

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG061623\
 Data File : BG057745.D
 Acq On : 16 Jun 2023 22:14
 Operator : CG/JU
 Sample : 03251-02
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 MW-01

Quant Time: Jun 17 04:00:31 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG061323.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jun 15 15:28:07 2023
 Response via : Initial Calibration

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

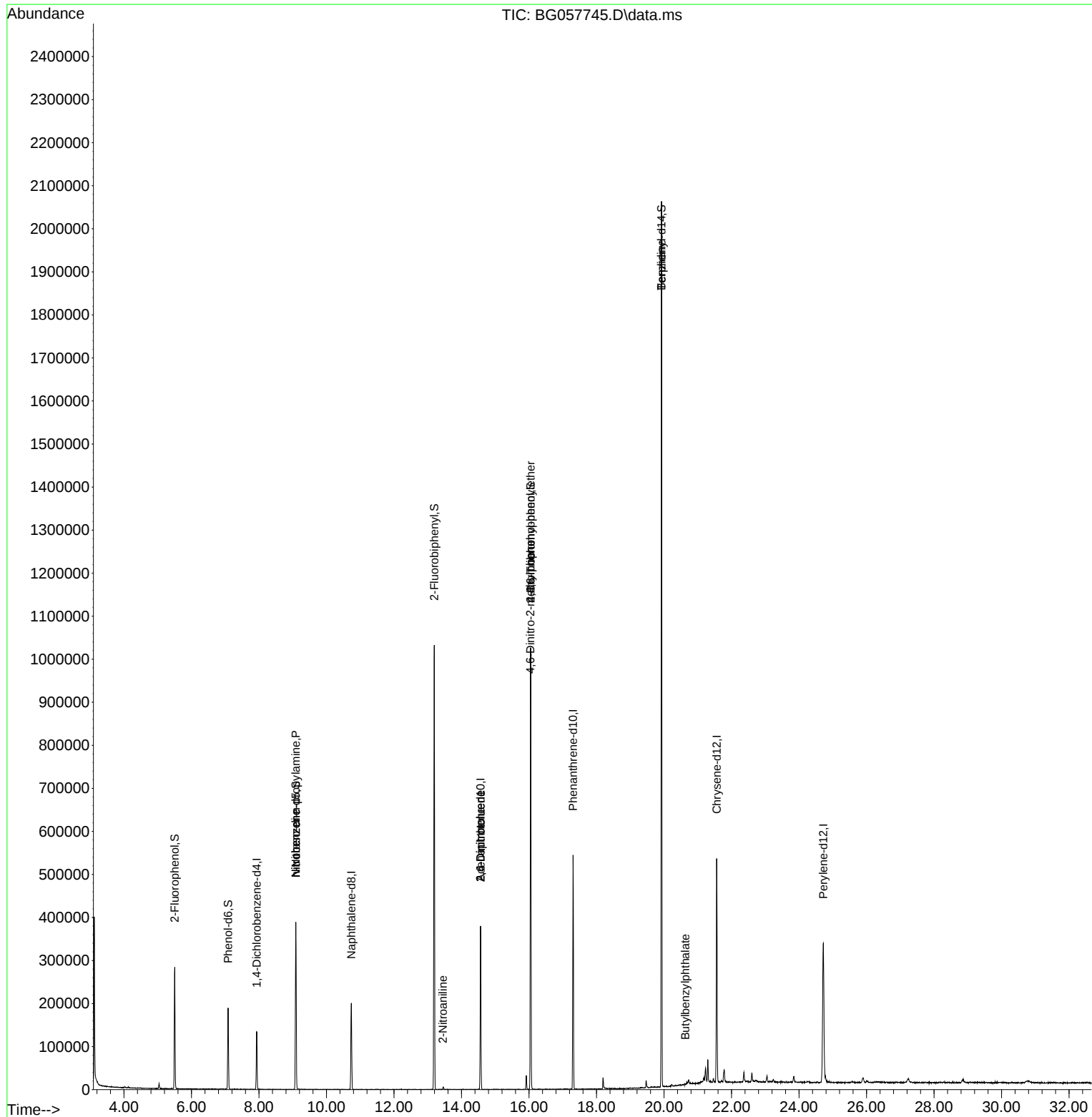
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.934	152	37023	20.000	ng	0.00
21) Naphthalene-d8	10.737	136	170690	20.000	ng	0.00
39) Acenaphthene-d10	14.562	164	133533	20.000	ng	-0.01
64) Phenanthrene-d10	17.306	188	342879	20.000	ng	-0.01
76) Chrysene-d12	21.560	240	291551	20.000	ng	-0.01
86) Perylene-d12	24.721	264	357159	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.502	112	115147	50.642	ng	0.00
7) Phenol-d6	7.082	99	104195	29.830	ng	-0.01
23) Nitrobenzene-d5	9.092	82	229139	83.623	ng	0.00
42) 2,4,6-Tribromophenol	16.048	330	200535	134.608	ng	-0.01
45) 2-Fluorobiphenyl	13.193	172	561568	62.687	ng	0.00
79) Terphenyl-d14	19.926	244	1036062	65.702	ng	0.00
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	9.092	70	28261	11.190	ng	# 74
24) Nitrobenzene	9.092	77	672	5.272	ng	# 41
48) 2-Nitroaniline	13.445	65	62	4.097	ng	# 12
51) 2,6-Dinitrotoluene	14.562	165	17431	17.745	ng	# 13
57) 2,4-Dinitrotoluene	14.562	165	17431	14.729	ng	# 16
65) 4,6-Dinitro-2-methylph...	16.042	198	400	2.249	ng	# 1
67) 4-Bromophenyl-phenylether	16.048	248	13315	3.814	ng	# 1
77) Benzidine	19.926	184	14481	2.084	ng	# 91
80) Butylbenzylphthalate	20.631	149	252	4.137	ng	# 58

