

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG062323\
 Data File : BG057861.D
 Acq On : 24 Jun 2023 4:22
 Operator : CG/JU
 Sample : 03337-16
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 WC-15

Quant Time: Jun 25 01:42:58 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)

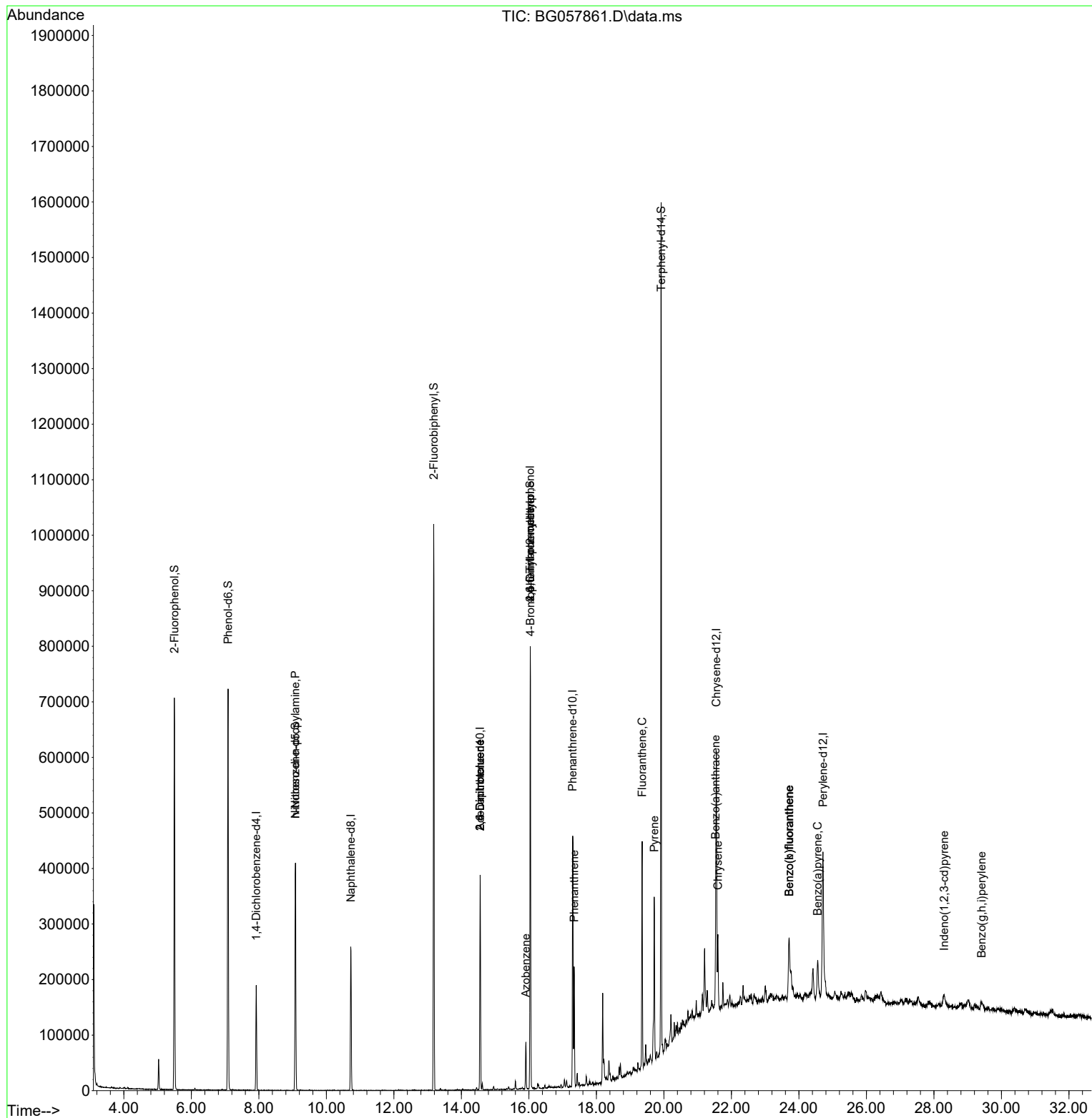
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.921	152	51719	20.000	ng	0.00
21) Naphthalene-d8	10.723	136	220104	20.000	ng	0.00
39) Acenaphthene-d10	14.554	164	137385	20.000	ng	0.00
64) Phenanthrene-d10	17.298	188	299015	20.000	ng	0.00
76) Chrysene-d12	21.552	240	251524	20.000	ng	0.00
86) Perylene-d12	24.713	264	312103	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.494	112	302200	90.095	ng	0.00
7) Phenol-d6	7.087	99	430063	84.029	ng	0.00
23) Nitrobenzene-d5	9.084	82	248226	57.881	ng	0.00
42) 2,4,6-Tribromophenol	16.041	330	170731	89.212	ng	0.00
45) 2-Fluorobiphenyl	13.179	172	545866	60.264	ng	0.00
79) Terphenyl-d14	19.919	244	800983	59.381	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	9.084	70	31414	8.804	ng	# 72
51) 2,6-Dinitrotoluene	14.554	165	18479	9.510	ng	# 20
57) 2,4-Dinitrotoluene	14.554	165	18479	7.013	ng	# 20
63) Azobenzene	15.911	77	24097	2.176	ng	# 1
65) 4,6-Dinitro-2-methylph...	16.041	198	367	5.549	ng	# 1
67) 4-Bromophenyl-phenylether	16.047	248	10836	3.417	ng	# 1
71) Phenanthrene	17.339	178	132279	9.137	ng	99
75) Fluoranthene	19.355	202	247371	14.343	ng	98
78) Pyrene	19.713	202	182850	10.191	ng	99
81) Benzo(a)anthracene	21.534	228	88695	5.140	ng	99
83) Chrysene	21.599	228	97301	5.875	ng	96
87) Indeno(1,2,3-cd)pyrene	28.303	276	43907	2.152	ng	# 80
88) Benzo(b)fluoranthene	23.714	252	126535	7.398	ng	# 96
89) Benzo(k)fluoranthene	23.714	252	126535	7.264	ng	# 97
90) Benzo(a)pyrene	24.554	252	76530	4.556	ng	# 96
92) Benzo(g,h,i)perylene	29.413	276	40982	2.417	ng	# 91

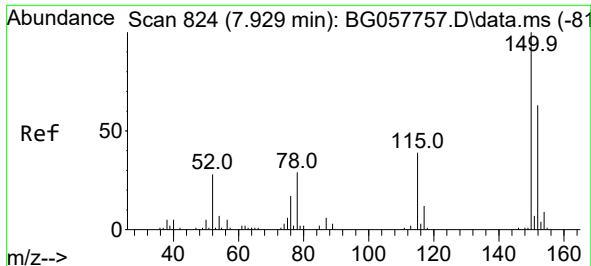
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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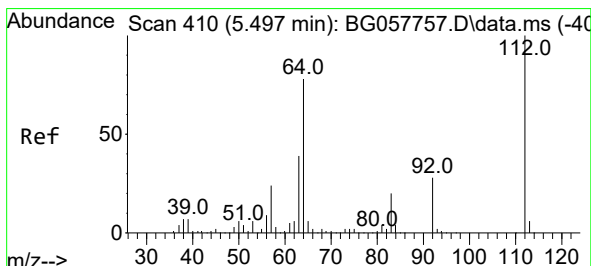
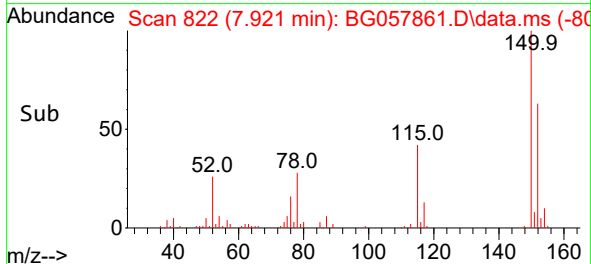
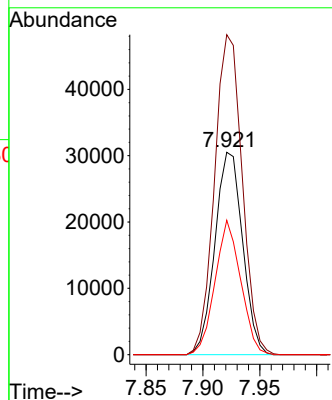
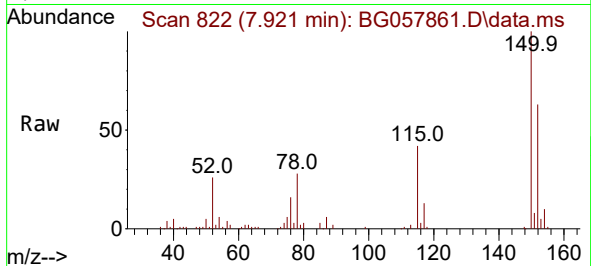




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.921 min Scan# 81
Delta R.T. -0.008 min
Lab File: BG057861.D
Acq: 24 Jun 2023 4:22

