

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG062023\
 Data File : BG057783.D
 Acq On : 20 Jun 2023 19:43
 Operator : CG/JU
 Sample : 03289-08 2X
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SB-03-4.0-6.0

Quant Time: Jun 21 01:05:41 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)

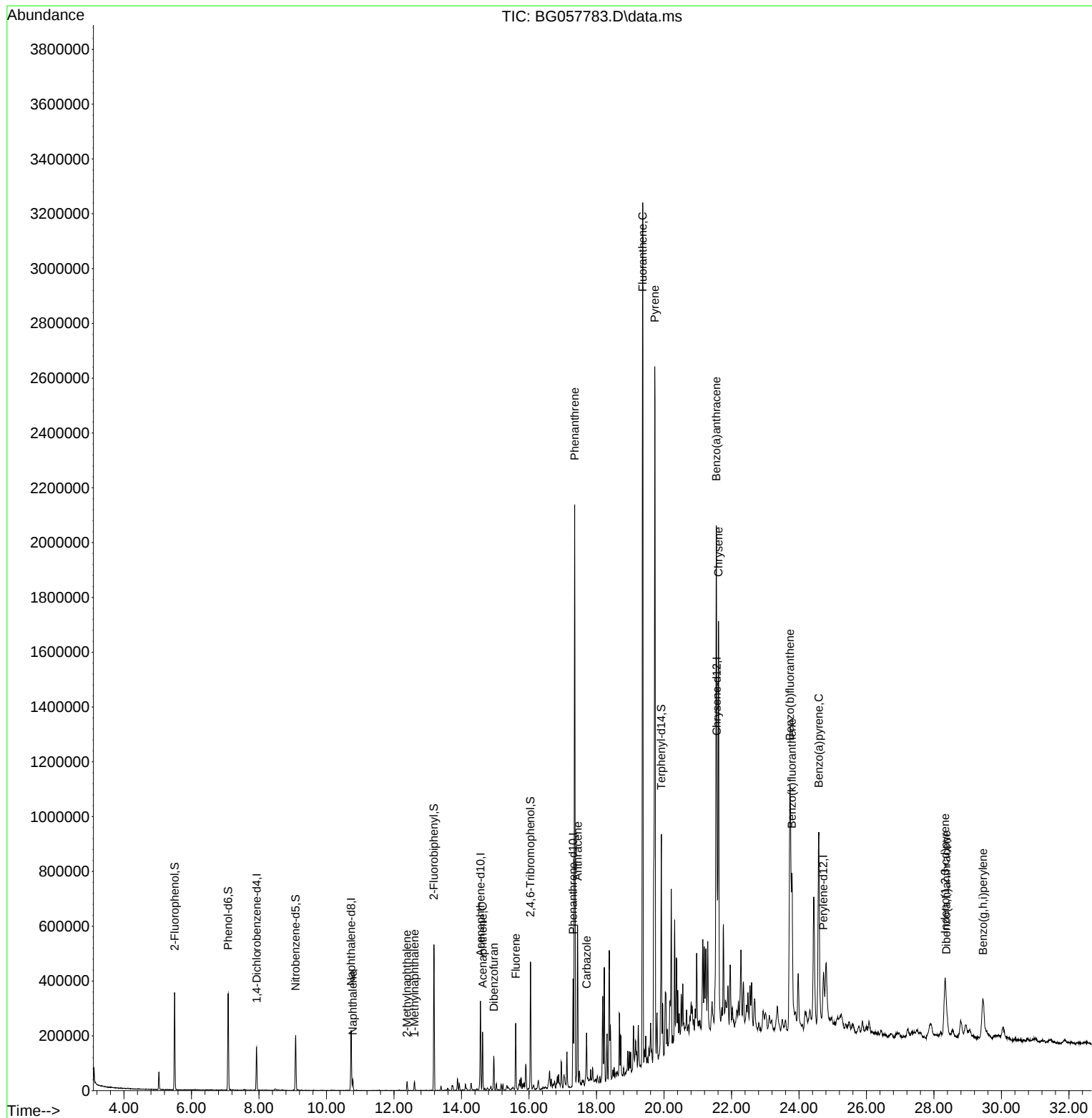
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.931	152	42591	20.000	ng	0.00
21) Naphthalene-d8	10.733	136	182069	20.000	ng	0.00
39) Acenaphthene-d10	14.564	164	117958	20.000	ng	0.00
64) Phenanthrene-d10	17.308	188	248916	20.000	ng	0.00
76) Chrysene-d12	21.567	240	188730	20.000	ng	0.00
86) Perylene-d12	24.723	264	208072	20.000	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.504	112	147119	53.261	ng	0.00
7) Phenol-d6	7.084	99	205747	48.816	ng	0.00
23) Nitrobenzene-d5	9.088	82	118847	33.502	ng	0.00
42) 2,4,6-Tribromophenol	16.045	330	77628	47.244	ng	0.00
45) 2-Fluorobiphenyl	13.183	172	276007	35.490	ng	0.00
79) Terphenyl-d14	19.922	244	391697	38.700	ng	0.00
Target Compounds						Qvalue
31) Naphthalene	10.780	128	32247	3.328	ng	99
37) 2-Methylnaphthalene	12.384	142	15642	2.215	ng	91
38) 1-Methylnaphthalene	12.607	142	14862	2.229	ng	97
52) Acenaphthene	14.629	154	74798	11.313	ng	98
55) Dibenzofuran	14.958	168	67074	6.309	ng	99
58) Fluorene	15.610	166	105020	12.479	ng	97
71) Phenanthrene	17.355	178	1320189	109.540	ng	99
72) Anthracene	17.443	178	379132	30.807	ng	100
73) Carbazole	17.707	167	112673	9.930	ng	99
75) Fluoranthene	19.370	202	2008940	139.921	ng	97
78) Pyrene	19.728	202	1740412	129.273	ng	96
81) Benzo(a)anthracene	21.550	228	1170658	90.408	ng	97
83) Chrysene	21.615	228	1039028m	83.613	ng	
87) Indeno(1,2,3-cd)pyrene	28.330	276	393691	28.939	ng	# 93
88) Benzo(b)fluoranthene	23.736	252	1255887	110.145	ng	96
89) Benzo(k)fluoranthene	23.788	252	502988m	43.313	ng	
90) Benzo(a)pyrene	24.587	252	908551	81.135	ng	96
91) Dibenzo(a,h)anthracene	28.365	278	103324	9.154	ng	# 87
92) Benzo(g,h,i)perylene	29.452	276	345864	30.602	ng	98

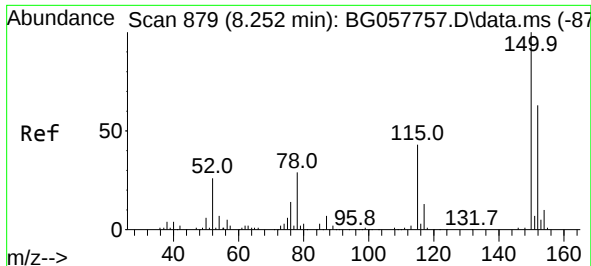
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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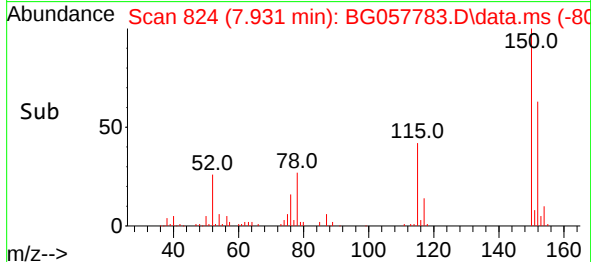
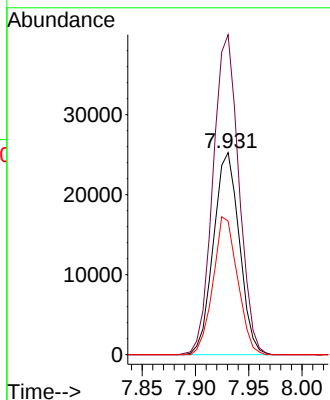
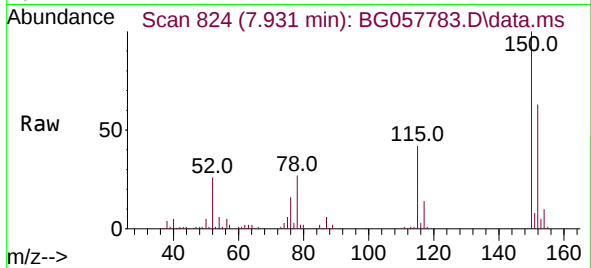




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.931 min Scan# 81
Delta R.T. 0.002 min
Lab File: BG057783.D
Acq: 20 Jun 2023 19:43

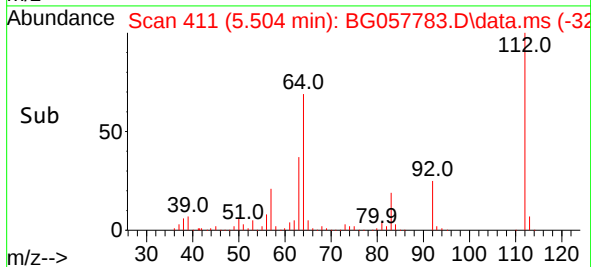
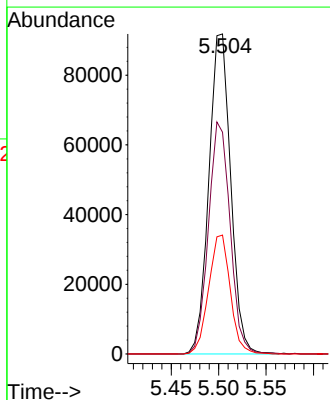
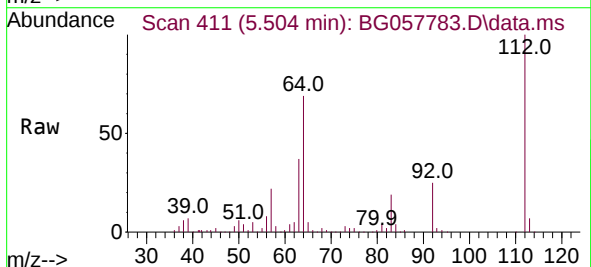
Instrument :
BNA_G
ClientSampleId :
SB-03-4.0-6.0

