

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG042221\
 Data File : BG048843.D
 Acq On : 22 Apr 2021 12:20
 Operator : CG/JU
 Sample : M2042-01
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 FS-SB12A(7-8)

Quant Time: Apr 22 14:38:44 2021
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG041421.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Apr 20 17:33:30 2021
 Response via : Initial Calibration

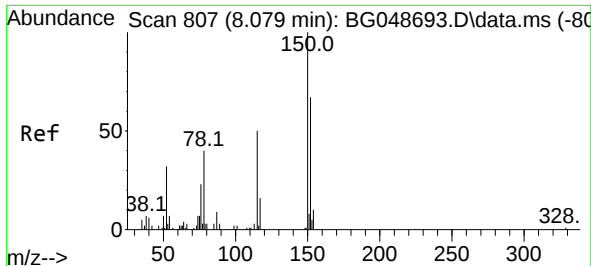
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.059	152	19450	20.00	ng	0.00
21) Naphthalene-d8	10.885	136	83991	20.00	ng	# 0.00
39) Acenaphthene-d10	14.722	164	58206	20.00	ng	0.00
64) Phenanthrene-d10	17.477	188	137876	20.00	ng	# 0.00
76) Chrysene-d12	21.778	240	127015	20.00	ng	0.00
86) Perylene-d12	25.115	264	127488	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.609	112	146345	125.84	ng	0.00
7) Phenol-d6	7.224	99	190459	115.79	ng	0.00
23) Nitrobenzene-d5	9.234	82	145948	77.80	ng	0.00
42) 2,4,6-Tribromophenol	16.220	330	83896	107.50	ng	0.00
45) 2-Fluorobiphenyl	13.341	172	313866	77.87	ng	0.00
79) Terphenyl-d14	20.092	244	526189	71.30	ng	0.00
Target Compounds						
						Qvalue
10) Phenol	7.248	94	3283	2.03	ng	# 62
19) n-Nitroso-di-n-propyla...	9.234	70	23195	20.90	ng	# 68
41) Hexachlorocyclopentadiene	13.347	237	79	5.93	ng	# 31
50) Dimethylphthalate	14.163	163	19261	4.41	ng	98
51) 2,6-Dinitrotoluene	14.722	165	7331	7.28	ng	# 10
57) 2,4-Dinitrotoluene	14.722	165	7331	5.01	ng	# 15
67) 4-Bromophenyl-phenylether	16.220	248	6816	4.30	ng	# 1
71) Phenanthrene	17.518	178	47892	6.69	ng	98
72) Anthracene	17.518	178	47892	6.76	ng	97
75) Fluoranthene	19.534	202	145792	16.11	ng	99
77) Benzidine	20.092	184	10812	3.13	ng	100
78) Pyrene	19.898	202	147357	16.77	ng	99
81) Benzo(a)anthracene	21.760	228	100944	11.63	ng	98
83) Chrysene	21.825	228	88935	10.76	ng	98
87) Indeno(1,2,3-cd)pyrene	28.940	276	79930	8.54	ng	# 87
88) Benzo(b)fluoranthene	24.052	252	144705	16.73	ng	# 96
89) Benzo(k)fluoranthene	24.052	252	144705	17.79	ng	# 99
90) Benzo(a)pyrene	24.951	252	112618	14.13	ng	# 97
92) Benzo(g,h,i)perylene	30.121	276	76546	9.65	ng	# 96

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

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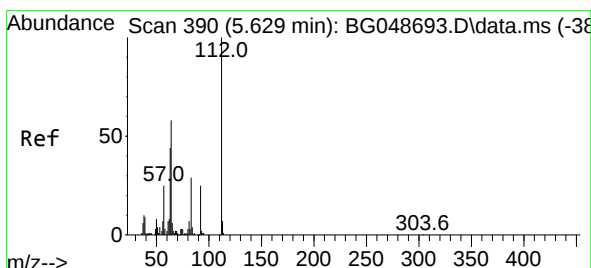
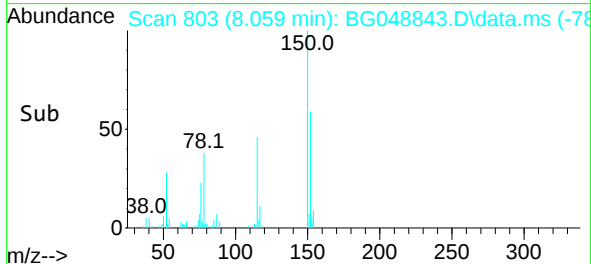
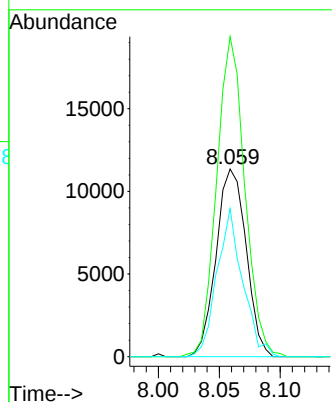
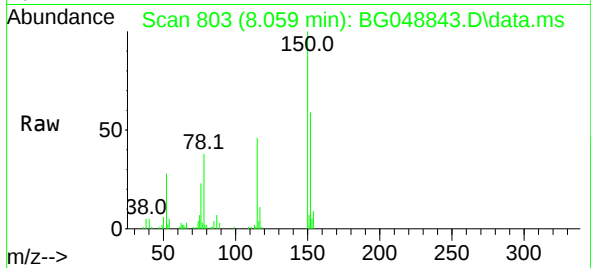




#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 8.059 min Scan# 803
Delta R.T. -0.002 min
Lab File: BG048843.D
Acq: 22 Apr 2021 12:20

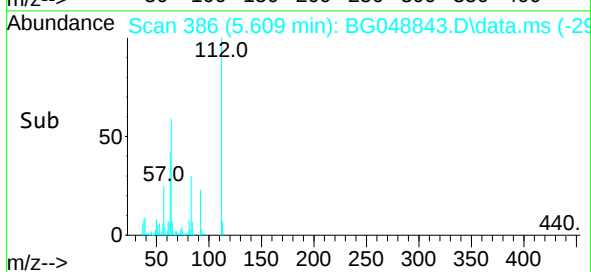
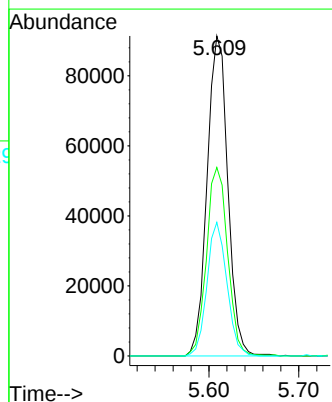
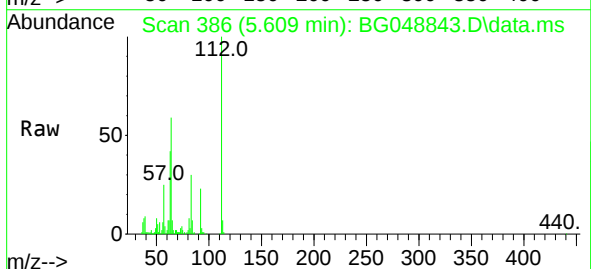
Instrument :
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ClientSampleId :
FS-SB12A(7-8)

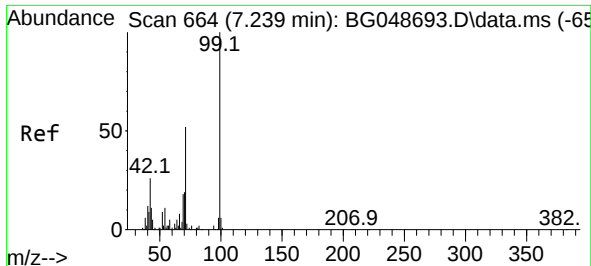
Tgt Ion:152 Resp: 19450
Ion Ratio Lower Upper
152 100
150 170.5 119.4 179.0
115 78.8 60.2 90.4



#5
2-Fluorophenol
Concen: 125.84 ng
RT: 5.609 min Scan# 386
Delta R.T. 0.003 min
Lab File: BG048843.D
Acq: 22 Apr 2021 12:20

Tgt Ion:112 Resp: 146345
Ion Ratio Lower Upper
112 100
64 58.9 46.7 70.1
63 41.8 35.3 52.9

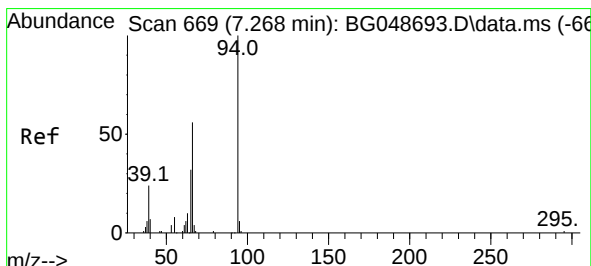
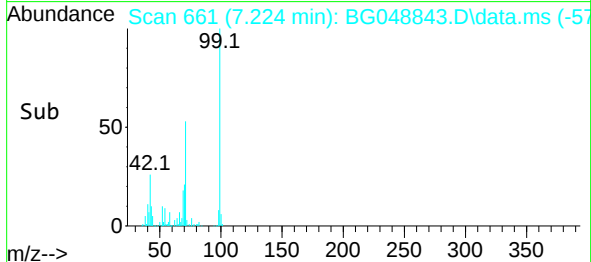
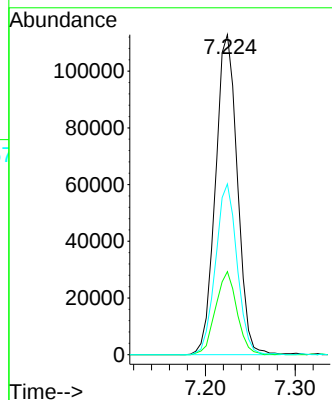
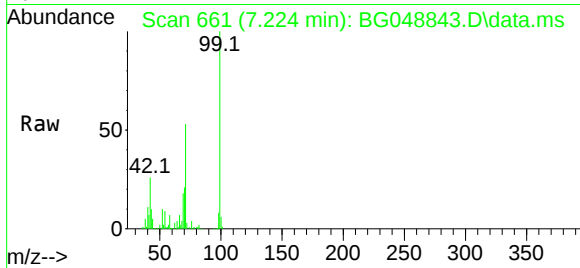




