

Data Path : Z:\HPCHEM1\BNA G\DATA\BG073115\
 Data File : BG018210.D
 Acq On : 1 Aug 2015 8:43
 Operator : TP/UM
 Sample : G3065-06
 Misc :
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Aug 03 01:59:24 2015
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG073115.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Sat Aug 01 07:09:30 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.49	152	59223	20.00	ng/ul	0.01
18) Naphthalene-d8	10.27	136	256031	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.16	164	124230	20.00	ng/ul	0.01
62) Phenanthrene-d10	16.92	188	227217	20.00	ng/ul	0.01
78) Chrysene-d12	21.14	240	305749	20.00	ng/ul	0.02
86) Perylene-d12	23.33	264	303008	20.00	ng/ul	0.05

System Monitoring Compounds

3) 1,4-Dioxane-d8	2.98	96	978	1.25	ng/uL	0.01
5) Phenol-d5	6.68	99	44257	8.31	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	6.83	67	26156	9.61	ng/ul	0.00
9) 2-Chlorophenol-d4	7.02	132	36610	9.10	ng/ul	0.01
13) 4-Methylphenol-d8	8.21	113	25053	5.78	ng/ul	0.00
19) Nitrobenzene-d5	8.64	128	19036	9.44	ng/ul	0.00
22) 2-Nitrophenol-d4	9.36	143	17555	7.58	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	9.90	165	37947	9.28	ng/ul	0.01
29) 4-Chloroaniline-d4	10.41	131	5755	1.13	ng/ul	0.01
44) Dimethylphthalate-d6	13.58	166	96323	10.03	ng/ul	0.00
47) Acenaphthylene-d8	13.85	160	111212	9.99	ng/ul	0.01
52) 4-Nitrophenol-d4	14.40	143	9955	5.60	ng/ul	0.02
58) Fluorene-d10	15.16	176	75630	8.71	ng/ul	0.01
63) 4,6-Dinitro-2-methylphenol	15.30	200	277	0.17	ng/ul	0.00
71) Anthracene-d10	17.02	188	98821	10.00	ng/ul	0.01
79) Pyrene-d10	19.34	212	112172	7.58	ng/ul	0.02
90) Benzo(a)pyrene-d12	23.19	264	154752	10.10	ng/ul	0.05

Target Compounds

					Ovalue
14) Acetophenone	8.30	105	13045	1.93 ng/ul#	91
17) Hexachloroethane	8.59	117	2205	1.22 ng/ul#	5
28) Naphthalene	10.32	128	65160	5.29 ng/ul	97
34) 2-Methylnaphthalene	11.95	142	26428	2.71 ng/ul	91
35) 1-Methylnaphthalene	12.17	142	21581	2.31 ng/ul#	98
45) Dimethylphthalate	13.62	163	99112	10.38 ng/ul	97
50) Acenaphthene	14.23	153	34038	4.73 ng/ul	95
54) Dibenzofuran	14.56	168	27186	2.51 ng/ul#	63
59) Fluorene	15.22	166	41187	4.40 ng/ul	97
65) N-Nitrosodiphenylamine	15.44	169	12190	2.07 ng/ul#	57
70) Phenanthrene	16.97	178	329437	28.54 ng/ul	99
72) Anthracene	16.97	178	329437	28.69 ng/ul	97
75) Carbazole	17.33	167	25759	2.70 ng/ul#	74
77) Fluoranthene	19.00	202	444686	35.08 ng/ul#	95
80) Pyrene	19.37	202	431699	23.28 ng/ul#	93
83) Benzo(a)anthracene	21.13	228	195711	11.89 ng/ul	96
84) Bis(2-ethylhexyl)phthalate	21.06	149	167035	16.43 ng/ul	99
85) Chrysene	21.13	228	198310	13.15 ng/ul	97
88) Benzo(b)fluoranthene	22.68	252	309418	17.00 ng/ul#	59
89) Benzo(k)fluoranthene	22.68	252	309418	18.50 ng/ul#	58
91) Benzo(a)pyrene	23.23	252	199329	12.24 ng/ul#	45
92) Indeno(1,2,3-cd)pyrene	25.54	276	70406	3.74 ng/ul#	91
94) Benzo(g,h,i)perylene	26.22	276	64717	4.21 ng/ul	97

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Instrument :
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Quant Time: Aug 03 01:59:24 2015
Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG073115.M
Quant Title : SVOA CALIBRATION
QLast Update : Sat Aug 01 07:09:30 2015
Response via : Initial Calibration

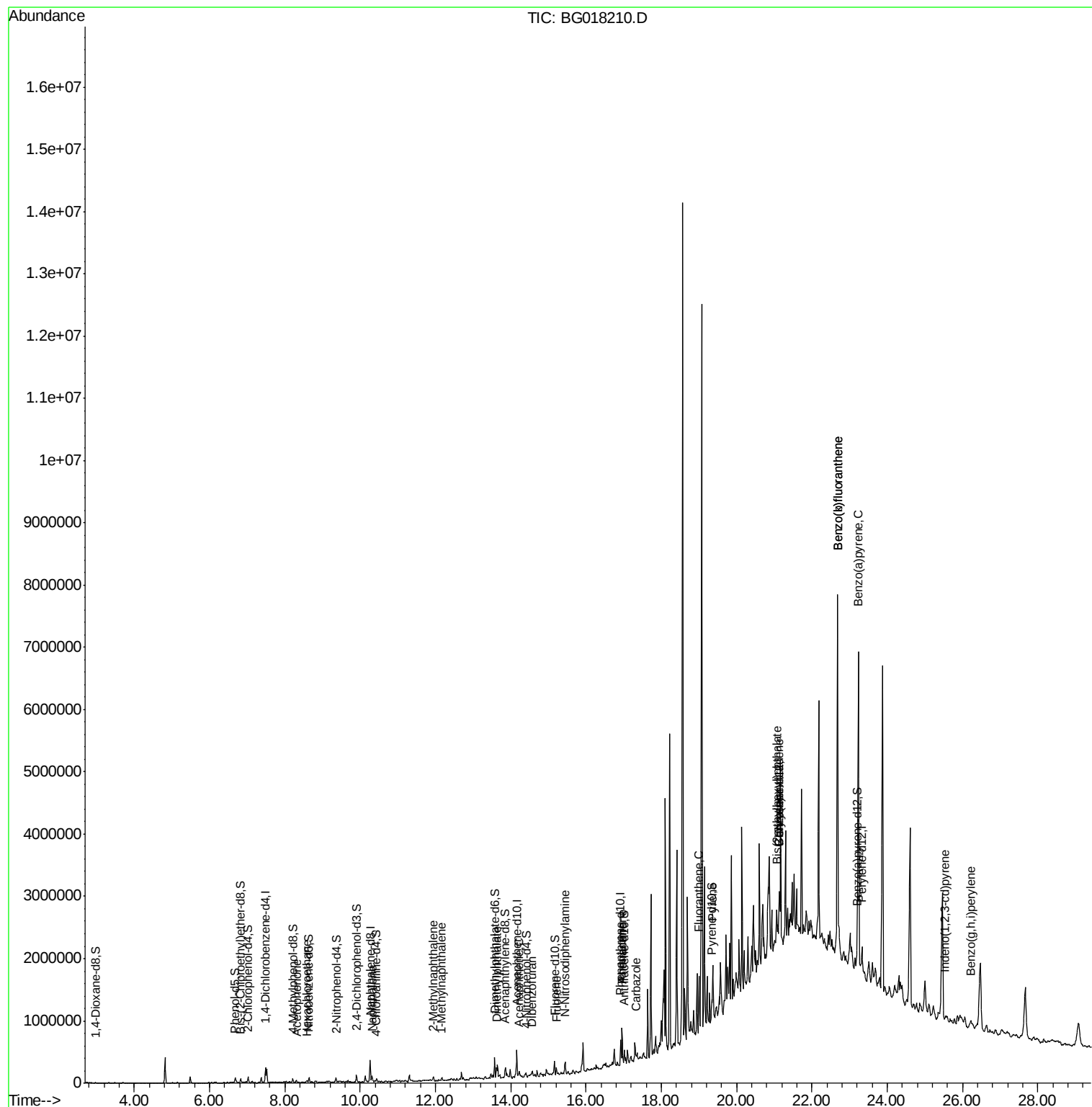
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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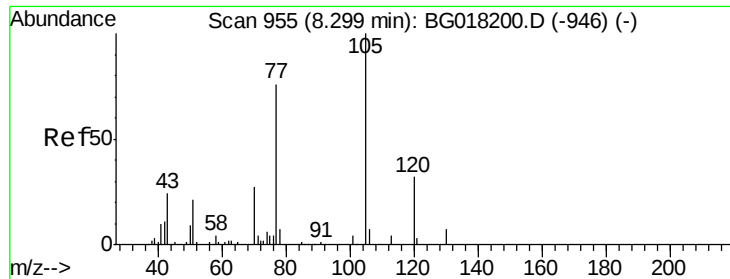
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SVOA CALIBRATION
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#14

Acetophenone

Concen: 1.93 ng/ul

RT: 8.30 min Scan# 956

Delta R.T. 0.01 min

Lab File: BG018210.D

Acq: 1 Aug 2015 8:43

Instrument :

BNA_G

ClientSampleId :

