

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG050922\
 Data File : BG053502.D
 Acq On : 9 May 2022 20:57
 Operator : CG/JU
 Sample : N2739-03
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 124055

Quant Time: May 10 03:03:15 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG050522.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu May 05 02:13:53 2022
 Response via : Initial Calibration

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

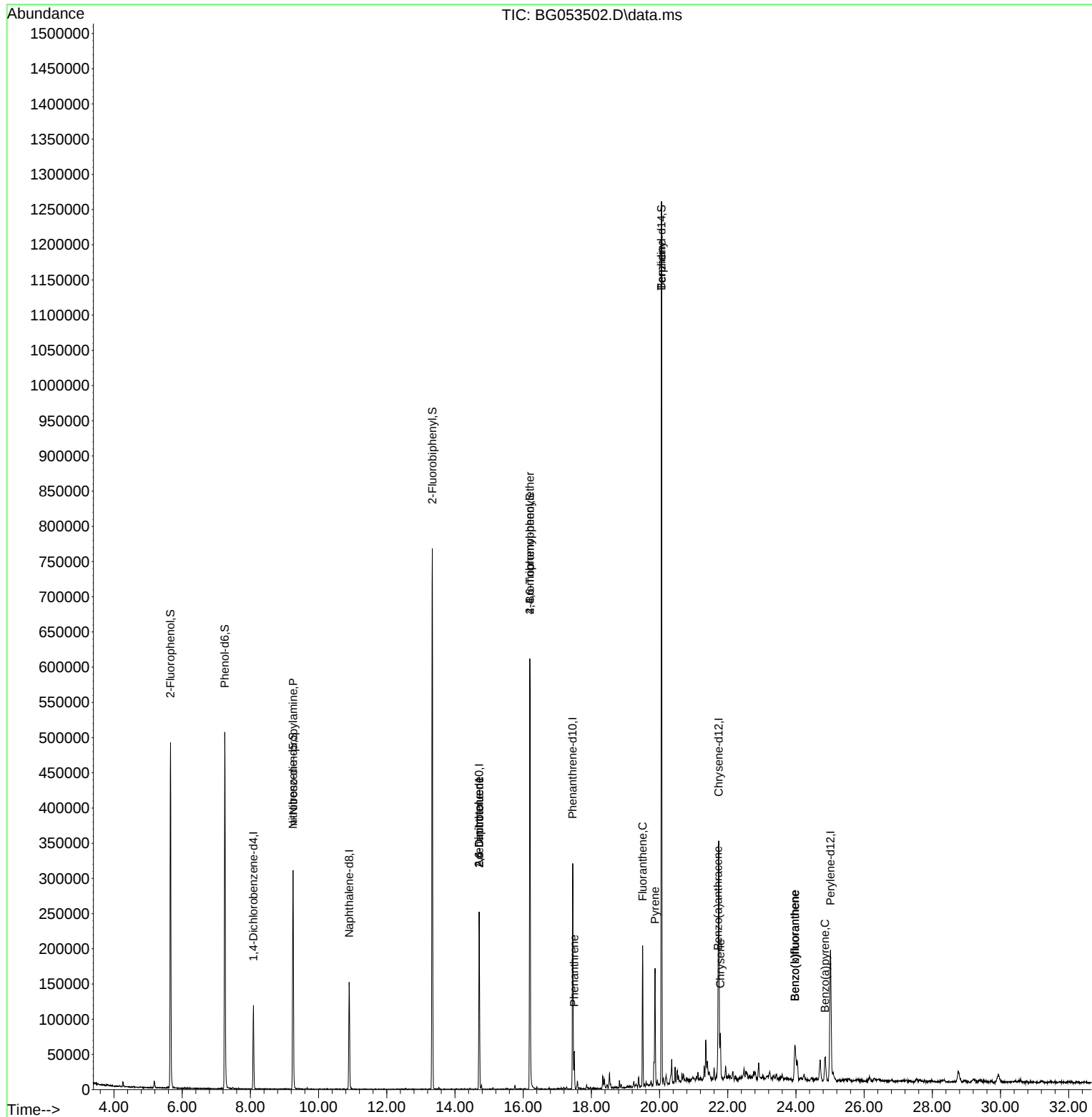
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.090	152	32455	20.000	ng	0.00
21) Naphthalene-d8	10.898	136	127464	20.000	ng	-0.02
39) Acenaphthene-d10	14.710	164	90309	20.000	ng	0.00
64) Phenanthrene-d10	17.454	188	206527	20.000	ng	-0.01
76) Chrysene-d12	21.736	240	198543	20.000	ng	0.00
86) Perylene-d12	25.014	264	210048	20.000	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.658	112	201283	105.255	ng	0.00
7) Phenol-d6	7.250	99	291735	100.520	ng	0.00
23) Nitrobenzene-d5	9.247	82	204529	68.305	ng	-0.01
42) 2,4,6-Tribromophenol	16.197	330	124304	93.325	ng	-0.01
45) 2-Fluorobiphenyl	13.336	172	413571	66.919	ng	0.00
79) Terphenyl-d14	20.056	244	634325	59.504	ng	-0.01
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	9.253	70	29086	13.968	ng	# 78
51) 2,6-Dinitrotoluene	14.710	165	11944	8.543	ng	# 16
57) 2,4-Dinitrotoluene	14.710	165	11944	5.894	ng	# 21
67) 4-Bromophenyl-phenylether	16.197	248	8239	3.416	ng	# 1
71) Phenanthrene	17.501	178	35588	3.389	ng	100
75) Fluoranthene	19.504	202	127296	9.362	ng	97
77) Benzidine	20.056	184	10690	2.498	ng	# 95
78) Pyrene	19.868	202	116939	9.098	ng	99
81) Benzo(a)anthracene	21.713	228	52004	4.107	ng	95
83) Chrysene	21.783	228	54044	4.569	ng	97
88) Benzo(b)fluoranthene	23.968	252	66105	5.317	ng	# 98
89) Benzo(k)fluoranthene	23.968	252	66105	5.411	ng	99
90) Benzo(a)pyrene	24.856	252	42142	3.982	ng	# 87

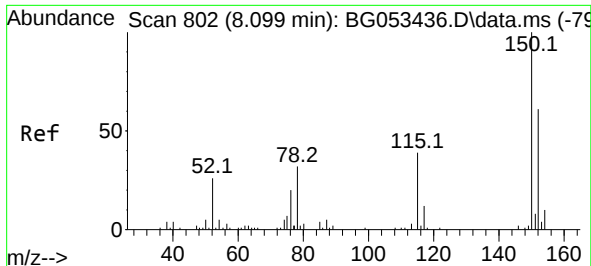
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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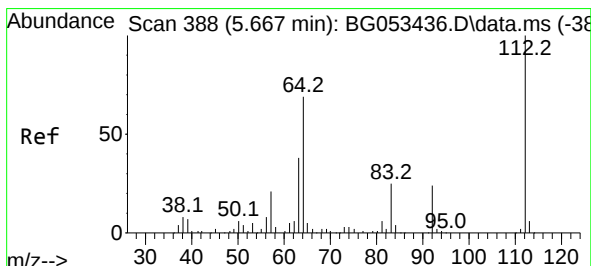
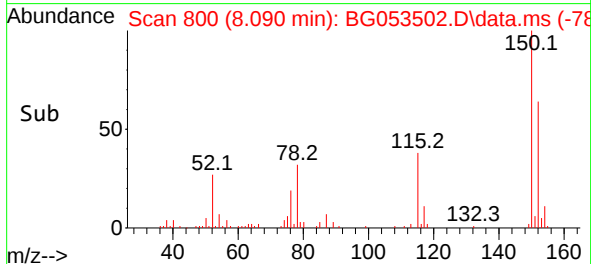
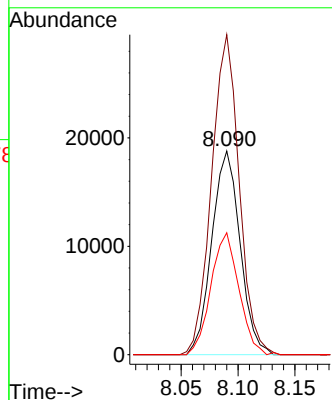
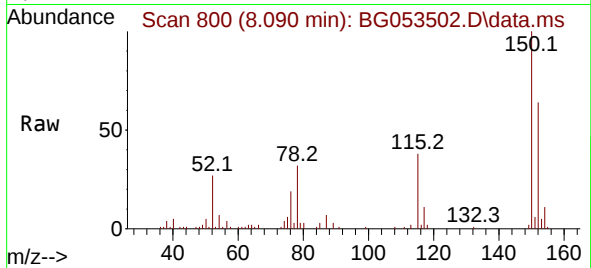