#7
Phenol-d6
Concen: 115.79 ng
RT: 7.224 min Scan# 661
Delta R.T. 0.003 min
Lab File: BG048843.D
Acq: 22 Apr 2021 12:20

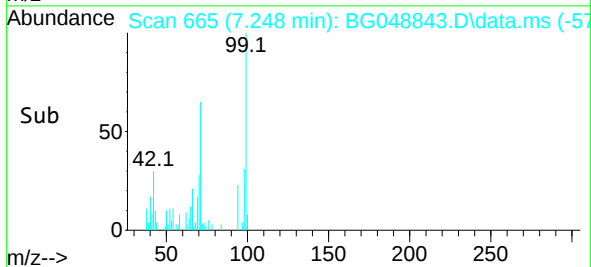
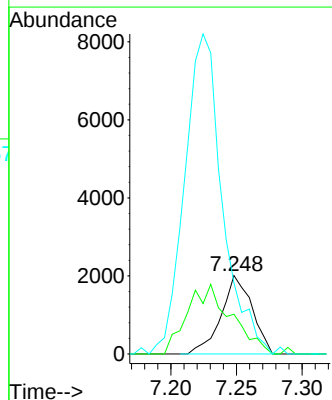
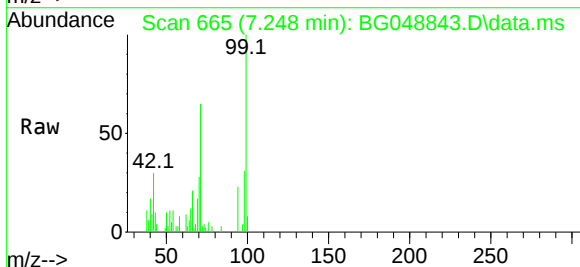
Instrument :
BNA_G
ClientSampleId :
FS-SB12A(7-8)

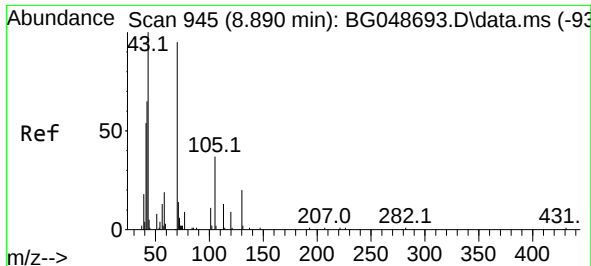
Tgt Ion: 99 Resp: 190459
Ion Ratio Lower Upper
99 100
42 26.0 20.5 30.7
71 53.3 41.5 62.3



#10
Phenol
Concen: 2.03 ng
RT: 7.248 min Scan# 665
Delta R.T. -0.002 min
Lab File: BG048843.D
Acq: 22 Apr 2021 12:20

Tgt Ion: 94 Resp: 3283
Ion Ratio Lower Upper
94 100
65 50.7 12.9 52.9
66 90.6 39.4 79.4#

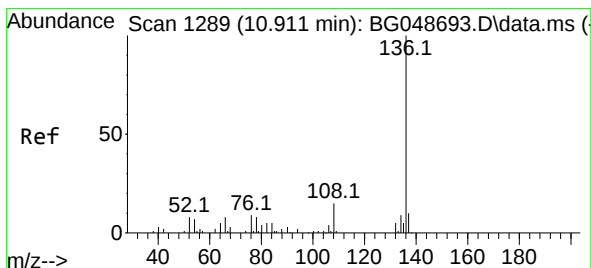
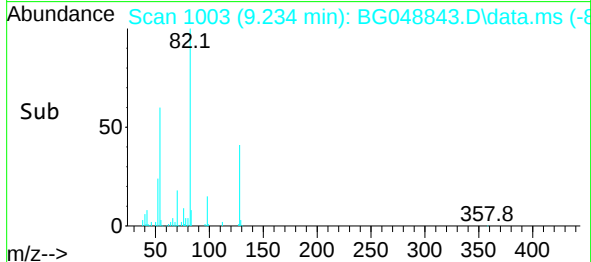
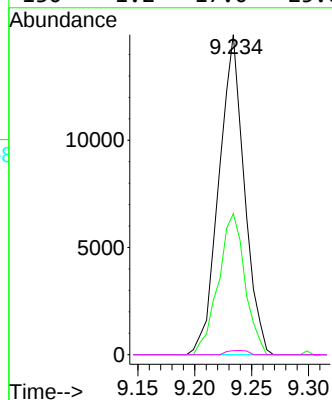
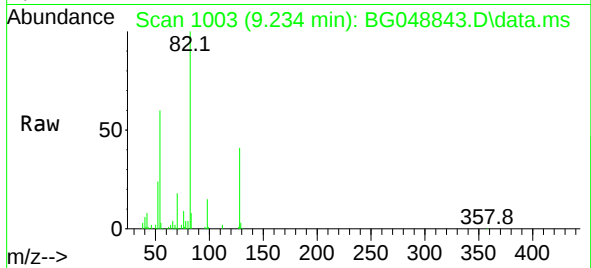




#19
n-Nitroso-di-n-propylamine
Concen: 20.90 ng
RT: 9.234 min Scan# 1003
Delta R.T. 0.362 min
Lab File: BG048843.D
Acq: 22 Apr 2021 12:20

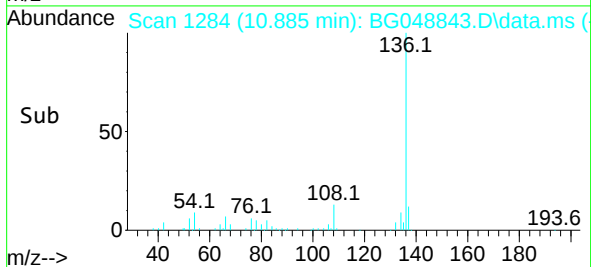
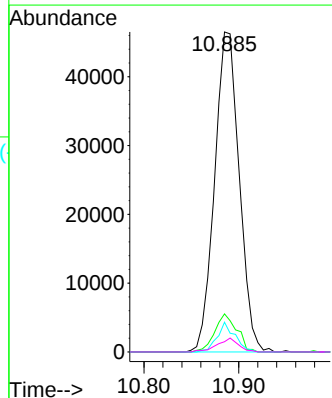
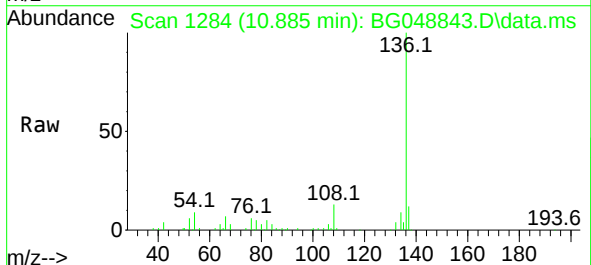
Instrument :
BNA_G
ClientSampleId :
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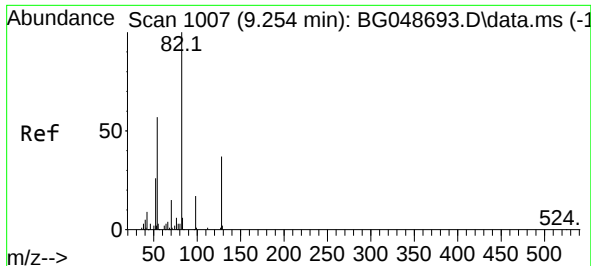
Tgt Ion: 70	Resp: 23195
Ion Ratio	Lower Upper
70 100	
42 44.1	54.5 81.7#
101 0.0	9.0 13.6#
130 1.2	17.0 25.6#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 10.885 min Scan# 1284
Delta R.T. -0.008 min
Lab File: BG048843.D
Acq: 22 Apr 2021 12:20

Tgt Ion: 136	Resp: 83991
Ion Ratio	Lower Upper
136 100	
137 11.9	8.2 12.2
54 9.3	5.5 8.3#
68 3.2	2.3 3.5

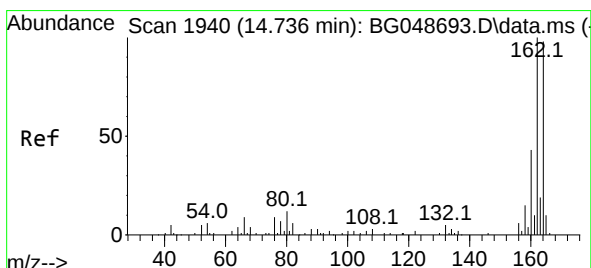
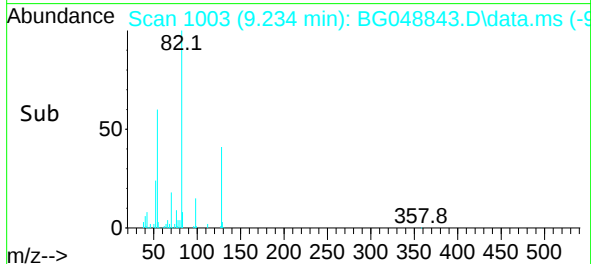
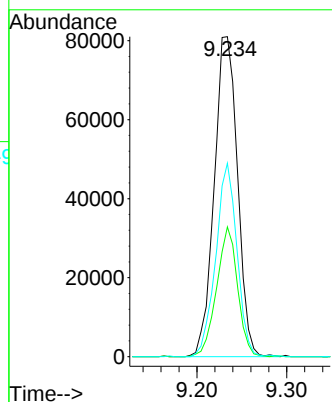
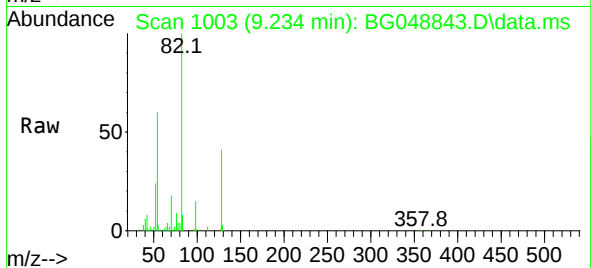




