

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG051822\
 Data File : BG053621.D
 Acq On : 19 May 2022 2:36
 Operator : CG/JU
 Sample : N2907-03
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 GC-3

Quant Time: May 19 05:14:04 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG050522.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed May 11 06:00:46 2022
 Response via : Initial Calibration

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

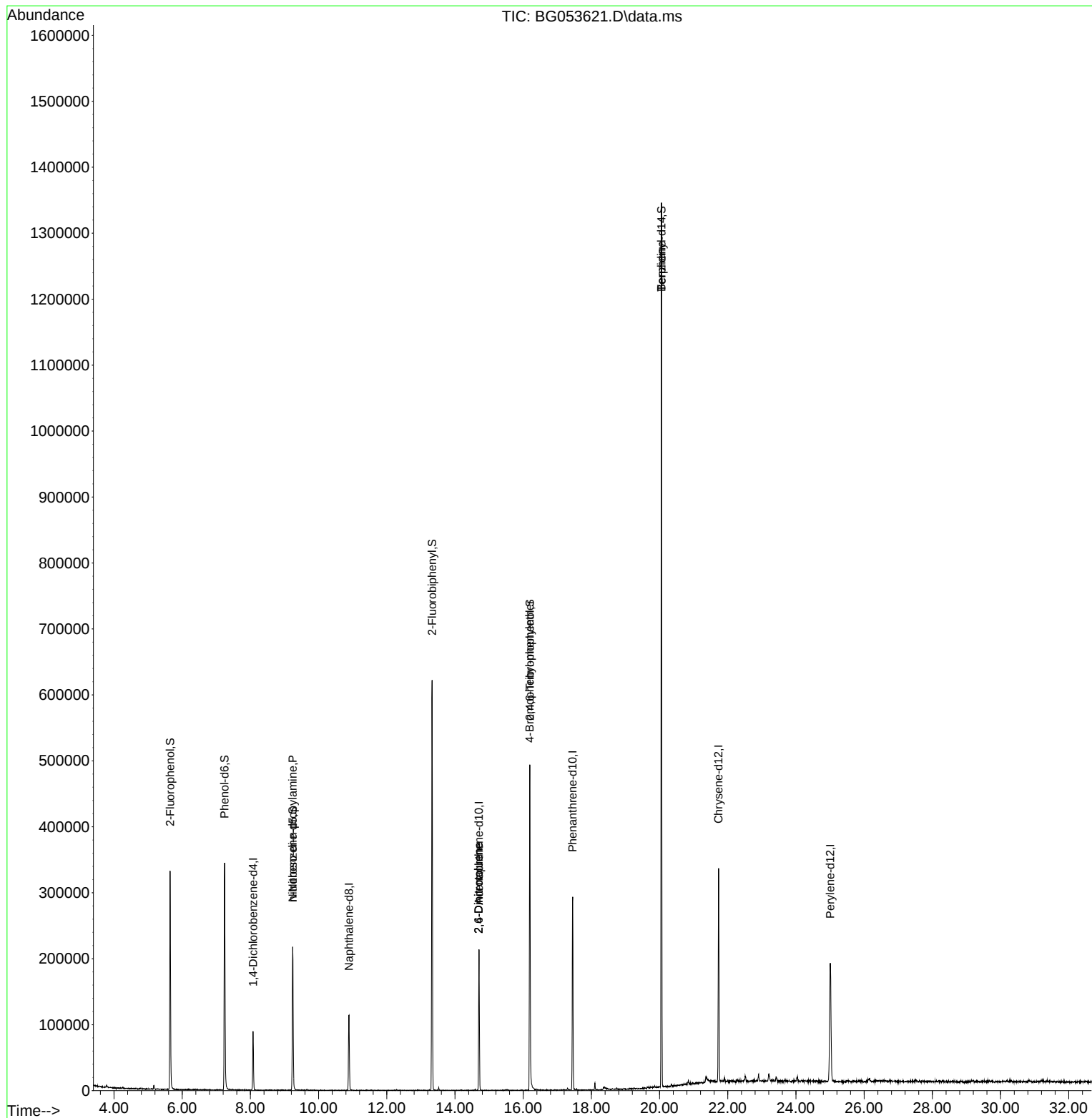
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.076	152	23505	20.000	ng	-0.01
21) Naphthalene-d8	10.890	136	97522	20.000	ng	0.00
39) Acenaphthene-d10	14.703	164	78606	20.000	ng	-0.01
64) Phenanthrene-d10	17.452	188	198290	20.000	ng	0.00
76) Chrysene-d12	21.728	240	206013	20.000	ng	-0.01
86) Perylene-d12	25.006	264	206638	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.644	112	136211	98.349	ng	0.00
7) Phenol-d6	7.242	99	201536	95.882	ng	0.00
23) Nitrobenzene-d5	9.239	82	143940	62.830	ng	-0.01
42) 2,4,6-Tribromophenol	16.195	330	105330	90.853	ng	0.00
45) 2-Fluorobiphenyl	13.328	172	332234	61.762	ng	0.00
79) Terphenyl-d14	20.054	244	669068	60.487	ng	0.00
Target Compounds						
					Qvalue	
19) n-Nitroso-di-n-propyla...	9.239	70	20918	13.870	ng	# 71
51) 2,6-Dinitrotoluene	14.697	165	9844	8.089	ng	# 16
57) 2,4-Dinitrotoluene	14.697	165	9844	5.581	ng	# 21
67) 4-Bromophenyl-phenylether	16.189	248	6668	2.879	ng	# 1
77) Benzidine	20.054	184	11382	2.563	ng	# 93

