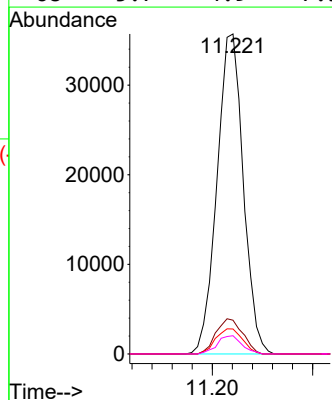
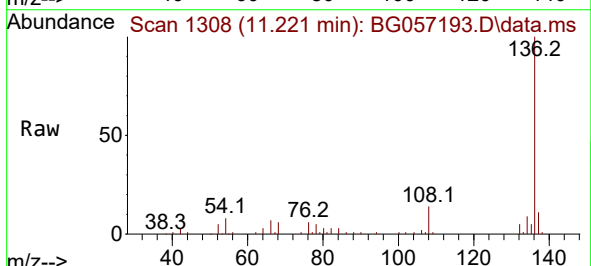
Instrument :
BNA_G
ClientSampleId :
SB-27-0-2-20230411DL

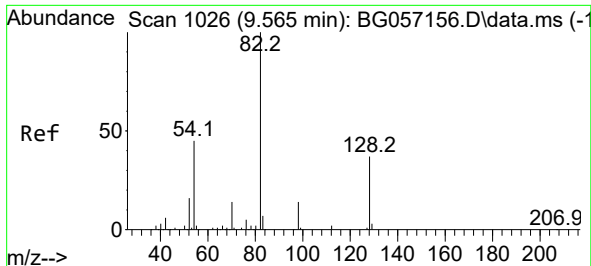
Tgt Ion: 99 Resp: 973
Ion Ratio Lower Upper
99 100
42 0.0 13.4 20.0#
71 50.3 30.2 45.2#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.221 min Scan# 1308
Delta R.T. 0.000 min
Lab File: BG057193.D
Acq: 26 Apr 2023 15:24

Tgt Ion: 136 Resp: 64823
Ion Ratio Lower Upper
136 100
137 10.6 9.5 14.3
54 7.8 6.4 9.6
68 5.7 4.9 7.3

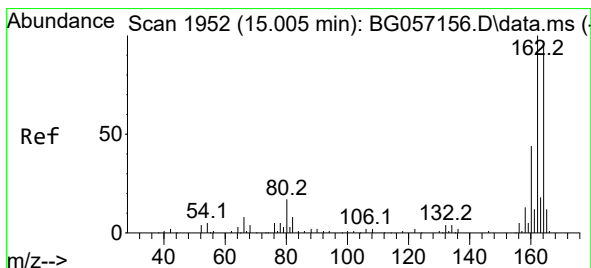
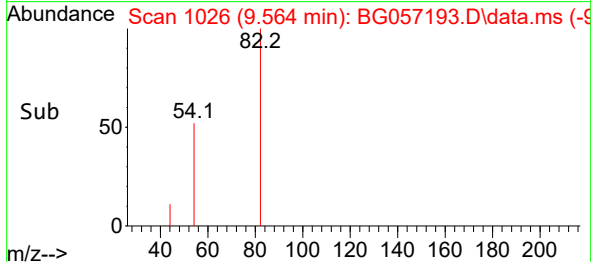
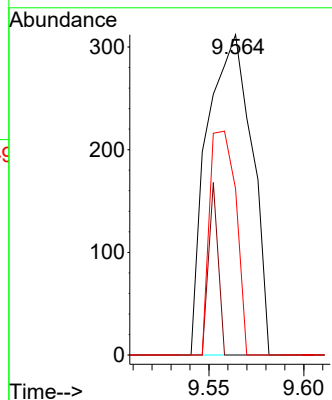
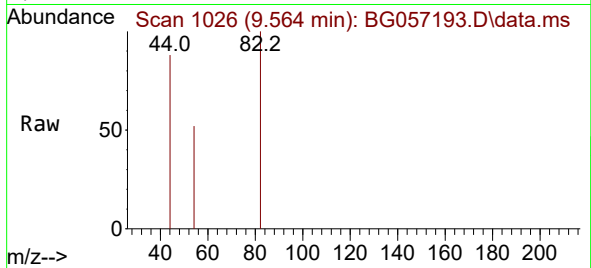




#23
Nitrobenzene-d5
Concen: 0.389 ng
RT: 9.564 min Scan# 1026
Delta R.T. 0.006 min
Lab File: BG057193.D
Acq: 26 Apr 2023 15:24

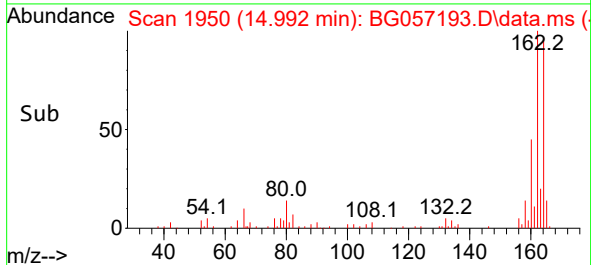
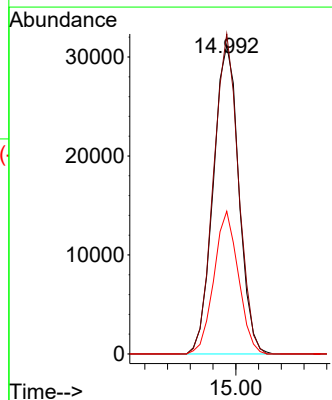
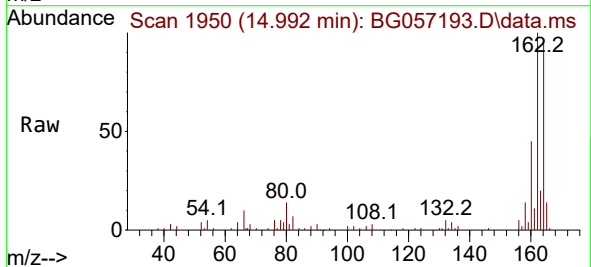
Instrument :
BNA_G
ClientSampleId :
SB-27-0-2-20230411DL

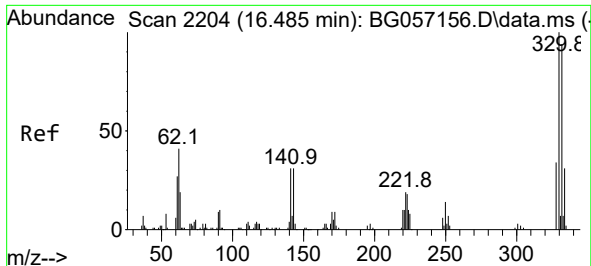
Tgt Ion: 82 Resp: 510
Ion Ratio Lower Upper
82 100
128 0.0 29.4 44.2#
54 51.9 36.2 54.2



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.992 min Scan# 1950
Delta R.T. 0.000 min
Lab File: BG057193.D
Acq: 26 Apr 2023 15:24

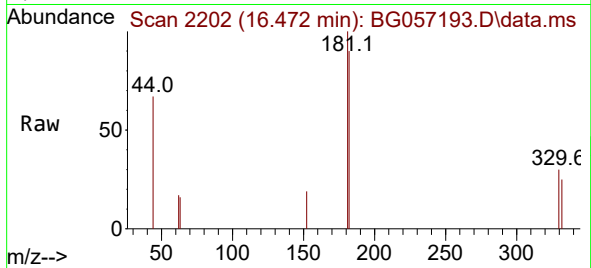
Tgt Ion:164 Resp: 48615
Ion Ratio Lower Upper
164 100
162 103.6 82.4 123.6
160 46.2 36.2 54.2



