

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG052022\
 Data File : BG053654.D
 Acq On : 20 May 2022 21:42
 Operator : CG/JU
 Sample : N2940-02
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 CL-1-051922

Quant Time: May 23 01:35:19 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG050522.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri May 20 03:55:28 2022
 Response via : Initial Calibration

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

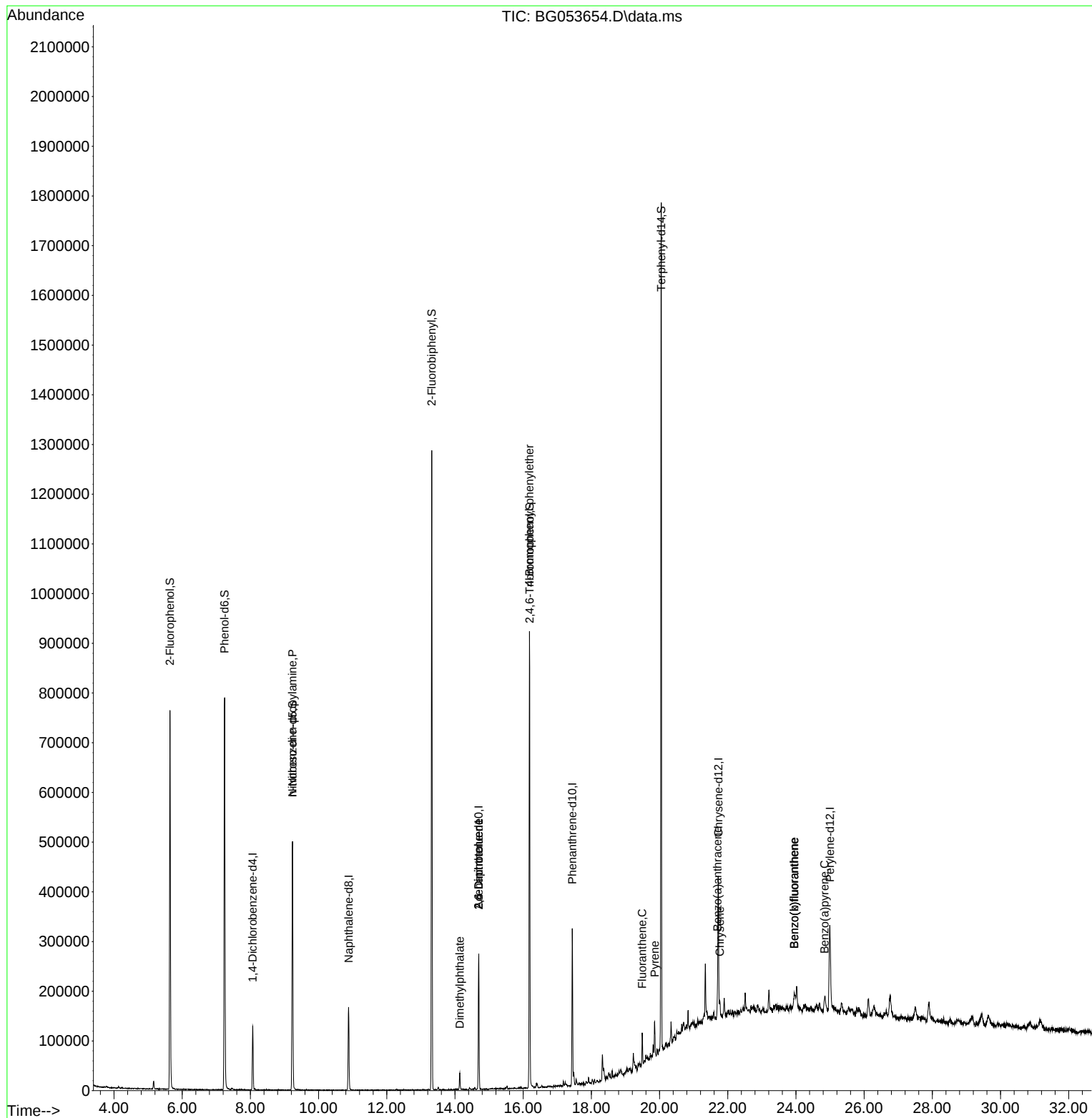
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.066	152	36266	20.000	ng	0.00
21) Naphthalene-d8	10.880	136	144576	20.000	ng	0.00
39) Acenaphthene-d10	14.698	164	97402	20.000	ng	0.00
64) Phenanthrene-d10	17.442	188	199861	20.000	ng	0.00
76) Chrysene-d12	21.724	240	172309	20.000	ng	0.00
86) Perylene-d12	24.996	264	168870	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.640	112	325273	152.218	ng	0.00
7) Phenol-d6	7.244	99	474167	146.209	ng	0.00
23) Nitrobenzene-d5	9.235	82	327957	96.562	ng	0.00
42) 2,4,6-Tribromophenol	16.190	330	184262	128.266	ng	0.00
45) 2-Fluorobiphenyl	13.318	172	685617	102.860	ng	0.00
79) Terphenyl-d14	20.050	244	906000	97.929	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	9.235	70	44970	19.326	ng	# 79
50) Dimethylphthalate	14.140	163	21680	2.929	ng	98
51) 2,6-Dinitrotoluene	14.698	165	12855	8.525	ng	# 18
57) 2,4-Dinitrotoluene	14.698	165	12855	5.881	ng	# 23
67) 4-Bromophenyl-phenylether	16.185	248	12159	5.209	ng	# 1
75) Fluoranthene	19.492	202	40859	3.105	ng	96
78) Pyrene	19.856	202	42205	3.784	ng	98
81) Benzo(a)anthracene	21.701	228	25069	2.281	ng	# 94
83) Chrysene	21.765	228	27313	2.661	ng	94
88) Benzo(b)fluoranthene	23.951	252	36970	3.699	ng	# 82
89) Benzo(k)fluoranthene	23.951	252	36970	3.764	ng	# 83
90) Benzo(a)pyrene	24.838	252	26230	3.083	ng	# 72

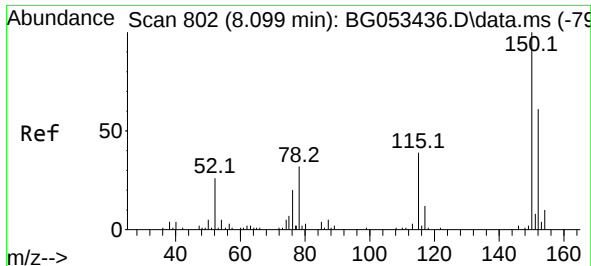
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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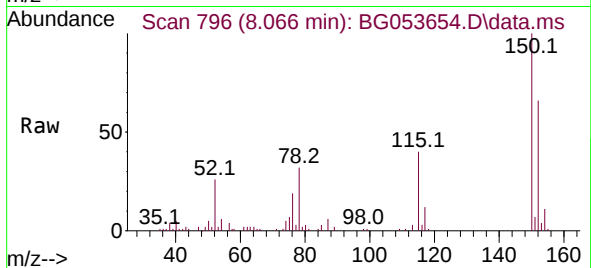
Quant Time: May 23 01:35:19 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG050522.M
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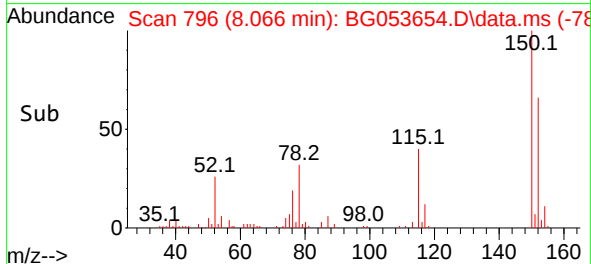
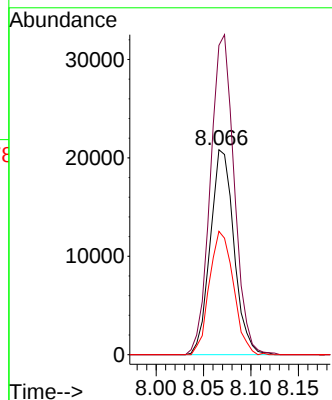