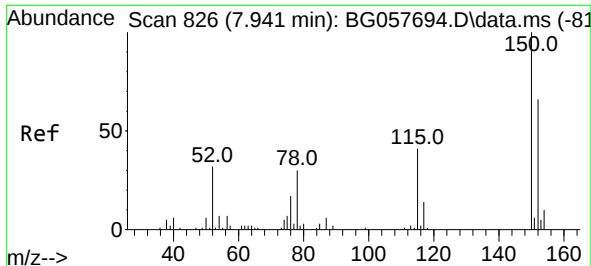
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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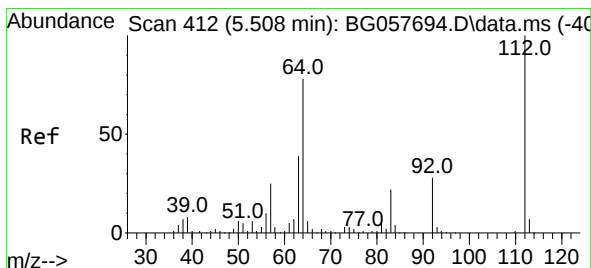
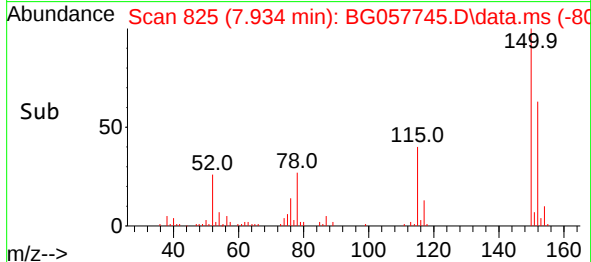
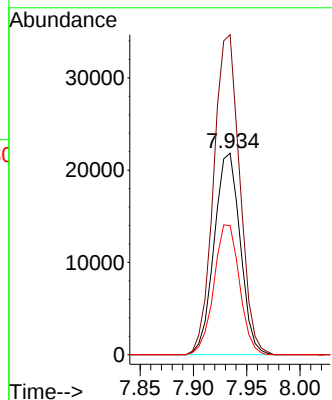
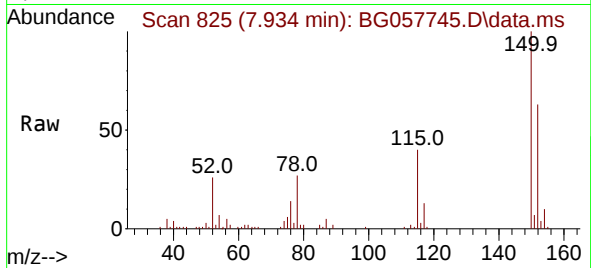




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.934 min Scan# 81
Delta R.T. -0.008 min
Lab File: BG057745.D
Acq: 16 Jun 2023 22:14

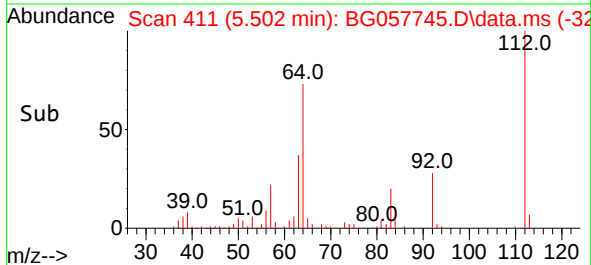
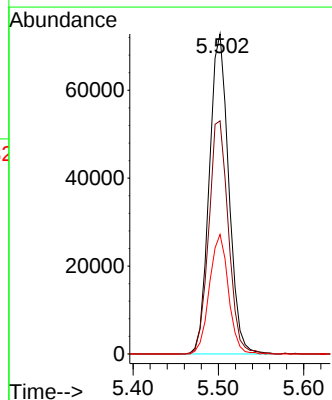
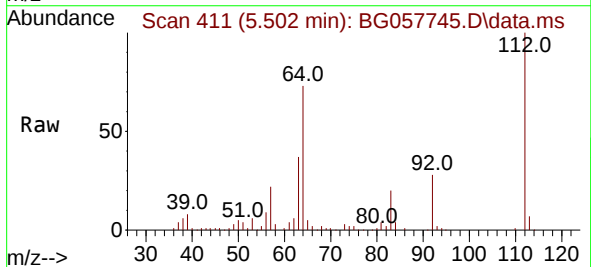
Instrument :
BNA_G
ClientSampleId :
MW-01

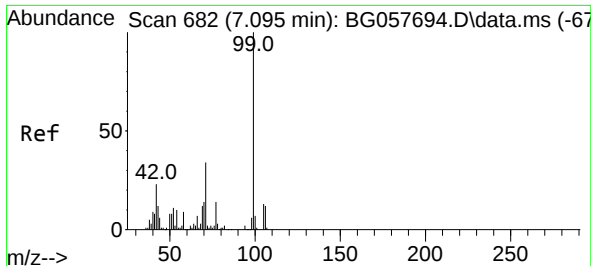
Tgt Ion:152 Resp: 37023
Ion Ratio Lower Upper
152 100
150 158.8 120.8 181.2
115 64.1 49.4 74.2



#5
2-Fluorophenol
Concen: 50.642 ng
RT: 5.502 min Scan# 411
Delta R.T. -0.008 min
Lab File: BG057745.D
Acq: 16 Jun 2023 22:14

Tgt Ion:112 Resp: 115147
Ion Ratio Lower Upper
112 100
64 72.8 62.3 93.5
63 37.4 31.5 47.3

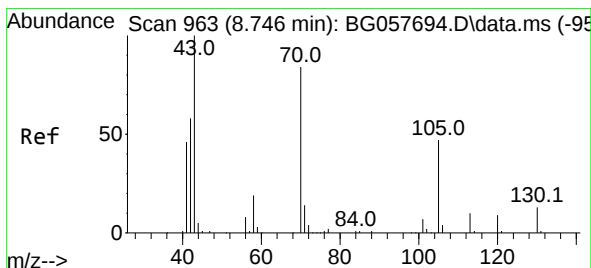
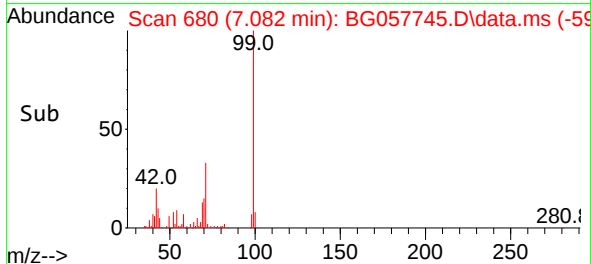
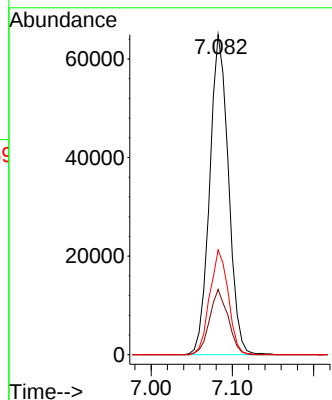
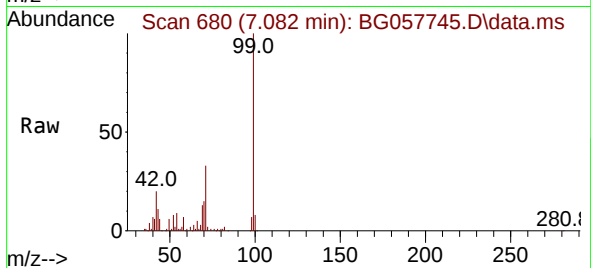




#7
Phenol-d6
Concen: 29.830 ng
RT: 7.082 min Scan# 61
Delta R.T. -0.014 min
Lab File: BG057745.D
Acq: 16 Jun 2023 22:14

