

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG062323\
 Data File : BG057837.D
 Acq On : 23 Jun 2023 11:19
 Operator : CG/JU
 Sample : 03238-01
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 PMW-1

Quant Time: Jun 23 12:14:33 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)

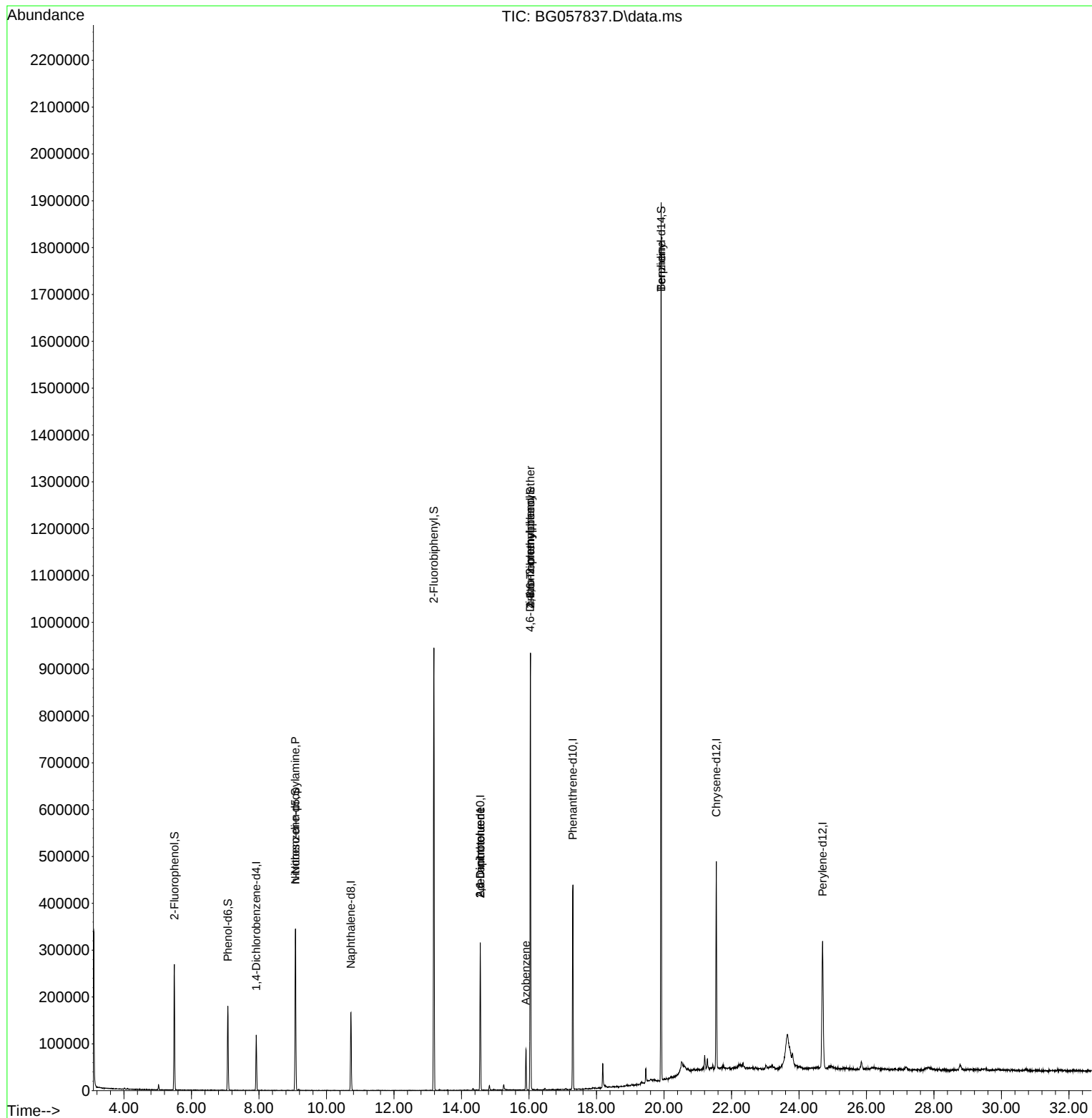
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.918	152	32334	20.000	ng	-0.01
21) Naphthalene-d8	10.721	136	141590	20.000	ng	-0.01
39) Acenaphthene-d10	14.558	164	108765	20.000	ng	0.00
64) Phenanthrene-d10	17.301	188	281121	20.000	ng	0.00
76) Chrysene-d12	21.549	240	242257	20.000	ng	-0.01
86) Perylene-d12	24.699	264	295150	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.492	112	111123	52.991	ng	0.00
7) Phenol-d6	7.078	99	105564	32.992	ng	-0.01
23) Nitrobenzene-d5	9.082	82	207416	75.184	ng	-0.01
42) 2,4,6-Tribromophenol	16.044	330	196240	129.524	ng	0.00
45) 2-Fluorobiphenyl	13.183	172	503522	70.217	ng	0.00
79) Terphenyl-d14	19.916	244	946660	72.865	ng	0.00
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	9.082	70	25088	11.246	ng	# 77
51) 2,6-Dinitrotoluene	14.558	165	14019	9.113	ng	# 18
57) 2,4-Dinitrotoluene	14.558	165	14019	6.720	ng	# 18
63) Azobenzene	15.909	77	26318	3.002	ng	# 1
65) 4,6-Dinitro-2-methylph...	16.038	198	346	5.550	ng	# 1
67) 4-Bromophenyl-phenylether	16.044	248	12554	4.211	ng	# 1
77) Benizidine	19.916	184	12180	2.145	ng	# 93