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.090 min Scan# 80
Delta R.T. -0.009 min
Lab File: BG053502.D
Acq: 9 May 2022 20:57

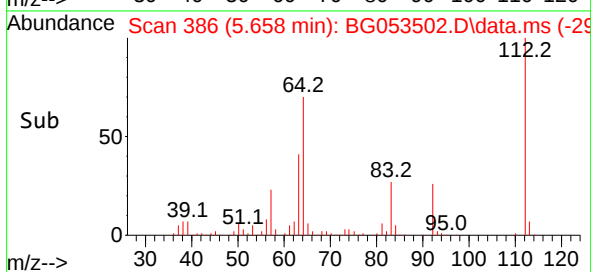
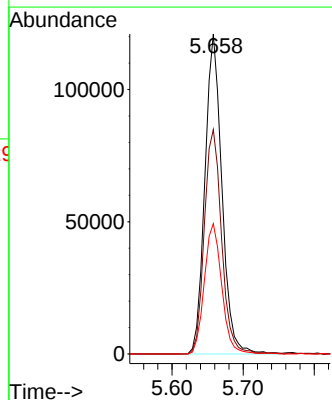
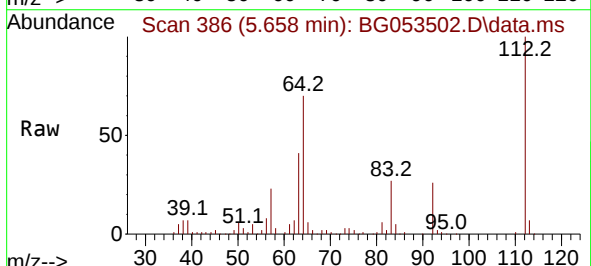
Instrument :
BNA_G
ClientSampleId :
124055

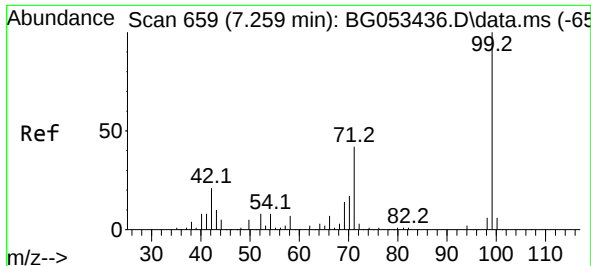
Tgt Ion:152 Resp: 32455
Ion Ratio Lower Upper
152 100
150 157.1 131.6 197.4
115 59.8 50.9 76.3



#5
2-Fluorophenol
Concen: 105.255 ng
RT: 5.658 min Scan# 386
Delta R.T. -0.009 min
Lab File: BG053502.D
Acq: 9 May 2022 20:57

Tgt Ion:112 Resp: 201283
Ion Ratio Lower Upper
112 100
64 70.1 55.1 82.7
63 40.7 30.4 45.6

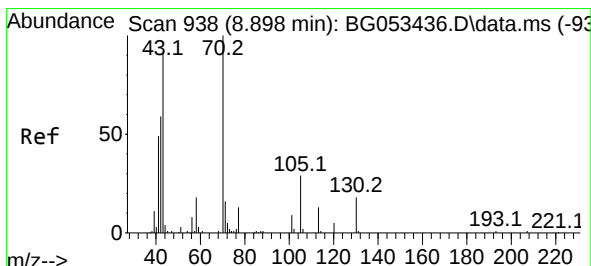
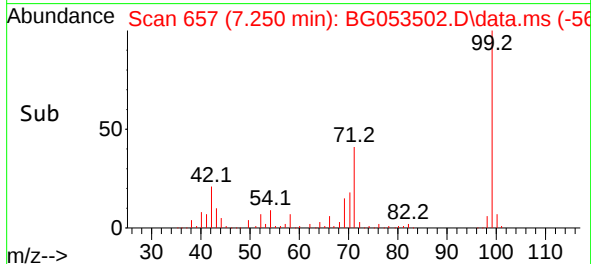
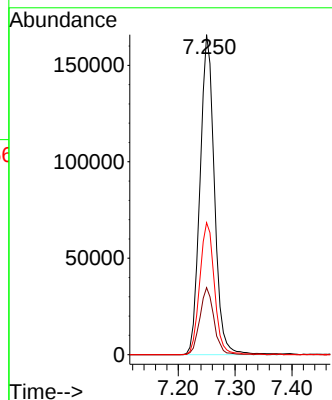
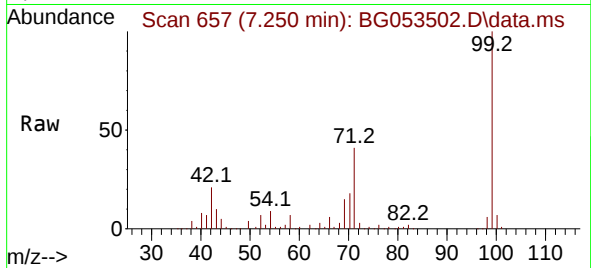




#7
Phenol-d6
Concen: 100.520 ng
RT: 7.250 min Scan# 61
Delta R.T. -0.009 min
Lab File: BG053502.D
Acq: 9 May 2022 20:57

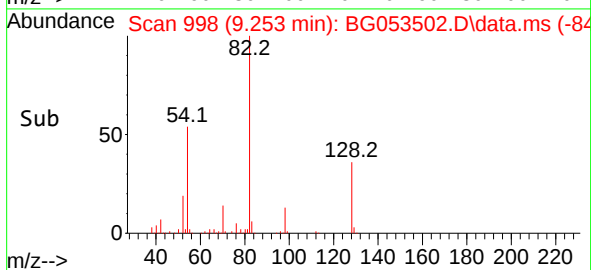
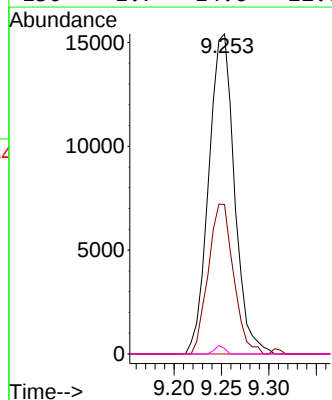
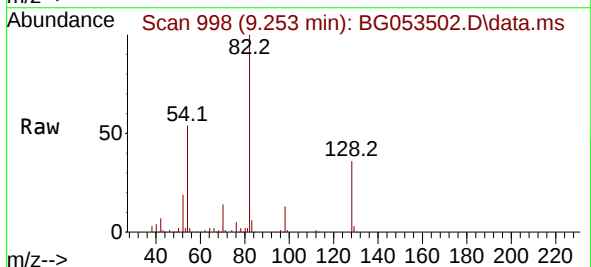
Instrument :
BNA_G
ClientSampleId :
124055

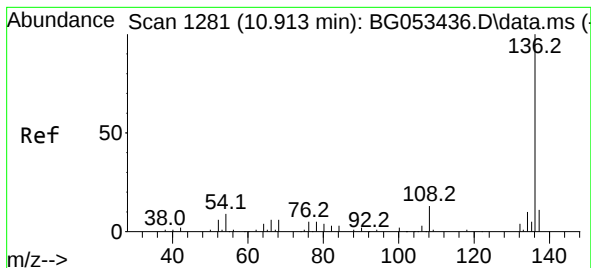
Tgt Ion: 99 Resp: 291735
Ion Ratio Lower Upper
99 100
42 20.9 17.0 25.6
71 41.2 33.8 50.8



#19
n-Nitroso-di-n-propylamine
Concen: 13.968 ng
RT: 9.253 min Scan# 998
Delta R.T. 0.356 min
Lab File: BG053502.D
Acq: 9 May 2022 20:57

Tgt Ion: 70 Resp: 29086
Ion Ratio Lower Upper
70 100
42 46.7 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: 10.898 min Scan# 11

Delta R.T. -0.015 min

Lab File: BG053502.D

Acq: 9 May 2022 20:57

Instrument :

BNA_G

ClientSampleId :