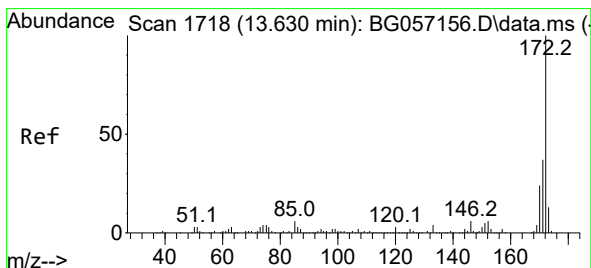
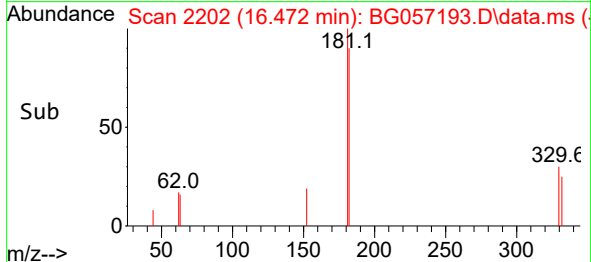
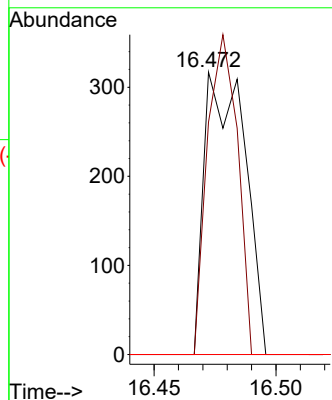


#42
2,4,6-Tribromophenol
Concen: 0.575 ng
RT: 16.472 min Scan# 21
Delta R.T. -0.006 min
Lab File: BG057193.D
Acq: 26 Apr 2023 15:24

Instrument :
BNA_G
ClientSampleId :
SB-27-0-2-20230411DL

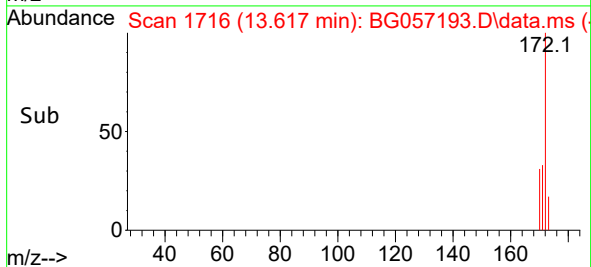
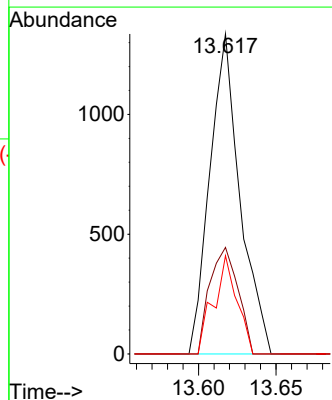
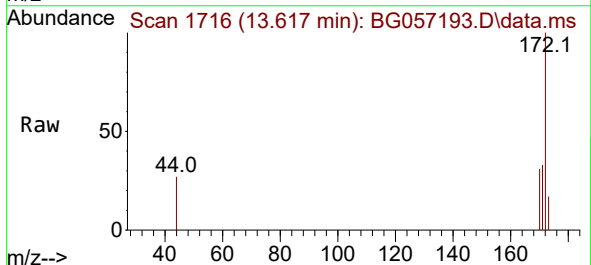


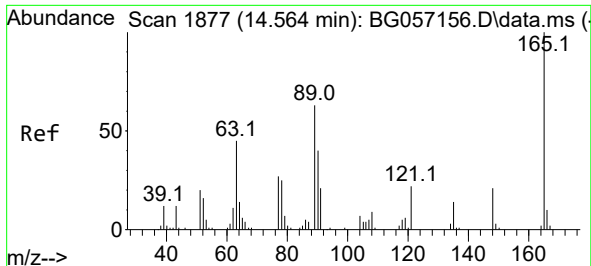
Tgt Ion:330 Resp: 369
Ion Ratio Lower Upper
330 100
332 83.5 77.6 116.4
141 0.0 26.0 39.0#



#45
2-Fluorobiphenyl
Concen: 0.499 ng
RT: 13.617 min Scan# 1716
Delta R.T. 0.000 min
Lab File: BG057193.D
Acq: 26 Apr 2023 15:24

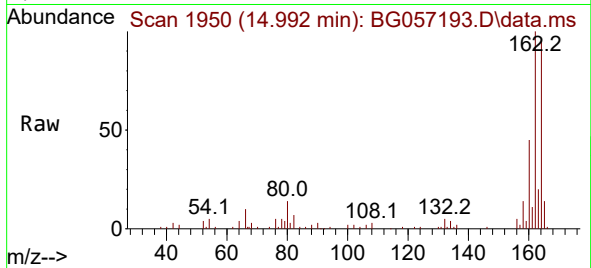
Tgt Ion:172 Resp: 1804
Ion Ratio Lower Upper
172 100
171 33.3 29.2 43.8
170 30.7 19.4 29.2#



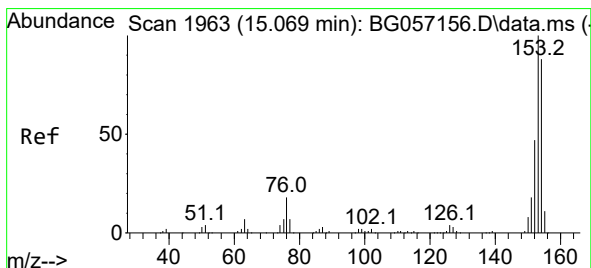
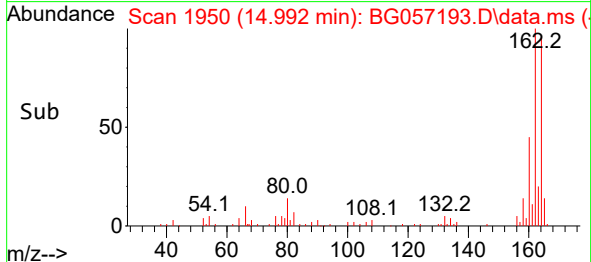
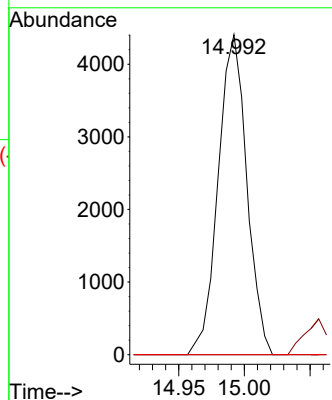


#51
2,6-Dinitrotoluene
Concen: 9.377 ng
RT: 14.992 min Scan# 1950
Delta R.T. 0.435 min
Lab File: BG057193.D
Acq: 26 Apr 2023 15:24

Instrument :
BNA_G
ClientSampleId :
SB-27-0-2-20230411DL

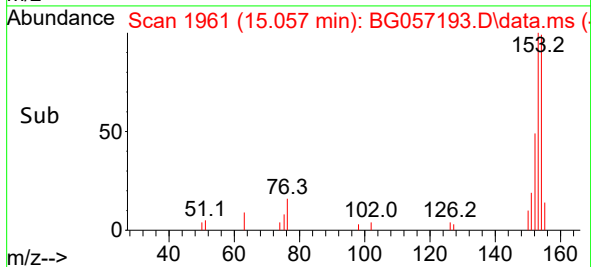
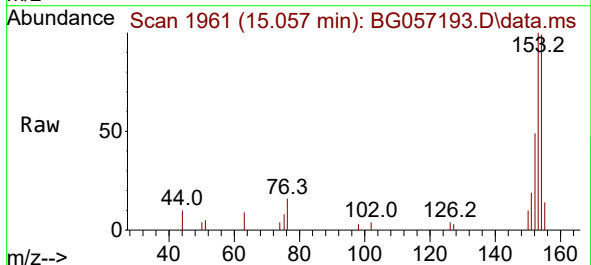
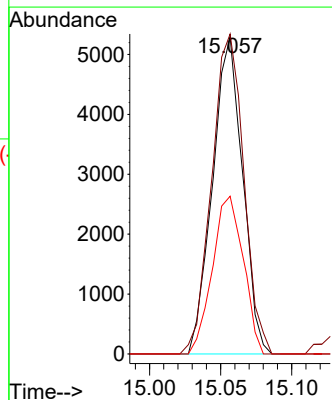


