

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG062323\
 Data File : BG057838.D
 Acq On : 23 Jun 2023 12:00
 Operator : CG/JU
 Sample : 03291-01
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 MW-1

Quant Time: Jun 23 12:56:51 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)

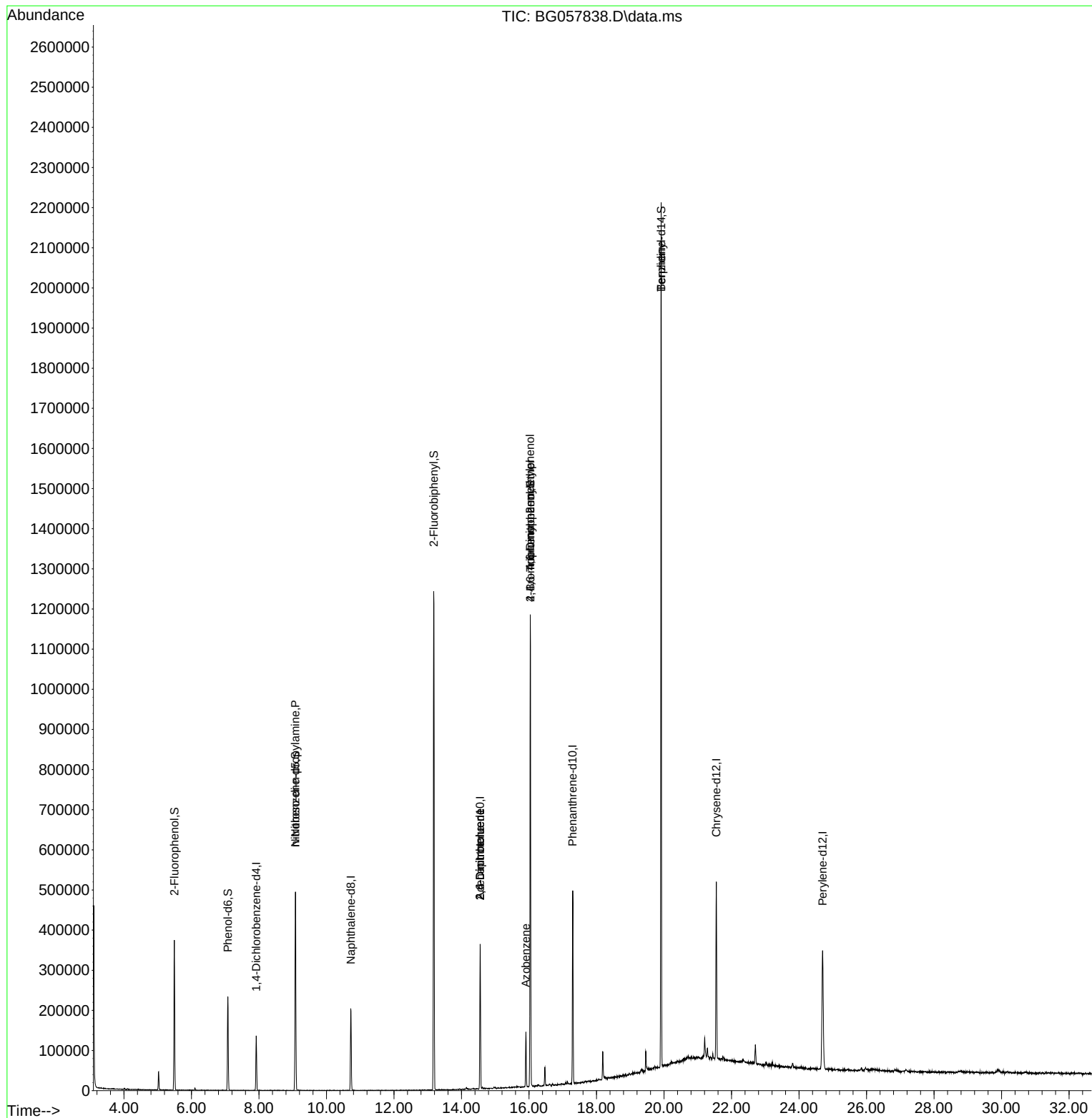
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.918	152	37362	20.000	ng	-0.01
21) Naphthalene-d8	10.720	136	171026	20.000	ng	-0.01
39) Acenaphthene-d10	14.551	164	127036	20.000	ng	-0.01
64) Phenanthrene-d10	17.295	188	304634	20.000	ng	-0.01
76) Chrysene-d12	21.549	240	259617	20.000	ng	-0.01
86) Perylene-d12	24.698	264	321524	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.491	112	154401	63.720	ng	0.00
7) Phenol-d6	7.078	99	139145	37.634	ng	-0.01
23) Nitrobenzene-d5	9.081	82	294732	88.447	ng	-0.01
42) 2,4,6-Tribromophenol	16.044	330	246203	139.129	ng	0.00
45) 2-Fluorobiphenyl	13.176	172	684483	81.724	ng	-0.01
79) Terphenyl-d14	19.915	244	1122068	80.591	ng	0.00
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	9.081	70	37312	14.475	ng	# 78
51) 2,6-Dinitrotoluene	14.551	165	16693	9.291	ng	# 19
57) 2,4-Dinitrotoluene	14.551	165	16693	6.851	ng	# 19
63) Azobenzene	15.908	77	37725	3.684	ng	# 1
65) 4,6-Dinitro-2-methylph...	16.038	198	601	5.694	ng	# 1
67) 4-Bromophenyl-phenylether	16.044	248	15543	4.811	ng	# 1
77) Benizidine	19.915	184	15632	2.569	ng	# 94

