

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG042623\
 Data File : BG057195.D
 Acq On : 26 Apr 2023 16:46
 Operator : CG/JU
 Sample : 02270-12DL 100X
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SB-27-10-12-20230411DL

Quant Time: Apr 27 03:06:50 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

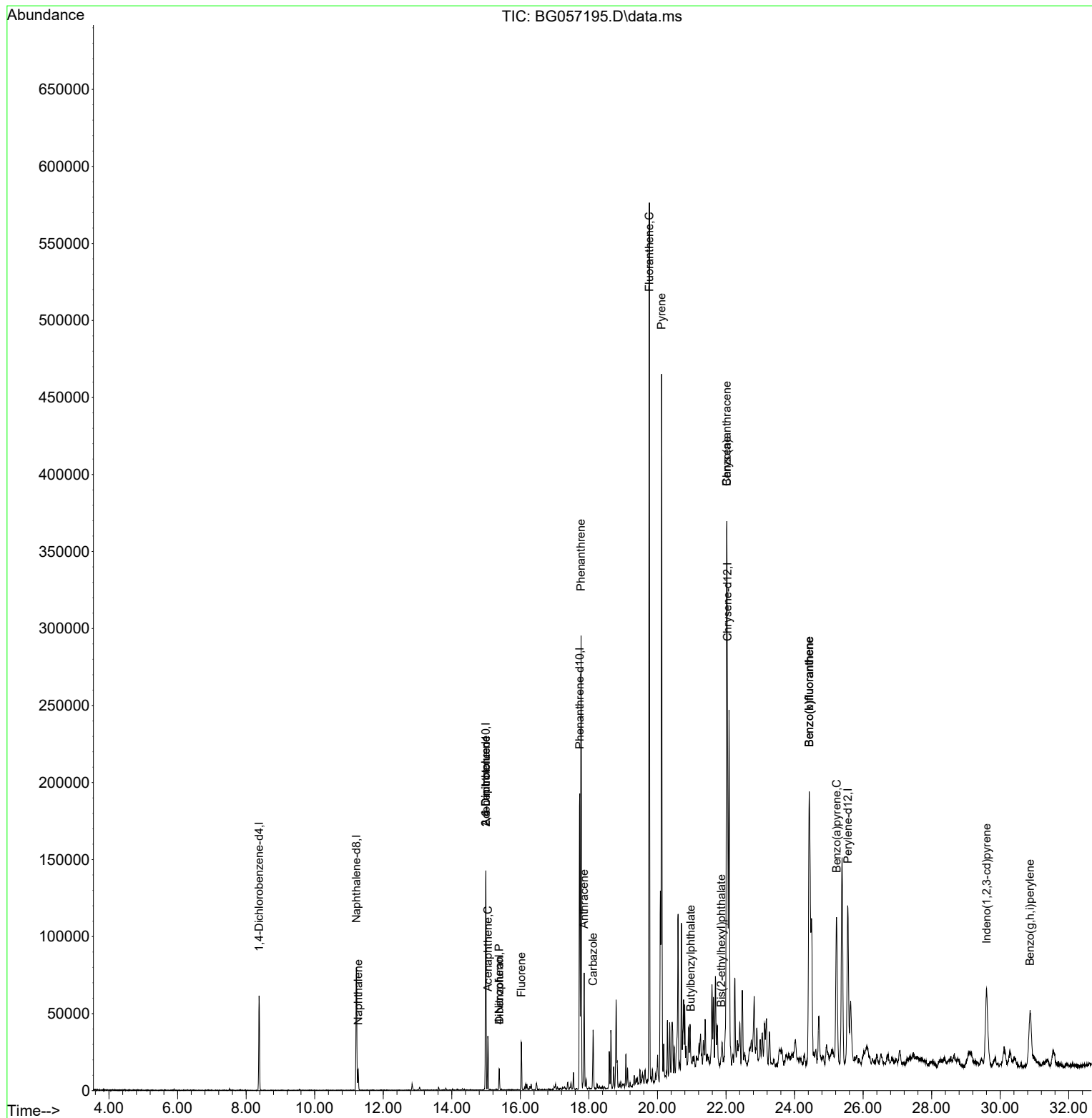
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.379	152	16635	20.000	ng	0.00
21) Naphthalene-d8	11.216	136	66767	20.000	ng	0.00
39) Acenaphthene-d10	14.993	164	50719	20.000	ng	0.00
64) Phenanthrene-d10	17.731	188	131593	20.000	ng	0.00
76) Chrysene-d12	22.043	240	116410	20.000	ng	# 0.00
86) Perylene-d12	25.556	264	121740	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.900	112	471	0.513	ng	0.00
7) Phenol-d6	7.527	99	771	0.581	ng	0.00
23) Nitrobenzene-d5	9.560	82	551	0.408	ng	0.00
42) 2,4,6-Tribromophenol	16.474	330	285	0.426	ng	0.00
45) 2-Fluorobiphenyl	13.613	172	1464	0.388	ng	0.00
79) Terphenyl-d14	20.292	244	3407	0.512	ng	-0.01
Target Compounds						
						Qvalue
31) Naphthalene	11.269	128	11844	3.340	ng	97
51) 2,6-Dinitrotoluene	14.993	165	6752	9.087	ng	# 21
52) Acenaphthene	15.052	154	13579	4.588	ng	98
55) Dibenzofuran	15.387	168	9958	2.077	ng	99
56) 4-Nitrophenol	15.381	139	3793	7.304	ng	# 2
57) 2,4-Dinitrotoluene	14.993	165	6752	6.673	ng	# 21
58) Fluorene	16.027	166	14245	3.690	ng	99
71) Phenanthrene	17.772	178	181584	27.030	ng	99
72) Anthracene	17.860	178	49655	7.310	ng	99
73) Carbazole	18.125	167	24520	4.276	ng	97
75) Fluoranthene	19.763	202	373551	44.757	ng	99
78) Pyrene	20.122	202	312953	39.596	ng	99
80) Butylbenzylphthalate	20.974	149	84	3.252	ng	# 1
81) Benzo(a)anthracene	22.019	228	214985	26.860	ng	99
83) Chrysene	22.019	228	214985	27.853	ng	97
84) Bis(2-ethylhexyl)phtha...	21.867	149	216	3.596	ng	# 53
87) Indeno(1,2,3-cd)pyrene	29.603	276	88574	10.157	ng	# 95
88) Benzo(b)fluoranthene	24.428	252	251109	32.905	ng	# 99
89) Benzo(k)fluoranthene	24.428	252	251109	31.811	ng	# 96
90) Benzo(a)pyrene	25.227	252	116320	15.475	ng	97
92) Benzo(g,h,i)perylene	30.872	276	82615	11.532	ng	# 96

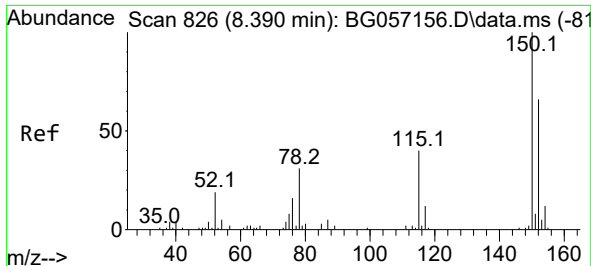
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG042623\
Data File : BG057195.D
Acq On : 26 Apr 2023 16:46
Operator : CG/JU
Sample : 02270-12DL 100X
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
SB-27-10-12-20230411DL

Quant Time: Apr 27 03:06:50 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

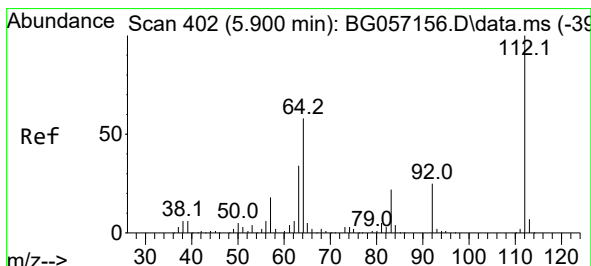
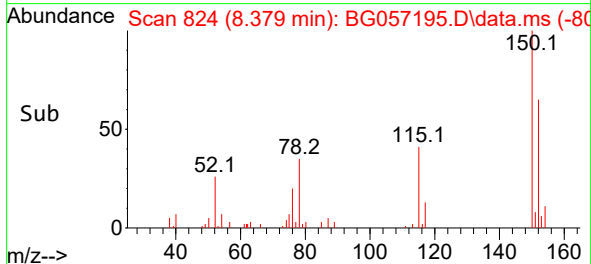
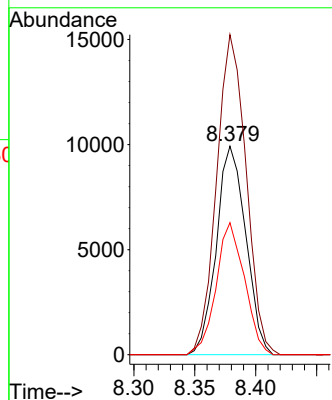
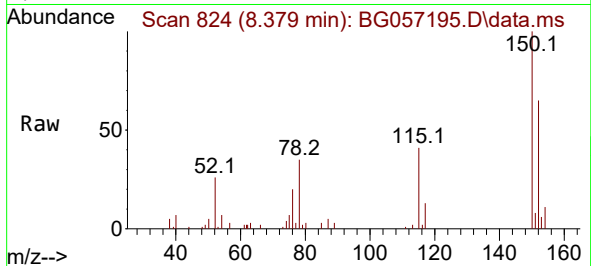




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.379 min Scan# 81
Delta R.T. -0.004 min
Lab File: BG057195.D
Acq: 26 Apr 2023 16:46

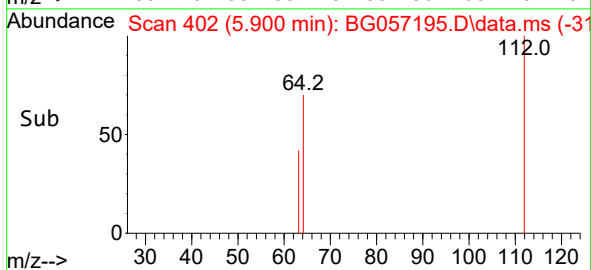
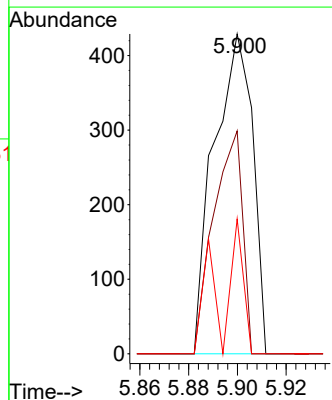
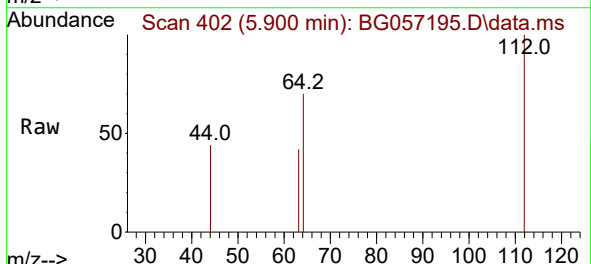
Instrument :
BNA_G
ClientSampleId :
SB-27-10-12-20230411DL

