

Data Path : Z:\HPCHEM1\BNA G\DATA\BG080515\
 Data File : BG018295.D
 Acq On : 6 Aug 2015 5:36
 Operator : UM/TP
 Sample : G3109-12RE
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 C01P8RE

Quant Time: Aug 06 07:51:13 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	7.45	152	53657	20.00	ng/ul	0.02
18) Naphthalene-d8	10.23	136	223395	20.00	ng/ul	0.02
36) Acenaphthene-d10	14.13	164	112271	20.00	ng/ul	0.02
62) Phenanthrene-d10	16.90	188	181820m	20.00	ng/ul	0.03
78) Chrysene-d12	21.14	240	369759m	20.00	ng/ul	0.05
86) Perylene-d12	23.22	264	250519m	20.00	ng/ul	-0.03

System Monitoring Compounds

3) 1,4-Dioxane-d8	2.91	96	722	1.16	ng/uL	0.00
5) Phenol-d5	6.66	99	38884	9.21	ng/ul	0.02
7) Bis-(2-Chloroethyl)ether-d	6.79	67	21517	10.55	ng/ul	0.01
9) 2-Chlorophenol-d4	6.99	132	34818	9.91	ng/ul	0.02
13) 4-Methylphenol-d8	8.19	113	33904	9.52	ng/ul	0.02
19) Nitrobenzene-d5	8.60	128	19803	11.45	ng/ul	0.02
22) 2-Nitrophenol-d4	9.32	143	19525	9.76	ng/ul	0.02
26) 2,4-Dichlorophenol-d3	9.88	165	35839	9.74	ng/ul	0.02
29) 4-Chloroaniline-d4	10.38	131	22883	5.19	ng/ul	0.02
44) Dimethylphthalate-d6	13.54	166	106126	12.22	ng/ul	0.02
47) Acenaphthylene-d8	13.82	160	119331	12.12	ng/ul	0.02
52) 4-Nitrophenol-d4	14.38	143	229	0.16	ng/ul	0.01
58) Fluorene-d10	15.14	176	80225	10.28	ng/ul	0.02
63) 4,6-Dinitro-2-methylphenol	0.00	200	0d	0.00	ng/ul	
71) Anthracene-d10	17.01	188	81409m	10.18	ng/ul	0.03
79) Pyrene-d10	19.34	212	96801m	4.68	ng/ul	0.06
90) Benzo(a)pyrene-d12	23.22	264	239249m	18.35	ng/ul	0.11

Target Compounds

						Ovalue
11) 2-Methylphenol	7.92	108	4490	1.31	ng/ul	98
14) Acetophenone	8.24	105	27397m	4.78	ng/ul	
16) 4-Methylphenol	8.25	108	20825	5.43	ng/ul	94
24) 2,4-Dimethylphenol	9.44	107	67627m	15.03	ng/ul	
28) Naphthalene	10.28	128	169612	16.15	ng/ul#	96
34) 2-Methylnaphthalene	11.91	142	79712	9.46	ng/ul	98
35) 1-Methylnaphthalene	12.13	142	55490	6.81	ng/ul	98
41) 1,1'-Biophenyl	12.95	154	40559	5.24	ng/ul	97
45) Dimethylphthalate	13.59	163	64786	7.48	ng/ul#	96
50) Acenaphthene	14.20	153	82203	12.53	ng/ul	97
54) Dibenzofuran	14.54	168	74983	7.76	ng/ul	98
59) Fluorene	15.19	166	88170	10.40	ng/ul#	89
70) Phenanthrene	16.95	178	470010	51.22	ng/ul	99
72) Anthracene	17.04	178	124879m	13.64	ng/ul	
75) Carbazole	17.32	167	43987m	5.69	ng/ul	
77) Fluoranthene	19.01	202	587303m	57.71	ng/ul	
80) Pyrene	19.37	202	607355m	23.62	ng/ul	
83) Benzo(a)anthracene	21.12	228	505650m	25.91	ng/ul	
84) Bis(2-ethylhexyl)phthalate	21.06	149	3123353m	260.28	ng/ul	
85) Chrysene	21.12	228	512815m	29.24	ng/ul	
88) Benzo(b)fluoranthene	22.69	252	731421m	47.61	ng/ul	
89) Benzo(k)fluoranthene	22.73	252	450141m	30.55	ng/ul	
91) Benzo(a)pyrene	23.17	252	337828m	25.18	ng/ul	

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Instrument :
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Quant Time: Aug 06 07:51:13 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

