

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG042121\
 Data File : BG048836.D
 Acq On : 22 Apr 2021 2:10
 Operator : CG/JU
 Sample : M2042-05
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 FS-SB12A(55-56)

Quant Time: Apr 22 02:53:38 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)

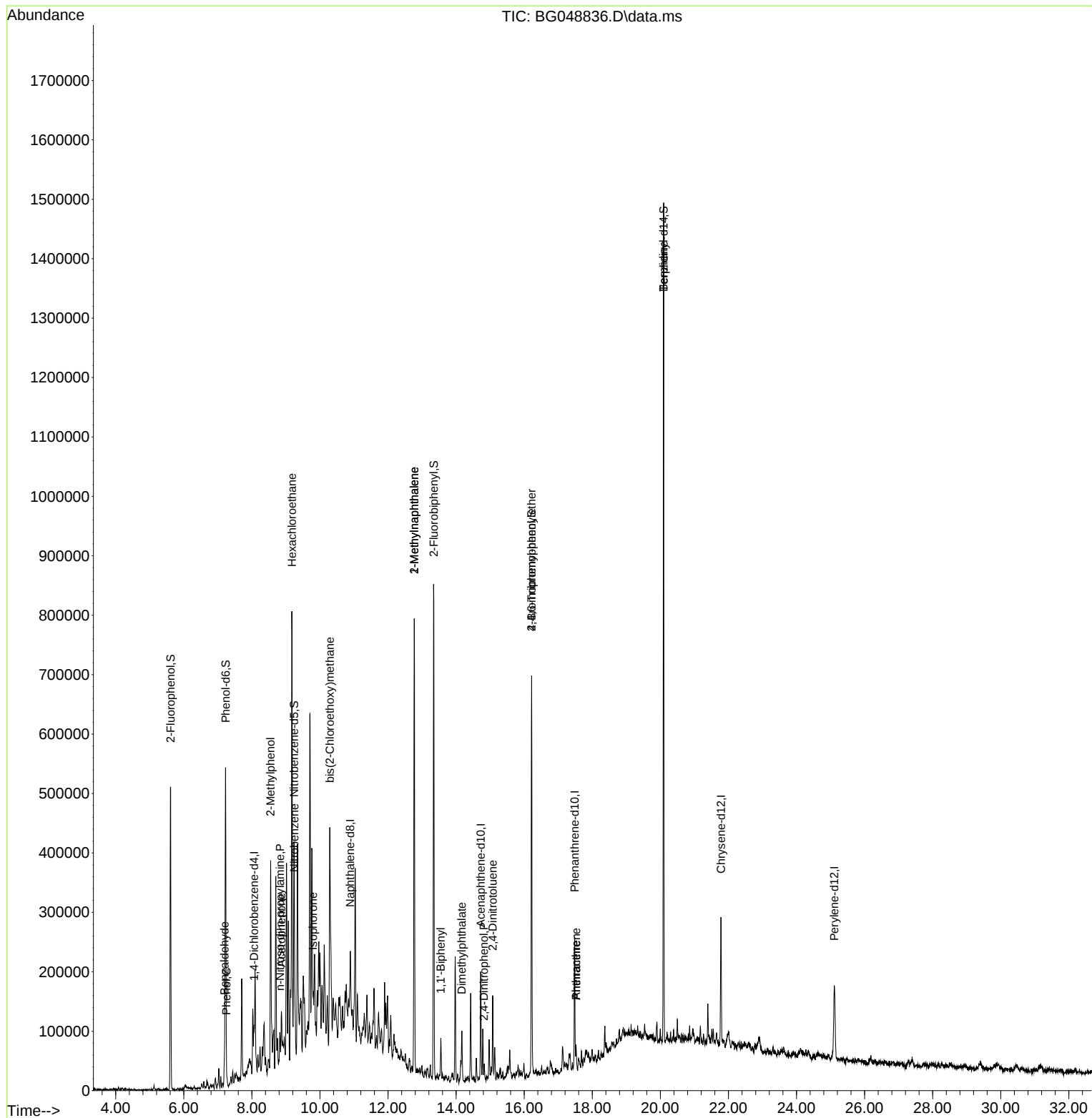
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.064	152	22818	20.00	ng	0.00
21) Naphthalene-d8	10.890	136	90165	20.00	ng	# 0.00
39) Acenaphthene-d10	14.721	164	62209	20.00	ng	0.00
64) Phenanthrene-d10	17.483	188	134724	20.00	ng	0.00
76) Chrysene-d12	21.783	240	130204	20.00	ng	0.00
86) Perylene-d12	25.109	264	128922	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.614	112	206015	151.00	ng	0.00
7) Phenol-d6	7.230	99	261201	135.35	ng	0.00
23) Nitrobenzene-d5	9.239	82	192204	95.44	ng	0.00
42) 2,4,6-Tribromophenol	16.219	330	108001	129.48	ng	0.00
45) 2-Fluorobiphenyl	13.346	172	393388	91.32	ng	0.00
79) Terphenyl-d14	20.097	244	600158	79.33	ng	0.00
Target Compounds						
						Qvalue
9) Benzaldehyde	7.200	77	3872	3.03	ng	# 1
10) Phenol	7.253	94	4734	2.49	ng	92
17) 2-Methylphenol	8.552	107	3173	2.62	ng	# 1
18) Hexachloroethane	9.175	117	68900	103.44	ng	# 1
19) n-Nitroso-di-n-propyla...	8.828	70	2878	2.21	ng	# 46
22) Acetophenone	8.869	105	57508	24.50	ng	# 53
24) Nitrobenzene	9.251	77	4606	2.29	ng	# 73
25) Isophorone	9.797	82	7238	2.03	ng	# 1
28) bis(2-Chloroethoxy)met...	10.291	93	4468	2.88	ng	# 20
37) 2-Methylnaphthalene	12.770	142	332697	89.99	ng	92
38) 1-Methylnaphthalene	12.770	142	332697	96.72	ng	93
46) 1,1'-Biphenyl	13.552	154	31663	6.89	ng	96
50) Dimethylphthalate	14.163	163	21650	4.64	ng	99
54) 2,4-Dinitrophenol	14.821	184	61	5.37	ng	# 1
57) 2,4-Dinitrotoluene	15.074	165	3770	2.41	ng	# 63
67) 4-Bromophenyl-phenylether	16.219	248	8630	5.57	ng	# 1
71) Phenanthrene	17.524	178	23036	3.29	ng	# 94
72) Anthracene	17.524	178	23036	3.33	ng	97
77) Benzdine	20.097	184	12533	3.54	ng	95

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

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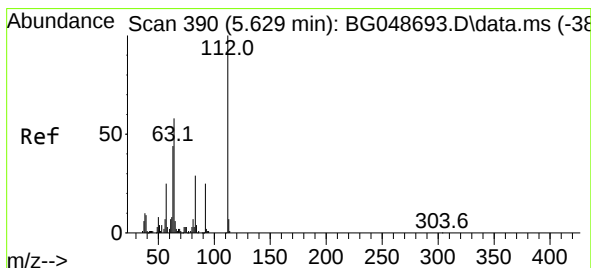
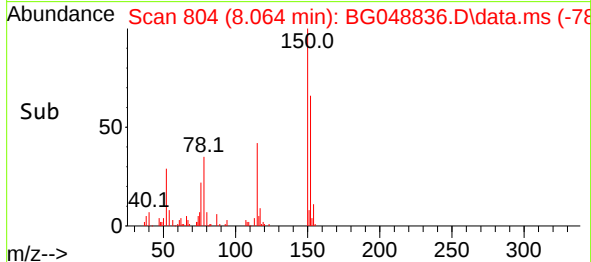
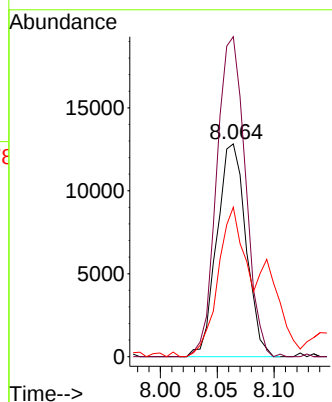
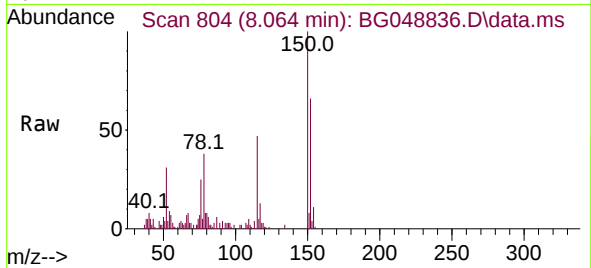




#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 8.064 min Scan# 804
Delta R.T. 0.003 min
Lab File: BG048836.D
Acq: 22 Apr 2021 2:10

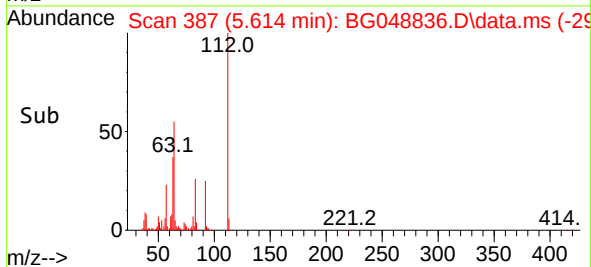
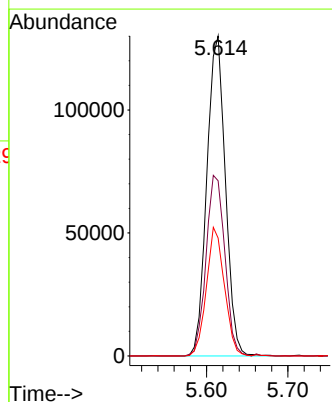
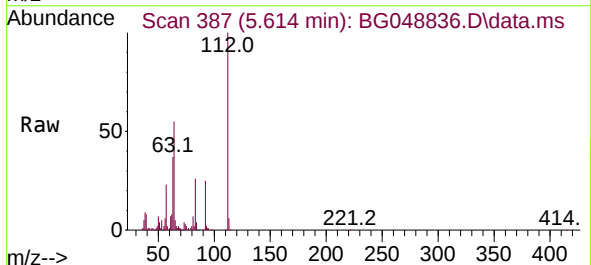
Instrument :
BNA_G
ClientSampleId :
FS-SB12A(55-56)

