

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG031122\
 Data File : BG052649.D
 Acq On : 11 Mar 2022 16:19
 Operator : CG/JU
 Sample : N1864-11
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 MB-B1-030922-0-2

Quant Time: Mar 12 06:16:33 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG030922.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Mar 10 06:37:54 2022
 Response via : Initial Calibration

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

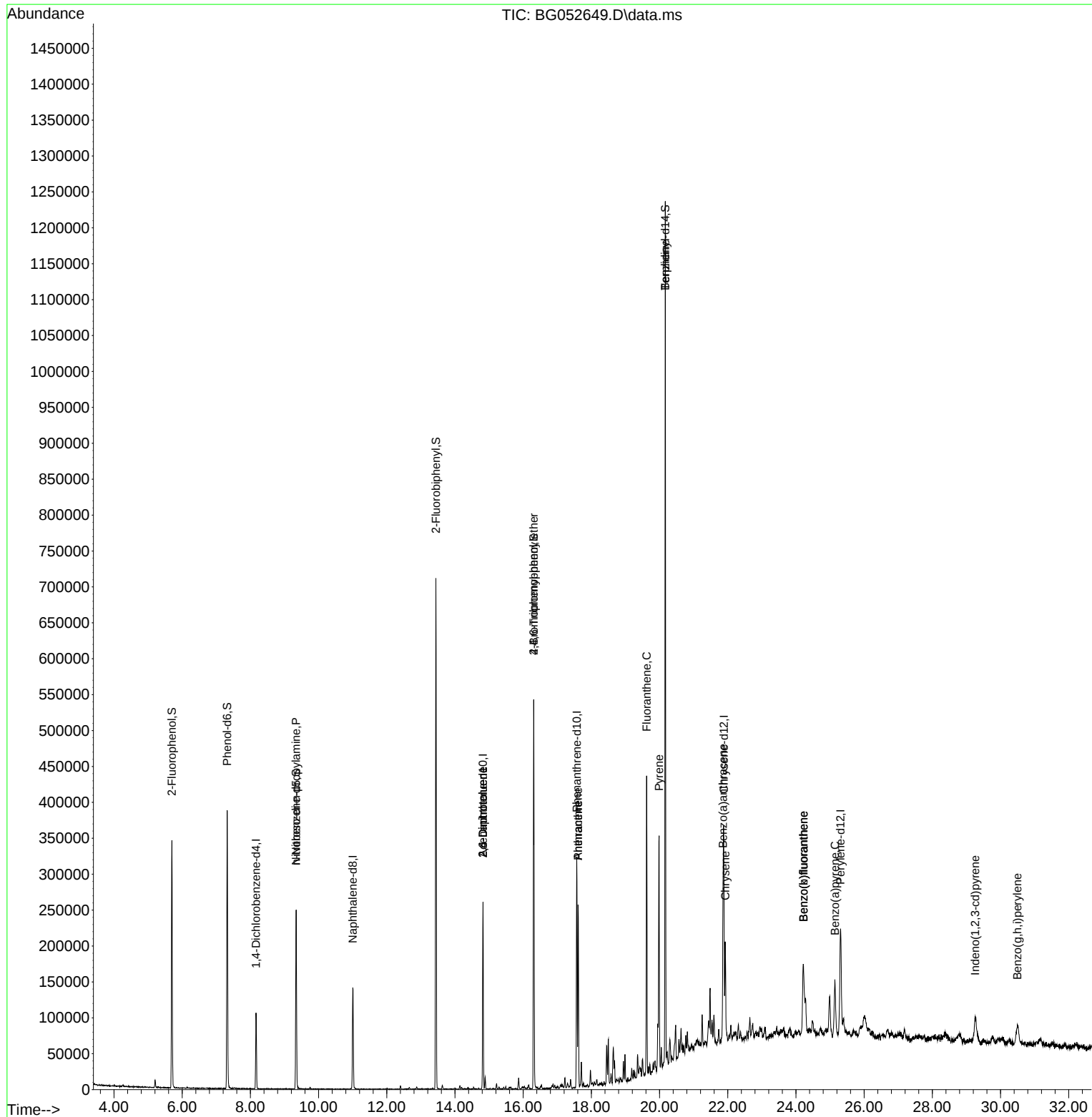
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.166	152	32096	20.000	ng	-0.01
21) Naphthalene-d8	11.003	136	129046	20.000	ng	0.00
39) Acenaphthene-d10	14.821	164	91403	20.000	ng	0.00
64) Phenanthrene-d10	17.571	188	205982	20.000	ng	0.00
76) Chrysene-d12	21.883	240	167141	20.000	ng	0.00
86) Perylene-d12	25.307	264	173449	20.000	ng	# 0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.699	112	157491	84.768	ng	0.00
7) Phenol-d6	7.320	99	236372	87.905	ng	0.00
23) Nitrobenzene-d5	9.341	82	159891	56.168	ng	0.00
42) 2,4,6-Tribromophenol	16.308	330	115630	89.198	ng	-0.01
45) 2-Fluorobiphenyl	13.441	172	389872	57.573	ng	0.00
79) Terphenyl-d14	20.167	244	589652	62.427	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	9.341	70	21172	11.635	ng	# 74
51) 2,6-Dinitrotoluene	14.821	165	13179	8.685	ng	# 26
57) 2,4-Dinitrotoluene	14.821	165	13179	6.171	ng	# 25
67) 4-Bromophenyl-phenylether	16.308	248	7196	2.822	ng	# 1
71) Phenanthrene	17.612	178	163251	15.106	ng	97
72) Anthracene	17.612	178	163251	15.430	ng	99
75) Fluoranthene	19.621	202	258774	19.177	ng	100
77) Benzidine	20.167	184	8092	2.334	ng	# 94
78) Pyrene	19.985	202	219084	19.610	ng	98
81) Benzo(a)anthracene	21.859	228	108774	9.713	ng	99
83) Chrysene	21.930	228	106547	10.176	ng	98
87) Indeno(1,2,3-cd)pyrene	29.255	276	63174	5.082	ng	# 97
88) Benzo(b)fluoranthene	24.221	252	136333	12.731	ng	97
89) Benzo(k)fluoranthene	24.221	252	136333	12.659	ng	97
90) Benzo(a)pyrene	25.143	252	90448	9.982	ng	96
92) Benzo(g,h,i)perylene	30.494	276	60154	5.975	ng	# 88

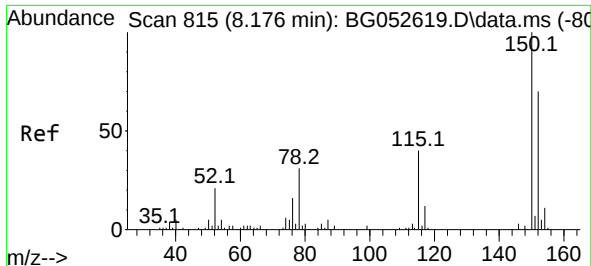
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG031122\
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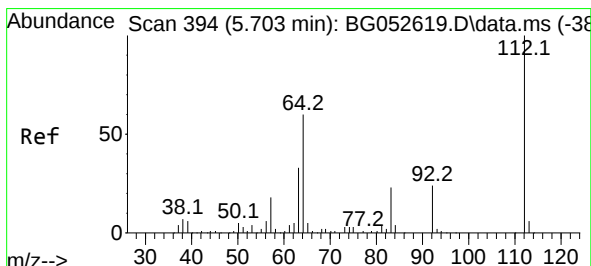
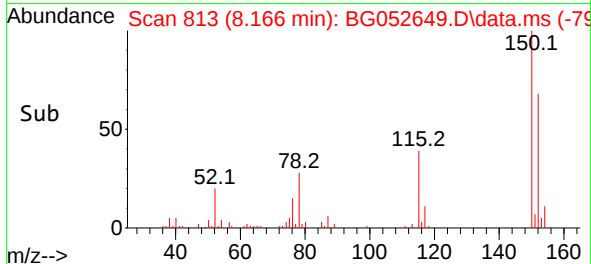
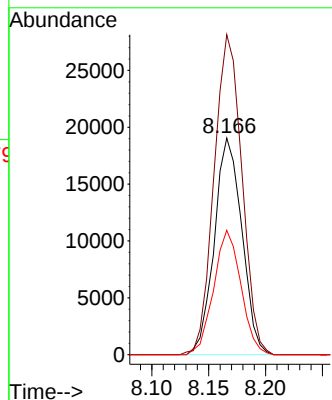
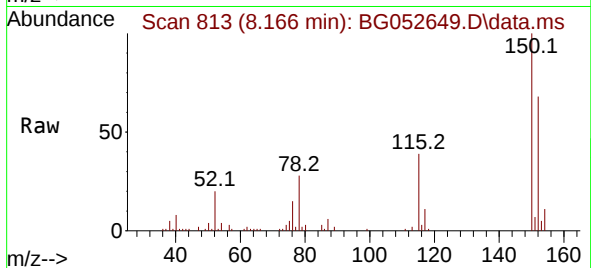




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.166 min Scan# 815
Delta R.T. -0.010 min
Lab File: BG052649.D
Acq: 11 Mar 2022 16:19