#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.066 min Scan# 796
Delta R.T. -0.009 min
Lab File: BG053654.D
Acq: 20 May 2022 21:42

Instrument :
BNA_G
ClientSampleId :
CL-1-051922

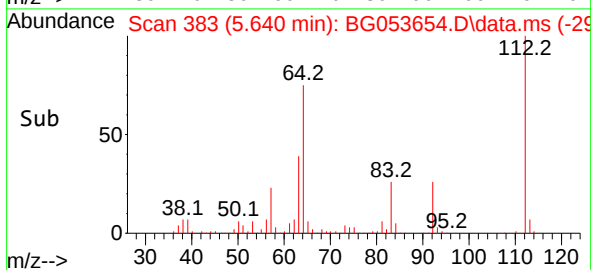
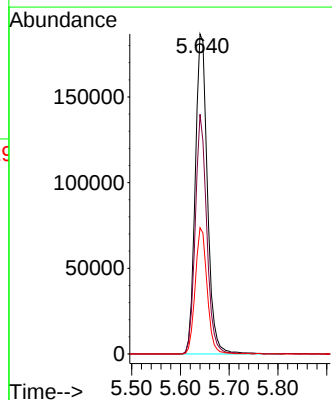
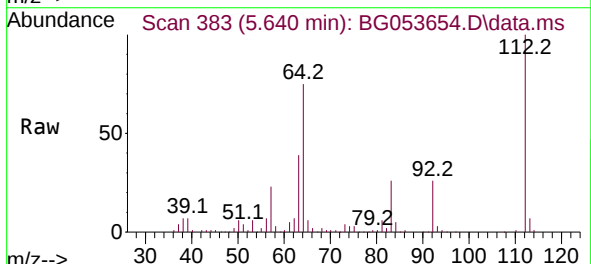


Tgt Ion:152 Resp: 36266
Ion Ratio Lower Upper
152 100
150 150.9 131.6 197.4
115 60.2 50.9 76.3



#5
2-Fluorophenol
Concen: 152.218 ng
RT: 5.640 min Scan# 383
Delta R.T. -0.003 min
Lab File: BG053654.D
Acq: 20 May 2022 21:42

Tgt Ion:112 Resp: 325273
Ion Ratio Lower Upper
112 100
64 74.9 55.1 82.7
63 39.4 30.4 45.6

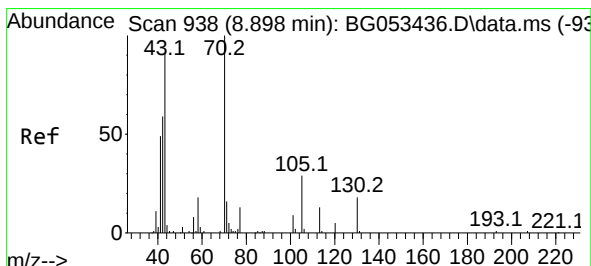
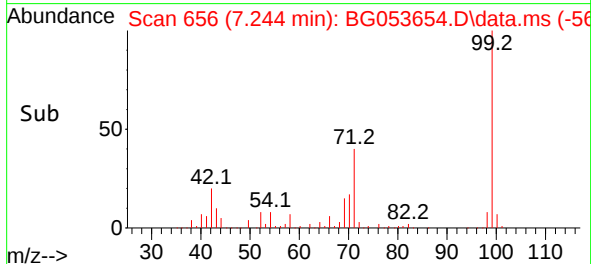
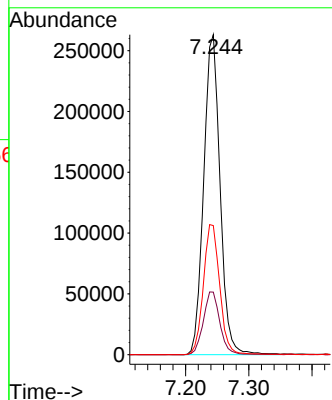
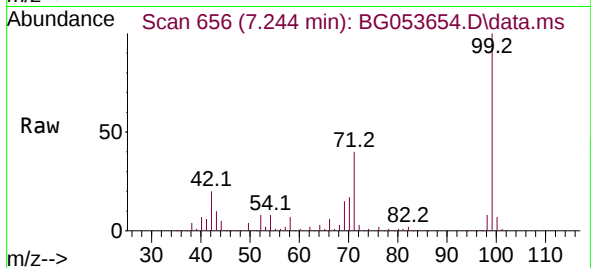




#7
Phenol-d6
Concen: 146.209 ng
RT: 7.244 min Scan# 61
Delta R.T. 0.003 min
Lab File: BG053654.D
Acq: 20 May 2022 21:42

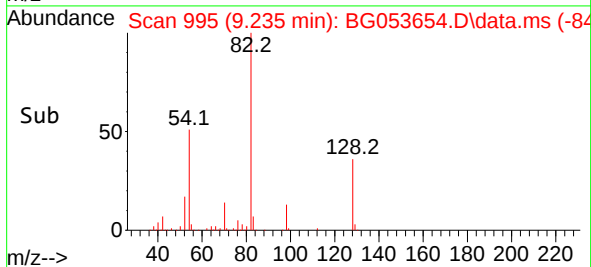
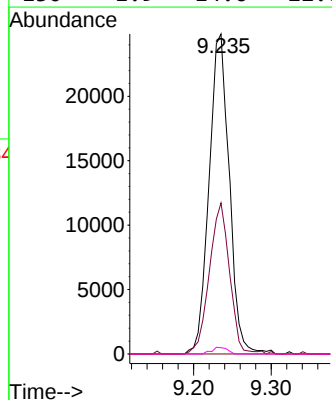
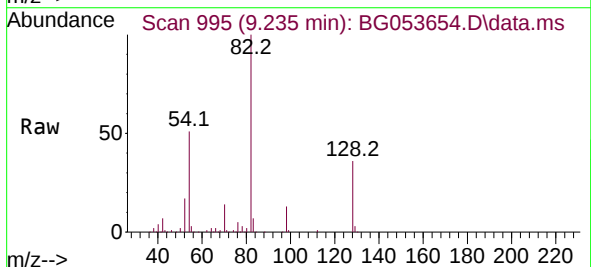
Instrument :
BNA_G
ClientSampleId :
CL-1-051922

Tgt Ion: 99 Resp: 474167
Ion Ratio Lower Upper
99 100
42 19.5 17.0 25.6
71 40.4 33.8 50.8



#19
n-Nitroso-di-n-propylamine
Concen: 19.326 ng
RT: 9.235 min Scan# 995
Delta R.T. 0.355 min
Lab File: BG053654.D
Acq: 20 May 2022 21:42

Tgt Ion: 70 Resp: 44970
Ion Ratio Lower Upper
70 100
42 47.2 47.3 70.9#
101 0.0 7.0 10.4#
130 1.9 14.6 22.0#