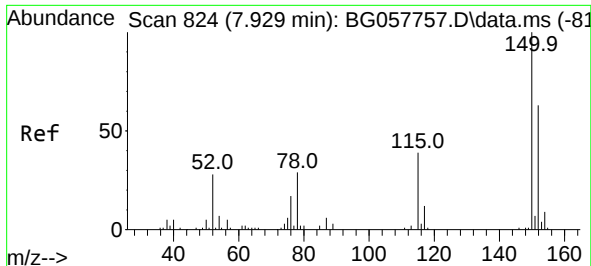
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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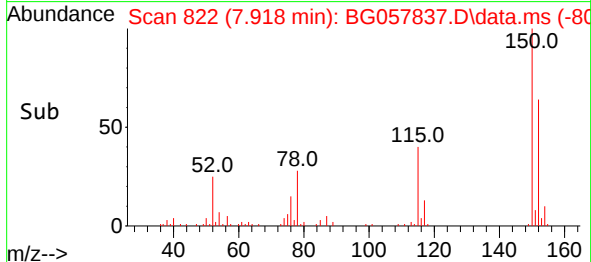
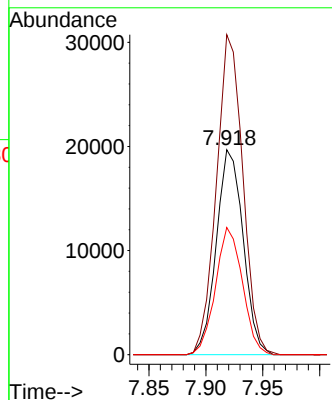
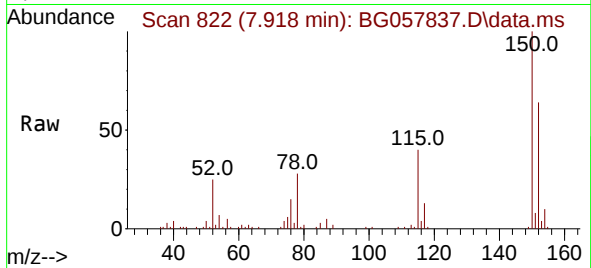




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.918 min Scan# 81
Delta R.T. -0.011 min
Lab File: BG057837.D
Acq: 23 Jun 2023 11:19

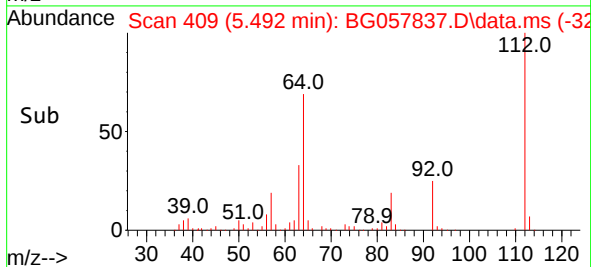
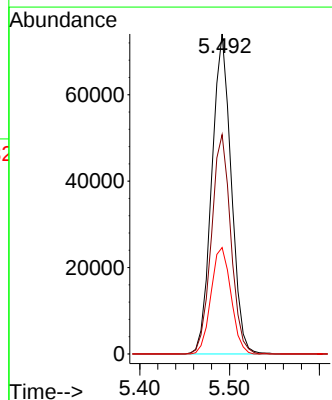
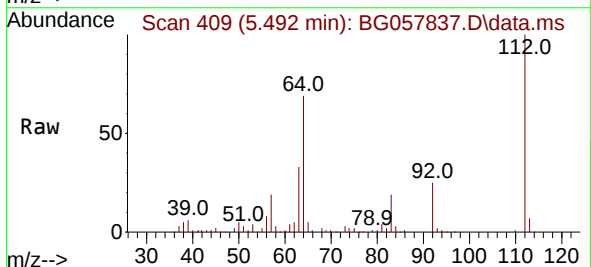
Instrument :
BNA_G
ClientSampleId :
PMW-1

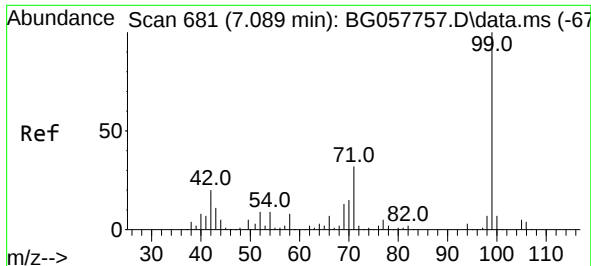
Tgt Ion:152 Resp: 32334
Ion Ratio Lower Upper
152 100
150 156.2 126.6 189.8
115 62.1 48.9 73.3



#5
2-Fluorophenol
Concen: 52.991 ng
RT: 5.492 min Scan# 409
Delta R.T. -0.005 min
Lab File: BG057837.D
Acq: 23 Jun 2023 11:19

Tgt Ion:112 Resp: 111123
Ion Ratio Lower Upper
112 100
64 68.6 62.1 93.1
63 33.3 31.5 47.3

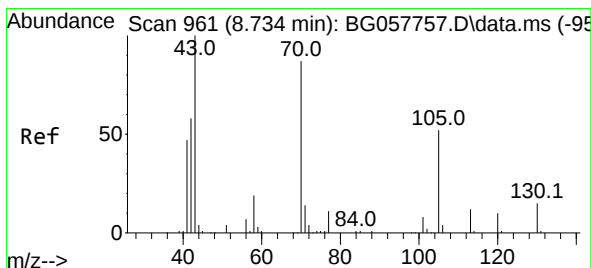
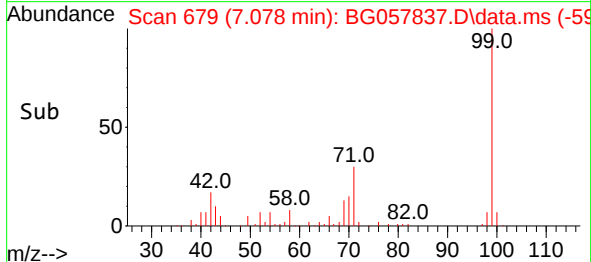
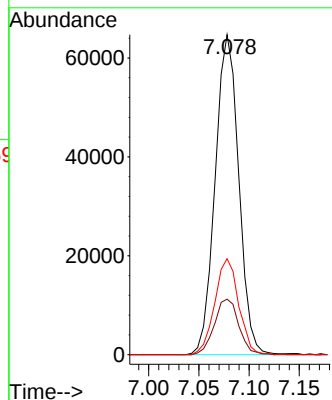
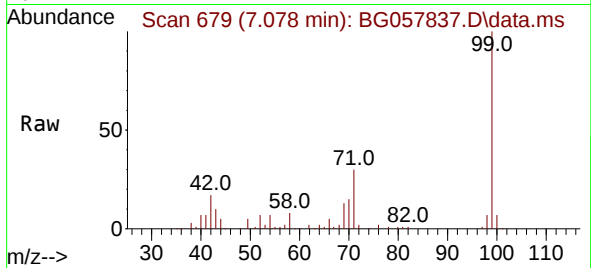




