

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG062323\
 Data File : BG057863.D
 Acq On : 24 Jun 2023 5:46
 Operator : CG/JU
 Sample : 03291-03DL 2X
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 MW-6ADL

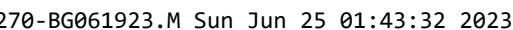
Quant Time: Jun 25 01:43:27 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG061923.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jun 20 03:40:38 2023
 Response via : Initial Calibration

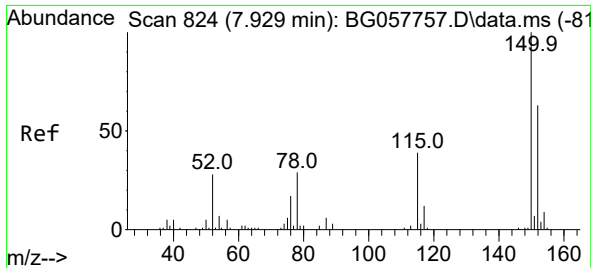
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.924	152	50896	20.000	ng	0.00
21) Naphthalene-d8	10.727	136	215573	20.000	ng	0.00
39) Acenaphthene-d10	14.557	164	138629	20.000	ng	0.00
64) Phenanthrene-d10	17.301	188	300741	20.000	ng	0.00
76) Chrysene-d12	21.555	240	254062	20.000	ng	0.00
86) Perylene-d12	24.710	264	311592	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.503	112	112160	33.979	ng	0.00
7) Phenol-d6	7.084	99	94182	18.700	ng	0.00
23) Nitrobenzene-d5	9.082	82	199143	47.412	ng	-0.01
42) 2,4,6-Tribromophenol	16.044	330	142099	73.585	ng	0.00
45) 2-Fluorobiphenyl	13.183	172	441924	48.351	ng	0.00
79) Terphenyl-d14	19.916	244	636081	46.685	ng	0.00
Target Compounds						
						Qvalue
9) Benzaldehyde	7.072	77	42611	13.455	ng	# 1
10) Phenol	7.113	94	13283	2.679	ng	94
15) Benzyl Alcohol	8.153	79	9392	2.439	ng	96
17) 2-Methylphenol	8.365	107	151686	41.588	ng	95
18) Hexachloroethane	9.034	117	30037	24.327	ng	# 1
19) n-Nitroso-di-n-propyla...	9.082	70	25500	7.262	ng	# 75
20) 3+4-Methylphenols	8.688	107	33839	6.717	ng	96
22) Acetophenone	8.729	105	49029	8.110	ng	# 63
31) Naphthalene	10.780	128	807771	70.404	ng	99
32) Benzoic acid	9.969	122	6675	2.633	ng	# 58
33) 4-Chloroaniline	10.780	127	109968	20.686	ng	# 33
37) 2-Methylnaphthalene	12.384	142	70865	8.474	ng	99
38) 1-Methylnaphthalene	12.601	142	34495	4.370	ng	98
51) 2,6-Dinitrotoluene	14.557	165	17898	9.128	ng	# 20
57) 2,4-Dinitrotoluene	14.557	165	17898	6.731	ng	# 20
63) Azobenzene	15.909	77	43585	3.901	ng	# 1
65) 4,6-Dinitro-2-methylph...	16.038	198	135	5.399	ng	# 1
67) 4-Bromophenyl-phenylether	16.044	248	8660	2.715	ng	# 1

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

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Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG061923.M
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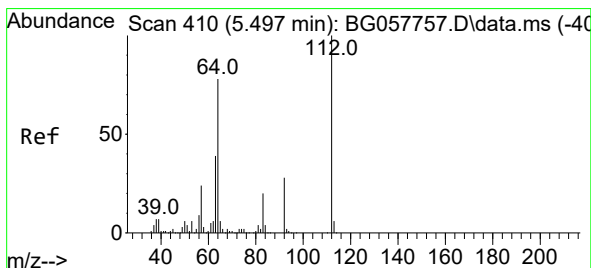
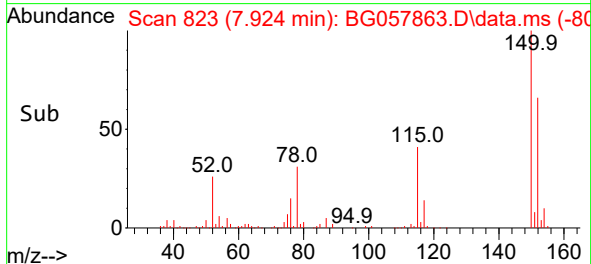
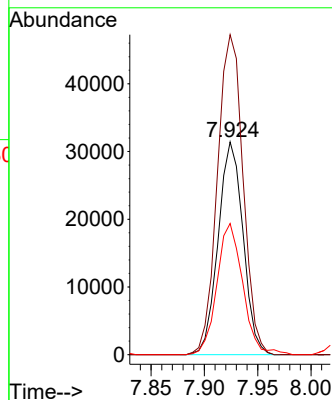
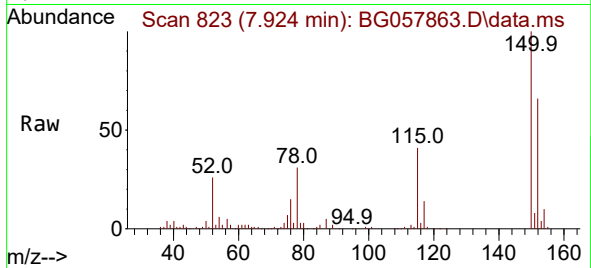




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.924 min Scan# 81
Delta R.T. -0.005 min
Lab File: BG057863.D
Acq: 24 Jun 2023 5:46

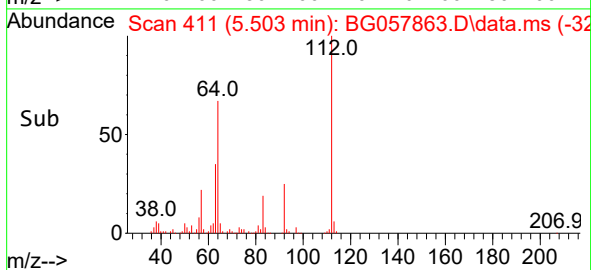
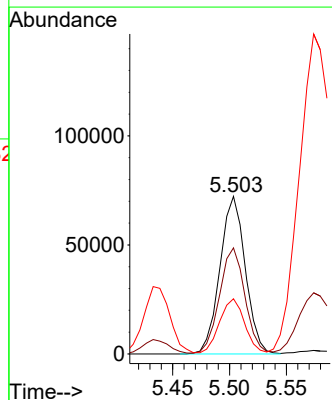
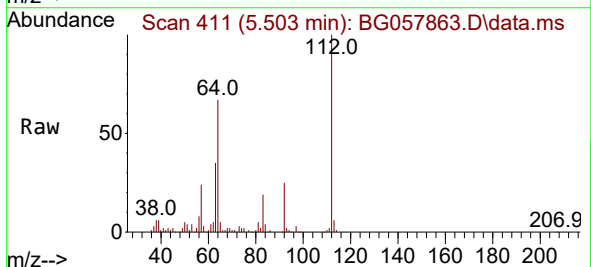
Instrument :
BNA_G
ClientSampleId :
MW-6ADL

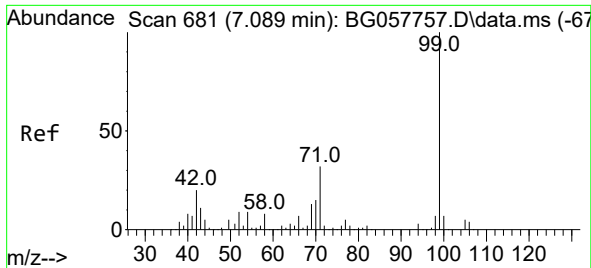
Tgt Ion:152 Resp: 50896
Ion Ratio Lower Upper
152 100
150 150.4 126.6 189.8
115 61.7 48.9 73.3



#5
2-Fluorophenol
Concen: 33.979 ng
RT: 5.503 min Scan# 411
Delta R.T. 0.006 min
Lab File: BG057863.D
Acq: 24 Jun 2023 5:46

Tgt Ion:112 Resp: 112160
Ion Ratio Lower Upper
112 100
64 67.3 62.1 93.1
63 35.1 31.5 47.3

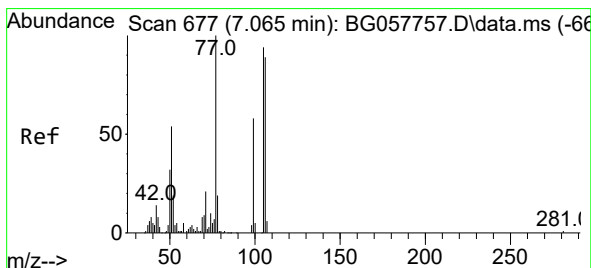
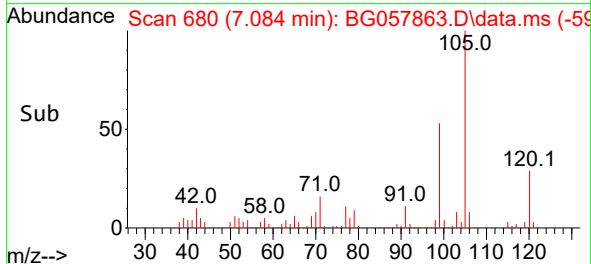
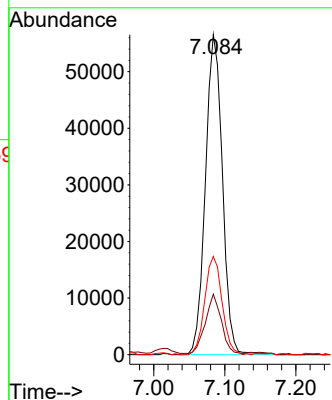
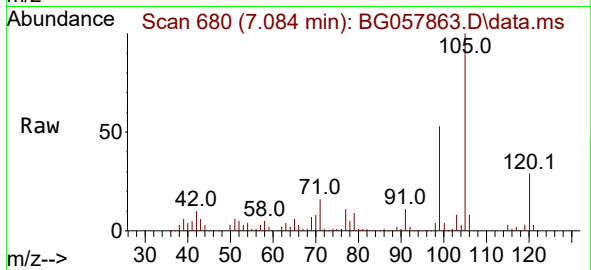