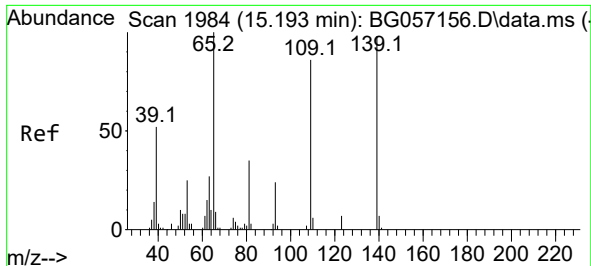
Tgt Ion:165 Resp: 6678
Ion Ratio Lower Upper
165 100
63 0.0 45.5 68.3#
89 0.0 50.1 75.1#



#52
Acenaphthene
Concen: 2.735 ng
RT: 15.057 min Scan# 1961
Delta R.T. 0.000 min
Lab File: BG057193.D
Acq: 26 Apr 2023 15:24

Tgt Ion:154 Resp: 7758
Ion Ratio Lower Upper
154 100
153 100.9 91.0 136.4
152 49.7 43.0 64.6

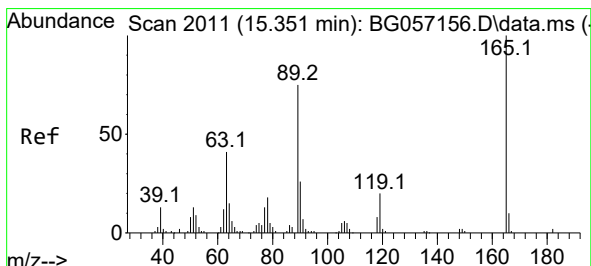
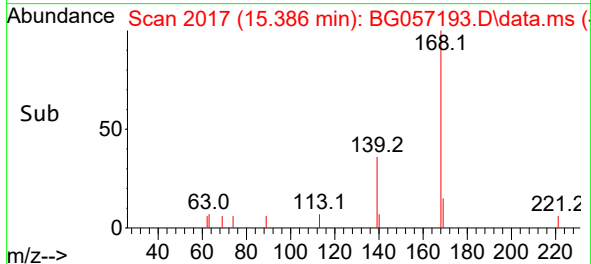
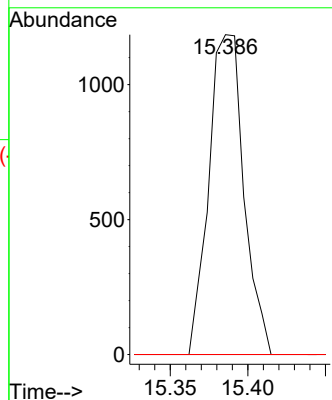
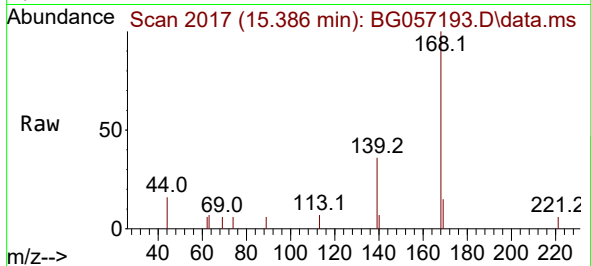




#56
4-Nitrophenol
Concen: 3.749 ng
RT: 15.386 min Scan# 20
Delta R.T. 0.194 min
Lab File: BG057193.D
Acq: 26 Apr 2023 15:24

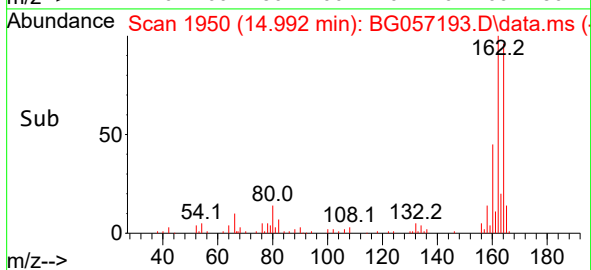
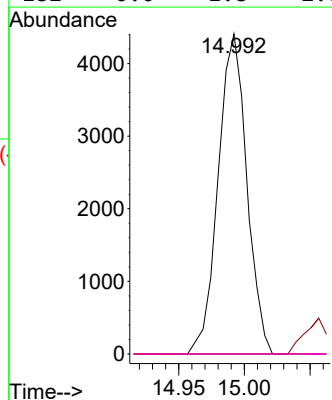
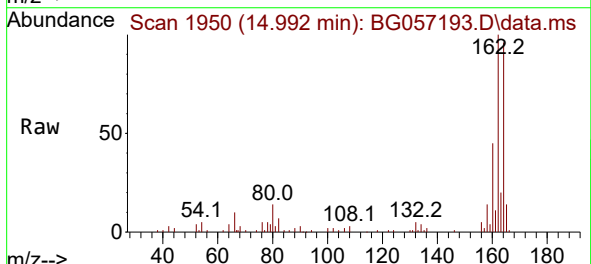
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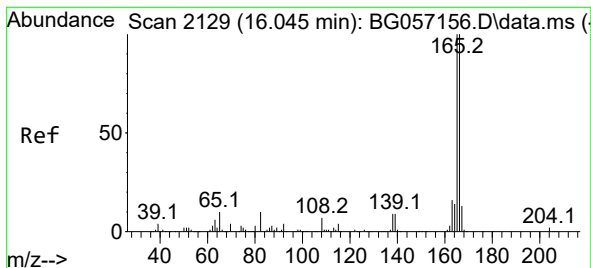
Tgt Ion:139 Resp: 1866
Ion Ratio Lower Upper
139 100
109 0.0 67.3 107.3#
65 0.0 82.0 122.0#



#57
2,4-Dinitrotoluene
Concen: 6.885 ng
RT: 14.992 min Scan# 1950
Delta R.T. -0.352 min
Lab File: BG057193.D
Acq: 26 Apr 2023 15:24

Tgt Ion:165 Resp: 6678
Ion Ratio Lower Upper
165 100
63 0.0 33.0 49.4#
89 0.0 60.0 90.0#
182 0.0 1.8 2.6#





#58

Fluorene

Concen: 2.194 ng

RT: 16.032 min Scan# 2129

Delta R.T. -0.006 min

Lab File: BG057193.D

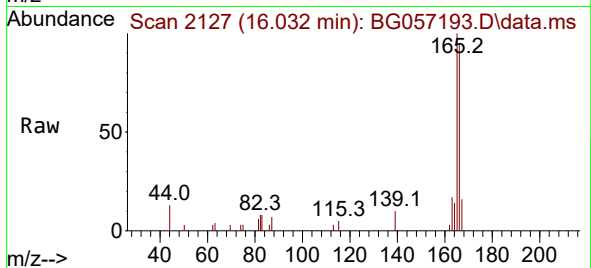
Acq: 26 Apr 2023 15:24

Instrument :

BNA_G

ClientSampleId :

SB-27-0-2-20230411DL



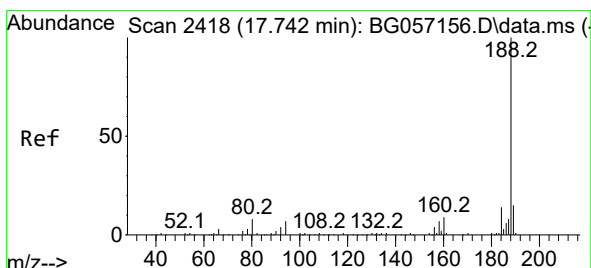
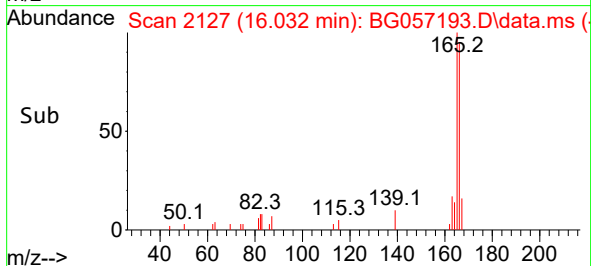
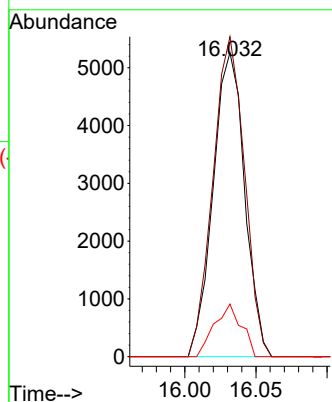
Tgt Ion:166 Resp: 8118

