

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG062223\
 Data File : BG057813.D
 Acq On : 22 Jun 2023 17:14
 Operator : CG/JU
 Sample : 03238-04
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 MW-4

Quant Time: Jun 22 17:52:23 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)

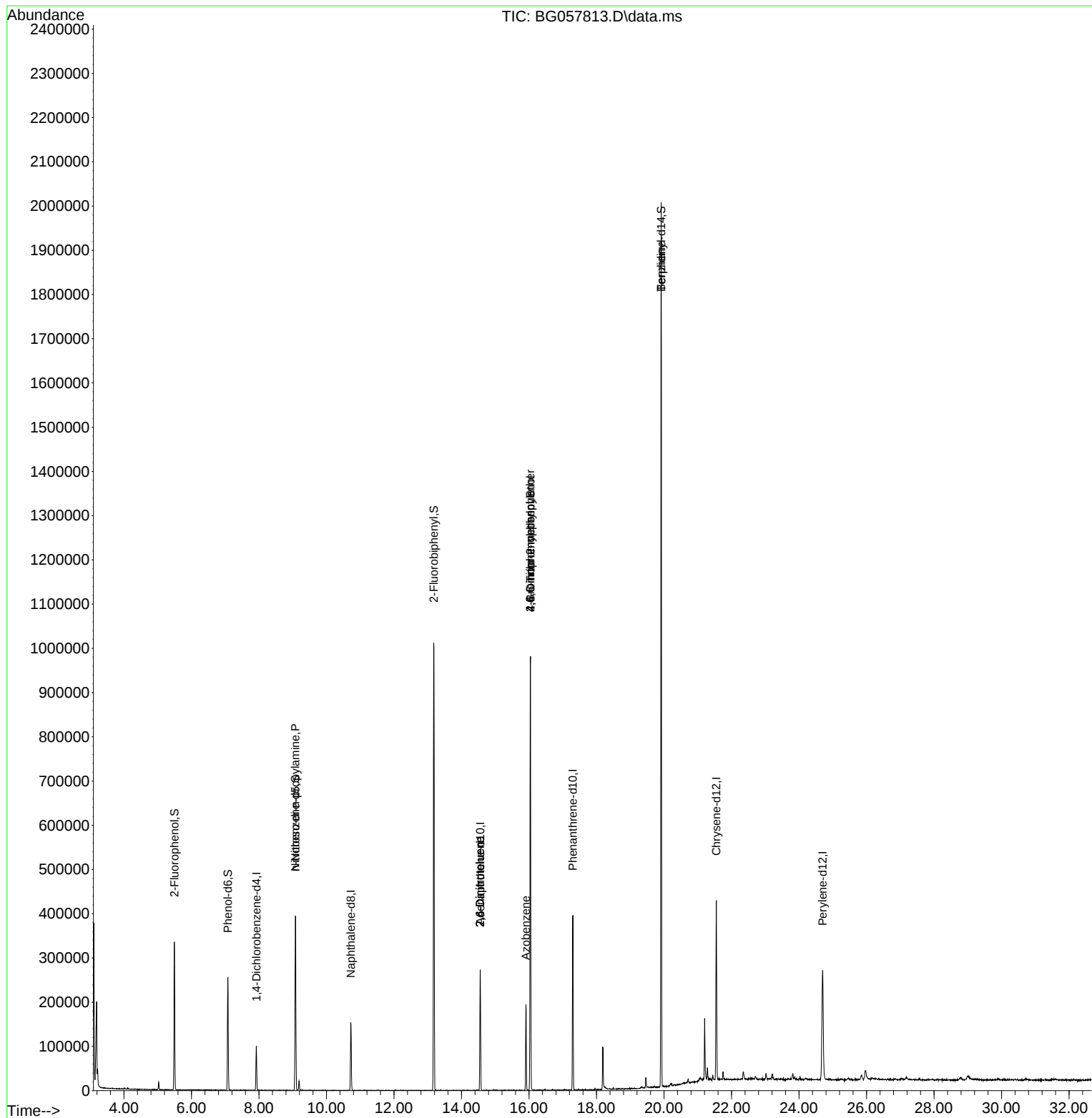
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.923	152	27752	20.000	ng	0.00
21) Naphthalene-d8	10.720	136	129160	20.000	ng	-0.01
39) Acenaphthene-d10	14.557	164	99129	20.000	ng	0.00
64) Phenanthrene-d10	17.301	188	255584	20.000	ng	0.00
76) Chrysene-d12	21.549	240	228040	20.000	ng	-0.01
86) Perylene-d12	24.698	264	276515	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.491	112	139483	77.497	ng	0.00
7) Phenol-d6	7.077	99	147312	53.640	ng	-0.01
23) Nitrobenzene-d5	9.081	82	232241	92.284	ng	-0.01
42) 2,4,6-Tribromophenol	16.043	330	207972	150.611	ng	0.00
45) 2-Fluorobiphenyl	13.182	172	567233	86.791	ng	0.00
79) Terphenyl-d14	19.915	244	1027651	84.030	ng	0.00
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	9.081	70	29242	15.273	ng	# 77
51) 2,6-Dinitrotoluene	14.551	165	13521	9.644	ng	# 18
57) 2,4-Dinitrotoluene	14.551	165	13521	7.112	ng	# 18
63) Azobenzene	15.908	77	54629	6.837	ng	# 1
65) 4,6-Dinitro-2-methylph...	16.043	198	458	5.659	ng	# 15
67) 4-Bromophenyl-phenylether	16.043	248	13835	5.104	ng	# 1
77) Benzidine	19.915	184	13723	2.567	ng	# 93

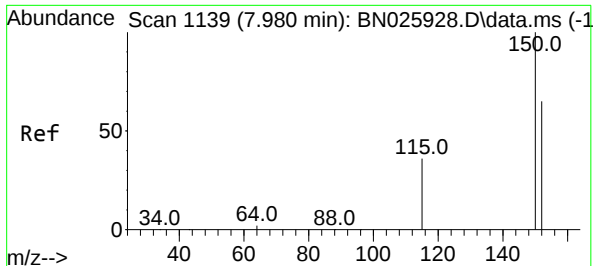
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG062223\
Data File : BG057813.D
Acq On : 22 Jun 2023 17:14
Operator : CG/JU
Sample : 03238-04
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
MW-4

Quant Time: Jun 22 17:52:23 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

