

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG080515\
 Data File : BG018288.D
 Acq On : 6 Aug 2015 1:32
 Operator : UM/TP
 Sample : G3109-14RE
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 C01W2RE

Quant Time: Aug 06 05:04:43 2015
 Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG080515.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Thu Aug 06 03:42:27 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.44	152	40174	20.00	ng/ul	0.00
18) Naphthalene-d8	10.22	136	188373	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.12	164	115870	20.00	ng/ul	0.00
62) Phenanthrene-d10	16.88	188	188378	20.00	ng/ul	0.00
78) Chrysene-d12	21.10	240	143264	20.00	ng/ul	0.01
86) Perylene-d12	23.27	264	153867	20.00	ng/ul	0.03

System Monitoring Compounds

3) 1,4-Dioxane-d8	2.91	96	1501	3.22	ng/uL	0.00
5) Phenol-d5	6.64	99	71270	22.56	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	6.78	67	39124	25.62	ng/ul	0.00
9) 2-Chlorophenol-d4	6.97	132	61183	23.26	ng/ul	0.00
13) 4-Methylphenol-d8	8.18	113	54031	20.26	ng/ul	0.00
19) Nitrobenzene-d5	8.60	128	32446	22.24	ng/ul	0.00
22) 2-Nitrophenol-d4	9.31	143	41603	24.66	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	9.86	165	67558	21.78	ng/ul	0.00
29) 4-Chloroaniline-d4	10.37	131	36872	9.93	ng/ul	0.00
44) Dimethylphthalate-d6	13.54	166	214070	23.89	ng/ul	0.00
47) Acenaphthylene-d8	13.81	160	215323	21.19	ng/ul	0.00
52) 4-Nitrophenol-d4	14.39	143	15712	10.63	ng/ul	0.02
58) Fluorene-d10	15.12	176	146668	18.22	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.28	200	9163	7.03	ng/ul	0.01
71) Anthracene-d10	16.98	188	153834	18.56	ng/ul	0.00
79) Pyrene-d10	19.30	212	106370	13.27	ng/ul	0.02
90) Benzo(a)pyrene-d12	23.27	264	152754	19.08	ng/ul	0.17

Target Compounds

						Qvalue
14) Acetophenone	8.26	105	5210	1.22	ng/ul#	90
28) Naphthalene	10.27	128	10909	1.23	ng/ul#	97
34) 2-Methylnaphthalene	11.90	142	7214	1.02	ng/ul	85
45) Dimethylphthalate	13.58	163	88638	9.91	ng/ul	97
50) Acenaphthene	14.18	153	12295	1.82	ng/ul	97
54) Dibenzofuran	14.52	168	10630	1.07	ng/ul	99
59) Fluorene	15.18	166	12070	1.38	ng/ul	97
70) Phenanthrene	16.93	178	159001	16.72	ng/ul	99
72) Anthracene	17.02	178	39728	4.19	ng/ul	97
75) Carbazole	17.30	167	14351	1.79	ng/ul#	85
76) Di-n-butylphthalate	17.87	149	275334	24.52	ng/ul	99
77) Fluoranthene	18.96	202	270711	25.67	ng/ul#	93
80) Pyrene	19.32	202	225298	22.62	ng/ul#	95
81) Butylbenzylphthalate	20.24	149	55761	14.43	ng/ul	99
83) Benzo(a)anthracene	21.09	228	142058	18.79	ng/ul	96
84) Bis(2-ethylhexyl)phthalate	21.02	149	587913	126.45	ng/ul	98
85) Chrysene	21.09	228	146936	21.63	ng/ul	94
87) Di-n-octyl phthalate	21.89	149	199435	19.67	ng/ul	100
88) Benzo(b)fluoranthene	22.63	252	256157	27.14	ng/ul#	97
89) Benzo(k)fluoranthene	22.63	252	256157	28.31	ng/ul#	94
91) Benzo(a)pyrene	23.18	252	169229	20.54	ng/ul#	97
92) Indeno(1,2,3-cd)pyrene	25.46	276	118775	11.65	ng/ul	97
93) Dibenzo(a,h)anthracene	25.47	278	34464	3.85	ng/ul#	82

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Quant Title : SVOA CALIBRATION
QLast Update : Thu Aug 06 03:42:27 2015
Response via : Initial Calibration

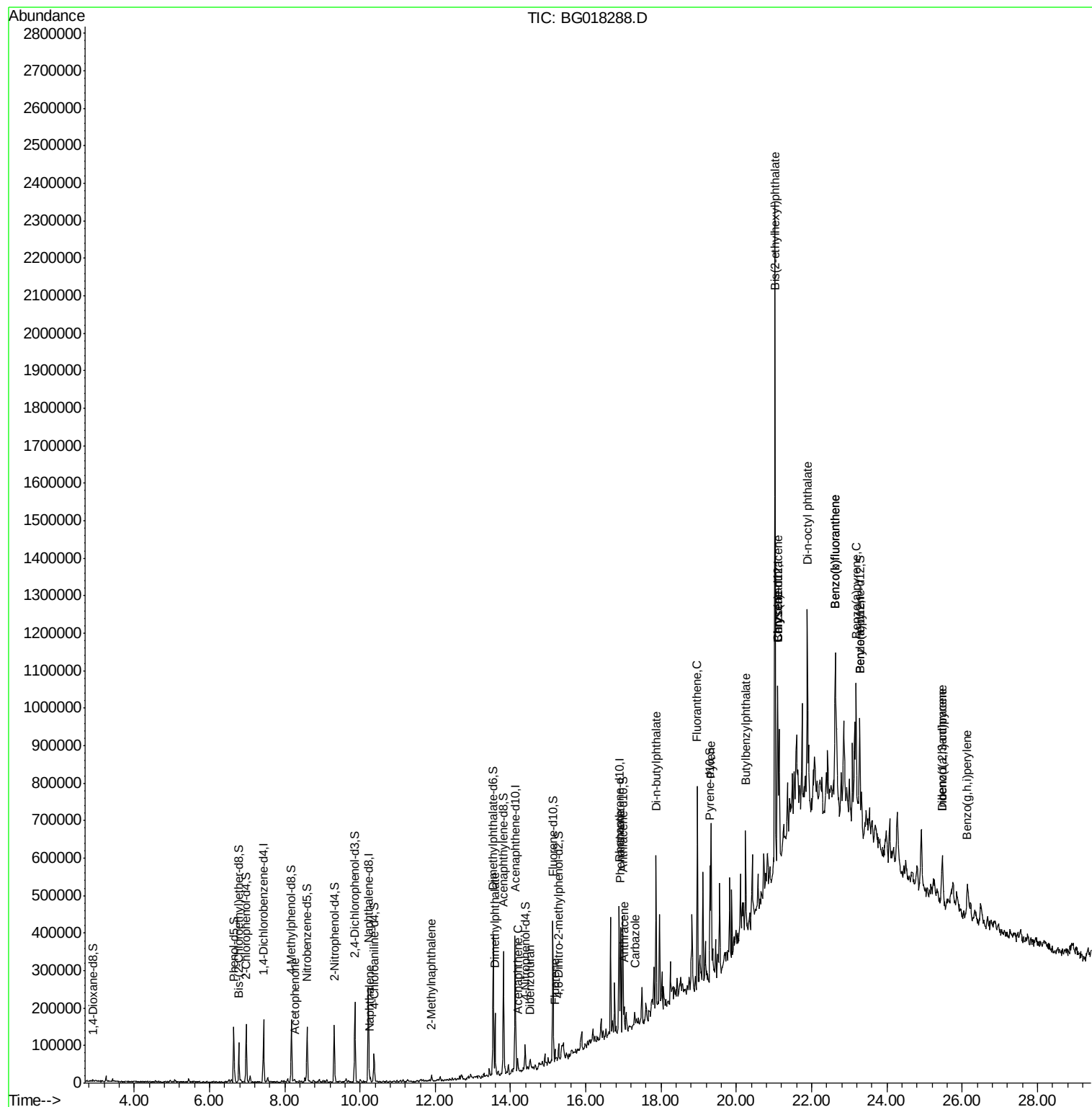
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
94) Benzo(g,h,i)perylene	26.13	276	101393	12.26	ng/ul#	90

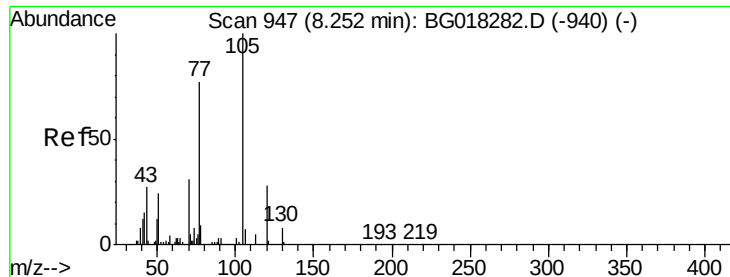
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#14

Acetophenone

Concen: 1.22 ng/ul

RT: 8.26 min Scan# 948

Delta R.T. 0.01 min

Lab File: BG018288.D

Acq: 6 Aug 2015 1:32

Instrument :

BNA_G

ClientSampleId :

