

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG062223\
 Data File : BG057823.D
 Acq On : 23 Jun 2023 1:08
 Operator : CG/JU
 Sample : 03308-04
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SP-RIGHT

Quant Time: Jun 23 03:48:29 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)

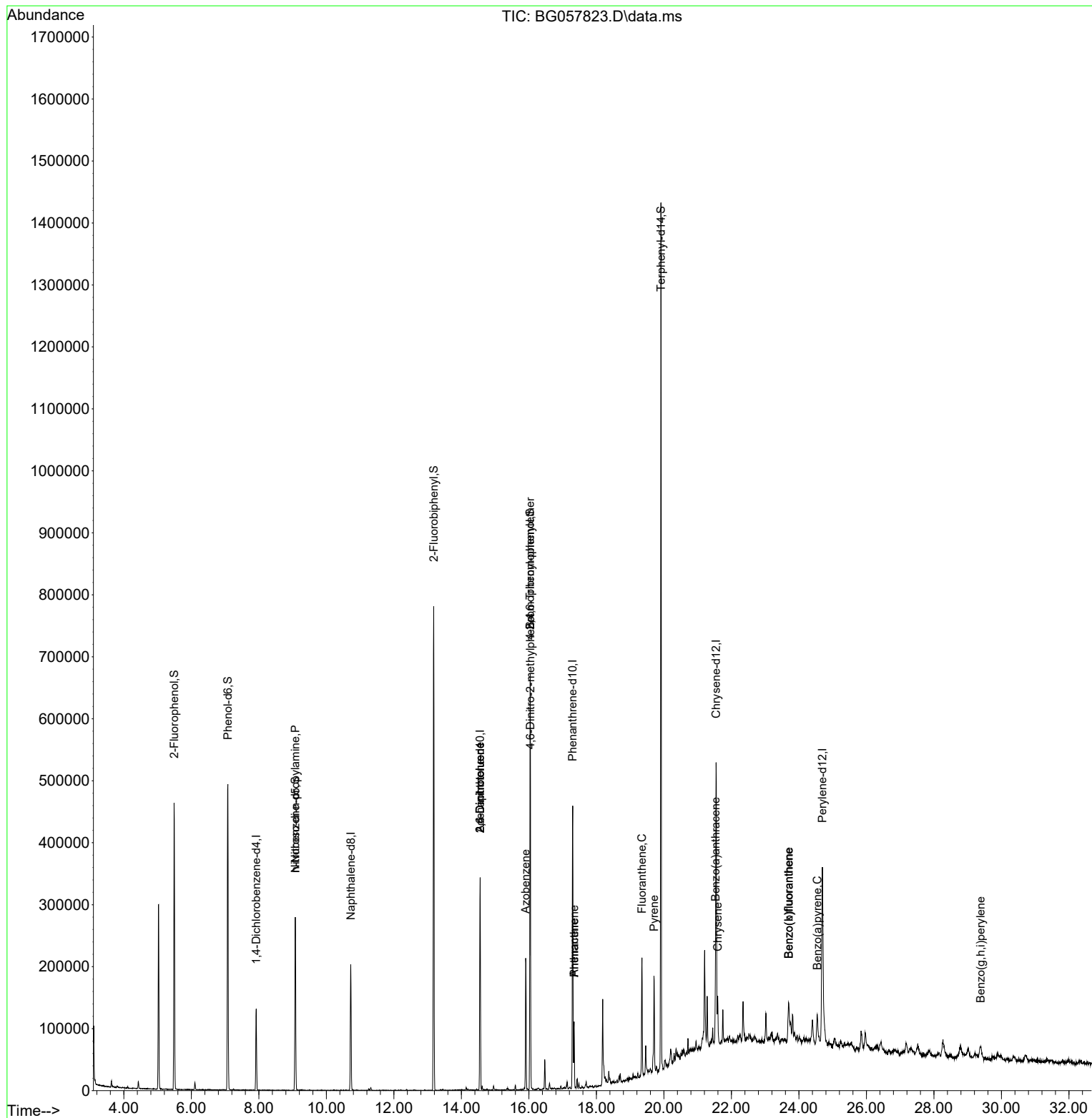
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.921	152	35977	20.000	ng	0.00
21) Naphthalene-d8	10.724	136	170159	20.000	ng	0.00
39) Acenaphthene-d10	14.554	164	125913	20.000	ng	0.00
64) Phenanthrene-d10	17.298	188	289883	20.000	ng	0.00
76) Chrysene-d12	21.546	240	249464	20.000	ng	-0.01
86) Perylene-d12	24.695	264	307125	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.489	112	195526	83.799	ng	0.00
7) Phenol-d6	7.081	99	298565	83.861	ng	0.00
23) Nitrobenzene-d5	9.078	82	167178	50.424	ng	-0.01
42) 2,4,6-Tribromophenol	16.041	330	142719	81.370	ng	0.00
45) 2-Fluorobiphenyl	13.180	172	417347	50.273	ng	0.00
79) Terphenyl-d14	19.913	244	712408	53.250	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	9.078	70	20851	8.401	ng	# 78
51) 2,6-Dinitrotoluene	14.554	165	15942	8.952	ng	# 18
57) 2,4-Dinitrotoluene	14.554	165	15942	6.601	ng	# 18
63) Azobenzene	15.906	77	61995	6.109	ng	# 1
65) 4,6-Dinitro-2-methylph...	16.047	198	218	5.457	ng	# 1
67) 4-Bromophenyl-phenylether	16.035	248	9101	2.960	ng	# 1
71) Phenanthrene	17.339	178	65258	4.649	ng	97
72) Anthracene	17.339	178	65258	4.553	ng	98
75) Fluoranthene	19.349	202	111215	6.651	ng	98
78) Pyrene	19.707	202	96322	5.413	ng	98
81) Benzo(a)anthracene	21.529	228	50949	2.977	ng	98
83) Chrysene	21.593	228	51001	3.105	ng	98
88) Benzo(b)fluoranthene	23.697	252	73570	4.371	ng	94
89) Benzo(k)fluoranthene	23.697	252	73570	4.292	ng	96
90) Benzo(a)pyrene	24.543	252	49614	3.002	ng	96
92) Benzo(g,h,i)perylene	29.384	276	38551	2.311	ng	94

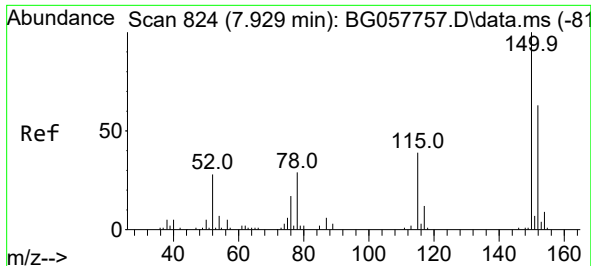
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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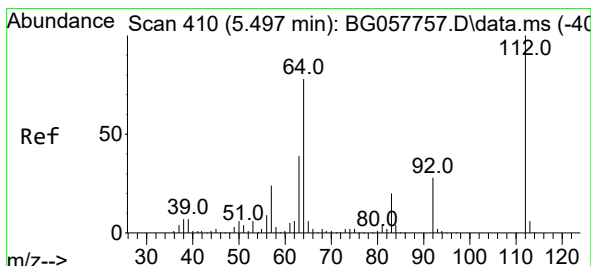
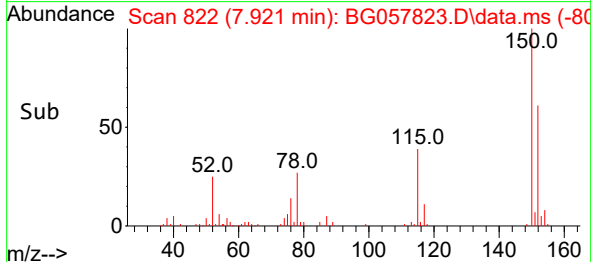
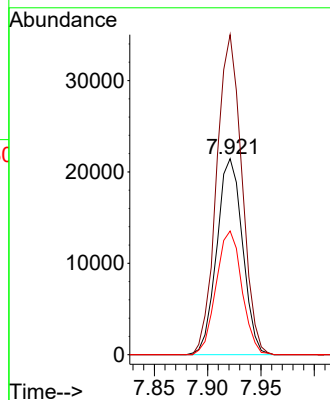
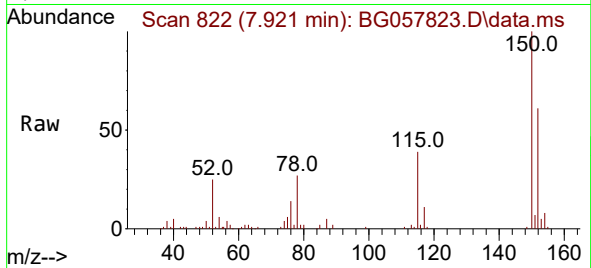




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.921 min Scan# 81
Delta R.T. -0.008 min
Lab File: BG057823.D
Acq: 23 Jun 2023 1:08

