

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG052322\
 Data File : BG053662.D
 Acq On : 23 May 2022 13:32
 Operator : CG/JU
 Sample : N2982-04
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 P-4

Quant Time: May 24 05:09:07 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG050522.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue May 24 05:05:32 2022
 Response via : Initial Calibration

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

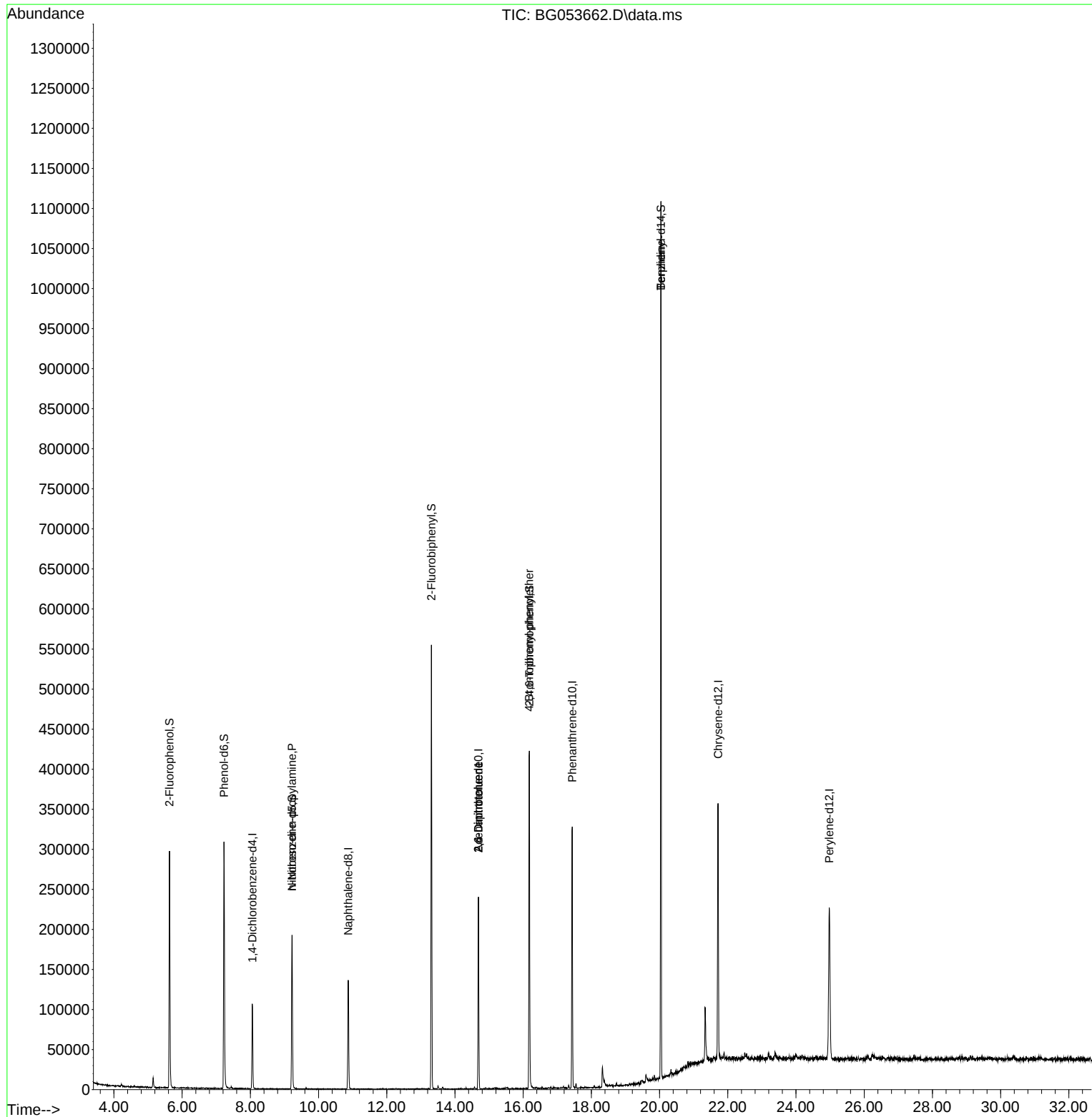
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.062	152	28743	20.000	ng	0.00
21) Naphthalene-d8	10.870	136	112935	20.000	ng	0.00
39) Acenaphthene-d10	14.688	164	85696	20.000	ng	0.00
64) Phenanthrene-d10	17.437	188	211321	20.000	ng	0.00
76) Chrysene-d12	21.714	240	210781	20.000	ng	0.00
86) Perylene-d12	24.974	264	209411	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.630	112	124304	73.395	ng	0.00
7) Phenol-d6	7.227	99	184131	71.637	ng	0.00
23) Nitrobenzene-d5	9.225	82	130980	49.370	ng	0.00
42) 2,4,6-Tribromophenol	16.180	330	90957	71.964	ng	0.00
45) 2-Fluorobiphenyl	13.307	172	288736	49.235	ng	0.00
79) Terphenyl-d14	20.040	244	549846	48.585	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propyla...	9.225	70	18527	10.046	ng	Qvalue
51) 2,6-Dinitrotoluene	14.688	165	10955	8.257	ng	# 73
57) 2,4-Dinitrotoluene	14.688	165	10955	5.697	ng	# 17
67) 4-Bromophenyl-phenylether	16.174	248	5605	2.271	ng	# 23
77) Benzidine	20.040	184	9139	2.012	ng	# 1