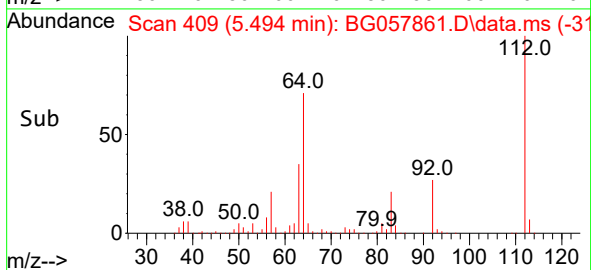
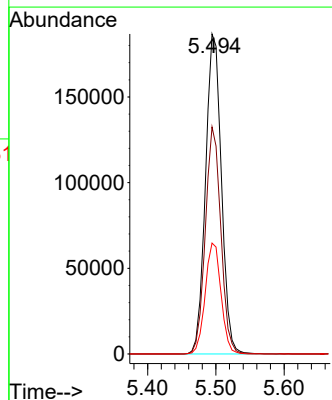
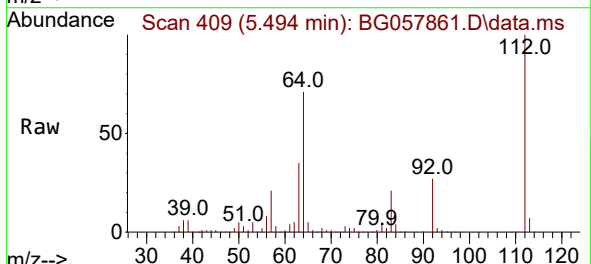
Instrument :
BNA_G
ClientSampleId :
WC-15

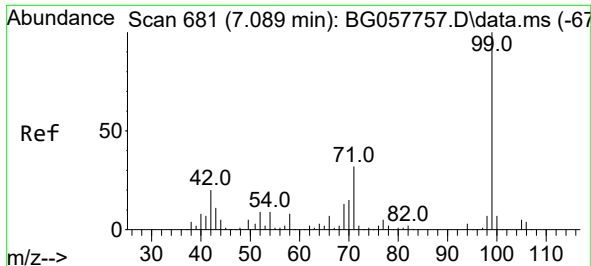
Tgt Ion:152 Resp: 51719
Ion Ratio Lower Upper
152 100
150 158.1 126.6 189.8
115 66.4 48.9 73.3



#5
2-Fluorophenol
Concen: 90.095 ng
RT: 5.494 min Scan# 409
Delta R.T. -0.003 min
Lab File: BG057861.D
Acq: 24 Jun 2023 4:22

Tgt Ion:112 Resp: 302200
Ion Ratio Lower Upper
112 100
64 70.9 62.1 93.1
63 34.7 31.5 47.3

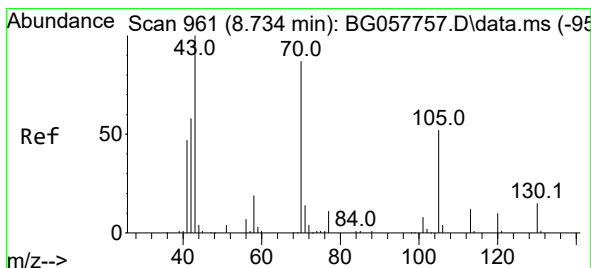
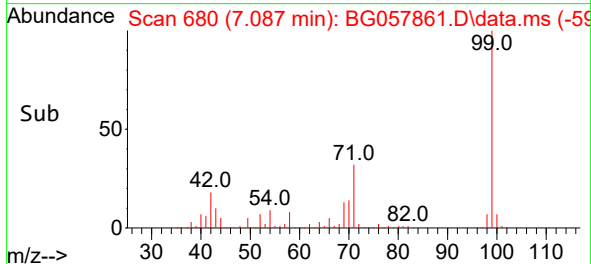
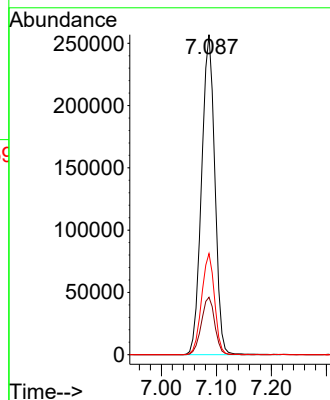
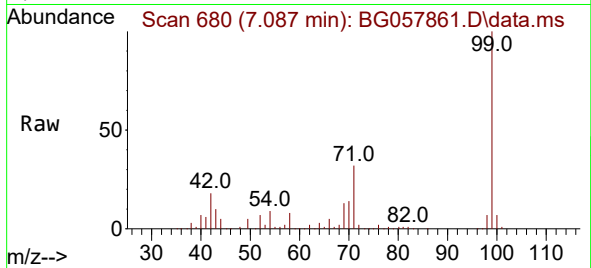




#7
Phenol-d6
Concen: 84.029 ng
RT: 7.087 min Scan# 61
Delta R.T. -0.002 min
Lab File: BG057861.D
Acq: 24 Jun 2023 4:22

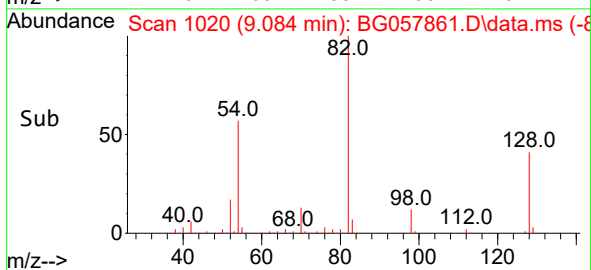
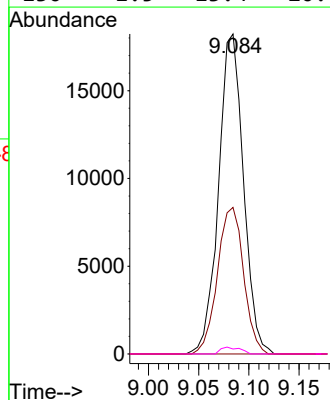
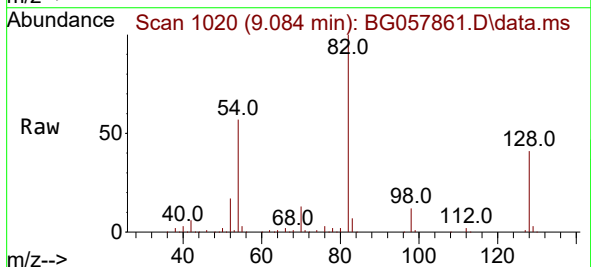
Instrument :
BNA_G
ClientSampleId :
WC-15

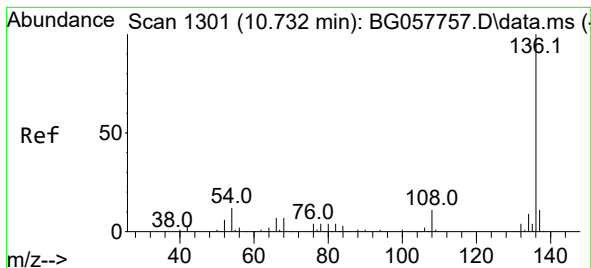
Tgt Ion: 99 Resp: 430063
Ion Ratio Lower Upper
99 100
42 18.0 16.4 24.6
71 31.6 25.8 38.6



#19
n-Nitroso-di-n-propylamine
Concen: 8.804 ng
RT: 9.084 min Scan# 1020
Delta R.T. 0.350 min
Lab File: BG057861.D
Acq: 24 Jun 2023 4:22

Tgt Ion: 70 Resp: 31414
Ion Ratio Lower Upper
70 100
42 45.8 54.2 81.2#
101 0.0 7.4 11.0#
130 1.5 13.4 20.0#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.723 min Scan# 11

Delta R.T. -0.008 min

Lab File: BG057861.D

Acq: 24 Jun 2023 4:22

Instrument :

BNA_G

ClientSampleId :

WC-15

Tgt Ion:136 Resp: 220104

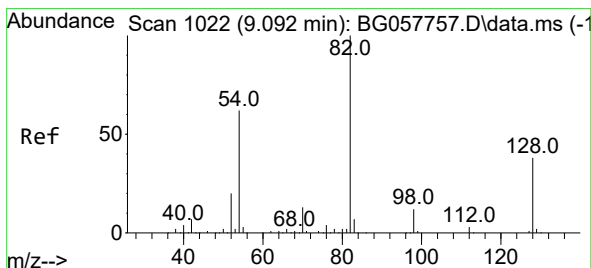
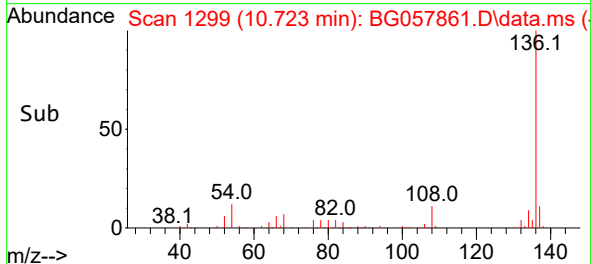
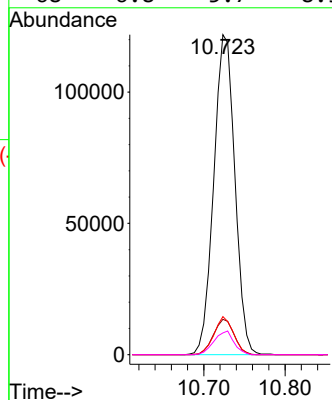
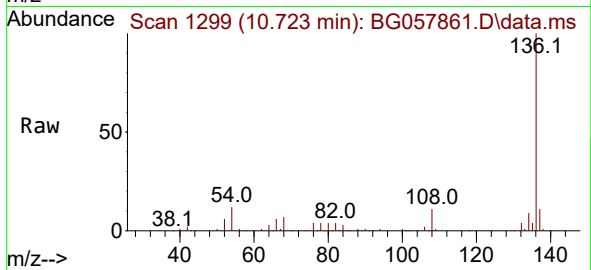
Ion Ratio Lower Upper