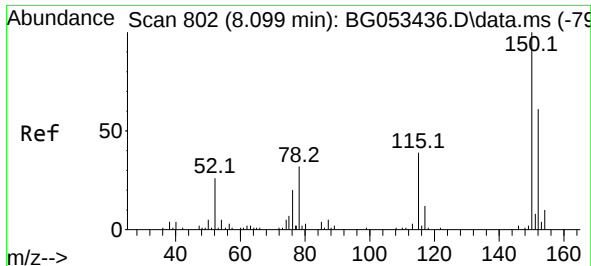
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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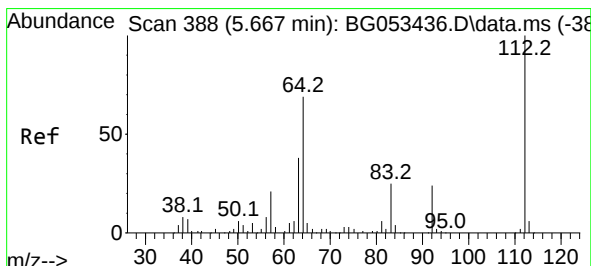
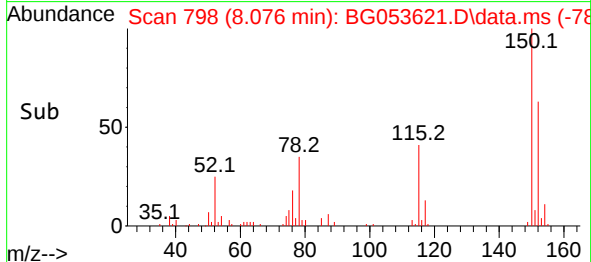
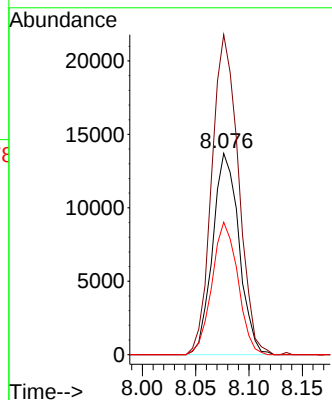
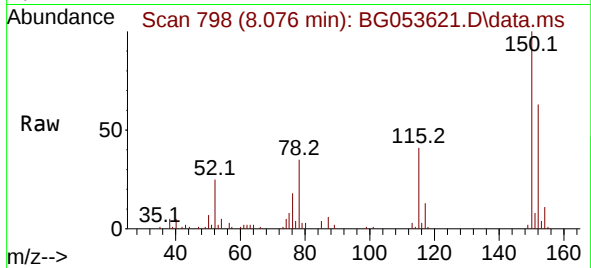




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.076 min Scan# 79
Delta R.T. -0.013 min
Lab File: BG053621.D
Acq: 19 May 2022 2:36

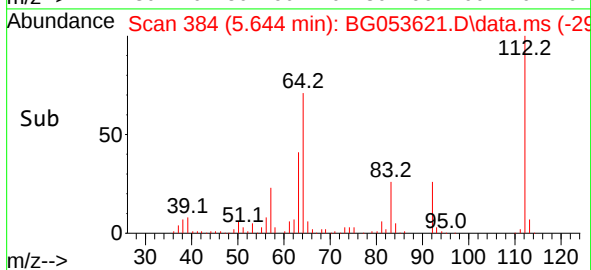
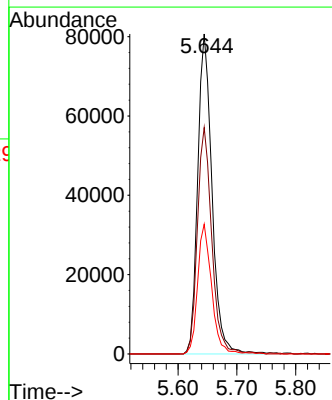
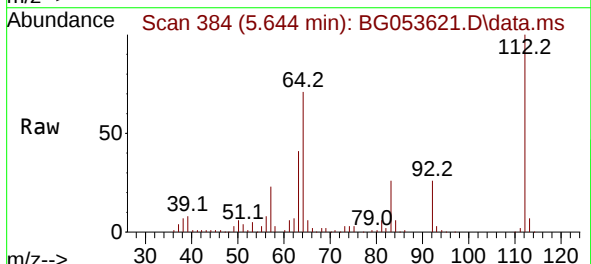
Instrument :
BNA_G
ClientSampleId :
GC-3

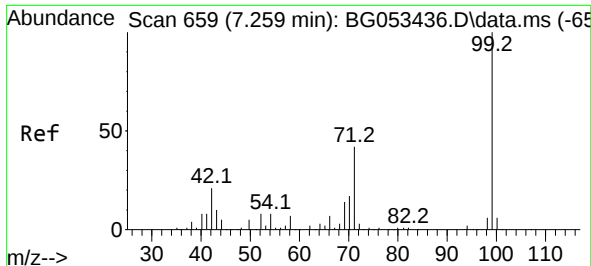
Tgt Ion:152 Resp: 23505
Ion Ratio Lower Upper
152 100
150 159.0 131.6 197.4
115 65.8 50.9 76.3



#5
2-Fluorophenol
Concen: 98.349 ng
RT: 5.644 min Scan# 384
Delta R.T. -0.007 min
Lab File: BG053621.D
Acq: 19 May 2022 2:36

Tgt Ion:112 Resp: 136211
Ion Ratio Lower Upper
112 100
64 70.8 55.1 82.7
63 40.6 30.4 45.6

