

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG062723\
 Data File : BG057878.D
 Acq On : 27 Jun 2023 22:46
 Operator : CG/JU
 Sample : 03339-04
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 MW-11

Quant Time: Jun 28 02:40:27 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG062723.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jun 28 01:12:33 2023
 Response via : Initial Calibration

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

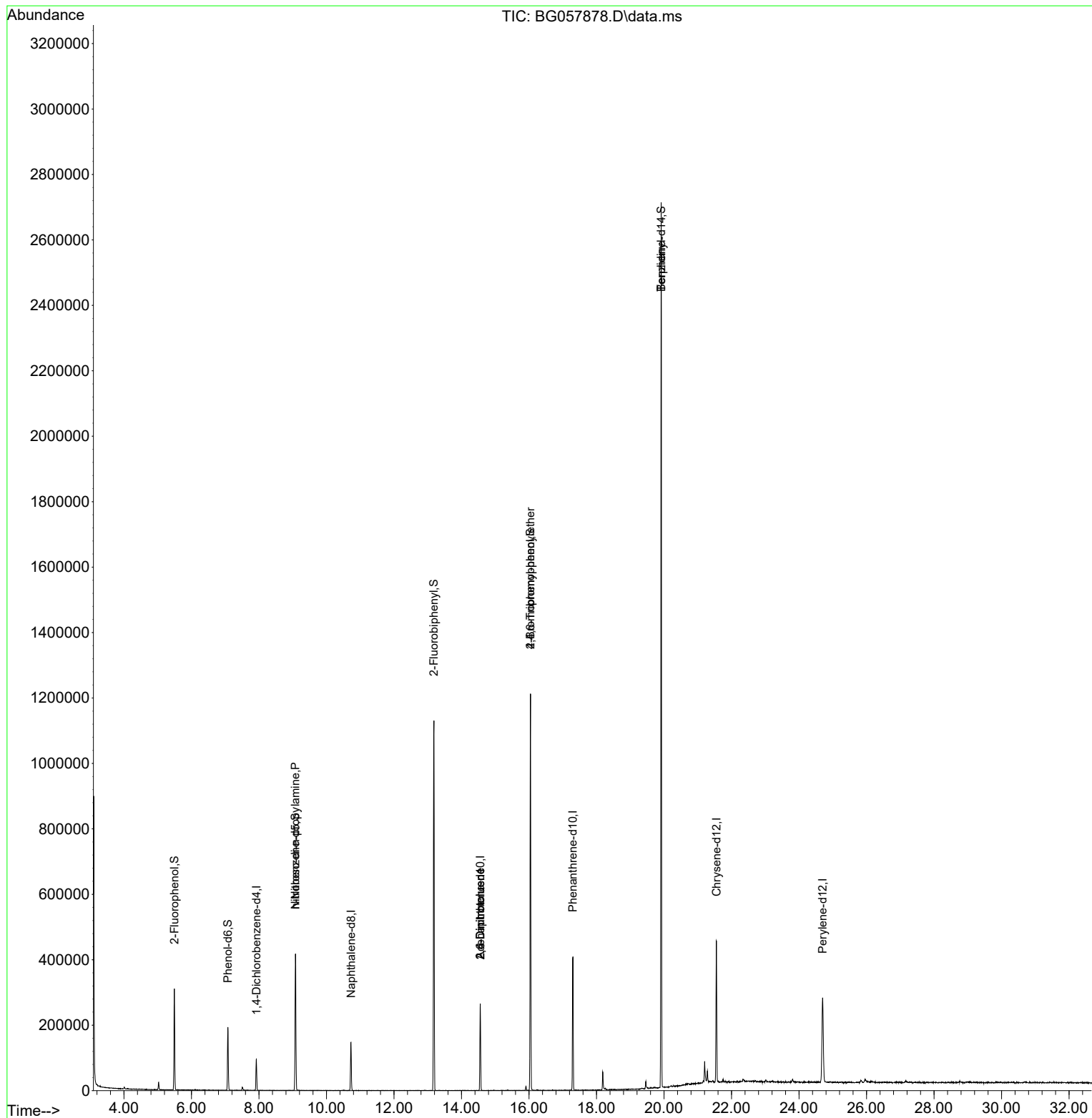
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.924	152	27294	20.000	ng	0.00
21) Naphthalene-d8	10.726	136	122173	20.000	ng	0.00
39) Acenaphthene-d10	14.557	164	96063	20.000	ng	0.00
64) Phenanthrene-d10	17.301	188	271617	20.000	ng	0.00
76) Chrysene-d12	21.555	240	243174	20.000	ng	0.00
86) Perylene-d12	24.698	264	288980	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.491	112	127571	71.512	ng	0.00
7) Phenol-d6	7.078	99	116690	43.743	ng	0.00
23) Nitrobenzene-d5	9.081	82	255729	102.582	ng	0.00
42) 2,4,6-Tribromophenol	16.044	330	254585	157.787	ng	0.00
45) 2-Fluorobiphenyl	13.182	172	616288	97.903	ng	0.00
79) Terphenyl-d14	19.915	244	1384073	103.765	ng	0.00
Target Compounds						
					Qvalue	
9) Benzaldehyde	7.078	77	113	Below Cal	#	1
19) n-Nitroso-di-n-propyla...	9.081	70	31192	17.474	ng	# 81
51) 2,6-Dinitrotoluene	14.557	165	12425	7.860	ng	# 22
57) 2,4-Dinitrotoluene	14.557	165	12425	5.417	ng	# 20
67) 4-Bromophenyl-phenylether	16.044	248	16385	5.715	ng	# 1
77) Benzidine	19.915	184	18319	3.211	ng	# 93