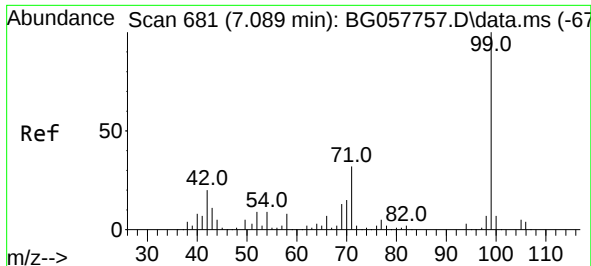
Tgt Ion:152 Resp: 42591
Ion Ratio Lower Upper
152 100
150 158.4 126.6 189.8
115 66.1 48.9 73.3



#5
2-Fluorophenol
Concen: 53.261 ng
RT: 5.504 min Scan# 411
Delta R.T. 0.007 min
Lab File: BG057783.D
Acq: 20 Jun 2023 19:43

Tgt Ion:112 Resp: 147119
Ion Ratio Lower Upper
112 100
64 69.3 62.1 93.1
63 37.2 31.5 47.3

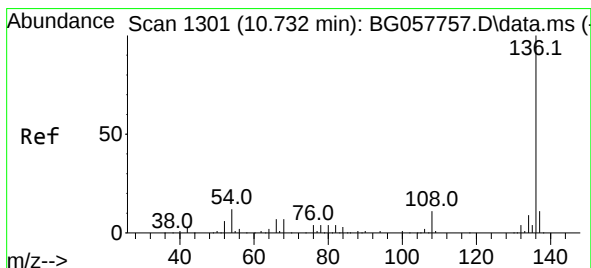
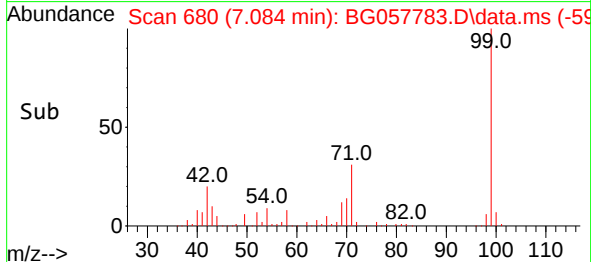
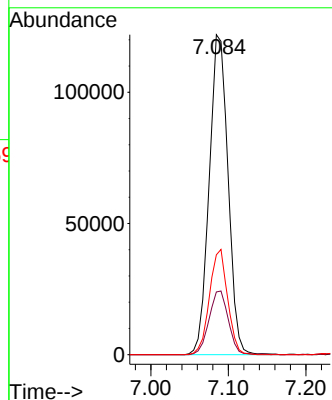
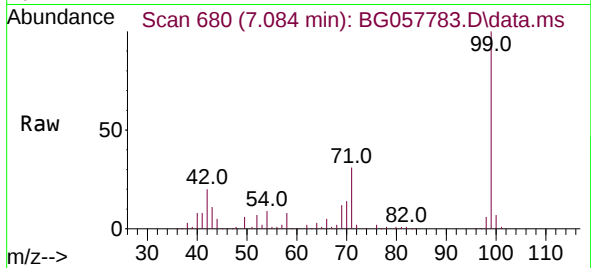




#7
Phenol-d6
Concen: 48.816 ng
RT: 7.084 min Scan# 61
Delta R.T. -0.004 min
Lab File: BG057783.D
Acq: 20 Jun 2023 19:43

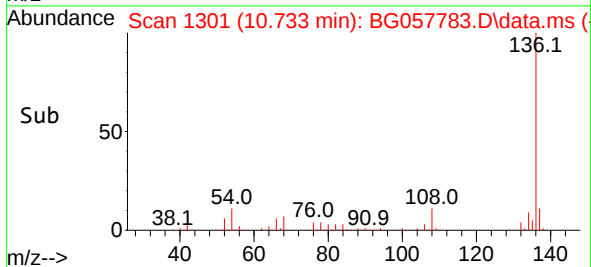
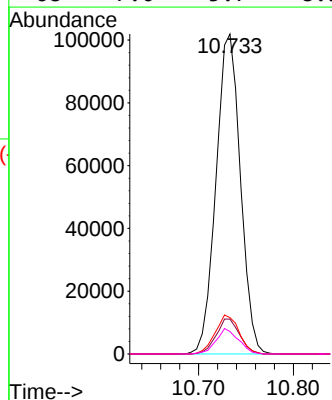
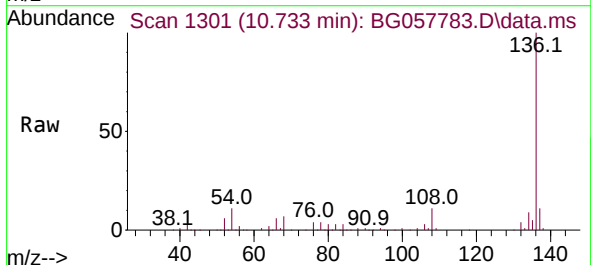
Instrument :
BNA_G
ClientSampleId :
SB-03-4.0-6.0

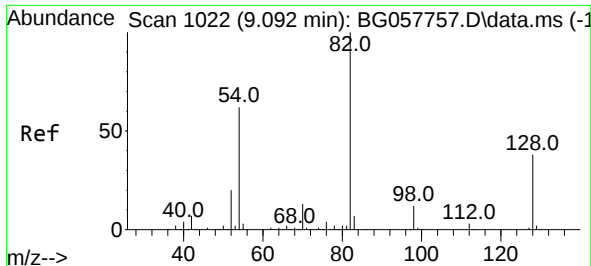
Tgt Ion: 99 Resp: 205747
Ion Ratio Lower Upper
99 100
42 19.6 16.4 24.6
71 31.2 25.8 38.6



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.733 min Scan# 1301
Delta R.T. 0.001 min
Lab File: BG057783.D
Acq: 20 Jun 2023 19:43

Tgt Ion: 136 Resp: 182069
Ion Ratio Lower Upper
136 100
137 10.9 8.5 12.7
54 11.3 9.5 14.3
68 7.0 5.7 8.5





#23

Nitrobenzene-d5

Concen: 33.502 ng

RT: 9.088 min Scan# 1021

Delta R.T. -0.004 min

Lab File: BG057783.D

Acq: 20 Jun 2023 19:43

Instrument :

BNA_G

ClientSampleId :

SB-03-4.0-6.0

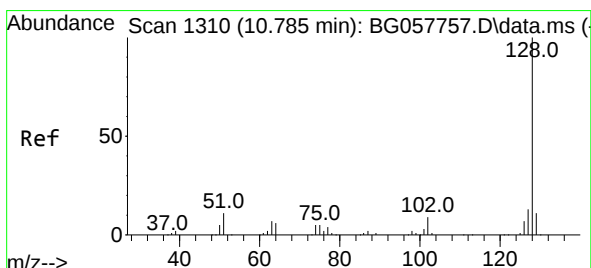
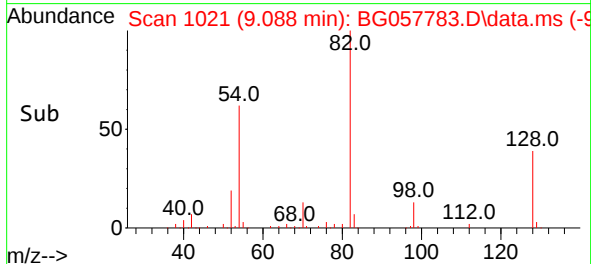
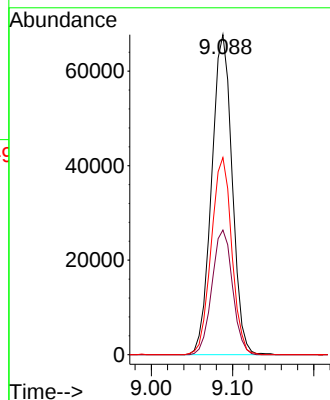
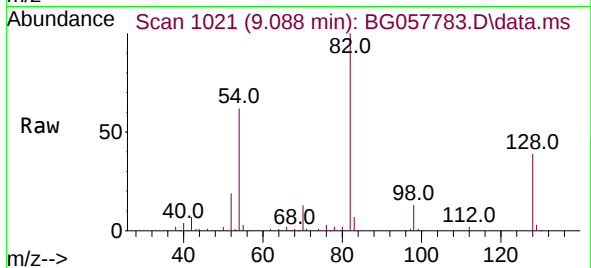
Tgt Ion: 82 Resp: 118847

Ion Ratio Lower Upper

82 100

128 39.0 30.7 46.1

54 61.6 49.6 74.4



#31

Naphthalene

Concen: 3.328 ng

RT: 10.780 min Scan# 1309

Delta R.T. -0.004 min

Lab File: BG057783.D

Acq: 20 Jun 2023 19:43

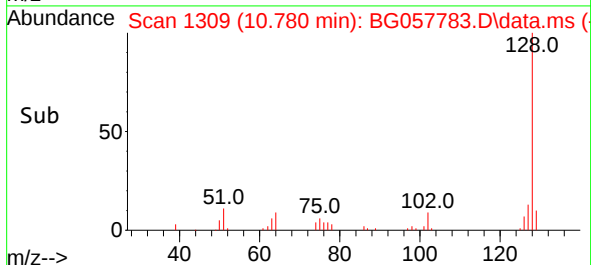
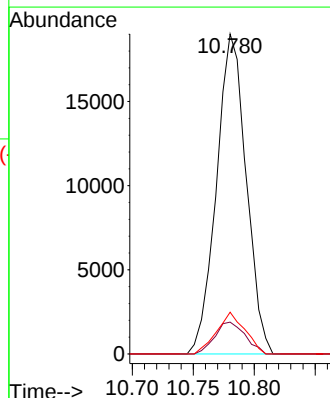
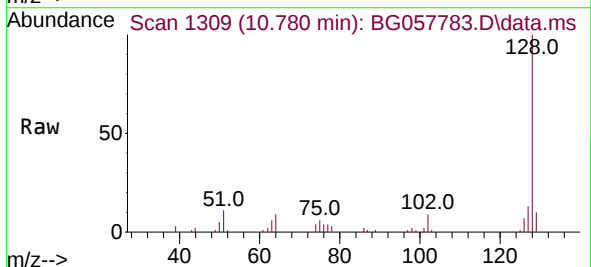
Tgt Ion:128 Resp: 32247