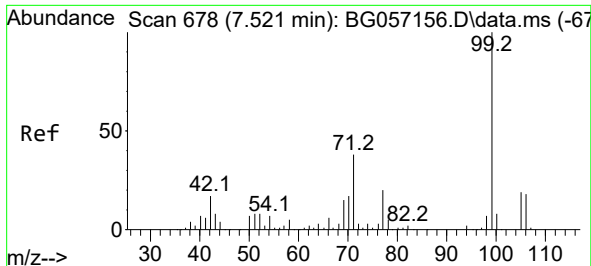
Tgt Ion:152 Resp: 16635
Ion Ratio Lower Upper
152 100
150 153.5 121.4 182.2
115 63.3 48.1 72.1



#5
2-Fluorophenol
Concen: 0.513 ng
RT: 5.900 min Scan# 402
Delta R.T. 0.007 min
Lab File: BG057195.D
Acq: 26 Apr 2023 16:46

Tgt Ion:112 Resp: 471
Ion Ratio Lower Upper
112 100
64 69.7 46.7 70.1
63 42.2 26.9 40.3#

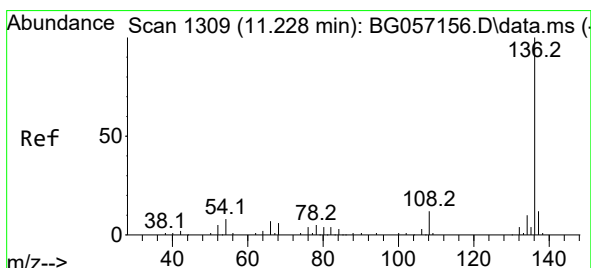
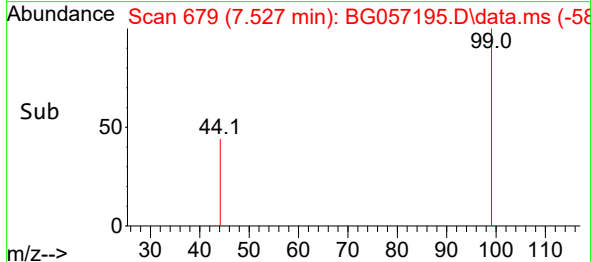
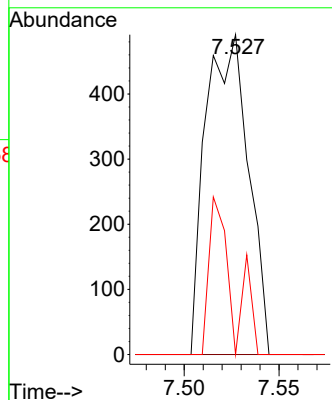
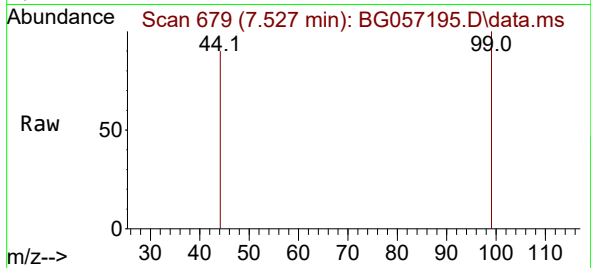




#7
Phenol-d6
Concen: 0.581 ng
RT: 7.527 min Scan# 61
Delta R.T. 0.007 min
Lab File: BG057195.D
Acq: 26 Apr 2023 16:46

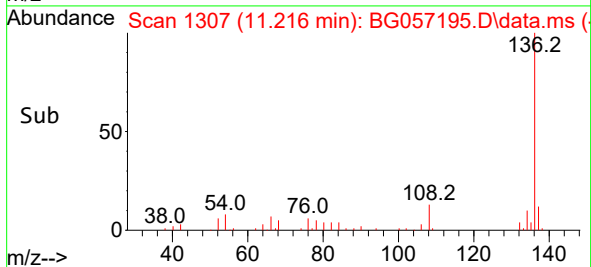
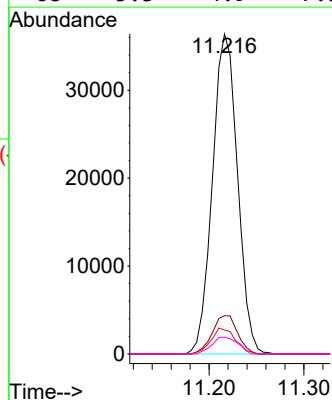
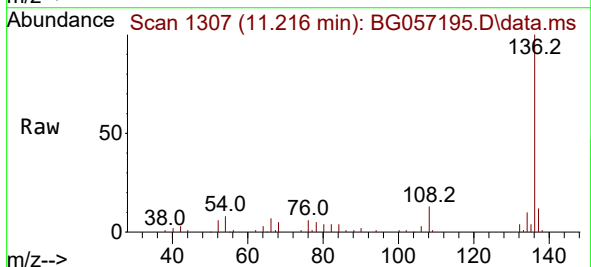
Instrument :
BNA_G
ClientSampleId :
SB-27-10-12-20230411DL

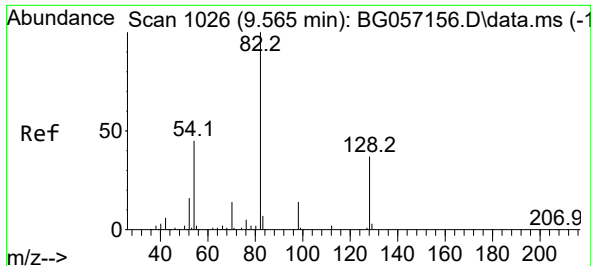
Tgt Ion: 99 Resp: 771
Ion Ratio Lower Upper
99 100
42 0.0 13.4 20.0#
71 0.0 30.2 45.2#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.216 min Scan# 1307
Delta R.T. -0.004 min
Lab File: BG057195.D
Acq: 26 Apr 2023 16:46

Tgt Ion: 136 Resp: 66767
Ion Ratio Lower Upper
136 100
137 11.9 9.5 14.3
54 7.5 6.4 9.6
68 5.3 4.9 7.3

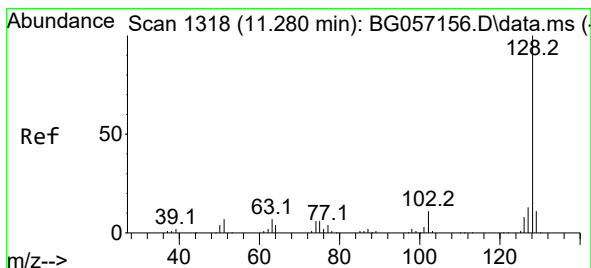
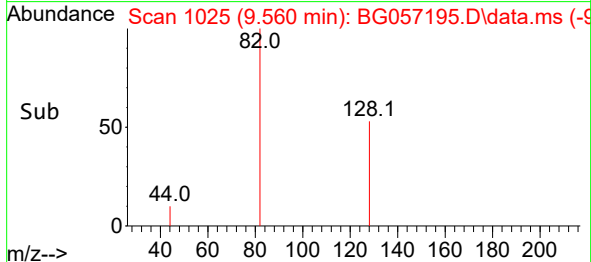
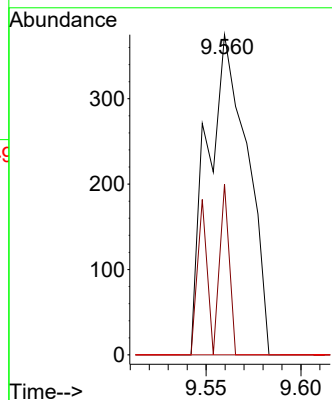
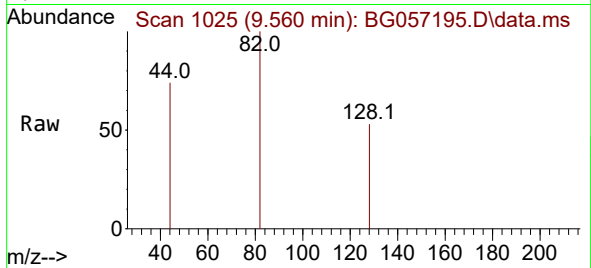




#23
Nitrobenzene-d5
Concen: 0.408 ng
RT: 9.560 min Scan# 1025
Delta R.T. 0.002 min
Lab File: BG057195.D
Acq: 26 Apr 2023 16:46

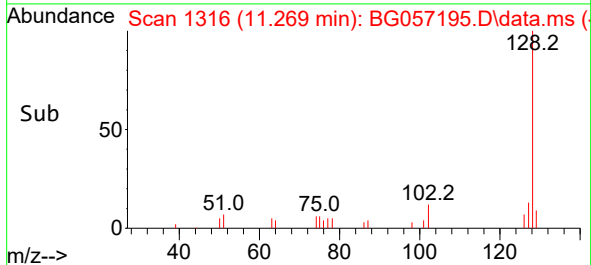
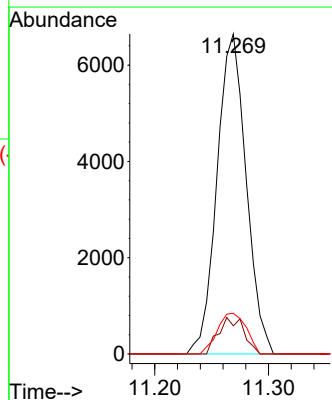
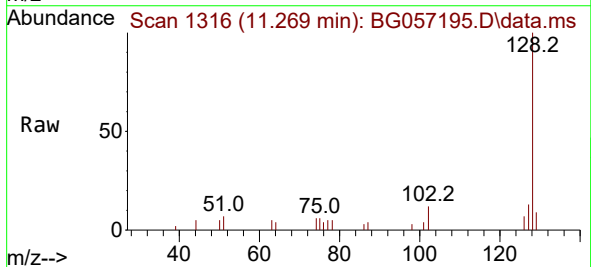
Instrument :
BNA_G
ClientSampleId :
SB-27-10-12-20230411DL

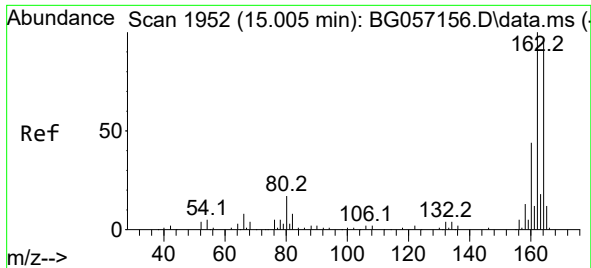
Tgt Ion: 82 Resp: 551
Ion Ratio Lower Upper
82 100
128 53.3 29.4 44.2#
54 0.0 36.2 54.2#