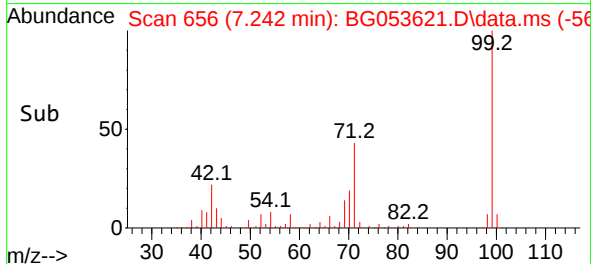
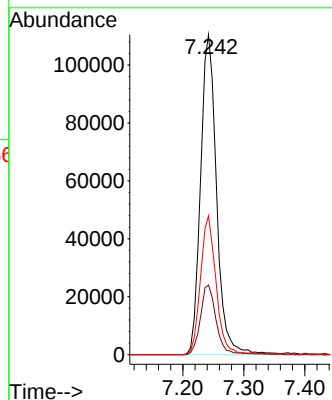
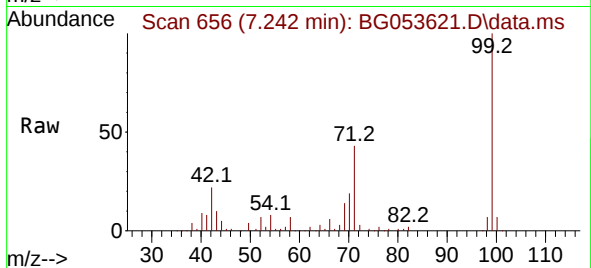




#7
Phenol-d6
Concen: 95.882 ng
RT: 7.242 min Scan# 611
Delta R.T. -0.007 min
Lab File: BG053621.D
Acq: 19 May 2022 2:36

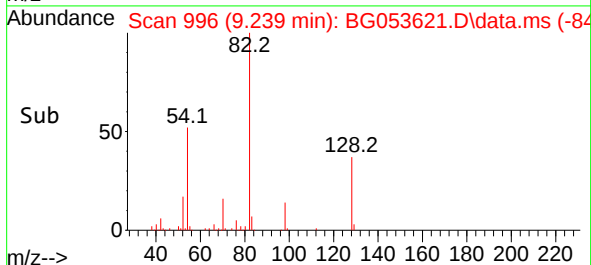
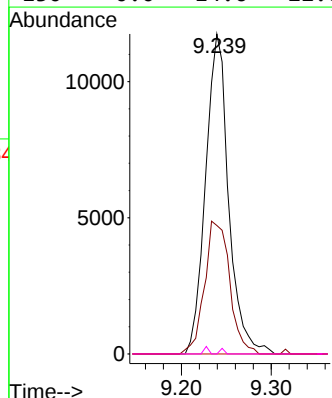
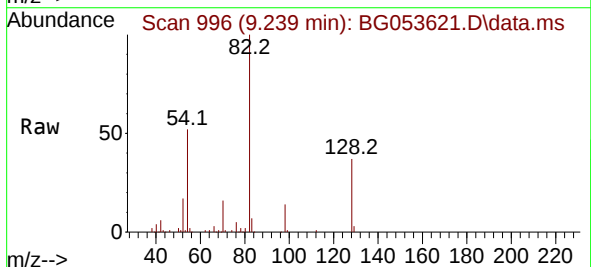
Instrument :
BNA_G
ClientSampleId :
GC-3

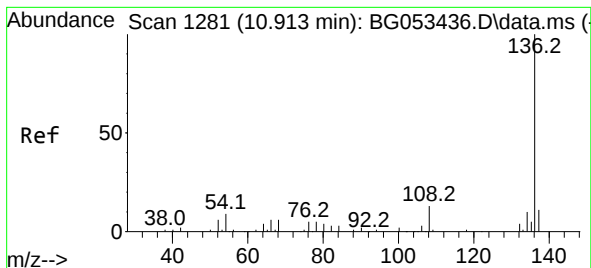
Tgt Ion: 99 Resp: 201536
Ion Ratio Lower Upper
99 100
42 21.7 17.0 25.6
71 43.4 33.8 50.8



#19
n-Nitroso-di-n-propylamine
Concen: 13.870 ng
RT: 9.239 min Scan# 996
Delta R.T. 0.351 min
Lab File: BG053621.D
Acq: 19 May 2022 2:36

Tgt Ion: 70 Resp: 20918
Ion Ratio Lower Upper
70 100
42 40.1 47.3 70.9#
101 0.0 7.0 10.4#
130 0.0 14.6 22.0#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.890 min Scan# 11

Delta R.T. -0.007 min

Lab File: BG053621.D

Acq: 19 May 2022 2:36

Instrument :

BNA_G

ClientSampleId :

GC-3

Tgt Ion:136 Resp: 97522

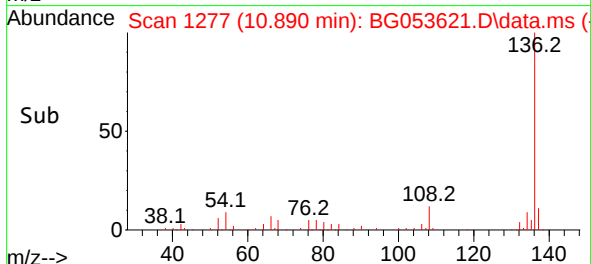
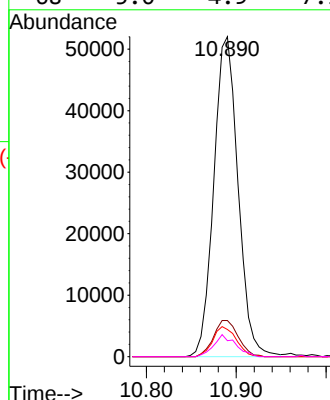
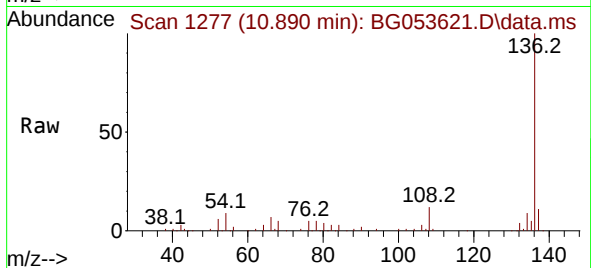
Ion Ratio Lower Upper