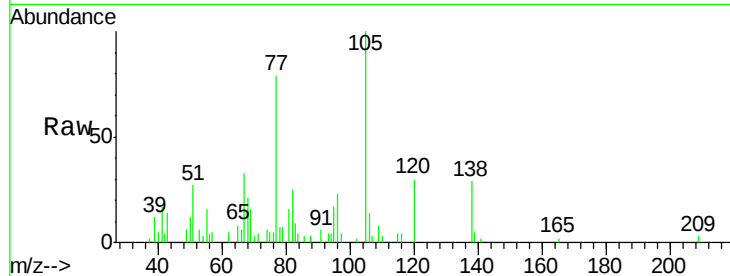
Tot Ion:105 Resp: 13045

Ion Ratio Lower Upper

105 100

77 79.1 58.4 87.6

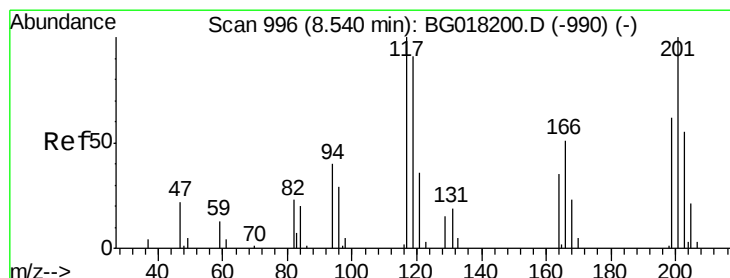
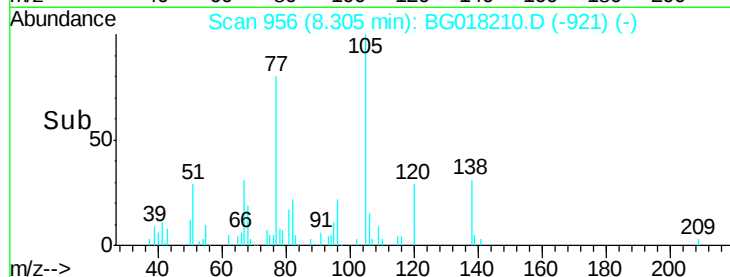
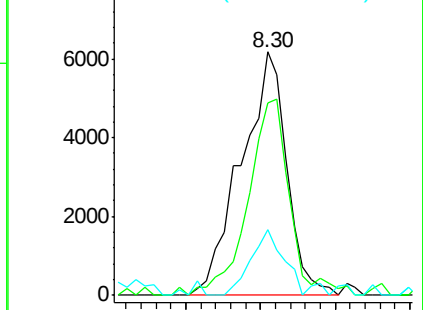
51 26.9 16.5 24.7#



Abundance Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BGC

Ion 51.00 (50.70 to 51.70): BGC



#17

Hexachloroethane

Concen: 1.22 ng/ul

RT: 8.59 min Scan# 1004

Delta R.T. 0.05 min

Lab File: BG018210.D

Acq: 1 Aug 2015 8:43

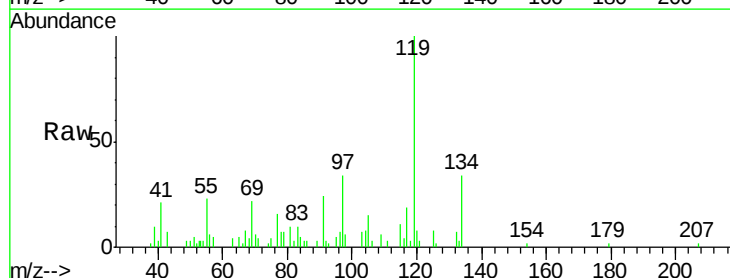
Tgt Ion:117 Resp: 2205

Ion Ratio Lower Upper

117 100

201 0.0 85.0 127.4#

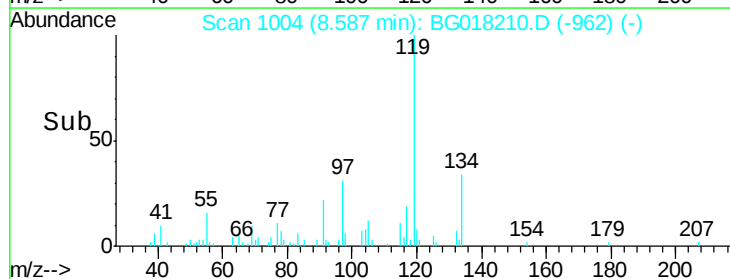
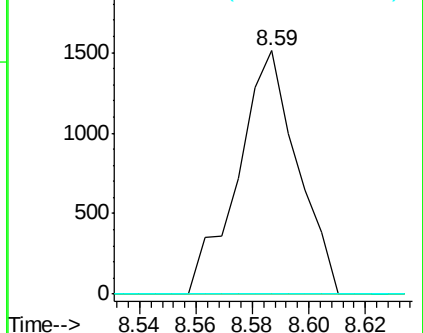
199 0.0 52.2 78.4#

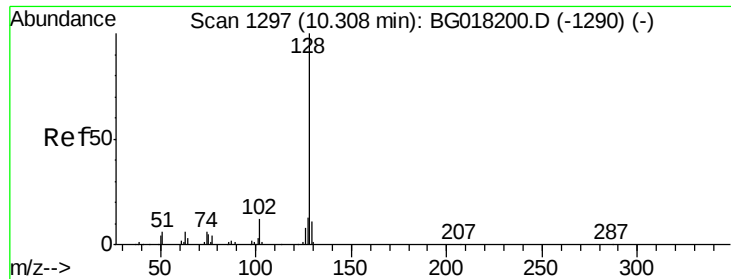


Abundance Ion 117.00 (116.70 to 117.70): E

Ion 201.00 (200.70 to 201.70): E

Ion 199.00 (198.70 to 199.70): E

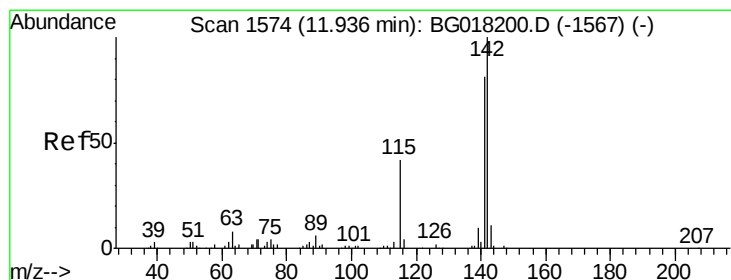
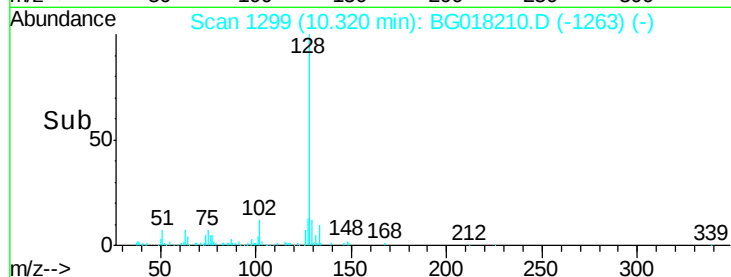
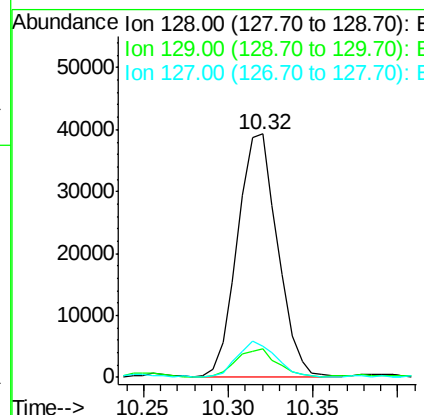
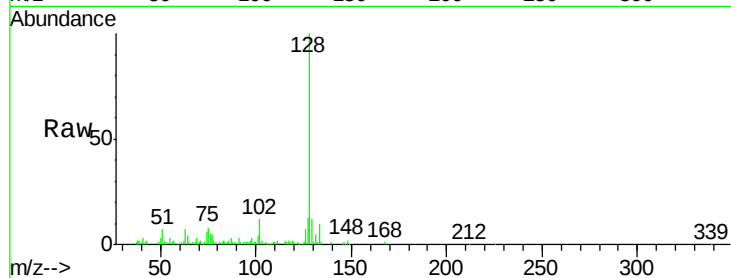




#28
Naphthalene
Concen: 5.29 ng/ul
RT: 10.32 min Scan# 1299
Delta R.T. 0.01 min
Lab File: BG018210.D
Acq: 1 Aug 2015 8:43

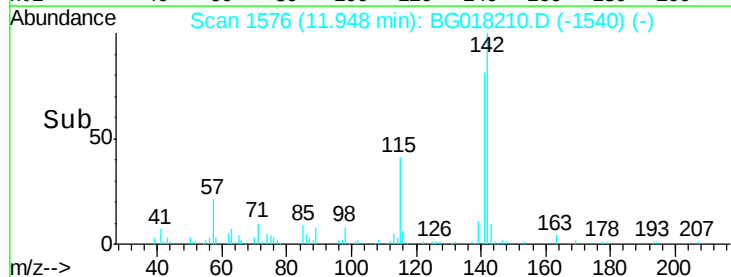
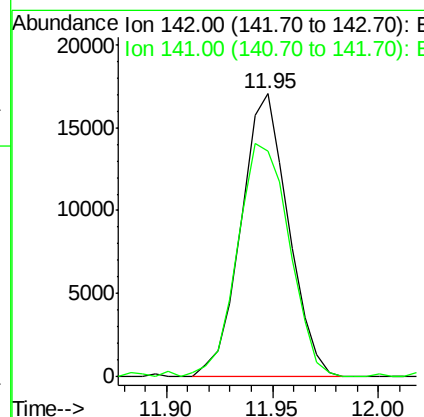
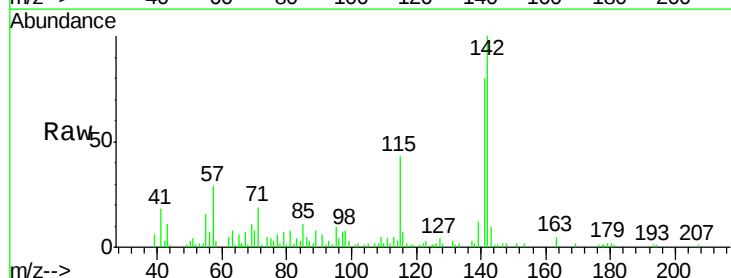
Instrument :
BNA_G
ClientSampled :