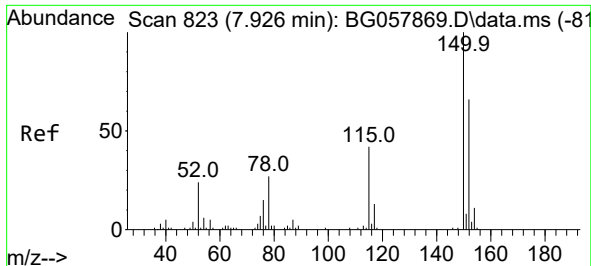
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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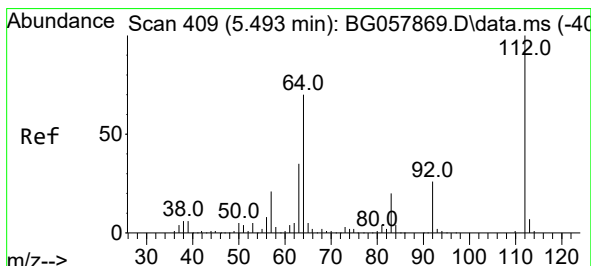
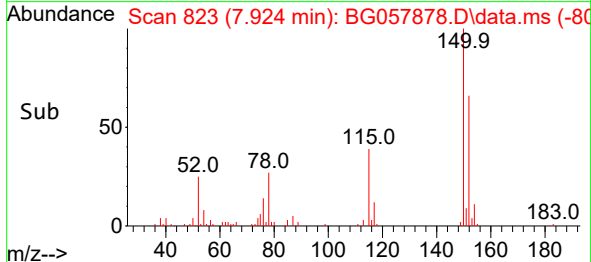
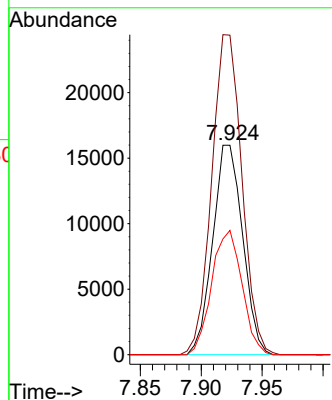
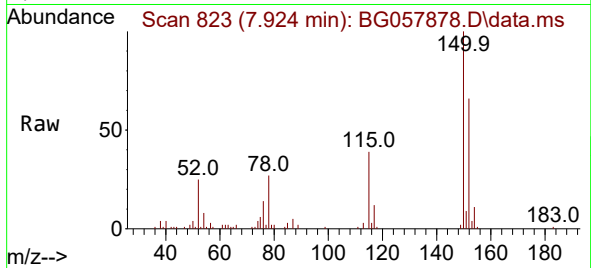




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.924 min Scan# 81
Delta R.T. -0.002 min
Lab File: BG057878.D
Acq: 27 Jun 2023 22:46

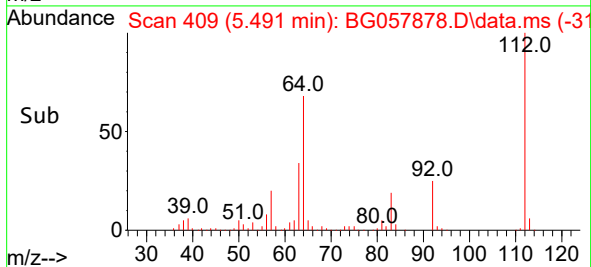
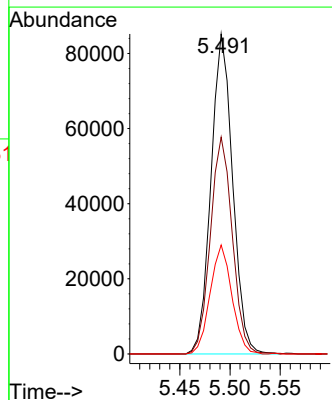
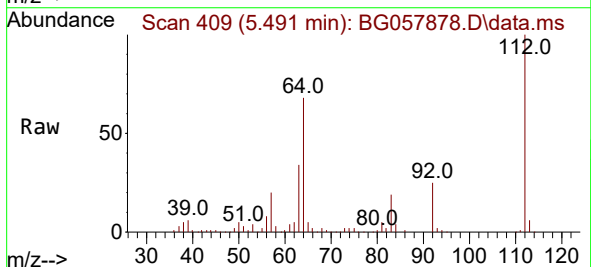
Instrument :
BNA_G
ClientSampleId :
MW-11

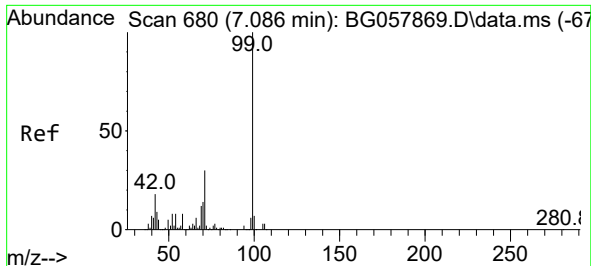
Tgt Ion:152 Resp: 27294
Ion Ratio Lower Upper
152 100
150 152.5 122.0 183.0
115 59.4 50.7 76.1



#5
2-Fluorophenol
Concen: 71.512 ng
RT: 5.491 min Scan# 409
Delta R.T. -0.002 min
Lab File: BG057878.D
Acq: 27 Jun 2023 22:46

Tgt Ion:112 Resp: 127571
Ion Ratio Lower Upper
112 100
64 67.7 55.8 83.6
63 34.0 27.9 41.9

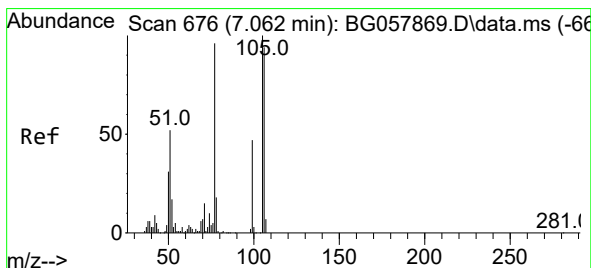
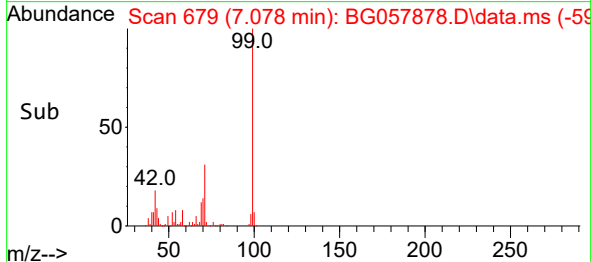
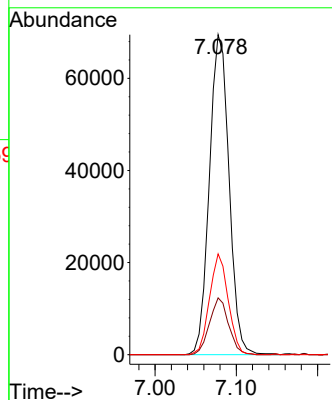
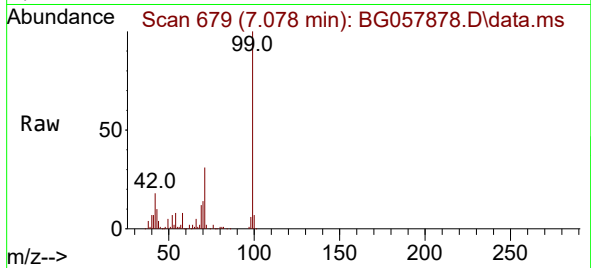