#7
Phenol-d6
Concen: 18.700 ng
RT: 7.084 min Scan# 61
Delta R.T. -0.005 min
Lab File: BG057863.D
Acq: 24 Jun 2023 5:46

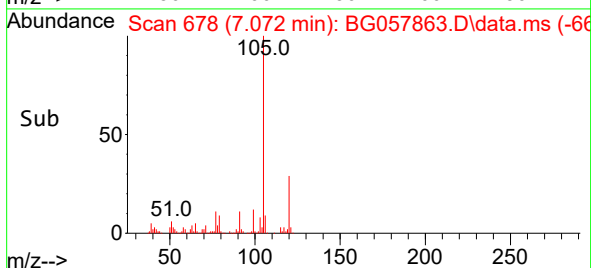
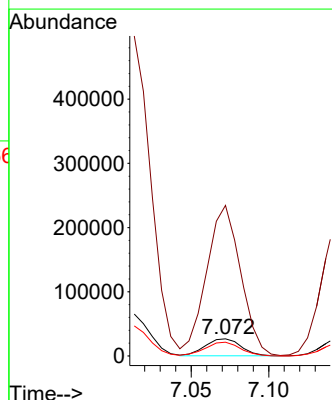
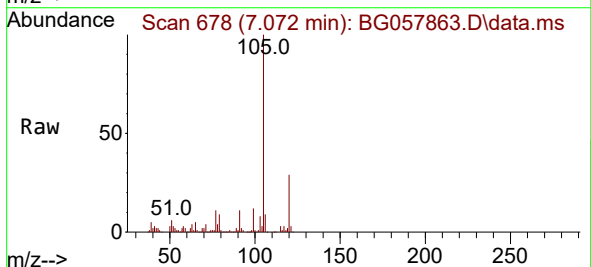
Instrument :
BNA_G
ClientSampleId :
MW-6ADL

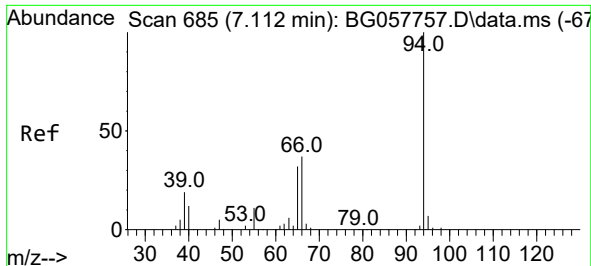
Tgt Ion: 99 Resp: 94182
Ion Ratio Lower Upper
99 100
42 18.9 16.4 24.6
71 30.7 25.8 38.6



#9
Benzaldehyde
Concen: 13.455 ng
RT: 7.072 min Scan# 678
Delta R.T. 0.007 min
Lab File: BG057863.D
Acq: 24 Jun 2023 5:46

Tgt Ion: 77 Resp: 42611
Ion Ratio Lower Upper
77 100
105 878.4 73.7 113.7#
106 80.3 69.0 109.0

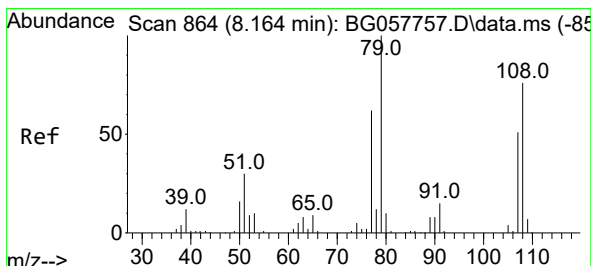
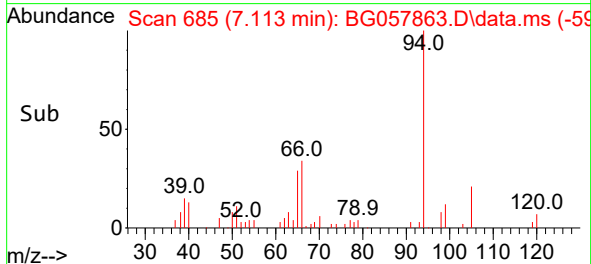
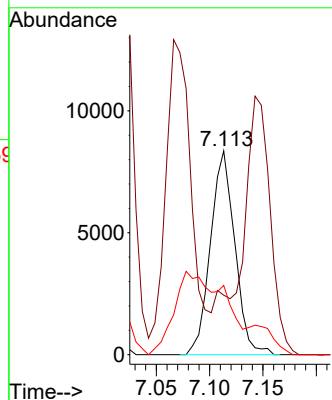
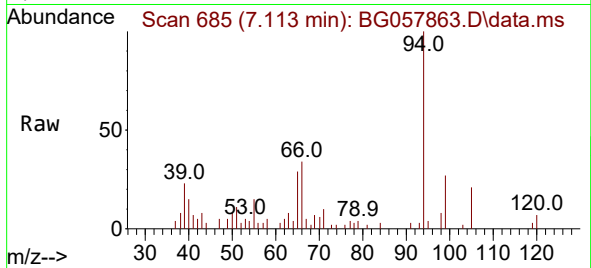




#10
Phenol
Concen: 2.679 ng
RT: 7.113 min Scan# 61
Delta R.T. 0.001 min
Lab File: BG057863.D
Acq: 24 Jun 2023 5:46

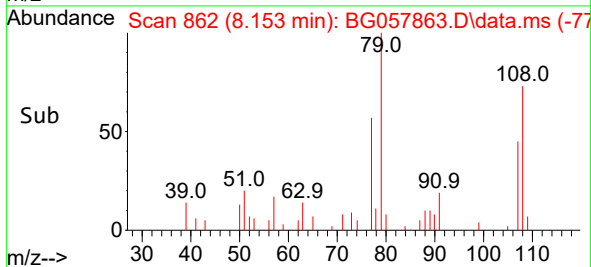
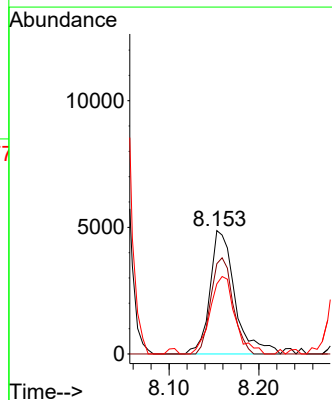
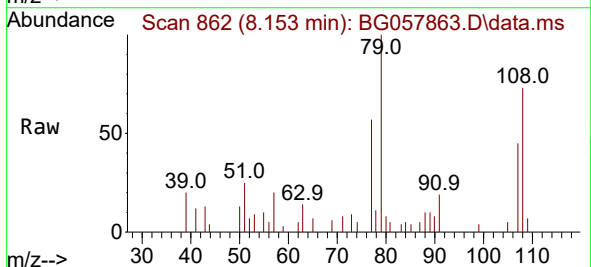
Instrument :
BNA_G
ClientSampleId :
MW-6ADL

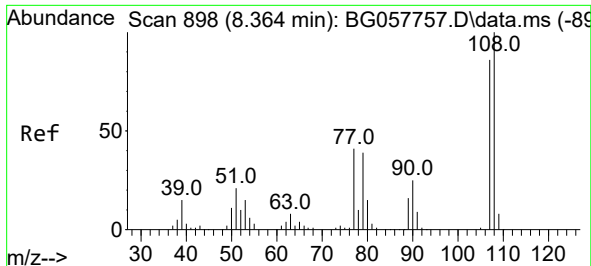
Tgt Ion: 94 Resp: 13283
Ion Ratio Lower Upper
94 100
65 29.2 12.2 52.2
66 34.0 18.3 58.3



#15
Benzyl Alcohol
Concen: 2.439 ng
RT: 8.153 min Scan# 862
Delta R.T. -0.011 min
Lab File: BG057863.D
Acq: 24 Jun 2023 5:46

Tgt Ion: 79 Resp: 9392
Ion Ratio Lower Upper
79 100
108 73.2 60.5 90.7
77 56.9 49.3 73.9





#17

2-Methylphenol

Concen: 41.588 ng

RT: 8.365 min Scan# 89

Delta R.T. 0.001 min

Lab File: BG057863.D

Acq: 24 Jun 2023 5:46

Instrument :

BNA_G

ClientSampleId :