C01W2RE

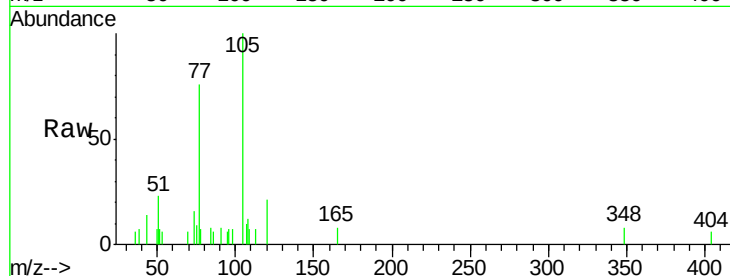
Tgt Ion:105 Resp: 5210

Ion Ratio Lower Upper

105 100

77 75.7 67.5 101.3

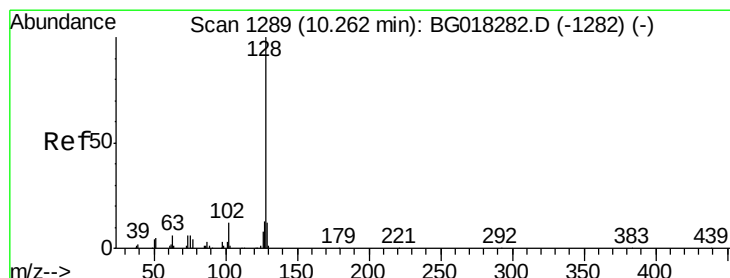
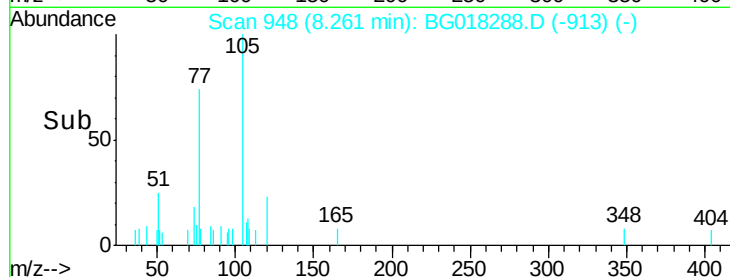
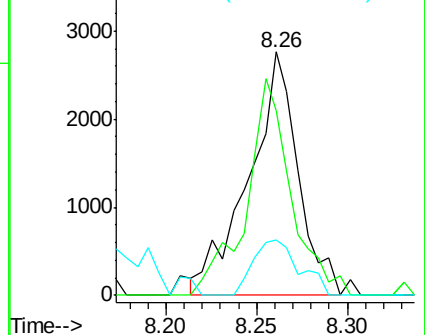
51 22.6 23.6 35.4#



Abundance Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BG018282.D (-940) (-)

Ion 51.00 (50.70 to 51.70): BG018282.D (-940) (-)



#28

Naphthalene

Concen: 1.23 ng/ul

RT: 10.27 min Scan# 1290

Delta R.T. 0.01 min

Lab File: BG018288.D

Acq: 6 Aug 2015 1:32

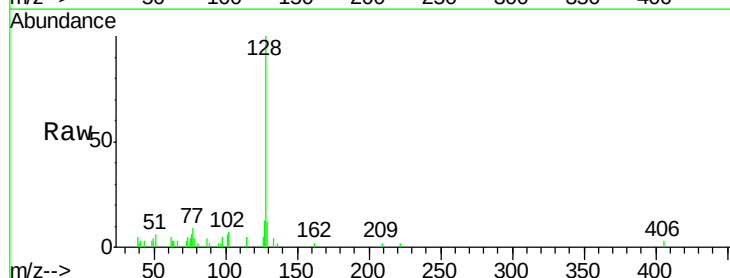
Tgt Ion:128 Resp: 10909

Ion Ratio Lower Upper

128 100

129 11.9 7.8 11.6#

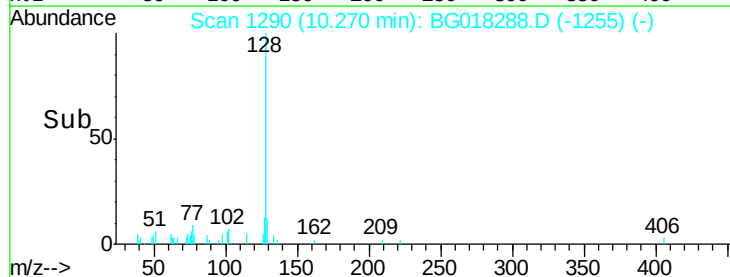
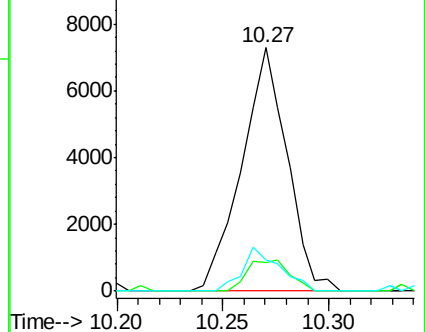
127 12.8 10.2 15.4

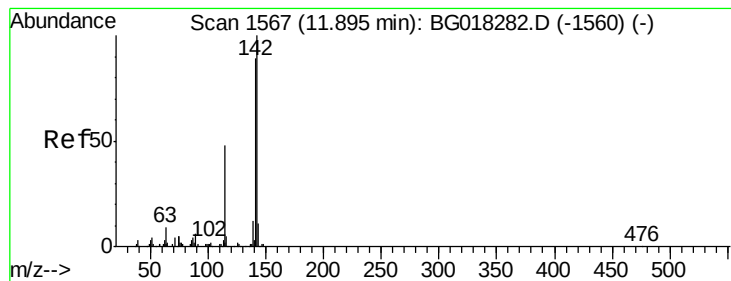


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E





#34

2-Methylnaphthalene

Concen: 1.02 ng/ul

RT: 11.90 min Scan# 1568

Delta R.T. 0.01 min

Lab File: BG018288.D

Acq: 6 Aug 2015 1:32

Instrument :

BNA_G

ClientSampleId :

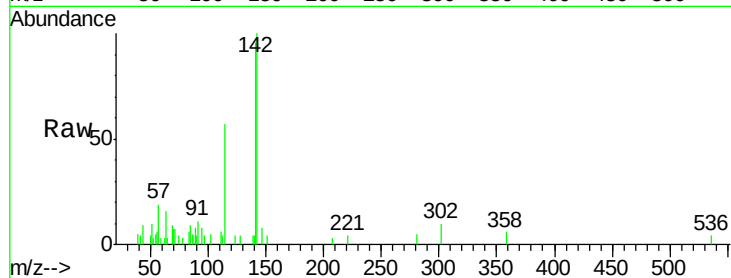
C01W2RE

Tgt Ion:142 Resp: 7214

Ion Ratio Lower Upper

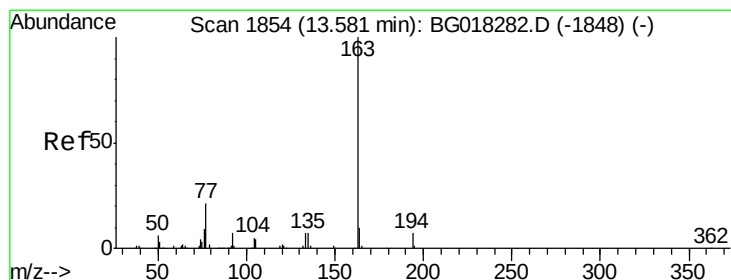
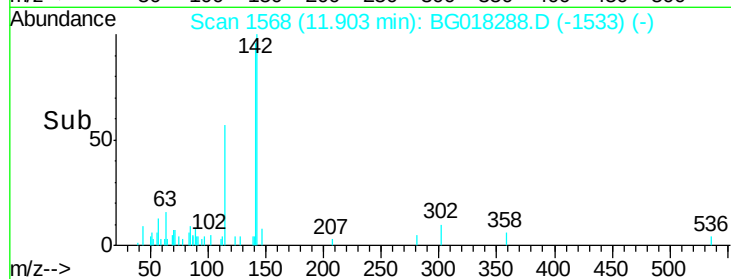
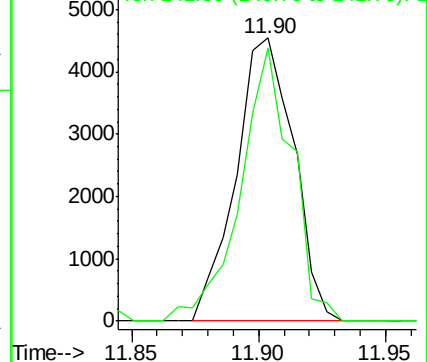
142 100

141 96.3 65.9 98.9



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E



#45

Dimethylphthalate

Concen: 9.91 ng/ul

RT: 13.58 min Scan# 1854

Delta R.T. 0.00 min

Lab File: BG018288.D

Acq: 6 Aug 2015 1:32

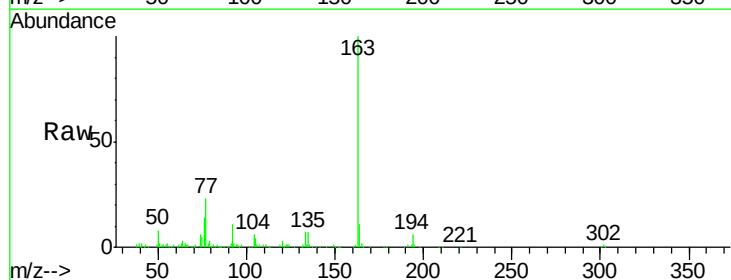
Tgt Ion:163 Resp: 88638

Ion Ratio Lower Upper

163 100

194 6.4 5.4 8.2

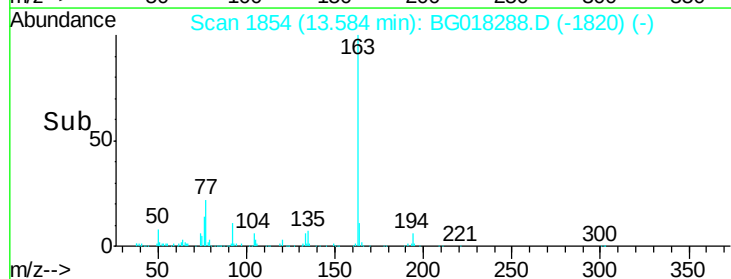
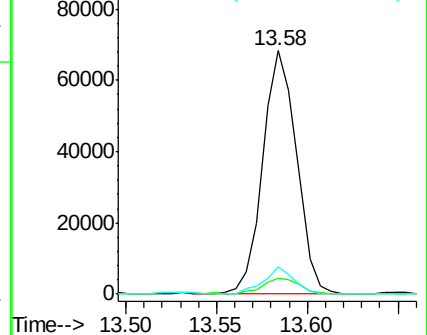
164 11.1 7.8 11.8