136 100

137 11.0 8.5 12.7

54 11.9 9.5 14.3

68 6.8 5.7 8.5



#23

Nitrobenzene-d5

Concen: 57.881 ng

RT: 9.084 min Scan# 1020

Delta R.T. -0.008 min

Lab File: BG057861.D

Acq: 24 Jun 2023 4:22

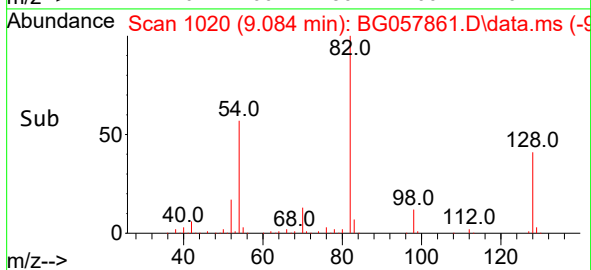
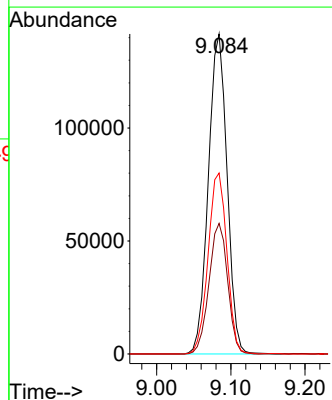
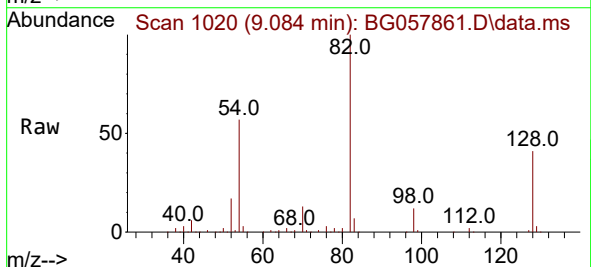
Tgt Ion: 82 Resp: 248226

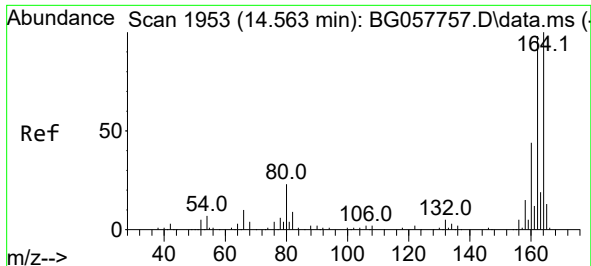
Ion Ratio Lower Upper

82 100

128 40.8 30.7 46.1

54 56.5 49.6 74.4

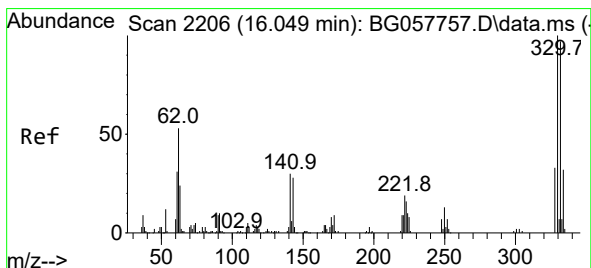
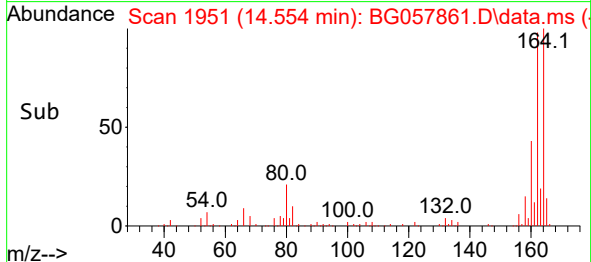
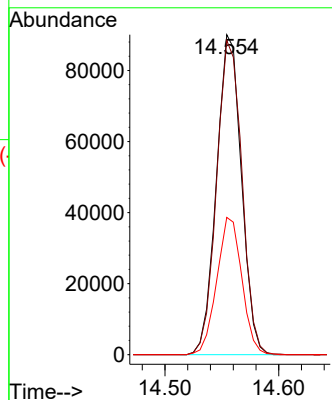
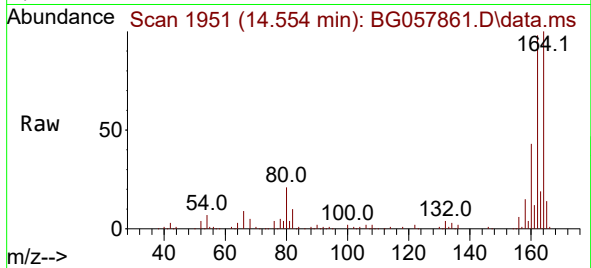




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.554 min Scan# 1953
Delta R.T. -0.008 min
Lab File: BG057861.D
Acq: 24 Jun 2023 4:22

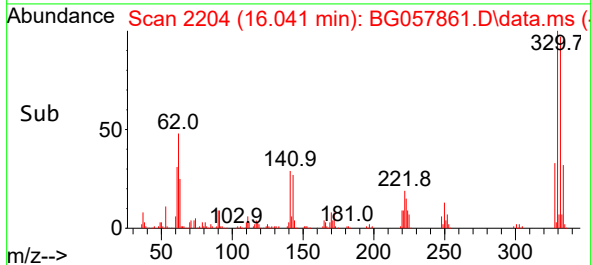
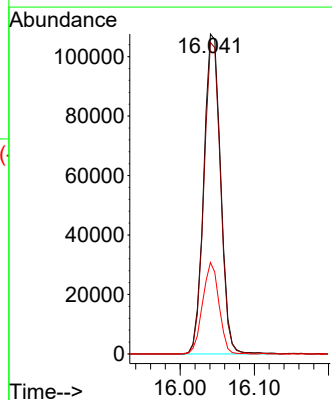
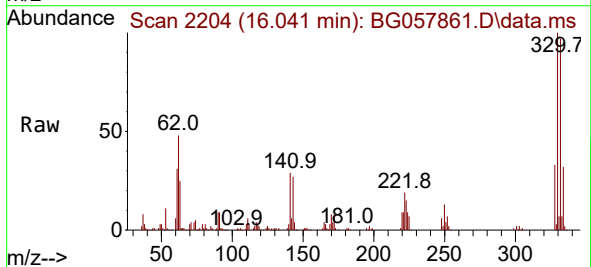
Instrument :
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ClientSampleId :
WC-15

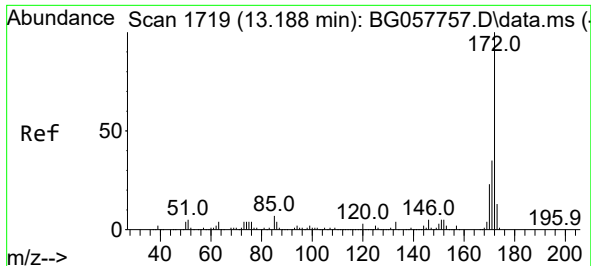
Tgt Ion:164 Resp: 137385
Ion Ratio Lower Upper
164 100
162 98.2 78.3 117.5
160 42.9 35.4 53.0



#42
2,4,6-Tribromophenol
Concen: 89.212 ng
RT: 16.041 min Scan# 2204
Delta R.T. -0.008 min
Lab File: BG057861.D
Acq: 24 Jun 2023 4:22

Tgt Ion:330 Resp: 170731
Ion Ratio Lower Upper
330 100
332 95.5 76.6 115.0
141 27.7 24.7 37.1

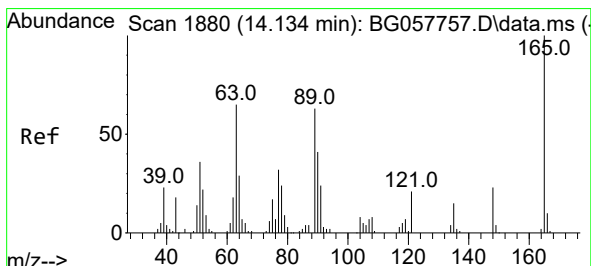
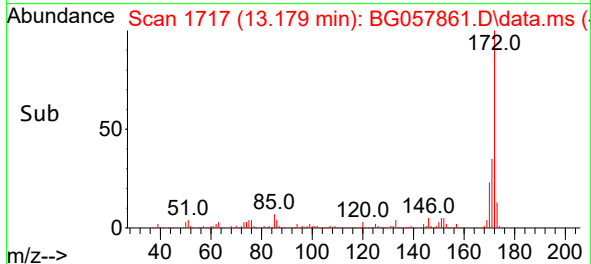
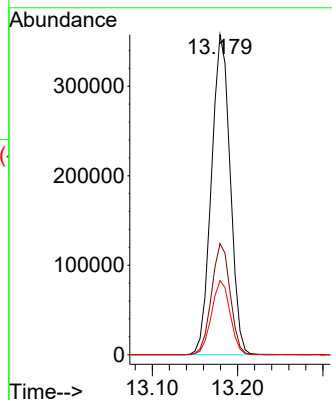
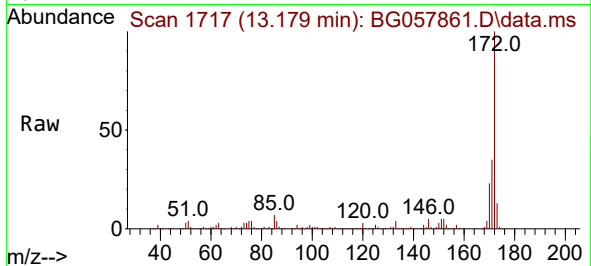