MW-6ADL

Tgt Ion:107 Resp: 151686

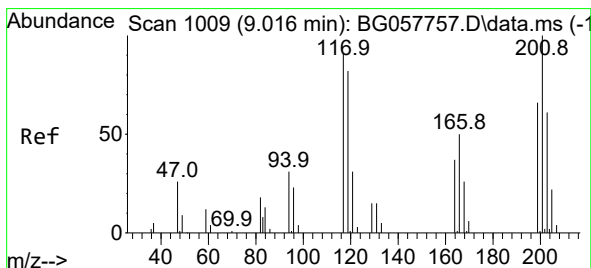
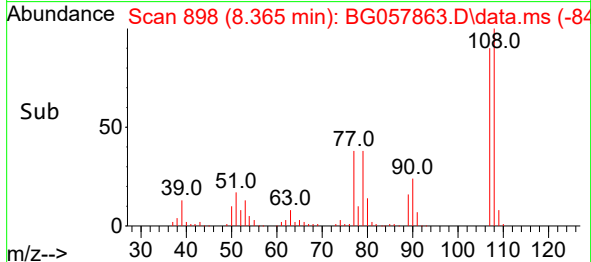
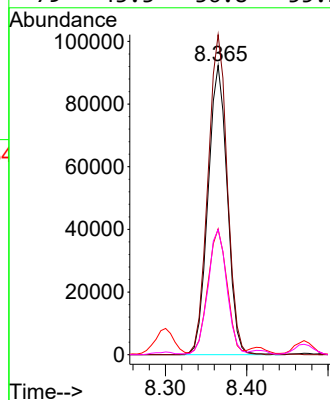
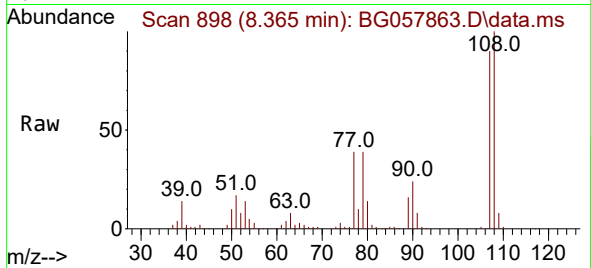
Ion Ratio Lower Upper

107 100

108 110.6 93.2 139.8

77 43.5 37.8 56.8

79 43.3 36.8 55.2



#18

Hexachloroethane

Concen: 24.327 ng

RT: 9.034 min Scan# 1012

Delta R.T. 0.018 min

Lab File: BG057863.D

Acq: 24 Jun 2023 5:46

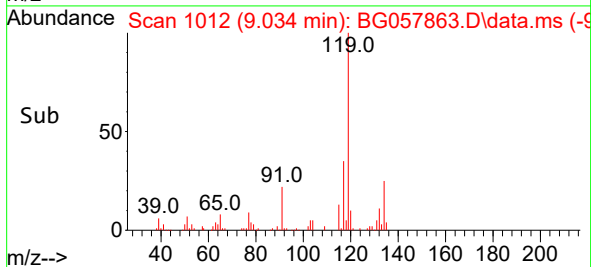
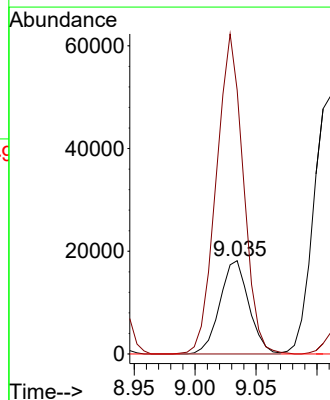
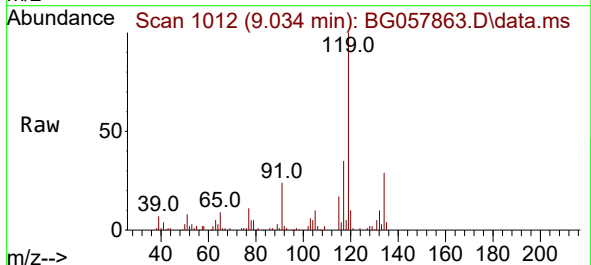
Tgt Ion:117 Resp: 30037

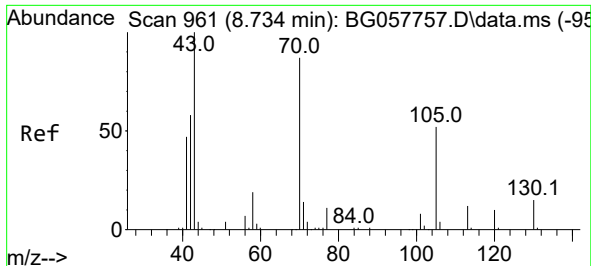
Ion Ratio Lower Upper

117 100

119 282.7 72.3 108.5#

201 0.0 87.8 131.8#





#19

n-Nitroso-di-n-propylamine

Concen: 7.262 ng

RT: 9.082 min Scan# 1020

Delta R.T. 0.347 min

Lab File: BG057863.D

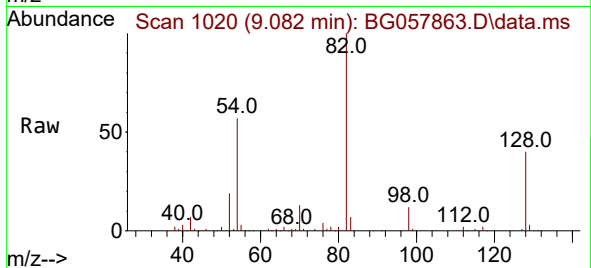
Acq: 24 Jun 2023 5:46

Instrument :

BNA_G

ClientSampleId :

MW-6ADL



Tgt Ion: 70 Resp: 25500

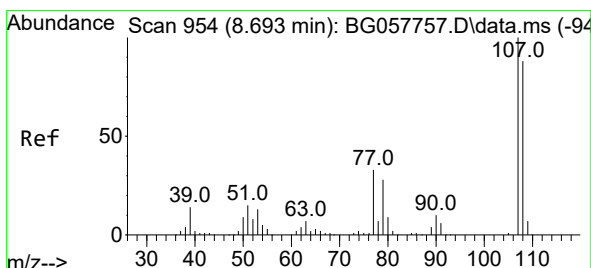
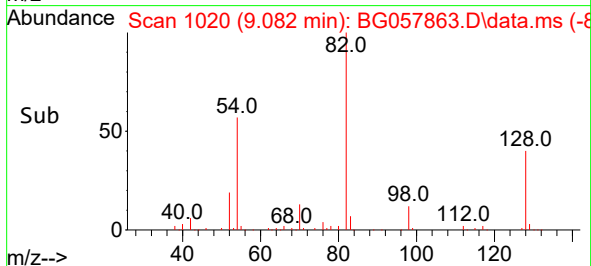
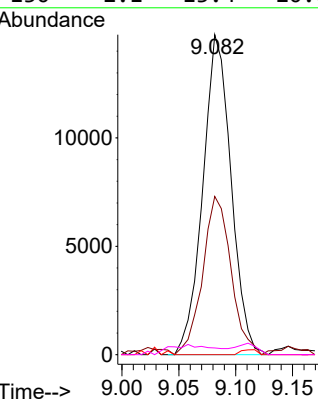
Ion Ratio Lower Upper

70 100

42 49.5 54.2 81.2#

101 0.0 7.4 11.0#

130 2.1 13.4 20.0#



#20

3+4-Methylphenols

Concen: 6.717 ng

RT: 8.688 min Scan# 953

Delta R.T. -0.005 min

Lab File: BG057863.D

Acq: 24 Jun 2023 5:46

Tgt Ion: 107 Resp: 33839

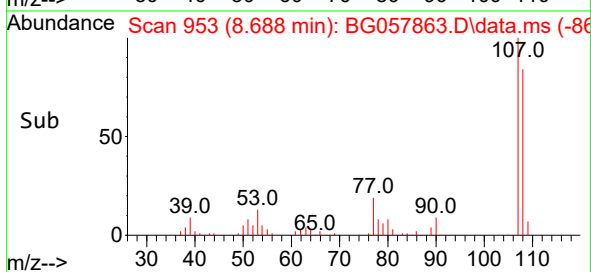
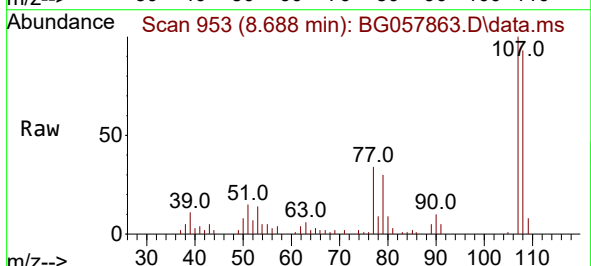
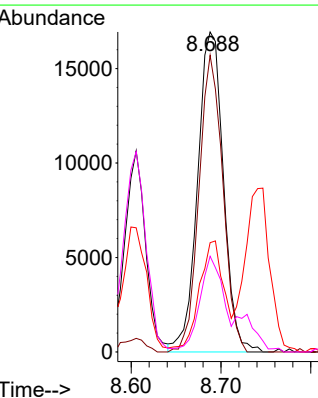
Ion Ratio Lower Upper

