

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG062922\
 Data File : BG054161.D
 Acq On : 30 Jun 2022 1:32
 Operator : CG/JU
 Sample : N3488-09
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SB-12-3-5-20220623

Quant Time: Jun 30 05:34:24 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG061322.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jun 27 00:27:54 2022
 Response via : Initial Calibration

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

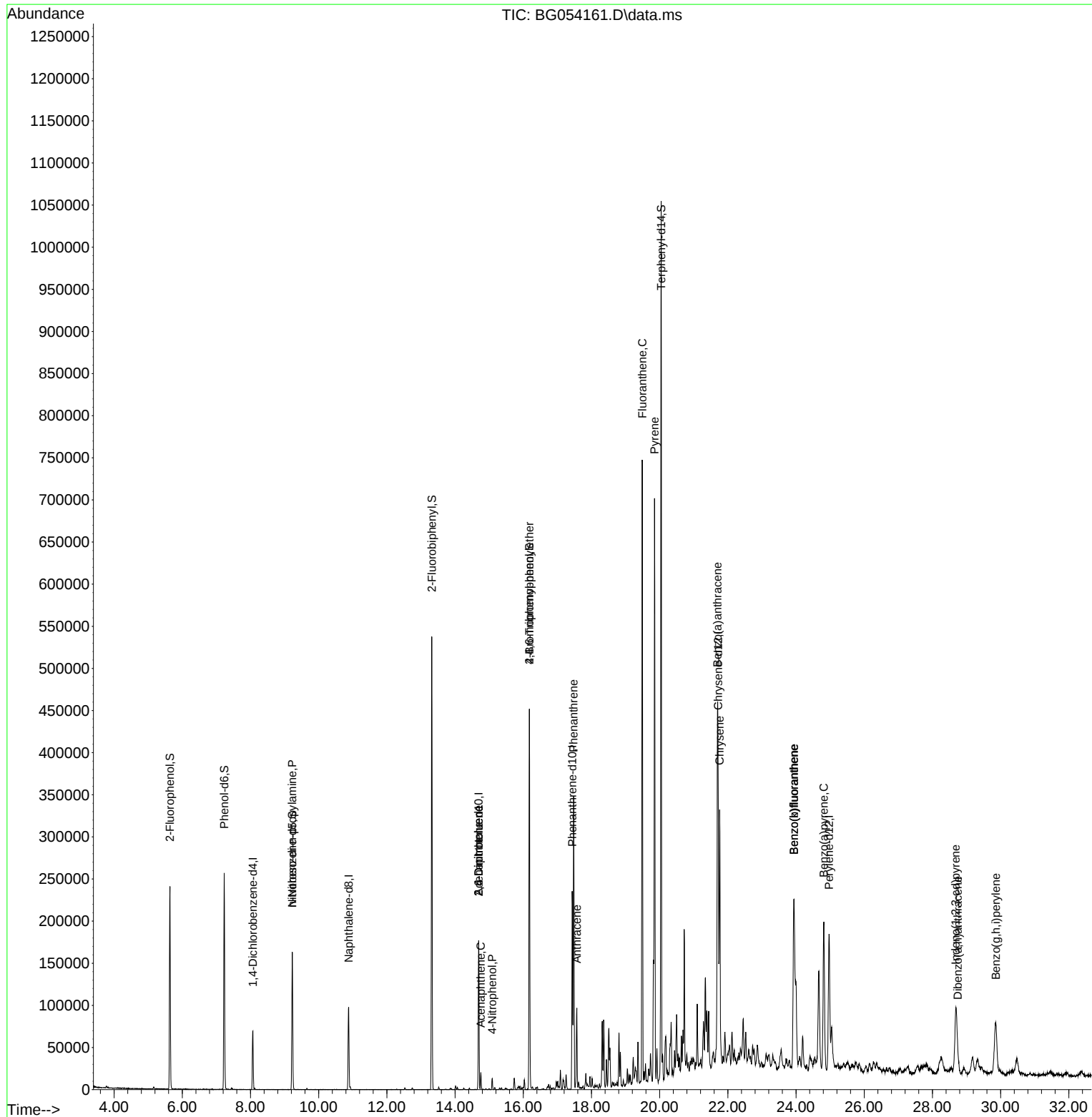
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.071	152	22951	20.000	ng	0.00
21) Naphthalene-d8	10.879	136	91444	20.000	ng	0.00
39) Acenaphthene-d10	14.692	164	70175	20.000	ng	0.00
64) Phenanthrene-d10	17.436	188	168720	20.000	ng	# 0.00
76) Chrysene-d12	21.713	240	178213	20.000	ng	0.00
86) Perylene-d12	24.968	264	188573	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.638	112	113642	94.668	ng	0.00
7) Phenol-d6	7.230	99	155692	95.607	ng	0.00
23) Nitrobenzene-d5	9.228	82	104616	64.291	ng	0.00
42) 2,4,6-Tribromophenol	16.179	330	111161	98.592	ng	0.00
45) 2-Fluorobiphenyl	13.317	172	303027	62.792	ng	0.00
79) Terphenyl-d14	20.045	244	579897	65.537	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	9.228	70	14131	12.916	ng	# 80
51) 2,6-Dinitrotoluene	14.692	165	9669	8.954	ng	# 16
52) Acenaphthene	14.757	154	7869	2.007	ng	94
56) 4-Nitrophenol	15.086	139	3439	4.630	ng	# 1
57) 2,4-Dinitrotoluene	14.692	165	9669	6.340	ng	# 21
67) 4-Bromophenyl-phenylether	16.179	248	6733	3.195	ng	# 1
71) Phenanthrene	17.477	178	250025	28.843	ng	99
72) Anthracene	17.571	178	70632	8.344	ng	97
75) Fluoranthene	19.492	202	524331	46.078	ng	96
78) Pyrene	19.851	202	480775	44.667	ng	97
81) Benzo(a)anthracene	21.696	228	257999	22.359	ng	99
83) Chrysene	21.760	228	226922	20.631	ng	96
87) Indeno(1,2,3-cd)pyrene	28.682	276	152556	10.720	ng	# 96
88) Benzo(b)fluoranthene	23.940	252	288384	25.152	ng	100
89) Benzo(k)fluoranthene	23.940	252	288384	25.404	ng	99
90) Benzo(a)pyrene	24.816	252	219705	22.711	ng	99
91) Dibenzo(a,h)anthracene	28.740	278	37175	3.159	ng	96
92) Benzo(g,h,i)perylene	29.863	276	150513	12.961	ng	96

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

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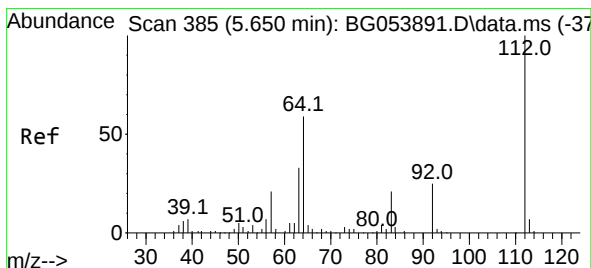
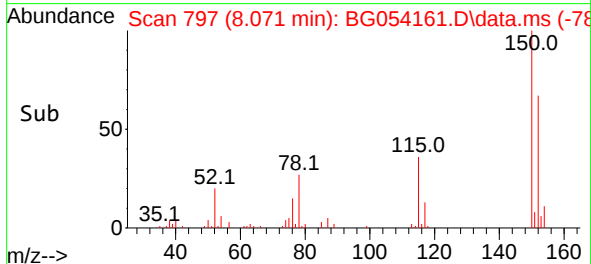
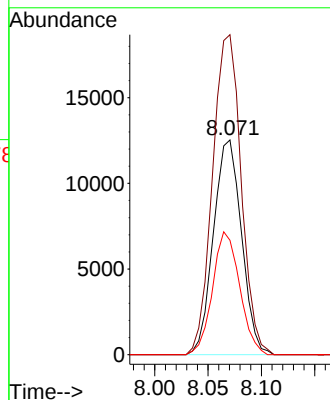
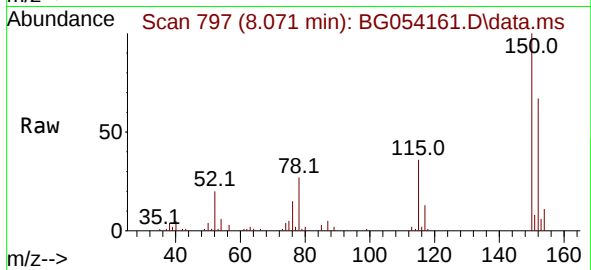




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.071 min Scan# 79
Delta R.T. 0.001 min
Lab File: BG054161.D
Acq: 30 Jun 2022 1:32

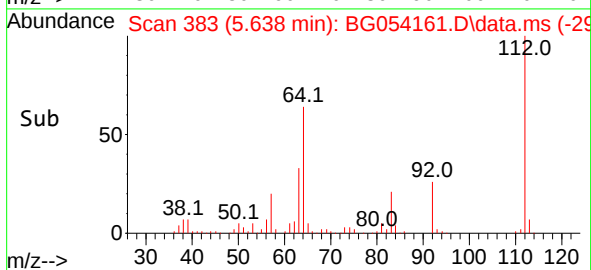
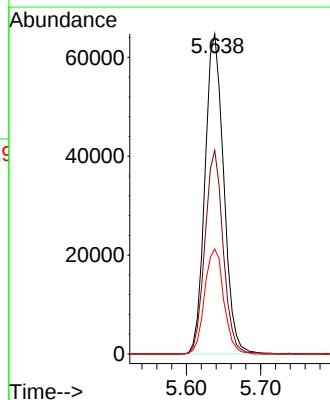
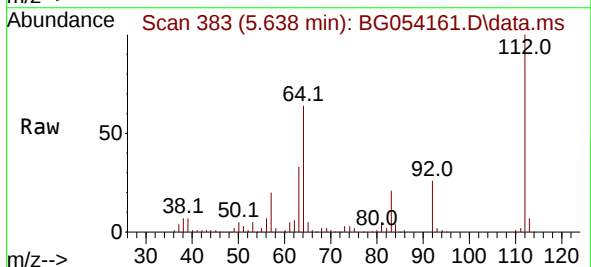
Instrument :
BNA_G
ClientSampleId :
SB-12-3-5-20220623