136 100

137 11.3 8.5 12.7

54 8.5 7.4 11.2

68 5.0 4.9 7.3



#23

Nitrobenzene-d5

Concen: 62.830 ng

RT: 9.239 min Scan# 996

Delta R.T. -0.013 min

Lab File: BG053621.D

Acq: 19 May 2022 2:36

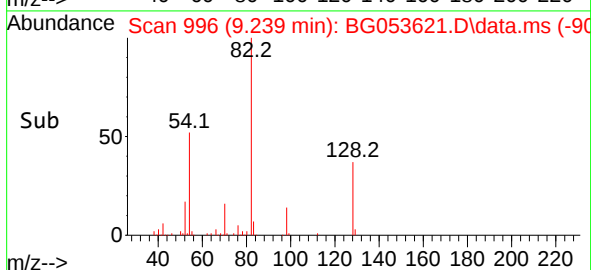
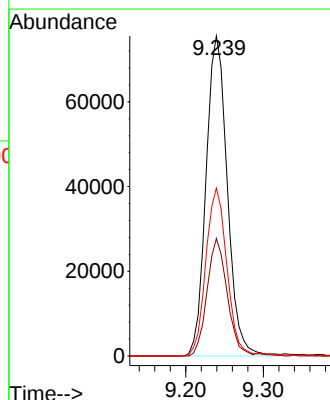
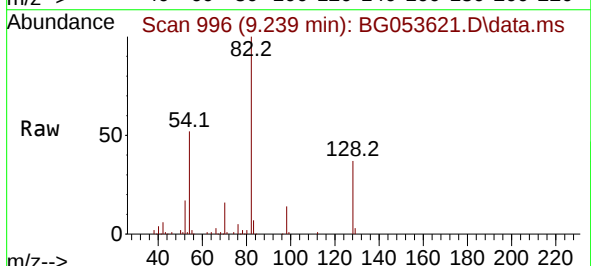
Tgt Ion: 82 Resp: 143940

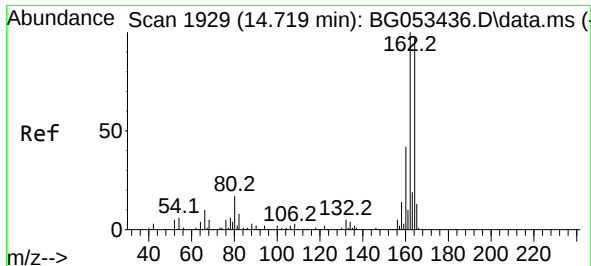
Ion Ratio Lower Upper

82 100

128 36.7 27.9 41.9

54 52.4 41.2 61.8

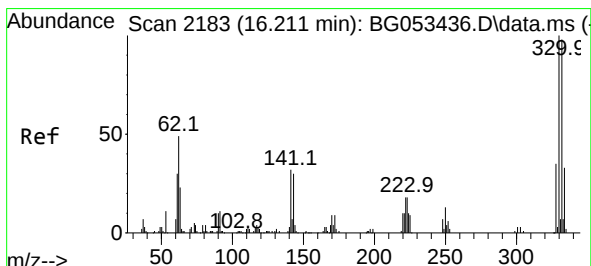
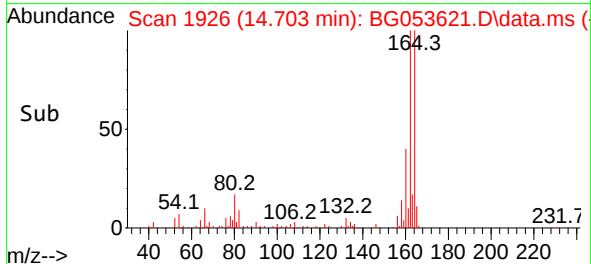
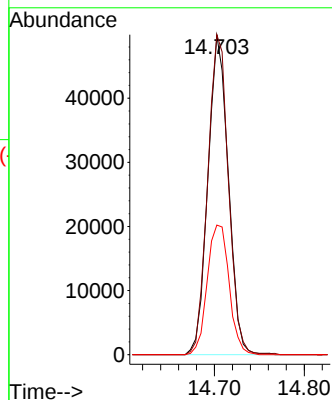
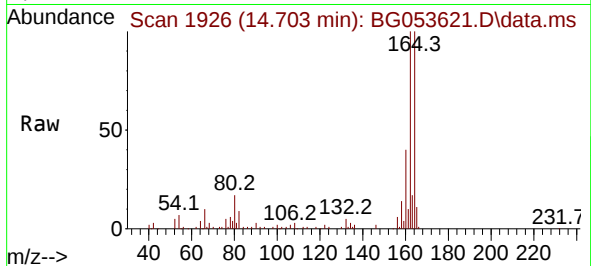




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.703 min Scan# 1929
Delta R.T. -0.013 min
Lab File: BG053621.D
Acq: 19 May 2022 2:36

