

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG052422\
 Data File : BG053683.D
 Acq On : 24 May 2022 14:45
 Operator : CG/JU
 Sample : N2998-01
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 CON0523-A

Quant Time: May 24 15:22:05 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

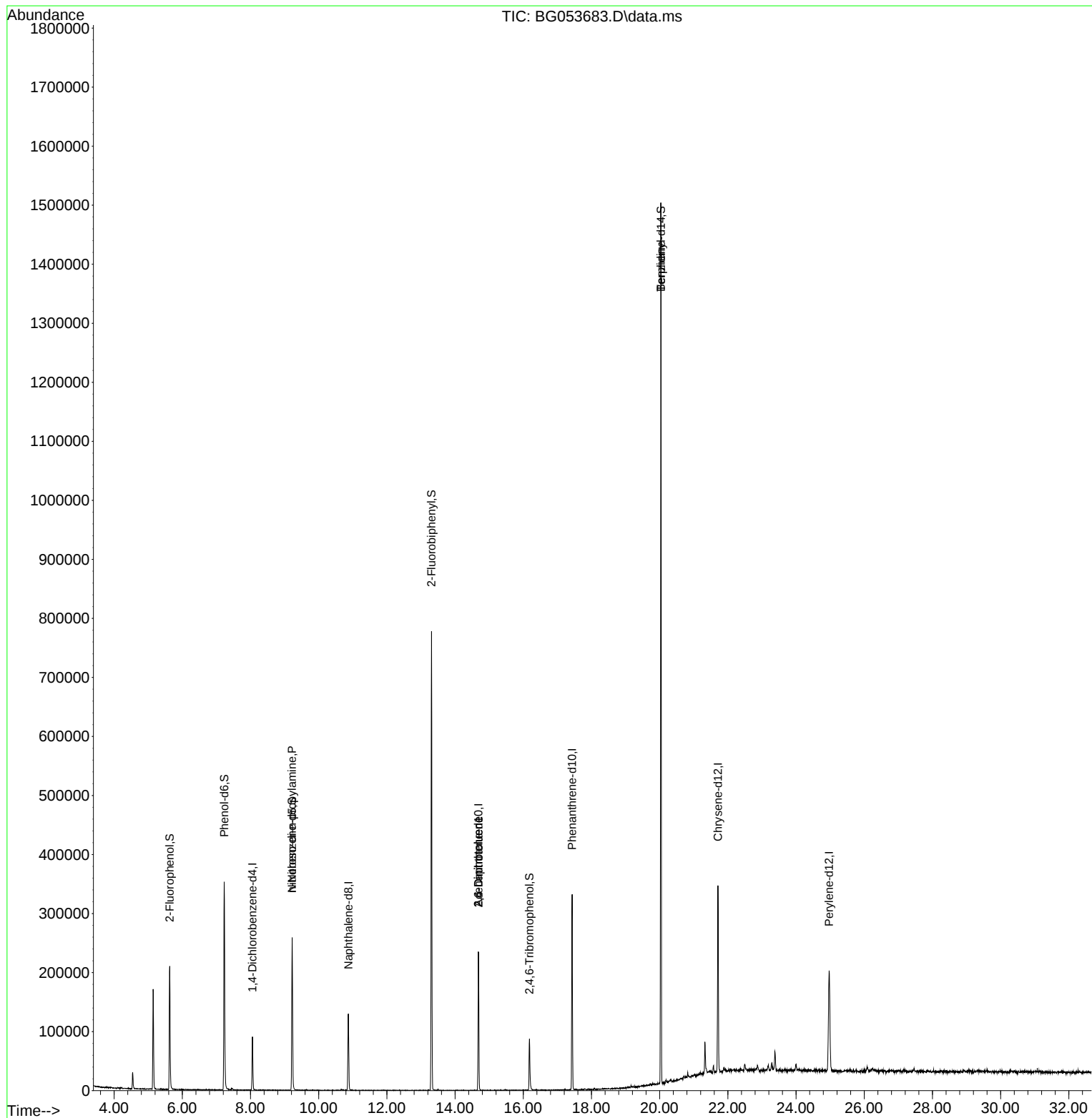
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.057	152	25493	20.000	ng	0.00
21) Naphthalene-d8	10.871	136	109819	20.000	ng	0.00
39) Acenaphthene-d10	14.684	164	85786	20.000	ng	0.00
64) Phenanthrene-d10	17.433	188	205999	20.000	ng	0.00
76) Chrysene-d12	21.709	240	193545	20.000	ng	0.00
86) Perylene-d12	24.970	264	193561	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.631	112	90842	60.476	ng	0.00
7) Phenol-d6	7.229	99	211744	92.882	ng	0.00
23) Nitrobenzene-d5	9.220	82	165000	63.958	ng	0.00
42) 2,4,6-Tribromophenol	16.182	330	22196	17.543	ng	0.00
45) 2-Fluorobiphenyl	13.309	172	400460	68.214	ng	0.00
79) Terphenyl-d14	20.035	244	744825	71.674	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propyla...	9.220	70	22259	13.609	ng	# 82
51) 2,6-Dinitrotoluene	14.684	165	11643	8.767	ng	# 16
57) 2,4-Dinitrotoluene	14.684	165	11643	6.048	ng	# 21
77) Benzidine	20.035	184	12467	2.989	ng	# 93

