

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG062223\
 Data File : BG057812.D
 Acq On : 22 Jun 2023 16:32
 Operator : CG/JU
 Sample : 03238-03
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 PMW-2

Quant Time: Jun 22 17:13:23 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)

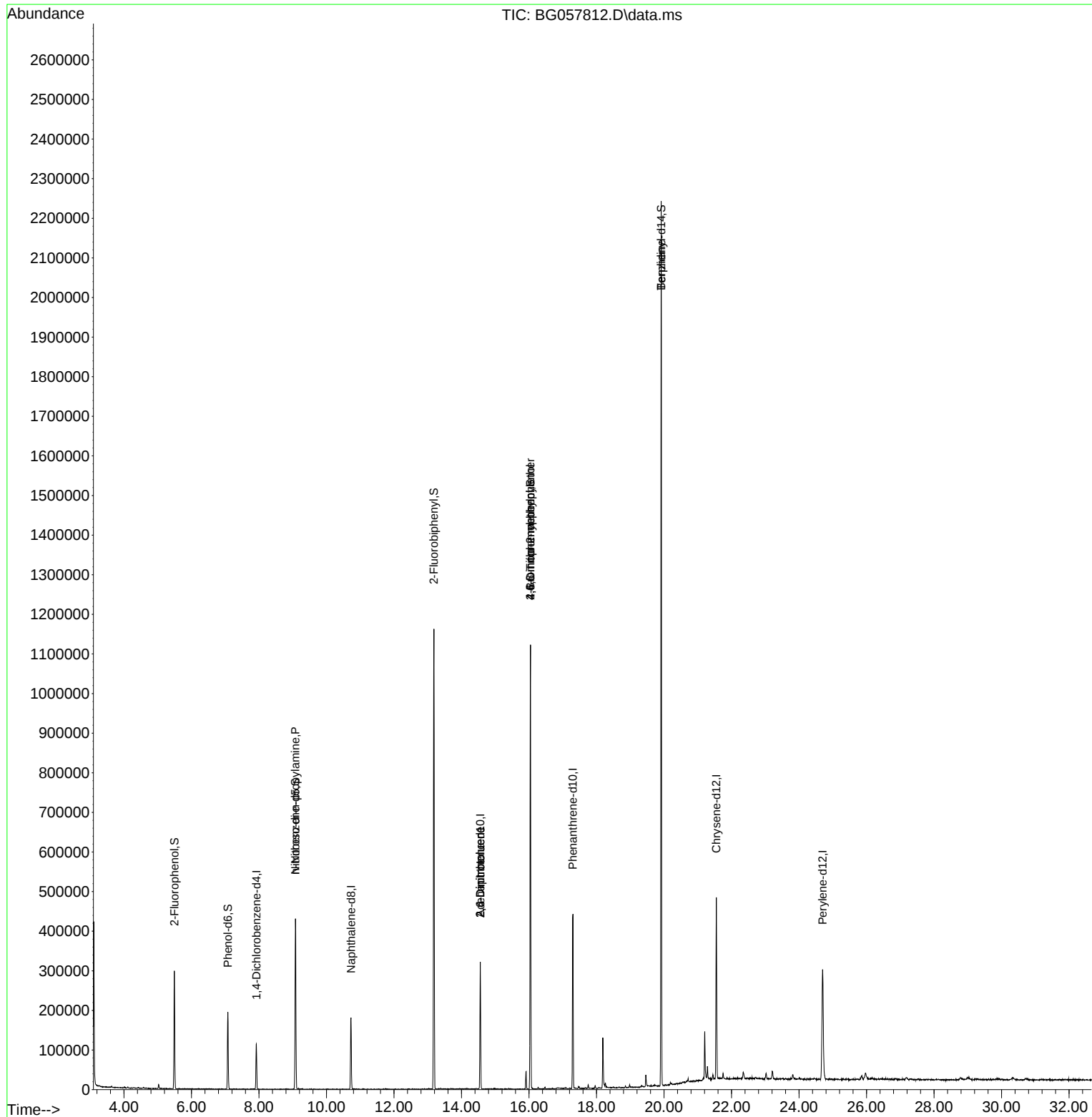
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.923	152	31579	20.000	ng	0.00
21) Naphthalene-d8	10.725	136	151088	20.000	ng	0.00
39) Acenaphthene-d10	14.556	164	113330	20.000	ng	0.00
64) Phenanthrene-d10	17.300	188	285343	20.000	ng	0.00
76) Chrysene-d12	21.548	240	250381	20.000	ng	-0.01
86) Perylene-d12	24.697	264	305424	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.490	112	123692	60.395	ng	0.00
7) Phenol-d6	7.076	99	112518	36.006	ng	-0.01
23) Nitrobenzene-d5	9.080	82	258130	87.685	ng	-0.01
42) 2,4,6-Tribromophenol	16.042	330	229242	145.211	ng	0.00
45) 2-Fluorobiphenyl	13.181	172	625634	83.731	ng	0.00
79) Terphenyl-d14	19.914	244	1110495	82.702	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propyla...	9.080	70	31621	14.514	ng	# 78
51) 2,6-Dinitrotoluene	14.556	165	14517	9.057	ng	# 20
57) 2,4-Dinitrotoluene	14.556	165	14517	6.679	ng	# 20
65) 4,6-Dinitro-2-methylph...	16.042	198	520	5.664	ng	# 1
67) 4-Bromophenyl-phenylether	16.042	248	14930	4.934	ng	# 1
77) Benzidine	19.914	184	14482	2.467	ng	# 92