#23
Nitrobenzene-d5
Concen: 77.80 ng
RT: 9.234 min Scan# 1003
Delta R.T. -0.002 min
Lab File: BG048843.D
Acq: 22 Apr 2021 12:20

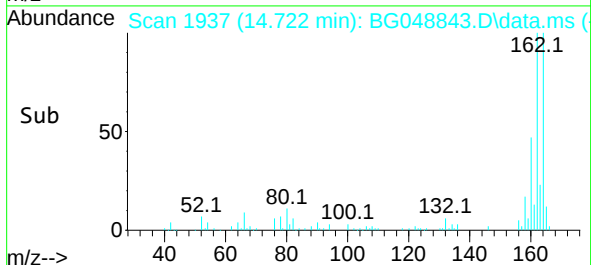
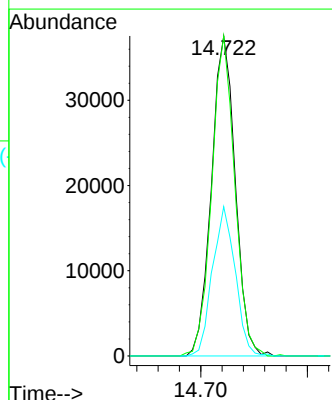
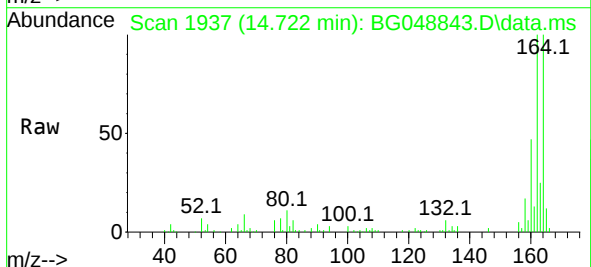
Instrument :
BNA_G
ClientSampleId :
FS-SB12A(7-8)

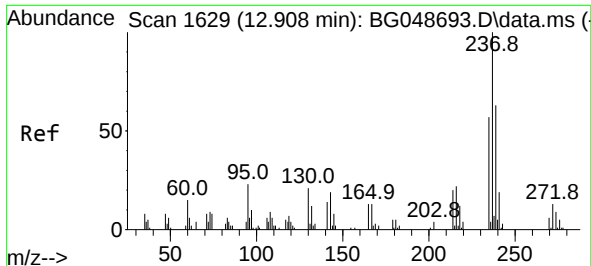
Tgt Ion: 82 Resp: 145948
Ion Ratio Lower Upper
82 100
128 40.5 29.8 44.6
54 60.5 45.8 68.8



#39
Acenaphthene-d10
Concen: 20.00 ng
RT: 14.722 min Scan# 1937
Delta R.T. -0.002 min
Lab File: BG048843.D
Acq: 22 Apr 2021 12:20

Tgt Ion:164 Resp: 58206
Ion Ratio Lower Upper
164 100
162 100.1 81.4 122.0
160 46.7 34.9 52.3

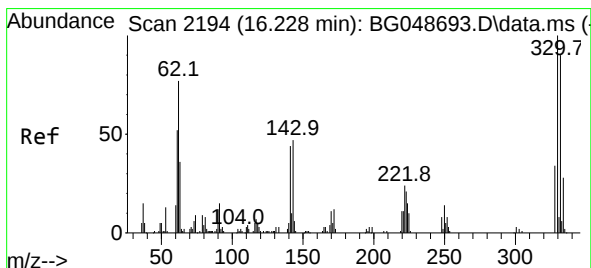
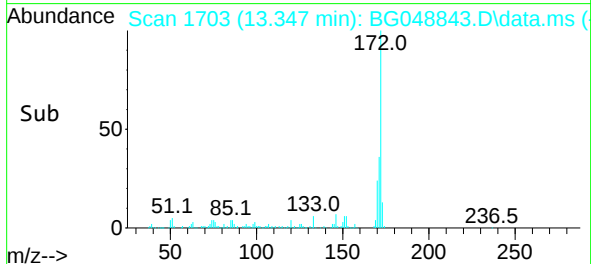
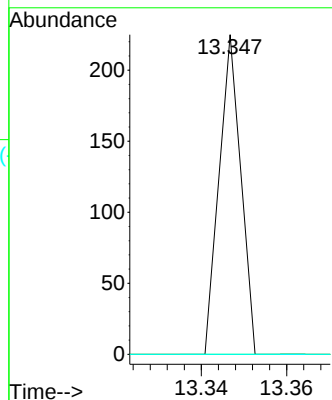
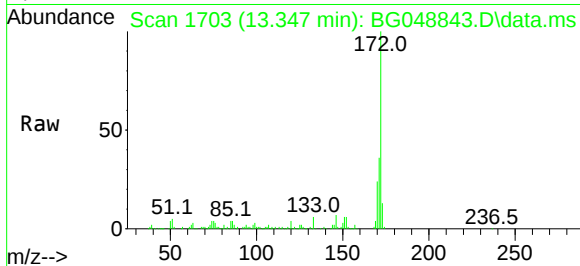




#41
Hexachlorocyclopentadiene
Concen: 5.93 ng
RT: 13.347 min Scan# 1703
Delta R.T. 0.456 min
Lab File: BG048843.D
Acq: 22 Apr 2021 12:20

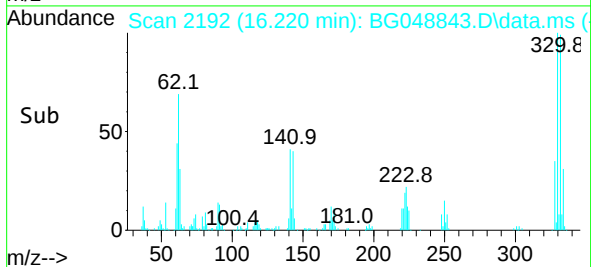
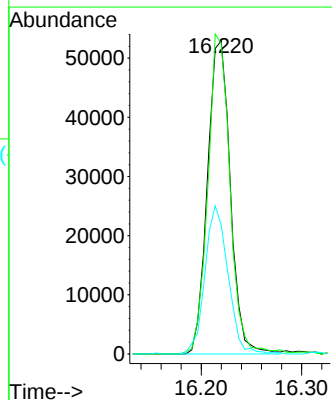
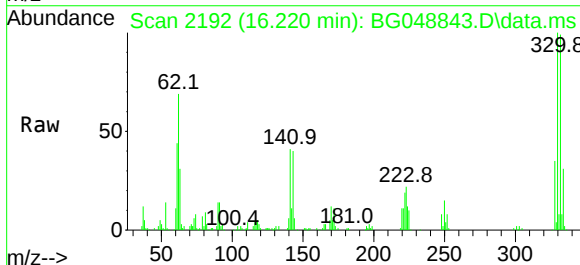
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ClientSampleId :
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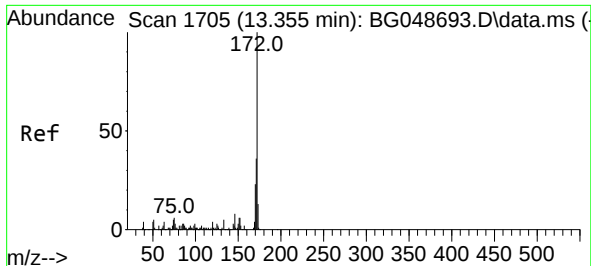
Tgt Ion:237 Resp: 79
Ion Ratio Lower Upper
237 100
235 0.0 36.6 76.6#
272 0.0 0.0 32.5



#42
2,4,6-Tribromophenol
Concen: 107.50 ng
RT: 16.220 min Scan# 2192
Delta R.T. 0.003 min
Lab File: BG048843.D
Acq: 22 Apr 2021 12:20

Tgt Ion:330 Resp: 83896
Ion Ratio Lower Upper
330 100
332 98.7 77.3 115.9
141 47.5 35.6 53.4

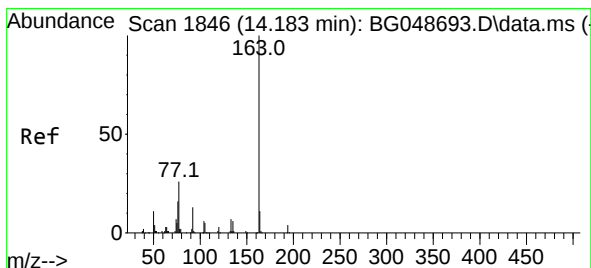
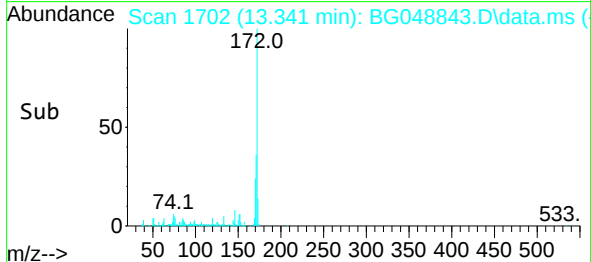
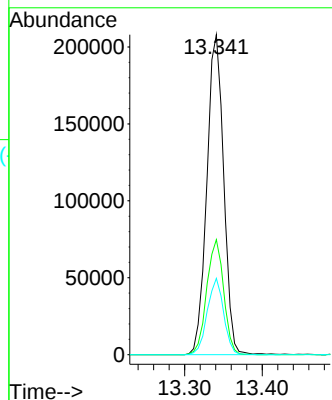
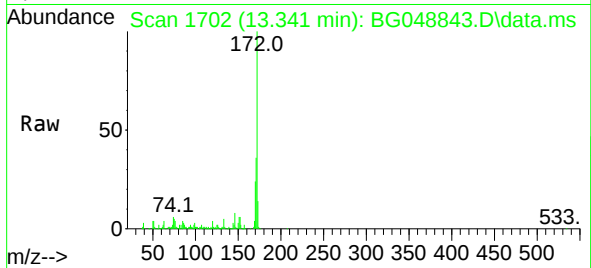