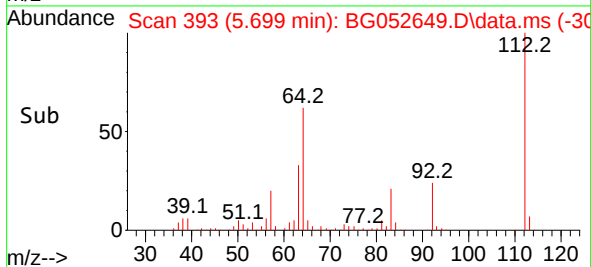
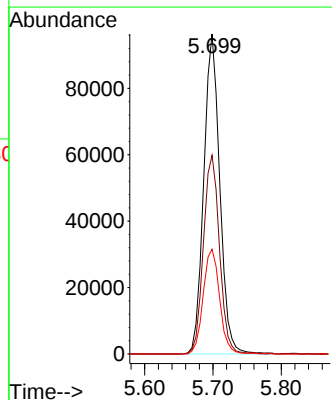
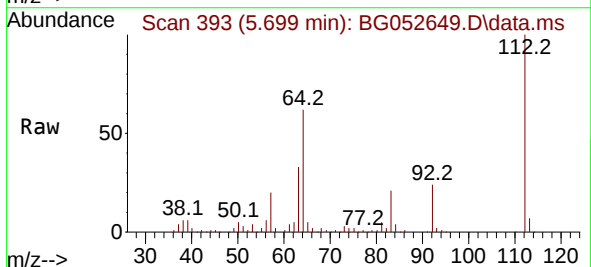
Instrument :
BNA_G
ClientSampleId :
MB-B1-030922-0-2

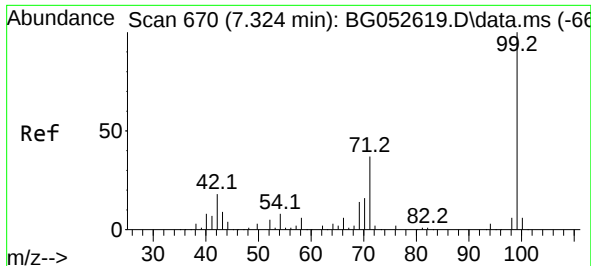
Tgt Ion:152 Resp: 32096
Ion Ratio Lower Upper
152 100
150 147.8 114.6 172.0
115 57.4 45.9 68.9



#5
2-Fluorophenol
Concen: 84.768 ng
RT: 5.699 min Scan# 393
Delta R.T. -0.004 min
Lab File: BG052649.D
Acq: 11 Mar 2022 16:19

Tgt Ion:112 Resp: 157491
Ion Ratio Lower Upper
112 100
64 62.1 48.0 72.0
63 32.7 26.5 39.7

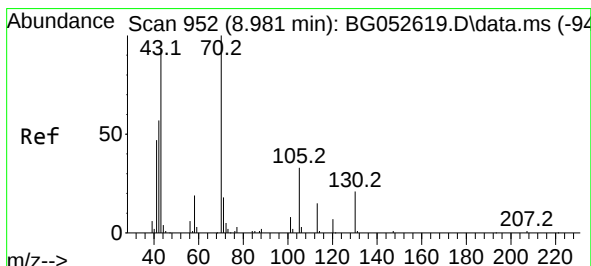
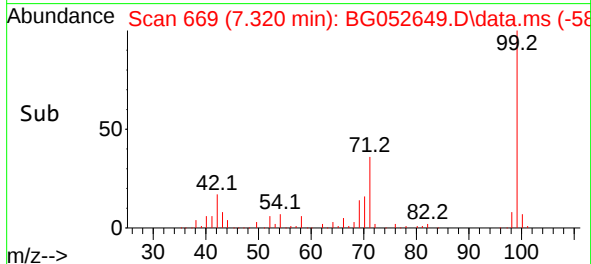
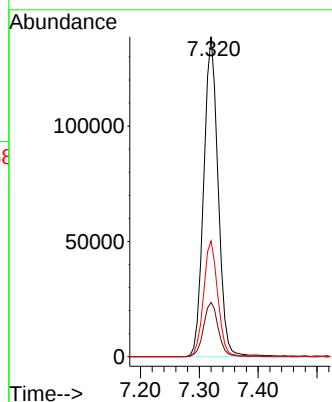
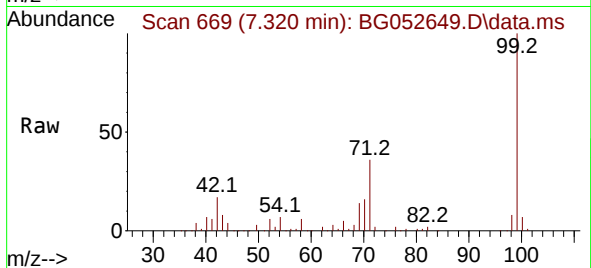




#7
Phenol-d6
Concen: 87.905 ng
RT: 7.320 min Scan# 60
Delta R.T. -0.004 min
Lab File: BG052649.D
Acq: 11 Mar 2022 16:19

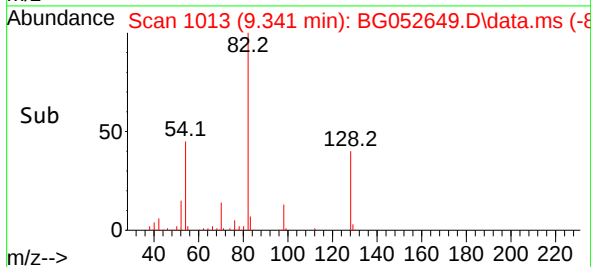
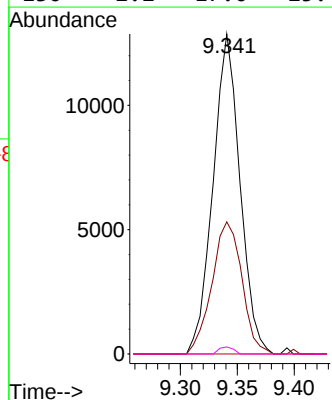
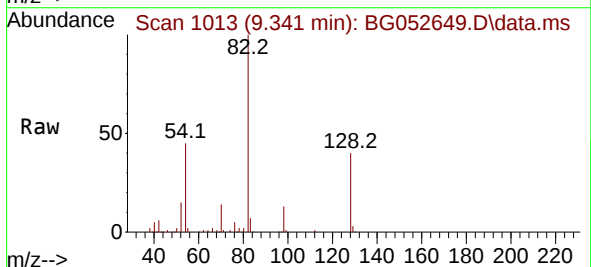
Instrument :
BNA_G
ClientSampleId :
MB-B1-030922-0-2

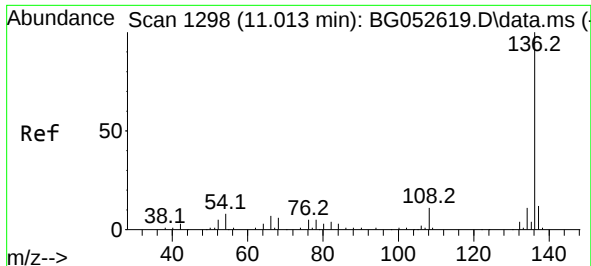
Tgt Ion: 99 Resp: 236372
Ion Ratio Lower Upper
99 100
42 16.9 14.7 22.1
71 36.1 29.2 43.8



#19
n-Nitroso-di-n-propylamine
Concen: 11.635 ng
RT: 9.341 min Scan# 1013
Delta R.T. 0.360 min
Lab File: BG052649.D
Acq: 11 Mar 2022 16:19

Tgt Ion: 70 Resp: 21172
Ion Ratio Lower Upper
70 100
42 41.3 46.0 69.0#
101 0.0 6.2 9.4#
130 2.2 17.0 25.4#

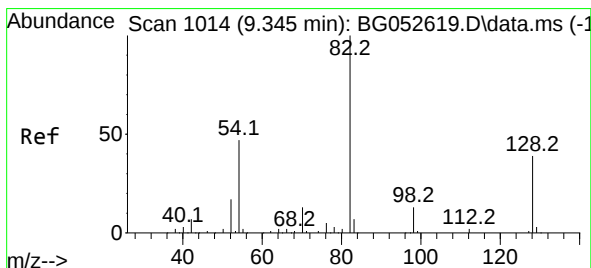
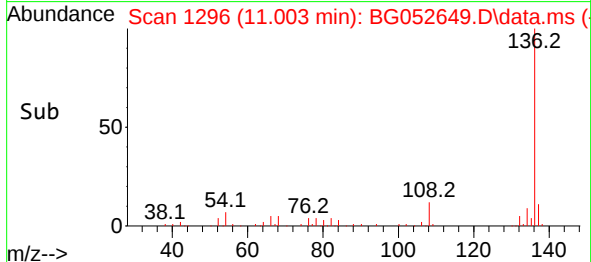
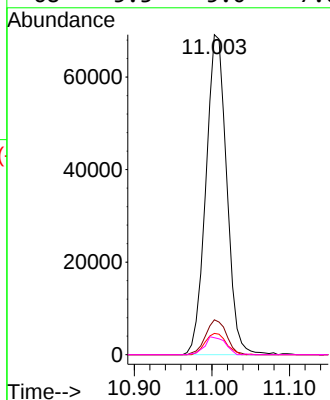
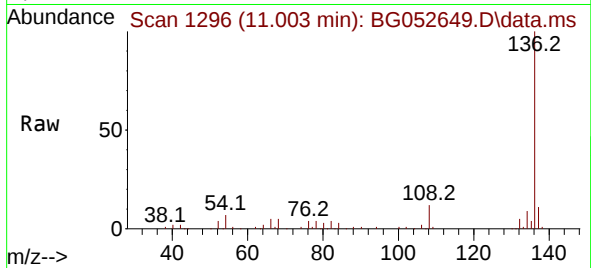