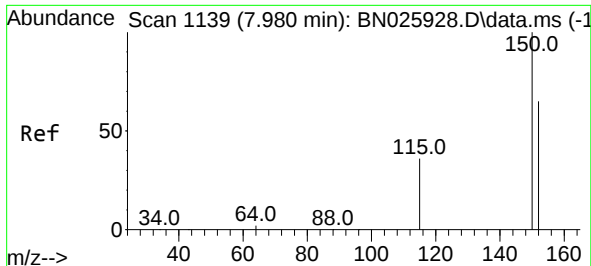
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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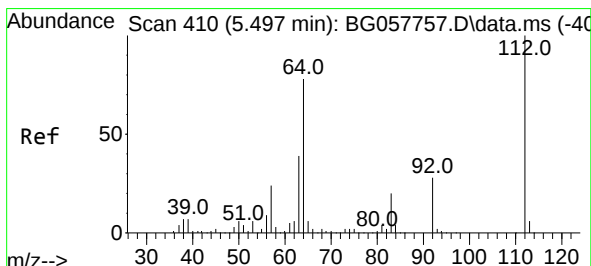
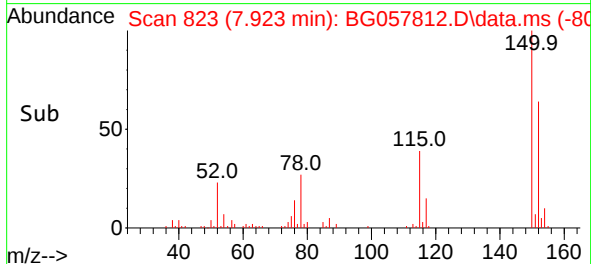
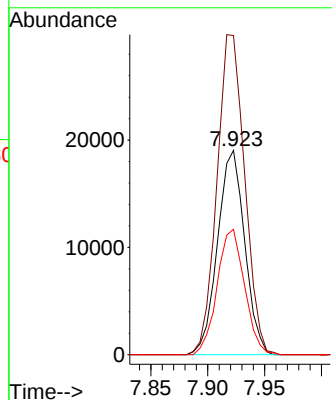
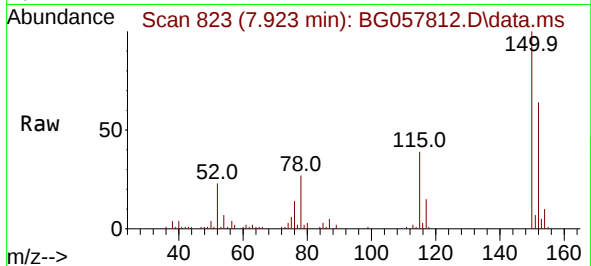




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.923 min Scan# 81
Delta R.T. -0.006 min
Lab File: BG057812.D
Acq: 22 Jun 2023 16:32

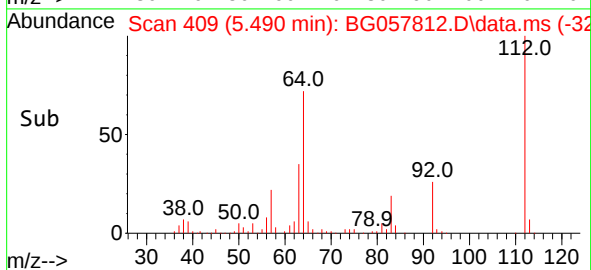
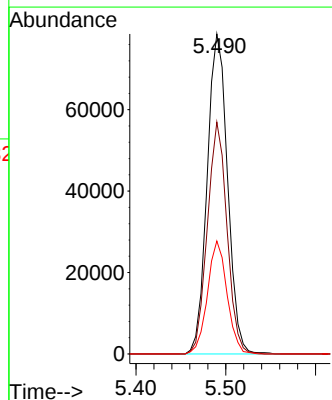
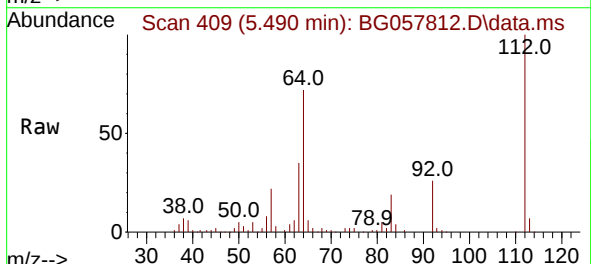
Instrument :
BNA_G
ClientSampleId :
PMW-2

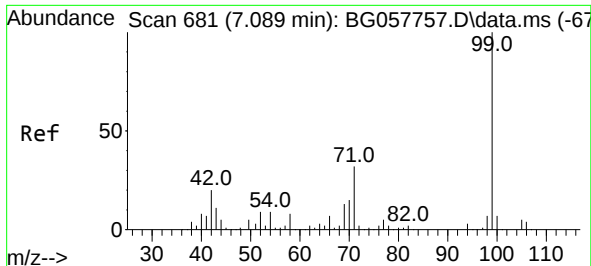
Tgt Ion:152 Resp: 31579
Ion Ratio Lower Upper
152 100
150 156.3 126.6 189.8
115 61.4 48.9 73.3



#5
2-Fluorophenol
Concen: 60.395 ng
RT: 5.490 min Scan# 409
Delta R.T. -0.007 min
Lab File: BG057812.D
Acq: 22 Jun 2023 16:32

Tgt Ion:112 Resp: 123692
Ion Ratio Lower Upper
112 100
64 72.4 62.1 93.1
63 35.3 31.5 47.3

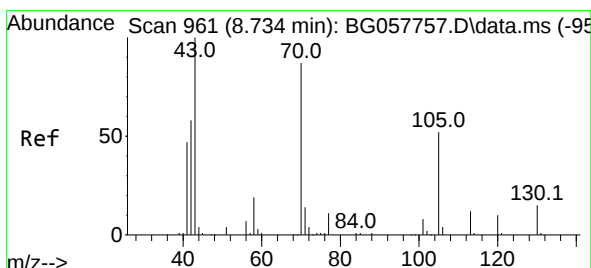
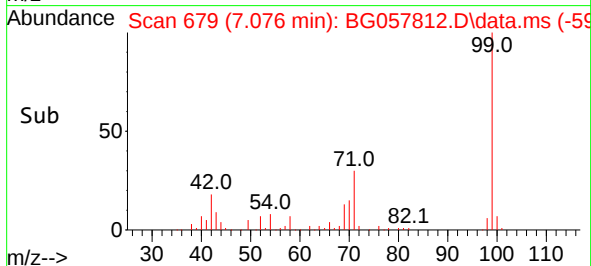
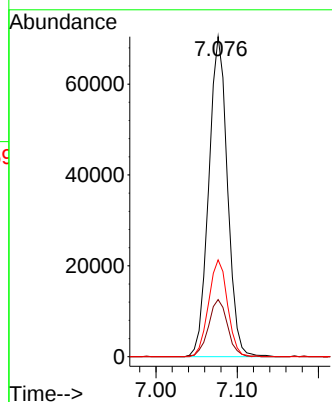
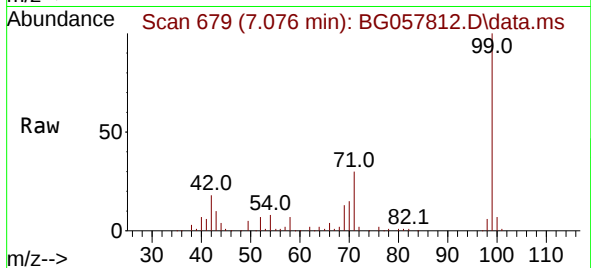




