

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG052422\
 Data File : BG053684.D
 Acq On : 24 May 2022 16:08
 Operator : CG/JU
 Sample : N2998-03
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 CON0523-B

Quant Time: May 24 16:40:07 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)

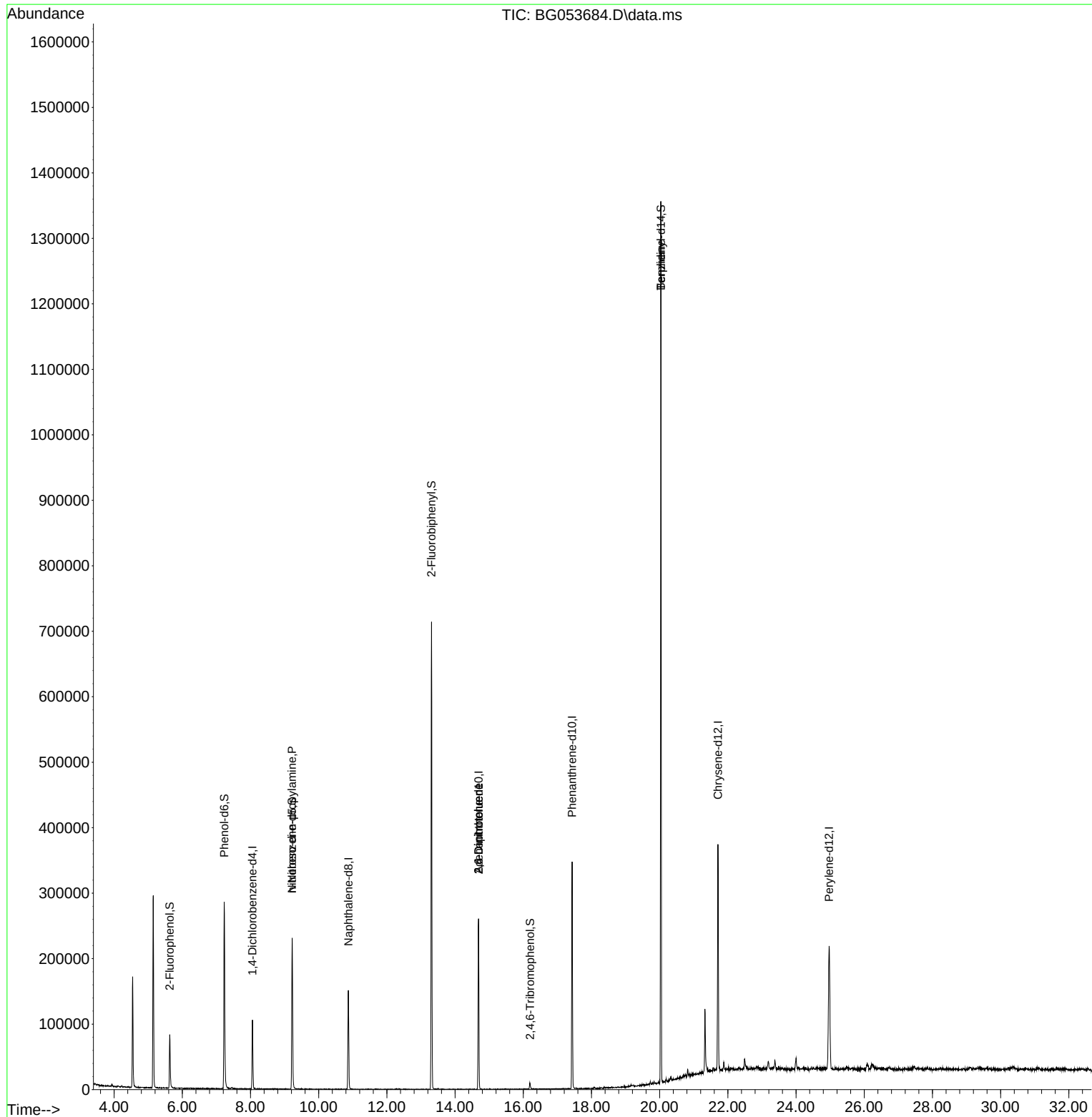
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.057	152	28995	20.000	ng	0.00
21) Naphthalene-d8	10.871	136	128121	20.000	ng	0.00
39) Acenaphthene-d10	14.689	164	98035	20.000	ng	0.00
64) Phenanthrene-d10	17.433	188	224645	20.000	ng	0.00
76) Chrysene-d12	21.709	240	211712	20.000	ng	0.00
86) Perylene-d12	24.970	264	210088	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.631	112	36987	21.649	ng	0.00
7) Phenol-d6	7.229	99	176512	68.076	ng	0.00
23) Nitrobenzene-d5	9.220	82	157550	52.346	ng	0.00
42) 2,4,6-Tribromophenol	16.199	330	3780	2.614	ng	0.02
45) 2-Fluorobiphenyl	13.309	172	376585	56.133	ng	0.00
79) Terphenyl-d14	20.035	244	656210	57.728	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propyla...	9.220	70	21519	11.567	ng	# 76
51) 2,6-Dinitrotoluene	14.689	165	12797	8.432	ng	# 17
57) 2,4-Dinitrotoluene	14.689	165	12797	5.817	ng	# 22
77) Benzidine	20.035	184	10626	2.329	ng	# 92