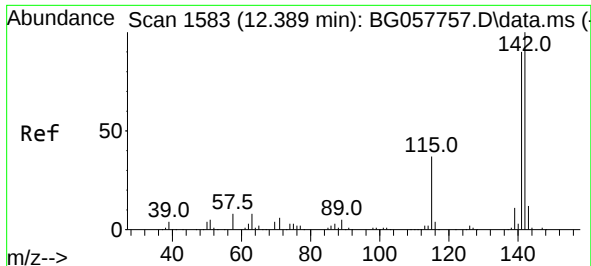
Ion Ratio Lower Upper

128 100

129 9.9 8.5 12.7

127 13.1 10.7 16.1

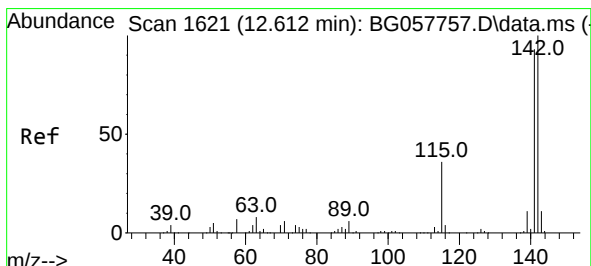
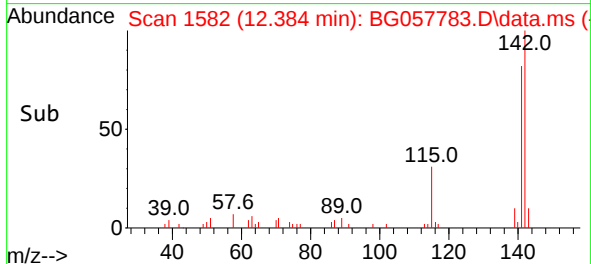
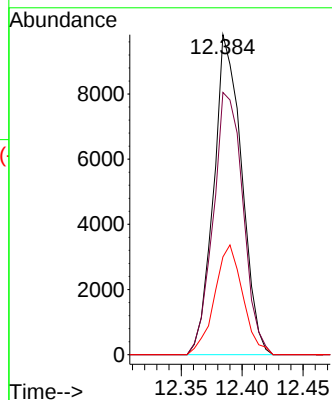
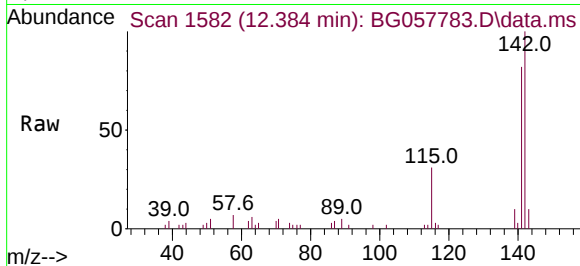




#37
2-Methylnaphthalene
Concen: 2.215 ng
RT: 12.384 min Scan# 1583
Delta R.T. -0.005 min
Lab File: BG057783.D
Acq: 20 Jun 2023 19:43

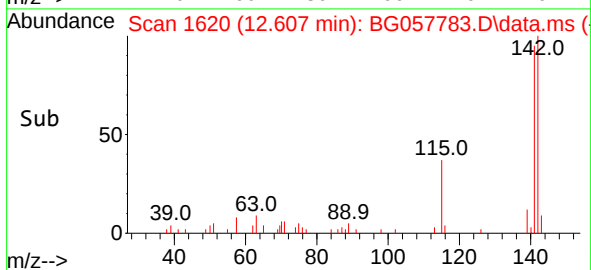
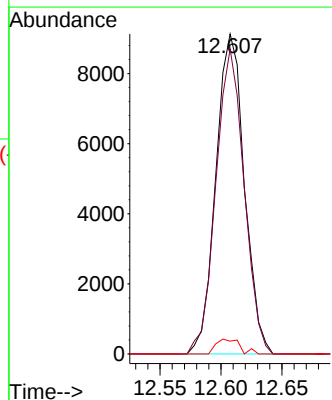
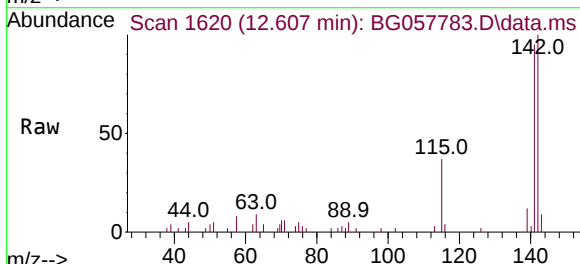
Instrument :
BNA_G
ClientSampleId :
SB-03-4.0-6.0

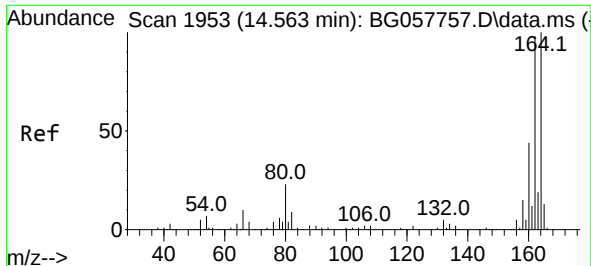
Tgt Ion:142	Resp:	15642
Ion Ratio	Lower	Upper
142	100	
141	81.9	72.1 108.1
115	30.6	29.7 44.5



#38
1-Methylnaphthalene
Concen: 2.229 ng
RT: 12.607 min Scan# 1620
Delta R.T. -0.005 min
Lab File: BG057783.D
Acq: 20 Jun 2023 19:43

Tgt Ion:142	Resp:	14862
Ion Ratio	Lower	Upper
142	100	
141	95.4	74.2 111.4
116	4.0	3.1 4.7

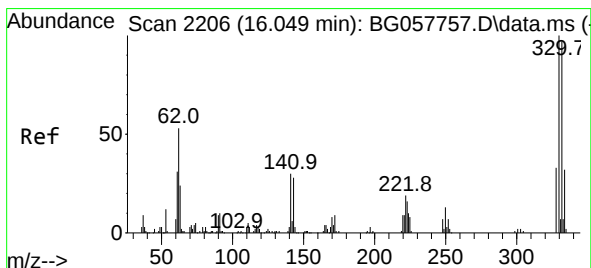
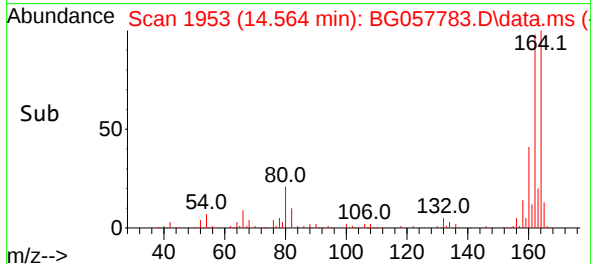
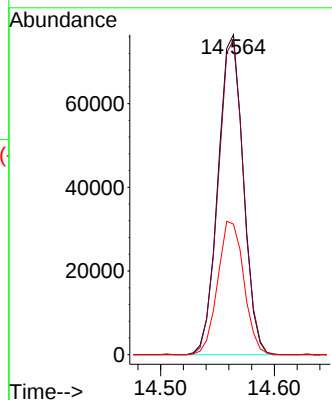
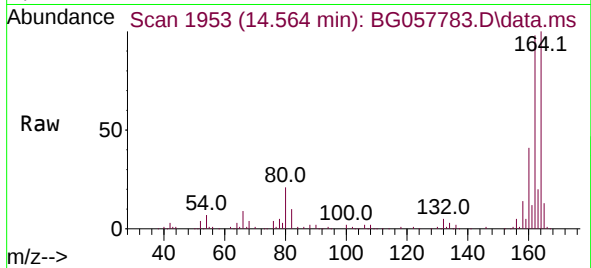




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.564 min Scan# 1953
Delta R.T. 0.001 min
Lab File: BG057783.D
Acq: 20 Jun 2023 19:43

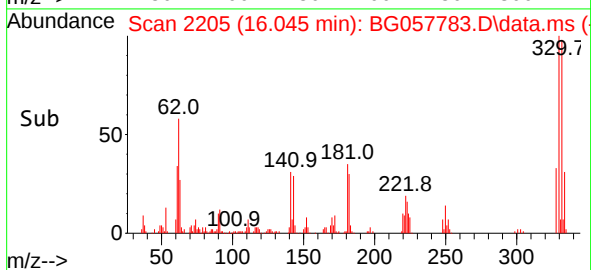
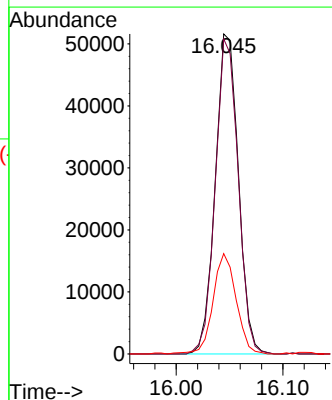
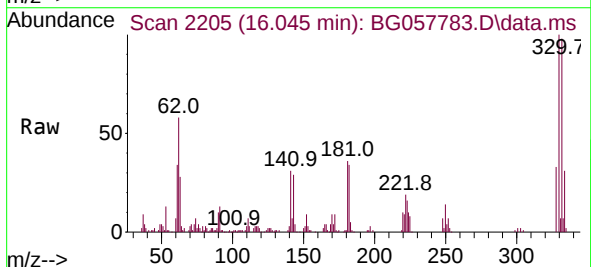
Instrument :
BNA_G
ClientSampleId :
SB-03-4.0-6.0