#7
Phenol-d6
Concen: 36.006 ng
RT: 7.076 min Scan# 61
Delta R.T. -0.013 min
Lab File: BG057812.D
Acq: 22 Jun 2023 16:32

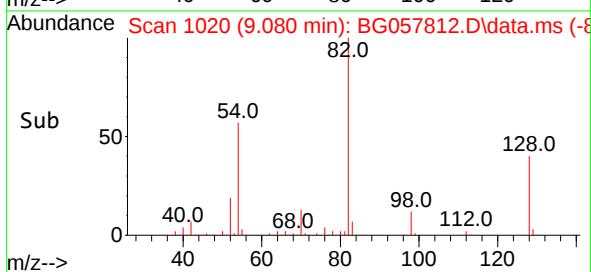
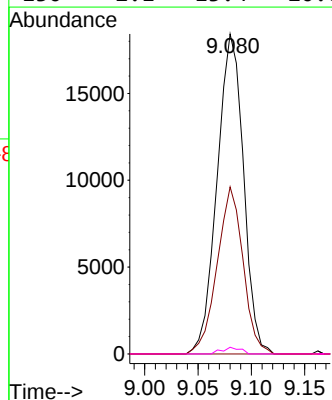
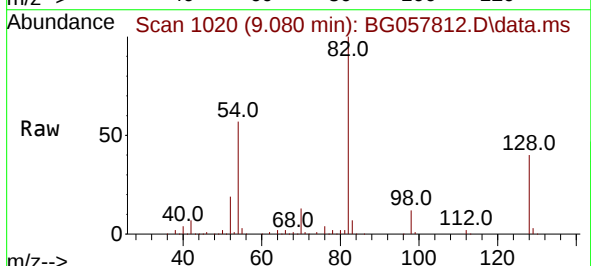
Instrument :
BNA_G
ClientSampleId :
PMW-2

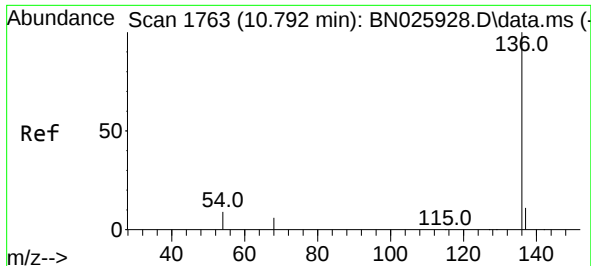
Tgt Ion: 99 Resp: 112518
Ion Ratio Lower Upper
99 100
42 17.9 16.4 24.6
71 30.2 25.8 38.6



#19
n-Nitroso-di-n-propylamine
Concen: 14.514 ng
RT: 9.080 min Scan# 1020
Delta R.T. 0.346 min
Lab File: BG057812.D
Acq: 22 Jun 2023 16:32

Tgt Ion: 70 Resp: 31621
Ion Ratio Lower Upper
70 100
42 52.2 54.2 81.2#
101 0.0 7.4 11.0#
130 2.1 13.4 20.0#

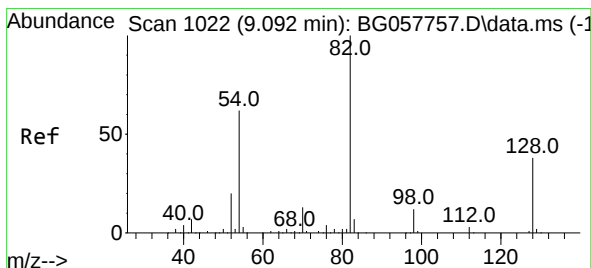
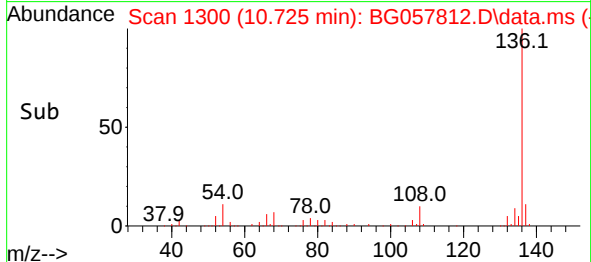
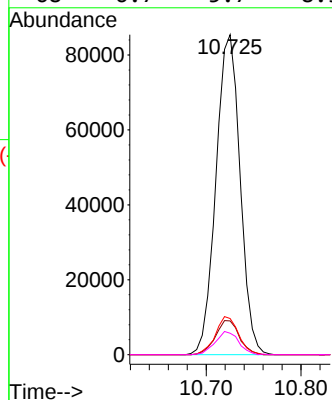
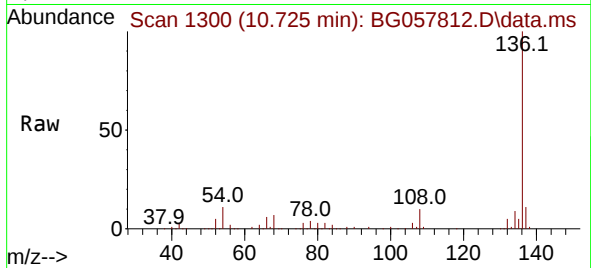




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.725 min Scan# 11
Delta R.T. -0.007 min
Lab File: BG057812.D
Acq: 22 Jun 2023 16:32