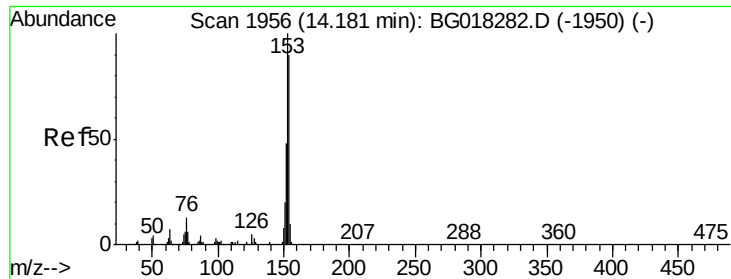


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E





#50

Acenaphthene

Concen: 1.82 ng/ul

RT: 14.18 min Scan# 1956

Delta R.T. 0.00 min

Lab File: BG018288.D

Acq: 6 Aug 2015 1:32

Instrument :

BNA_G

ClientSampleId :

C01W2RE

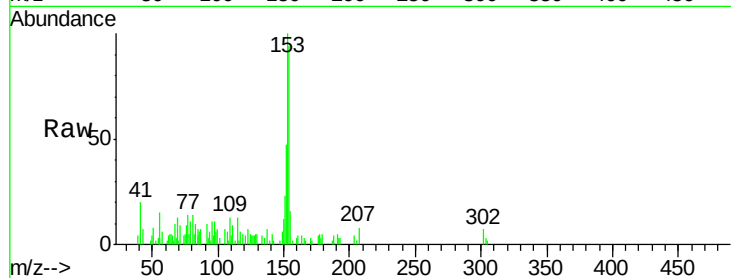
Tgt Ion:153 Resp: 12295

Ion Ratio Lower Upper

153 100

152 46.8 39.0 58.4

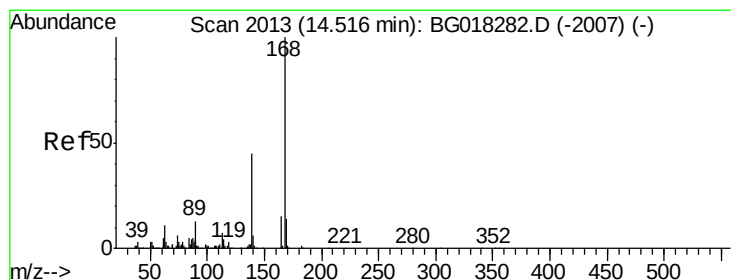
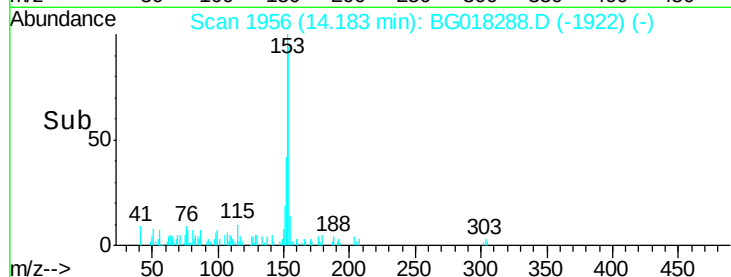
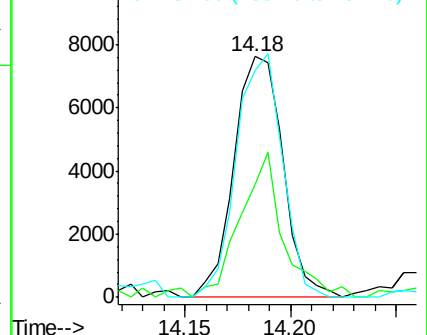
154 94.4 77.4 116.2



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: 1.07 ng/ul

RT: 14.52 min Scan# 2014

Delta R.T. 0.01 min

Lab File: BG018288.D

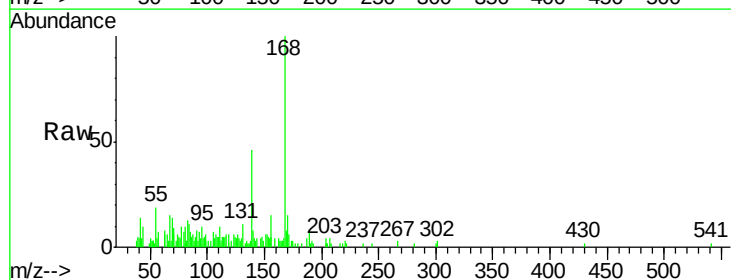
Acq: 6 Aug 2015 1:32

Tgt Ion:168 Resp: 10630

Ion Ratio Lower Upper

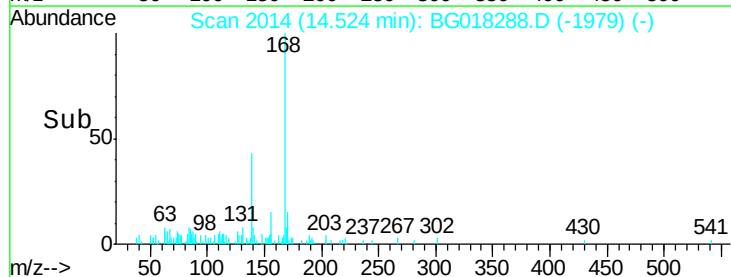
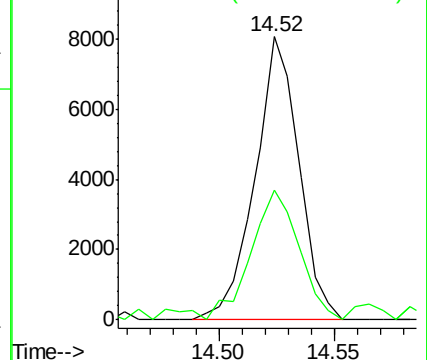
168 100

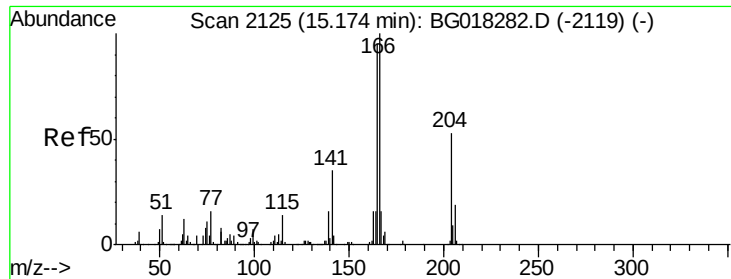
139 45.7 37.1 55.7



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E





#59

Fluorene

Concen: 1.38 ng/ul

RT: 15.18 min Scan# 2125

Delta R.T. 0.00 min

Lab File: BG018288.D

Acq: 6 Aug 2015 1:32

Instrument :

BNA_G

ClientSampleId :

C01W2RE

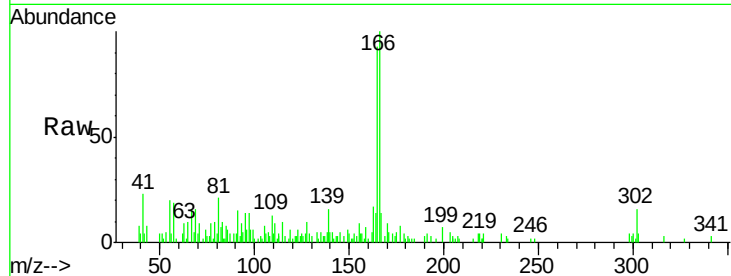
Tgt Ion:166 Resp: 12070

Ion Ratio Lower Upper

166 100

165 93.3 72.4 108.6

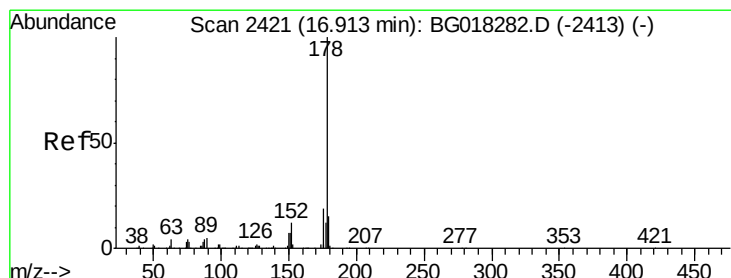
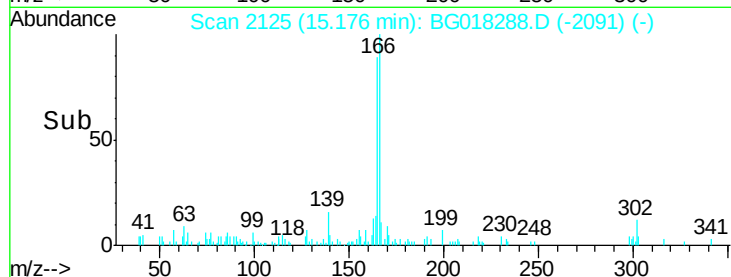
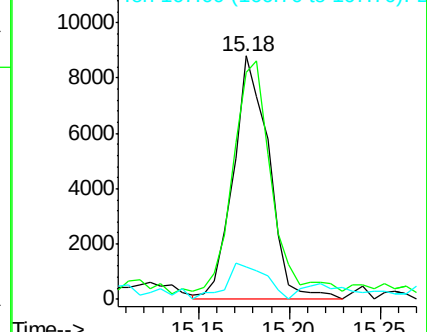
167 13.6 11.4 17.0



Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E



#70

Phenanthrene

Concen: 16.72 ng/ul

RT: 16.93 min Scan# 2423

Delta R.T. 0.01 min

Lab File: BG018288.D

Acq: 6 Aug 2015 1:32

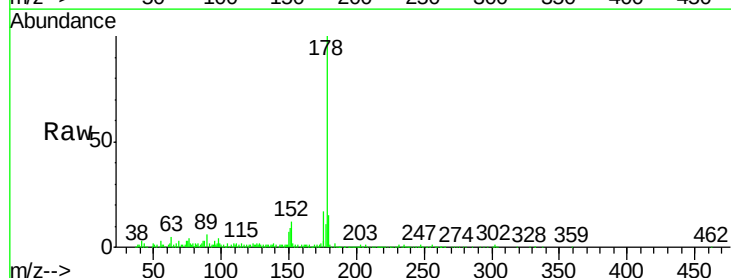
Tgt Ion:178 Resp: 159001

Ion Ratio Lower Upper

178 100

179 14.9 12.2 18.4

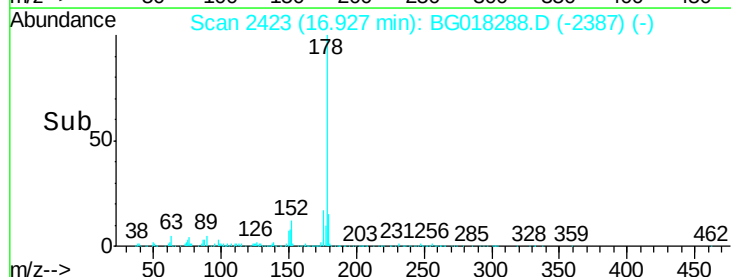
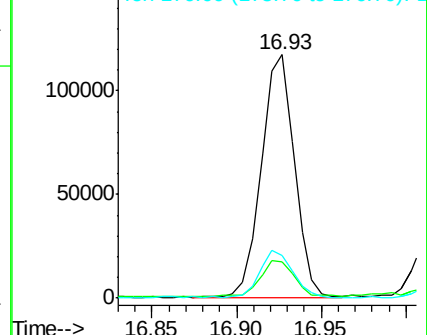
176 17.4 14.5 21.7

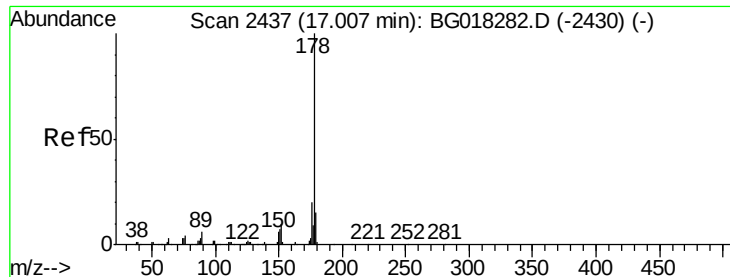


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#72

Anthracene

Concen: 4.19 ng/ul

RT: 17.02 min Scan# 2438

Delta R.T. 0.01 min

Lab File: BG018288.D

Acq: 6 Aug 2015 1:32

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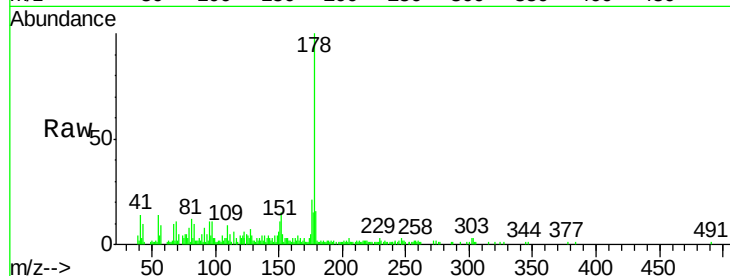
Tgt Ion:178 Resp: 39728

Ion Ratio Lower Upper

178 100

179 16.0 12.2 18.4

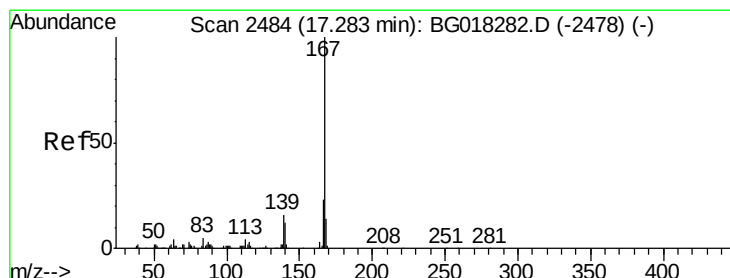
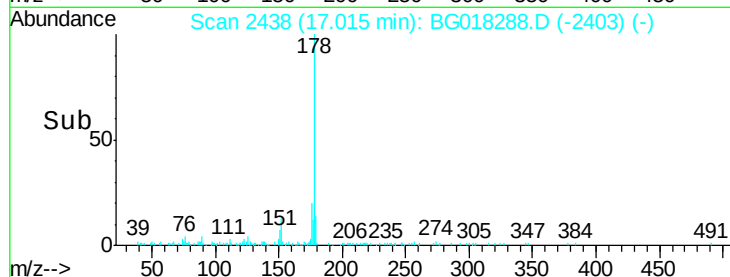
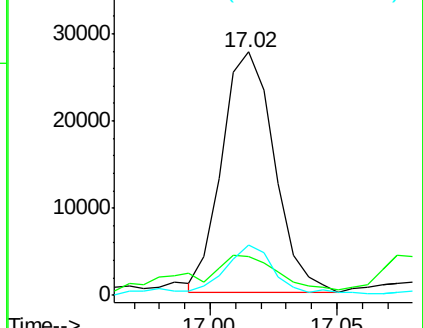
176 20.8 15.3 22.9



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: 1.79 ng/ul

RT: 17.30 min Scan# 2486

Delta R.T. 0.01 min

Lab File: BG018288.D

Acq: 6 Aug 2015 1:32

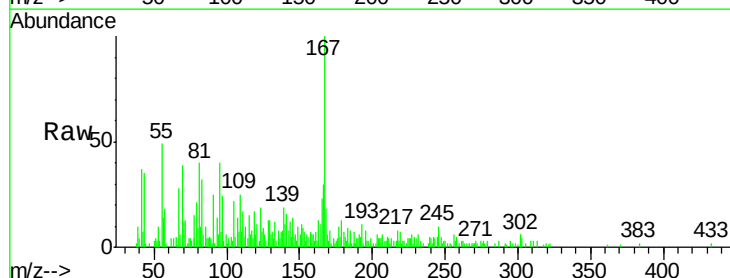
Tgt Ion:167 Resp: 14351

Ion Ratio Lower Upper

167 100

166 29.7 17.8 26.8#

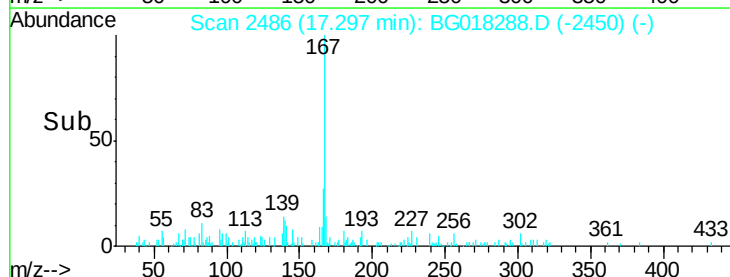
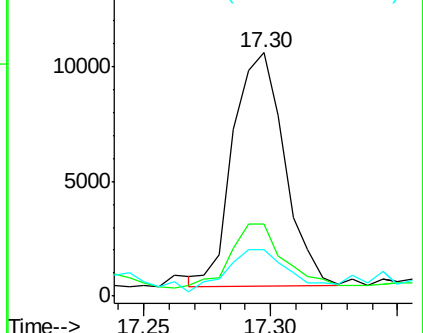
139 19.2 10.6 16.0#