#7
Phenol-d6
Concen: 32.992 ng
RT: 7.078 min Scan# 61
Delta R.T. -0.011 min
Lab File: BG057837.D
Acq: 23 Jun 2023 11:19

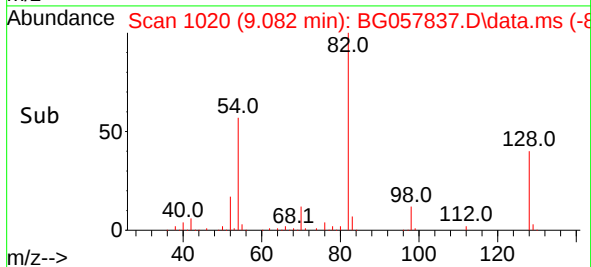
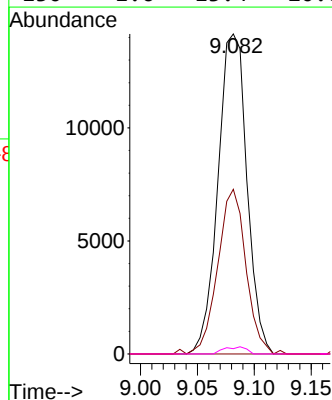
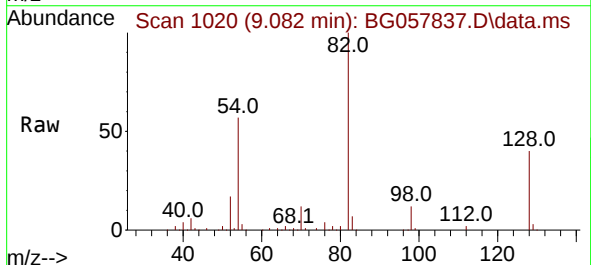
Instrument :
BNA_G
ClientSampleId :
PMW-1

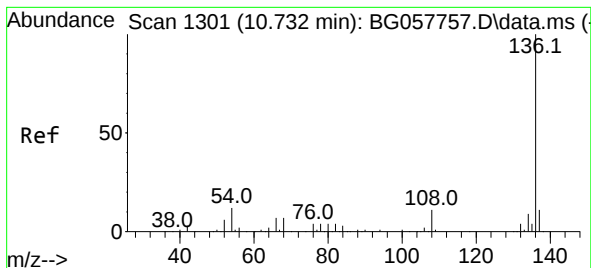
Tgt Ion: 99 Resp: 105564
Ion Ratio Lower Upper
99 100
42 17.4 16.4 24.6
71 30.0 25.8 38.6



#19
n-Nitroso-di-n-propylamine
Concen: 11.246 ng
RT: 9.082 min Scan# 1020
Delta R.T. 0.348 min
Lab File: BG057837.D
Acq: 23 Jun 2023 11:19

Tgt Ion: 70 Resp: 25088
Ion Ratio Lower Upper
70 100
42 51.4 54.2 81.2#
101 0.0 7.4 11.0#
130 1.6 13.4 20.0#

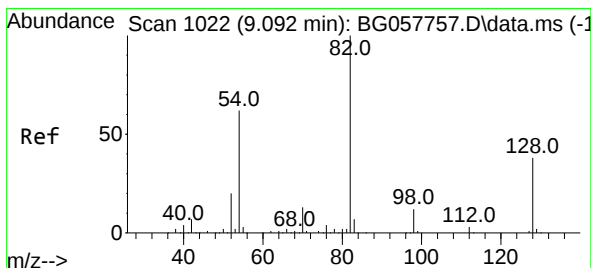
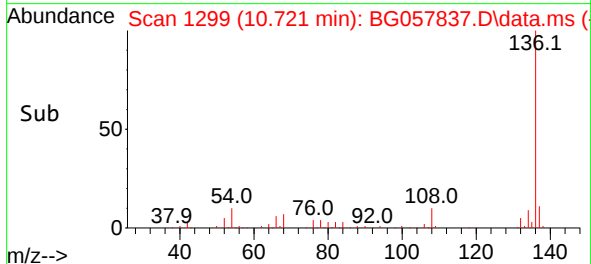
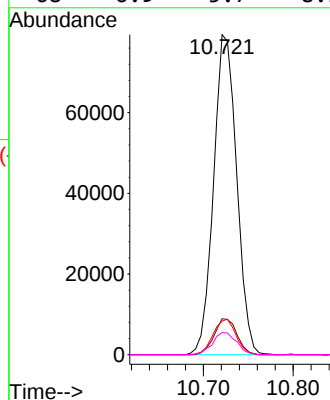
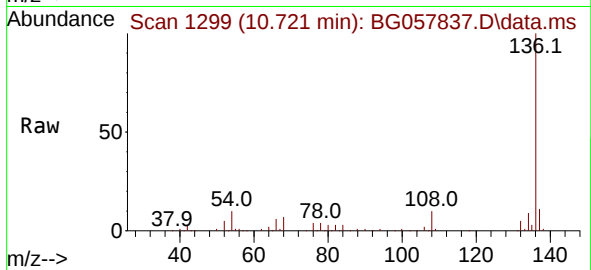




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.721 min Scan# 11
Delta R.T. -0.011 min
Lab File: BG057837.D
Acq: 23 Jun 2023 11:19

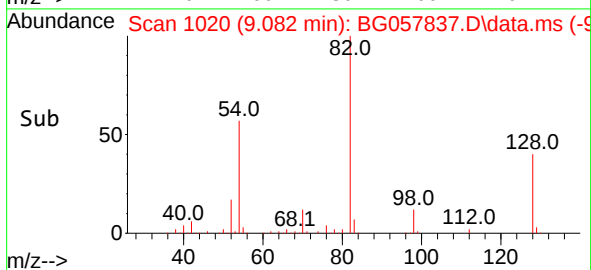
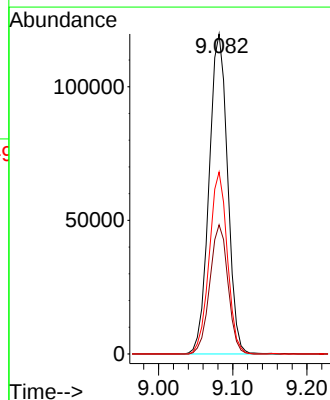
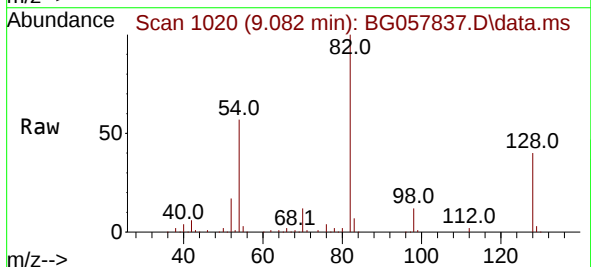
Instrument :
BNA_G
ClientSampleId :
PMW-1