#7
Phenol-d6
Concen: 43.743 ng
RT: 7.078 min Scan# 61
Delta R.T. -0.008 min
Lab File: BG057878.D
Acq: 27 Jun 2023 22:46

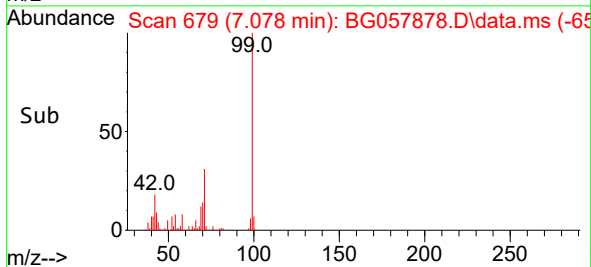
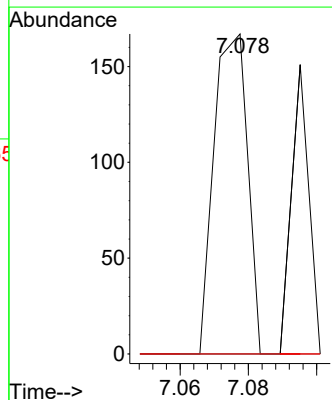
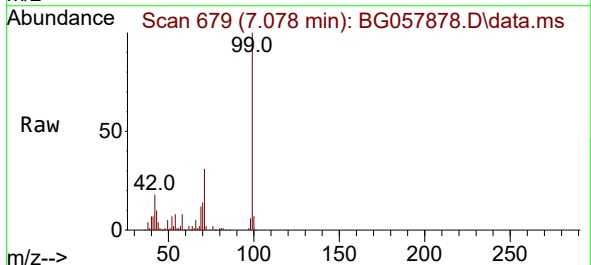
Instrument :
BNA_G
ClientSampleId :
MW-11

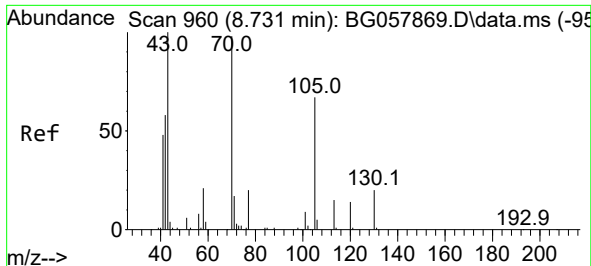
Tgt Ion: 99 Resp: 116690
Ion Ratio Lower Upper
99 100
42 17.7 14.2 21.4
71 31.5 23.9 35.9



#9
Benzaldehyde
Concen: Below Cal
RT: 7.078 min Scan# 679
Delta R.T. 0.016 min
Lab File: BG057878.D
Acq: 27 Jun 2023 22:46

Tgt Ion: 77 Resp: 113
Ion Ratio Lower Upper
77 100
105 0.0 83.7 123.7#
106 0.0 77.4 117.4#

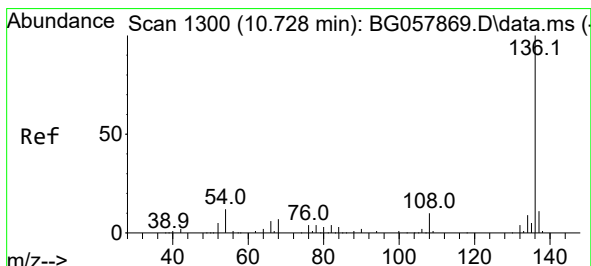
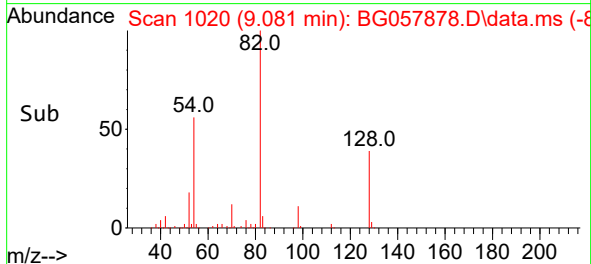
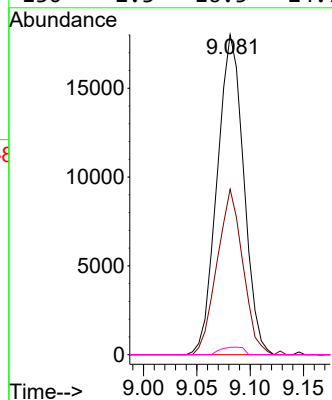
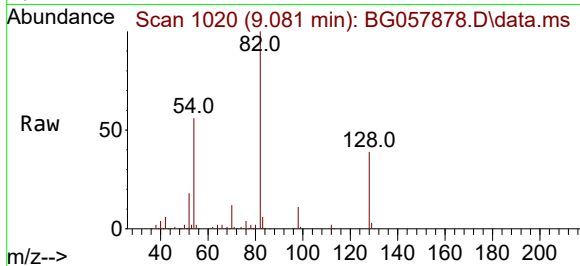




#19
n-Nitroso-di-n-propylamine
Concen: 17.474 ng
RT: 9.081 min Scan# 1020
Delta R.T. 0.350 min
Lab File: BG057878.D
Acq: 27 Jun 2023 22:46