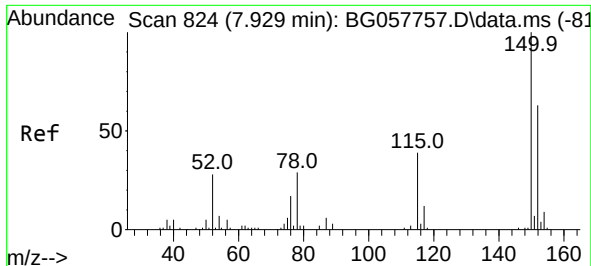
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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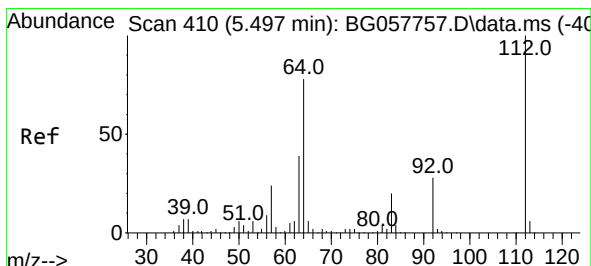
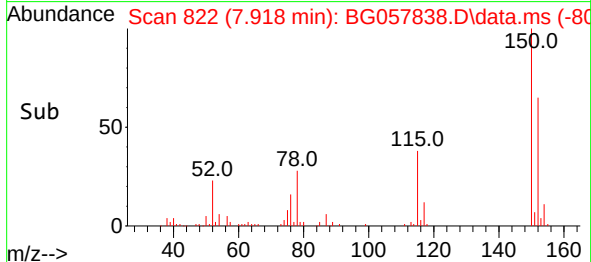
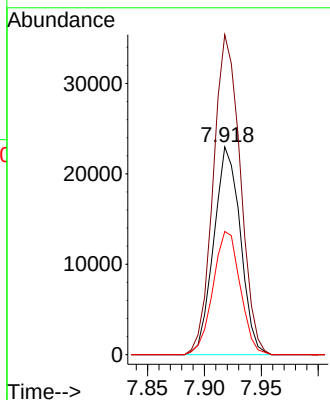
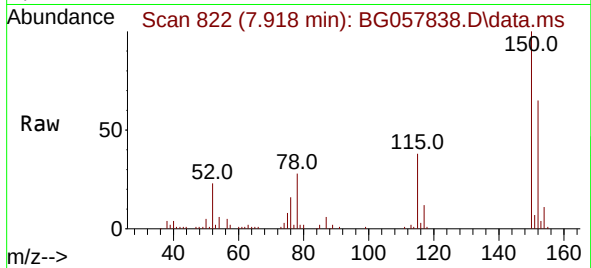




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.918 min Scan# 81
Delta R.T. -0.011 min
Lab File: BG057838.D
Acq: 23 Jun 2023 12:00

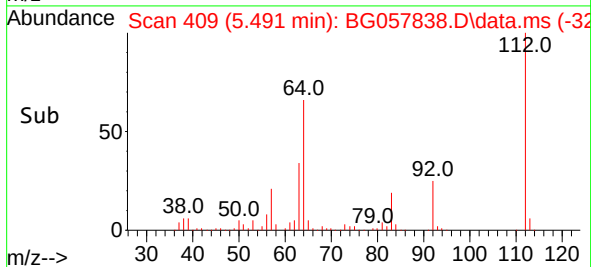
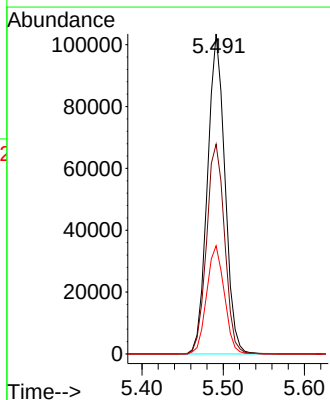
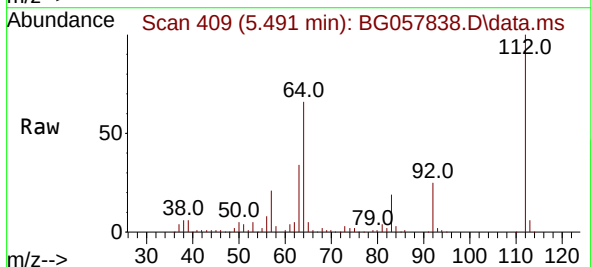
Instrument :
BNA_G
ClientSampleId :
MW-1

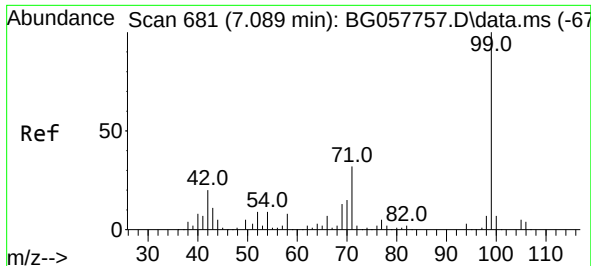
Tgt Ion:152 Resp: 37362
Ion Ratio Lower Upper
152 100
150 154.0 126.6 189.8
115 59.3 48.9 73.3



#5
2-Fluorophenol
Concen: 63.720 ng
RT: 5.491 min Scan# 409
Delta R.T. -0.006 min
Lab File: BG057838.D
Acq: 23 Jun 2023 12:00

Tgt Ion:112 Resp: 154401
Ion Ratio Lower Upper
112 100
64 65.5 62.1 93.1
63 33.8 31.5 47.3

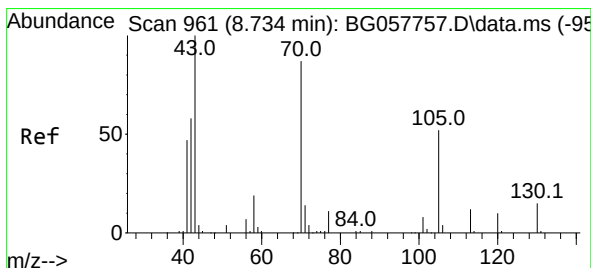
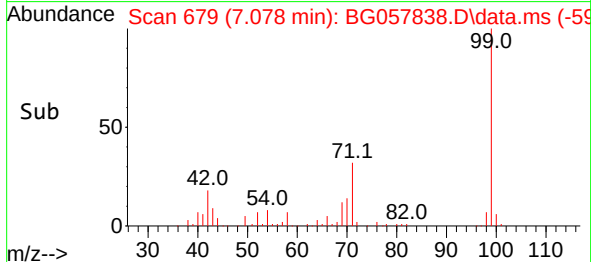
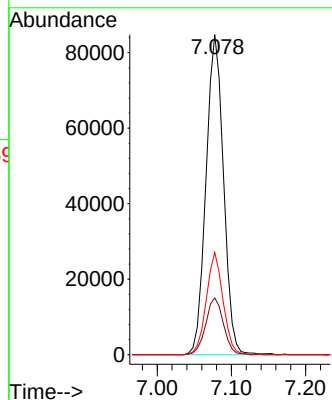
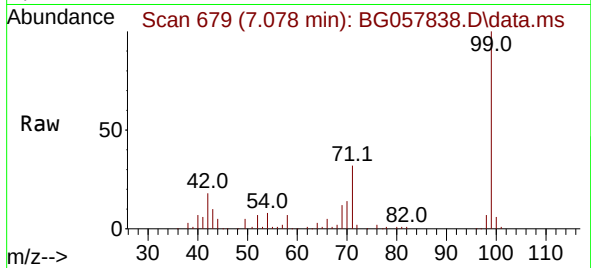