#31
Naphthalene
Concen: 3.340 ng
RT: 11.269 min Scan# 1316
Delta R.T. -0.004 min
Lab File: BG057195.D
Acq: 26 Apr 2023 16:46

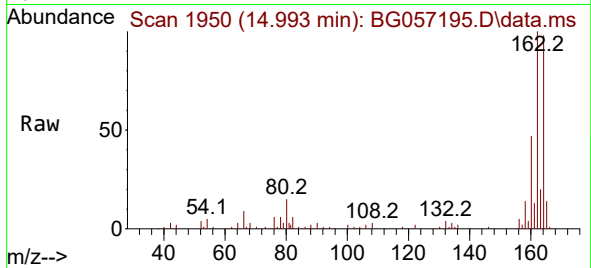
Tgt Ion: 128 Resp: 11844
Ion Ratio Lower Upper
128 100
129 8.8 8.8 13.2
127 12.7 10.6 16.0



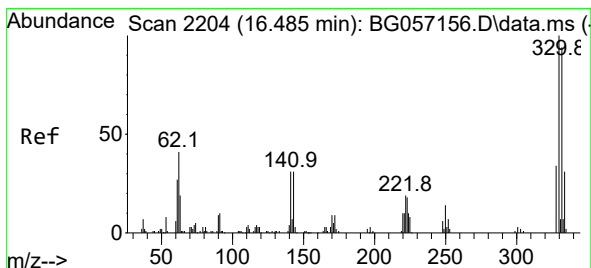
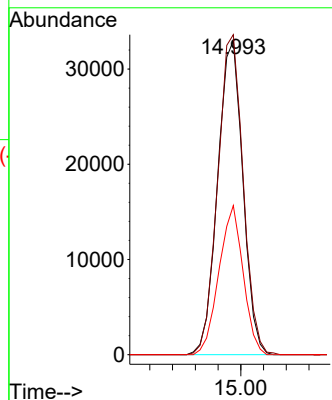
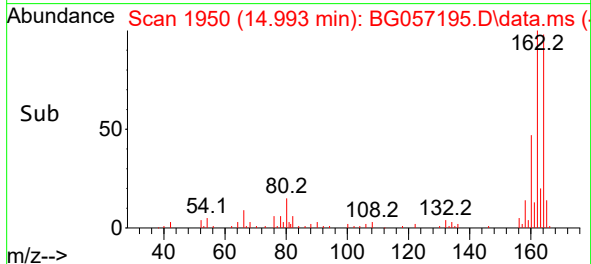


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.993 min Scan# 1950
Delta R.T. 0.002 min
Lab File: BG057195.D
Acq: 26 Apr 2023 16:46

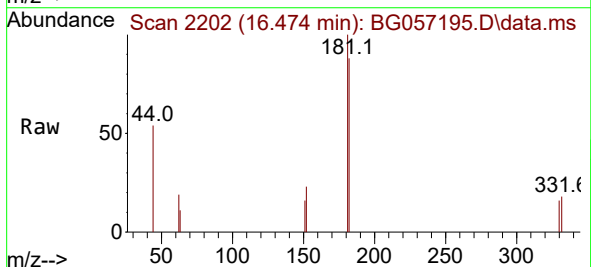
Instrument :
BNA_G
ClientSampleId :
SB-27-10-12-20230411DL



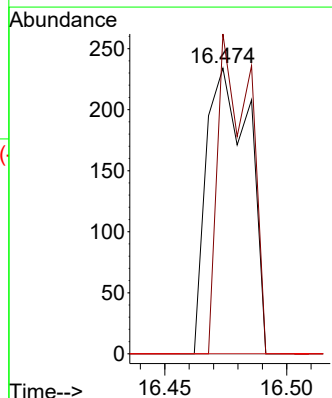
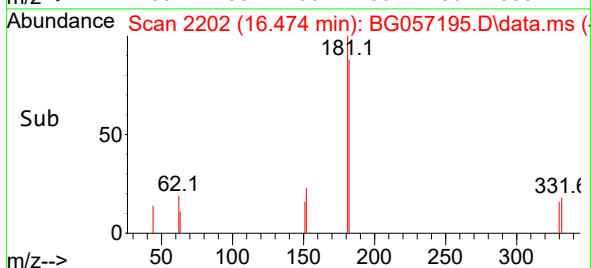
Tgt Ion:164 Resp: 50719
Ion Ratio Lower Upper
164 100
162 101.9 82.4 123.6
160 47.5 36.2 54.2

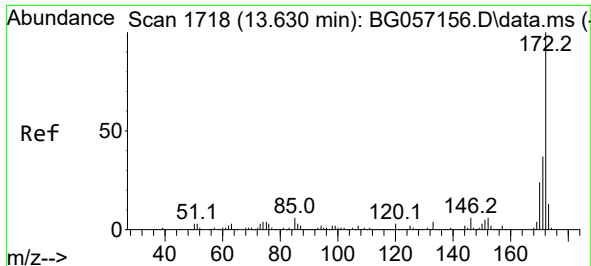


#42
2,4,6-Tribromophenol
Concen: 0.426 ng
RT: 16.474 min Scan# 2202
Delta R.T. -0.004 min
Lab File: BG057195.D
Acq: 26 Apr 2023 16:46



Tgt Ion:330 Resp: 285
Ion Ratio Lower Upper
330 100
332 83.5 77.6 116.4
141 0.0 26.0 39.0#

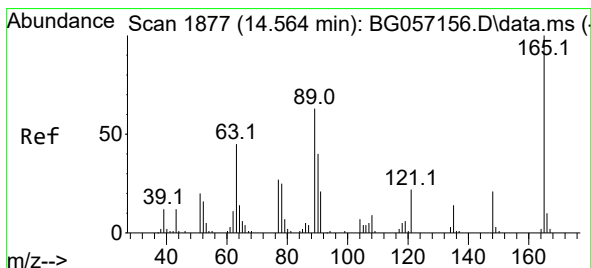
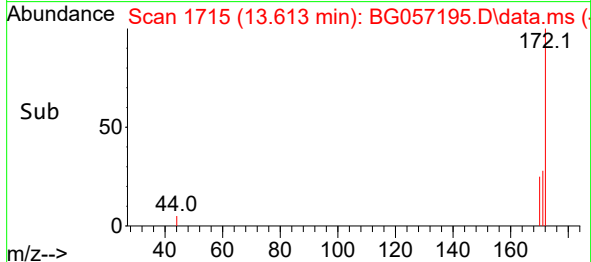
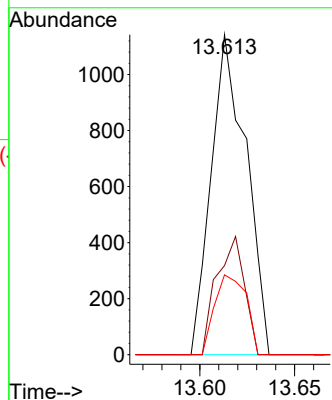
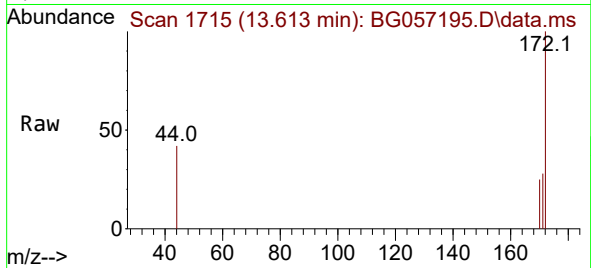




#45
2-Fluorobiphenyl
Concen: 0.388 ng
RT: 13.613 min Scan# 11
Delta R.T. -0.004 min
Lab File: BG057195.D
Acq: 26 Apr 2023 16:46

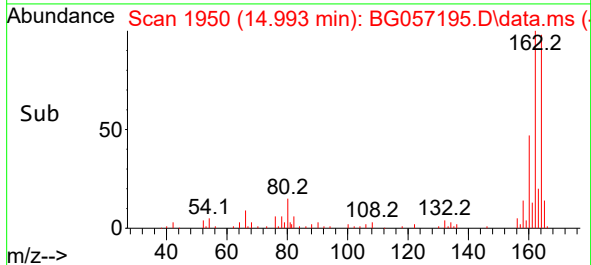
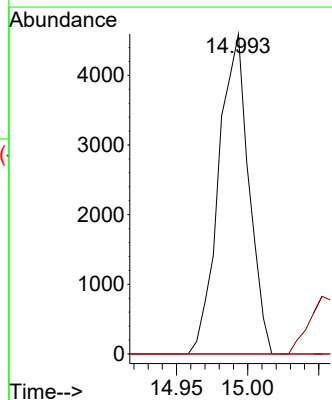
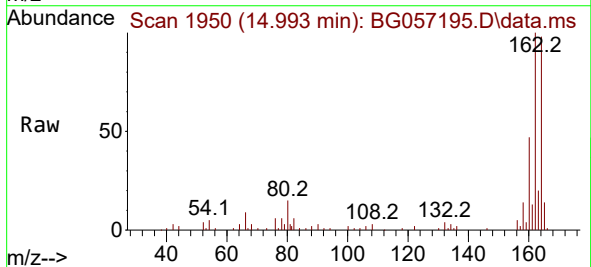
Instrument :
BNA_G
ClientSampleId :
SB-27-10-12-20230411DL

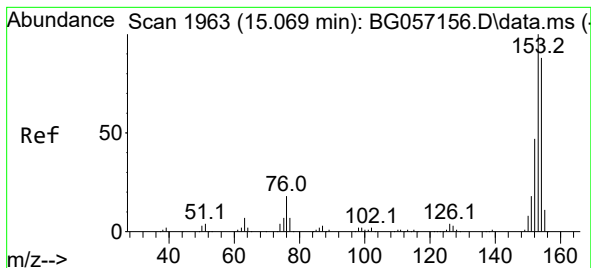
Tgt Ion:172 Resp: 1464
Ion Ratio Lower Upper
172 100
171 27.8 29.2 43.8#
170 25.0 19.4 29.2



#51
2,6-Dinitrotoluene
Concen: 9.087 ng
RT: 14.993 min Scan# 1950
Delta R.T. 0.436 min
Lab File: BG057195.D
Acq: 26 Apr 2023 16:46

Tgt Ion:165 Resp: 6752
Ion Ratio Lower Upper
165 100
63 0.0 45.5 68.3#
89 0.0 50.1 75.1#





#52

Acenaphthene

Concen: 4.588 ng

RT: 15.052 min Scan# 1960

Delta R.T. -0.004 min

Lab File: BG057195.D

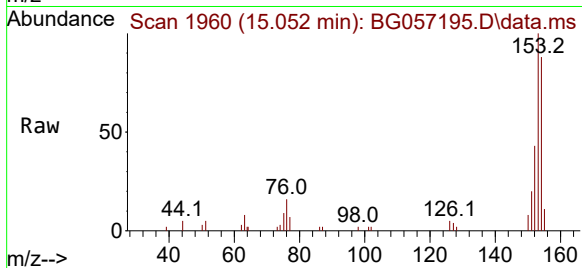
Acq: 26 Apr 2023 16:46

Instrument :

BNA_G

ClientSampleId :