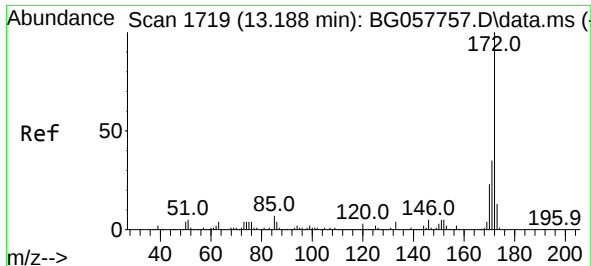
Tgt Ion:164 Resp: 117958
Ion Ratio Lower Upper
164 100
162 98.2 78.3 117.5
160 40.8 35.4 53.0



#42
2,4,6-Tribromophenol
Concen: 47.244 ng
RT: 16.045 min Scan# 2205
Delta R.T. -0.005 min
Lab File: BG057783.D
Acq: 20 Jun 2023 19:43

Tgt Ion:330 Resp: 77628
Ion Ratio Lower Upper
330 100
332 97.1 76.6 115.0
141 31.3 24.7 37.1

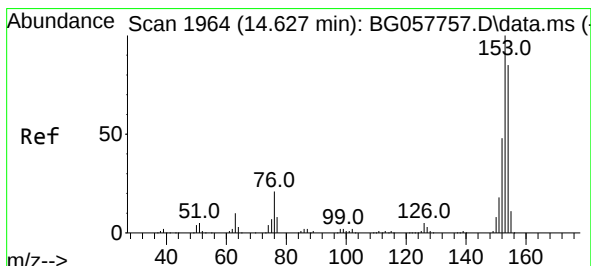
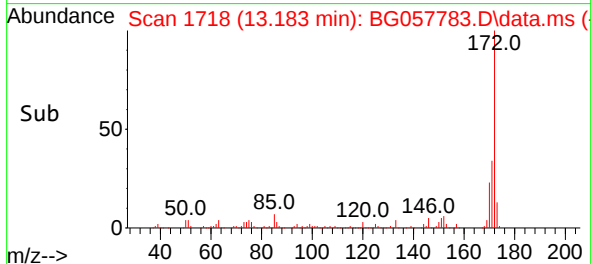
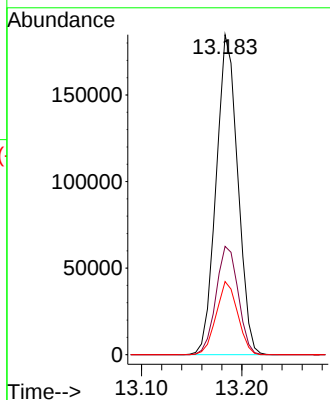
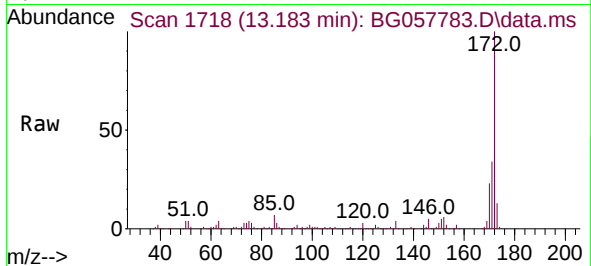




#45
2-Fluorobiphenyl
Concen: 35.490 ng
RT: 13.183 min Scan# 1719
Delta R.T. -0.004 min
Lab File: BG057783.D
Acq: 20 Jun 2023 19:43

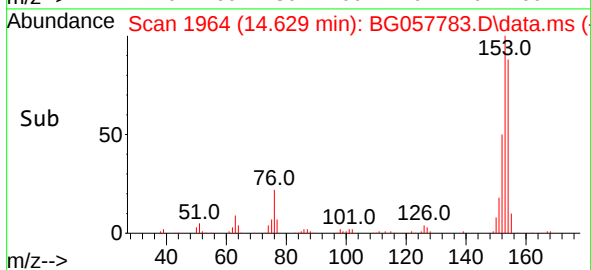
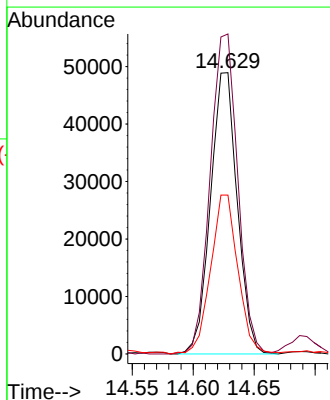
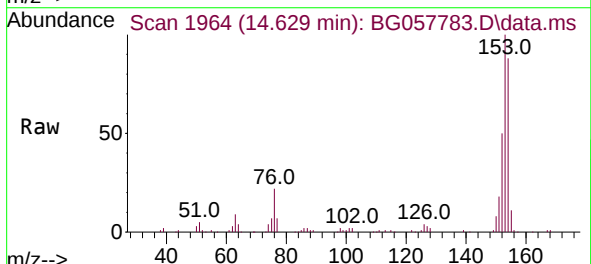
Instrument :
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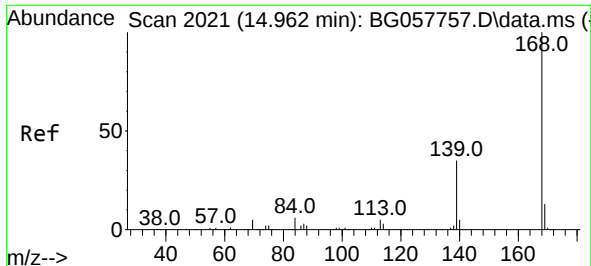
Tgt Ion:172 Resp: 276007
Ion Ratio Lower Upper
172 100
171 33.8 28.1 42.1
170 22.9 18.6 27.8



#52
Acenaphthene
Concen: 11.313 ng
RT: 14.629 min Scan# 1964
Delta R.T. 0.001 min
Lab File: BG057783.D
Acq: 20 Jun 2023 19:43

Tgt Ion:154 Resp: 74798
Ion Ratio Lower Upper
154 100
153 113.8 93.6 140.4
152 56.5 44.7 67.1

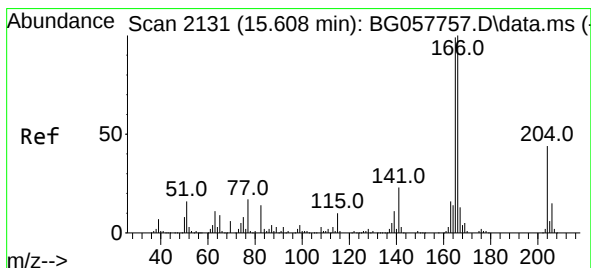
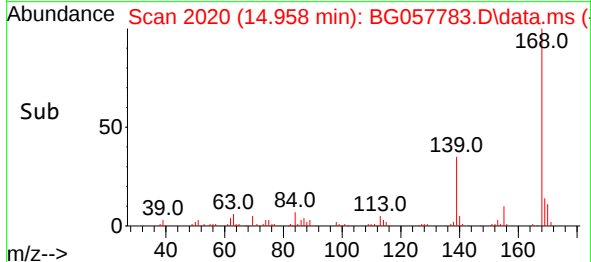
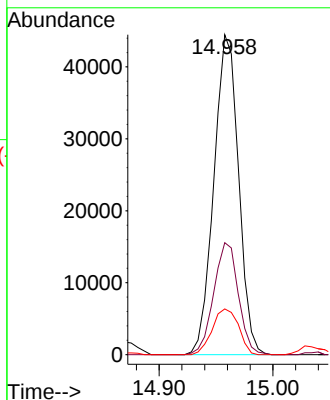
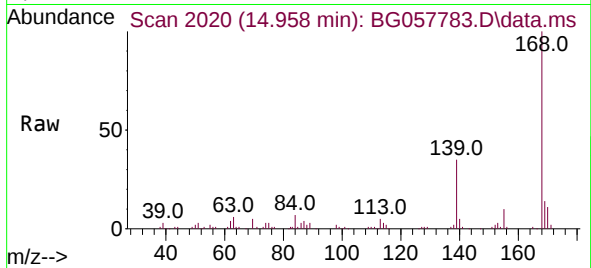




#55
Dibenzenofuran
Concen: 6.309 ng
RT: 14.958 min Scan# 2021
Delta R.T. -0.005 min
Lab File: BG057783.D
Acq: 20 Jun 2023 19:43

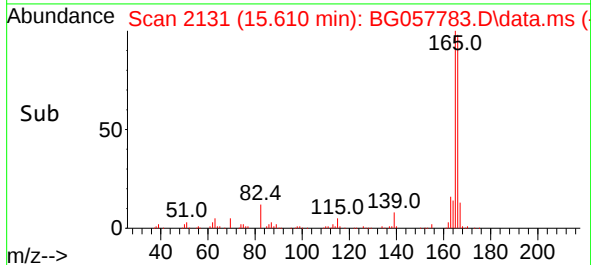
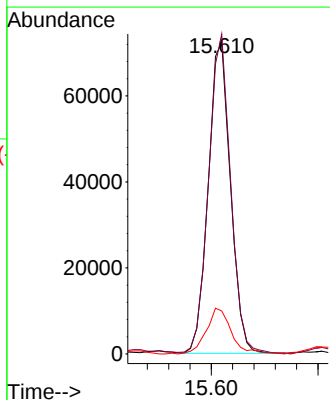
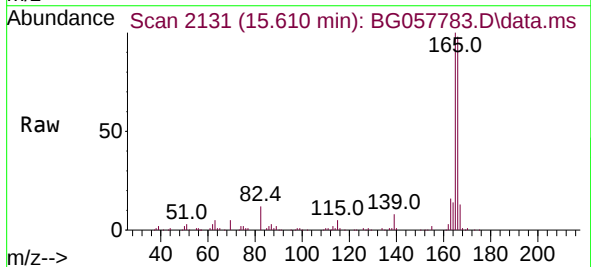
Instrument :
BNA_G
ClientSampleId :
SB-03-4.0-6.0

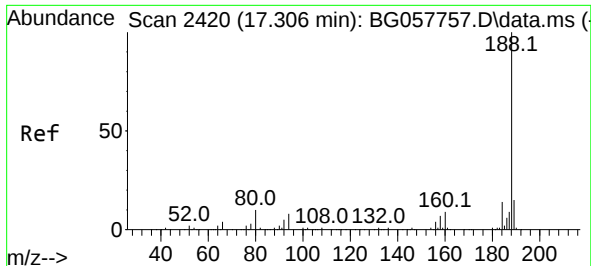
Tgt Ion:168 Resp: 67074
Ion Ratio Lower Upper
168 100
139 35.0 28.1 42.1
169 14.3 10.7 16.1