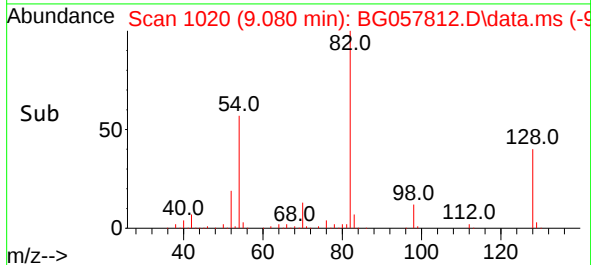
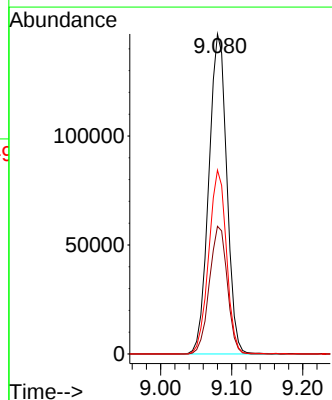
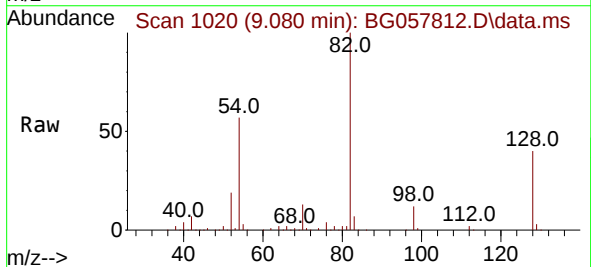
Instrument :
BNA_G
ClientSampleId :
PMW-2

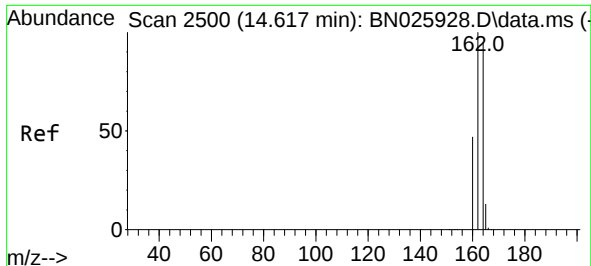
Tgt Ion:	136	Resp:	151088
Ion	Ratio	Lower	Upper
136	100		
137	10.5	8.5	12.7
54	11.3	9.5	14.3
68	6.7	5.7	8.5



#23
Nitrobenzene-d5
Concen: 87.685 ng
RT: 9.080 min Scan# 1020
Delta R.T. -0.013 min
Lab File: BG057812.D
Acq: 22 Jun 2023 16:32

Tgt Ion:	82	Resp:	258130
Ion	Ratio	Lower	Upper
82	100		
128	39.9	30.7	46.1
54	57.5	49.6	74.4

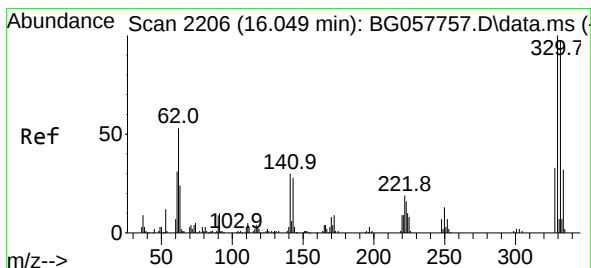
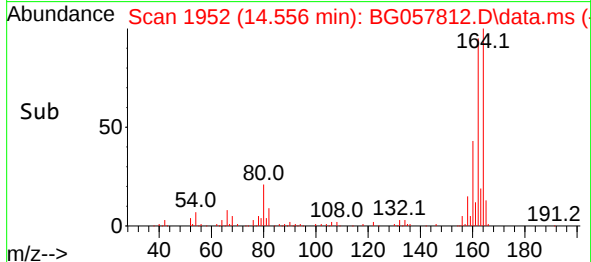
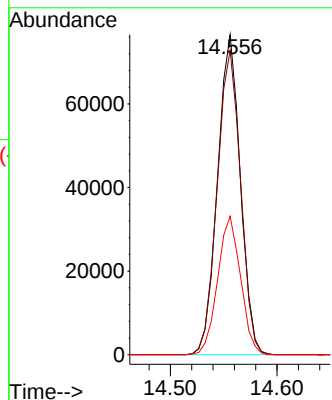
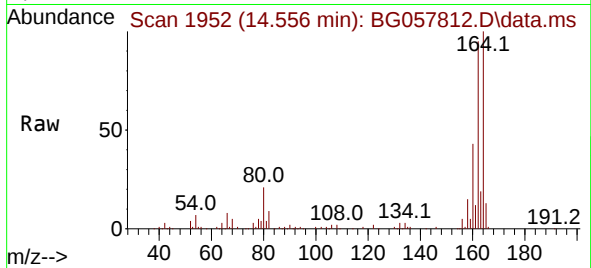




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.556 min Scan# 1952
Delta R.T. -0.007 min
Lab File: BG057812.D
Acq: 22 Jun 2023 16:32

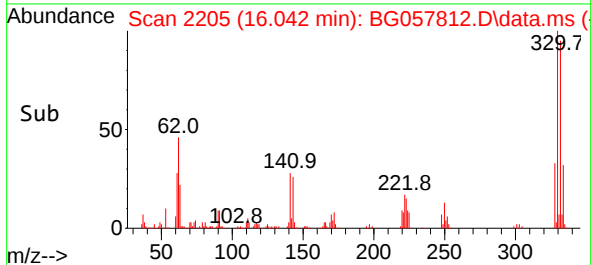
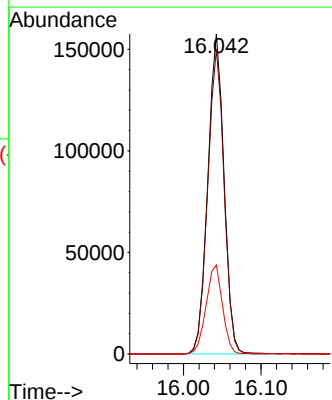
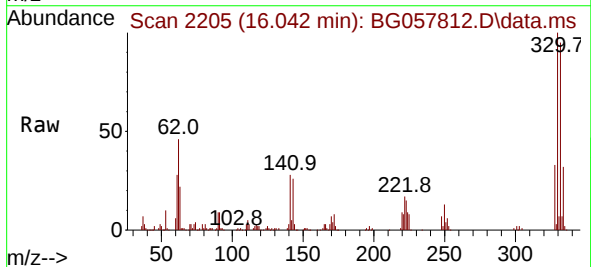
Instrument :
BNA_G
ClientSampleId :
PMW-2