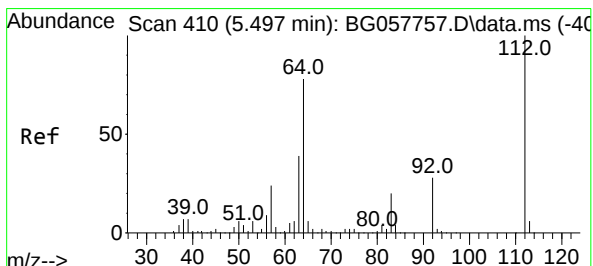
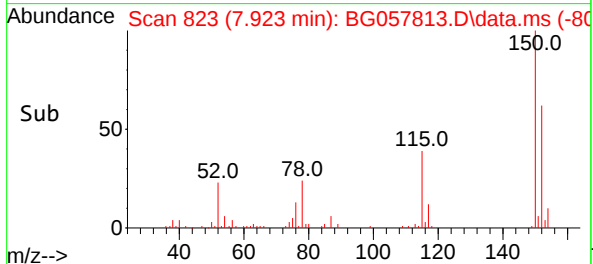
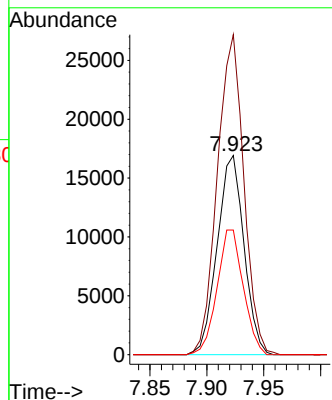
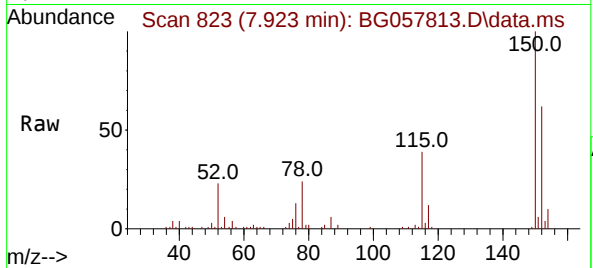




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.923 min Scan# 81
Delta R.T. -0.006 min
Lab File: BG057813.D
Acq: 22 Jun 2023 17:14

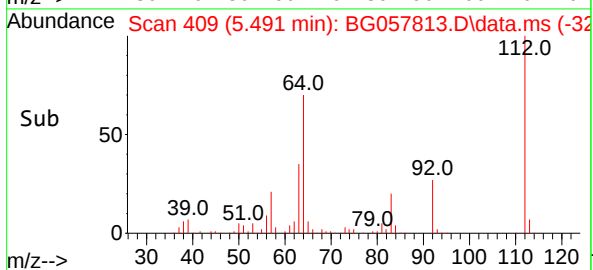
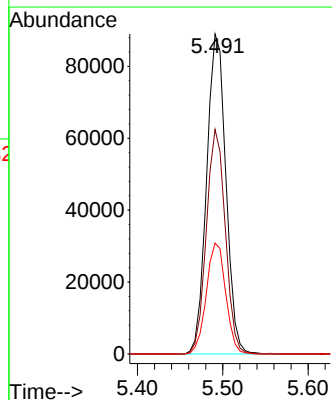
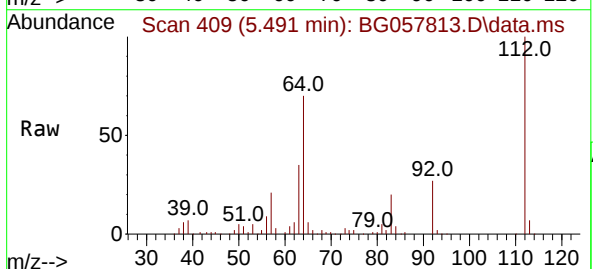
Instrument :
BNA_G
ClientSampleId :
MW-4

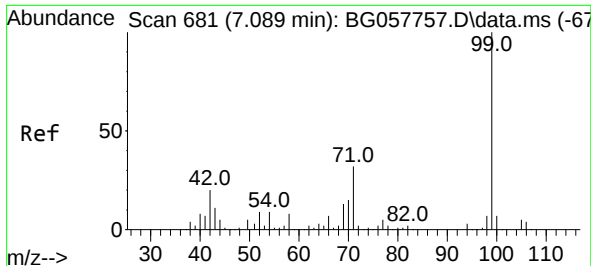
Tgt Ion:152 Resp: 27752
Ion Ratio Lower Upper
152 100
150 160.6 126.6 189.8
115 62.6 48.9 73.3



#5
2-Fluorophenol
Concen: 77.497 ng
RT: 5.491 min Scan# 409
Delta R.T. -0.006 min
Lab File: BG057813.D
Acq: 22 Jun 2023 17:14

Tgt Ion:112 Resp: 139483
Ion Ratio Lower Upper
112 100
64 70.2 62.1 93.1
63 34.7 31.5 47.3

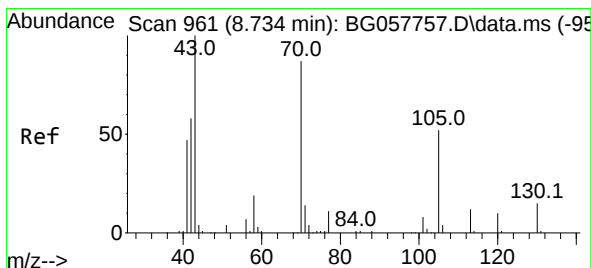
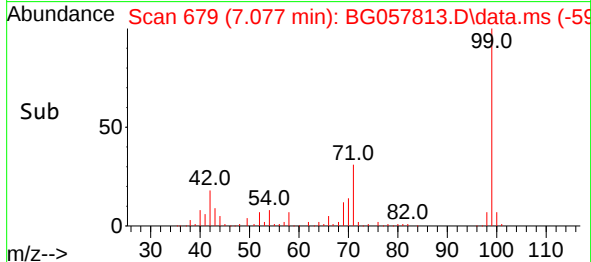
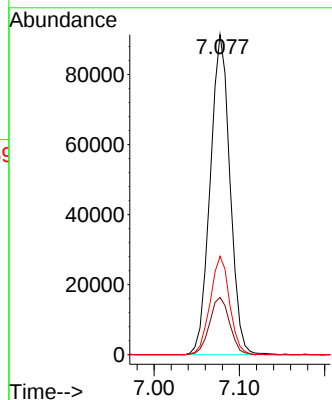
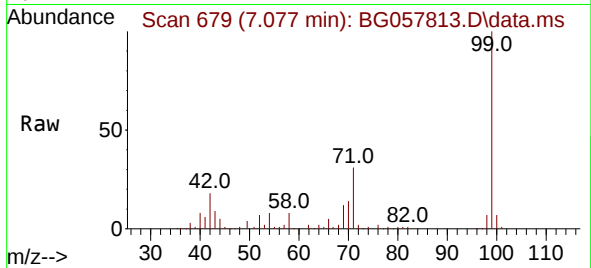