124055

Tgt Ion:136 Resp: 127464

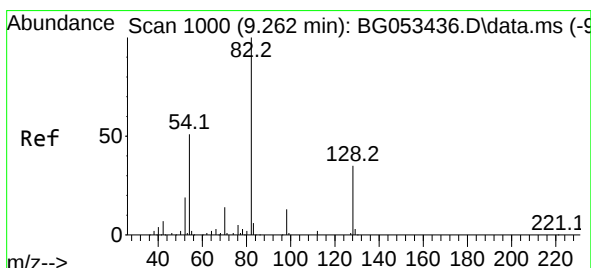
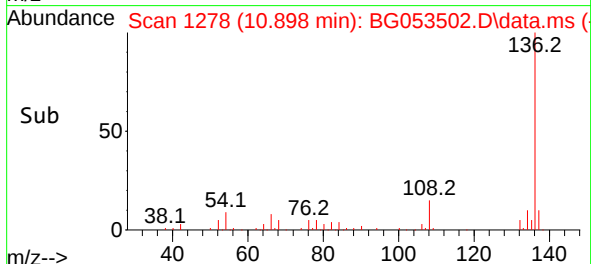
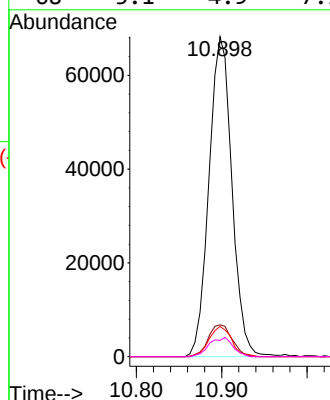
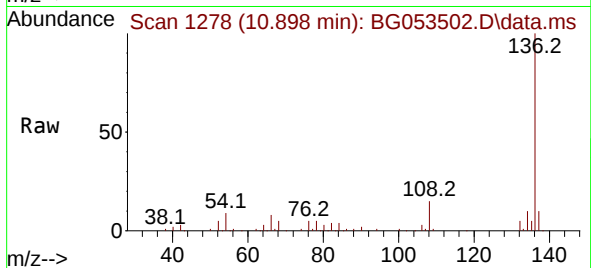
Ion Ratio Lower Upper

136 100

137 10.0 8.5 12.7

54 9.5 7.4 11.2

68 5.1 4.9 7.3



#23

Nitrobenzene-d5

Concen: 68.305 ng

RT: 9.247 min Scan# 997

Delta R.T. -0.015 min

Lab File: BG053502.D

Acq: 9 May 2022 20:57

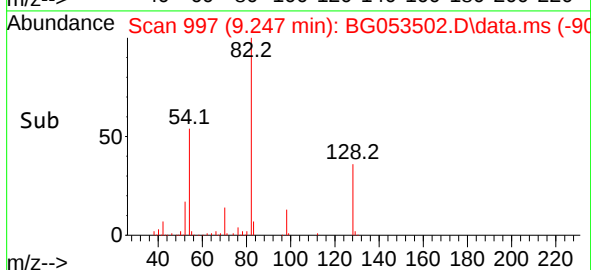
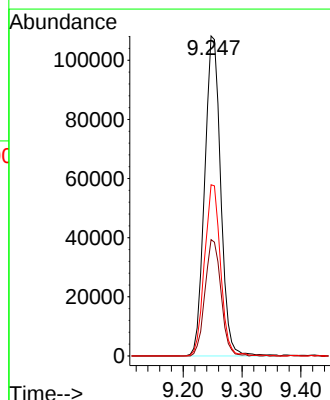
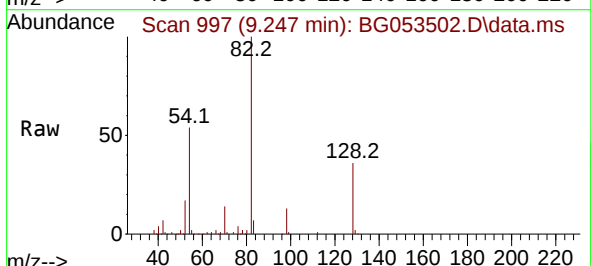
Tgt Ion: 82 Resp: 204529

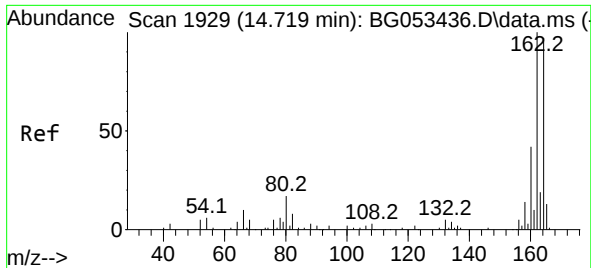
Ion Ratio Lower Upper

82 100

128 36.4 27.9 41.9

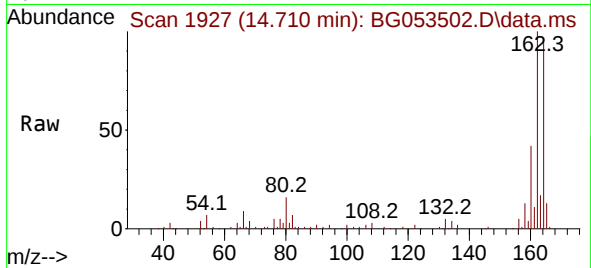
54 53.5 41.2 61.8



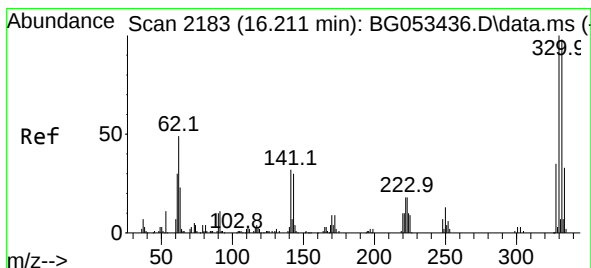
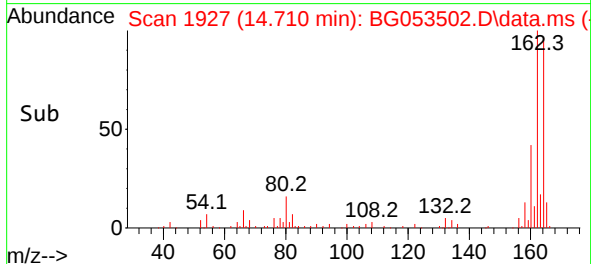
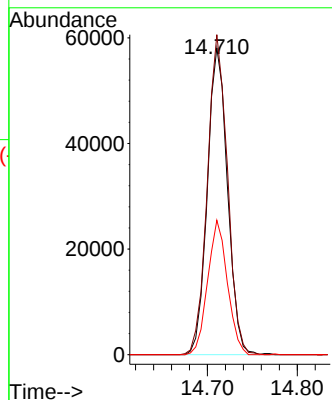


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.710 min Scan# 1929
Delta R.T. -0.009 min
Lab File: BG053502.D
Acq: 9 May 2022 20:57

Instrument :
BNA_G
ClientSampleId :
124055

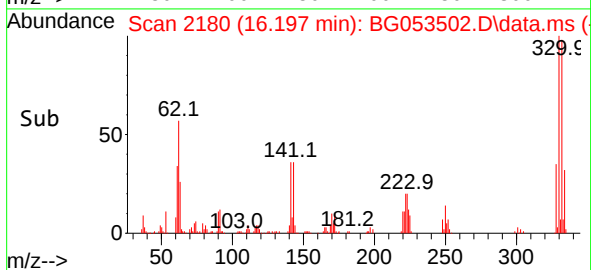
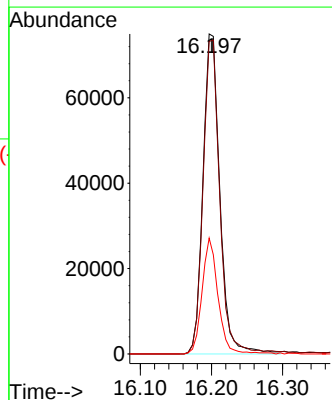
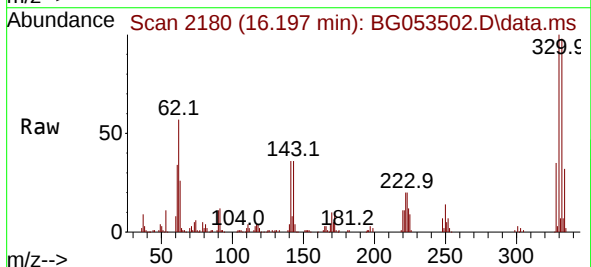