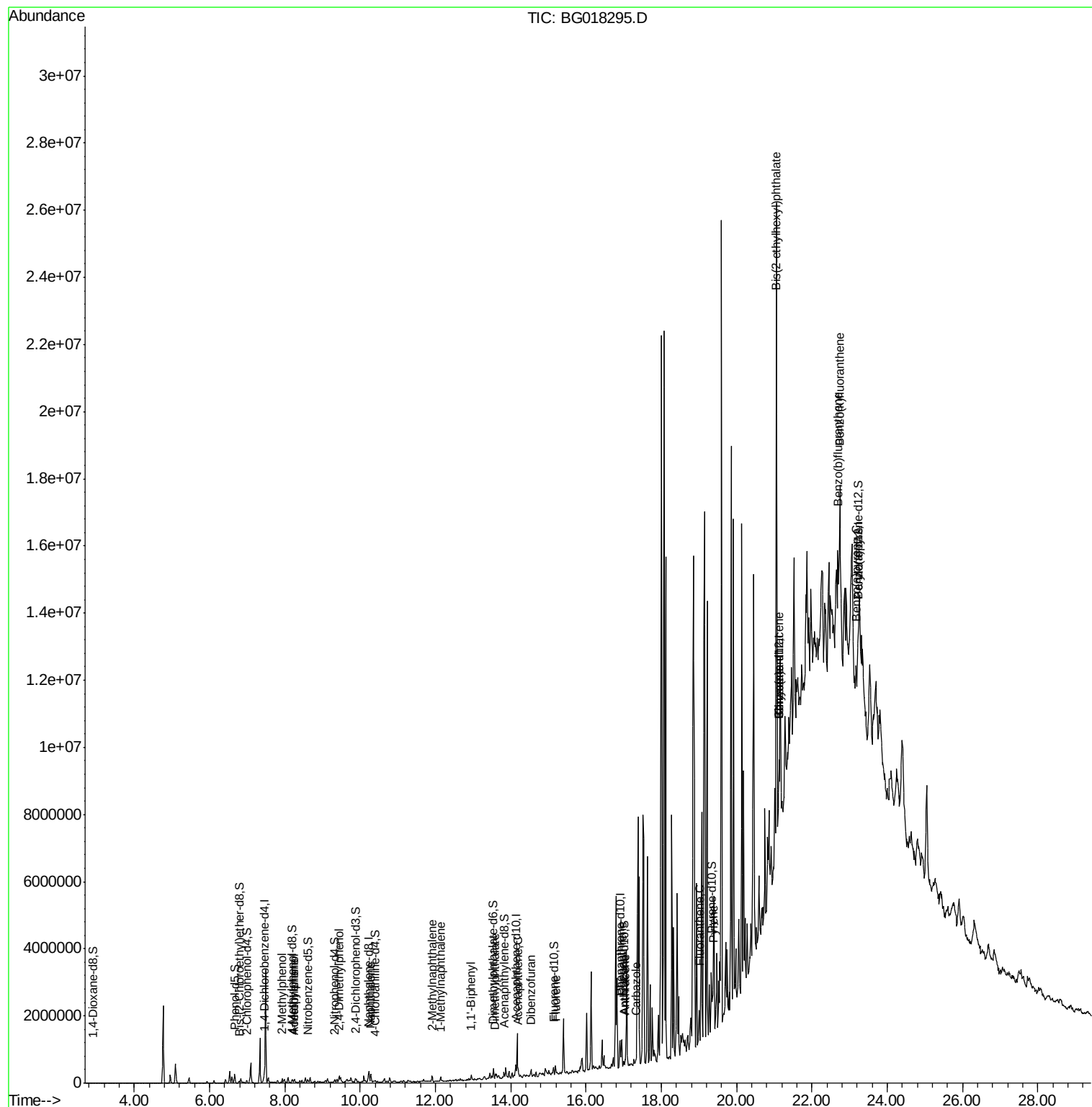
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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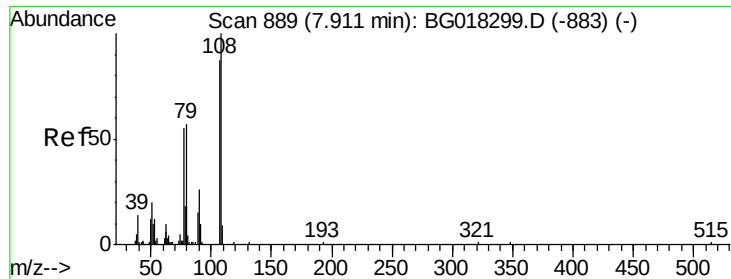
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Instrument :
BNA_G
ClientSampled :
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Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG080515.M
Quant Title : SVOA CALIBRATION
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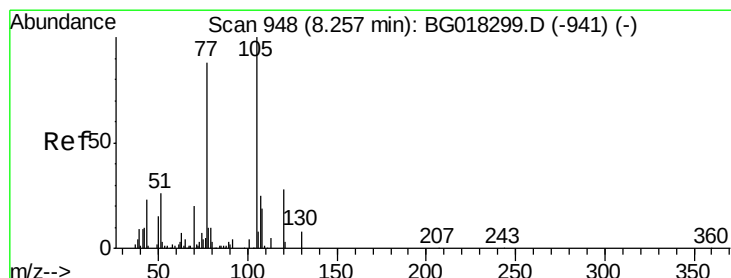
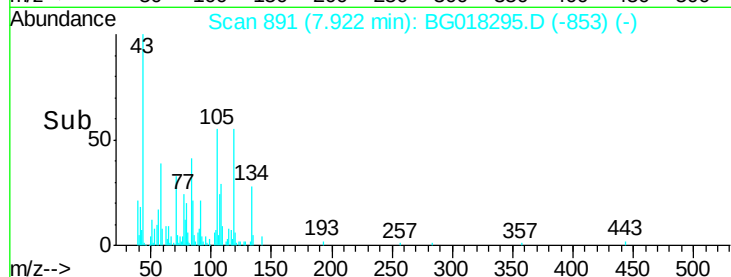
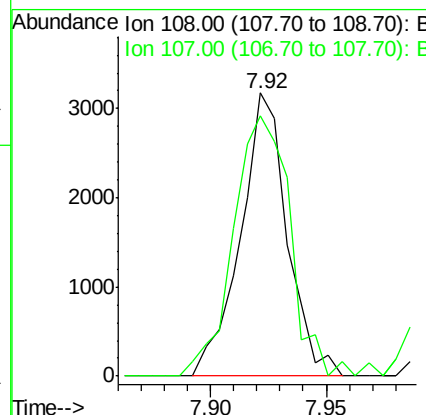
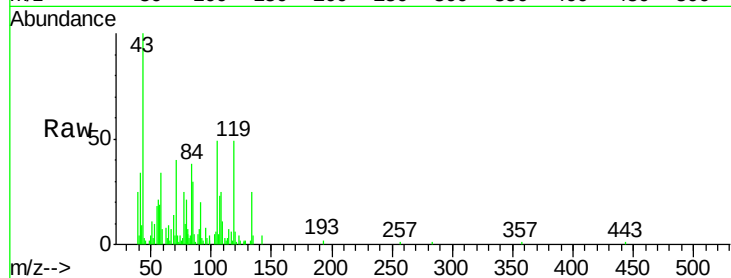




#11
2-Methylphenol
Concen: 1.31 ng/ul
RT: 7.92 min Scan# 891
Delta R.T. 0.02 min
Lab File: BG018295.D
Acq: 6 Aug 2015 5:36

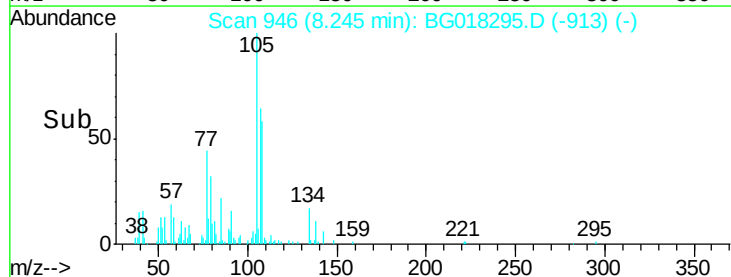
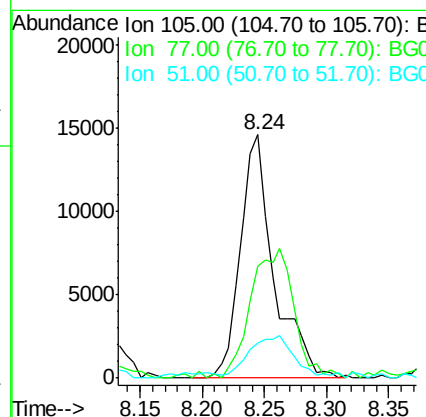
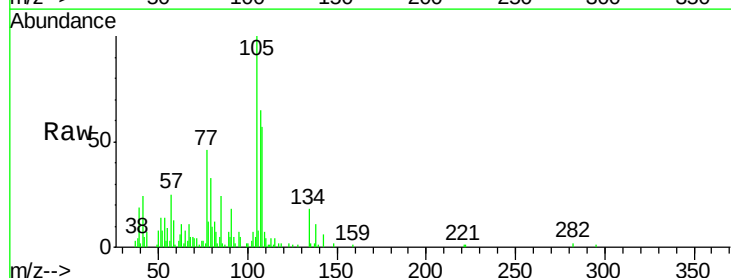
Instrument :
BNA_G
ClientSampleId :
C01P8RE