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.003 min Scan# 11
Delta R.T. -0.010 min
Lab File: BG052649.D
Acq: 11 Mar 2022 16:19

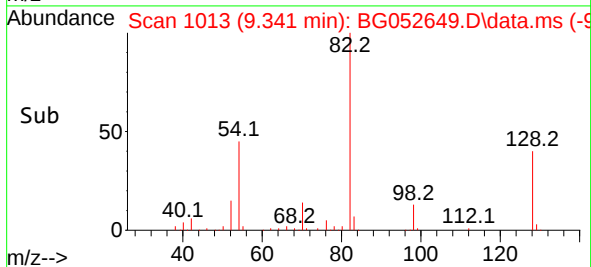
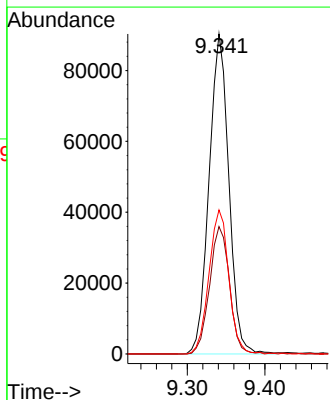
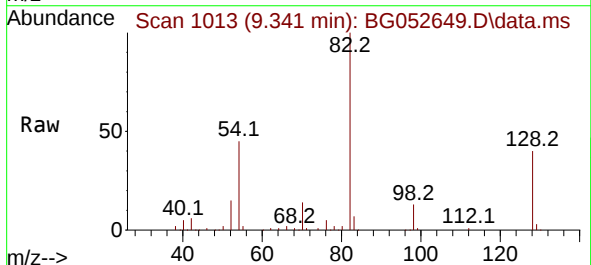
Instrument :
BNA_G
ClientSampleId :
MB-B1-030922-0-2

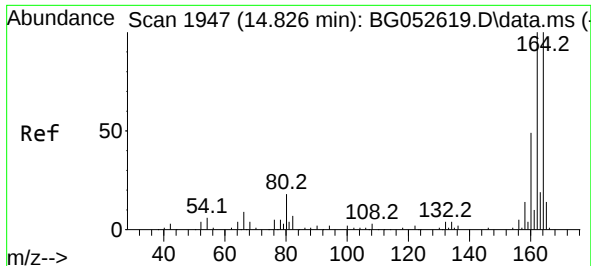
Tgt Ion:	136	Resp:	129046
Ion Ratio	Lower	Upper	
136	100		
137	10.9	9.4	14.2
54	6.7	6.4	9.6
68	5.3	5.0	7.6



#23
Nitrobenzene-d5
Concen: 56.168 ng
RT: 9.341 min Scan# 1013
Delta R.T. -0.004 min
Lab File: BG052649.D
Acq: 11 Mar 2022 16:19

Tgt Ion:	82	Resp:	159891
Ion Ratio	Lower	Upper	
82	100		
128	39.8	31.3	46.9
54	45.0	37.8	56.8

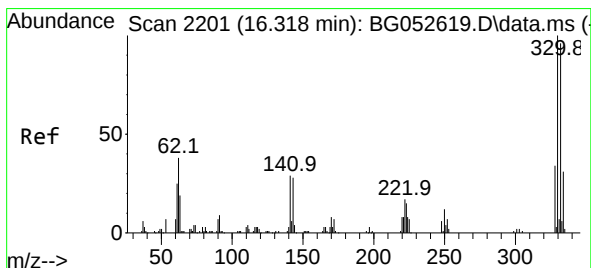
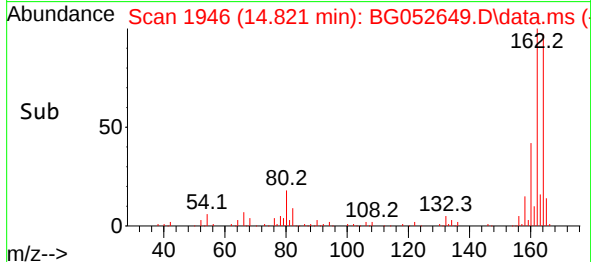
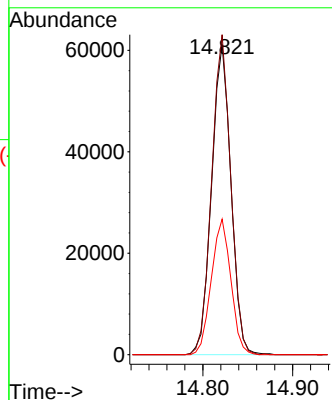
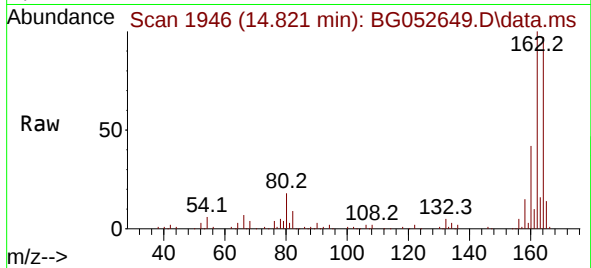




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.821 min Scan# 1947
Delta R.T. -0.004 min
Lab File: BG052649.D
Acq: 11 Mar 2022 16:19

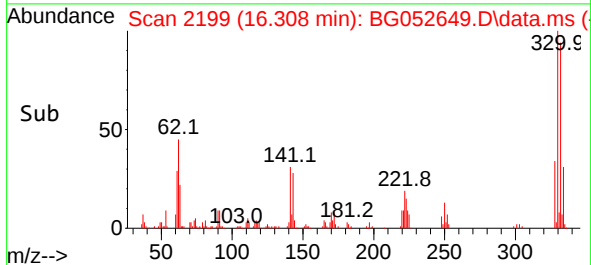
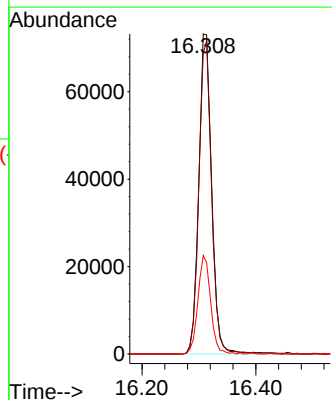
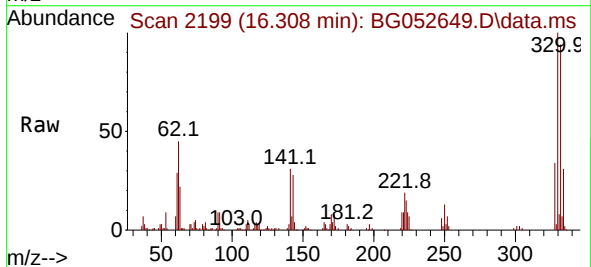
Instrument :
BNA_G
ClientSampleId :
MB-B1-030922-0-2

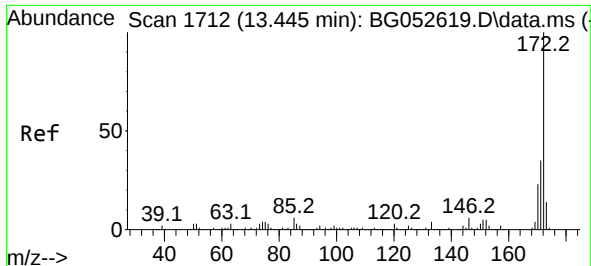
Tgt Ion:164 Resp: 91403
Ion Ratio Lower Upper
164 100
162 103.2 80.0 120.0
160 43.7 38.8 58.2



#42
2,4,6-Tribromophenol
Concen: 89.198 ng
RT: 16.308 min Scan# 2199
Delta R.T. -0.010 min
Lab File: BG052649.D
Acq: 11 Mar 2022 16:19

Tgt Ion:330 Resp: 115630
Ion Ratio Lower Upper
330 100
332 96.5 75.8 113.6
141 30.4 24.6 36.8

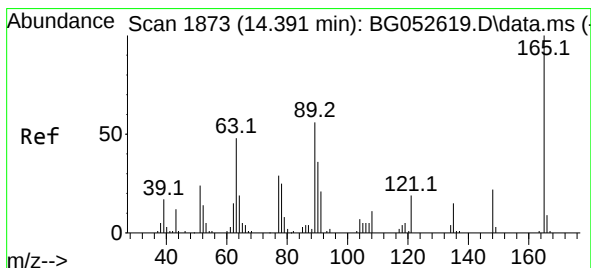
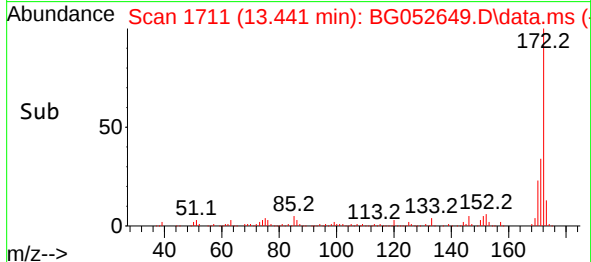
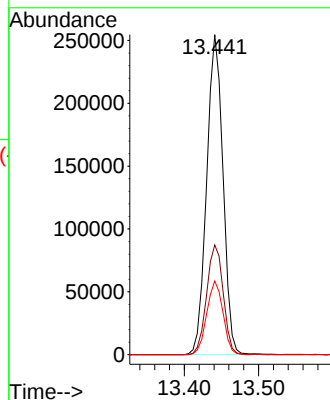
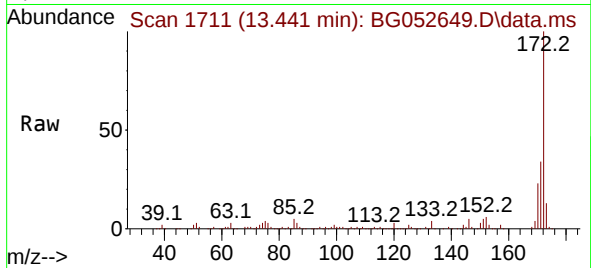