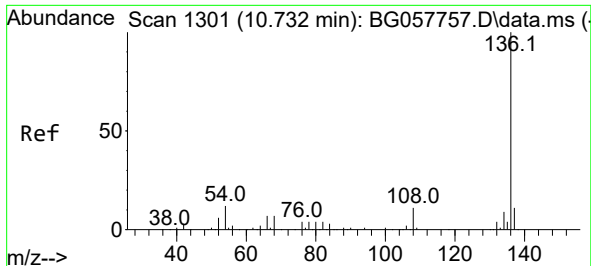
107 100

108 92.7 67.7 107.7

77 34.2 13.3 53.3

79 29.9 7.5 47.5

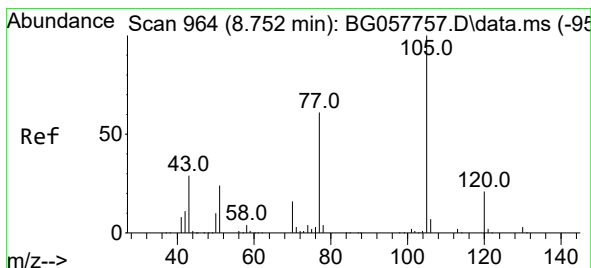
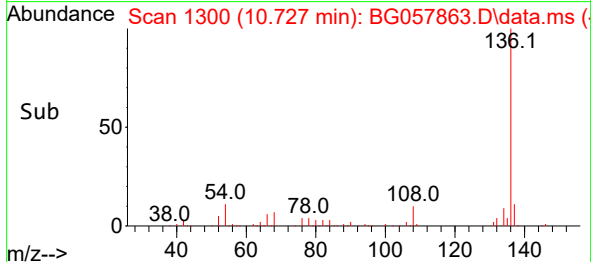
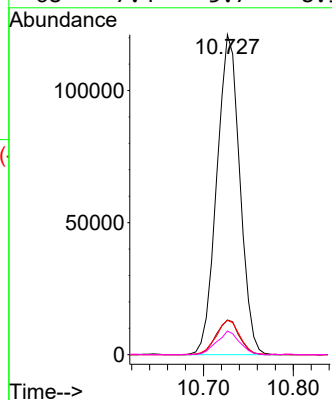
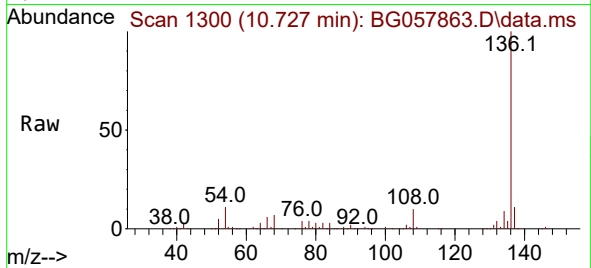




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.727 min Scan# 11
Delta R.T. -0.005 min
Lab File: BG057863.D
Acq: 24 Jun 2023 5:46

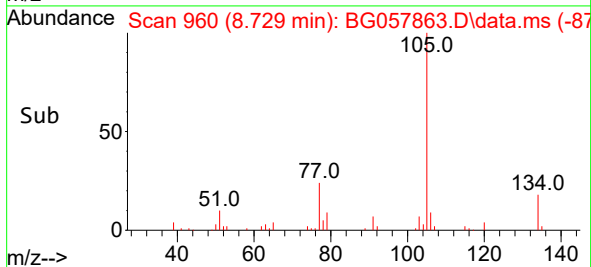
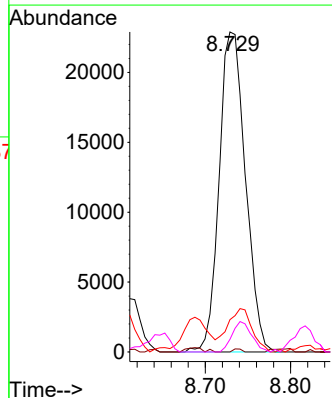
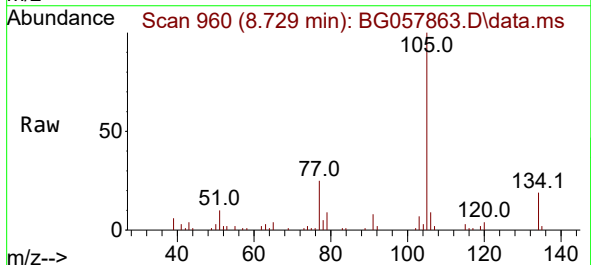
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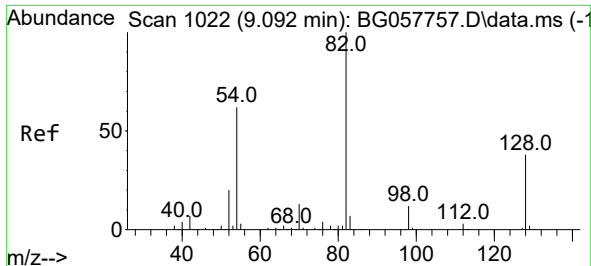
Tgt Ion:136 Resp: 215573
Ion Ratio Lower Upper
136 100
137 10.9 8.5 12.7
54 10.7 9.5 14.3
68 7.4 5.7 8.5



#22
Acetophenone
Concen: 8.110 ng
RT: 8.729 min Scan# 960
Delta R.T. -0.023 min
Lab File: BG057863.D
Acq: 24 Jun 2023 5:46

Tgt Ion:105 Resp: 49029
Ion Ratio Lower Upper
105 100
71 0.0 2.4 3.6#
51 10.1 25.9 38.9#
120 3.9 16.7 25.1#





#23

Nitrobenzene-d5

Concen: 47.412 ng

RT: 9.082 min Scan# 1020

Delta R.T. -0.011 min

Lab File: BG057863.D

Acq: 24 Jun 2023 5:46

Instrument :

BNA_G

ClientSampleId :

MW-6ADL

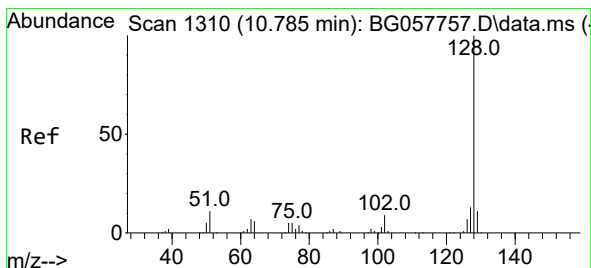
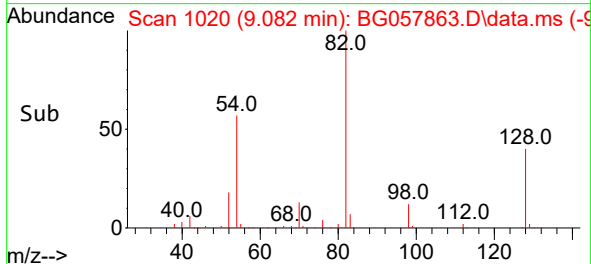
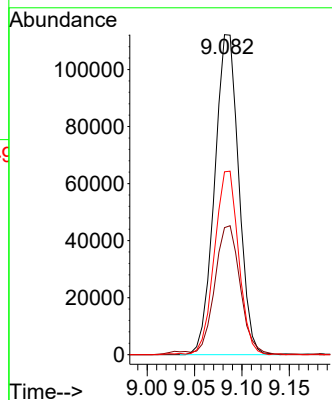
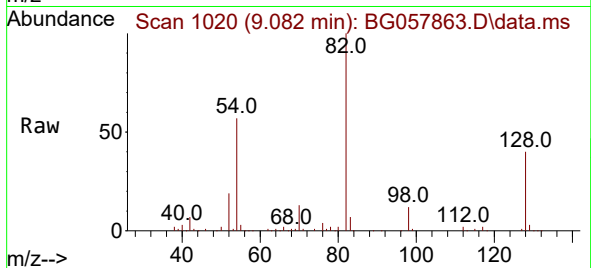
Tgt Ion: 82 Resp: 199143

Ion Ratio Lower Upper

82 100

128 39.7 30.7 46.1

54 57.1 49.6 74.4



#31

Naphthalene

Concen: 70.404 ng

RT: 10.780 min Scan# 1309

Delta R.T. -0.005 min

Lab File: BG057863.D

Acq: 24 Jun 2023 5:46

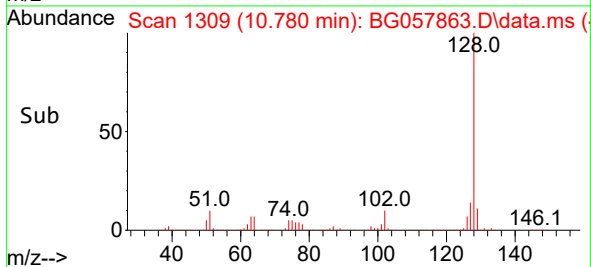
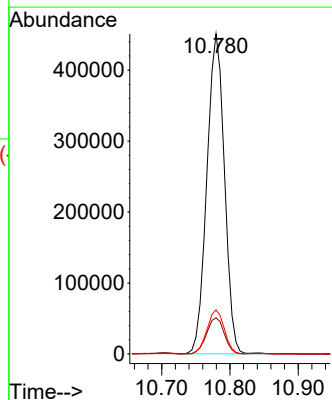
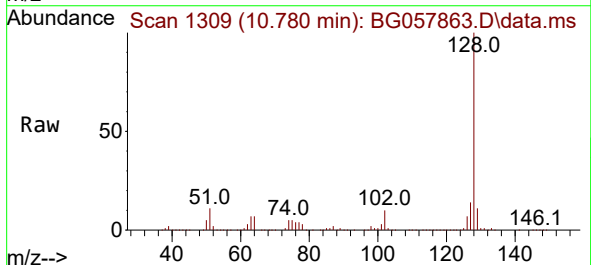
Tgt Ion:128 Resp: 807771