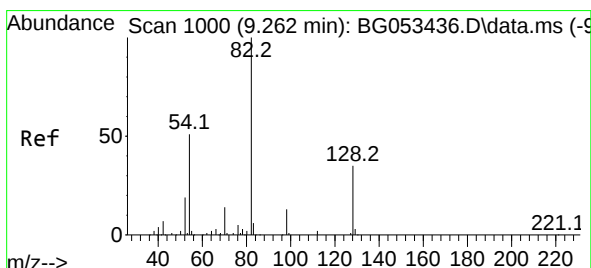
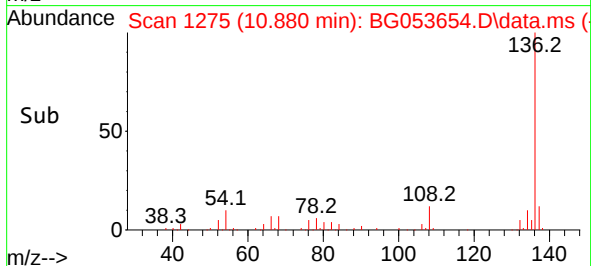
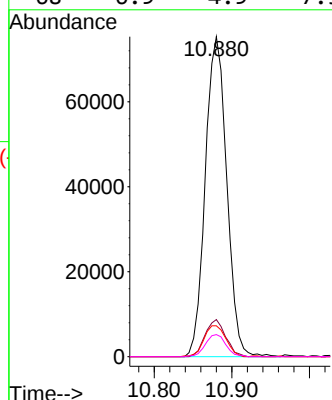
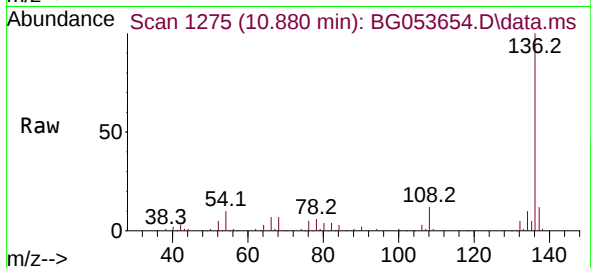




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.880 min Scan# 11
Delta R.T. -0.003 min
Lab File: BG053654.D
Acq: 20 May 2022 21:42

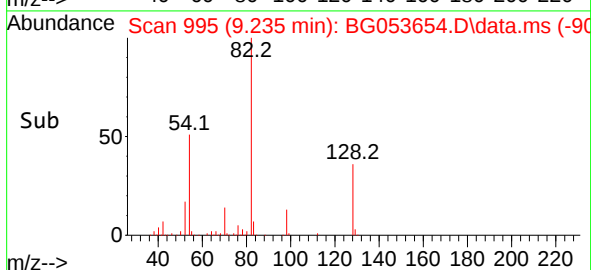
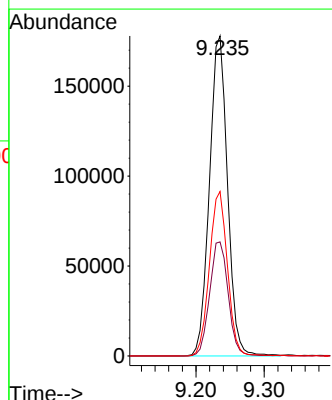
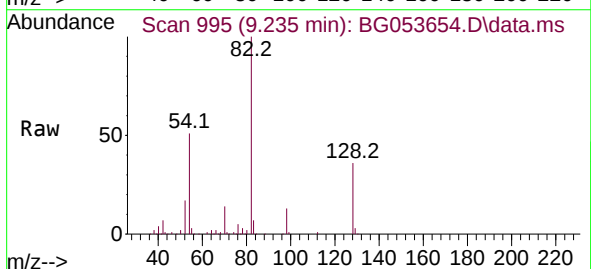
Instrument :
BNA_G
ClientSampleId :
CL-1-051922

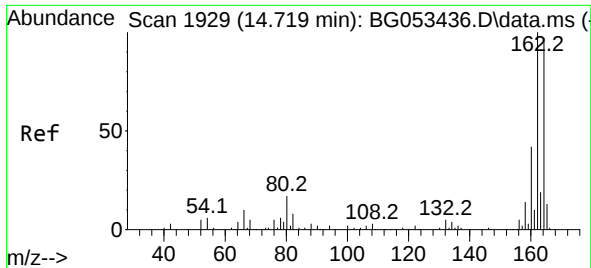
Tgt Ion:	136	Resp:	144576
Ion Ratio	Lower	Upper	
136	100		
137	11.6	8.5	12.7
54	9.6	7.4	11.2
68	6.9	4.9	7.3



#23
Nitrobenzene-d5
Concen: 96.562 ng
RT: 9.235 min Scan# 995
Delta R.T. -0.003 min
Lab File: BG053654.D
Acq: 20 May 2022 21:42

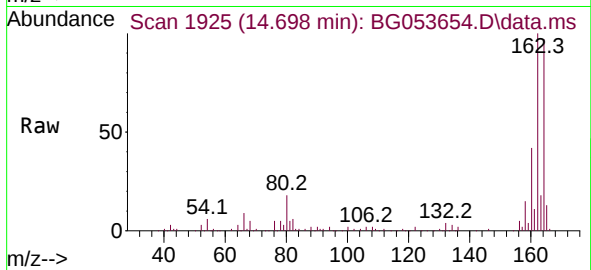
Tgt Ion:	82	Resp:	327957
Ion Ratio	Lower	Upper	
82	100		
128	35.6	27.9	41.9
54	51.4	41.2	61.8



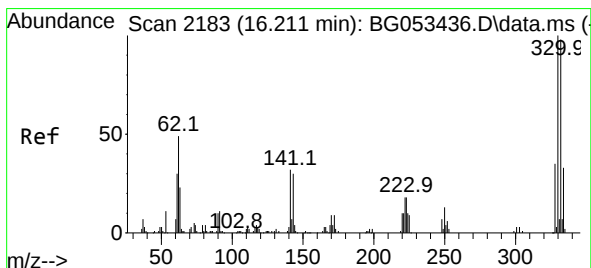
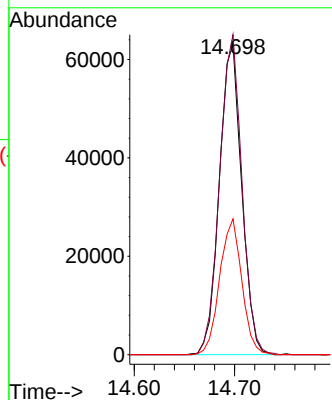
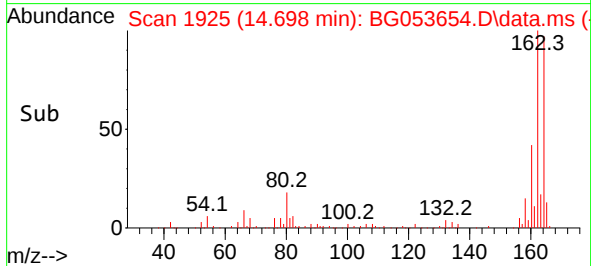


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.698 min Scan# 1925
Delta R.T. -0.003 min
Lab File: BG053654.D
Acq: 20 May 2022 21:42

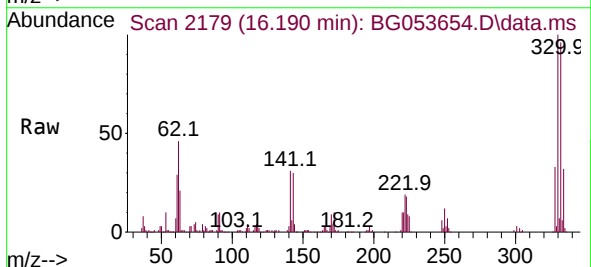
Instrument :
BNA_G
ClientSampleId :
CL-1-051922



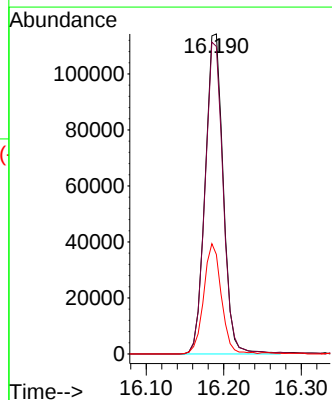
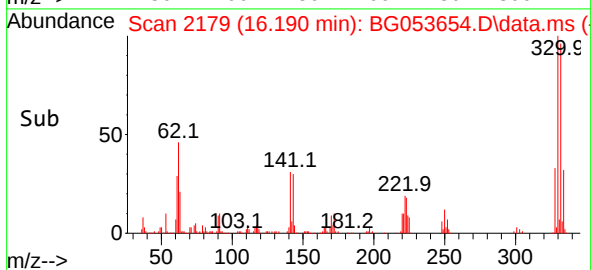
Tgt Ion:164 Resp: 97402
Ion Ratio Lower Upper
164 100
162 103.0 82.3 123.5
160 43.7 34.2 51.2