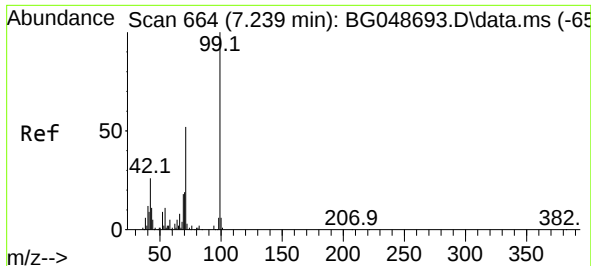
Tgt Ion:152 Resp: 22818
Ion Ratio Lower Upper
152 100
150 150.4 119.4 179.0
115 70.3 60.2 90.4



#5
2-Fluorophenol
Concen: 151.00 ng
RT: 5.614 min Scan# 387
Delta R.T. 0.009 min
Lab File: BG048836.D
Acq: 22 Apr 2021 2:10

Tgt Ion:112 Resp: 206015
Ion Ratio Lower Upper
112 100
64 54.8 46.7 70.1
63 36.9 35.3 52.9

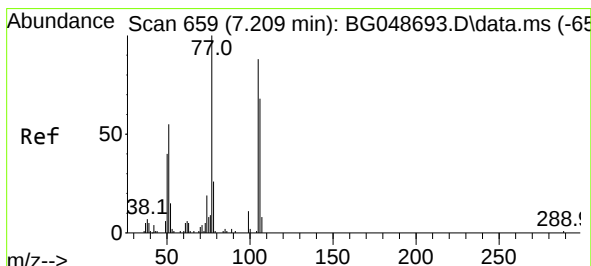
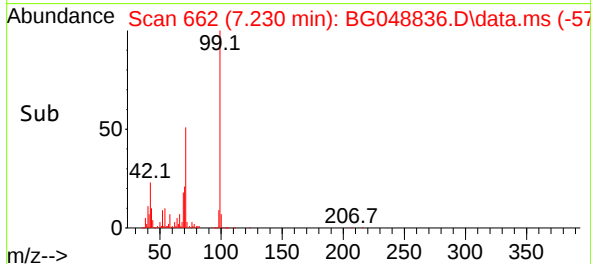
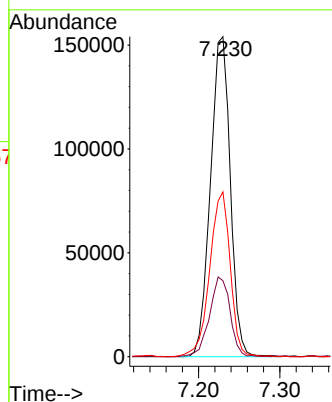
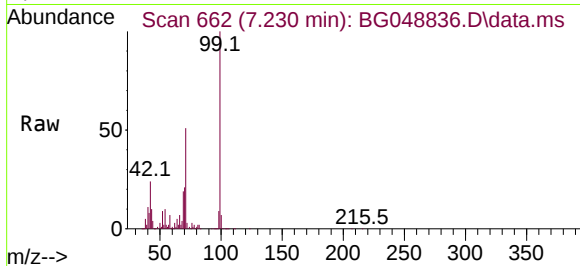




#7
Phenol-d6
Concen: 135.35 ng
RT: 7.230 min Scan# 662
Delta R.T. 0.009 min
Lab File: BG048836.D
Acq: 22 Apr 2021 2:10

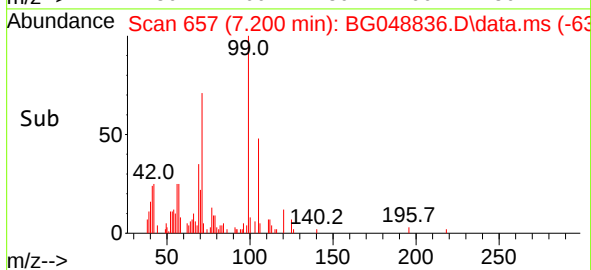
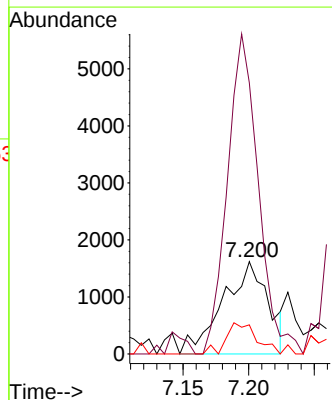
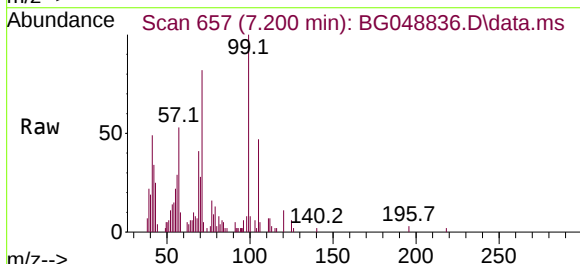
Instrument :
BNA_G
ClientSampleId :
FS-SB12A(55-56)

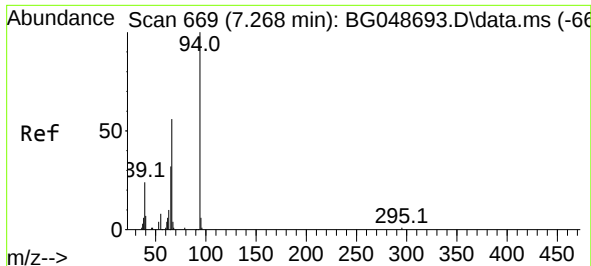
Tgt Ion: 99 Resp: 261201
Ion Ratio Lower Upper
99 100
42 23.7 20.5 30.7
71 51.5 41.5 62.3



#9
Benzaldehyde
Concen: 3.03 ng
RT: 7.200 min Scan# 657
Delta R.T. 0.009 min
Lab File: BG048836.D
Acq: 22 Apr 2021 2:10

Tgt Ion: 77 Resp: 3872
Ion Ratio Lower Upper
77 100
105 293.6 68.8 108.8#
106 31.6 47.9 87.9#

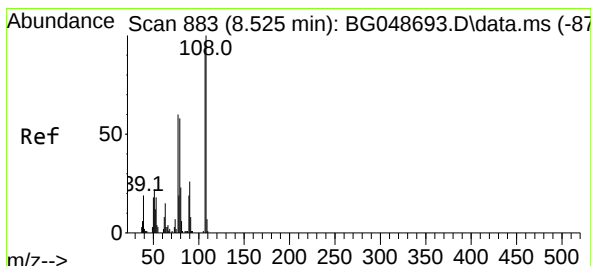
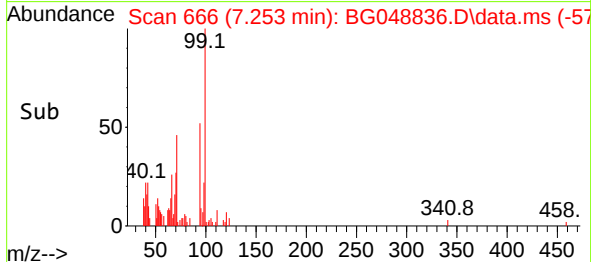
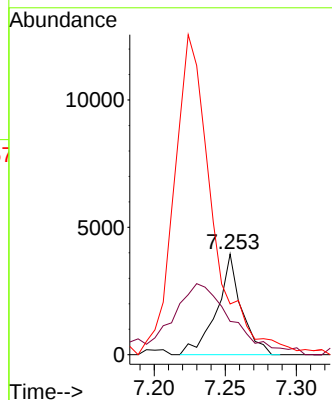
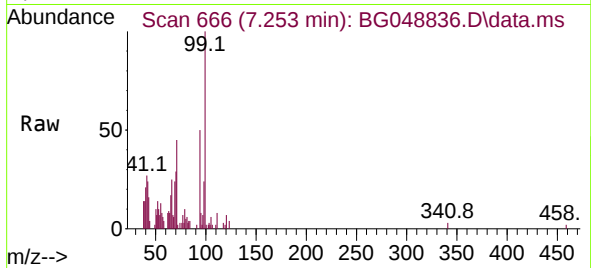




#10
Phenol
Concen: 2.49 ng
RT: 7.253 min Scan# 666
Delta R.T. 0.003 min
Lab File: BG048836.D
Acq: 22 Apr 2021 2:10

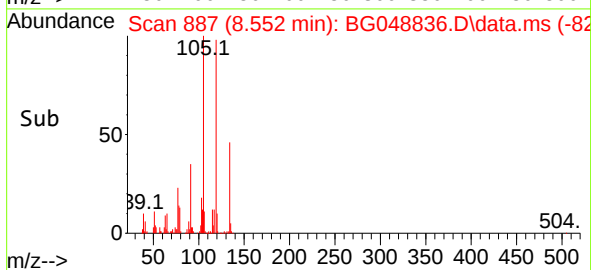
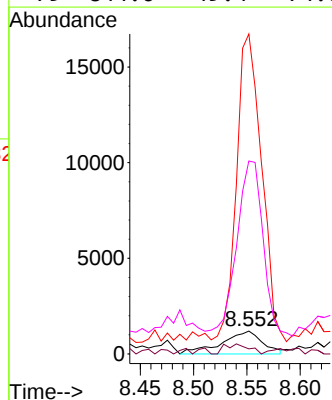
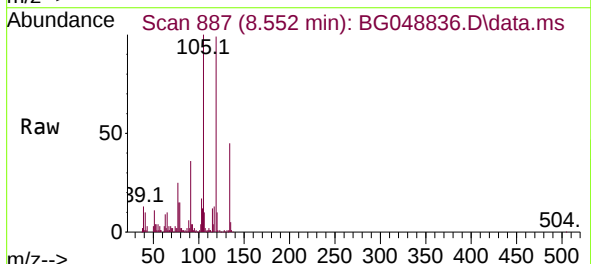
Instrument :
BNA_G
ClientSampleId :
FS-SB12A(55-56)