#45
2-Fluorobiphenyl
Concen: 60.264 ng
RT: 13.179 min Scan# 1
Delta R.T. -0.008 min
Lab File: BG057861.D
Acq: 24 Jun 2023 4:22

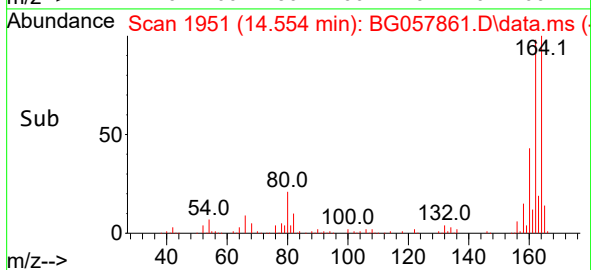
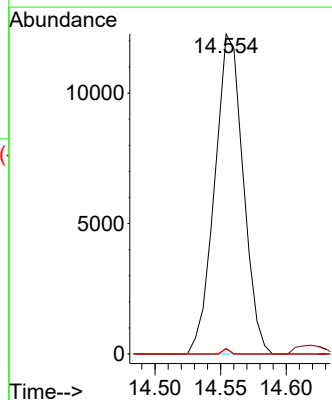
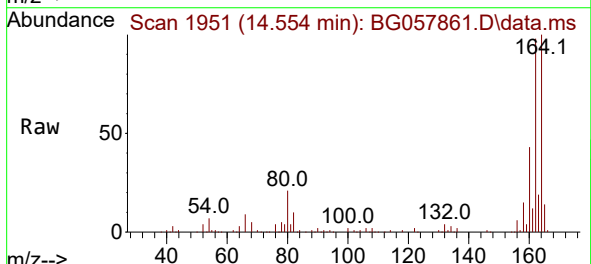
Instrument :
BNA_G
ClientSampleId :
WC-15

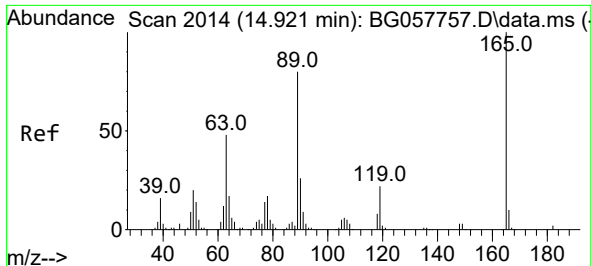
Tgt Ion:172 Resp: 545866
Ion Ratio Lower Upper
172 100
171 34.7 28.1 42.1
170 23.2 18.6 27.8



#51
2,6-Dinitrotoluene
Concen: 9.510 ng
RT: 14.554 min Scan# 1951
Delta R.T. 0.420 min
Lab File: BG057861.D
Acq: 24 Jun 2023 4:22

Tgt Ion:165 Resp: 18479
Ion Ratio Lower Upper
165 100
63 1.7 52.8 79.2#
89 1.6 50.7 76.1#





#57

2,4-Dinitrotoluene

Concen: 7.013 ng

RT: 14.554 min Scan# 1951

Delta R.T. -0.367 min

Lab File: BG057861.D

Acq: 24 Jun 2023 4:22

Instrument :

BNA_G

ClientSampleId :

WC-15

Tgt Ion:165 Resp: 18479

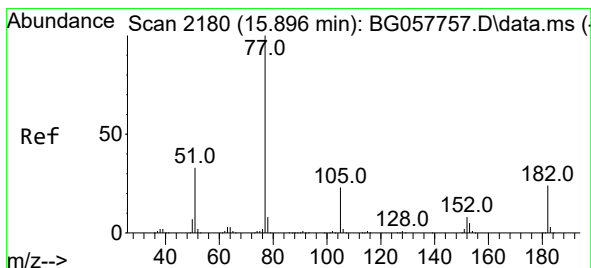
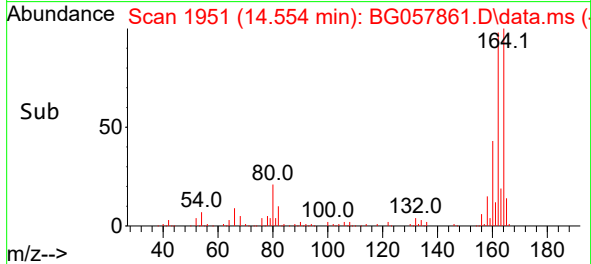
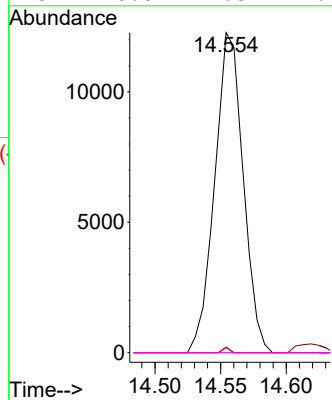
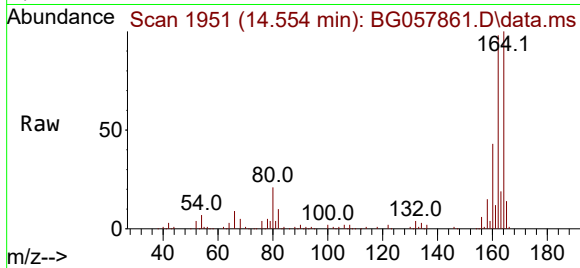
Ion Ratio Lower Upper

165 100

63 1.7 38.6 58.0#

89 1.6 63.7 95.5#

182 0.0 1.8 2.6#



#63

Azobenzene

Concen: 2.176 ng

RT: 15.911 min Scan# 2182

Delta R.T. 0.015 min

Lab File: BG057861.D

Acq: 24 Jun 2023 4:22

Tgt Ion: 77 Resp: 24097

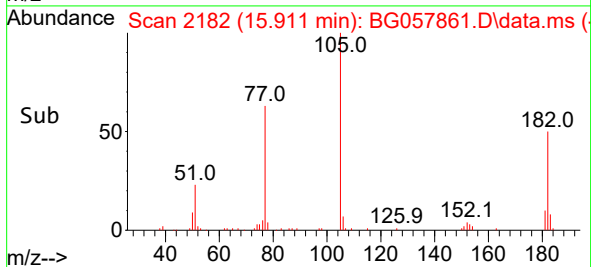
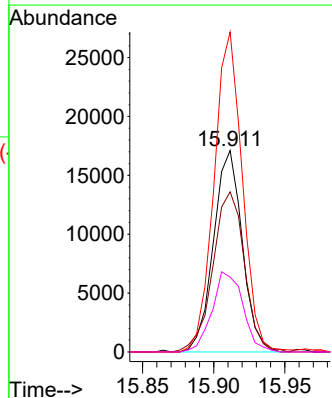
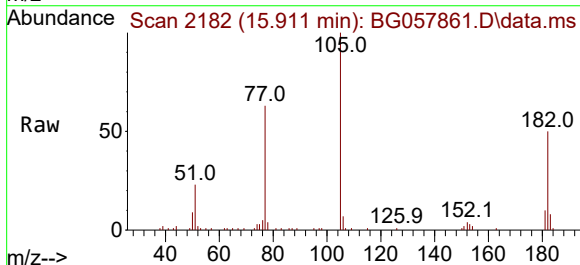
Ion Ratio Lower Upper