#7
Phenol-d6
Concen: 37.634 ng
RT: 7.078 min Scan# 61
Delta R.T. -0.011 min
Lab File: BG057838.D
Acq: 23 Jun 2023 12:00

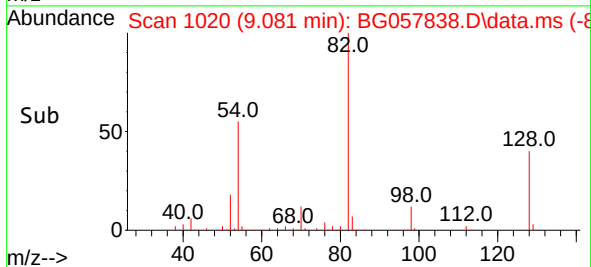
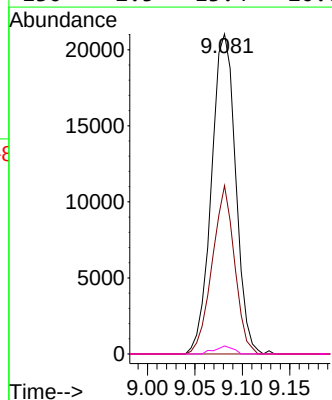
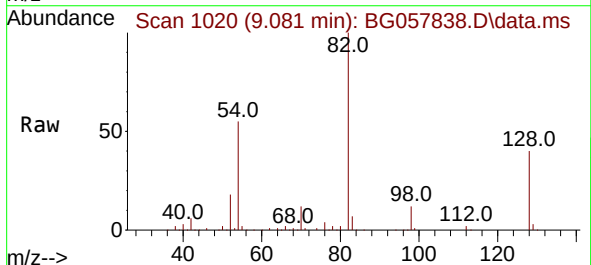
Instrument :
BNA_G
ClientSampleId :
MW-1

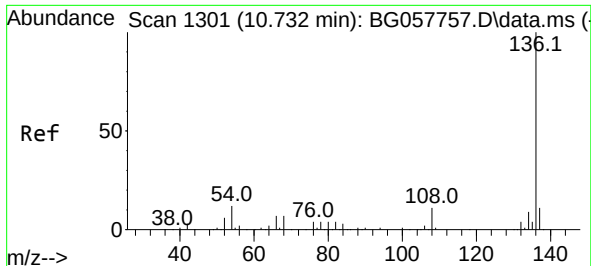
Tgt Ion: 99 Resp: 139145
Ion Ratio Lower Upper
99 100
42 17.7 16.4 24.6
71 31.9 25.8 38.6



#19
n-Nitroso-di-n-propylamine
Concen: 14.475 ng
RT: 9.081 min Scan# 1020
Delta R.T. 0.347 min
Lab File: BG057838.D
Acq: 23 Jun 2023 12:00

Tgt Ion: 70 Resp: 37312
Ion Ratio Lower Upper
70 100
42 52.6 54.2 81.2#
101 0.0 7.4 11.0#
130 2.5 13.4 20.0#

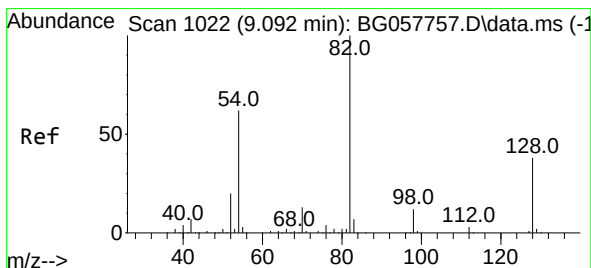
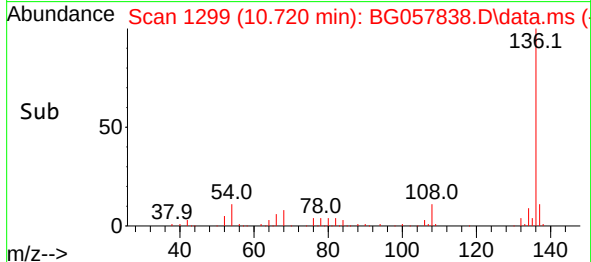
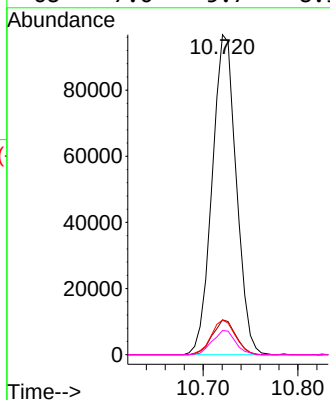
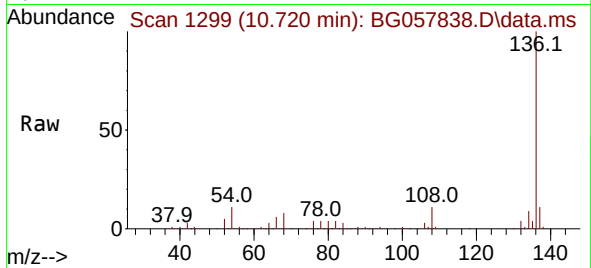




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.720 min Scan# 11
Delta R.T. -0.011 min
Lab File: BG057838.D
Acq: 23 Jun 2023 12:00

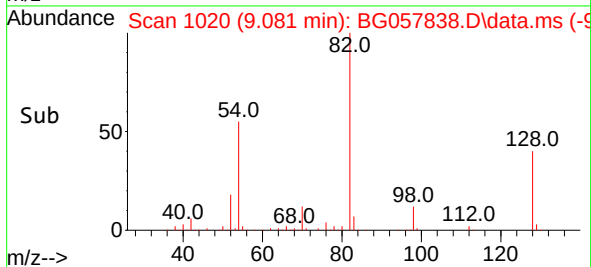
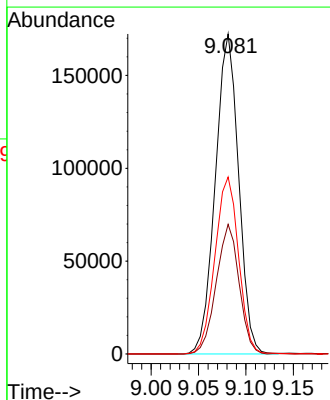
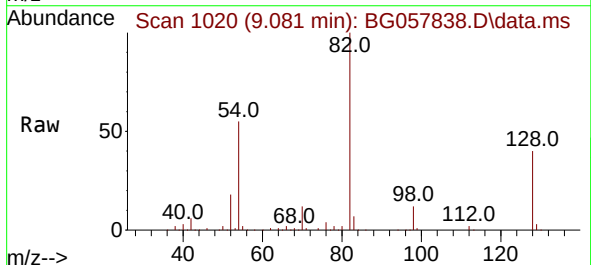
Instrument :
BNA_G
ClientSampleId :
MW-1