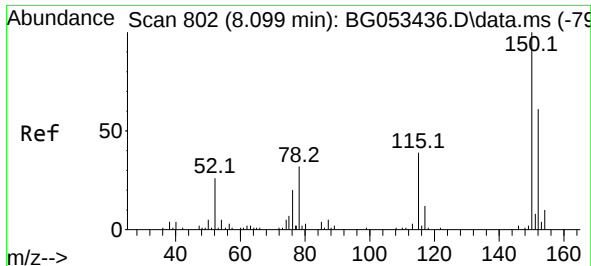
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG052322\
Data File : BG053662.D
Acq On : 23 May 2022 13:32
Operator : CG/JU
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Misc :
ALS Vial : 4 Sample Multiplier: 1

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BNA_G
ClientSampleId :
P-4

Quant Time: May 24 05:09:07 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG050522.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue May 24 05:05:32 2022
Response via : Initial Calibration

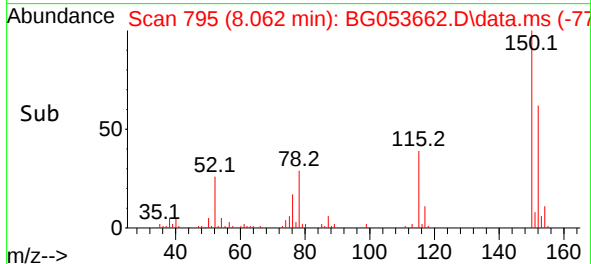
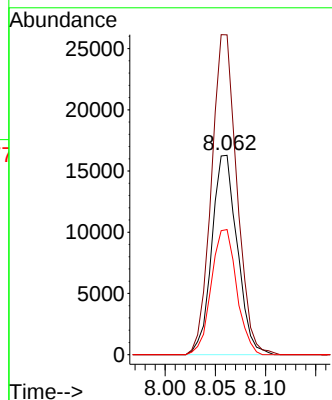
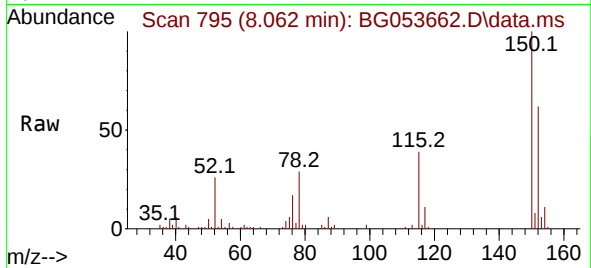




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.062 min Scan# 79
Delta R.T. 0.004 min
Lab File: BG053662.D
Acq: 23 May 2022 13:32

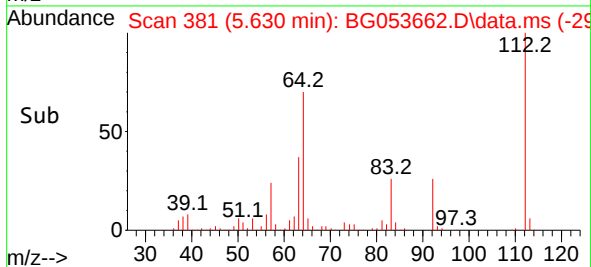
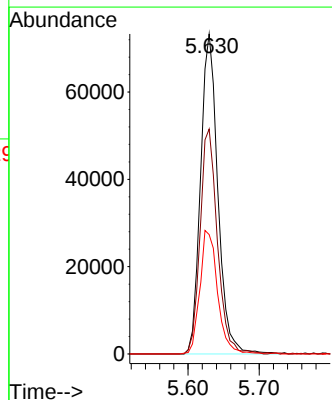
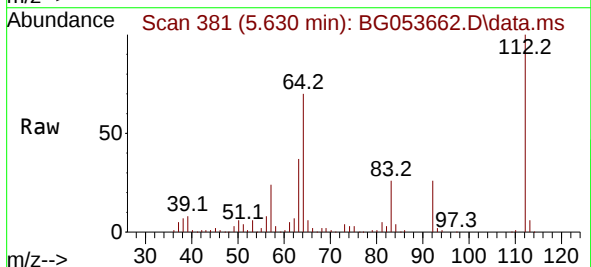
Instrument :
BNA_G
ClientSampleId :
P-4

Tgt Ion:152 Resp: 28743
Ion Ratio Lower Upper
152 100
150 160.4 131.6 197.4
115 62.7 50.9 76.3



#5
2-Fluorophenol
Concen: 73.395 ng
RT: 5.630 min Scan# 381
Delta R.T. 0.004 min
Lab File: BG053662.D
Acq: 23 May 2022 13:32

Tgt Ion:112 Resp: 124304
Ion Ratio Lower Upper
112 100
64 70.3 55.1 82.7
63 37.3 30.4 45.6