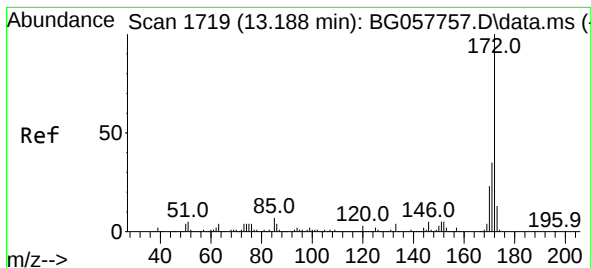
Tgt Ion:164 Resp: 113330
Ion Ratio Lower Upper
164 100
162 95.1 78.3 117.5
160 43.3 35.4 53.0



#42
2,4,6-Tribromophenol
Concen: 145.211 ng
RT: 16.042 min Scan# 2205
Delta R.T. -0.007 min
Lab File: BG057812.D
Acq: 22 Jun 2023 16:32

Tgt Ion:330 Resp: 229242
Ion Ratio Lower Upper
330 100
332 95.8 76.6 115.0
141 28.0 24.7 37.1





#45

2-Fluorobiphenyl

Concen: 83.731 ng

RT: 13.181 min Scan# 11

Delta R.T. -0.007 min

Lab File: BG057812.D

Acq: 22 Jun 2023 16:32

Instrument :

BNA_G

ClientSampleId :

PMW-2

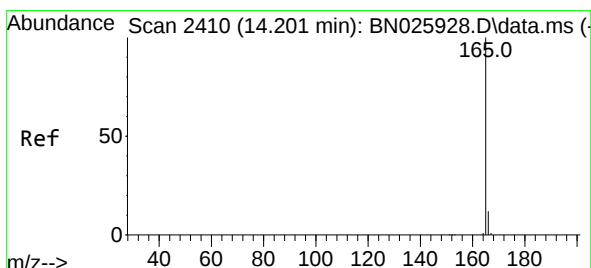
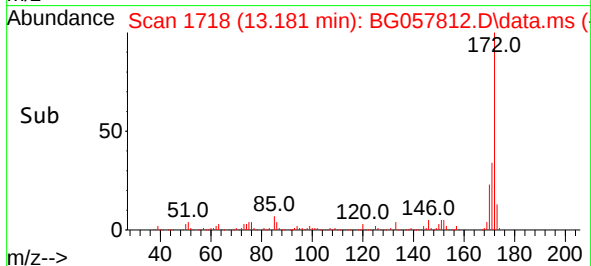
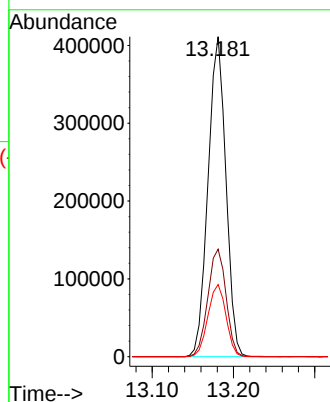
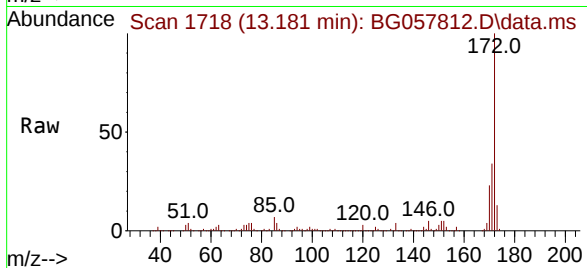
Tgt Ion:172 Resp: 625634

Ion Ratio Lower Upper

172 100

171 33.6 28.1 42.1

170 22.6 18.6 27.8



#51

2,6-Dinitrotoluene

Concen: 9.057 ng

RT: 14.556 min Scan# 1952

Delta R.T. 0.422 min

Lab File: BG057812.D

Acq: 22 Jun 2023 16:32

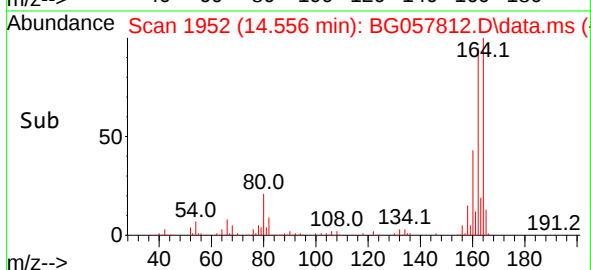
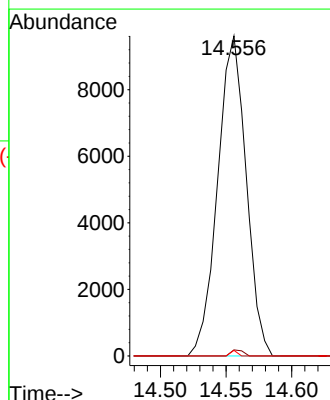
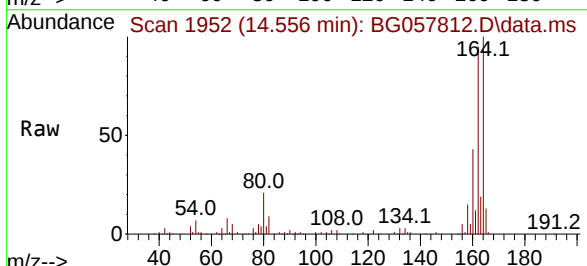
Tgt Ion:165 Resp: 14517