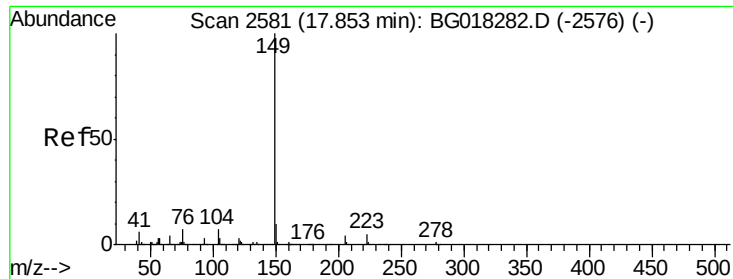


Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E





#76

Di-n-butylphthalate

Concen: 24.52 ng/ul

RT: 17.87 min Scan# 2583

Delta R.T. 0.01 min

Lab File: BG018288.D

Acq: 6 Aug 2015 1:32

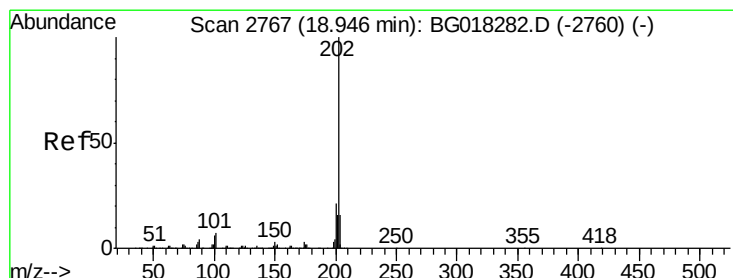
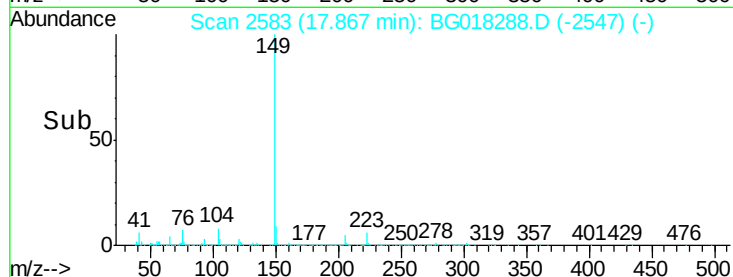
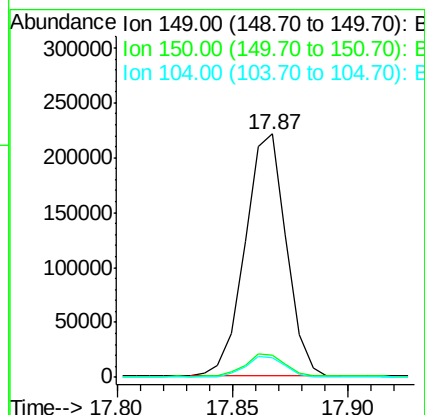
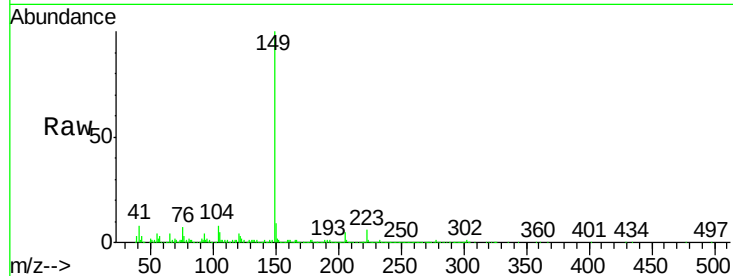
Instrument :

BNA_G

ClientSampleId :

C01W2RE

Tgt Ion:	149	Resp:	275334
Ion	Ratio	Lower	Upper
149	100		
150	9.3	7.4	11.2
104	8.0	5.5	8.3



#77

Fluoranthene

Concen: 25.67 ng/ul

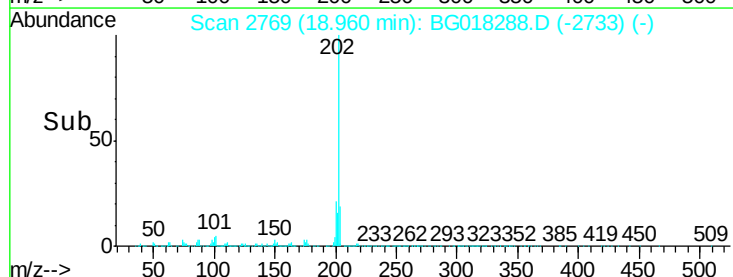
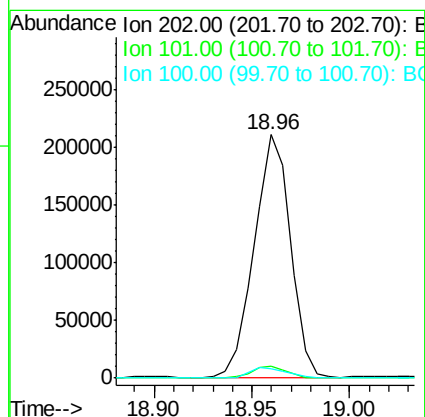
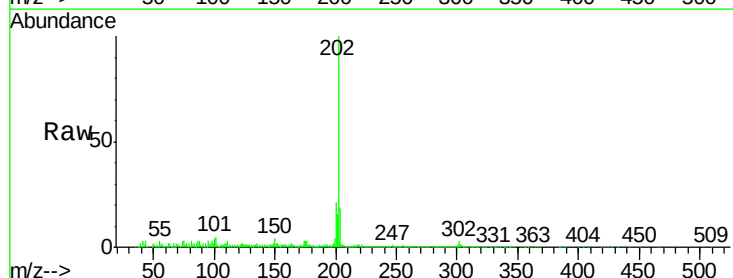
RT: 18.96 min Scan# 2769

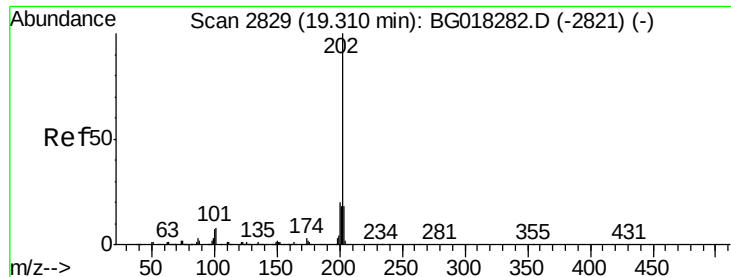
Delta R.T. 0.01 min

Lab File: BG018288.D

Acq: 6 Aug 2015 1:32

Tgt Ion:	202	Resp:	270711
Ion	Ratio	Lower	Upper
202	100		
101	5.0	6.2	9.2#
100	3.8	4.6	6.8#

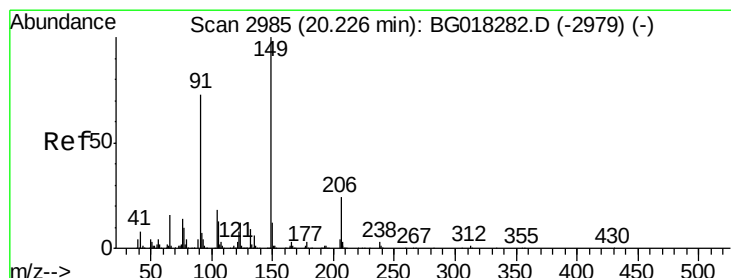
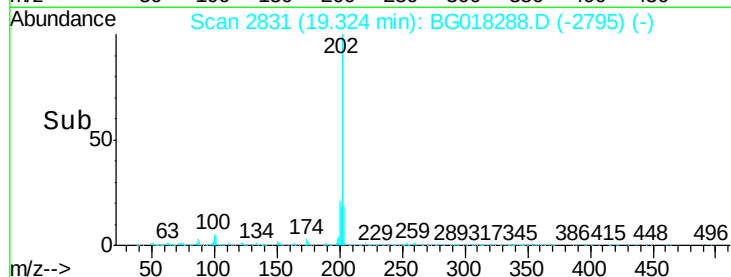
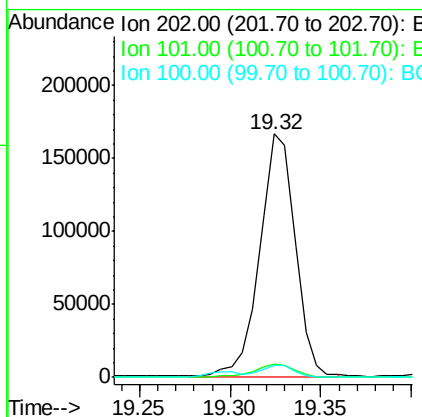
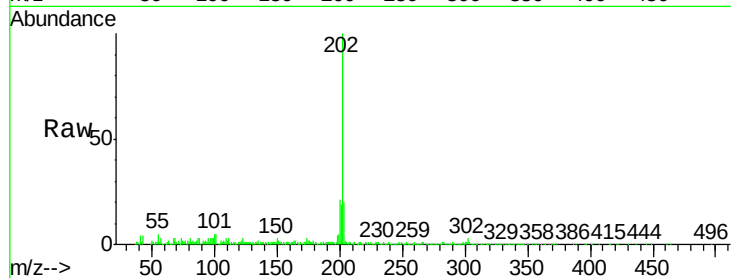




#80
Pyrene
Concen: 22.62 ng/ul
RT: 19.32 min Scan# 2831
Delta R.T. 0.01 min
Lab File: BG018288.D
Acq: 6 Aug 2015 1:32

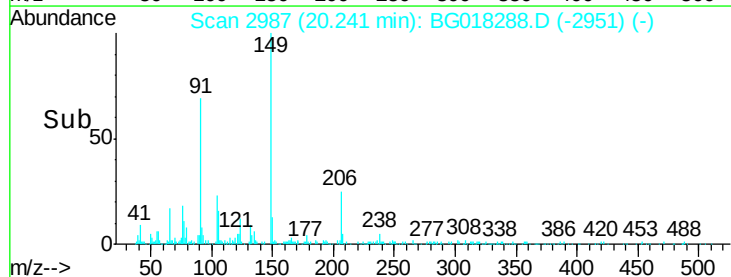
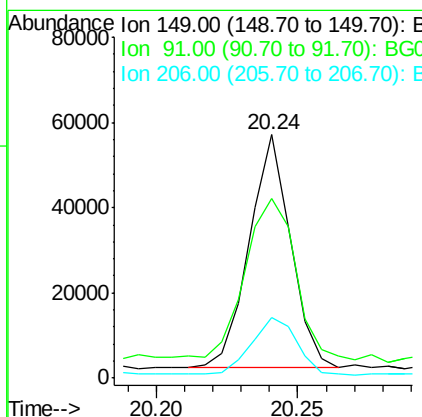
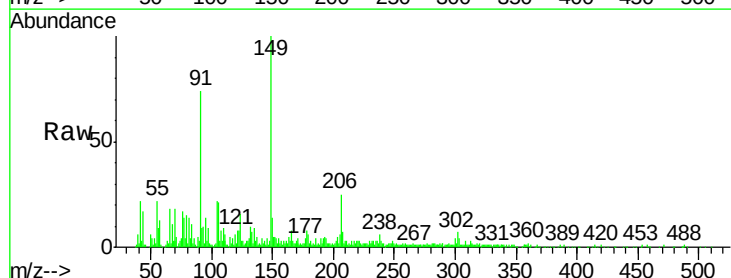
Instrument :
BNA_G
ClientSampleId :
C01W2RE