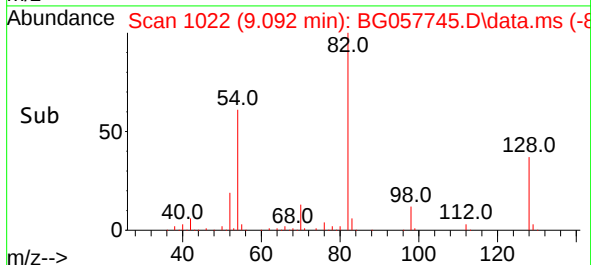
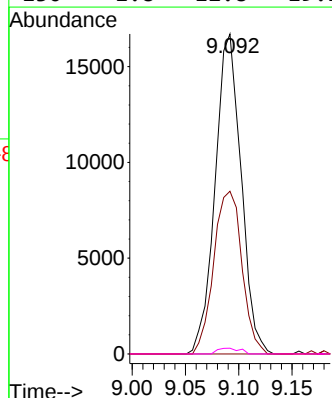
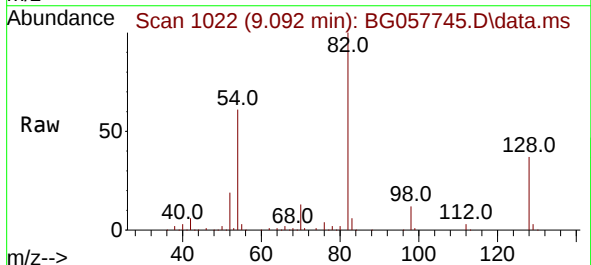
Instrument :
BNA_G
ClientSampleId :
MW-01

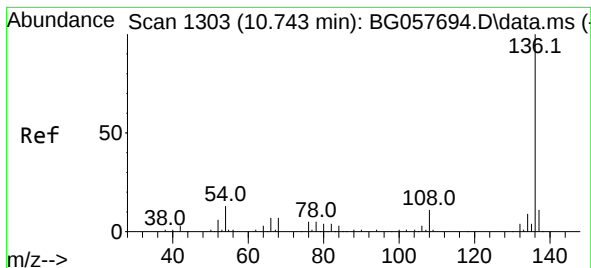
Tgt Ion: 99 Resp: 104195
Ion Ratio Lower Upper
99 100
42 20.4 18.3 27.5
71 32.8 27.5 41.3



#19
n-Nitroso-di-n-propylamine
Concen: 11.190 ng
RT: 9.092 min Scan# 1022
Delta R.T. 0.345 min
Lab File: BG057745.D
Acq: 16 Jun 2023 22:14

Tgt Ion: 70 Resp: 28261
Ion Ratio Lower Upper
70 100
42 50.8 56.6 84.8#
101 0.0 6.2 9.4#
130 1.8 12.8 19.2#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.737 min Scan# 11

Delta R.T. -0.008 min

Lab File: BG057745.D

Acq: 16 Jun 2023 22:14

Instrument :

BNA_G

ClientSampleId :

MW-01

Tgt Ion:136 Resp: 170690

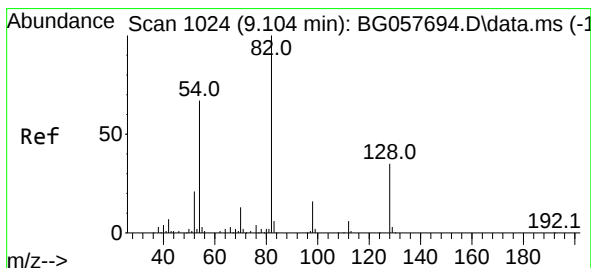
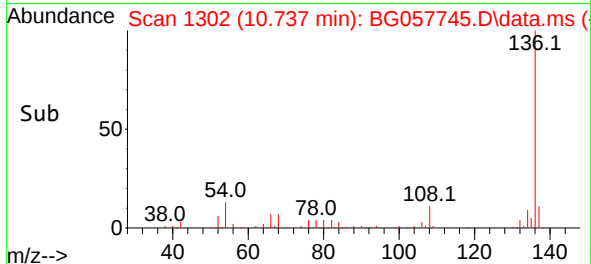
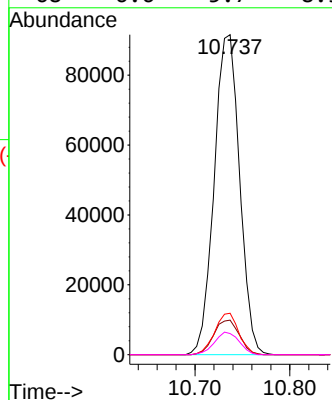
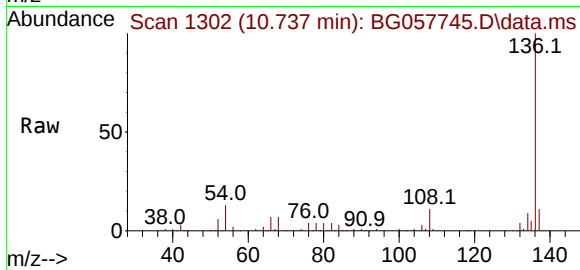
Ion Ratio Lower Upper

136 100

137 10.8 8.6 13.0

54 13.0 10.8 16.2

68 6.6 5.7 8.5



#23

Nitrobenzene-d5

Concen: 83.623 ng

RT: 9.092 min Scan# 1022

Delta R.T. -0.008 min

Lab File: BG057745.D

Acq: 16 Jun 2023 22:14

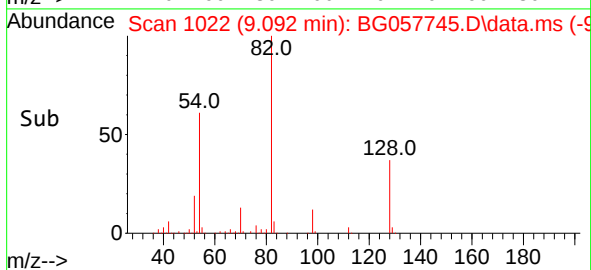
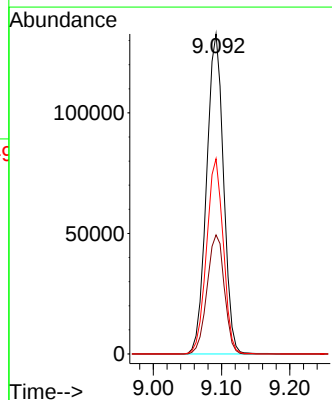
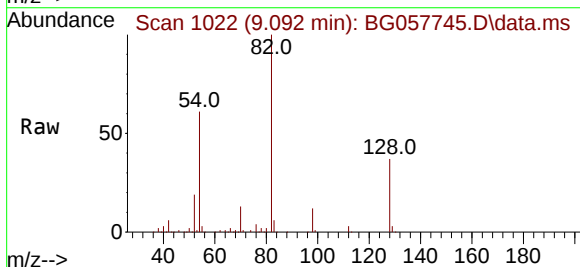
Tgt Ion: 82 Resp: 229139