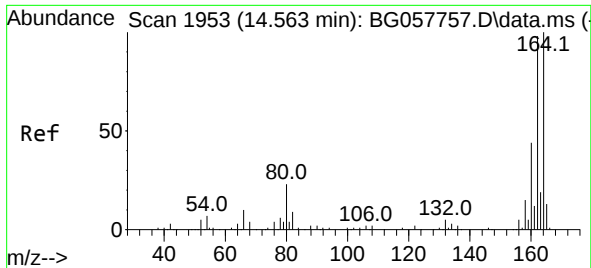
Tgt Ion:	136	Resp:	141590
Ion Ratio	Lower	Upper	
136	100		
137	11.2	8.5	12.7
54	10.5	9.5	14.3
68	6.9	5.7	8.5



#23
Nitrobenzene-d5
Concen: 75.184 ng
RT: 9.082 min Scan# 1020
Delta R.T. -0.011 min
Lab File: BG057837.D
Acq: 23 Jun 2023 11:19

Tgt Ion:	82	Resp:	207416
Ion Ratio	Lower	Upper	
82	100		
128	40.4	30.7	46.1
54	56.9	49.6	74.4

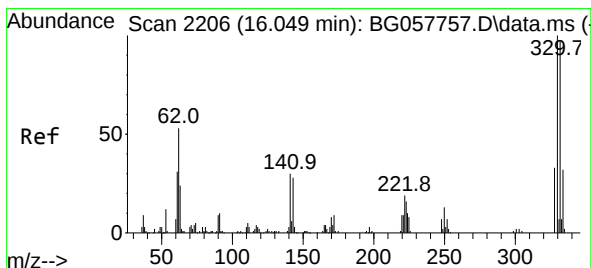
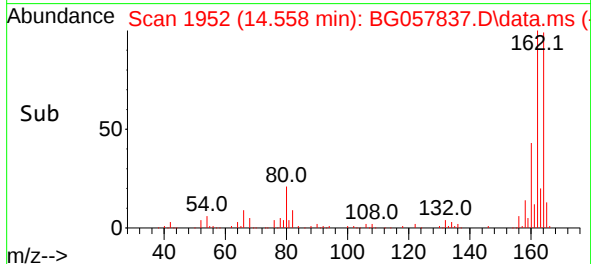
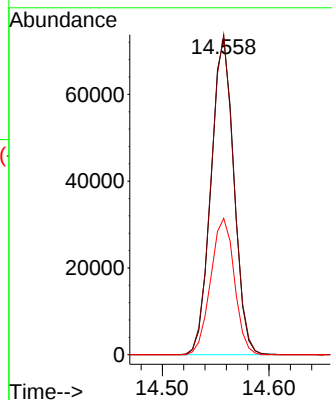
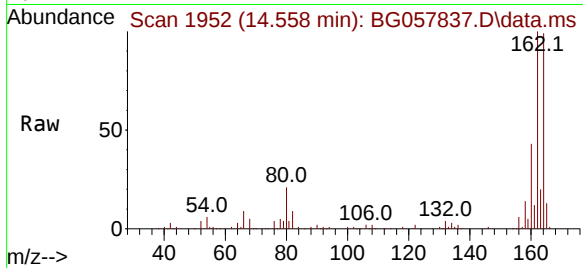




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.558 min Scan# 1952
Delta R.T. -0.005 min
Lab File: BG057837.D
Acq: 23 Jun 2023 11:19

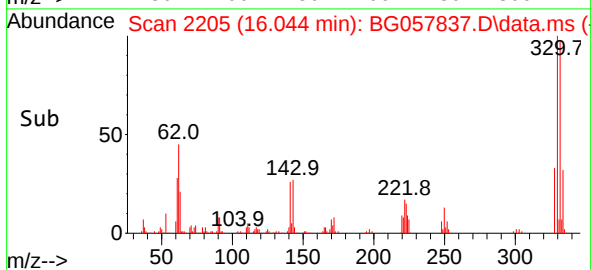
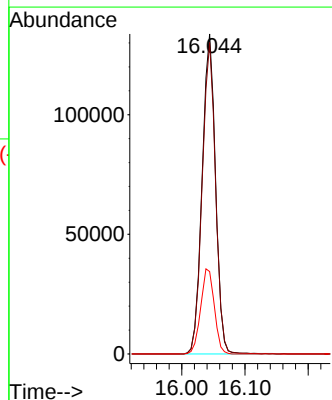
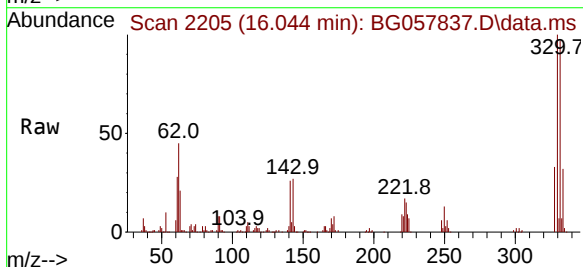
Instrument :
BNA_G
ClientSampleId :
PMW-1

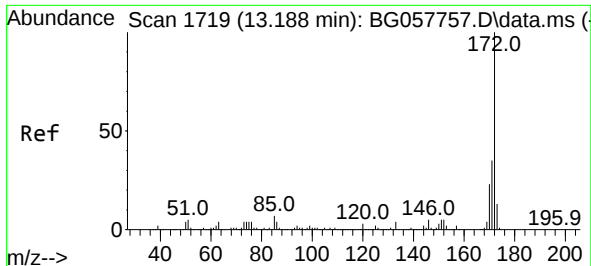
Tgt Ion:164 Resp: 108765
Ion Ratio Lower Upper
164 100
162 101.2 78.3 117.5
160 43.1 35.4 53.0



#42
2,4,6-Tribromophenol
Concen: 129.524 ng
RT: 16.044 min Scan# 2205
Delta R.T. -0.005 min
Lab File: BG057837.D
Acq: 23 Jun 2023 11:19