#7
Phenol-d6
Concen: 53.640 ng
RT: 7.077 min Scan# 61
Delta R.T. -0.012 min
Lab File: BG057813.D
Acq: 22 Jun 2023 17:14

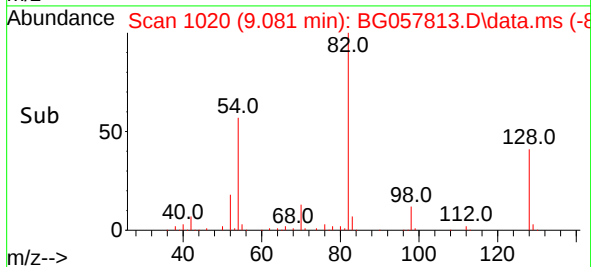
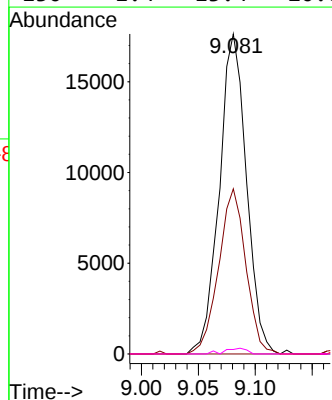
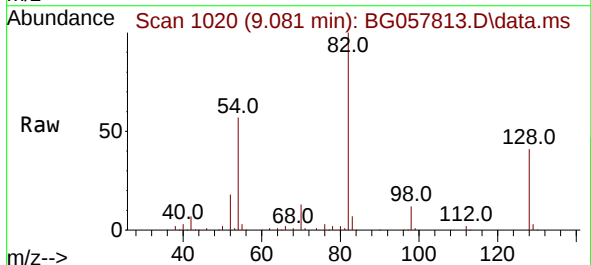
Instrument :
BNA_G
ClientSampleId :
MW-4

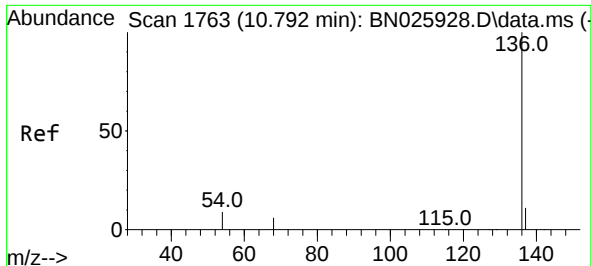
Tgt Ion: 99 Resp: 147312
Ion Ratio Lower Upper
99 100
42 17.9 16.4 24.6
71 30.7 25.8 38.6



#19
n-Nitroso-di-n-propylamine
Concen: 15.273 ng
RT: 9.081 min Scan# 1020
Delta R.T. 0.347 min
Lab File: BG057813.D
Acq: 22 Jun 2023 17:14

Tgt Ion: 70 Resp: 29242
Ion Ratio Lower Upper
70 100
42 51.6 54.2 81.2#
101 0.0 7.4 11.0#
130 1.4 13.4 20.0#

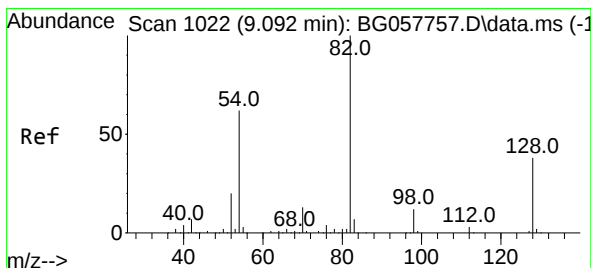
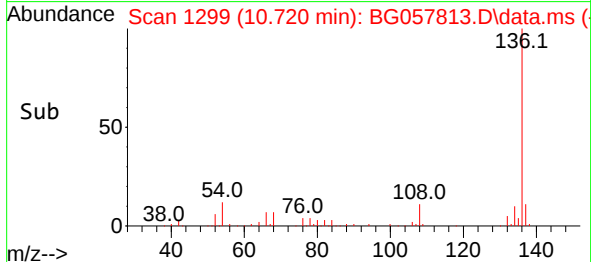
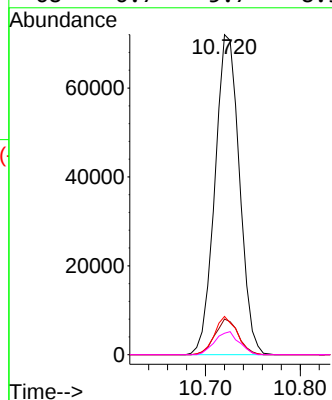
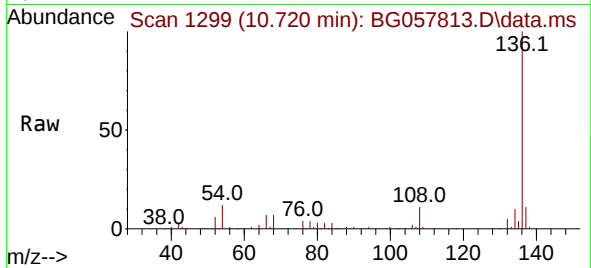




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.720 min Scan# 11
Delta R.T. -0.012 min
Lab File: BG057813.D
Acq: 22 Jun 2023 17:14