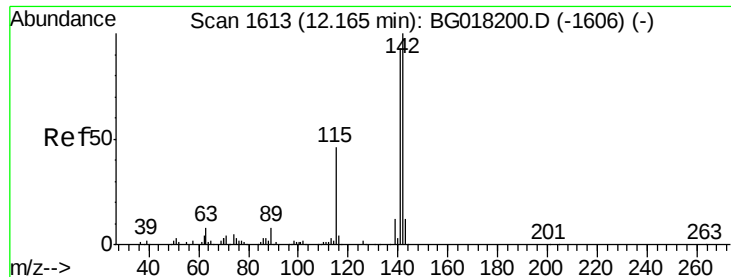
Tot Ion:128 Resp: 65160
Ion Ratio Lower Upper
128 100
129 12.0 9.1 13.7
127 12.6 11.2 16.8



#34
2-Methylnaphthalene
Concen: 2.71 ng/ul
RT: 11.95 min Scan# 1576
Delta R.T. 0.01 min
Lab File: BG018210.D
Acq: 1 Aug 2015 8:43

Tgt Ion:142 Resp: 26428
Ion Ratio Lower Upper
142 100
141 79.8 70.3 105.5

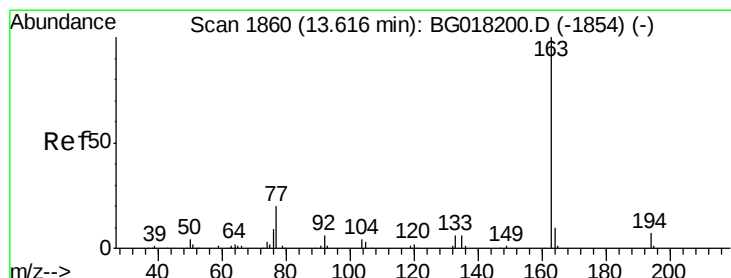
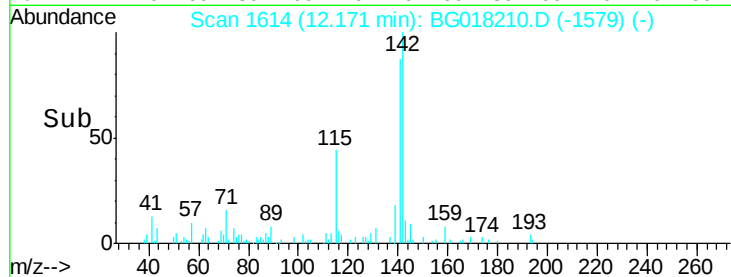
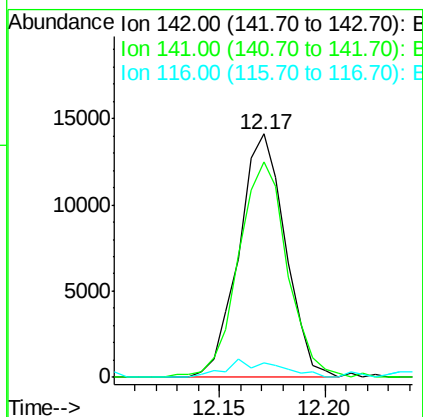
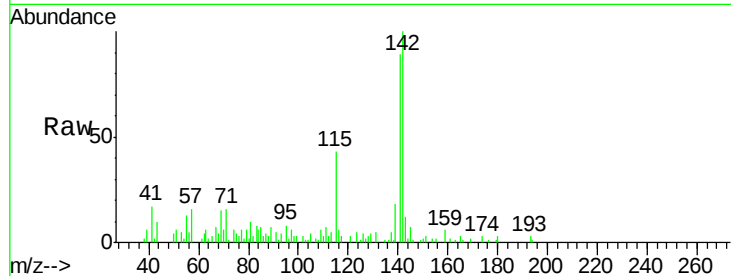




#35
 1-Methyl-naphthalene
 Concen: 2.31 ng/ul
 RT: 12.17 min Scan# 1614
 Delta R.T. 0.01 min
 Lab File: BG018210.D
 Acq: 1 Aug 2015 8:43

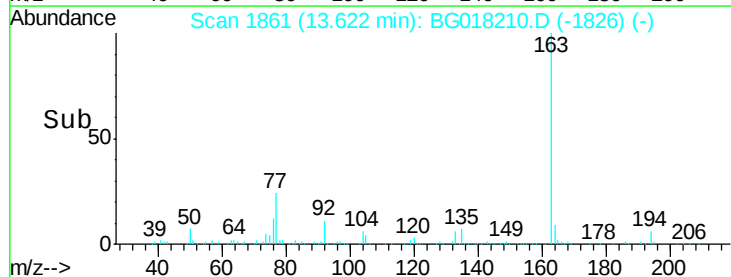
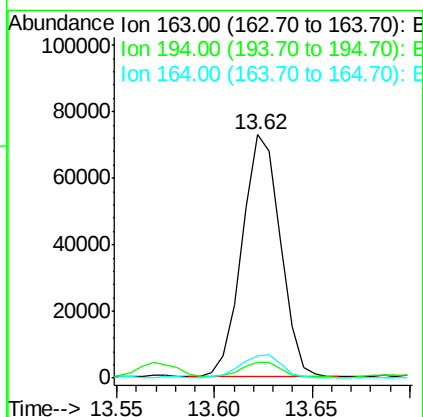
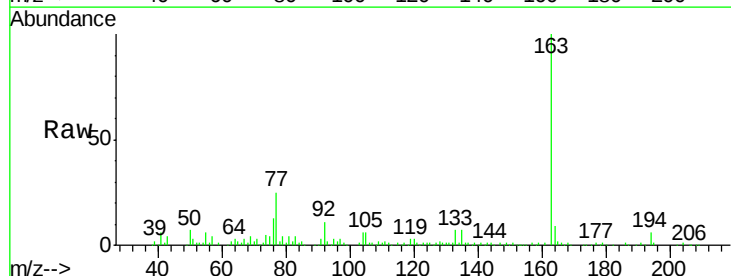
Instrument :
 BNA_G
 ClientSampleId :

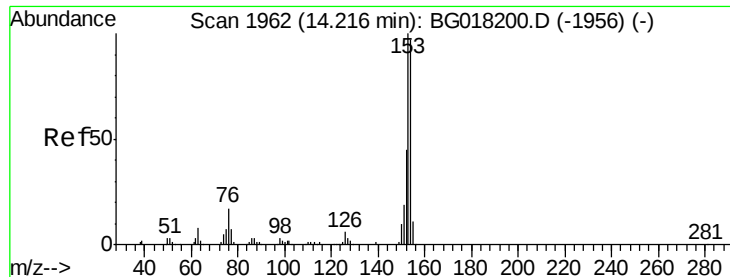
Tot Ion:142 Resp: 21581
 Ion Ratio Lower Upper
 142 100
 141 88.6 72.5 108.7
 116 6.0 2.6 4.0#



#45
 Dimethylphthalate
 Concen: 10.38 ng/ul
 RT: 13.62 min Scan# 1861
 Delta R.T. 0.01 min
 Lab File: BG018210.D
 Acq: 1 Aug 2015 8:43

Tgt Ion:163 Resp: 99112
 Ion Ratio Lower Upper
 163 100
 194 6.4 5.2 7.8
 164 8.9 8.4 12.6





#50

Acenaphthene

Concen: 4.73 ng/ul

RT: 14.23 min Scan# 1964

Delta R.T. 0.01 min

Lab File: BG018210.D

Acq: 1 Aug 2015 8:43

Instrument :

BNA_G

ClientSampleId :