Tgt Ion:330 Resp: 196240
Ion Ratio Lower Upper
330 100
332 96.9 76.6 115.0
141 27.0 24.7 37.1

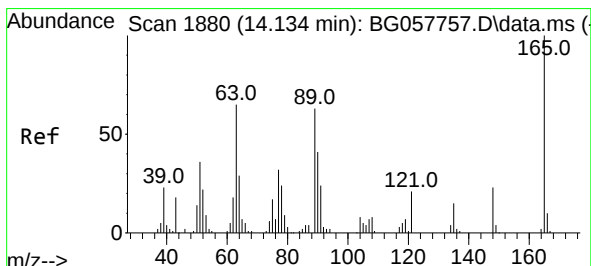
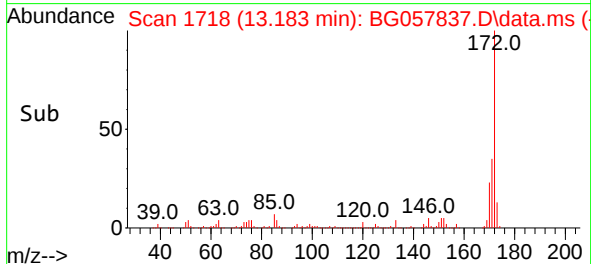
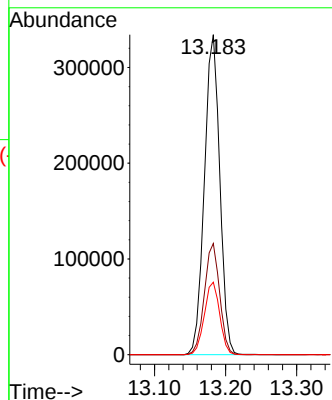
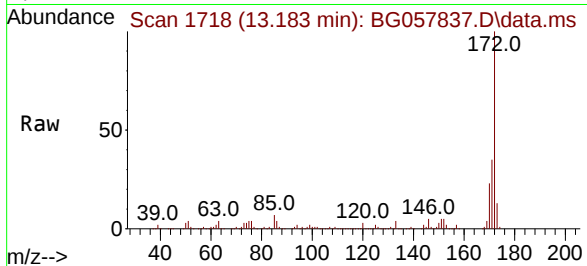




#45
2-Fluorobiphenyl
Concen: 70.217 ng
RT: 13.183 min Scan# 11
Delta R.T. -0.005 min
Lab File: BG057837.D
Acq: 23 Jun 2023 11:19

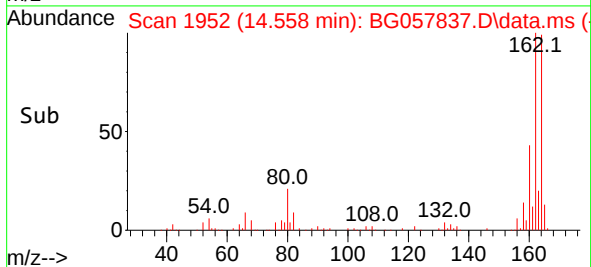
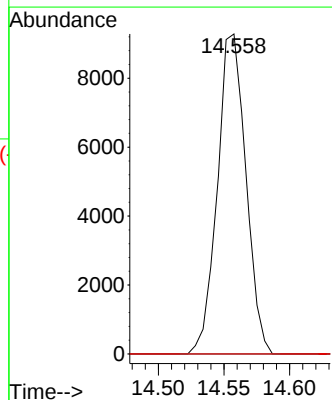
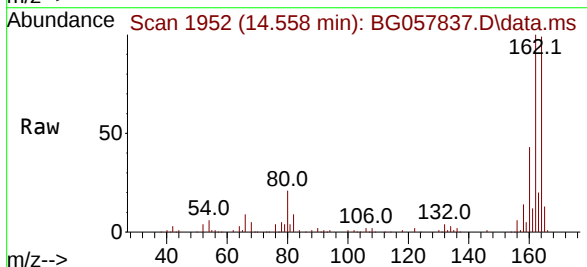
Instrument :
BNA_G
ClientSampleId :
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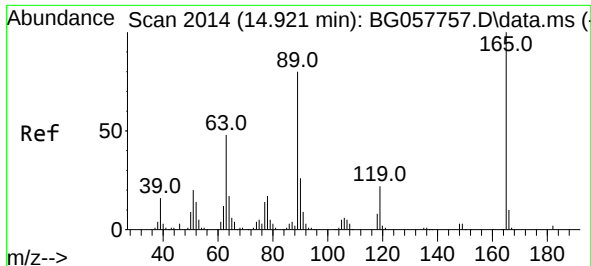
Tgt Ion:172 Resp: 503522
Ion Ratio Lower Upper
172 100
171 34.8 28.1 42.1
170 22.6 18.6 27.8



#51
2,6-Dinitrotoluene
Concen: 9.113 ng
RT: 14.558 min Scan# 1952
Delta R.T. 0.424 min
Lab File: BG057837.D
Acq: 23 Jun 2023 11:19

Tgt Ion:165 Resp: 14019
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: 6.720 ng

RT: 14.558 min Scan# 1952

Delta R.T. -0.363 min

Lab File: BG057837.D

Acq: 23 Jun 2023 11:19

Instrument :

BNA_G

ClientSampleId :