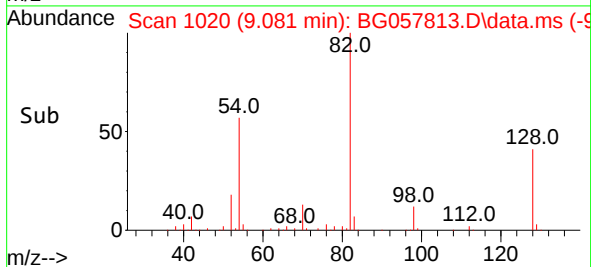
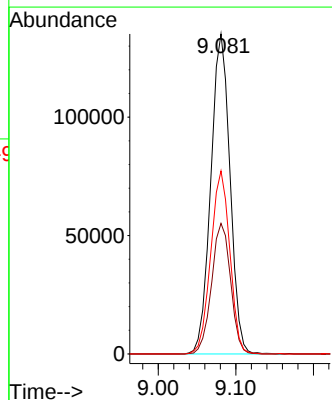
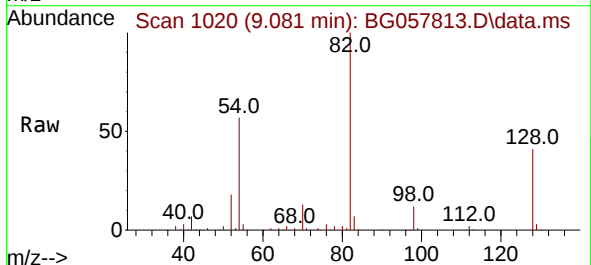
Instrument :
BNA_G
ClientSampleId :
MW-4

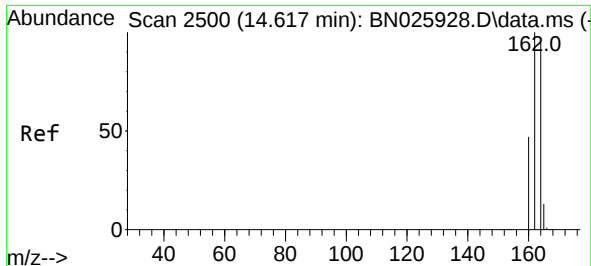
Tgt Ion:	136	Resp:	129160
Ion	Ratio	Lower	Upper
136	100		
137	11.1	8.5	12.7
54	12.0	9.5	14.3
68	6.7	5.7	8.5



#23
Nitrobenzene-d5
Concen: 92.284 ng
RT: 9.081 min Scan# 1020
Delta R.T. -0.012 min
Lab File: BG057813.D
Acq: 22 Jun 2023 17:14

Tgt Ion:	82	Resp:	232241
Ion	Ratio	Lower	Upper
82	100		
128	40.8	30.7	46.1
54	57.2	49.6	74.4





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.557 min Scan# 1952

Delta R.T. -0.006 min

Lab File: BG057813.D

Acq: 22 Jun 2023 17:14

Instrument :

BNA_G

ClientSampleId :

MW-4

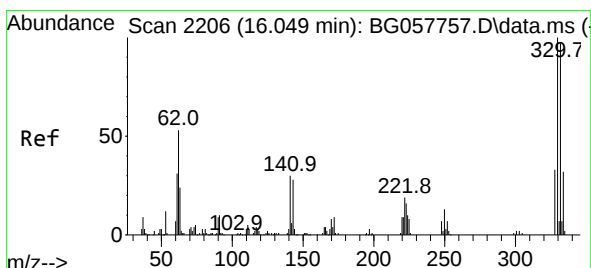
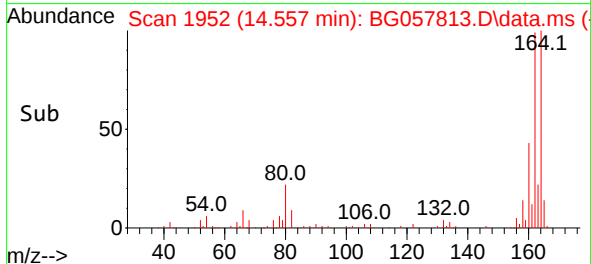
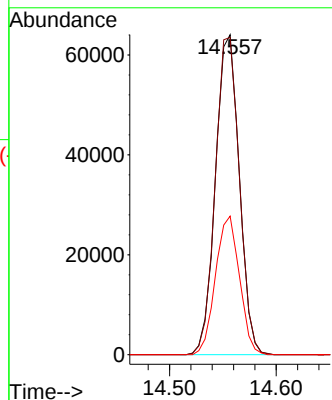
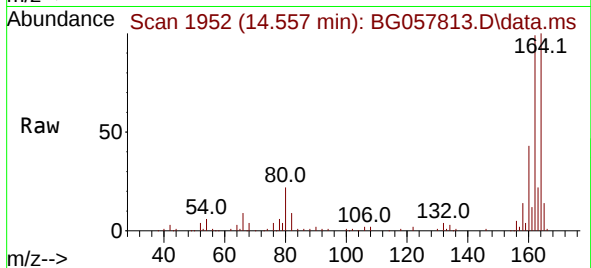
Tgt Ion:164 Resp: 99129

Ion Ratio Lower Upper

164 100

162 99.2 78.3 117.5

160 43.3 35.4 53.0



#42

2,4,6-Tribromophenol

Concen: 150.611 ng

RT: 16.043 min Scan# 2205

Delta R.T. -0.006 min

Lab File: BG057813.D

Acq: 22 Jun 2023 17:14

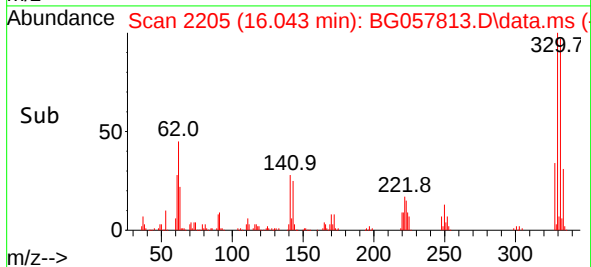
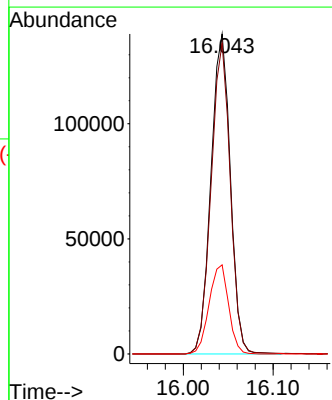
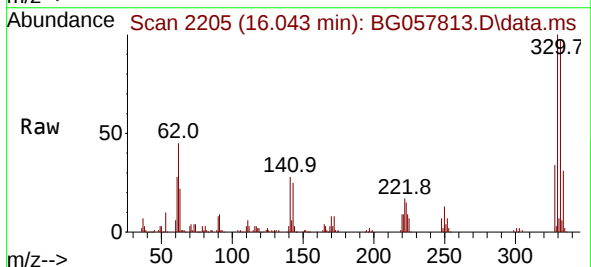
Tgt Ion:330 Resp: 207972