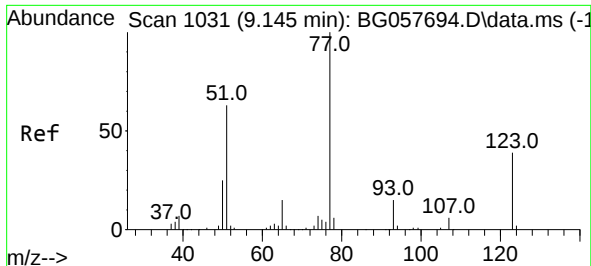
Ion Ratio Lower Upper

82 100

128 37.2 27.7 41.5

54 61.0 53.8 80.8

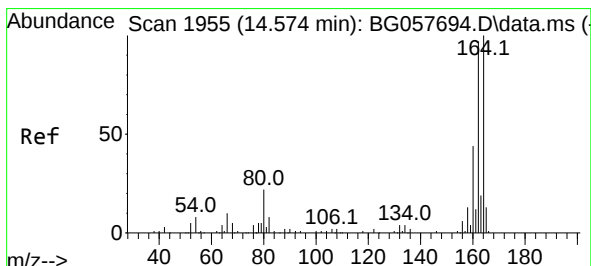
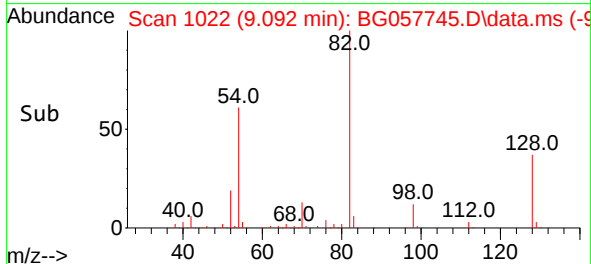
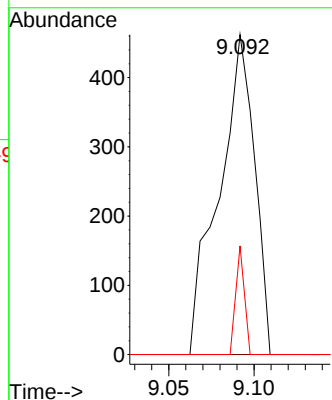
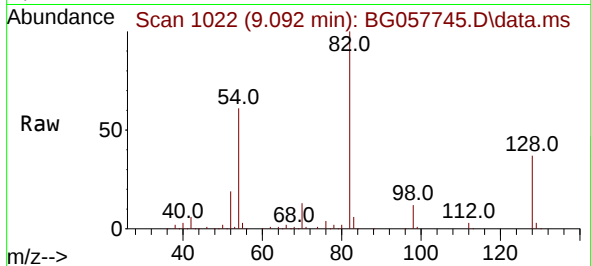




#24
Nitrobenzene
Concen: 5.272 ng
RT: 9.092 min Scan# 1031
Delta R.T. -0.055 min
Lab File: BG057745.D
Acq: 16 Jun 2023 22:14

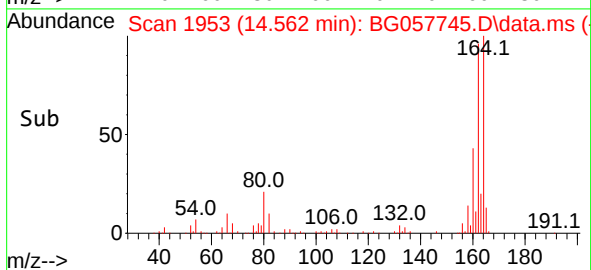
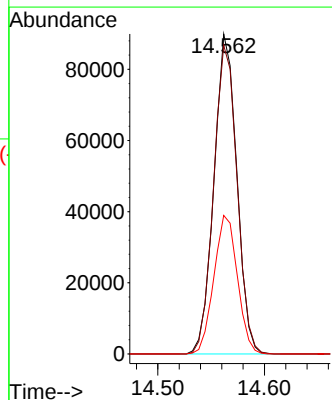
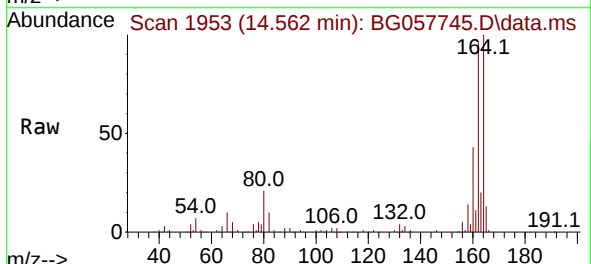
Instrument :
BNA_G
ClientSampleId :
MW-01

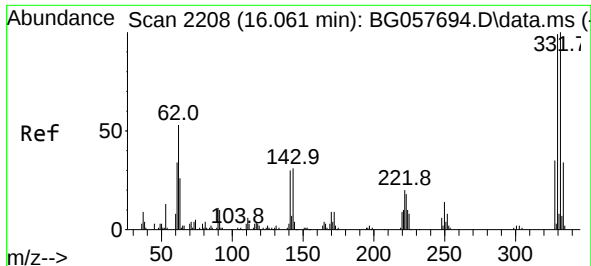
Tgt Ion: 77 Resp: 672
Ion Ratio Lower Upper
77 100
123 0.0 31.2 46.8#
65 34.0 11.6 17.4#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.562 min Scan# 1953
Delta R.T. -0.014 min
Lab File: BG057745.D
Acq: 16 Jun 2023 22:14

Tgt Ion: 164 Resp: 133533
Ion Ratio Lower Upper
164 100
162 96.4 77.7 116.5
160 43.3 35.1 52.7





#42

2,4,6-Tribromophenol

Concen: 134.608 ng

RT: 16.048 min Scan# 21

Delta R.T. -0.014 min

Lab File: BG057745.D

Acq: 16 Jun 2023 22:14

Instrument :

BNA_G

ClientSampleId :

MW-01

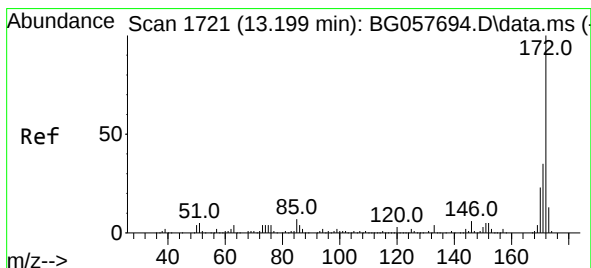
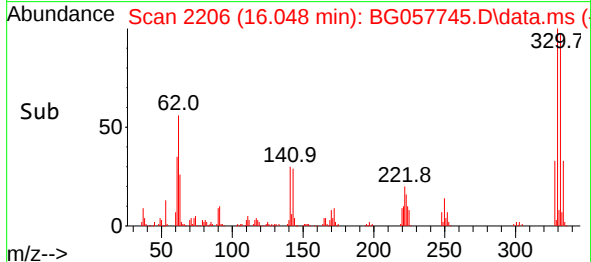
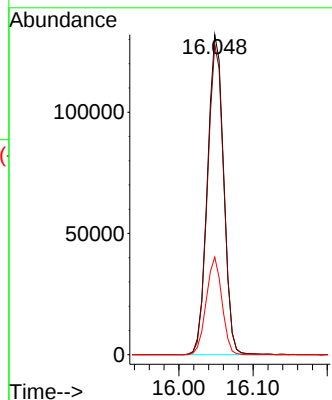
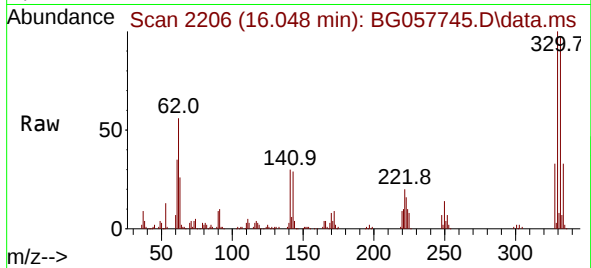
Tgt Ion:330 Resp: 200535