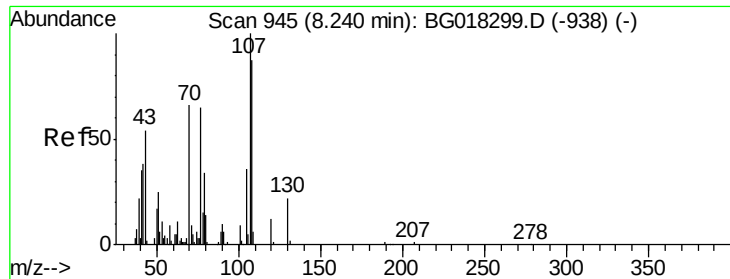
Tot Ion:108 Resp: 4490
Ion Ratio Lower Upper
108 100
107 92.2 72.2 108.4



#14
Acetophenone
Concen: 4.78 ng/ul m
RT: 8.24 min Scan# 946
Delta R.T. -0.01 min
Lab File: BG018295.D
Acq: 6 Aug 2015 5:36

Tgt Ion:105 Resp: 27397
Ion Ratio Lower Upper
105 100
77 45.7 67.5 101.3#
51 14.2 23.6 35.4#

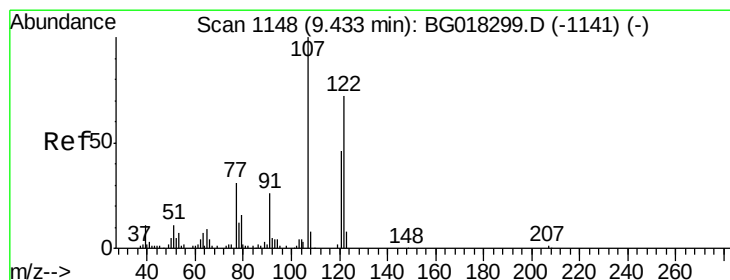
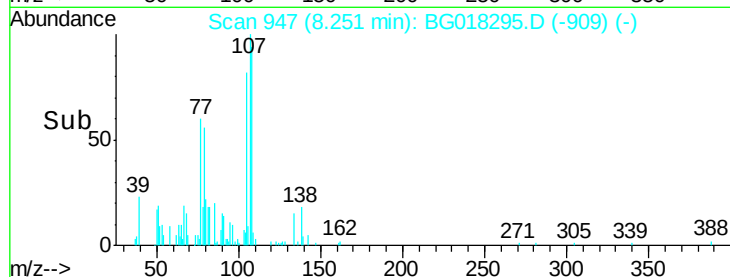
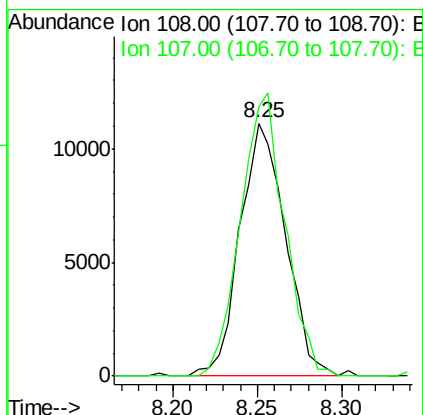
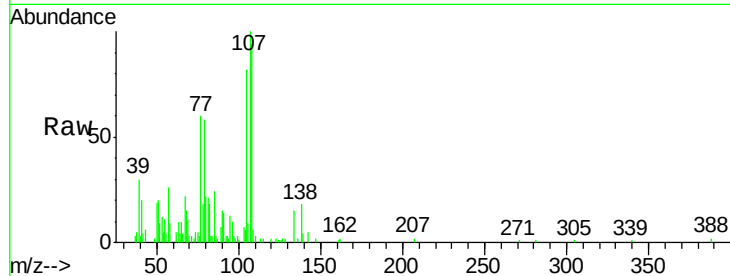




#16
4-Methylphenol
Concen: 5.43 ng/ul
RT: 8.25 min Scan# 947
Delta R.T. 0.02 min
Lab File: BG018295.D
Acq: 6 Aug 2015 5:36

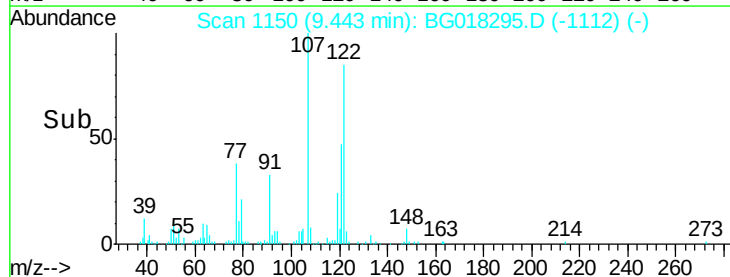
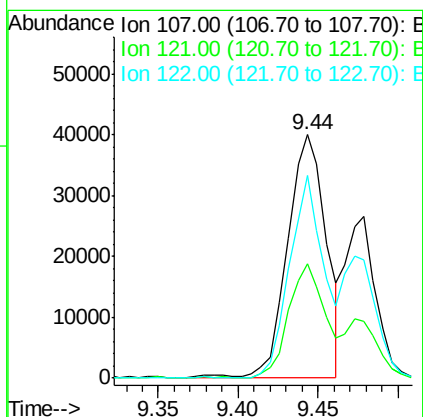
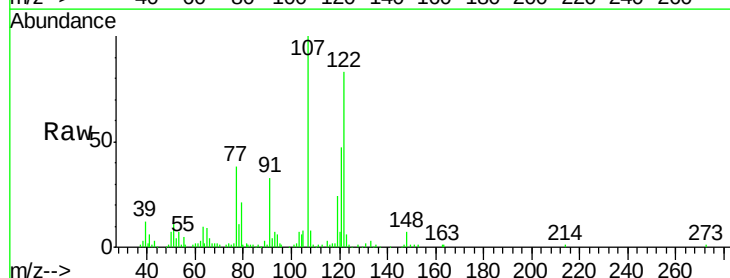
Instrument :
BNA_G
ClientSampleId :
C01P8RE