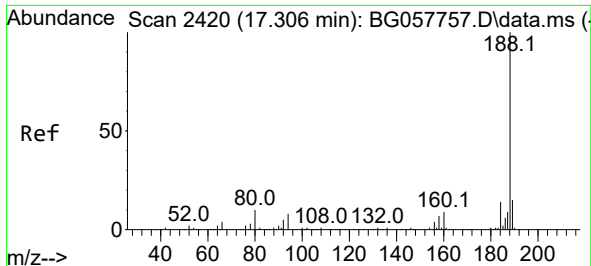
77 100

182 79.5 4.1 44.1#

105 158.8 3.3 43.3#

51 37.2 13.4 53.4

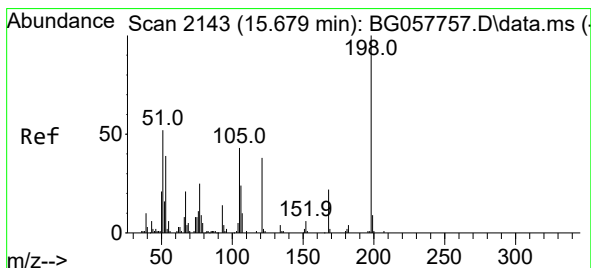
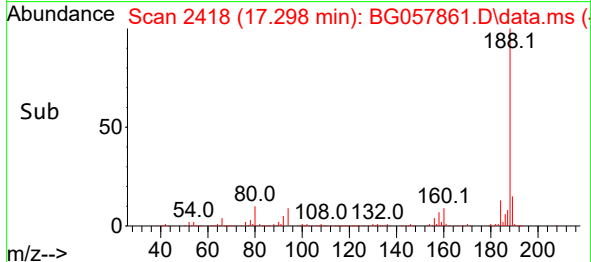
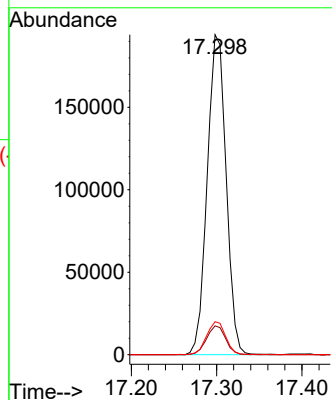
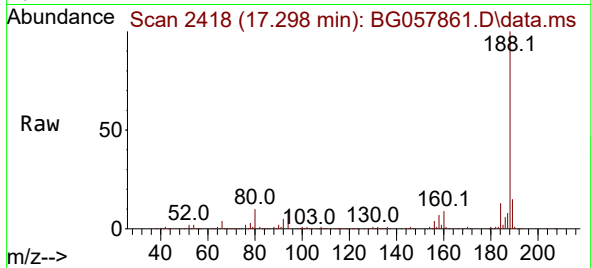




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.298 min Scan# 2420
Delta R.T. -0.008 min
Lab File: BG057861.D
Acq: 24 Jun 2023 4:22

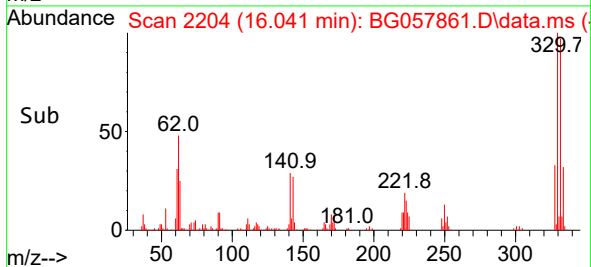
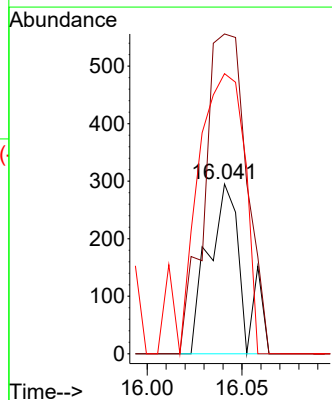
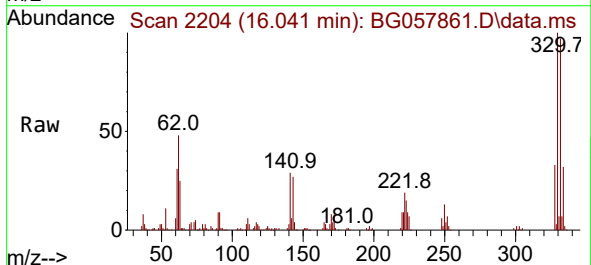
Instrument :
BNA_G
ClientSampleId :
WC-15

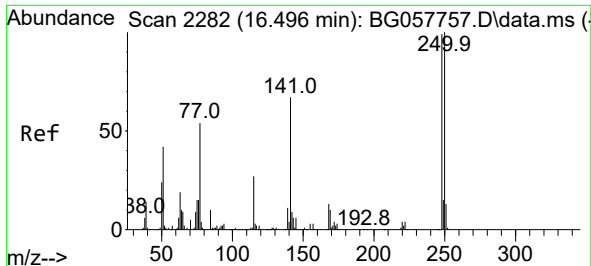
Tgt Ion:188 Resp: 299015
Ion Ratio Lower Upper
188 100
94 9.0 6.6 9.8
80 10.3 7.6 11.4



#65
4,6-Dinitro-2-methylphenol
Concen: 5.549 ng
RT: 16.041 min Scan# 2204
Delta R.T. 0.362 min
Lab File: BG057861.D
Acq: 24 Jun 2023 4:22

Tgt Ion:198 Resp: 367
Ion Ratio Lower Upper
198 100
51 188.5 36.6 76.6#
105 165.1 24.3 64.3#

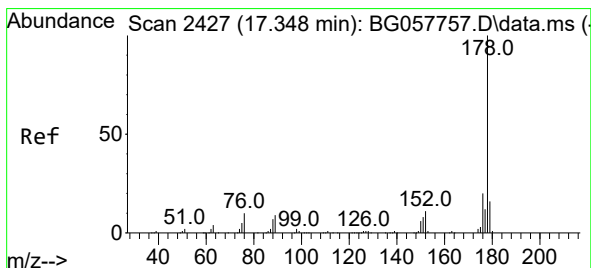
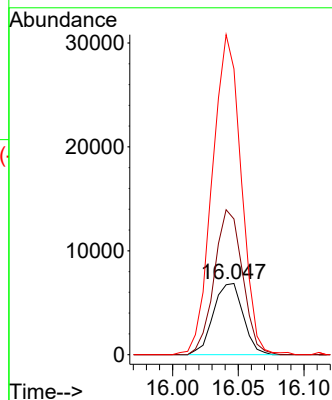
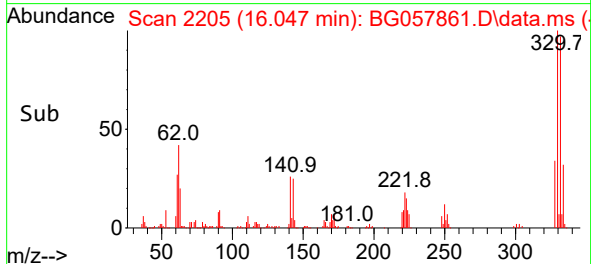
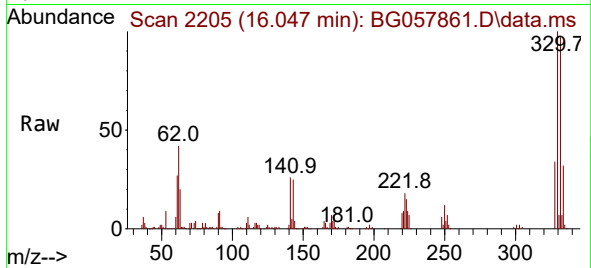




#67
4-Bromophenyl-phenylether
Concen: 3.417 ng
RT: 16.047 min Scan# 21
Delta R.T. -0.449 min
Lab File: BG057861.D
Acq: 24 Jun 2023 4:22

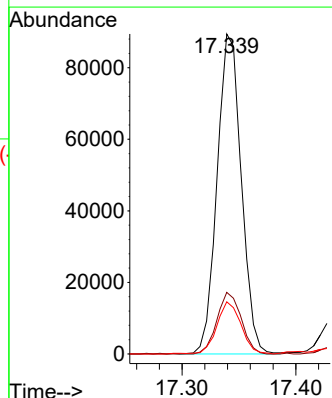
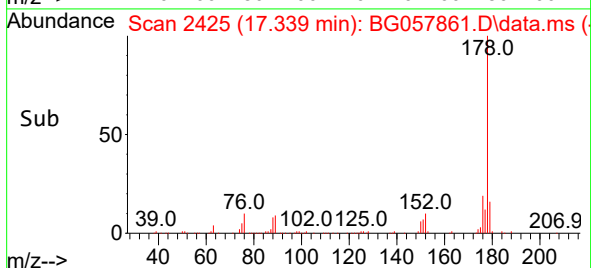
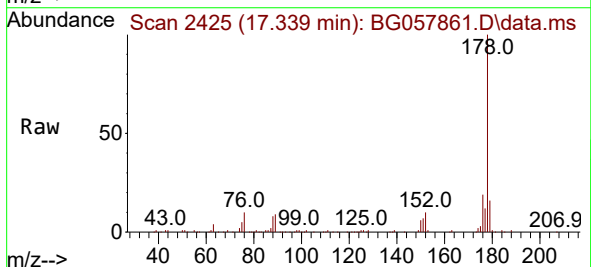
Instrument :
BNA_G
ClientSampleId :
WC-15

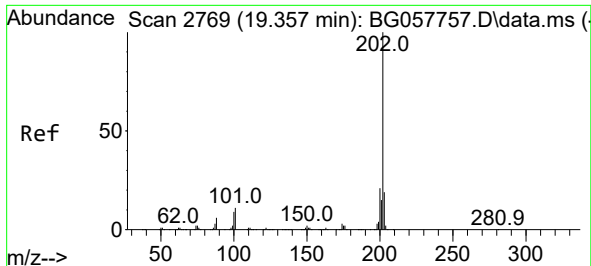
Tgt Ion:248 Resp: 10836
Ion Ratio Lower Upper
248 100
250 190.3 81.1 121.7#
141 401.0 54.6 81.8#



#71
Phenanthrene
Concen: 9.137 ng
RT: 17.339 min Scan# 2425
Delta R.T. -0.008 min
Lab File: BG057861.D
Acq: 24 Jun 2023 4:22