#45
2-Fluorobiphenyl
Concen: 57.573 ng
RT: 13.441 min Scan# 11
Delta R.T. -0.004 min
Lab File: BG052649.D
Acq: 11 Mar 2022 16:19

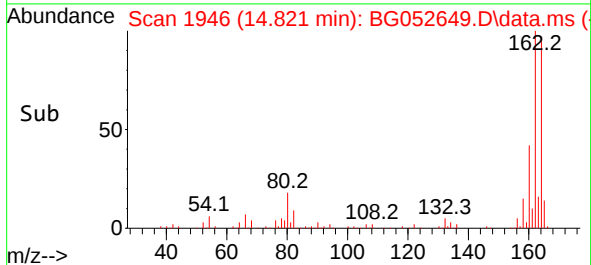
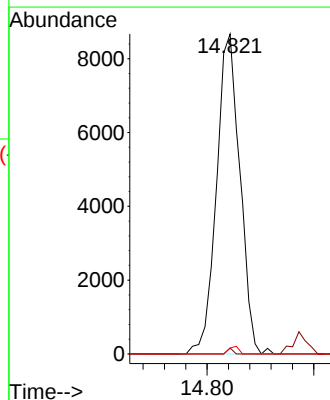
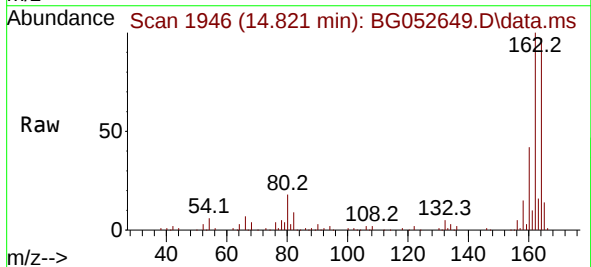
Instrument :
BNA_G
ClientSampleId :
MB-B1-030922-0-2

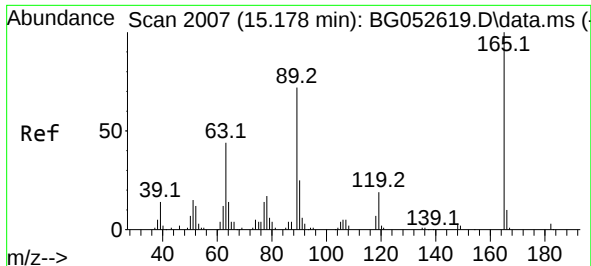
Tgt Ion:172 Resp: 389872
Ion Ratio Lower Upper
172 100
171 34.3 28.3 42.5
170 23.0 18.0 27.0



#51
2,6-Dinitrotoluene
Concen: 8.685 ng
RT: 14.821 min Scan# 1946
Delta R.T. 0.430 min
Lab File: BG052649.D
Acq: 11 Mar 2022 16:19

Tgt Ion:165 Resp: 13179
Ion Ratio Lower Upper
165 100
63 1.8 43.7 65.5#
89 1.9 45.0 67.4#





#57

2,4-Dinitrotoluene

Concen: 6.171 ng

RT: 14.821 min Scan# 1946

Delta R.T. -0.357 min

Lab File: BG052649.D

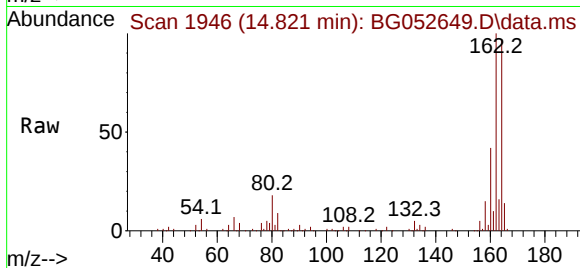
Acq: 11 Mar 2022 16:19

Instrument :

BNA_G

ClientSampleId :

MB-B1-030922-0-2



Tgt Ion:165 Resp: 13179

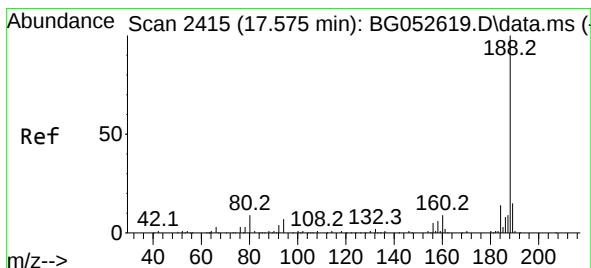
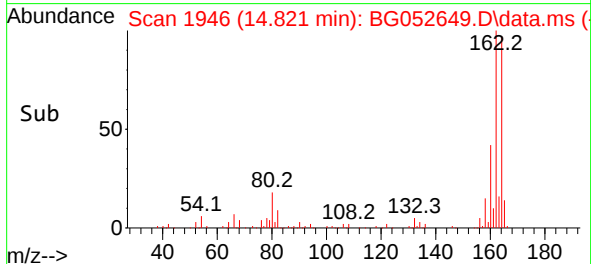
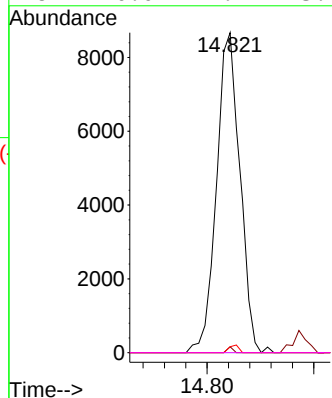
Ion Ratio Lower Upper

165 100

63 1.8 34.8 52.2#

89 1.9 57.4 86.0#

182 0.0 2.1 3.1#



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.571 min Scan# 2414

Delta R.T. -0.004 min

Lab File: BG052649.D

Acq: 11 Mar 2022 16:19

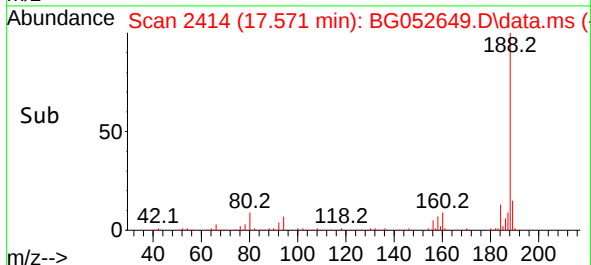
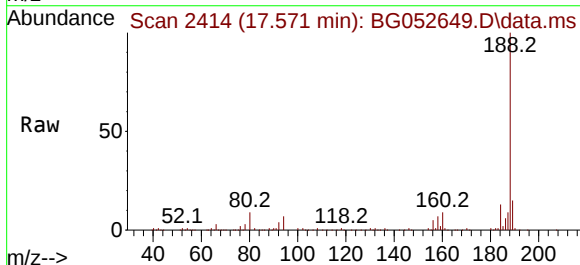
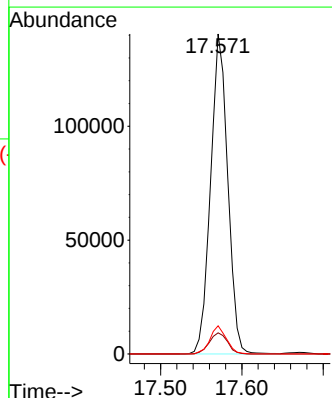
Tgt Ion:188 Resp: 205982

