

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG080215\
 Data File : BG018227.D
 Acq On : 2 Aug 2015 15:50
 Operator : TP
 Sample : G3065-21RE
 Misc :
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 C02G6RE

Quant Time: Aug 03 06:01:54 2015
 Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG073115.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Mon Aug 03 05:58:42 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.48	152	149310	20.00	ng/ul	0.00
18) Naphthalene-d8	10.27	136	657201	20.00	ng/ul	0.02
36) Acenaphthene-d10	14.16	164	337475	20.00	ng/ul	0.02
62) Phenanthrene-d10	16.93	188	545811	20.00	ng/ul	0.02
78) Chrysene-d12	21.14	240	750781	20.00	ng/ul	0.03
86) Perylene-d12	23.21	264	427338	20.00	ng/ul	-0.08

System Monitoring Compounds

3) 1,4-Dioxane-d8	2.97	96	1707	0.86	ng/uL	0.01
5) Phenol-d5	6.68	99	128623	9.58	ng/ul	0.02
7) Bis-(2-Chloroethyl)ether-d	6.83	67	57013	8.31	ng/ul	0.01
9) 2-Chlorophenol-d4	7.02	132	110613	10.91	ng/ul	0.01
13) 4-Methylphenol-d8	8.21	113	102838	9.41	ng/ul	0.01
19) Nitrobenzene-d5	8.64	128	59280	11.45	ng/ul	0.01
22) 2-Nitrophenol-d4	9.36	143	67568	11.37	ng/ul	0.01
26) 2,4-Dichlorophenol-d3	9.90	165	123739	11.78	ng/ul	0.02
29) 4-Chloroaniline-d4	10.42	131	15479	1.18	ng/ul	0.01
44) Dimethylphthalate-d6	13.58	166	306916	11.77	ng/ul	0.01
47) Acenaphthylene-d8	13.85	160	365757	12.10	ng/ul	0.02
52) 4-Nitrophenol-d4	14.42	143	39479	8.18	ng/ul	0.02
58) Fluorene-d10	15.16	176	239154	10.13	ng/ul	0.01
63) 4,6-Dinitro-2-methylphenol	15.32	200	4699	1.23	ng/ul	0.02
71) Anthracene-d10	17.03	188	290296	12.23	ng/ul	0.02
79) Pyrene-d10	19.34	212	323758	8.91	ng/ul	0.02
90) Benzo(a)pyrene-d12	23.10	264	519	0.02	ng/ul	-0.05

Target Compounds

						Qvalue
28) Naphthalene	10.32	128	1186272	37.49	ng/ul	99
34) 2-Methylnaphthalene	11.95	142	891339	35.59	ng/ul	98
35) 1-Methylnaphthalene	12.17	142	890805	37.07	ng/ul#	97
41) 1,1'-Biphenyl	12.98	154	198006	8.21	ng/ul	97
45) Dimethylphthalate	13.62	163	190236	7.33	ng/ul	99
48) Acenaphthylene	13.88	152	585907	19.51	ng/ul#	95
50) Acenaphthene	14.22	153	120755	6.17	ng/ul	98
54) Dibenzofuran	14.56	168	118284	4.01	ng/ul#	76
55) 2,4-Dinitrotoluene	14.55	165	12291	1.42	ng/ul#	27
59) Fluorene	15.22	166	471551	18.55	ng/ul	100
65) N-Nitrosodiphenylamine	15.44	169	23193	1.64	ng/ul	96
70) Phenanthrene	17.06	178	284677	10.27	ng/ul	99
72) Anthracene	17.06	178	287702	10.43	ng/ul	98
75) Carbazole	17.33	167	45369	1.98	ng/ul#	94
76) Di-n-butylphthalate	17.91	149	87961	2.88	ng/ul#	94
77) Fluoranthene	19.01	202	1742116	57.21	ng/ul	97
80) Pyrene	19.38	202	1934998	42.49	ng/ul	97
81) Butylbenzylphthalate	20.28	149	101828	5.50	ng/ul#	79
83) Benzo(a)anthracene	21.13	228	1279740	31.65	ng/ul#	86
84) Bis(2-ethylhexyl)phthalate	21.14	149	30661	1.23	ng/ul	94
85) Chrysene	21.19	228	1449151	39.13	ng/ul#	86
88) Benzo(b)fluoranthene	22.70	252	1401567	54.60	ng/ul	96
89) Benzo(k)fluoranthene	22.70	252	1401567	59.40	ng/ul	96

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Instrument :
BNA_G
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C02G6RE

Quant Time: Aug 03 06:01:54 2015
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG073115.M
Quant Title : SVOA CALIBRATION
QLast Update : Mon Aug 03 05:58:42 2015
Response via : Initial Calibration

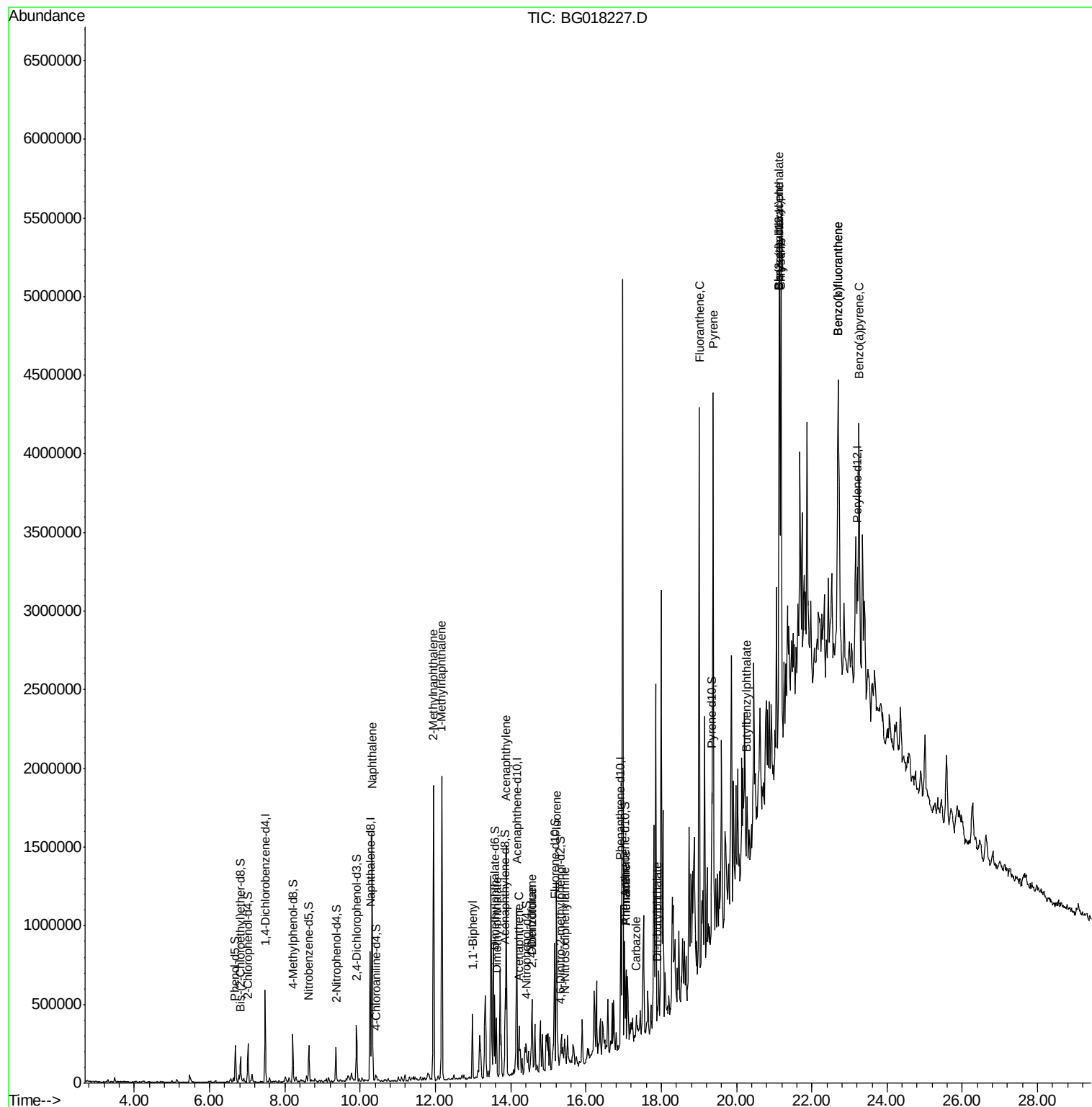
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
91) Benzo(a)pyrene	23.26	252	922155	40.15	ng/ul	94

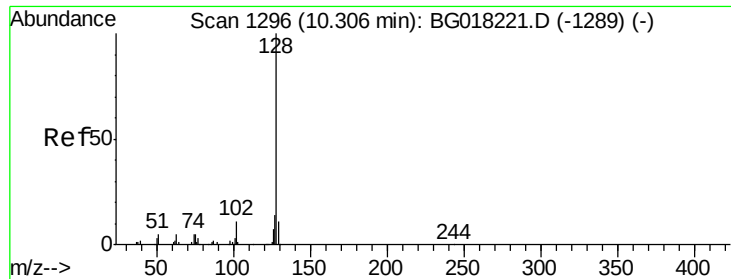
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Instrument :
BNA_G
ClientSampled :
C02G6RE