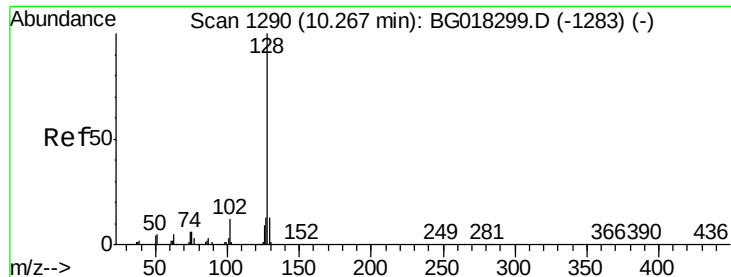
Tot Ion:108 Resp: 20825
Ion Ratio Lower Upper
108 100
107 106.3 89.9 134.9



#24
2,4-Dimethylphenol
Concen: 15.03 ng/ul m
RT: 9.44 min Scan# 1150
Delta R.T. 0.02 min
Lab File: BG018295.D
Acq: 6 Aug 2015 5:36

Tgt Ion:107 Resp: 67627
Ion Ratio Lower Upper
107 100
121 47.1 34.8 52.2
122 83.4 55.5 83.3#

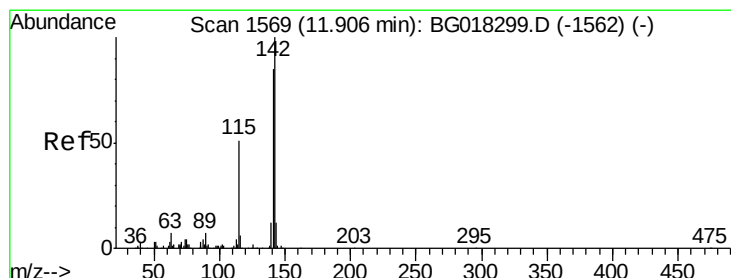
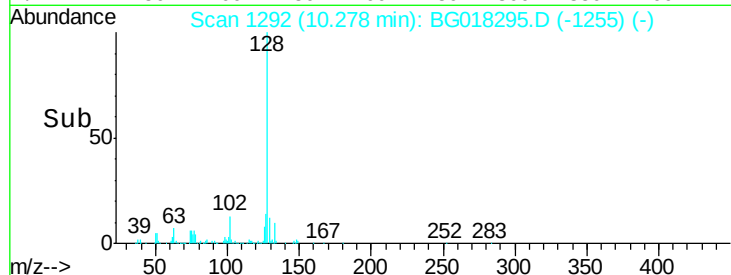
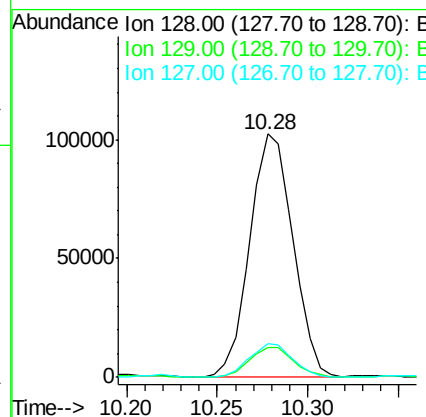
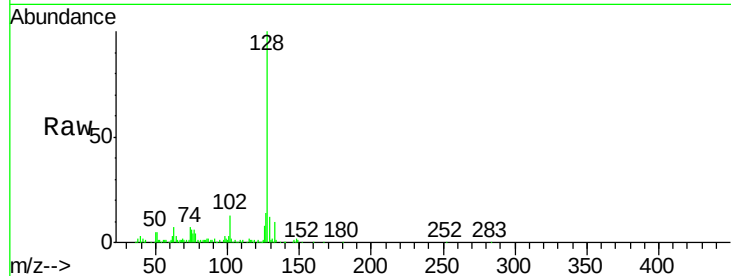




#28
Naphthalene
Concen: 16.15 ng/ul
RT: 10.28 min Scan# 1292
Delta R.T. 0.02 min
Lab File: BG018295.D
Acq: 6 Aug 2015 5:36

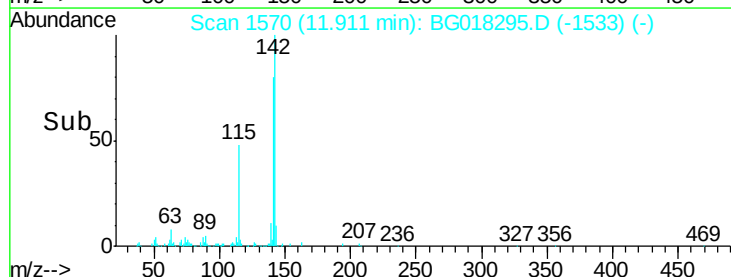
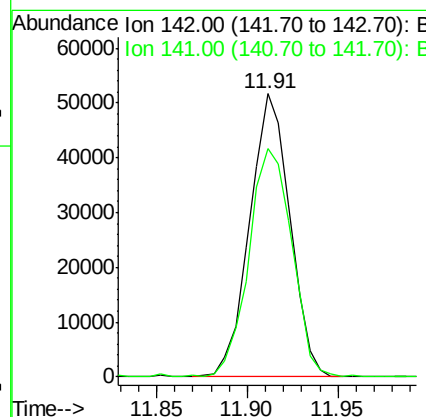
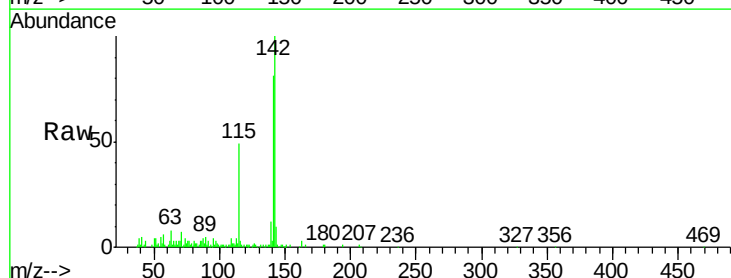
Instrument :
BNA_G
ClientSampleId :
C01P8RE

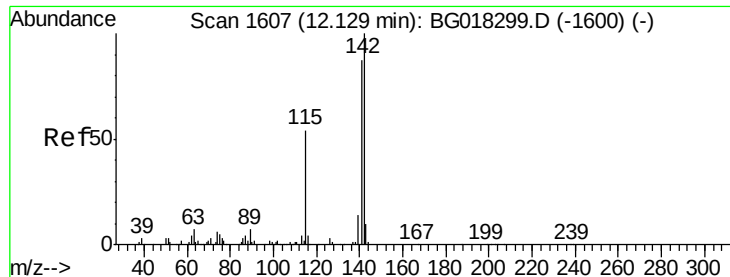
Tot Ion	Ratio	Lower	Upper
128	100		
129	12.0	7.8	11.6#
127	13.8	10.2	15.4