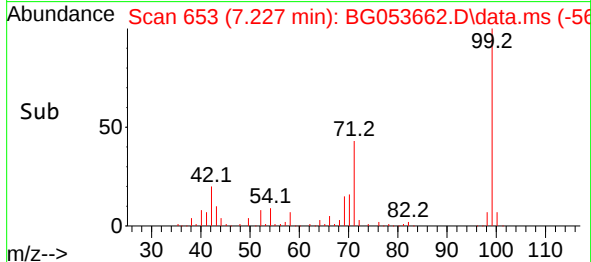
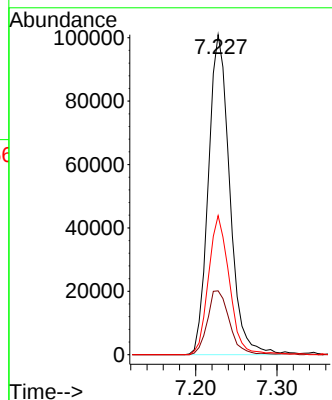
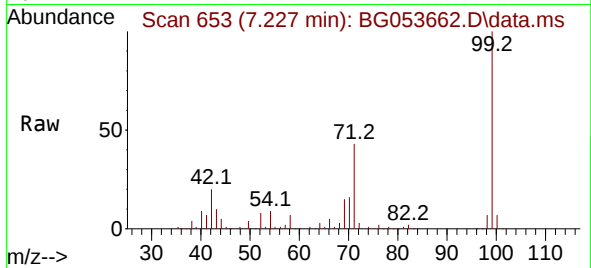




#7
Phenol-d6
Concen: 71.637 ng
RT: 7.227 min Scan# 61
Delta R.T. -0.002 min
Lab File: BG053662.D
Acq: 23 May 2022 13:32

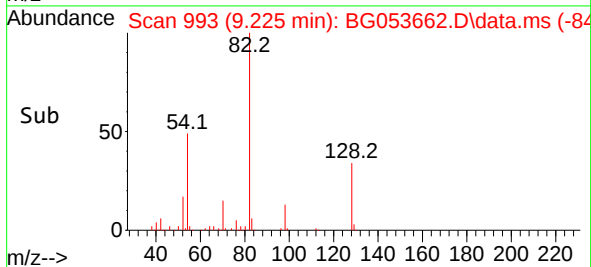
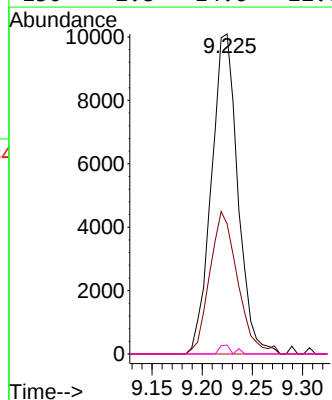
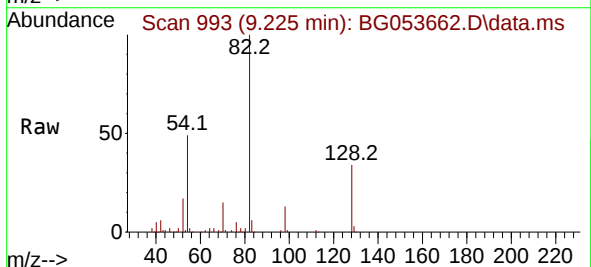
Instrument :
BNA_G
ClientSampleId :
P-4

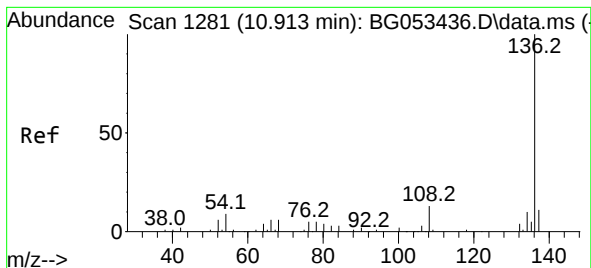
Tgt Ion: 99 Resp: 184131
Ion Ratio Lower Upper
99 100
42 20.0 17.0 25.6
71 43.5 33.8 50.8



#19
n-Nitroso-di-n-propylamine
Concen: 10.046 ng
RT: 9.225 min Scan# 993
Delta R.T. 0.362 min
Lab File: BG053662.D
Acq: 23 May 2022 13:32

Tgt Ion: 70 Resp: 18527
Ion Ratio Lower Upper
70 100
42 40.6 47.3 70.9#
101 0.0 7.0 10.4#
130 2.8 14.6 22.0#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.870 min Scan# 11

Delta R.T. -0.002 min

Lab File: BG053662.D

Acq: 23 May 2022 13:32

Instrument :

BNA_G

ClientSampleId :

P-4

Tgt Ion:136 Resp: 112935

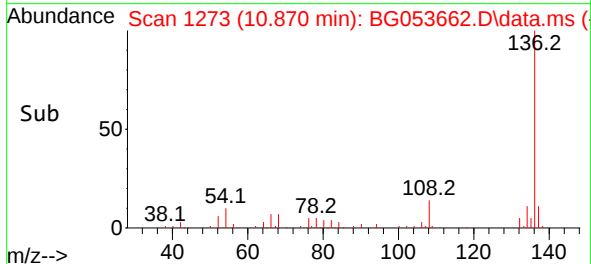
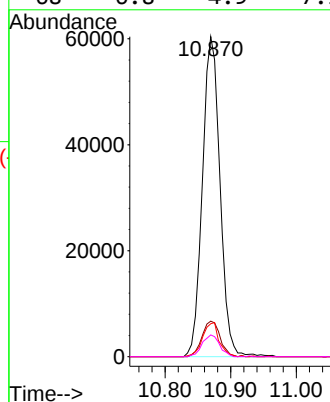
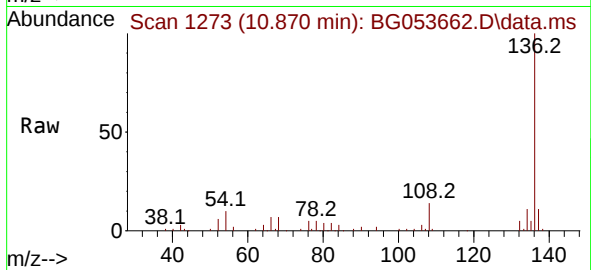
Ion Ratio Lower Upper