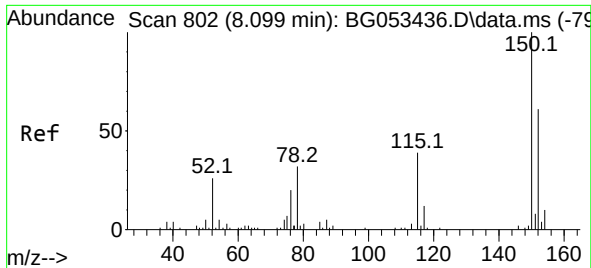
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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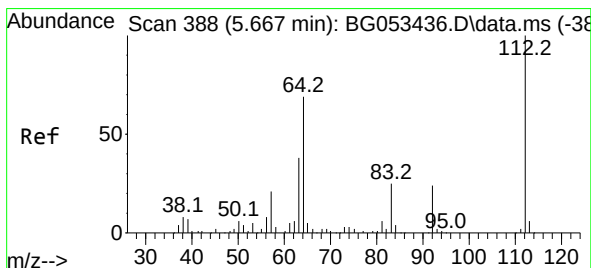
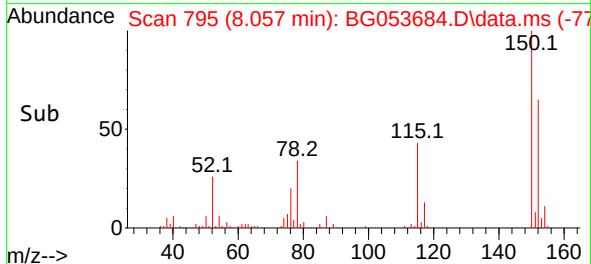
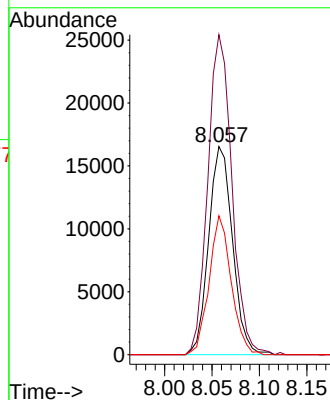
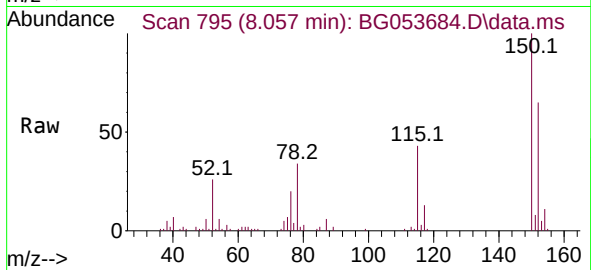




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.057 min Scan# 795
Delta R.T. -0.001 min
Lab File: BG053684.D
Acq: 24 May 2022 16:08

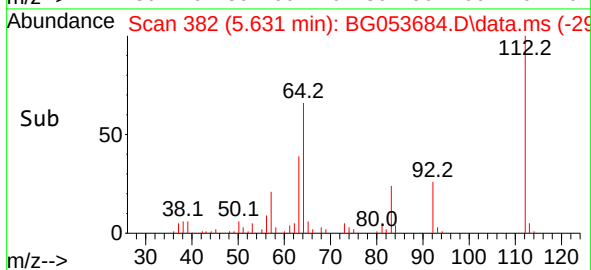
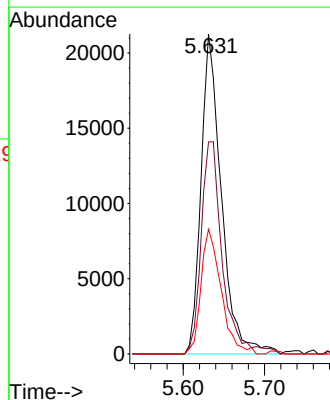
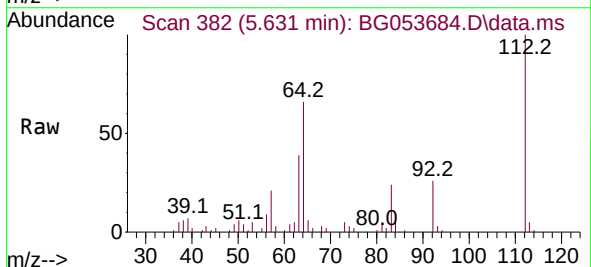
Instrument :
BNA_G
ClientSampleId :
CON0523-B

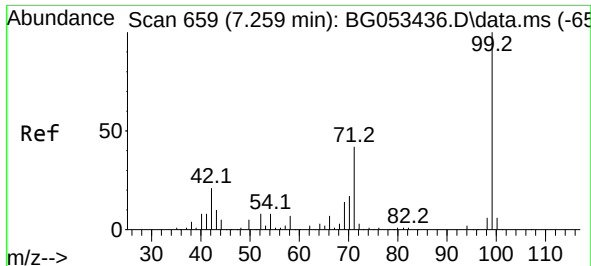
Tgt Ion:152 Resp: 28995
Ion Ratio Lower Upper
152 100
150 153.7 131.6 197.4
115 66.7 50.9 76.3



#5
2-Fluorophenol
Concen: 21.649 ng
RT: 5.631 min Scan# 382
Delta R.T. 0.005 min
Lab File: BG053684.D
Acq: 24 May 2022 16:08

Tgt Ion:112 Resp: 36987
Ion Ratio Lower Upper
112 100
64 66.3 55.1 82.7
63 38.9 30.4 45.6