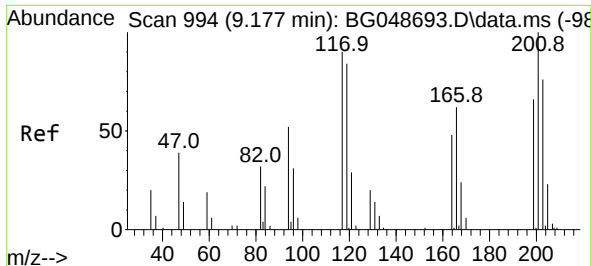
Tgt Ion: 94 Resp: 4734
Ion Ratio Lower Upper
94 100
65 33.0 12.9 52.9
66 50.3 39.4 79.4



#17
2-Methylphenol
Concen: 2.62 ng
RT: 8.552 min Scan# 887
Delta R.T. 0.038 min
Lab File: BG048836.D
Acq: 22 Apr 2021 2:10

Tgt Ion:107 Resp: 3173
Ion Ratio Lower Upper
107 100
108 22.3 84.6 127.0#
77 1401.0 50.7 76.1#
79 844.6 49.4 74.0#

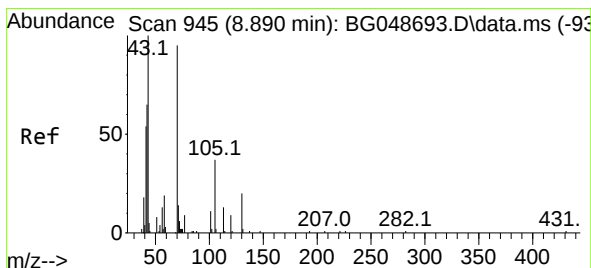
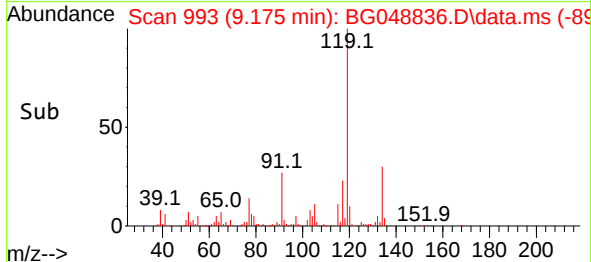
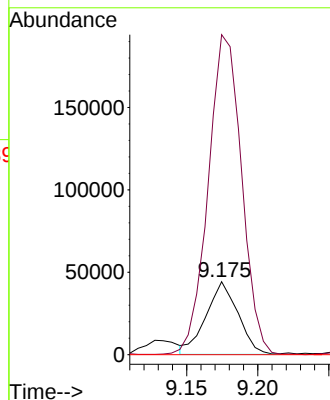
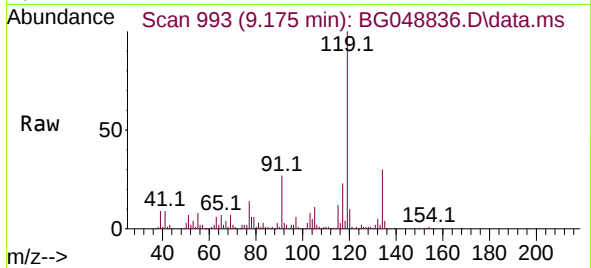




#18
Hexachloroethane
Concen: 103.44 ng
RT: 9.175 min Scan# 993
Delta R.T. 0.021 min
Lab File: BG048836.D
Acq: 22 Apr 2021 2:10

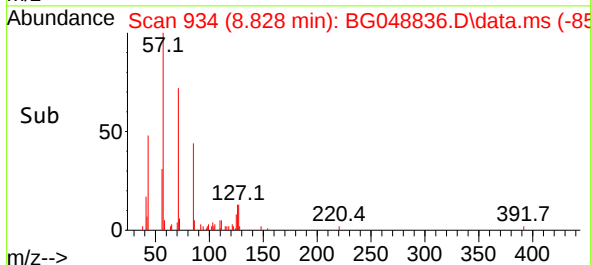
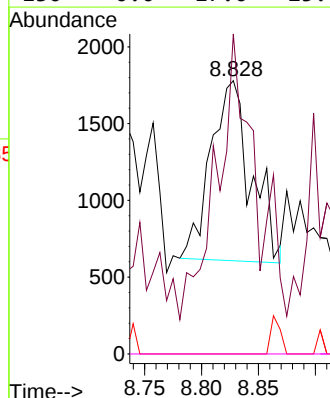
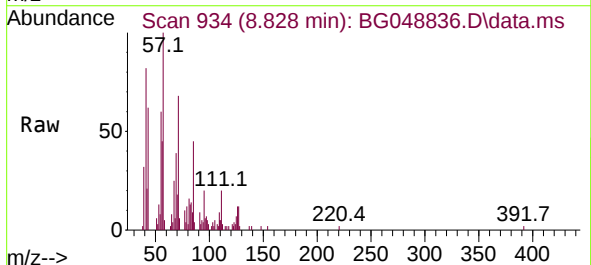
Instrument :
BNA_G
ClientSampleId :
FS-SB12A(55-56)

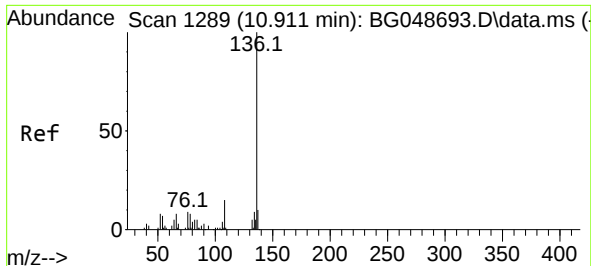
Tgt Ion:117 Resp: 68900
Ion Ratio Lower Upper
117 100
119 438.5 74.4 111.6#
201 0.0 88.6 133.0#



#19
n-Nitroso-di-n-propylamine
Concen: 2.21 ng
RT: 8.828 min Scan# 934
Delta R.T. -0.044 min
Lab File: BG048836.D
Acq: 22 Apr 2021 2:10

Tgt Ion: 70 Resp: 2878
Ion Ratio Lower Upper
70 100
42 117.1 54.5 81.7#
101 0.0 9.0 13.6#
130 0.0 17.0 25.6#

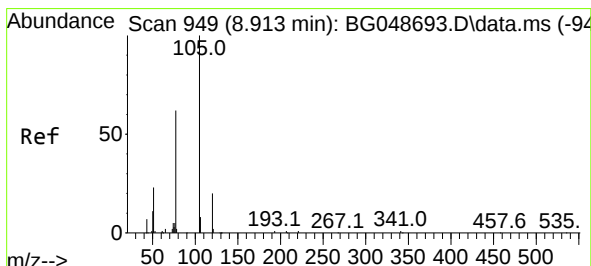
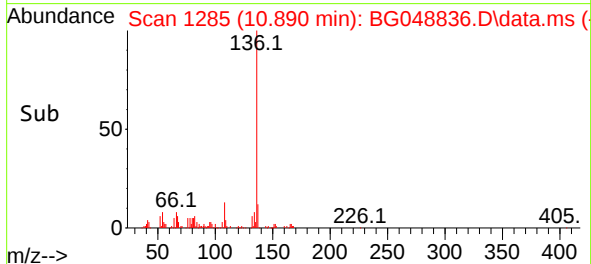
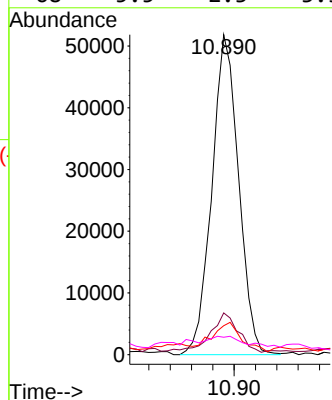
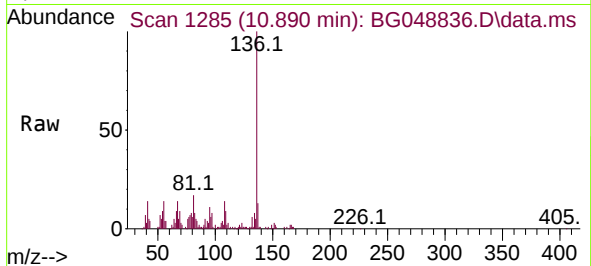




#21
Naphthalene-d8
Concen: 20.00 ng
RT: 10.890 min Scan# 1285
Delta R.T. -0.003 min
Lab File: BG048836.D
Acq: 22 Apr 2021 2:10

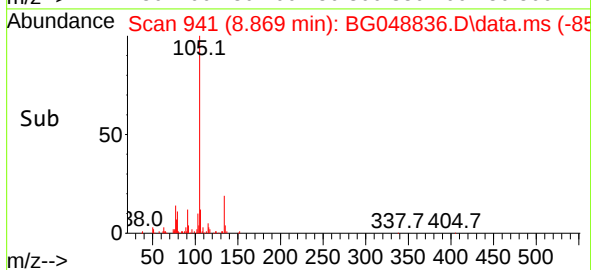
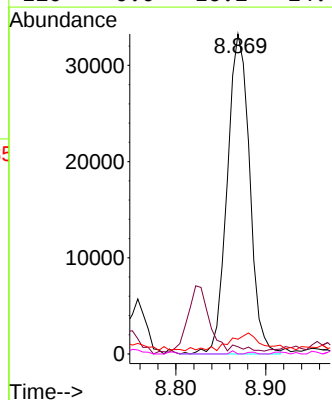
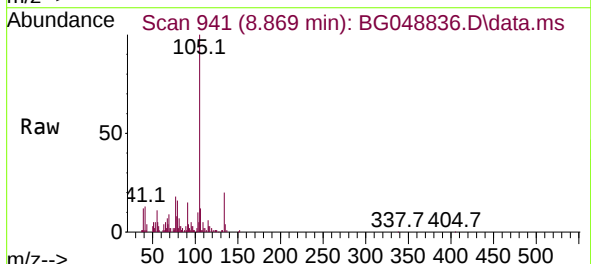
Instrument :
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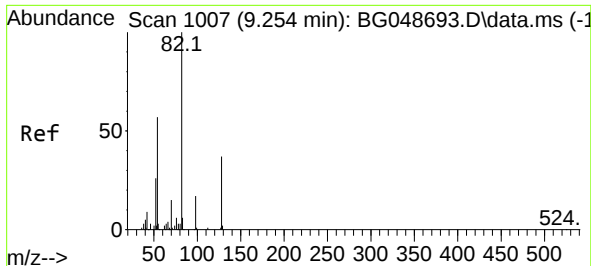
Tgt Ion:	136	Resp:	90165
Ion Ratio	Lower	Upper	
136	100		
137	13.1	8.2	12.2#
54	9.0	5.5	8.3#
68	5.5	2.3	3.5#