Tgt Ion:178 Resp: 132279
Ion Ratio Lower Upper
178 100
176 19.2 16.3 24.5
179 16.3 13.0 19.6

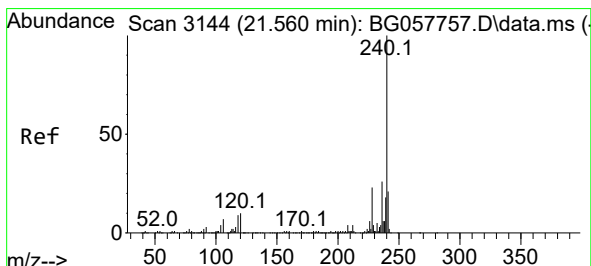
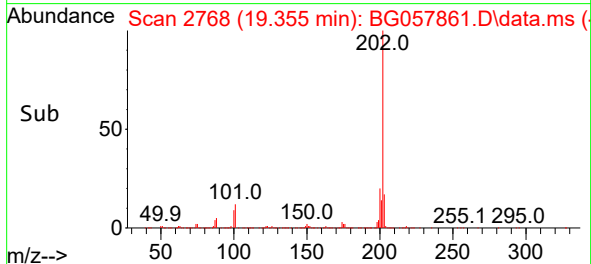
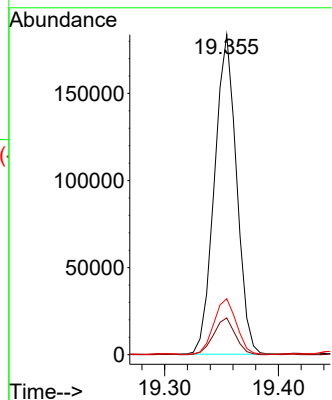
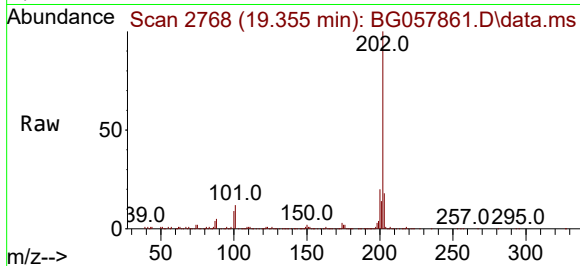




#75
Fluoranthene
Concen: 14.343 ng
RT: 19.355 min Scan# 21
Delta R.T. -0.002 min
Lab File: BG057861.D
Acq: 24 Jun 2023 4:22

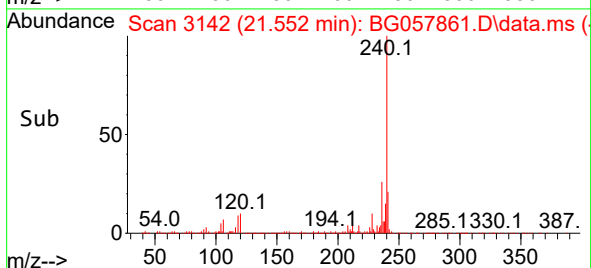
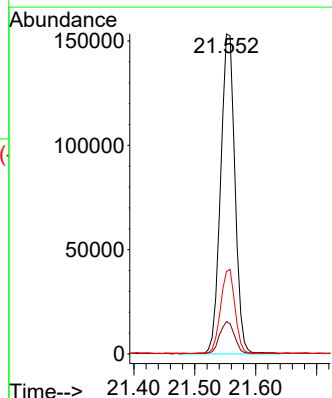
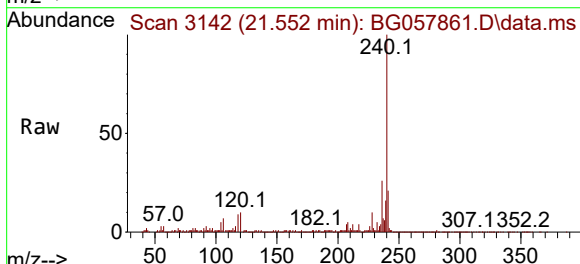
Instrument :
BNA_G
ClientSampleId :
WC-15

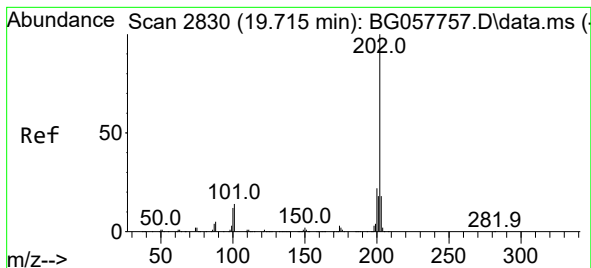
Tgt Ion:202 Resp: 247371
Ion Ratio Lower Upper
202 100
101 11.5 0.0 31.3
203 17.5 0.0 38.7



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.552 min Scan# 3142
Delta R.T. -0.008 min
Lab File: BG057861.D
Acq: 24 Jun 2023 4:22

Tgt Ion:240 Resp: 251524
Ion Ratio Lower Upper
240 100
120 10.1 8.1 12.1
236 25.8 20.6 30.8





#78

Pyrene

Concen: 10.191 ng

RT: 19.713 min Scan# 2829

Delta R.T. -0.002 min

Lab File: BG057861.D

Acq: 24 Jun 2023 4:22

Instrument :

BNA_G

ClientSampleId :

WC-15

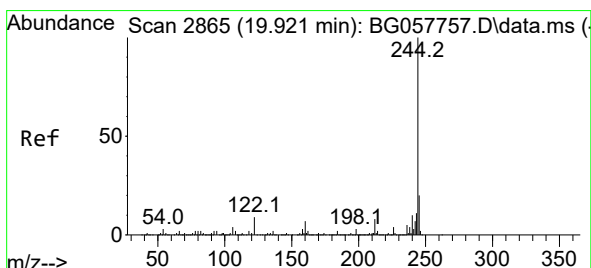
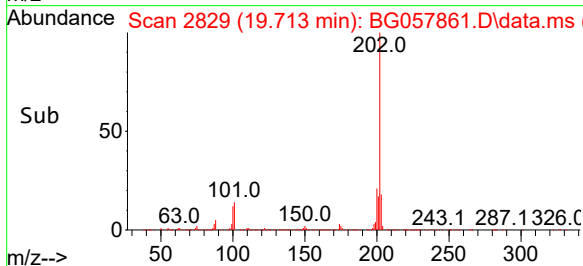
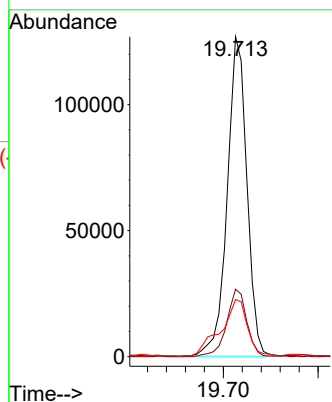
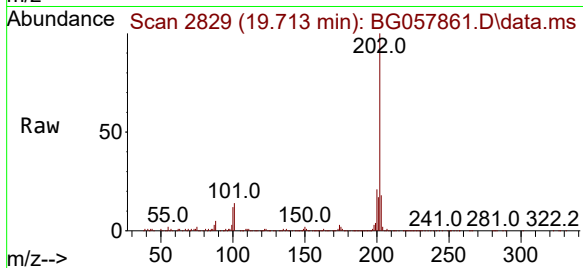
Tgt Ion:202 Resp: 182850

Ion Ratio Lower Upper

202 100

200 21.1 17.4 26.0

203 17.8 14.6 22.0



#79

Terphenyl-d14

Concen: 59.381 ng

RT: 19.919 min Scan# 2864

Delta R.T. -0.002 min

Lab File: BG057861.D

Acq: 24 Jun 2023 4:22

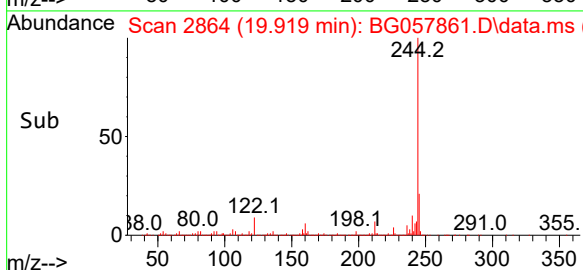
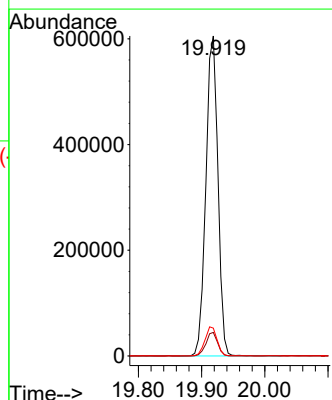
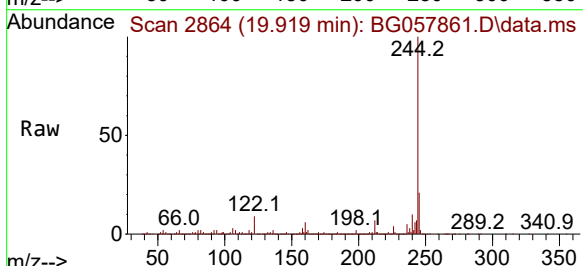
Tgt Ion:244 Resp: 800983