136 100

137 11.1 8.5 12.7

54 10.3 7.4 11.2

68 6.8 4.9 7.3



#23

Nitrobenzene-d5

Concen: 49.370 ng

RT: 9.225 min Scan# 993

Delta R.T. -0.002 min

Lab File: BG053662.D

Acq: 23 May 2022 13:32

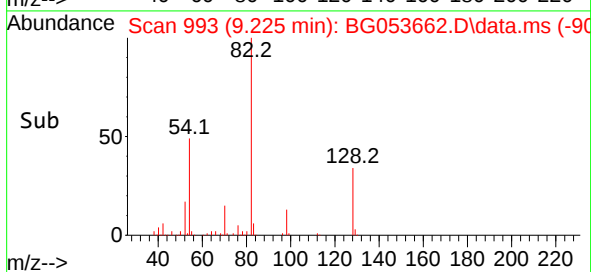
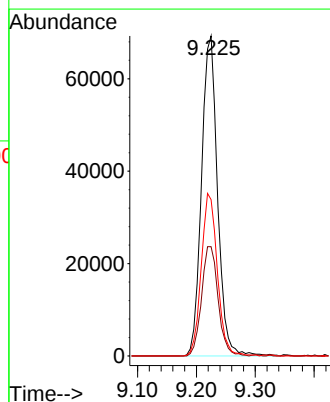
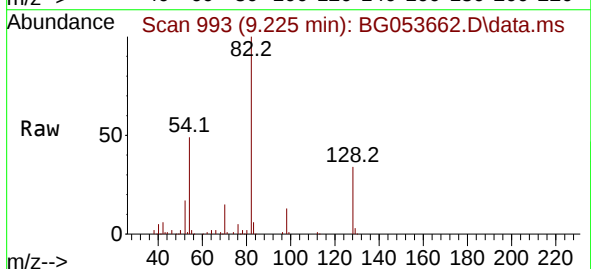
Tgt Ion: 82 Resp: 130980

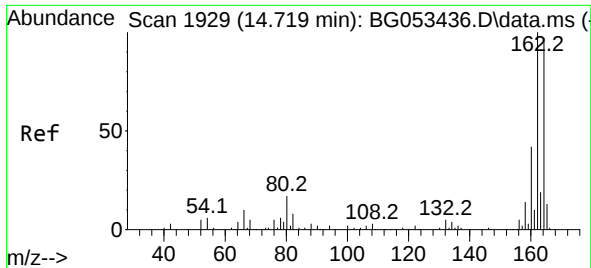
Ion Ratio Lower Upper

82 100

128 34.2 27.9 41.9

54 48.9 41.2 61.8

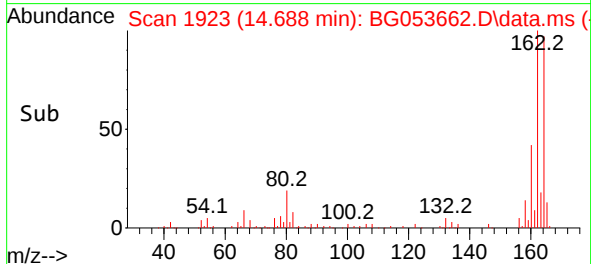
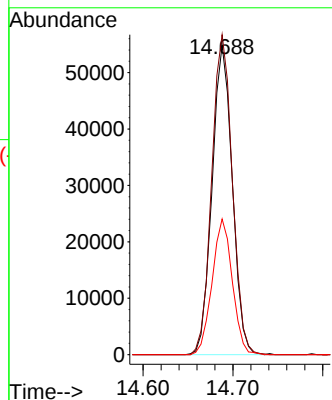
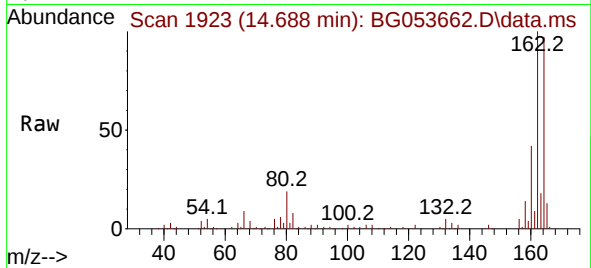




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.688 min Scan# 1923
Delta R.T. -0.002 min
Lab File: BG053662.D
Acq: 23 May 2022 13:32