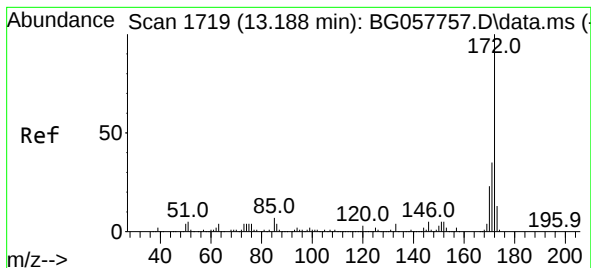
Ion Ratio Lower Upper

330 100

332 96.1 76.6 115.0

141 28.0 24.7 37.1





#45

2-Fluorobiphenyl

Concen: 86.791 ng

RT: 13.182 min Scan# 1

Delta R.T. -0.006 min

Lab File: BG057813.D

Acq: 22 Jun 2023 17:14

Instrument :

BNA_G

ClientSampleId :

MW-4

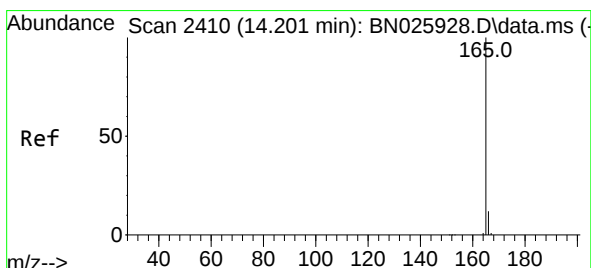
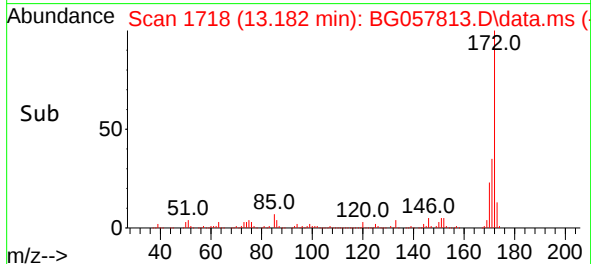
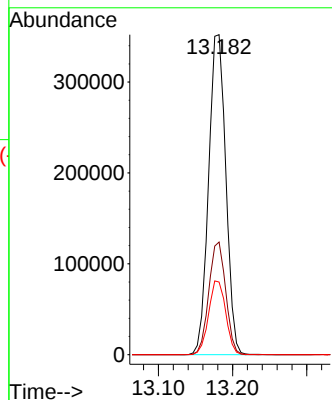
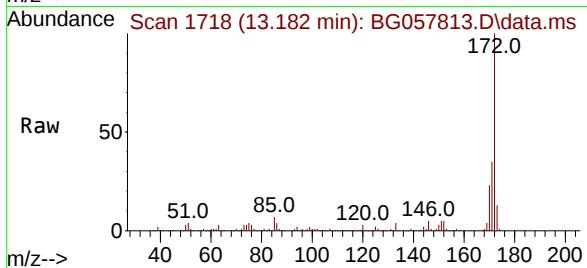
Tgt Ion:172 Resp: 567233

Ion Ratio Lower Upper

172 100

171 35.2 28.1 42.1

170 22.7 18.6 27.8



#51

2,6-Dinitrotoluene

Concen: 9.644 ng

RT: 14.551 min Scan# 1951

Delta R.T. 0.417 min

Lab File: BG057813.D

Acq: 22 Jun 2023 17:14

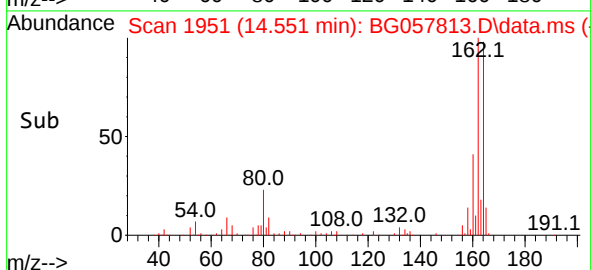
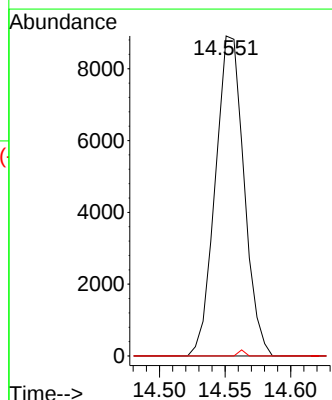
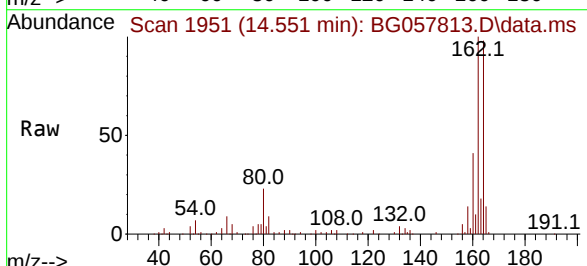
Tgt Ion:165 Resp: 13521

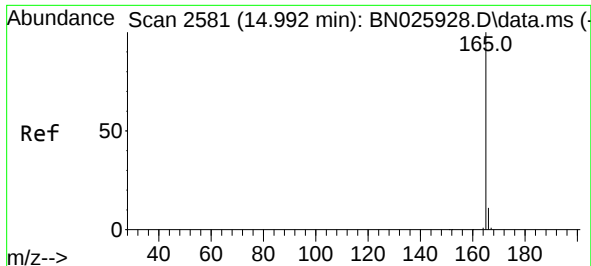
Ion Ratio Lower Upper

165 100

63 0.0 52.8 79.2#

89 0.0 50.7 76.1#





#57

2,4-Dinitrotoluene

Concen: 7.112 ng

RT: 14.551 min Scan# 1951

Delta R.T. -0.370 min

Lab File: BG057813.D

Acq: 22 Jun 2023 17:14

Instrument :

BNA_G

ClientSampleId :