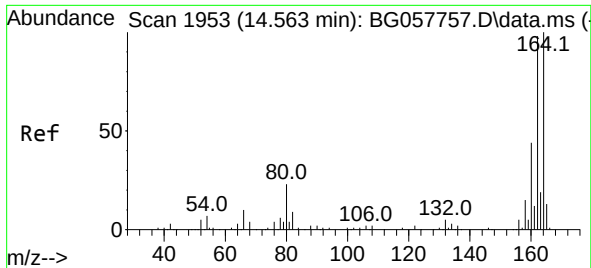
Tgt Ion:	136	Resp:	171026
Ion Ratio	Lower	Upper	
136	100		
137	10.9	8.5	12.7
54	10.8	9.5	14.3
68	7.6	5.7	8.5



#23
Nitrobenzene-d5
Concen: 88.447 ng
RT: 9.081 min Scan# 1020
Delta R.T. -0.011 min
Lab File: BG057838.D
Acq: 23 Jun 2023 12:00

Tgt Ion:	82	Resp:	294732
Ion Ratio	Lower	Upper	
82	100		
128	40.5	30.7	46.1
54	55.3	49.6	74.4

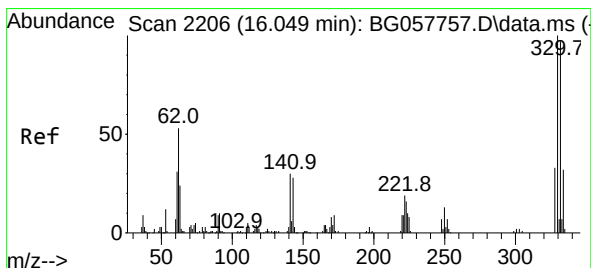
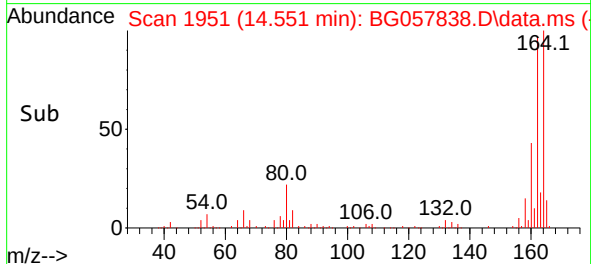
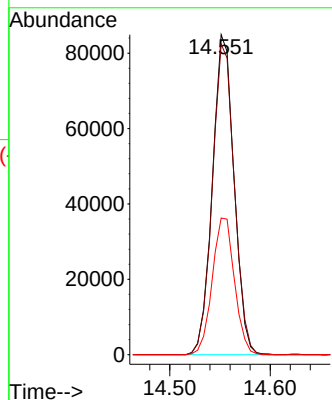
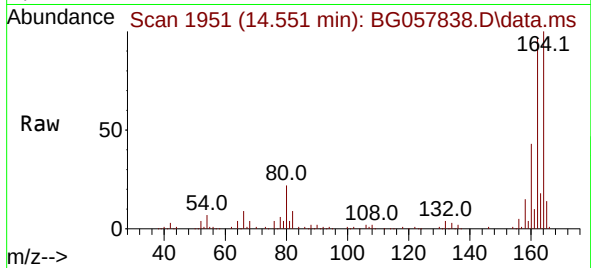




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.551 min Scan# 1951
Delta R.T. -0.011 min
Lab File: BG057838.D
Acq: 23 Jun 2023 12:00

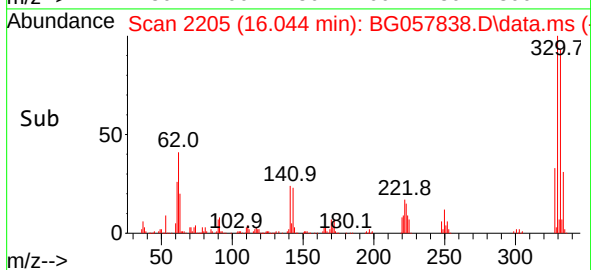
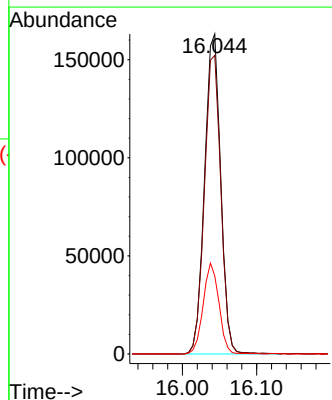
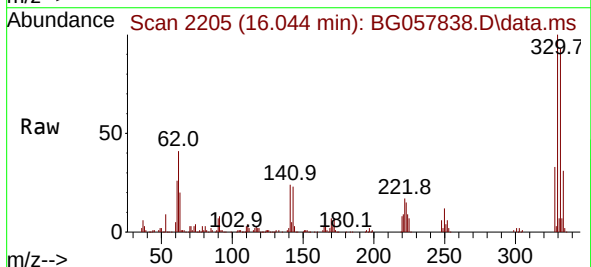
Instrument :
BNA_G
ClientSampleId :
MW-1

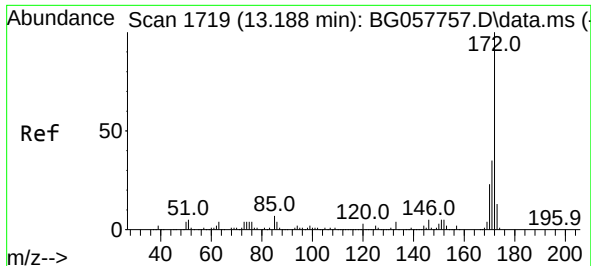
Tgt Ion:164 Resp: 127036
Ion Ratio Lower Upper
164 100
162 97.1 78.3 117.5
160 42.7 35.4 53.0