Quant Time: Aug 03 06:01:54 2015
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Quant Title : SVOA CALIBRATION
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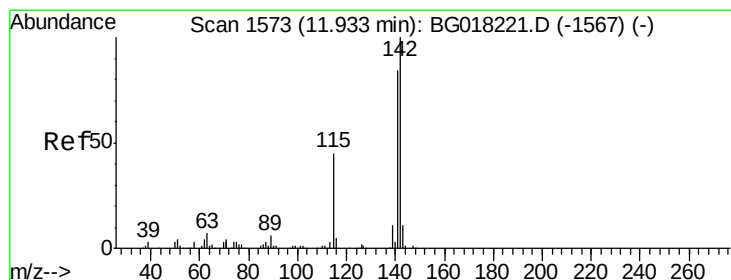
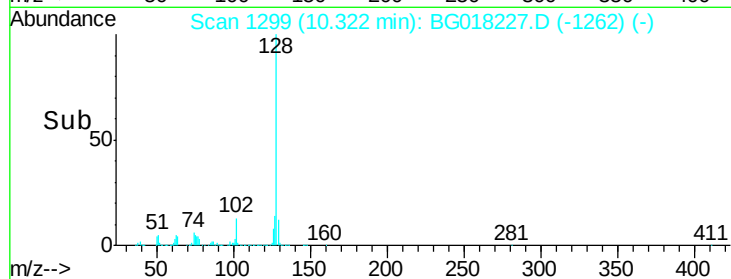
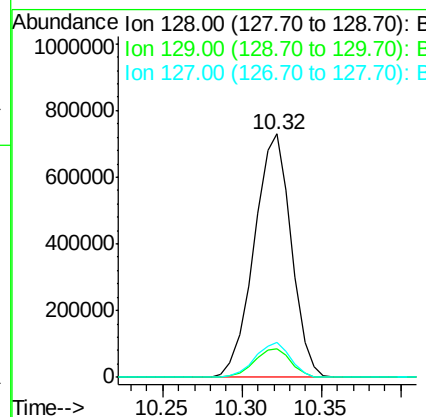
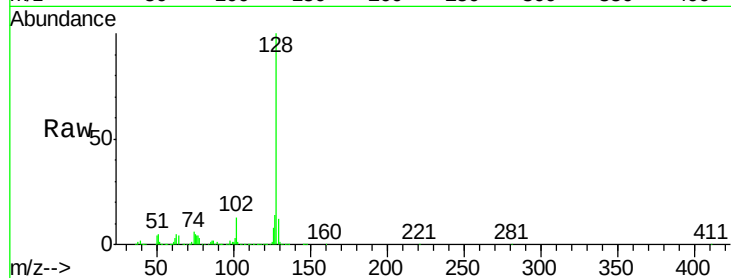




#28
Naphthalene
Concen: 37.49 ng/ul
RT: 10.32 min Scan# 1299
Delta R.T. 0.02 min
Lab File: BG018227.D
Acq: 2 Aug 2015 15:50

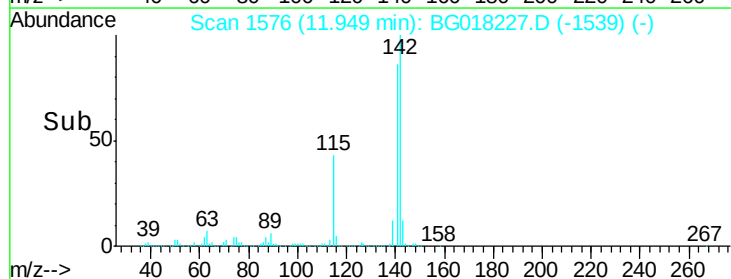
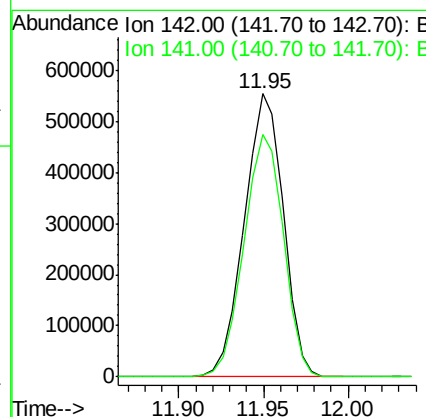
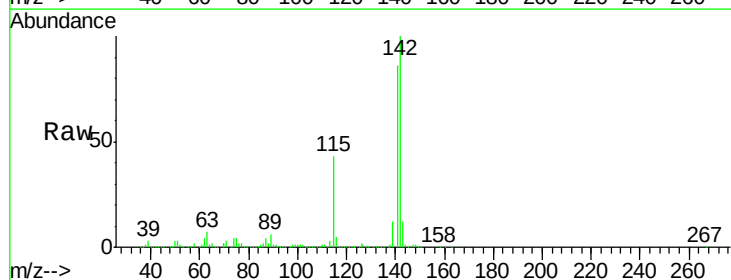
Instrument :
BNA_G
ClientSampleId :
C02G6RE

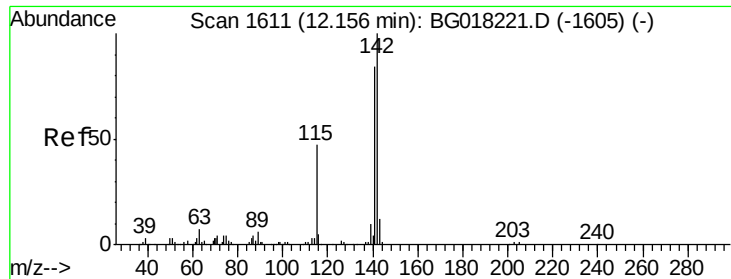
Tgt Ion:128 Resp: 1186272
Ion Ratio Lower Upper
128 100
129 11.8 9.1 13.7
127 14.2 11.2 16.8



#34
2-Methylnaphthalene
Concen: 35.59 ng/ul
RT: 11.95 min Scan# 1576
Delta R.T. 0.02 min
Lab File: BG018227.D
Acq: 2 Aug 2015 15:50

Tgt Ion:142 Resp: 891339
Ion Ratio Lower Upper
142 100
141 85.8 70.3 105.5

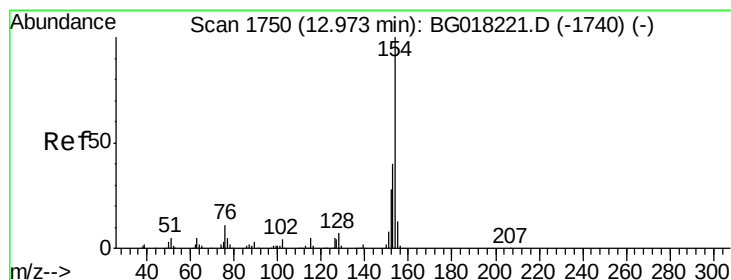
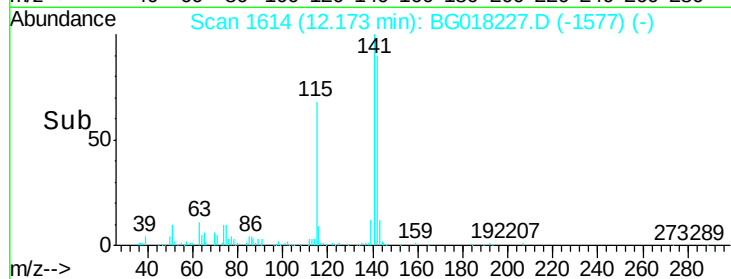
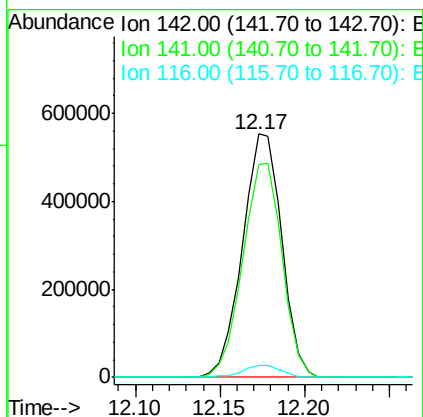
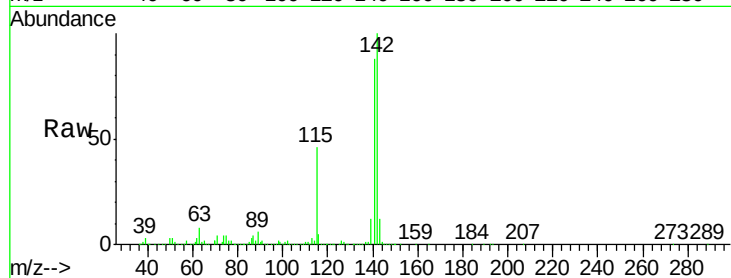




#35
 1-Methylnaphthalene
 Concen: 37.07 ng/ul
 RT: 12.17 min Scan# 1614
 Delta R.T. 0.02 min
 Lab File: BG018227.D
 Acq: 2 Aug 2015 15:50

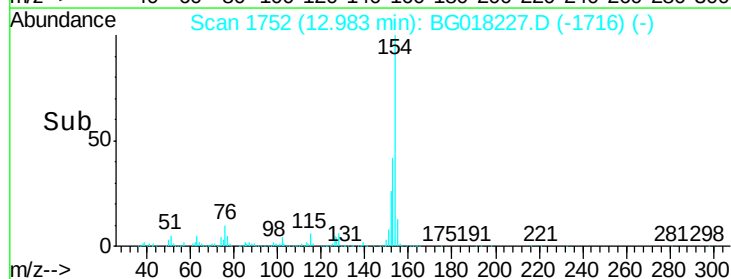
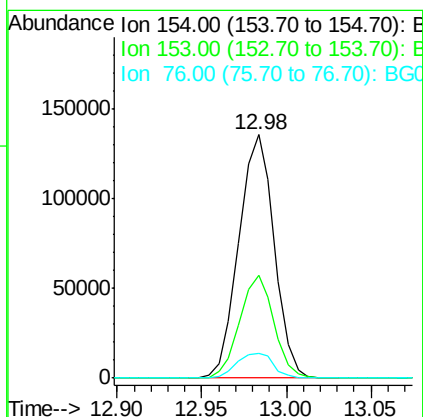
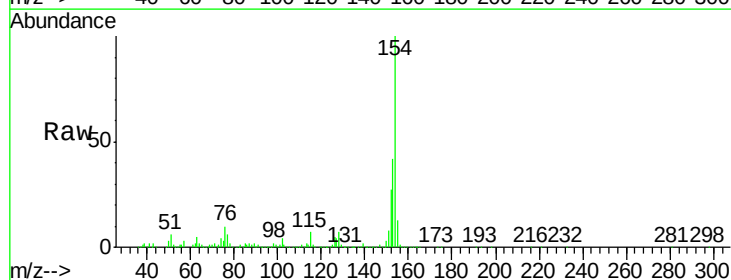
Instrument :
 BNA_G
 ClientSampleId :
 C02G6RE

