

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG092520\
 Data File : BG046708.D
 Acq On : 25 Sep 2020 19:09
 Operator : CG/JU
 Sample : L4127-07
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 B-2(11-13)

Quant Time: Sep 26 02:27:13 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG092220.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Sep 22 21:47:28 2020
 Response via : Initial Calibration

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

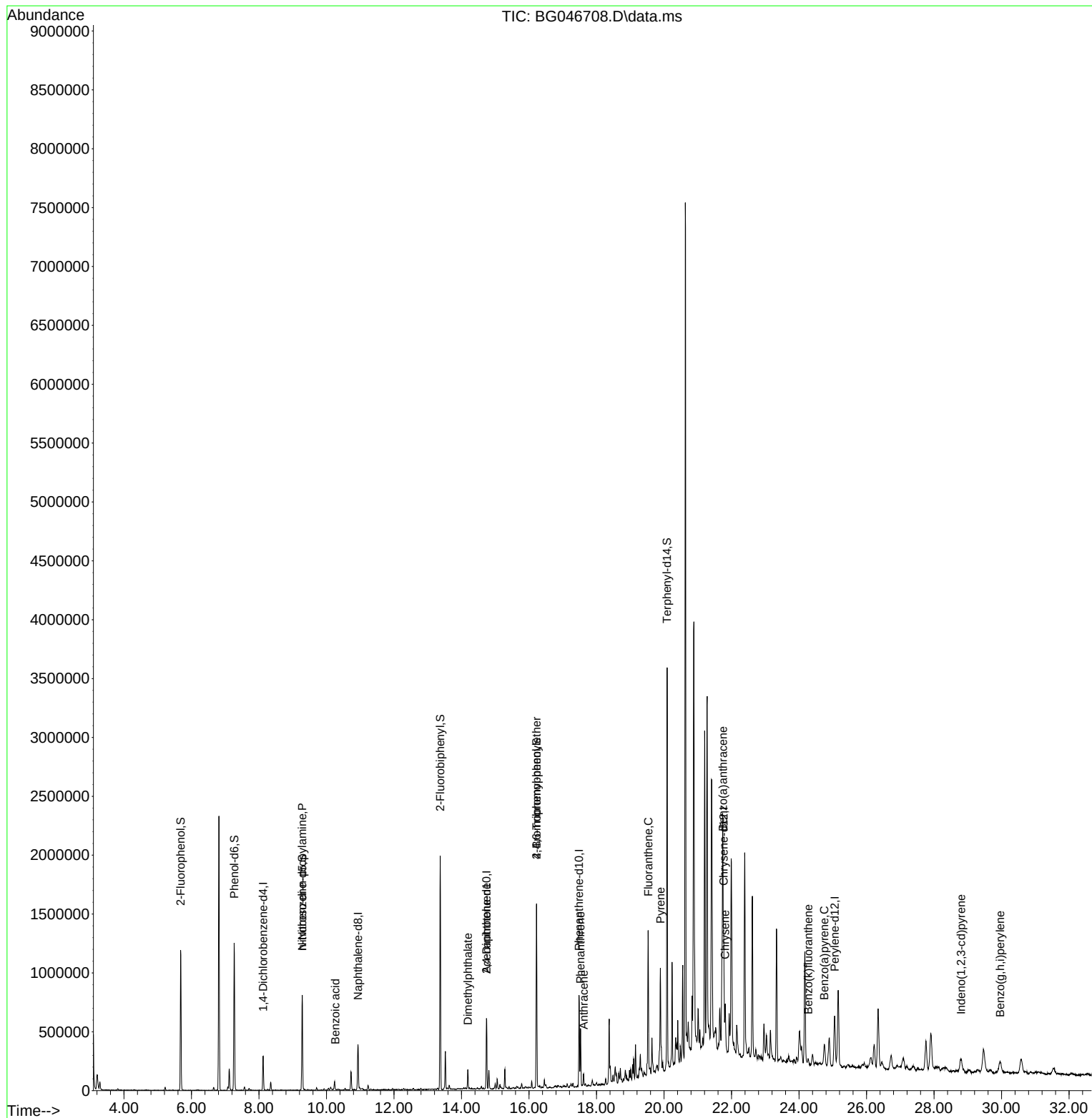
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.124	152	77451	20.00	ng	# 0.00
21) Naphthalene-d8	10.932	136	311691	20.00	ng	# 0.00
39) Acenaphthene-d10	14.739	164	207779	20.00	ng	-0.01
64) Phenanthrene-d10	17.483	188	468874	20.00	ng	0.00
76) Chrysene-d12	21.766	240	462960	20.00	ng	#-0.01
86) Perylene-d12	25.057	264	470662	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.679	112	482590	99.82	ng	0.00
7) Phenol-d6	7.266	99	651524	95.54	ng	0.00
23) Nitrobenzene-d5	9.281	82	472268	80.61	ng	0.00
42) 2,4,6-Tribromophenol	16.226	330	284567	103.87	ng	0.00
45) 2-Fluorobiphenyl	13.370	172	985578	67.15	ng	0.00
79) Terphenyl-d14	20.092	244	1364653	59.08	ng	0.00
Target Compounds						
						Qvalue
9) Benzaldehyde	7.260	77	7612	Below Cal	#	67
19) n-Nitroso-di-n-propyla...	9.281	70	67684	14.47	ng	# 81
32) Benzoic acid	10.262	122	298	6.42	ng	93
50) Dimethylphthalate	14.187	163	100337	6.05	ng	98
57) 2,4-Dinitrotoluene	14.739	165	28428	7.96	ng	# 34
67) 4-Bromophenyl-phenylether	16.226	248	19766	3.34	ng	# 1
71) Phenanthrene	17.524	178	313191	12.30	ng	98
72) Anthracene	17.618	178	70719	2.82	ng	92
75) Fluoranthene	19.534	202	599547	18.49	ng	97
78) Pyrene	19.892	202	571334	19.20	ng	97
81) Benzo(a)anthracene	21.749	228	326506	10.56	ng	98
83) Chrysene	21.813	228	286587	9.70	ng	100
87) Indeno(1,2,3-cd)pyrene	28.799	276	194044	5.57	ng	# 79
89) Benzo(k)fluoranthene	24.275	252	59399	2.00	ng	95
90) Benzo(a)pyrene	24.751	252	191445	6.60	ng	95
92) Benzo(g,h,i)perylene	29.963	276	182643	6.56	ng	94

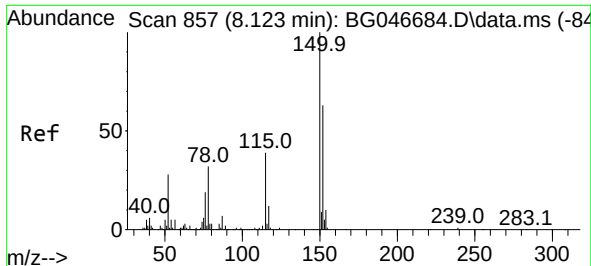
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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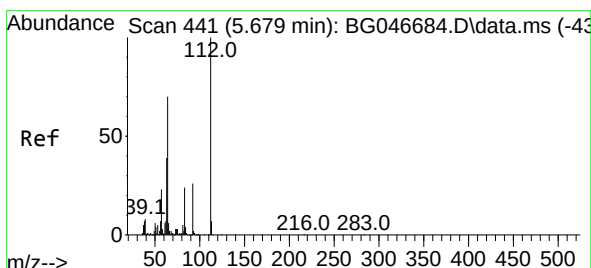
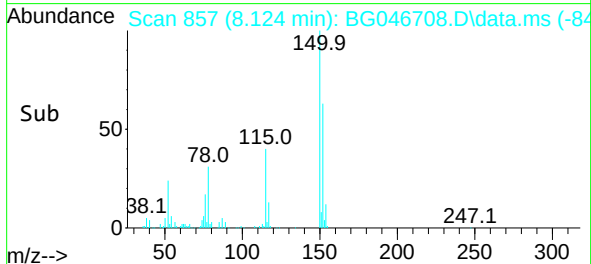
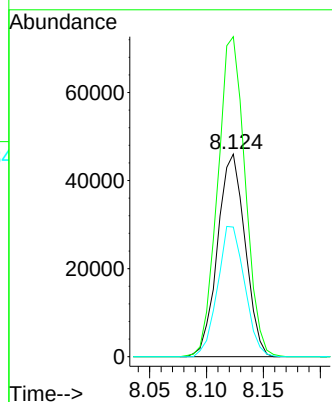
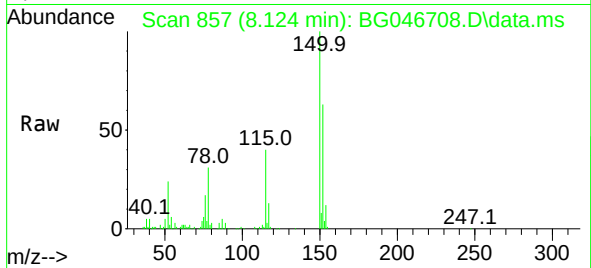




#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 8.124 min Scan# 857
Delta R.T. 0.001 min
Lab File: BG046708.D
Acq: 25 Sep 2020 19:09