#22
Acetophenone
Concen: 24.50 ng
RT: 8.869 min Scan# 941
Delta R.T. -0.021 min
Lab File: BG048836.D
Acq: 22 Apr 2021 2:10

Tgt Ion:	105	Resp:	57508
Ion Ratio	Lower	Upper	
105	100		
71	2.3	0.6	0.8#
51	4.6	26.6	40.0#
120	0.0	16.2	24.4#

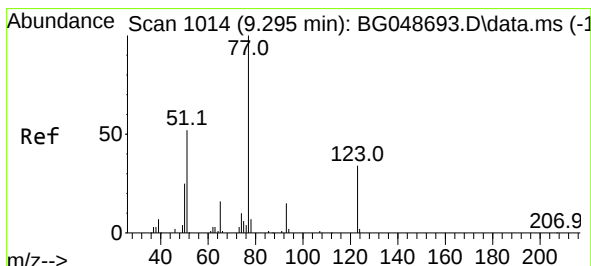
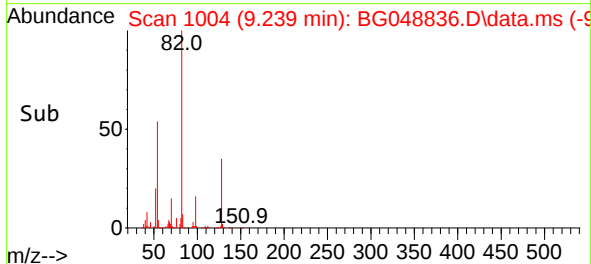
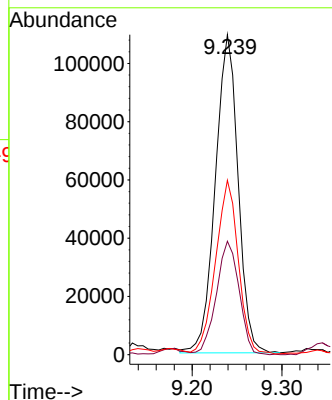
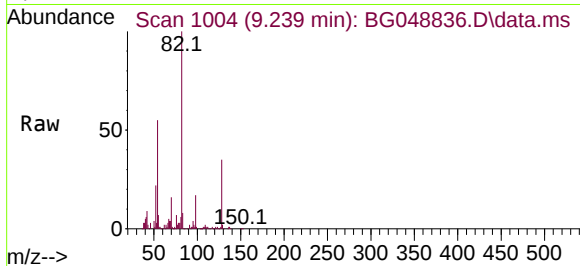




#23
Nitrobenzene-d5
Concen: 95.44 ng
RT: 9.239 min Scan# 1004
Delta R.T. 0.003 min
Lab File: BG048836.D
Acq: 22 Apr 2021 2:10

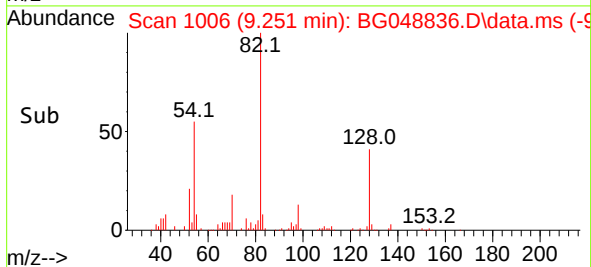
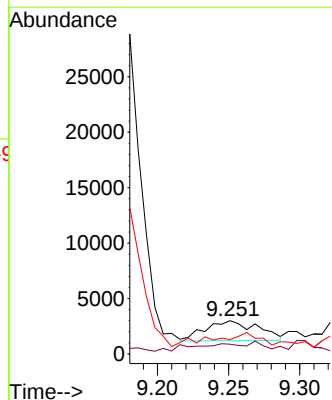
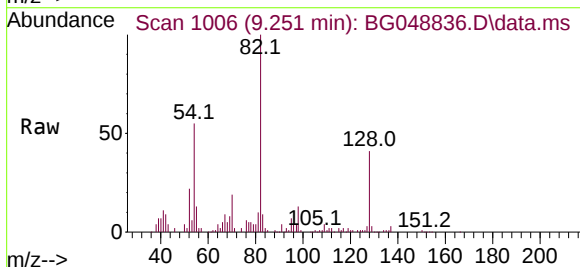
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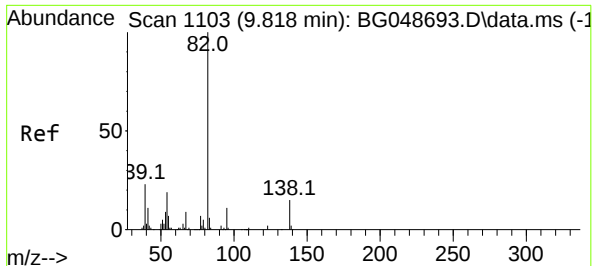
Tgt Ion: 82 Resp: 192204
Ion Ratio Lower Upper
82 100
128 35.4 29.8 44.6
54 54.5 45.8 68.8



#24
Nitrobenzene
Concen: 2.29 ng
RT: 9.251 min Scan# 1006
Delta R.T. -0.026 min
Lab File: BG048836.D
Acq: 22 Apr 2021 2:10

Tgt Ion: 77 Resp: 4606
Ion Ratio Lower Upper
77 100
123 29.1 27.5 41.3
65 43.1 12.6 18.8#





#25

Isophorone

Concen: 2.03 ng

RT: 9.797 min Scan# 1099

Delta R.T. -0.003 min

Lab File: BG048836.D

Acq: 22 Apr 2021 2:10

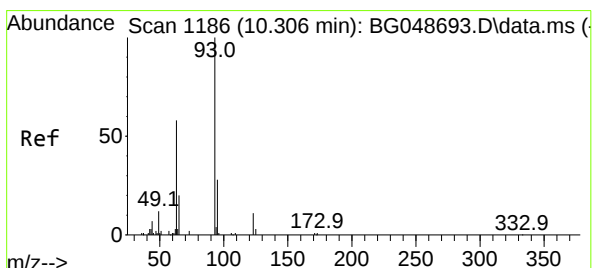
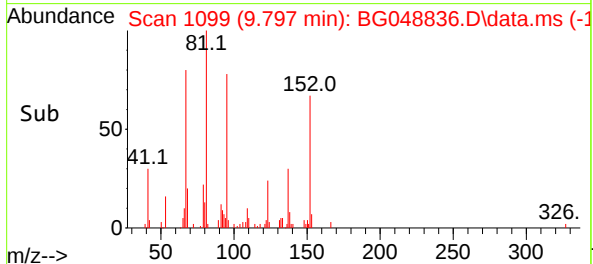
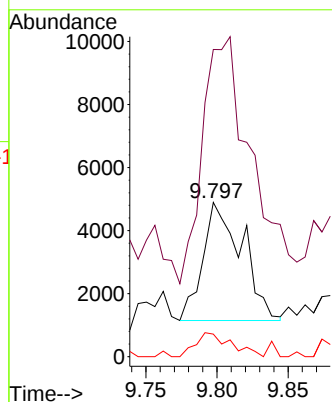
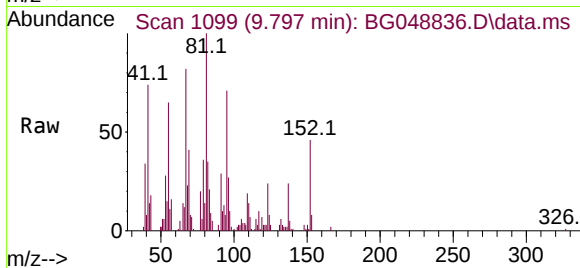
Tgt Ion: 82	Resp: 7238
Ion Ratio	Lower Upper
82 100	
95 199.3	8.5 12.7#
138 14.7	11.8 17.6

Instrument :

BNA_G

ClientSampleId :

FS-SB12A(55-56)



#28

bis(2-Chloroethoxy)methane

Concen: 2.88 ng

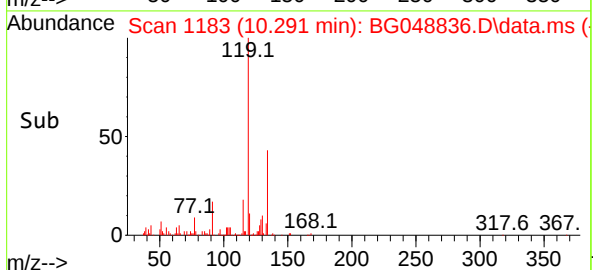
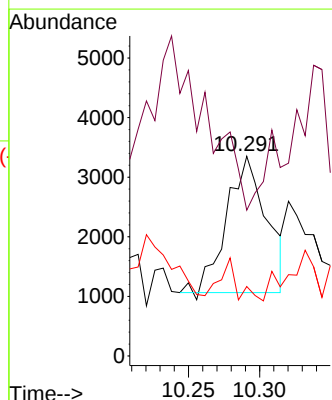
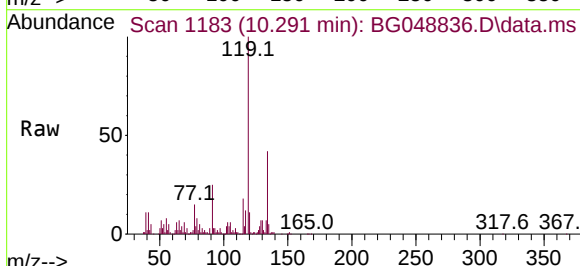
RT: 10.291 min Scan# 1183