#45
2-Fluorobiphenyl
Concen: 77.87 ng
RT: 13.341 min Scan# 1702
Delta R.T. -0.002 min
Lab File: BG048843.D
Acq: 22 Apr 2021 12:20

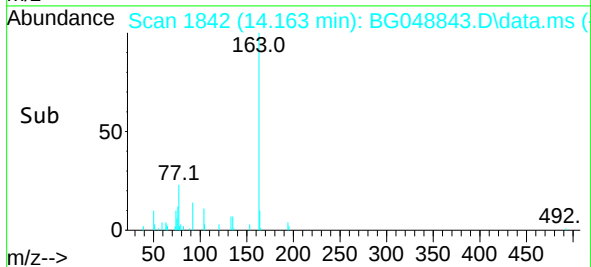
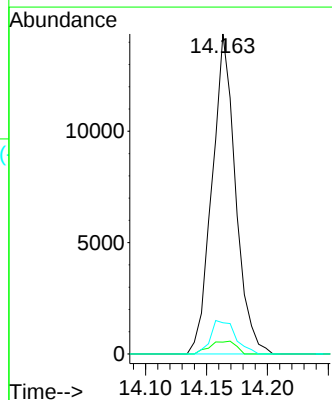
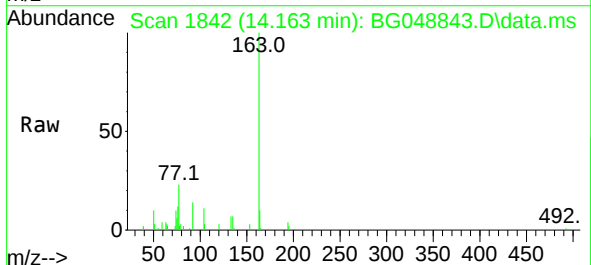
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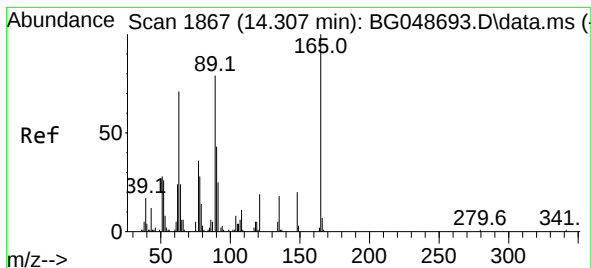
Tgt Ion:172 Resp: 313866
Ion Ratio Lower Upper
172 100
171 35.9 28.6 43.0
170 23.9 18.6 27.8



#50
Dimethylphthalate
Concen: 4.41 ng
RT: 14.163 min Scan# 1842
Delta R.T. -0.008 min
Lab File: BG048843.D
Acq: 22 Apr 2021 12:20

Tgt Ion:163 Resp: 19261
Ion Ratio Lower Upper
163 100
194 3.7 3.0 4.6
164 9.7 8.6 12.8

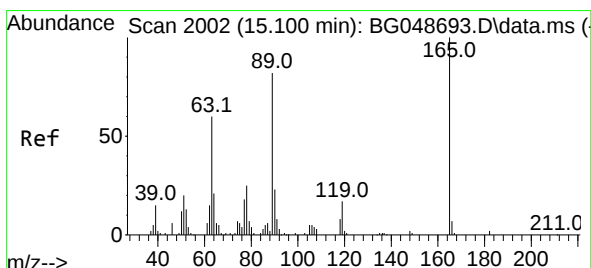
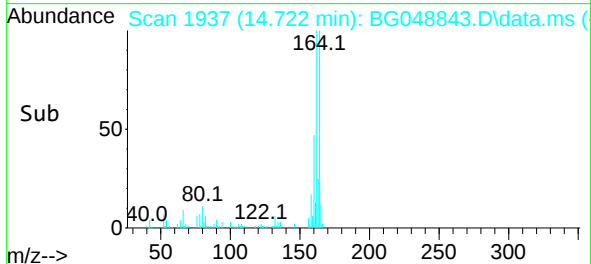
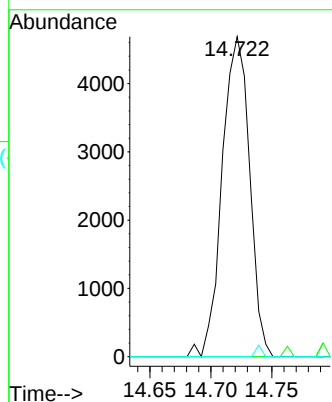
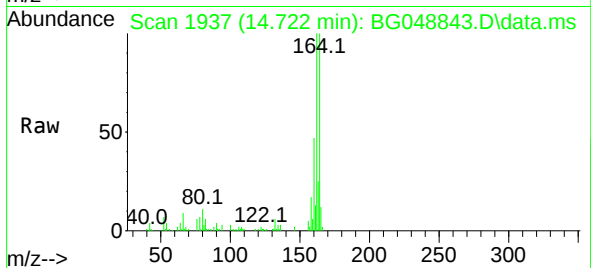




#51
2,6-Dinitrotoluene
Concen: 7.28 ng
RT: 14.722 min Scan# 1937
Delta R.T. 0.427 min
Lab File: BG048843.D
Acq: 22 Apr 2021 12:20

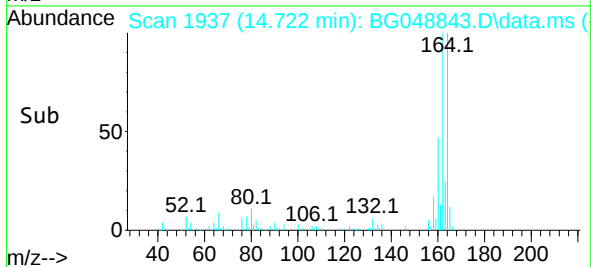
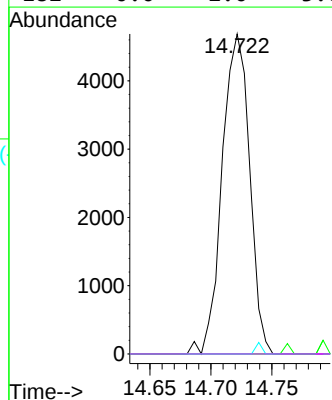
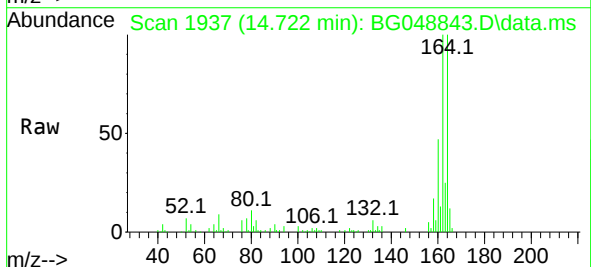
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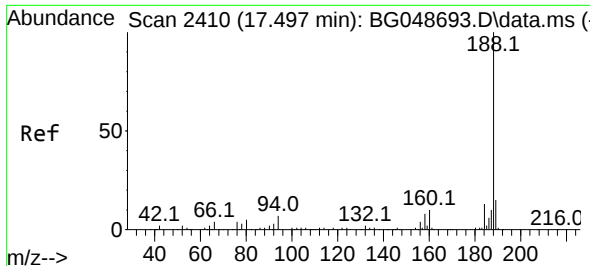
Tgt Ion:165 Resp: 7331
Ion Ratio Lower Upper
165 100
63 0.0 63.3 94.9#
89 0.0 63.4 95.0#



#57
2,4-Dinitrotoluene
Concen: 5.01 ng
RT: 14.722 min Scan# 1937
Delta R.T. -0.361 min
Lab File: BG048843.D
Acq: 22 Apr 2021 12:20

Tgt Ion:165 Resp: 7331
Ion Ratio Lower Upper
165 100
63 0.0 48.0 72.0#
89 0.0 65.4 98.0#
182 0.0 2.0 3.0#

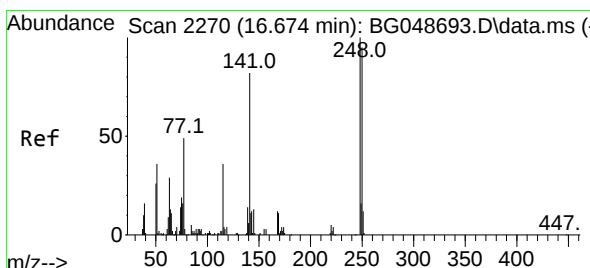
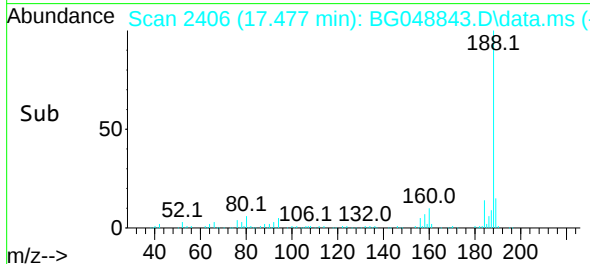
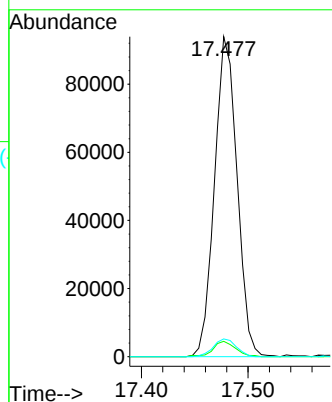
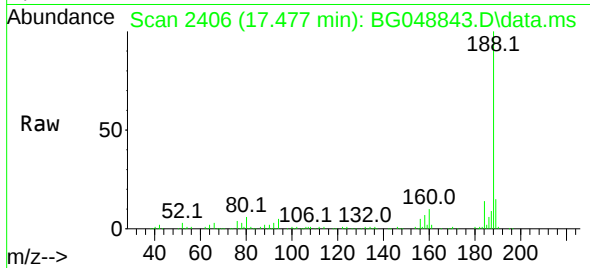