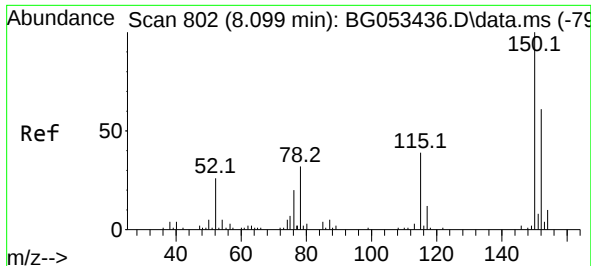
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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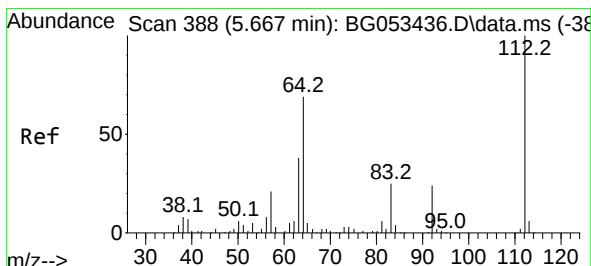
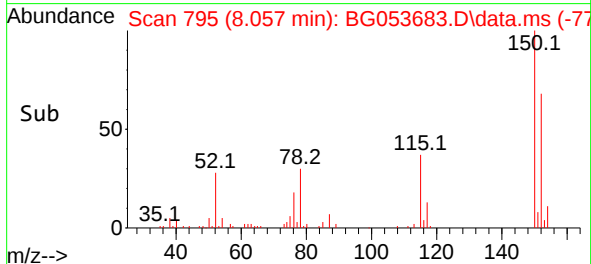
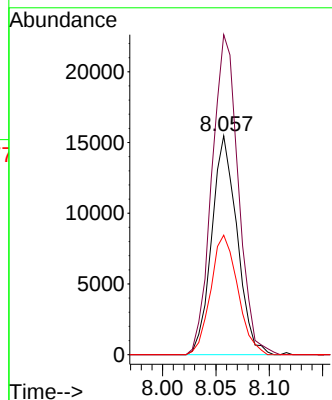
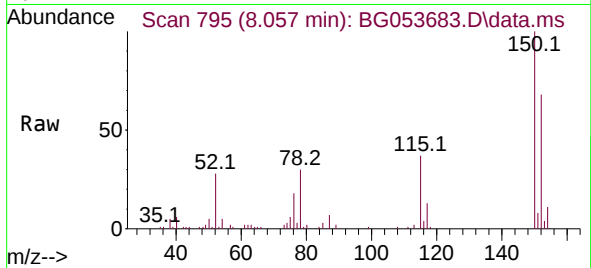




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.057 min Scan# 79
Delta R.T. -0.001 min
Lab File: BG053683.D
Acq: 24 May 2022 14:45

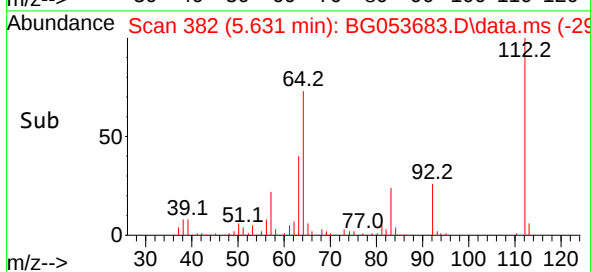
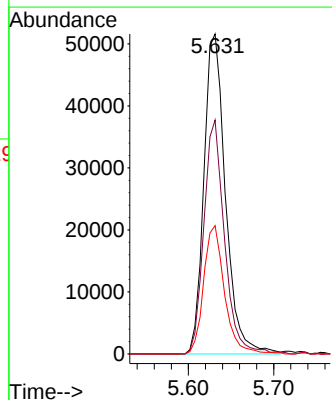
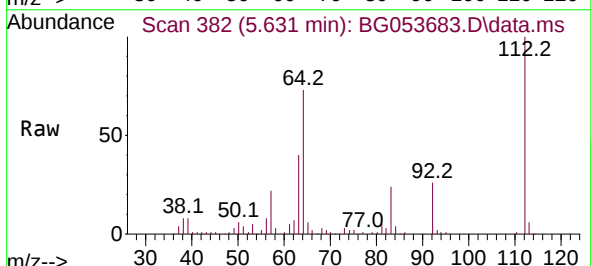
Instrument :
BNA_G
ClientSampleId :
CON0523-A

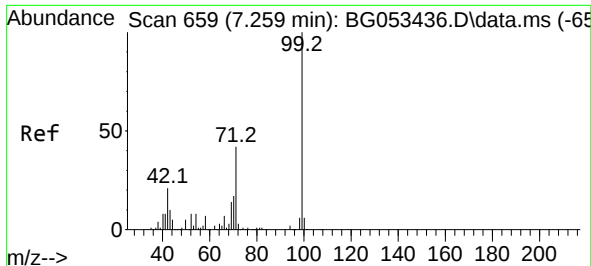
Tgt Ion:152 Resp: 25493
Ion Ratio Lower Upper
152 100
150 146.2 131.6 197.4
115 54.6 50.9 76.3



#5
2-Fluorophenol
Concen: 60.476 ng
RT: 5.631 min Scan# 382
Delta R.T. 0.005 min
Lab File: BG053683.D
Acq: 24 May 2022 14:45

Tgt Ion:112 Resp: 90842
Ion Ratio Lower Upper
112 100
64 73.1 55.1 82.7
63 40.1 30.4 45.6