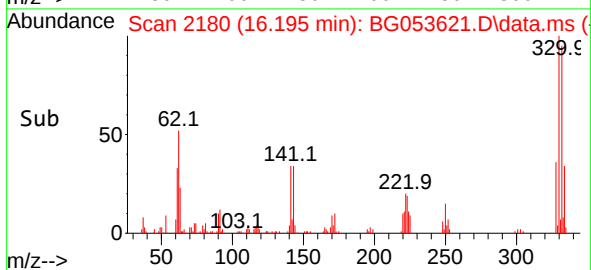
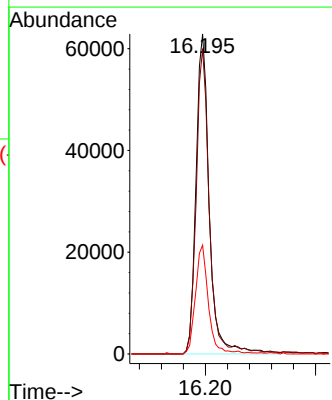
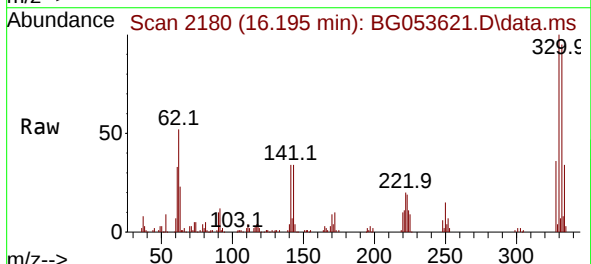
Instrument :
BNA_G
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Tgt Ion:164 Resp: 78606
Ion Ratio Lower Upper
164 100
162 100.3 82.3 123.5
160 40.6 34.2 51.2



#42
2,4,6-Tribromophenol
Concen: 90.853 ng
RT: 16.195 min Scan# 2180
Delta R.T. -0.007 min
Lab File: BG053621.D
Acq: 19 May 2022 2:36

Tgt Ion:330 Resp: 105330
Ion Ratio Lower Upper
330 100
332 95.2 76.0 114.0
141 33.6 27.1 40.7

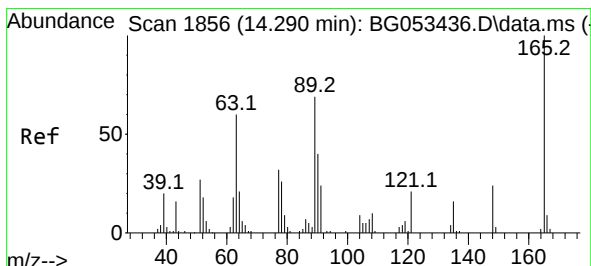
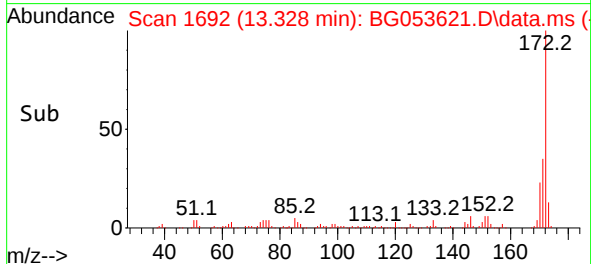
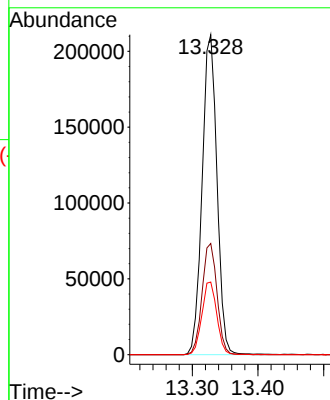
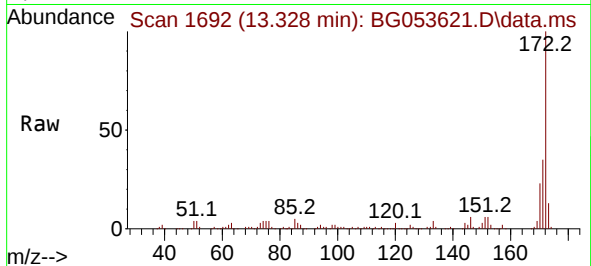




#45
2-Fluorobiphenyl
Concen: 61.762 ng
RT: 13.328 min Scan# 1
Delta R.T. -0.007 min
Lab File: BG053621.D
Acq: 19 May 2022 2:36

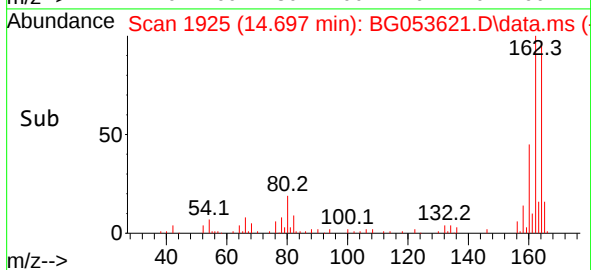
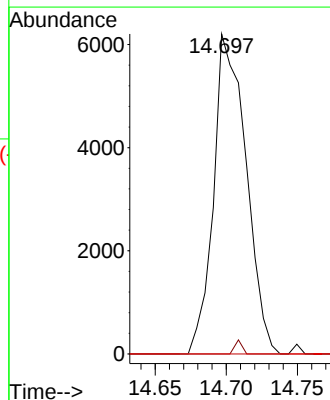
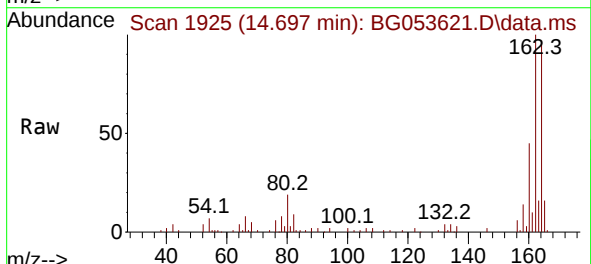
Instrument :
BNA_G
ClientSampleId :
GC-3