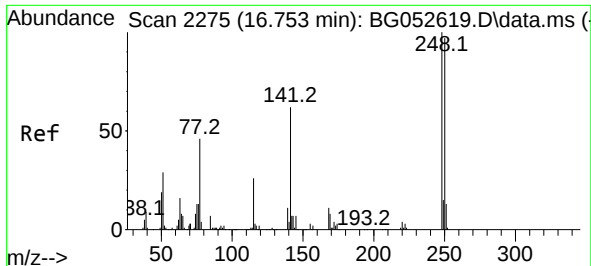
Ion Ratio Lower Upper

188 100

94 6.6 5.7 8.5

80 8.8 7.2 10.8

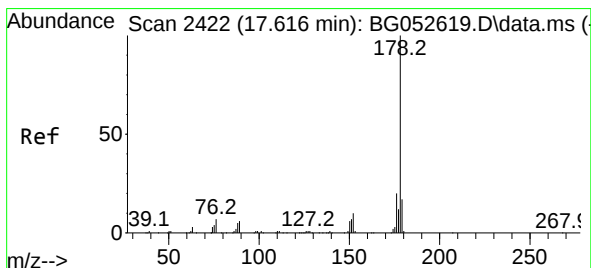
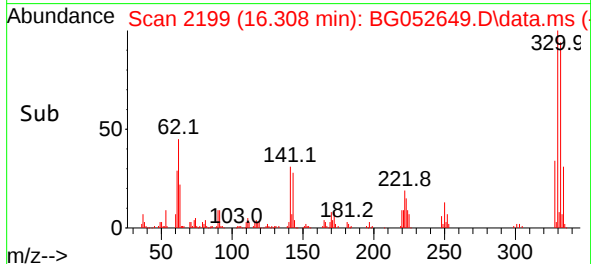
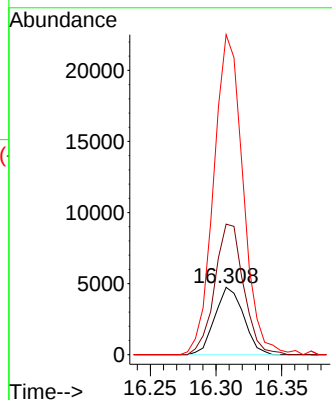
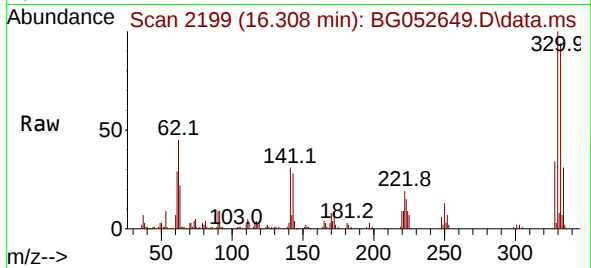




#67
4-Bromophenyl-phenylether
Concen: 2.822 ng
RT: 16.308 min Scan# 2199
Delta R.T. -0.445 min
Lab File: BG052649.D
Acq: 11 Mar 2022 16:19

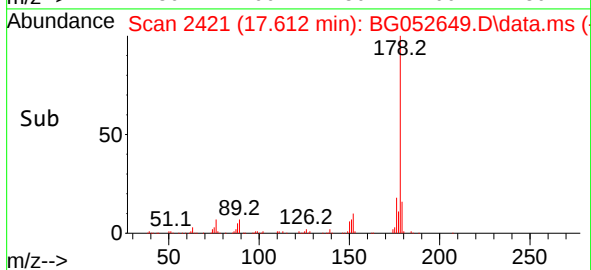
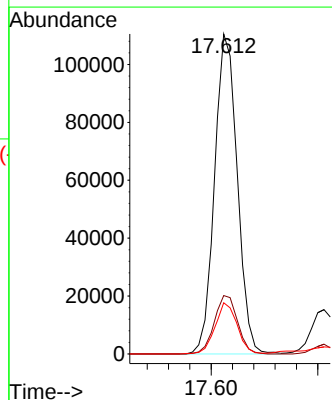
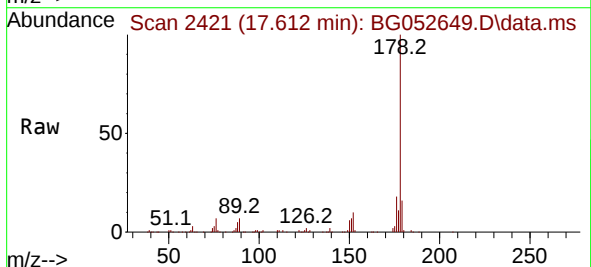
Instrument :
BNA_G
ClientSampleId :
MB-B1-030922-0-2

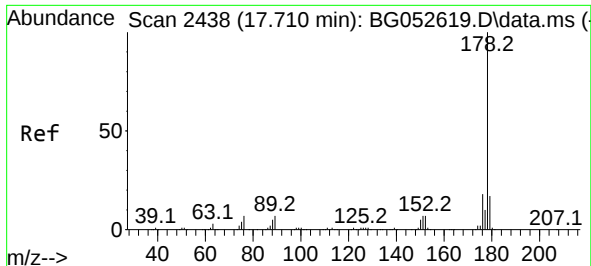
Tgt Ion:248 Resp: 7196
Ion Ratio Lower Upper
248 100
250 193.8 77.9 116.9#
141 475.1 49.2 73.8#



#71
Phenanthrene
Concen: 15.106 ng
RT: 17.612 min Scan# 2421
Delta R.T. -0.004 min
Lab File: BG052649.D
Acq: 11 Mar 2022 16:19

Tgt Ion:178 Resp: 163251
Ion Ratio Lower Upper
178 100
176 18.3 15.9 23.9
179 16.0 13.4 20.2

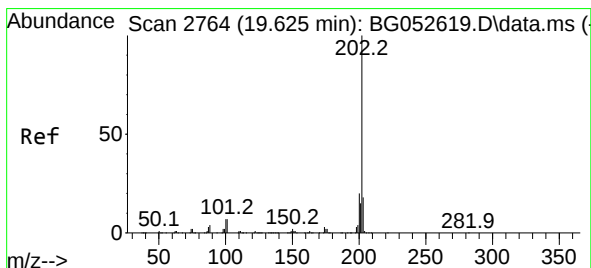
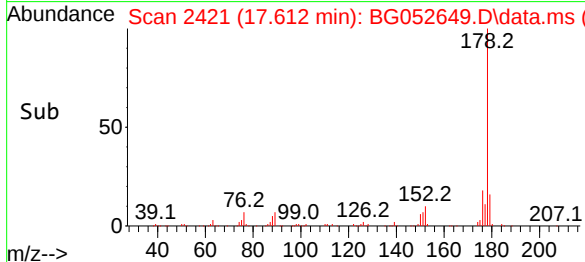
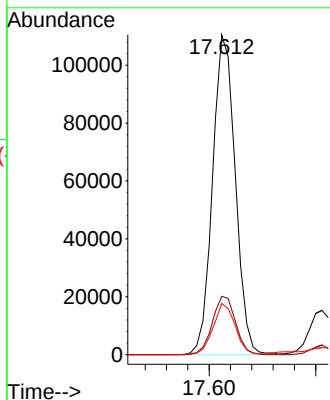
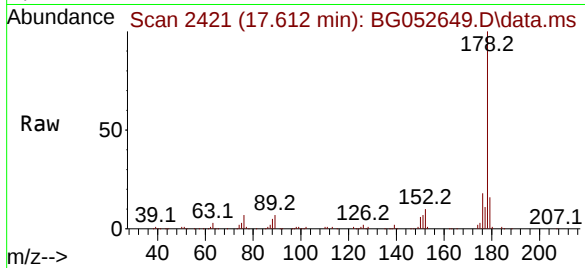




#72
 Anthracene
 Concen: 15.430 ng
 RT: 17.612 min Scan# 2438
 Delta R.T. -0.098 min
 Lab File: BG052649.D
 Acq: 11 Mar 2022 16:19

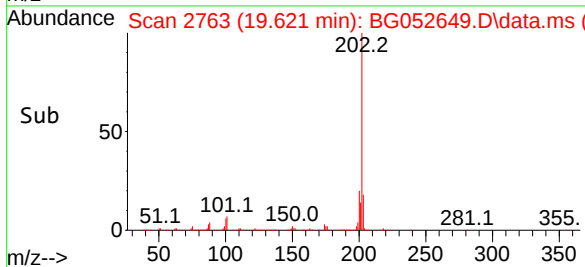
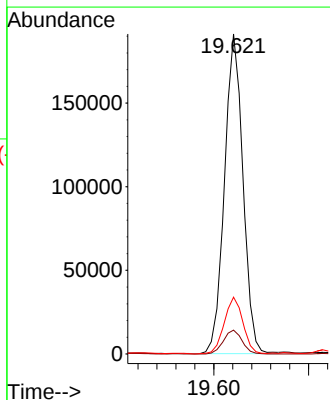
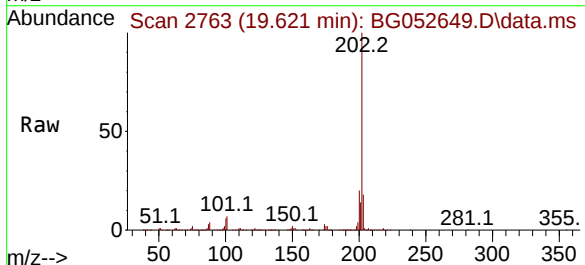
Instrument :
 BNA_G
 ClientSampleId :
 MB-B1-030922-0-2

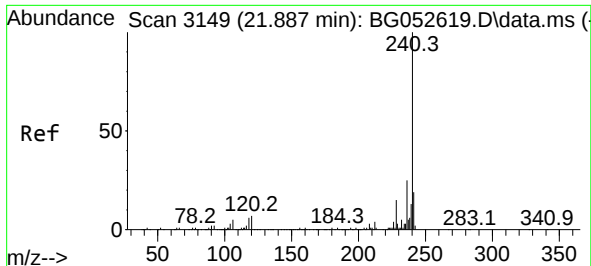
Tgt Ion:178 Resp: 163251
 Ion Ratio Lower Upper
 178 100
 176 18.3 14.7 22.1
 179 16.0 13.2 19.8



#75
 Fluoranthene
 Concen: 19.177 ng
 RT: 19.621 min Scan# 2763
 Delta R.T. -0.004 min
 Lab File: BG052649.D
 Acq: 11 Mar 2022 16:19

Tgt Ion:202 Resp: 258774
 Ion Ratio Lower Upper
 202 100
 101 7.5 0.0 27.3
 203 17.8 0.0 37.7