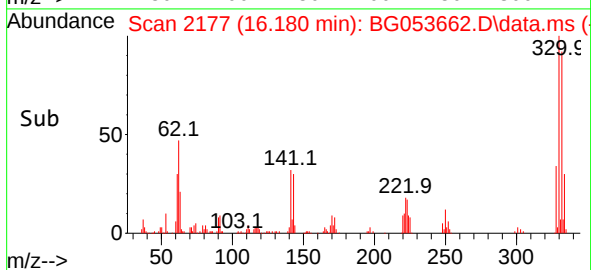
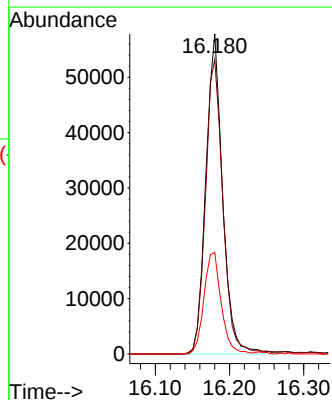
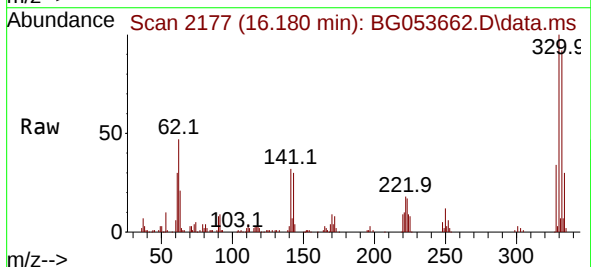
Instrument :
BNA_G
ClientSampleId :
P-4

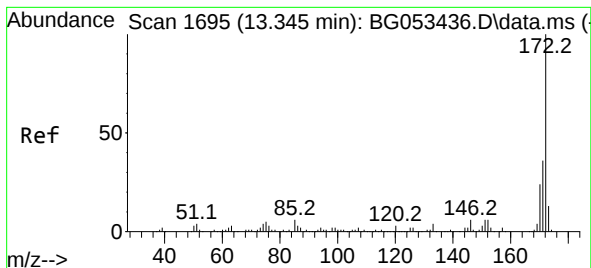
Tgt Ion:164 Resp: 85696
Ion Ratio Lower Upper
164 100
162 103.4 82.3 123.5
160 43.8 34.2 51.2



#42
2,4,6-Tribromophenol
Concen: 71.964 ng
RT: 16.180 min Scan# 2177
Delta R.T. -0.002 min
Lab File: BG053662.D
Acq: 23 May 2022 13:32

Tgt Ion:330 Resp: 90957
Ion Ratio Lower Upper
330 100
332 95.4 76.0 114.0
141 32.5 27.1 40.7





#45

2-Fluorobiphenyl

Concen: 49.235 ng

RT: 13.307 min Scan# 1

Delta R.T. -0.008 min

Lab File: BG053662.D

Acq: 23 May 2022 13:32

Instrument :

BNA_G

ClientSampleId :

P-4

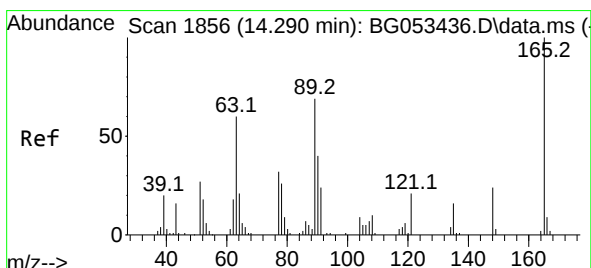
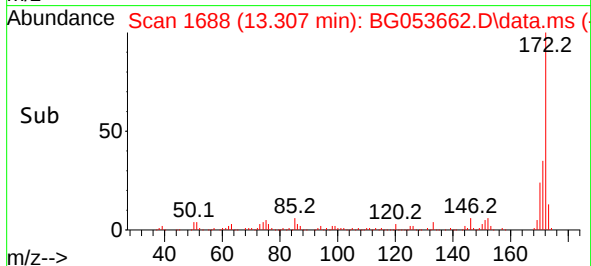
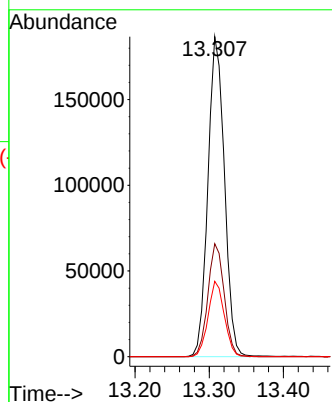
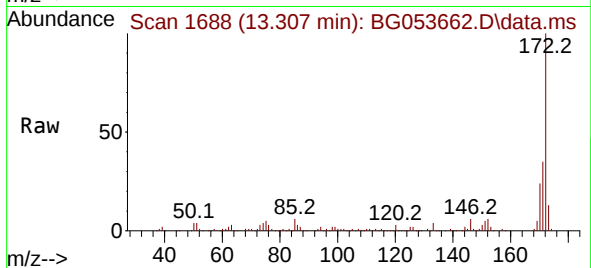
Tgt Ion:172 Resp: 288736