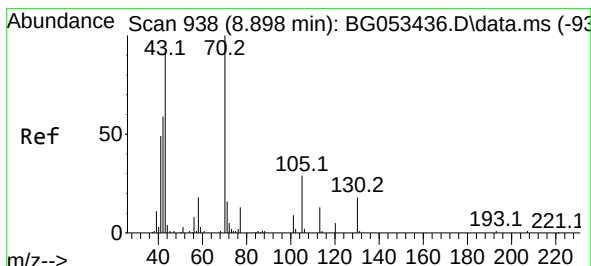
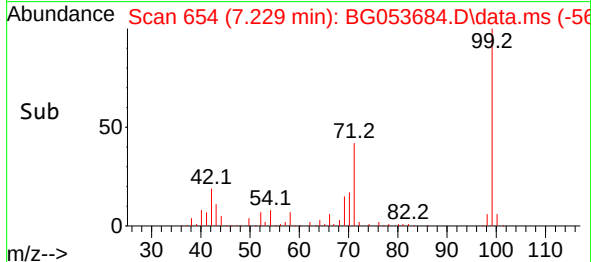
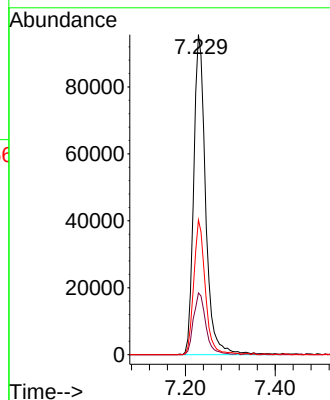
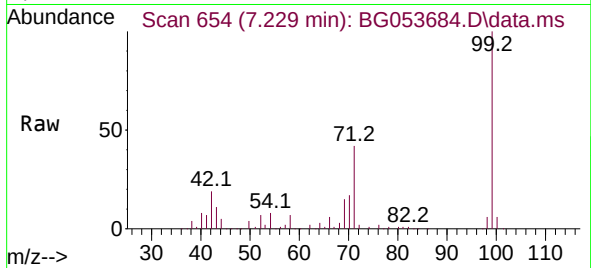




#7
Phenol-d6
Concen: 68.076 ng
RT: 7.229 min Scan# 61
Delta R.T. -0.000 min
Lab File: BG053684.D
Acq: 24 May 2022 16:08

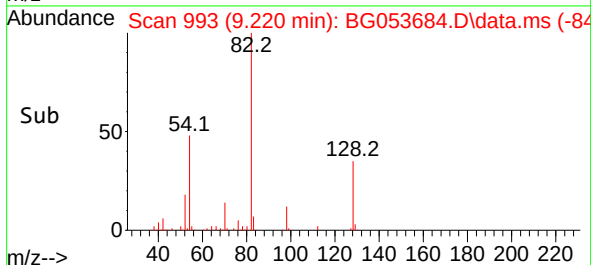
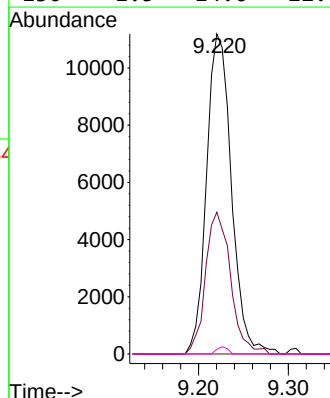
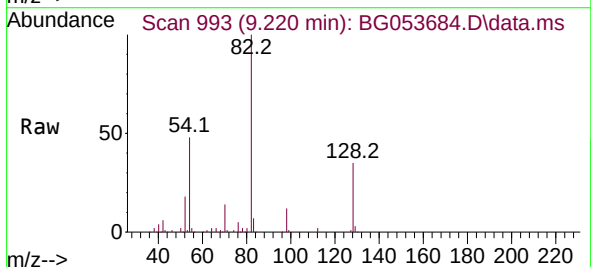
Instrument :
BNA_G
ClientSampleId :
CON0523-B

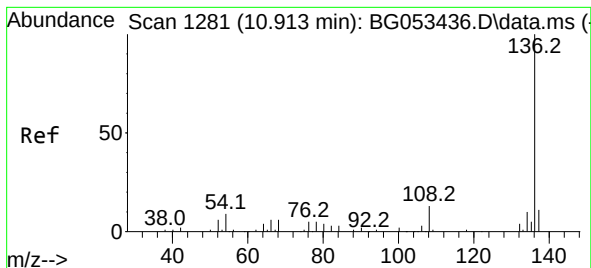
Tgt Ion: 99 Resp: 176512
Ion Ratio Lower Upper
99 100
42 19.3 17.0 25.6
71 42.1 33.8 50.8



#19
n-Nitroso-di-n-propylamine
Concen: 11.567 ng
RT: 9.220 min Scan# 993
Delta R.T. 0.358 min
Lab File: BG053684.D
Acq: 24 May 2022 16:08

Tgt Ion: 70 Resp: 21519
Ion Ratio Lower Upper
70 100
42 44.3 47.3 70.9#
101 0.0 7.0 10.4#
130 1.5 14.6 22.0#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.871 min Scan# 11

Delta R.T. -0.000 min

Lab File: BG053684.D

Acq: 24 May 2022 16:08

Instrument :

BNA_G

ClientSampleId :