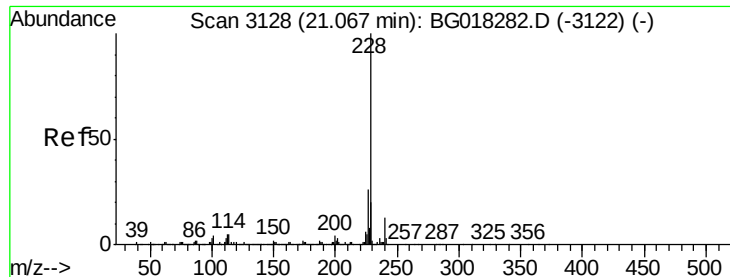
Tgt Ion	Ratio	Lower	Upper
202	100		
101	5.3	6.2	9.2#
100	5.2	4.6	7.0



#81
Butylbenzylphthalate
Concen: 14.43 ng/ul
RT: 20.24 min Scan# 2987
Delta R.T. 0.01 min
Lab File: BG018288.D
Acq: 6 Aug 2015 1:32

Tgt Ion	Ratio	Lower	Upper
149	100		
91	74.0	58.2	87.2
206	25.1	19.9	29.9





#83

Benzo(a)anthracene

Concen: 18.79 ng/ul

RT: 21.09 min Scan# 3131

Delta R.T. 0.02 min

Lab File: BG018288.D

Acq: 6 Aug 2015 1:32

Instrument :

BNA_G

ClientSampleId :

C01W2RE

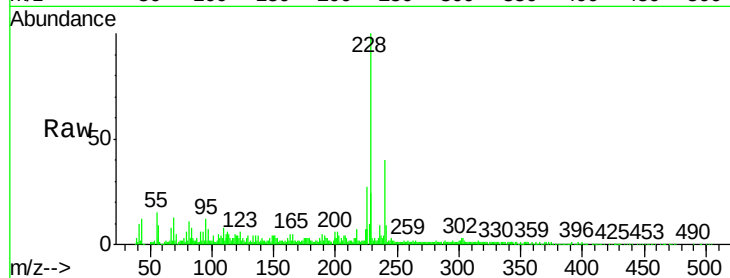
Tgt Ion:228 Resp: 142058

Ion Ratio Lower Upper

228 100

229 23.8 16.3 24.5

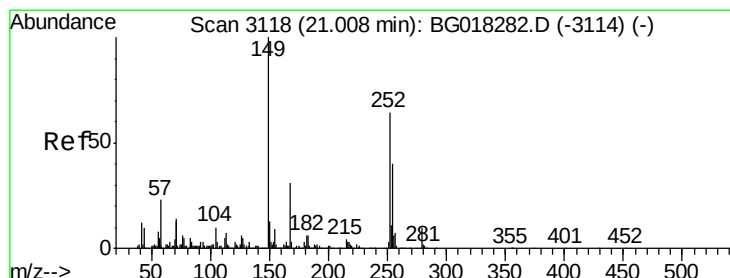
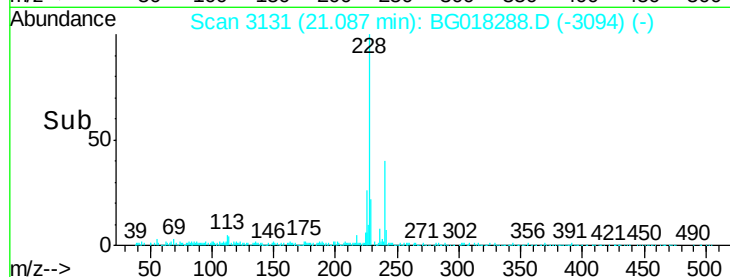
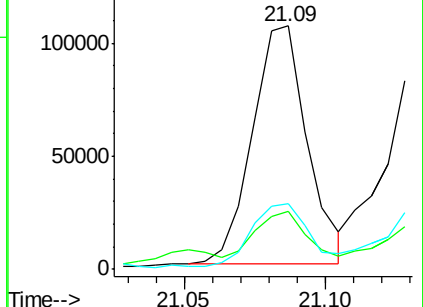
226 26.9 21.2 31.8



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 229.00 (228.70 to 229.70): E

Ion 226.00 (225.70 to 226.70): E



#84

Bis(2-ethylhexyl)phthalate

Concen: 126.45 ng/ul

RT: 21.02 min Scan# 3120

Delta R.T. 0.01 min

Lab File: BG018288.D

Acq: 6 Aug 2015 1:32

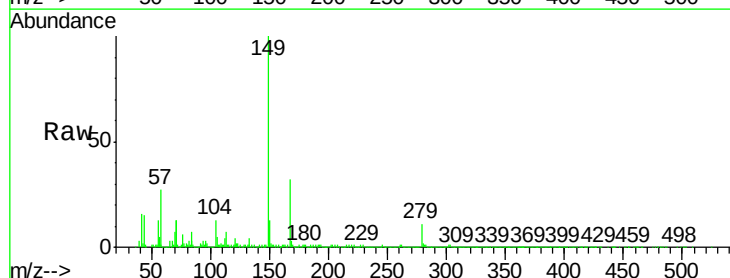
Tgt Ion:149 Resp: 587913

Ion Ratio Lower Upper

149 100

167 32.1 26.4 39.6

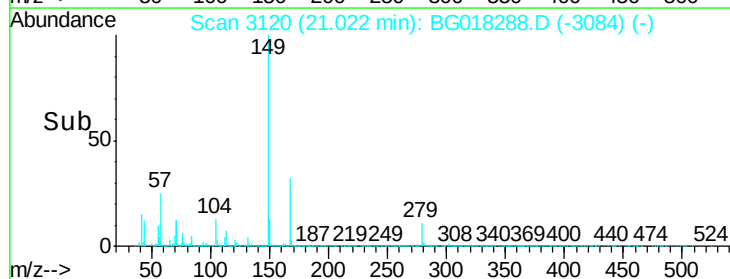
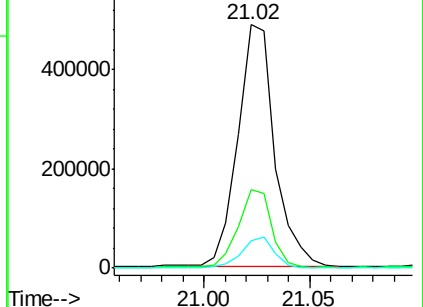
279 11.4 8.6 12.8

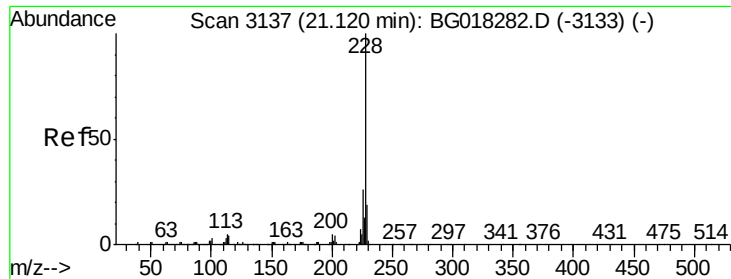


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E





#85

Chrysene

Concen: 21.63 ng/ul

RT: 21.09 min Scan# 3131

Delta R.T. -0.03 min

Lab File: BG018288.D

Acq: 6 Aug 2015 1:32

Instrument :

BNA_G

ClientSampleId :

C01W2RE

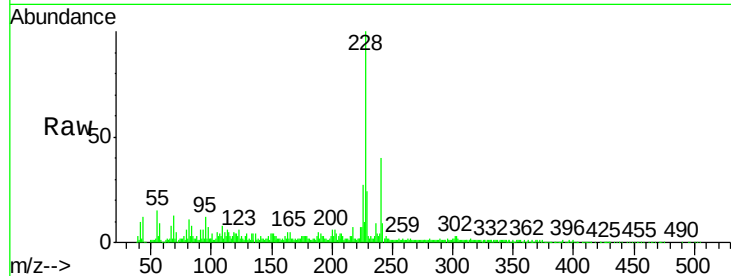
Tgt Ion:228 Resp: 146936

Ion Ratio Lower Upper

228 100

226 26.9 23.0 34.6

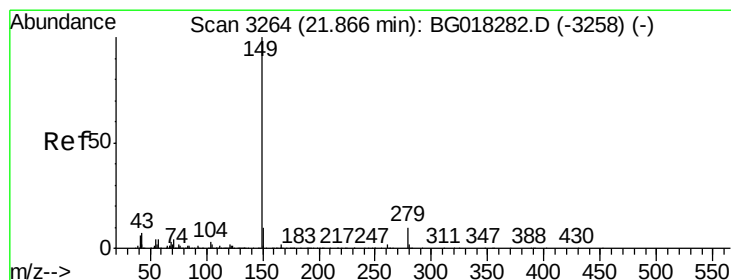
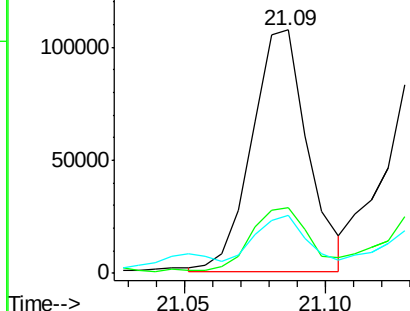
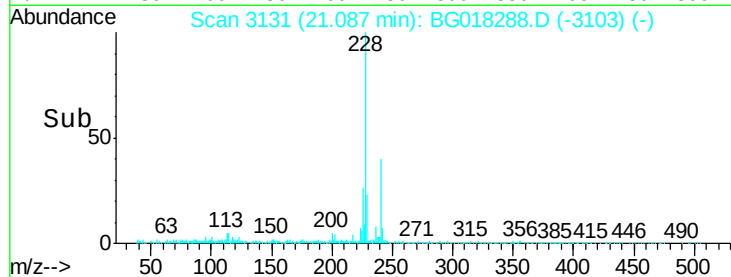
229 23.8 15.9 23.9