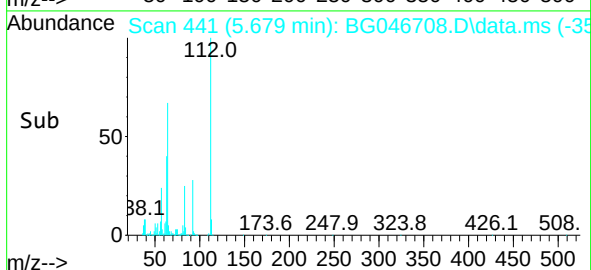
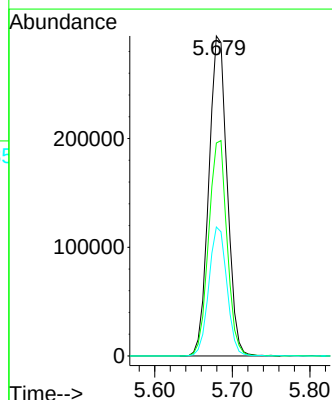
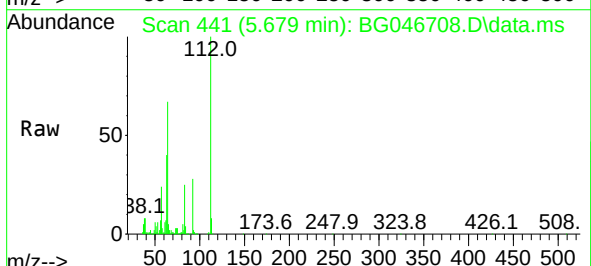
Instrument :
BNA_G
ClientSampleId :
B-2(11-13)

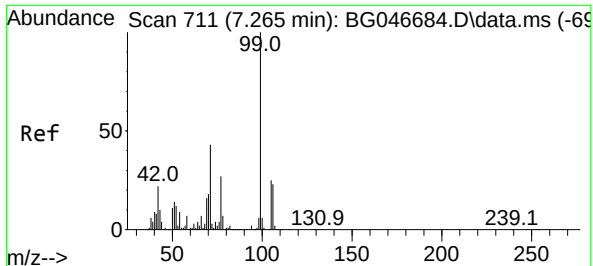
Tgt Ion:152 Resp: 77451
Ion Ratio Lower Upper
152 100
150 158.0 125.0 187.6
115 63.9 41.8 62.6#



#5
2-Fluorophenol
Concen: 99.82 ng
RT: 5.679 min Scan# 441
Delta R.T. 0.000 min
Lab File: BG046708.D
Acq: 25 Sep 2020 19:09

Tgt Ion:112 Resp: 482590
Ion Ratio Lower Upper
112 100
64 66.5 46.7 70.1
63 40.3 22.8 34.2#

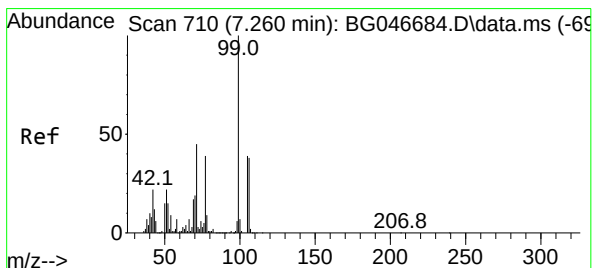
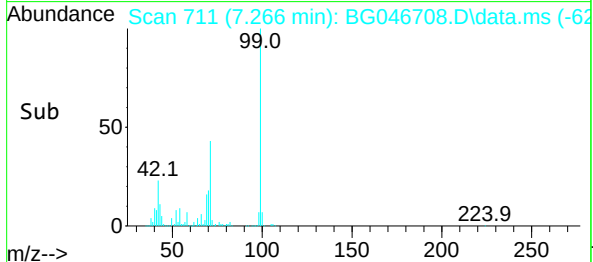
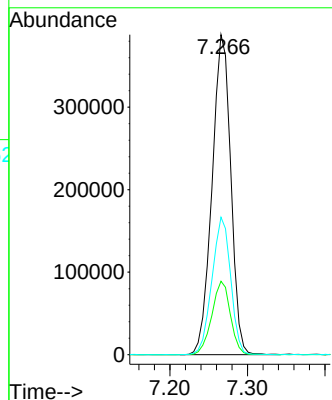
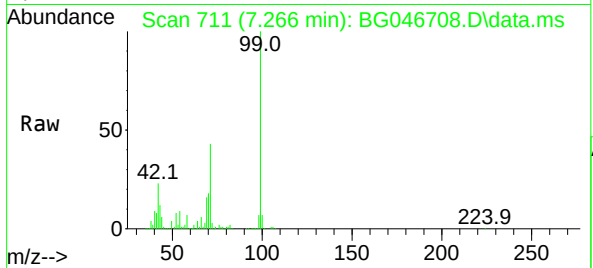




#7
Phenol-d6
Concen: 95.54 ng
RT: 7.266 min Scan# 711
Delta R.T. 0.001 min
Lab File: BG046708.D
Acq: 25 Sep 2020 19:09

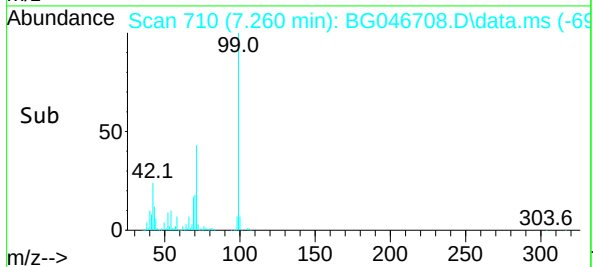
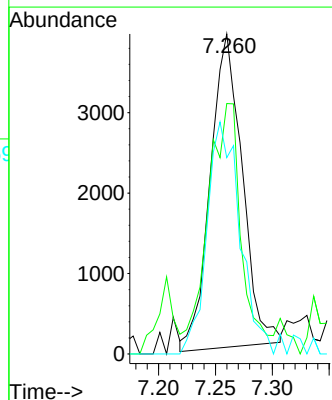
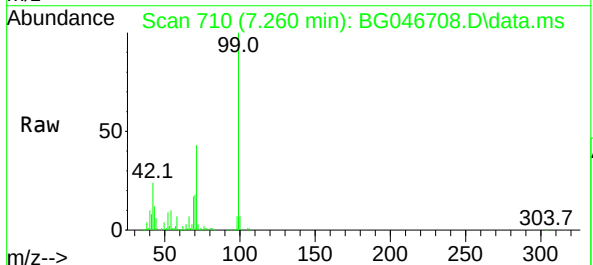
Instrument :
BNA_G
ClientSampleId :
B-2(11-13)

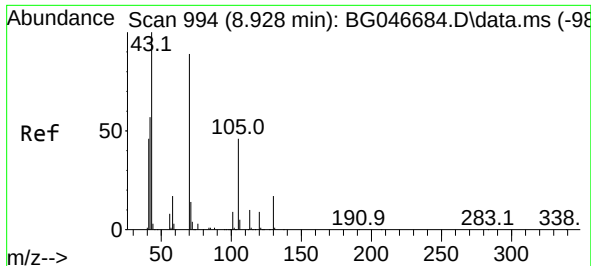
Tgt Ion: 99 Resp: 651524
Ion Ratio Lower Upper
99 100
42 22.9 12.8 19.2#
71 42.9 24.6 36.8#



#9
Benzaldehyde
Concen: Below Cal
RT: 7.260 min Scan# 710
Delta R.T. -0.000 min
Lab File: BG046708.D
Acq: 25 Sep 2020 19:09

Tgt Ion: 77 Resp: 7612
Ion Ratio Lower Upper
77 100
105 78.2 85.9 125.9#
106 61.4 80.9 120.9#

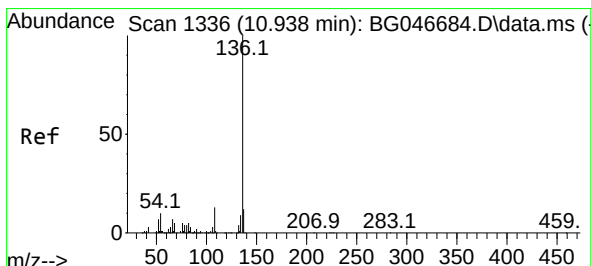
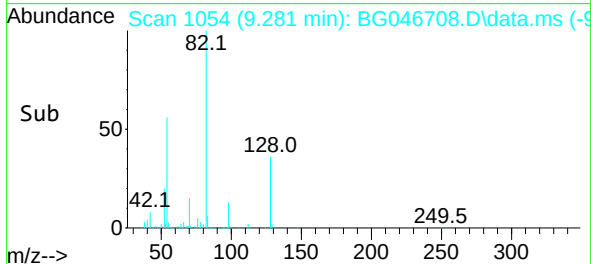
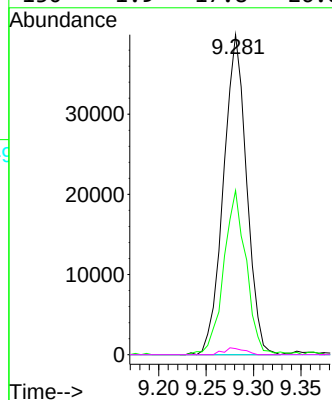
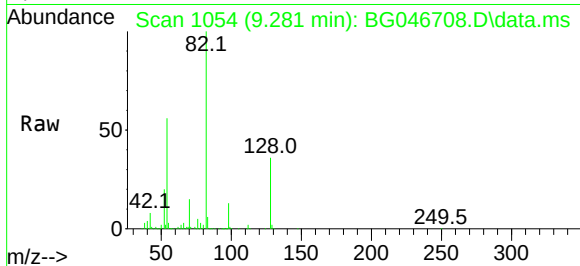