#42
2,4,6-Tribromophenol
Concen: 139.129 ng
RT: 16.044 min Scan# 2205
Delta R.T. -0.006 min
Lab File: BG057838.D
Acq: 23 Jun 2023 12:00

Tgt Ion:330 Resp: 246203
Ion Ratio Lower Upper
330 100
332 95.1 76.6 115.0
141 27.7 24.7 37.1

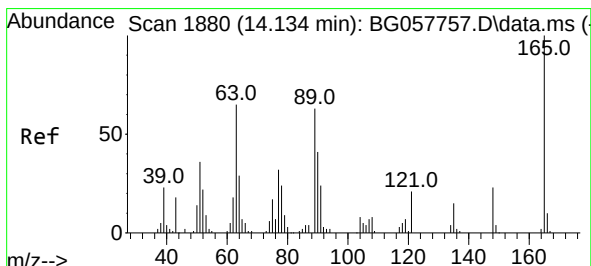
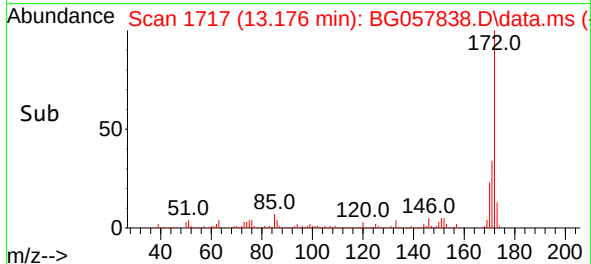
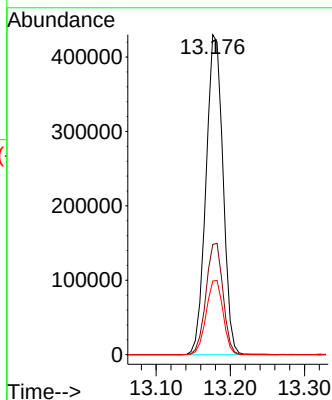
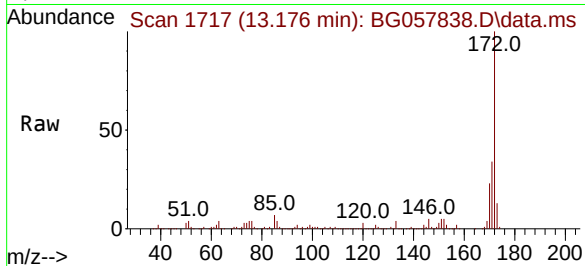




#45
2-Fluorobiphenyl
Concen: 81.724 ng
RT: 13.176 min Scan# 1
Delta R.T. -0.011 min
Lab File: BG057838.D
Acq: 23 Jun 2023 12:00

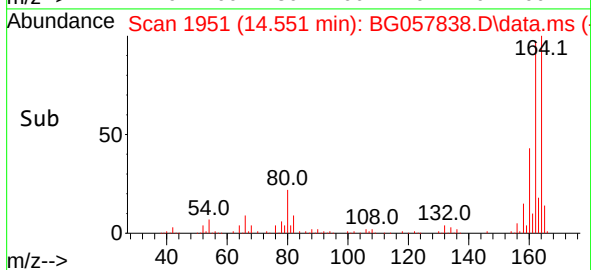
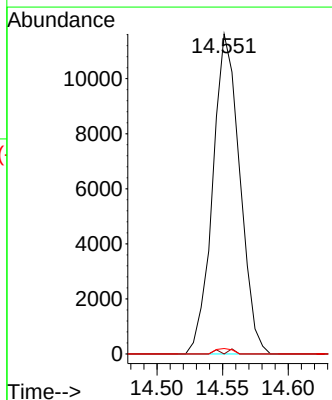
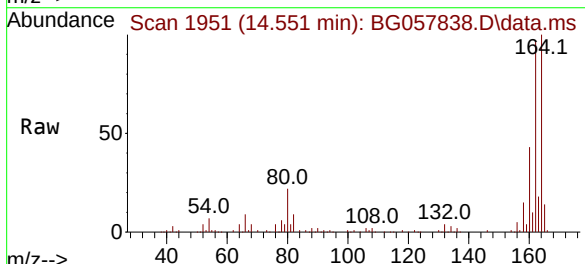
Instrument :
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ClientSampleId :
MW-1

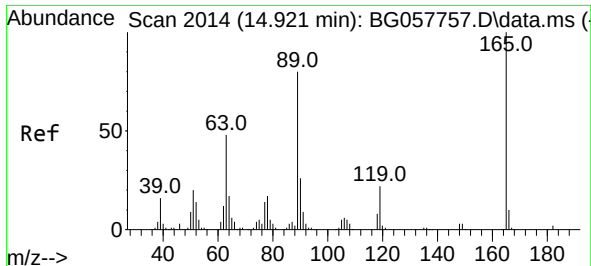
Tgt Ion:172 Resp: 684483
Ion Ratio Lower Upper
172 100
171 34.5 28.1 42.1
170 23.0 18.6 27.8



#51
2,6-Dinitrotoluene
Concen: 9.291 ng
RT: 14.551 min Scan# 1951
Delta R.T. 0.417 min
Lab File: BG057838.D
Acq: 23 Jun 2023 12:00

Tgt Ion:165 Resp: 16693
Ion Ratio Lower Upper
165 100
63 0.0 52.8 79.2#
89 1.7 50.7 76.1#





#57

2,4-Dinitrotoluene

Concen: 6.851 ng

RT: 14.551 min Scan# 1951

Delta R.T. -0.370 min

Lab File: BG057838.D

Acq: 23 Jun 2023 12:00

Instrument :

BNA_G

ClientSampleId :