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#87

Di-n-octyl phthalate

Concen: 19.67 ng/ul

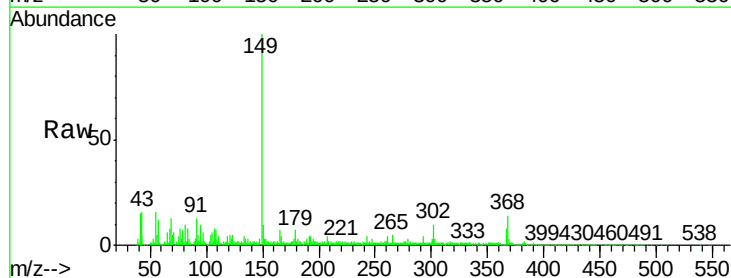
RT: 21.89 min Scan# 3267

Delta R.T. 0.02 min

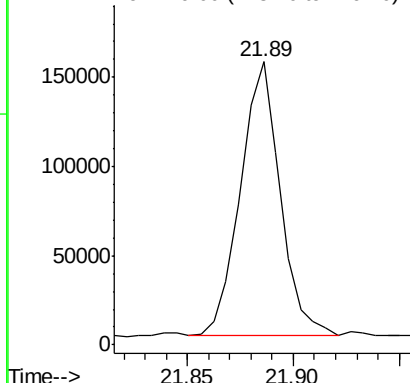
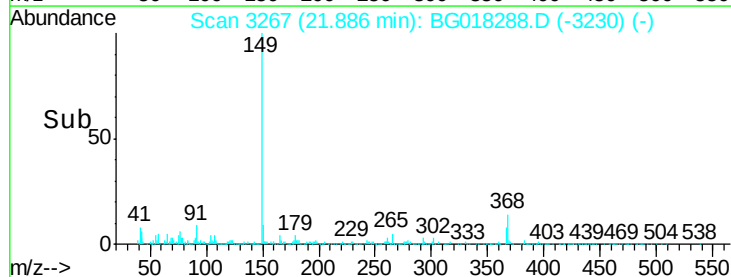
Lab File: BG018288.D

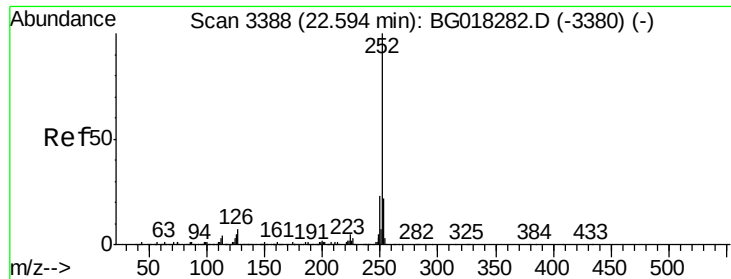
Acq: 6 Aug 2015 1:32

Tgt Ion:149 Resp: 199435



Abundance Ion 149.00 (148.70 to 149.70): E





#88

Benzo(b)fluoranthene

Concen: 27.14 ng/ul

RT: 22.63 min Scan# 3393

Delta R.T. 0.03 min

Lab File: BG018288.D

Acq: 6 Aug 2015 1:32

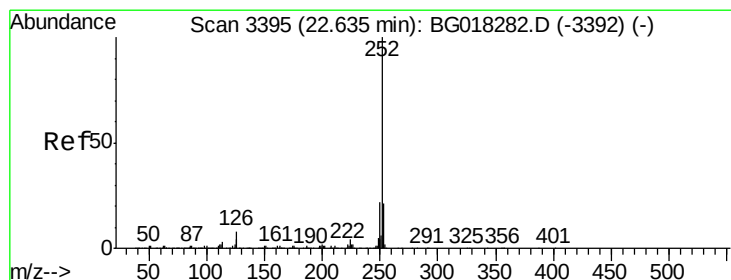
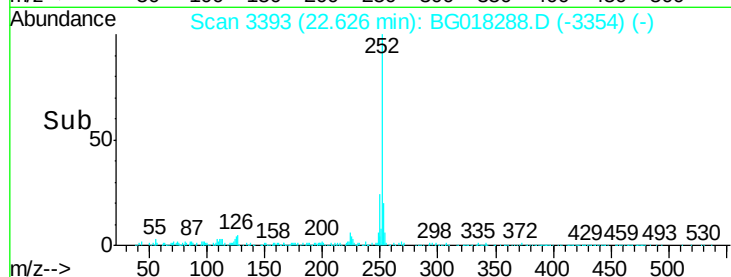
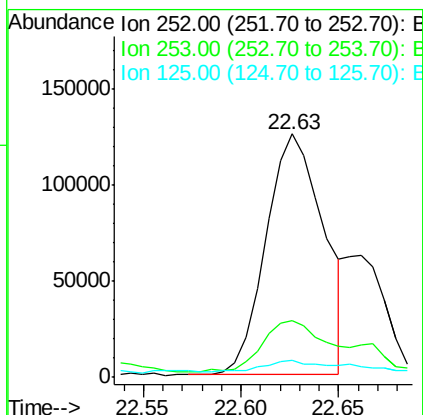
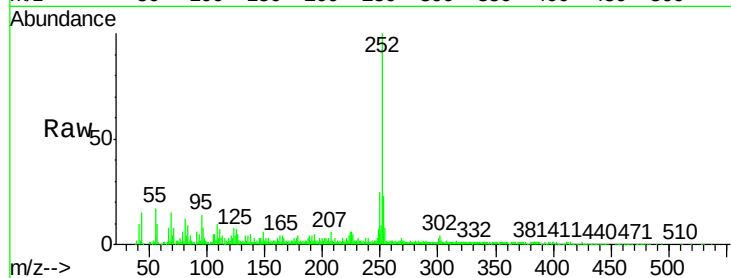
Instrument :

BNA_G

ClientSampleId :

C01W2RE

Tgt Ion:	252	Resp:	256157
Ion Ratio	Lower	Upper	
252	100		
253	23.3	18.1	27.1
125	6.9	3.1	4.7#



#89

Benzo(k)fluoranthene

Concen: 28.31 ng/ul

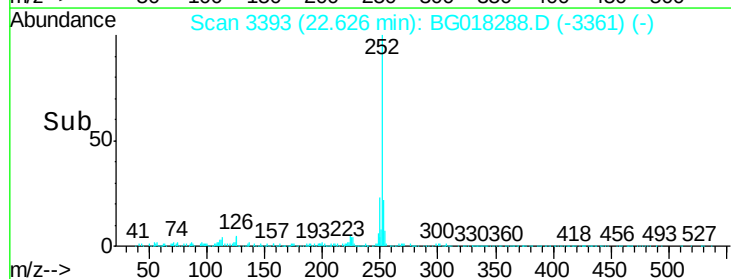
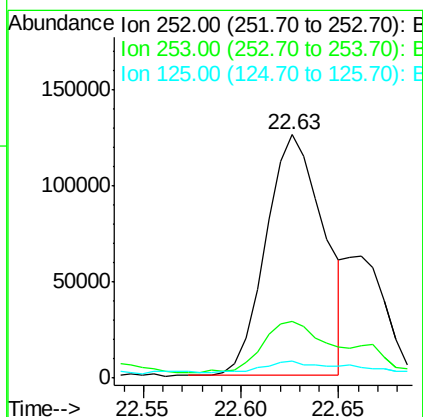
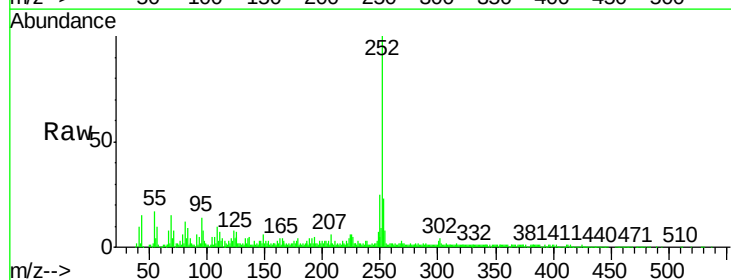
RT: 22.63 min Scan# 3393

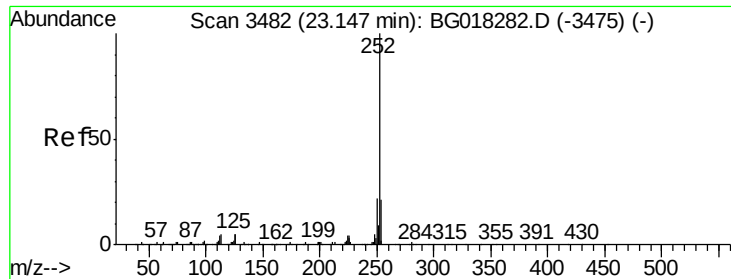
Delta R.T. -0.01 min

Lab File: BG018288.D

Acq: 6 Aug 2015 1:32

Tgt Ion:	252	Resp:	256157
Ion Ratio	Lower	Upper	
252	100		
253	23.3	16.4	24.6
125	6.9	3.4	5.2#