Ion Ratio Lower Upper

166 100

165 105.3 79.8 119.6

167 17.3 10.7 16.1#



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.729 min Scan# 2416

Delta R.T. -0.006 min

Lab File: BG057193.D

Acq: 26 Apr 2023 15:24

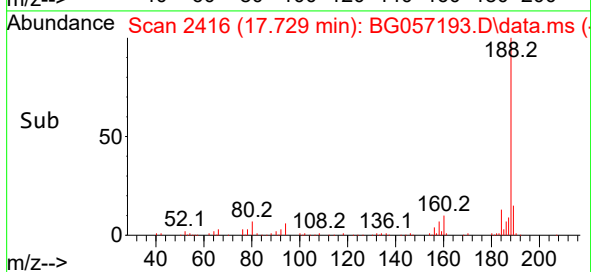
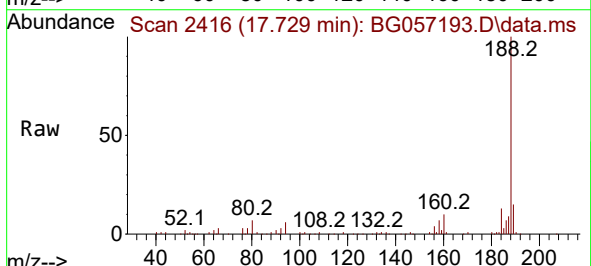
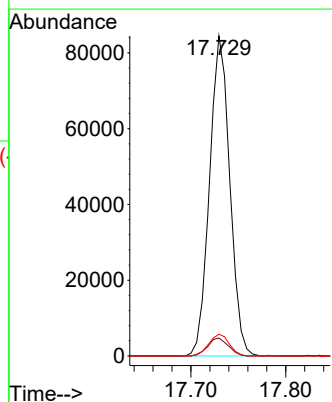
Tgt Ion:188 Resp: 125308

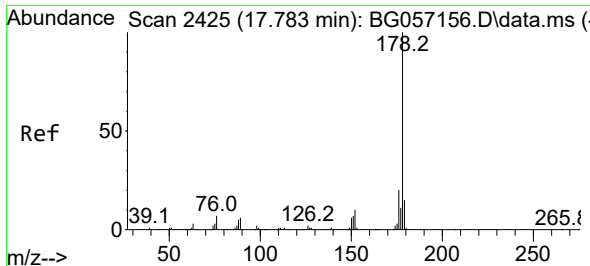
Ion Ratio Lower Upper

188 100

94 5.6 5.4 8.0

80 6.8 6.2 9.2

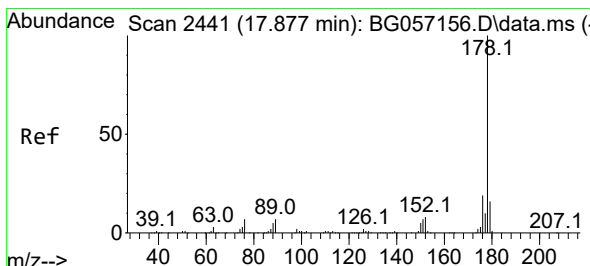
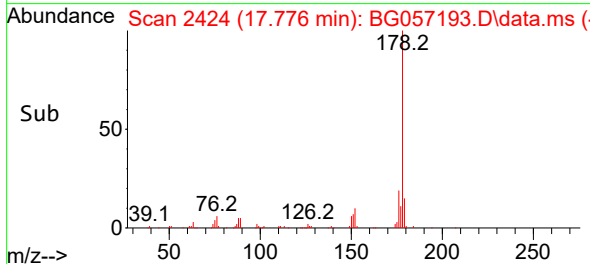
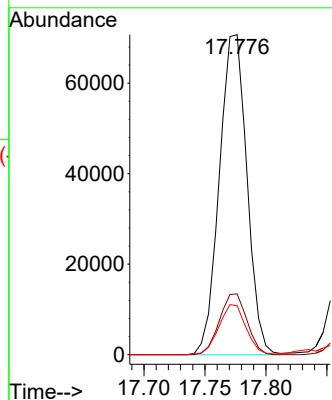
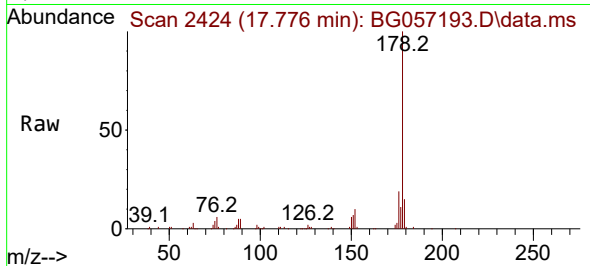




#71
Phenanthrene
Concen: 17.408 ng
RT: 17.776 min Scan# 2425
Delta R.T. 0.000 min
Lab File: BG057193.D
Acq: 26 Apr 2023 15:24

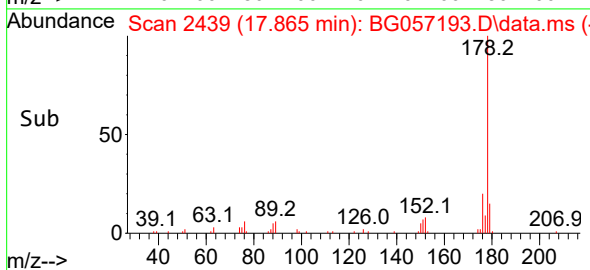
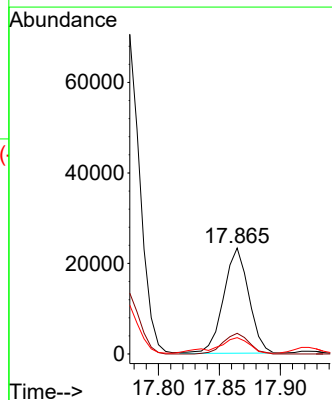
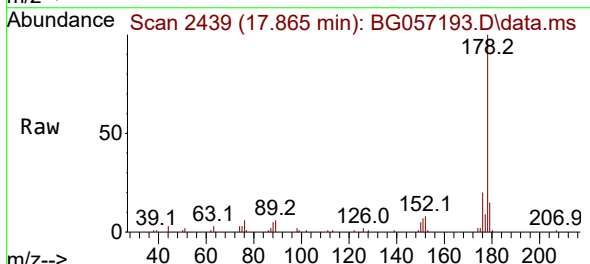
Instrument :
BNA_G
ClientSampleId :
SB-27-0-2-20230411DL

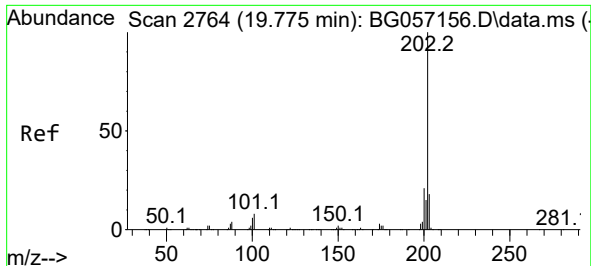
Tgt Ion:178 Resp: 111359
Ion Ratio Lower Upper
178 100
176 19.0 15.6 23.4
179 15.3 12.4 18.6



#72
Anthracene
Concen: 5.158 ng
RT: 17.865 min Scan# 2439
Delta R.T. 0.000 min
Lab File: BG057193.D
Acq: 26 Apr 2023 15:24

Tgt Ion:178 Resp: 33361
Ion Ratio Lower Upper
178 100
176 19.5 14.9 22.3
179 15.4 12.5 18.7