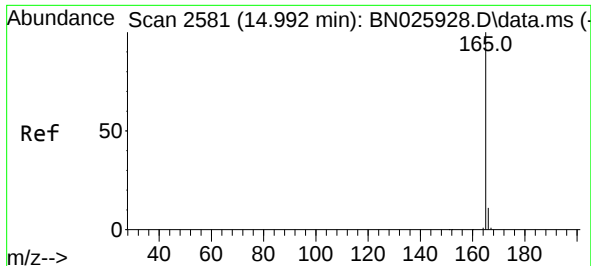
Ion Ratio Lower Upper

165 100

63 1.9 52.8 79.2#

89 1.8 50.7 76.1#





#57

2,4-Dinitrotoluene

Concen: 6.679 ng

RT: 14.556 min Scan# 1419

Delta R.T. -0.365 min

Lab File: BG057812.D

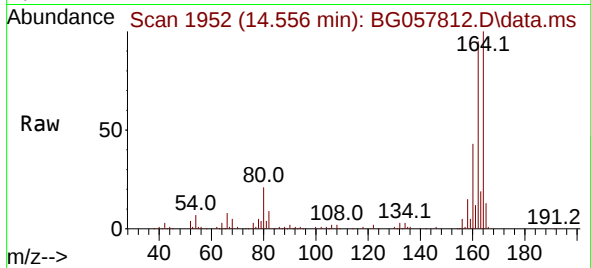
Acq: 22 Jun 2023 16:32

Instrument :

BNA_G

ClientSampleId :

PMW-2



Tgt Ion:165 Resp: 14517

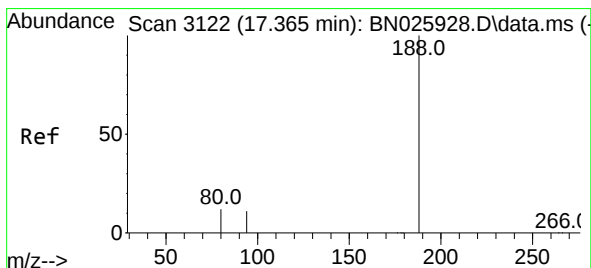
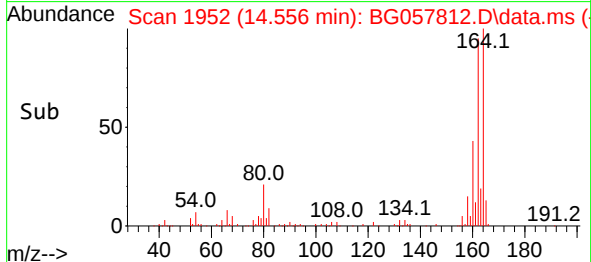
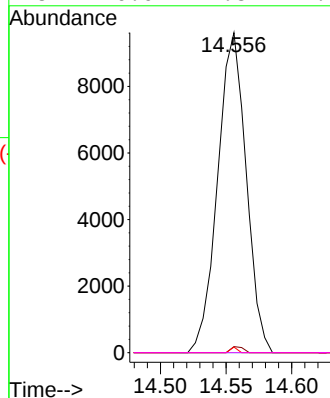
Ion Ratio Lower Upper

165 100

63 1.9 38.6 58.0#

89 1.8 63.7 95.5#

182 0.0 1.8 2.6#



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.300 min Scan# 2419

Delta R.T. -0.007 min

Lab File: BG057812.D

Acq: 22 Jun 2023 16:32

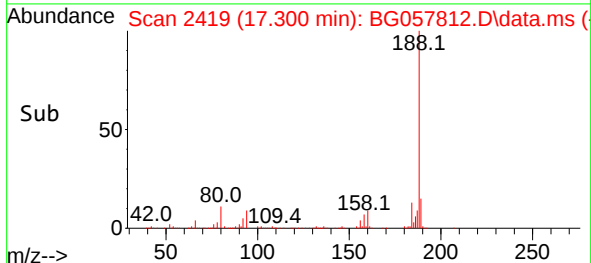
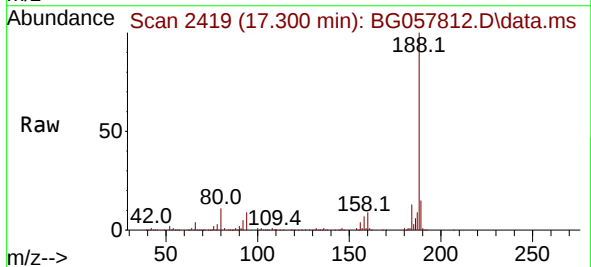
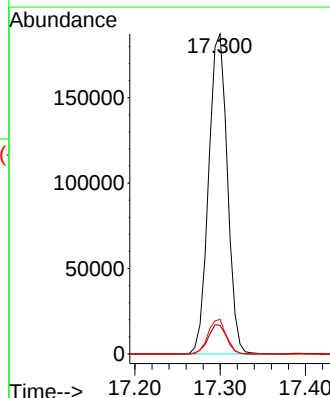
Tgt Ion:188 Resp: 285343