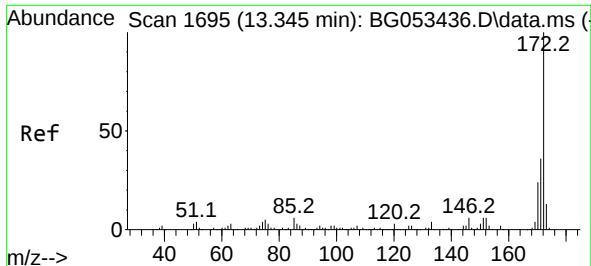
Tgt Ion:164 Resp: 90309
Ion Ratio Lower Upper
164 100
162 104.3 82.3 123.5
160 43.8 34.2 51.2



#42
2,4,6-Tribromophenol
Concen: 93.325 ng
RT: 16.197 min Scan# 2180
Delta R.T. -0.014 min
Lab File: BG053502.D
Acq: 9 May 2022 20:57

Tgt Ion:330 Resp: 124304
Ion Ratio Lower Upper
330 100
332 97.4 76.0 114.0
141 34.2 27.1 40.7

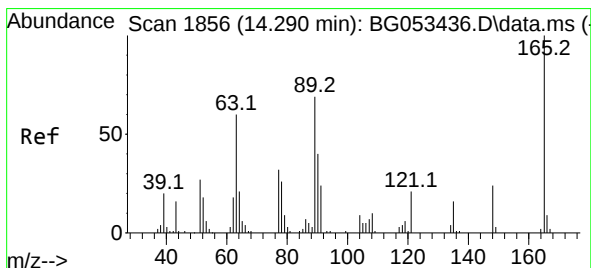
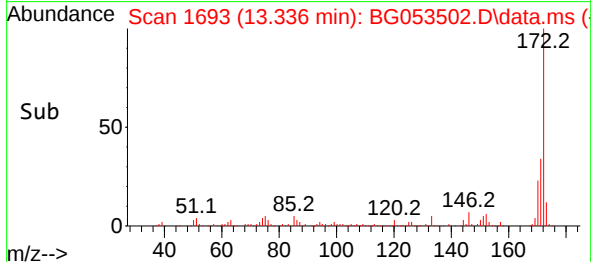
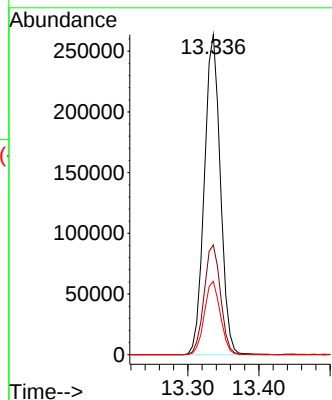
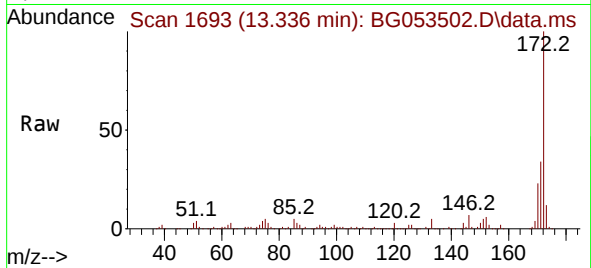




#45
2-Fluorobiphenyl
Concen: 66.919 ng
RT: 13.336 min Scan# 1
Delta R.T. -0.009 min
Lab File: BG053502.D
Acq: 9 May 2022 20:57

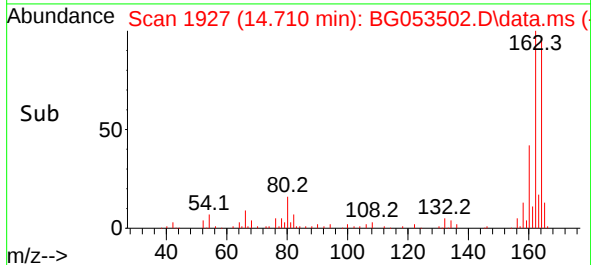
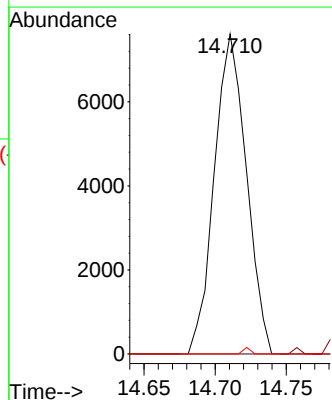
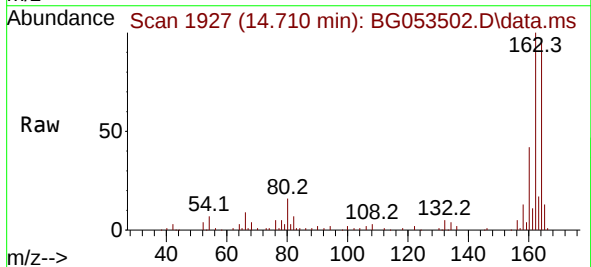
Instrument :
BNA_G
ClientSampleId :
124055

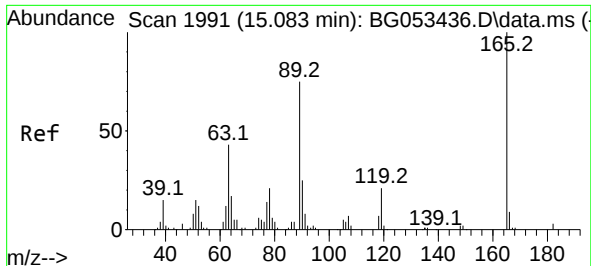
Tgt Ion:172 Resp: 413571
Ion Ratio Lower Upper
172 100
171 34.3 28.5 42.7
170 22.9 18.9 28.3



#51
2,6-Dinitrotoluene
Concen: 8.543 ng
RT: 14.710 min Scan# 1927
Delta R.T. 0.420 min
Lab File: BG053502.D
Acq: 9 May 2022 20:57

Tgt Ion:165 Resp: 11944
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: 5.894 ng

RT: 14.710 min Scan# 1991

Delta R.T. -0.373 min

Lab File: BG053502.D

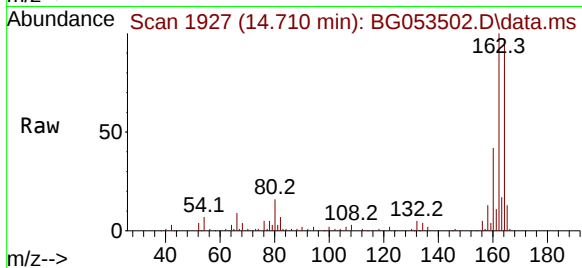
Acq: 9 May 2022 20:57

Instrument :

BNA_G

ClientSampleId :

124055



Tgt Ion:165 Resp: 11944

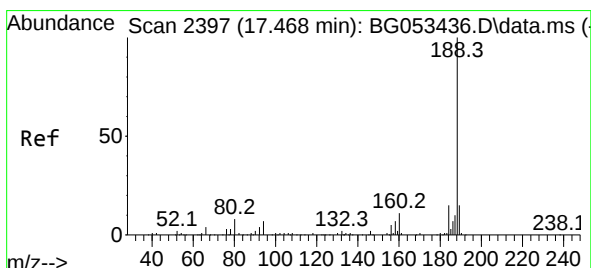
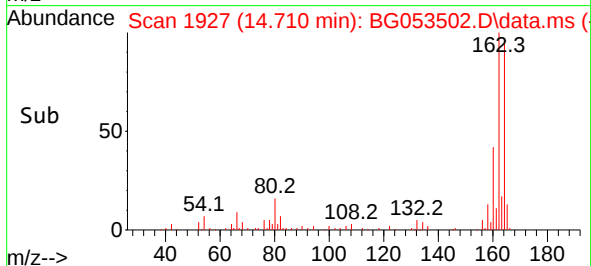
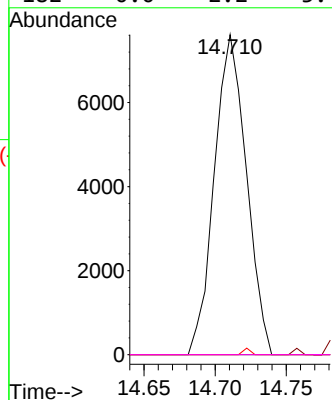
Ion Ratio Lower Upper