SB-27-10-12-20230411DL



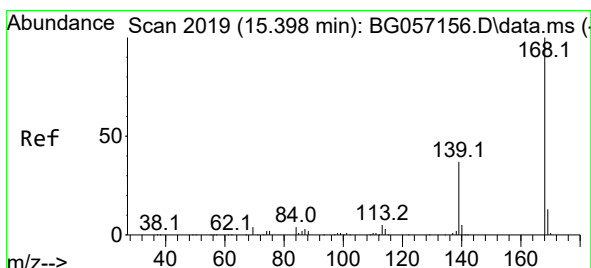
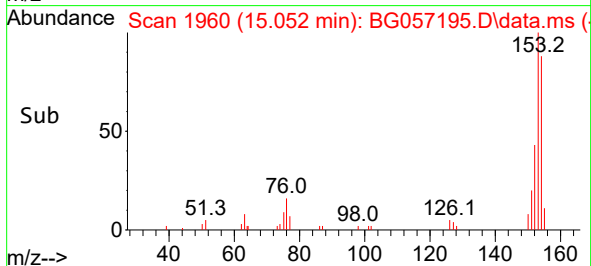
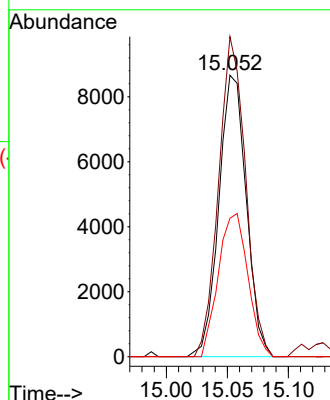
Tgt Ion:154 Resp: 13579

Ion Ratio Lower Upper

154 100

153 113.7 91.0 136.4

152 49.2 43.0 64.6



#55

Dibenzofuran

Concen: 2.077 ng

RT: 15.387 min Scan# 2017

Delta R.T. -0.004 min

Lab File: BG057195.D

Acq: 26 Apr 2023 16:46

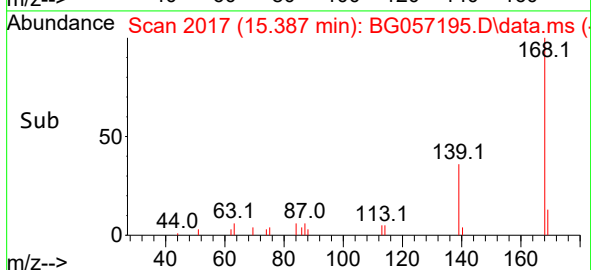
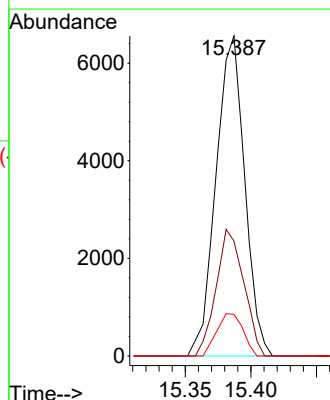
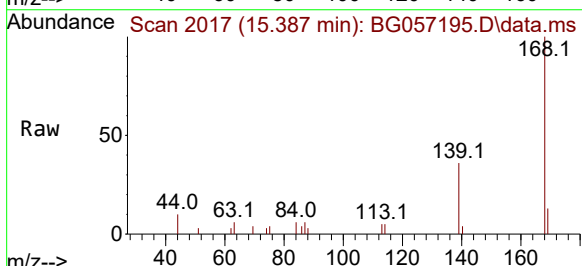
Tgt Ion:168 Resp: 9958

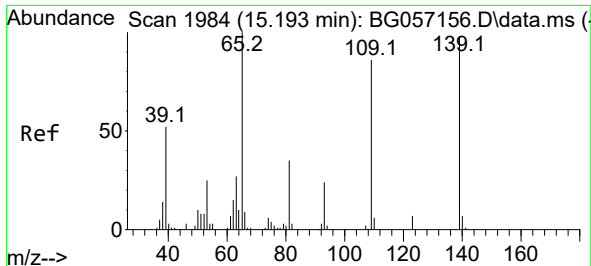
Ion Ratio Lower Upper

168 100

139 35.9 29.2 43.8

169 13.0 10.6 15.8

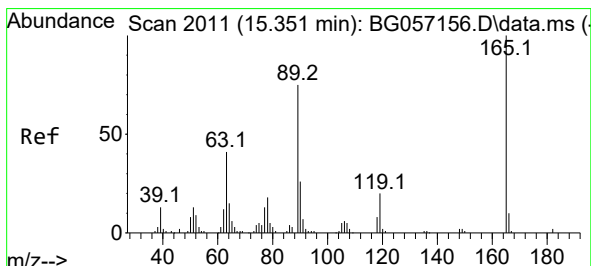
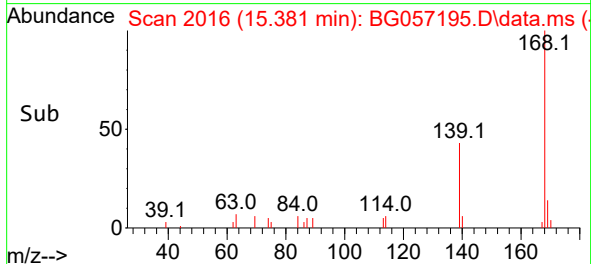
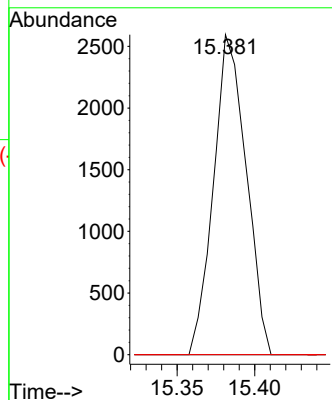
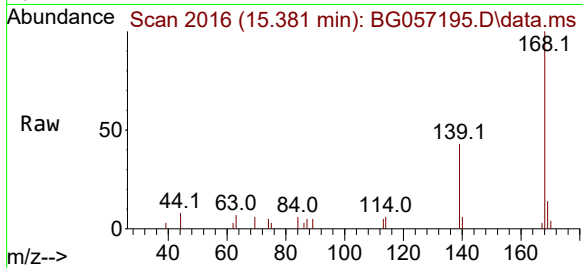




#56
4-Nitrophenol
Concen: 7.304 ng
RT: 15.381 min Scan# 2016
Delta R.T. 0.190 min
Lab File: BG057195.D
Acq: 26 Apr 2023 16:46

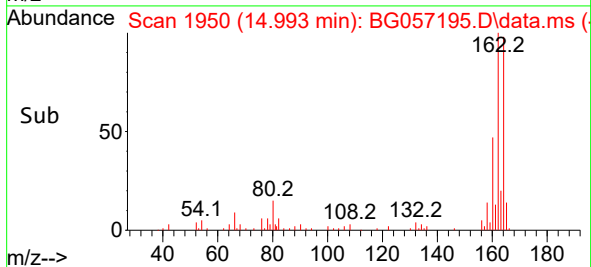
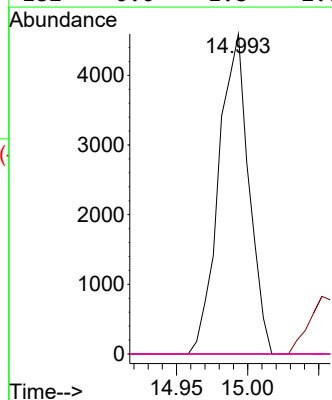
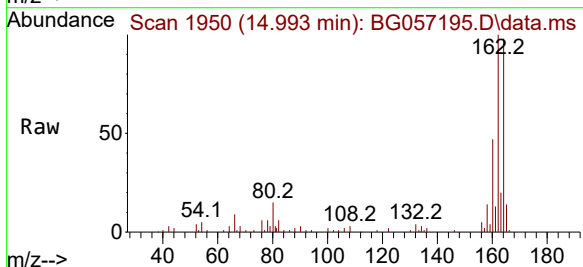
Instrument :
BNA_G
ClientSampleId :
SB-27-10-12-20230411DL

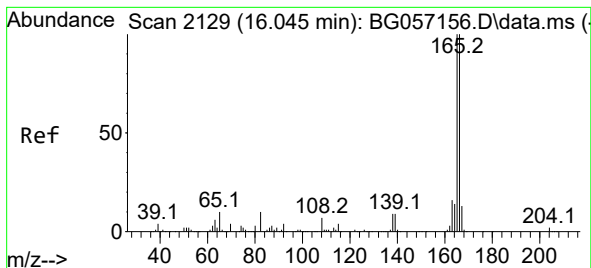
Tgt Ion:139 Resp: 3793
Ion Ratio Lower Upper
139 100
109 0.0 67.3 107.3#
65 0.0 82.0 122.0#



#57
2,4-Dinitrotoluene
Concen: 6.673 ng
RT: 14.993 min Scan# 1950
Delta R.T. -0.351 min
Lab File: BG057195.D
Acq: 26 Apr 2023 16:46

Tgt Ion:165 Resp: 6752
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: 3.690 ng

RT: 16.027 min Scan# 2126

Delta R.T. -0.010 min

Lab File: BG057195.D

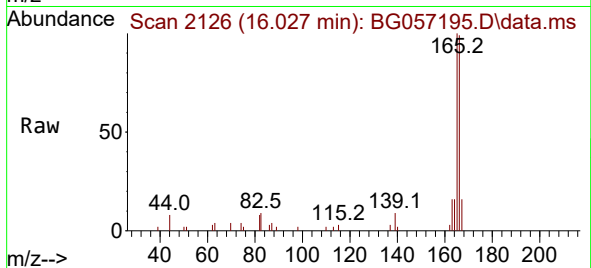
Acq: 26 Apr 2023 16:46

Instrument :

BNA_G

ClientSampleId :

SB-27-10-12-20230411DL



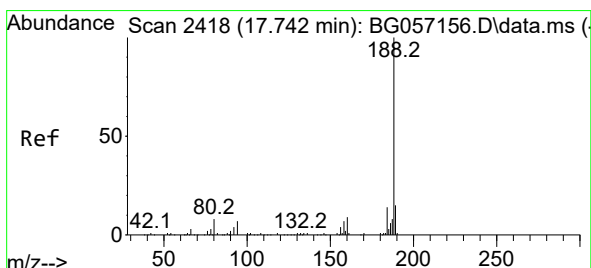
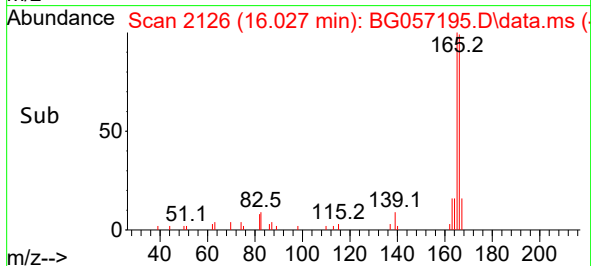
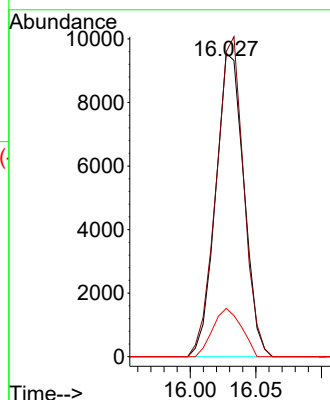
Tgt Ion:166 Resp: 14245