Tgt Ion:152 Resp: 22951
Ion Ratio Lower Upper
152 100
150 149.0 131.6 197.4
115 53.3 50.9 76.3



#5
2-Fluorophenol
Concen: 94.668 ng
RT: 5.638 min Scan# 383
Delta R.T. 0.000 min
Lab File: BG054161.D
Acq: 30 Jun 2022 1:32

Tgt Ion:112 Resp: 113642
Ion Ratio Lower Upper
112 100
64 63.6 55.1 82.7
63 32.8 30.4 45.6

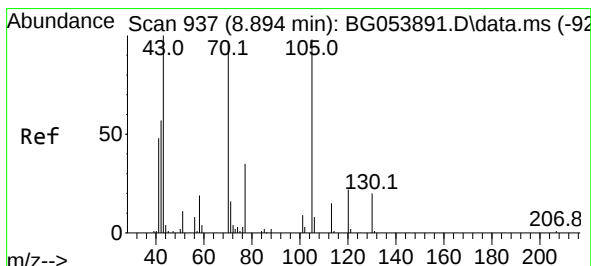
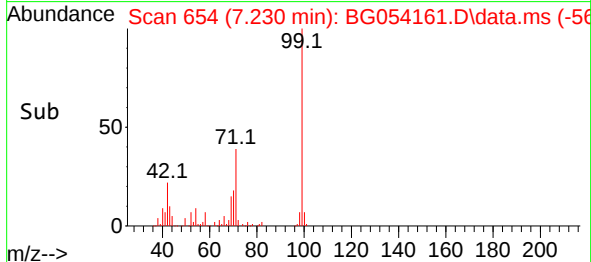
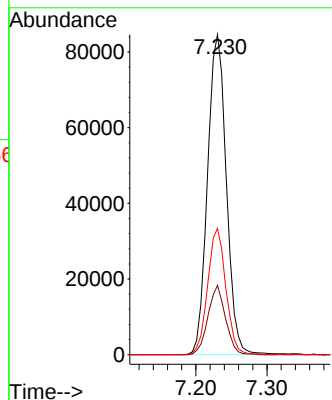
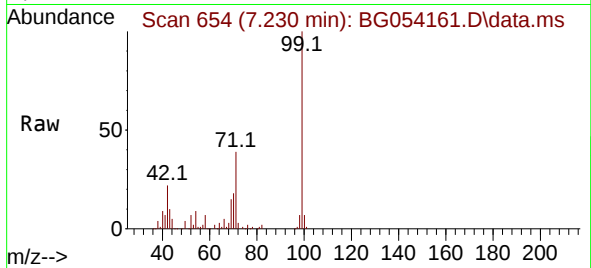




#7
Phenol-d6
Concen: 95.607 ng
RT: 7.230 min Scan# 61
Delta R.T. 0.000 min
Lab File: BG054161.D
Acq: 30 Jun 2022 1:32

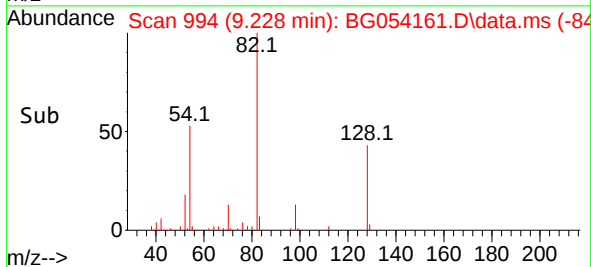
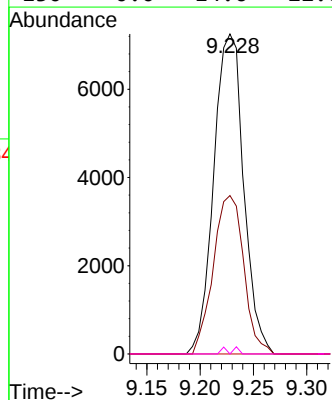
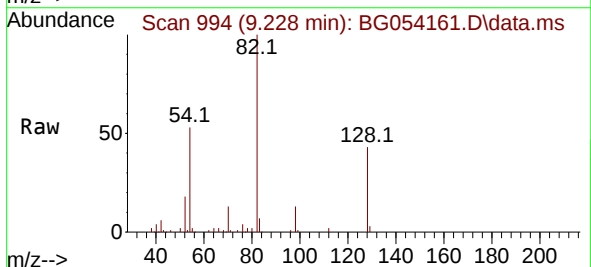
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BNA_G
ClientSampleId :
SB-12-3-5-20220623

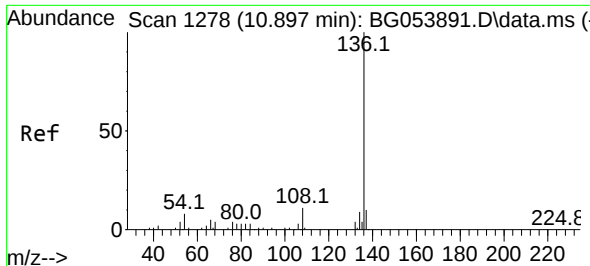
Tgt Ion: 99 Resp: 155692
Ion Ratio Lower Upper
99 100
42 21.7 17.0 25.6
71 39.5 33.8 50.8



#19
n-Nitroso-di-n-propylamine
Concen: 12.916 ng
RT: 9.228 min Scan# 994
Delta R.T. 0.353 min
Lab File: BG054161.D
Acq: 30 Jun 2022 1:32

Tgt Ion: 70 Resp: 14131
Ion Ratio Lower Upper
70 100
42 49.5 47.3 70.9
101 0.0 7.0 10.4#
130 0.0 14.6 22.0#

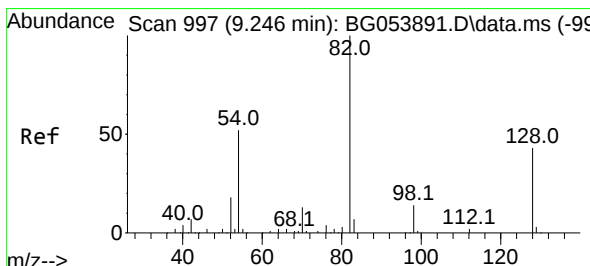
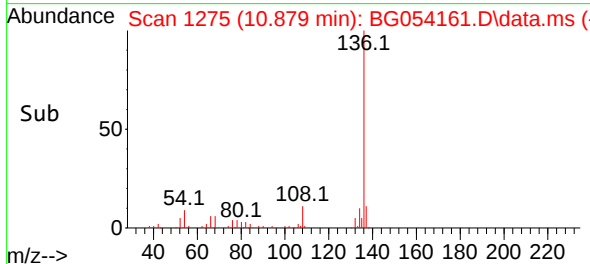
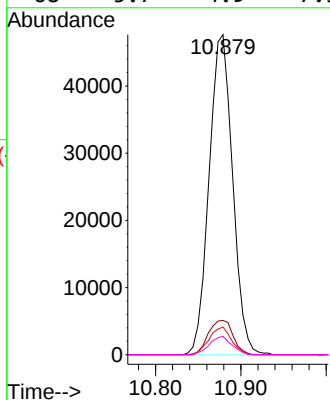
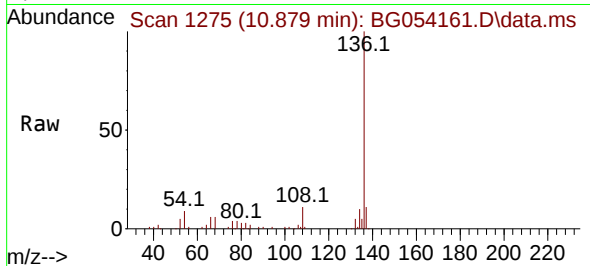




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.879 min Scan# 11
Delta R.T. 0.000 min
Lab File: BG054161.D
Acq: 30 Jun 2022 1:32

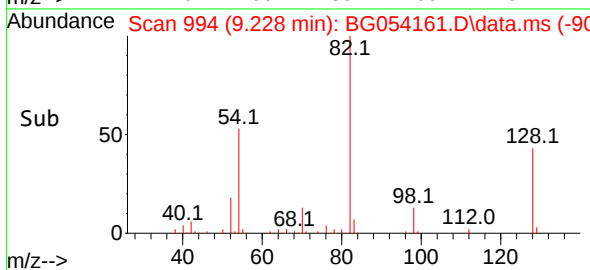
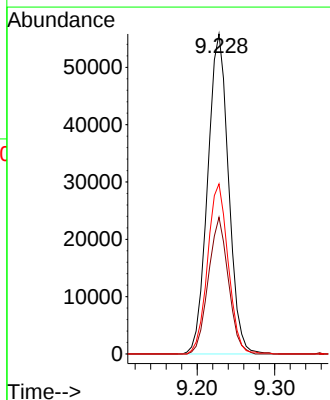
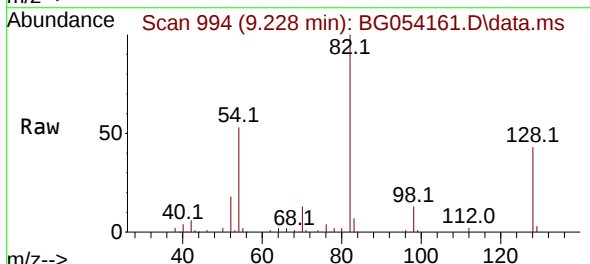
Instrument :
BNA_G
ClientSampleId :
SB-12-3-5-20220623