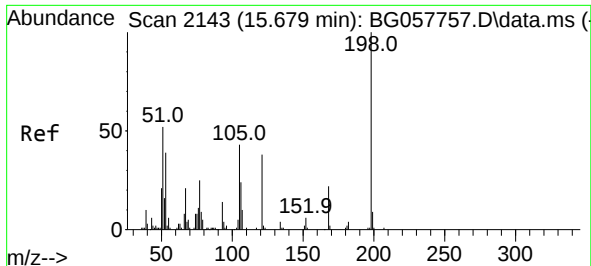
Ion Ratio Lower Upper

188 100

94 8.9 6.6 9.8

80 10.8 7.6 11.4

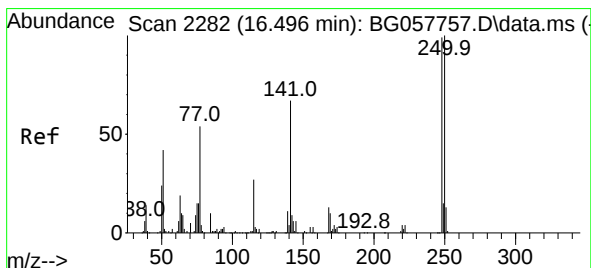
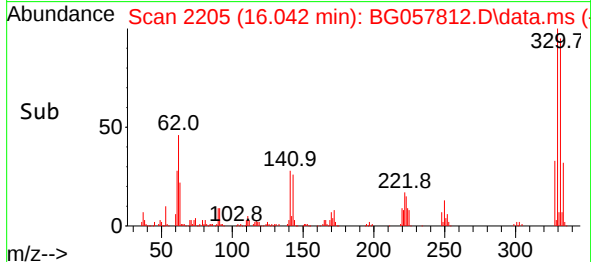
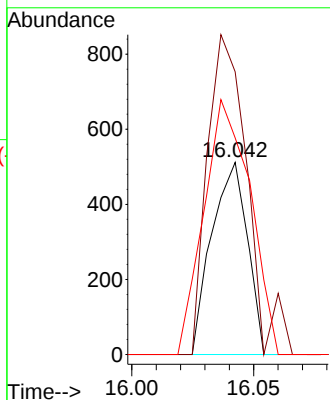
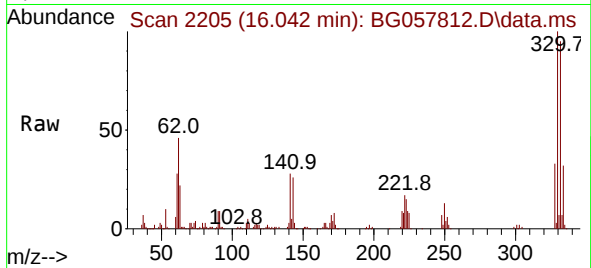




#65
4,6-Dinitro-2-methylphenol
Concen: 5.664 ng
RT: 16.042 min Scan# 2143
Delta R.T. 0.363 min
Lab File: BG057812.D
Acq: 22 Jun 2023 16:32

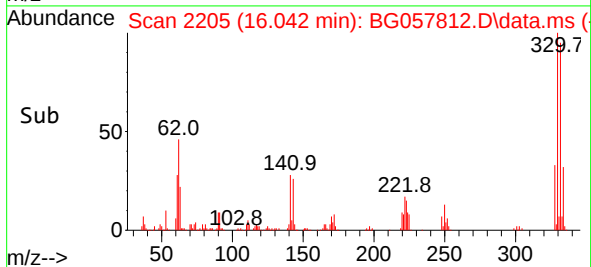
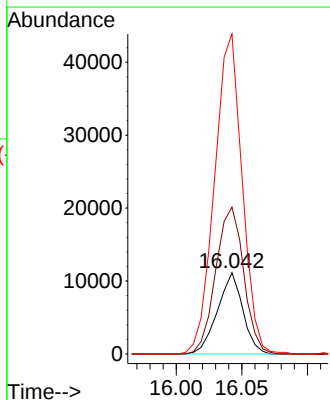
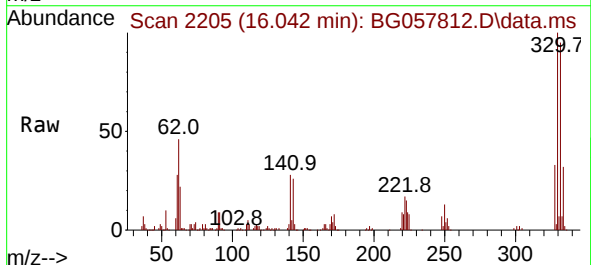
Instrument :
BNA_G
ClientSampleId :
PMW-2

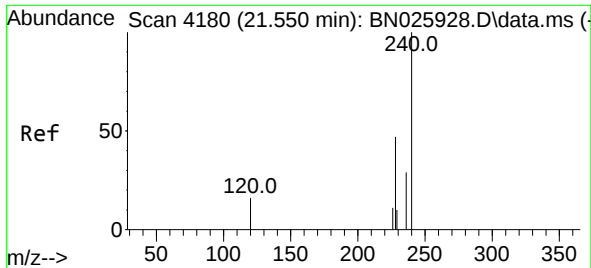
Tgt Ion:198 Resp: 520
Ion Ratio Lower Upper
198 100
51 147.1 36.6 76.6#
105 112.7 24.3 64.3#



#67
4-Bromophenyl-phenylether
Concen: 4.934 ng
RT: 16.042 min Scan# 2205
Delta R.T. -0.453 min
Lab File: BG057812.D
Acq: 22 Jun 2023 16:32

Tgt Ion:248 Resp: 14930
Ion Ratio Lower Upper
248 100
250 180.7 81.1 121.7#
141 393.8 54.6 81.8#

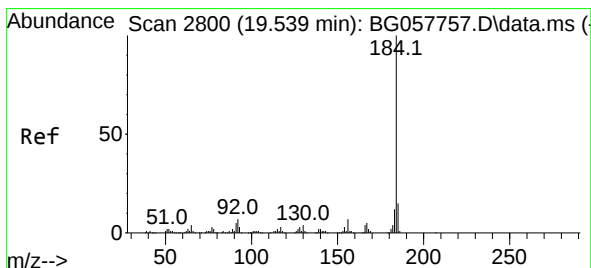
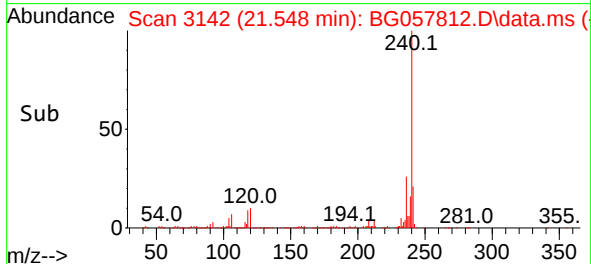
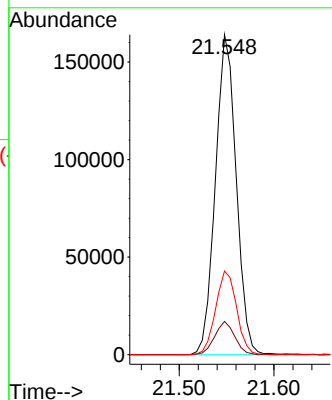
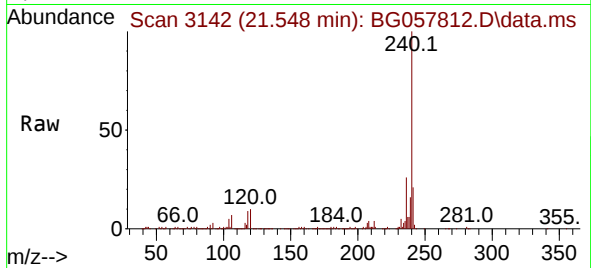