Ion Ratio Lower Upper

166 100

165 100.5 79.8 119.6

167 15.9 10.7 16.1



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.731 min Scan# 2416

Delta R.T. -0.004 min

Lab File: BG057195.D

Acq: 26 Apr 2023 16:46

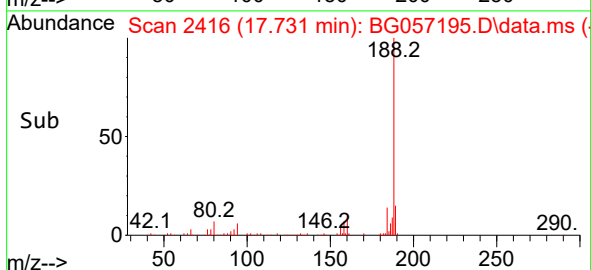
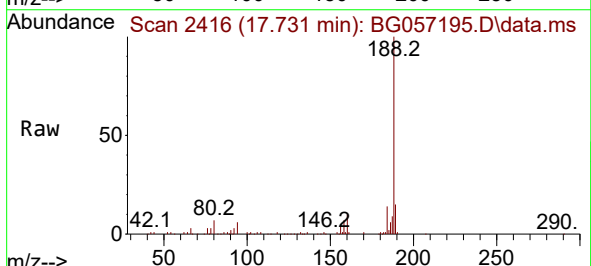
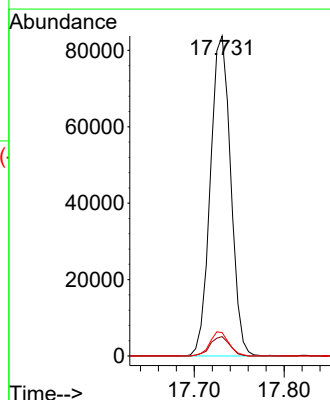
Tgt Ion:188 Resp: 131593

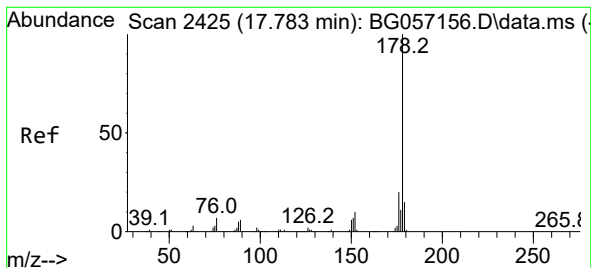
Ion Ratio Lower Upper

188 100

94 6.1 5.4 8.0

80 7.3 6.2 9.2





#71

Phenanthrene

Concen: 27.030 ng

RT: 17.772 min Scan# 2425

Delta R.T. -0.004 min

Lab File: BG057195.D

Acq: 26 Apr 2023 16:46

Instrument :

BNA_G

ClientSampleId :

SB-27-10-12-20230411DL

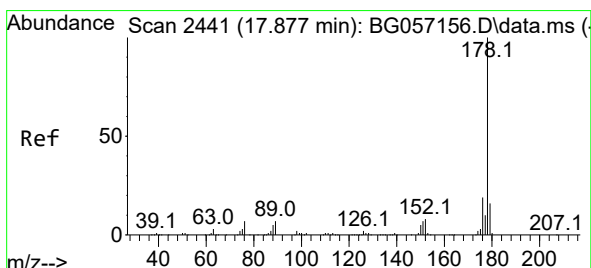
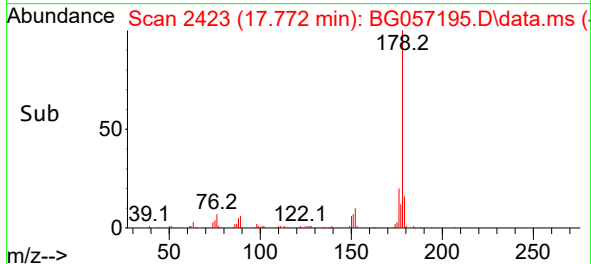
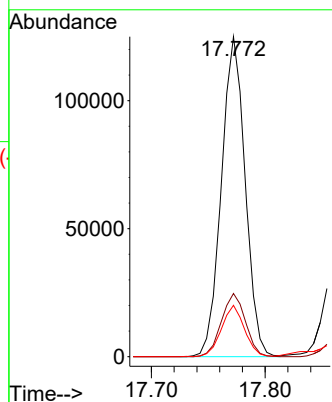
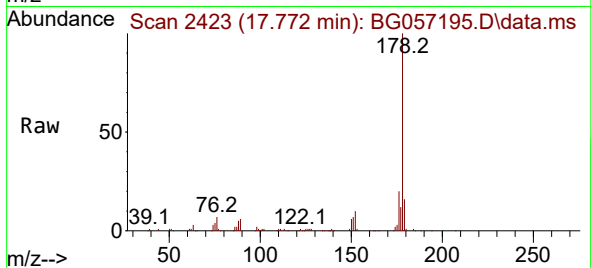
Tgt Ion:178 Resp: 181584

Ion Ratio Lower Upper

178 100

176 19.7 15.6 23.4

179 16.0 12.4 18.6



#72

Anthracene

Concen: 7.310 ng

RT: 17.860 min Scan# 2438

Delta R.T. -0.004 min

Lab File: BG057195.D

Acq: 26 Apr 2023 16:46

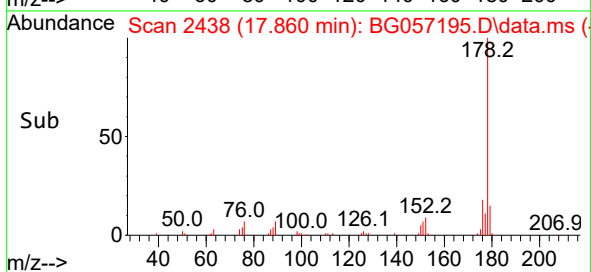
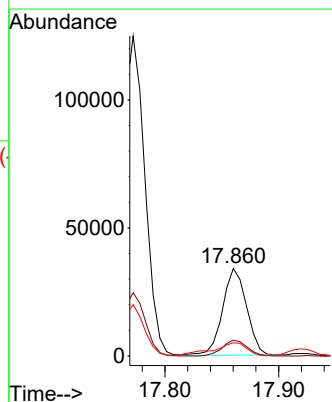
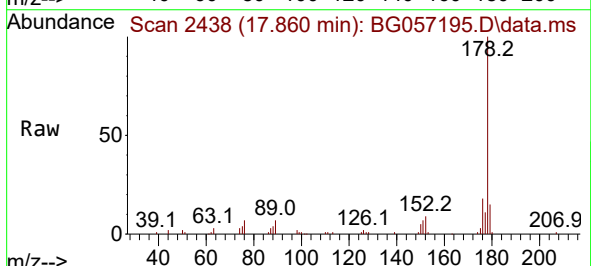
Tgt Ion:178 Resp: 49655

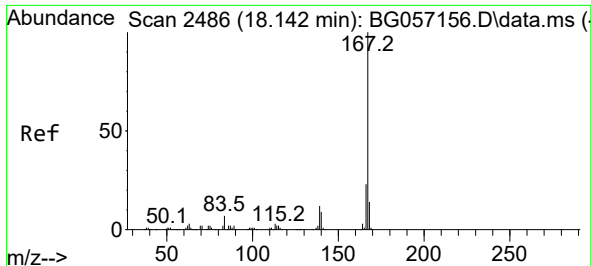
Ion Ratio Lower Upper

178 100

176 18.0 14.9 22.3

179 15.0 12.5 18.7

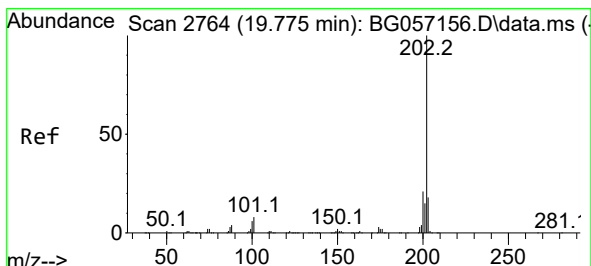
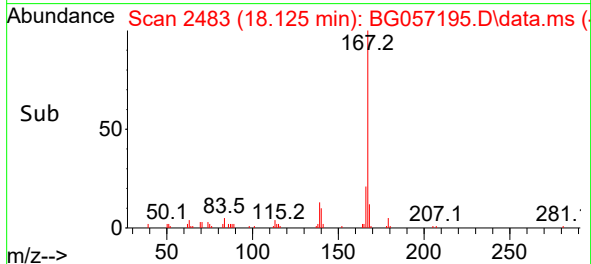
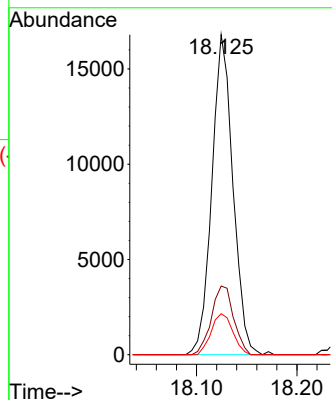
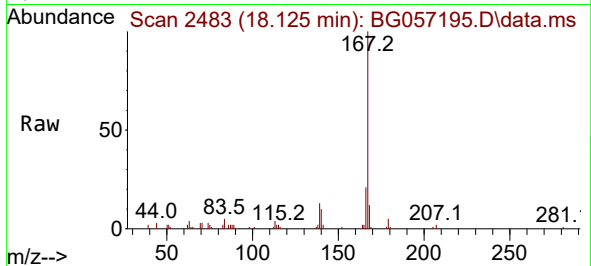




#73
 Carbazole
 Concen: 4.276 ng
 RT: 18.125 min Scan# 2483
 Delta R.T. -0.010 min
 Lab File: BG057195.D
 Acq: 26 Apr 2023 16:46

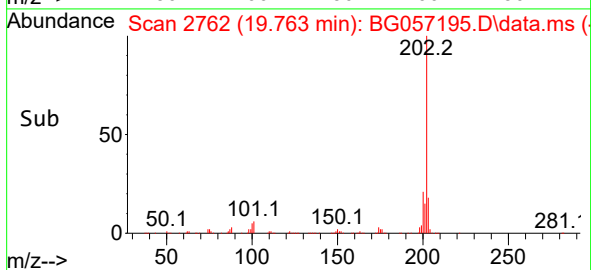
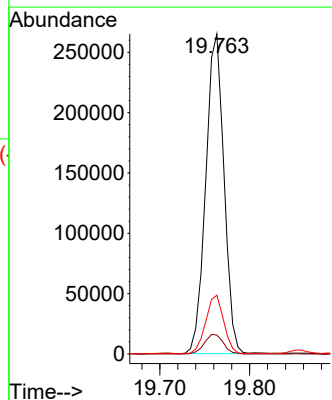
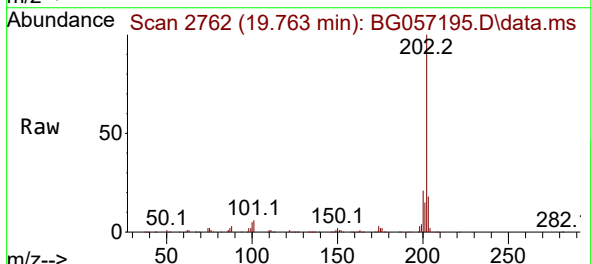
Instrument :
 BNA_G
 ClientSampleId :
 SB-27-10-12-20230411DL