#58
Fluorene
Concen: 12.479 ng
RT: 15.610 min Scan# 2131
Delta R.T. 0.001 min
Lab File: BG057783.D
Acq: 20 Jun 2023 19:43

Tgt Ion:166 Resp: 105020
Ion Ratio Lower Upper
166 100
165 102.5 79.5 119.3
167 13.8 10.6 16.0

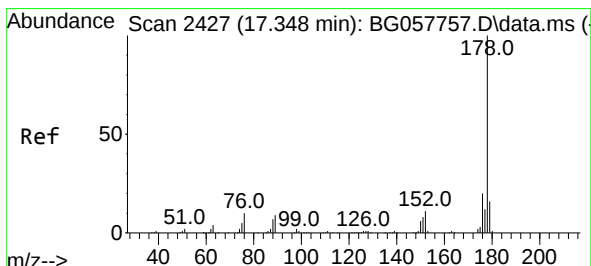
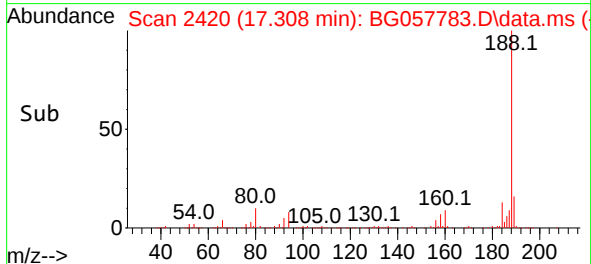
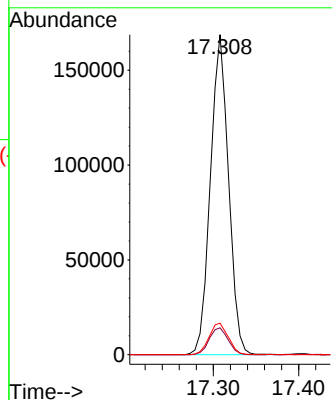
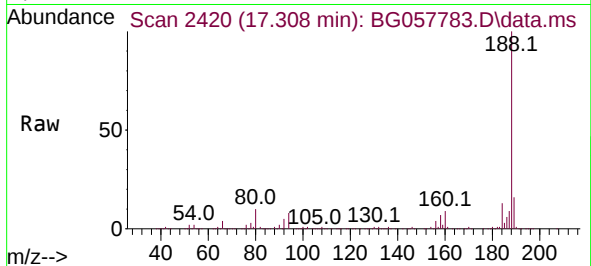




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.308 min Scan# 2420
Delta R.T. 0.001 min
Lab File: BG057783.D
Acq: 20 Jun 2023 19:43

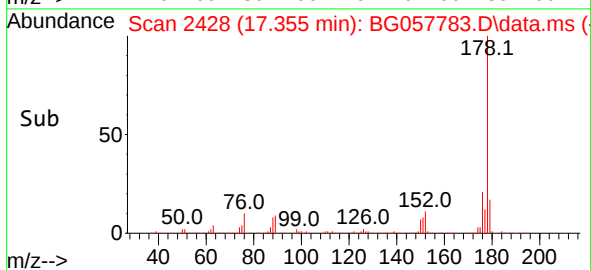
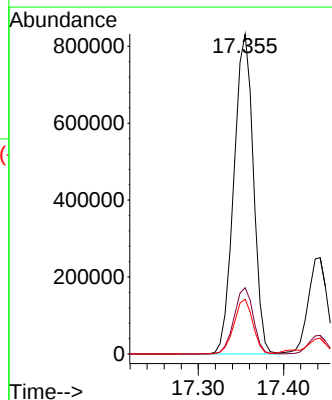
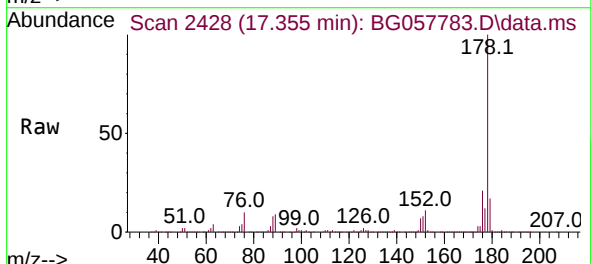
Instrument :
BNA_G
ClientSampleId :
SB-03-4.0-6.0

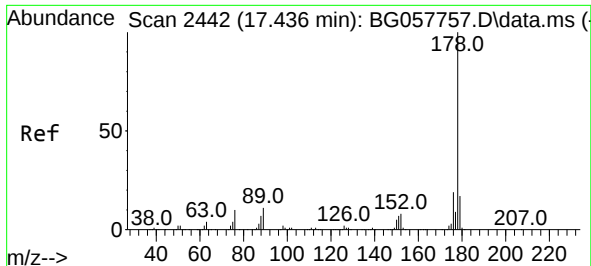
Tgt Ion:188 Resp: 248916
Ion Ratio Lower Upper
188 100
94 8.4 6.6 9.8
80 9.9 7.6 11.4



#71
Phenanthrene
Concen: 109.540 ng
RT: 17.355 min Scan# 2428
Delta R.T. 0.007 min
Lab File: BG057783.D
Acq: 20 Jun 2023 19:43

Tgt Ion:178 Resp: 1320189
Ion Ratio Lower Upper
178 100
176 20.7 16.3 24.5
179 17.1 13.0 19.6

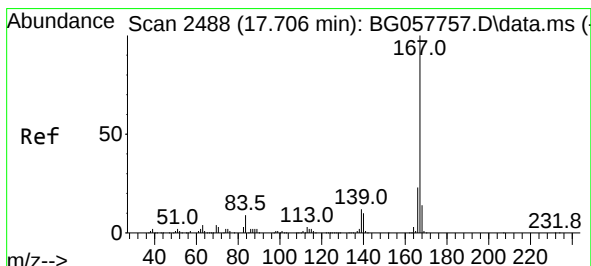
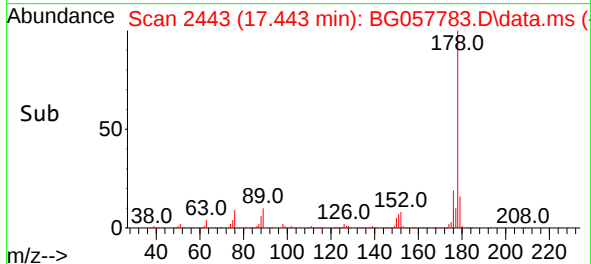
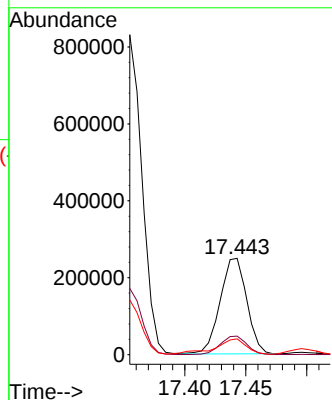
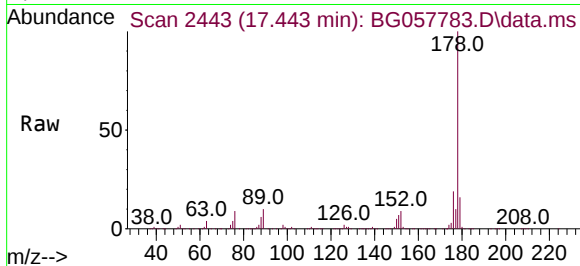




#72
Anthracene
Concen: 30.807 ng
RT: 17.443 min Scan# 2443
Delta R.T. 0.007 min
Lab File: BG057783.D
Acq: 20 Jun 2023 19:43

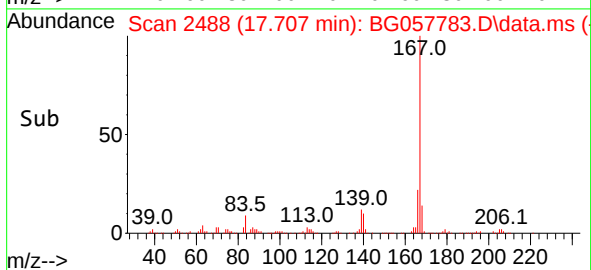
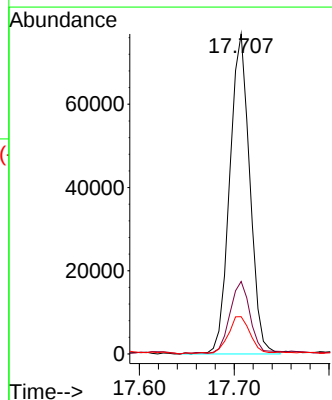
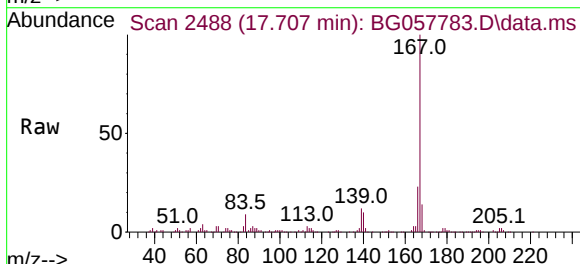
Instrument :
BNA_G
ClientSampleId :
SB-03-4.0-6.0

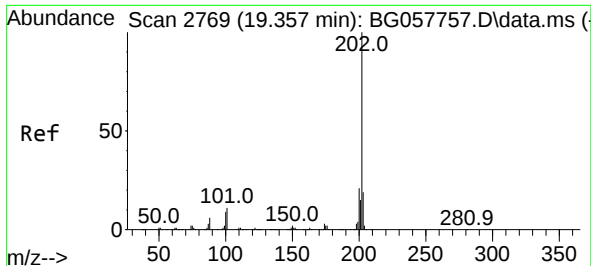
Tgt Ion:178 Resp: 379132
Ion Ratio Lower Upper
178 100
176 19.3 15.4 23.0
179 16.4 13.3 19.9



#73
Carbazole
Concen: 9.930 ng
RT: 17.707 min Scan# 2488
Delta R.T. 0.001 min
Lab File: BG057783.D
Acq: 20 Jun 2023 19:43