#19
n-Nitroso-di-n-propylamine
Concen: 14.47 ng
RT: 9.281 min Scan# 1054
Delta R.T. 0.353 min
Lab File: BG046708.D
Acq: 25 Sep 2020 19:09

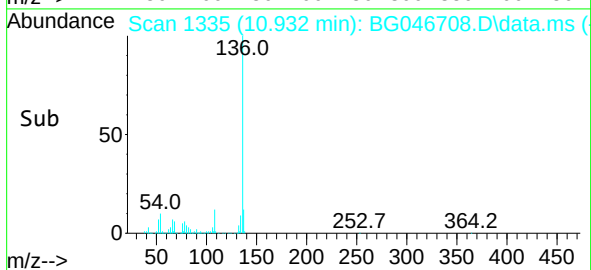
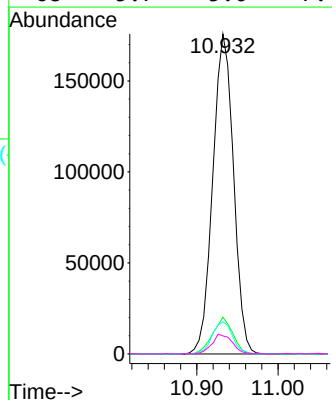
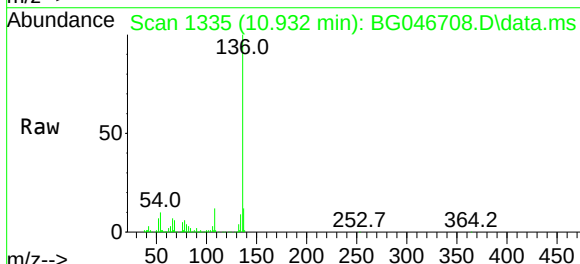
Instrument :
BNA_G
ClientSampled :
B-2(11-13)

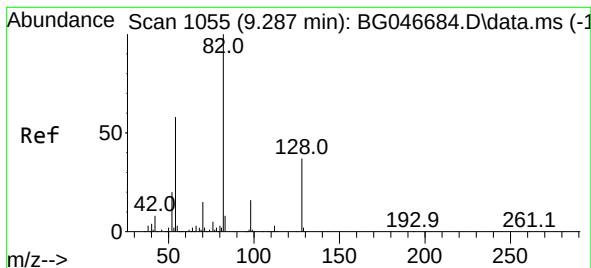
Tgt Ion: 70	Resp: 67684
Ion Ratio	Lower Upper
70 100	
42 51.3	45.6 68.4
101 0.0	8.4 12.6#
130 1.9	17.8 26.8#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 10.932 min Scan# 1335
Delta R.T. -0.006 min
Lab File: BG046708.D
Acq: 25 Sep 2020 19:09

Tgt Ion: 136	Resp: 311691
Ion Ratio	Lower Upper
136 100	
137 11.5	9.1 13.7
54 10.1	6.2 9.4#
68 5.7	5.0 7.4





#23

Nitrobenzene-d5

Concen: 80.61 ng

RT: 9.281 min Scan# 1054

Delta R.T. -0.006 min

Lab File: BG046708.D

Acq: 25 Sep 2020 19:09

Tgt Ion: 82 Resp: 472268

Ion Ratio Lower Upper

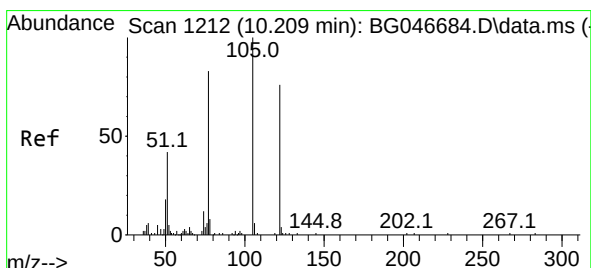
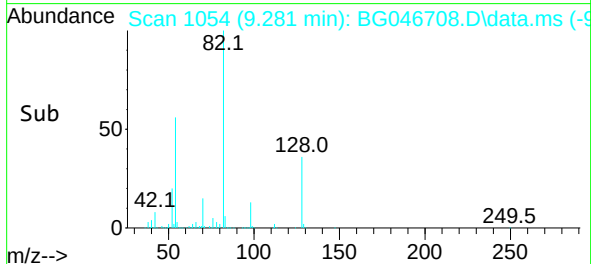
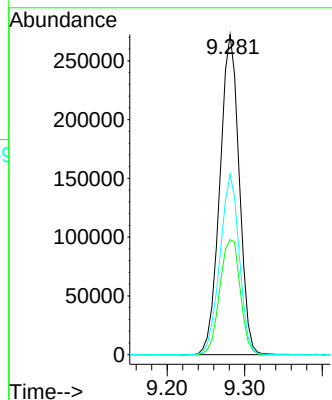
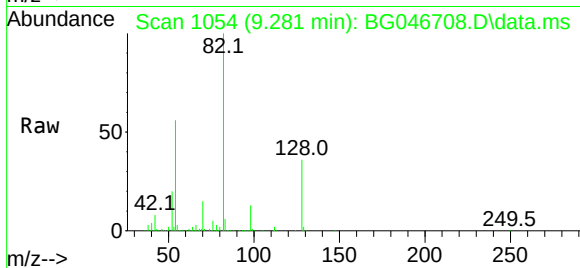
82	100		
128	35.9	37.0	55.6#
54	56.3	39.0	58.4

Instrument :

BNA_G

ClientSampleId :

B-2(11-13)



#32

Benzoic acid

Concen: 6.42 ng

RT: 10.262 min Scan# 1221

Delta R.T. 0.053 min

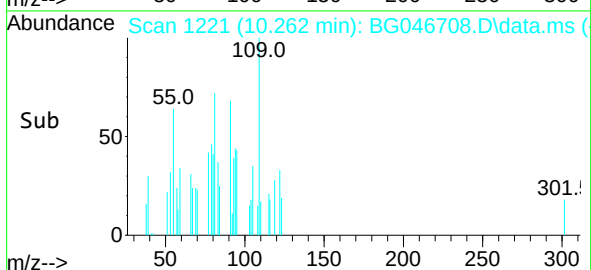
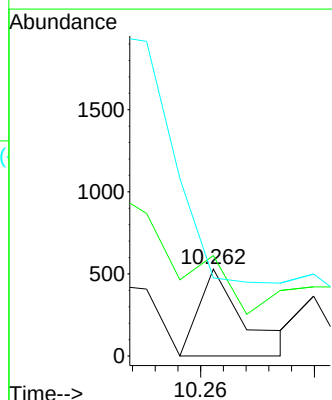
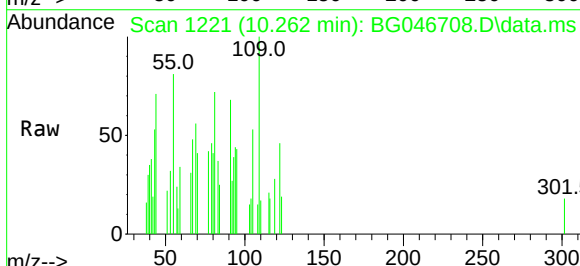
Lab File: BG046708.D

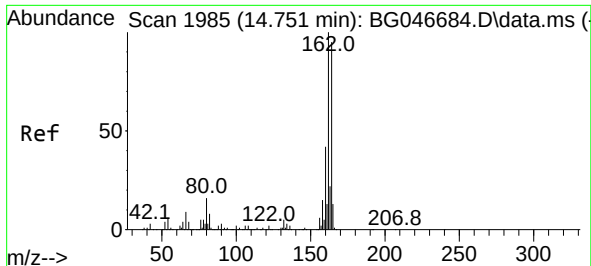
Acq: 25 Sep 2020 19:09

Tgt Ion:122 Resp: 298

Ion Ratio Lower Upper

122	100		
105	115.3	103.7	143.7
77	89.8	63.0	103.0

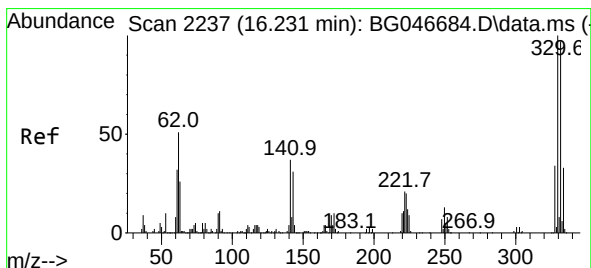
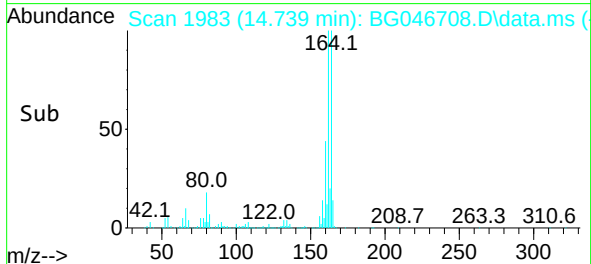
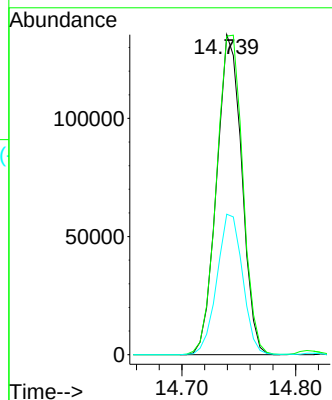
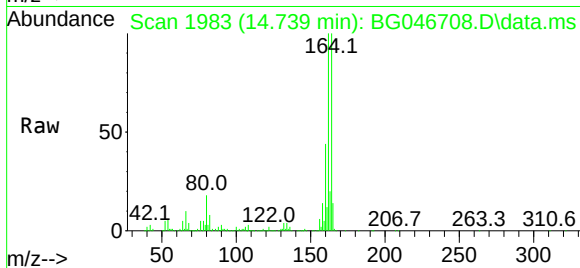