MW-1

Tgt Ion:165 Resp: 16693

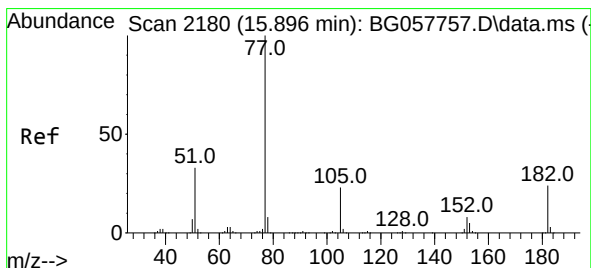
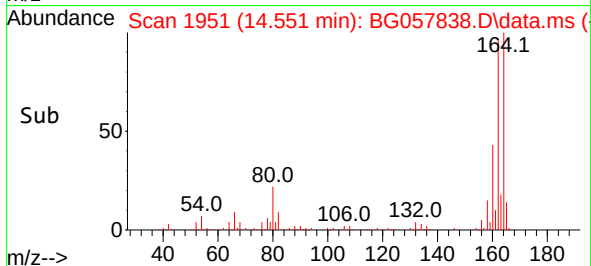
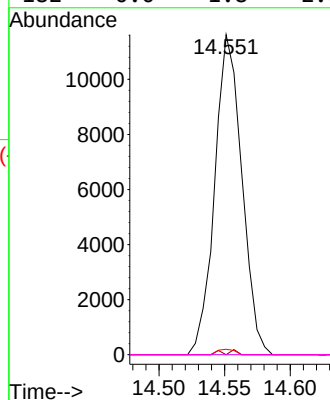
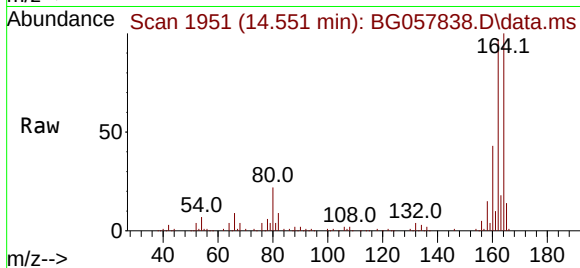
Ion Ratio Lower Upper

165 100

63 0.0 38.6 58.0#

89 1.7 63.7 95.5#

182 0.0 1.8 2.6#



#63

Azobenzene

Concen: 3.684 ng

RT: 15.908 min Scan# 2182

Delta R.T. 0.012 min

Lab File: BG057838.D

Acq: 23 Jun 2023 12:00

Tgt Ion: 77 Resp: 37725

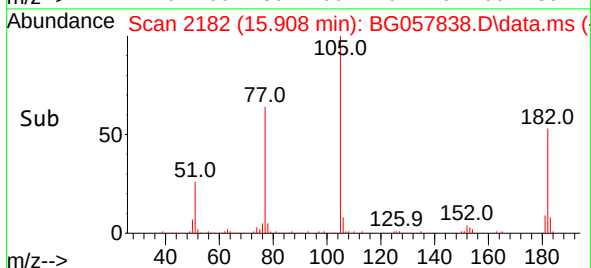
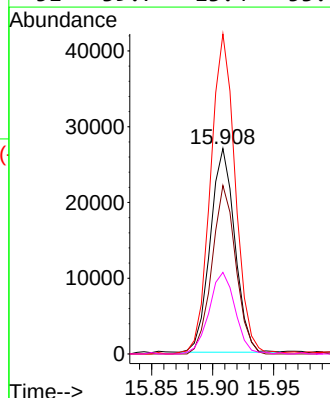
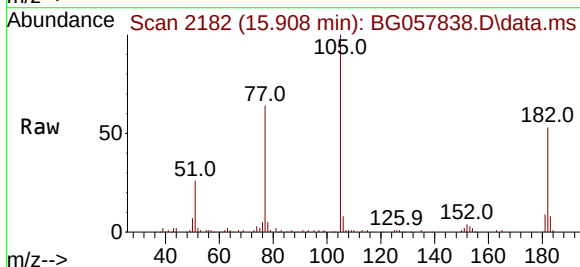
Ion Ratio Lower Upper

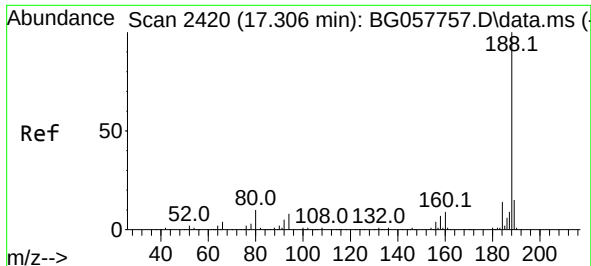
77 100

182 82.0 4.1 44.1#

105 155.7 3.3 43.3#

51 39.7 13.4 53.4

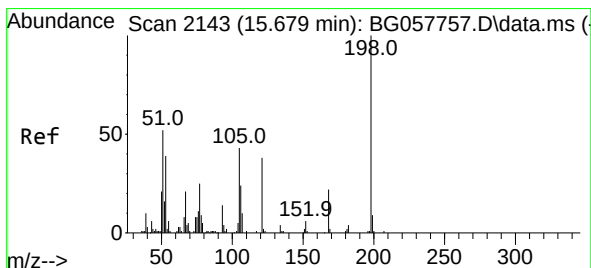
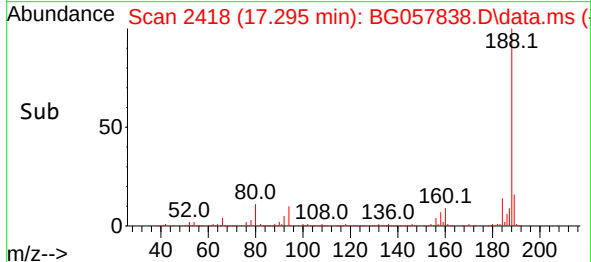
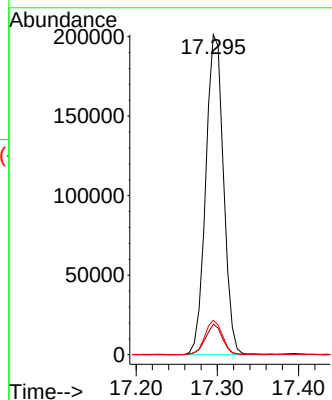
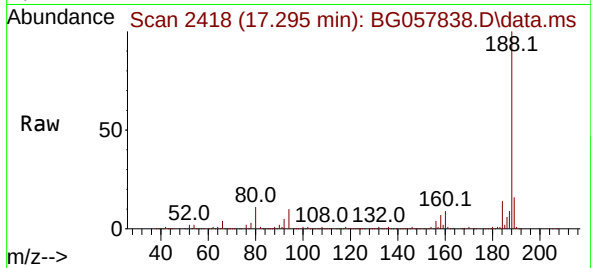




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.295 min Scan# 24
Delta R.T. -0.011 min
Lab File: BG057838.D
Acq: 23 Jun 2023 12:00