Tgt Ion:167 Resp: 112673
Ion Ratio Lower Upper
167 100
166 22.6 18.4 27.6
139 11.6 9.9 14.9

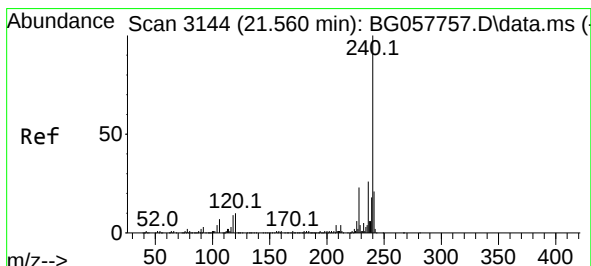
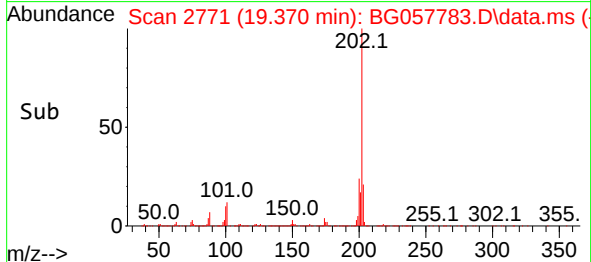
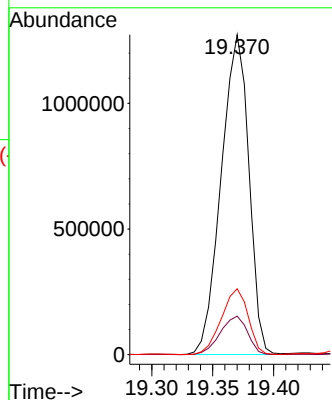
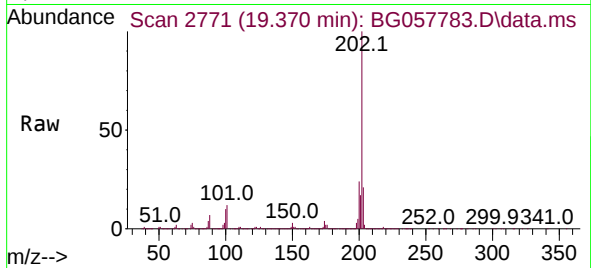




#75
Fluoranthene
Concen: 139.921 ng
RT: 19.370 min Scan# 21
Delta R.T. 0.013 min
Lab File: BG057783.D
Acq: 20 Jun 2023 19:43

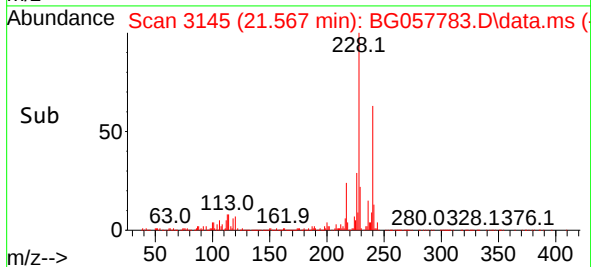
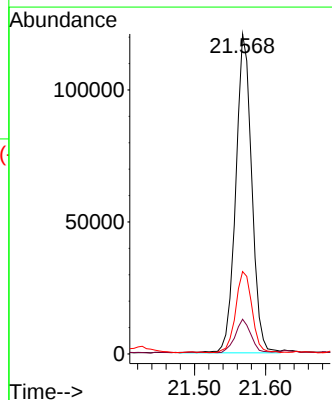
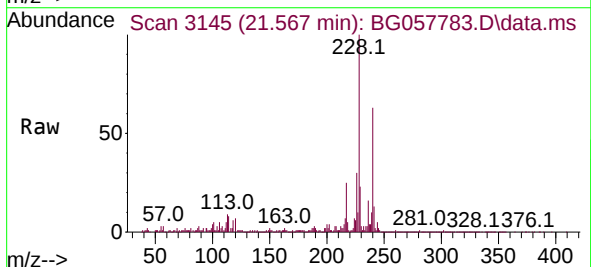
Instrument :
BNA_G
ClientSampleId :
SB-03-4.0-6.0

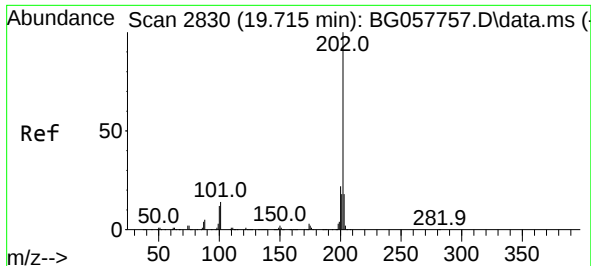
Tgt Ion:202 Resp: 2008940
Ion Ratio Lower Upper
202 100
101 12.1 0.0 31.3
203 20.6 0.0 38.7



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.567 min Scan# 3145
Delta R.T. 0.007 min
Lab File: BG057783.D
Acq: 20 Jun 2023 19:43

Tgt Ion:240 Resp: 188730
Ion Ratio Lower Upper
240 100
120 10.8 8.1 12.1
236 25.8 20.6 30.8

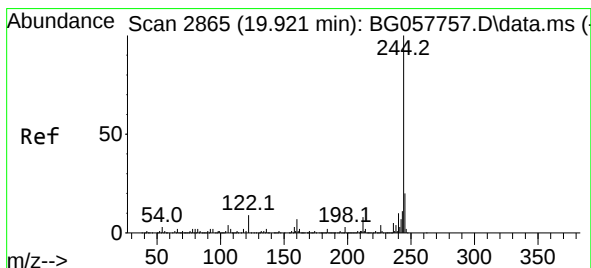
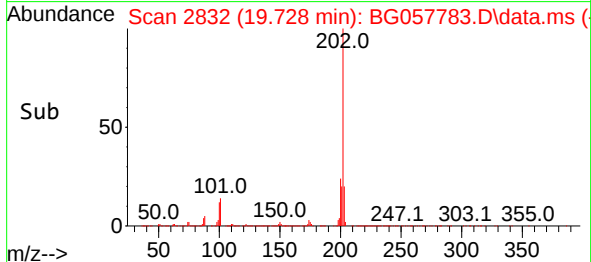
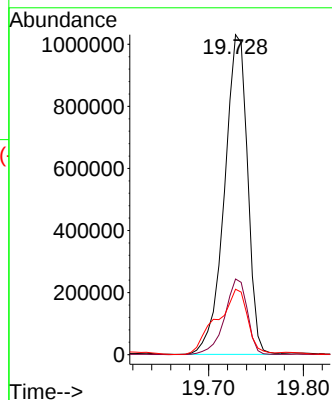
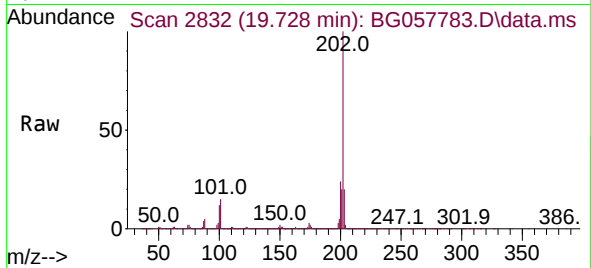




#78
Pyrene
Concen: 129.273 ng
RT: 19.728 min Scan# 2832
Delta R.T. 0.013 min
Lab File: BG057783.D
Acq: 20 Jun 2023 19:43

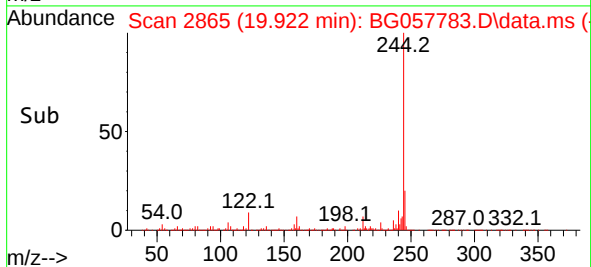
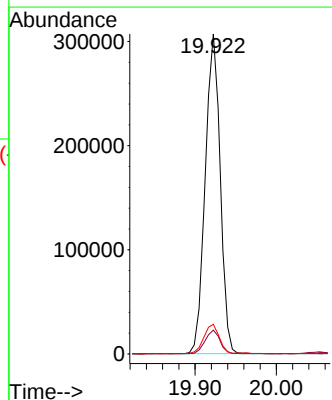
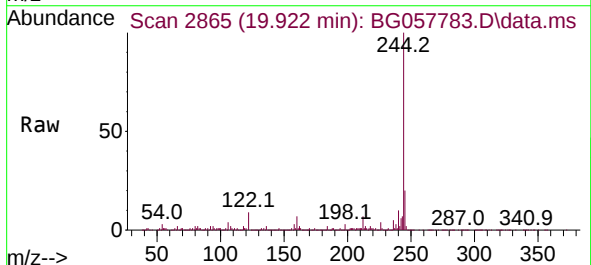
Instrument :
BNA_G
ClientSampleId :
SB-03-4.0-6.0

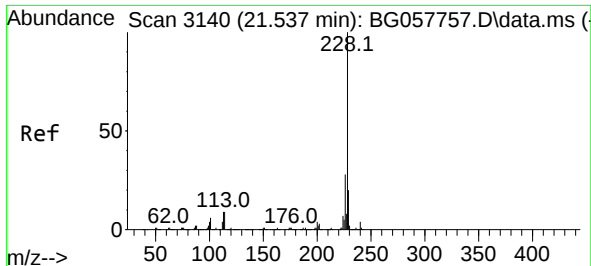
Tgt Ion:202 Resp: 1740412
Ion Ratio Lower Upper
202 100
200 23.7 17.4 26.0
203 20.4 14.6 22.0



#79
Terphenyl-d14
Concen: 38.700 ng
RT: 19.922 min Scan# 2865
Delta R.T. 0.001 min
Lab File: BG057783.D
Acq: 20 Jun 2023 19:43

Tgt Ion:244 Resp: 391697
Ion Ratio Lower Upper
244 100
212 7.4 6.1 9.1
122 9.2 7.6 11.4