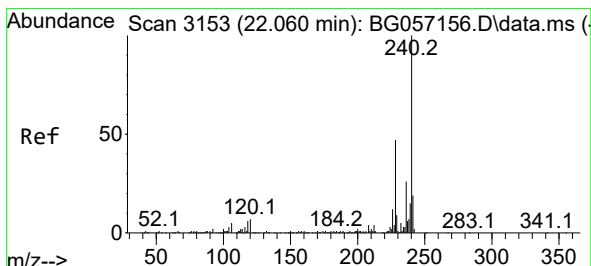
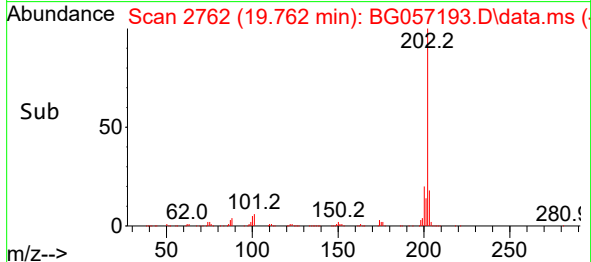
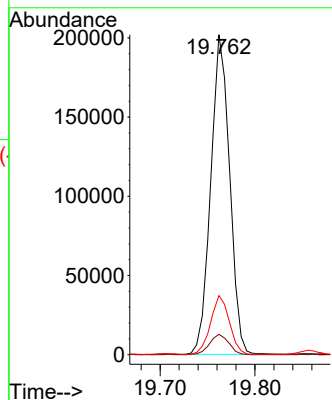
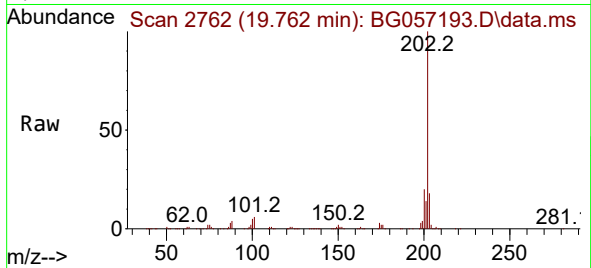




#75
Fluoranthene
Concen: 35.099 ng
RT: 19.762 min Scan# 21
Delta R.T. -0.006 min
Lab File: BG057193.D
Acq: 26 Apr 2023 15:24

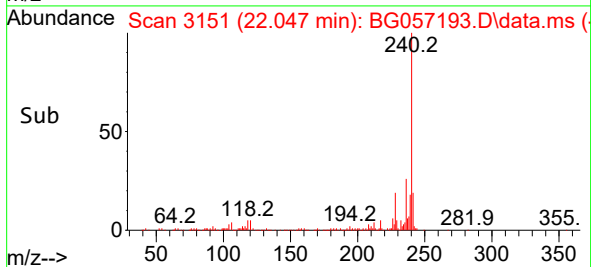
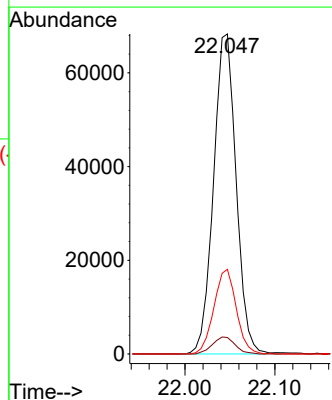
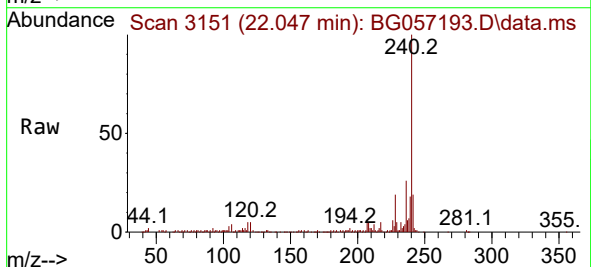
Instrument :
BNA_G
ClientSampleId :
SB-27-0-2-20230411DL

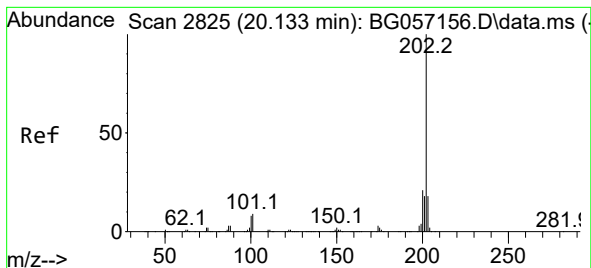
Tgt Ion:202 Resp: 278954
Ion Ratio Lower Upper
202 100
101 6.3 0.0 27.6
203 18.5 0.0 38.3



#76
Chrysene-d12
Concen: 20.000 ng
RT: 22.047 min Scan# 3151
Delta R.T. 0.000 min
Lab File: BG057193.D
Acq: 26 Apr 2023 15:24

Tgt Ion:240 Resp: 119307
Ion Ratio Lower Upper
240 100
120 5.1 5.5 8.3#
236 26.4 20.8 31.2





#78

Pyrene

Concen: 29.122 ng

RT: 20.126 min Scan# 21

Delta R.T. 0.000 min

Lab File: BG057193.D

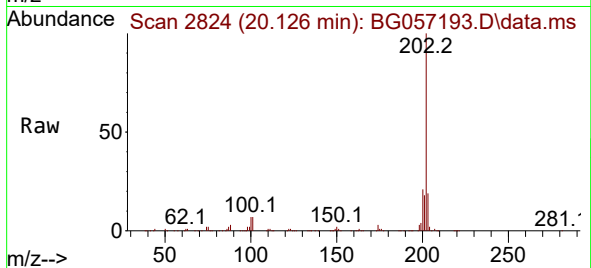
Acq: 26 Apr 2023 15:24

Instrument :

BNA_G

ClientSampleId :

SB-27-0-2-20230411DL



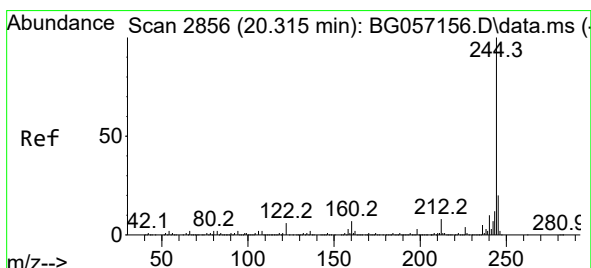
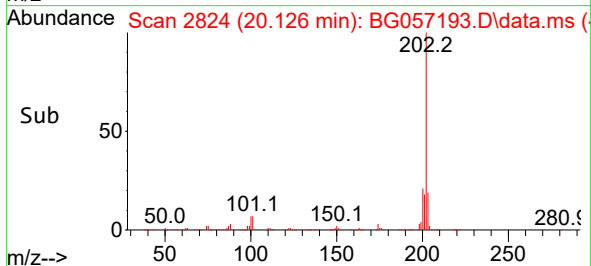
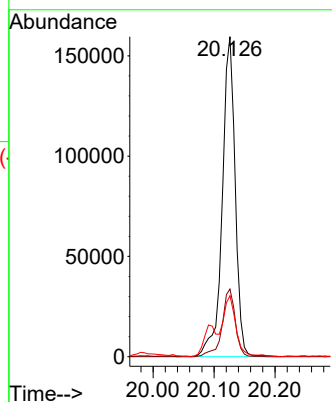
Tgt Ion:202 Resp: 235893

Ion Ratio Lower Upper

202 100

200 21.1 17.0 25.4

203 19.1 14.7 22.1



#79

Terphenyl-d14

Concen: 0.552 ng

RT: 20.297 min Scan# 2853

Delta R.T. -0.006 min

Lab File: BG057193.D

Acq: 26 Apr 2023 15:24

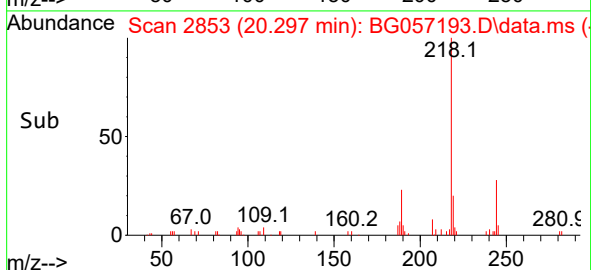
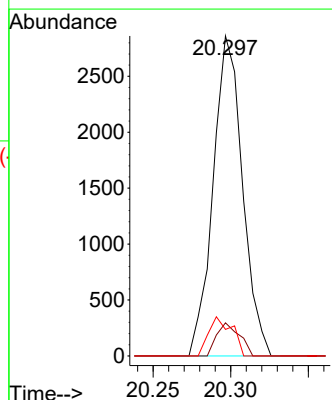
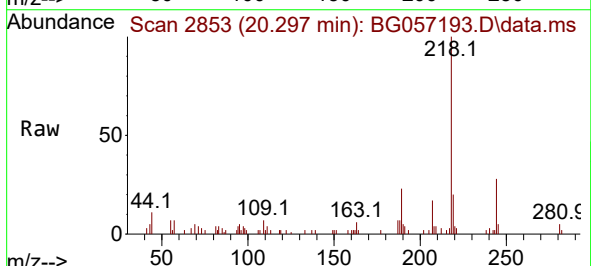
Tgt Ion:244 Resp: 3767