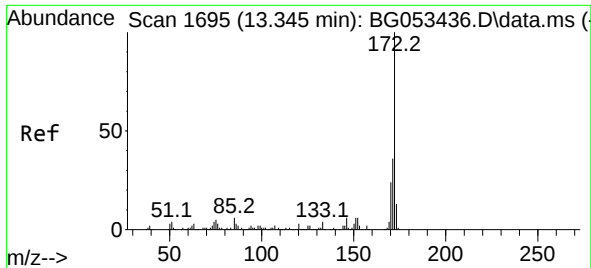


#42
2,4,6-Tribromophenol
Concen: 128.266 ng
RT: 16.190 min Scan# 2179
Delta R.T. -0.003 min
Lab File: BG053654.D
Acq: 20 May 2022 21:42



Tgt Ion:330 Resp: 184262
Ion Ratio Lower Upper
330 100
332 97.3 76.0 114.0
141 33.7 27.1 40.7

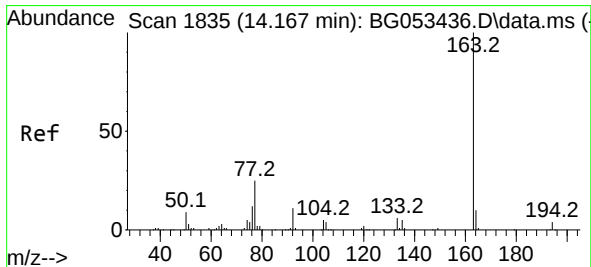
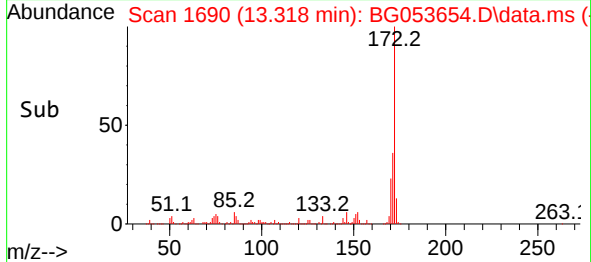
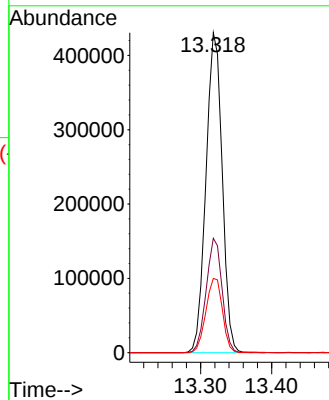
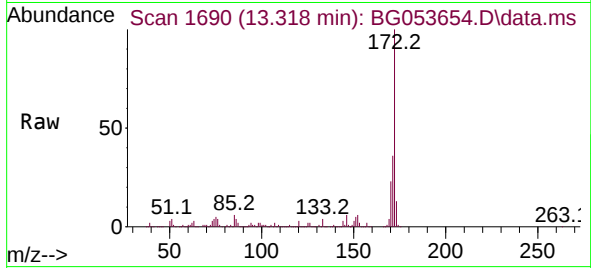




#45
2-Fluorobiphenyl
Concen: 102.860 ng
RT: 13.318 min Scan# 1
Delta R.T. -0.009 min
Lab File: BG053654.D
Acq: 20 May 2022 21:42

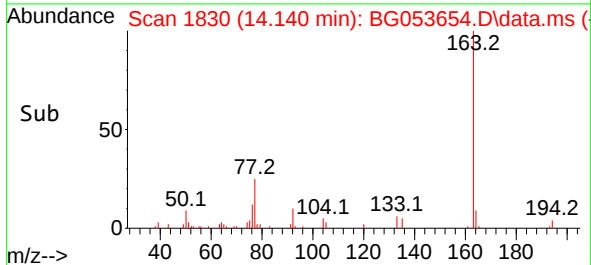
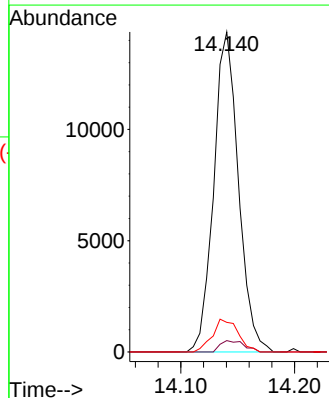
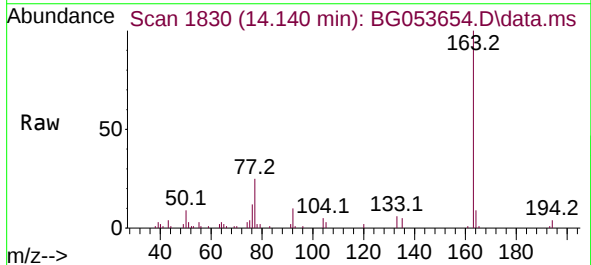
Instrument :
BNA_G
ClientSampleId :
CL-1-051922

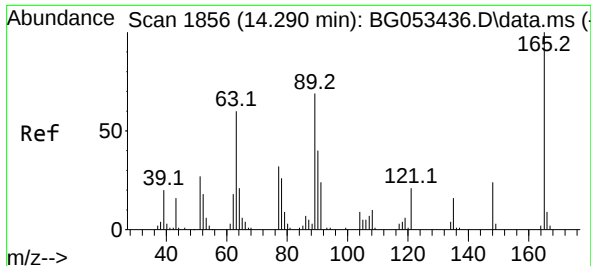
Tgt Ion:172 Resp: 685617
Ion Ratio Lower Upper
172 100
171 35.7 28.5 42.7
170 23.2 18.9 28.3



#50
Dimethylphthalate
Concen: 2.929 ng
RT: 14.140 min Scan# 1830
Delta R.T. -0.009 min
Lab File: BG053654.D
Acq: 20 May 2022 21:42

Tgt Ion:163 Resp: 21680
Ion Ratio Lower Upper
163 100
194 3.6 3.0 4.6
164 9.2 8.0 12.0





#51

2,6-Dinitrotoluene

Concen: 8.525 ng

RT: 14.698 min Scan# 1925

Delta R.T. 0.426 min

Lab File: BG053654.D

Acq: 20 May 2022 21:42

Instrument :

BNA_G

ClientSampleId :

CL-1-051922

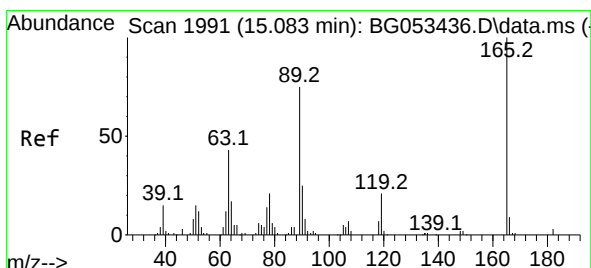
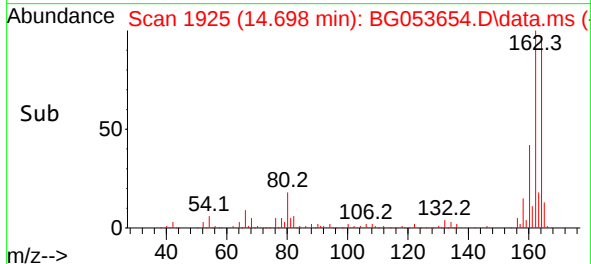
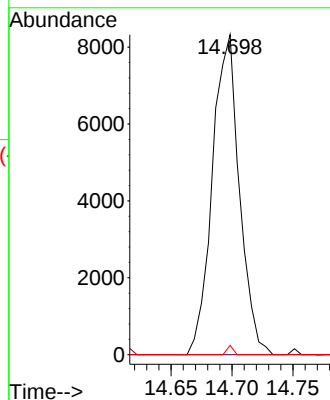
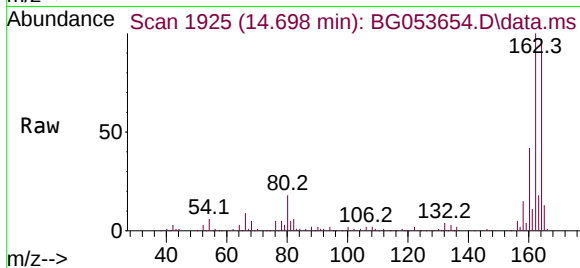
Tgt Ion:165 Resp: 12855