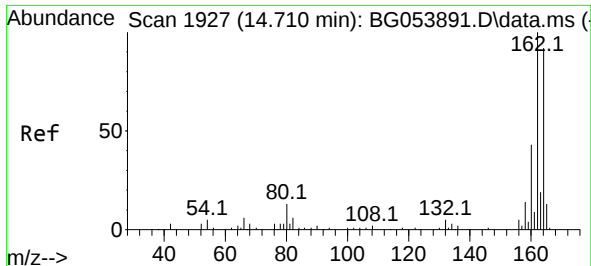
Tgt Ion:136	Resp:	91444
Ion Ratio	Lower	Upper
136	100	
137	10.7	8.5 12.7
54	8.6	7.4 11.2
68	5.7	4.9 7.3



#23
Nitrobenzene-d5
Concen: 64.291 ng
RT: 9.228 min Scan# 994
Delta R.T. -0.006 min
Lab File: BG054161.D
Acq: 30 Jun 2022 1:32

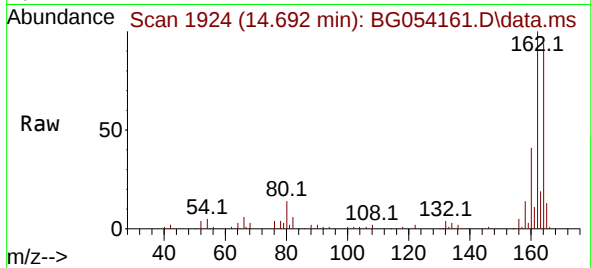
Tgt Ion: 82	Resp:	104616
Ion Ratio	Lower	Upper
82	100	
128	42.7	27.9 41.9#
54	53.2	41.2 61.8



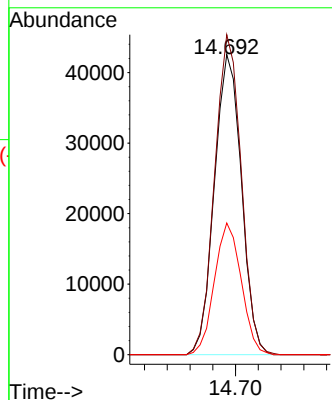
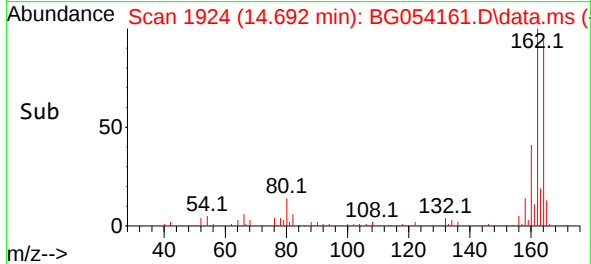


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.692 min Scan# 1924
Delta R.T. -0.006 min
Lab File: BG054161.D
Acq: 30 Jun 2022 1:32

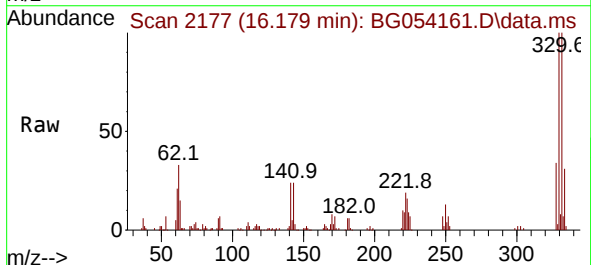
Instrument :
BNA_G
ClientSampleId :
SB-12-3-5-20220623



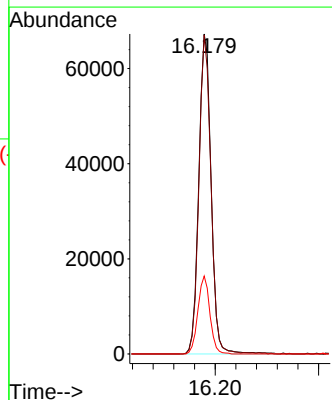
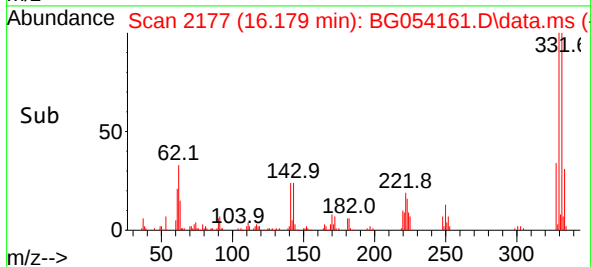
Tgt Ion:164 Resp: 70175
Ion Ratio Lower Upper
164 100
162 106.6 82.3 123.5
160 43.9 34.2 51.2

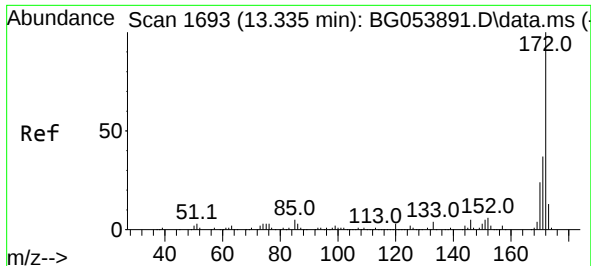


#42
2,4,6-Tribromophenol
Concen: 98.592 ng
RT: 16.179 min Scan# 2177
Delta R.T. -0.006 min
Lab File: BG054161.D
Acq: 30 Jun 2022 1:32



Tgt Ion:330 Resp: 111161
Ion Ratio Lower Upper
330 100
332 97.0 76.0 114.0
141 23.6 27.1 40.7#

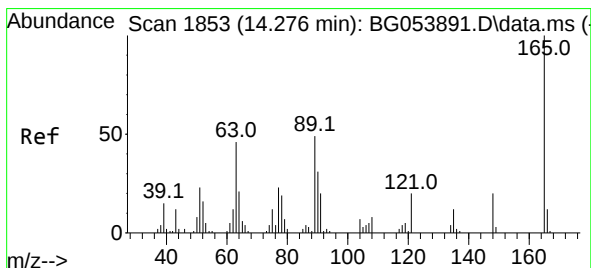
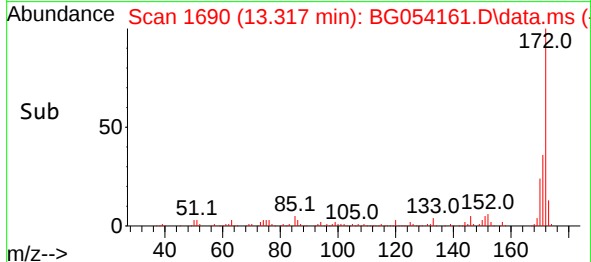
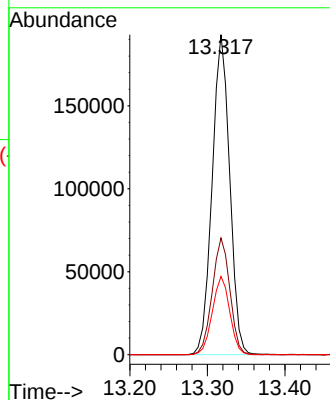
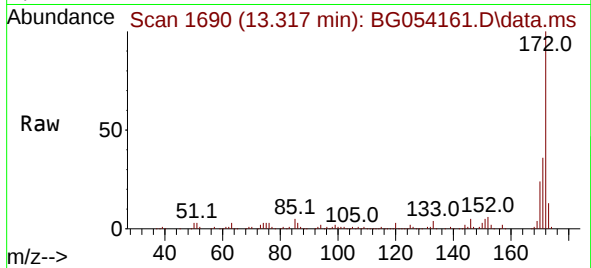




#45
2-Fluorobiphenyl
Concen: 62.792 ng
RT: 13.317 min Scan# 1
Delta R.T. -0.006 min
Lab File: BG054161.D
Acq: 30 Jun 2022 1:32

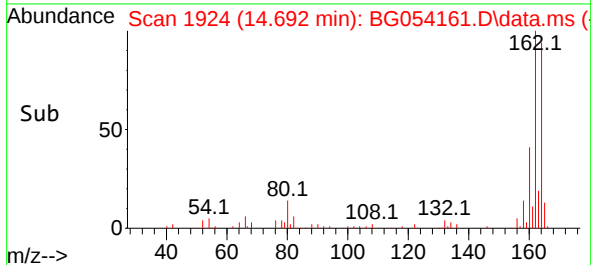
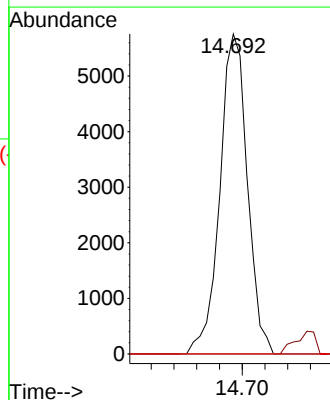
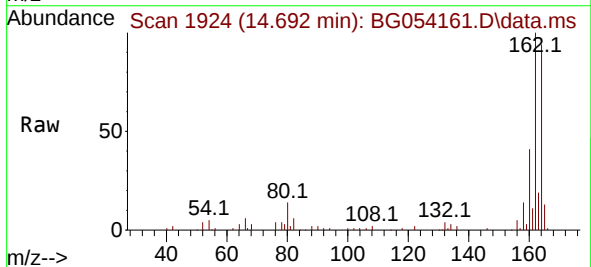
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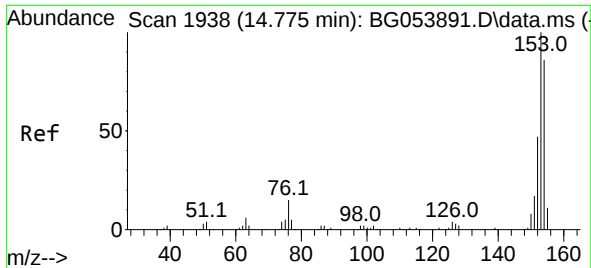
Tgt Ion:172 Resp: 303027
Ion Ratio Lower Upper
172 100
171 36.5 28.5 42.7
170 24.5 18.9 28.3