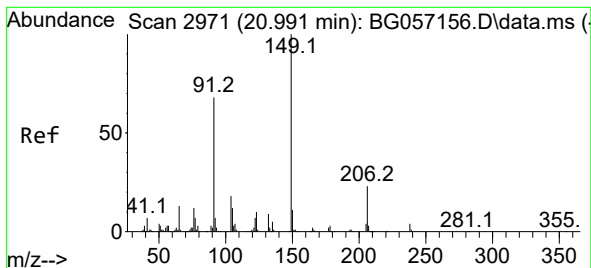
Ion Ratio Lower Upper

244 100

212 10.3 6.0 9.0#

122 8.3 5.0 7.4#





#80

Butylbenzylphthalate

Concen: 3.373 ng

RT: 20.966 min Scan# 2971

Delta R.T. -0.012 min

Lab File: BG057193.D

Acq: 26 Apr 2023 15:24

Instrument :

BNA_G

ClientSampleId :

SB-27-0-2-20230411DL

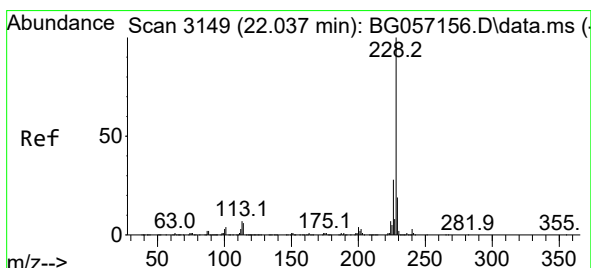
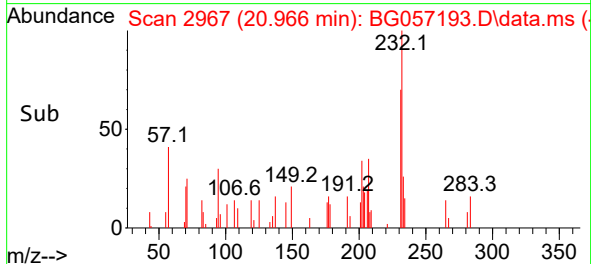
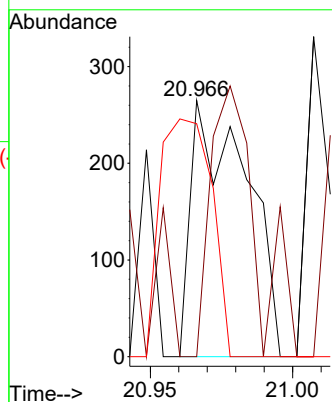
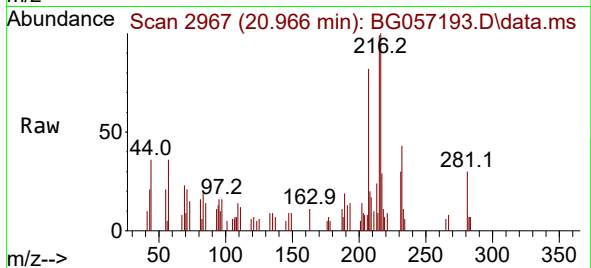
Tgt Ion:149 Resp: 360

Ion Ratio Lower Upper

149 100

91 0.0 54.1 81.1#

206 90.9 18.2 27.2#



#81

Benzo(a)anthracene

Concen: 20.578 ng

RT: 22.024 min Scan# 3147

Delta R.T. 0.000 min

Lab File: BG057193.D

Acq: 26 Apr 2023 15:24

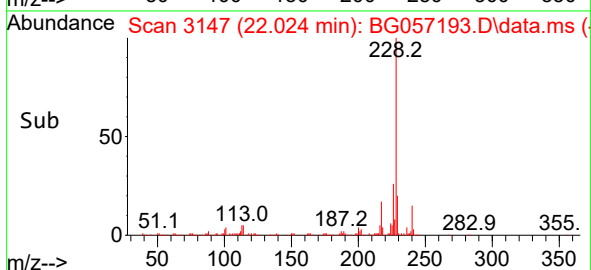
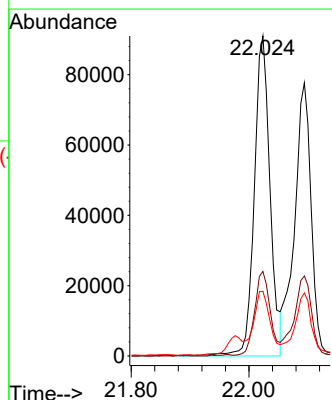
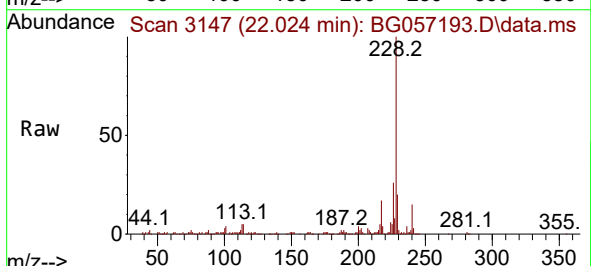
Tgt Ion:228 Resp: 168800

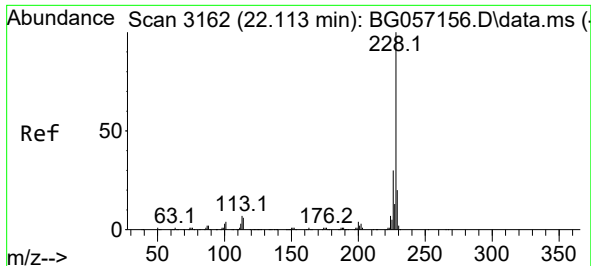
Ion Ratio Lower Upper

228 100

226 26.4 22.2 33.4

229 20.2 15.6 23.4





#83

Chrysene

Concen: 19.178 ng

RT: 22.094 min Scan# 3118

Delta R.T. -0.006 min

Lab File: BG057193.D

Acq: 26 Apr 2023 15:24

Instrument :

BNA_G

ClientSampleId :

SB-27-0-2-20230411DL

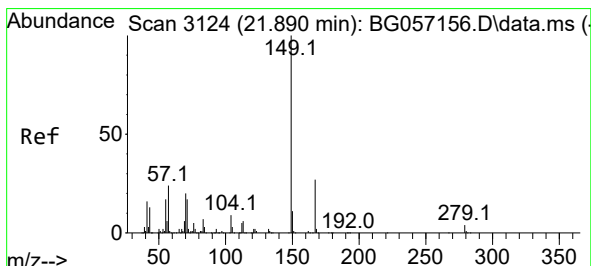
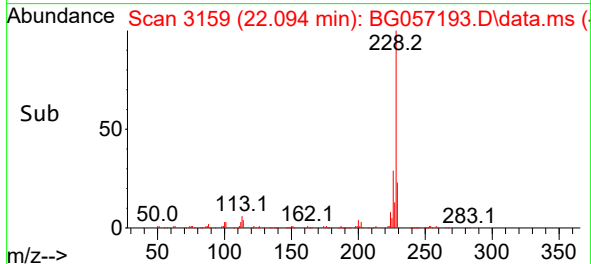
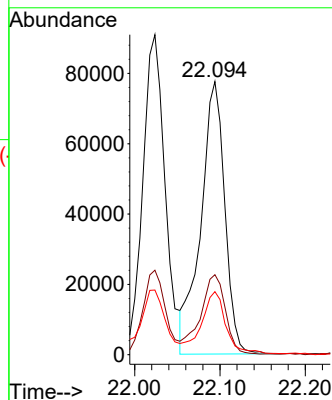
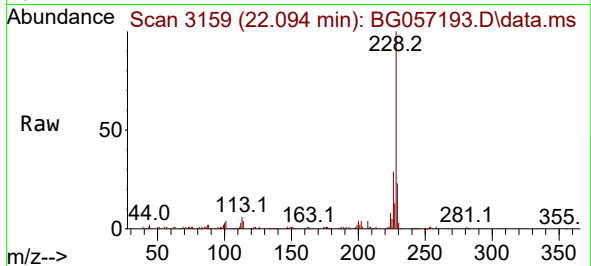
Tgt Ion:228 Resp: 151711