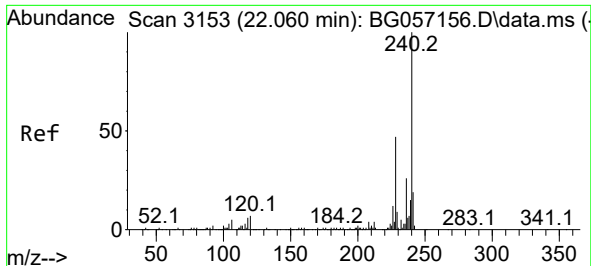
Tgt Ion:167 Resp: 24520
 Ion Ratio Lower Upper
 167 100
 166 21.4 18.3 27.5
 139 12.8 9.6 14.4



#75
 Fluoranthene
 Concen: 44.757 ng
 RT: 19.763 min Scan# 2762
 Delta R.T. -0.004 min
 Lab File: BG057195.D
 Acq: 26 Apr 2023 16:46

Tgt Ion:202 Resp: 373551
 Ion Ratio Lower Upper
 202 100
 101 5.9 0.0 27.6
 203 18.3 0.0 38.3

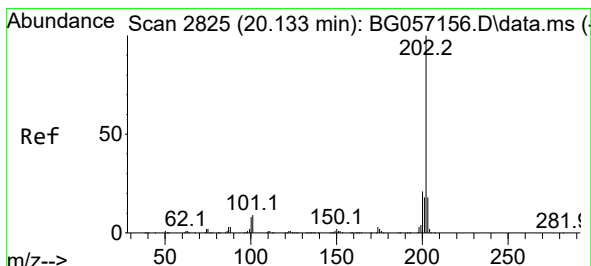
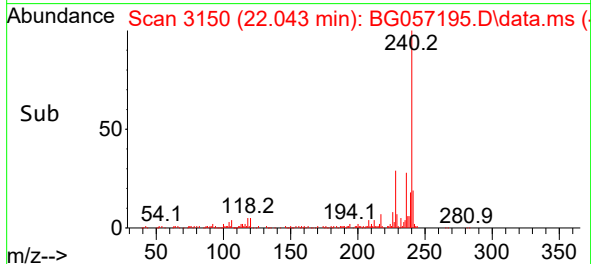
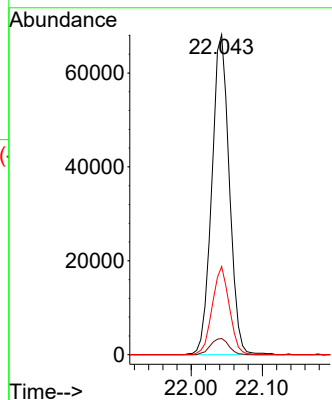
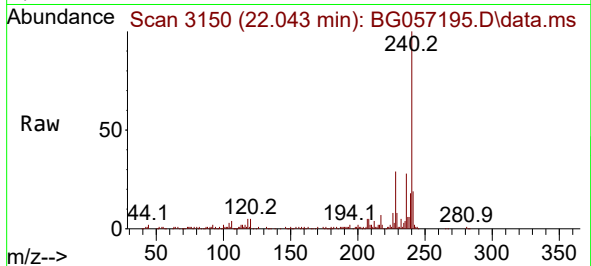




#76
Chrysene-d12
Concen: 20.000 ng
RT: 22.043 min Scan# 3150
Delta R.T. -0.004 min
Lab File: BG057195.D
Acq: 26 Apr 2023 16:46

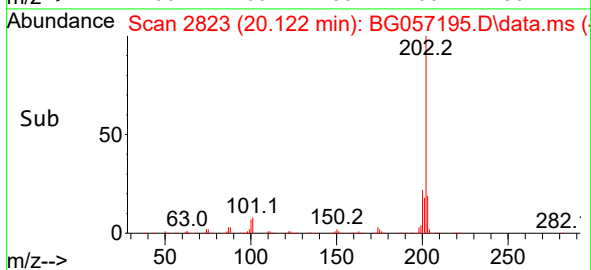
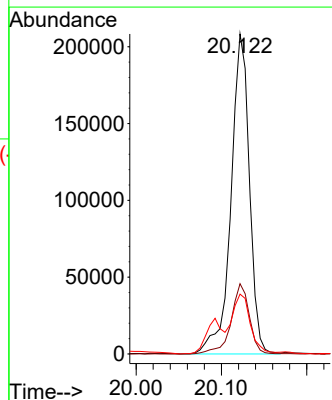
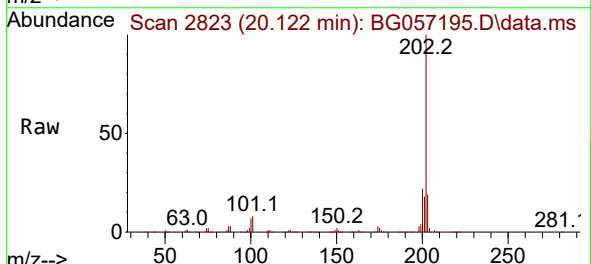
Instrument :
BNA_G
ClientSampleId :
SB-27-10-12-20230411DL

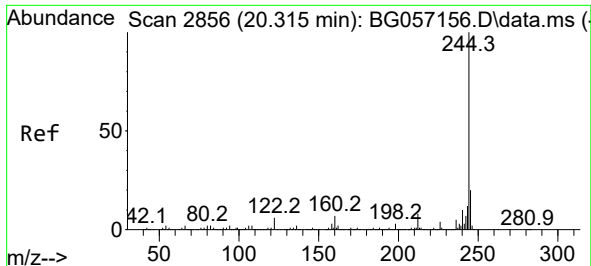
Tgt Ion:240 Resp: 116410
Ion Ratio Lower Upper
240 100
120 5.0 5.5 8.3#
236 27.5 20.8 31.2



#78
Pyrene
Concen: 39.596 ng
RT: 20.122 min Scan# 2823
Delta R.T. -0.004 min
Lab File: BG057195.D
Acq: 26 Apr 2023 16:46

Tgt Ion:202 Resp: 312953
Ion Ratio Lower Upper
202 100
200 22.0 17.0 25.4
203 18.7 14.7 22.1

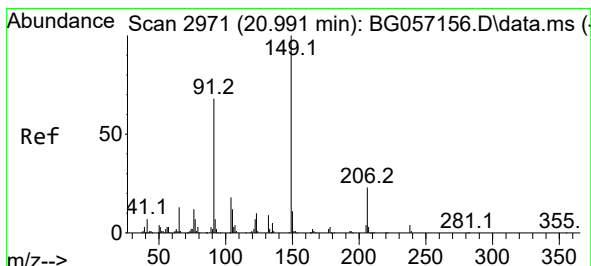
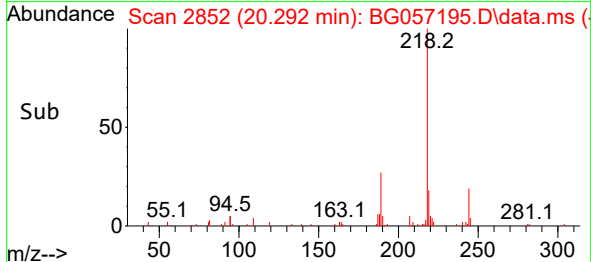
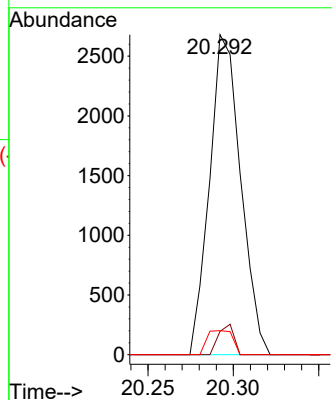
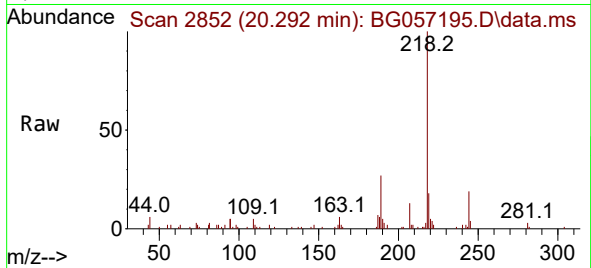




#79
 Terphenyl-d14
 Concen: 0.512 ng
 RT: 20.292 min Scan# 21
 Delta R.T. -0.010 min
 Lab File: BG057195.D
 Acq: 26 Apr 2023 16:46

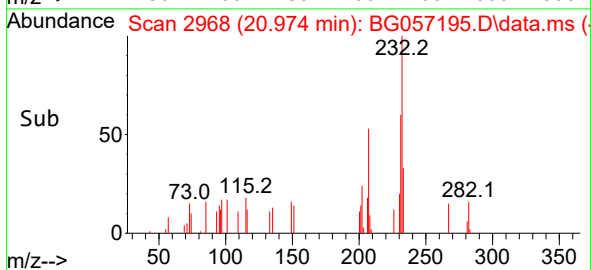
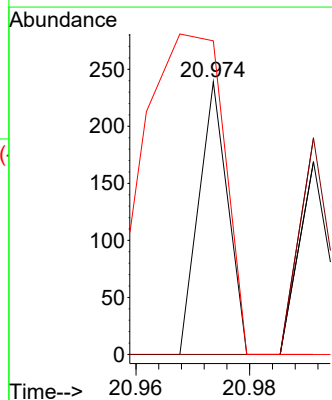
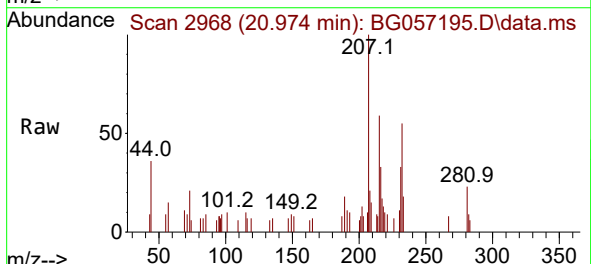
Instrument :
 BNA_G
 ClientSampleId :
 SB-27-10-12-20230411DL