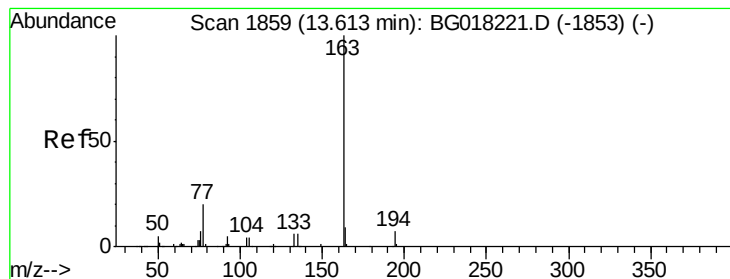
Tgt Ion	Ratio	Lower	Upper
142	100		
141	87.6	72.5	108.7
116	4.9	2.6	4.0#



#41
 1,1'-Biphenyl
 Concen: 8.21 ng/ul
 RT: 12.98 min Scan# 1752
 Delta R.T. 0.01 min
 Lab File: BG018227.D
 Acq: 2 Aug 2015 15:50

Tgt Ion	Ratio	Lower	Upper
154	100		
153	42.2	32.3	48.5
76	10.0	7.4	11.0





#45

Dimethylphthalate

Concen: 7.33 ng/ul

RT: 13.62 min Scan# 1861

Delta R.T. 0.01 min

Lab File: BG018227.D

Acq: 2 Aug 2015 15:50

Instrument :

BNA_G

ClientSampleId :

C02G6RE

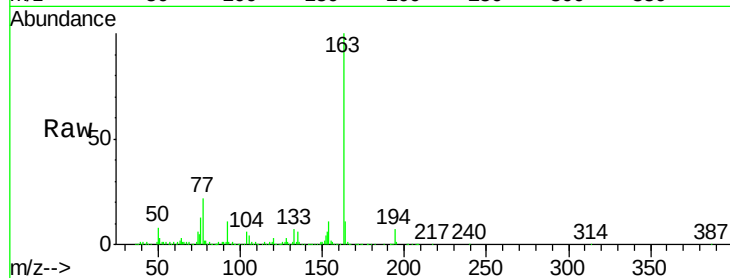
Tgt Ion:163 Resp: 190236

Ion Ratio Lower Upper

163 100

194 6.8 5.2 7.8

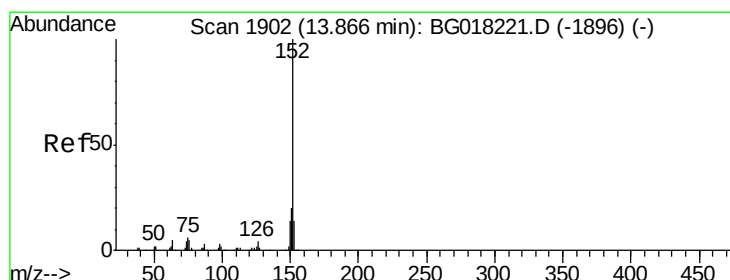
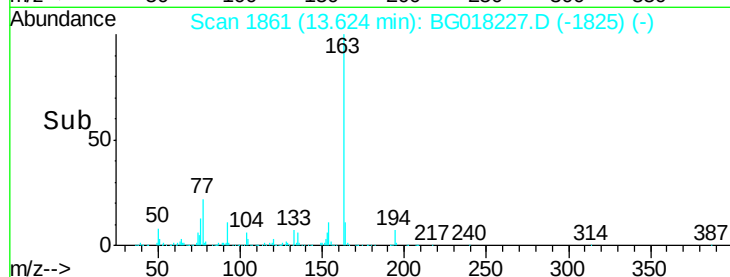
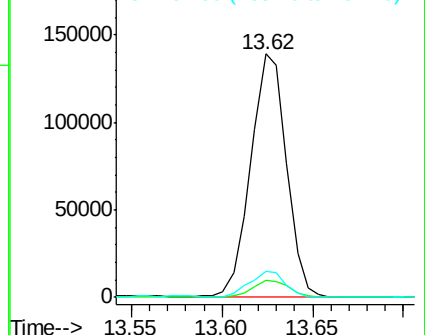
164 10.8 8.4 12.6



Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#48

Acenaphthylene

Concen: 19.51 ng/ul

RT: 13.88 min Scan# 1905

Delta R.T. 0.02 min

Lab File: BG018227.D

Acq: 2 Aug 2015 15:50

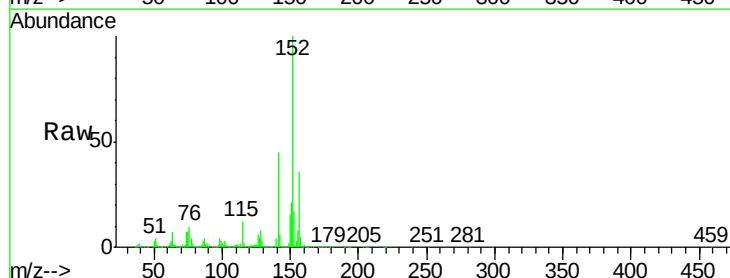
Tgt Ion:152 Resp: 585907

Ion Ratio Lower Upper

152 100

151 21.2 16.0 24.0

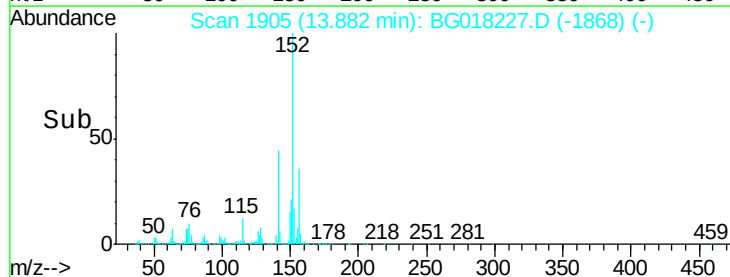
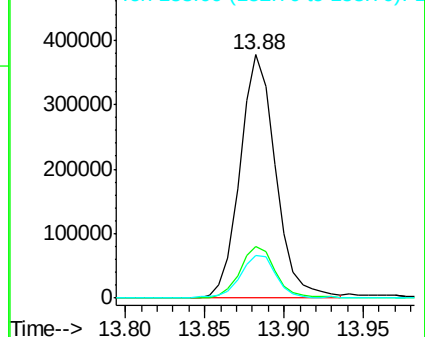
153 17.5 11.0 16.4#

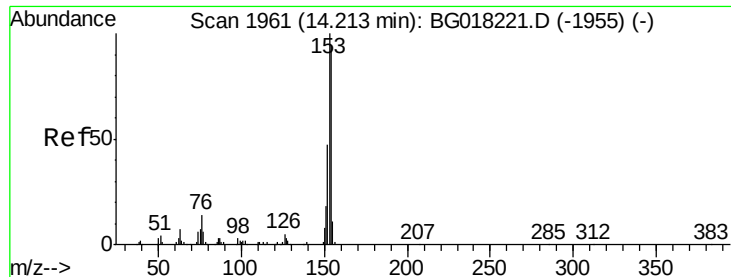


Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E





#50

Acenaphthene

Concen: 6.17 ng/ul

RT: 14.22 min Scan# 1963

Delta R.T. 0.01 min

Lab File: BG018227.D

Acq: 2 Aug 2015 15:50

Instrument :

BNA_G

ClientSampleId :

C02G6RE

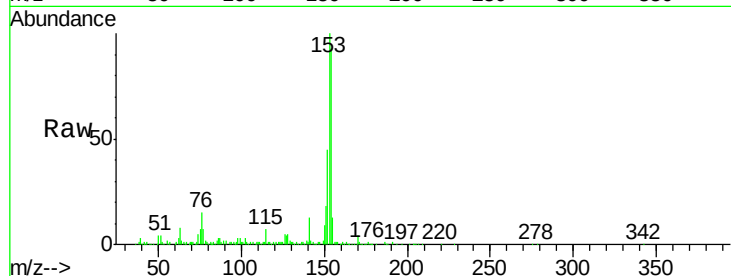
Tgt Ion:153 Resp: 120755

Ion Ratio Lower Upper

153 100

152 44.9 38.7 58.1

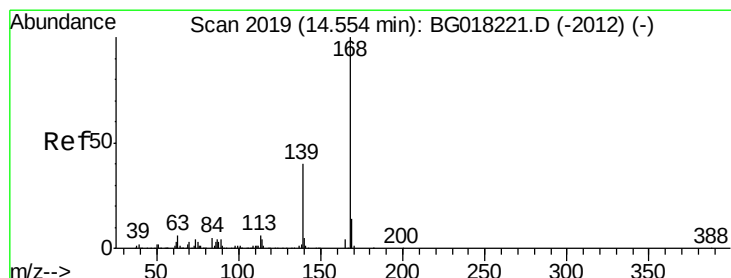
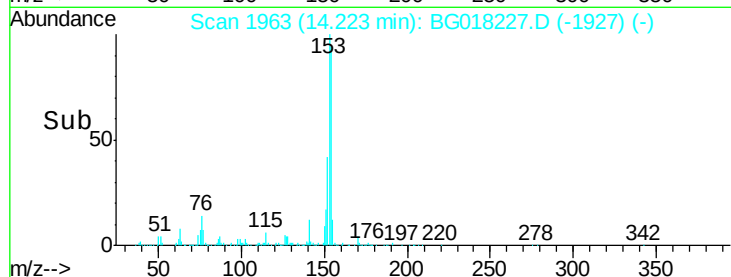
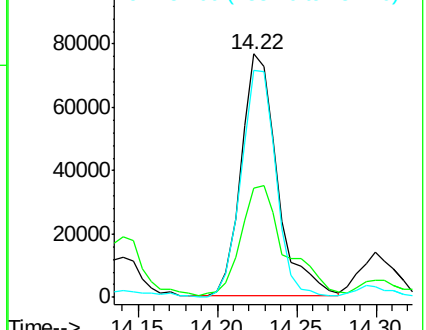
154 93.5 74.8 112.2



Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E



#54

Dibenzofuran

Concen: 4.01 ng/ul

RT: 14.56 min Scan# 2021

Delta R.T. 0.01 min

Lab File: BG018227.D

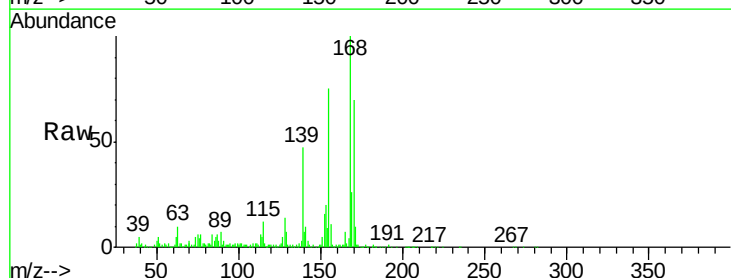
Acq: 2 Aug 2015 15:50

Tgt Ion:168 Resp: 118284

Ion Ratio Lower Upper

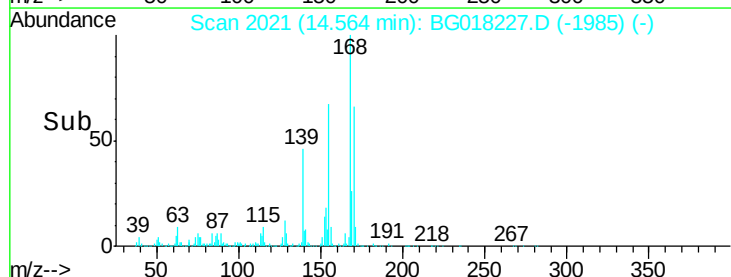
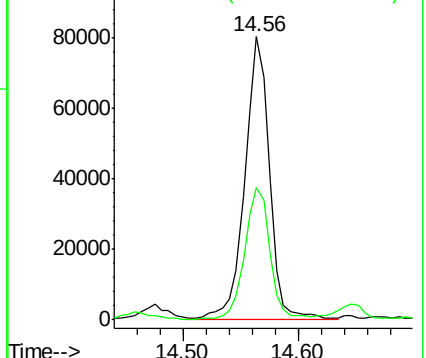
168 100

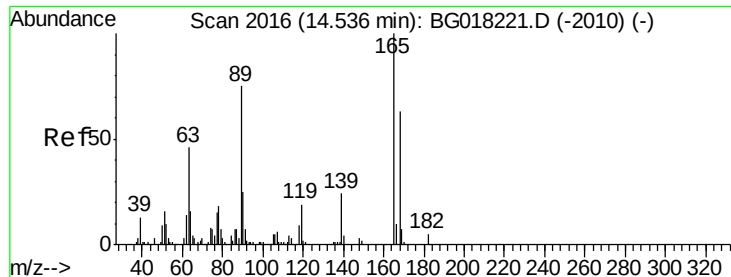
139 46.9 26.8 40.2#



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

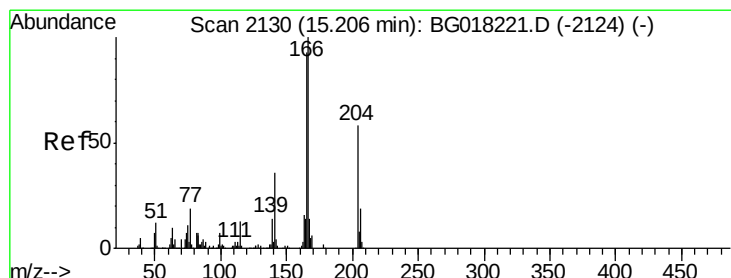
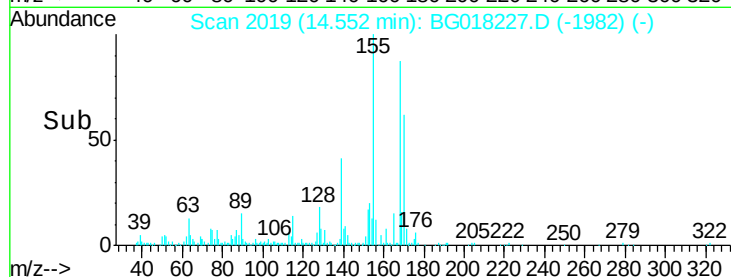
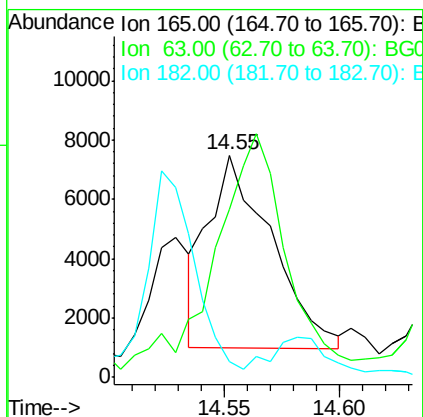
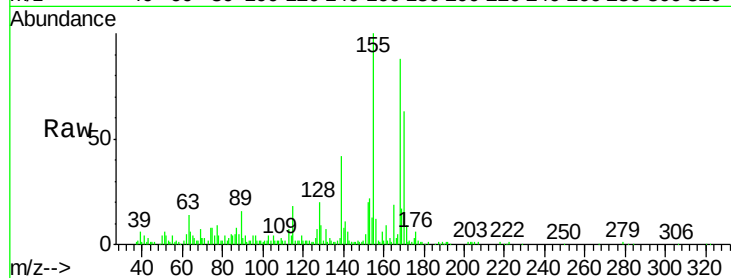




#55
2,4-Dinitrotoluene
Concen: 1.42 ng/ul
RT: 14.55 min Scan# 2019
Delta R.T. 0.02 min
Lab File: BG018227.D
Acq: 2 Aug 2015 15:50

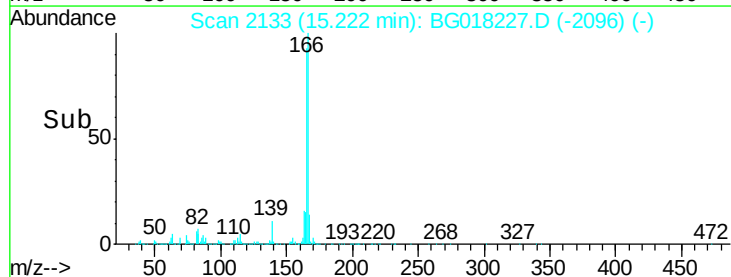
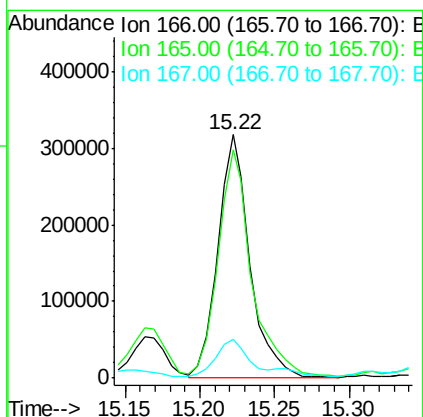
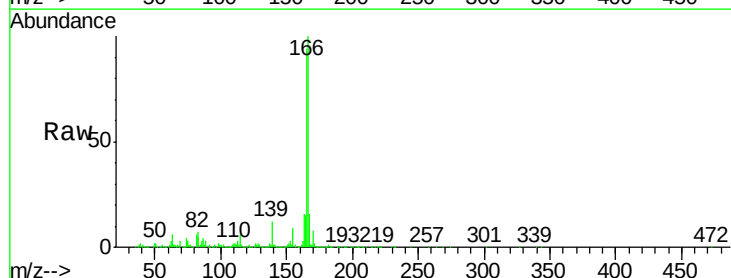
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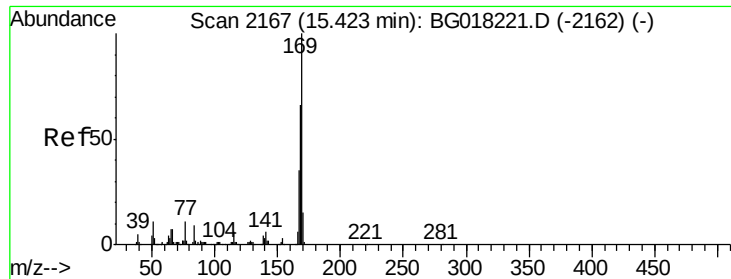
Tgt Ion:165 Resp: 12291
Ion Ratio Lower Upper
165 100
63 75.8 23.5 35.3#
182 6.8 4.4 6.6#



#59
Fluorene
Concen: 18.55 ng/ul
RT: 15.22 min Scan# 2133
Delta R.T. 0.02 min
Lab File: BG018227.D
Acq: 2 Aug 2015 15:50