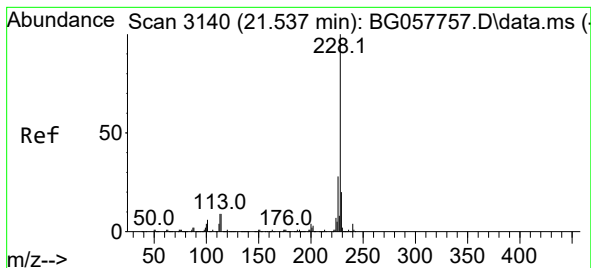
Ion Ratio Lower Upper

244 100

212 7.4 6.1 9.1

122 8.7 7.6 11.4





#81

Benzo(a)anthracene

Concen: 5.140 ng

RT: 21.534 min Scan# 31

Delta R.T. -0.002 min

Lab File: BG057861.D

Acq: 24 Jun 2023 4:22

Instrument :

BNA_G

ClientSampleId :

WC-15

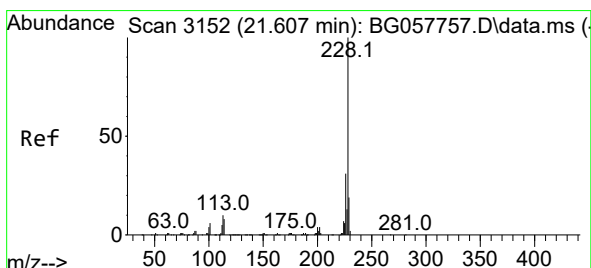
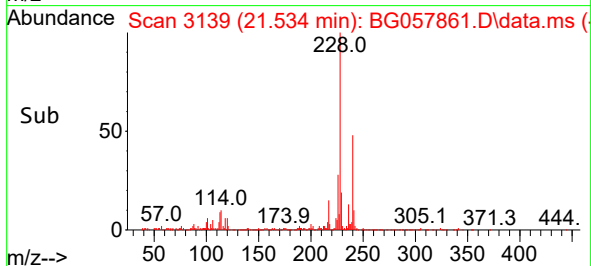
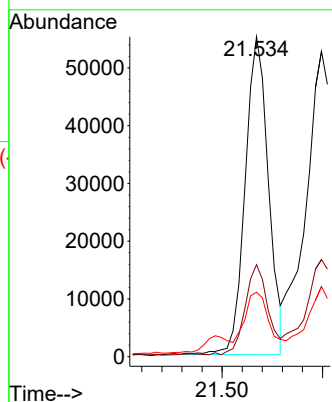
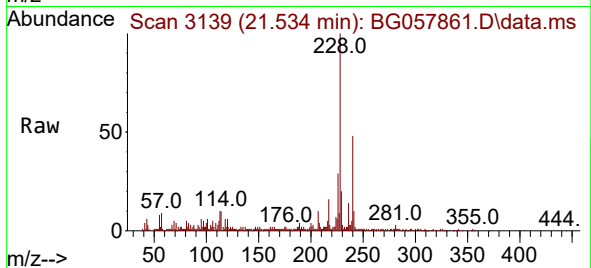
Tgt Ion:228 Resp: 88695

Ion Ratio Lower Upper

228 100

226 28.8 22.3 33.5

229 20.2 16.3 24.5



#83

Chrysene

Concen: 5.875 ng

RT: 21.599 min Scan# 3150

Delta R.T. -0.008 min

Lab File: BG057861.D

Acq: 24 Jun 2023 4:22

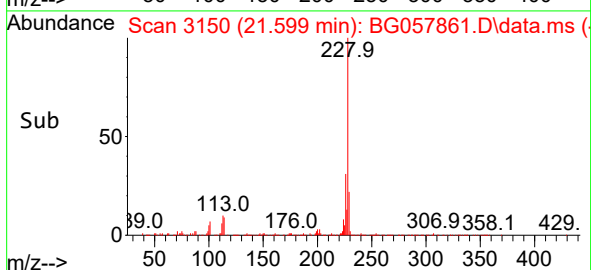
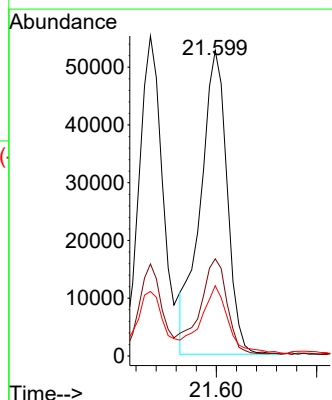
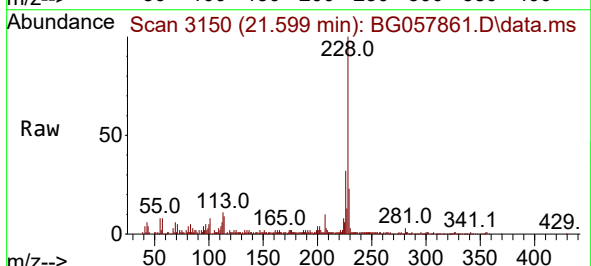
Tgt Ion:228 Resp: 97301

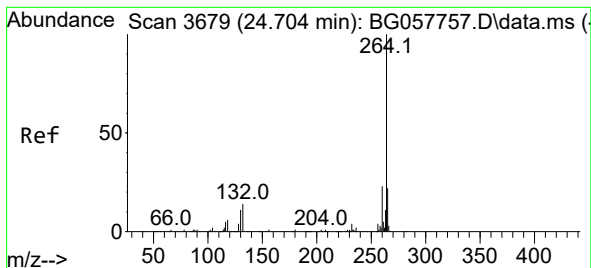
Ion Ratio Lower Upper

228 100

226 31.8 24.8 37.2

229 23.0 15.6 23.4





#86

Perylene-d12

Concen: 20.000 ng

RT: 24.713 min Scan# 3

Delta R.T. 0.009 min

Lab File: BG057861.D

Acq: 24 Jun 2023 4:22

Instrument :

BNA_G

ClientSampleId :

WC-15

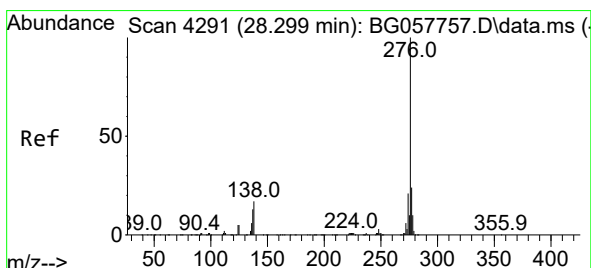
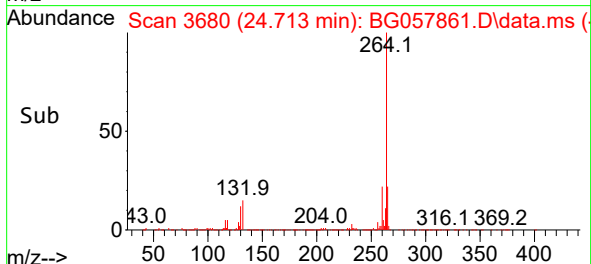
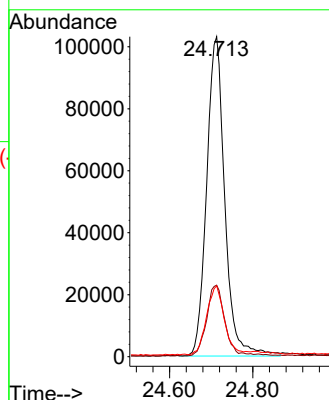
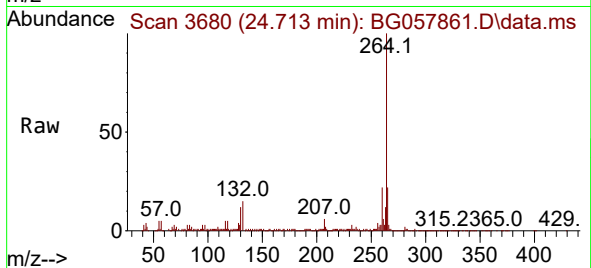
Tgt Ion:264 Resp: 312103

Ion Ratio Lower Upper

264 100

260 22.4 18.5 27.7

265 22.2 17.4 26.2



#87

Indeno(1,2,3-cd)pyrene

Concen: 2.152 ng

RT: 28.303 min Scan# 4291

Delta R.T. 0.003 min

Lab File: BG057861.D

Acq: 24 Jun 2023 4:22

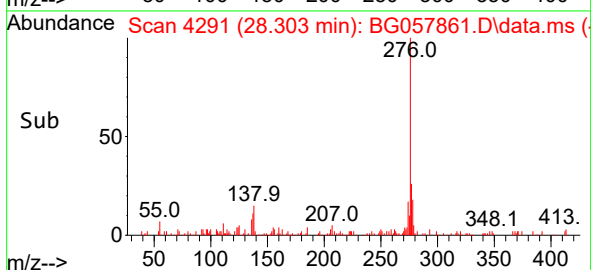
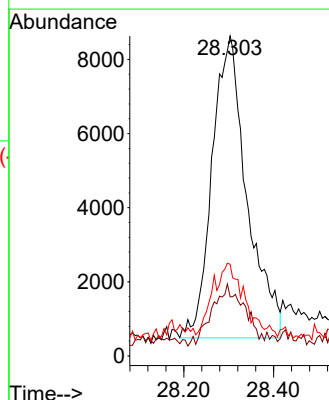
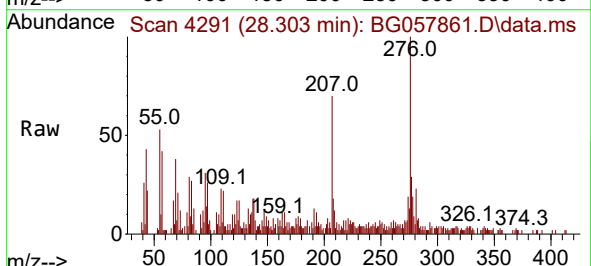
Tgt Ion:276 Resp: 43907