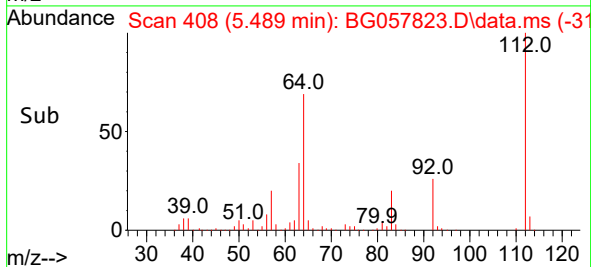
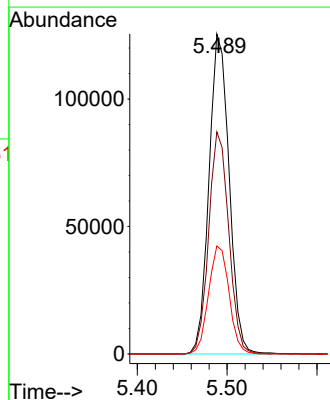
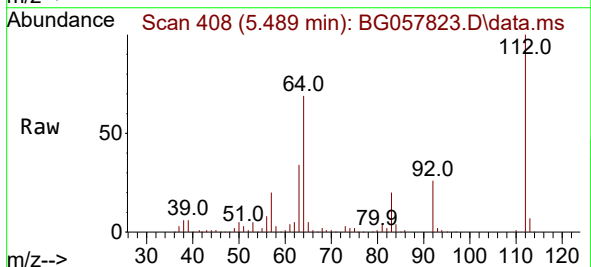
Instrument :
BNA_G
ClientSampleId :
SP-RIGHT

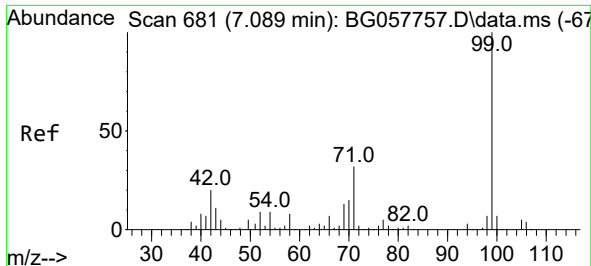
Tgt Ion:152 Resp: 35977
Ion Ratio Lower Upper
152 100
150 163.3 126.6 189.8
115 63.2 48.9 73.3



#5
2-Fluorophenol
Concen: 83.799 ng
RT: 5.489 min Scan# 408
Delta R.T. -0.008 min
Lab File: BG057823.D
Acq: 23 Jun 2023 1:08

Tgt Ion:112 Resp: 195526
Ion Ratio Lower Upper
112 100
64 69.4 62.1 93.1
63 33.8 31.5 47.3

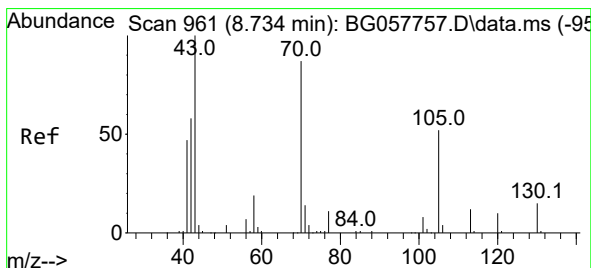
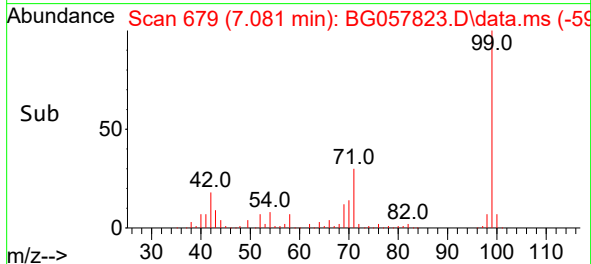
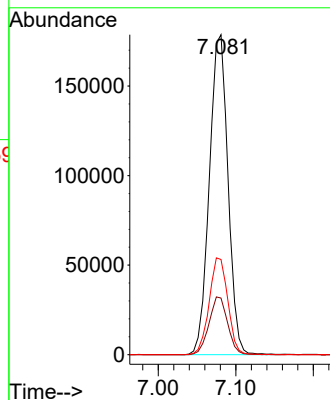
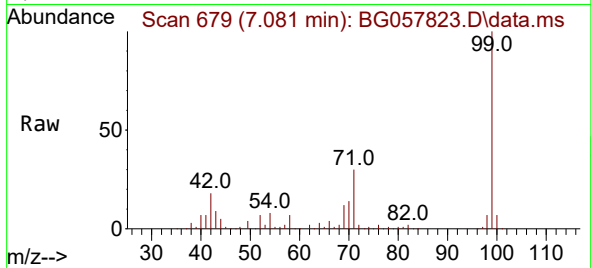




#7
Phenol-d6
Concen: 83.861 ng
RT: 7.081 min Scan# 61
Delta R.T. -0.008 min
Lab File: BG057823.D
Acq: 23 Jun 2023 1:08

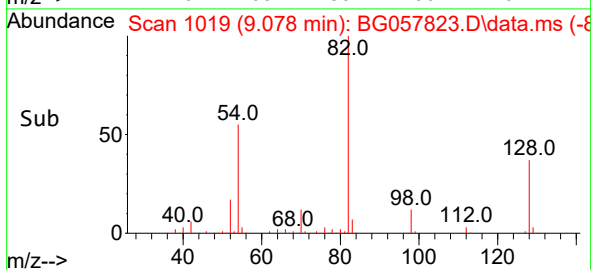
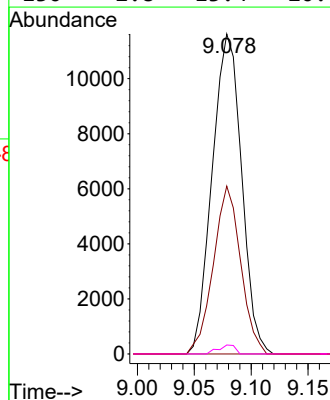
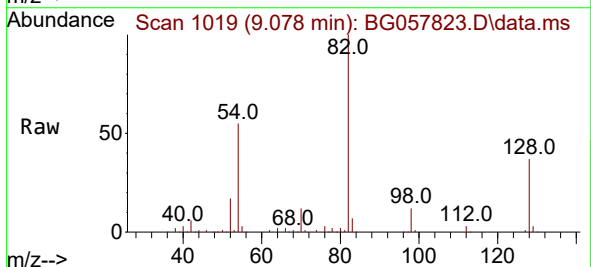
Instrument :
BNA_G
ClientSampleId :
SP-RIGHT

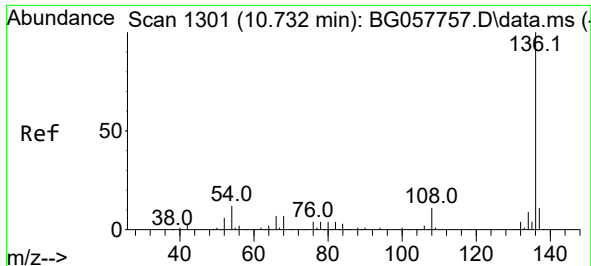
Tgt Ion: 99 Resp: 298565
Ion Ratio Lower Upper
99 100
42 17.7 16.4 24.6
71 29.8 25.8 38.6



#19
n-Nitroso-di-n-propylamine
Concen: 8.401 ng
RT: 9.078 min Scan# 1019
Delta R.T. 0.344 min
Lab File: BG057823.D
Acq: 23 Jun 2023 1:08

Tgt Ion: 70 Resp: 20851
Ion Ratio Lower Upper
70 100
42 52.4 54.2 81.2#
101 0.0 7.4 11.0#
130 2.8 13.4 20.0#

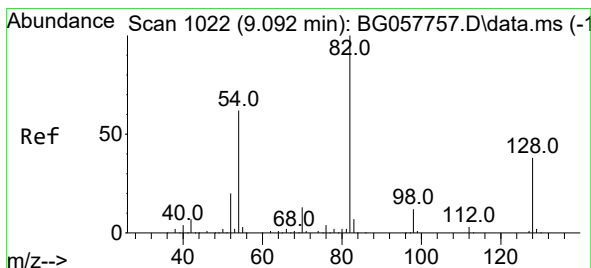
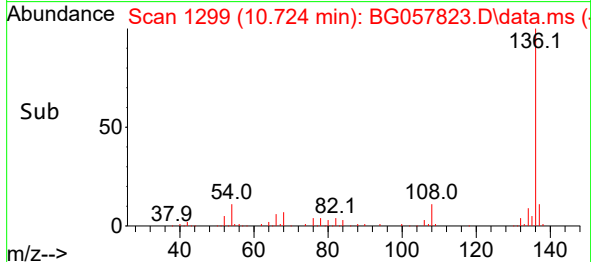
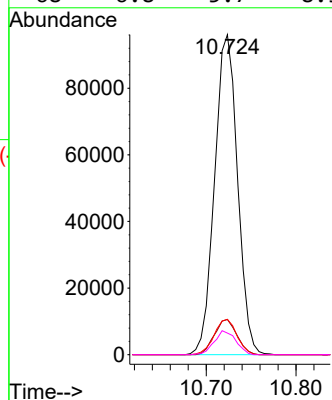
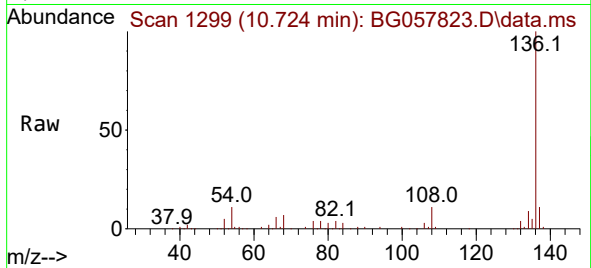