MW-4

Tgt Ion:165 Resp: 13521

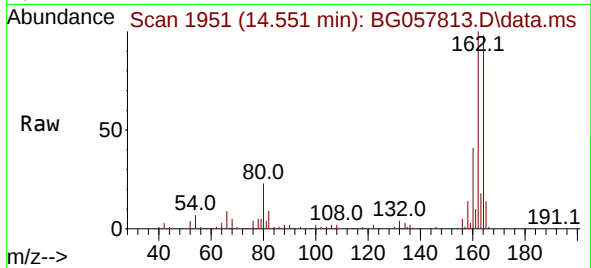
Ion Ratio Lower Upper

165 100

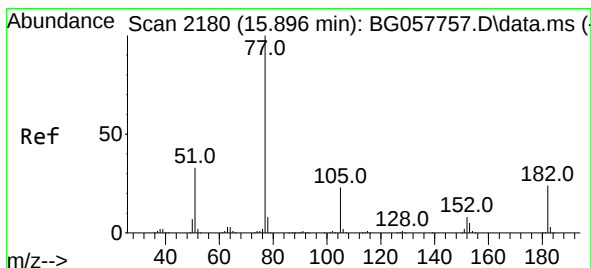
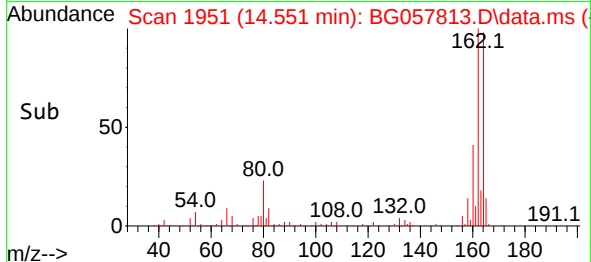
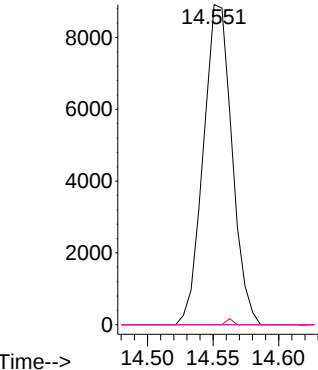
63 0.0 38.6 58.0#

89 0.0 63.7 95.5#

182 0.0 1.8 2.6#



Abundance



#63

Azobenzene

Concen: 6.837 ng

RT: 15.908 min Scan# 2182

Delta R.T. 0.012 min

Lab File: BG057813.D

Acq: 22 Jun 2023 17:14

Tgt Ion: 77 Resp: 54629

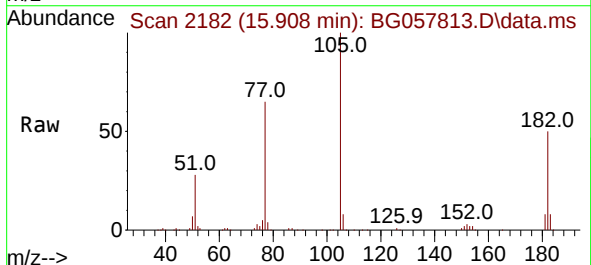
Ion Ratio Lower Upper

77 100

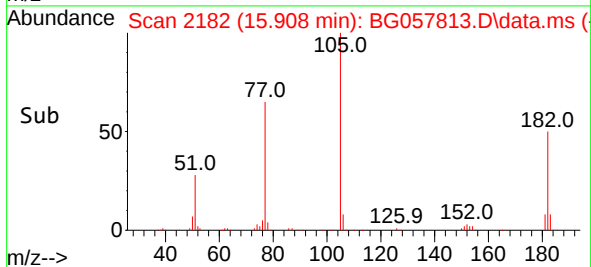
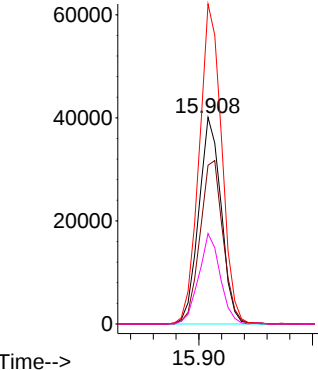
182 76.8 4.1 44.1#

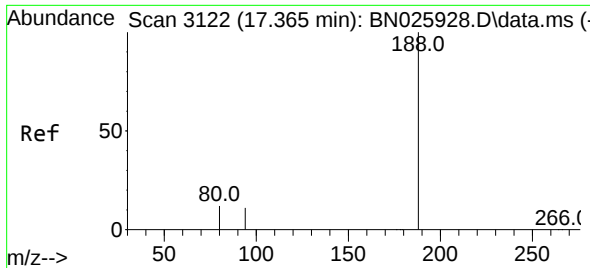
105 154.9 3.3 43.3#

51 43.8 13.4 53.4



Abundance

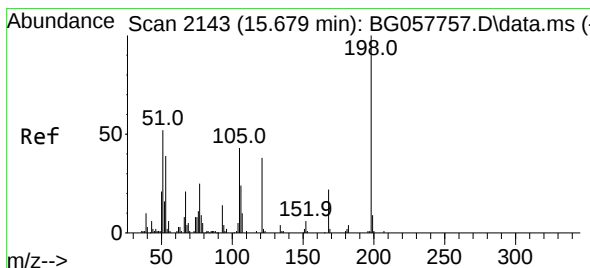
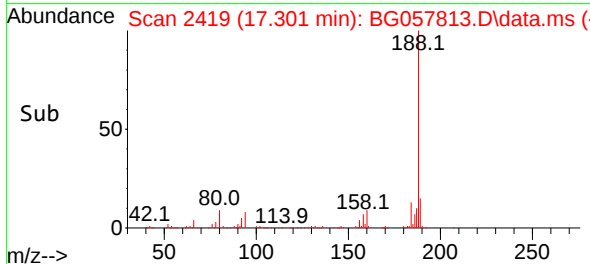
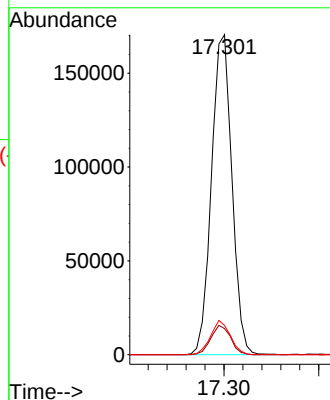
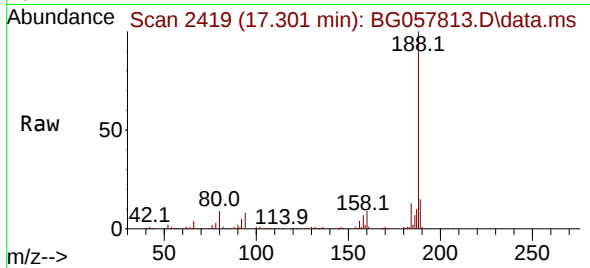




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.301 min Scan# 2419
Delta R.T. -0.006 min
Lab File: BG057813.D
Acq: 22 Jun 2023 17:14