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: 17.454 min Scan# 2394

Delta R.T. -0.015 min

Lab File: BG053502.D

Acq: 9 May 2022 20:57

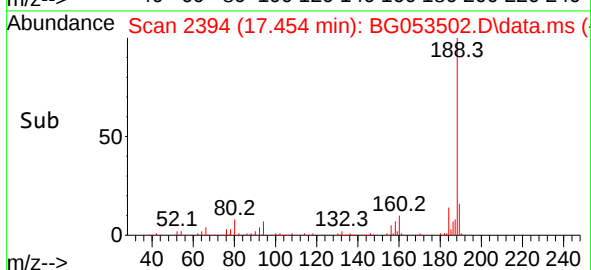
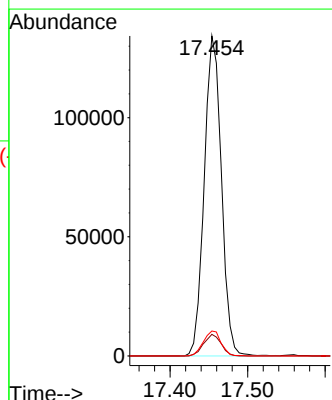
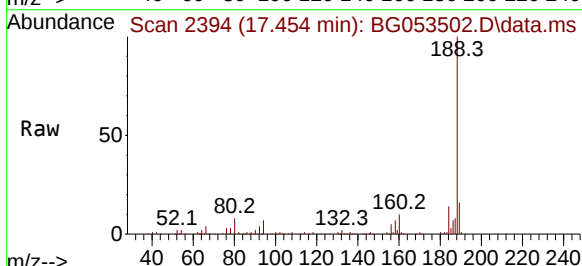
Tgt Ion:188 Resp: 206527

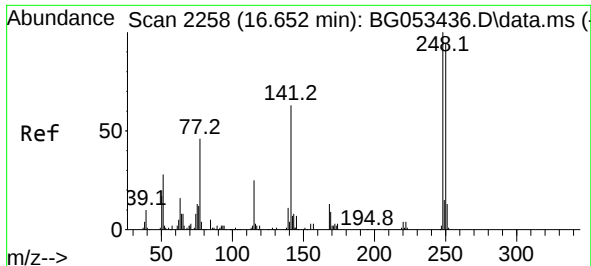
Ion Ratio Lower Upper

188 100

94 6.7 5.4 8.0

80 7.8 6.8 10.2

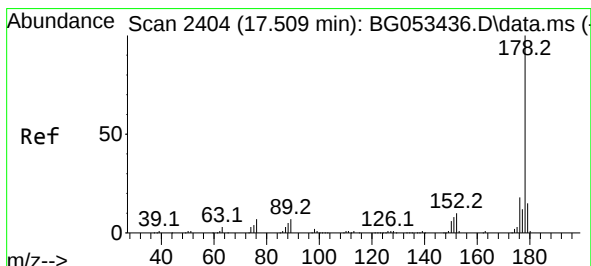
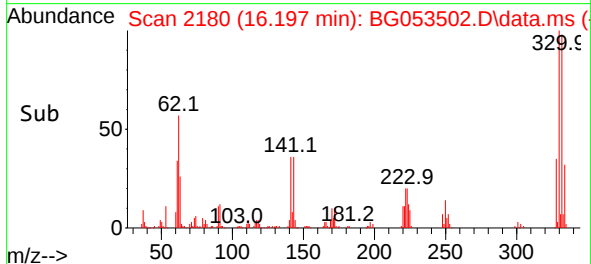
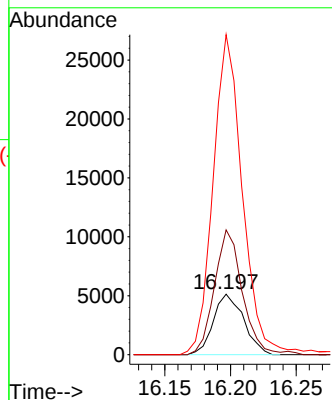
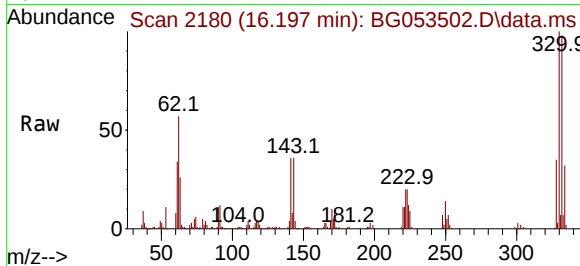




#67
4-Bromophenyl-phenylether
Concen: 3.416 ng
RT: 16.197 min Scan# 2180
Delta R.T. -0.455 min
Lab File: BG053502.D
Acq: 9 May 2022 20:57

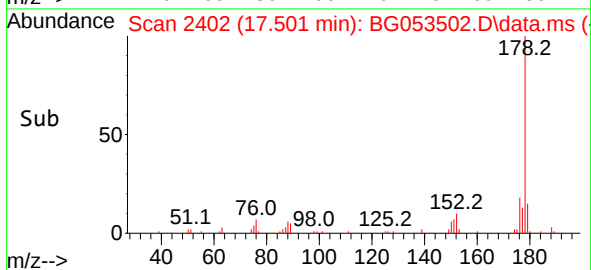
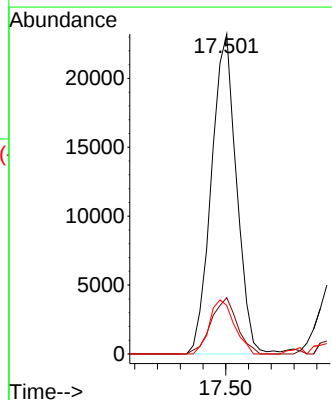
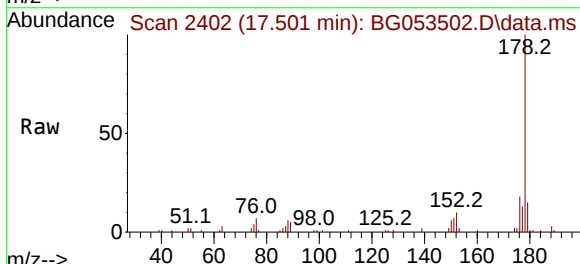
Instrument :
BNA_G
ClientSampleId :
124055

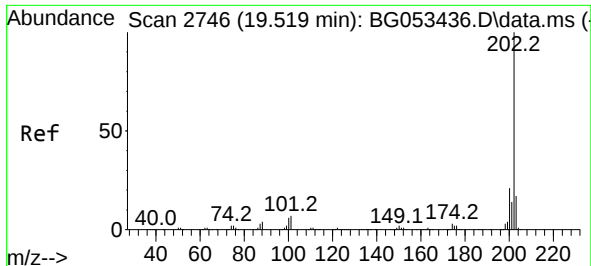
Tgt Ion:248 Resp: 8239
Ion Ratio Lower Upper
248 100
250 206.5 75.2 112.8#
141 529.2 50.0 75.0#



#71
Phenanthrene
Concen: 3.389 ng
RT: 17.501 min Scan# 2402
Delta R.T. -0.009 min
Lab File: BG053502.D
Acq: 9 May 2022 20:57

Tgt Ion:178 Resp: 35588
Ion Ratio Lower Upper
178 100
176 17.6 14.1 21.1
179 15.1 12.1 18.1