#51
2,6-Dinitrotoluene
Concen: 8.954 ng
RT: 14.692 min Scan# 1924
Delta R.T. 0.429 min
Lab File: BG054161.D
Acq: 30 Jun 2022 1:32

Tgt Ion:165 Resp: 9669
Ion Ratio Lower Upper
165 100
63 0.0 54.1 81.1#
89 0.0 54.8 82.2#

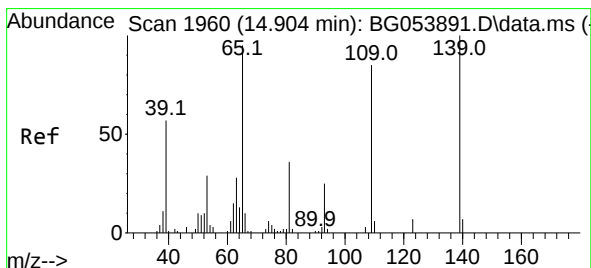
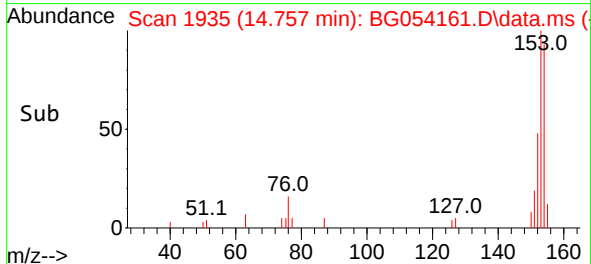
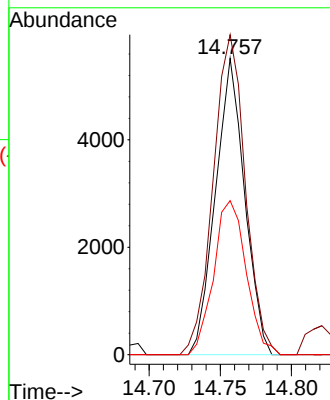
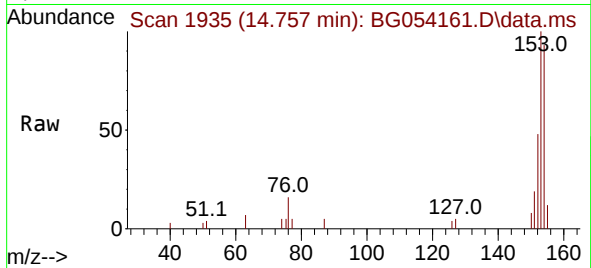




#52
Acenaphthene
Concen: 2.007 ng
RT: 14.757 min Scan# 1935
Delta R.T. -0.006 min
Lab File: BG054161.D
Acq: 30 Jun 2022 1:32

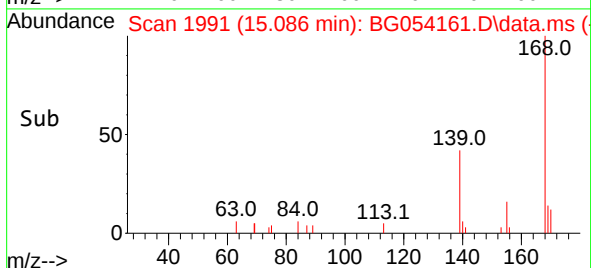
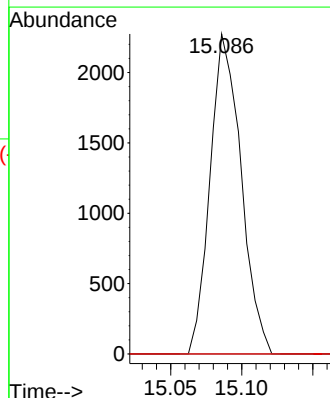
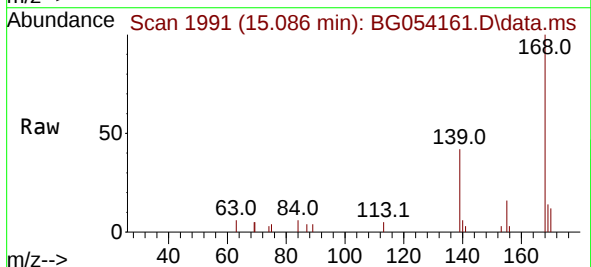
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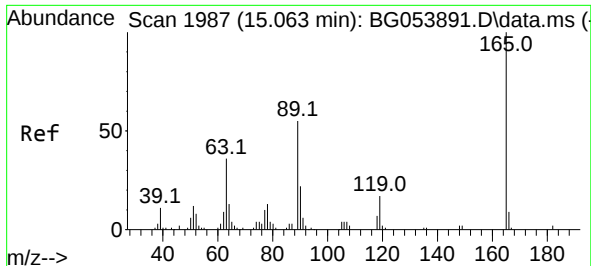
Tgt Ion:154 Resp: 7869
Ion Ratio Lower Upper
154 100
153 108.0 92.7 139.1
152 52.0 42.6 64.0



#56
4-Nitrophenol
Concen: 4.630 ng
RT: 15.086 min Scan# 1991
Delta R.T. 0.188 min
Lab File: BG054161.D
Acq: 30 Jun 2022 1:32

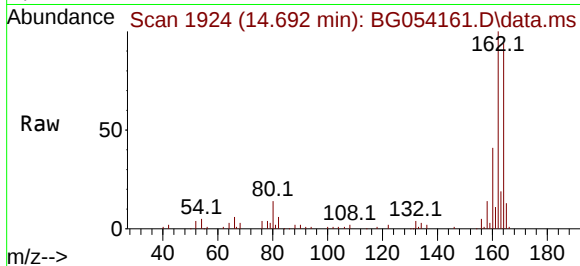
Tgt Ion:139 Resp: 3439
Ion Ratio Lower Upper
139 100
109 0.0 88.5 128.5#
65 0.0 93.9 133.9#



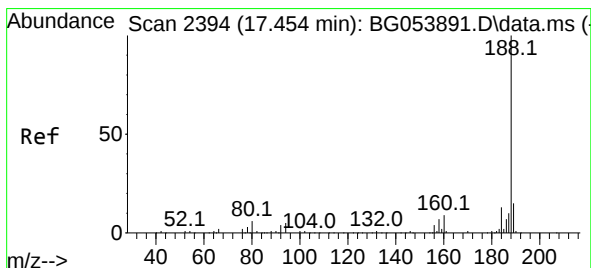
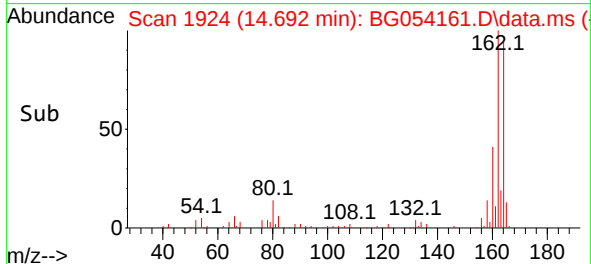
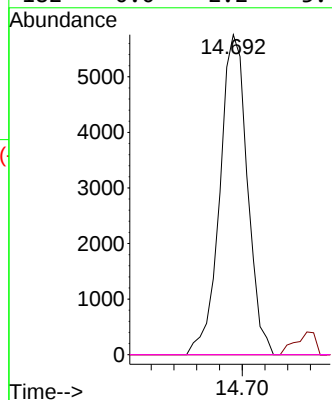


#57
2,4-Dinitrotoluene
Concen: 6.340 ng
RT: 14.692 min Scan# 1987
Delta R.T. -0.358 min
Lab File: BG054161.D
Acq: 30 Jun 2022 1:32

Instrument :
BNA_G
ClientSampleId :
SB-12-3-5-20220623

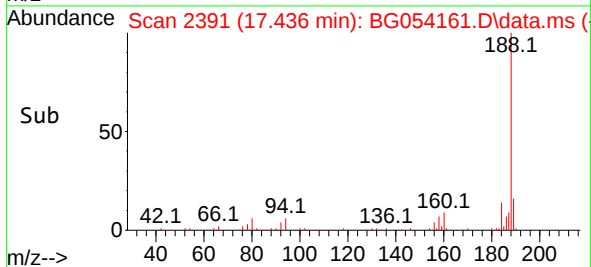
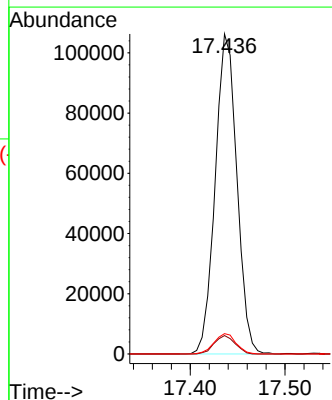
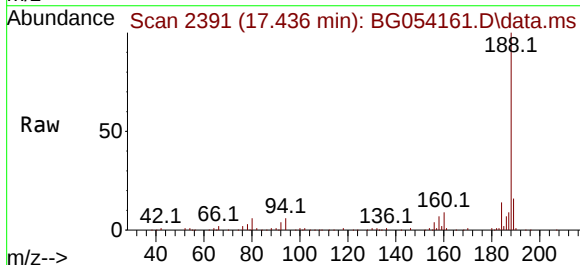