#34
2-Methylnaphthalene
Concen: 9.46 ng/ul
RT: 11.91 min Scan# 1570
Delta R.T. 0.02 min
Lab File: BG018295.D
Acq: 6 Aug 2015 5:36

Tgt Ion	Ratio	Lower	Upper
142	100		
141	80.6	65.9	98.9

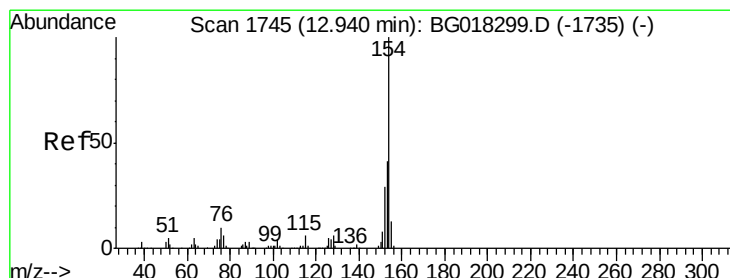
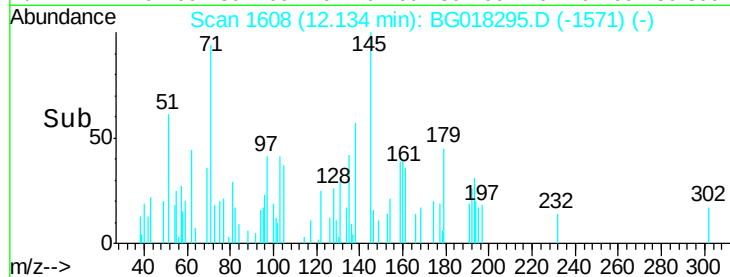
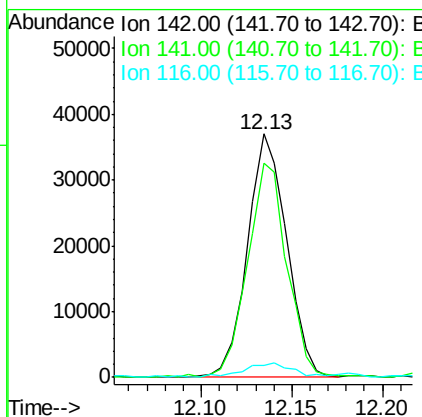
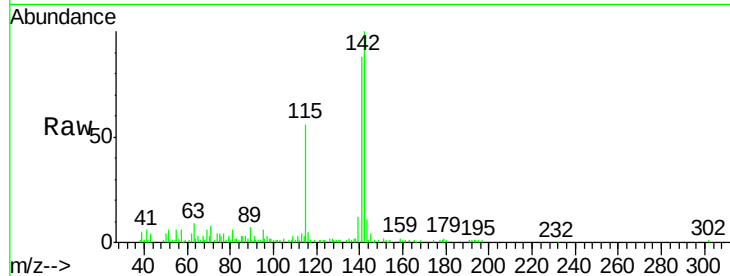




#35
 1-Methylnaphthalene
 Concen: 6.81 ng/ul
 RT: 12.13 min Scan# 1608
 Delta R.T. 0.02 min
 Lab File: BG018295.D
 Acq: 6 Aug 2015 5:36

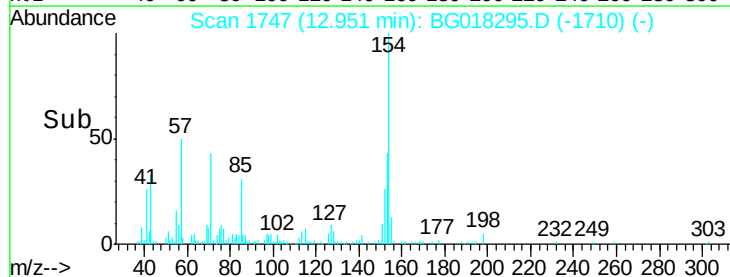
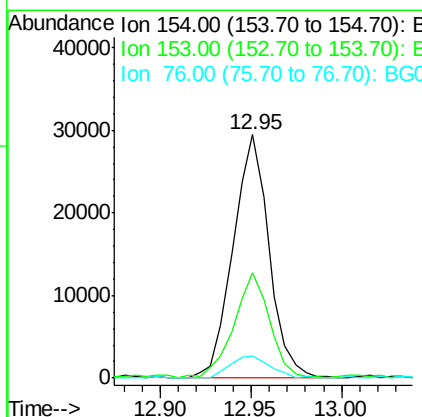
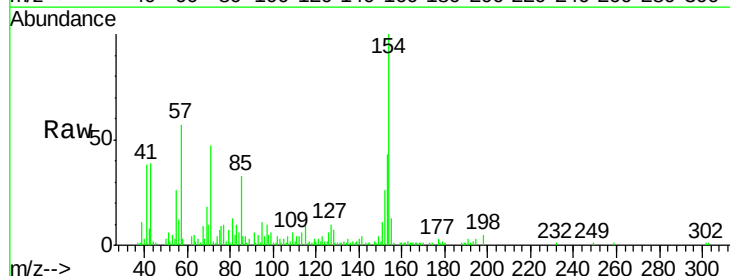
Instrument :
 BNA_G
 ClientSampleId :
 C01P8RE

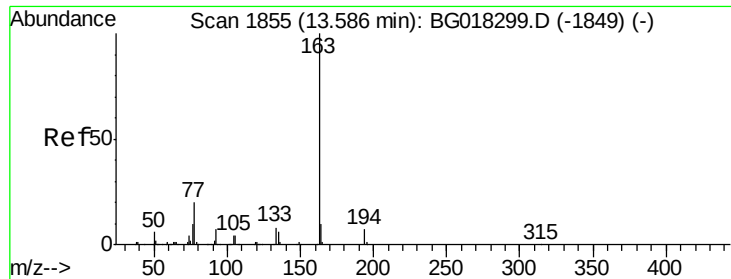
Tot Ion	Ratio	Lower	Upper
142	100		
141	88.1	69.0	103.4
116	4.8	4.2	6.4



#41
 1,1'-Biphenyl
 Concen: 5.24 ng/ul
 RT: 12.95 min Scan# 1747
 Delta R.T. 0.02 min
 Lab File: BG018295.D
 Acq: 6 Aug 2015 5:36

Tgt Ion	Ratio	Lower	Upper
154	100		
153	43.0	33.4	50.0
76	9.0	8.6	12.8





#45

Dimethylphthalate

Concen: 7.48 ng/ul

RT: 13.59 min Scan# 1856

Delta R.T. 0.01 min

Lab File: BG018295.D

Acq: 6 Aug 2015 5:36

Instrument :