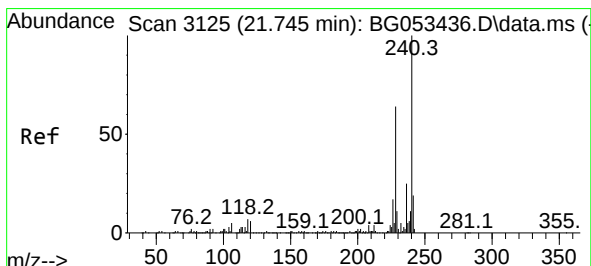
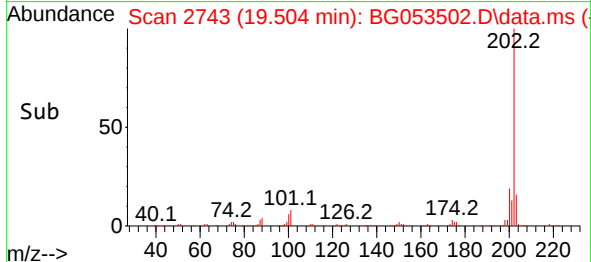
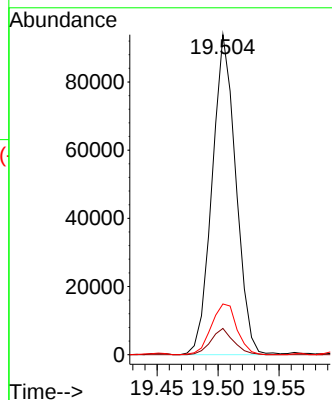
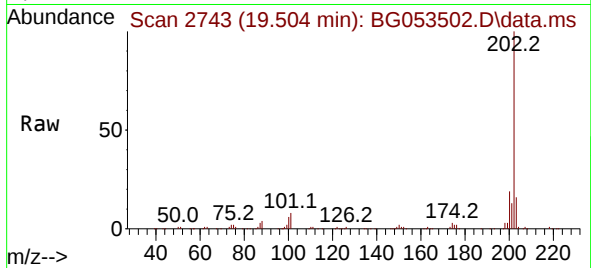




#75
Fluoranthene
Concen: 9.362 ng
RT: 19.504 min Scan# 21
Delta R.T. -0.015 min
Lab File: BG053502.D
Acq: 9 May 2022 20:57

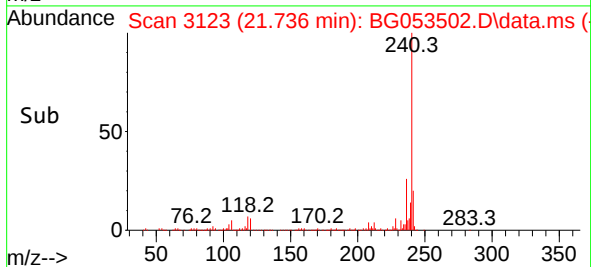
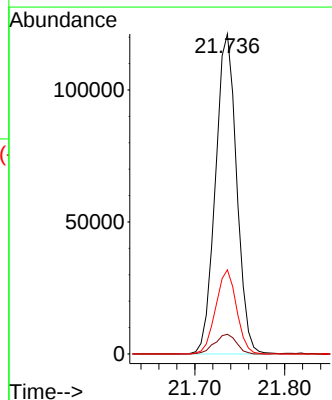
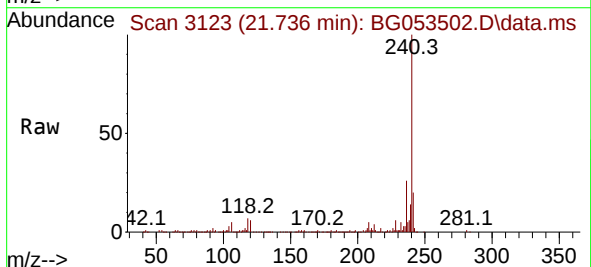
Instrument :
BNA_G
ClientSampleId :
124055

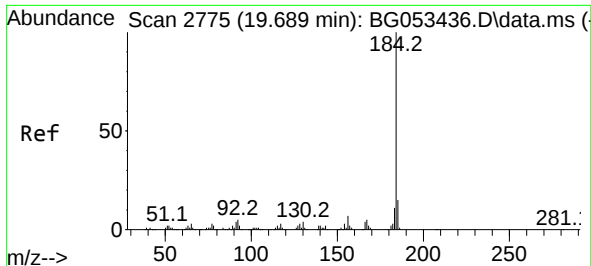
Tgt Ion:202 Resp: 127296
Ion Ratio Lower Upper
202 100
101 8.2 0.0 26.9
203 15.9 0.0 37.2



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.736 min Scan# 3123
Delta R.T. -0.009 min
Lab File: BG053502.D
Acq: 9 May 2022 20:57

Tgt Ion:240 Resp: 198543
Ion Ratio Lower Upper
240 100
120 6.2 4.6 7.0
236 26.3 20.2 30.4

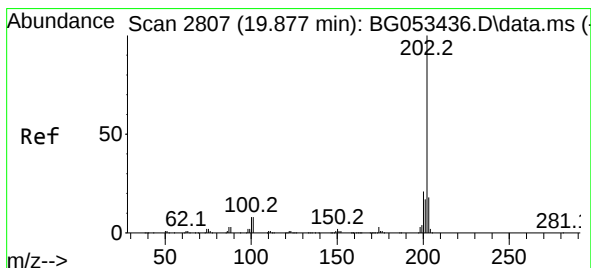
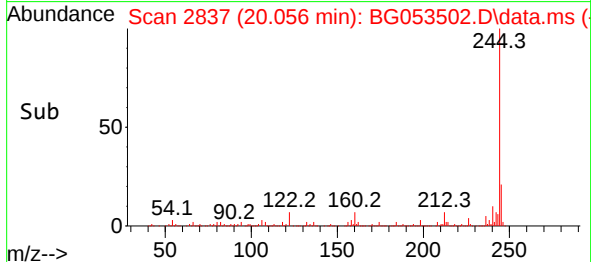
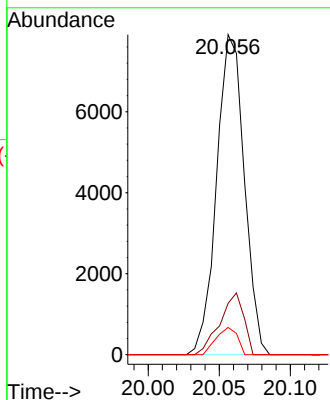
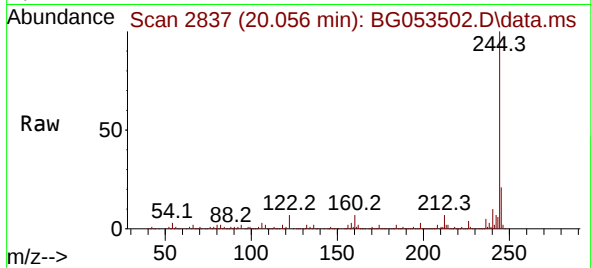




#77
Benzidine
Concen: 2.498 ng
RT: 20.056 min Scan# 21
Delta R.T. 0.367 min
Lab File: BG053502.D
Acq: 9 May 2022 20:57

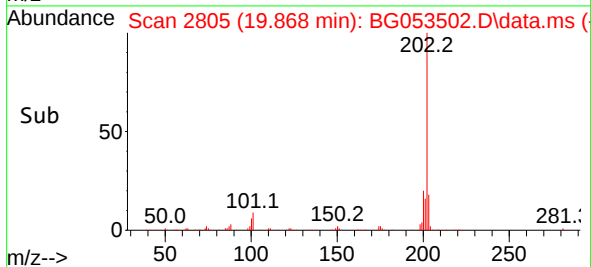
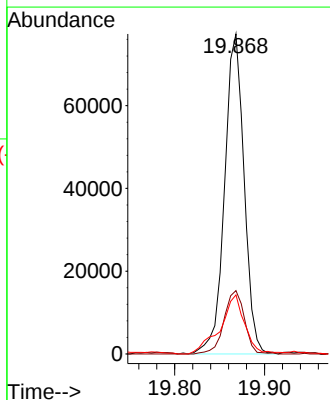
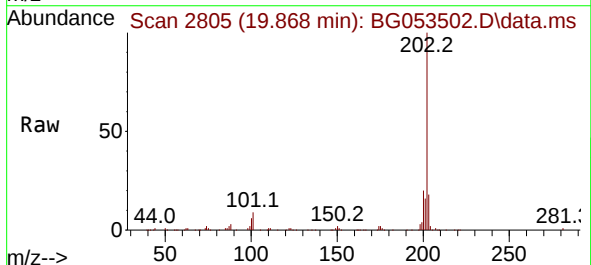
Instrument :
BNA_G
ClientSampleId :
124055