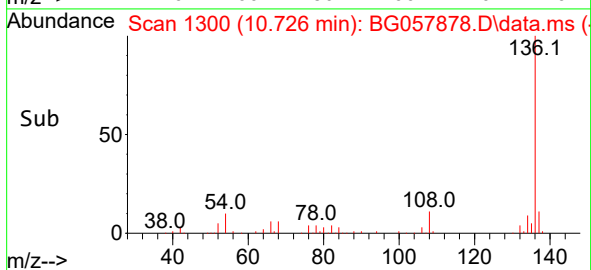
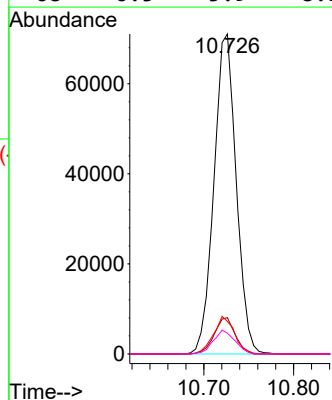
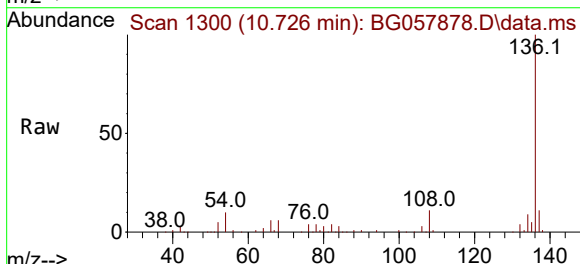
Instrument :
BNA_G
ClientSampleId :
MW-11

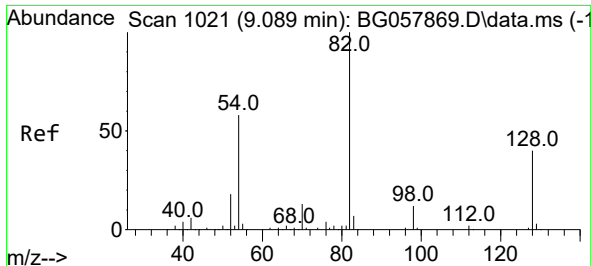
Tgt Ion: 70 Resp: 31192
Ion Ratio Lower Upper
70 100
42 51.7 48.4 72.6
101 0.0 7.2 10.8#
130 2.3 16.5 24.7#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.726 min Scan# 1300
Delta R.T. -0.002 min
Lab File: BG057878.D
Acq: 27 Jun 2023 22:46

Tgt Ion:136 Resp: 122173
Ion Ratio Lower Upper
136 100
137 11.4 8.6 12.8
54 10.2 9.3 13.9
68 6.5 5.9 8.9





#23

Nitrobenzene-d5

Concen: 102.582 ng

RT: 9.081 min Scan# 1021

Delta R.T. -0.008 min

Lab File: BG057878.D

Acq: 27 Jun 2023 22:46

Instrument :

BNA_G

ClientSampleId :

MW-11

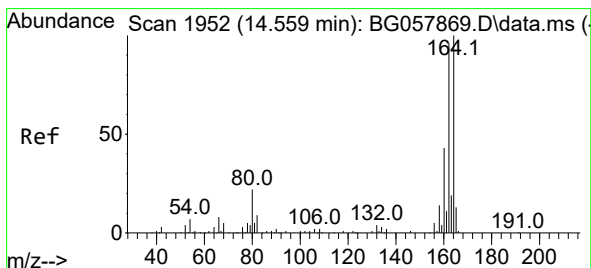
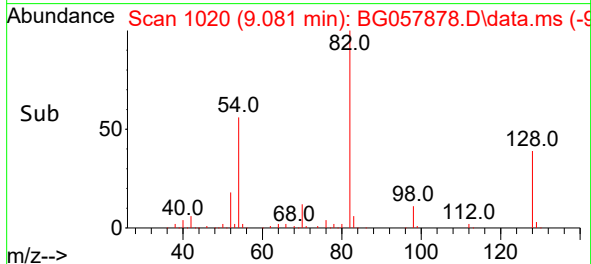
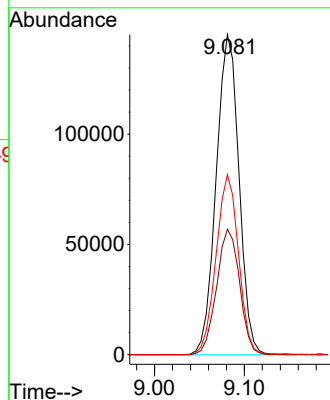
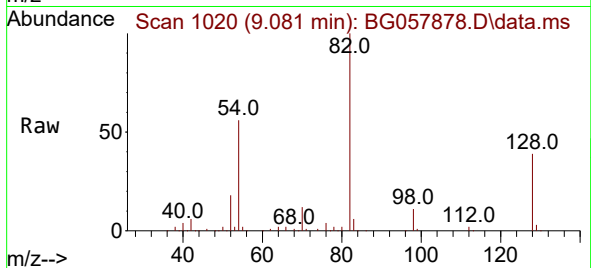
Tgt Ion: 82 Resp: 255729