#39
Acenaphthene-d10
Concen: 20.00 ng
RT: 14.739 min Scan# 1983
Delta R.T. -0.012 min
Lab File: BG046708.D
Acq: 25 Sep 2020 19:09

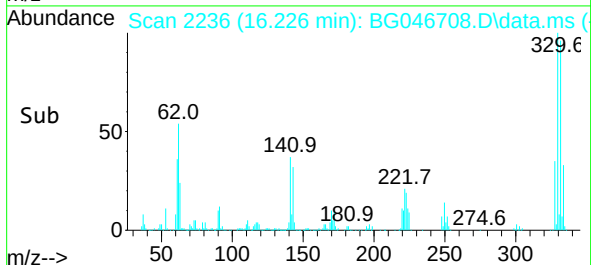
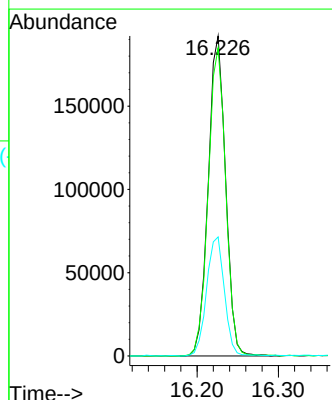
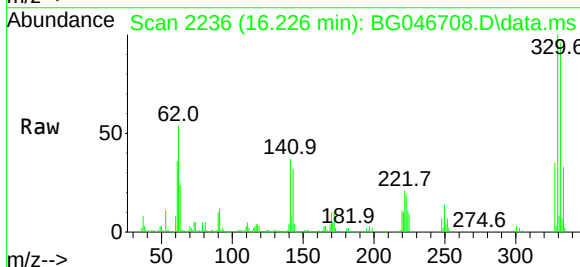
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ClientSampleId :
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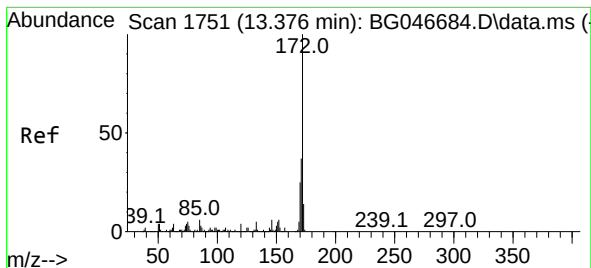
Tgt Ion:164 Resp: 207779
Ion Ratio Lower Upper
164 100
162 99.6 82.3 123.5
160 43.9 35.3 52.9



#42
2,4,6-Tribromophenol
Concen: 103.87 ng
RT: 16.226 min Scan# 2236
Delta R.T. -0.005 min
Lab File: BG046708.D
Acq: 25 Sep 2020 19:09

Tgt Ion:330 Resp: 284567
Ion Ratio Lower Upper
330 100
332 97.4 76.5 114.7
141 38.3 26.0 39.0

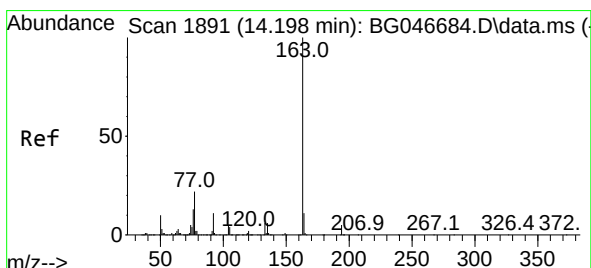
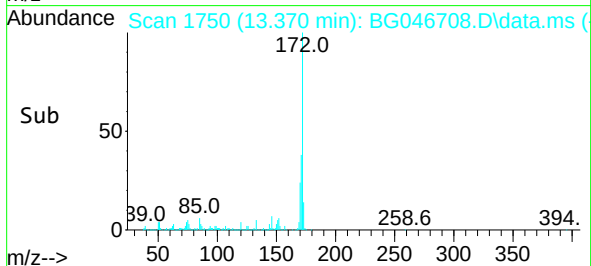
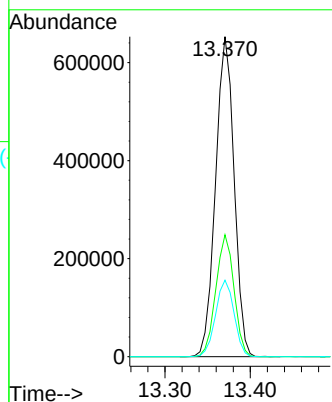
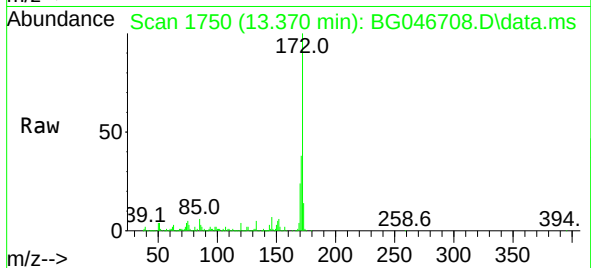




#45
2-Fluorobiphenyl
Concen: 67.15 ng
RT: 13.370 min Scan# 1750
Delta R.T. -0.006 min
Lab File: BG046708.D
Acq: 25 Sep 2020 19:09

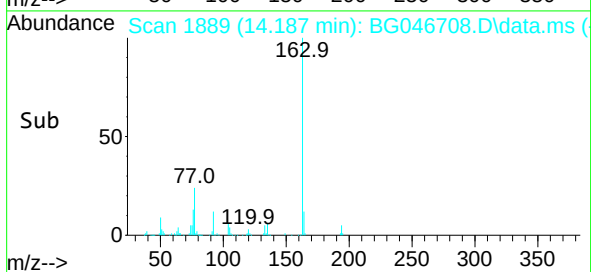
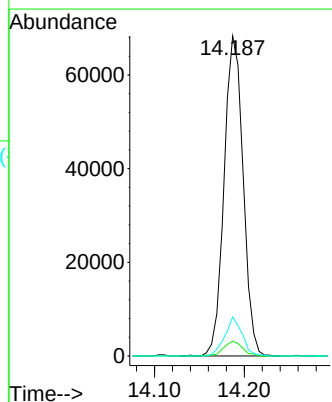
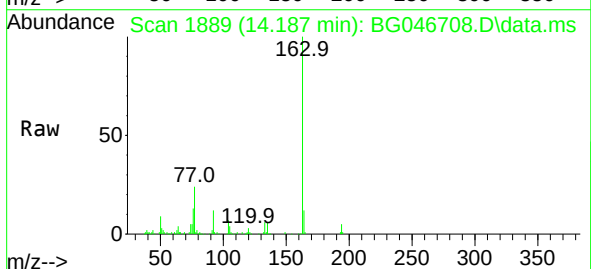
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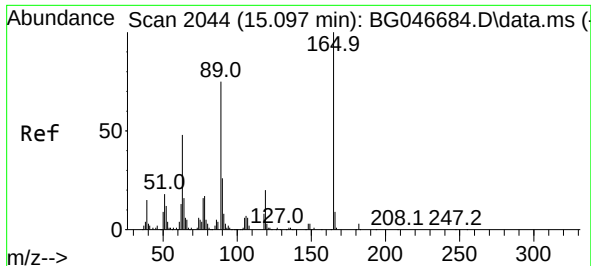
Tgt Ion:172 Resp: 985578
Ion Ratio Lower Upper
172 100
171 38.1 31.3 46.9
170 23.9 20.8 31.2



#50
Dimethylphthalate
Concen: 6.05 ng
RT: 14.187 min Scan# 1889
Delta R.T. -0.011 min
Lab File: BG046708.D
Acq: 25 Sep 2020 19:09

Tgt Ion:163 Resp: 100337
Ion Ratio Lower Upper
163 100
194 4.6 3.8 5.8
164 12.3 8.8 13.2