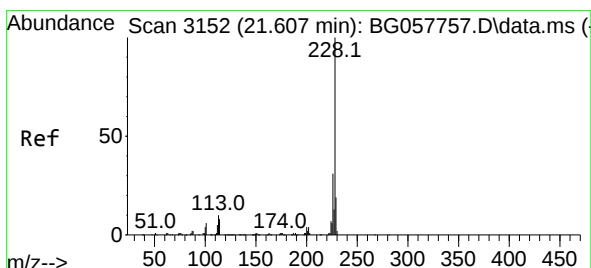
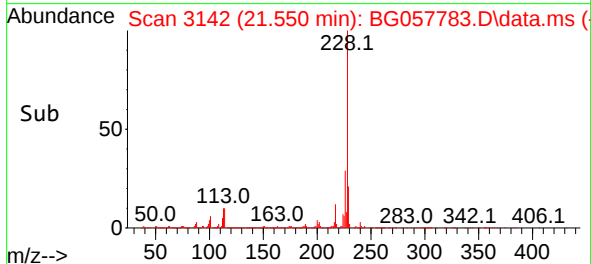
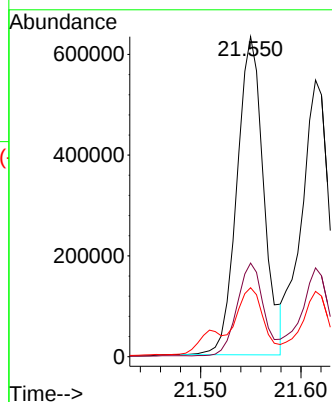
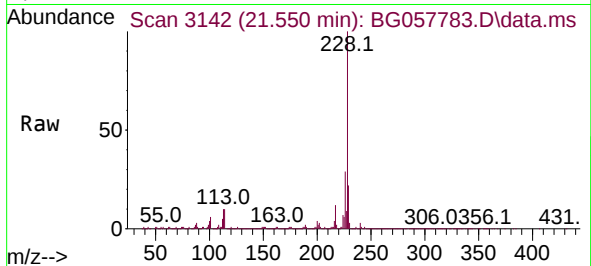




#81
Benzo(a)anthracene
Concen: 90.408 ng
RT: 21.550 min Scan# 3142
Delta R.T. 0.013 min
Lab File: BG057783.D
Acq: 20 Jun 2023 19:43

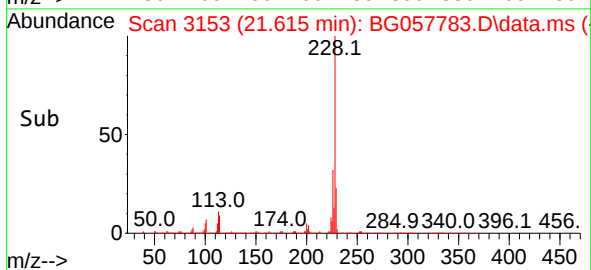
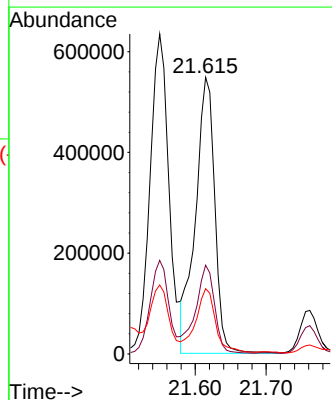
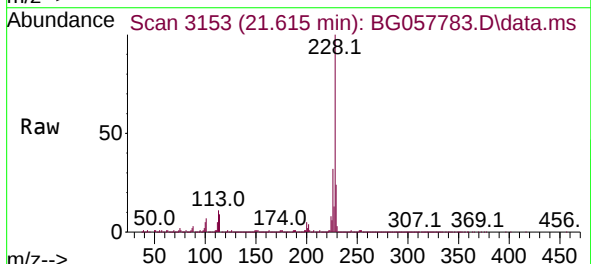
Instrument :
BNA_G
ClientSampleId :
SB-03-4.0-6.0

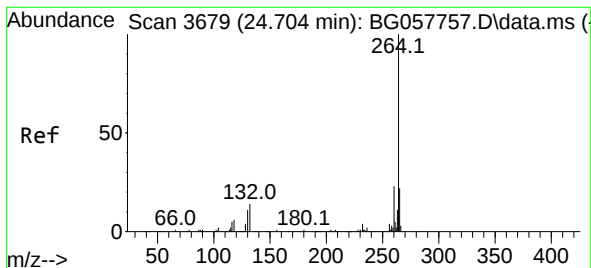
Tgt Ion:228 Resp: 1170658
Ion Ratio Lower Upper
228 100
226 29.2 22.3 33.5
229 21.6 16.3 24.5



#83
Chrysene
Concen: 83.613 ng m
RT: 21.615 min Scan# 3153
Delta R.T. 0.007 min
Lab File: BG057783.D
Acq: 20 Jun 2023 19:43

Tgt Ion:228 Resp: 1039028
Ion Ratio Lower Upper
228 100
226 32.1 24.8 37.2
229 23.6 15.6 23.4#





#86

Perylene-d12

Concen: 20.000 ng

RT: 24.723 min Scan# 3

Delta R.T. 0.019 min

Lab File: BG057783.D

Acq: 20 Jun 2023 19:43

Instrument :

BNA_G

ClientSampleId :

SB-03-4.0-6.0

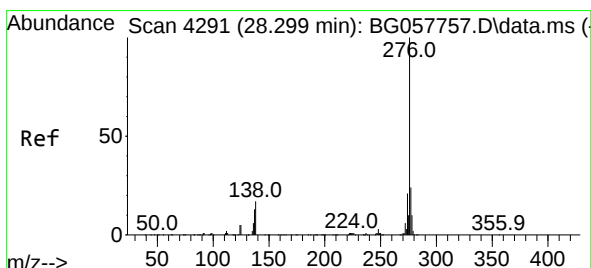
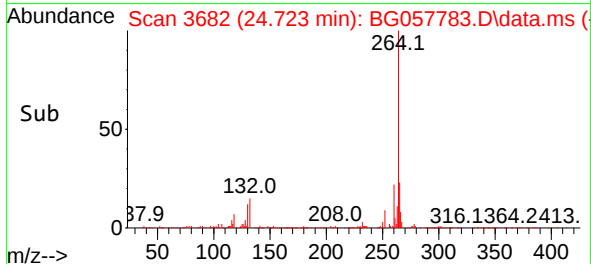
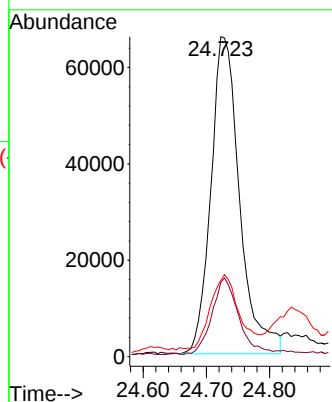
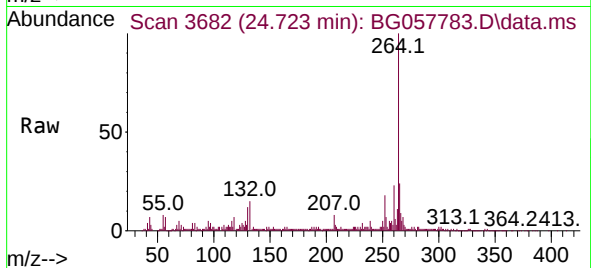
Tgt Ion:264 Resp: 208072

Ion Ratio Lower Upper

264 100

260 23.3 18.5 27.7

265 23.9 17.4 26.2



#87

Indeno(1,2,3-cd)pyrene

Concen: 28.939 ng

RT: 28.330 min Scan# 4296

Delta R.T. 0.031 min

Lab File: BG057783.D

Acq: 20 Jun 2023 19:43

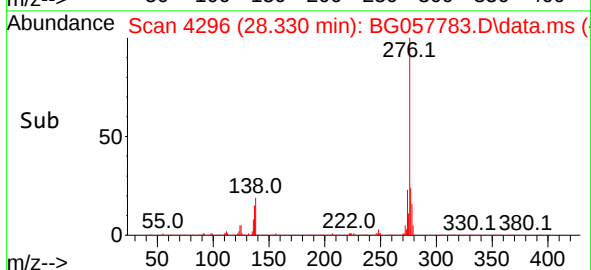
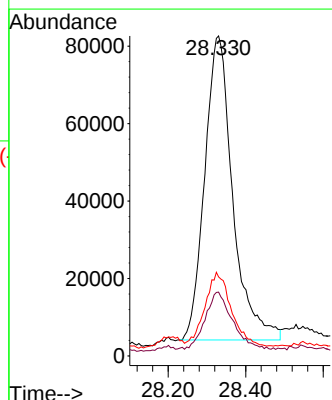
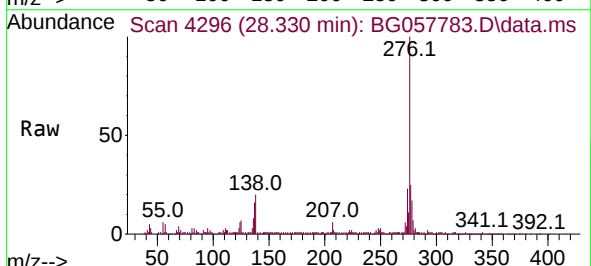
Tgt Ion:276 Resp: 393691

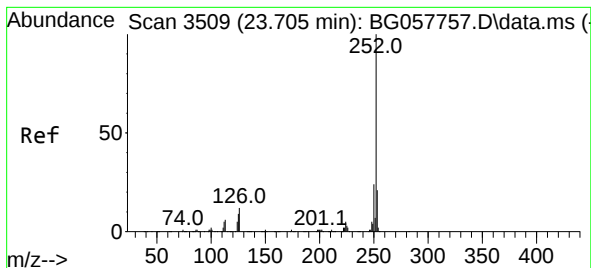
Ion Ratio Lower Upper

276 100

138 18.8 11.3 16.9#

277 23.3 20.4 30.6





#88

Benzo(b)fluoranthene

Concen: 110.145 ng

RT: 23.736 min Scan# 3

Delta R.T. 0.031 min

Lab File: BG057783.D

Acq: 20 Jun 2023 19:43

Instrument :