BNA_G

ClientSampleId :

C01P8RE

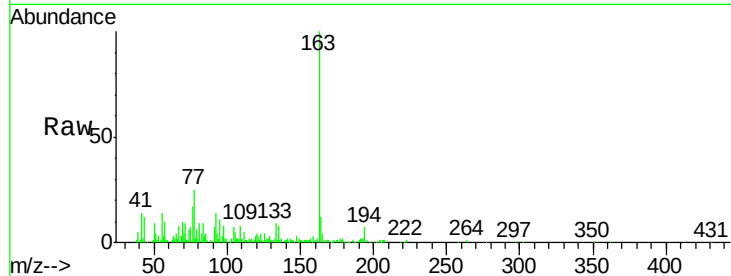
Tot Ion:163 Resp: 64786

Ion Ratio Lower Upper

163 100

194 6.9 5.4 8.2

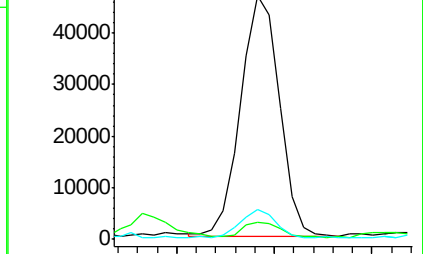
164 12.4 7.8 11.8#



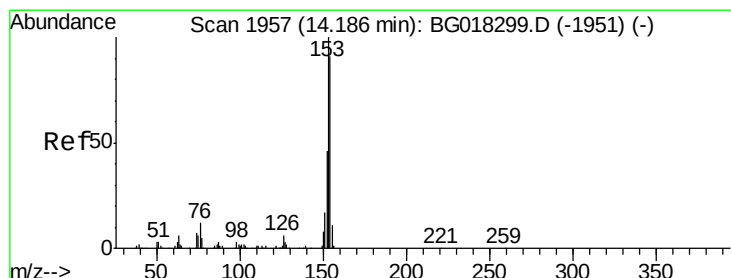
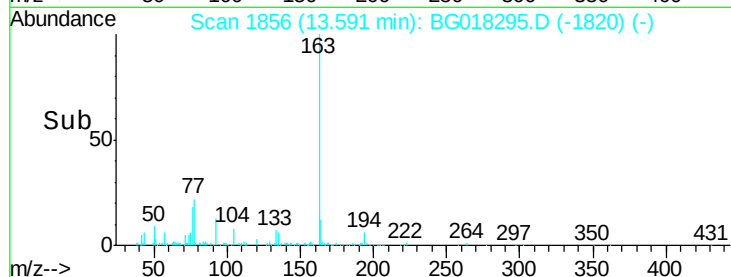
Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



Time-->



#50

Acenaphthene

Concen: 12.53 ng/ul

RT: 14.20 min Scan# 1959

Delta R.T. 0.02 min

Lab File: BG018295.D

Acq: 6 Aug 2015 5:36

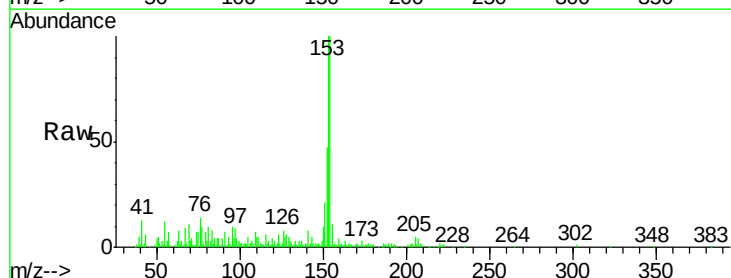
Tgt Ion:153 Resp: 82203

Ion Ratio Lower Upper

153 100

152 47.2 39.0 58.4

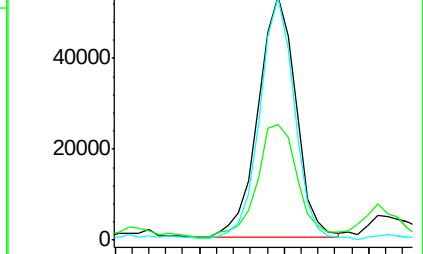
154 99.6 77.4 116.2



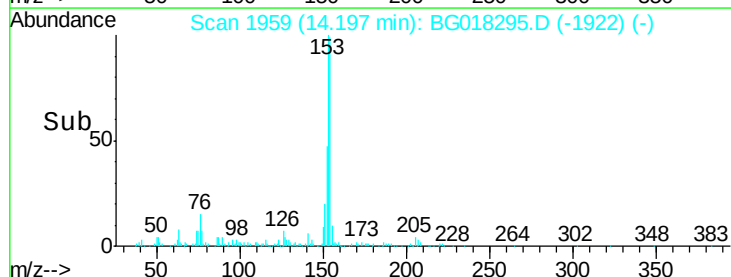
Abundance Ion 153.00 (152.70 to 153.70): E

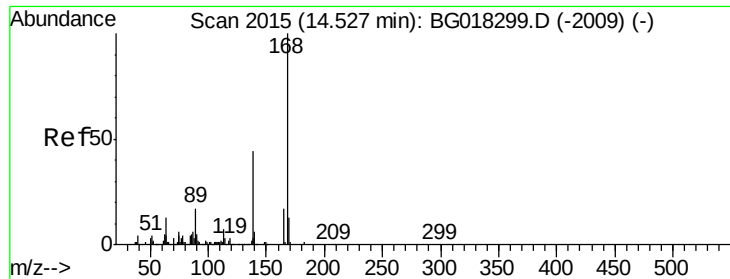
Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E



Time-->





#54

Dibenzenofuran

Concen: 7.76 ng/ul

RT: 14.54 min Scan# 2017

Delta R.T. 0.02 min

Lab File: BG018295.D

Acq: 6 Aug 2015 5:36

Instrument :

BNA_G

ClientSampleId :