Tgt Ion:172 Resp: 332234
Ion Ratio Lower Upper
172 100
171 34.8 28.5 42.7
170 22.7 18.9 28.3



#51
2,6-Dinitrotoluene
Concen: 8.089 ng
RT: 14.697 min Scan# 1925
Delta R.T. 0.416 min
Lab File: BG053621.D
Acq: 19 May 2022 2:36

Tgt Ion:165 Resp: 9844
Ion Ratio Lower Upper
165 100
63 0.0 54.1 81.1#
89 0.0 54.8 82.2#





#57

2,4-Dinitrotoluene

Concen: 5.581 ng

RT: 14.697 min Scan# 1991

Delta R.T. -0.377 min

Lab File: BG053621.D

Acq: 19 May 2022 2:36

Instrument :

BNA_G

ClientSampleId :

GC-3

Tgt Ion:165 Resp: 9844

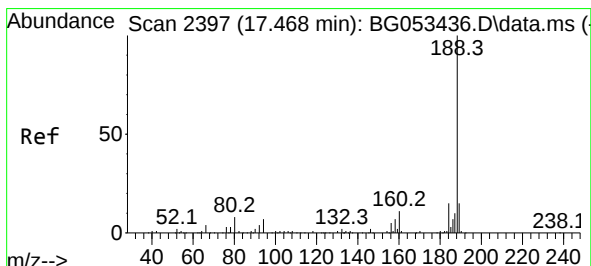
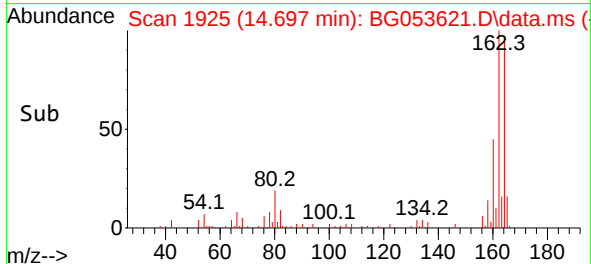
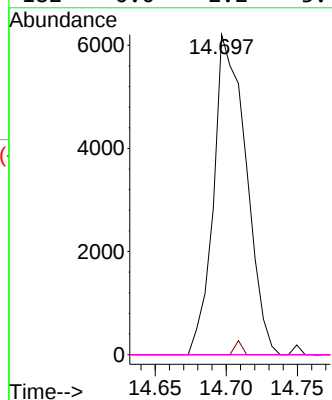
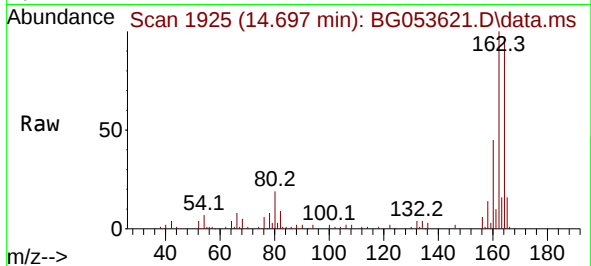
Ion Ratio Lower Upper

165 100

63 0.0 34.6 52.0#

89 0.0 60.3 90.5#

182 0.0 2.2 3.4#



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.452 min Scan# 2394

Delta R.T. -0.007 min

Lab File: BG053621.D

Acq: 19 May 2022 2:36

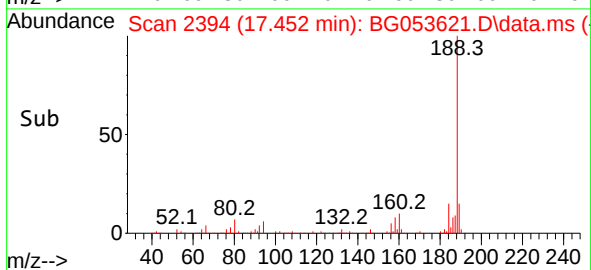
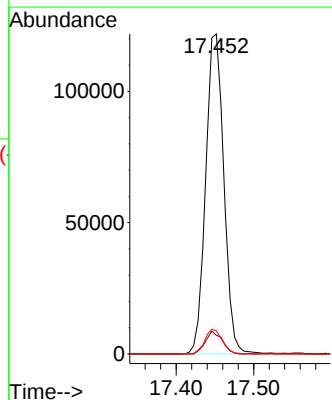
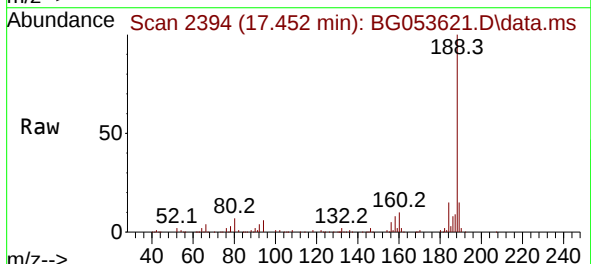
Tgt Ion:188 Resp: 198290