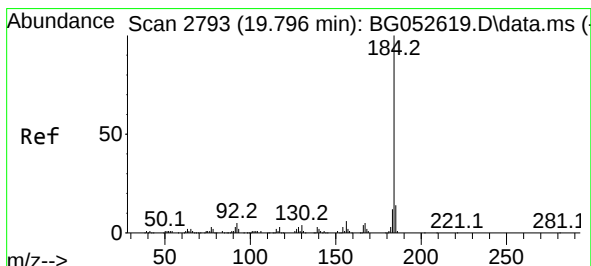
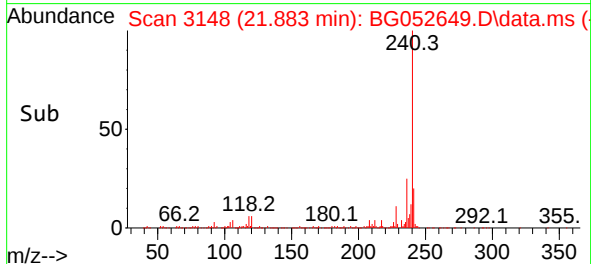
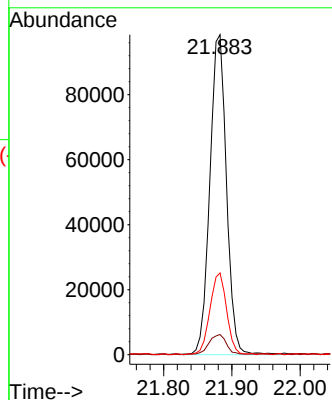
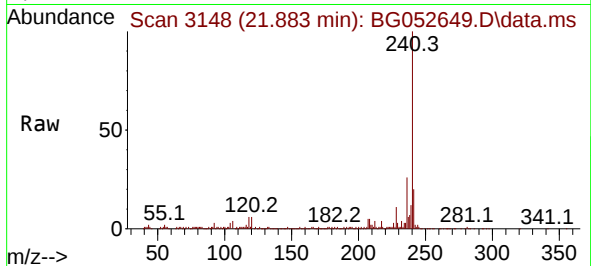




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.883 min Scan# 31
Delta R.T. -0.004 min
Lab File: BG052649.D
Acq: 11 Mar 2022 16:19

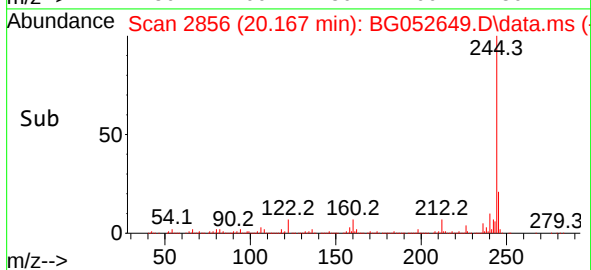
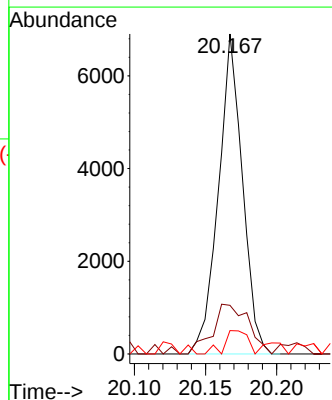
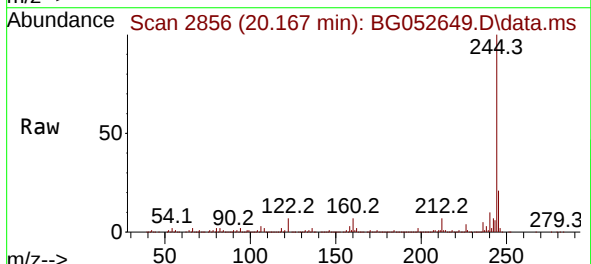
Instrument :
BNA_G
ClientSampleId :
MB-B1-030922-0-2

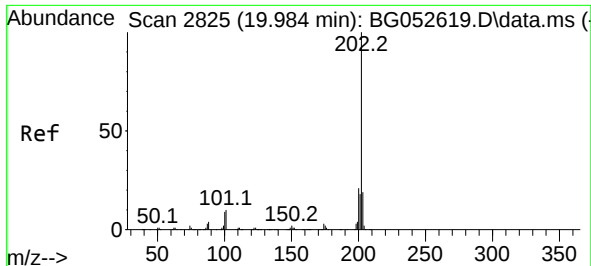
Tgt Ion:240 Resp: 167141
Ion Ratio Lower Upper
240 100
120 6.3 5.4 8.0
236 25.5 19.8 29.6



#77
Benzidine
Concen: 2.334 ng
RT: 20.167 min Scan# 2856
Delta R.T. 0.372 min
Lab File: BG052649.D
Acq: 11 Mar 2022 16:19

Tgt Ion:184 Resp: 8092
Ion Ratio Lower Upper
184 100
185 15.2 11.5 17.3
183 7.3 9.4 14.2#

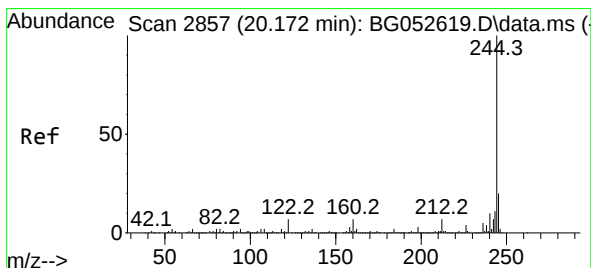
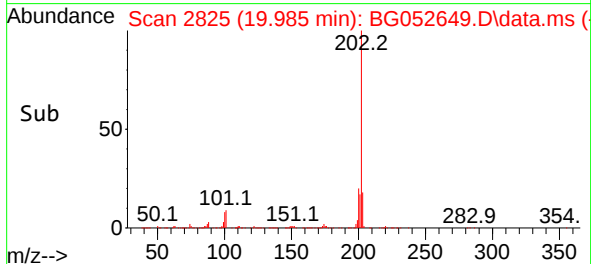
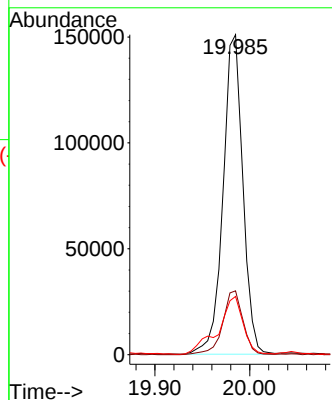
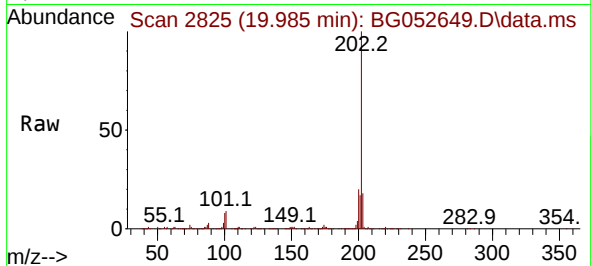




#78
 Pyrene
 Concen: 19.610 ng
 RT: 19.985 min Scan# 21
 Delta R.T. 0.002 min
 Lab File: BG052649.D
 Acq: 11 Mar 2022 16:19

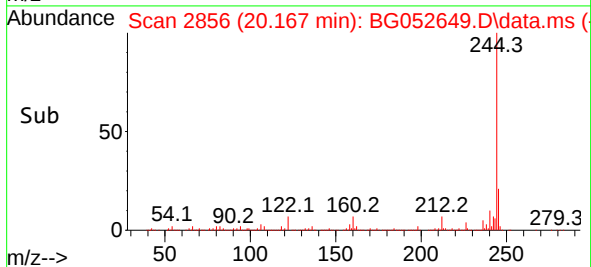
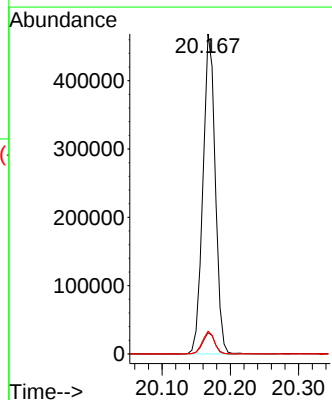
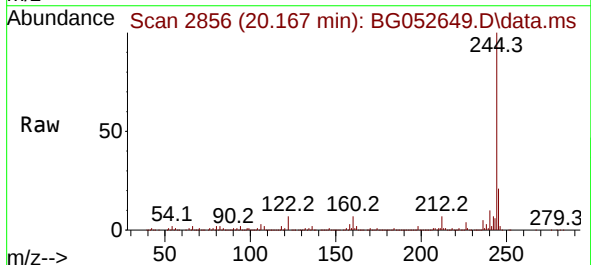
Instrument :
 BNA_G
 ClientSampleId :
 MB-B1-030922-0-2

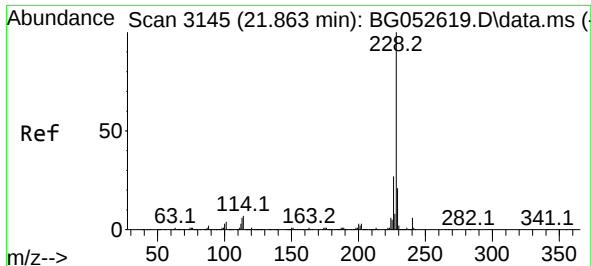
Tgt Ion:	202	Resp:	219084
Ion	Ratio	Lower	Upper
202	100		
200	20.0	17.0	25.6
203	18.2	15.0	22.6