Ion Ratio Lower Upper

172 100

171 35.3 28.5 42.7

170 23.5 18.9 28.3



#51

2,6-Dinitrotoluene

Concen: 8.257 ng

RT: 14.688 min Scan# 1923

Delta R.T. 0.427 min

Lab File: BG053662.D

Acq: 23 May 2022 13:32

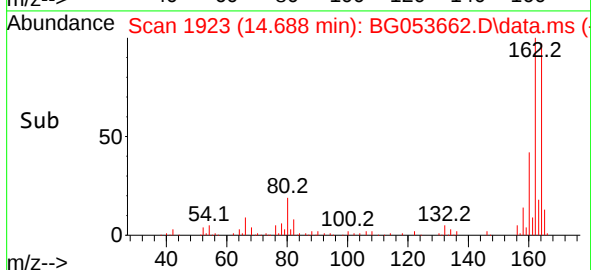
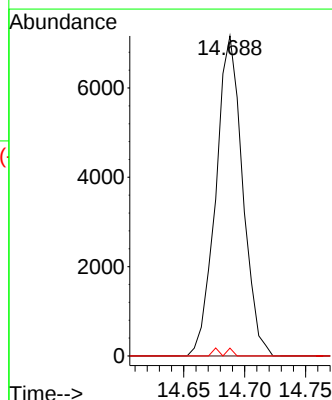
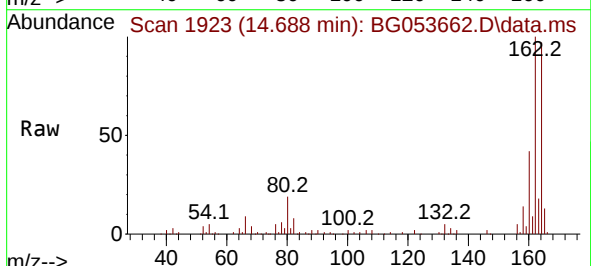
Tgt Ion:165 Resp: 10955

Ion Ratio Lower Upper

165 100

63 0.0 54.1 81.1#

89 2.5 54.8 82.2#

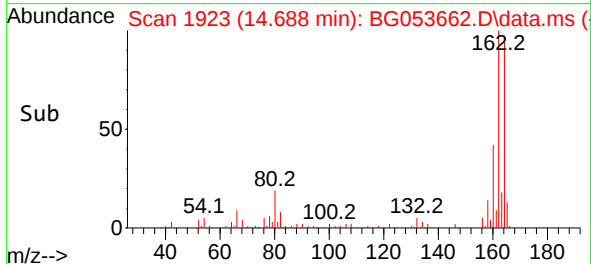
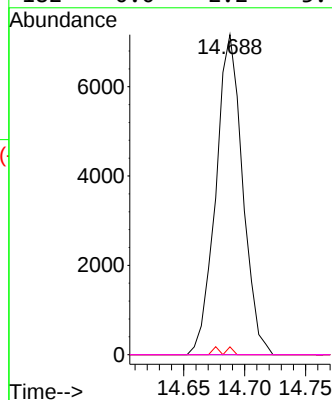
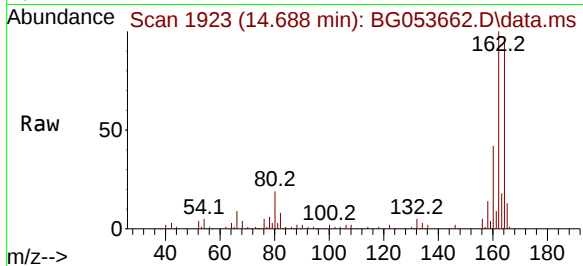




#57
2,4-Dinitrotoluene
Concen: 5.697 ng
RT: 14.688 min Scan# 1923
Delta R.T. -0.366 min
Lab File: BG053662.D
Acq: 23 May 2022 13:32

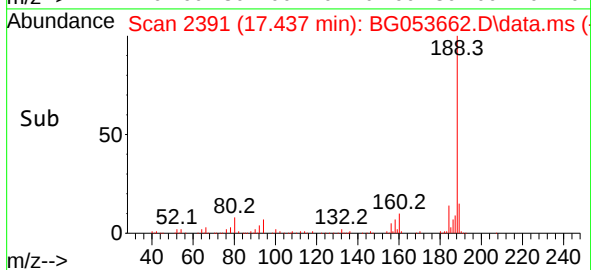
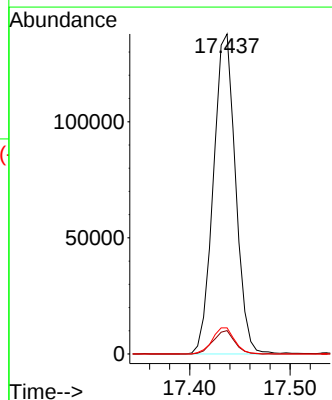
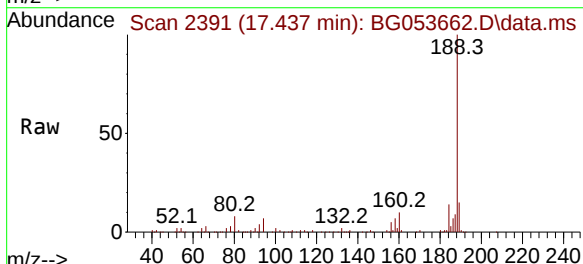
Instrument :
BNA_G
ClientSampleId :
P-4

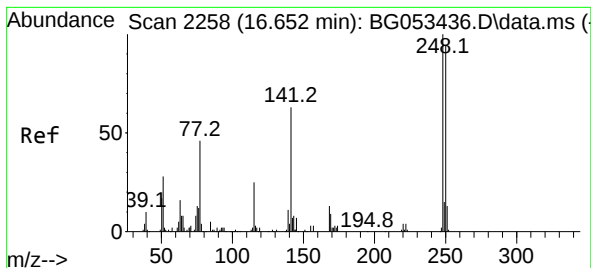
Tgt Ion:165 Resp: 10955
Ion Ratio Lower Upper
165 100
63 0.0 34.6 52.0#
89 2.5 60.3 90.5#
182 0.0 2.2 3.4#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.437 min Scan# 2391
Delta R.T. -0.002 min
Lab File: BG053662.D
Acq: 23 May 2022 13:32