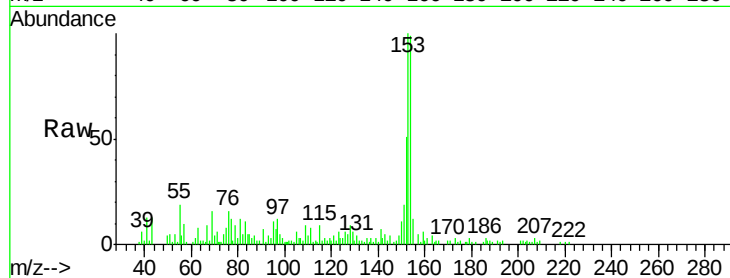
Tot Ion:153 Resp: 34038

Ion Ratio Lower Upper

153 100

152 50.9 38.7 58.1

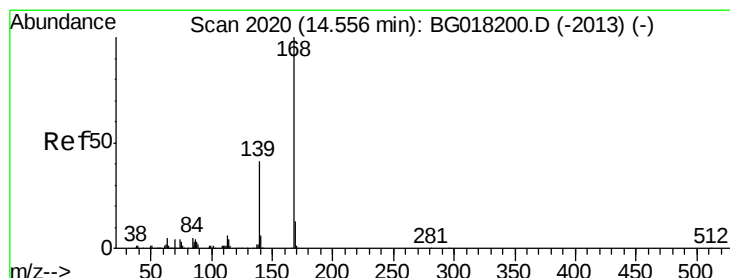
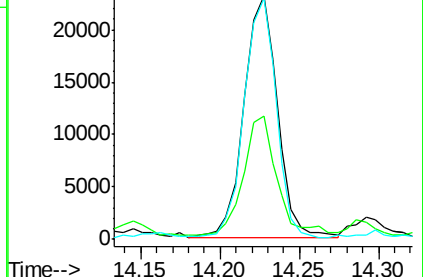
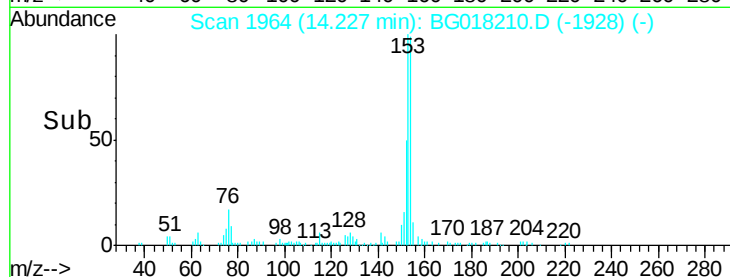
154 99.2 74.8 112.2



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: 2.51 ng/ul

RT: 14.56 min Scan# 2021

Delta R.T. 0.01 min

Lab File: BG018210.D

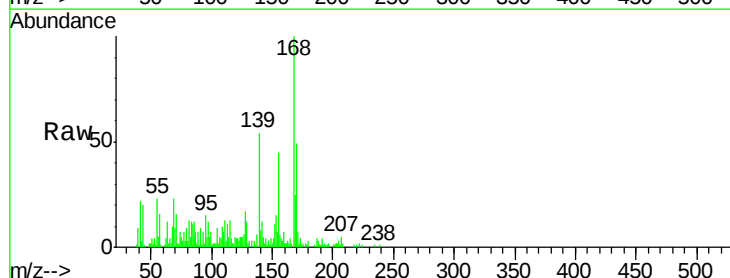
Acq: 1 Aug 2015 8:43

Tgt Ion:168 Resp: 27186

Ion Ratio Lower Upper

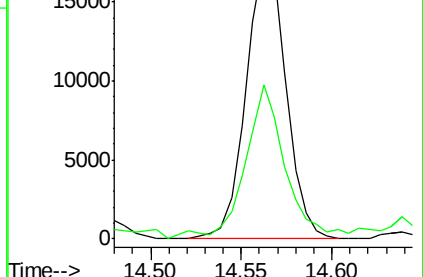
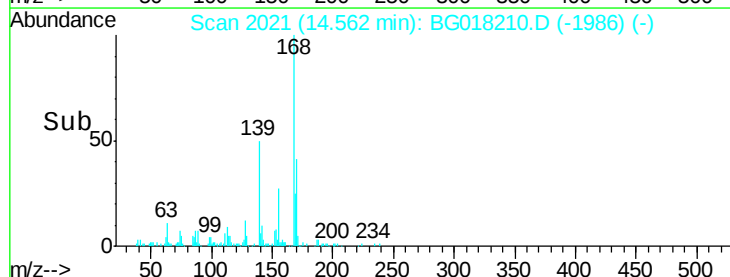
168 100

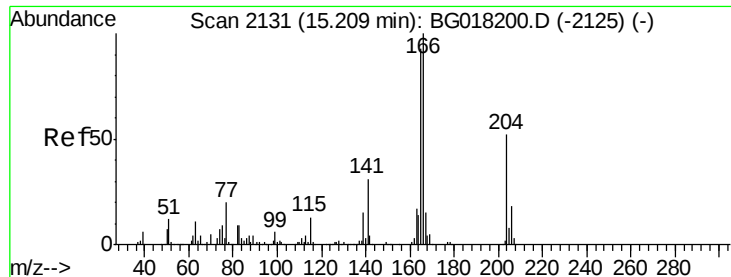
139 54.4 26.8 40.2#



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

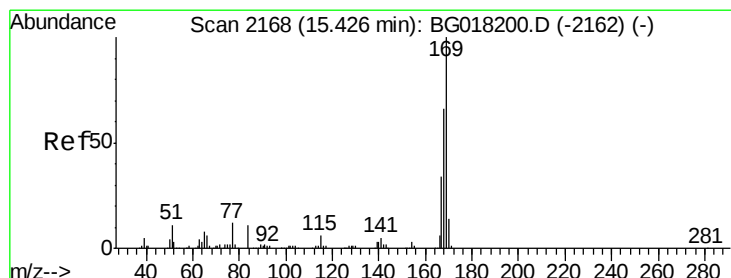
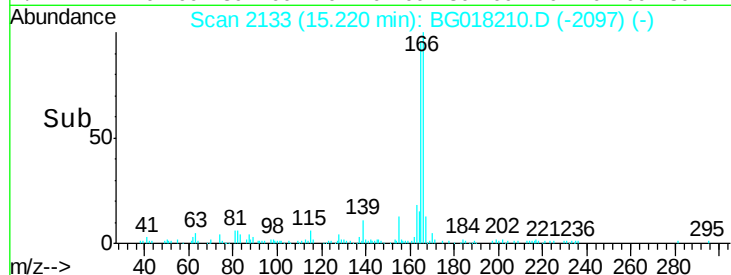
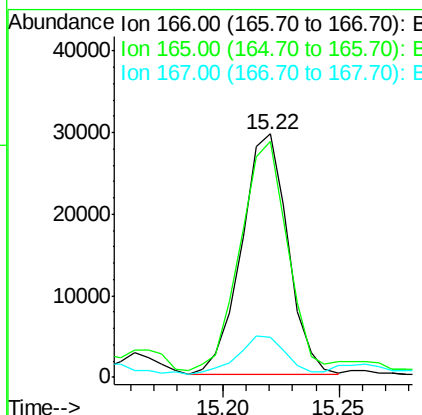
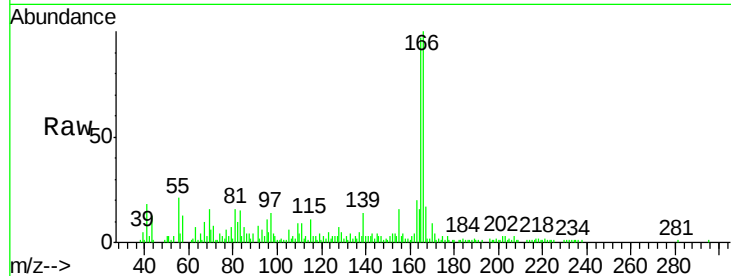




#59
 Fluorene
 Concen: 4.40 ng/ul
 RT: 15.22 min Scan# 2133
 Delta R.T. 0.01 min
 Lab File: BG018210.D
 Acq: 1 Aug 2015 8:43

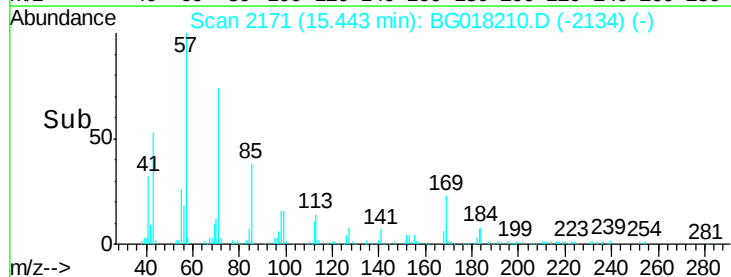
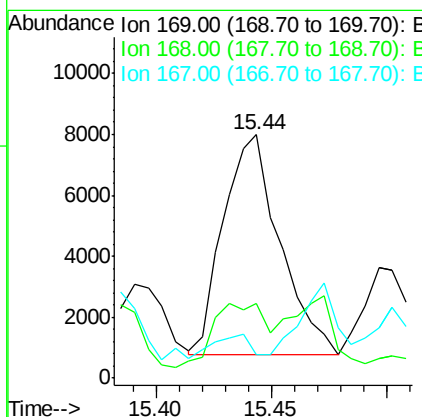
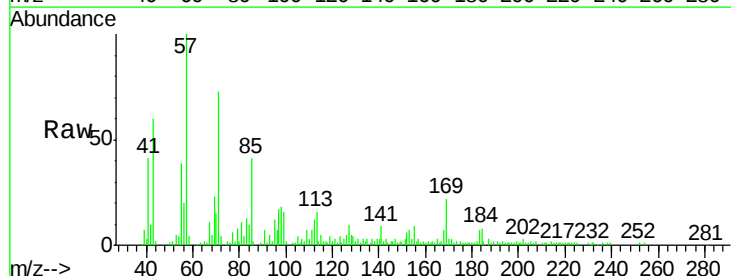
Instrument :
 BNA_G
 ClientSampleId :