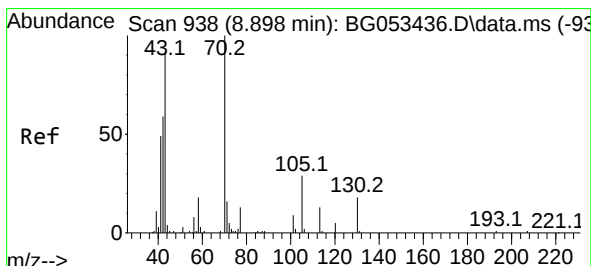
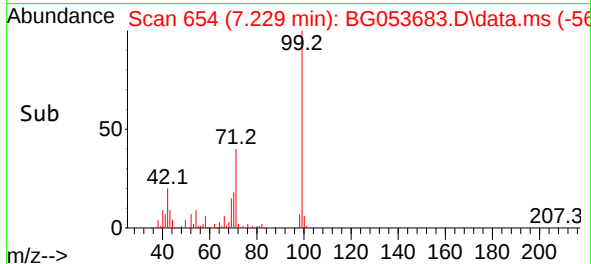
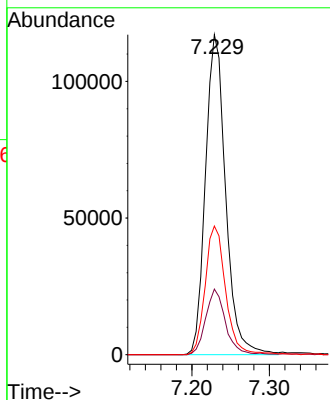
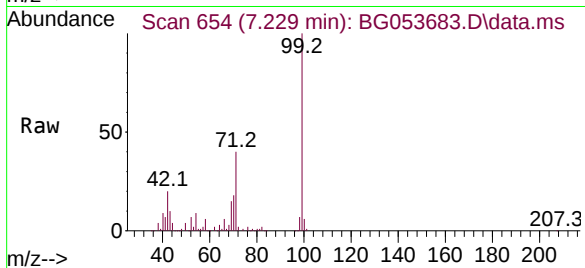




#7
Phenol-d6
Concen: 92.882 ng
RT: 7.229 min Scan# 61
Delta R.T. -0.000 min
Lab File: BG053683.D
Acq: 24 May 2022 14:45

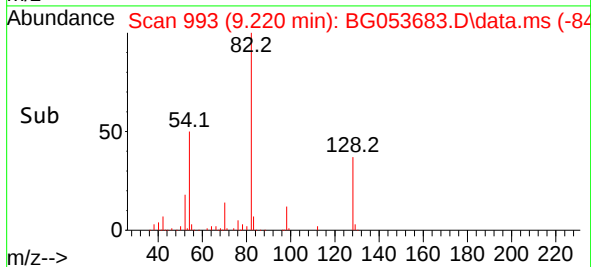
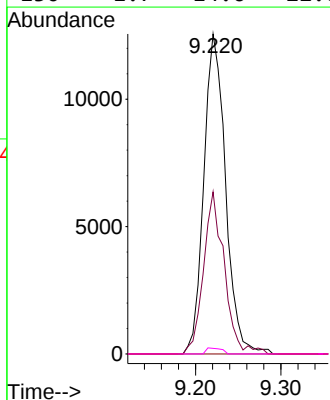
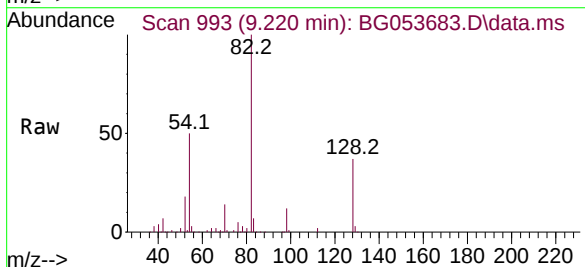
Instrument :
BNA_G
ClientSampleId :
CON0523-A

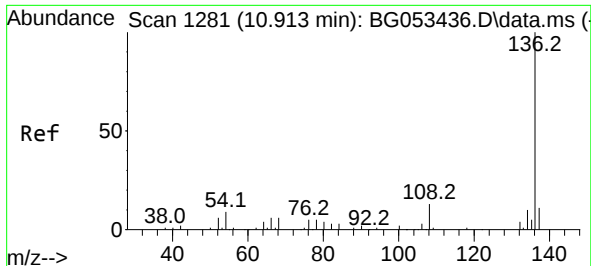
Tgt Ion: 99 Resp: 211744
Ion Ratio Lower Upper
99 100
42 20.5 17.0 25.6
71 40.2 33.8 50.8



#19
n-Nitroso-di-n-propylamine
Concen: 13.609 ng
RT: 9.220 min Scan# 993
Delta R.T. 0.358 min
Lab File: BG053683.D
Acq: 24 May 2022 14:45

Tgt Ion: 70 Resp: 22259
Ion Ratio Lower Upper
70 100
42 50.7 47.3 70.9
101 0.0 7.0 10.4#
130 1.7 14.6 22.0#