PMW-1

Tgt Ion:165 Resp: 14019

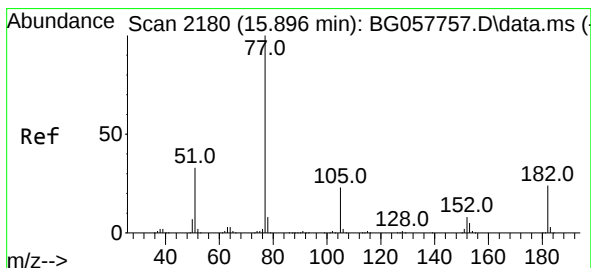
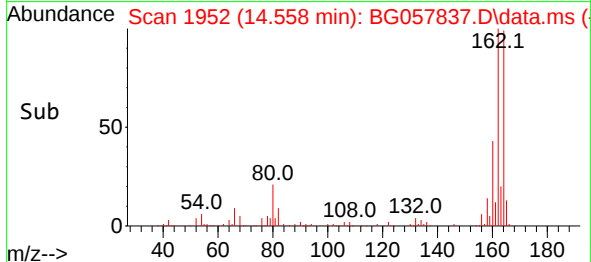
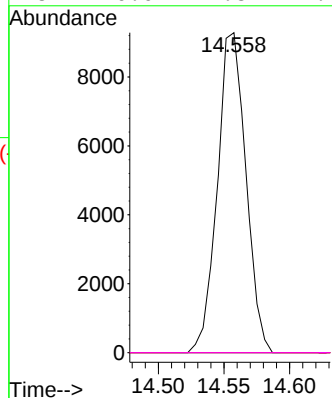
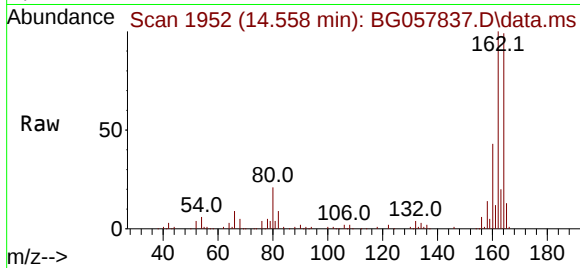
Ion Ratio Lower Upper

165 100

63 0.0 38.6 58.0#

89 0.0 63.7 95.5#

182 0.0 1.8 2.6#



#63

Azobenzene

Concen: 3.002 ng

RT: 15.909 min Scan# 2182

Delta R.T. 0.013 min

Lab File: BG057837.D

Acq: 23 Jun 2023 11:19

Tgt Ion: 77 Resp: 26318

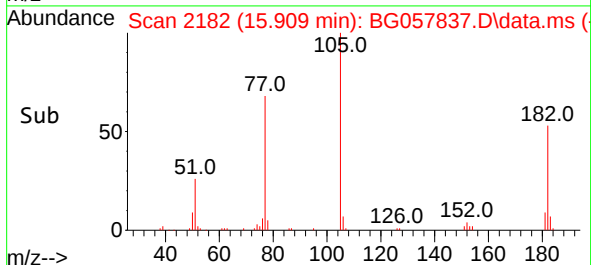
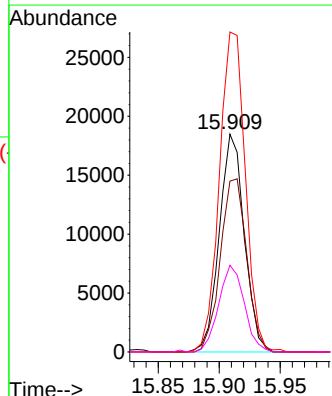
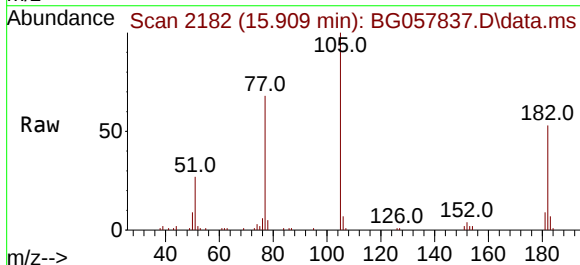
Ion Ratio Lower Upper

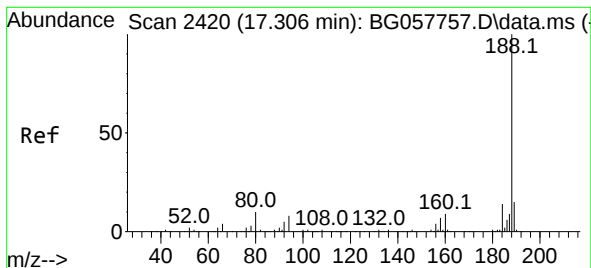
77 100

182 78.5 4.1 44.1#

105 146.9 3.3 43.3#

51 39.8 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: BG057837.D

Acq: 23 Jun 2023 11:19

Instrument :

BNA_G

ClientSampleId :

PMW-1

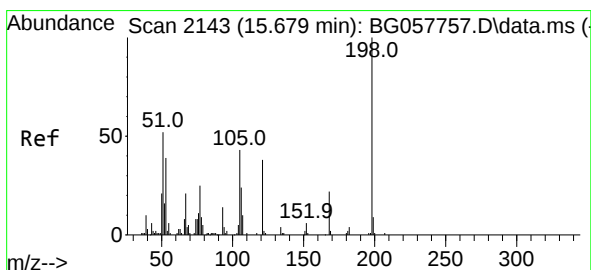
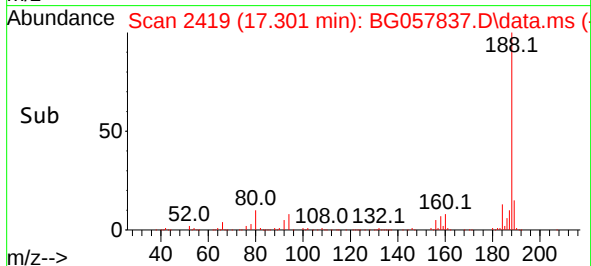
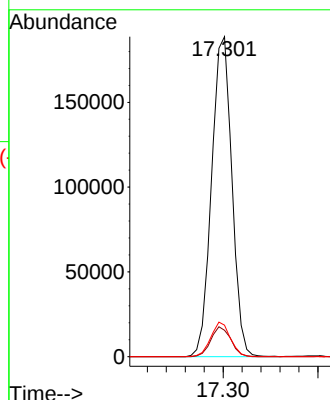
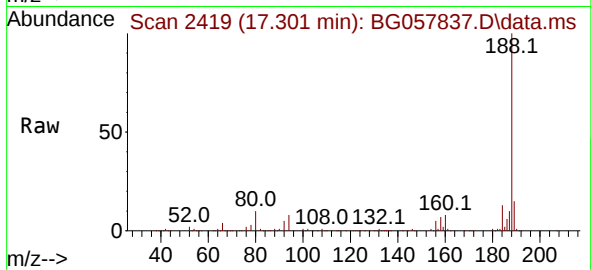
Tgt Ion:188 Resp: 281121