Ion Ratio Lower Upper

228 100

226 29.3 24.0 36.0

229 23.1 15.8 23.6



#84

Bis(2-ethylhexyl)phthalate

Concen: 3.633 ng

RT: 21.853 min Scan# 3118

Delta R.T. -0.018 min

Lab File: BG057193.D

Acq: 26 Apr 2023 15:24

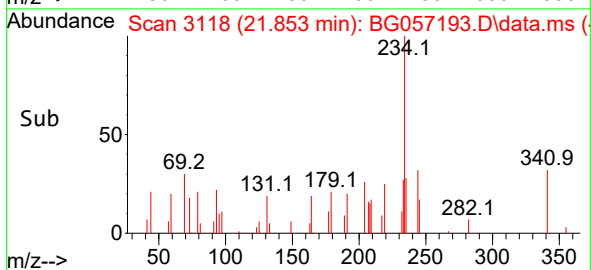
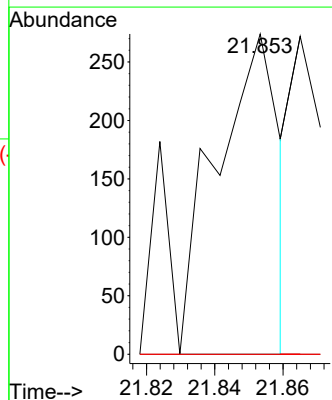
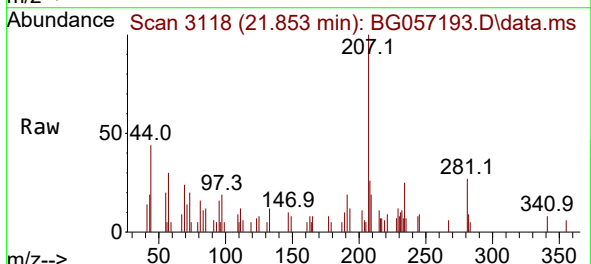
Tgt Ion:149 Resp: 353

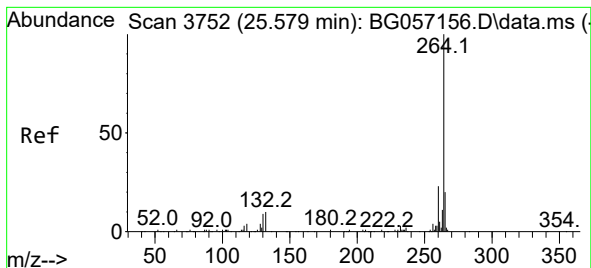
Ion Ratio Lower Upper

149 100

167 0.0 21.9 32.9#

279 0.0 3.3 4.9#





#86

Perylene-d12

Concen: 20.000 ng

RT: 25.560 min Scan# 31

Delta R.T. 0.000 min

Lab File: BG057193.D

Acq: 26 Apr 2023 15:24

Instrument :

BNA_G

ClientSampleId :

SB-27-0-2-20230411DL

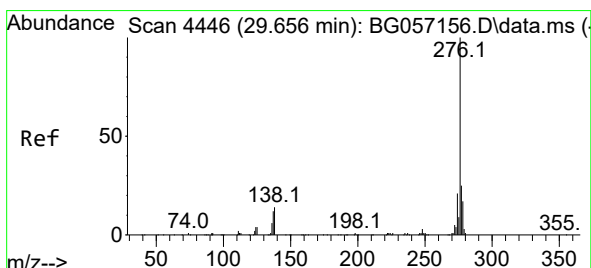
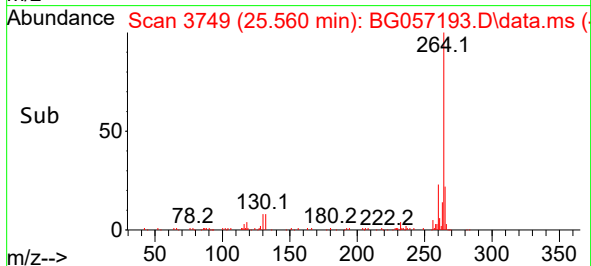
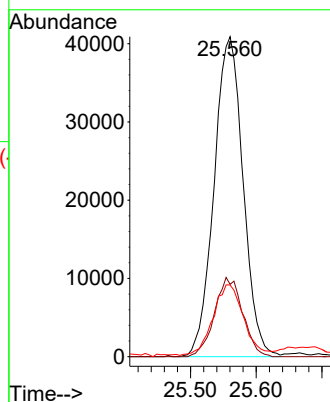
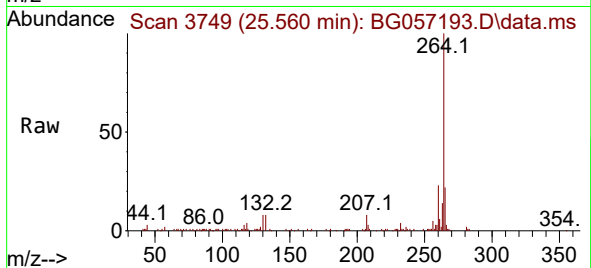
Tgt Ion:264 Resp: 125544

Ion Ratio Lower Upper

264 100

260 22.6 18.8 28.2

265 22.4 16.4 24.6



#87

Indeno(1,2,3-cd)pyrene

Concen: 8.045 ng

RT: 29.608 min Scan# 4438

Delta R.T. -0.018 min

Lab File: BG057193.D

Acq: 26 Apr 2023 15:24

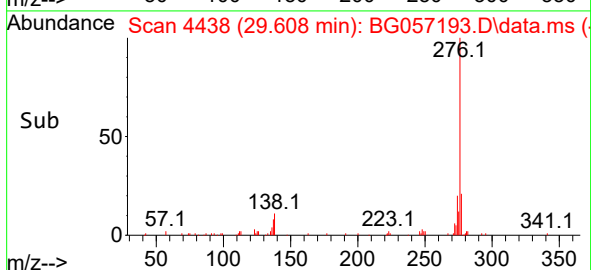
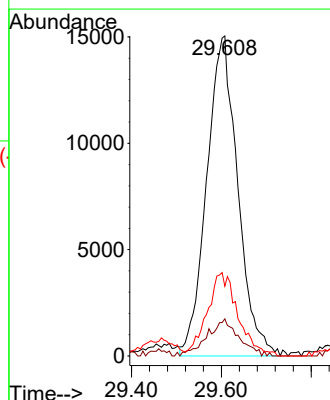
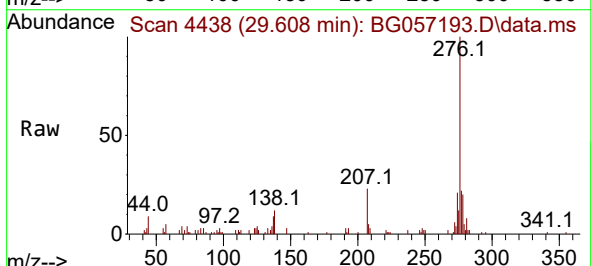
Tgt Ion:276 Resp: 72346