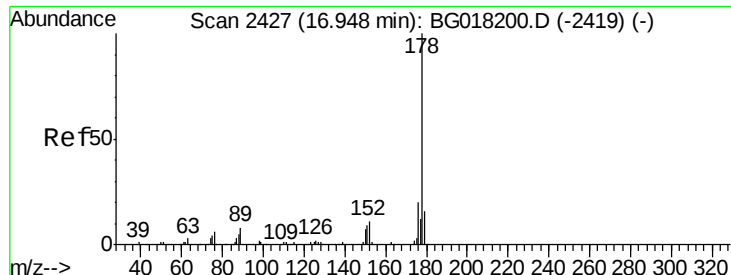
Tot Ion	166	Resp	41187
Ion Ratio	100		
Lower	75.1		
Upper	112.7		
165	97.1		
167	16.6		
		11.8	17.6



#65
 N-Nitrosodiphenylamine
 Concen: 2.07 ng/ul
 RT: 15.44 min Scan# 2171
 Delta R.T. 0.02 min
 Lab File: BG018210.D
 Acq: 1 Aug 2015 8:43

Tgt Ion	169	Resp	12190
Ion Ratio	100		
Lower	51.8		
Upper	77.6#		
168	30.7		
167	9.7		
		27.7	41.5#





#70

Phenanthrene

Concen: 28.54 ng/ul

RT: 16.97 min Scan# 2430

Delta R.T. 0.02 min

Lab File: BG018210.D

Acq: 1 Aug 2015 8:43

Instrument :

BNA_G

ClientSampleId :

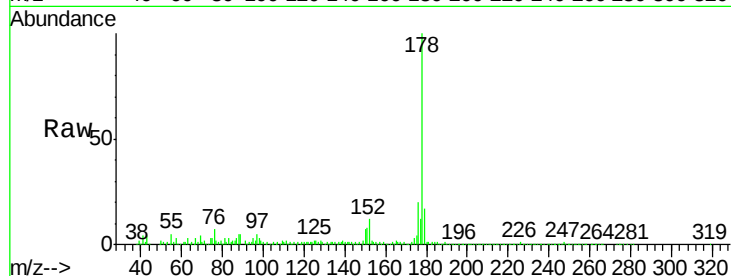
Tot Ion:178 Resp: 329437

Ion Ratio Lower Upper

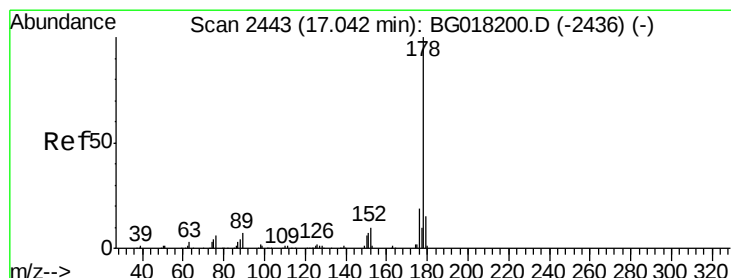
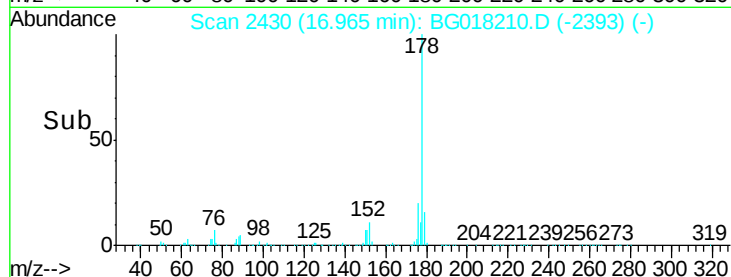
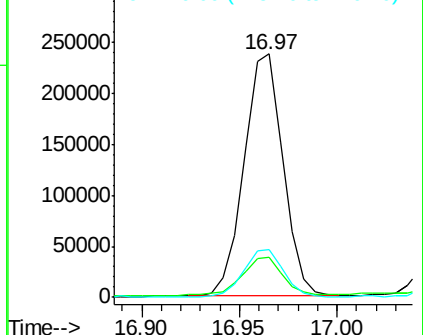
178 100

179 16.6 12.8 19.2

176 19.8 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: 28.69 ng/ul

RT: 16.97 min Scan# 2430

Delta R.T. -0.08 min

Lab File: BG018210.D

Acq: 1 Aug 2015 8:43

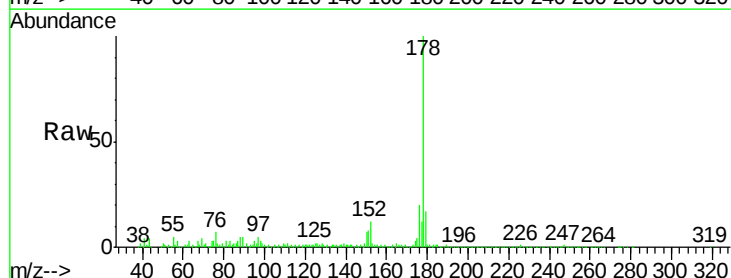
Tgt Ion:178 Resp: 329437

Ion Ratio Lower Upper

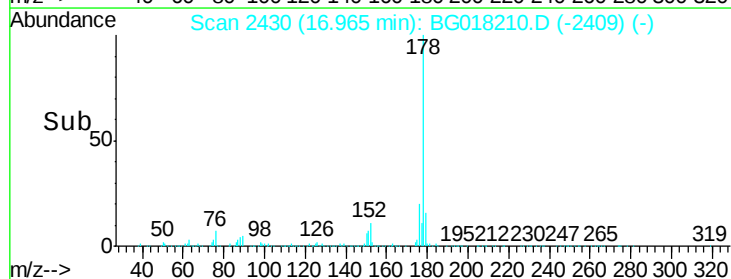
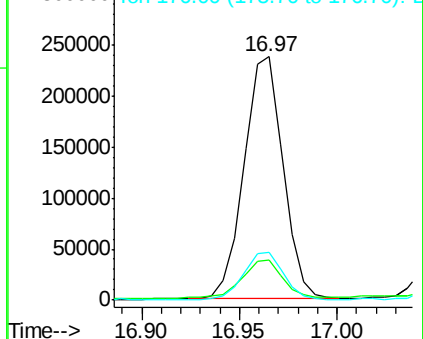
178 100

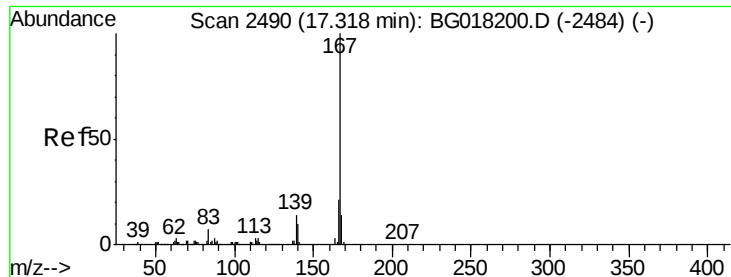
179 16.6 12.2 18.2

176 19.8 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: 2.70 ng/ul

RT: 17.33 min Scan# 2492

Delta R.T. 0.01 min

Lab File: BG018210.D

Acq: 1 Aug 2015 8:43

Instrument :

BNA_G

ClientSampled :

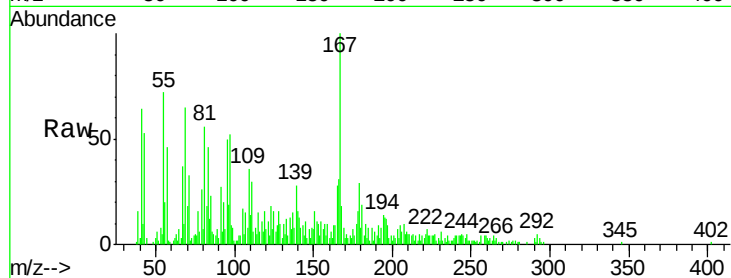
Tot Ion:167 Resp: 25759

Ion Ratio Lower Upper

167 100

166 30.5 17.5 26.3#

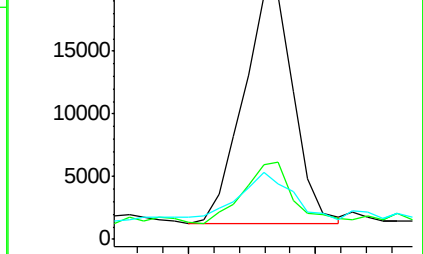
139 27.8 10.1 15.1#



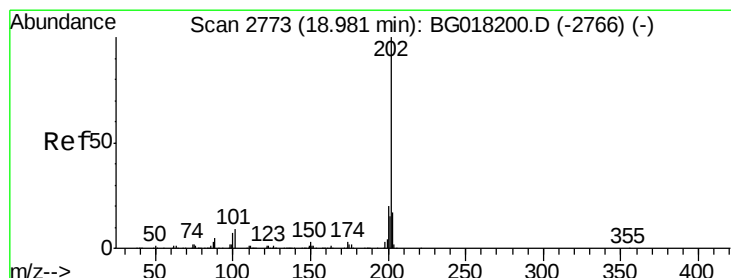
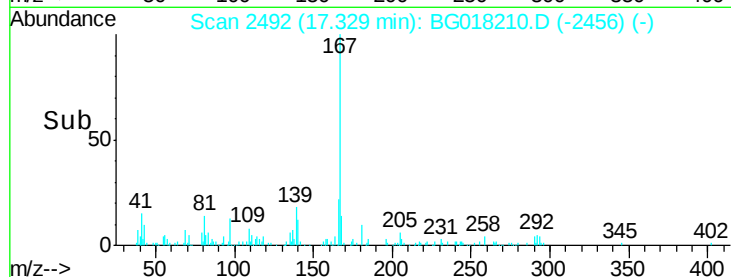
Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E