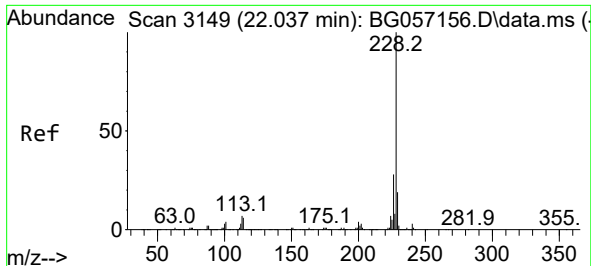
Tgt Ion:244 Resp: 3407
 Ion Ratio Lower Upper
 244 100
 212 7.3 6.0 9.0
 122 7.5 5.0 7.4#



#80
 Butylbenzylphthalate
 Concen: 3.252 ng
 RT: 20.974 min Scan# 2968
 Delta R.T. -0.004 min
 Lab File: BG057195.D
 Acq: 26 Apr 2023 16:46

Tgt Ion:149 Resp: 84
 Ion Ratio Lower Upper
 149 100
 91 0.0 54.1 81.1#
 206 115.1 18.2 27.2#

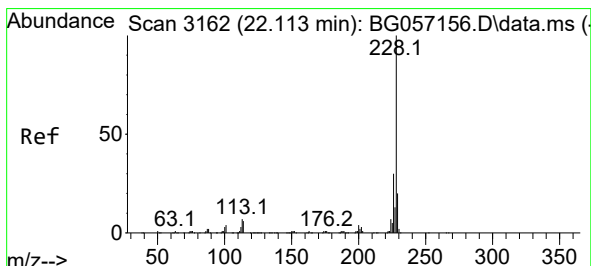
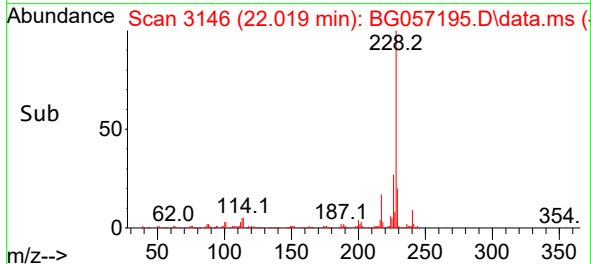
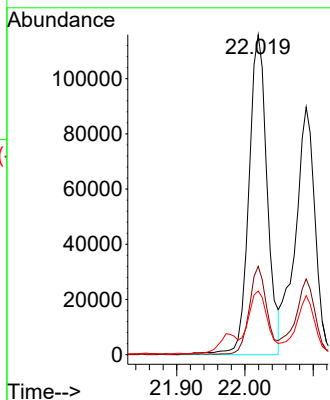
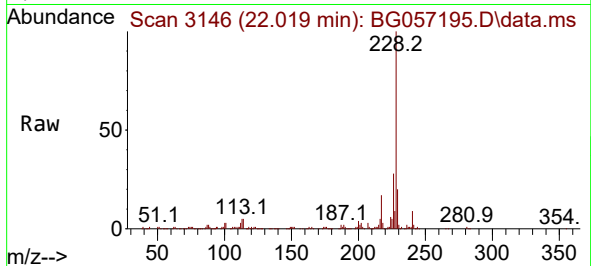




#81
Benzo(a)anthracene
Concen: 26.860 ng
RT: 22.019 min Scan# 3146
Delta R.T. -0.004 min
Lab File: BG057195.D
Acq: 26 Apr 2023 16:46

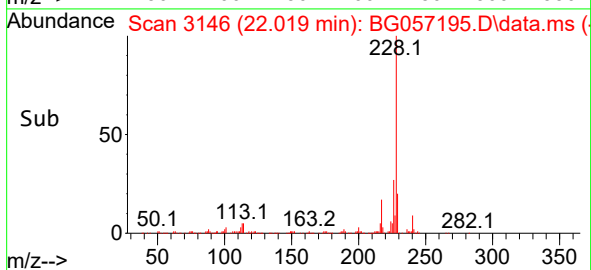
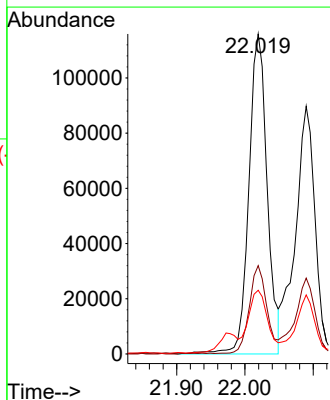
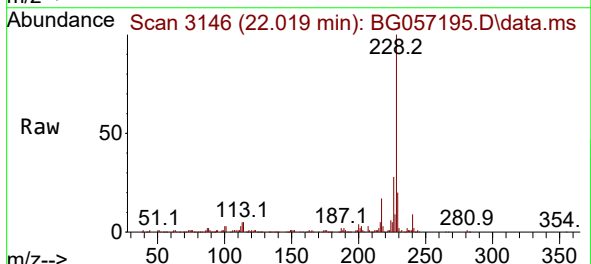
Instrument :
BNA_G
ClientSampleId :
SB-27-10-12-20230411DL

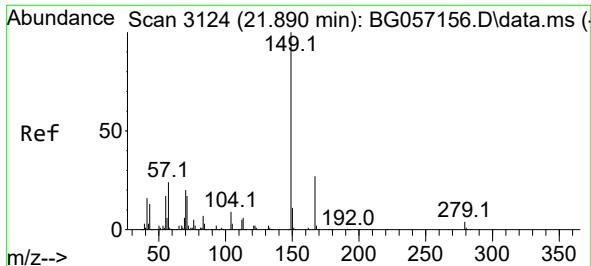
Tgt Ion:228 Resp: 214985
Ion Ratio Lower Upper
228 100
226 27.6 22.2 33.4
229 19.9 15.6 23.4



#83
Chrysene
Concen: 27.853 ng
RT: 22.019 min Scan# 3146
Delta R.T. -0.081 min
Lab File: BG057195.D
Acq: 26 Apr 2023 16:46

Tgt Ion:228 Resp: 214985
Ion Ratio Lower Upper
228 100
226 27.6 24.0 36.0
229 19.9 15.8 23.6

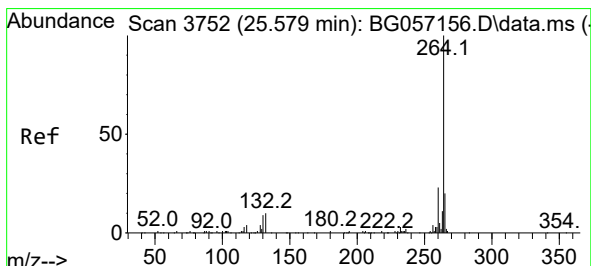
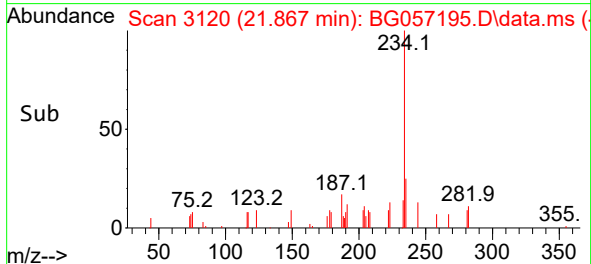
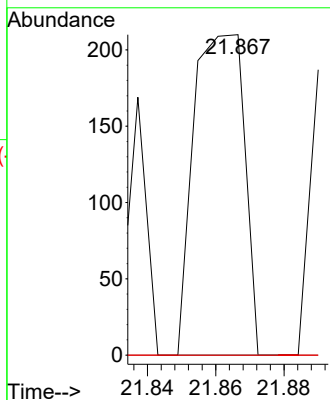
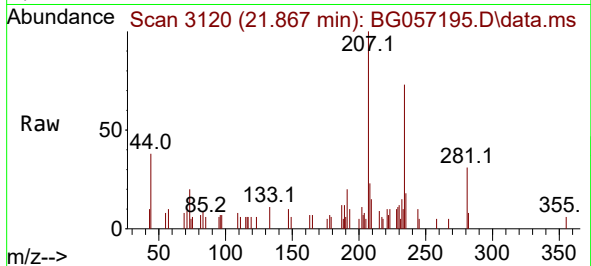




#84
Bis(2-ethylhexyl)phthalate
Concen: 3.596 ng
RT: 21.867 min Scan# 31
Delta R.T. -0.004 min
Lab File: BG057195.D
Acq: 26 Apr 2023 16:46

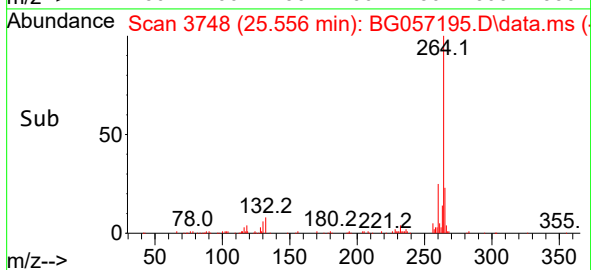
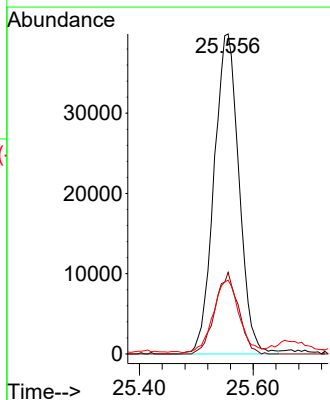
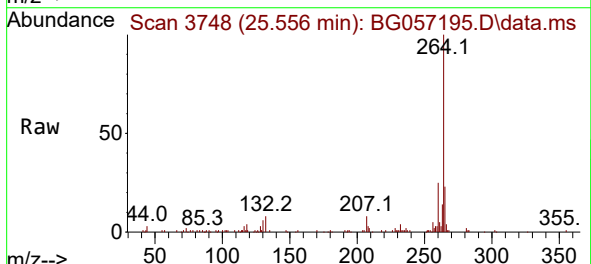
Instrument :
BNA_G
ClientSampleId :
SB-27-10-12-20230411DL

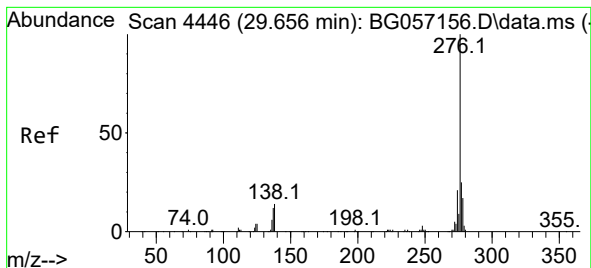
Tgt Ion:149 Resp: 216
Ion Ratio Lower Upper
149 100
167 0.0 21.9 32.9#
279 0.0 3.3 4.9#



#86
Perylene-d12
Concen: 20.000 ng
RT: 25.556 min Scan# 3748
Delta R.T. -0.004 min
Lab File: BG057195.D
Acq: 26 Apr 2023 16:46

Tgt Ion:264 Resp: 121740
Ion Ratio Lower Upper
264 100
260 25.5 18.8 28.2
265 23.0 16.4 24.6