Ion Ratio Lower Upper

330 100

332 96.9 79.0 118.6

141 29.5 25.0 37.6



#45

2-Fluorobiphenyl

Concen: 62.687 ng

RT: 13.193 min Scan# 1720

Delta R.T. -0.008 min

Lab File: BG057745.D

Acq: 16 Jun 2023 22:14

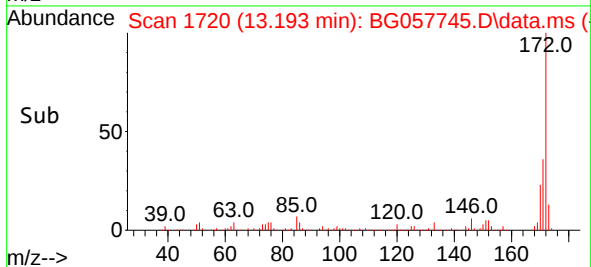
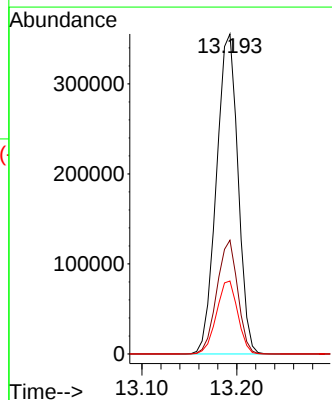
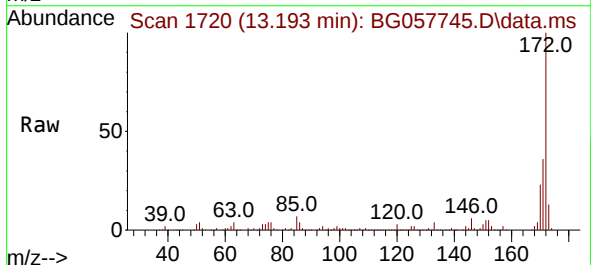
Tgt Ion:172 Resp: 561568

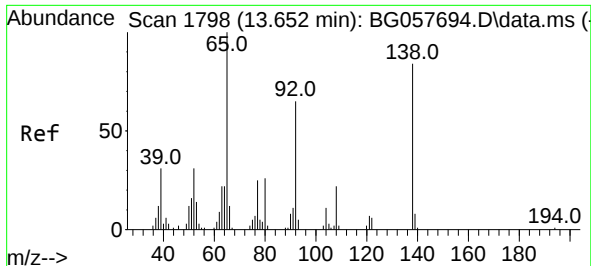
Ion Ratio Lower Upper

172 100

171 35.6 27.9 41.9

170 22.8 18.2 27.4

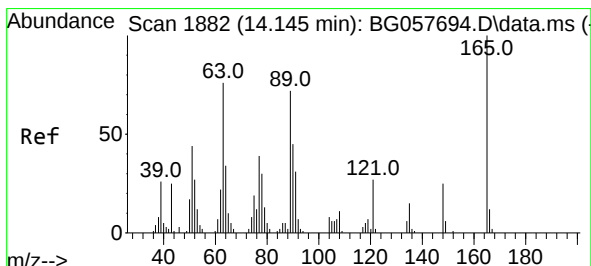
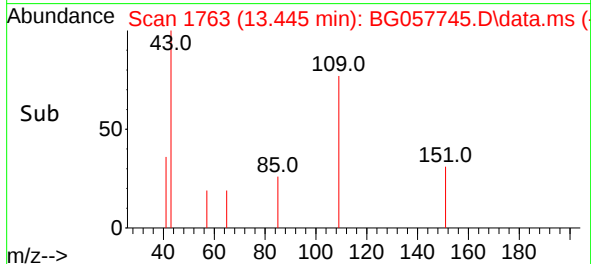
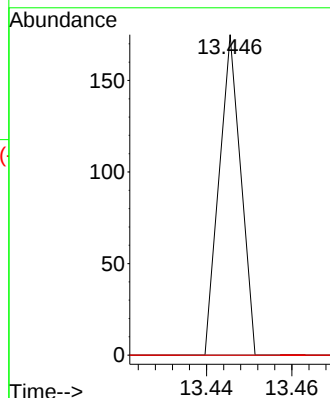
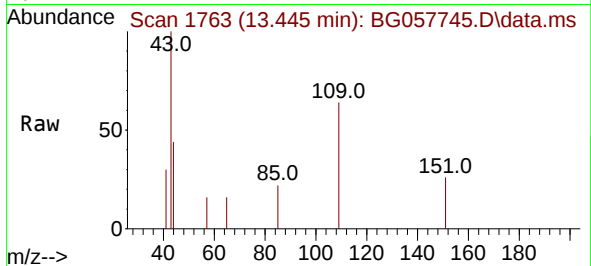




#48
2-Nitroaniline
Concen: 4.097 ng
RT: 13.445 min Scan# 11
Delta R.T. -0.208 min
Lab File: BG057745.D
Acq: 16 Jun 2023 22:14

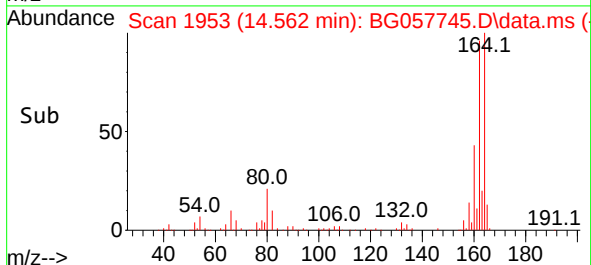
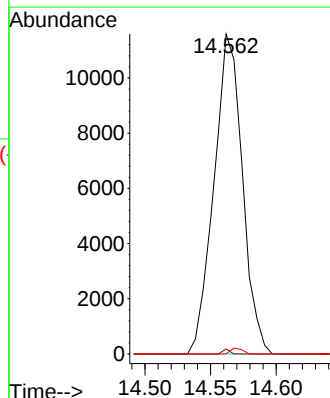
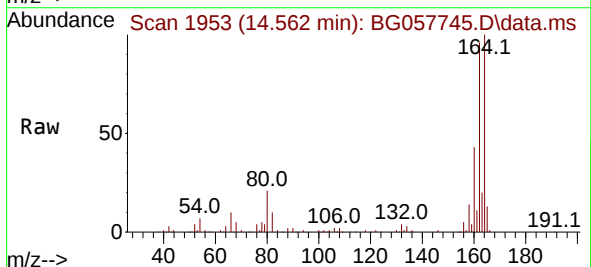
Instrument :
BNA_G
ClientSampleId :
MW-01