Time-->



#77

Fluoranthene

Concen: 35.08 ng/ul

RT: 19.00 min Scan# 2777

Delta R.T. 0.02 min

Lab File: BG018210.D

Acq: 1 Aug 2015 8:43

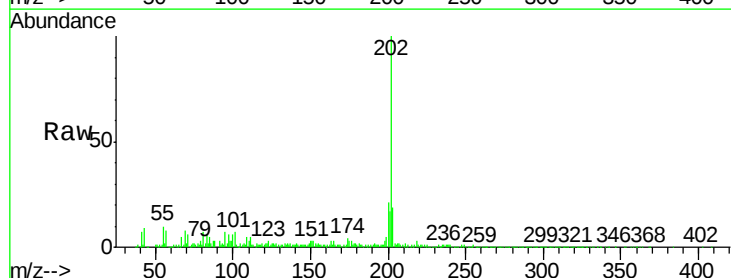
Tgt Ion:202 Resp: 444686

Ion Ratio Lower Upper

202 100

101 7.0 7.5 11.3#

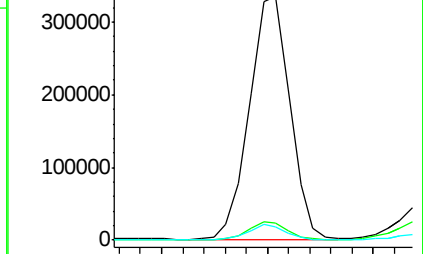
100 5.7 5.5 8.3



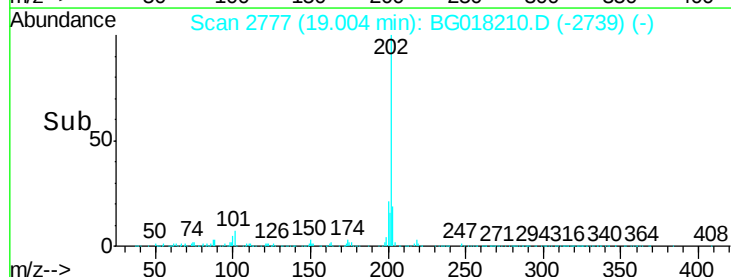
Abundance Ion 202.00 (201.70 to 202.70): E

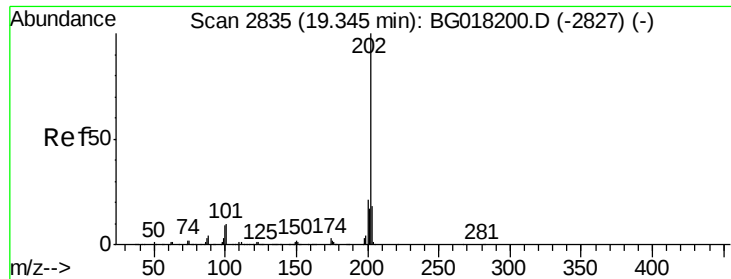
Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): E



Time-->

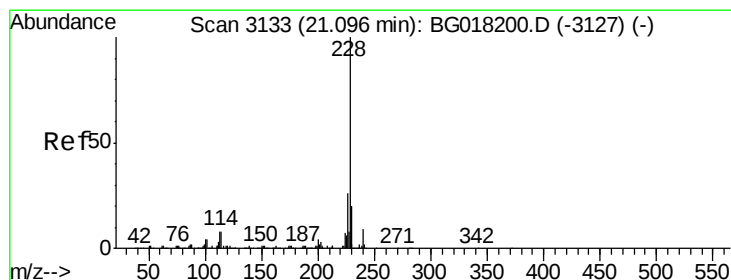
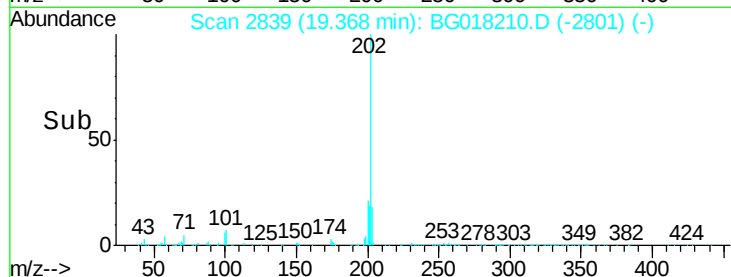
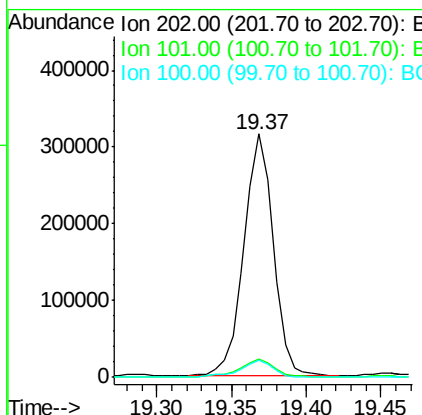
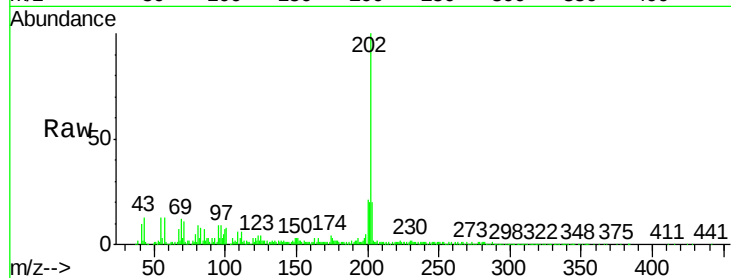




#80
 Pvrene
 Concen: 23.28 ng/ul
 RT: 19.37 min Scan# 2839
 Delta R.T. 0.02 min
 Lab File: BG018210.D
 Acq: 1 Aug 2015 8:43

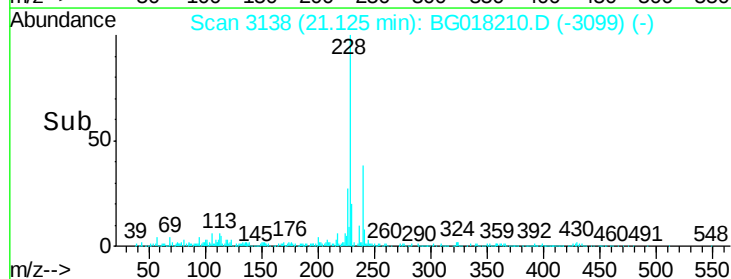
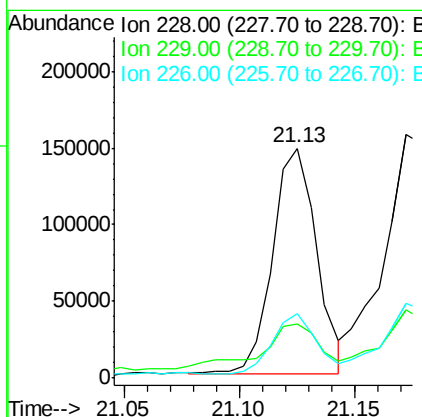
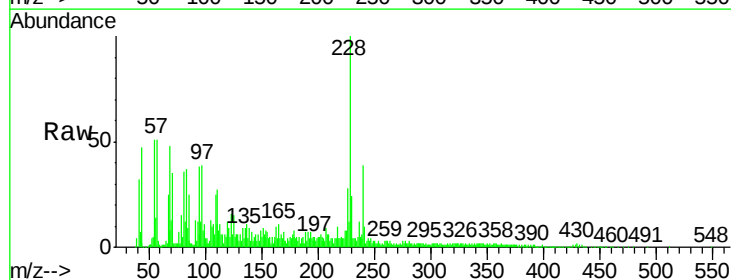
Instrument :
 BNA_G
 ClientSampleId :

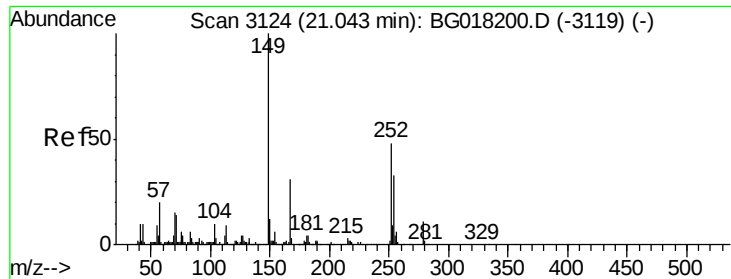
Tot Ion	Ratio	Lower	Upper
202	100		
101	7.6	8.1	12.1#
100	7.0	7.4	11.0#



#83
 Benzo(a)anthracene
 Concen: 11.89 ng/ul
 RT: 21.13 min Scan# 3138
 Delta R.T. 0.03 min
 Lab File: BG018210.D
 Acq: 1 Aug 2015 8:43

Tgt Ion	Ratio	Lower	Upper
228	100		
229	23.7	16.5	24.7
226	28.2	21.5	32.3





#84

Bis(2-ethylhexyl)phthalate

Concen: 16.43 ng/ul

RT: 21.06 min Scan# 3127

Delta R.T. 0.02 min

Lab File: BG018210.D

Acq: 1 Aug 2015 8:43

Instrument :

BNA_G

ClientSampleId :