Ion Ratio Lower Upper

82 100

128 39.2 32.2 48.4

54 56.2 46.1 69.1



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.557 min Scan# 1952

Delta R.T. -0.002 min

Lab File: BG057878.D

Acq: 27 Jun 2023 22:46

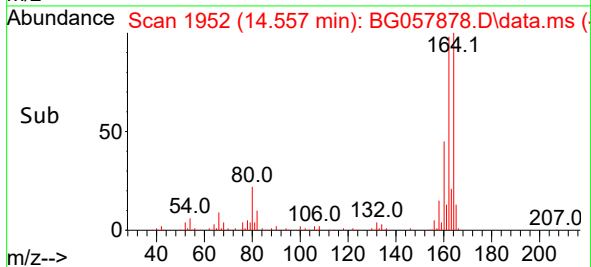
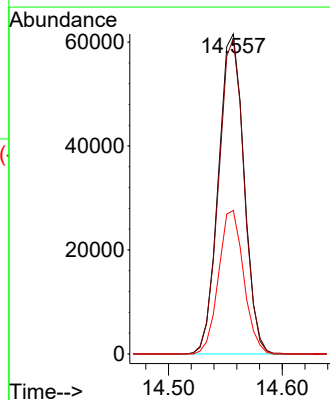
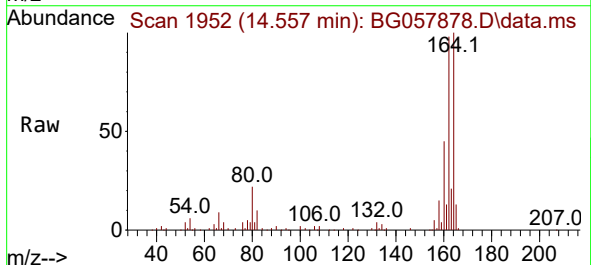
Tgt Ion:164 Resp: 96063

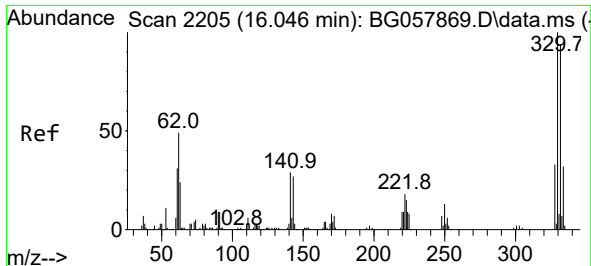
Ion Ratio Lower Upper

164 100

162 98.4 76.4 114.6

160 44.9 34.2 51.2

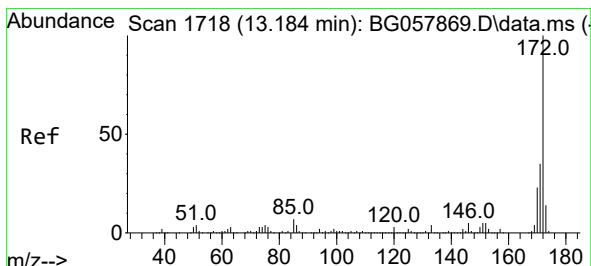
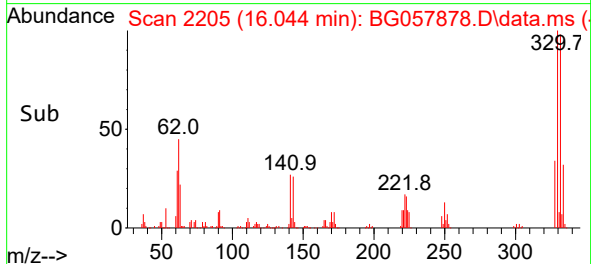
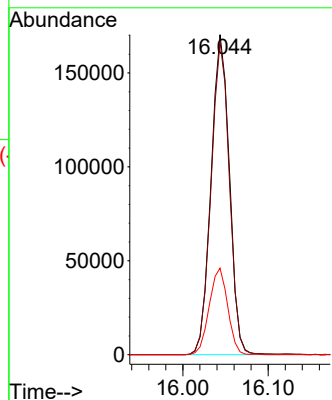
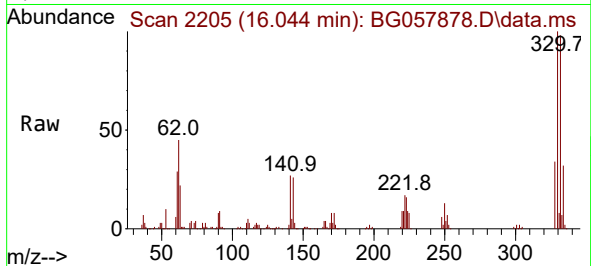




#42
2,4,6-Tribromophenol
Concen: 157.787 ng
RT: 16.044 min Scan# 21
Delta R.T. -0.002 min
Lab File: BG057878.D
Acq: 27 Jun 2023 22:46

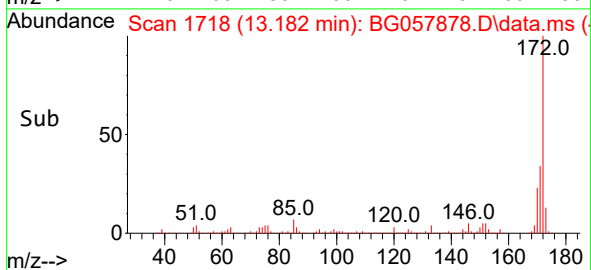
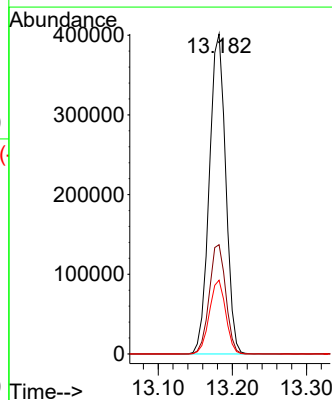
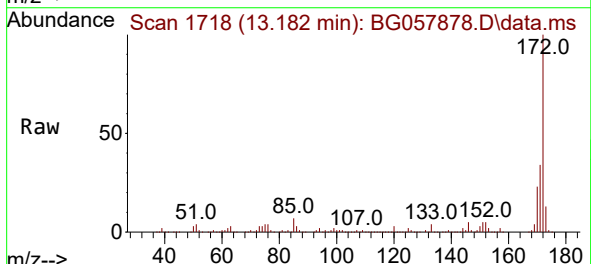
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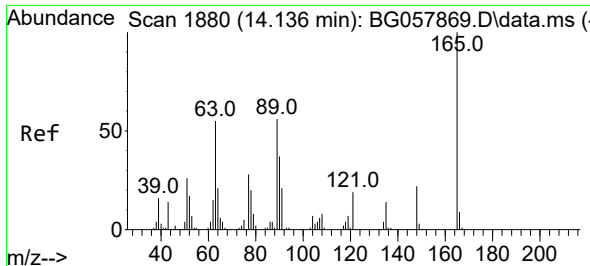
Tgt Ion:330 Resp: 254585
Ion Ratio Lower Upper
330 100
332 97.3 77.1 115.7
141 27.2 22.2 33.4