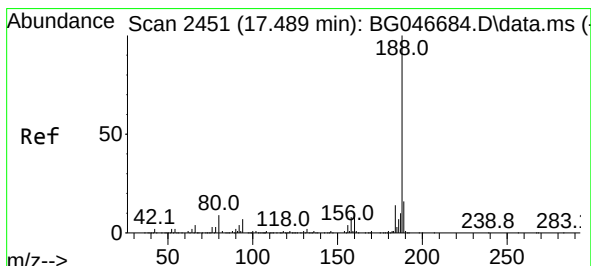
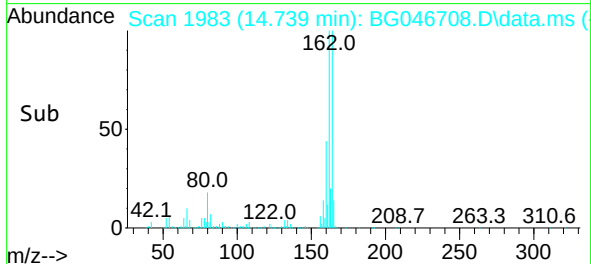
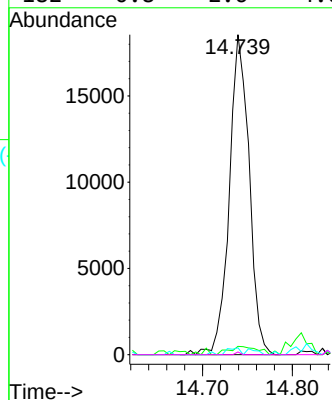
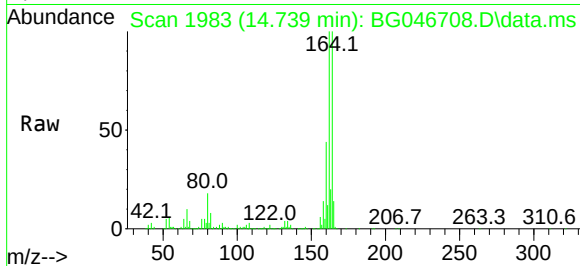




#57
2,4-Dinitrotoluene
Concen: 7.96 ng
RT: 14.739 min Scan# 1983
Delta R.T. -0.358 min
Lab File: BG046708.D
Acq: 25 Sep 2020 19:09

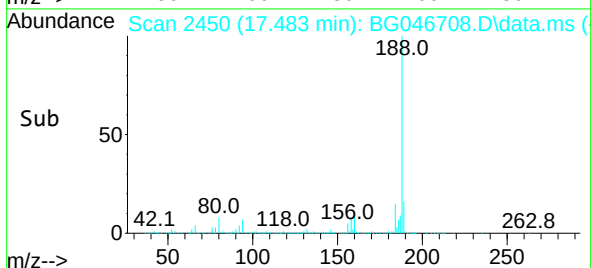
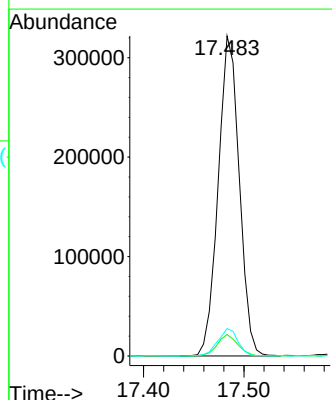
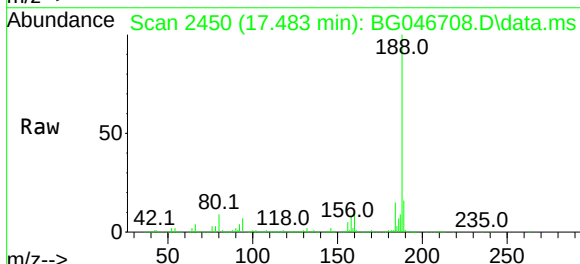
Instrument :
BNA_G
ClientSampleId :
B-2(11-13)

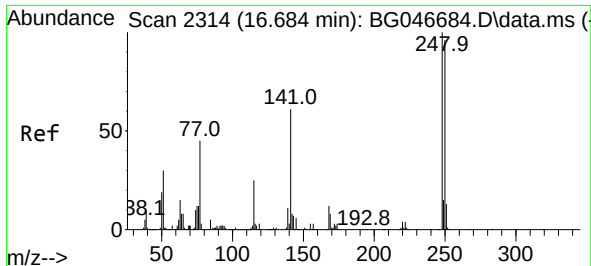
Tgt Ion:165 Resp: 28428
Ion Ratio Lower Upper
165 100
63 2.6 26.4 39.6#
89 2.2 47.8 71.8#
182 0.8 2.6 4.0#



#64
Phenanthrene-d10
Concen: 20.00 ng
RT: 17.483 min Scan# 2450
Delta R.T. -0.006 min
Lab File: BG046708.D
Acq: 25 Sep 2020 19:09

Tgt Ion:188 Resp: 468874
Ion Ratio Lower Upper
188 100
94 6.7 6.3 9.5
80 8.6 7.0 10.6

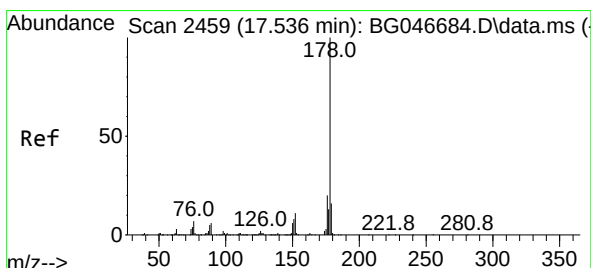
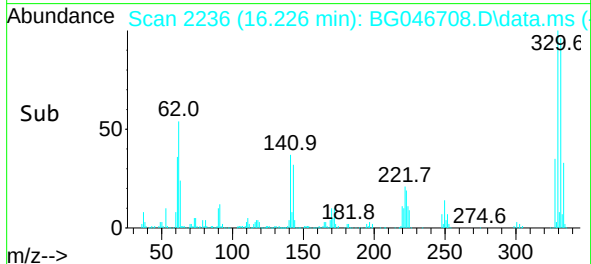
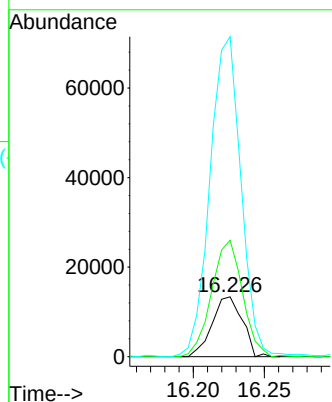
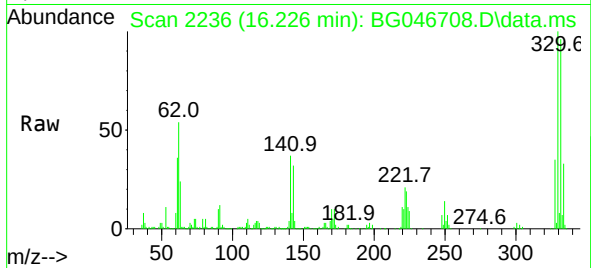




#67
4-Bromophenyl-phenylether
Concen: 3.34 ng
RT: 16.226 min Scan# 2236
Delta R.T. -0.458 min
Lab File: BG046708.D
Acq: 25 Sep 2020 19:09

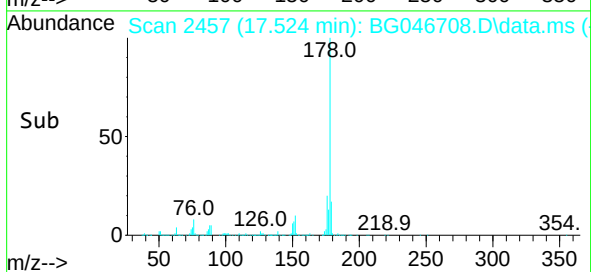
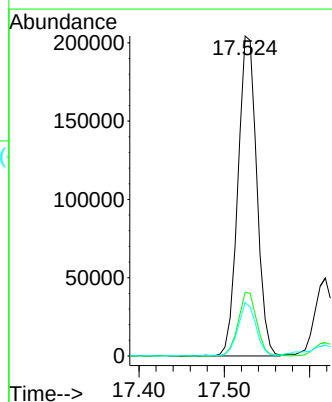
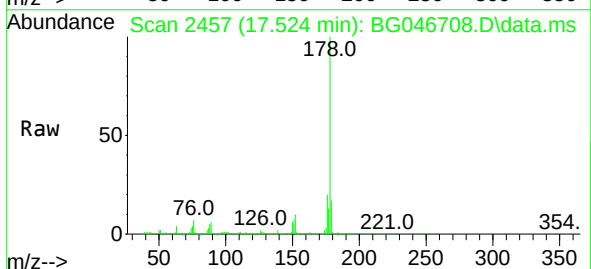
Instrument :
BNA_G
ClientSampled :
B-2(11-13)

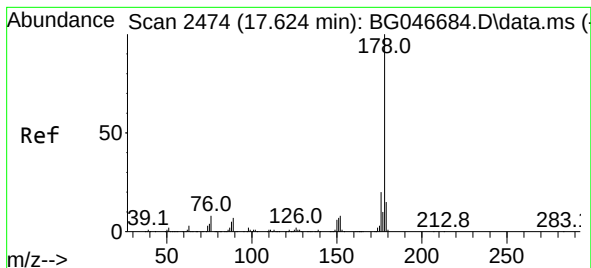
Tgt Ion:248 Resp: 19766
Ion Ratio Lower Upper
248 100
250 187.7 78.9 118.3#
141 395.6 46.2 69.4#



#71
Phenanthrene
Concen: 12.30 ng
RT: 17.524 min Scan# 2457
Delta R.T. -0.011 min
Lab File: BG046708.D
Acq: 25 Sep 2020 19:09