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.724 min Scan# 11
Delta R.T. -0.008 min
Lab File: BG057823.D
Acq: 23 Jun 2023 1:08

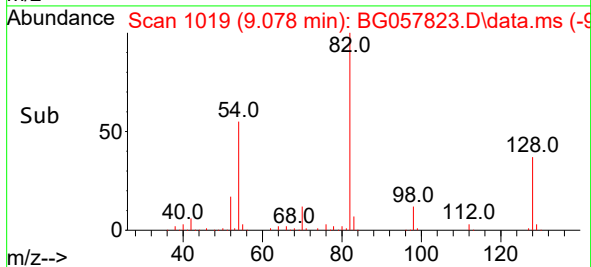
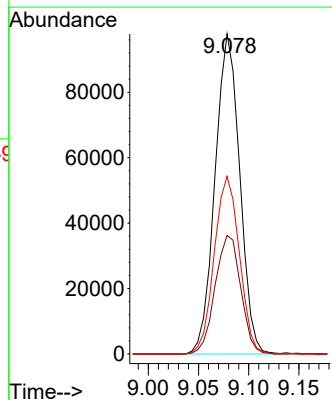
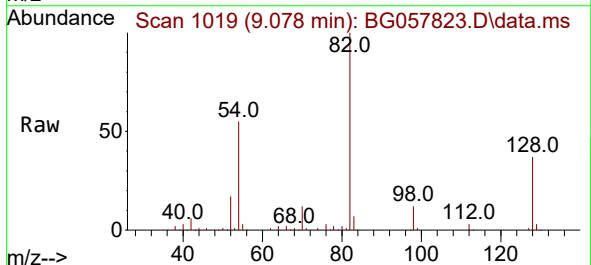
Instrument :
BNA_G
ClientSampleId :
SP-RIGHT

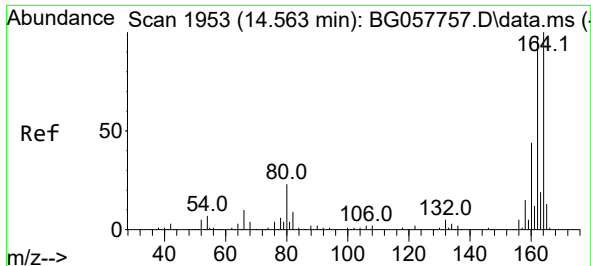
Tgt Ion:136 Resp: 170159
Ion Ratio Lower Upper
136 100
137 11.0 8.5 12.7
54 11.1 9.5 14.3
68 6.8 5.7 8.5



#23
Nitrobenzene-d5
Concen: 50.424 ng
RT: 9.078 min Scan# 1019
Delta R.T. -0.014 min
Lab File: BG057823.D
Acq: 23 Jun 2023 1:08

Tgt Ion: 82 Resp: 167178
Ion Ratio Lower Upper
82 100
128 37.0 30.7 46.1
54 55.5 49.6 74.4





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.554 min Scan# 1951

Delta R.T. -0.008 min

Lab File: BG057823.D

Acq: 23 Jun 2023 1:08

Instrument :

BNA_G

ClientSampleId :

SP-RIGHT

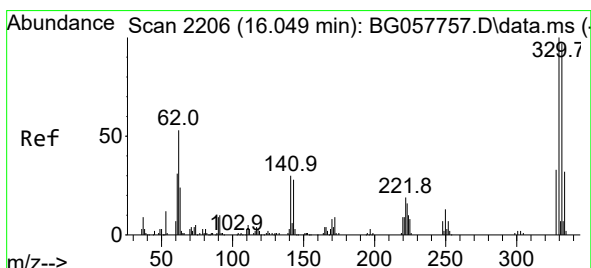
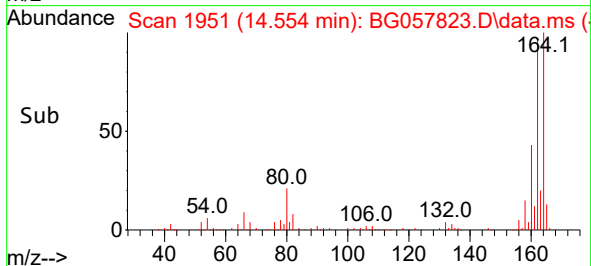
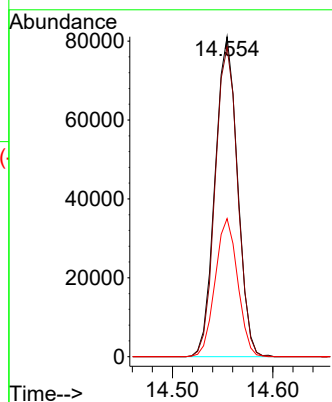
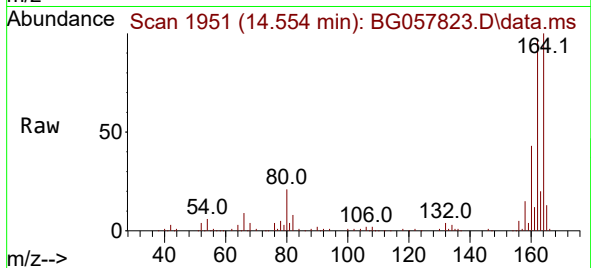
Tgt Ion:164 Resp: 125913

Ion Ratio Lower Upper

164 100

162 96.7 78.3 117.5

160 43.1 35.4 53.0



#42

2,4,6-Tribromophenol

Concen: 81.370 ng

RT: 16.041 min Scan# 2204

Delta R.T. -0.008 min

Lab File: BG057823.D

Acq: 23 Jun 2023 1:08

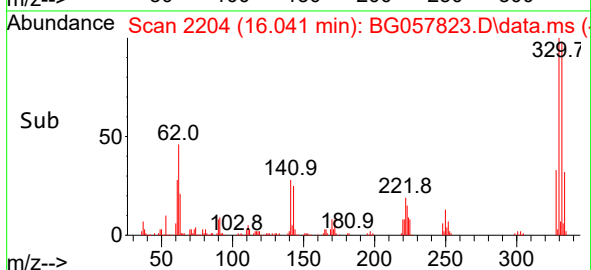
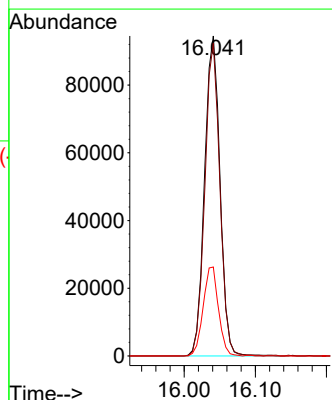
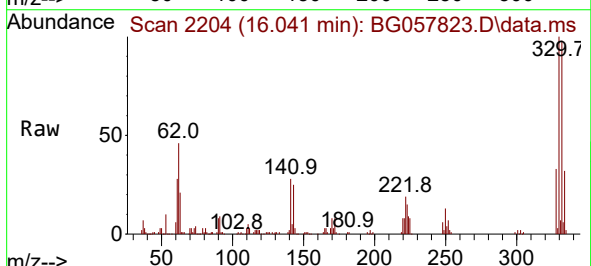
Tgt Ion:330 Resp: 142719

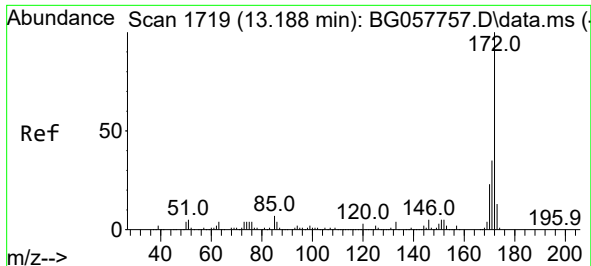
Ion Ratio Lower Upper

330 100

332 95.1 76.6 115.0

141 27.6 24.7 37.1

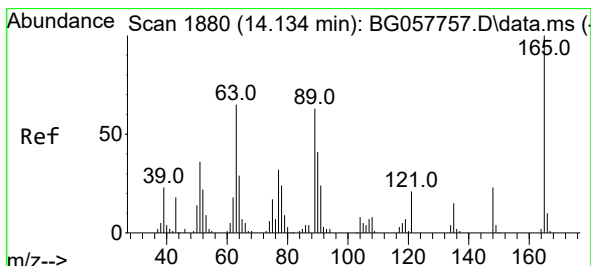
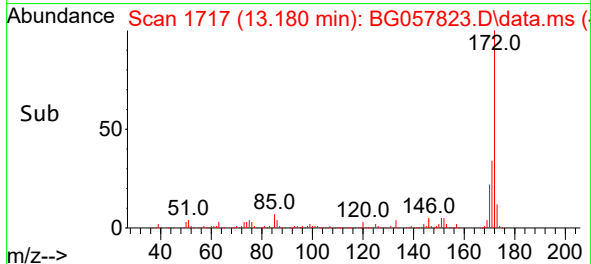
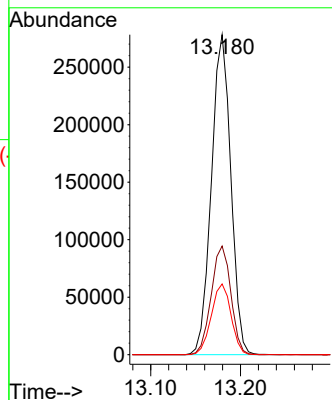
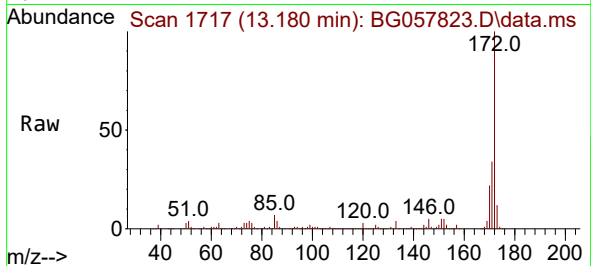