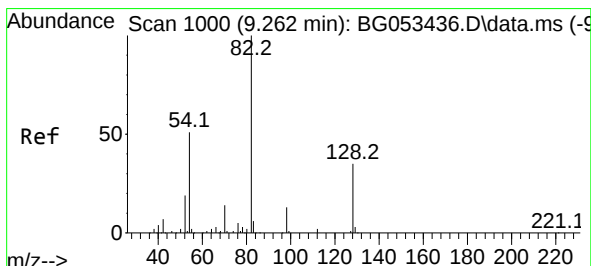
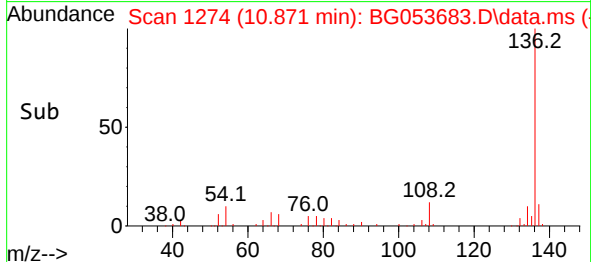
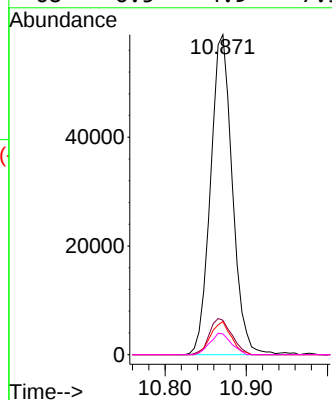
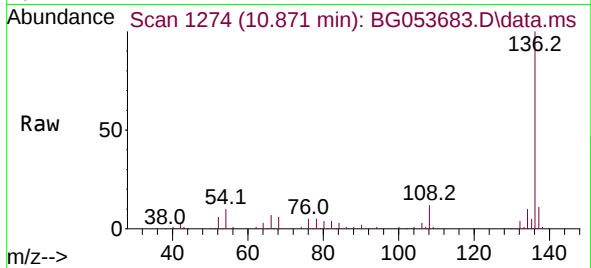




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.871 min Scan# 11
Delta R.T. -0.000 min
Lab File: BG053683.D
Acq: 24 May 2022 14:45

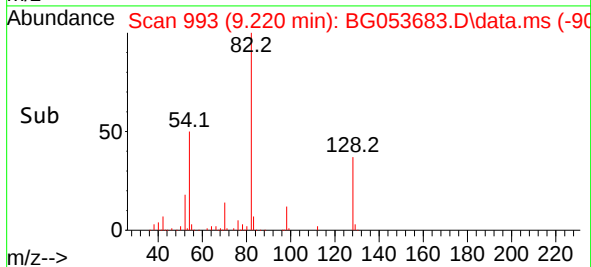
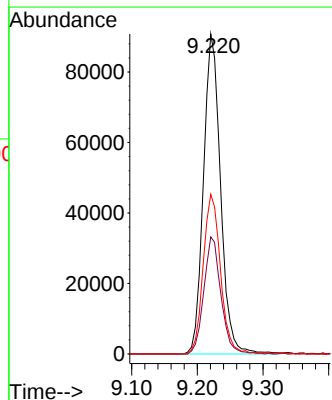
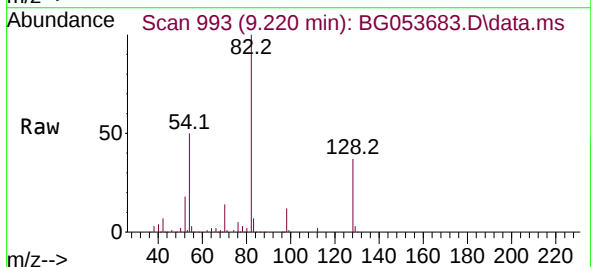
Instrument :
BNA_G
ClientSampleId :
CON0523-A

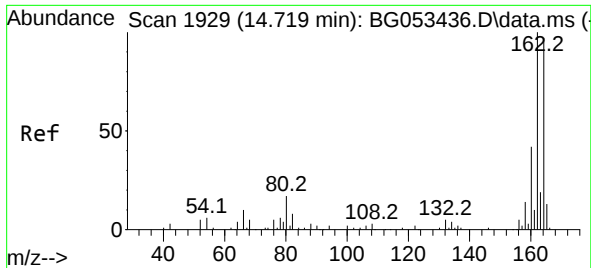
Tgt Ion:	136	Resp:	109819
Ion	Ratio	Lower	Upper
136	100		
137	10.7	8.5	12.7
54	10.4	7.4	11.2
68	6.5	4.9	7.3



#23
Nitrobenzene-d5
Concen: 63.958 ng
RT: 9.220 min Scan# 993
Delta R.T. -0.006 min
Lab File: BG053683.D
Acq: 24 May 2022 14:45

Tgt Ion:	82	Resp:	165000
Ion	Ratio	Lower	Upper
82	100		
128	36.6	27.9	41.9
54	49.9	41.2	61.8