Tgt Ion:166 Resp: 471551
Ion Ratio Lower Upper
166 100
165 93.8 75.1 112.7
167 15.9 11.8 17.6





#65

N-Nitrosodiphenylamine

Concen: 1.64 ng/ul

RT: 15.44 min Scan# 2170

Delta R.T. 0.02 min

Lab File: BG018227.D

Acq: 2 Aug 2015 15:50

Instrument :

BNA_G

ClientSampleId :

C02G6RE

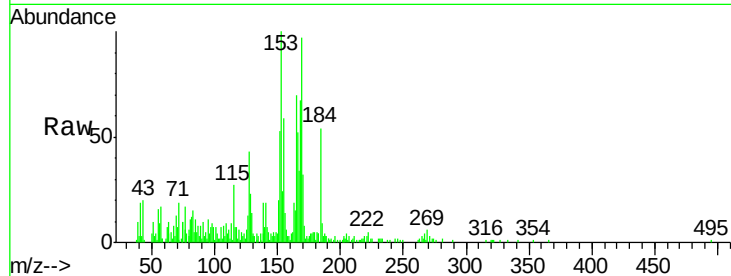
Tgt Ion:169 Resp: 23193

Ion Ratio Lower Upper

169 100

168 69.1 51.8 77.6

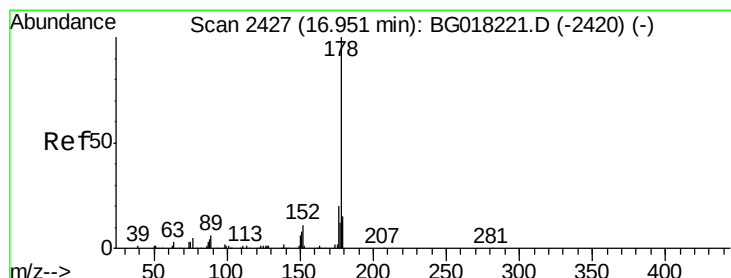
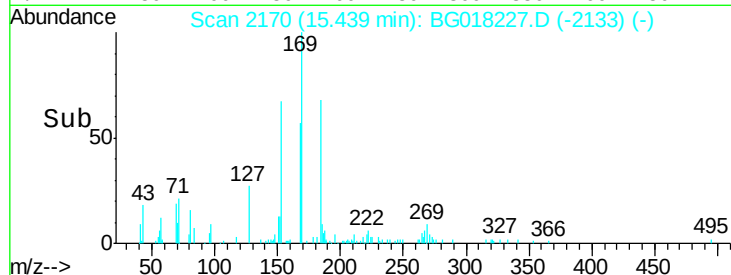
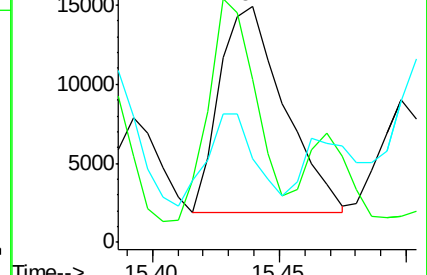
167 35.5 27.7 41.5



Abundance Ion 169.00 (168.70 to 169.70): E

Ion 168.00 (167.70 to 168.70): E

Ion 167.00 (166.70 to 167.70): E



#70

Phenanthrene

Concen: 10.27 ng/ul

RT: 17.06 min Scan# 2446

Delta R.T. 0.11 min

Lab File: BG018227.D

Acq: 2 Aug 2015 15:50

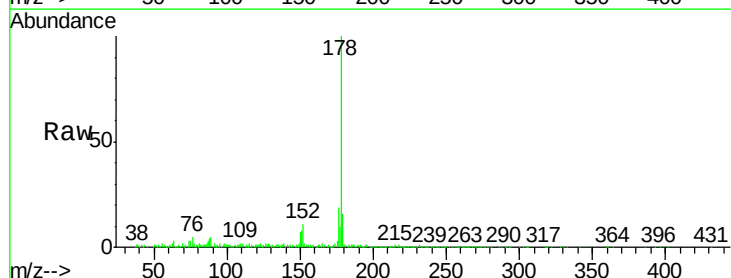
Tgt Ion:178 Resp: 284677

Ion Ratio Lower Upper

178 100

179 16.2 12.8 19.2

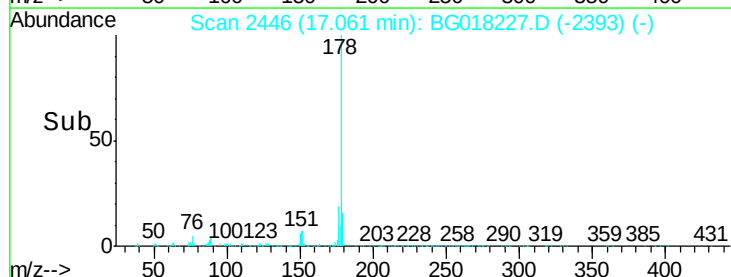
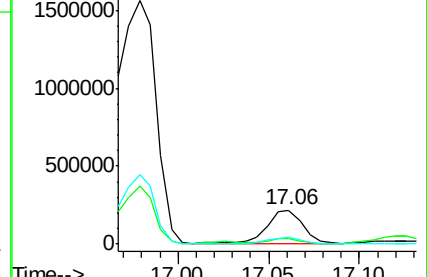
176 19.5 16.0 24.0

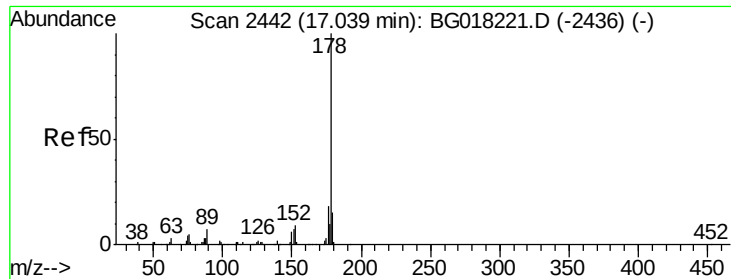


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#72

Anthracene

Concen: 10.43 ng/ul

RT: 17.06 min Scan# 2446

Delta R.T. 0.02 min

Lab File: BG018227.D

Acq: 2 Aug 2015 15:50

Instrument :

BNA_G

ClientSampleId :

C02G6RE

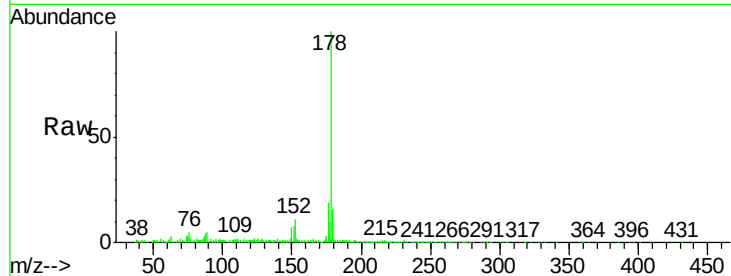
Tgt Ion:178 Resp: 287702

Ion Ratio Lower Upper

178 100

179 16.2 12.2 18.2

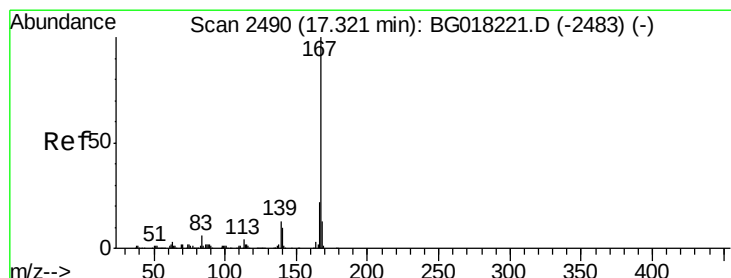
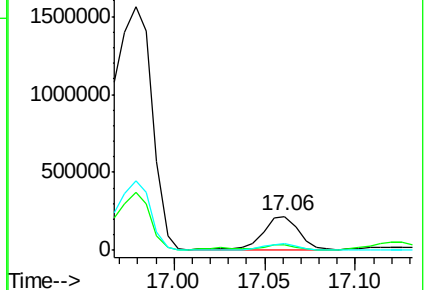
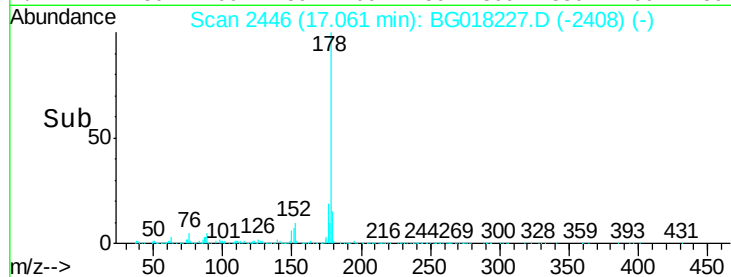
176 19.5 14.8 22.2