CON0523-B

Tgt Ion:136 Resp: 128121

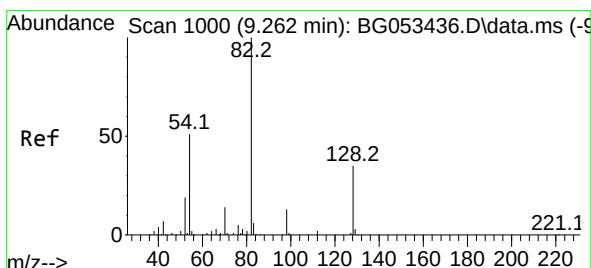
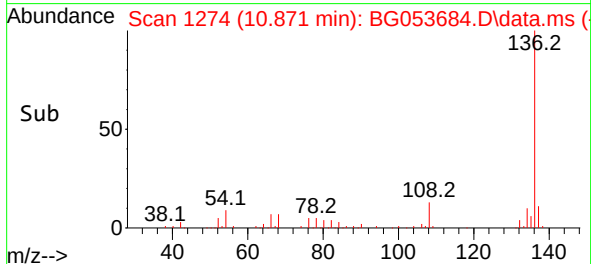
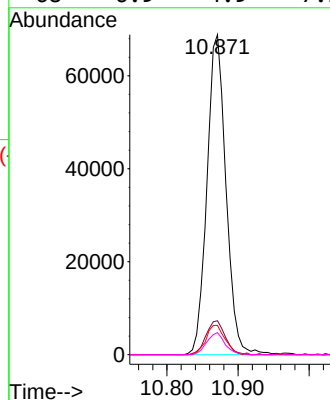
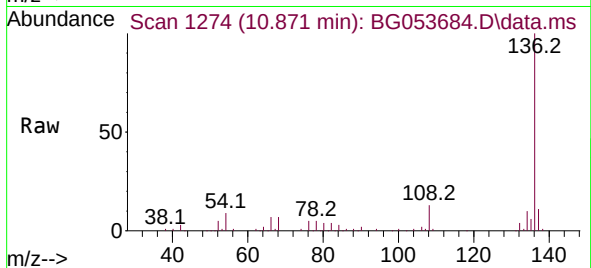
Ion Ratio Lower Upper

136 100

137 10.6 8.5 12.7

54 9.2 7.4 11.2

68 6.9 4.9 7.3



#23

Nitrobenzene-d5

Concen: 52.346 ng

RT: 9.220 min Scan# 993

Delta R.T. -0.006 min

Lab File: BG053684.D

Acq: 24 May 2022 16:08

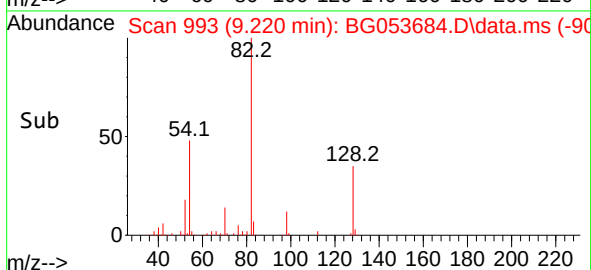
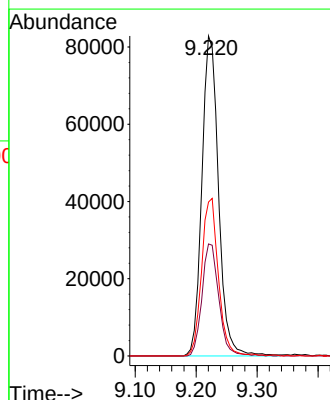
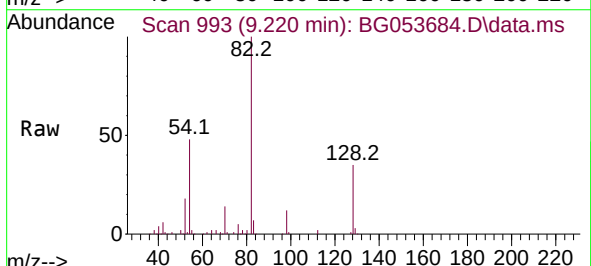
Tgt Ion: 82 Resp: 157550