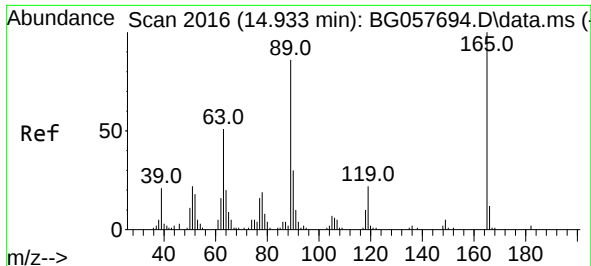
Tgt Ion: 65 Resp: 62
Ion Ratio Lower Upper
65 100
92 0.0 52.2 78.4#
138 0.0 67.0 100.4#



#51
2,6-Dinitrotoluene
Concen: 17.745 ng
RT: 14.562 min Scan# 1953
Delta R.T. 0.415 min
Lab File: BG057745.D
Acq: 16 Jun 2023 22:14

Tgt Ion: 165 Resp: 17431
Ion Ratio Lower Upper
165 100
63 1.5 62.3 93.5#
89 0.0 57.4 86.0#





#57

2,4-Dinitrotoluene

Concen: 14.729 ng

RT: 14.562 min Scan# 1953

Delta R.T. -0.372 min

Lab File: BG057745.D

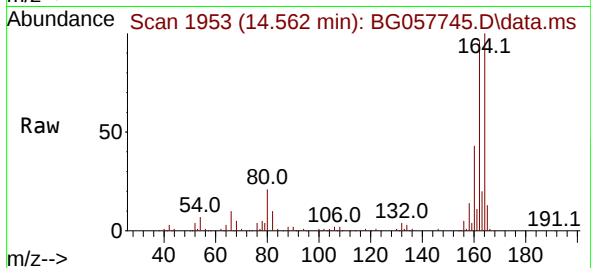
Acq: 16 Jun 2023 22:14

Instrument :

BNA_G

ClientSampleId :

MW-01



Tgt Ion:165 Resp: 17431

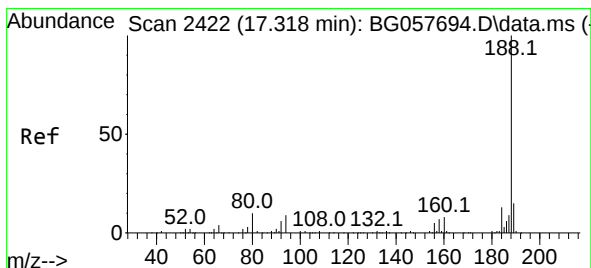
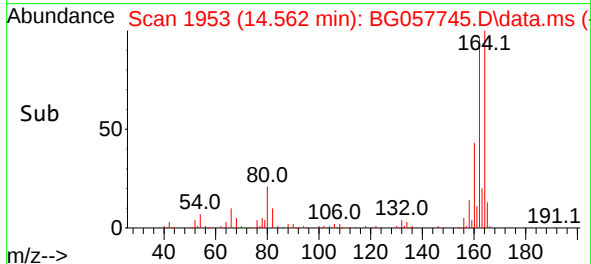
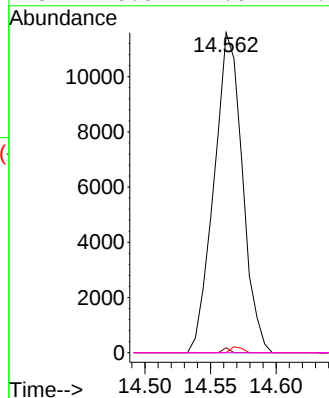
Ion Ratio Lower Upper

165 100

63 1.5 40.8 61.2#

89 0.0 68.5 102.7#

182 0.0 1.6 2.4#



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.306 min Scan# 2420

Delta R.T. -0.014 min

Lab File: BG057745.D

Acq: 16 Jun 2023 22:14

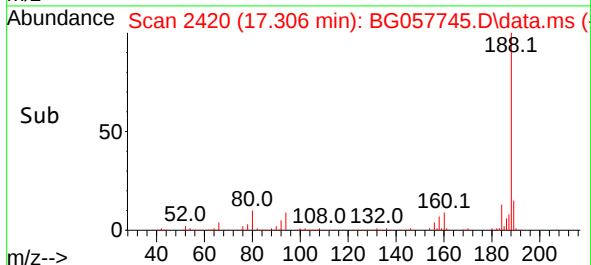
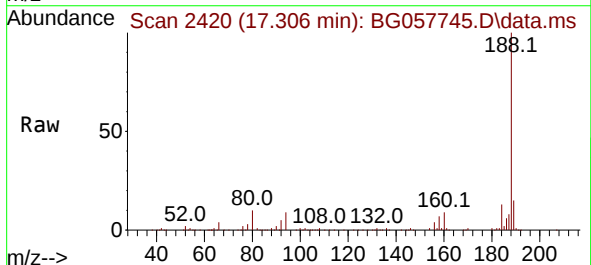
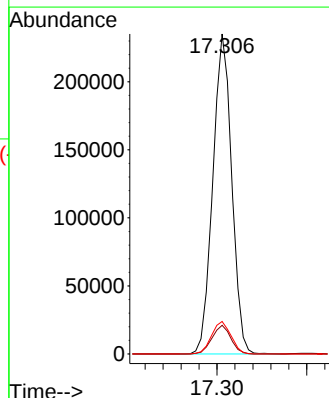
Tgt Ion:188 Resp: 342879

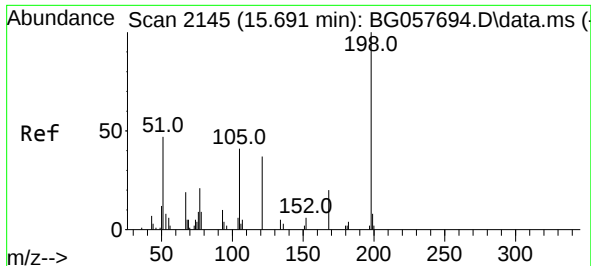
Ion Ratio Lower Upper

188 100

94 9.0 6.9 10.3

80 10.2 8.2 12.4

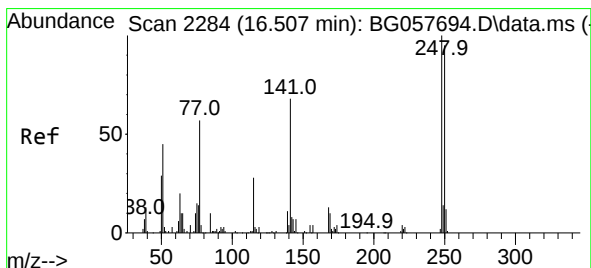
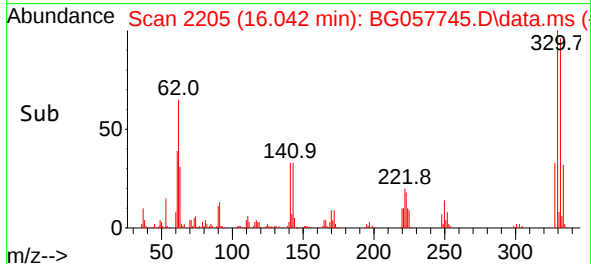
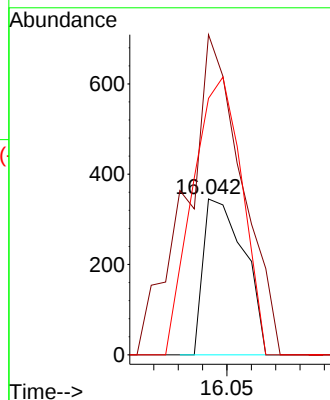
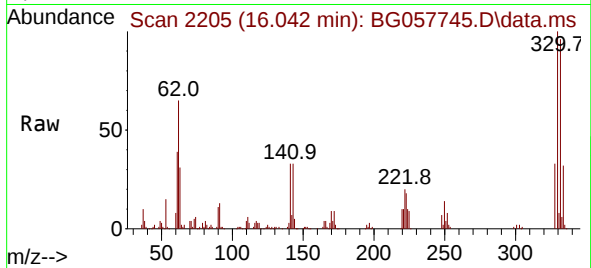