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E



#75

Carbazole

Concen: 1.98 ng/ul

RT: 17.33 min Scan# 2492

Delta R.T. 0.01 min

Lab File: BG018227.D

Acq: 2 Aug 2015 15:50

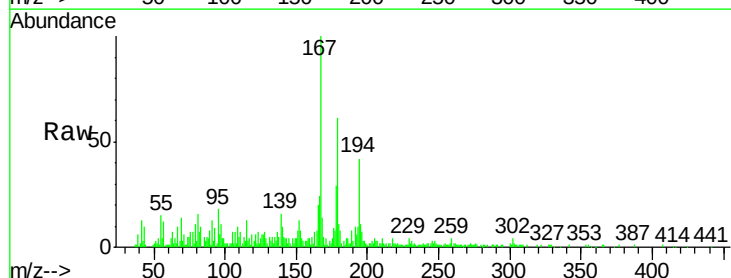
Tgt Ion:167 Resp: 45369

Ion Ratio Lower Upper

167 100

166 23.9 17.5 26.3

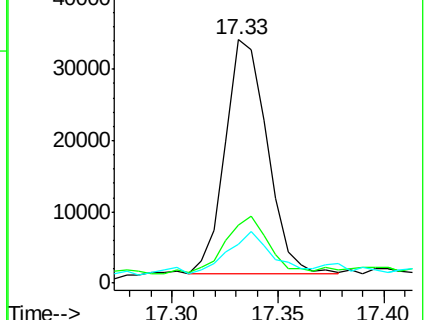
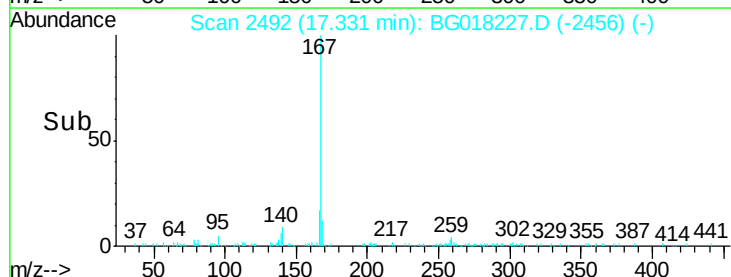
139 16.2 10.1 15.1#

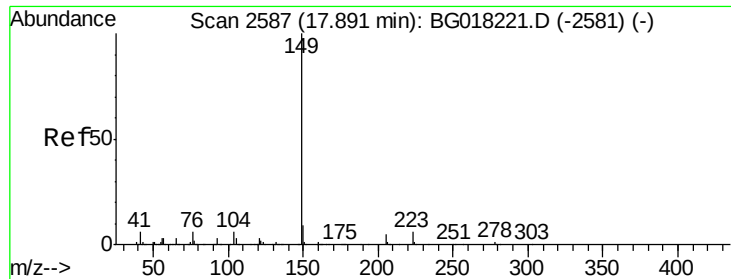


Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E





#76

Di-n-butylphthalate

Concen: 2.88 ng/ul

RT: 17.91 min Scan# 2590

Delta R.T. 0.02 min

Lab File: BG018227.D

Acq: 2 Aug 2015 15:50

Instrument :

BNA_G

ClientSampleId :

C02G6RE

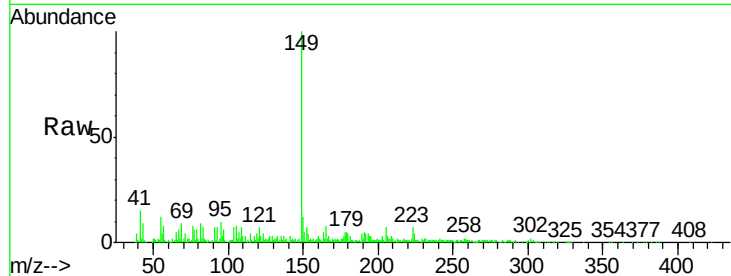
Tgt Ion:149 Resp: 87961

Ion Ratio Lower Upper

149 100

150 11.7 7.7 11.5#

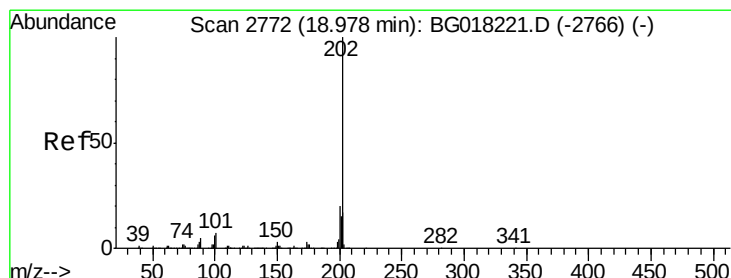
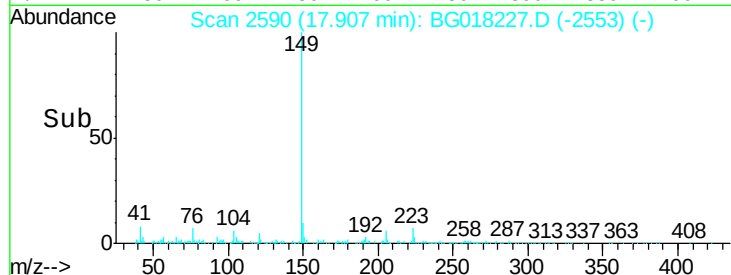
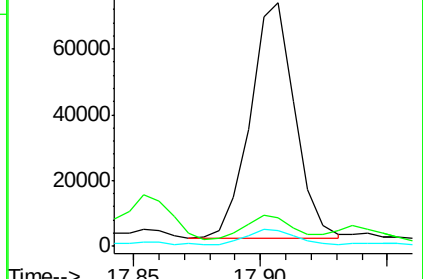
104 6.7 3.6 5.4#



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E



#77

Fluoranthene

Concen: 57.21 ng/ul

RT: 19.01 min Scan# 2778

Delta R.T. 0.03 min

Lab File: BG018227.D

Acq: 2 Aug 2015 15:50

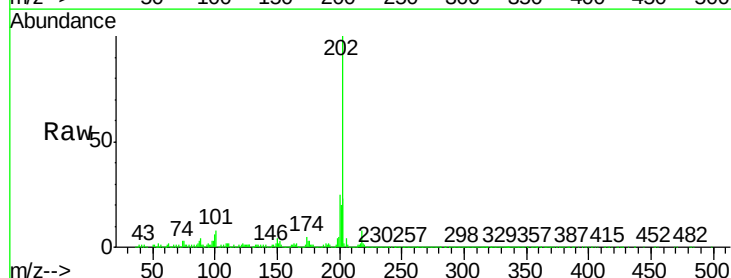
Tgt Ion:202 Resp: 1742116

Ion Ratio Lower Upper

202 100

101 7.7 7.5 11.3

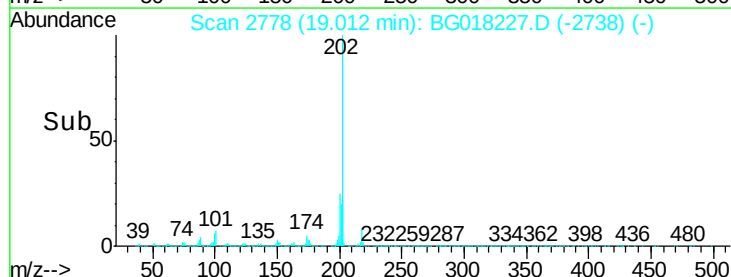
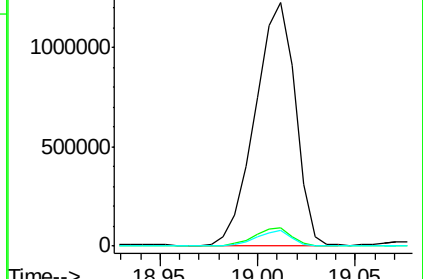
100 6.3 5.5 8.3

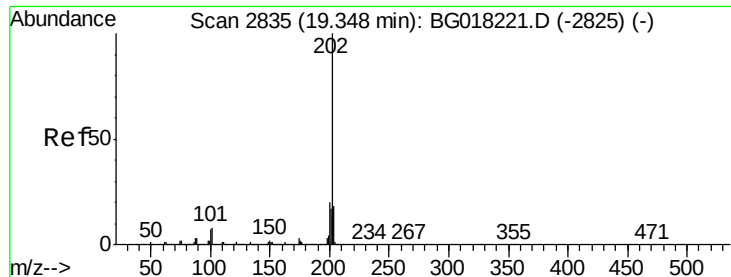


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): E

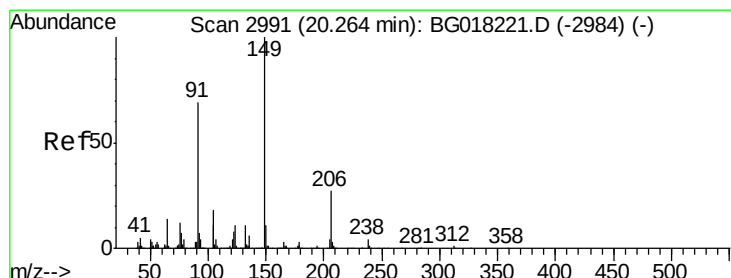
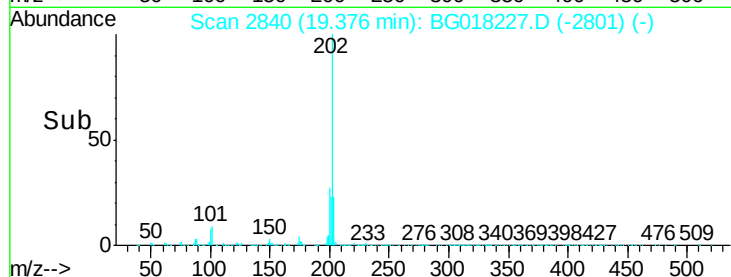
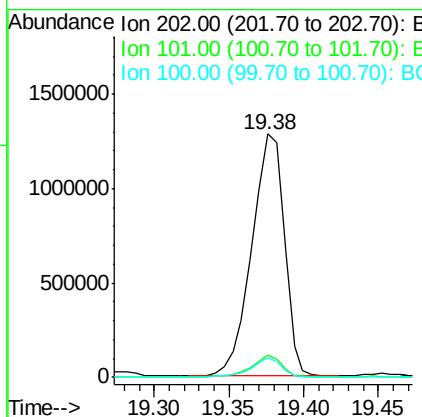
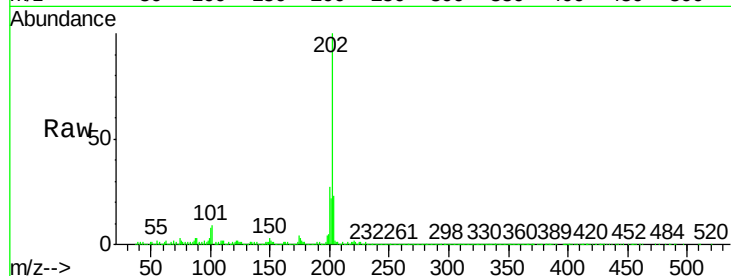