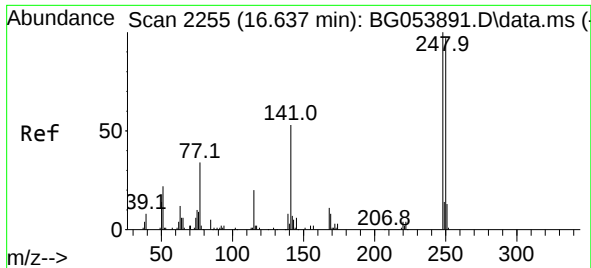
Tgt Ion:165 Resp: 9669
Ion Ratio Lower Upper
165 100
63 0.0 34.6 52.0#
89 0.0 60.3 90.5#
182 0.0 2.2 3.4#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.436 min Scan# 2391
Delta R.T. -0.006 min
Lab File: BG054161.D
Acq: 30 Jun 2022 1:32

Tgt Ion:188 Resp: 168720
Ion Ratio Lower Upper
188 100
94 5.8 5.4 8.0
80 6.4 6.8 10.2#

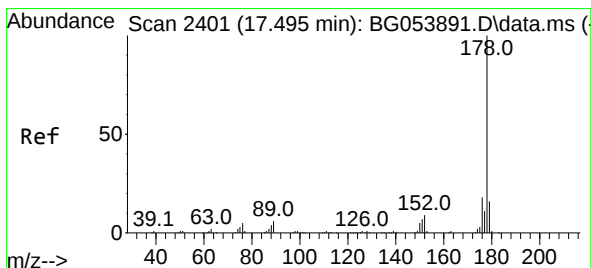
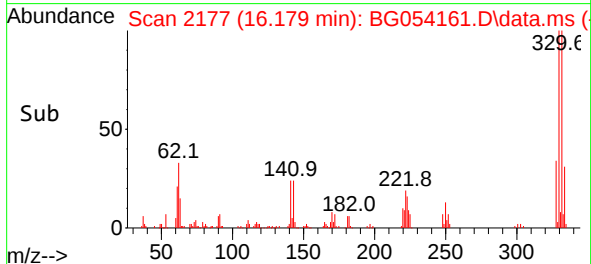
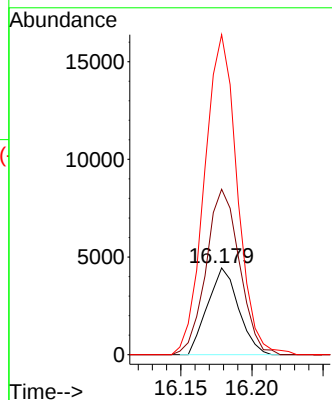
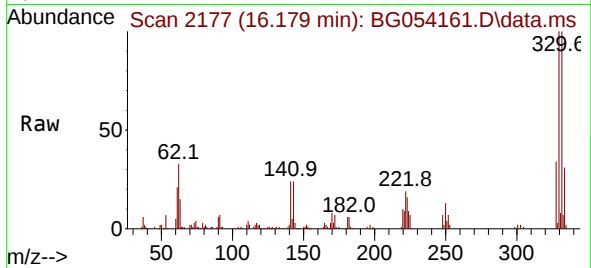




#67
4-Bromophenyl-phenylether
Concen: 3.195 ng
RT: 16.179 min Scan# 2177
Delta R.T. -0.446 min
Lab File: BG054161.D
Acq: 30 Jun 2022 1:32

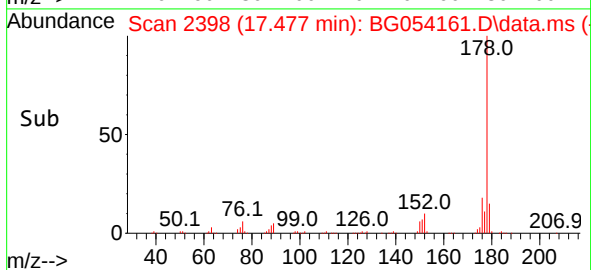
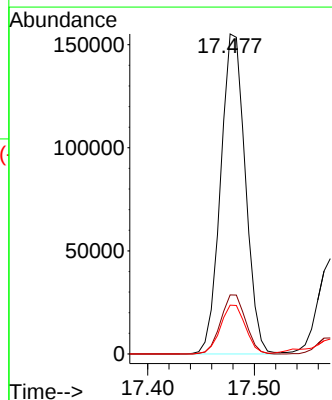
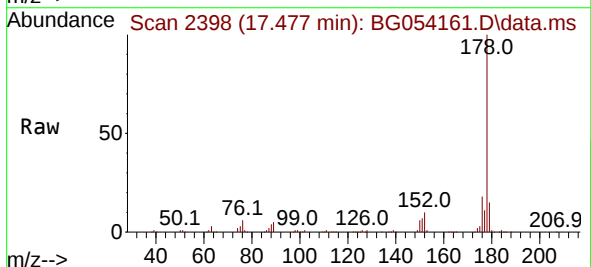
Instrument :
BNA_G
ClientSampleId :
SB-12-3-5-20220623

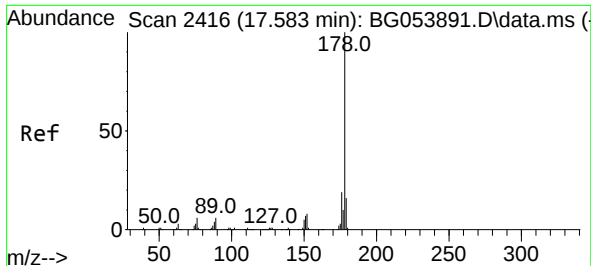
Tgt Ion:248 Resp: 6733
Ion Ratio Lower Upper
248 100
250 195.1 75.2 112.8#
141 287.0 50.0 75.0#



#71
Phenanthrene
Concen: 28.843 ng
RT: 17.477 min Scan# 2398
Delta R.T. -0.006 min
Lab File: BG054161.D
Acq: 30 Jun 2022 1:32

Tgt Ion:178 Resp: 250025
Ion Ratio Lower Upper
178 100
176 18.4 14.1 21.1
179 15.2 12.1 18.1

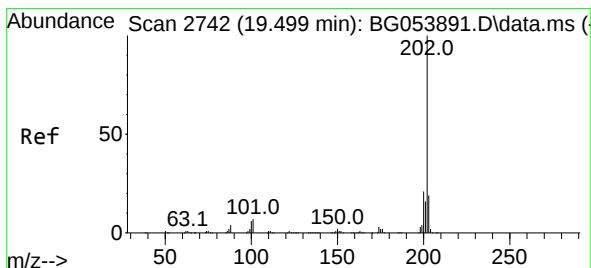
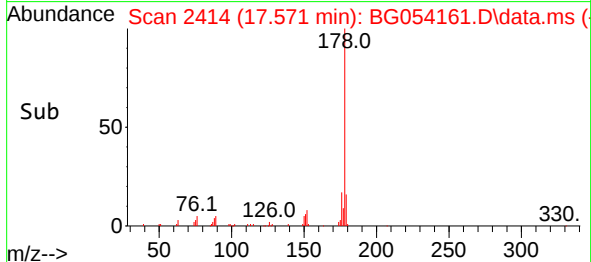
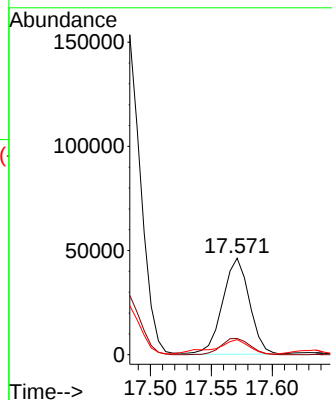
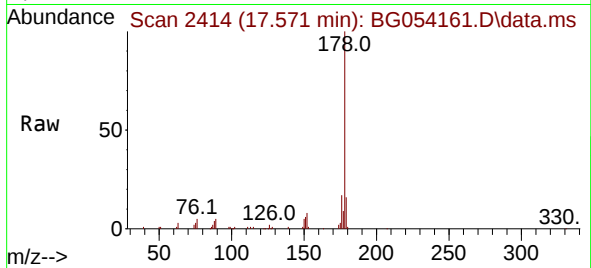




#72
 Anthracene
 Concen: 8.344 ng
 RT: 17.571 min Scan# 2416
 Delta R.T. -0.006 min
 Lab File: BG054161.D
 Acq: 30 Jun 2022 1:32

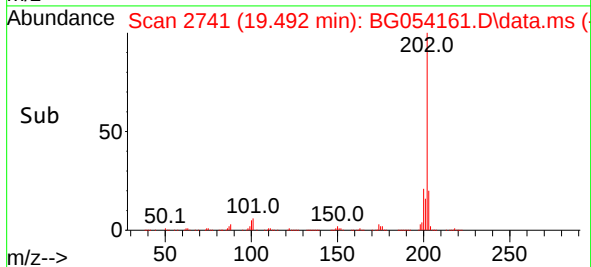
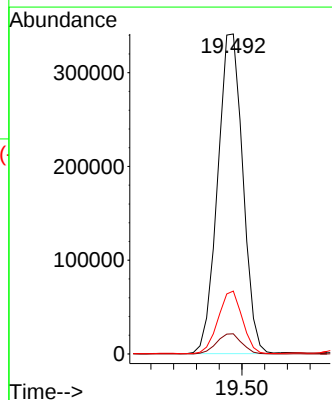
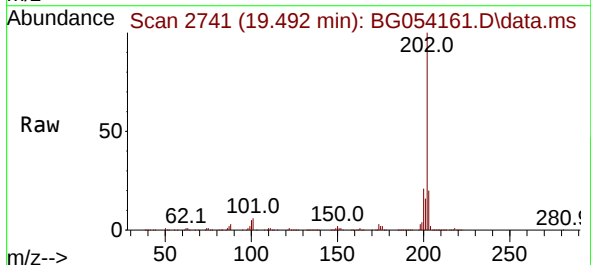
Instrument :
 BNA_G
 ClientSampleId :
 SB-12-3-5-20220623