Ion Ratio Lower Upper

188 100

94 8.2 6.6 9.8

80 9.9 7.6 11.4



#65

4,6-Dinitro-2-methylphenol

Concen: 5.550 ng

RT: 16.038 min Scan# 2204

Delta R.T. 0.359 min

Lab File: BG057837.D

Acq: 23 Jun 2023 11:19

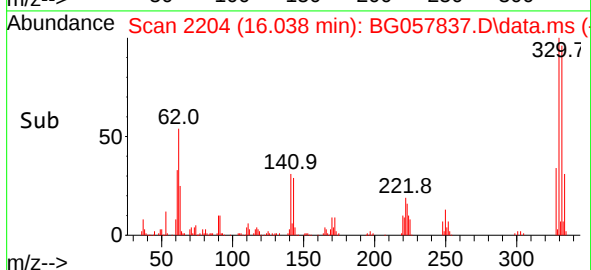
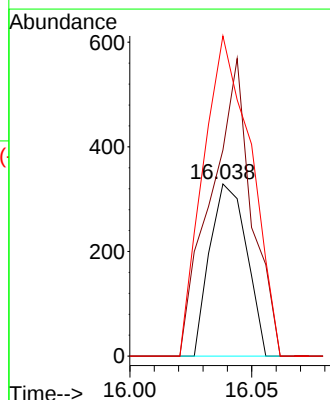
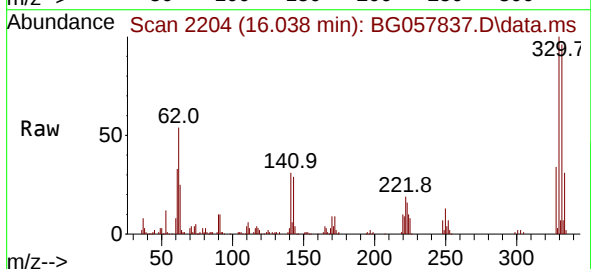
Tgt Ion:198 Resp: 346

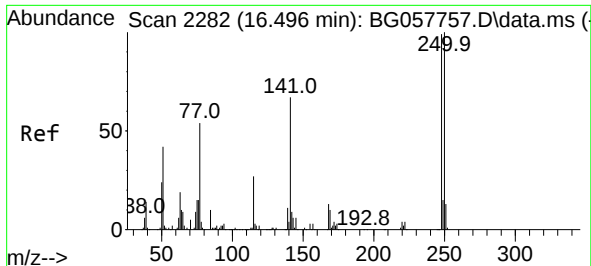
Ion Ratio Lower Upper

198 100

51 119.8 36.6 76.6#

105 186.0 24.3 64.3#

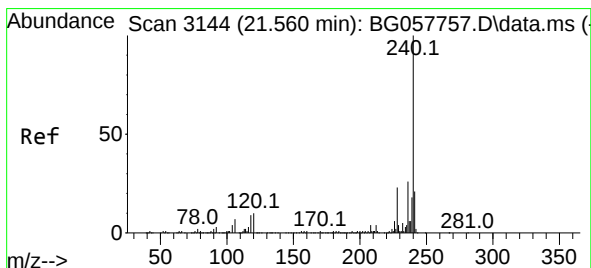
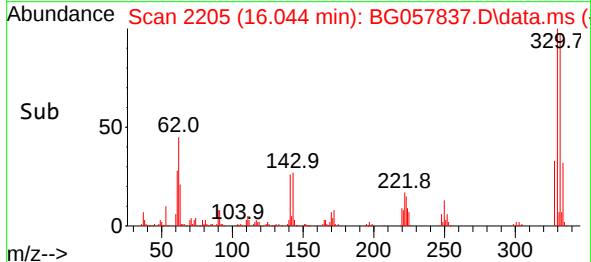
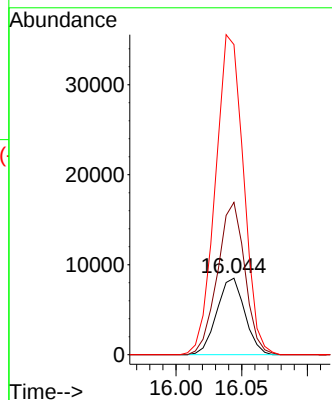
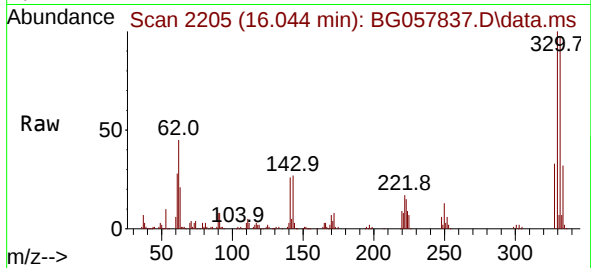




#67
4-Bromophenyl-phenylether
Concen: 4.211 ng
RT: 16.044 min Scan# 21
Delta R.T. -0.452 min
Lab File: BG057837.D
Acq: 23 Jun 2023 11:19

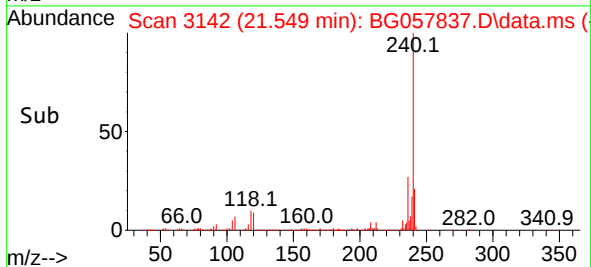
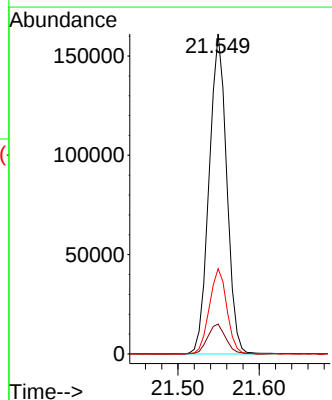
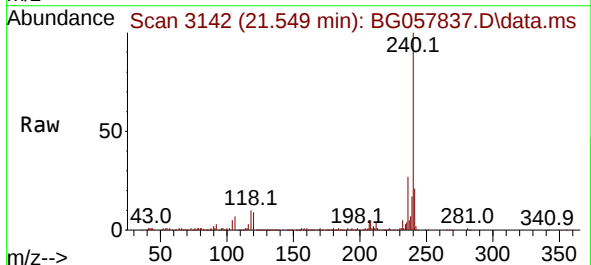
Instrument :
BNA_G
ClientSampleId :
PMW-1