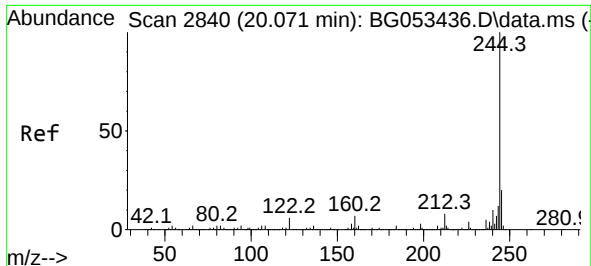
Tgt Ion:184 Resp: 10690
Ion Ratio Lower Upper
184 100
185 16.0 11.8 17.6
183 8.5 8.9 13.3#



#78
Pyrene
Concen: 9.098 ng
RT: 19.868 min Scan# 2805
Delta R.T. -0.009 min
Lab File: BG053502.D
Acq: 9 May 2022 20:57

Tgt Ion:202 Resp: 116939
Ion Ratio Lower Upper
202 100
200 19.8 16.6 24.8
203 18.4 14.6 21.8

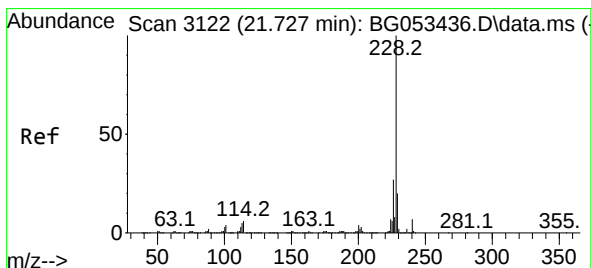
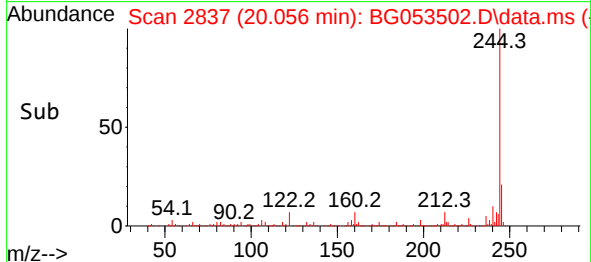
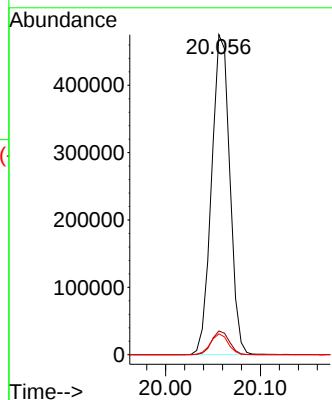
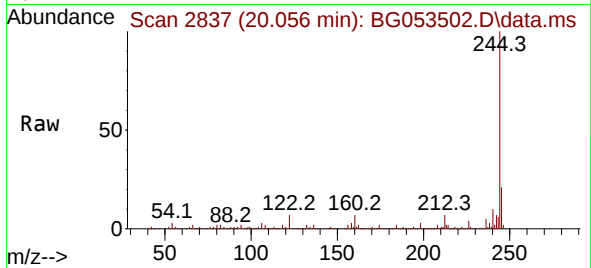




#79
 Terphenyl-d14
 Concen: 59.504 ng
 RT: 20.056 min Scan# 21
 Delta R.T. -0.015 min
 Lab File: BG053502.D
 Acq: 9 May 2022 20:57

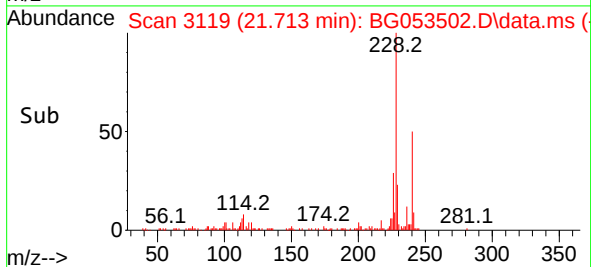
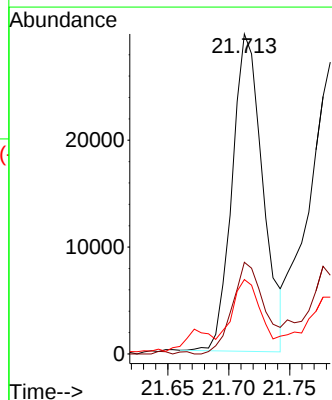
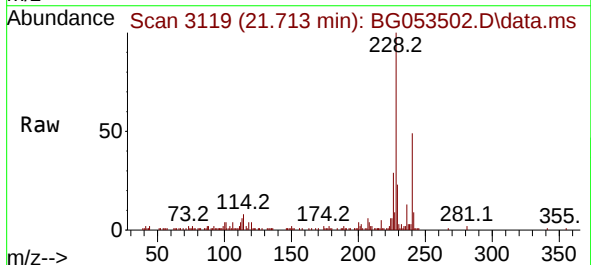
Instrument :
 BNA_G
 ClientSampleId :
 124055

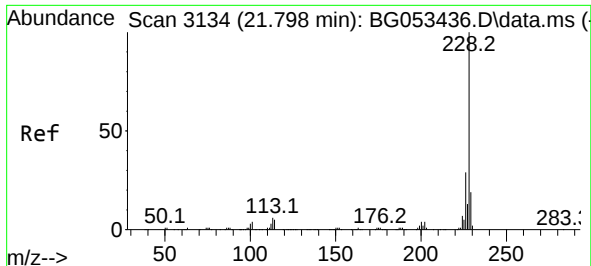
Tgt Ion:244 Resp: 634325
 Ion Ratio Lower Upper
 244 100
 212 7.4 6.5 9.7
 122 6.5 5.0 7.4



#81
 Benzo(a)anthracene
 Concen: 4.107 ng
 RT: 21.713 min Scan# 3119
 Delta R.T. -0.015 min
 Lab File: BG053502.D
 Acq: 9 May 2022 20:57

Tgt Ion:228 Resp: 52004
 Ion Ratio Lower Upper
 228 100
 226 28.6 21.6 32.4
 229 23.2 16.2 24.2

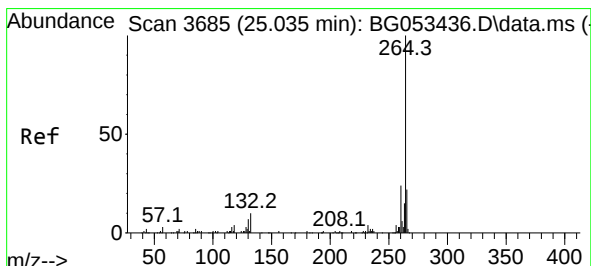
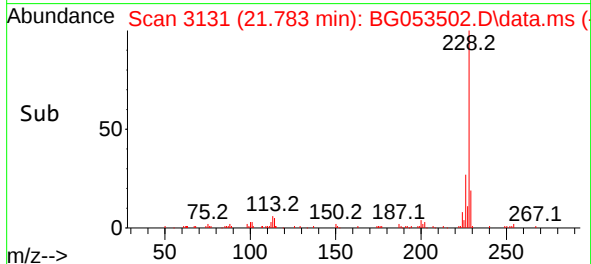
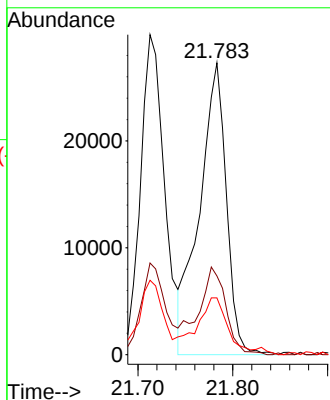
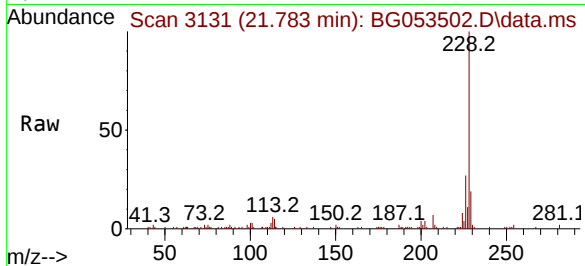




#83
Chrysene
Concen: 4.569 ng
RT: 21.783 min Scan# 3134
Delta R.T. -0.015 min
Lab File: BG053502.D
Acq: 9 May 2022 20:57