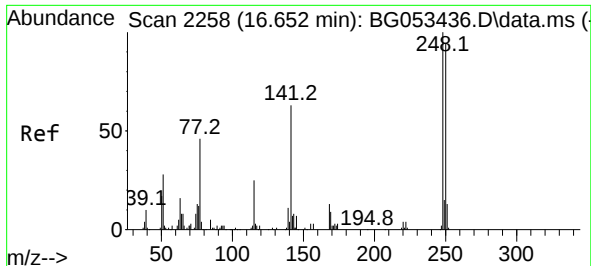
Ion Ratio Lower Upper

188 100

94 5.8 5.4 8.0

80 7.3 6.8 10.2

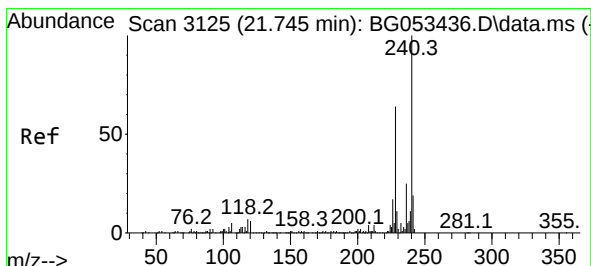
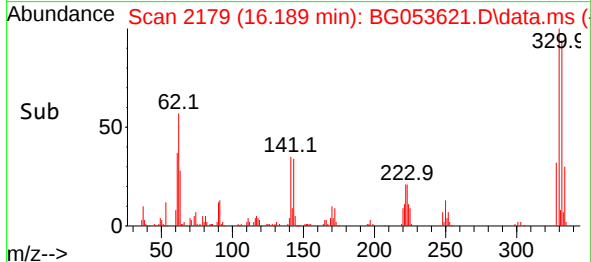
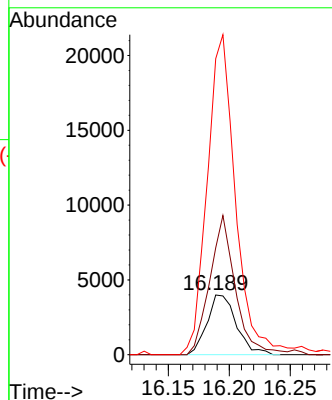
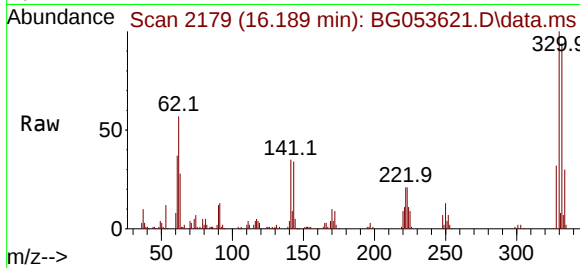




#67
4-Bromophenyl-phenylether
Concen: 2.879 ng
RT: 16.189 min Scan# 2179
Delta R.T. -0.454 min
Lab File: BG053621.D
Acq: 19 May 2022 2:36

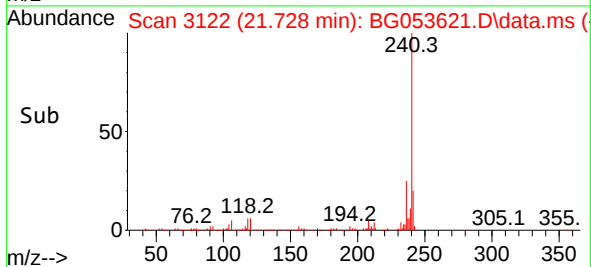
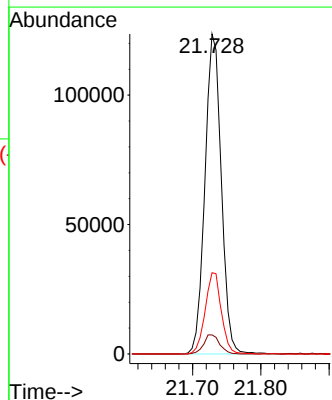
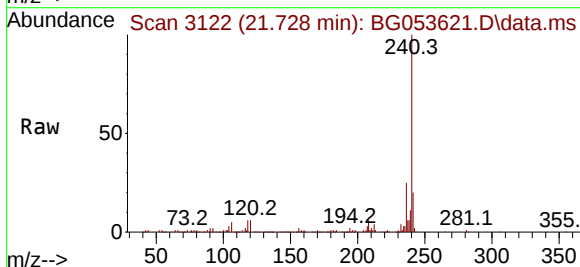
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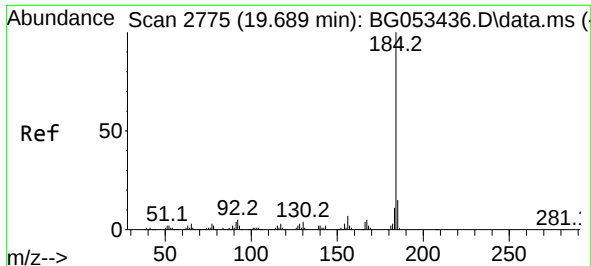
Tgt Ion:248 Resp: 6668
Ion Ratio Lower Upper
248 100
250 178.9 75.2 112.8#
141 495.7 50.0 75.0#



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.728 min Scan# 3122
Delta R.T. -0.013 min
Lab File: BG053621.D
Acq: 19 May 2022 2:36

Tgt Ion:240 Resp: 206013
Ion Ratio Lower Upper
240 100
120 6.0 4.6 7.0
236 25.4 20.2 30.4