#79
 Terphenyl-d14
 Concen: 62.427 ng
 RT: 20.167 min Scan# 2856
 Delta R.T. -0.004 min
 Lab File: BG052649.D
 Acq: 11 Mar 2022 16:19

Tgt Ion:	244	Resp:	589652
Ion	Ratio	Lower	Upper
244	100		
212	6.7	5.4	8.2
122	7.1	5.8	8.6

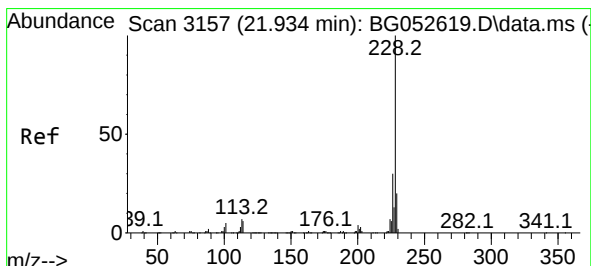
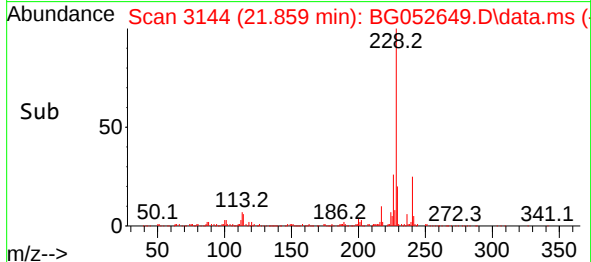
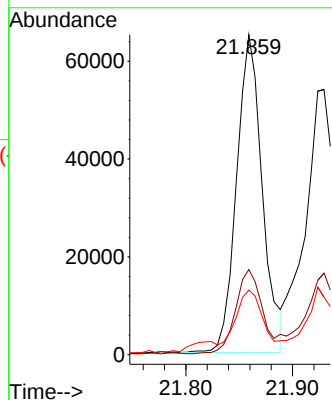
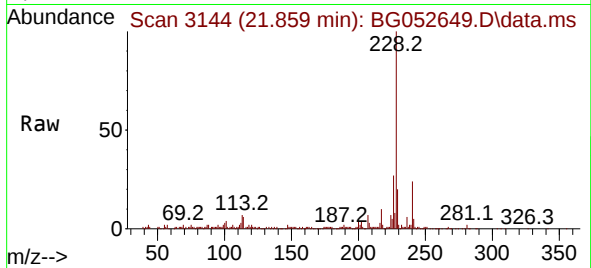




#81
Benzo(a)anthracene
Concen: 9.713 ng
RT: 21.859 min Scan# 3144
Delta R.T. -0.004 min
Lab File: BG052649.D
Acq: 11 Mar 2022 16:19

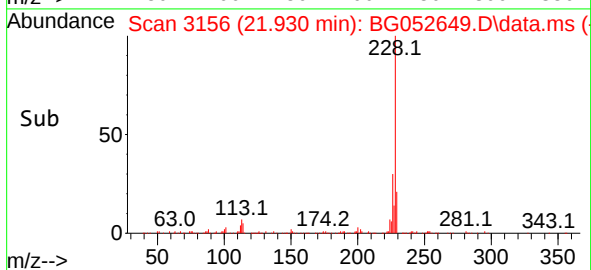
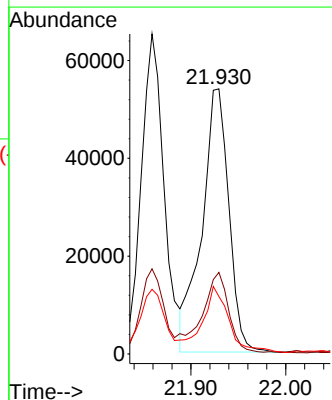
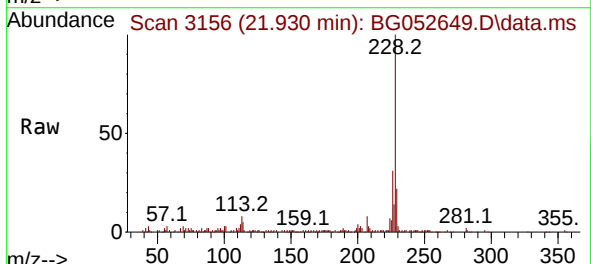
Instrument :
BNA_G
ClientSampleId :
MB-B1-030922-0-2

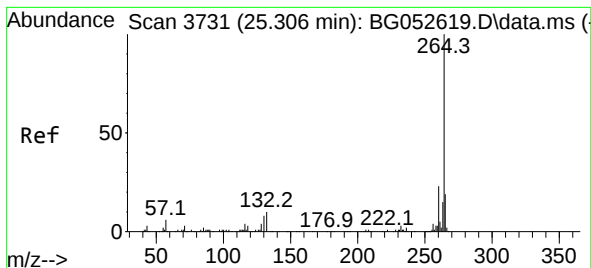
Tgt Ion:228 Resp: 108774
Ion Ratio Lower Upper
228 100
226 26.6 21.4 32.0
229 20.2 16.7 25.1



#83
Chrysene
Concen: 10.176 ng
RT: 21.930 min Scan# 3156
Delta R.T. -0.004 min
Lab File: BG052649.D
Acq: 11 Mar 2022 16:19

Tgt Ion:228 Resp: 106547
Ion Ratio Lower Upper
228 100
226 30.8 24.2 36.4
229 21.6 16.3 24.5





#86

Perylene-d12

Concen: 20.000 ng

RT: 25.307 min Scan# 31

Delta R.T. 0.001 min

Lab File: BG052649.D

Acq: 11 Mar 2022 16:19

Instrument :

BNA_G

ClientSampleId :

MB-B1-030922-0-2

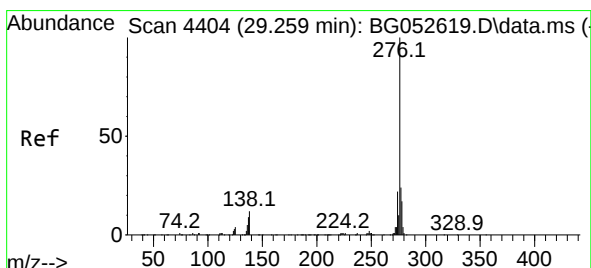
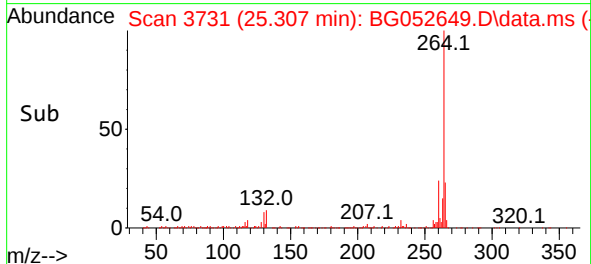
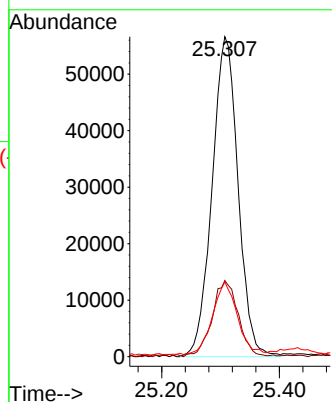
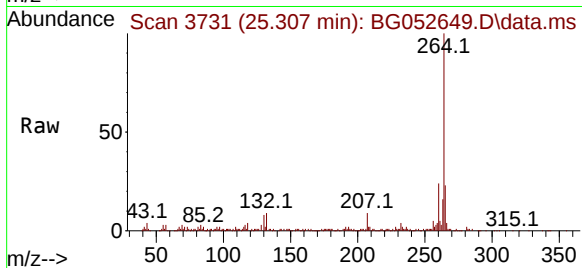
Tgt Ion:264 Resp: 173449

Ion Ratio Lower Upper

264 100

260 23.8 18.2 27.2

265 23.3 15.1 22.7#



#87

Indeno(1,2,3-cd)pyrene

Concen: 5.082 ng

RT: 29.255 min Scan# 4403

Delta R.T. -0.004 min

Lab File: BG052649.D

Acq: 11 Mar 2022 16:19

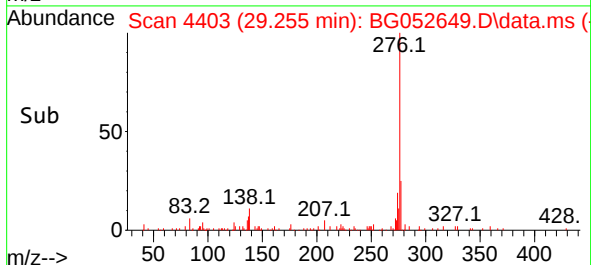
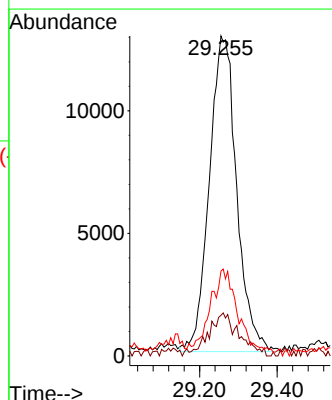
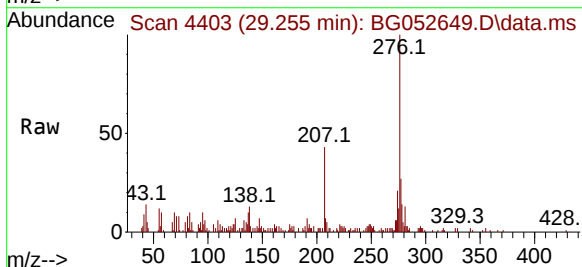
Tgt Ion:276 Resp: 63174