#45
2-Fluorobiphenyl
Concen: 50.273 ng
RT: 13.180 min Scan# 1
Delta R.T. -0.008 min
Lab File: BG057823.D
Acq: 23 Jun 2023 1:08

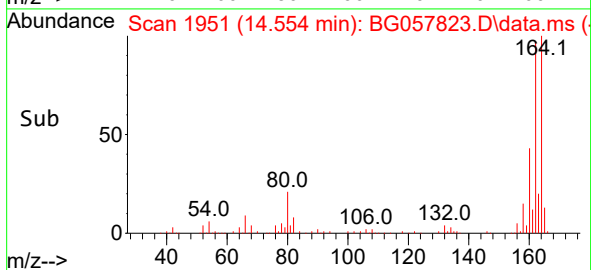
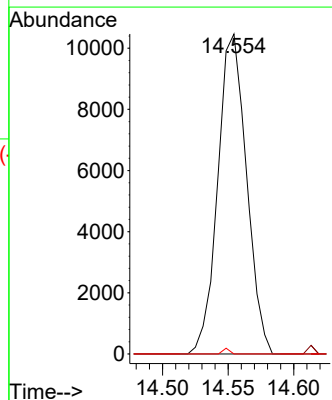
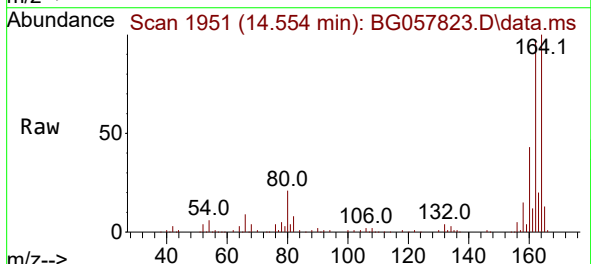
Instrument :
BNA_G
ClientSampleId :
SP-RIGHT

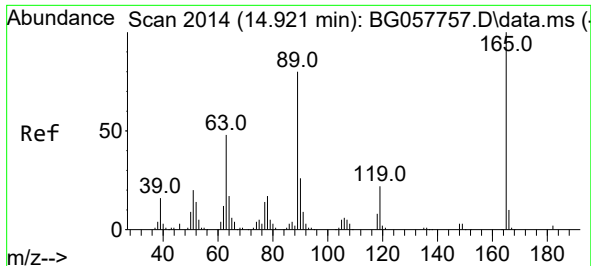
Tgt Ion:172 Resp: 417347
Ion Ratio Lower Upper
172 100
171 33.9 28.1 42.1
170 22.1 18.6 27.8



#51
2,6-Dinitrotoluene
Concen: 8.952 ng
RT: 14.554 min Scan# 1951
Delta R.T. 0.420 min
Lab File: BG057823.D
Acq: 23 Jun 2023 1:08

Tgt Ion:165 Resp: 15942
Ion Ratio Lower Upper
165 100
63 0.0 52.8 79.2#
89 0.0 50.7 76.1#





#57

2,4-Dinitrotoluene

Concen: 6.601 ng

RT: 14.554 min Scan# 1951

Delta R.T. -0.367 min

Lab File: BG057823.D

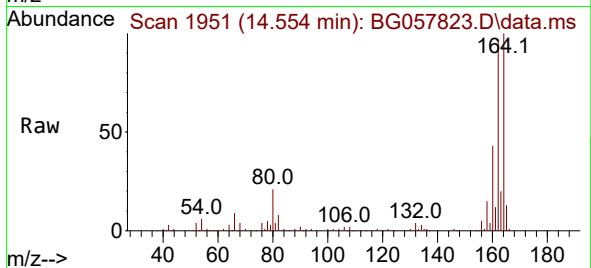
Acq: 23 Jun 2023 1:08

Instrument :

BNA_G

ClientSampleId :

SP-RIGHT



Tgt Ion:165 Resp: 15942

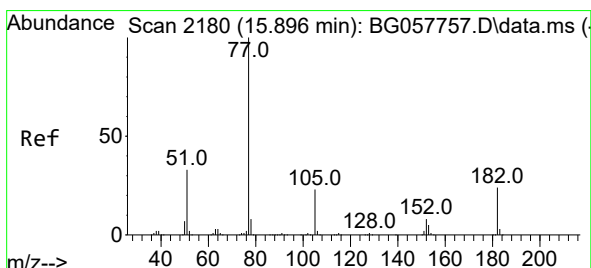
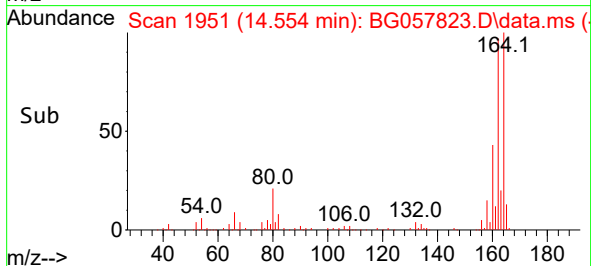
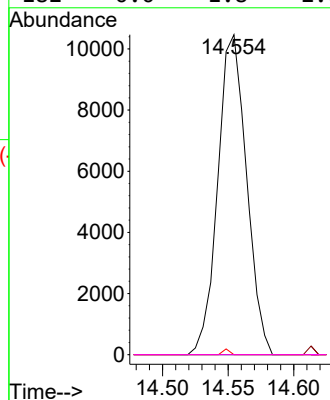
Ion Ratio Lower Upper

165 100

63 0.0 38.6 58.0#

89 0.0 63.7 95.5#

182 0.0 1.8 2.6#



#63

Azobenzene

Concen: 6.109 ng

RT: 15.906 min Scan# 2181

Delta R.T. 0.009 min

Lab File: BG057823.D

Acq: 23 Jun 2023 1:08

Tgt Ion: 77 Resp: 61995

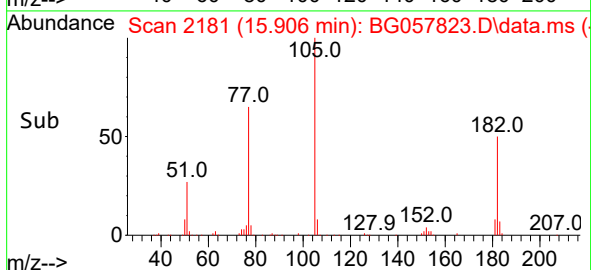
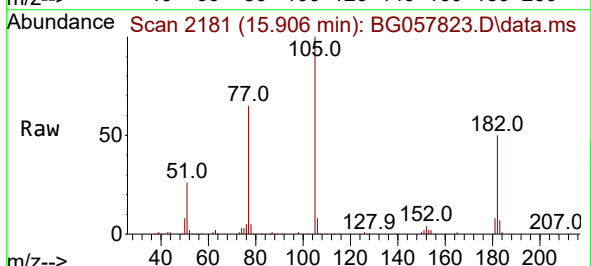
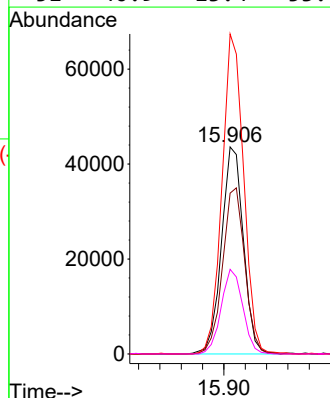
Ion Ratio Lower Upper