Ion Ratio Lower Upper

165 100

63 0.0 54.1 81.1#

89 2.9 54.8 82.2#



#57

2,4-Dinitrotoluene

Concen: 5.881 ng

RT: 14.698 min Scan# 1925

Delta R.T. -0.367 min

Lab File: BG053654.D

Acq: 20 May 2022 21:42

Tgt Ion:165 Resp: 12855

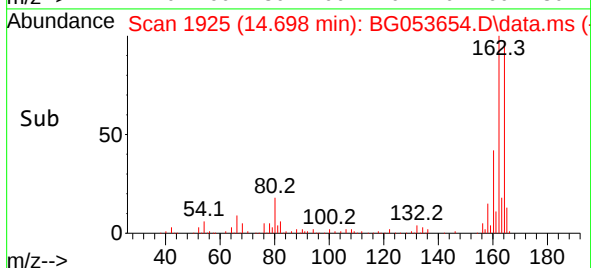
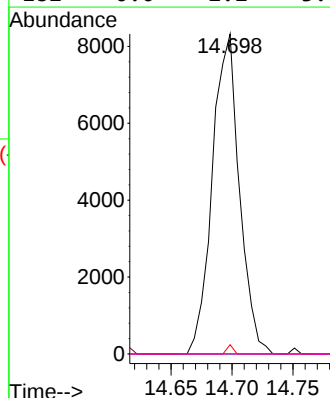
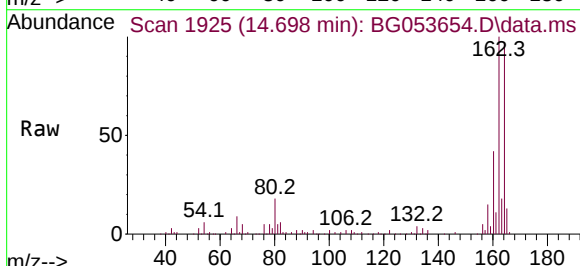
Ion Ratio Lower Upper

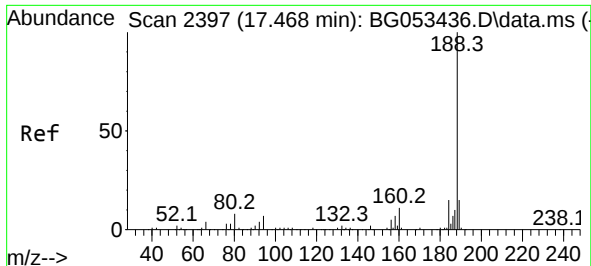
165 100

63 0.0 34.6 52.0#

89 2.9 60.3 90.5#

182 0.0 2.2 3.4#

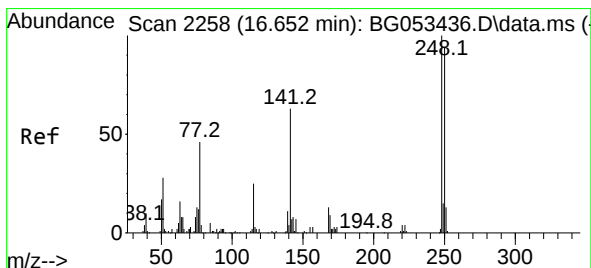
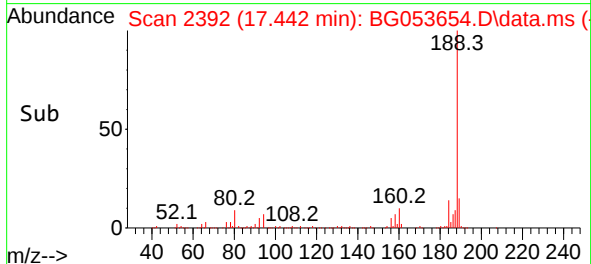
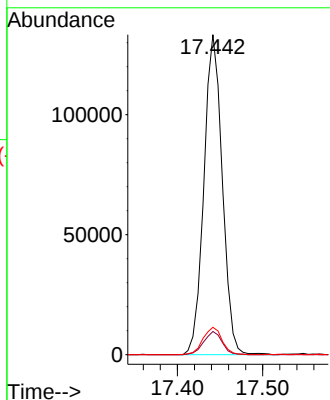
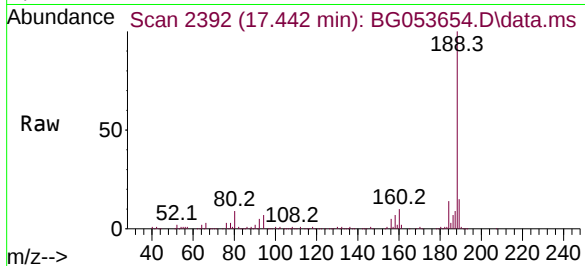




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.442 min Scan# 21
Delta R.T. -0.009 min
Lab File: BG053654.D
Acq: 20 May 2022 21:42

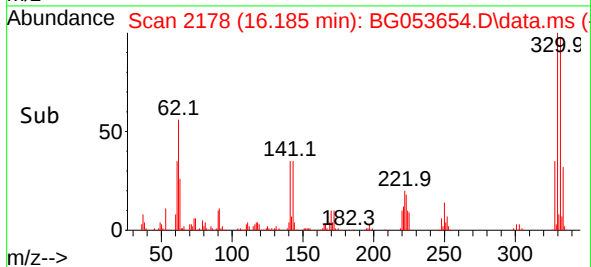
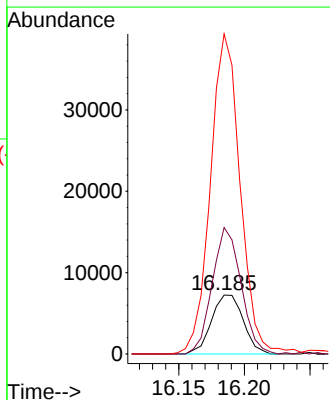
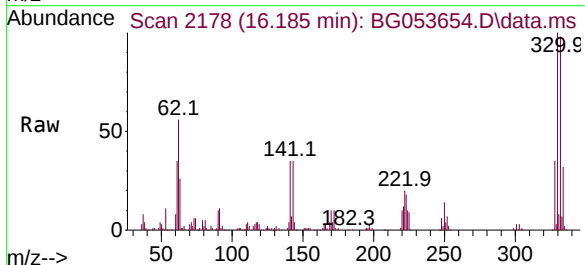
Instrument :
BNA_G
ClientSampleId :
CL-1-051922

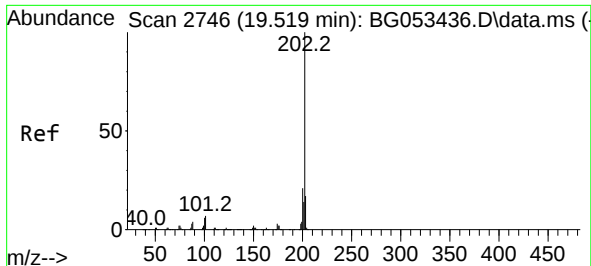
Tgt Ion:188 Resp: 199861
Ion Ratio Lower Upper
188 100
94 7.2 5.4 8.0
80 8.6 6.8 10.2