#91

Benzo(a)pyrene

Concen: 20.54 ng/ul

RT: 23.18 min Scan# 3487

Delta R.T. 0.03 min

Lab File: BG018288.D

Acq: 6 Aug 2015 1:32

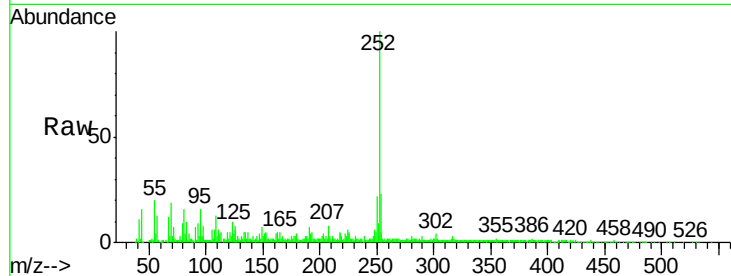
Instrument :

BNA_G

ClientSampleId :

C01W2RE

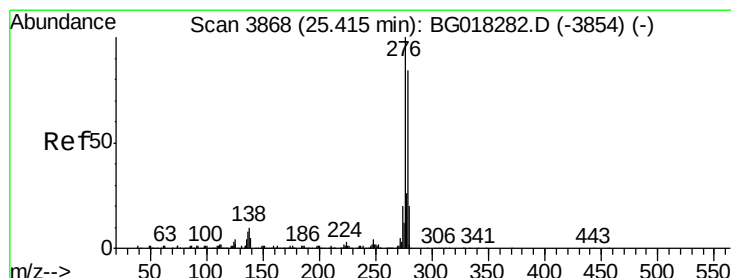
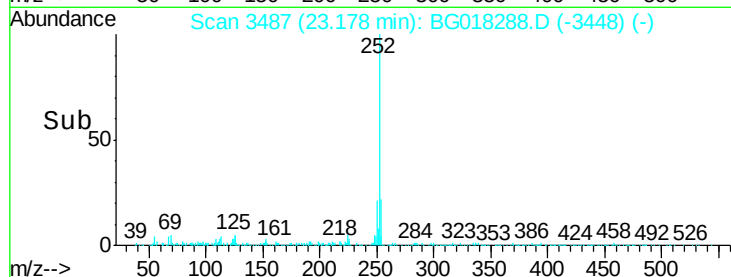
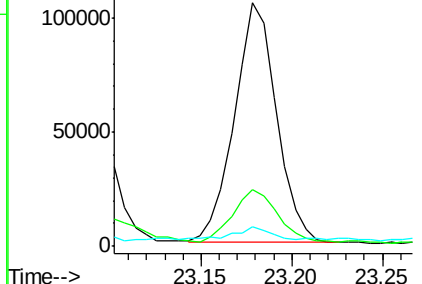
Tgt Ion:	252	Resp:	169229
Ion Ratio	Lower	Upper	
252	100		
253	23.1	18.9	28.3
125	7.8	3.2	4.8#



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#92

Indeno(1,2,3-cd)pyrene

Concen: 11.65 ng/ul

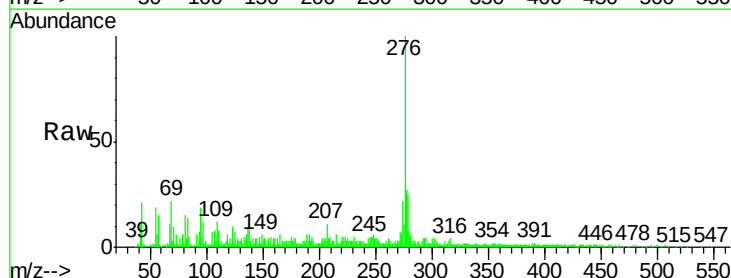
RT: 25.46 min Scan# 3876

Delta R.T. 0.05 min

Lab File: BG018288.D

Acq: 6 Aug 2015 1:32

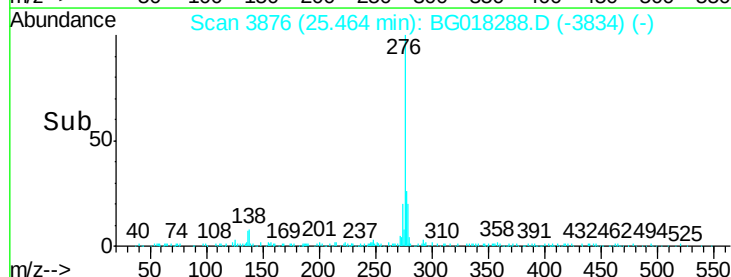
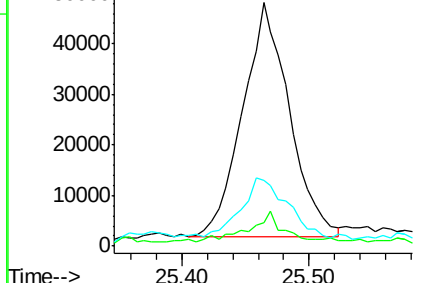
Tgt Ion:	276	Resp:	118775
Ion Ratio	Lower	Upper	
276	100		
138	9.6	8.2	12.4
277	27.1	20.1	30.1

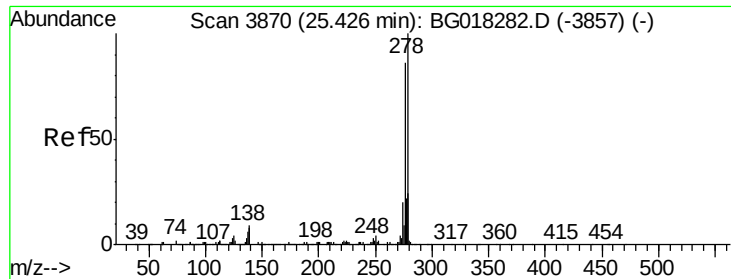


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





#93

Dibenzo(a,h)anthracene

Concen: 3.85 ng/ul

RT: 25.47 min Scan# 3877

Delta R.T. 0.04 min

Lab File: BG018288.D

Acq: 6 Aug 2015 1:32

Instrument :

BNA_G

ClientSampleId :

C01W2RE

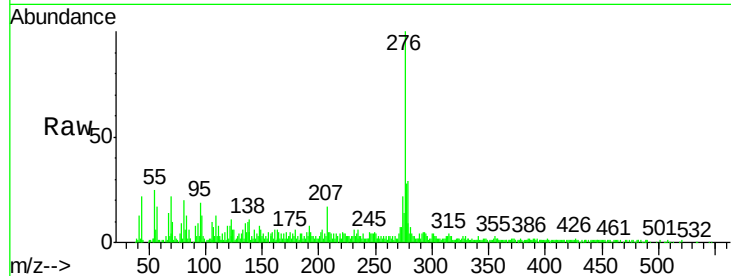
Tgt Ion:278 Resp: 34464

Ion Ratio Lower Upper

278 100

139 20.6 5.8 8.8#

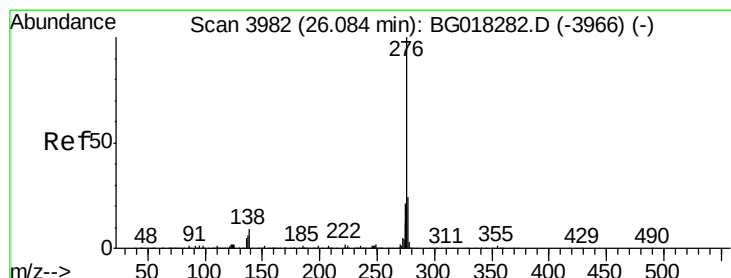
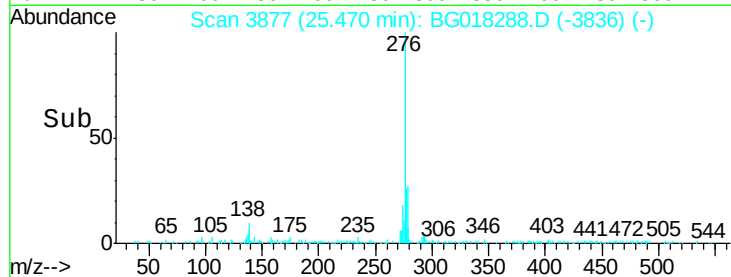
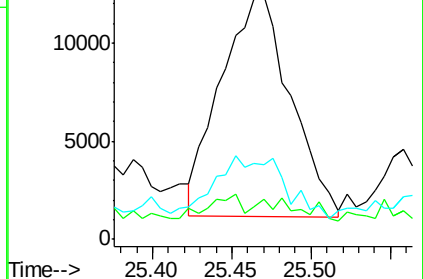
279 30.4 19.8 29.6#



Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E



#94

Benzo(g,h,i)perylene

Concen: 12.26 ng/ul

RT: 26.13 min Scan# 3990

Delta R.T. 0.05 min

Lab File: BG018288.D

Acq: 6 Aug 2015 1:32

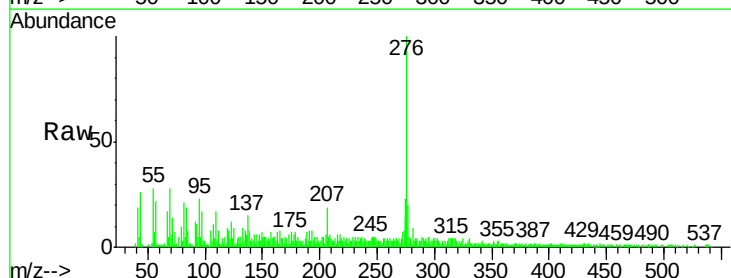
Tgt Ion:276 Resp: 101393

Ion Ratio Lower Upper

276 100

138 8.1 6.0 9.0

277 20.0 21.1 31.7#



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