Tgt Ion:178 Resp: 313191
Ion Ratio Lower Upper
178 100
176 19.9 16.7 25.1
179 16.7 14.0 21.0

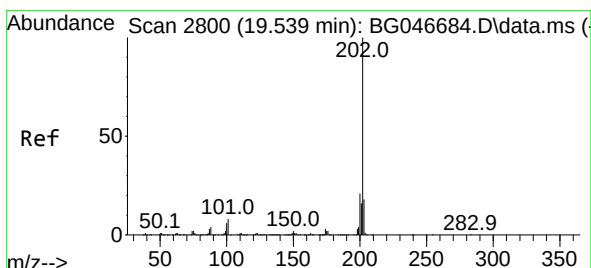
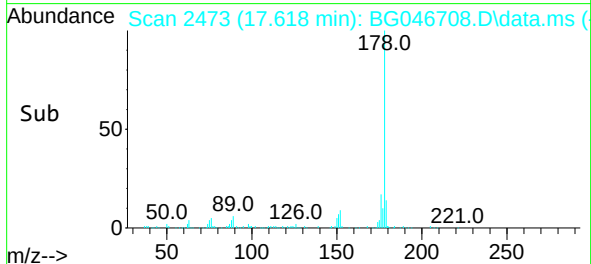
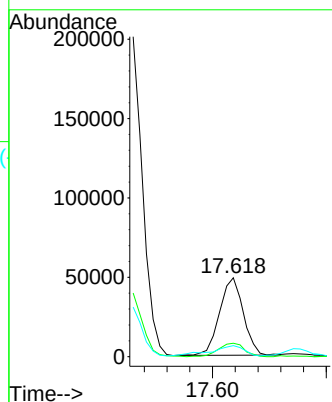
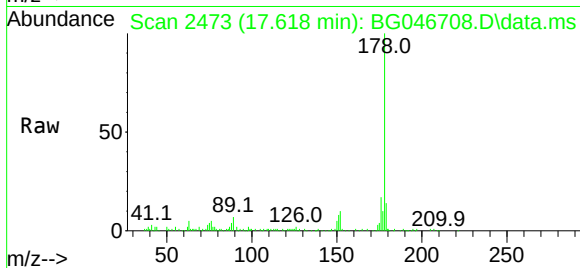




#72
 Anthracene
 Concen: 2.82 ng
 RT: 17.618 min Scan# 2473
 Delta R.T. -0.006 min
 Lab File: BG046708.D
 Acq: 25 Sep 2020 19:09

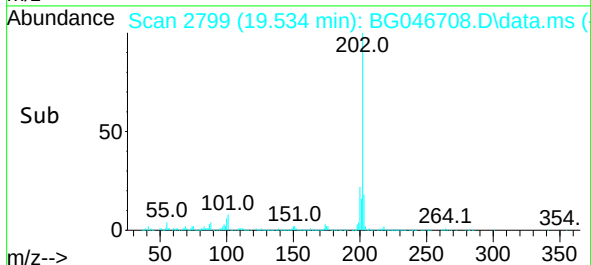
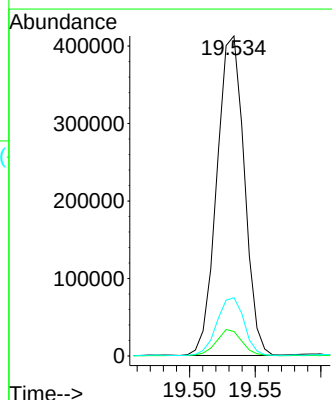
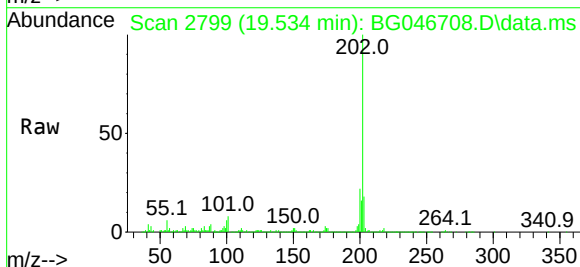
Instrument :
 BNA_G
 ClientSampleId :
 B-2(11-13)

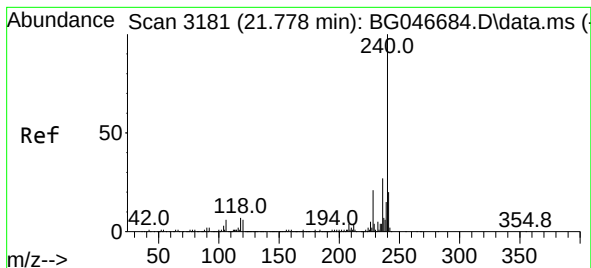
Tgt Ion:178 Resp: 70719
 Ion Ratio Lower Upper
 178 100
 176 17.0 16.4 24.6
 179 14.0 13.8 20.6



#75
 Fluoranthene
 Concen: 18.49 ng
 RT: 19.534 min Scan# 2799
 Delta R.T. -0.006 min
 Lab File: BG046708.D
 Acq: 25 Sep 2020 19:09

Tgt Ion:202 Resp: 599547
 Ion Ratio Lower Upper
 202 100
 101 7.7 0.0 29.7
 203 18.2 0.0 39.2





#76

Chrysene-d12

Concen: 20.00 ng

RT: 21.766 min Scan# 3179

Delta R.T. -0.012 min

Lab File: BG046708.D

Acq: 25 Sep 2020 19:09

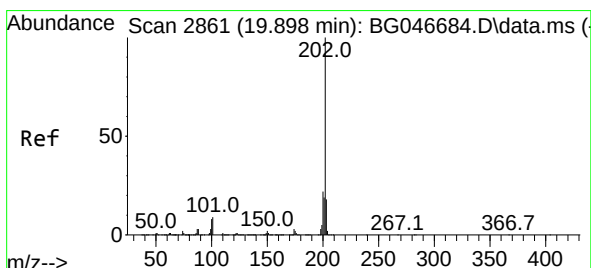
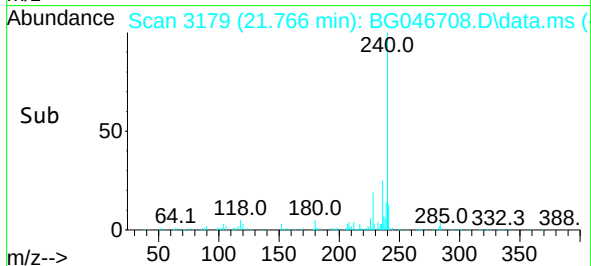
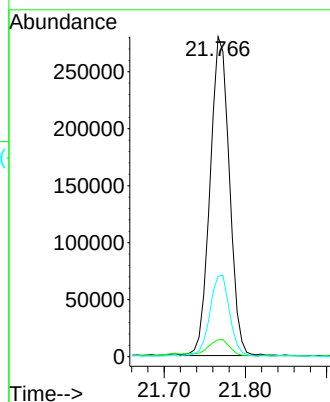
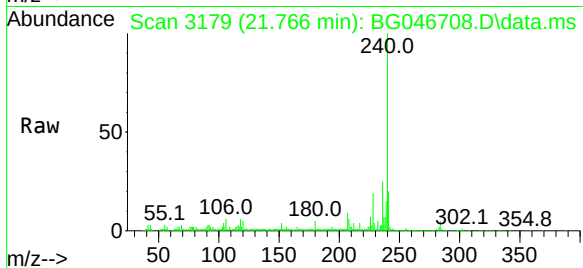
Tgt Ion:240 Resp: 462960

Ion Ratio Lower Upper

240 100

120 5.3 6.2 9.4#

236 25.2 20.5 30.7



#78

Pyrene

Concen: 19.20 ng

RT: 19.892 min Scan# 2860

Delta R.T. -0.006 min

Lab File: BG046708.D

Acq: 25 Sep 2020 19:09

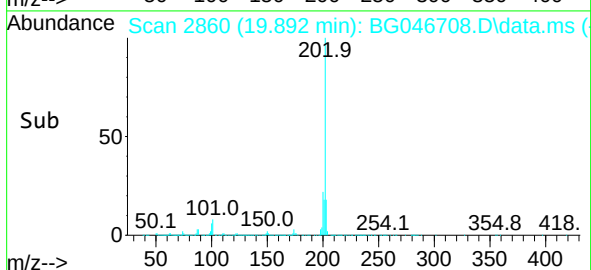
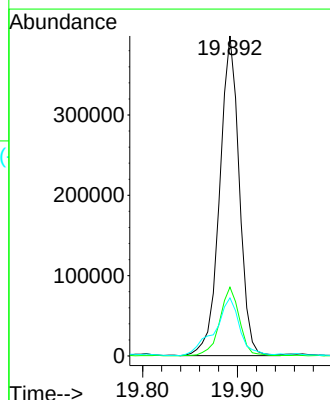
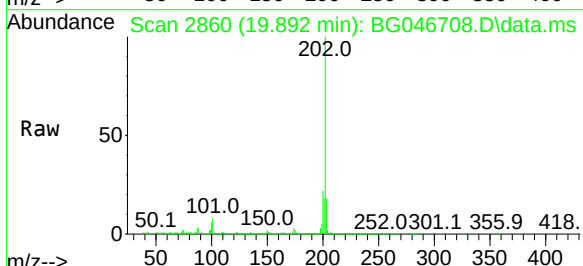
Tgt Ion:202 Resp: 571334