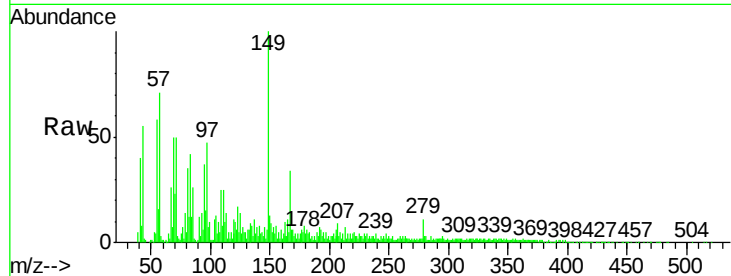
Tot Ion:149 Resp: 167035

Ion Ratio Lower Upper

149 100

167 34.1 27.4 41.2

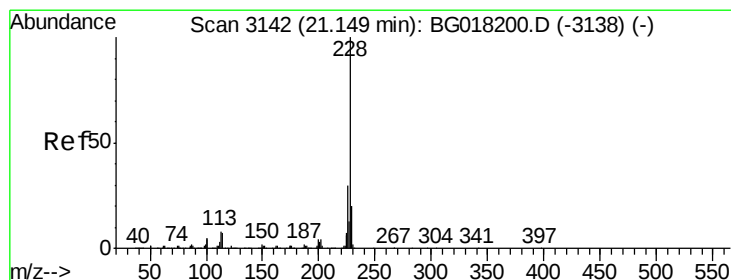
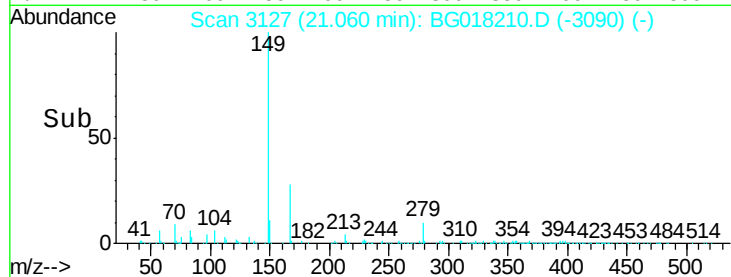
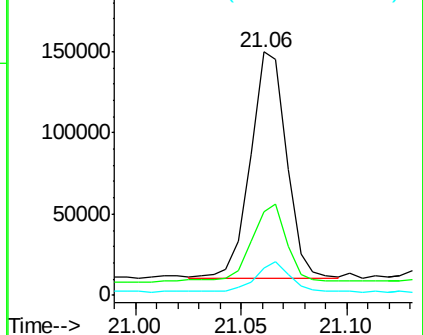
279 11.4 8.3 12.5



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: 13.15 ng/ul

RT: 21.13 min Scan# 3138

Delta R.T. -0.02 min

Lab File: BG018210.D

Acq: 1 Aug 2015 8:43

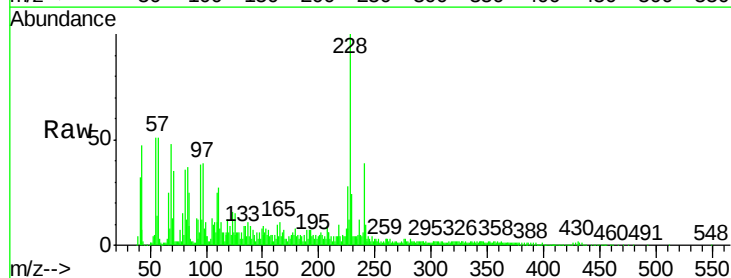
Tgt Ion:228 Resp: 198310

Ion Ratio Lower Upper

228 100

226 28.2 22.7 34.1

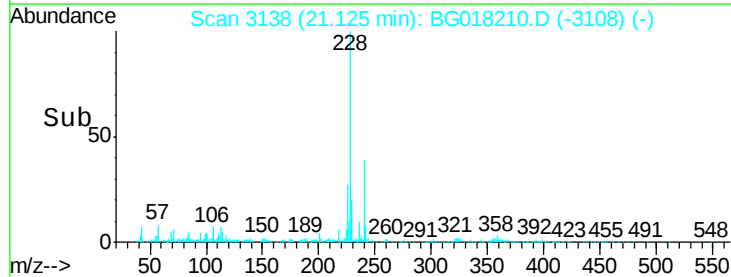
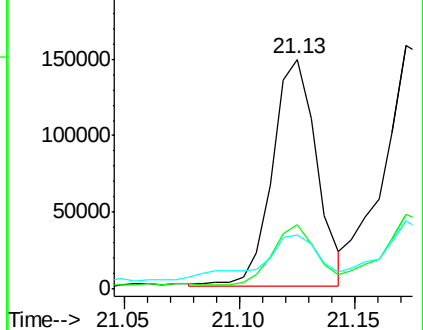
229 23.7 16.2 24.2

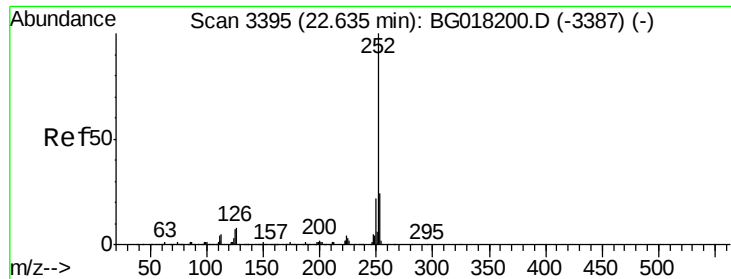


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#88

Benzo(b)fluoranthene

Concen: 17.00 ng/ul

RT: 22.68 min Scan# 3402

Delta R.T. 0.04 min

Lab File: BG018210.D

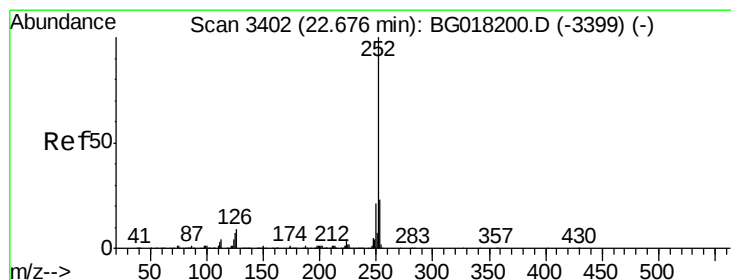
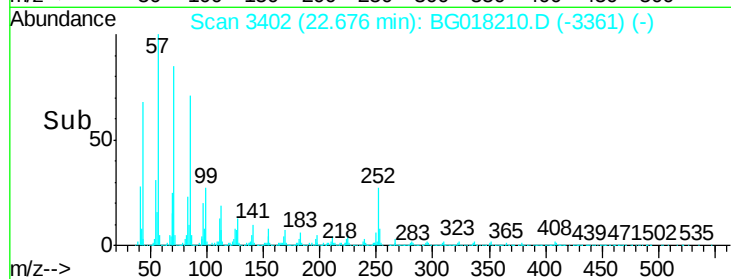
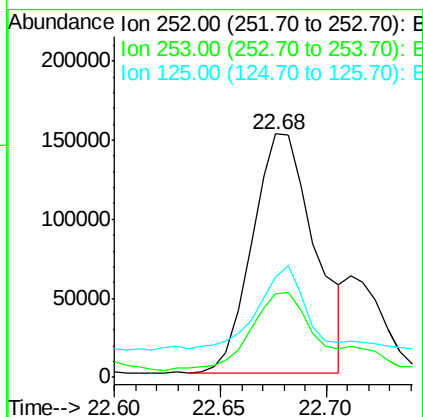
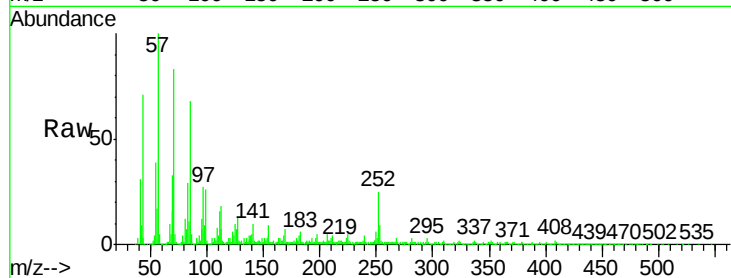
Acq: 1 Aug 2015 8:43

Instrument :

BNA_G

ClientSampleId :

Tot Ion:252	Resp:	309418
Ion Ratio	Lower	Upper
252	100	
253	34.1	18.5 27.7#
125	41.1	7.4 11.0#



#89

Benzo(k)fluoranthene

Concen: 18.50 ng/ul

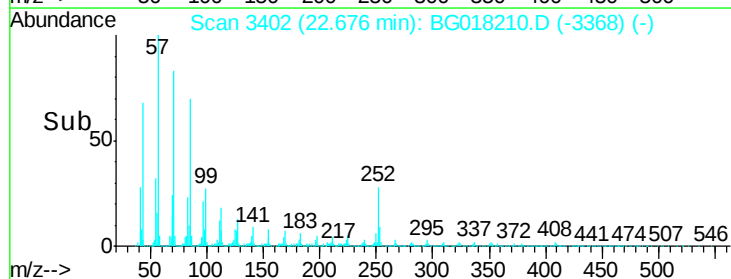
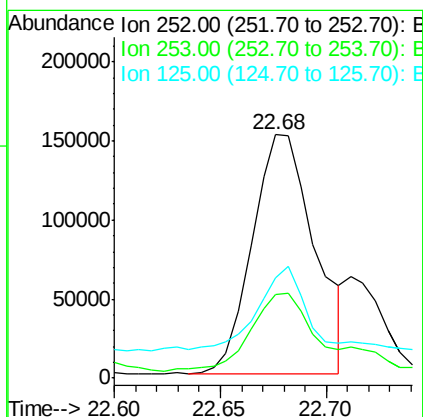
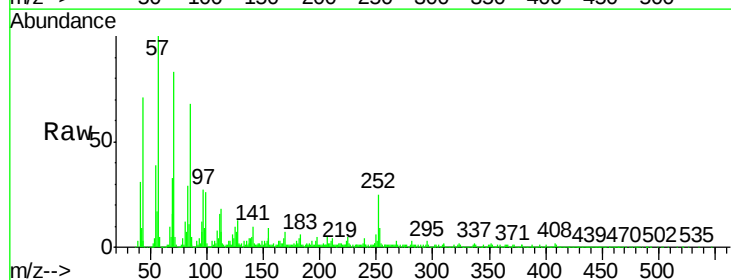
RT: 22.68 min Scan# 3402