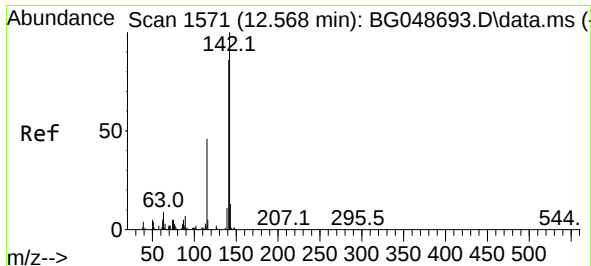
Delta R.T. 0.009 min

Lab File: BG048836.D

Acq: 22 Apr 2021 2:10

Tgt Ion: 93	Resp: 4468
Ion Ratio	Lower Upper
93 100	
95 73.0	22.2 33.4#
123 34.8	8.8 13.2#

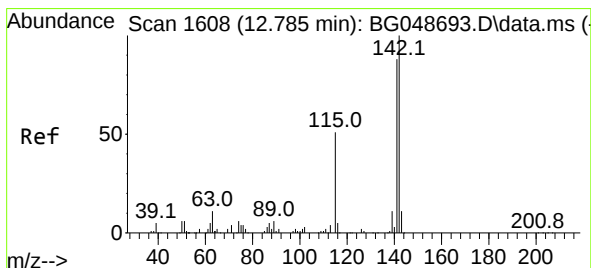
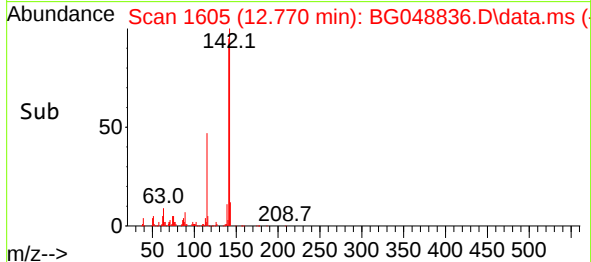
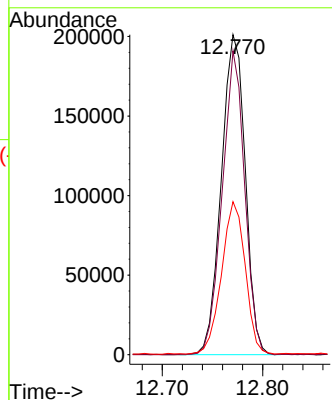
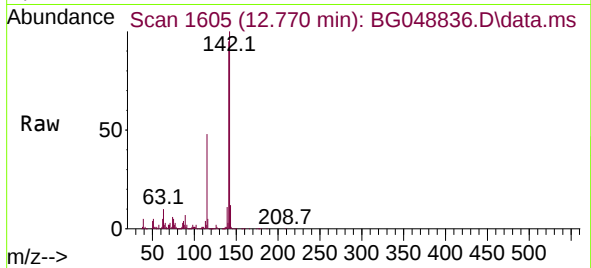




#37
2-Methylnaphthalene
Concen: 89.99 ng
RT: 12.770 min Scan# 1605
Delta R.T. 0.220 min
Lab File: BG048836.D
Acq: 22 Apr 2021 2:10

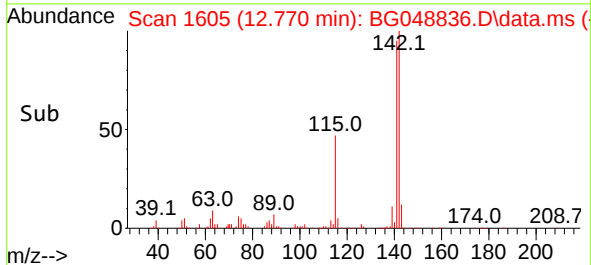
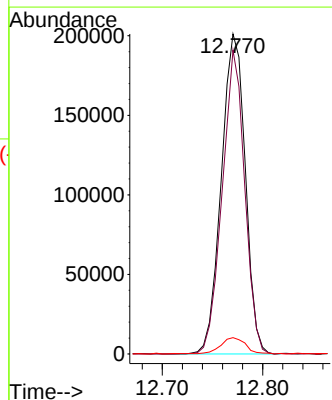
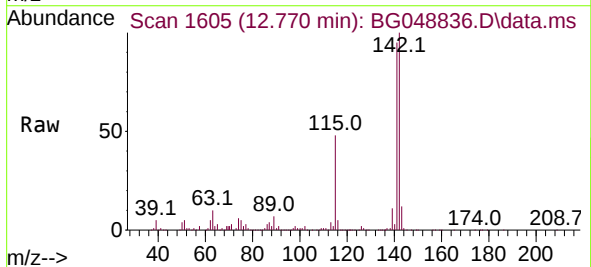
Instrument :
BNA_G
ClientSampleId :
FS-SB12A(55-56)

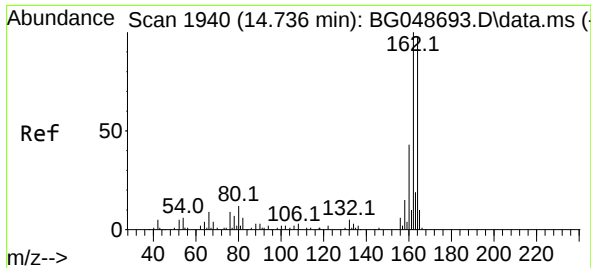
Tgt Ion:142 Resp: 332697
Ion Ratio Lower Upper
142 100
141 95.0 68.8 103.2
115 47.8 36.4 54.6



#38
1-Methylnaphthalene
Concen: 96.72 ng
RT: 12.770 min Scan# 1605
Delta R.T. 0.003 min
Lab File: BG048836.D
Acq: 22 Apr 2021 2:10

Tgt Ion:142 Resp: 332697
Ion Ratio Lower Upper
142 100
141 95.0 70.6 106.0
116 5.1 4.0 6.0

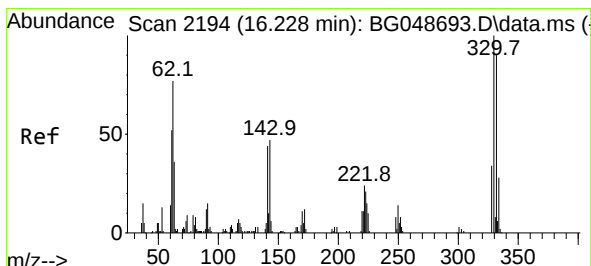
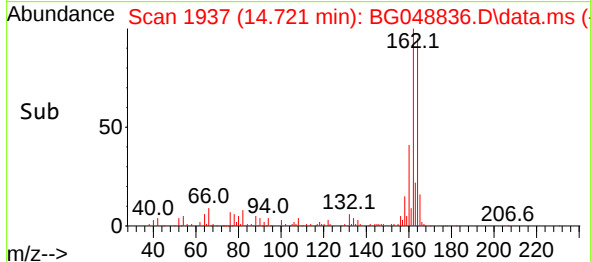
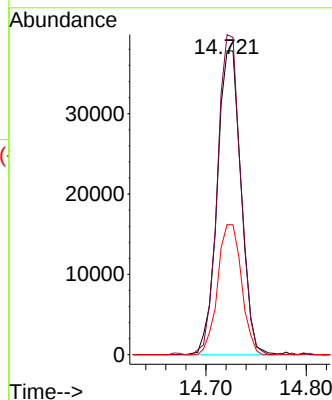
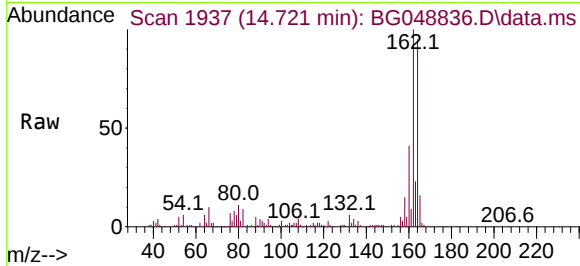




#39
Acenaphthene-d10
Concen: 20.00 ng
RT: 14.721 min Scan# 1937
Delta R.T. -0.003 min
Lab File: BG048836.D
Acq: 22 Apr 2021 2:10

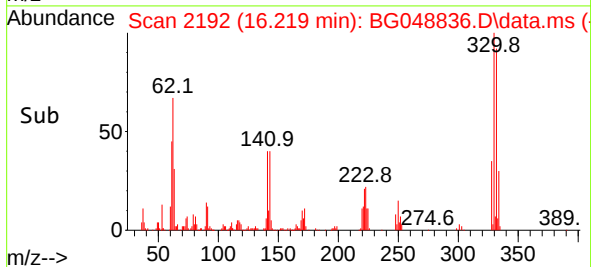
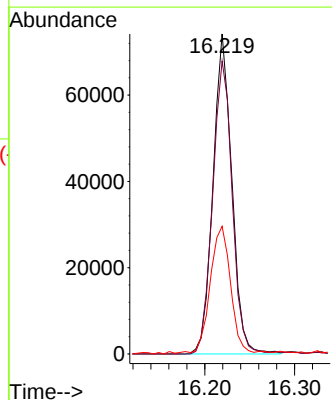
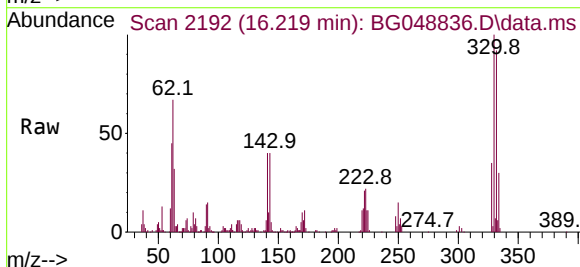
Instrument :
BNA_G
ClientSampleId :
FS-SB12A(55-56)

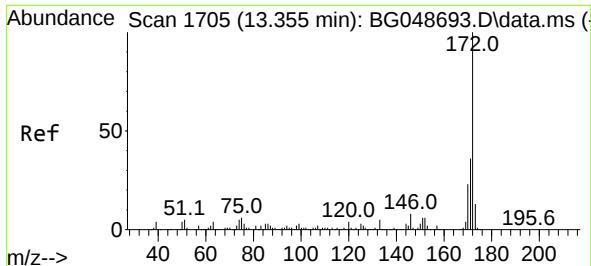
Tgt Ion:164	Resp:	62209
Ion Ratio	Lower	Upper
164	100	
162	105.3	81.4 122.0
160	42.8	34.9 52.3



#42
2,4,6-Tribromophenol
Concen: 129.48 ng
RT: 16.219 min Scan# 2192
Delta R.T. 0.003 min
Lab File: BG048836.D
Acq: 22 Apr 2021 2:10