#45
2-Fluorobiphenyl
Concen: 97.903 ng
RT: 13.182 min Scan# 1718
Delta R.T. -0.002 min
Lab File: BG057878.D
Acq: 27 Jun 2023 22:46

Tgt Ion:172 Resp: 616288
Ion Ratio Lower Upper
172 100
171 34.2 27.8 41.8
170 23.1 18.6 27.8

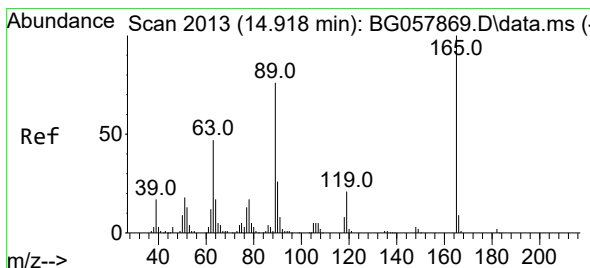
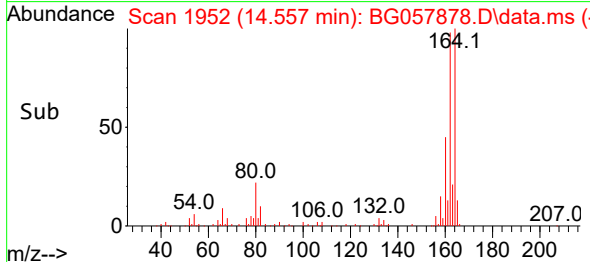
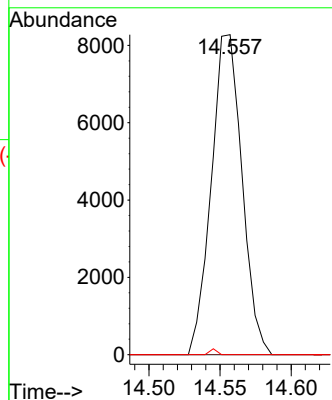
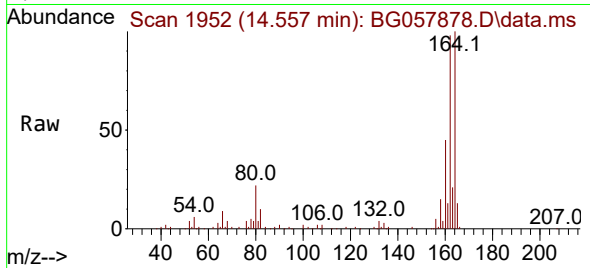




#51
2,6-Dinitrotoluene
Concen: 7.860 ng
RT: 14.557 min Scan# 1952
Delta R.T. 0.421 min
Lab File: BG057878.D
Acq: 27 Jun 2023 22:46

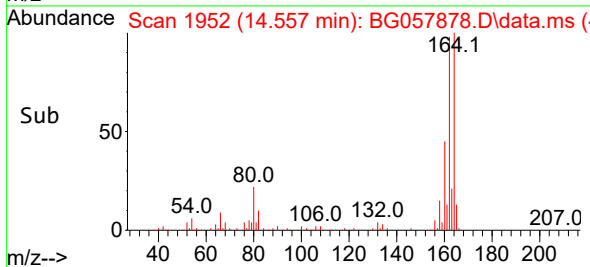
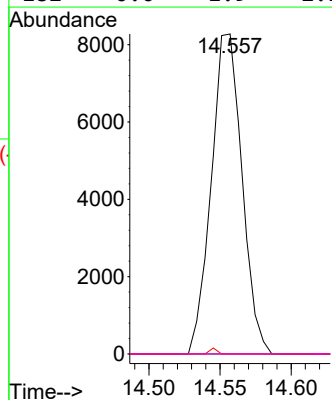
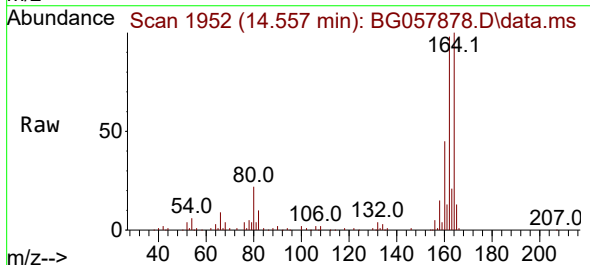
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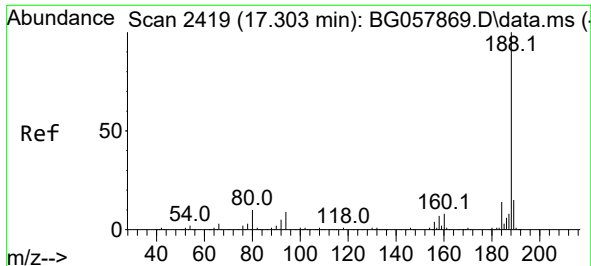
Tgt Ion:165 Resp: 12425
Ion Ratio Lower Upper
165 100
63 0.0 46.4 69.6#
89 0.0 45.0 67.6#



#57
2,4-Dinitrotoluene
Concen: 5.417 ng
RT: 14.557 min Scan# 1952
Delta R.T. -0.360 min
Lab File: BG057878.D
Acq: 27 Jun 2023 22:46

Tgt Ion:165 Resp: 12425
Ion Ratio Lower Upper
165 100
63 0.0 37.6 56.4#
89 0.0 61.0 91.4#
182 0.0 1.9 2.9#