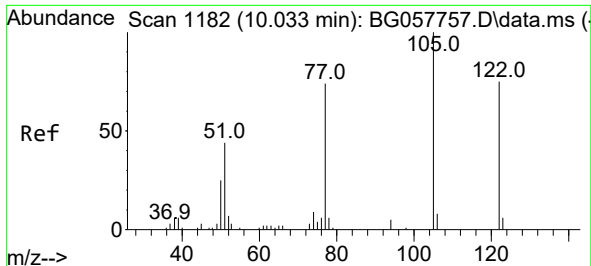
Ion Ratio Lower Upper

128 100

129 11.3 8.5 12.7

127 13.8 10.7 16.1

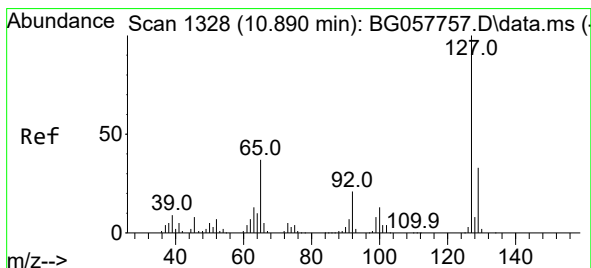
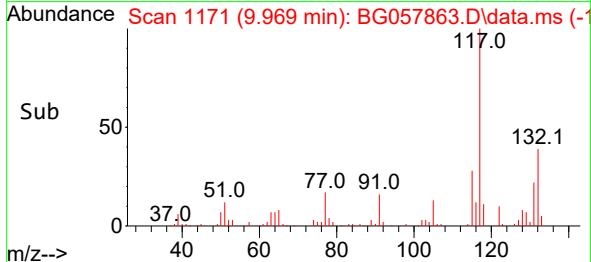
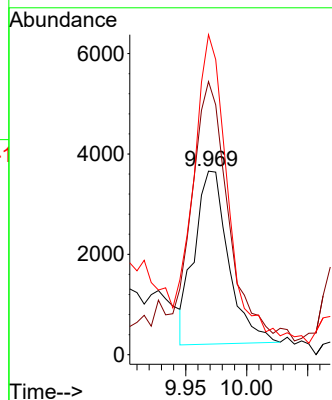
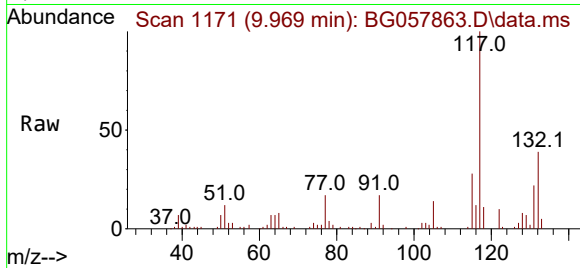




#32
Benzoic acid
Concen: 2.633 ng
RT: 9.969 min Scan# 1182
Delta R.T. -0.064 min
Lab File: BG057863.D
Acq: 24 Jun 2023 5:46

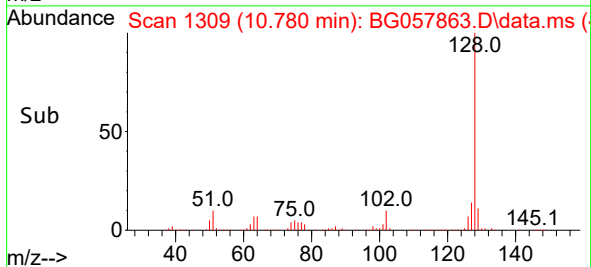
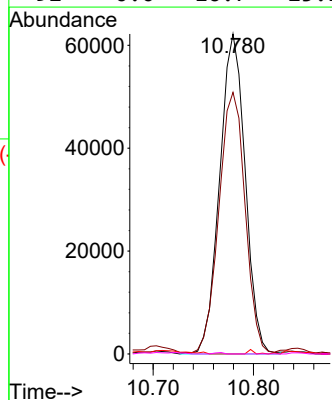
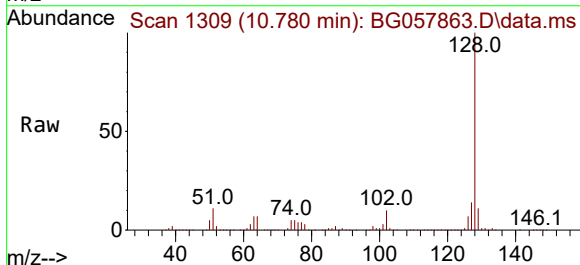
Instrument :
BNA_G
ClientSampleId :
MW-6ADL

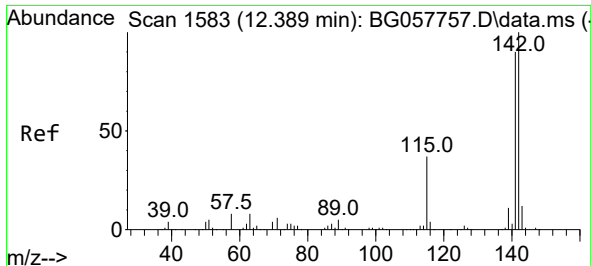
Tgt Ion:122 Resp: 6675
Ion Ratio Lower Upper
122 100
105 148.8 110.1 150.1
77 174.3 78.2 118.2#



#33
4-Chloroaniline
Concen: 20.686 ng
RT: 10.780 min Scan# 1309
Delta R.T. -0.110 min
Lab File: BG057863.D
Acq: 24 Jun 2023 5:46

Tgt Ion:127 Resp: 109968
Ion Ratio Lower Upper
127 100
129 81.8 26.6 40.0#
65 0.0 29.8 44.8#
92 0.0 16.7 25.1#





#37

2-Methylnaphthalene

Concen: 8.474 ng

RT: 12.384 min Scan# 1

Delta R.T. -0.005 min

Lab File: BG057863.D

Acq: 24 Jun 2023 5:46

Instrument :

BNA_G

ClientSampleId :

MW-6ADL

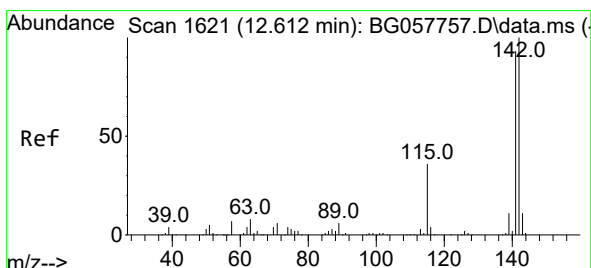
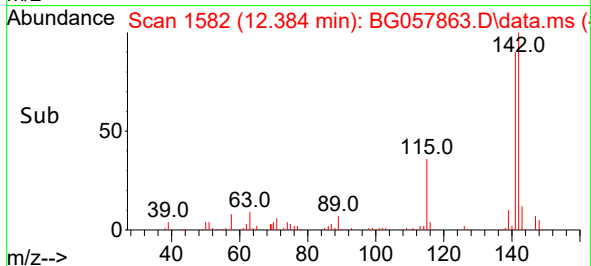
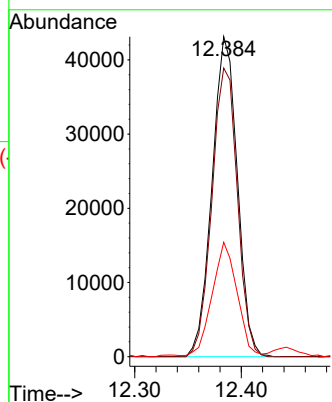
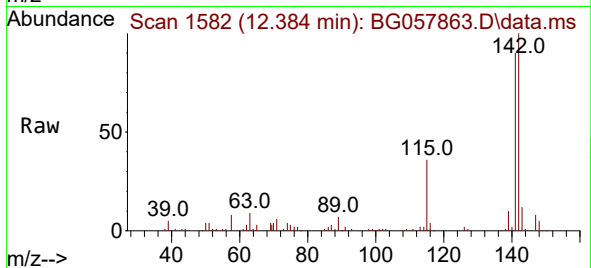
Tgt Ion:142 Resp: 70865

Ion Ratio Lower Upper

142 100

141 90.2 72.1 108.1

115 35.7 29.7 44.5



#38

1-Methylnaphthalene

Concen: 4.370 ng

RT: 12.601 min Scan# 1619

Delta R.T. -0.011 min

Lab File: BG057863.D

Acq: 24 Jun 2023 5:46

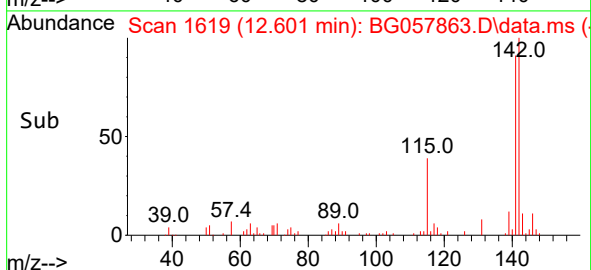
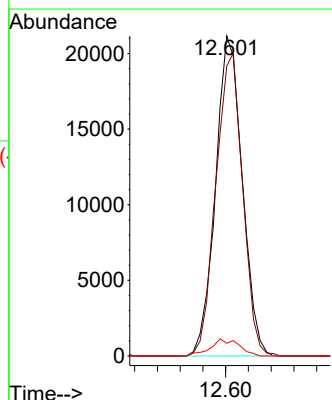
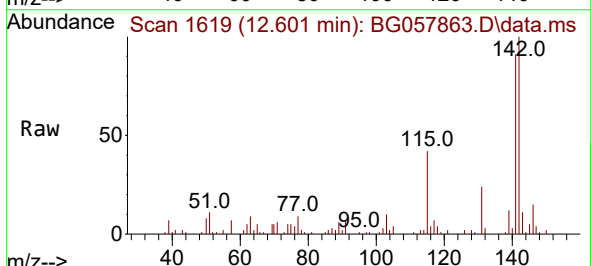
Tgt Ion:142 Resp: 34495