#67
4-Bromophenyl-phenylether
Concen: 5.209 ng
RT: 16.185 min Scan# 2178
Delta R.T. -0.444 min
Lab File: BG053654.D
Acq: 20 May 2022 21:42

Tgt Ion:248 Resp: 12159
Ion Ratio Lower Upper
248 100
250 214.5 75.2 112.8#
141 542.8 50.0 75.0#

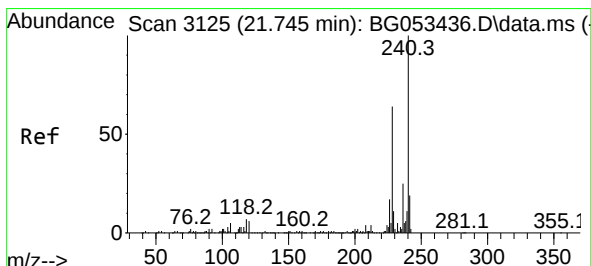
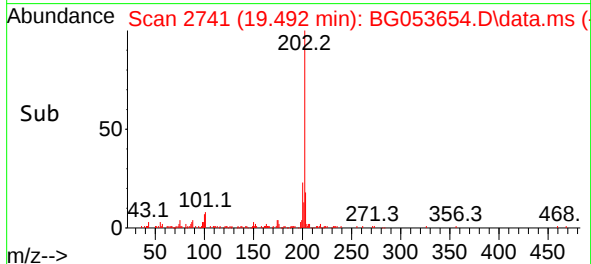
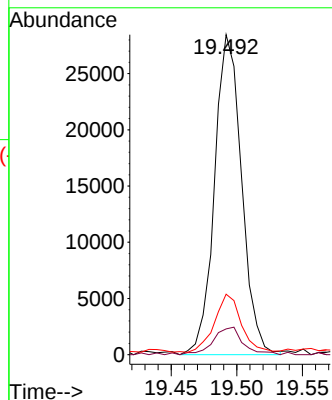
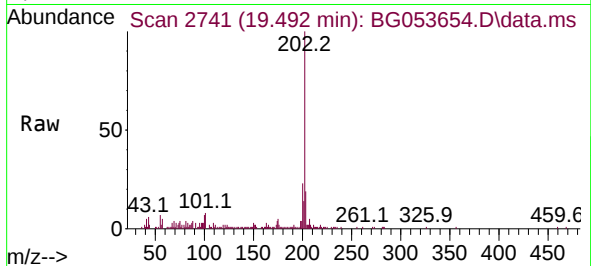




#75
Fluoranthene
Concen: 3.105 ng
RT: 19.492 min Scan# 21
Delta R.T. -0.009 min
Lab File: BG053654.D
Acq: 20 May 2022 21:42

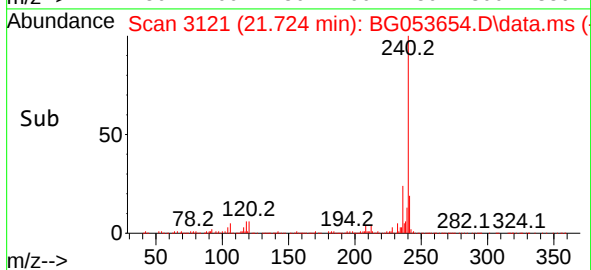
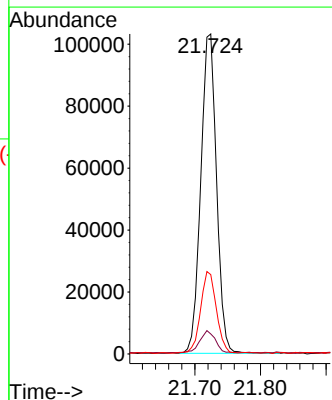
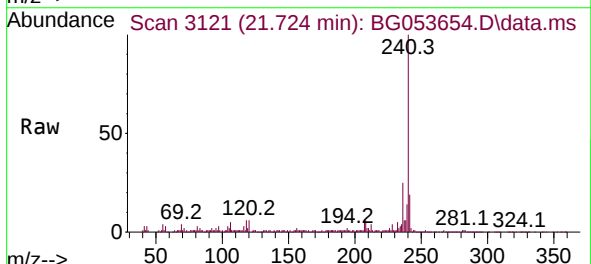
Instrument :
BNA_G
ClientSampleId :
CL-1-051922

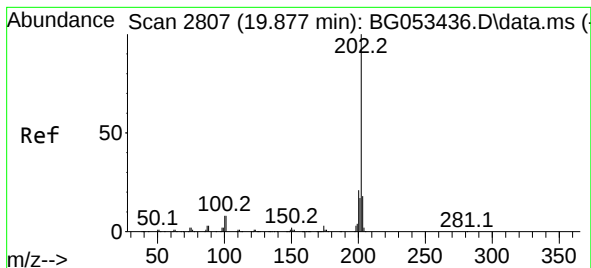
Tgt Ion:202 Resp: 40859
Ion Ratio Lower Upper
202 100
101 8.1 0.0 26.9
203 18.9 0.0 37.2



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.724 min Scan# 3121
Delta R.T. -0.009 min
Lab File: BG053654.D
Acq: 20 May 2022 21:42

Tgt Ion:240 Resp: 172309
Ion Ratio Lower Upper
240 100
120 6.2 4.6 7.0
236 24.8 20.2 30.4





#78

Pyrene

Concen: 3.784 ng

RT: 19.856 min Scan# 21

Delta R.T. -0.009 min

Lab File: BG053654.D

Acq: 20 May 2022 21:42

Instrument :

BNA_G

ClientSampleId :

CL-1-051922

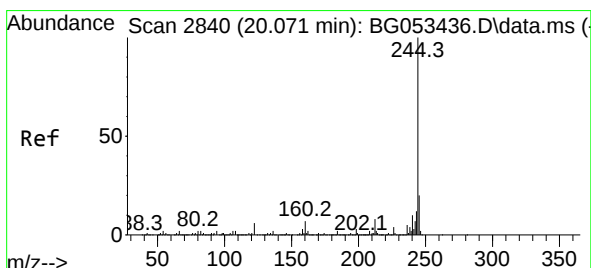
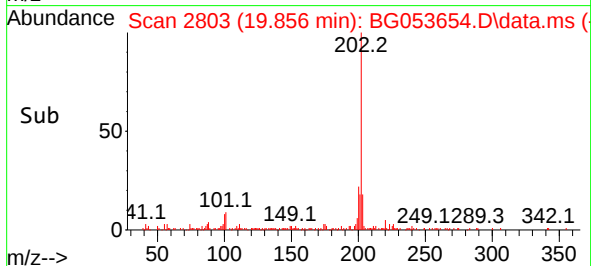
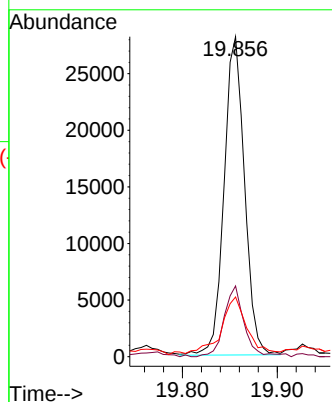
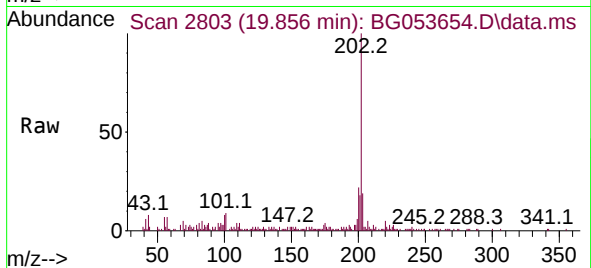
Tgt Ion:202 Resp: 42205