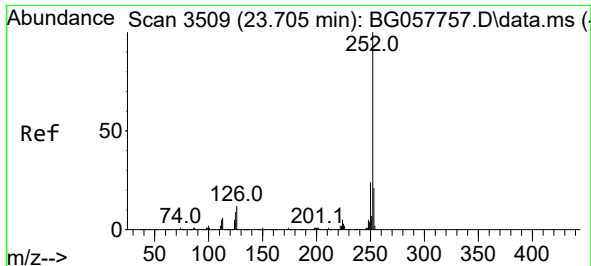
Ion Ratio Lower Upper

276 100

138 19.2 11.3 16.9#

277 13.0 20.4 30.6#

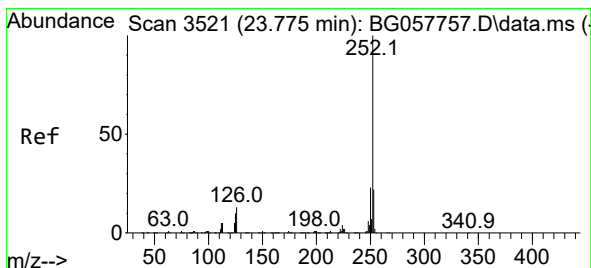
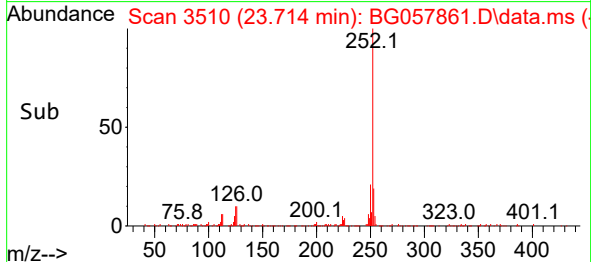
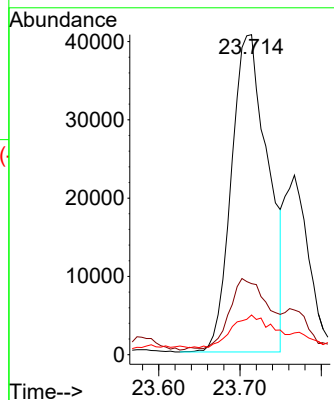
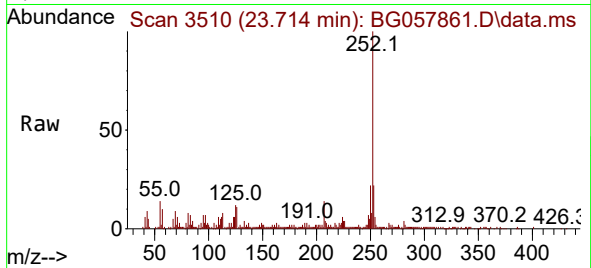




#88
Benzo(b)fluoranthene
Concen: 7.398 ng
RT: 23.714 min Scan# 3510
Delta R.T. 0.009 min
Lab File: BG057861.D
Acq: 24 Jun 2023 4:22

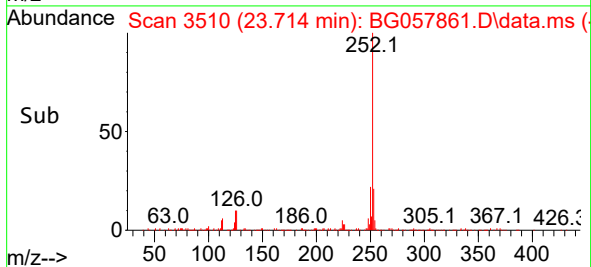
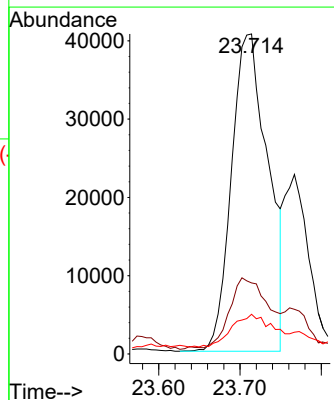
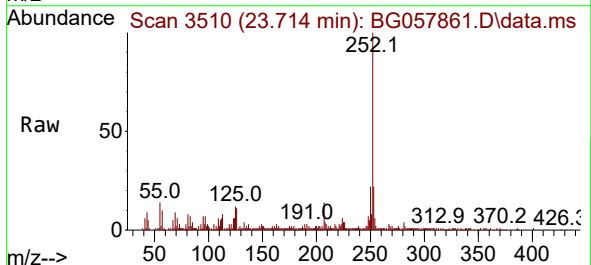
Instrument :
BNA_G
ClientSampleId :
WC-15

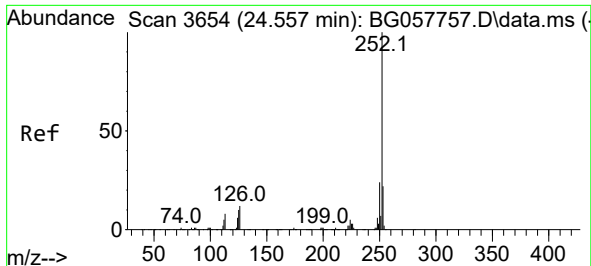
Tgt Ion:252 Resp: 126535
Ion Ratio Lower Upper
252 100
253 22.2 17.1 25.7
125 12.4 7.4 11.0#



#89
Benzo(k)fluoranthene
Concen: 7.264 ng
RT: 23.714 min Scan# 3510
Delta R.T. -0.061 min
Lab File: BG057861.D
Acq: 24 Jun 2023 4:22

Tgt Ion:252 Resp: 126535
Ion Ratio Lower Upper
252 100
253 22.2 18.0 27.0
125 12.4 7.6 11.4#

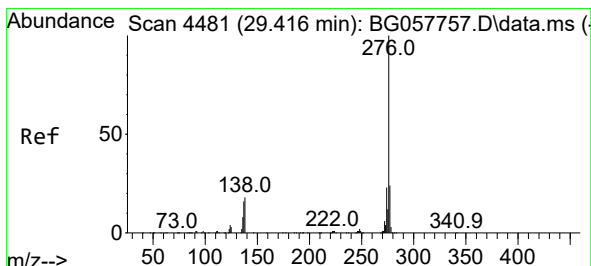
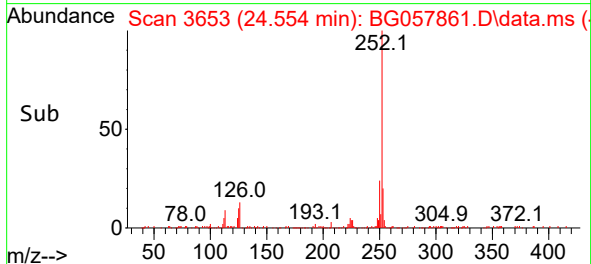
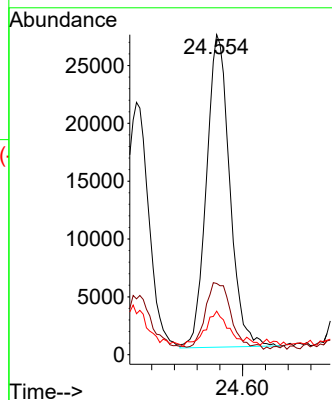
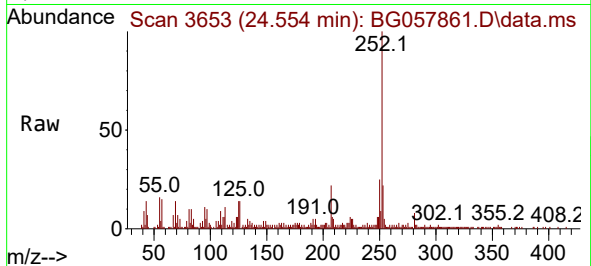




#90
Benzo(a)pyrene
Concen: 4.556 ng
RT: 24.554 min Scan# 30
Delta R.T. -0.002 min
Lab File: BG057861.D
Acq: 24 Jun 2023 4:22

Instrument :
BNA_G
ClientSampleId :
WC-15

Tgt Ion:252 Resp: 76530
Ion Ratio Lower Upper
252 100
253 22.3 17.4 26.2
125 13.6 8.0 12.0#



#92
Benzo(g,h,i)perylene
Concen: 2.417 ng
RT: 29.413 min Scan# 4480
Delta R.T. -0.002 min
Lab File: BG057861.D
Acq: 24 Jun 2023 4:22

Tgt Ion:276 Resp: 40982
Ion Ratio Lower Upper
276 100
277 26.8 19.4 29.0
138 23.7 14.2 21.4#