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.548 min Scan# 31
Delta R.T. -0.013 min
Lab File: BG057812.D
Acq: 22 Jun 2023 16:32

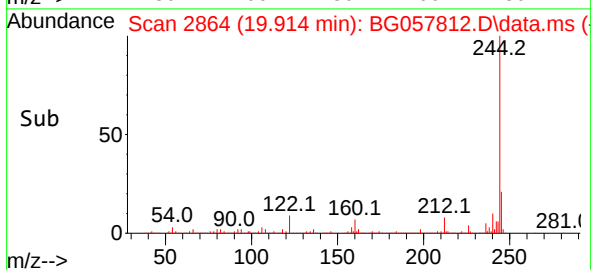
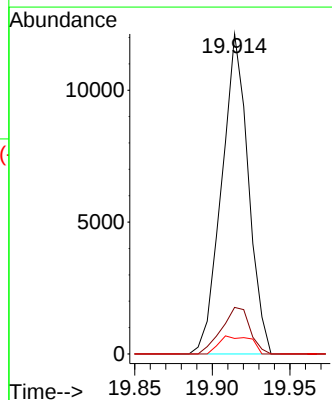
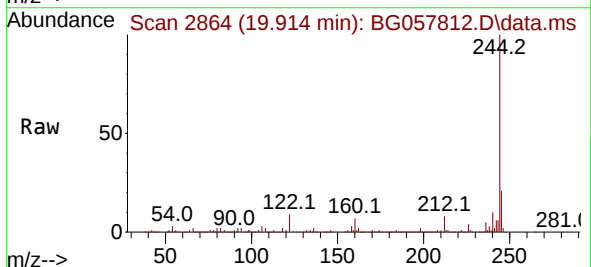
Instrument :
BNA_G
ClientSampleId :
PMW-2

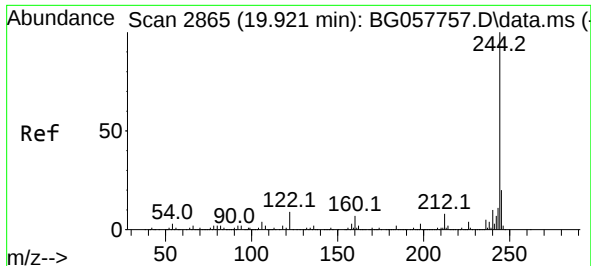
Tgt Ion:240 Resp: 250381
Ion Ratio Lower Upper
240 100
120 10.4 8.1 12.1
236 26.1 20.6 30.8



#77
Benzidine
Concen: 2.467 ng
RT: 19.914 min Scan# 2864
Delta R.T. 0.375 min
Lab File: BG057812.D
Acq: 22 Jun 2023 16:32

Tgt Ion:184 Resp: 14482
Ion Ratio Lower Upper
184 100
185 14.5 12.0 18.0
183 4.9 9.4 14.0#

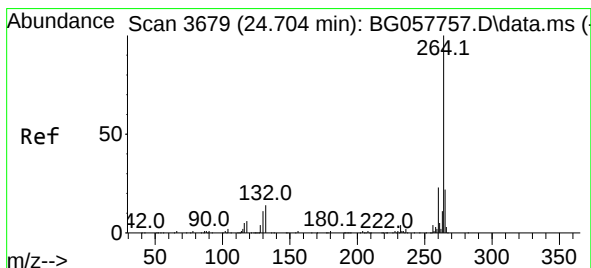
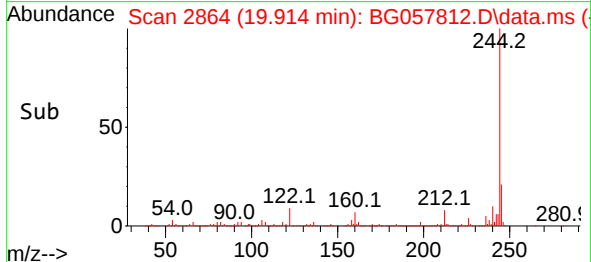
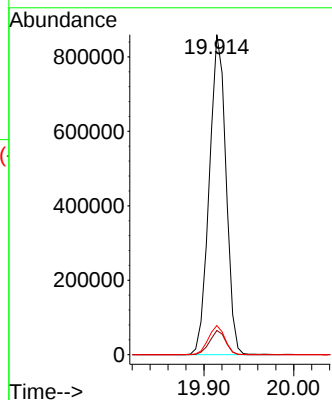
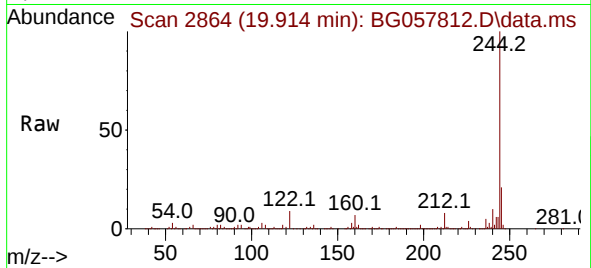




#79
 Terphenyl-d14
 Concen: 82.702 ng
 RT: 19.914 min Scan# 21
 Delta R.T. -0.007 min
 Lab File: BG057812.D
 Acq: 22 Jun 2023 16:32

Instrument :
 BNA_G
 ClientSampleId :
 PMW-2

Tgt Ion:244 Resp: 1110495
 Ion Ratio Lower Upper
 244 100
 212 7.5 6.1 9.1
 122 9.1 7.6 11.4



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 24.697 min Scan# 3678
 Delta R.T. -0.007 min
 Lab File: BG057812.D
 Acq: 22 Jun 2023 16:32

Tgt Ion:264 Resp: 305424
 Ion Ratio Lower Upper
 264 100
 260 22.7 18.5 27.7
 265 21.9 17.4 26.2