#80
 Pyrene
 Concen: 42.49 ng/ul
 RT: 19.38 min Scan# 2840
 Delta R.T. 0.03 min
 Lab File: BG018227.D
 Acq: 2 Aug 2015 15:50

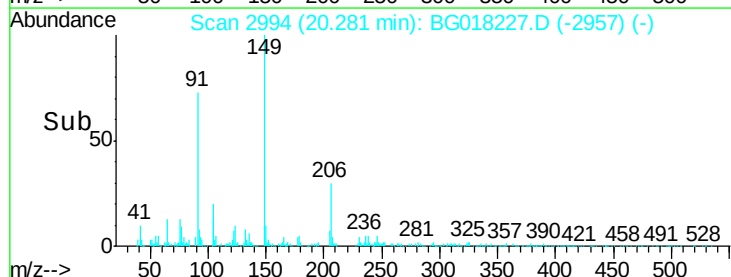
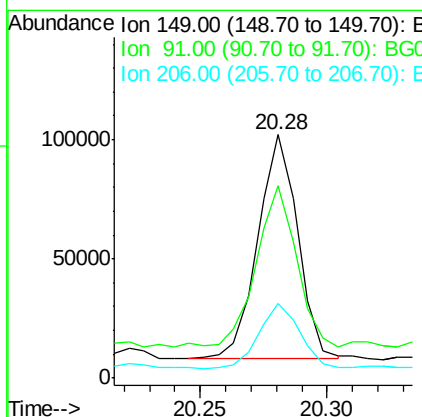
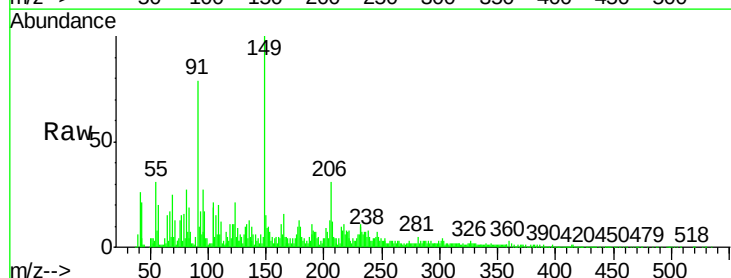
Instrument :
 BNA_G
 ClientSampleId :
 C02G6RE

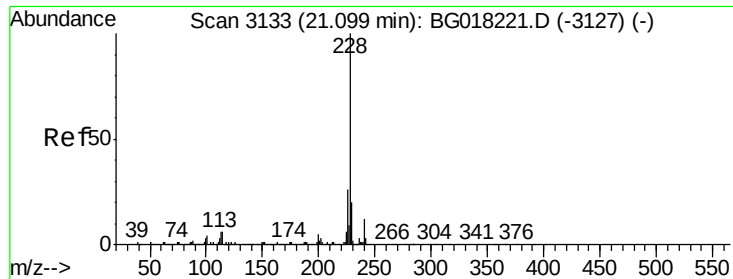
Tgt Ion:202 Resp: 1934998
 Ion Ratio Lower Upper
 202 100
 101 9.1 8.1 12.1
 100 7.9 7.4 11.0



#81
 Butylbenzylphthalate
 Concen: 5.50 ng/ul
 RT: 20.28 min Scan# 2994
 Delta R.T. 0.02 min
 Lab File: BG018227.D
 Acq: 2 Aug 2015 15:50

Tgt Ion:149 Resp: 101828
 Ion Ratio Lower Upper
 149 100
 91 79.0 46.6 69.8#
 206 30.8 21.8 32.8





#83

Benzo(a)anthracene

Concen: 31.65 ng/ul

RT: 21.13 min Scan# 3139

Delta R.T. 0.03 min

Lab File: BG018227.D

Acq: 2 Aug 2015 15:50

Instrument :

BNA_G

ClientSampleId :

C02G6RE

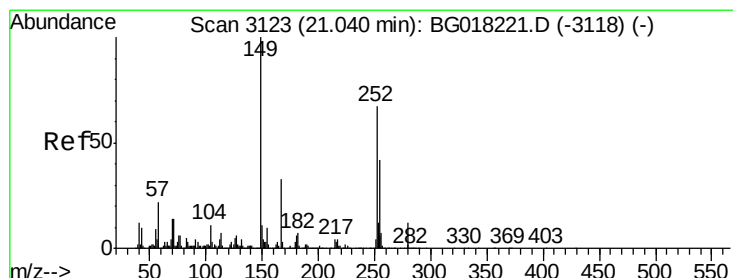
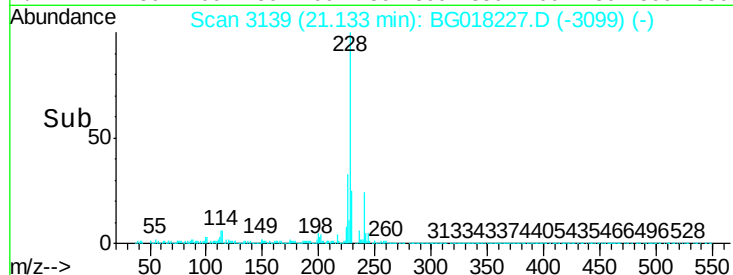
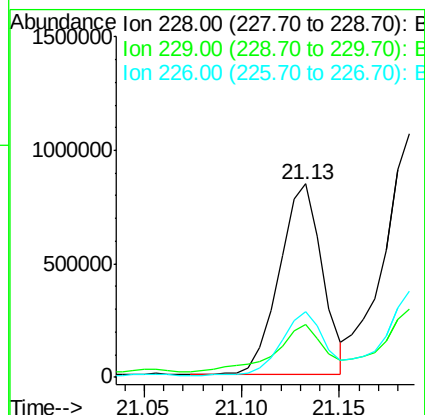
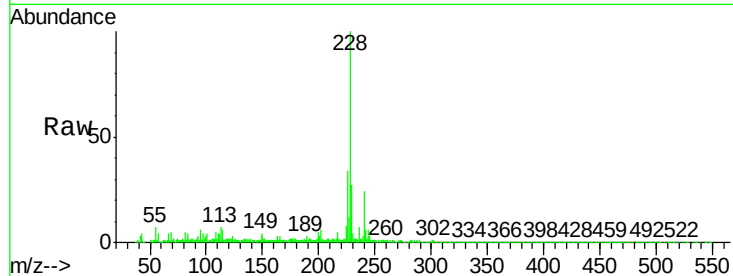
Tgt Ion:228 Resp: 1279740

Ion Ratio Lower Upper

228 100

229 27.3 16.5 24.7#

226 34.2 21.5 32.3#



#84

Bis(2-ethylhexyl)phthalate

Concen: 1.23 ng/ul

RT: 21.14 min Scan# 3140

Delta R.T. 0.10 min

Lab File: BG018227.D

Acq: 2 Aug 2015 15:50

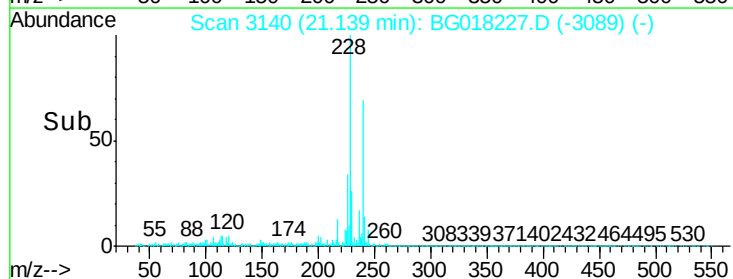
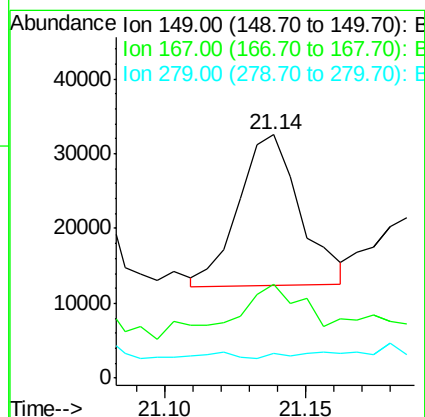
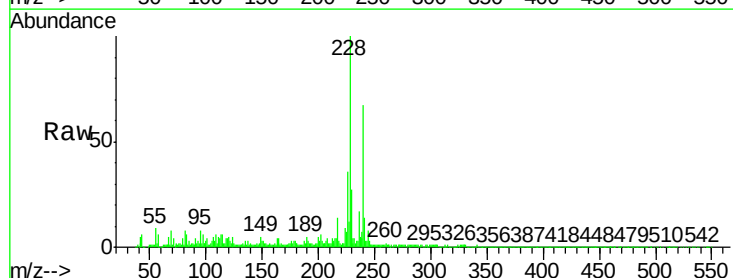
Tgt Ion:149 Resp: 30661

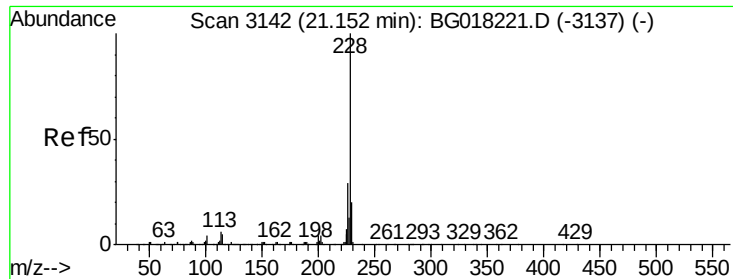
Ion Ratio Lower Upper

149 100

167 38.8 27.4 41.2

279 10.0 8.3 12.5





#85

Chrysene

Concen: 39.13 ng/ul

RT: 21.19 min Scan# 3148

Delta R.T. 0.03 min

Lab File: BG018227.D

Acq: 2 Aug 2015 15:50

Instrument :