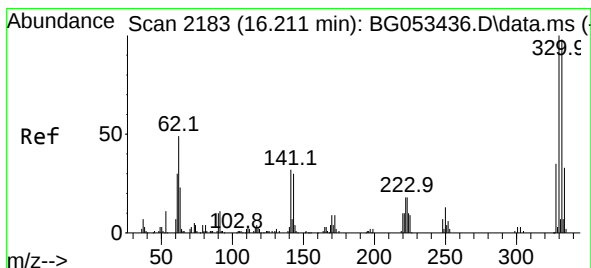
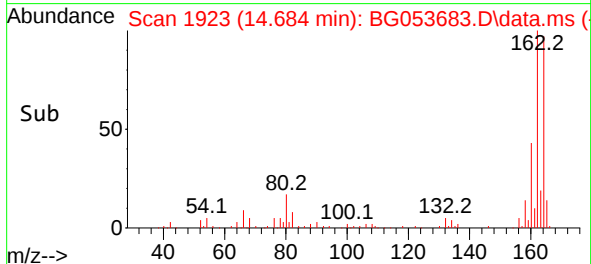
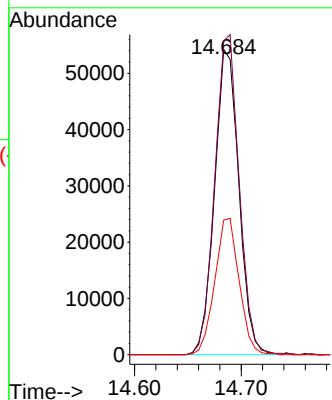
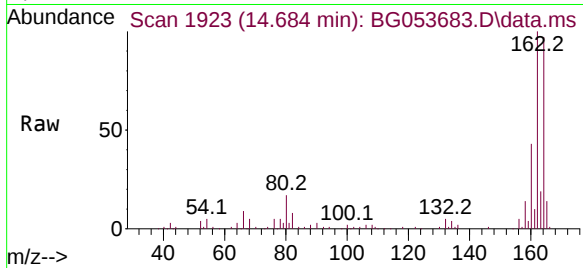




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.684 min Scan# 1923
Delta R.T. -0.006 min
Lab File: BG053683.D
Acq: 24 May 2022 14:45

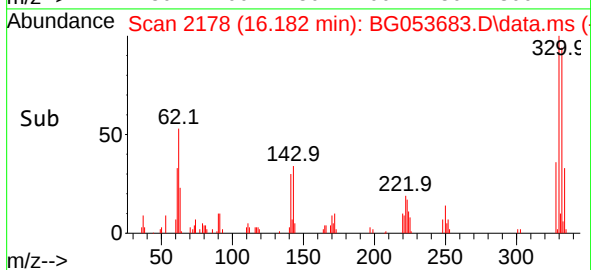
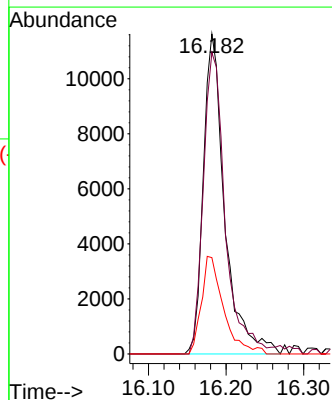
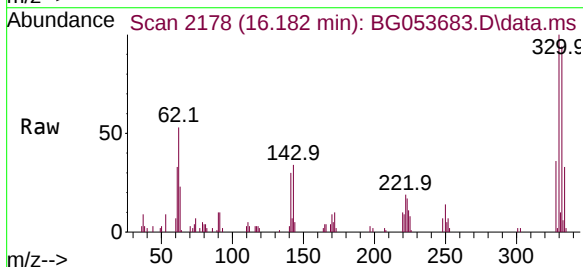
Instrument :
BNA_G
ClientSampleId :
CON0523-A

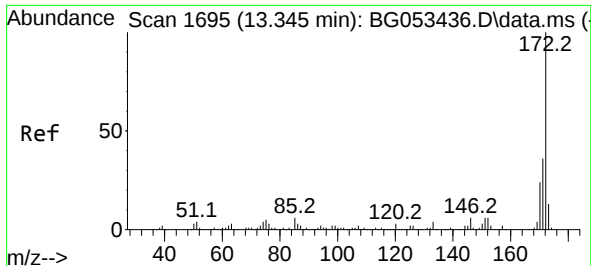
Tgt Ion:164 Resp: 85786
Ion Ratio Lower Upper
164 100
162 102.8 82.3 123.5
160 44.1 34.2 51.2



#42
2,4,6-Tribromophenol
Concen: 17.543 ng
RT: 16.182 min Scan# 2178
Delta R.T. -0.000 min
Lab File: BG053683.D
Acq: 24 May 2022 14:45

Tgt Ion:330 Resp: 22196
Ion Ratio Lower Upper
330 100
332 96.7 76.0 114.0
141 31.7 27.1 40.7

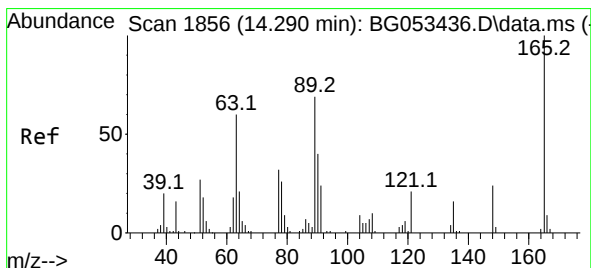
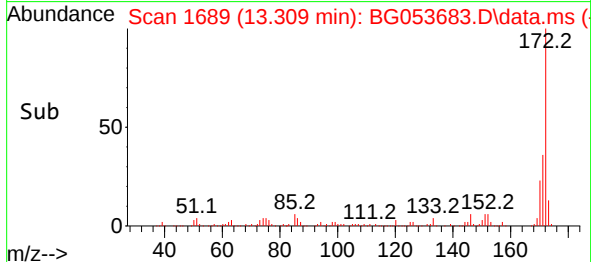
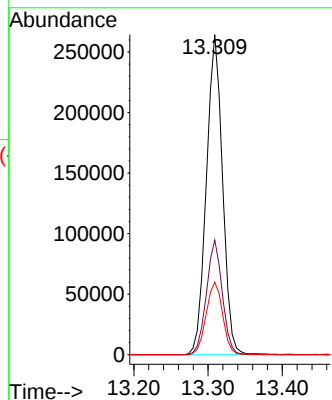
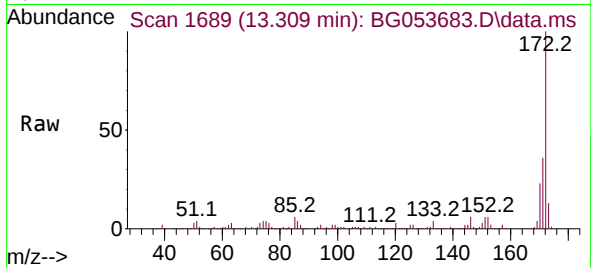