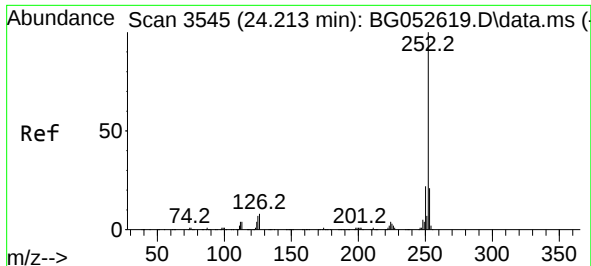
Ion Ratio Lower Upper

276 100

138 8.6 8.7 13.1#

277 26.0 20.2 30.4

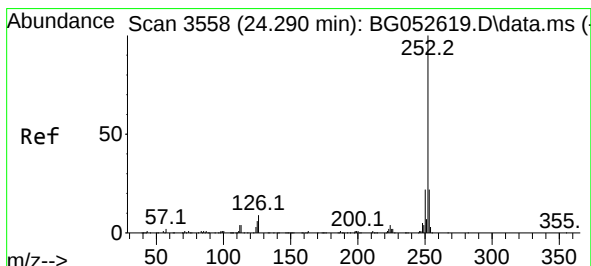
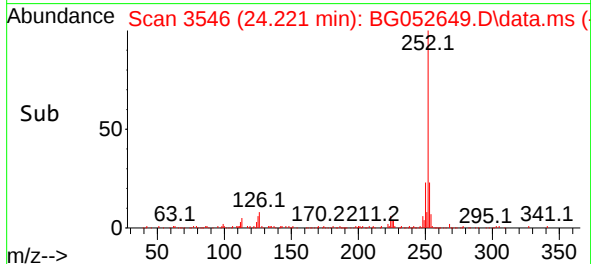
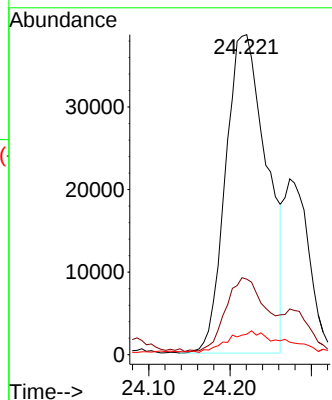
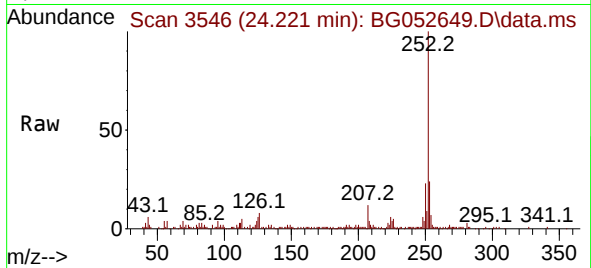




#88
Benzo(b)fluoranthene
Concen: 12.731 ng
RT: 24.221 min Scan# 3546
Delta R.T. 0.007 min
Lab File: BG052649.D
Acq: 11 Mar 2022 16:19

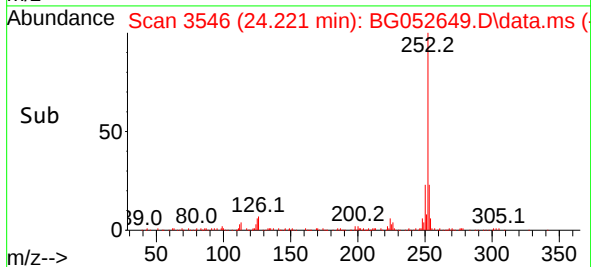
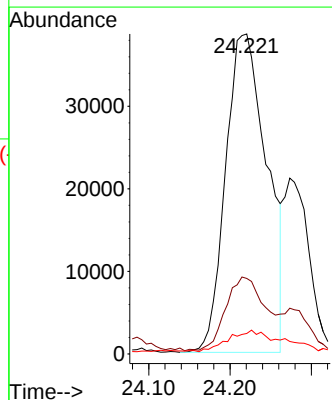
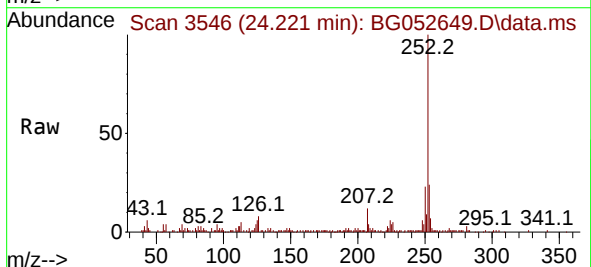
Instrument :
BNA_G
ClientSampleId :
MB-B1-030922-0-2

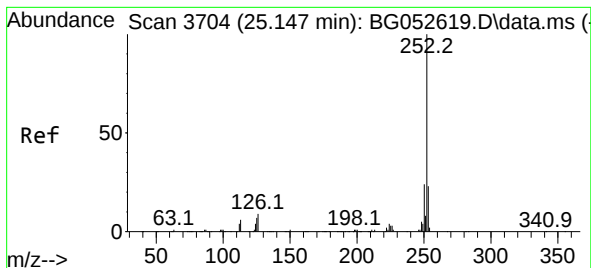
Tgt Ion:252 Resp: 136333
Ion Ratio Lower Upper
252 100
253 23.6 17.2 25.8
125 6.4 5.2 7.8



#89
Benzo(k)fluoranthene
Concen: 12.659 ng
RT: 24.221 min Scan# 3546
Delta R.T. -0.069 min
Lab File: BG052649.D
Acq: 11 Mar 2022 16:19

Tgt Ion:252 Resp: 136333
Ion Ratio Lower Upper
252 100
253 23.6 17.4 26.0
125 6.4 5.0 7.4





#90

Benzo(a)pyrene

Concen: 9.982 ng

RT: 25.143 min Scan# 31

Delta R.T. -0.004 min

Lab File: BG052649.D

Acq: 11 Mar 2022 16:19

Instrument :

BNA_G

ClientSampleId :

MB-B1-030922-0-2

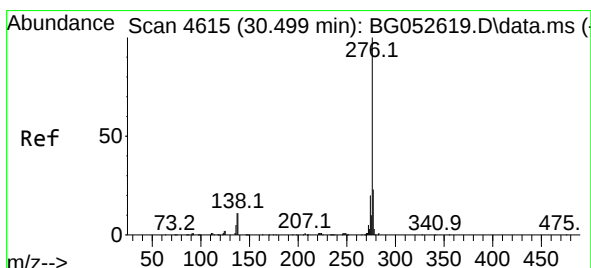
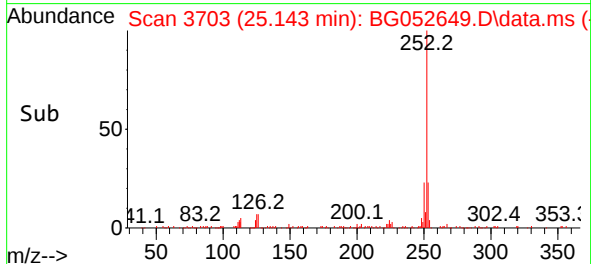
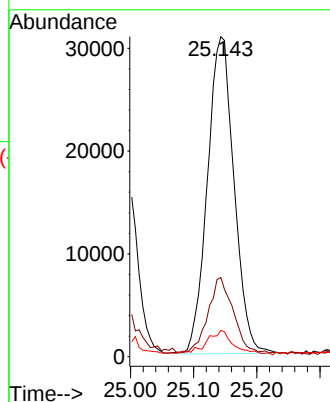
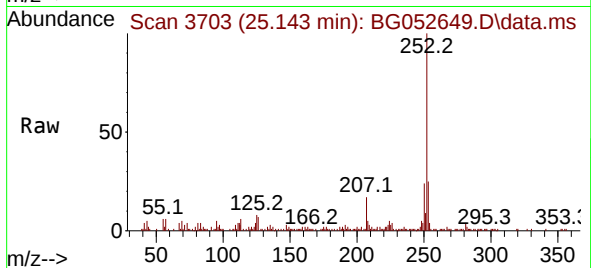
Tgt Ion:252 Resp: 90448

Ion Ratio Lower Upper

252 100

253 24.8 18.4 27.6

125 8.2 5.6 8.4



#92

Benzo(g,h,i)perylene

Concen: 5.975 ng

RT: 30.494 min Scan# 4614

Delta R.T. -0.004 min

Lab File: BG052649.D

Acq: 11 Mar 2022 16:19

Tgt Ion:276 Resp: 60154

Ion Ratio Lower Upper

276 100

277 29.0 18.2 27.2#

138 15.2 9.1 13.7#