Ion Ratio Lower Upper

202 100

200 22.1 16.6 24.8

203 18.7 14.6 21.8



#79

Terphenyl-d14

Concen: 97.929 ng

RT: 20.050 min Scan# 2836

Delta R.T. -0.003 min

Lab File: BG053654.D

Acq: 20 May 2022 21:42

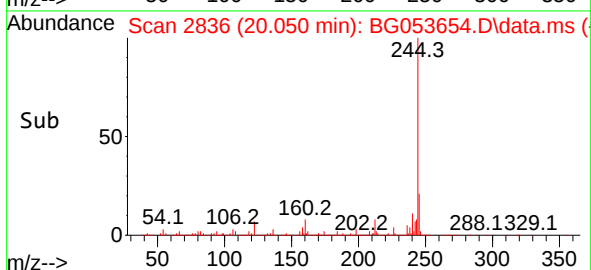
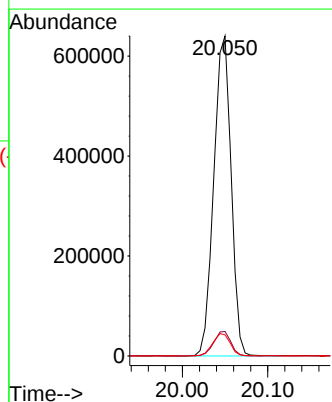
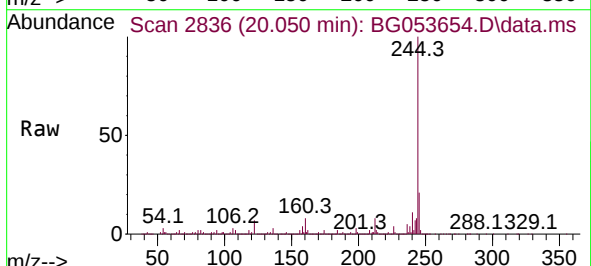
Tgt Ion:244 Resp: 906000

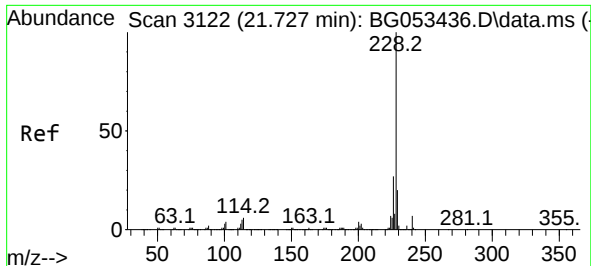
Ion Ratio Lower Upper

244 100

212 7.7 6.5 9.7

122 6.6 5.0 7.4

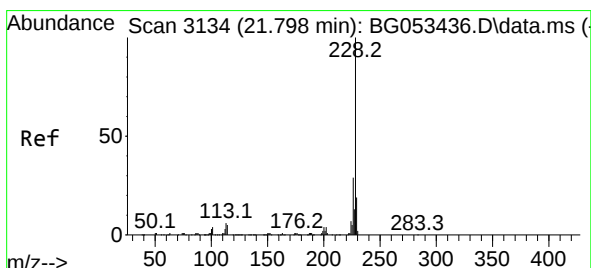
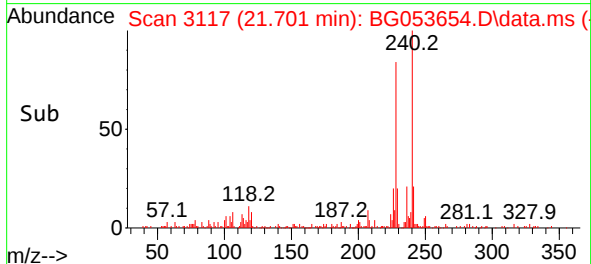
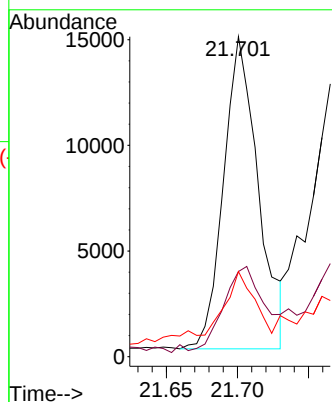
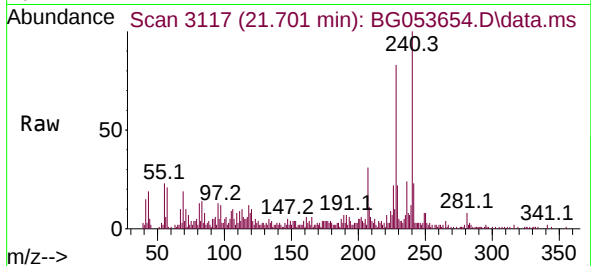




#81
Benzo(a)anthracene
Concen: 2.281 ng
RT: 21.701 min Scan# 3117
Delta R.T. -0.009 min
Lab File: BG053654.D
Acq: 20 May 2022 21:42

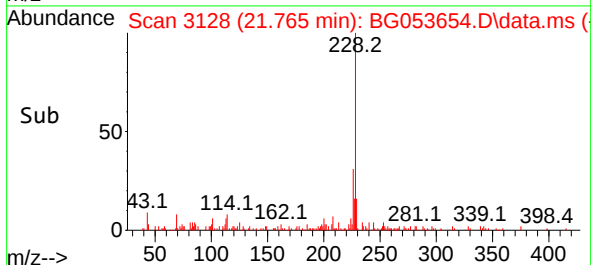
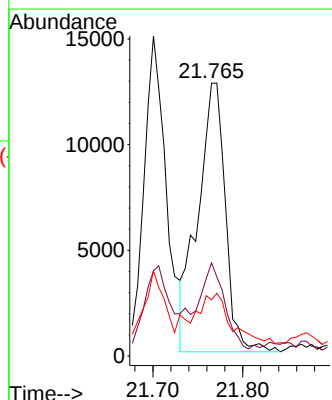
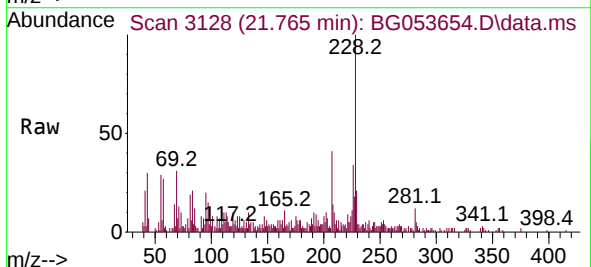
Instrument :
BNA_G
ClientSampleId :
CL-1-051922

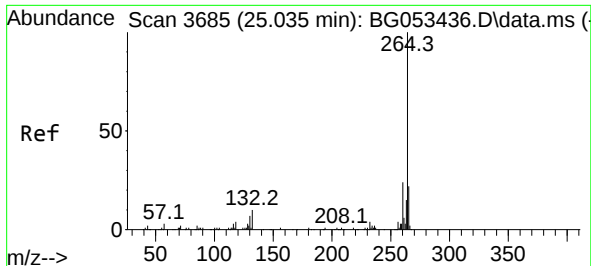
Tgt Ion:228 Resp: 25069
Ion Ratio Lower Upper
228 100
226 26.6 21.6 32.4
229 26.6 16.2 24.2#



#83
Chrysene
Concen: 2.661 ng
RT: 21.765 min Scan# 3128
Delta R.T. -0.009 min
Lab File: BG053654.D
Acq: 20 May 2022 21:42

Tgt Ion:228 Resp: 27313
Ion Ratio Lower Upper
228 100
226 34.1 23.4 35.2
229 20.6 15.5 23.3