#45
2-Fluorobiphenyl
Concen: 68.214 ng
RT: 13.309 min Scan# 1
Delta R.T. -0.006 min
Lab File: BG053683.D
Acq: 24 May 2022 14:45

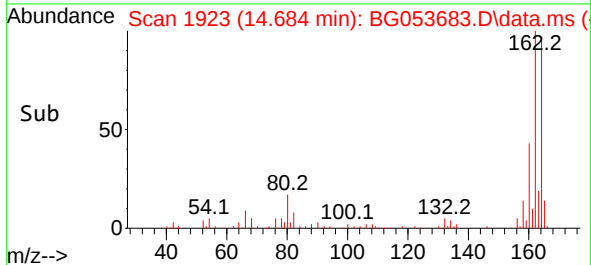
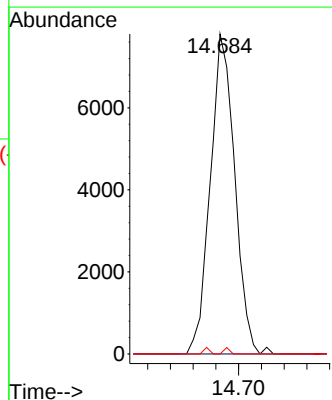
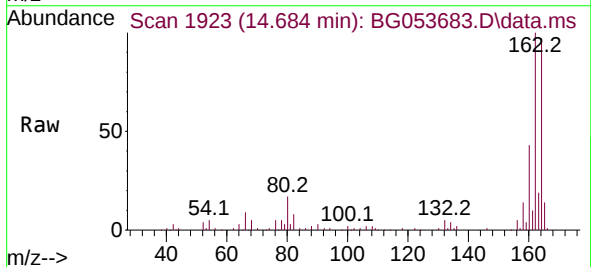
Instrument :
BNA_G
ClientSampleId :
CON0523-A

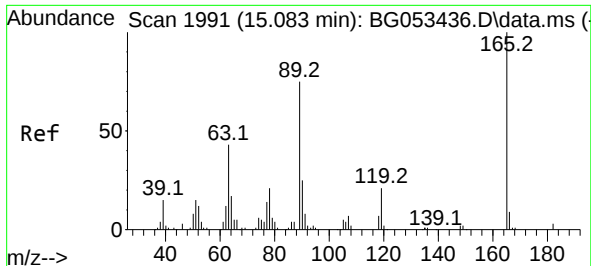
Tgt Ion:172 Resp: 400460
Ion Ratio Lower Upper
172 100
171 35.9 28.5 42.7
170 22.7 18.9 28.3



#51
2,6-Dinitrotoluene
Concen: 8.767 ng
RT: 14.684 min Scan# 1923
Delta R.T. 0.423 min
Lab File: BG053683.D
Acq: 24 May 2022 14:45

Tgt Ion:165 Resp: 11643
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: 6.048 ng

RT: 14.684 min Scan# 1991

Delta R.T. -0.370 min

Lab File: BG053683.D

Acq: 24 May 2022 14:45

Instrument :

BNA_G

ClientSampleId :

CON0523-A

Tgt Ion:165 Resp: 11643

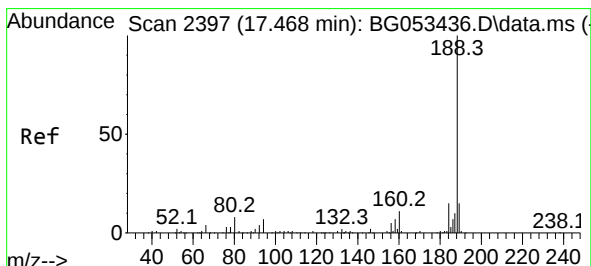
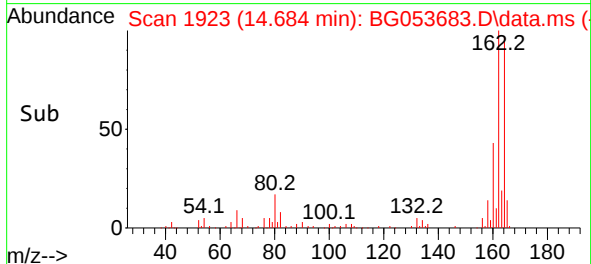
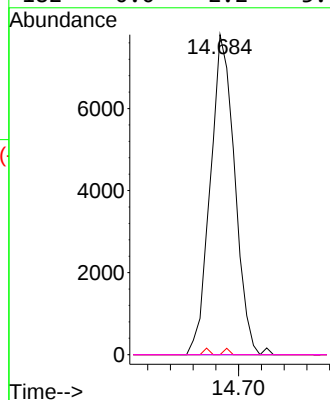
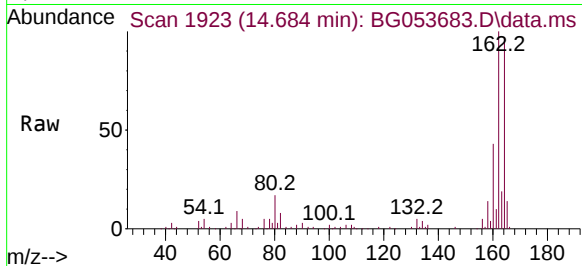
Ion Ratio Lower Upper