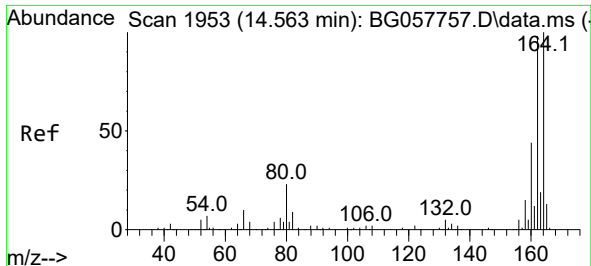
Ion Ratio Lower Upper

142 100

141 90.6 74.2 111.4

116 4.0 3.1 4.7

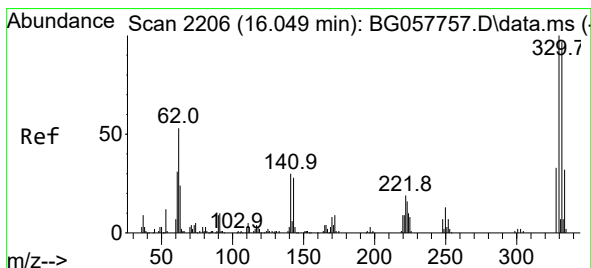
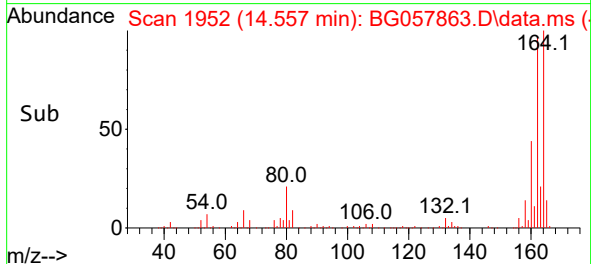
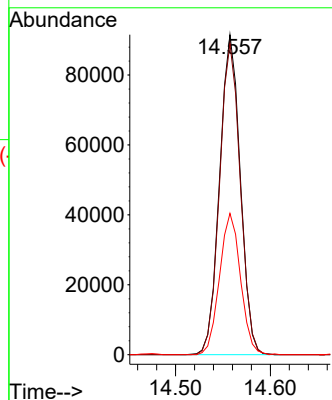
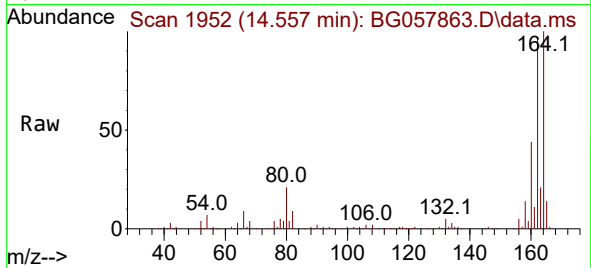




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.557 min Scan# 1952
Delta R.T. -0.005 min
Lab File: BG057863.D
Acq: 24 Jun 2023 5:46

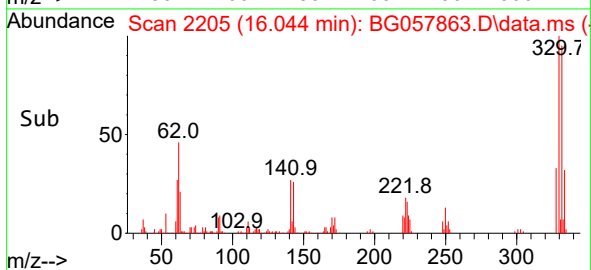
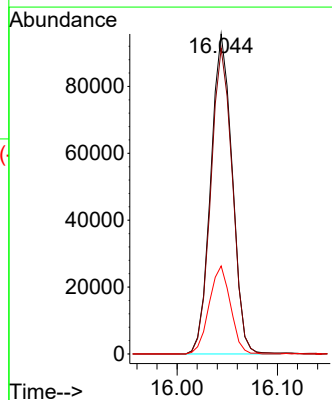
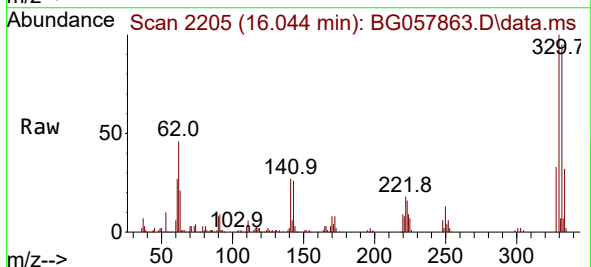
Instrument :
BNA_G
ClientSampleId :
MW-6ADL

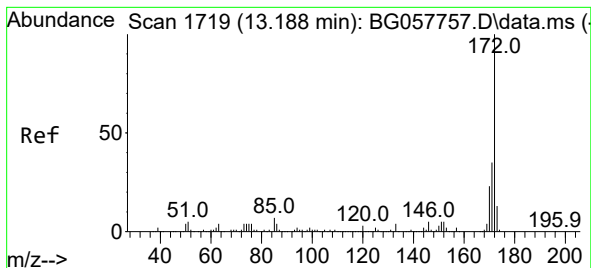
Tgt Ion:164 Resp: 138629
Ion Ratio Lower Upper
164 100
162 97.2 78.3 117.5
160 44.2 35.4 53.0



#42
2,4,6-Tribromophenol
Concen: 73.585 ng
RT: 16.044 min Scan# 2205
Delta R.T. -0.005 min
Lab File: BG057863.D
Acq: 24 Jun 2023 5:46

Tgt Ion:330 Resp: 142099
Ion Ratio Lower Upper
330 100
332 96.0 76.6 115.0
141 27.3 24.7 37.1





#45

2-Fluorobiphenyl

Concen: 48.351 ng

RT: 13.183 min Scan# 1

Delta R.T. -0.005 min

Lab File: BG057863.D

Acq: 24 Jun 2023 5:46

Instrument :

BNA_G

ClientSampleId :

MW-6ADL

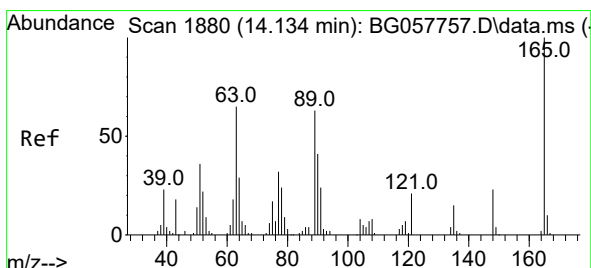
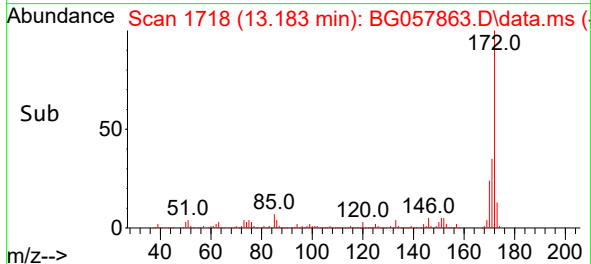
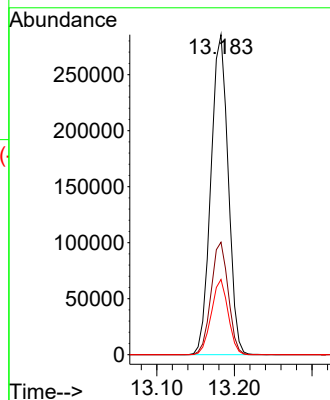
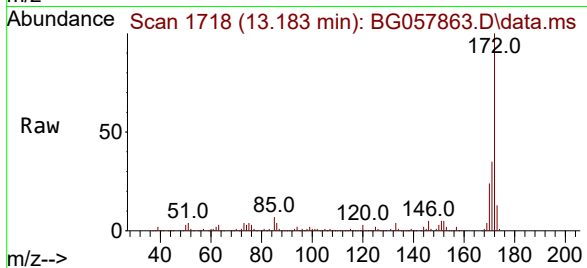
Tgt Ion:172 Resp: 441924

Ion Ratio Lower Upper

172 100

171 35.2 28.1 42.1

170 23.5 18.6 27.8



#51

2,6-Dinitrotoluene

Concen: 9.128 ng

RT: 14.557 min Scan# 1952

Delta R.T. 0.423 min

Lab File: BG057863.D

Acq: 24 Jun 2023 5:46

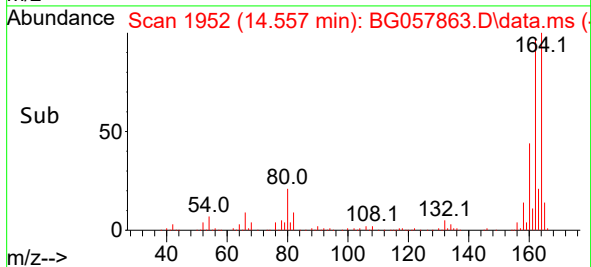
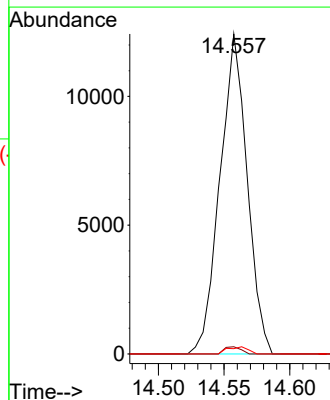
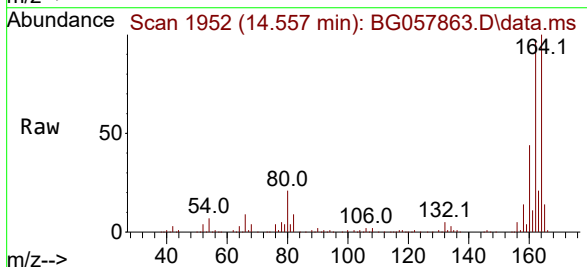
Tgt Ion:165 Resp: 17898