Tgt Ion:188 Resp: 211321
Ion Ratio Lower Upper
188 100
94 7.3 5.4 8.0
80 8.2 6.8 10.2

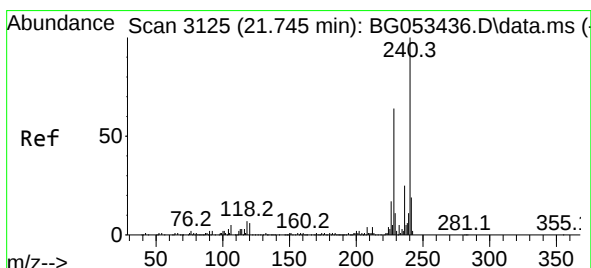
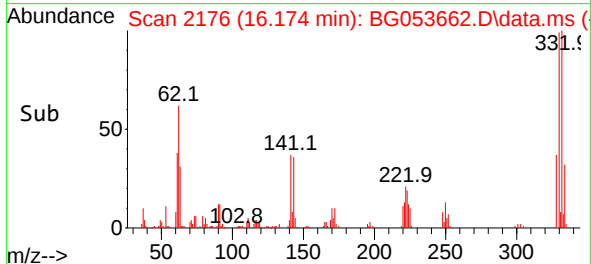
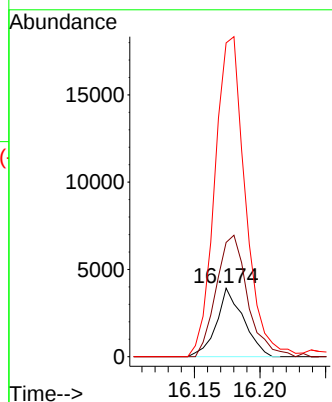
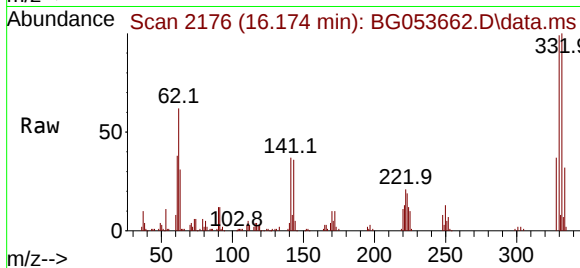




#67
4-Bromophenyl-phenylether
Concen: 2.271 ng
RT: 16.174 min Scan# 2119
Delta R.T. -0.443 min
Lab File: BG053662.D
Acq: 23 May 2022 13:32

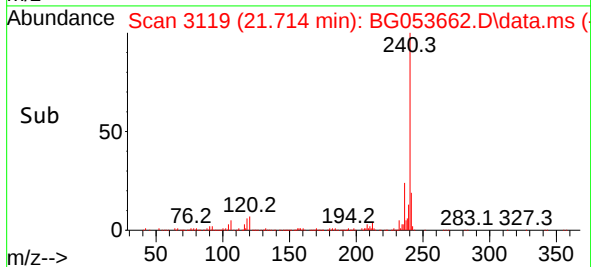
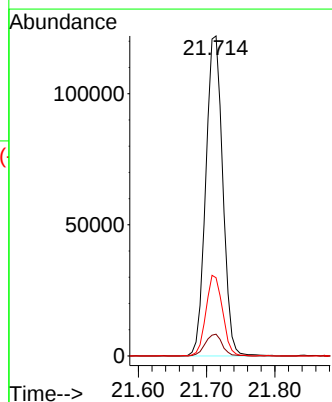
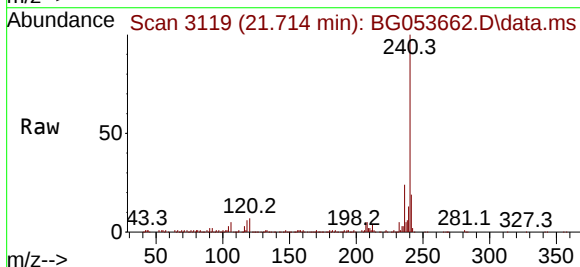
Instrument :
BNA_G
ClientSampleId :
P-4

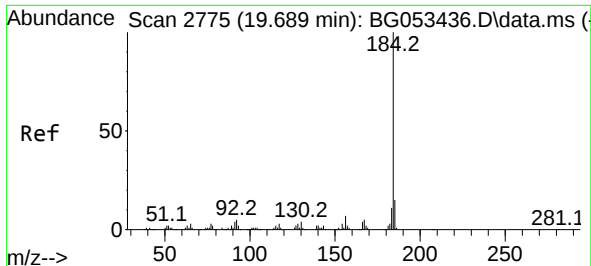
Tgt Ion:248 Resp: 5605
Ion Ratio Lower Upper
248 100
250 166.7 75.2 112.8#
141 458.1 50.0 75.0#



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.714 min Scan# 3119
Delta R.T. -0.002 min
Lab File: BG053662.D
Acq: 23 May 2022 13:32

Tgt Ion:240 Resp: 210781
Ion Ratio Lower Upper
240 100
120 6.8 4.6 7.0
236 24.5 20.2 30.4