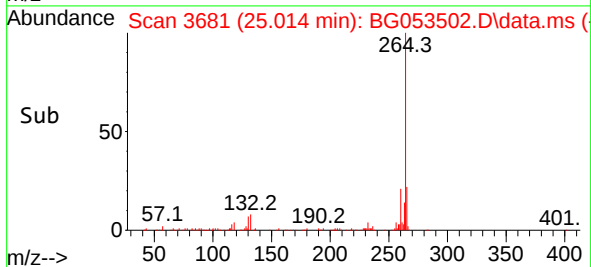
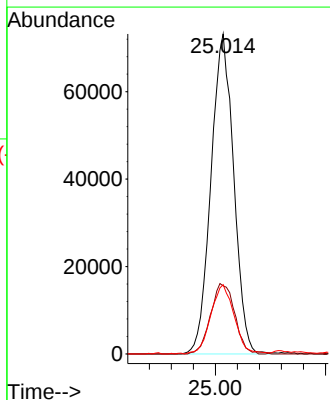
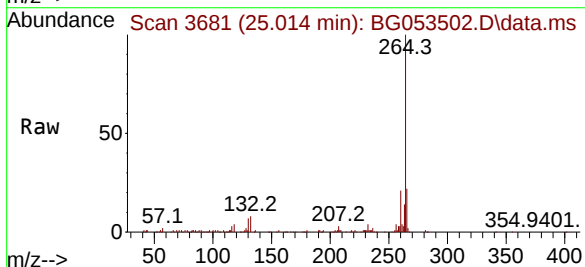
Instrument :
BNA_G
ClientSampleId :
124055

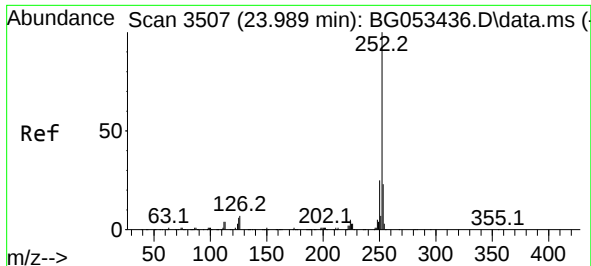
Tgt Ion:228	Resp: 54044
Ion Ratio	Lower Upper
228 100	
226 27.0	23.4 35.2
229 19.5	15.5 23.3



#86
Perylene-d12
Concen: 20.000 ng
RT: 25.014 min Scan# 3681
Delta R.T. -0.020 min
Lab File: BG053502.D
Acq: 9 May 2022 20:57

Tgt Ion:264	Resp: 210048
Ion Ratio	Lower Upper
264 100	
260 21.3	19.0 28.6
265 21.6	17.4 26.2

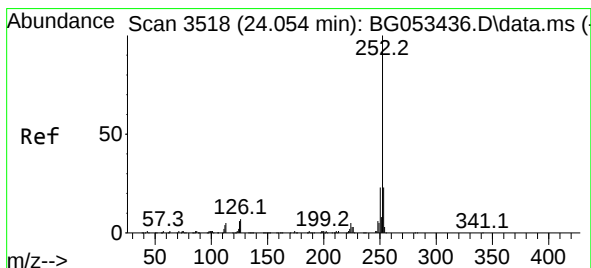
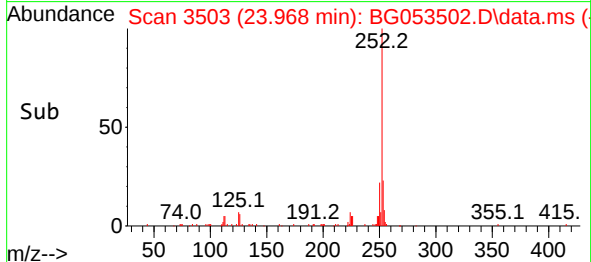
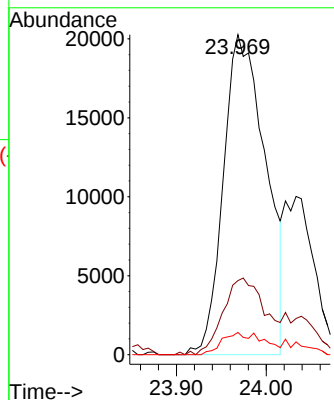
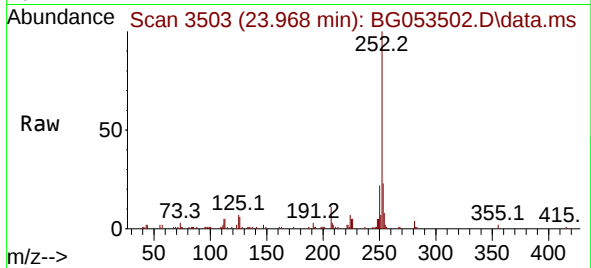




#88
Benzo(b)fluoranthene
Concen: 5.317 ng
RT: 23.968 min Scan# 3503
Delta R.T. -0.020 min
Lab File: BG053502.D
Acq: 9 May 2022 20:57

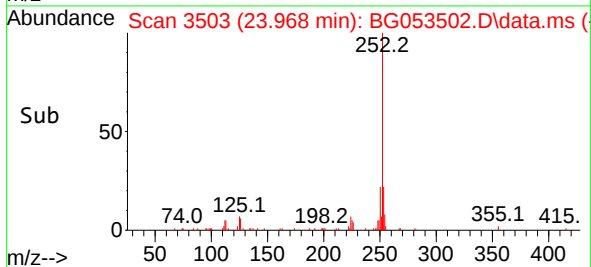
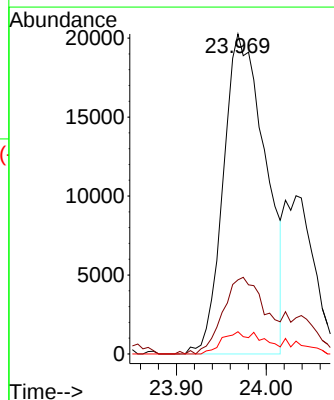
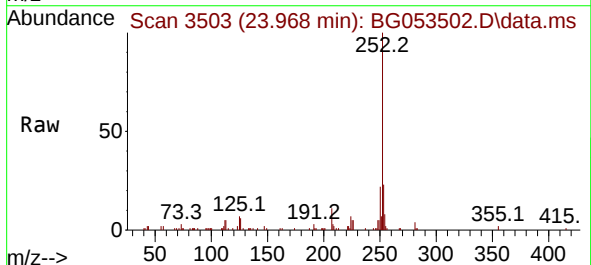
Instrument :
BNA_G
ClientSampleId :
124055

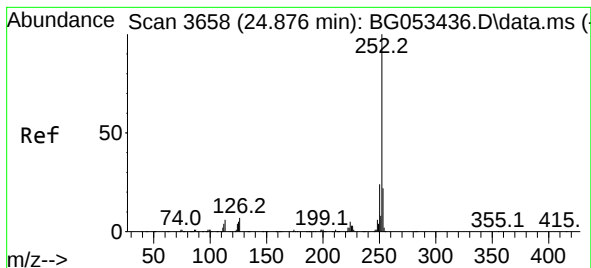
Tgt Ion:252 Resp: 66105
Ion Ratio Lower Upper
252 100
253 23.2 18.0 27.0
125 7.0 4.6 6.8#



#89
Benzo(k)fluoranthene
Concen: 5.411 ng
RT: 23.968 min Scan# 3503
Delta R.T. -0.085 min
Lab File: BG053502.D
Acq: 9 May 2022 20:57

Tgt Ion:252 Resp: 66105
Ion Ratio Lower Upper
252 100
253 23.2 18.4 27.6
125 7.0 4.8 7.2





#90

Benzo(a)pyrene

Concen: 3.982 ng

RT: 24.856 min Scan# 30

Delta R.T. -0.020 min

Lab File: BG053502.D

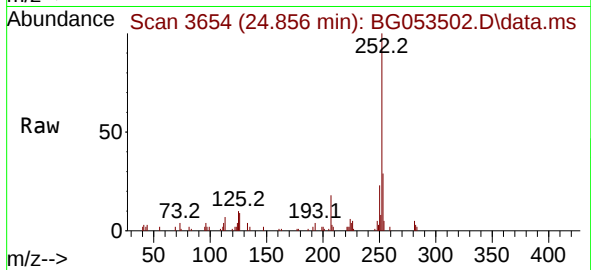
Acq: 9 May 2022 20:57

Instrument :

BNA_G

ClientSampleId :

124055



Tgt Ion:252 Resp: 42142

Ion Ratio Lower Upper

252 100

253 28.7 17.8 26.8#

125 9.5 4.3 6.5#