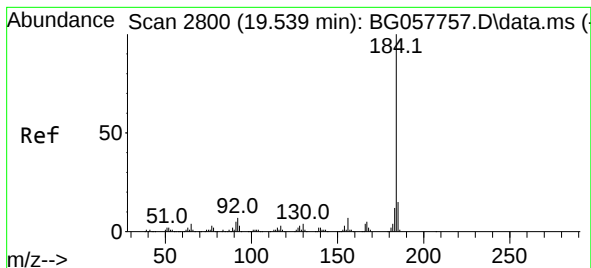
Tgt Ion:248 Resp: 12554
Ion Ratio Lower Upper
248 100
250 199.3 81.1 121.7#
141 405.6 54.6 81.8#



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.549 min Scan# 3142
Delta R.T. -0.011 min
Lab File: BG057837.D
Acq: 23 Jun 2023 11:19

Tgt Ion:240 Resp: 242257
Ion Ratio Lower Upper
240 100
120 9.3 8.1 12.1
236 26.7 20.6 30.8





#77

Benzidine

Concen: 2.145 ng

RT: 19.916 min Scan# 2864

Delta R.T. 0.377 min

Lab File: BG057837.D

Acq: 23 Jun 2023 11:19

Instrument :

BNA_G

ClientSampleId :

PMW-1

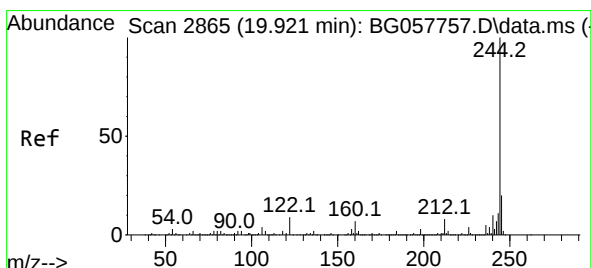
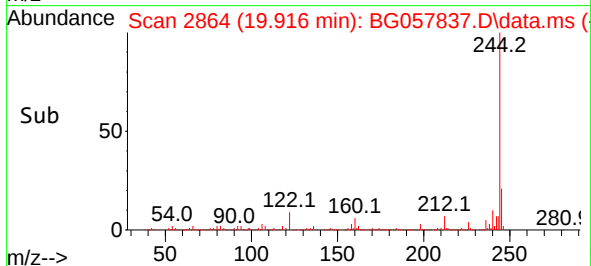
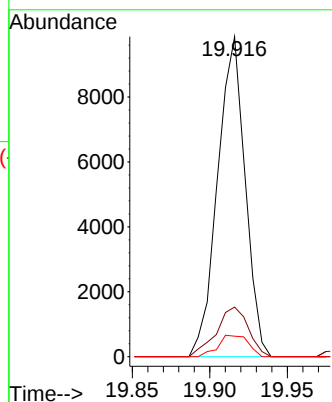
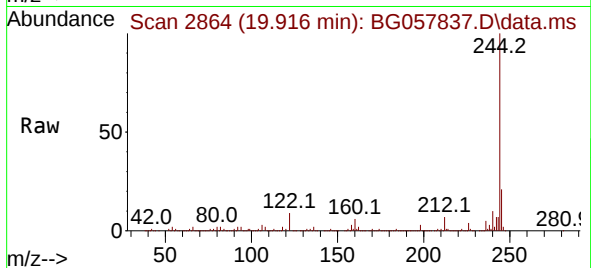
Tgt Ion:184 Resp: 12180

Ion Ratio Lower Upper

184 100

185 15.5 12.0 18.0

183 6.4 9.4 14.0#



#79

Terphenyl-d14

Concen: 72.865 ng

RT: 19.916 min Scan# 2864

Delta R.T. -0.005 min

Lab File: BG057837.D

Acq: 23 Jun 2023 11:19

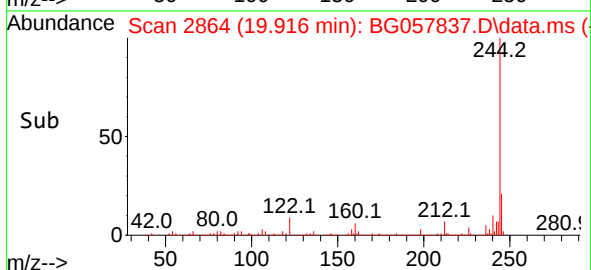
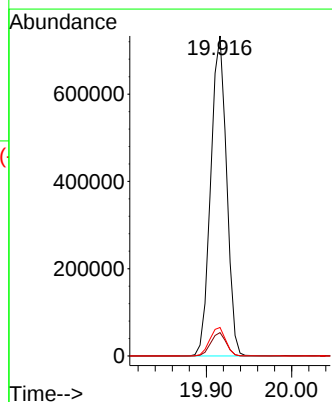
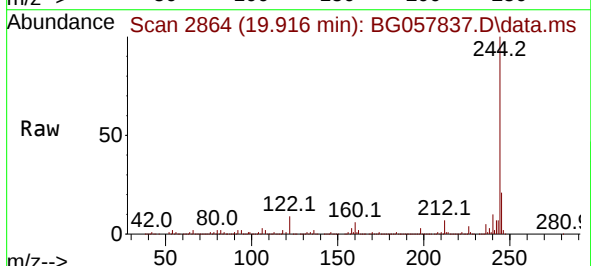
Tgt Ion:244 Resp: 946660

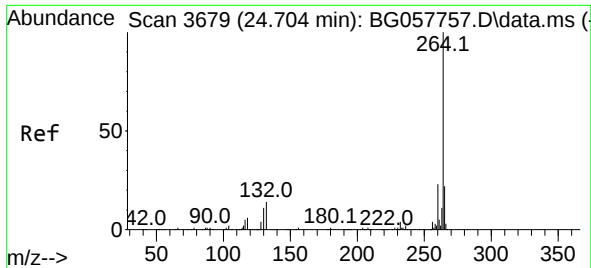
Ion Ratio Lower Upper

244 100

212 7.3 6.1 9.1

122 8.9 7.6 11.4





#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 24.699 min Scan# 30
 Delta R.T. -0.005 min
 Lab File: BG057837.D
 Acq: 23 Jun 2023 11:19

Instrument :
 BNA_G
 ClientSampleId :
 PMW-1

Tgt Ion:264 Resp: 295150
 Ion Ratio Lower Upper
 264 100
 260 21.7 18.5 27.7
 265 21.1 17.4 26.2