BNA_G

ClientSampleId :

C02G6RE

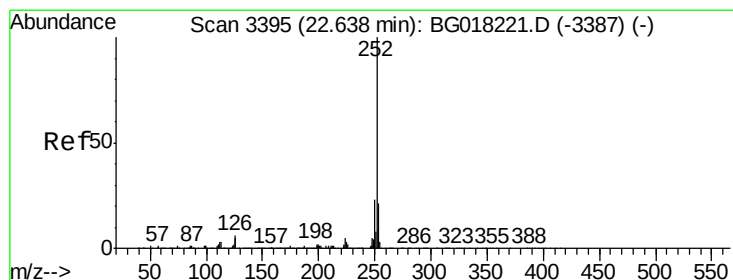
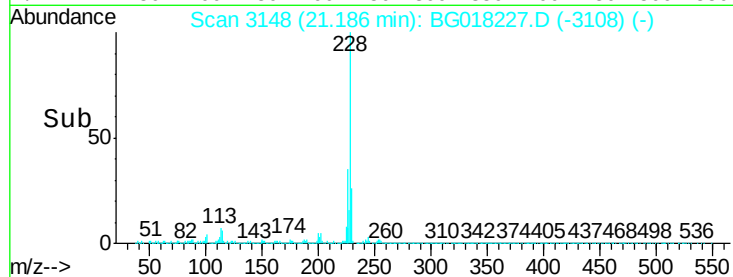
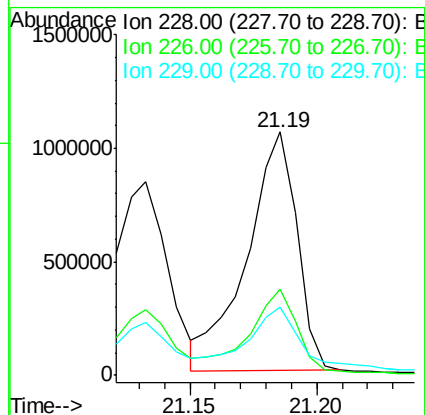
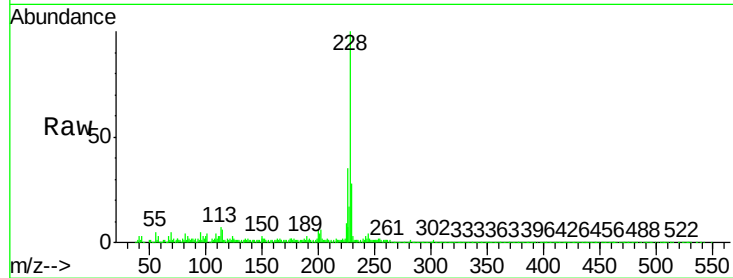
Tgt Ion:228 Resp: 1449151

Ion Ratio Lower Upper

228 100

226 35.3 22.7 34.1#

229 27.8 16.2 24.2#



#88

Benzo(b)fluoranthene

Concen: 54.60 ng/ul

RT: 22.70 min Scan# 3405

Delta R.T. 0.06 min

Lab File: BG018227.D

Acq: 2 Aug 2015 15:50

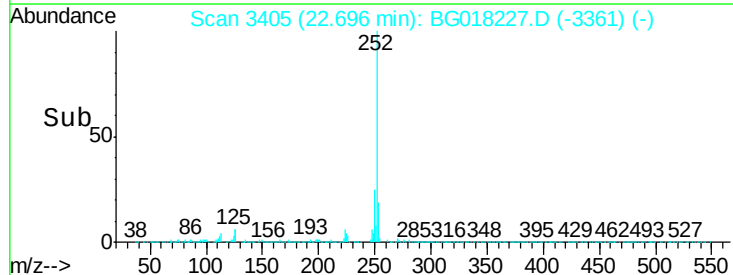
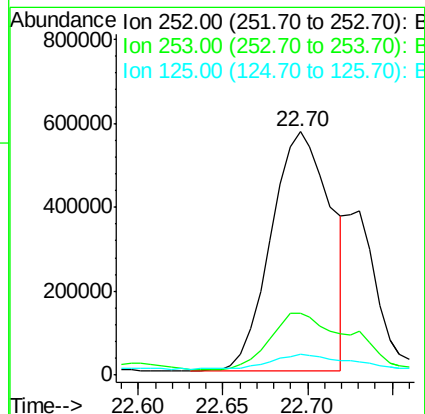
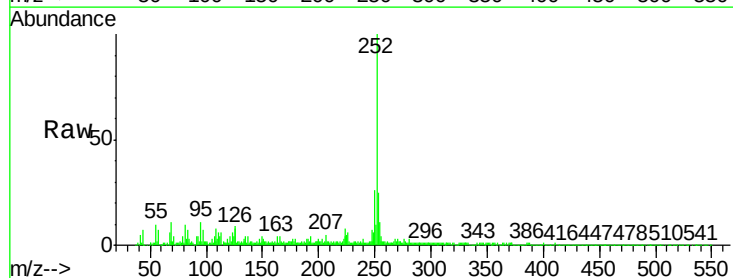
Tgt Ion:252 Resp: 1401567

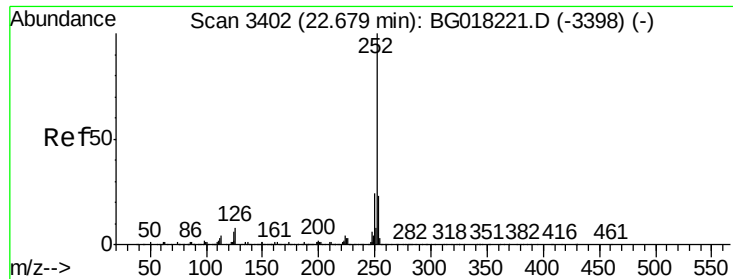
Ion Ratio Lower Upper

252 100

253 25.2 18.5 27.7

125 8.6 7.4 11.0





#89

Benzo(k)fluoranthene

Concen: 59.40 ng/ul

RT: 22.70 min Scan# 3405

Delta R.T. 0.02 min

Lab File: BG018227.D

Acq: 2 Aug 2015 15:50

Instrument :

BNA_G

ClientSampleId :

C02G6RE

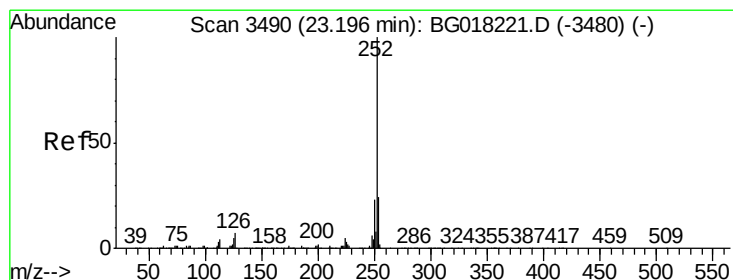
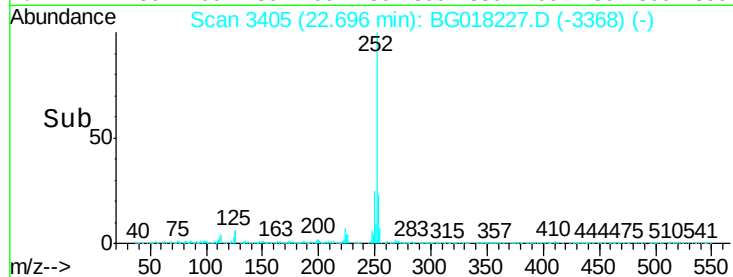
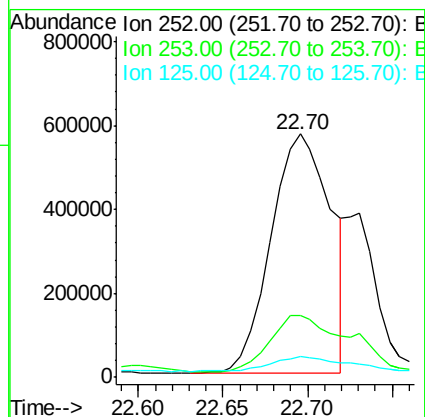
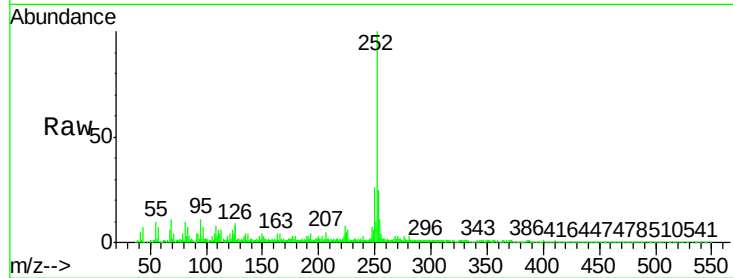
Tgt Ion:252 Resp: 1401567

Ion Ratio Lower Upper

252 100

253 25.2 18.2 27.2

125 8.6 7.5 11.3



#91

Benzo(a)pyrene

Concen: 40.15 ng/ul

RT: 23.26 min Scan# 3501

Delta R.T. 0.06 min

Lab File: BG018227.D

Acq: 2 Aug 2015 15:50

Tgt Ion:252 Resp: 922155

Ion Ratio Lower Upper

252 100

253 25.1 17.4 26.2

125 8.0 7.3 10.9