#64
Phenanthrene-d10
Concen: 20.00 ng
RT: 17.477 min Scan# 2406
Delta R.T. -0.002 min
Lab File: BG048843.D
Acq: 22 Apr 2021 12:20

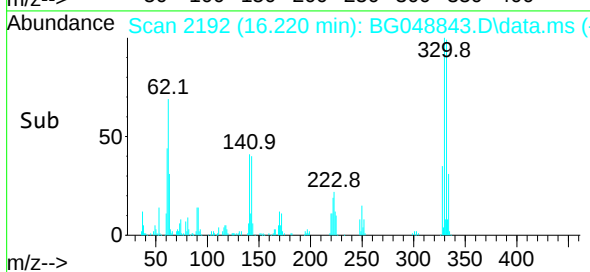
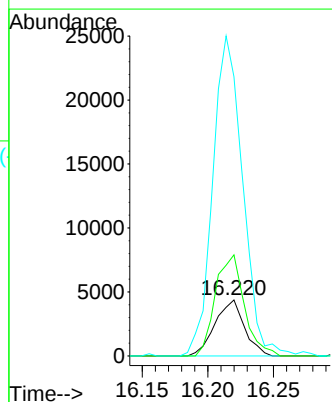
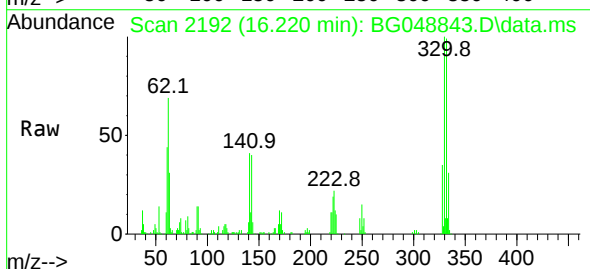
Instrument :
BNA_G
ClientSampleId :
FS-SB12A(7-8)

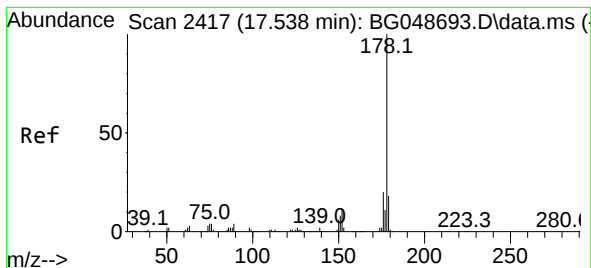
Tgt Ion:188 Resp: 137876
Ion Ratio Lower Upper
188 100
94 4.8 5.4 8.0#
80 5.6 3.7 5.5#



#67
4-Bromophenyl-phenylether
Concen: 4.30 ng
RT: 16.220 min Scan# 2192
Delta R.T. -0.443 min
Lab File: BG048843.D
Acq: 22 Apr 2021 12:20

Tgt Ion:248 Resp: 6816
Ion Ratio Lower Upper
248 100
250 180.8 76.1 114.1#
141 498.8 65.4 98.2#

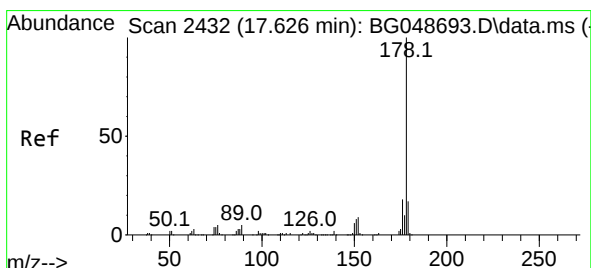
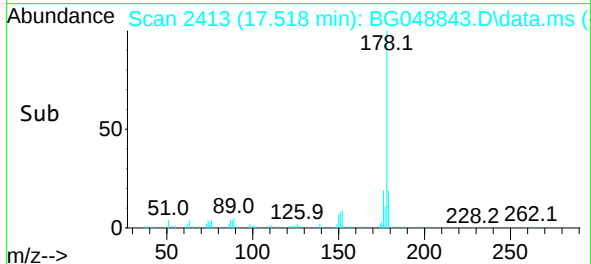
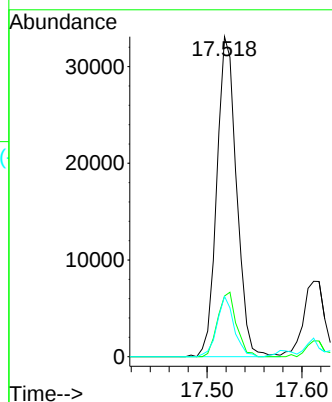
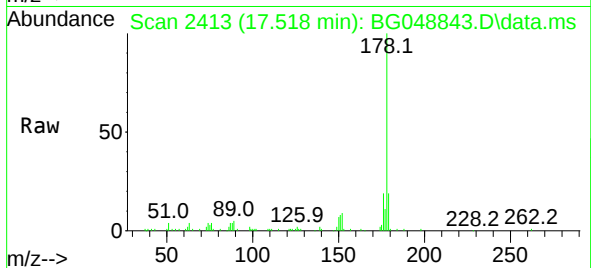




#71
Phenanthrene
Concen: 6.69 ng
RT: 17.518 min Scan# 2413
Delta R.T. -0.002 min
Lab File: BG048843.D
Acq: 22 Apr 2021 12:20

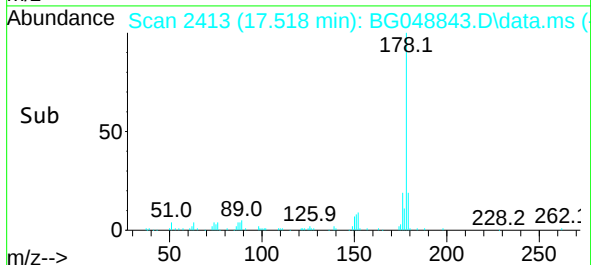
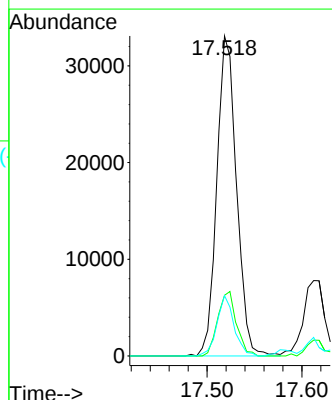
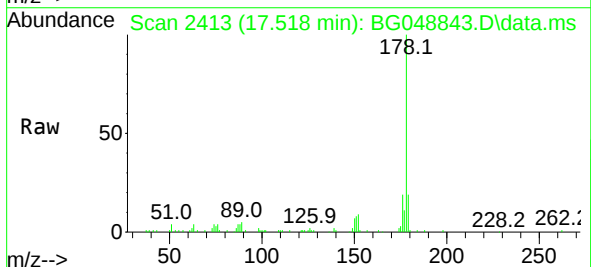
Instrument :
BNA_G
ClientSampleId :
FS-SB12A(7-8)

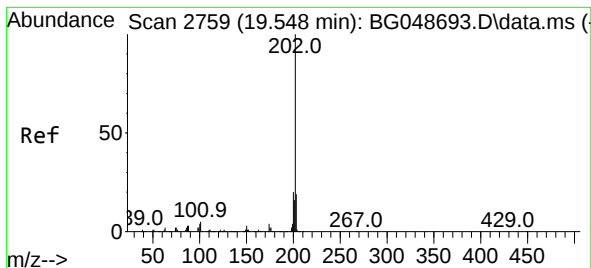
Tgt Ion:178 Resp: 47892
Ion Ratio Lower Upper
178 100
176 18.9 16.0 24.0
179 18.8 14.2 21.4



#72
Anthracene
Concen: 6.76 ng
RT: 17.518 min Scan# 2413
Delta R.T. -0.096 min
Lab File: BG048843.D
Acq: 22 Apr 2021 12:20

Tgt Ion:178 Resp: 47892
Ion Ratio Lower Upper
178 100
176 18.9 14.6 21.8
179 18.8 13.4 20.0

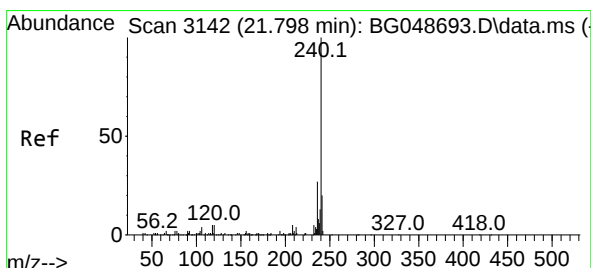
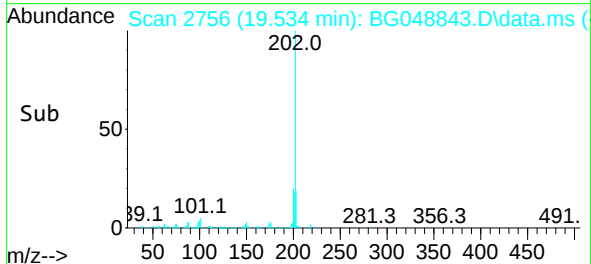
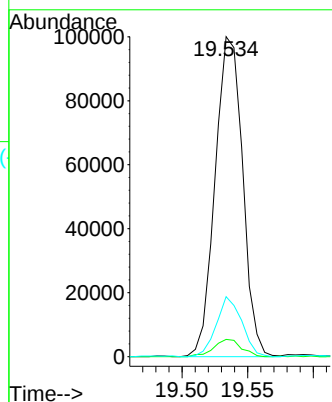
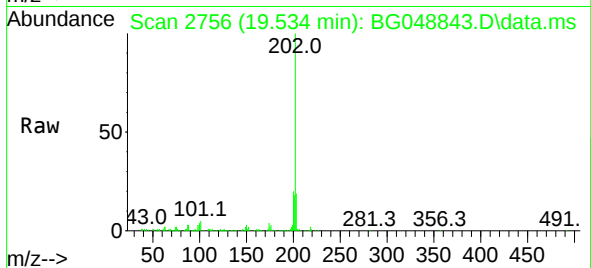