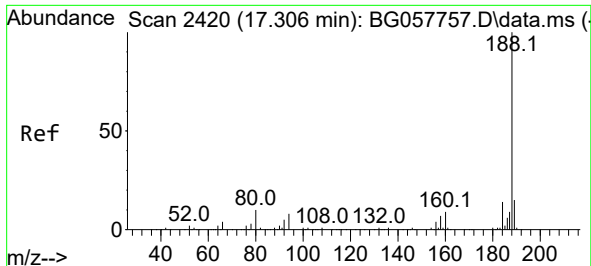
77 100

182 77.7 4.1 44.1#

105 154.6 3.3 43.3#

51 40.9 13.4 53.4

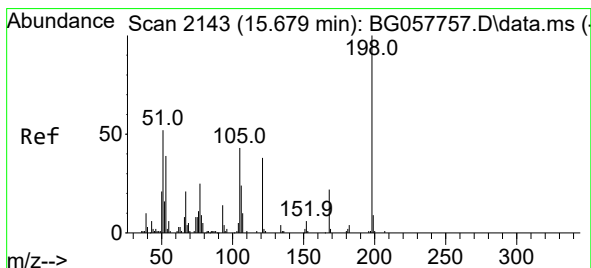
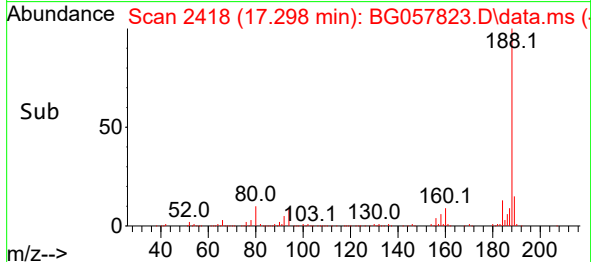
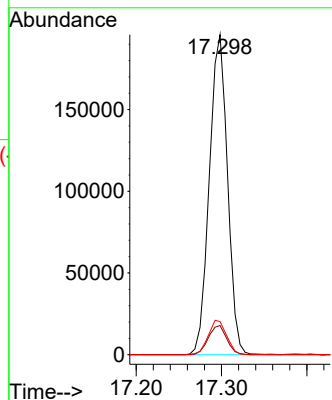
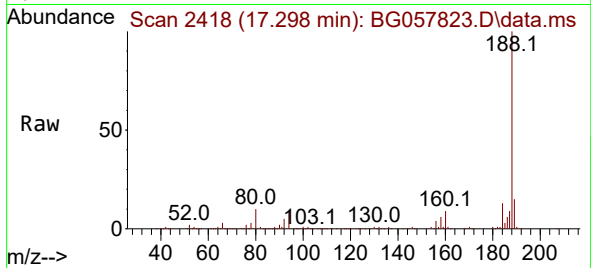




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.298 min Scan# 2418
Delta R.T. -0.008 min
Lab File: BG057823.D
Acq: 23 Jun 2023 1:08

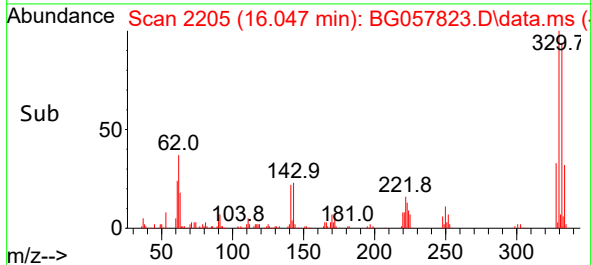
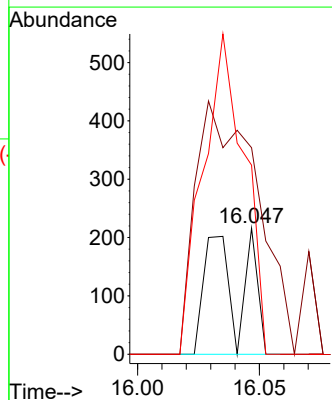
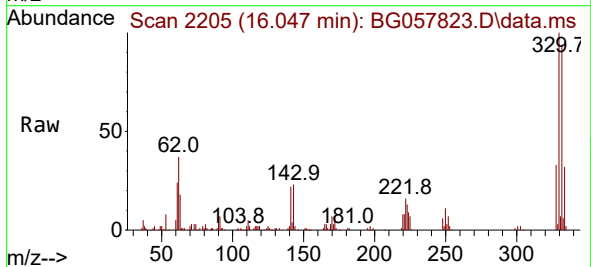
Instrument :
BNA_G
ClientSampleId :
SP-RIGHT

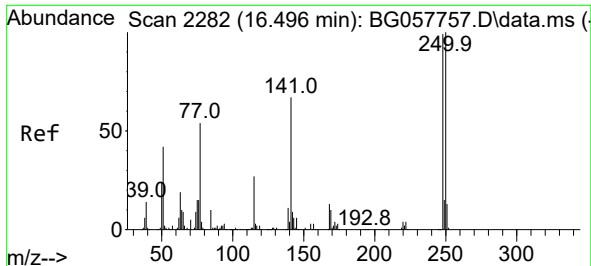
Tgt Ion:188 Resp: 289883
Ion Ratio Lower Upper
188 100
94 9.1 6.6 9.8
80 10.4 7.6 11.4



#65
4,6-Dinitro-2-methylphenol
Concen: 5.457 ng
RT: 16.047 min Scan# 2205
Delta R.T. 0.368 min
Lab File: BG057823.D
Acq: 23 Jun 2023 1:08

Tgt Ion:198 Resp: 218
Ion Ratio Lower Upper
198 100
51 163.9 36.6 76.6#
105 150.0 24.3 64.3#

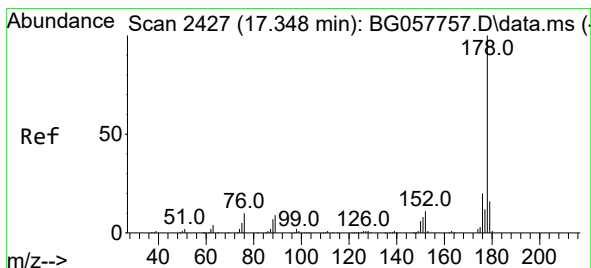
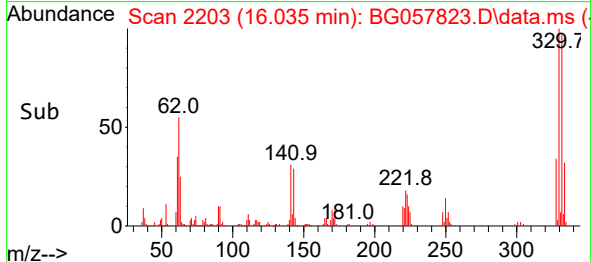
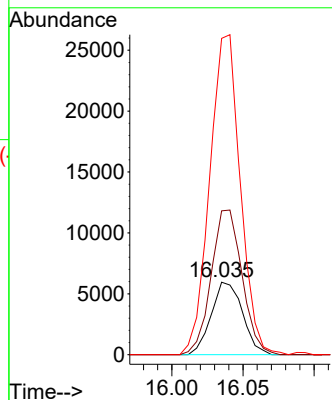
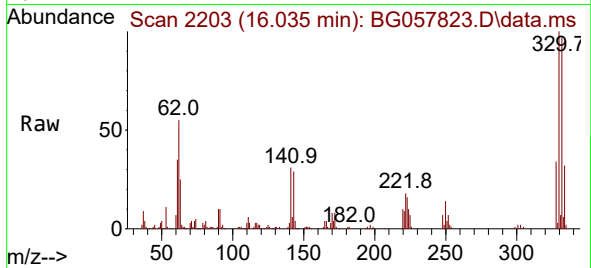




#67
4-Bromophenyl-phenylether
Concen: 2.960 ng
RT: 16.035 min Scan# 21
Delta R.T. -0.461 min
Lab File: BG057823.D
Acq: 23 Jun 2023 1:08

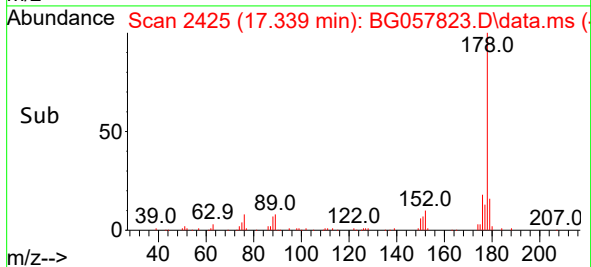
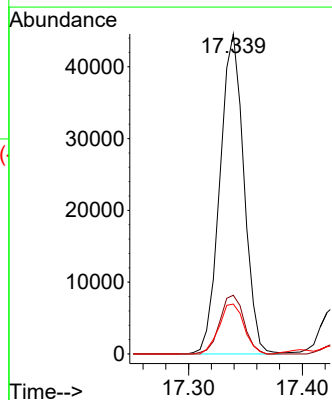
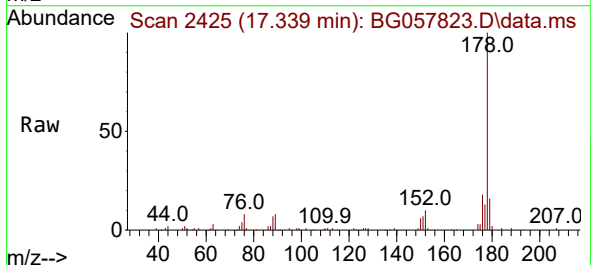
Instrument :
BNA_G
ClientSampleId :
SP-RIGHT

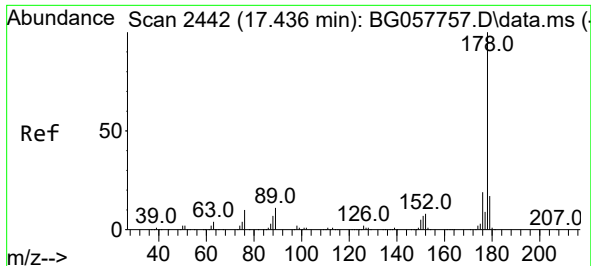
Tgt Ion:248 Resp: 9101
Ion Ratio Lower Upper
248 100
250 198.4 81.1 121.7#
141 436.1 54.6 81.8#



#71
Phenanthrene
Concen: 4.649 ng
RT: 17.339 min Scan# 2425
Delta R.T. -0.008 min
Lab File: BG057823.D
Acq: 23 Jun 2023 1:08