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: 17.433 min Scan# 2391

Delta R.T. -0.006 min

Lab File: BG053683.D

Acq: 24 May 2022 14:45

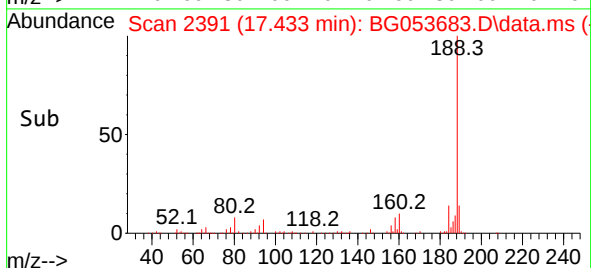
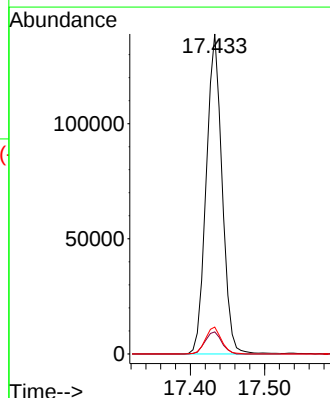
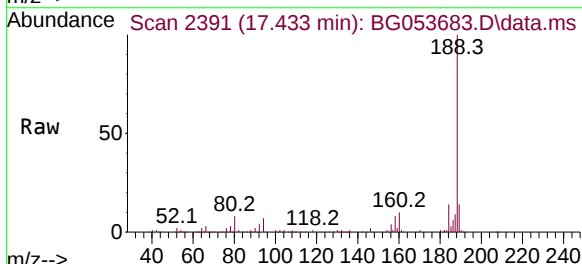
Tgt Ion:188 Resp: 205999

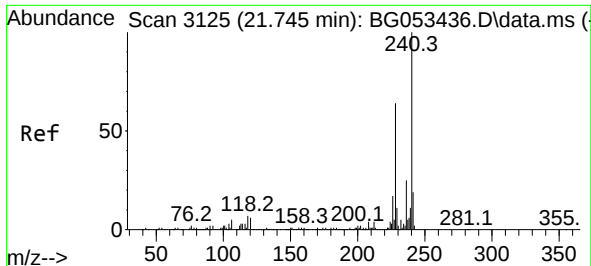
Ion Ratio Lower Upper

188 100

94 6.9 5.4 8.0

80 8.4 6.8 10.2

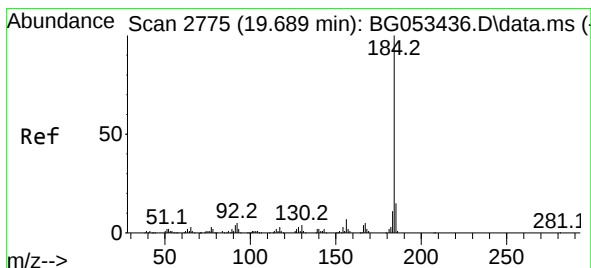
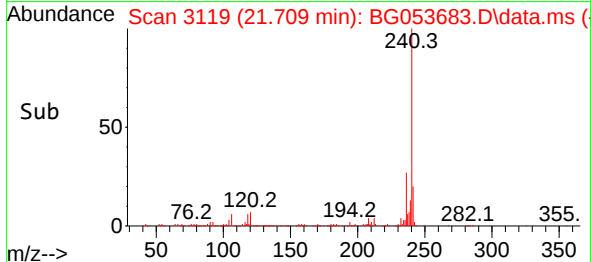
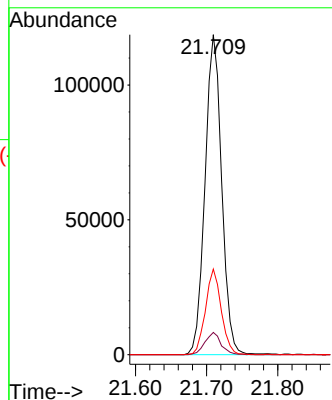
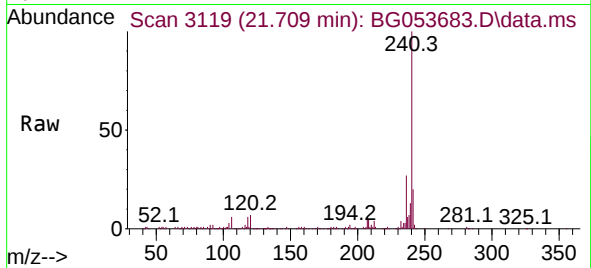




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.709 min Scan# 3119
Delta R.T. -0.006 min
Lab File: BG053683.D
Acq: 24 May 2022 14:45