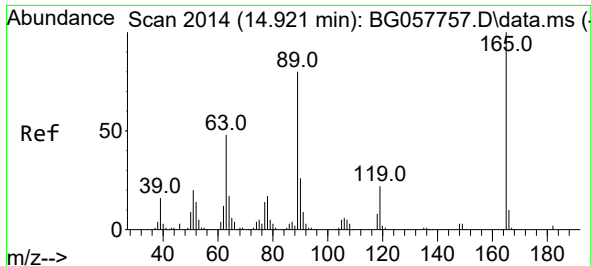
Ion Ratio Lower Upper

165 100

63 2.2 52.8 79.2#

89 1.6 50.7 76.1#





#57

2,4-Dinitrotoluene

Concen: 6.731 ng

RT: 14.557 min Scan# 1952

Delta R.T. -0.364 min

Lab File: BG057863.D

Acq: 24 Jun 2023 5:46

Instrument :

BNA_G

ClientSampleId :

MW-6ADL

Tgt Ion:165 Resp: 17898

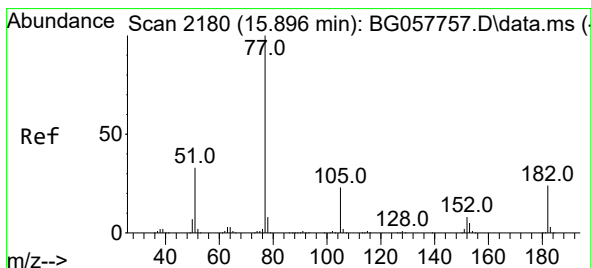
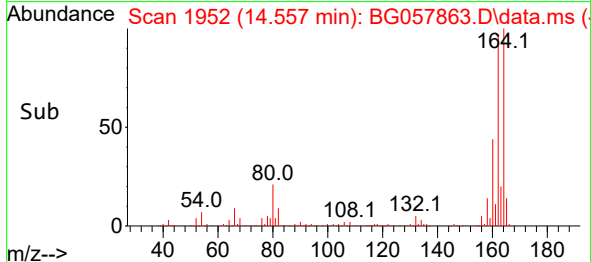
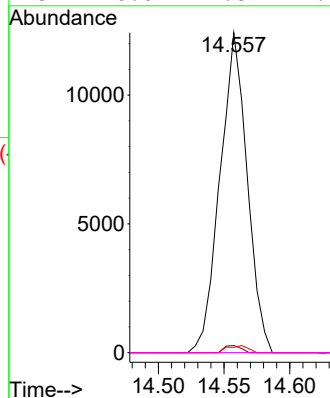
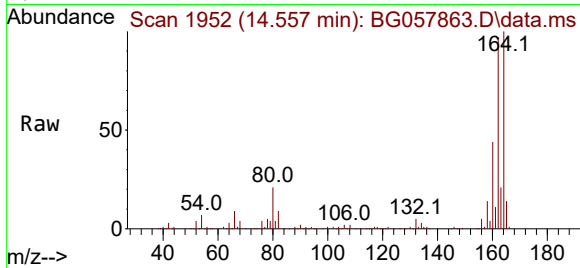
Ion Ratio Lower Upper

165 100

63 2.2 38.6 58.0#

89 1.6 63.7 95.5#

182 0.0 1.8 2.6#



#63

Azobenzene

Concen: 3.901 ng

RT: 15.909 min Scan# 2182

Delta R.T. 0.012 min

Lab File: BG057863.D

Acq: 24 Jun 2023 5:46

Tgt Ion: 77 Resp: 43585

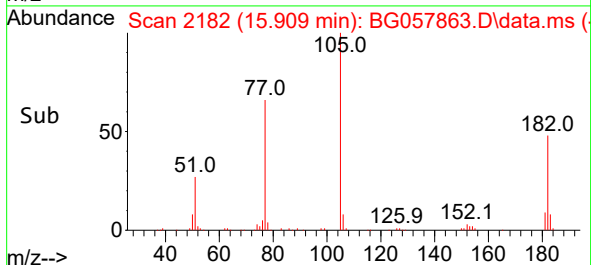
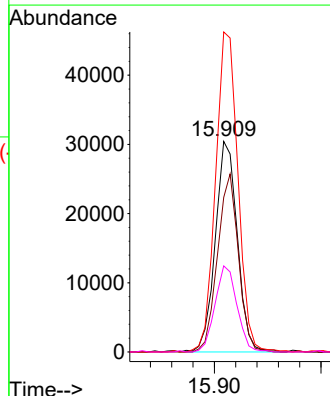
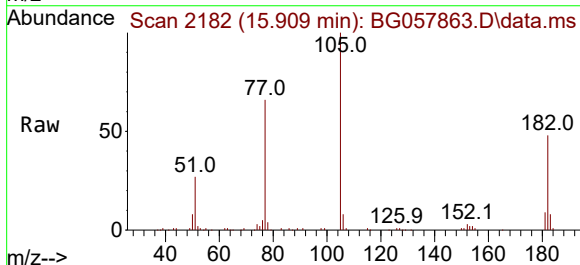
Ion Ratio Lower Upper

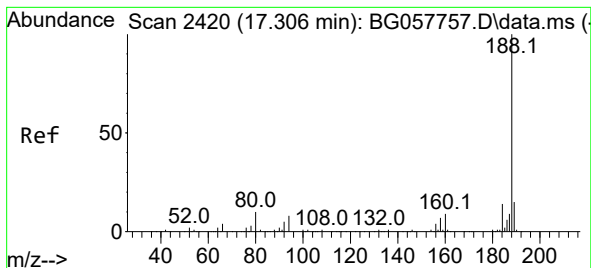
77 100

182 73.4 4.1 44.1#

105 152.0 3.3 43.3#

51 40.9 13.4 53.4





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.301 min Scan# 24

Delta R.T. -0.005 min

Lab File: BG057863.D

Acq: 24 Jun 2023 5:46

Instrument :

BNA_G

ClientSampleId :

MW-6ADL

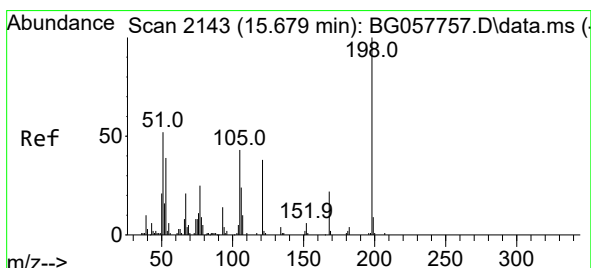
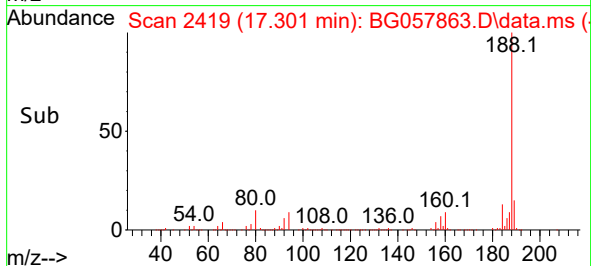
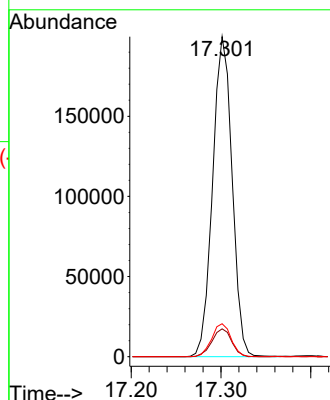
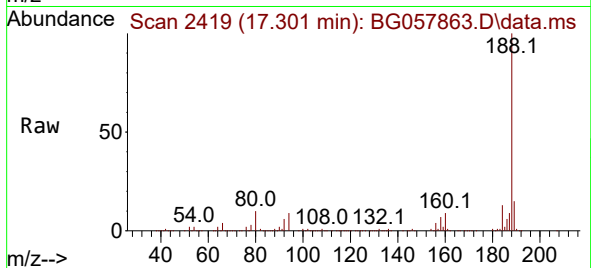
Tgt Ion:188 Resp: 300741