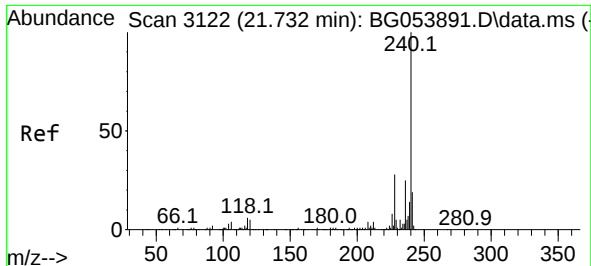
Tgt Ion:178 Resp: 70632
 Ion Ratio Lower Upper
 178 100
 176 16.8 15.2 22.8
 179 15.6 13.0 19.4



#75
 Fluoranthene
 Concen: 46.078 ng
 RT: 19.492 min Scan# 2741
 Delta R.T. 0.000 min
 Lab File: BG054161.D
 Acq: 30 Jun 2022 1:32

Tgt Ion:202 Resp: 524331
 Ion Ratio Lower Upper
 202 100
 101 6.3 0.0 26.9
 203 19.6 0.0 37.2

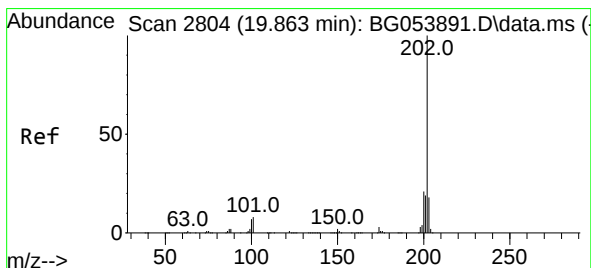
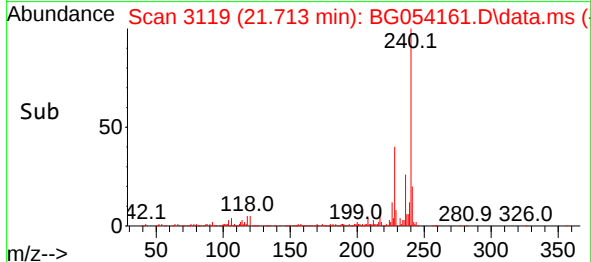
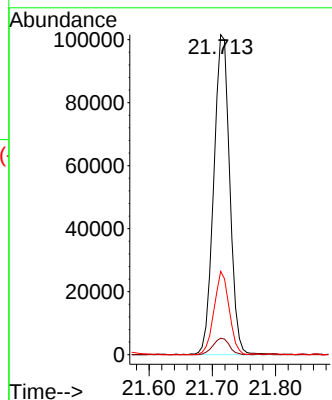
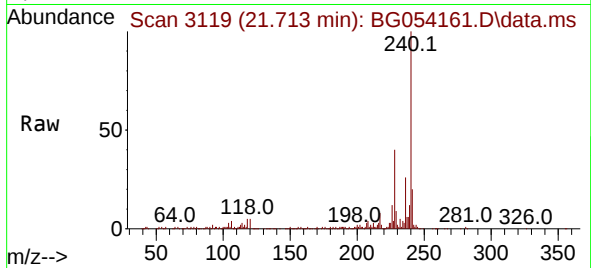




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.713 min Scan# 31
Delta R.T. -0.006 min
Lab File: BG054161.D
Acq: 30 Jun 2022 1:32

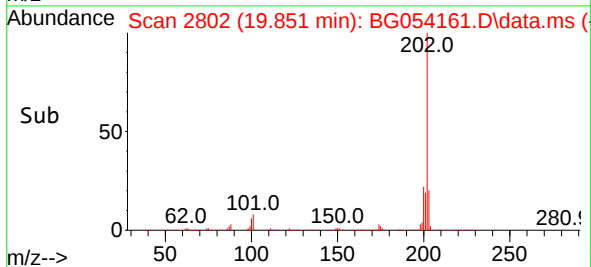
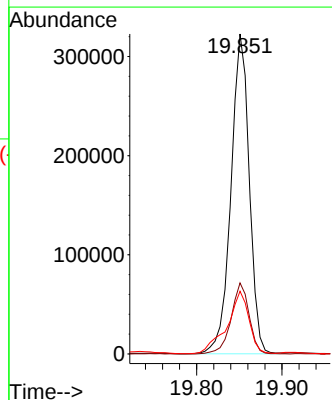
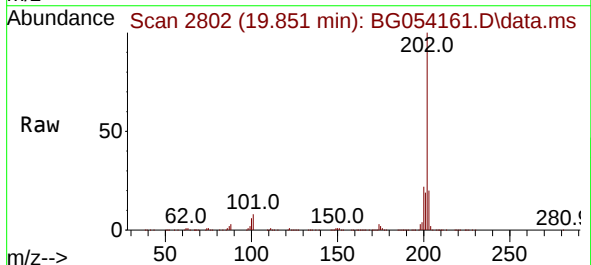
Instrument :
BNA_G
ClientSampleId :
SB-12-3-5-20220623

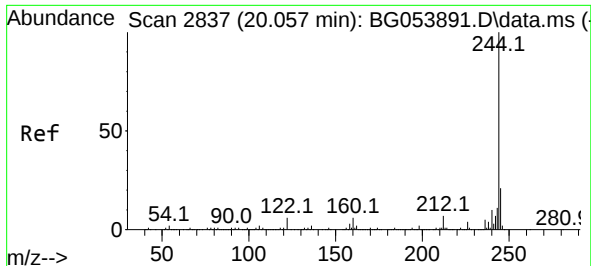
Tgt Ion:240 Resp: 178213
Ion Ratio Lower Upper
240 100
120 5.2 4.6 7.0
236 26.0 20.2 30.4



#78
Pyrene
Concen: 44.667 ng
RT: 19.851 min Scan# 2802
Delta R.T. 0.000 min
Lab File: BG054161.D
Acq: 30 Jun 2022 1:32

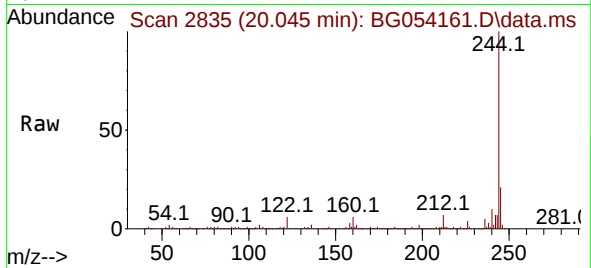
Tgt Ion:202 Resp: 480775
Ion Ratio Lower Upper
202 100
200 22.2 16.6 24.8
203 19.6 14.6 21.8



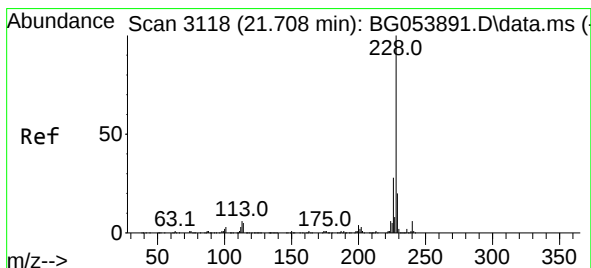
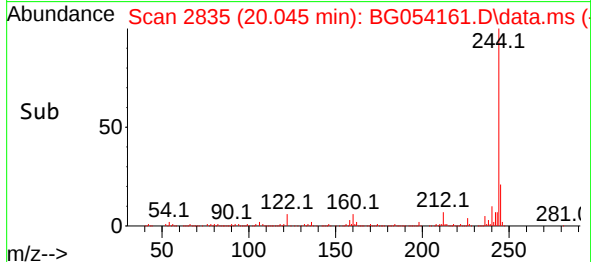
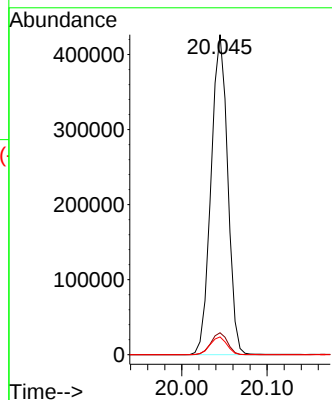


#79
 Terphenyl-d14
 Concen: 65.537 ng
 RT: 20.045 min Scan# 21
 Delta R.T. 0.000 min
 Lab File: BG054161.D
 Acq: 30 Jun 2022 1:32

Instrument :
 BNA_G
 ClientSampleId :
 SB-12-3-5-20220623

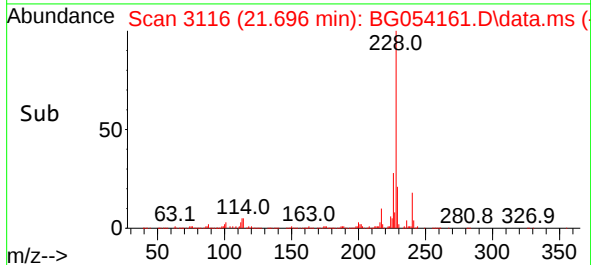
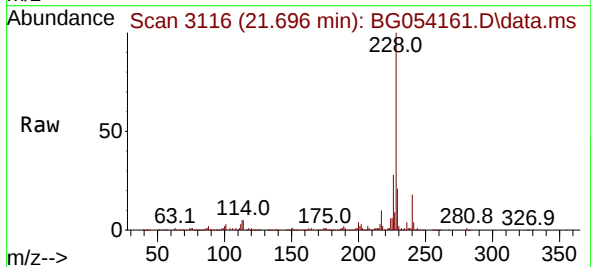
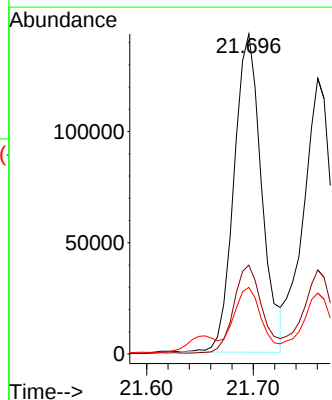