#87

Indeno(1,2,3-cd)pyrene

Concen: 10.157 ng

RT: 29.603 min Scan# 4437

Delta R.T. -0.022 min

Lab File: BG057195.D

Acq: 26 Apr 2023 16:46

Instrument :

BNA_G

ClientSampleId :

SB-27-10-12-20230411DL

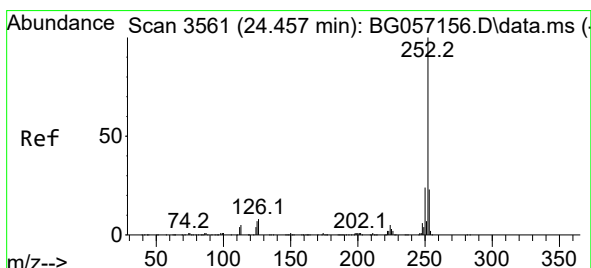
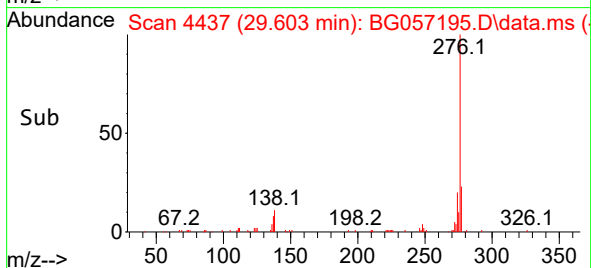
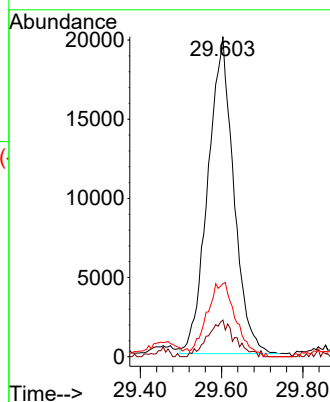
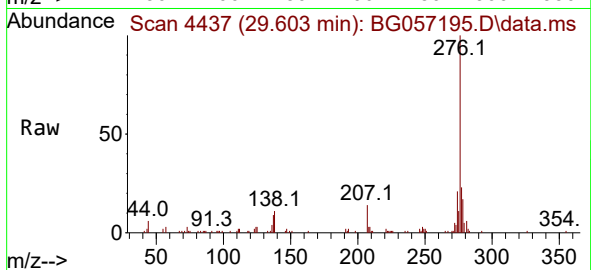
Tgt Ion:276 Resp: 88574

Ion Ratio Lower Upper

276 100

138 12.1 13.8 20.6#

277 26.1 20.4 30.6



#88

Benzo(b)fluoranthene

Concen: 32.905 ng

RT: 24.428 min Scan# 3556

Delta R.T. -0.010 min

Lab File: BG057195.D

Acq: 26 Apr 2023 16:46

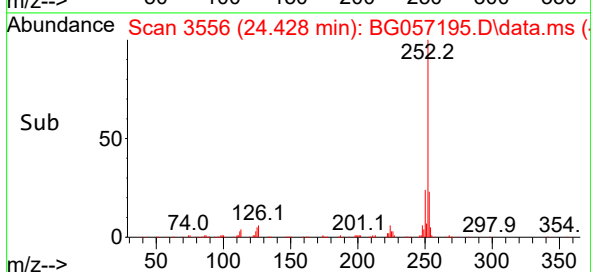
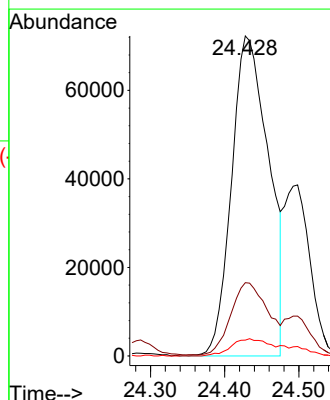
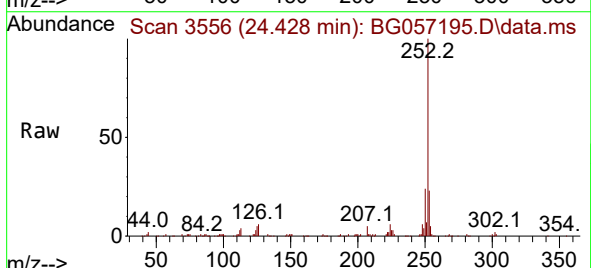
Tgt Ion:252 Resp: 251109

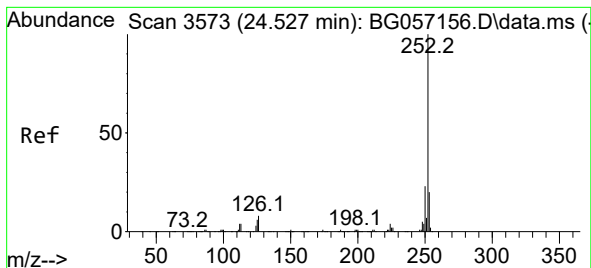
Ion Ratio Lower Upper

252 100

253 22.9 18.2 27.2

125 4.9 5.3 7.9#





#89

Benzo(k)fluoranthene

Concen: 31.811 ng

RT: 24.428 min Scan# 3

Delta R.T. -0.081 min

Lab File: BG057195.D

Acq: 26 Apr 2023 16:46

Instrument :

BNA_G

ClientSampleId :

SB-27-10-12-20230411DL

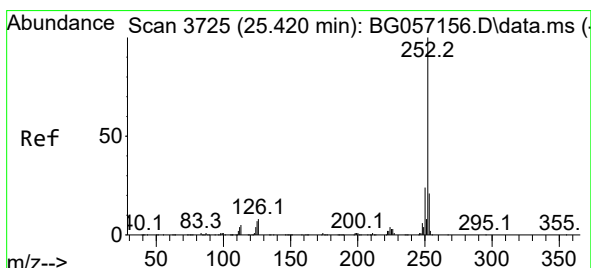
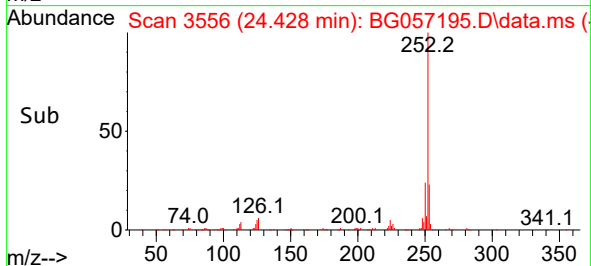
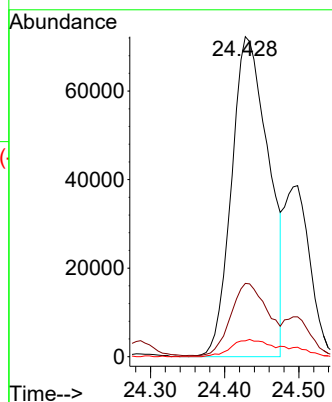
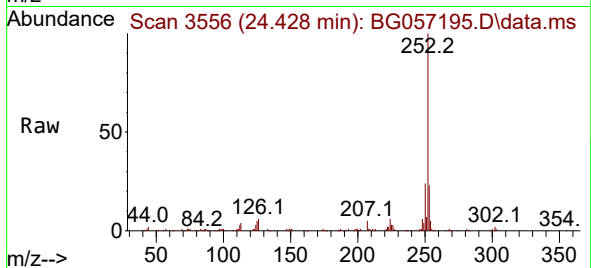
Tgt Ion:252 Resp: 251109

Ion Ratio Lower Upper

252 100

253 22.9 16.7 25.1

125 4.9 5.0 7.6#



#90

Benzo(a)pyrene

Concen: 15.475 ng

RT: 25.227 min Scan# 3692

Delta R.T. -0.169 min

Lab File: BG057195.D

Acq: 26 Apr 2023 16:46

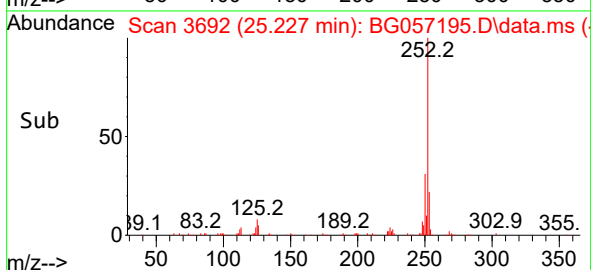
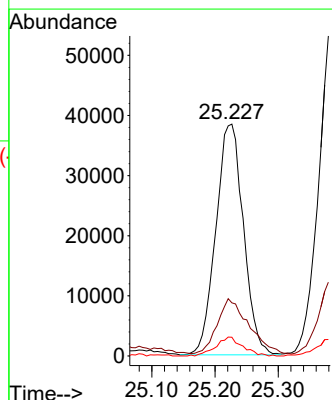
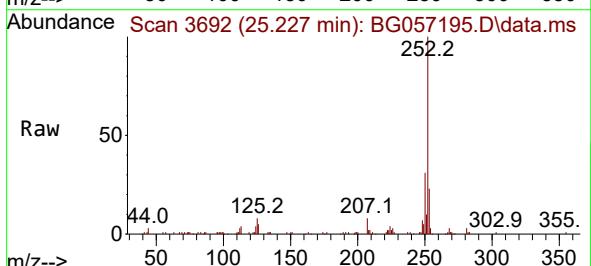
Tgt Ion:252 Resp: 116320

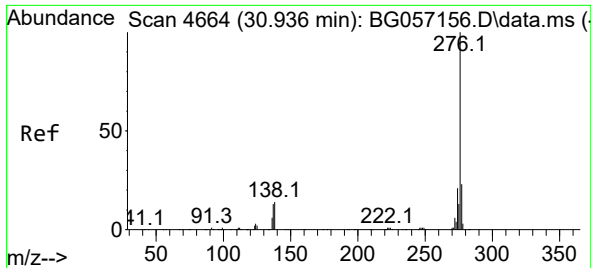
Ion Ratio Lower Upper

252 100

253 22.9 17.0 25.6

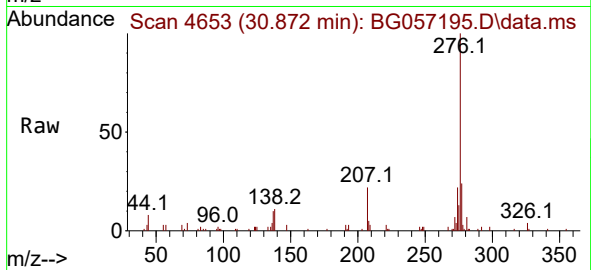
125 8.1 5.8 8.8





#92
 Benzo(g,h,i)perylene
 Concen: 11.532 ng
 RT: 30.872 min Scan# 4653
 Delta R.T. -0.028 min
 Lab File: BG057195.D
 Acq: 26 Apr 2023 16:46

Instrument :
 BNA_G
 ClientSampleId :
 SB-27-10-12-20230411DL



Tgt Ion	Ratio	Lower	Upper
276	100		
277	24.2	18.5	27.7
138	11.2	11.5	17.3