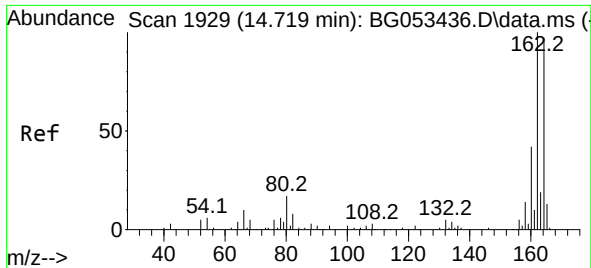
Ion Ratio Lower Upper

82 100

128 35.0 27.9 41.9

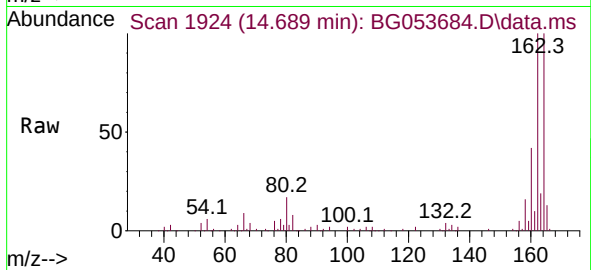
54 48.1 41.2 61.8



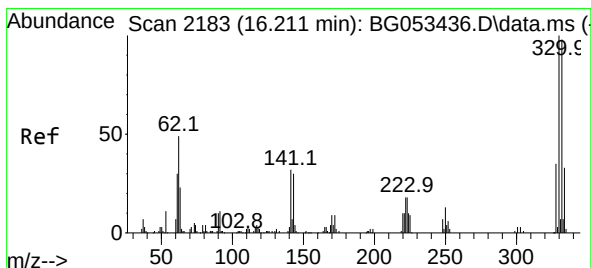
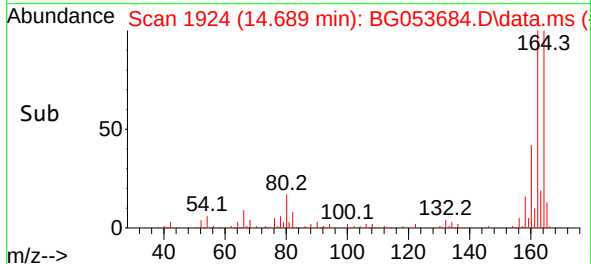
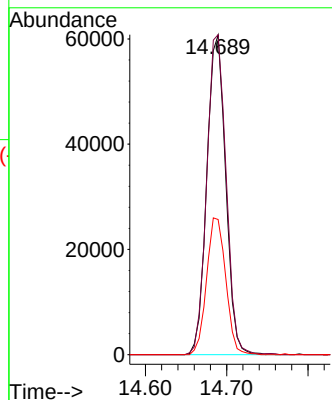


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.689 min Scan# 1924
Delta R.T. -0.000 min
Lab File: BG053684.D
Acq: 24 May 2022 16:08

Instrument :
BNA_G
ClientSampleId :
CON0523-B

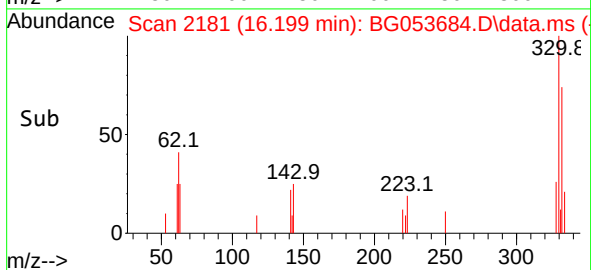
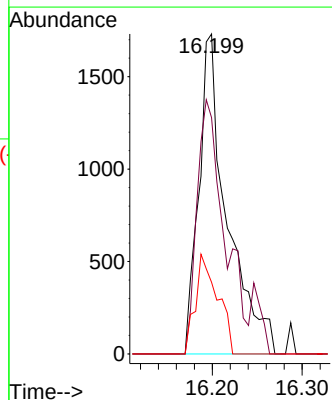
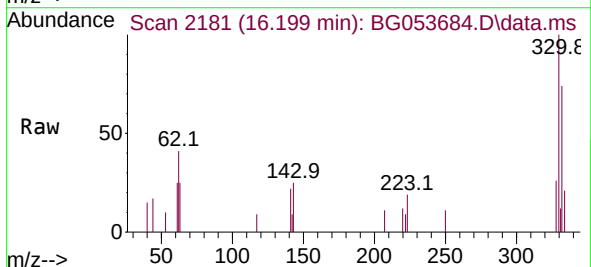


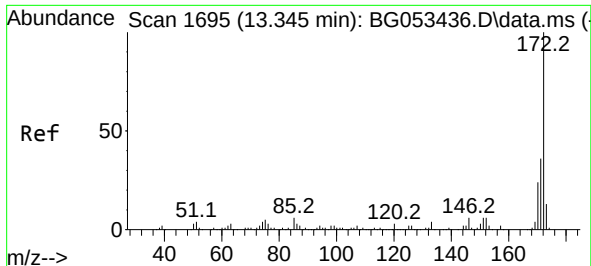
Tgt Ion:164 Resp: 98035
Ion Ratio Lower Upper
164 100
162 100.2 82.3 123.5
160 42.3 34.2 51.2



#42
2,4,6-Tribromophenol
Concen: 2.614 ng
RT: 16.199 min Scan# 2181
Delta R.T. 0.017 min
Lab File: BG053684.D
Acq: 24 May 2022 16:08

Tgt Ion:330 Resp: 3780
Ion Ratio Lower Upper
330 100
332 77.7 76.0 114.0
141 24.6 27.1 40.7#

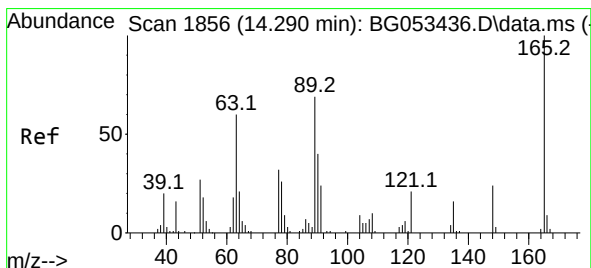
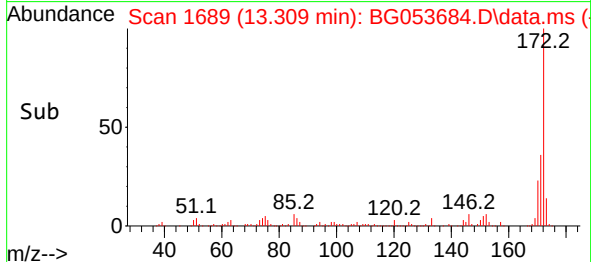
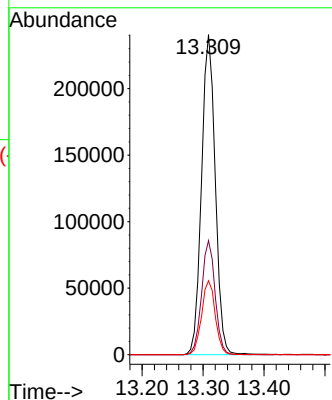
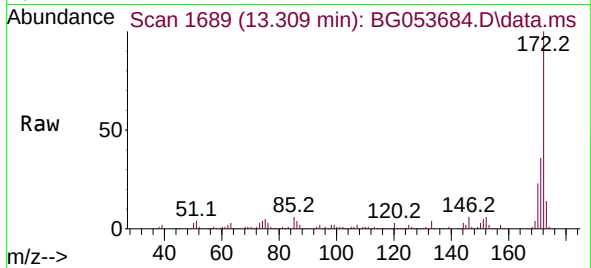