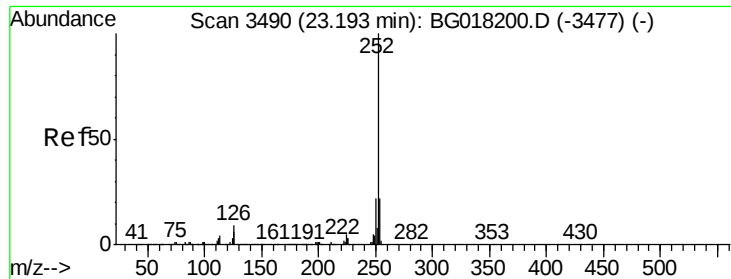
Delta R.T. -0.00 min

Lab File: BG018210.D

Acq: 1 Aug 2015 8:43

Tgt Ion:252	Resp:	309418
Ion Ratio	Lower	Upper
252	100	
253	34.1	18.2 27.2#
125	41.1	7.5 11.3#





#91

Benzo(a)pyrene

Concen: 12.24 ng/ul

RT: 23.23 min Scan# 3497

Delta R.T. 0.04 min

Lab File: BG018210.D

Acq: 1 Aug 2015 8:43

Instrument :

BNA_G

ClientSampleId :

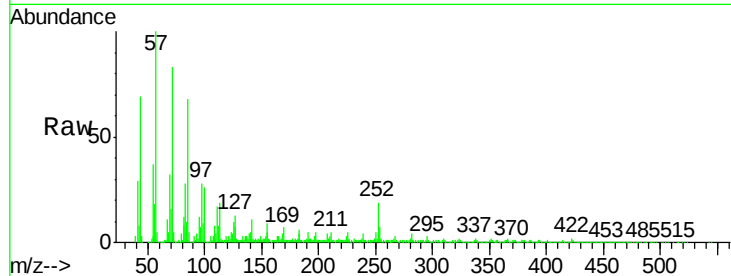
Tot Ion:252 Resp: 199329

Ion Ratio Lower Upper

252 100

253 36.4 17.4 26.2#

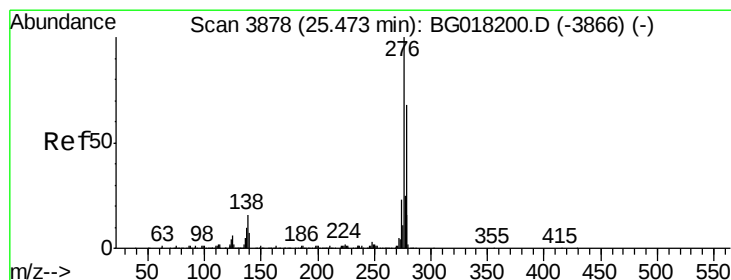
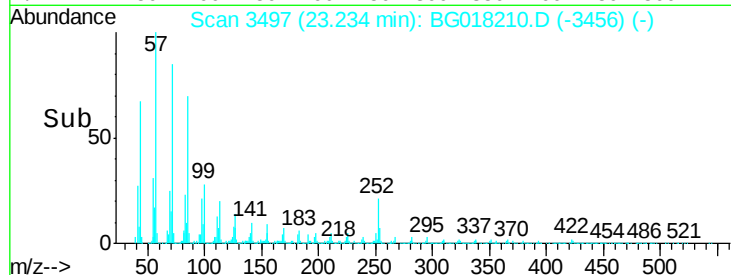
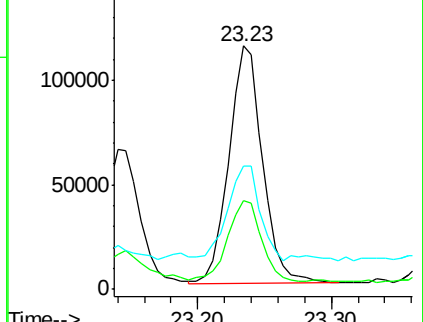
125 50.4 7.3 10.9#



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: 3.74 ng/ul

RT: 25.54 min Scan# 3890

Delta R.T. 0.07 min

Lab File: BG018210.D

Acq: 1 Aug 2015 8:43

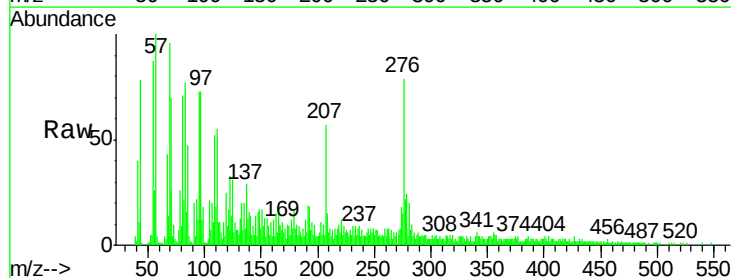
Tgt Ion:276 Resp: 70406

Ion Ratio Lower Upper

276 100

138 16.8 17.2 25.8#

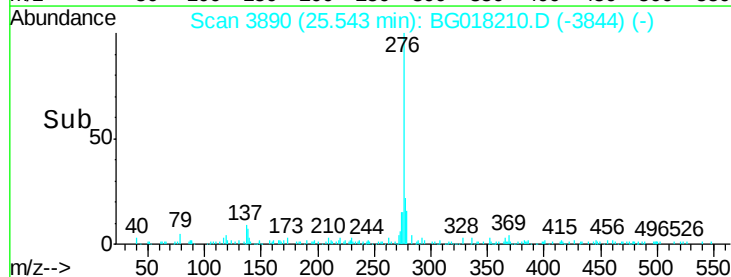
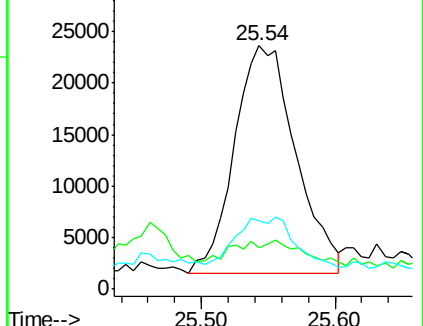
277 28.1 19.5 29.3

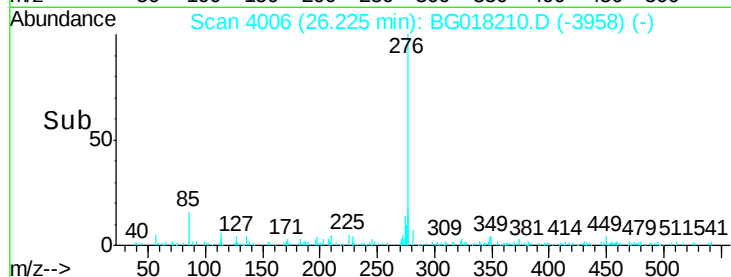
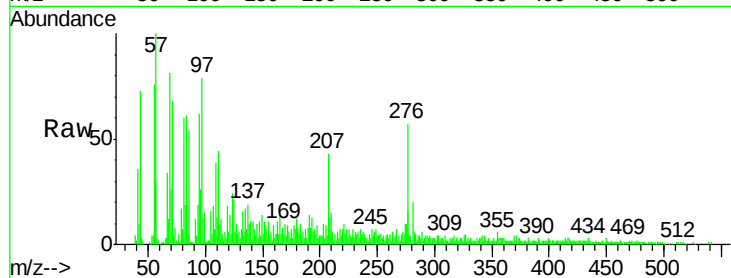
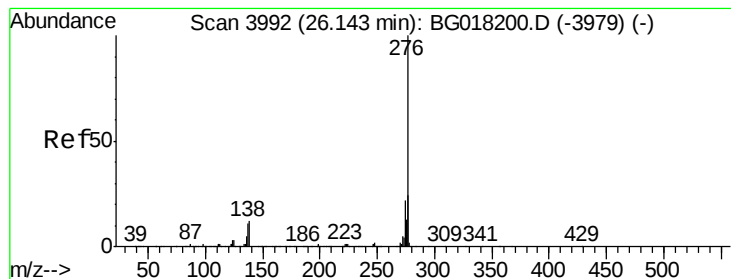


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





#94

Benzo(a,h,i)perylene

Concen: 4.21 ng/ul

RT: 26.22 min Scan# 4006

Delta R.T. 0.08 min

Lab File: BG018210.D

Acq: 1 Aug 2015 8:43

Instrument :

BNA_G

ClientSampleId :

Tot Ion:276 Resp: 64717

Ion Ratio Lower Upper

276 100

138 16.6 15.1 22.7

277 25.8 19.8 29.6