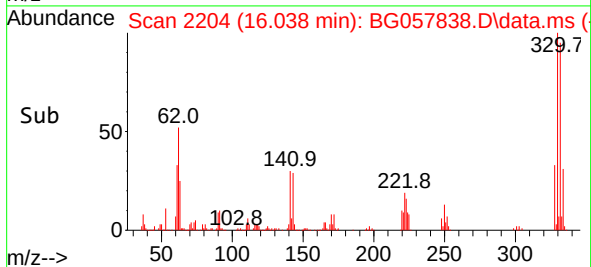
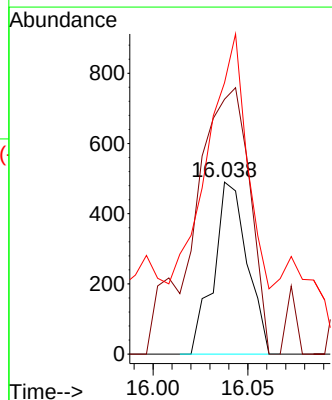
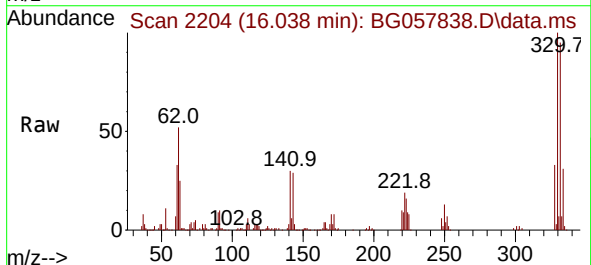
Instrument :
BNA_G
ClientSampleId :
MW-1

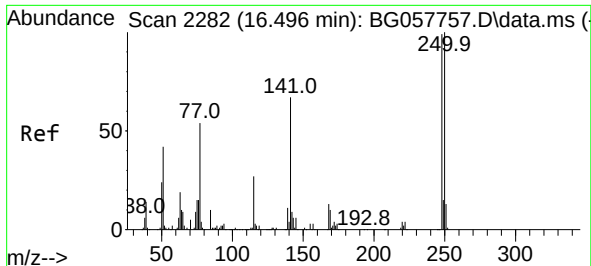
Tgt Ion:188 Resp: 304634
Ion Ratio Lower Upper
188 100
94 9.6 6.6 9.8
80 10.7 7.6 11.4



#65
4,6-Dinitro-2-methylphenol
Concen: 5.694 ng
RT: 16.038 min Scan# 2204
Delta R.T. 0.359 min
Lab File: BG057838.D
Acq: 23 Jun 2023 12:00

Tgt Ion:198 Resp: 601
Ion Ratio Lower Upper
198 100
51 148.2 36.6 76.6#
105 157.8 24.3 64.3#

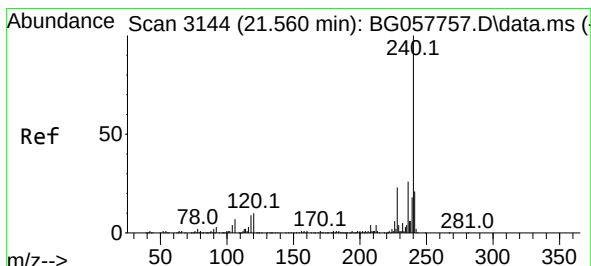
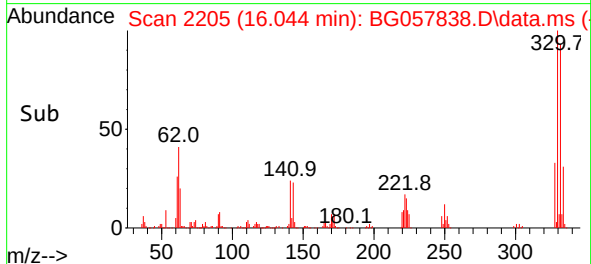
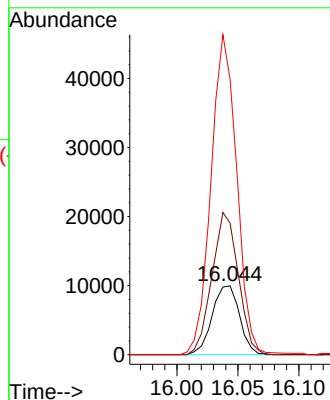
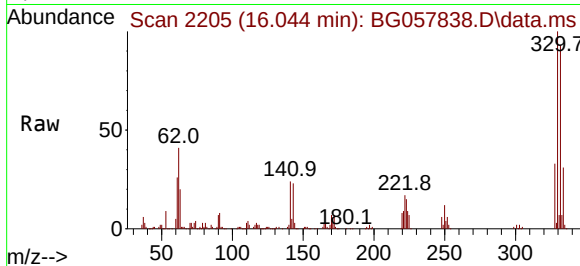




#67
4-Bromophenyl-phenylether
Concen: 4.811 ng
RT: 16.044 min Scan# 21
Delta R.T. -0.452 min
Lab File: BG057838.D
Acq: 23 Jun 2023 12:00

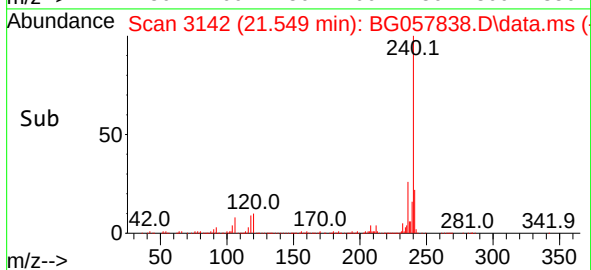
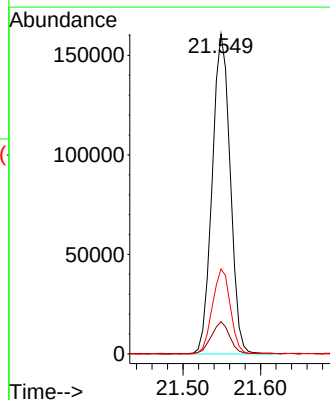
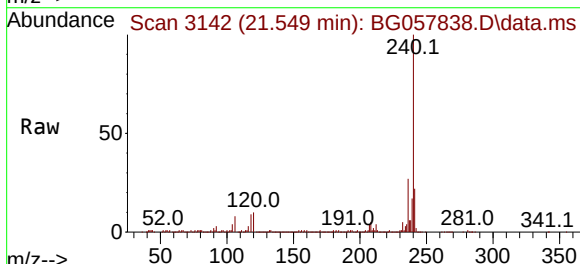
Instrument :
BNA_G
ClientSampleId :
MW-1