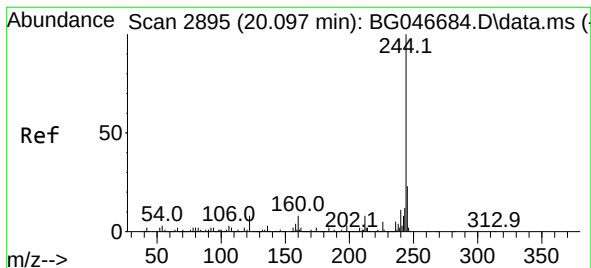
Ion Ratio Lower Upper

202 100

200 21.5 18.6 27.8

203 18.1 15.3 22.9





#79

Terphenyl-d14

Concen: 59.08 ng

RT: 20.092 min Scan# 2894

Delta R.T. -0.005 min

Lab File: BG046708.D

Acq: 25 Sep 2020 19:09

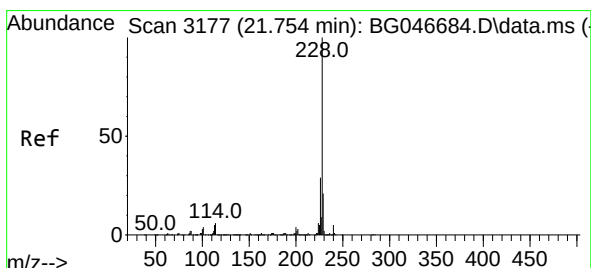
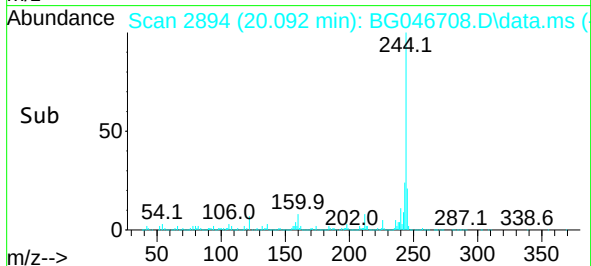
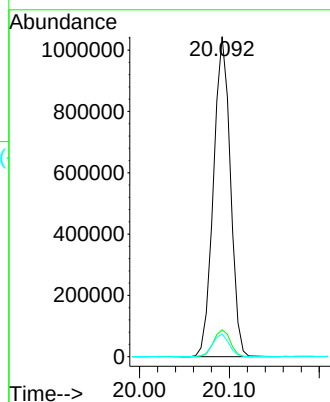
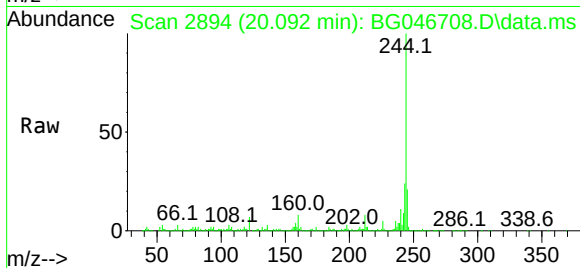
Tgt Ion:244 Resp: 1364653

Ion Ratio Lower Upper

244 100

212 8.4 6.7 10.1

122 7.1 7.8 11.6#



#81

Benzo(a)anthracene

Concen: 10.56 ng

RT: 21.749 min Scan# 3176

Delta R.T. -0.006 min

Lab File: BG046708.D

Acq: 25 Sep 2020 19:09

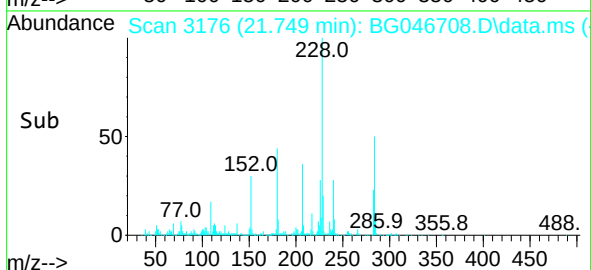
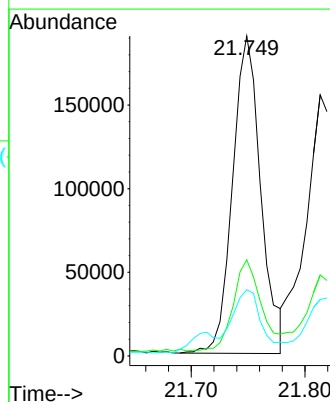
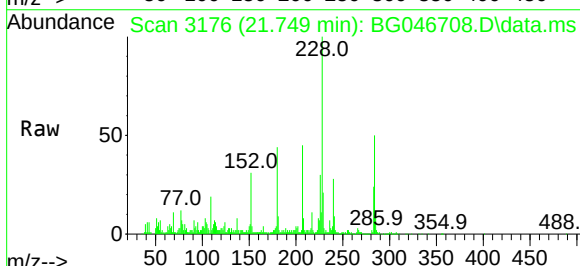
Tgt Ion:228 Resp: 326506

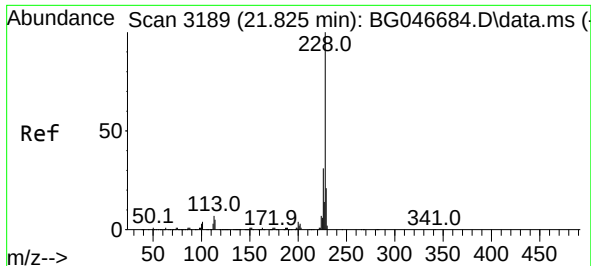
Ion Ratio Lower Upper

228 100

226 30.1 23.3 34.9

229 20.7 17.4 26.0

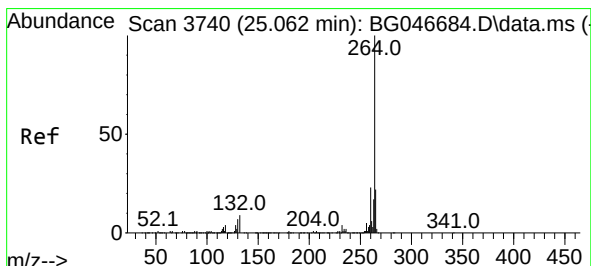
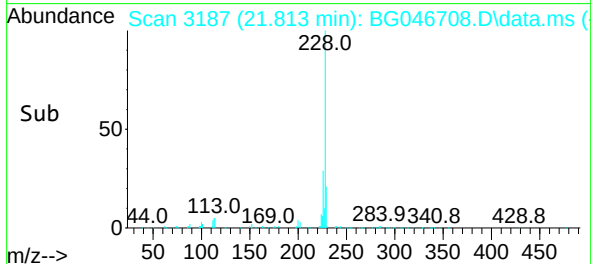
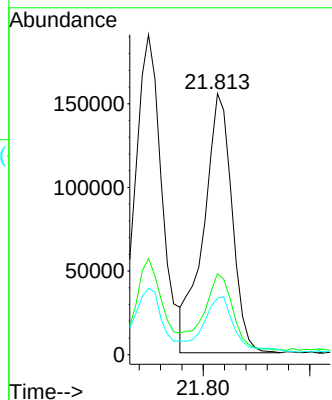
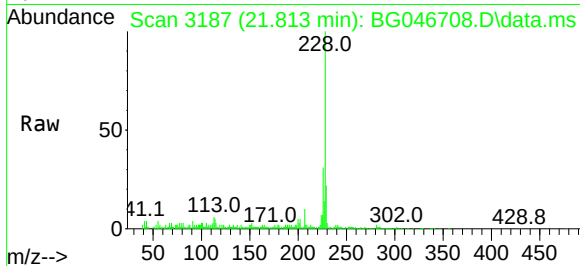




#83
Chrysene
Concen: 9.70 ng
RT: 21.813 min Scan# 3187
Delta R.T. -0.011 min
Lab File: BG046708.D
Acq: 25 Sep 2020 19:09

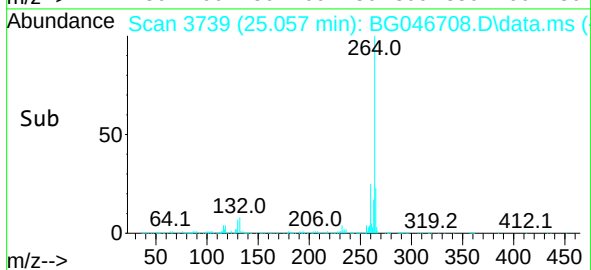
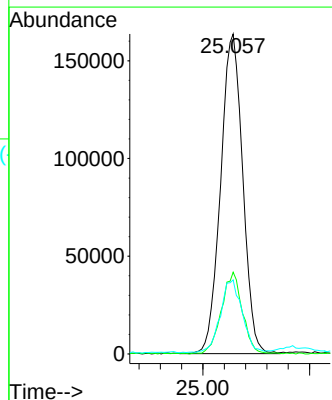
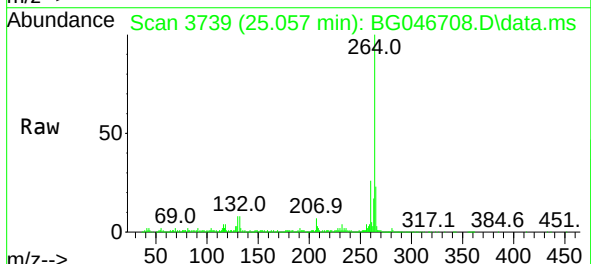
Instrument :
BNA_G
ClientSampled :
B-2(11-13)