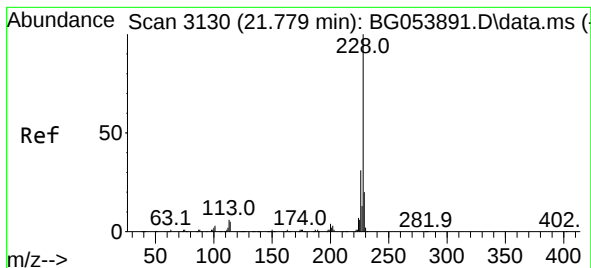
Tgt Ion:244 Resp: 579897
 Ion Ratio Lower Upper
 244 100
 212 6.9 6.5 9.7
 122 5.6 5.0 7.4



#81
 Benzo(a)anthracene
 Concen: 22.359 ng
 RT: 21.696 min Scan# 3116
 Delta R.T. 0.000 min
 Lab File: BG054161.D
 Acq: 30 Jun 2022 1:32

Tgt Ion:228 Resp: 257999
 Ion Ratio Lower Upper
 228 100
 226 27.8 21.6 32.4
 229 20.8 16.2 24.2





#83

Chrysene

Concen: 20.631 ng

RT: 21.760 min Scan# 31

Delta R.T. 0.000 min

Lab File: BG054161.D

Acq: 30 Jun 2022 1:32

Instrument :

BNA_G

ClientSampleId :

SB-12-3-5-20220623

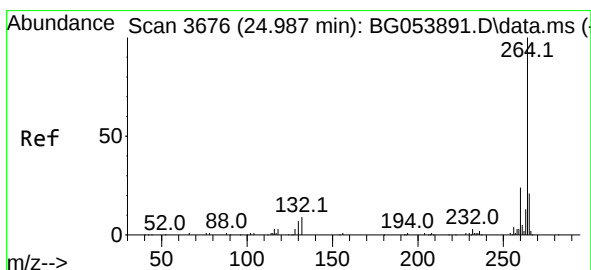
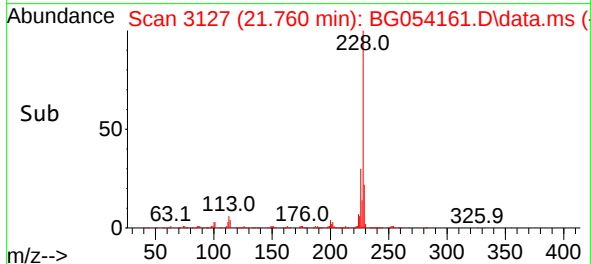
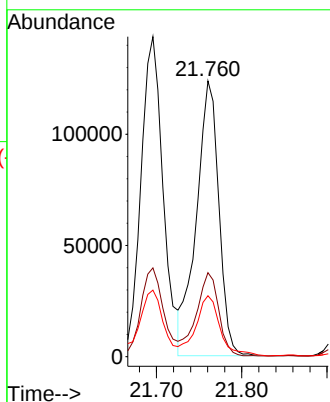
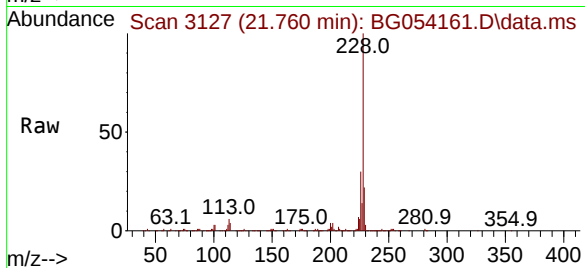
Tgt Ion:228 Resp: 226922

Ion Ratio Lower Upper

228 100

226 30.5 23.4 35.2

229 22.1 15.5 23.3



#86

Perylene-d12

Concen: 20.000 ng

RT: 24.968 min Scan# 3673

Delta R.T. 0.006 min

Lab File: BG054161.D

Acq: 30 Jun 2022 1:32

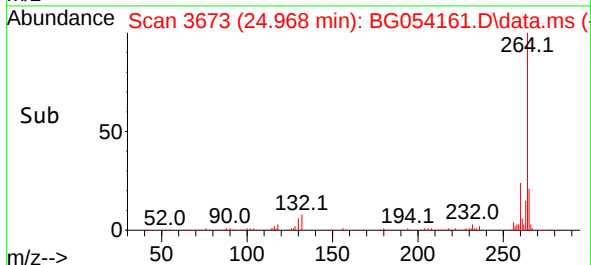
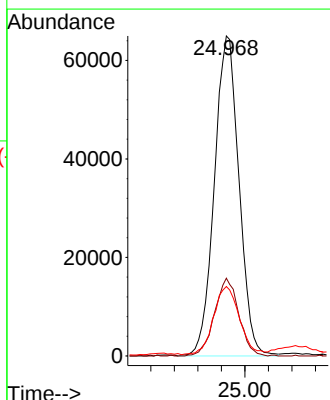
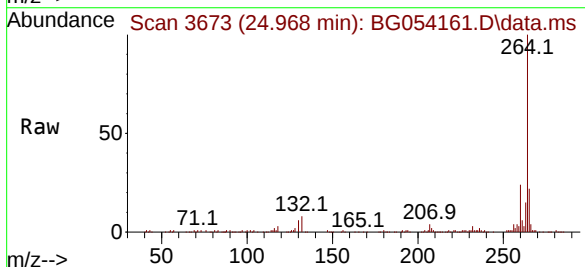
Tgt Ion:264 Resp: 188573

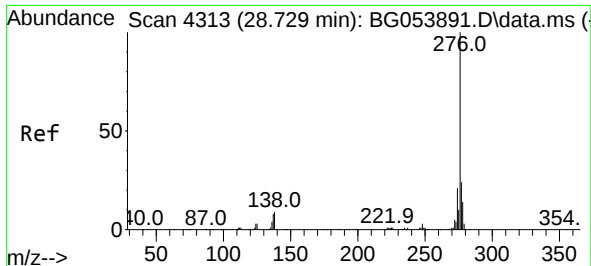
Ion Ratio Lower Upper

264 100

260 24.3 19.0 28.6

265 21.7 17.4 26.2

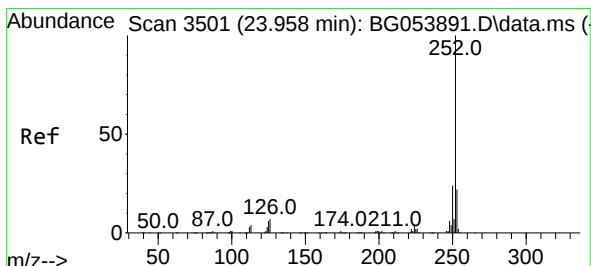
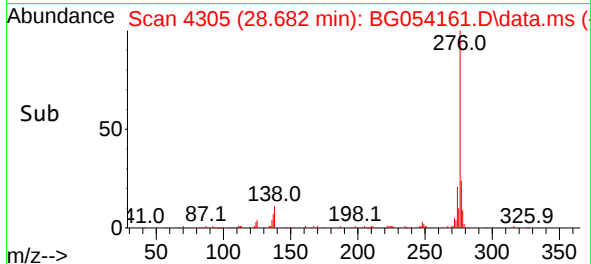
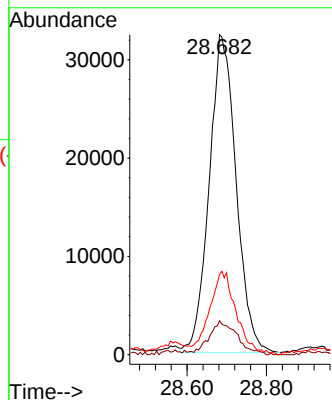
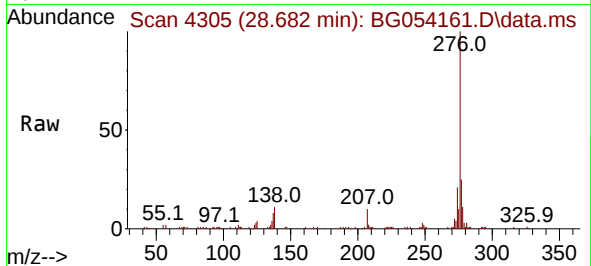




#87
 Indeno(1,2,3-cd)pyrene
 Concen: 10.720 ng
 RT: 28.682 min Scan# 41
 Delta R.T. -0.006 min
 Lab File: BG054161.D
 Acq: 30 Jun 2022 1:32

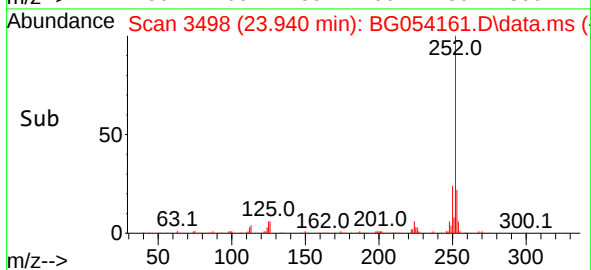
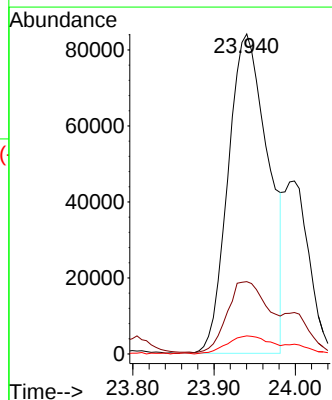
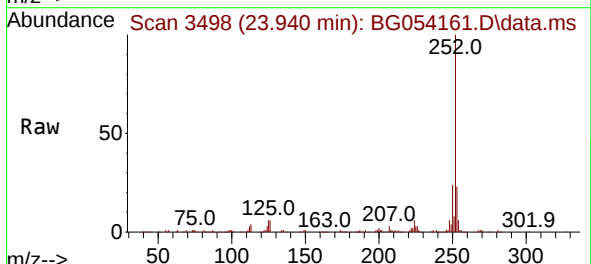
Instrument :
 BNA_G
 ClientSampleId :
 SB-12-3-5-20220623