#75
Fluoranthene
Concen: 16.11 ng
RT: 19.534 min Scan# 2756
Delta R.T. -0.002 min
Lab File: BG048843.D
Acq: 22 Apr 2021 12:20

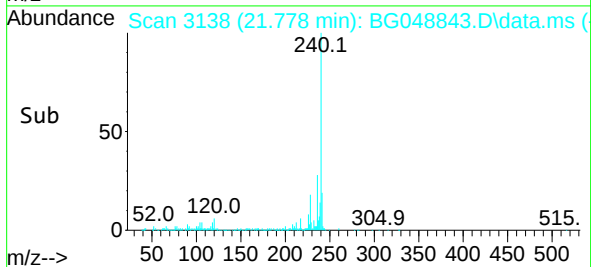
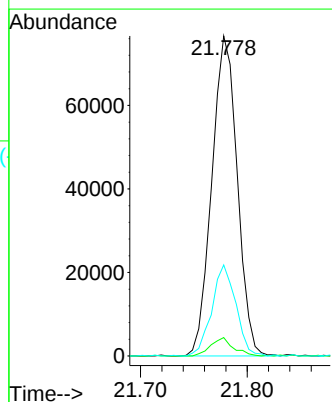
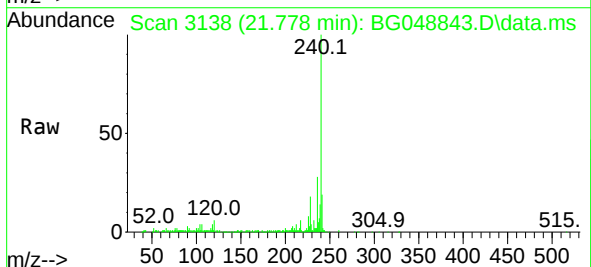
Instrument :
BNA_G
ClientSampleId :
FS-SB12A(7-8)

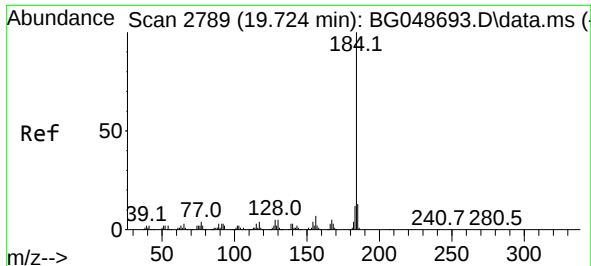
Tgt Ion:202 Resp: 145792
Ion Ratio Lower Upper
202 100
101 5.4 0.0 24.7
203 18.7 0.0 38.5



#76
Chrysene-d12
Concen: 20.00 ng
RT: 21.778 min Scan# 3138
Delta R.T. -0.002 min
Lab File: BG048843.D
Acq: 22 Apr 2021 12:20

Tgt Ion:240 Resp: 127015
Ion Ratio Lower Upper
240 100
120 5.7 4.2 6.2
236 28.5 21.8 32.6

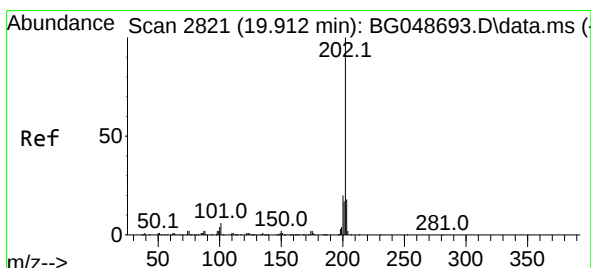
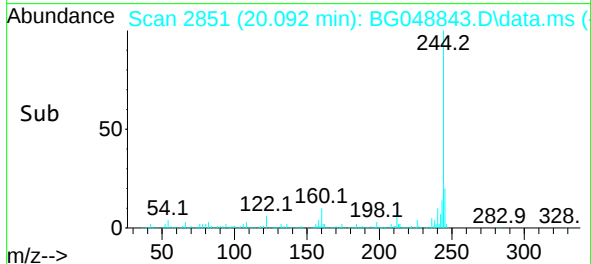
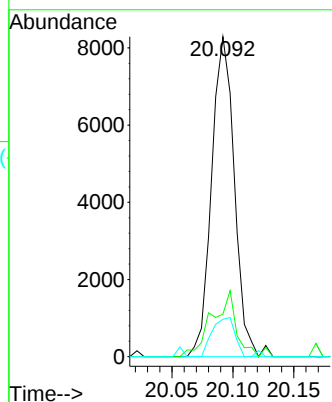
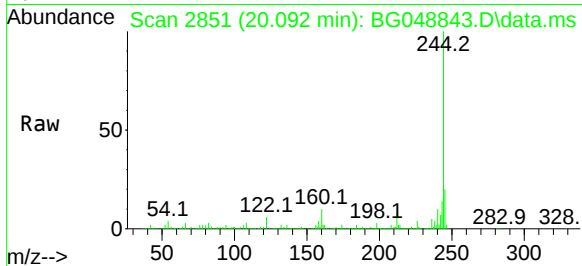




#77
Benzidine
Concen: 3.13 ng
RT: 20.092 min Scan# 2851
Delta R.T. 0.380 min
Lab File: BG048843.D
Acq: 22 Apr 2021 12:20

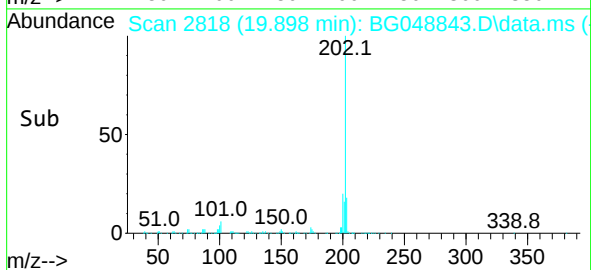
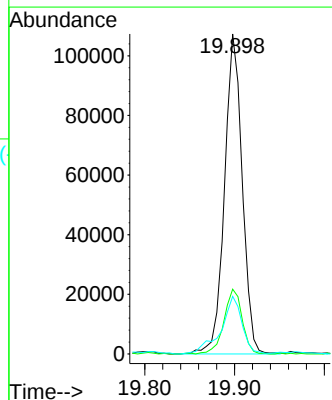
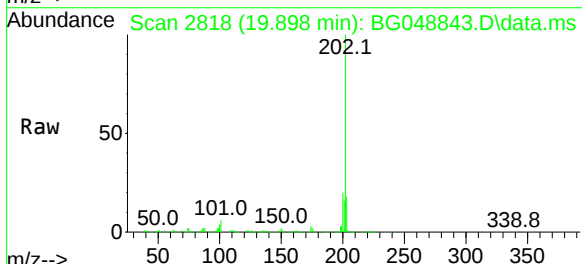
Instrument :
BNA_G
ClientSampleId :
FS-SB12A(7-8)

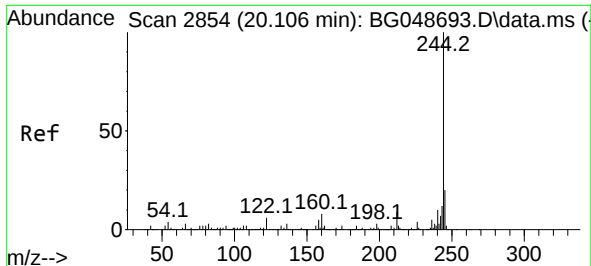
Tgt Ion:184	Resp:	10812
Ion Ratio	Lower	Upper
184	100	
185	13.3	10.7 16.1
183	11.7	9.4 14.0



#78
Pyrene
Concen: 16.77 ng
RT: 19.898 min Scan# 2818
Delta R.T. -0.002 min
Lab File: BG048843.D
Acq: 22 Apr 2021 12:20

Tgt Ion:202	Resp:	147357
Ion Ratio	Lower	Upper
202	100	
200	20.3	15.8 23.8
203	18.0	14.6 21.8