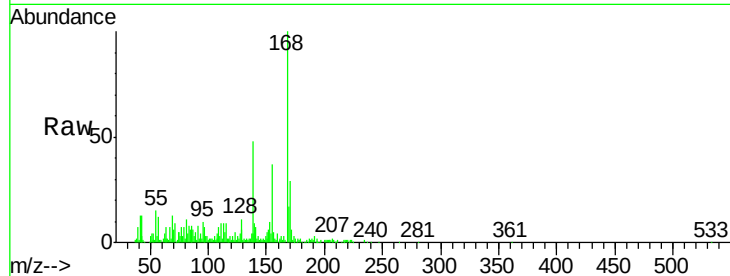
C01P8RE

Tot Ion:168 Resp: 74983

Ion Ratio Lower Upper

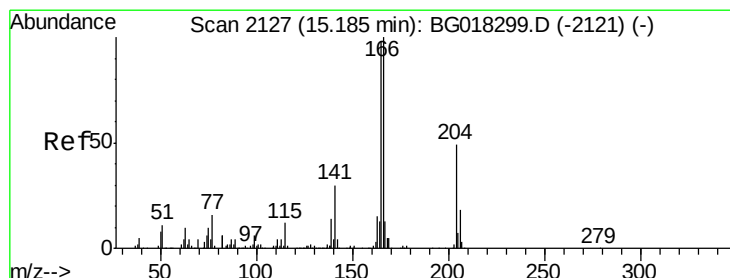
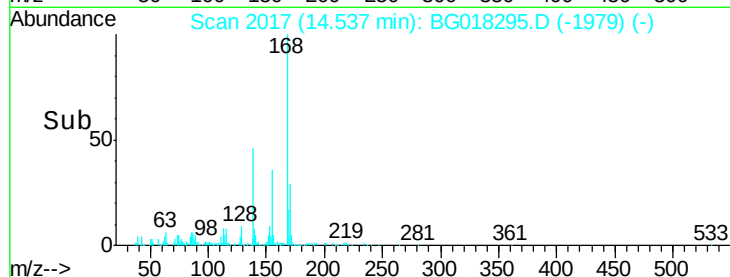
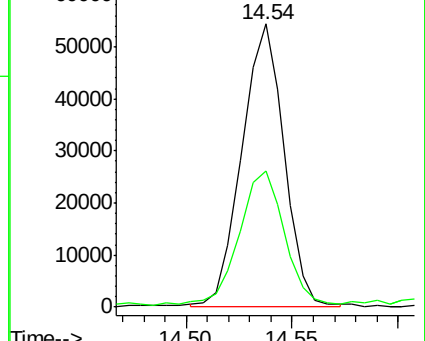
168 100

139 47.9 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: 10.40 ng/ul

RT: 15.19 min Scan# 2128

Delta R.T. 0.02 min

Lab File: BG018295.D

Acq: 6 Aug 2015 5:36

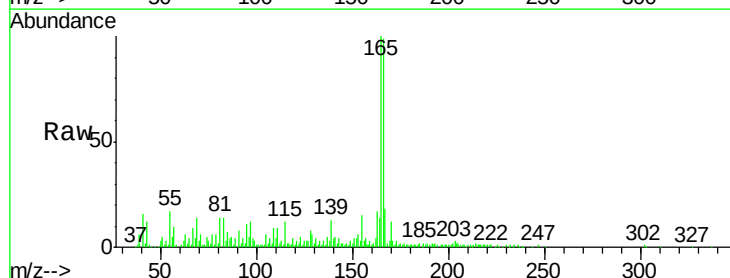
Tgt Ion:166 Resp: 88170

Ion Ratio Lower Upper

166 100

165 101.0 72.4 108.6

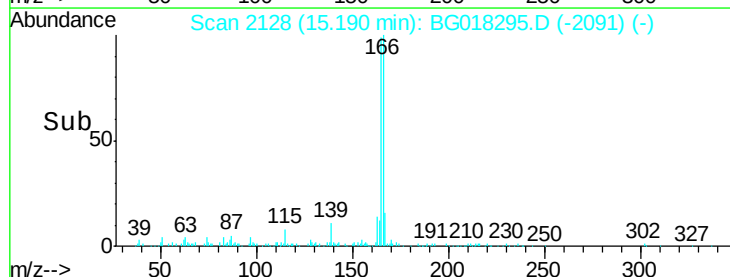
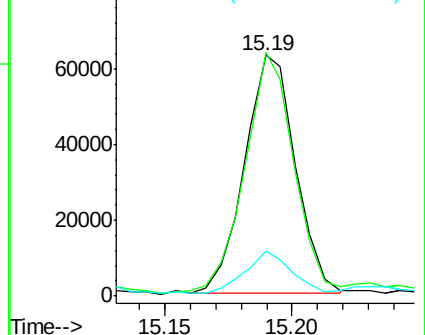
167 18.7 11.4 17.0#

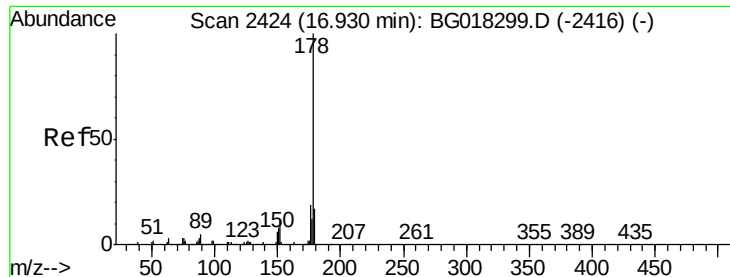


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E





#70

Phenanthrene

Concen: 51.22 ng/ul

RT: 16.95 min Scan# 2428

Delta R.T. 0.04 min

Lab File: BG018295.D

Acq: 6 Aug 2015 5:36

Instrument :

BNA_G

ClientSampleId :

C01P8RE

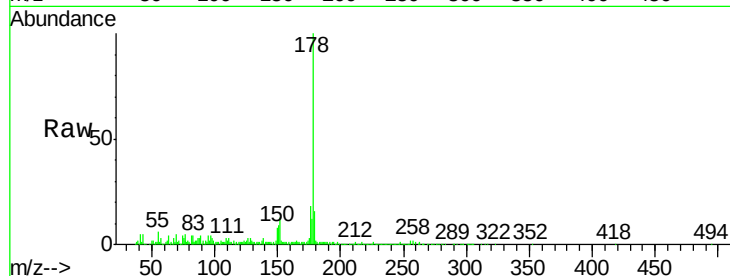
Tot Ion:178 Resp: 470010

Ion Ratio Lower Upper

178 100

179 15.7 12.2 18.4

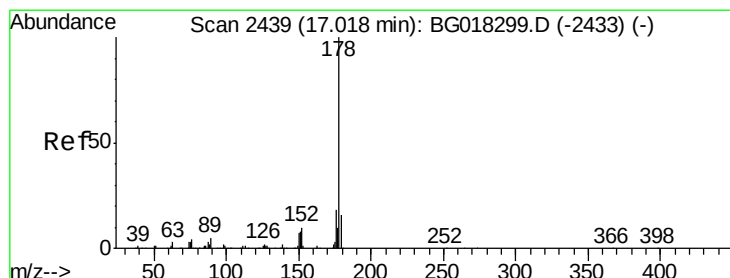
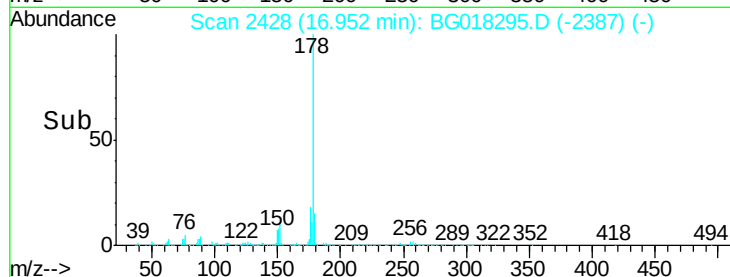
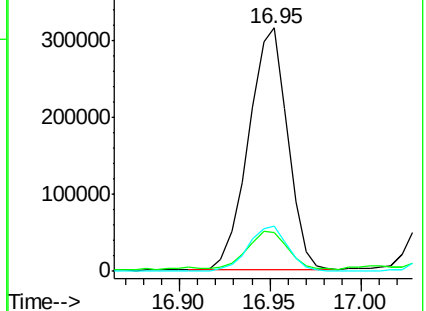
176 18.5 14.5 21.7