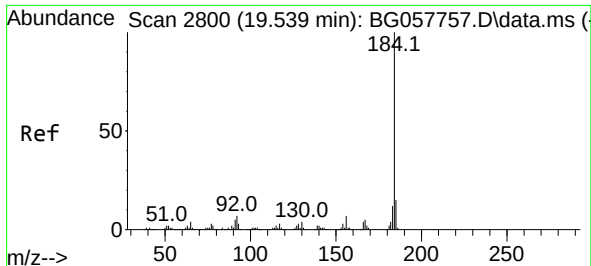
Tgt Ion:248 Resp: 15543
Ion Ratio Lower Upper
248 100
250 191.0 81.1 121.7#
141 400.0 54.6 81.8#



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.549 min Scan# 3142
Delta R.T. -0.011 min
Lab File: BG057838.D
Acq: 23 Jun 2023 12:00

Tgt Ion:240 Resp: 259617
Ion Ratio Lower Upper
240 100
120 10.1 8.1 12.1
236 26.6 20.6 30.8

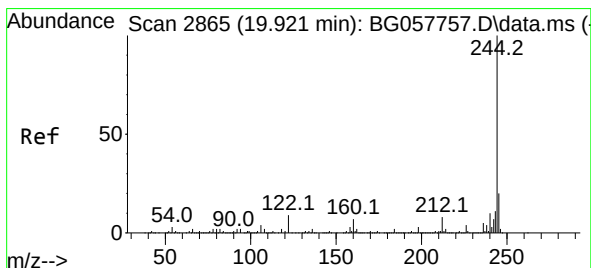
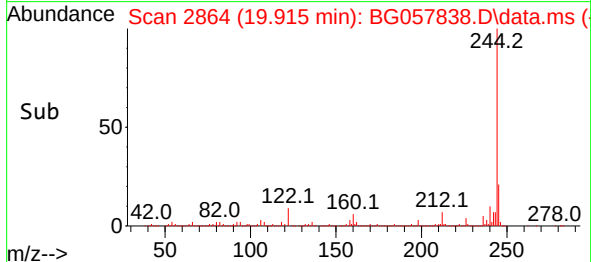
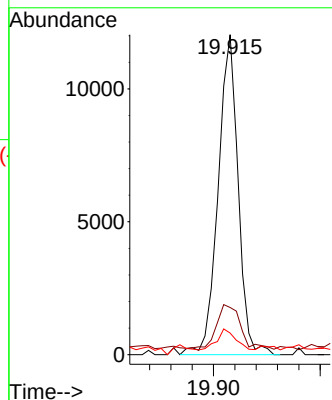
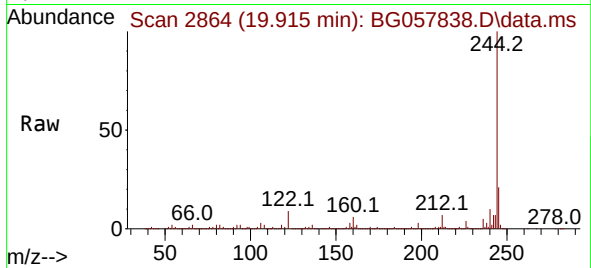




#77
Benzidine
Concen: 2.569 ng
RT: 19.915 min Scan# 2864
Delta R.T. 0.376 min
Lab File: BG057838.D
Acq: 23 Jun 2023 12:00

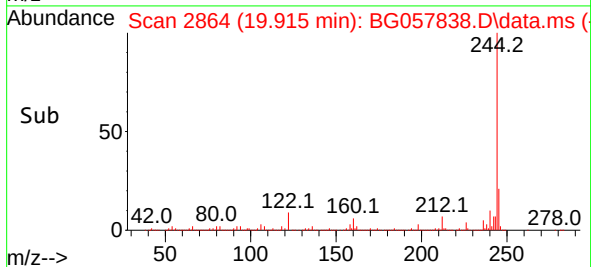
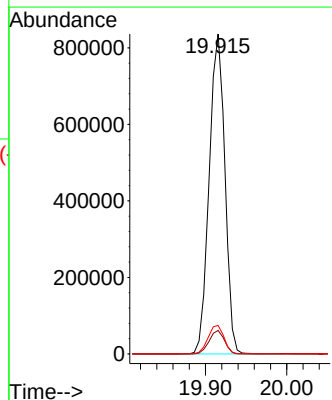
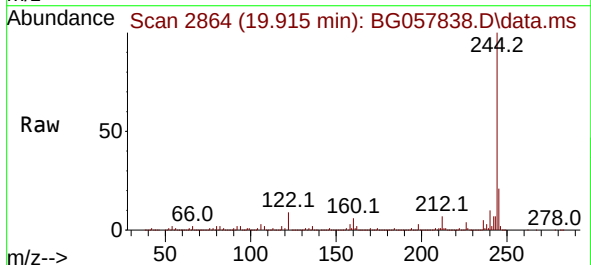
Instrument :
BNA_G
ClientSampleId :
MW-1

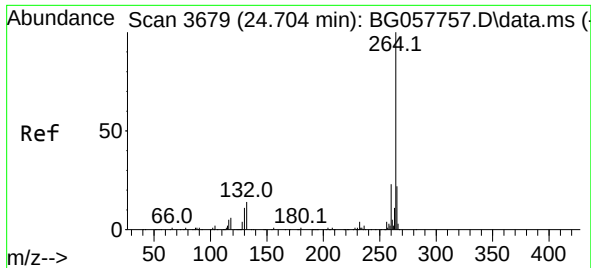
Tgt Ion:184 Resp: 15632
Ion Ratio Lower Upper
184 100
185 14.8 12.0 18.0
183 6.8 9.4 14.0#



#79
Terphenyl-d14
Concen: 80.591 ng
RT: 19.915 min Scan# 2864
Delta R.T. -0.006 min
Lab File: BG057838.D
Acq: 23 Jun 2023 12:00

Tgt Ion:244 Resp: 1122068
Ion Ratio Lower Upper
244 100
212 7.4 6.1 9.1
122 8.9 7.6 11.4





#86
Perylene-d12
Concen: 20.000 ng
RT: 24.698 min Scan# 30
Delta R.T. -0.006 min
Lab File: BG057838.D
Acq: 23 Jun 2023 12:00

Instrument :
BNA_G
ClientSampleId :
MW-1

Tgt Ion:264 Resp: 321524

Ion	Ratio	Lower	Upper
264	100		
260	22.2	18.5	27.7
265	22.5	17.4	26.2