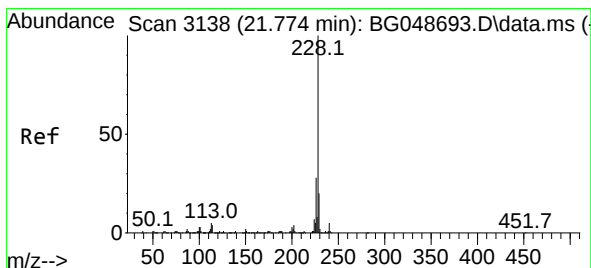
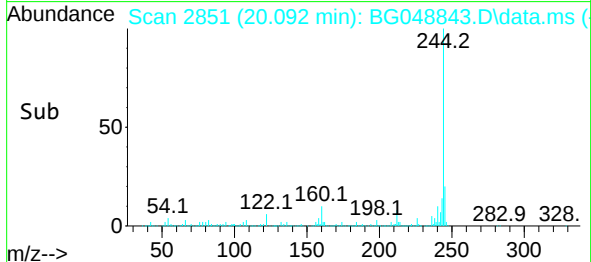
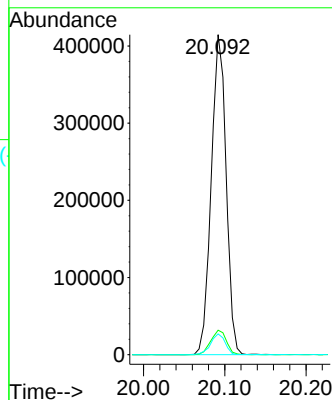
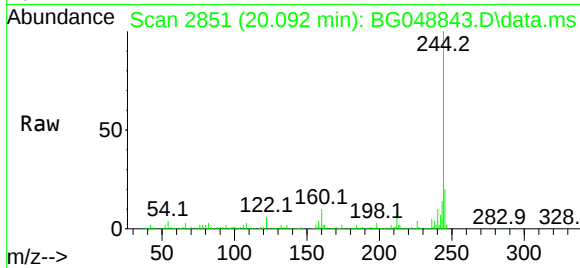




#79
 Terphenyl-d14
 Concen: 71.30 ng
 RT: 20.092 min Scan# 2851
 Delta R.T. -0.002 min
 Lab File: BG048843.D
 Acq: 22 Apr 2021 12:20

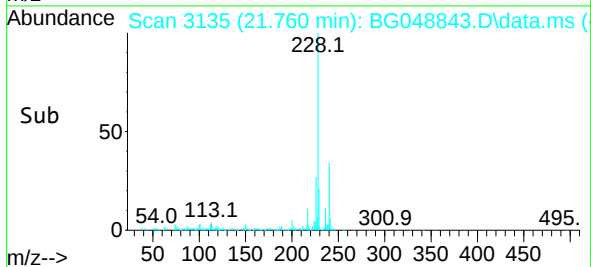
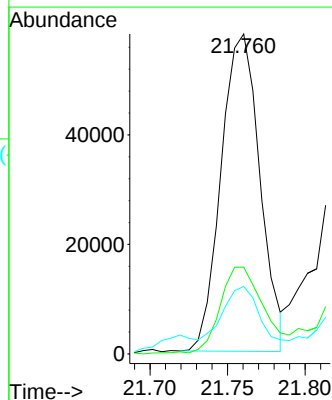
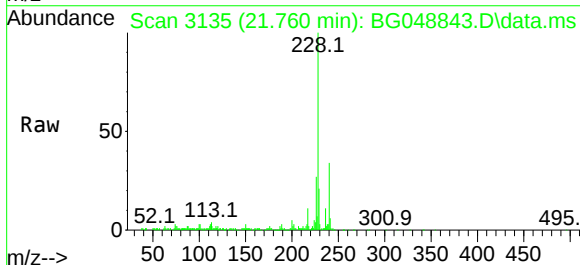
Instrument :
 BNA_G
 ClientSampleId :
 FS-SB12A(7-8)

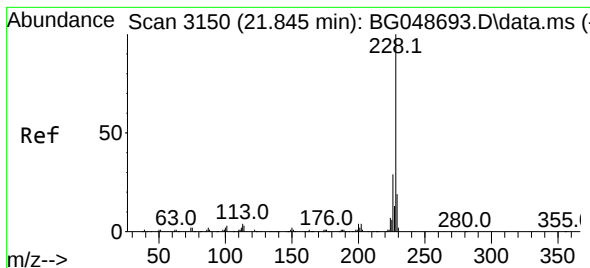
Tgt Ion:244 Resp: 526189
 Ion Ratio Lower Upper
 244 100
 212 7.7 6.9 10.3
 122 6.5 5.0 7.6



#81
 Benzo(a)anthracene
 Concen: 11.63 ng
 RT: 21.760 min Scan# 3135
 Delta R.T. 0.003 min
 Lab File: BG048843.D
 Acq: 22 Apr 2021 12:20

Tgt Ion:228 Resp: 100944
 Ion Ratio Lower Upper
 228 100
 226 27.1 22.7 34.1
 229 21.1 16.0 24.0





#83

Chrysene

Concen: 10.76 ng

RT: 21.825 min Scan# 3146

Delta R.T. -0.002 min

Lab File: BG048843.D

Acq: 22 Apr 2021 12:20

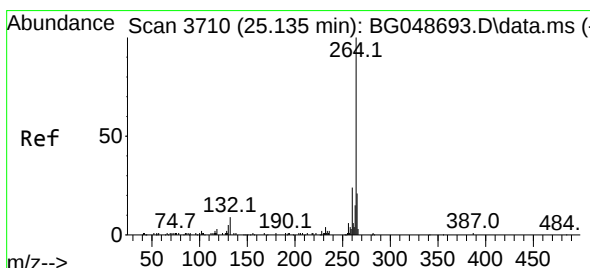
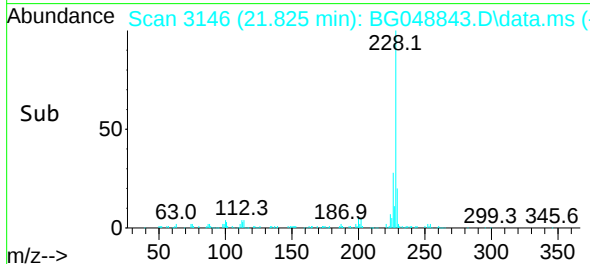
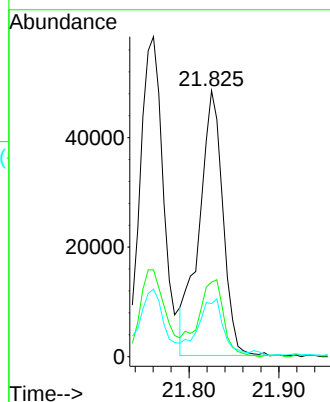
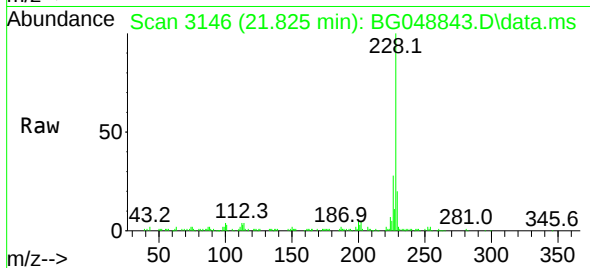
Tgt Ion:228	Resp:	88935
Ion Ratio	Lower	Upper
228	100	
226	28.1	23.1 34.7
229	20.0	15.3 22.9

Instrument :

BNA_G

ClientSampleId :

FS-SB12A(7-8)



#86

Perylene-d12

Concen: 20.00 ng

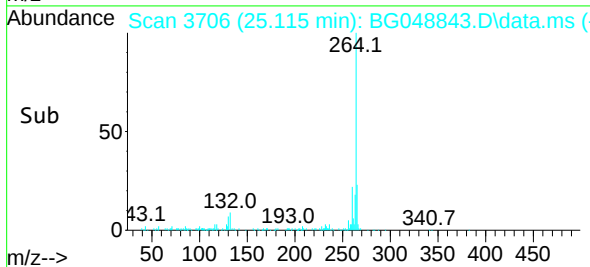
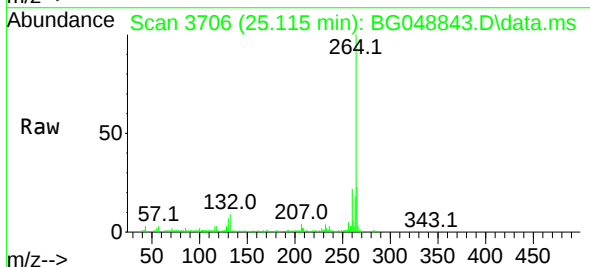
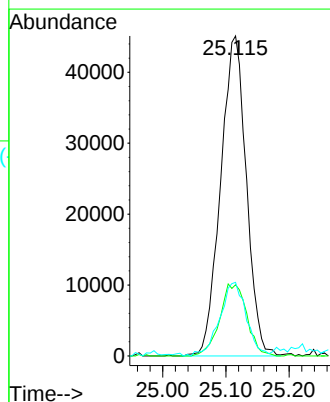
RT: 25.115 min Scan# 3706

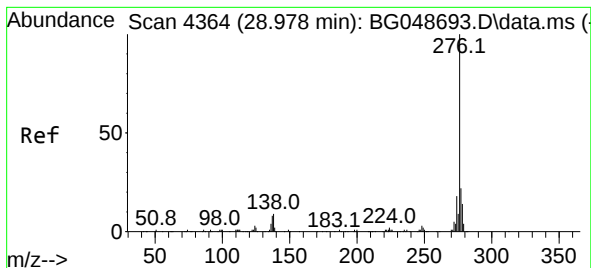
Delta R.T. 0.003 min

Lab File: BG048843.D

Acq: 22 Apr 2021 12:20

Tgt Ion:264	Resp:	127488
Ion Ratio	Lower	Upper
264	100	
260	22.2	19.4 29.2
265	23.0	16.9 25.3