Tgt Ion:178 Resp: 65258
Ion Ratio Lower Upper
178 100
176 18.4 16.3 24.5
179 15.6 13.0 19.6

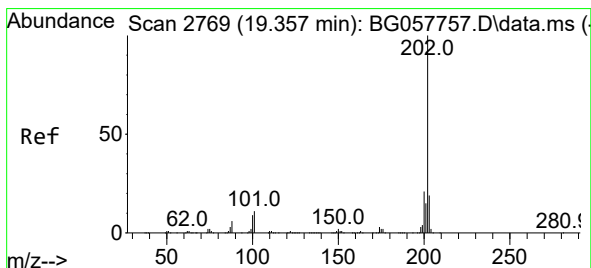
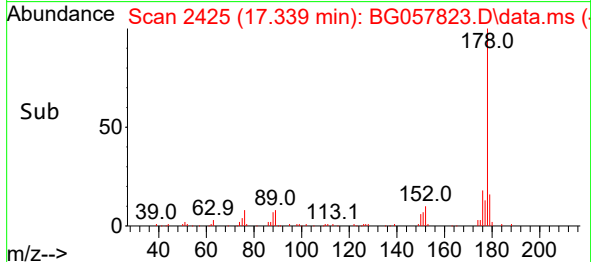
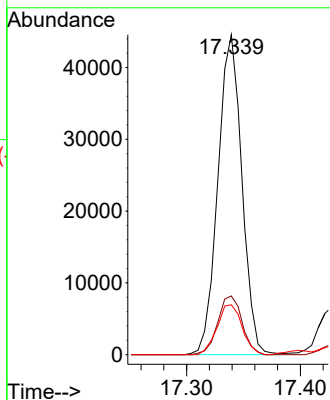
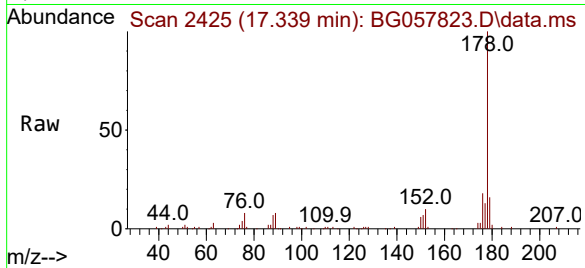




#72
 Anthracene
 Concen: 4.553 ng
 RT: 17.339 min Scan# 2442
 Delta R.T. -0.096 min
 Lab File: BG057823.D
 Acq: 23 Jun 2023 1:08

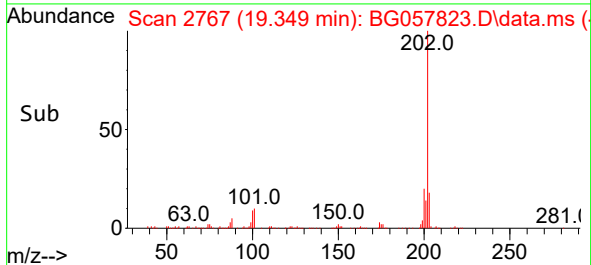
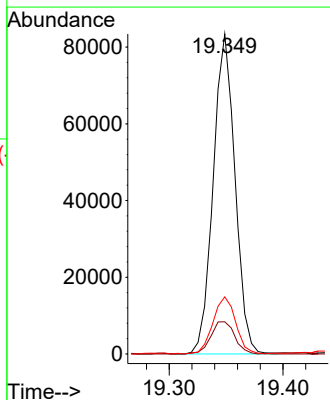
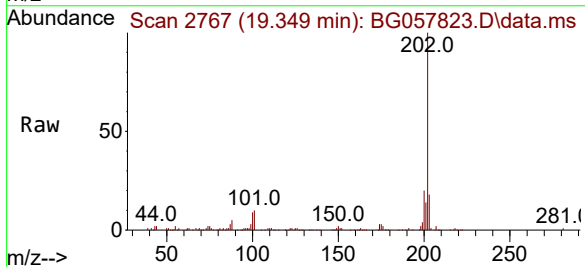
Instrument :
 BNA_G
 ClientSampleId :
 SP-RIGHT

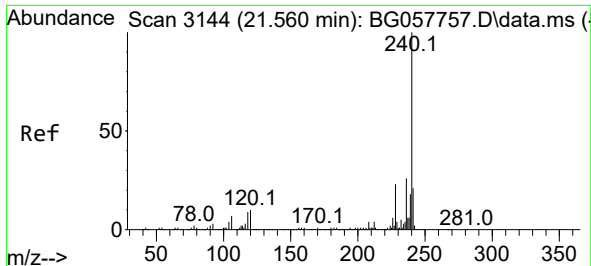
Tgt Ion:178 Resp: 65258
 Ion Ratio Lower Upper
 178 100
 176 18.4 15.4 23.0
 179 15.6 13.3 19.9



#75
 Fluoranthene
 Concen: 6.651 ng
 RT: 19.349 min Scan# 2767
 Delta R.T. -0.008 min
 Lab File: BG057823.D
 Acq: 23 Jun 2023 1:08

Tgt Ion:202 Resp: 111215
 Ion Ratio Lower Upper
 202 100
 101 10.1 0.0 31.3
 203 17.9 0.0 38.7

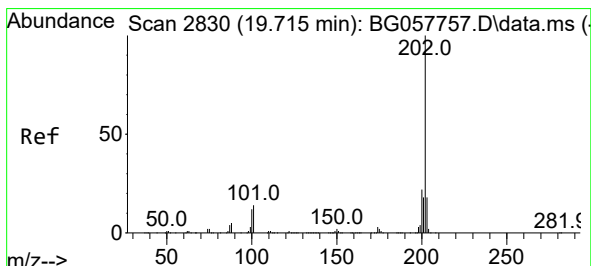
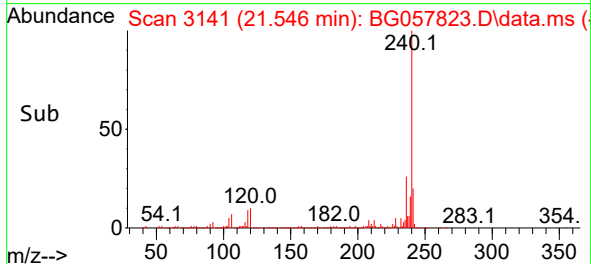
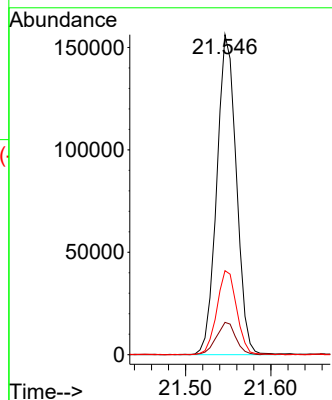
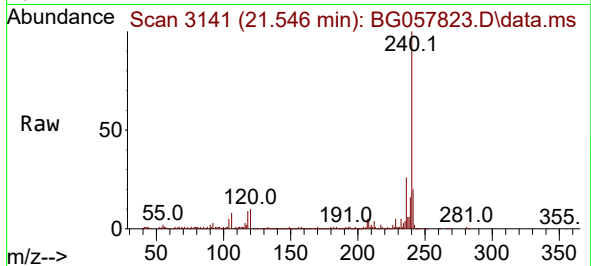




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.546 min Scan# 3144
Delta R.T. -0.014 min
Lab File: BG057823.D
Acq: 23 Jun 2023 1:08

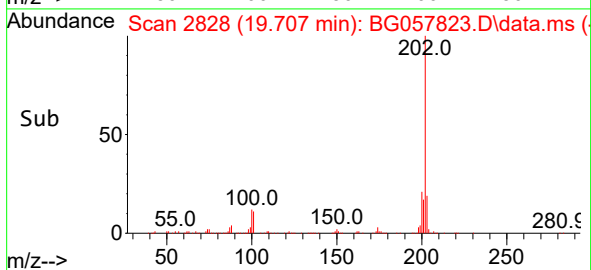
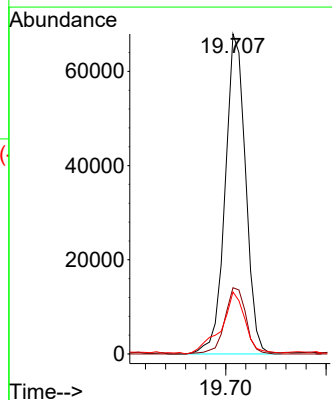
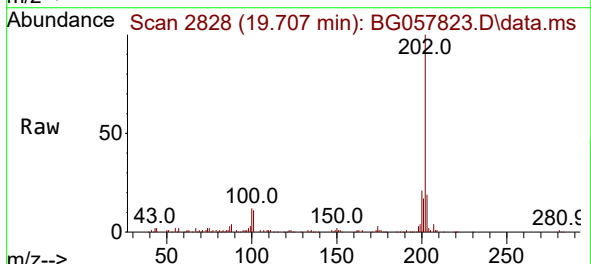
Instrument :
BNA_G
ClientSampleId :
SP-RIGHT

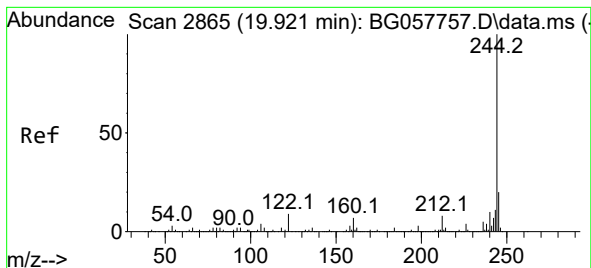
Tgt Ion:240 Resp: 249464
Ion Ratio Lower Upper
240 100
120 10.1 8.1 12.1
236 26.2 20.6 30.8