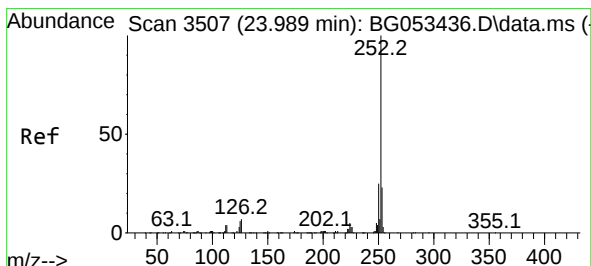
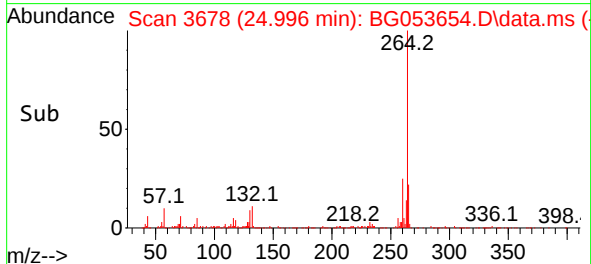
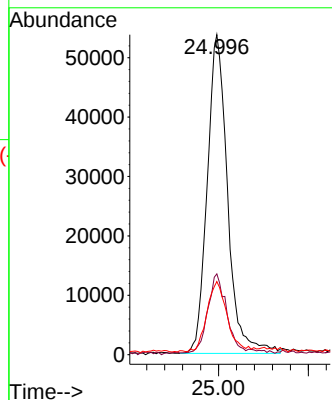
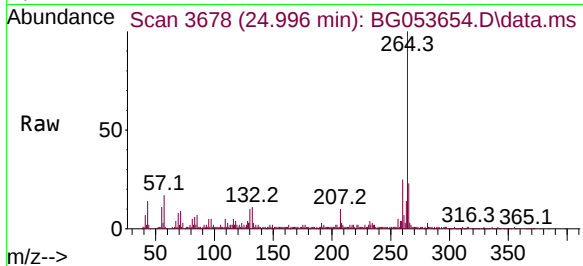




#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 24.996 min Scan# 30
 Delta R.T. -0.009 min
 Lab File: BG053654.D
 Acq: 20 May 2022 21:42

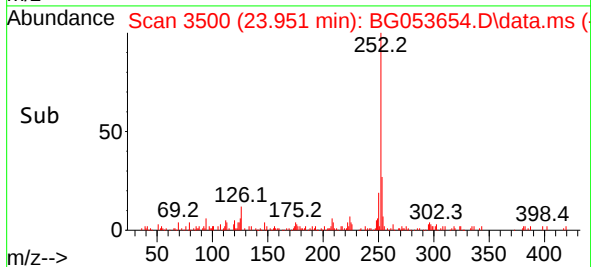
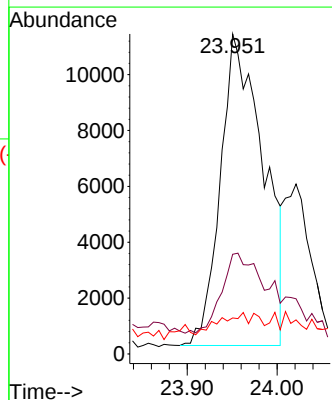
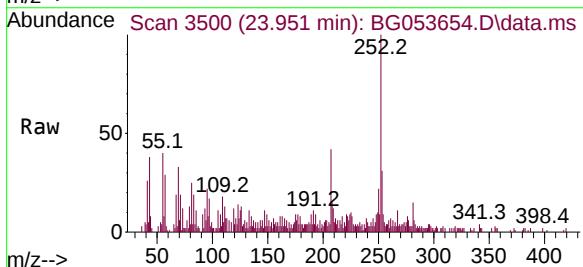
Instrument :
 BNA_G
 ClientSampleId :
 CL-1-051922

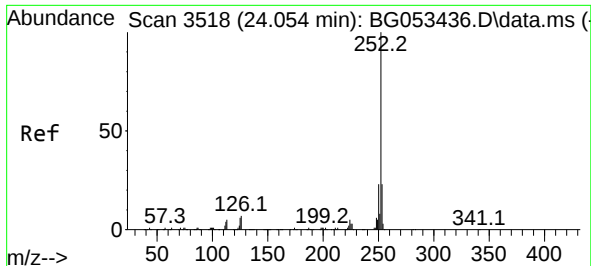
Tgt Ion:264 Resp: 168870
 Ion Ratio Lower Upper
 264 100
 260 25.2 19.0 28.6
 265 22.9 17.4 26.2



#88
 Benzo(b)fluoranthene
 Concen: 3.699 ng
 RT: 23.951 min Scan# 3500
 Delta R.T. -0.009 min
 Lab File: BG053654.D
 Acq: 20 May 2022 21:42

Tgt Ion:252 Resp: 36970
 Ion Ratio Lower Upper
 252 100
 253 31.1 18.0 27.0#
 125 11.3 4.6 6.8#

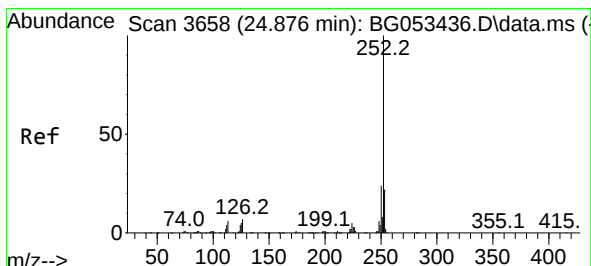
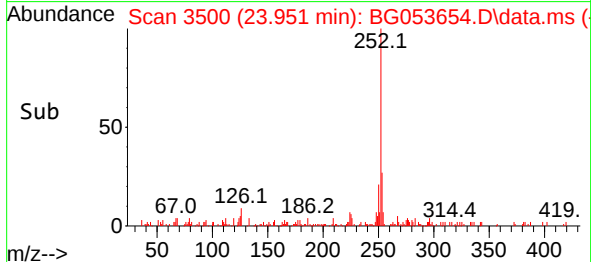
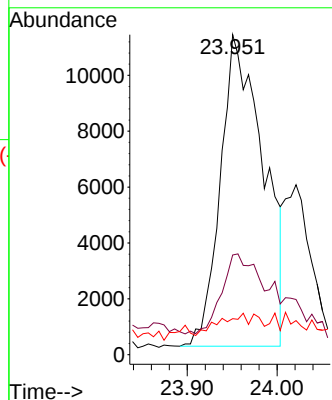
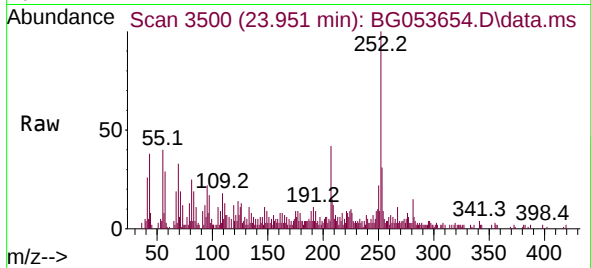




#89
Benzo(k)fluoranthene
Concen: 3.764 ng
RT: 23.951 min Scan# 31
Delta R.T. -0.079 min
Lab File: BG053654.D
Acq: 20 May 2022 21:42

Instrument :
BNA_G
ClientSampleId :
CL-1-051922

Tgt Ion:252 Resp: 36970
Ion Ratio Lower Upper
252 100
253 31.1 18.4 27.6#
125 11.3 4.8 7.2#



#90
Benzo(a)pyrene
Concen: 3.083 ng
RT: 24.838 min Scan# 3651
Delta R.T. -0.009 min
Lab File: BG053654.D
Acq: 20 May 2022 21:42

Tgt Ion:252 Resp: 26230
Ion Ratio Lower Upper
252 100
253 34.7 17.8 26.8#
125 18.3 4.3 6.5#