BNA_G

ClientSampleId :

SB-03-4.0-6.0

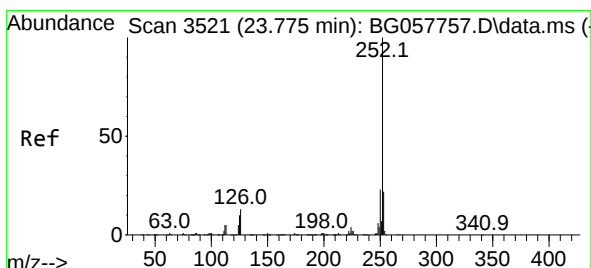
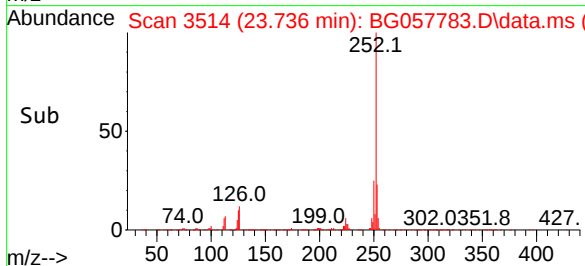
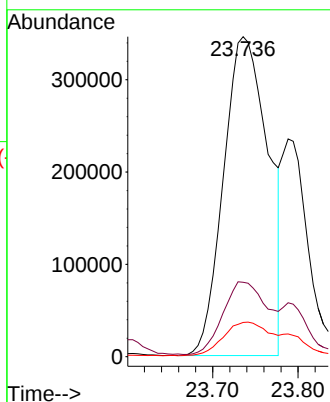
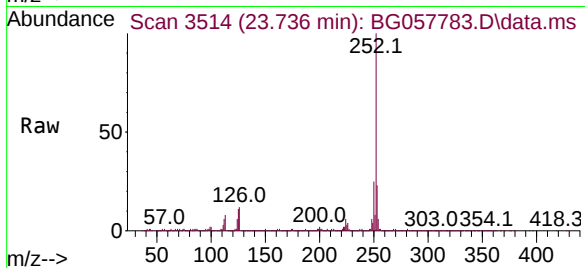
Tgt Ion:252 Resp: 1255887

Ion Ratio Lower Upper

252 100

253 23.2 17.1 25.7

125 10.7 7.4 11.0



#89

Benzo(k)fluoranthene

Concen: 43.313 ng m

RT: 23.788 min Scan# 3523

Delta R.T. 0.013 min

Lab File: BG057783.D

Acq: 20 Jun 2023 19:43

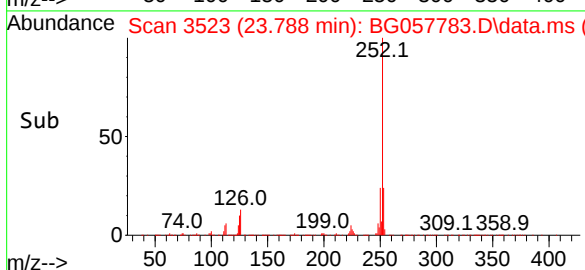
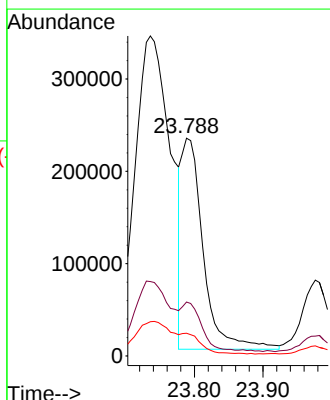
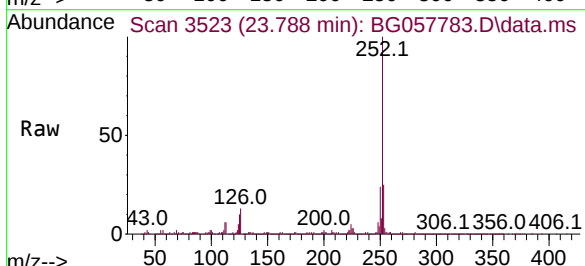
Tgt Ion:252 Resp: 502988

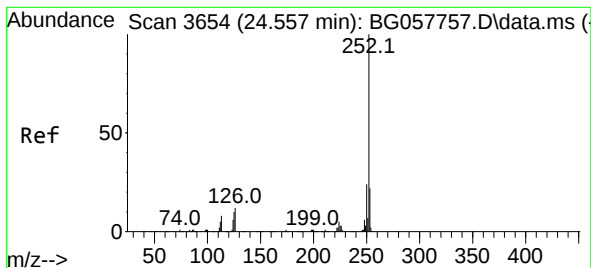
Ion Ratio Lower Upper

252 100

253 24.7 18.0 27.0

125 10.4 7.6 11.4





#90

Benzo(a)pyrene

Concen: 81.135 ng

RT: 24.587 min Scan# 3

Delta R.T. 0.031 min

Lab File: BG057783.D

Acq: 20 Jun 2023 19:43

Instrument :

BNA_G

ClientSampleId :

SB-03-4.0-6.0

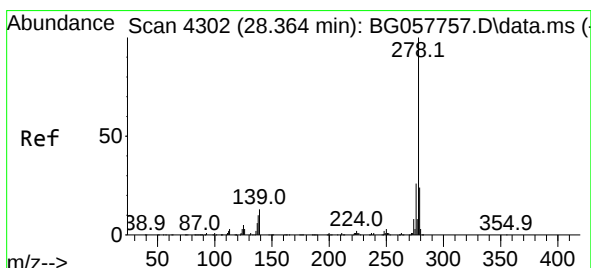
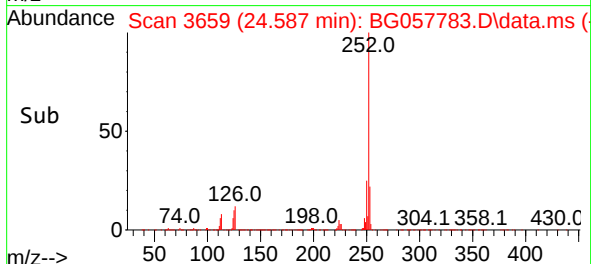
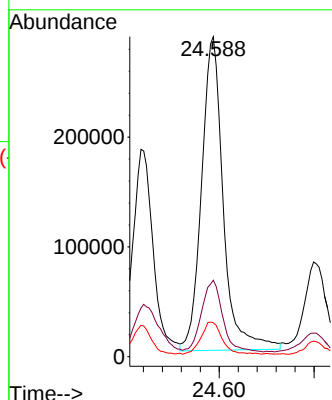
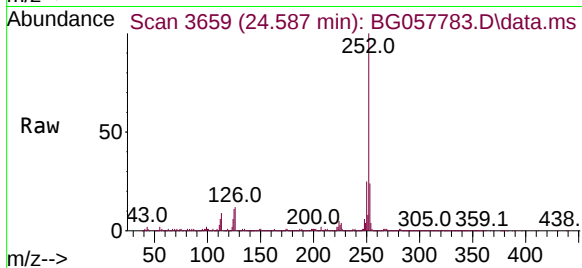
Tgt Ion:252 Resp: 908551

Ion Ratio Lower Upper

252 100

253 23.9 17.4 26.2

125 10.6 8.0 12.0



#91

Dibenzo(a,h)anthracene

Concen: 9.154 ng

RT: 28.365 min Scan# 4302

Delta R.T. 0.001 min

Lab File: BG057783.D

Acq: 20 Jun 2023 19:43

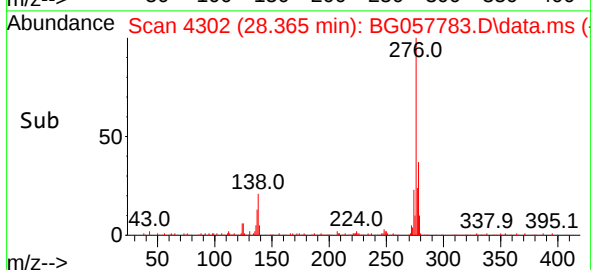
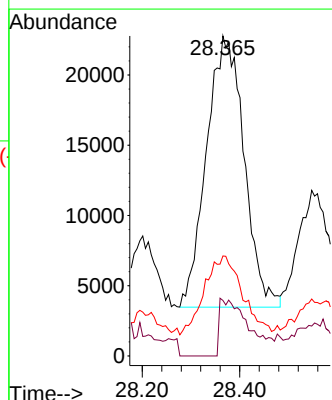
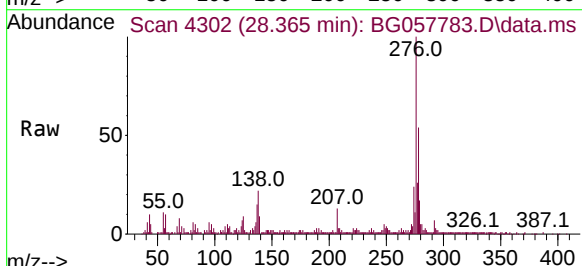
Tgt Ion:278 Resp: 103324

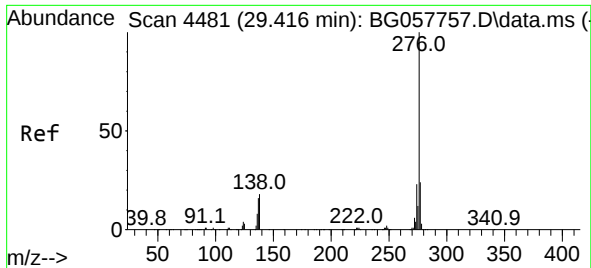
Ion Ratio Lower Upper

278 100

139 17.4 10.8 16.2#

279 31.2 19.0 28.4#





#92
 Benzo(g,h,i)perylene
 Concen: 30.602 ng
 RT: 29.452 min Scan# 44
 Delta R.T. 0.037 min
 Lab File: BG057783.D
 Acq: 20 Jun 2023 19:43

Instrument :
 BNA_G
 ClientSampleId :
 SB-03-4.0-6.0

Tgt Ion:276 Resp: 345864
 Ion Ratio Lower Upper
 276 100
 277 23.6 19.4 29.0
 138 19.4 14.2 21.4