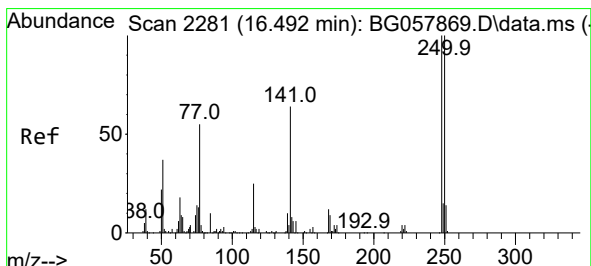
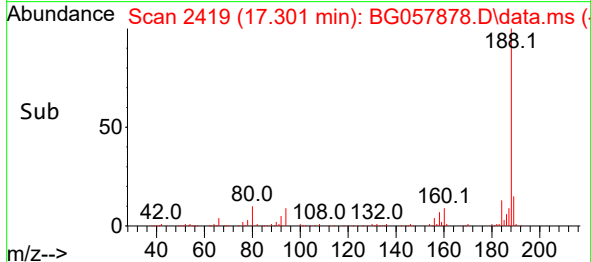
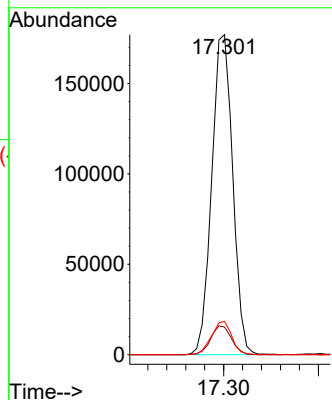
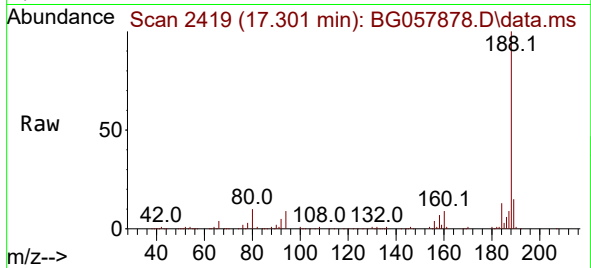




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.301 min Scan# 2419
Delta R.T. -0.002 min
Lab File: BG057878.D
Acq: 27 Jun 2023 22:46

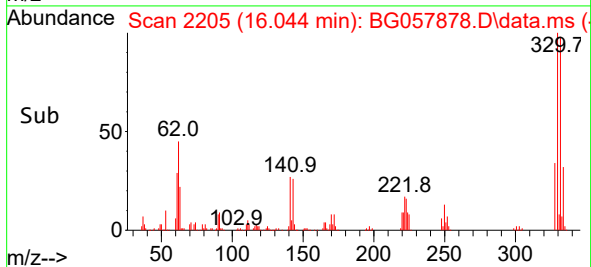
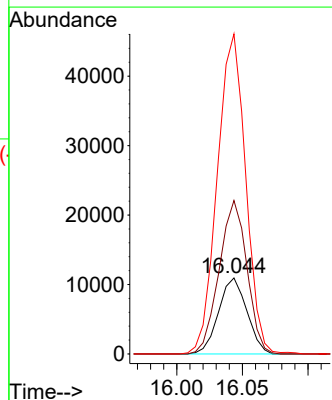
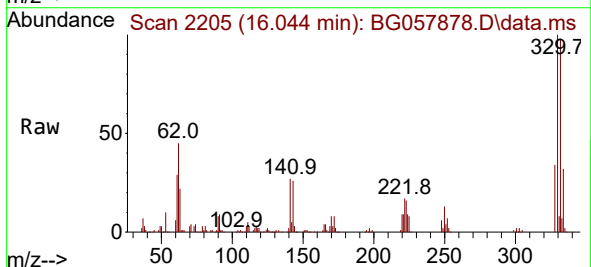
Instrument :
BNA_G
ClientSampleId :
MW-11

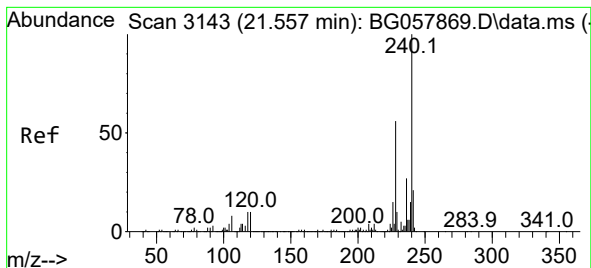
Tgt Ion:188 Resp: 271617
Ion Ratio Lower Upper
188 100
94 8.7 7.2 10.8
80 10.4 8.4 12.6



#67
4-Bromophenyl-phenylether
Concen: 5.715 ng
RT: 16.044 min Scan# 2205
Delta R.T. -0.449 min
Lab File: BG057878.D
Acq: 27 Jun 2023 22:46

Tgt Ion:248 Resp: 16385
Ion Ratio Lower Upper
248 100
250 201.8 79.7 119.5#
141 420.8 50.8 76.2#





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.555 min Scan# 31

Delta R.T. -0.002 min

Lab File: BG057878.D

Acq: 27 Jun 2023 22:46

Instrument :

BNA_G

ClientSampleId :

MW-11

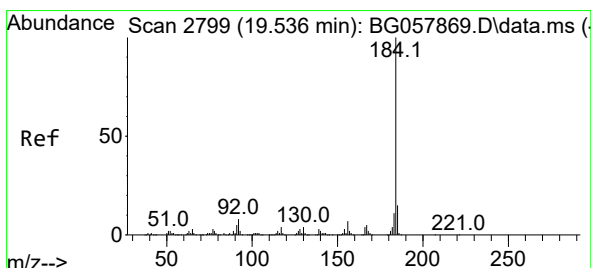
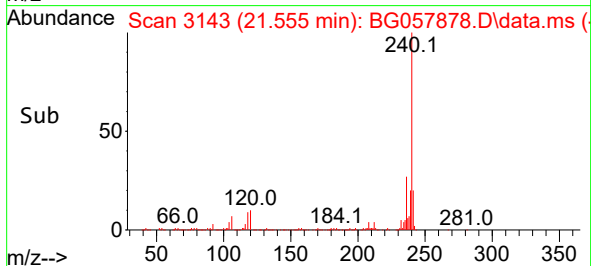
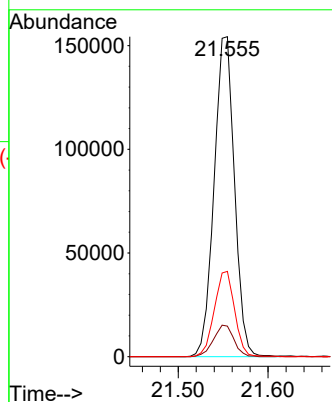
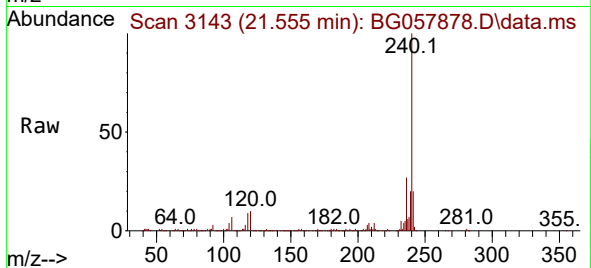
Tgt Ion:240 Resp: 243174