#45
2-Fluorobiphenyl
Concen: 56.133 ng
RT: 13.309 min Scan# 1
Delta R.T. -0.006 min
Lab File: BG053684.D
Acq: 24 May 2022 16:08

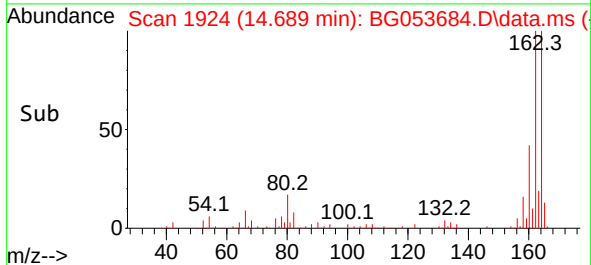
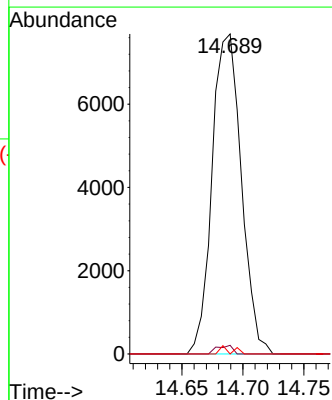
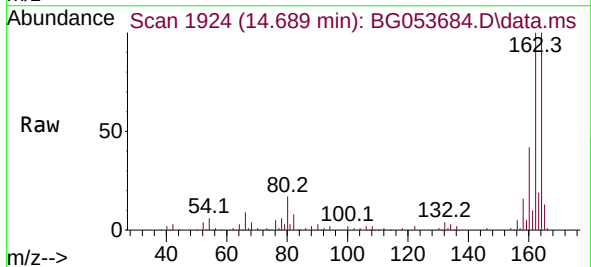
Instrument :
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ClientSampleId :
CON0523-B

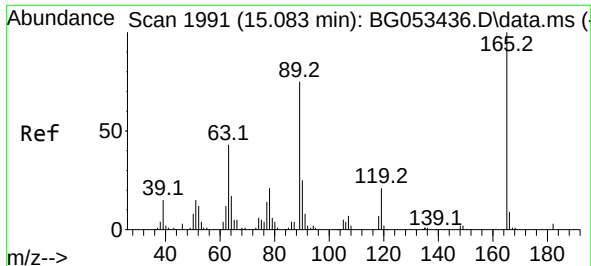
Tgt Ion:172 Resp: 376585
Ion Ratio Lower Upper
172 100
171 35.7 28.5 42.7
170 23.1 18.9 28.3



#51
2,6-Dinitrotoluene
Concen: 8.432 ng
RT: 14.689 min Scan# 1924
Delta R.T. 0.428 min
Lab File: BG053684.D
Acq: 24 May 2022 16:08

Tgt Ion:165 Resp: 12797
Ion Ratio Lower Upper
165 100
63 2.7 54.1 81.1#
89 0.0 54.8 82.2#

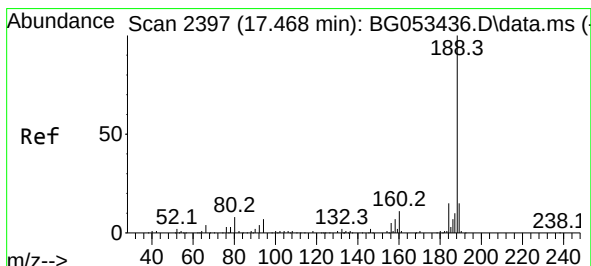
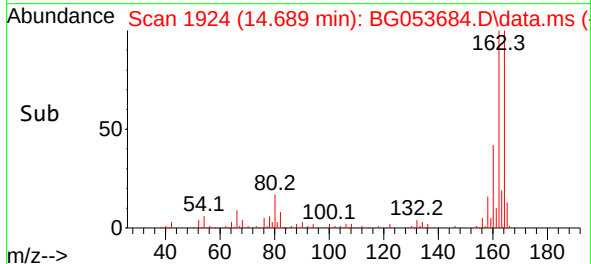
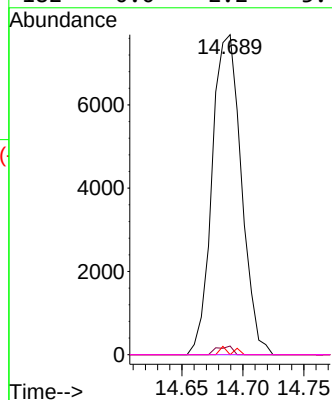
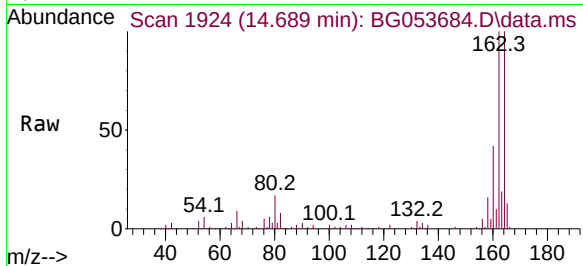