#87

Indeno(1,2,3-cd)pyrene

Concen: 8.54 ng

RT: 28.940 min Scan# 4357

Delta R.T. 0.003 min

Lab File: BG048843.D

Acq: 22 Apr 2021 12:20

Tgt Ion:276 Resp: 79930

Ion Ratio Lower Upper

276 100

138 3.3 5.1 7.7#

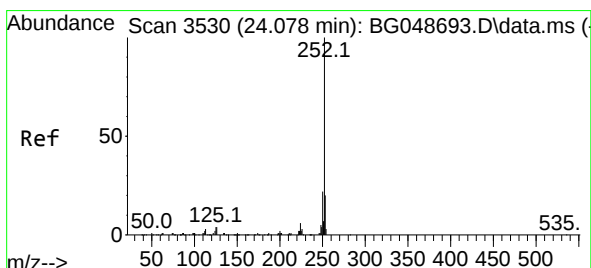
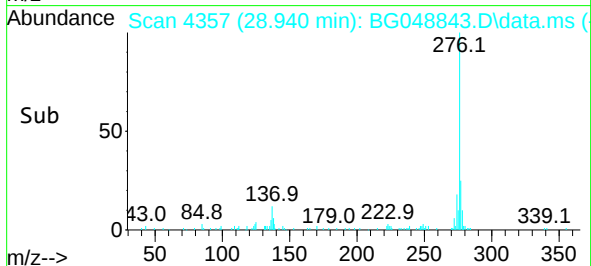
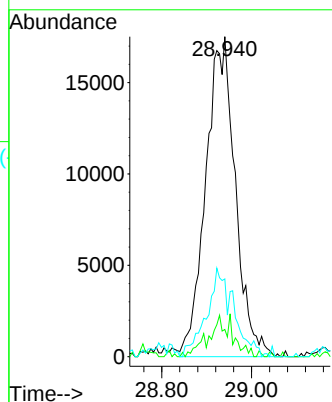
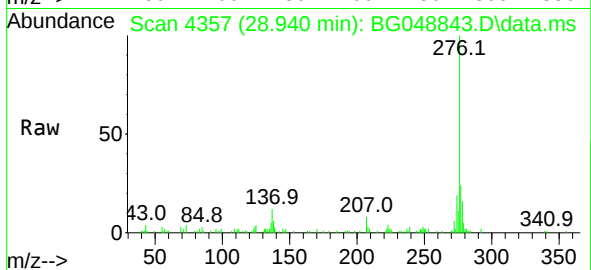
277 17.6 19.8 29.6#

Instrument :

BNA_G

ClientSampleId :

FS-SB12A(7-8)



#88

Benzo(b)fluoranthene

Concen: 16.73 ng

RT: 24.052 min Scan# 3525

Delta R.T. 0.003 min

Lab File: BG048843.D

Acq: 22 Apr 2021 12:20

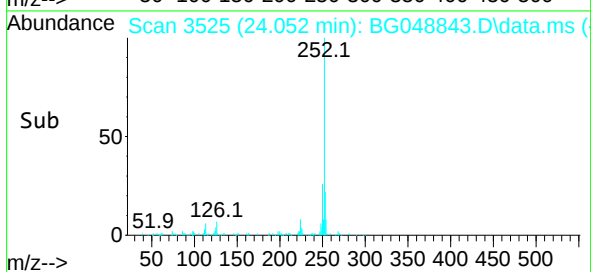
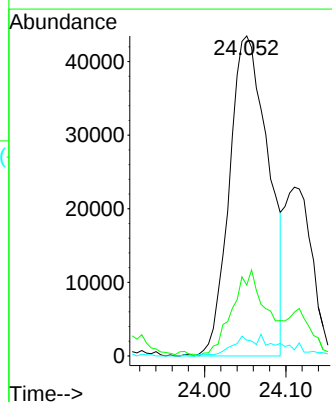
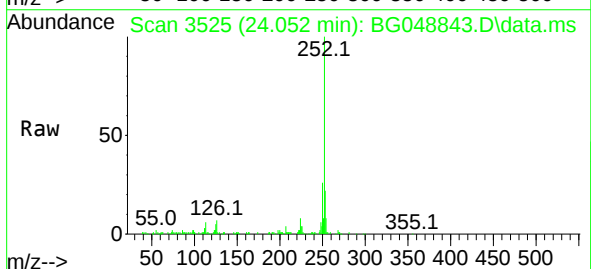
Tgt Ion:252 Resp: 144705

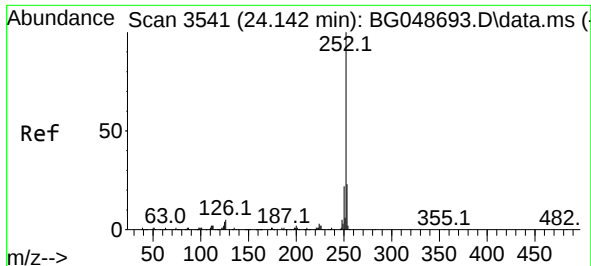
Ion Ratio Lower Upper

252 100

253 22.2 16.2 24.4

125 4.9 3.0 4.4#

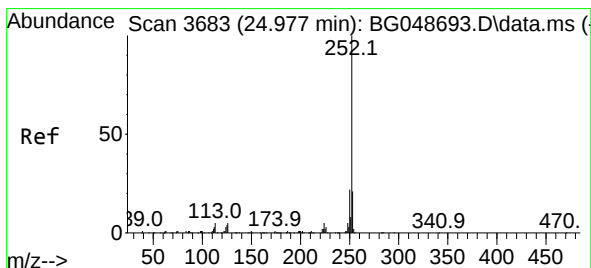
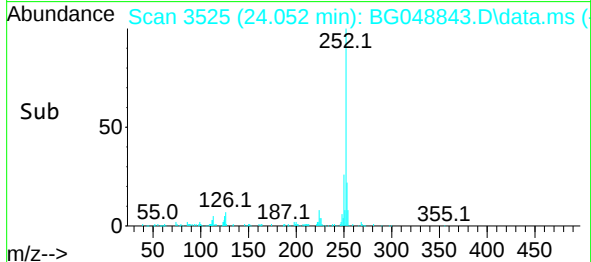
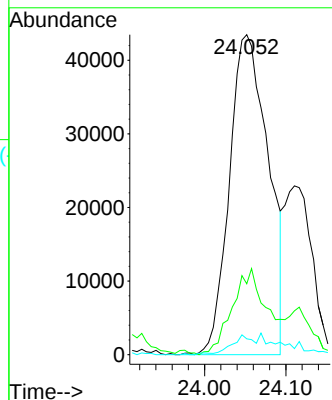
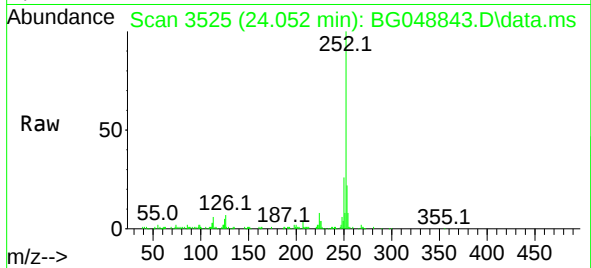




#89
Benzo(k)fluoranthene
Concen: 17.79 ng
RT: 24.052 min Scan# 3525
Delta R.T. -0.067 min
Lab File: BG048843.D
Acq: 22 Apr 2021 12:20

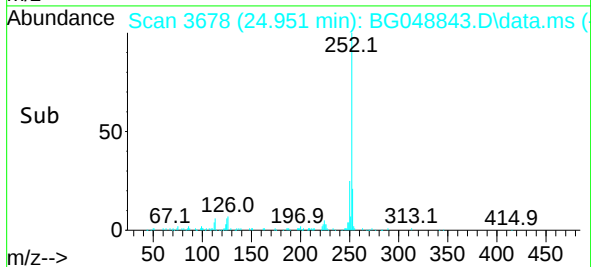
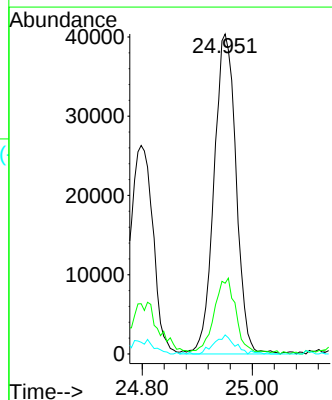
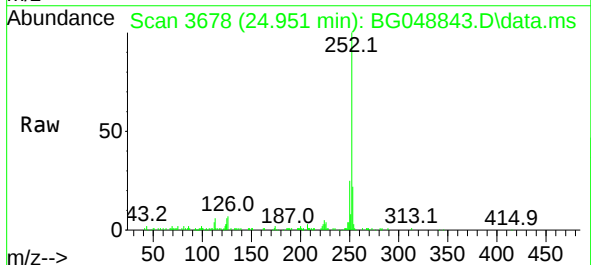
Instrument :
BNA_G
ClientSampleId :
FS-SB12A(7-8)

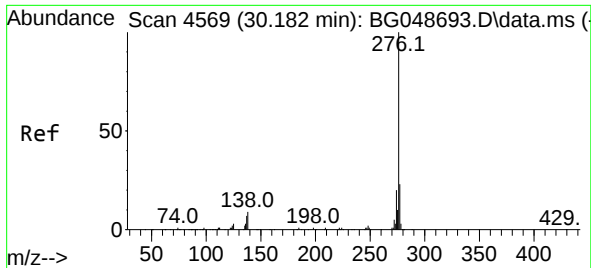
Tgt Ion:252 Resp: 144705
Ion Ratio Lower Upper
252 100
253 22.2 18.0 27.0
125 4.9 3.1 4.7#



#90
Benzo(a)pyrene
Concen: 14.13 ng
RT: 24.951 min Scan# 3678
Delta R.T. -0.002 min
Lab File: BG048843.D
Acq: 22 Apr 2021 12:20

Tgt Ion:252 Resp: 112618
Ion Ratio Lower Upper
252 100
253 22.1 16.6 25.0
125 6.0 3.5 5.3#





#92
 Benzo(g,h,i)perylene
 Concen: 9.65 ng
 RT: 30.121 min Scan# 4558
 Delta R.T. -0.008 min
 Lab File: BG048843.D
 Acq: 22 Apr 2021 12:20

Instrument :
 BNA_G
 ClientSampleId :
 FS-SB12A(7-8)

Tgt Ion:276 Resp: 76546
 Ion Ratio Lower Upper
 276 100
 277 21.2 18.4 27.6
 138 10.7 7.0 10.6#