#78
Pyrene
Concen: 5.413 ng
RT: 19.707 min Scan# 2828
Delta R.T. -0.008 min
Lab File: BG057823.D
Acq: 23 Jun 2023 1:08

Tgt Ion:202 Resp: 96322
Ion Ratio Lower Upper
202 100
200 20.7 17.4 26.0
203 19.4 14.6 22.0





#79

Terphenyl-d14

Concen: 53.250 ng

RT: 19.913 min Scan# 21

Delta R.T. -0.008 min

Lab File: BG057823.D

Acq: 23 Jun 2023 1:08

Instrument :

BNA_G

ClientSampleId :

SP-RIGHT

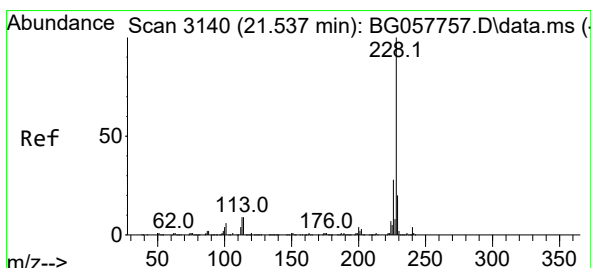
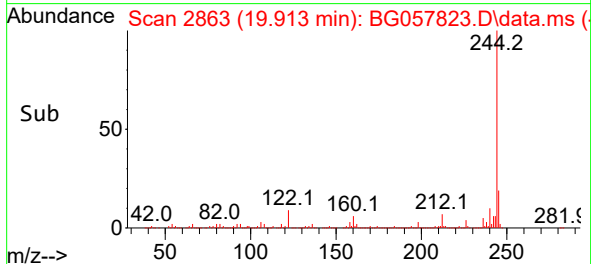
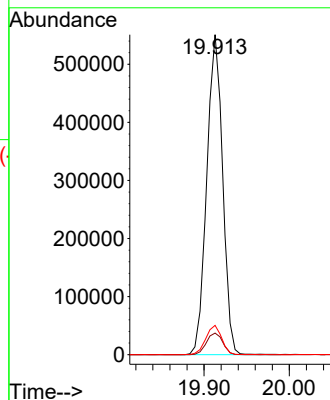
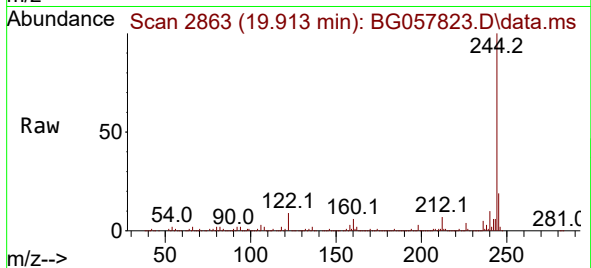
Tgt Ion:244 Resp: 712408

Ion Ratio Lower Upper

244 100

212 6.8 6.1 9.1

122 9.1 7.6 11.4



#81

Benzo(a)anthracene

Concen: 2.977 ng

RT: 21.529 min Scan# 3138

Delta R.T. -0.008 min

Lab File: BG057823.D

Acq: 23 Jun 2023 1:08

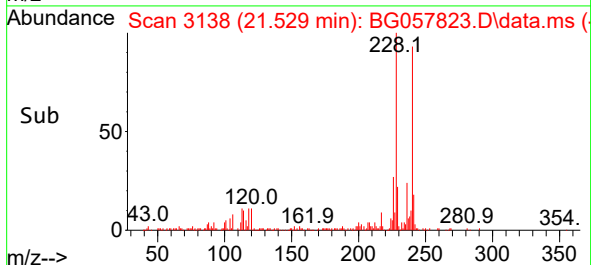
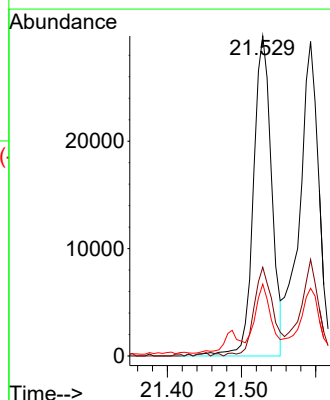
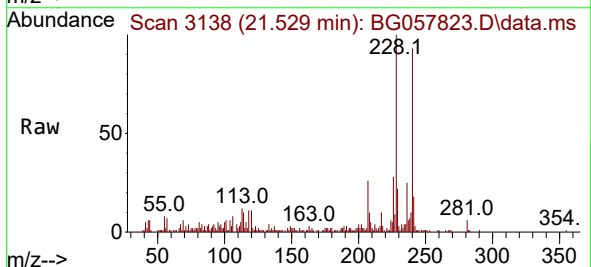
Tgt Ion:228 Resp: 50949

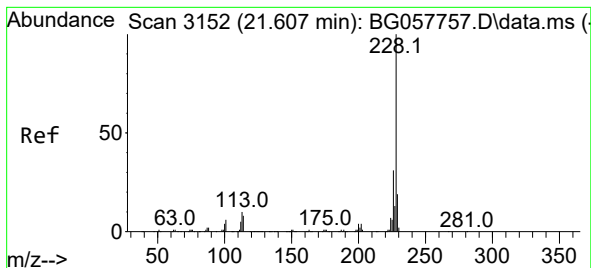
Ion Ratio Lower Upper

228 100

226 27.7 22.3 33.5

229 22.5 16.3 24.5





#83

Chrysene

Concen: 3.105 ng

RT: 21.593 min Scan# 31

Delta R.T. -0.014 min

Lab File: BG057823.D

Acq: 23 Jun 2023 1:08

Instrument :

BNA_G

ClientSampleId :

SP-RIGHT

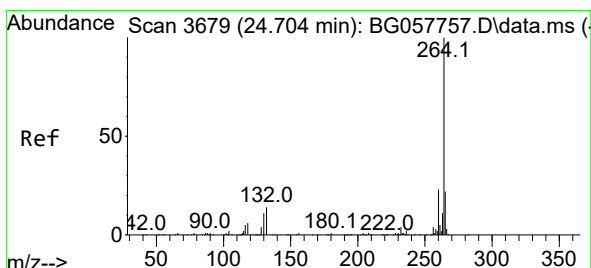
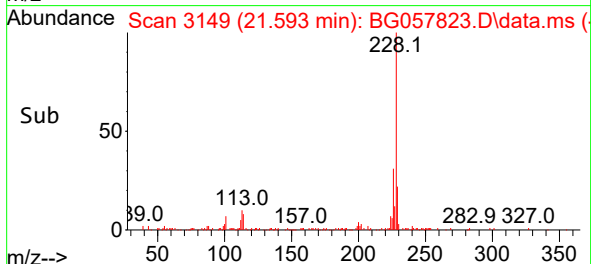
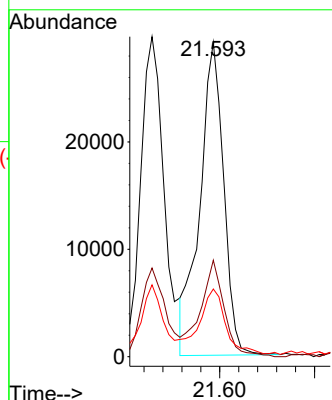
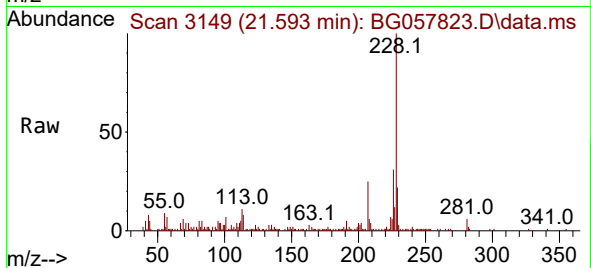
Tgt Ion:228 Resp: 51001

Ion Ratio Lower Upper

228 100

226 30.7 24.8 37.2

229 21.5 15.6 23.4



#86

Perylene-d12

Concen: 20.000 ng

RT: 24.695 min Scan# 3677

Delta R.T. -0.008 min

Lab File: BG057823.D

Acq: 23 Jun 2023 1:08

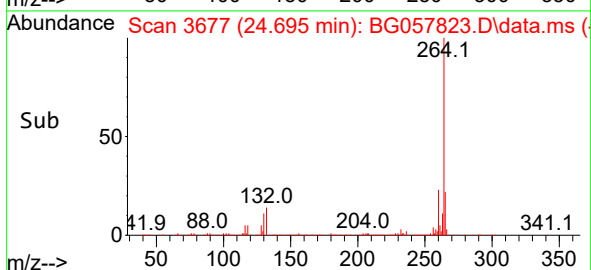
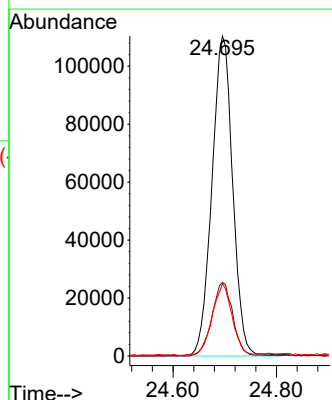
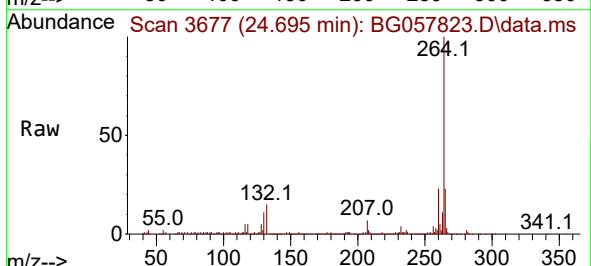
Tgt Ion:264 Resp: 307125