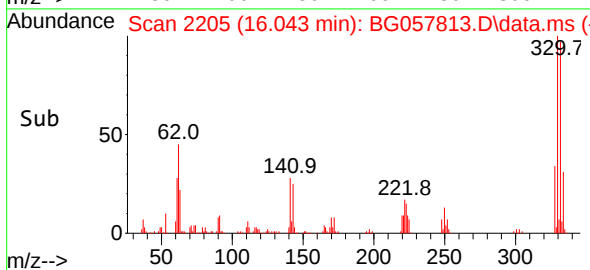
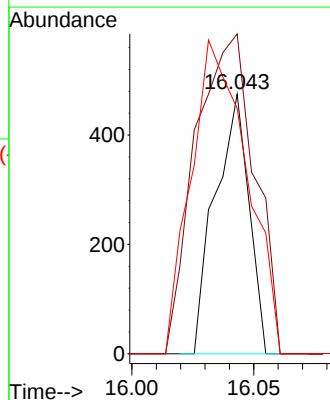
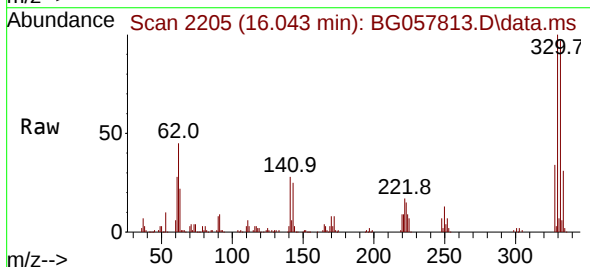
Instrument :
BNA_G
ClientSampleId :
MW-4

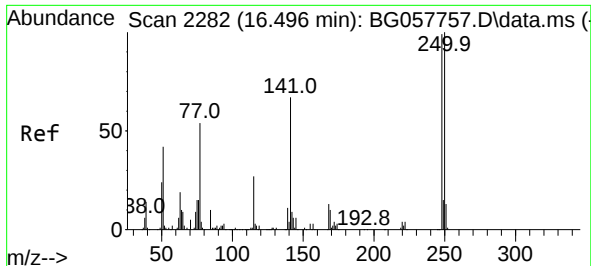
Tgt Ion:188 Resp: 255584
Ion Ratio Lower Upper
188 100
94 8.2 6.6 9.8
80 9.1 7.6 11.4



#65
4,6-Dinitro-2-methylphenol
Concen: 5.659 ng
RT: 16.043 min Scan# 2205
Delta R.T. 0.364 min
Lab File: BG057813.D
Acq: 22 Jun 2023 17:14

Tgt Ion:198 Resp: 458
Ion Ratio Lower Upper
198 100
51 123.2 36.6 76.6#
105 94.5 24.3 64.3#

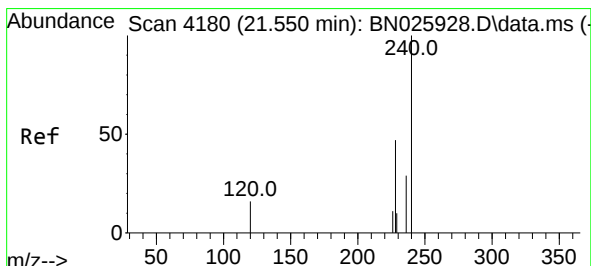
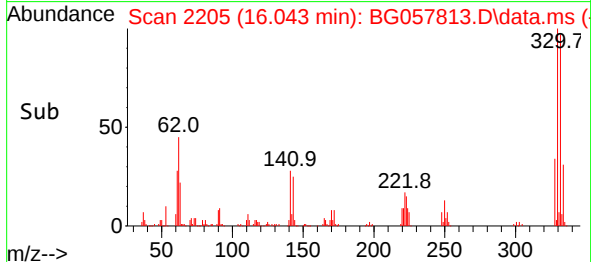
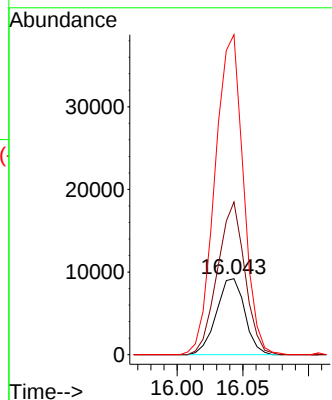
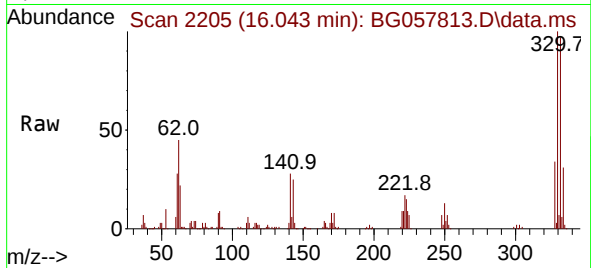




#67
4-Bromophenyl-phenylether
Concen: 5.104 ng
RT: 16.043 min Scan# 21
Delta R.T. -0.452 min
Lab File: BG057813.D
Acq: 22 Jun 2023 17:14

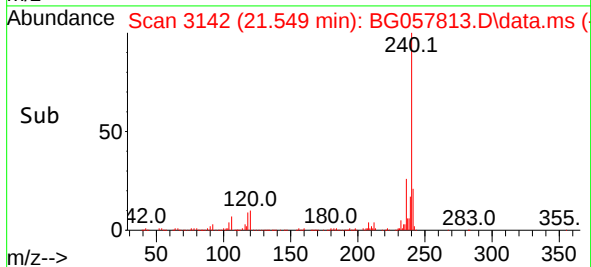
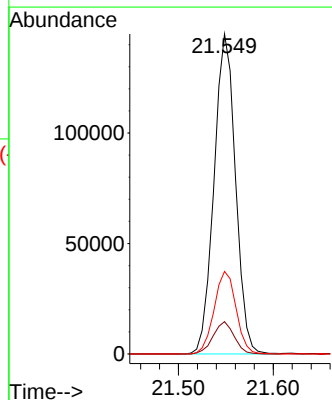
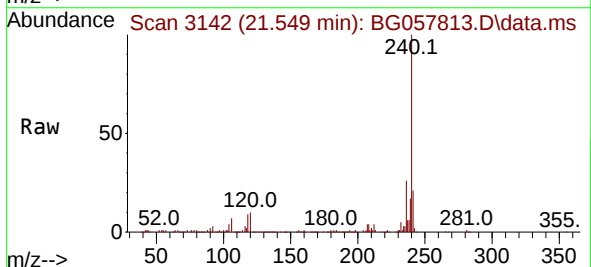
Instrument :
BNA_G
ClientSampleId :
MW-4