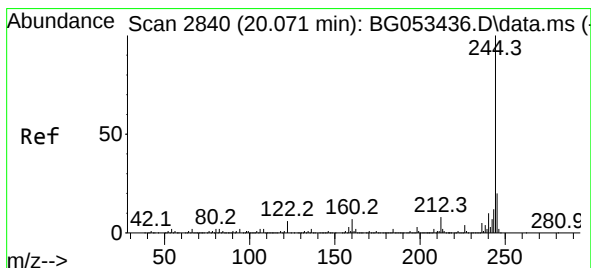
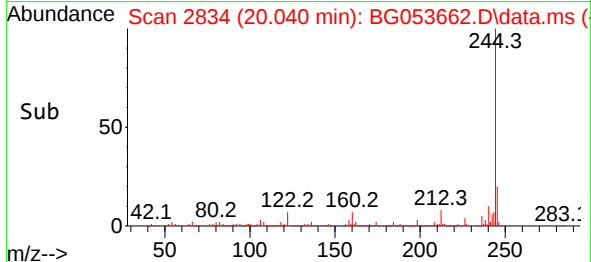
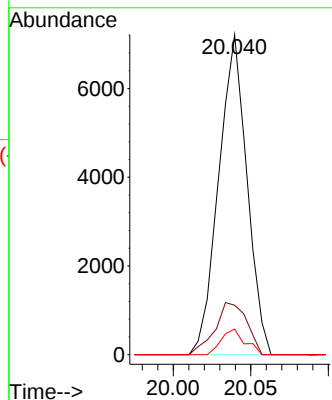
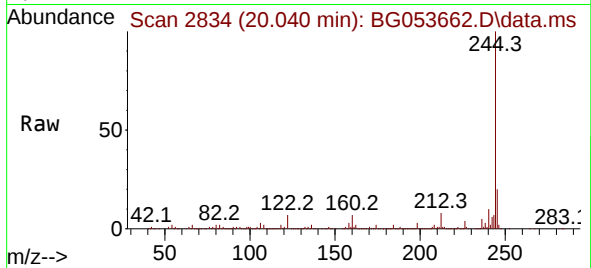




#77
Benzidine
Concen: 2.012 ng
RT: 20.040 min Scan# 2834
Delta R.T. 0.380 min
Lab File: BG053662.D
Acq: 23 May 2022 13:32

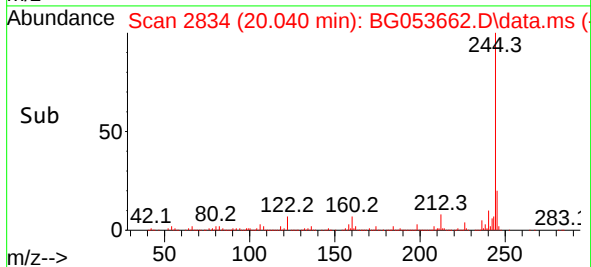
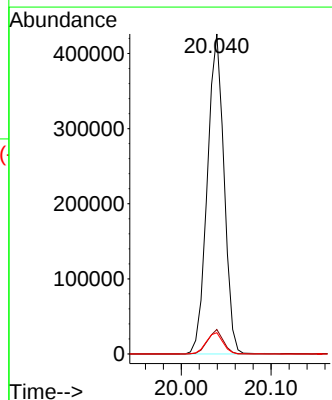
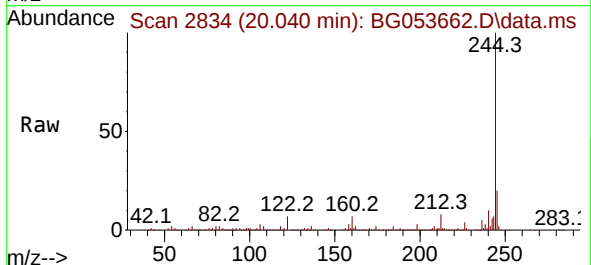
Instrument :
BNA_G
ClientSampleId :
P-4

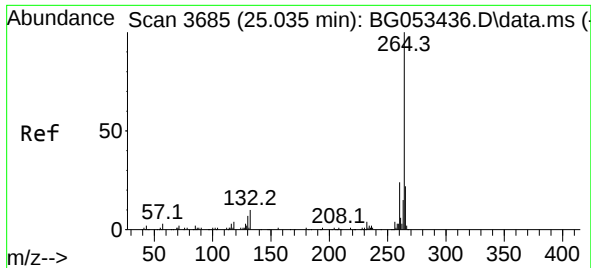
Tgt Ion:184 Resp: 9139
Ion Ratio Lower Upper
184 100
185 15.4 11.8 17.6
183 8.0 8.9 13.3#



#79
Terphenyl-d14
Concen: 48.585 ng
RT: 20.040 min Scan# 2834
Delta R.T. -0.002 min
Lab File: BG053662.D
Acq: 23 May 2022 13:32

Tgt Ion:244 Resp: 549846
Ion Ratio Lower Upper
244 100
212 7.7 6.5 9.7
122 6.6 5.0 7.4





#86
Perylene-d12
Concen: 20.000 ng
RT: 24.974 min Scan# 30
Delta R.T. -0.008 min
Lab File: BG053662.D
Acq: 23 May 2022 13:32

Instrument :
BNA_G
ClientSampleId :
P-4

Tgt Ion:264 Resp: 209411

Ion	Ratio	Lower	Upper
264	100		
260	22.3	19.0	28.6
265	21.3	17.4	26.2