Tgt Ion:330	Resp:	108001
Ion Ratio	Lower	Upper
330	100	
332	94.8	77.3 115.9
141	44.2	35.6 53.4

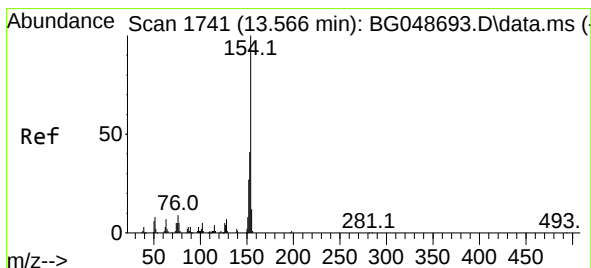
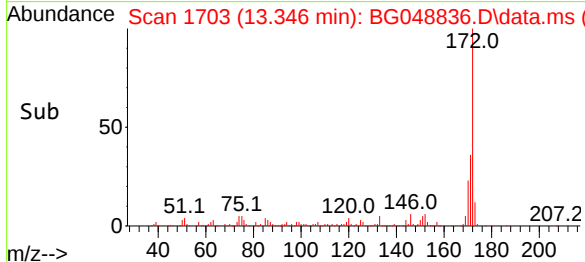
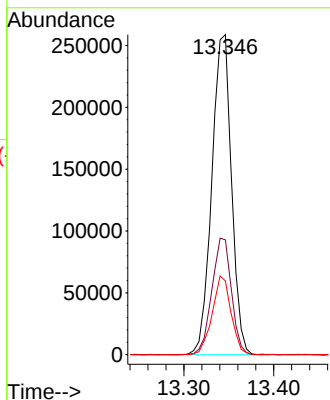
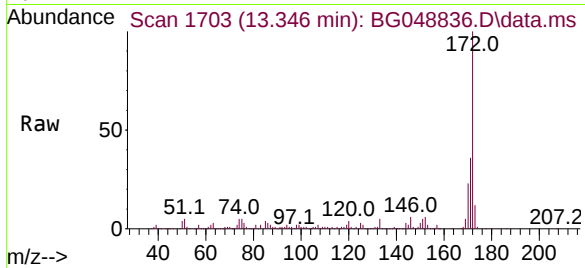




#45
2-Fluorobiphenyl
Concen: 91.32 ng
RT: 13.346 min Scan# 1703
Delta R.T. 0.003 min
Lab File: BG048836.D
Acq: 22 Apr 2021 2:10

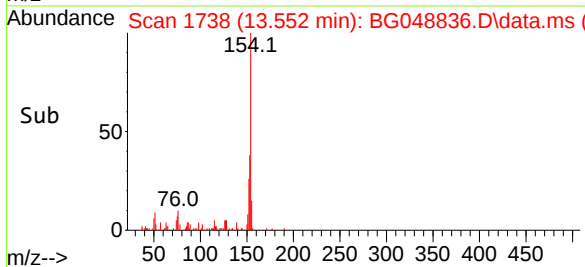
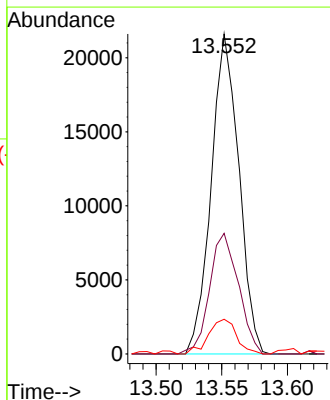
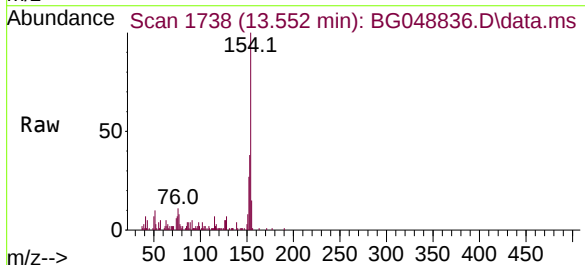
Instrument :
BNA_G
ClientSampleId :
FS-SB12A(55-56)

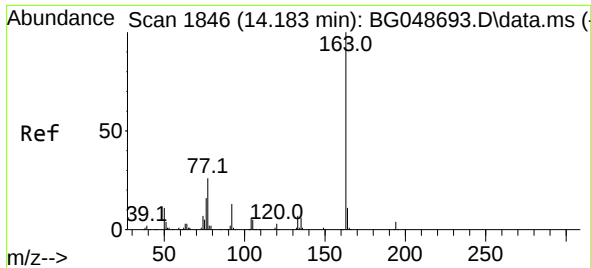
Tgt Ion:172 Resp: 393388
Ion Ratio Lower Upper
172 100
171 35.9 28.6 43.0
170 23.1 18.6 27.8



#46
1,1'-Biphenyl
Concen: 6.89 ng
RT: 13.552 min Scan# 1738
Delta R.T. -0.003 min
Lab File: BG048836.D
Acq: 22 Apr 2021 2:10

Tgt Ion:154 Resp: 31663
Ion Ratio Lower Upper
154 100
153 37.7 20.5 60.5
76 10.8 0.0 29.3

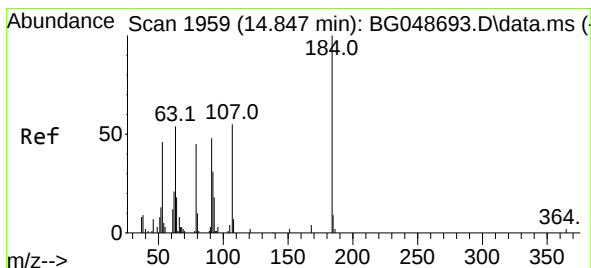
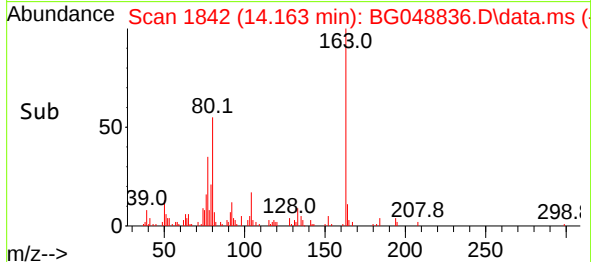
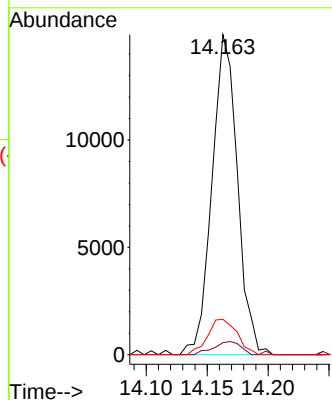
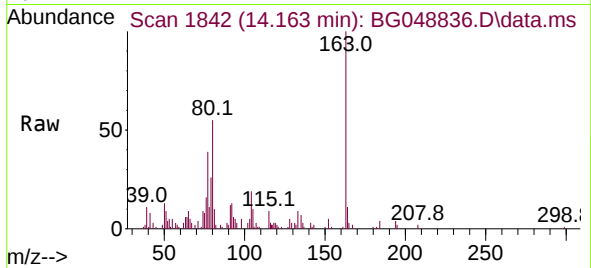




#50
Dimethylphthalate
Concen: 4.64 ng
RT: 14.163 min Scan# 1842
Delta R.T. -0.009 min
Lab File: BG048836.D
Acq: 22 Apr 2021 2:10

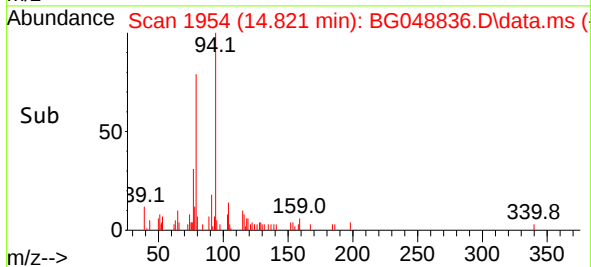
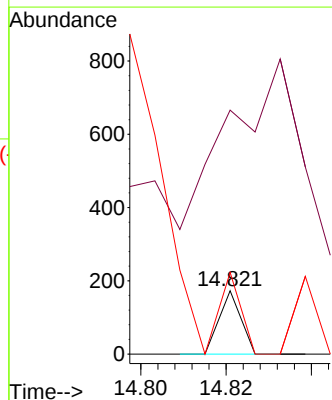
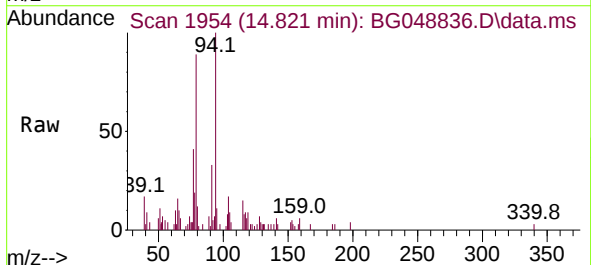
Instrument :
BNA_G
ClientSampleId :
FS-SB12A(55-56)

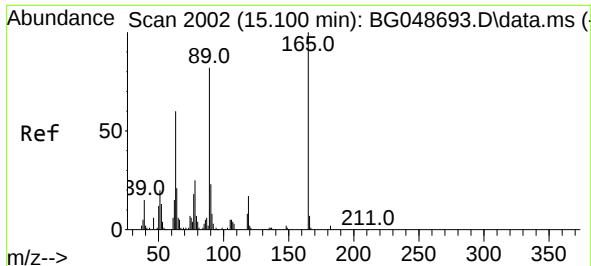
Tgt Ion:163 Resp: 21650
Ion Ratio Lower Upper
163 100
194 3.7 3.0 4.6
164 11.0 8.6 12.8



#54
2,4-Dinitrophenol
Concen: 5.37 ng
RT: 14.821 min Scan# 1954
Delta R.T. -0.015 min
Lab File: BG048836.D
Acq: 22 Apr 2021 2:10