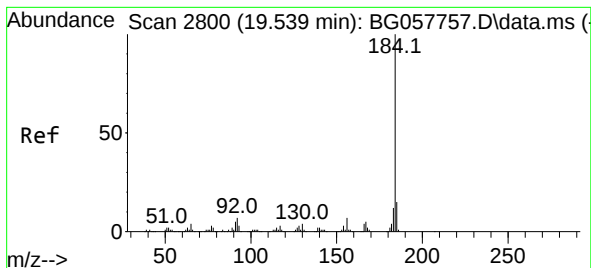
Tgt Ion:248 Resp: 13835
Ion Ratio Lower Upper
248 100
250 200.6 81.1 121.7#
141 420.6 54.6 81.8#



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.549 min Scan# 3142
Delta R.T. -0.012 min
Lab File: BG057813.D
Acq: 22 Jun 2023 17:14

Tgt Ion:240 Resp: 228040
Ion Ratio Lower Upper
240 100
120 10.1 8.1 12.1
236 25.8 20.6 30.8





#77

Benzidine

Concen: 2.567 ng

RT: 19.915 min Scan# 2864

Delta R.T. 0.376 min

Lab File: BG057813.D

Acq: 22 Jun 2023 17:14

Instrument :

BNA_G

ClientSampleId :

MW-4

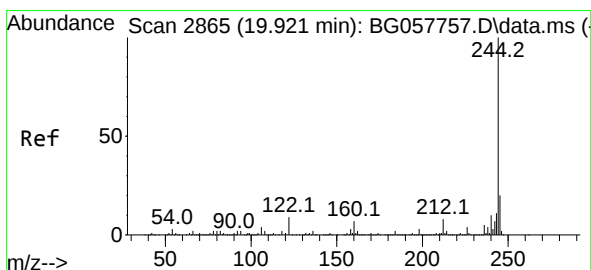
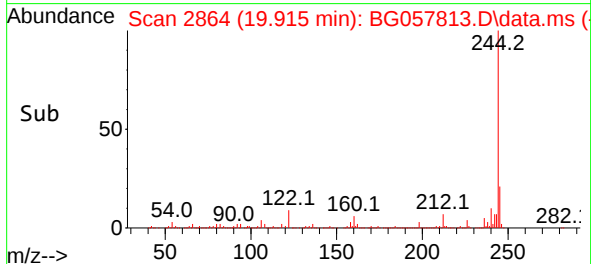
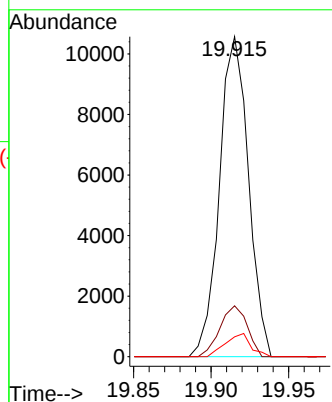
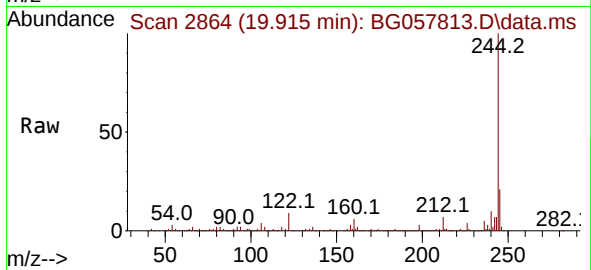
Tgt Ion:184 Resp: 13723

Ion Ratio Lower Upper

184 100

185 15.9 12.0 18.0

183 6.2 9.4 14.0#



#79

Terphenyl-d14

Concen: 84.030 ng

RT: 19.915 min Scan# 2864

Delta R.T. -0.006 min

Lab File: BG057813.D

Acq: 22 Jun 2023 17:14

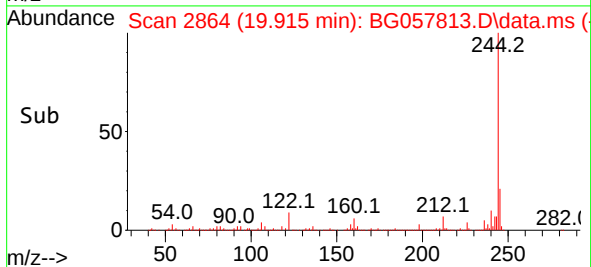
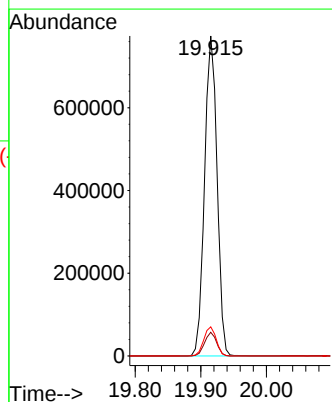
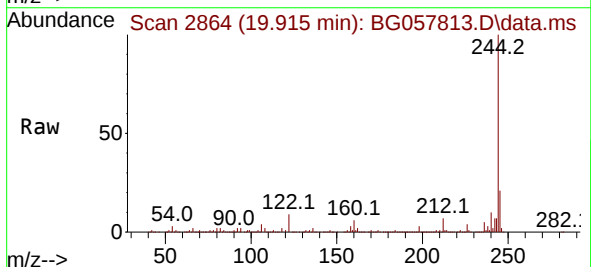
Tgt Ion:244 Resp: 1027651

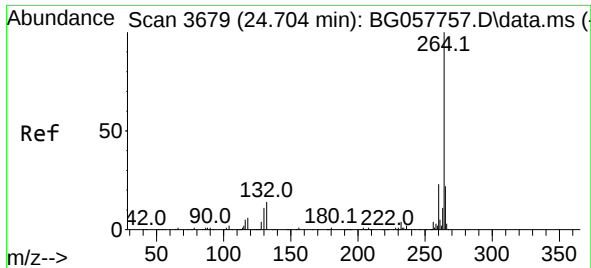
Ion Ratio Lower Upper

244 100

212 7.4 6.1 9.1

122 9.1 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: BG057813.D
Acq: 22 Jun 2023 17:14

Instrument :
BNA_G
ClientSampleId :
MW-4

Tgt Ion:264 Resp: 276515

Ion	Ratio	Lower	Upper
264	100		
260	23.1	18.5	27.7
265	20.9	17.4	26.2