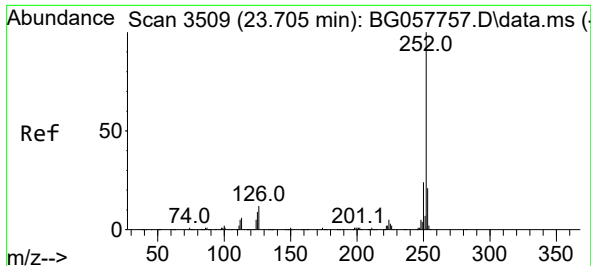
Ion Ratio Lower Upper

264 100

260 23.0 18.5 27.7

265 22.7 17.4 26.2

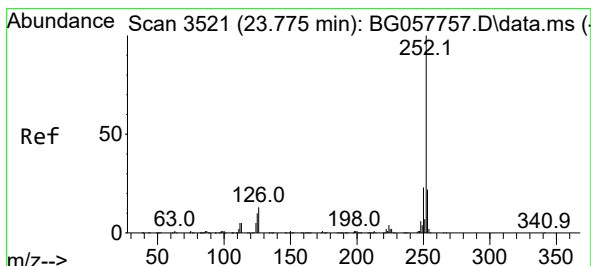
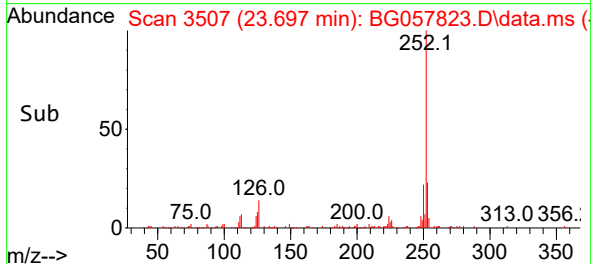
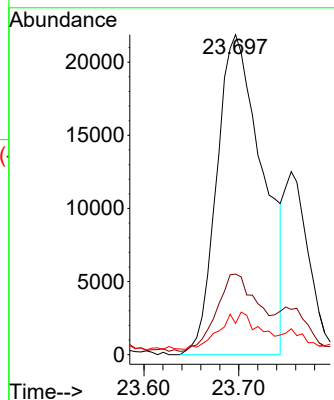
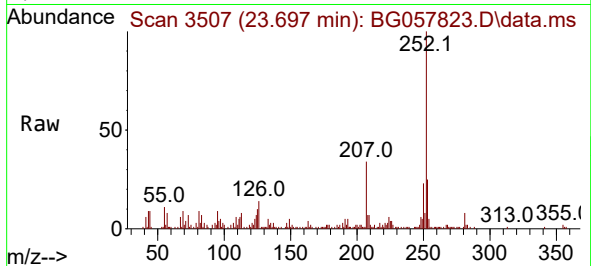




#88
Benzo(b)fluoranthene
Concen: 4.371 ng
RT: 23.697 min Scan# 3507
Delta R.T. -0.008 min
Lab File: BG057823.D
Acq: 23 Jun 2023 1:08

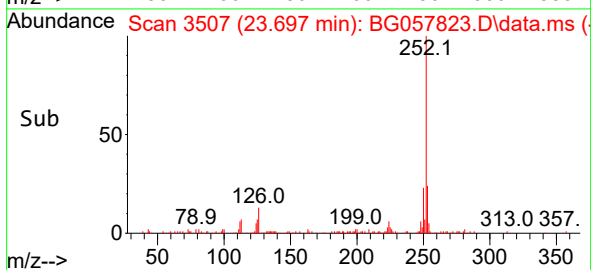
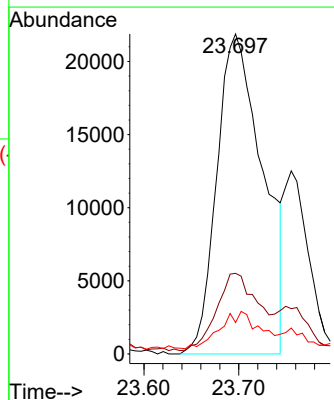
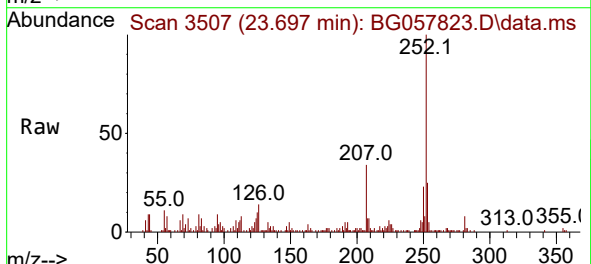
Instrument :
BNA_G
ClientSampleId :
SP-RIGHT

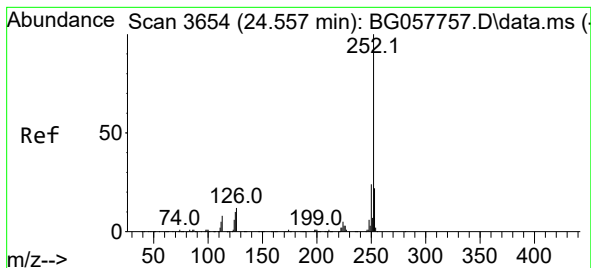
Tgt Ion:252 Resp: 73570
Ion Ratio Lower Upper
252 100
253 25.2 17.1 25.7
125 9.8 7.4 11.0



#89
Benzo(k)fluoranthene
Concen: 4.292 ng
RT: 23.697 min Scan# 3507
Delta R.T. -0.079 min
Lab File: BG057823.D
Acq: 23 Jun 2023 1:08

Tgt Ion:252 Resp: 73570
Ion Ratio Lower Upper
252 100
253 25.2 18.0 27.0
125 9.8 7.6 11.4





#90

Benzo(a)pyrene

Concen: 3.002 ng

RT: 24.543 min Scan# 3

Delta R.T. -0.014 min

Lab File: BG057823.D

Acq: 23 Jun 2023 1:08

Instrument :

BNA_G

ClientSampleId :

SP-RIGHT

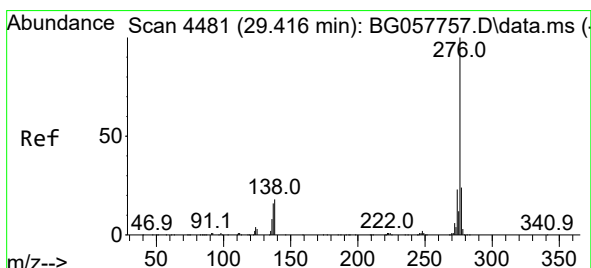
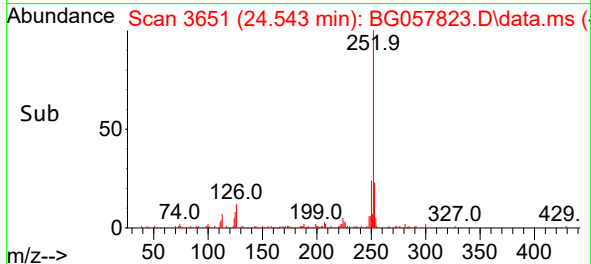
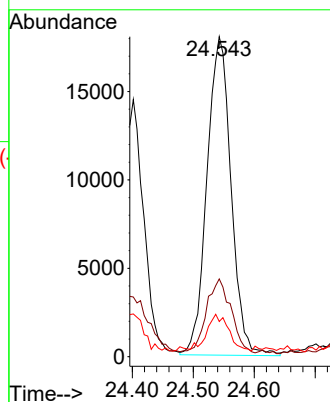
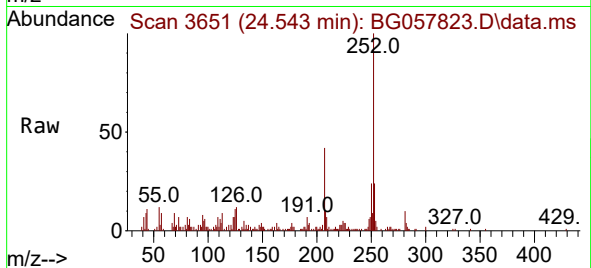
Tgt Ion:252 Resp: 49614

Ion Ratio Lower Upper

252 100

253 24.3 17.4 26.2

125 11.0 8.0 12.0



#92

Benzo(g,h,i)perylene

Concen: 2.311 ng

RT: 29.384 min Scan# 4475

Delta R.T. -0.032 min

Lab File: BG057823.D

Acq: 23 Jun 2023 1:08

Tgt Ion:276 Resp: 38551

Ion Ratio Lower Upper

276 100

277 27.6 19.4 29.0

138 20.3 14.2 21.4