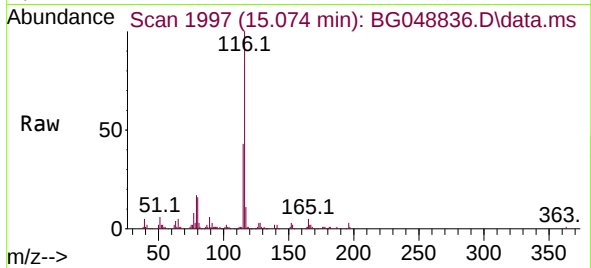
Tgt Ion:184 Resp: 61
Ion Ratio Lower Upper
184 100
63 385.0 68.3 102.5#
154 128.9 62.6 93.8#



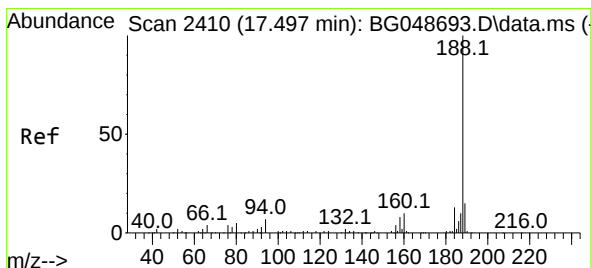
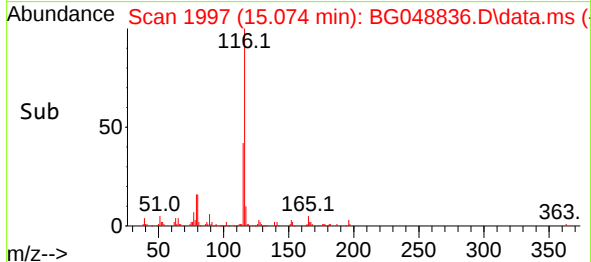
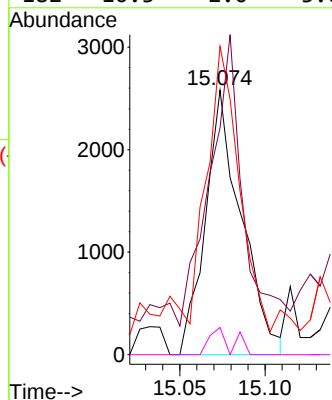


#57
2,4-Dinitrotoluene
Concen: 2.41 ng
RT: 15.074 min Scan# 1997
Delta R.T. -0.009 min
Lab File: BG048836.D
Acq: 22 Apr 2021 2:10

Instrument :
BNA_G
ClientSampleId :
FS-SB12A(55-56)

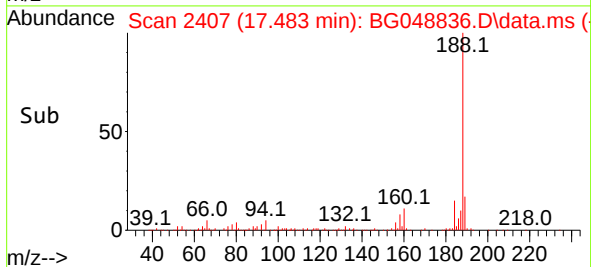
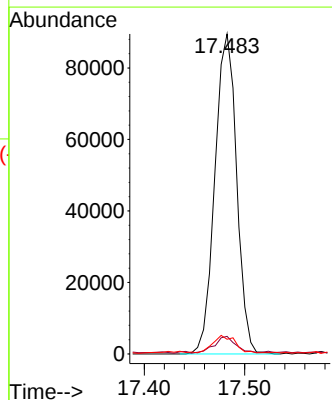
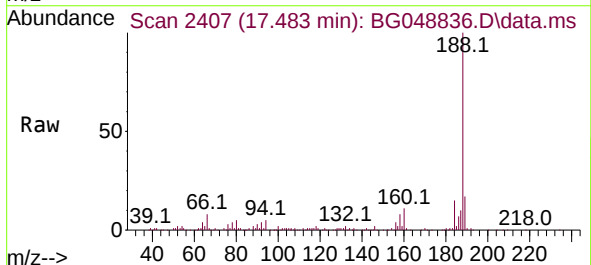


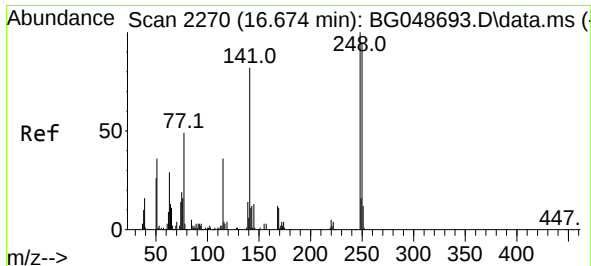
Tgt Ion:165 Resp: 3770
Ion Ratio Lower Upper
165 100
63 85.8 48.0 72.0#
89 116.6 65.4 98.0#
182 10.3 2.0 3.0#



#64
Phenanthrene-d10
Concen: 20.00 ng
RT: 17.483 min Scan# 2407
Delta R.T. 0.003 min
Lab File: BG048836.D
Acq: 22 Apr 2021 2:10

Tgt Ion:188 Resp: 134724
Ion Ratio Lower Upper
188 100
94 5.5 5.4 8.0
80 4.6 3.7 5.5

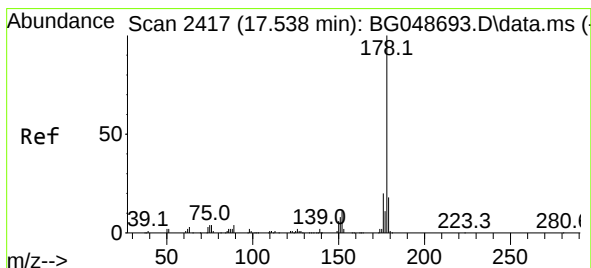
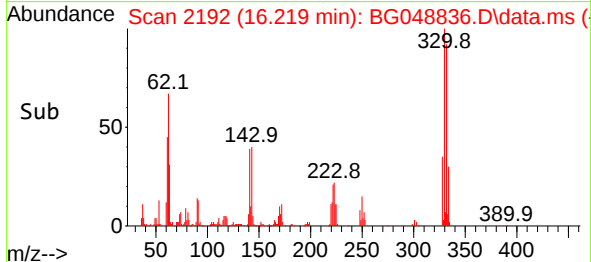
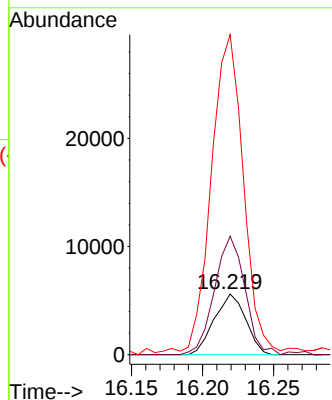
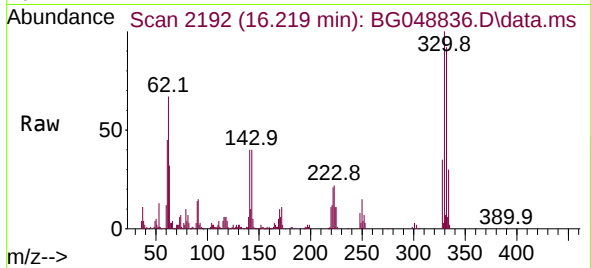




#67
4-Bromophenyl-phenylether
Concen: 5.57 ng
RT: 16.219 min Scan# 2192
Delta R.T. -0.444 min
Lab File: BG048836.D
Acq: 22 Apr 2021 2:10

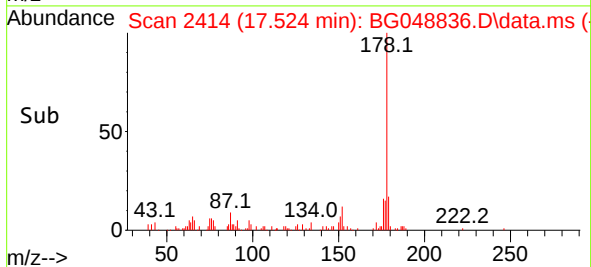
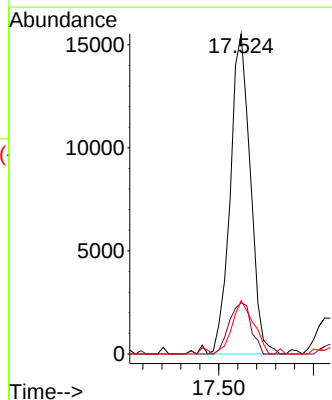
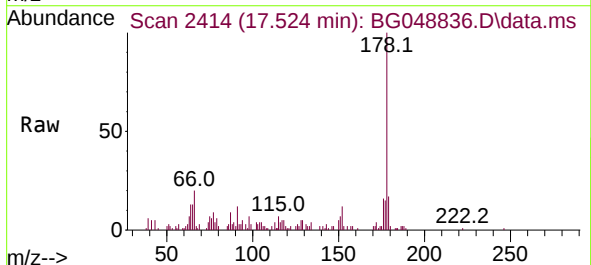
Instrument :
BNA_G
ClientSampleId :
FS-SB12A(55-56)

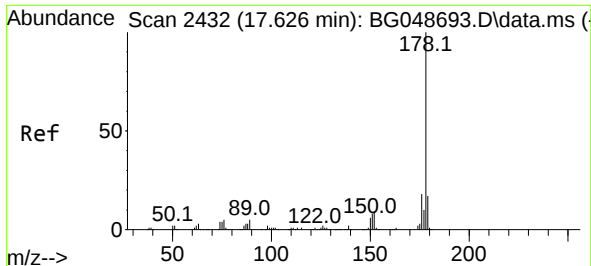
Tgt Ion:248 Resp: 8630
Ion Ratio Lower Upper
248 100
250 195.1 76.1 114.1#
141 527.2 65.4 98.2#



#71
Phenanthrene
Concen: 3.29 ng
RT: 17.524 min Scan# 2414
Delta R.T. 0.003 min
Lab File: BG048836.D
Acq: 22 Apr 2021 2:10

Tgt Ion:178 Resp: 23036
Ion Ratio Lower Upper
178 100
176 16.0 16.0 24.0#
179 16.7 14.2 21.4