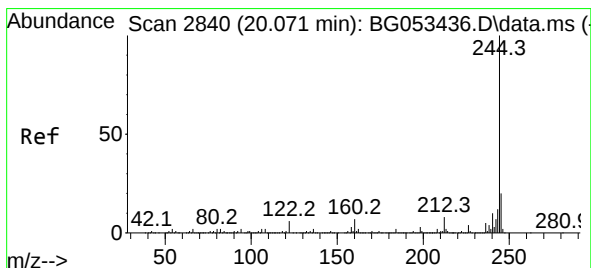
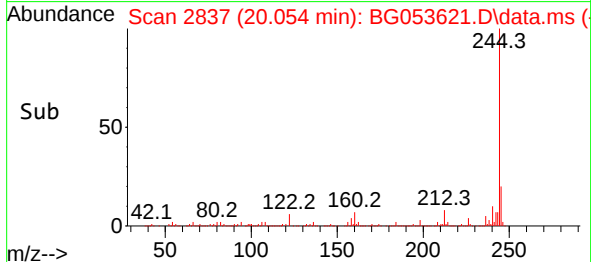
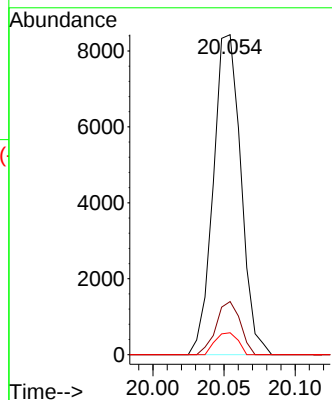
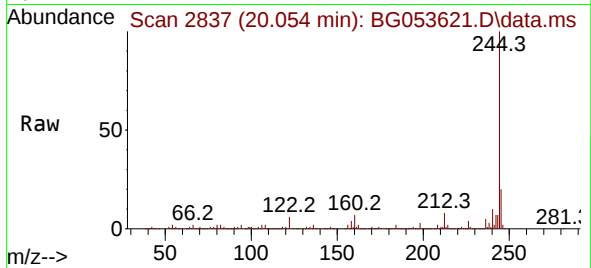




#77
Benzidine
Concen: 2.563 ng
RT: 20.054 min Scan# 2837
Delta R.T. 0.375 min
Lab File: BG053621.D
Acq: 19 May 2022 2:36

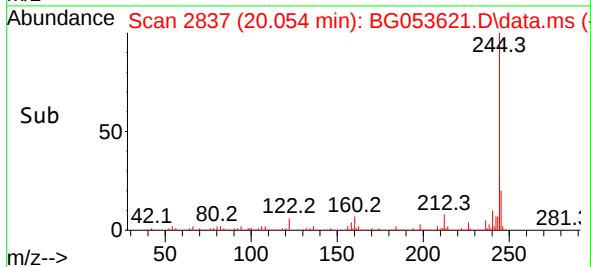
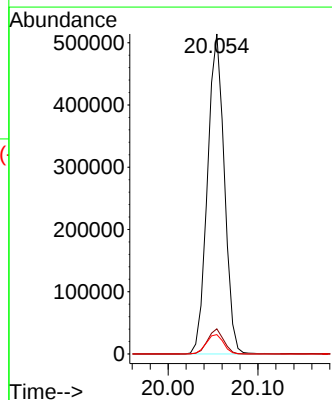
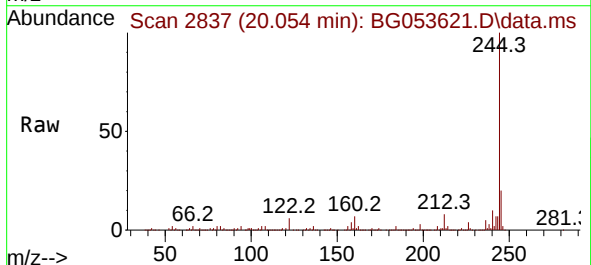
Instrument :
BNA_G
ClientSampleId :
GC-3

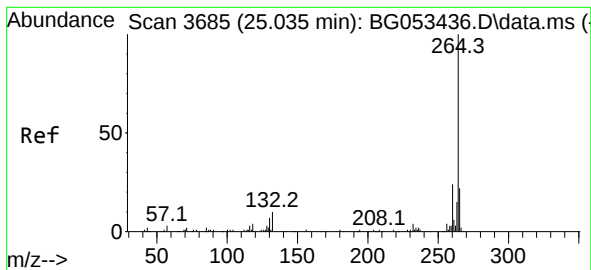
Tgt Ion:184 Resp: 11382
Ion Ratio Lower Upper
184 100
185 16.6 11.8 17.6
183 6.9 8.9 13.3#



#79
Terphenyl-d14
Concen: 60.487 ng
RT: 20.054 min Scan# 2837
Delta R.T. -0.007 min
Lab File: BG053621.D
Acq: 19 May 2022 2:36

Tgt Ion:244 Resp: 669068
Ion Ratio Lower Upper
244 100
212 7.8 6.5 9.7
122 6.1 5.0 7.4





#86

Perylene-d12

Concen: 20.000 ng

RT: 25.006 min Scan# 3

Delta R.T. -0.013 min

Lab File: BG053621.D

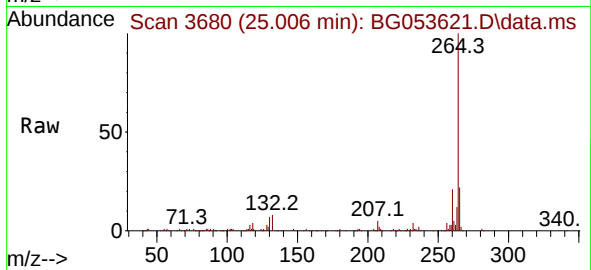
Acq: 19 May 2022 2:36

Instrument :

BNA_G

ClientSampleId :

GC-3



Tgt Ion:264 Resp: 206638

Ion Ratio Lower Upper

264 100

260 21.3 19.0 28.6

265 22.3 17.4 26.2