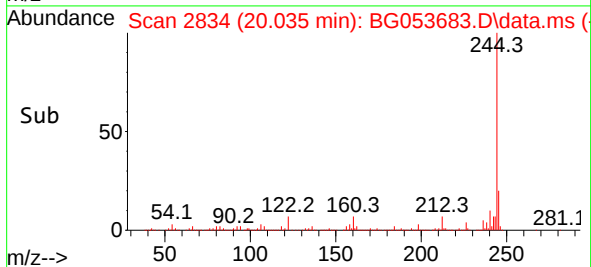
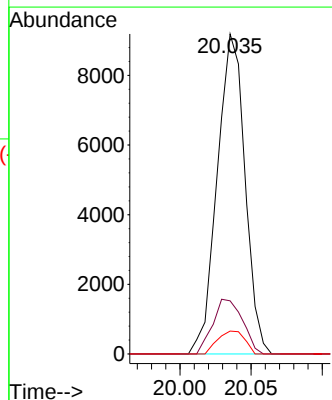
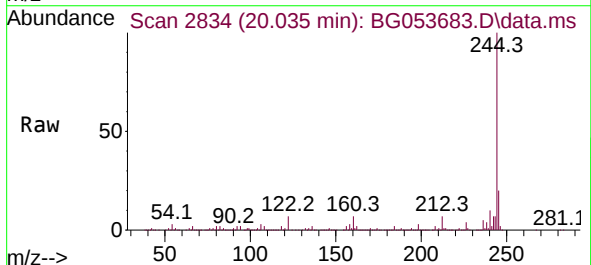
Instrument :
BNA_G
ClientSampleId :
CON0523-A

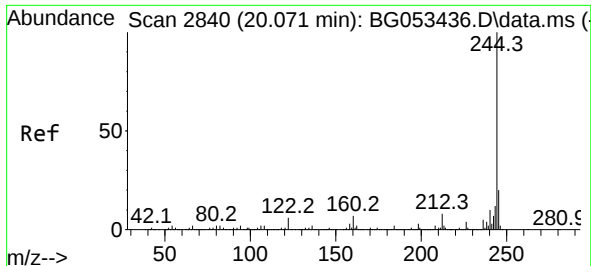
Tgt Ion:240 Resp: 193545
Ion Ratio Lower Upper
240 100
120 7.0 4.6 7.0
236 26.7 20.2 30.4



#77
Benzidine
Concen: 2.989 ng
RT: 20.035 min Scan# 2834
Delta R.T. 0.376 min
Lab File: BG053683.D
Acq: 24 May 2022 14:45

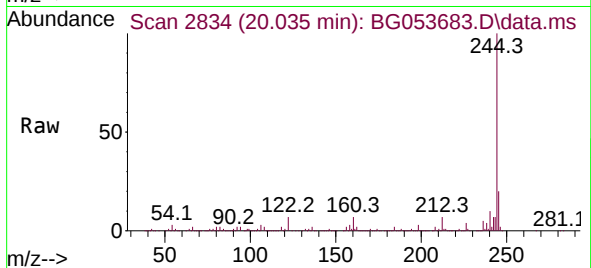
Tgt Ion:184 Resp: 12467
Ion Ratio Lower Upper
184 100
185 16.6 11.8 17.6
183 7.1 8.9 13.3#



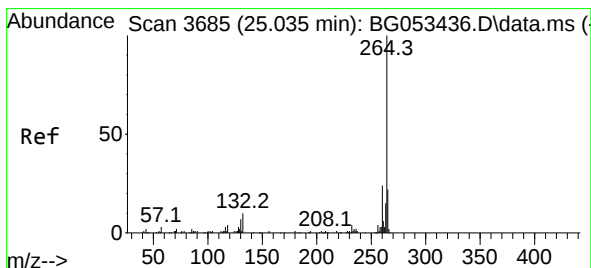
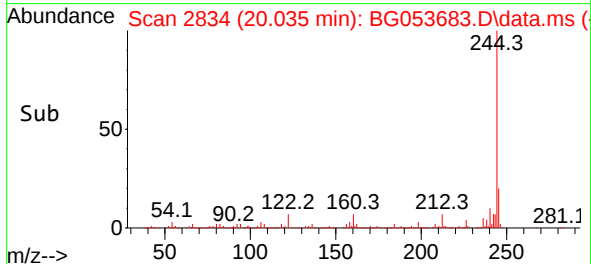
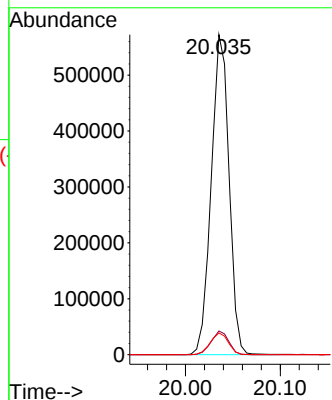


#79
 Terphenyl-d14
 Concen: 71.674 ng
 RT: 20.035 min Scan# 21
 Delta R.T. -0.006 min
 Lab File: BG053683.D
 Acq: 24 May 2022 14:45

Instrument :
 BNA_G
 ClientSampleId :
 CON0523-A



Tgt Ion:244 Resp: 744825
 Ion Ratio Lower Upper
 244 100
 212 7.4 6.5 9.7
 122 6.8 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: BG053683.D
 Acq: 24 May 2022 14:45

Tgt Ion:264 Resp: 193561
 Ion Ratio Lower Upper
 264 100
 260 25.0 19.0 28.6
 265 22.9 17.4 26.2