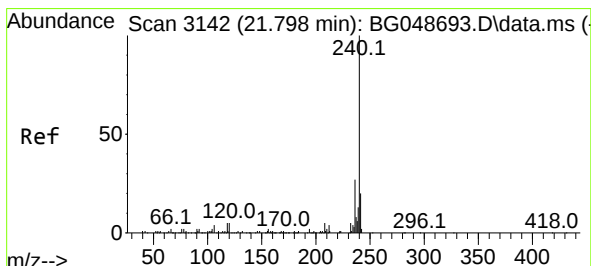
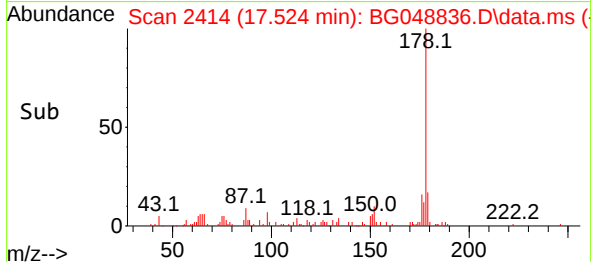
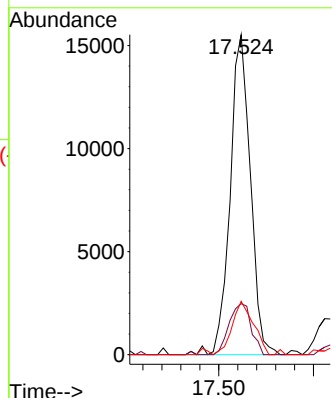
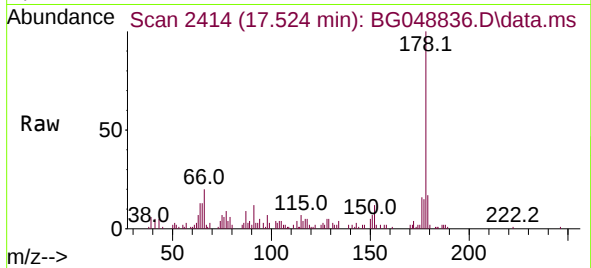




#72
 Anthracene
 Concen: 3.33 ng
 RT: 17.524 min Scan# 2414
 Delta R.T. -0.091 min
 Lab File: BG048836.D
 Acq: 22 Apr 2021 2:10

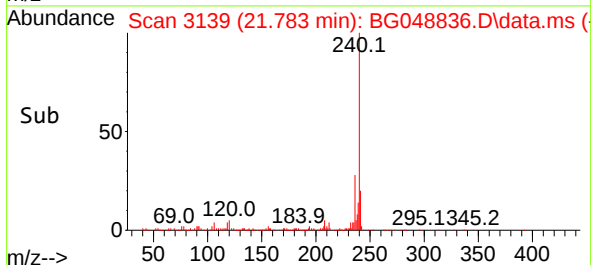
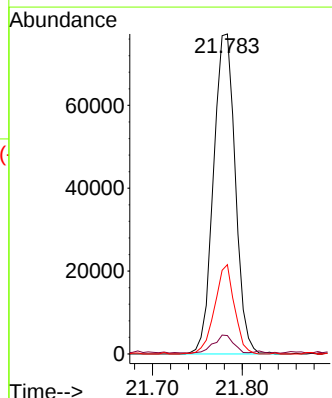
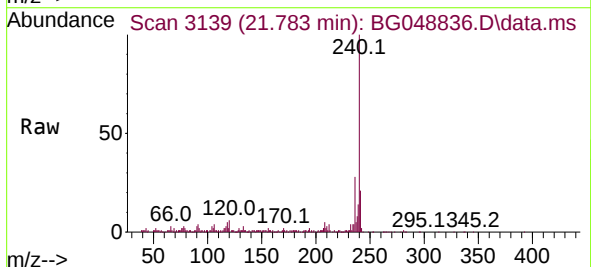
Instrument :
 BNA_G
 ClientSampleId :
 FS-SB12A(55-56)

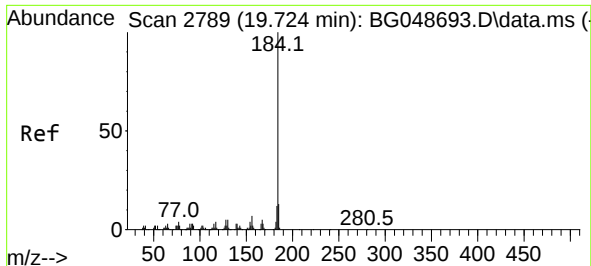
Tgt Ion:178 Resp: 23036
 Ion Ratio Lower Upper
 178 100
 176 16.0 14.6 21.8
 179 16.7 13.4 20.0



#76
 Chrysene-d12
 Concen: 20.00 ng
 RT: 21.783 min Scan# 3139
 Delta R.T. 0.003 min
 Lab File: BG048836.D
 Acq: 22 Apr 2021 2:10

Tgt Ion:240 Resp: 130204
 Ion Ratio Lower Upper
 240 100
 120 5.7 4.2 6.2
 236 27.9 21.8 32.6

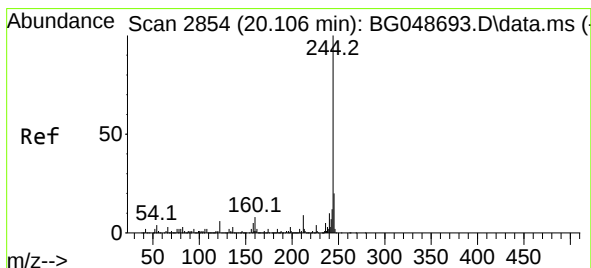
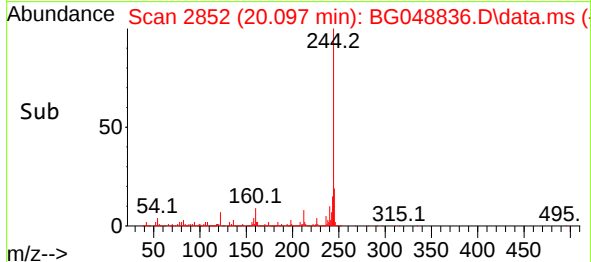
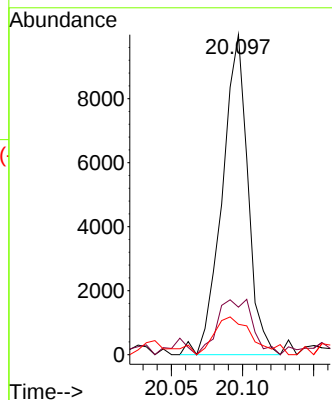
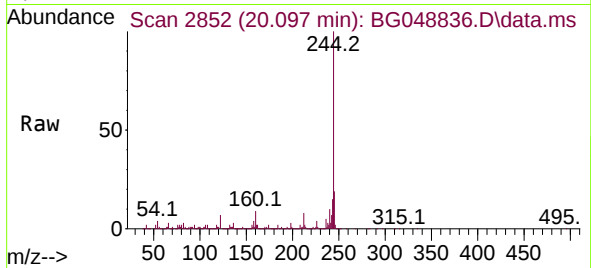




#77
Benzidine
Concen: 3.54 ng
RT: 20.097 min Scan# 2852
Delta R.T. 0.385 min
Lab File: BG048836.D
Acq: 22 Apr 2021 2:10

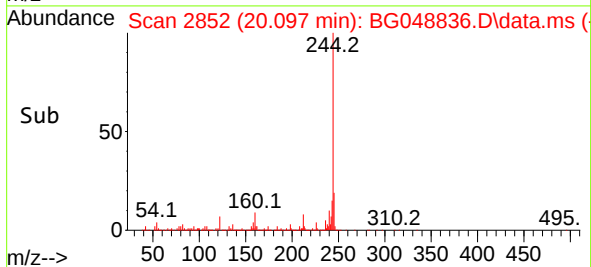
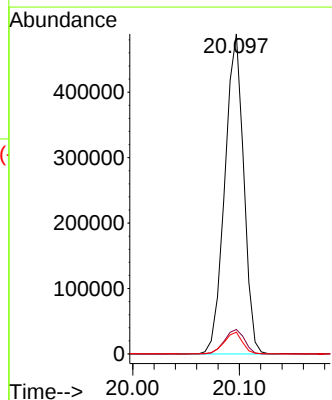
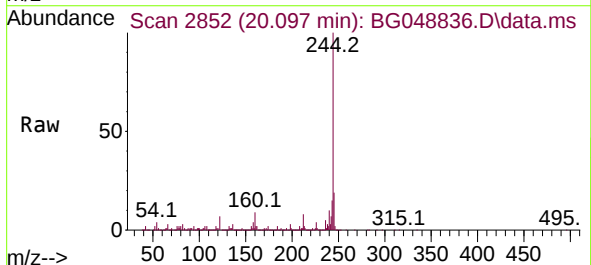
Instrument :
BNA_G
ClientSampleId :
FS-SB12A(55-56)

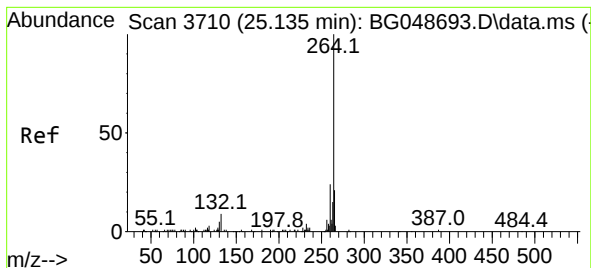
Tgt Ion:184 Resp: 12533
Ion Ratio Lower Upper
184 100
185 14.8 10.7 16.1
183 9.5 9.4 14.0



#79
Terphenyl-d14
Concen: 79.33 ng
RT: 20.097 min Scan# 2852
Delta R.T. 0.003 min
Lab File: BG048836.D
Acq: 22 Apr 2021 2:10

Tgt Ion:244 Resp: 600158
Ion Ratio Lower Upper
244 100
212 7.7 6.9 10.3
122 6.8 5.0 7.6





#86

Perylene-d12

Concen: 20.00 ng

RT: 25.109 min Scan# 3705

Delta R.T. -0.003 min

Lab File: BG048836.D

Acq: 22 Apr 2021 2:10

Instrument :

BNA_G

ClientSampleId :

FS-SB12A(55-56)

Tgt Ion:264 Resp: 128922

Ion Ratio Lower Upper

264 100

260 22.2 19.4 29.2

265 21.8 16.9 25.3