#57
2,4-Dinitrotoluene
Concen: 5.817 ng
RT: 14.689 min Scan# 1924
Delta R.T. -0.365 min
Lab File: BG053684.D
Acq: 24 May 2022 16:08

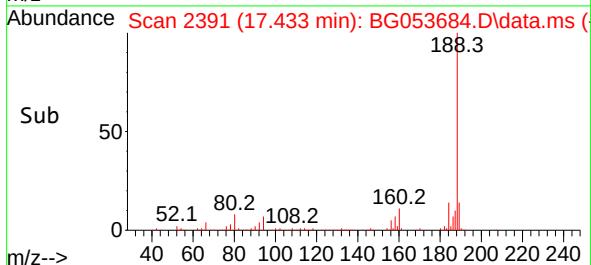
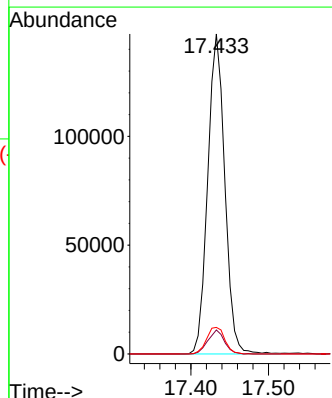
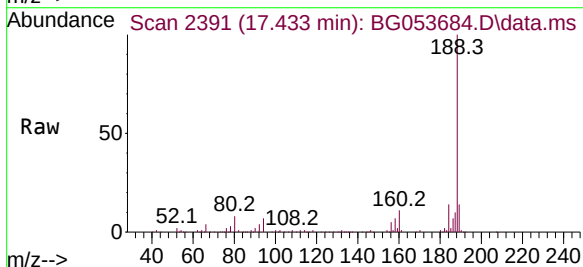
Instrument :
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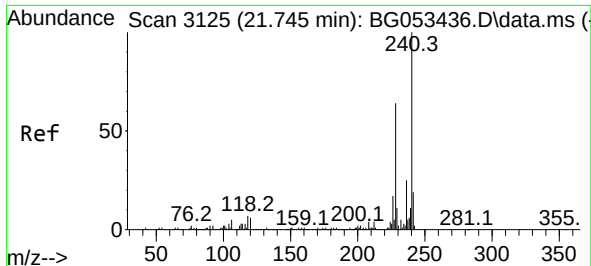
Tgt Ion:165 Resp: 12797
Ion Ratio Lower Upper
165 100
63 2.7 34.6 52.0#
89 0.0 60.3 90.5#
182 0.0 2.2 3.4#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.433 min Scan# 2391
Delta R.T. -0.006 min
Lab File: BG053684.D
Acq: 24 May 2022 16:08

Tgt Ion:188 Resp: 224645
Ion Ratio Lower Upper
188 100
94 7.5 5.4 8.0
80 8.3 6.8 10.2

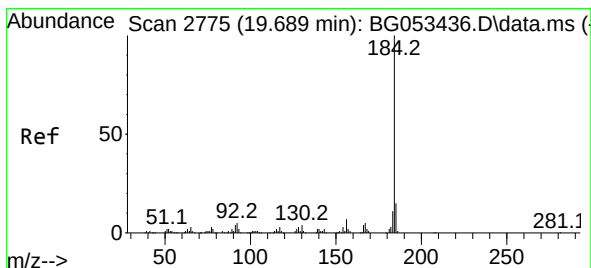
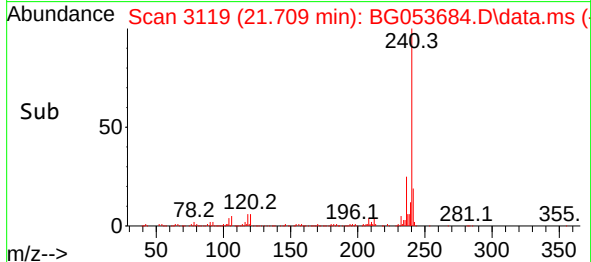
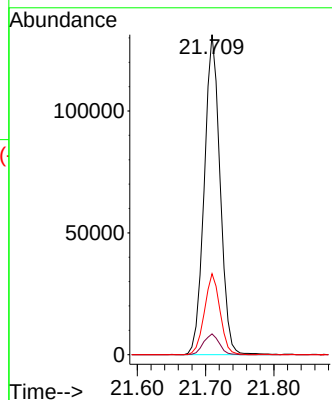
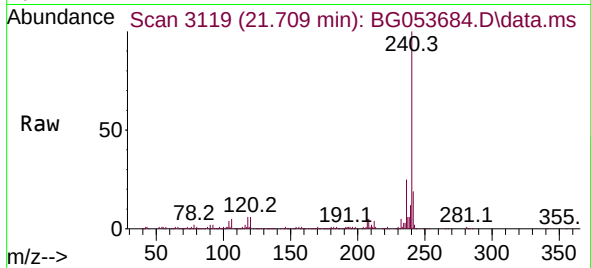




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.709 min Scan# 3119
Delta R.T. -0.006 min
Lab File: BG053684.D
Acq: 24 May 2022 16:08