Ion Ratio Lower Upper

240 100

120 9.6 8.1 12.1

236 26.7 21.9 32.9



#77

Benzidine

Concen: 3.211 ng

RT: 19.915 min Scan# 2864

Delta R.T. 0.379 min

Lab File: BG057878.D

Acq: 27 Jun 2023 22:46

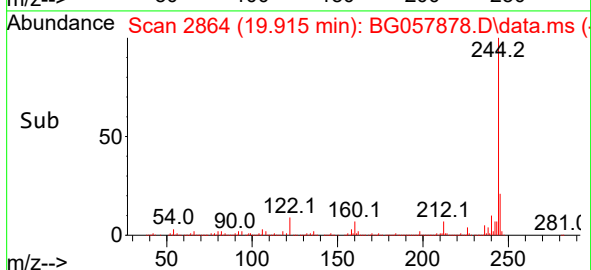
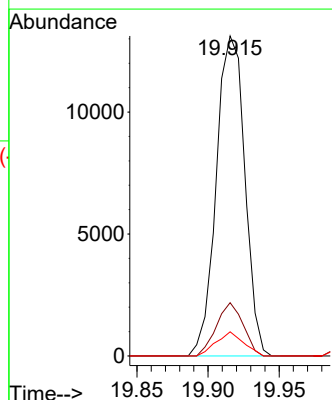
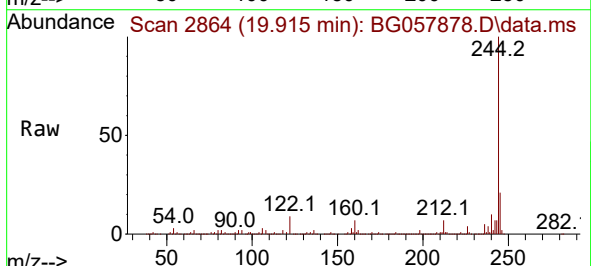
Tgt Ion:184 Resp: 18319

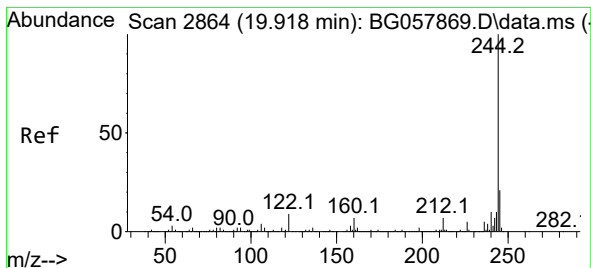
Ion Ratio Lower Upper

184 100

185 16.7 11.7 17.5

183 7.6 9.0 13.4#





#79

Terphenyl-d14

Concen: 103.765 ng

RT: 19.915 min Scan# 21

Delta R.T. -0.002 min

Lab File: BG057878.D

Acq: 27 Jun 2023 22:46

Instrument :

BNA_G

ClientSampleId :

MW-11

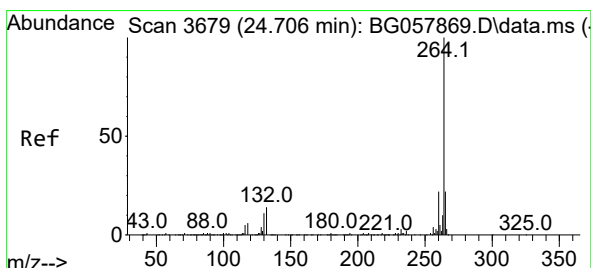
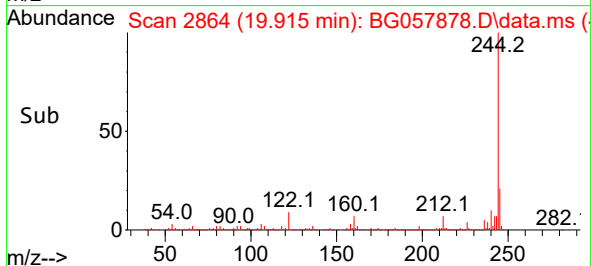
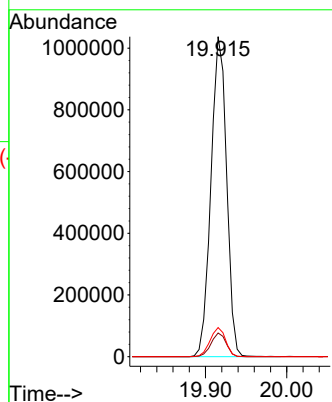
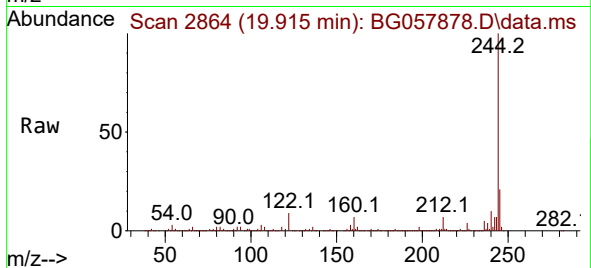
Tgt Ion:244 Resp: 1384073

Ion Ratio Lower Upper

244 100

212 7.4 5.9 8.9

122 9.1 7.4 11.0



#86

Perylene-d12

Concen: 20.000 ng

RT: 24.698 min Scan# 3678

Delta R.T. -0.008 min

Lab File: BG057878.D

Acq: 27 Jun 2023 22:46

Tgt Ion:264 Resp: 288980

Ion Ratio Lower Upper

264 100

260 23.3 17.8 26.8

265 21.2 17.3 25.9