#65
 4,6-Dinitro-2-methylphenol
 Concen: 2.249 ng
 RT: 16.042 min Scan# 2145
 Delta R.T. 0.351 min
 Lab File: BG057745.D
 Acq: 16 Jun 2023 22:14

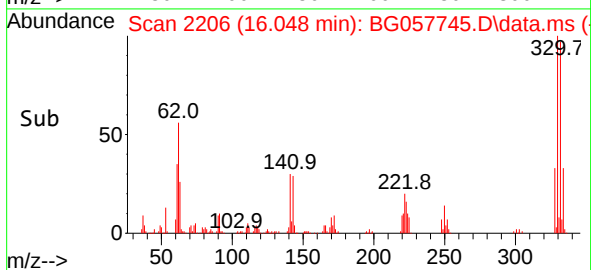
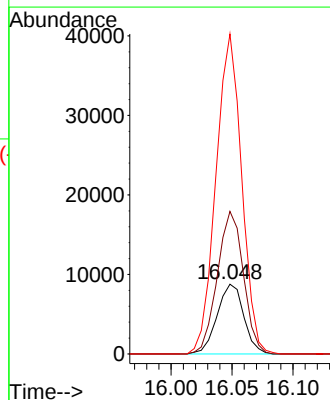
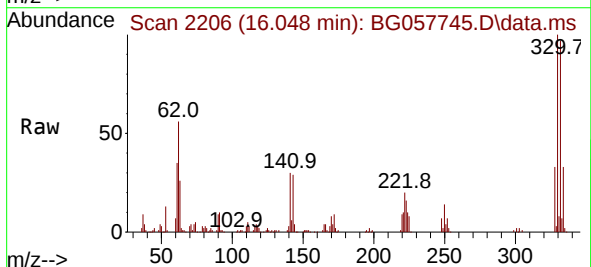
Instrument :
 BNA_G
 ClientSampleId :
 MW-01

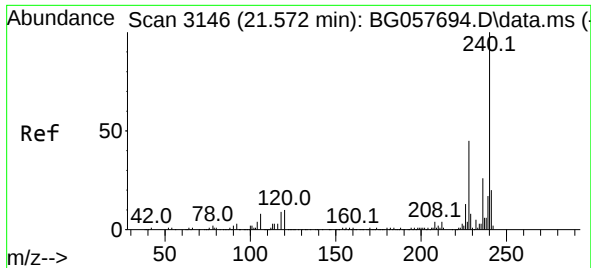
Tgt Ion:198 Resp: 400
 Ion Ratio Lower Upper
 198 100
 51 205.5 42.0 82.0#
 105 164.6 30.9 70.9#



#67
 4-Bromophenyl-phenylether
 Concen: 3.814 ng
 RT: 16.048 min Scan# 2206
 Delta R.T. -0.460 min
 Lab File: BG057745.D
 Acq: 16 Jun 2023 22:14

Tgt Ion:248 Resp: 13315
 Ion Ratio Lower Upper
 248 100
 250 204.5 76.3 114.5#
 141 459.1 54.6 82.0#

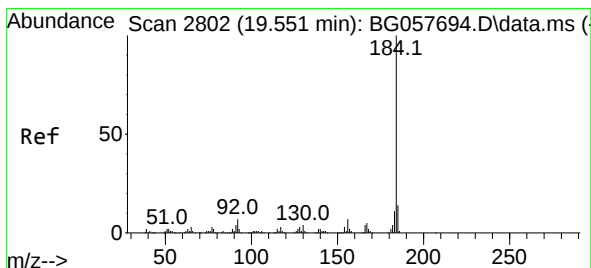
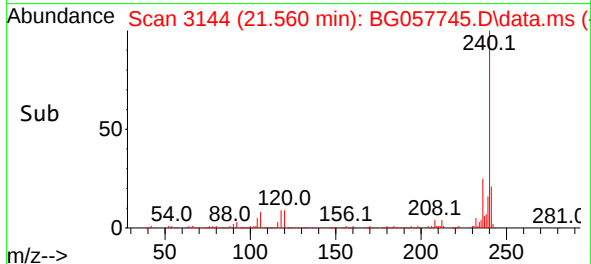
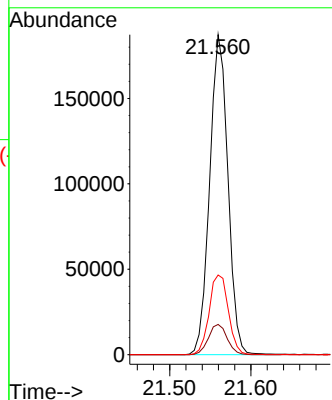
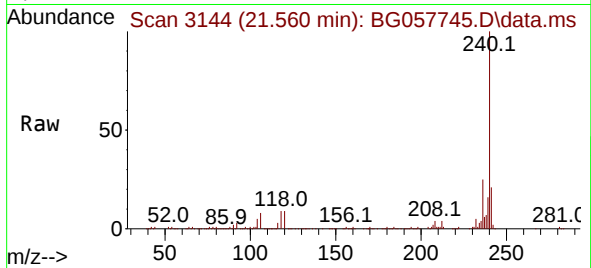




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.560 min Scan# 3146
Delta R.T. -0.014 min
Lab File: BG057745.D
Acq: 16 Jun 2023 22:14

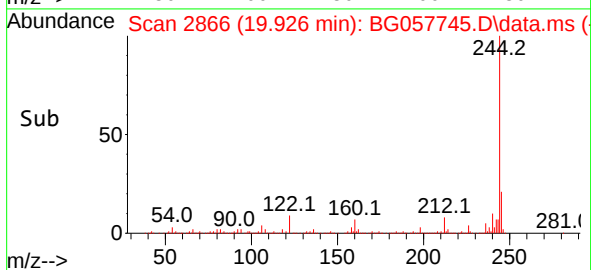
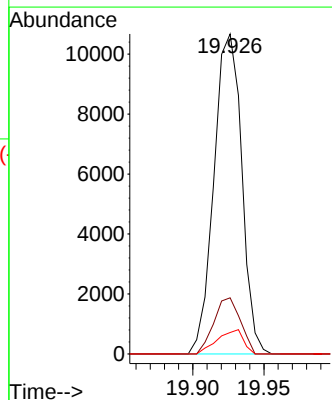
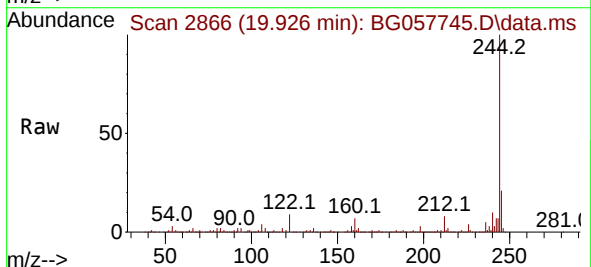
Instrument :
BNA_G
ClientSampleId :
MW-01