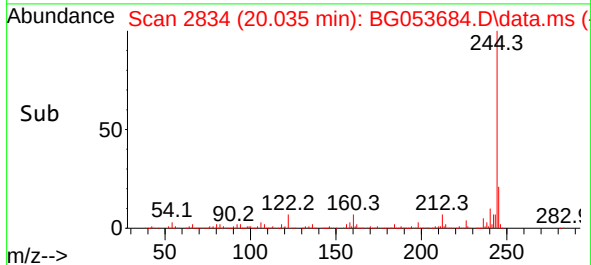
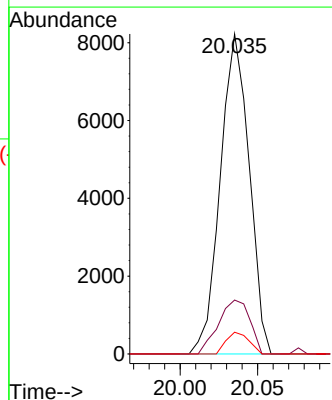
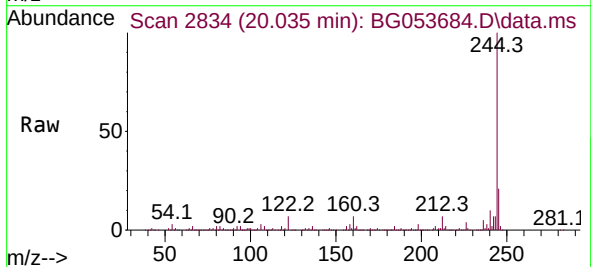
Instrument :
BNA_G
ClientSampleId :
CON0523-B

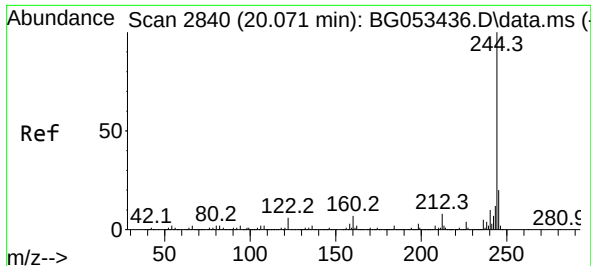
Tgt Ion:240 Resp: 211712
Ion Ratio Lower Upper
240 100
120 6.5 4.6 7.0
236 25.3 20.2 30.4



#77
Benzidine
Concen: 2.329 ng
RT: 20.035 min Scan# 2834
Delta R.T. 0.375 min
Lab File: BG053684.D
Acq: 24 May 2022 16:08

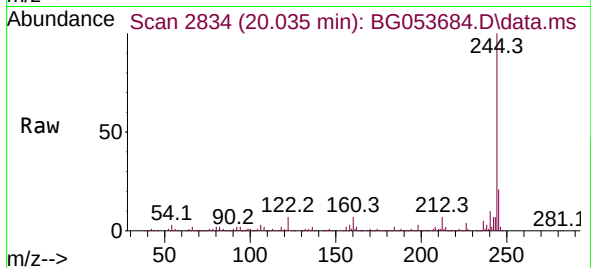
Tgt Ion:184 Resp: 10626
Ion Ratio Lower Upper
184 100
185 16.9 11.8 17.6
183 6.8 8.9 13.3#



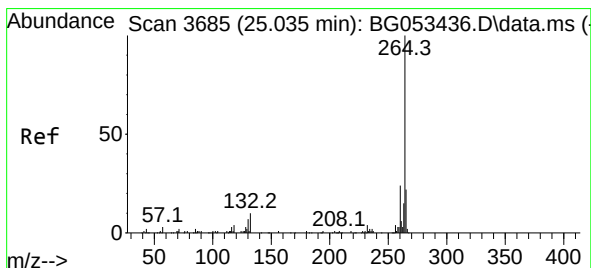
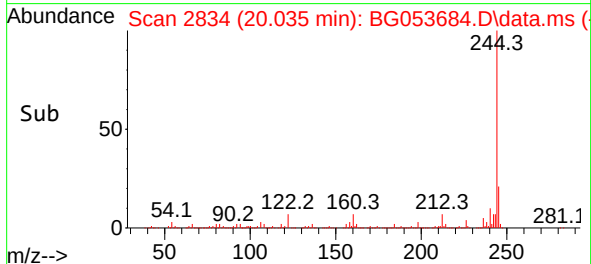
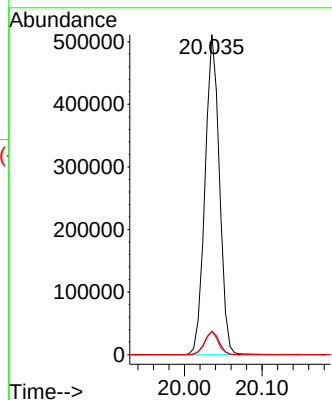


#79
 Terphenyl-d14
 Concen: 57.728 ng
 RT: 20.035 min Scan# 21
 Delta R.T. -0.006 min
 Lab File: BG053684.D
 Acq: 24 May 2022 16:08

Instrument :
 BNA_G
 ClientSampleId :
 CON0523-B



Tgt Ion:244 Resp: 656210
 Ion Ratio Lower Upper
 244 100
 212 7.4 6.5 9.7
 122 7.3 5.0 7.4



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 24.970 min Scan# 3674
 Delta R.T. -0.012 min
 Lab File: BG053684.D
 Acq: 24 May 2022 16:08

Tgt Ion:264 Resp: 210088
 Ion Ratio Lower Upper
 264 100
 260 24.0 19.0 28.6
 265 21.0 17.4 26.2