Ion Ratio Lower Upper

188 100

94 8.7 6.6 9.8

80 10.3 7.6 11.4



#65

4,6-Dinitro-2-methylphenol

Concen: 5.399 ng

RT: 16.038 min Scan# 2204

Delta R.T. 0.359 min

Lab File: BG057863.D

Acq: 24 Jun 2023 5:46

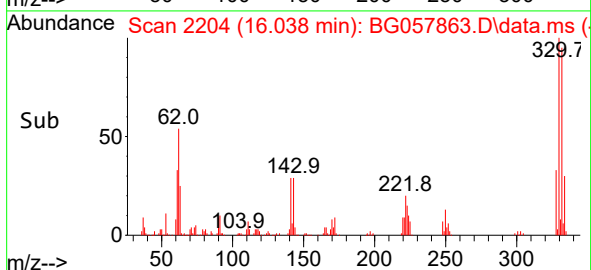
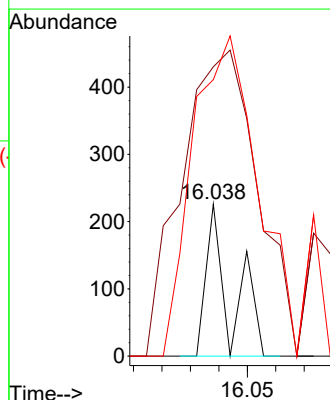
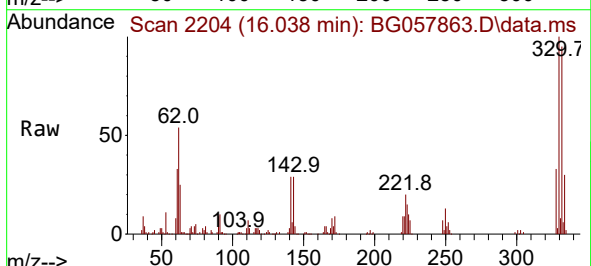
Tgt Ion:198 Resp: 135

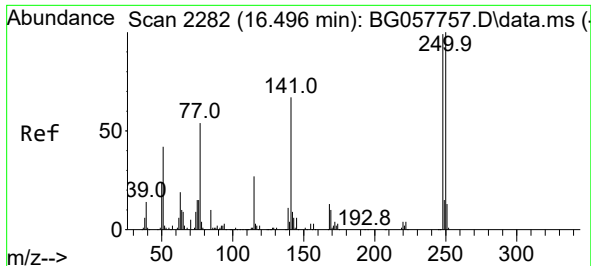
Ion Ratio Lower Upper

198 100

51 190.3 36.6 76.6#

105 181.9 24.3 64.3#

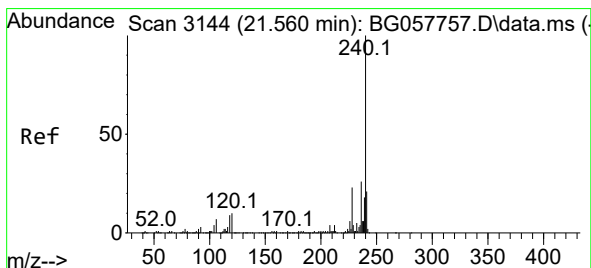
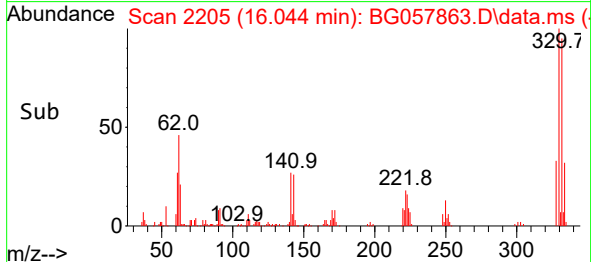
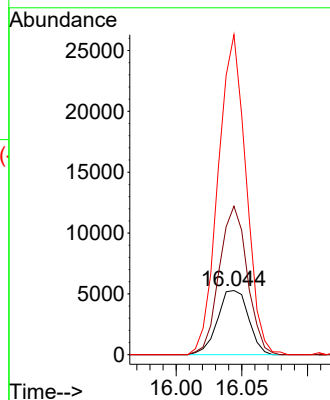
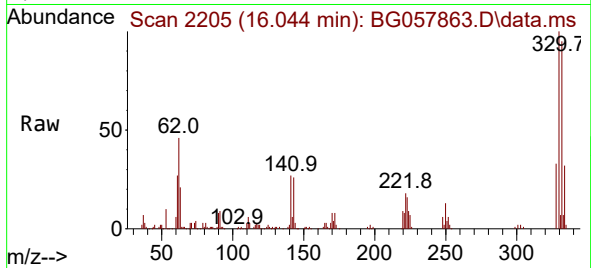




#67
4-Bromophenyl-phenylether
Concen: 2.715 ng
RT: 16.044 min Scan# 21
Delta R.T. -0.452 min
Lab File: BG057863.D
Acq: 24 Jun 2023 5:46

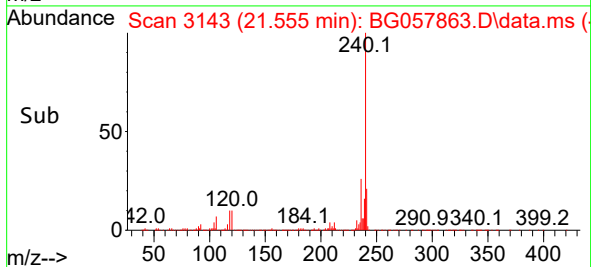
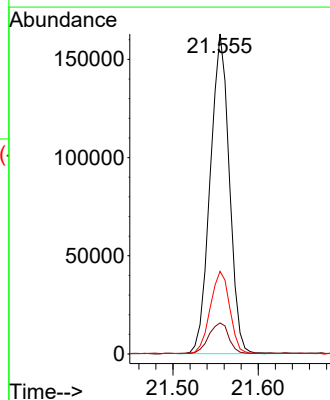
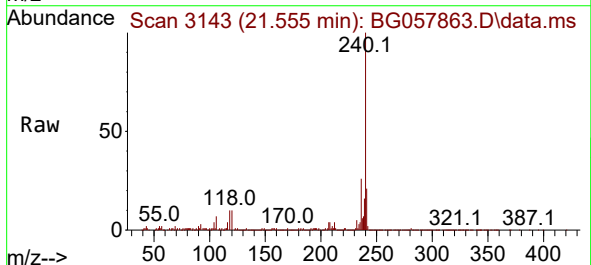
Instrument :
BNA_G
ClientSampleId :
MW-6ADL

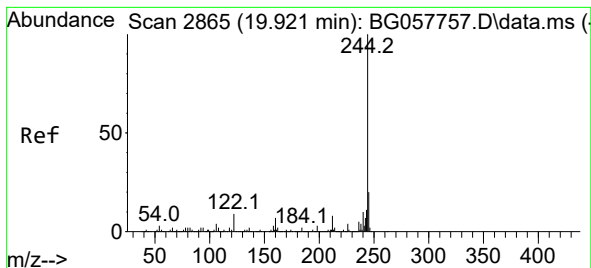
Tgt Ion:248 Resp: 8660
Ion Ratio Lower Upper
248 100
250 231.2 81.1 121.7#
141 498.6 54.6 81.8#



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.555 min Scan# 3143
Delta R.T. -0.005 min
Lab File: BG057863.D
Acq: 24 Jun 2023 5:46

Tgt Ion:240 Resp: 254062
Ion Ratio Lower Upper
240 100
120 9.7 8.1 12.1
236 25.8 20.6 30.8





#79

Terphenyl-d14

Concen: 46.685 ng

RT: 19.916 min Scan# 21

Delta R.T. -0.005 min

Lab File: BG057863.D

Acq: 24 Jun 2023 5:46

Instrument :

BNA_G

ClientSampleId :

MW-6ADL

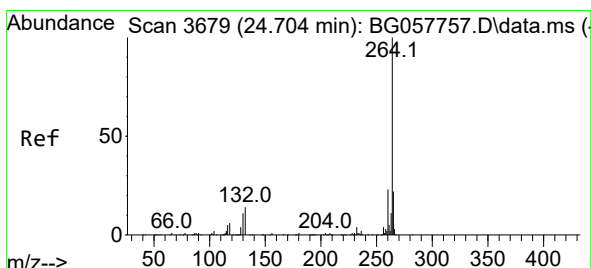
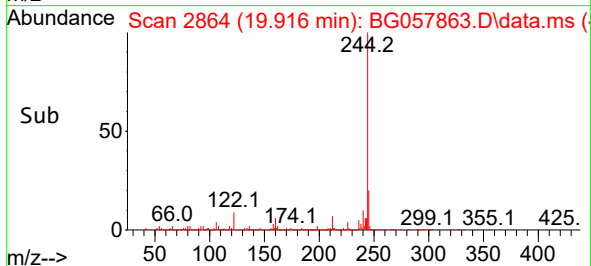
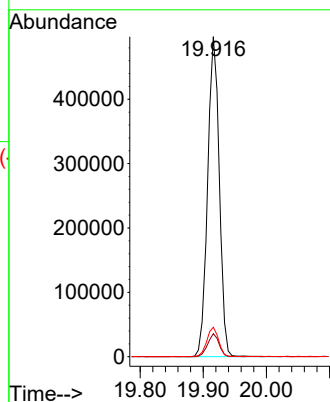
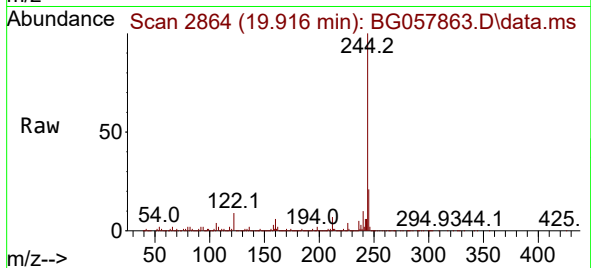
Tgt Ion:244 Resp: 636081

Ion Ratio Lower Upper

244 100

212 7.2 6.1 9.1

122 9.2 7.6 11.4



#86

Perylene-d12

Concen: 20.000 ng

RT: 24.710 min Scan# 3680

Delta R.T. 0.007 min

Lab File: BG057863.D

Acq: 24 Jun 2023 5:46

Tgt Ion:264 Resp: 311592

Ion Ratio Lower Upper

264 100

260 22.5 18.5 27.7

265 21.3 17.4 26.2