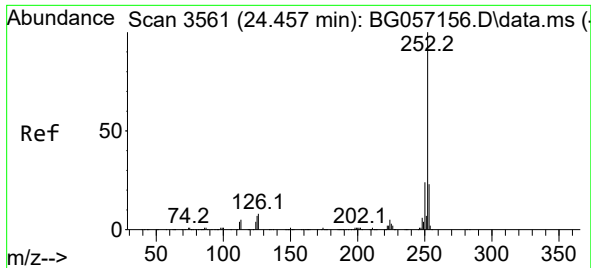
Ion Ratio Lower Upper

276 100

138 11.8 13.8 20.6#

277 25.8 20.4 30.6

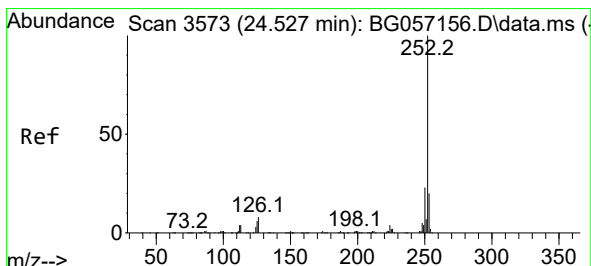
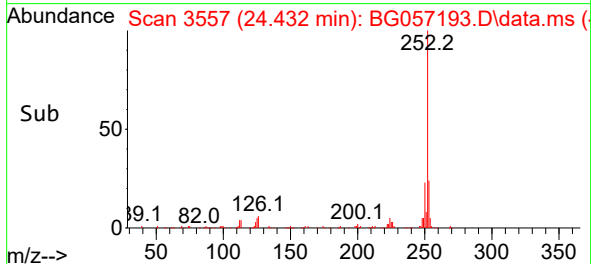
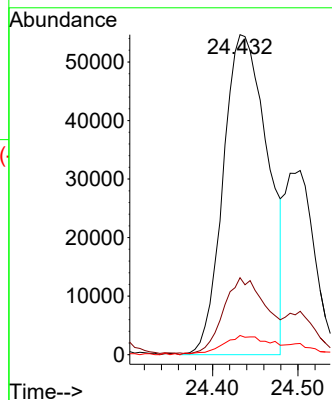
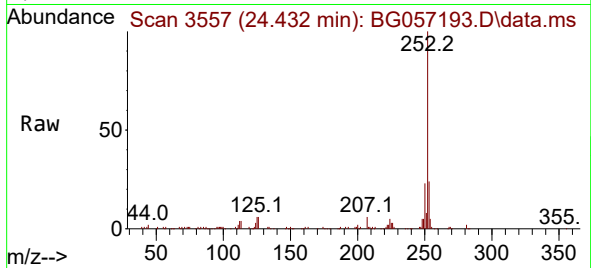




#88
Benzo(b)fluoranthene
Concen: 25.218 ng
RT: 24.432 min Scan# 3557
Delta R.T. -0.006 min
Lab File: BG057193.D
Acq: 26 Apr 2023 15:24

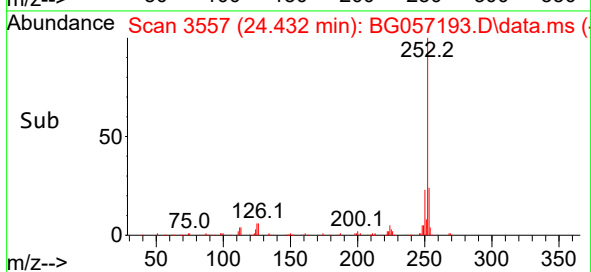
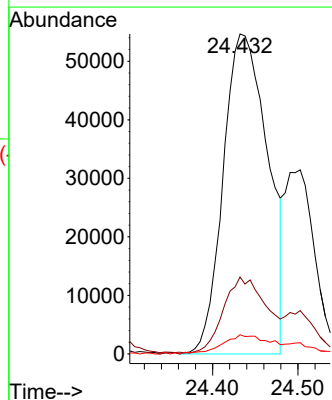
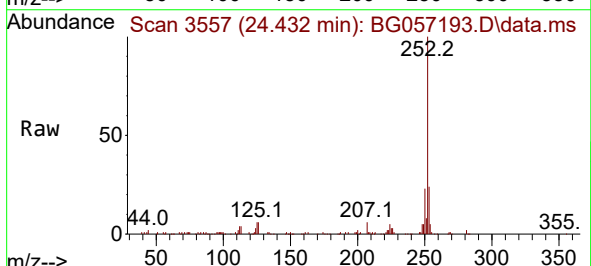
Instrument :
BNA_G
ClientSampleId :
SB-27-0-2-20230411DL

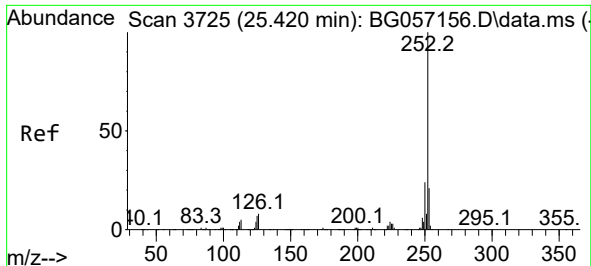
Tgt Ion:252 Resp: 198459
Ion Ratio Lower Upper
252 100
253 24.1 18.2 27.2
125 6.0 5.3 7.9



#89
Benzo(k)fluoranthene
Concen: 24.380 ng
RT: 24.432 min Scan# 3557
Delta R.T. -0.076 min
Lab File: BG057193.D
Acq: 26 Apr 2023 15:24

Tgt Ion:252 Resp: 198459
Ion Ratio Lower Upper
252 100
253 24.1 16.7 25.1
125 6.0 5.0 7.6

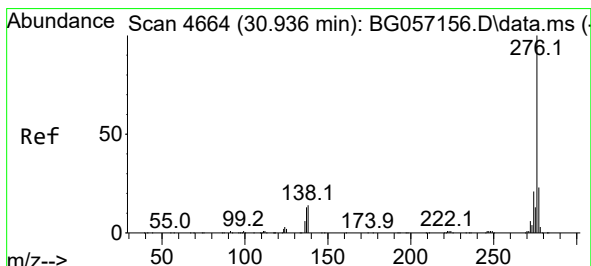
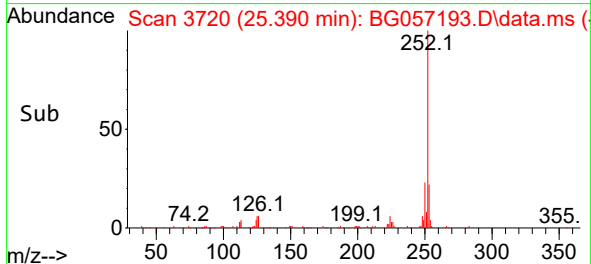
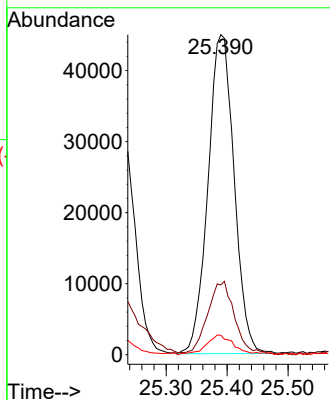
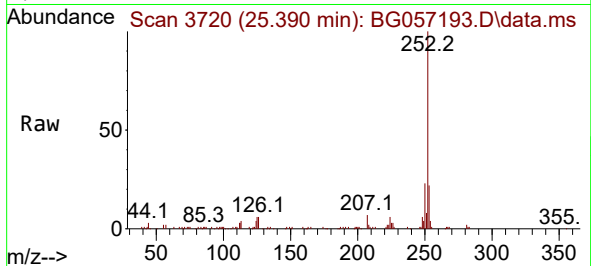




#90
Benzo(a)pyrene
Concen: 17.298 ng
RT: 25.390 min Scan# 31
Delta R.T. -0.006 min
Lab File: BG057193.D
Acq: 26 Apr 2023 15:24

Instrument :
BNA_G
ClientSampleId :
SB-27-0-2-20230411DL

Tgt Ion:252 Resp: 134083
Ion Ratio Lower Upper
252 100
253 21.8 17.0 25.6
125 6.1 5.8 8.8



#92
Benzo(g,h,i)perylene
Concen: 8.945 ng
RT: 30.876 min Scan# 4654
Delta R.T. -0.023 min
Lab File: BG057193.D
Acq: 26 Apr 2023 15:24

Tgt Ion:276 Resp: 66086
Ion Ratio Lower Upper
276 100
277 21.6 18.5 27.7
138 10.8 11.5 17.3#