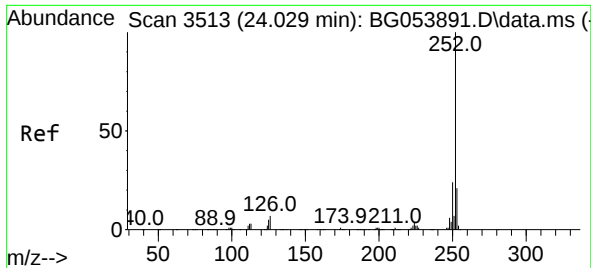
Tgt Ion:276 Resp: 152556
 Ion Ratio Lower Upper
 276 100
 138 11.0 5.0 7.4#
 277 26.2 20.3 30.5



#88
 Benzo(b)fluoranthene
 Concen: 25.152 ng
 RT: 23.940 min Scan# 3498
 Delta R.T. 0.006 min
 Lab File: BG054161.D
 Acq: 30 Jun 2022 1:32

Tgt Ion:252 Resp: 288384
 Ion Ratio Lower Upper
 252 100
 253 22.6 18.0 27.0
 125 5.7 4.6 6.8

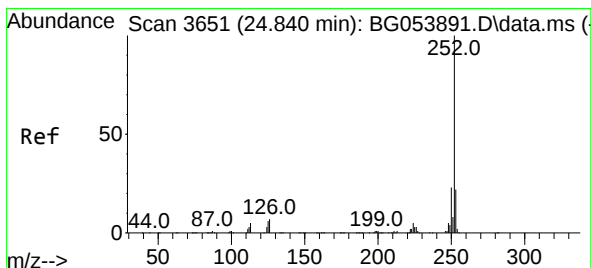
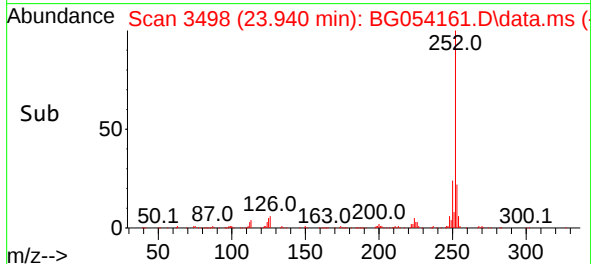
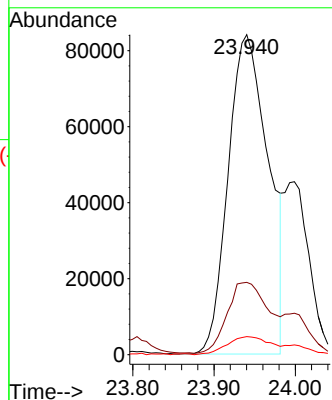
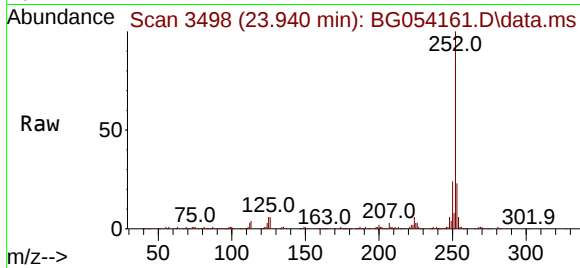




#89
Benzo(k)fluoranthene
Concen: 25.404 ng
RT: 23.940 min Scan# 34
Delta R.T. -0.064 min
Lab File: BG054161.D
Acq: 30 Jun 2022 1:32

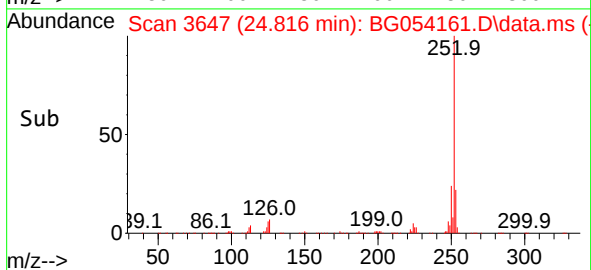
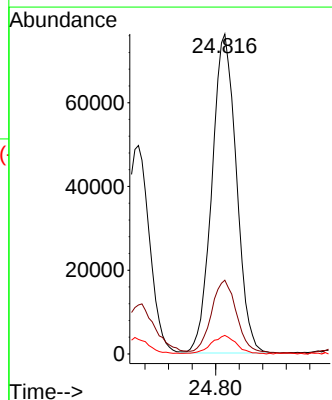
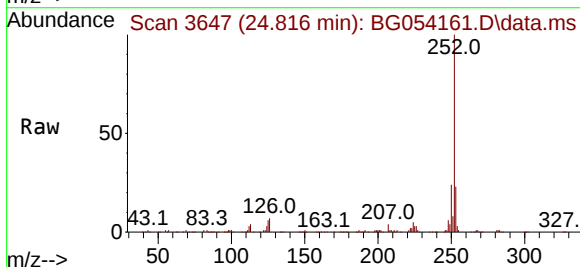
Instrument :
BNA_G
ClientSampleId :
SB-12-3-5-20220623

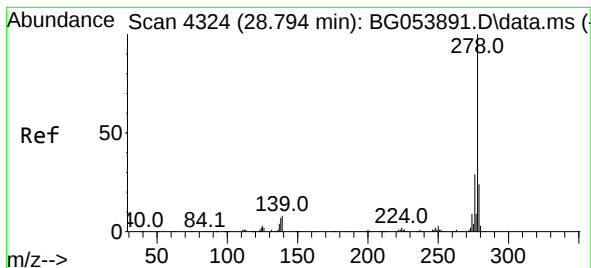
Tgt Ion:252 Resp: 288384
Ion Ratio Lower Upper
252 100
253 22.6 18.4 27.6
125 5.7 4.8 7.2



#90
Benzo(a)pyrene
Concen: 22.711 ng
RT: 24.816 min Scan# 3647
Delta R.T. 0.000 min
Lab File: BG054161.D
Acq: 30 Jun 2022 1:32

Tgt Ion:252 Resp: 219705
Ion Ratio Lower Upper
252 100
253 23.0 17.8 26.8
125 5.8 4.3 6.5





#91

Dibenzo(a,h)anthracene

Concen: 3.159 ng

RT: 28.740 min Scan# 41

Delta R.T. -0.006 min

Lab File: BG054161.D

Acq: 30 Jun 2022 1:32

Instrument :

BNA_G

ClientSampleId :

SB-12-3-5-20220623

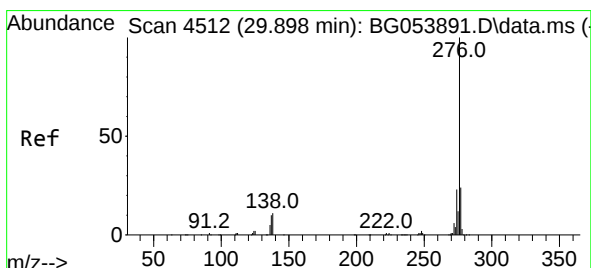
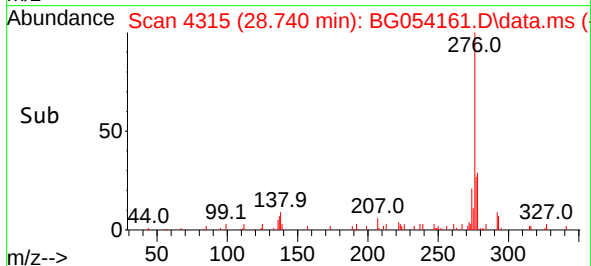
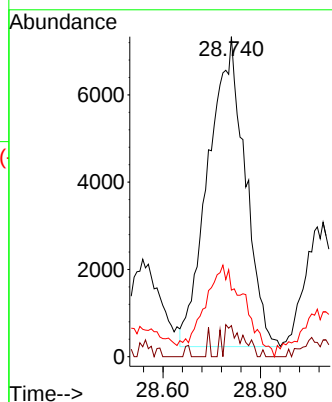
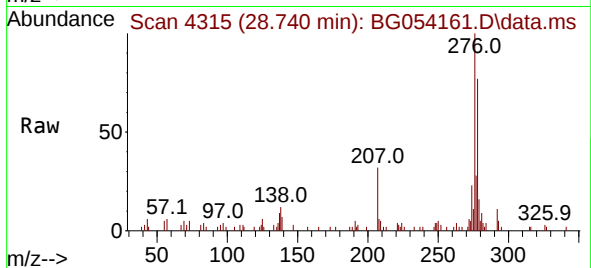
Tgt Ion:278 Resp: 37175

Ion Ratio Lower Upper

278 100

139 9.7 7.2 10.8

279 20.8 18.6 27.8



#92

Benzo(g,h,i)perylene

Concen: 12.961 ng

RT: 29.863 min Scan# 4506

Delta R.T. 0.000 min

Lab File: BG054161.D

Acq: 30 Jun 2022 1:32

Tgt Ion:276 Resp: 150513

Ion Ratio Lower Upper

276 100

277 23.4 17.3 25.9

138 10.6 9.6 14.4