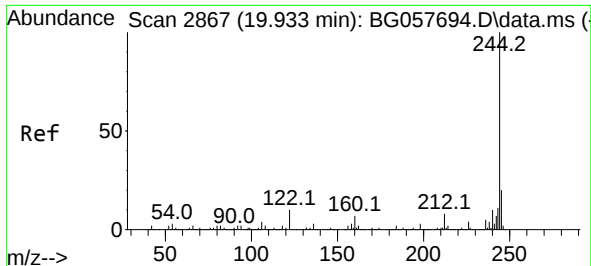
Tgt Ion:240 Resp: 291551
Ion Ratio Lower Upper
240 100
120 9.5 8.1 12.1
236 24.9 20.7 31.1



#77
Benzidine
Concen: 2.084 ng
RT: 19.926 min Scan# 2866
Delta R.T. 0.374 min
Lab File: BG057745.D
Acq: 16 Jun 2023 22:14

Tgt Ion:184 Resp: 14481
Ion Ratio Lower Upper
184 100
185 17.5 11.1 16.7#
183 6.7 8.4 12.6#

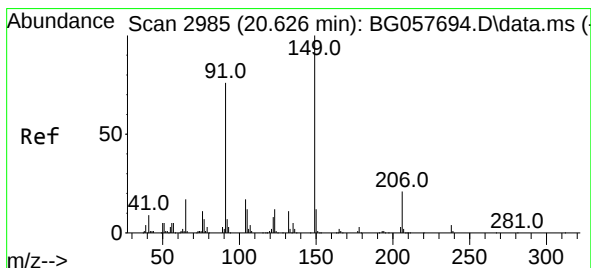
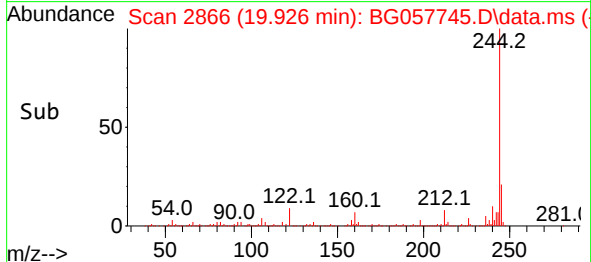
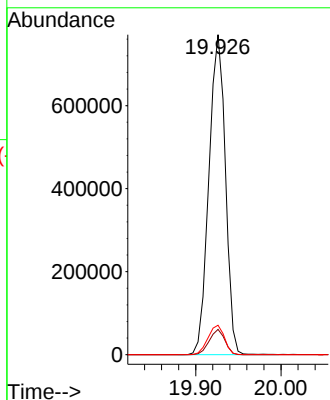
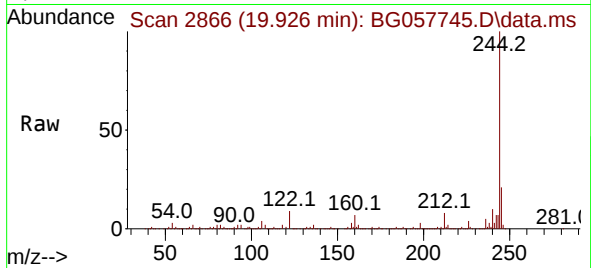




#79
 Terphenyl-d14
 Concen: 65.702 ng
 RT: 19.926 min Scan# 2866
 Delta R.T. -0.008 min
 Lab File: BG057745.D
 Acq: 16 Jun 2023 22:14

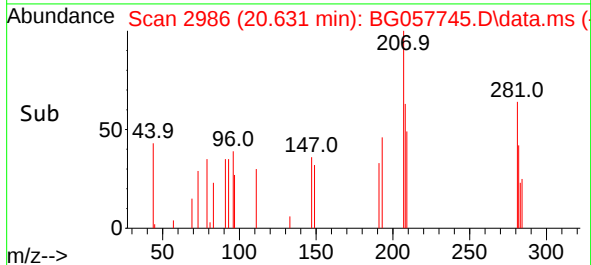
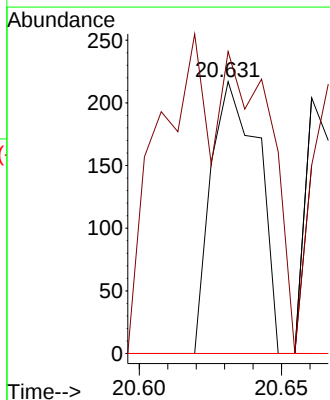
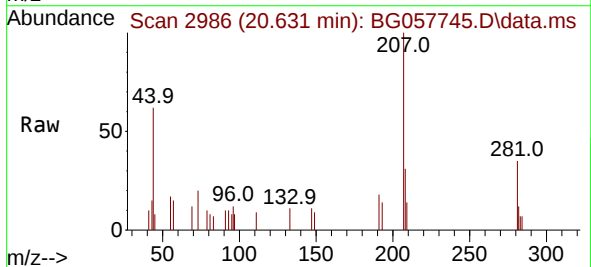
Instrument :
 BNA_G
 ClientSampleId :
 MW-01

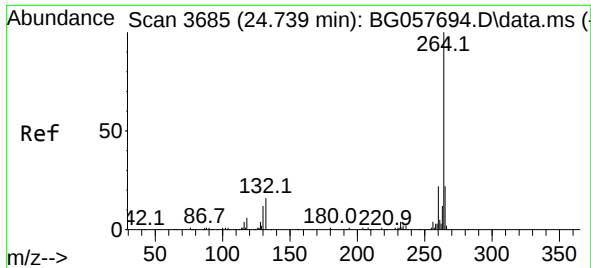
Tgt Ion:244 Resp: 1036062
 Ion Ratio Lower Upper
 244 100
 212 7.9 6.0 9.0
 122 9.2 7.7 11.5



#80
 Butylbenzylphthalate
 Concen: 4.137 ng
 RT: 20.631 min Scan# 2986
 Delta R.T. 0.004 min
 Lab File: BG057745.D
 Acq: 16 Jun 2023 22:14

Tgt Ion:149 Resp: 252
 Ion Ratio Lower Upper
 149 100
 91 111.1 60.8 91.2#
 206 0.0 16.8 25.2#





#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 24.721 min Scan# 30
 Delta R.T. -0.014 min
 Lab File: BG057745.D
 Acq: 16 Jun 2023 22:14

Instrument :
 BNA_G
 ClientSampleId :
 MW-01

Tgt Ion:264 Resp: 357159
 Ion Ratio Lower Upper
 264 100
 260 23.0 17.3 25.9
 265 22.1 17.5 26.3