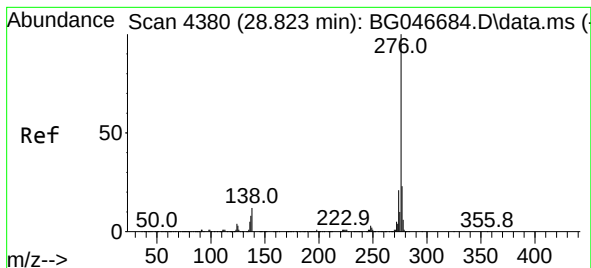
Tgt Ion:	228	Resp:	286587
Ion Ratio	Lower	Upper	
228	100		
226	31.0	25.0	37.4
229	21.6	17.3	25.9



#86
Perylene-d12
Concen: 20.00 ng
RT: 25.057 min Scan# 3739
Delta R.T. -0.005 min
Lab File: BG046708.D
Acq: 25 Sep 2020 19:09

Tgt Ion:	264	Resp:	470662
Ion Ratio	Lower	Upper	
264	100		
260	25.5	18.8	28.2
265	23.1	17.8	26.8





#87

Indeno(1,2,3-cd)pyrene

Concen: 5.57 ng

RT: 28.799 min Scan# 4376

Delta R.T. -0.023 min

Lab File: BG046708.D

Acq: 25 Sep 2020 19:09

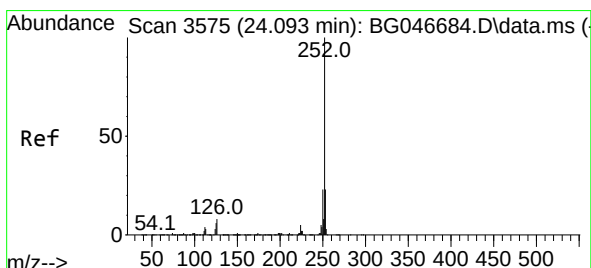
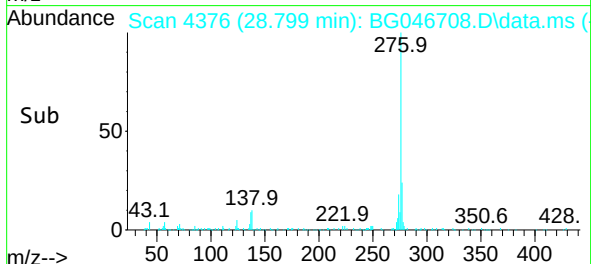
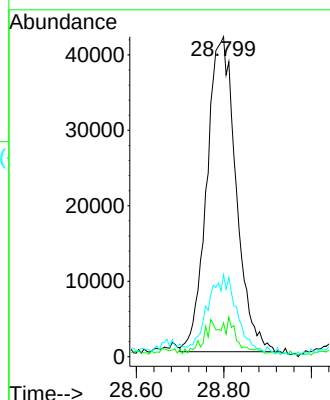
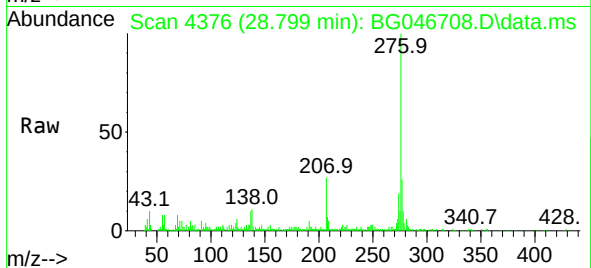
Tgt Ion:	276	Resp:	194044
Ion Ratio	Lower	Upper	
276	100		
138	0.0	16.2	24.2#
277	23.9	20.3	30.5

Instrument :

BNA_G

ClientSampleId :

B-2(11-13)



#89

Benzo(k)fluoranthene

Concen: 2.00 ng

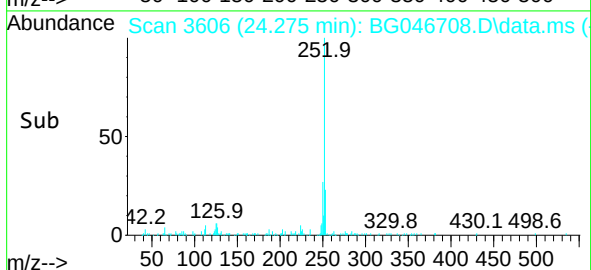
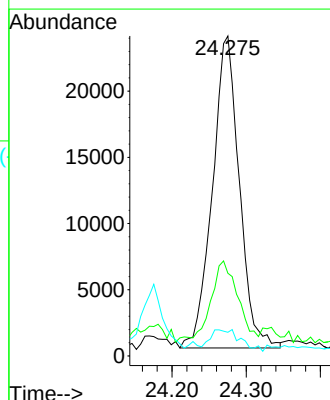
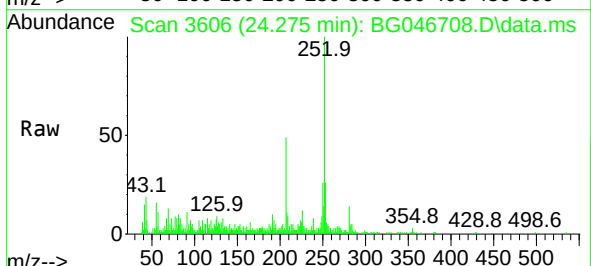
RT: 24.275 min Scan# 3606

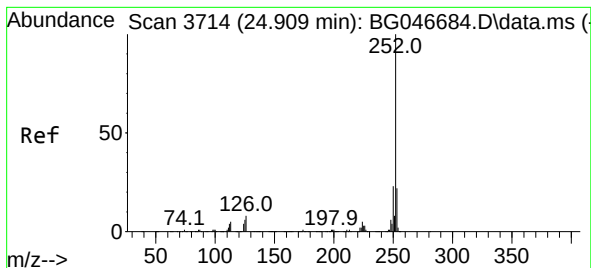
Delta R.T. 0.182 min

Lab File: BG046708.D

Acq: 25 Sep 2020 19:09

Tgt Ion:	252	Resp:	59399
Ion Ratio	Lower	Upper	
252	100		
253	25.9	18.6	27.8
125	7.4	6.8	10.2

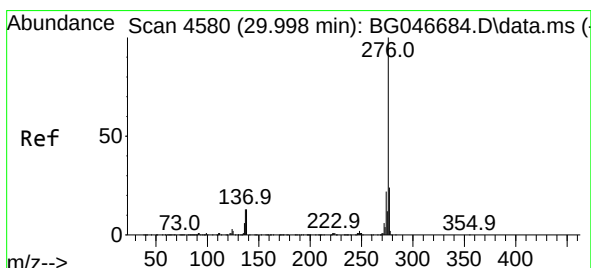
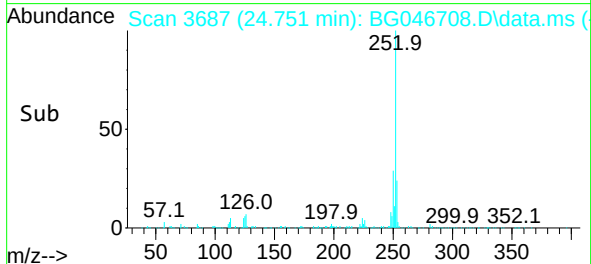
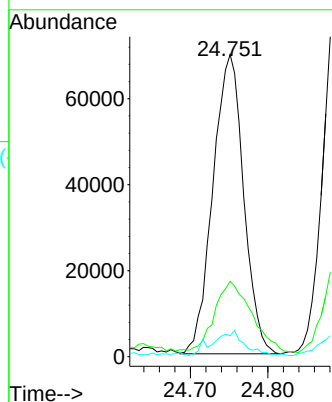
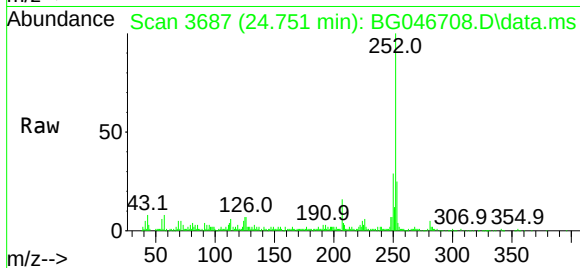




#90
Benzo(a)pyrene
Concen: 6.60 ng
RT: 24.751 min Scan# 3687
Delta R.T. -0.158 min
Lab File: BG046708.D
Acq: 25 Sep 2020 19:09

Instrument :
BNA_G
ClientSampleId :
B-2(11-13)

Tgt Ion:252 Resp: 191445
Ion Ratio Lower Upper
252 100
253 24.9 17.9 26.9
125 7.0 7.0 10.4



#92
Benzo(g,h,i)perylene
Concen: 6.56 ng
RT: 29.963 min Scan# 4574
Delta R.T. -0.035 min
Lab File: BG046708.D
Acq: 25 Sep 2020 19:09

Tgt Ion:276 Resp: 182643
Ion Ratio Lower Upper
276 100
277 21.7 19.6 29.4
138 13.8 13.4 20.2