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: 13.64 ng/ul m

RT: 17.04 min Scan# 2443

Delta R.T. 0.03 min

Lab File: BG018295.D

Acq: 6 Aug 2015 5:36

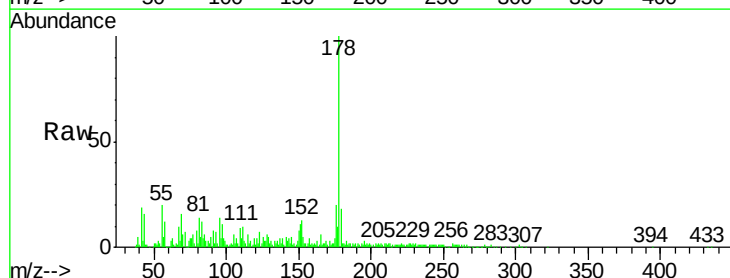
Tgt Ion:178 Resp: 124879

Ion Ratio Lower Upper

178 100

179 17.9 12.2 18.4

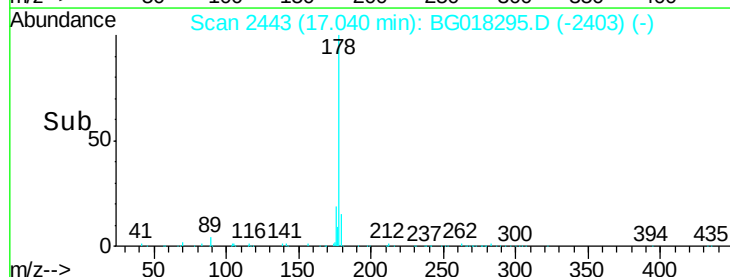
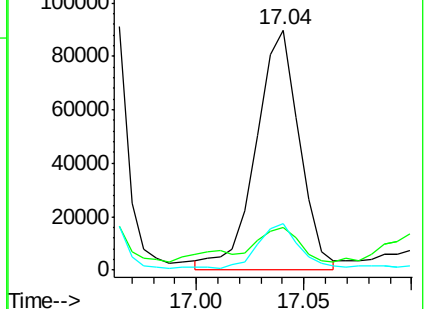
176 19.6 15.3 22.9

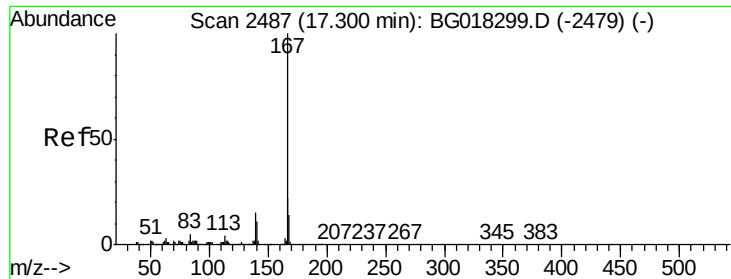


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#75

Carbazole

Concen: 5.69 ng/ul m

RT: 17.32 min Scan# 2490

Delta R.T. 0.03 min

Lab File: BG018295.D

Acq: 6 Aug 2015 5:36

Instrument :

BNA_G

ClientSampleId :

C01P8RE

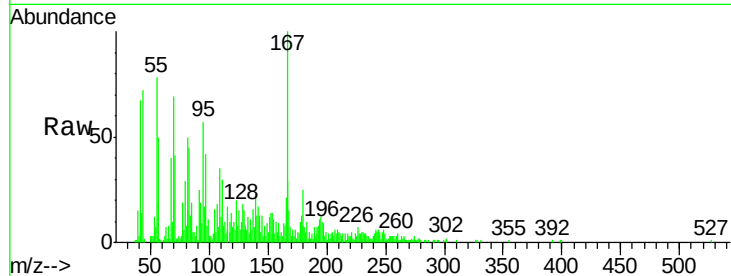
Tot Ion:167 Resp: 43987

Ion Ratio Lower Upper

167 100

166 29.3 17.8 26.8#

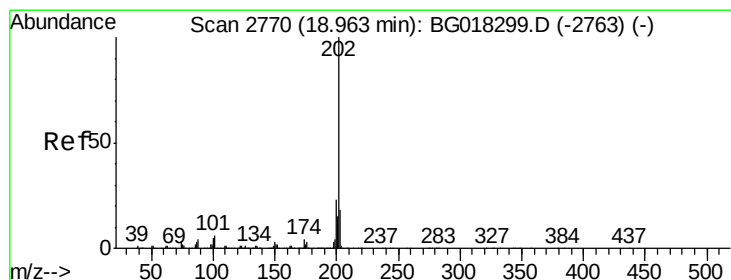
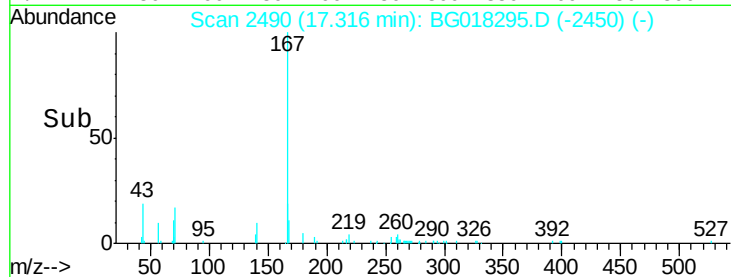
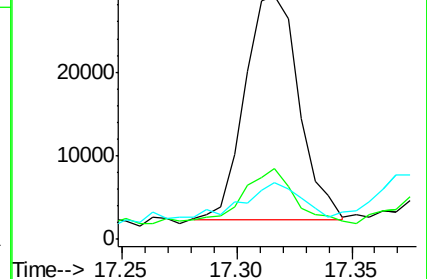
139 23.4 10.6 16.0#



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



#77

Fluoranthene

Concen: 57.71 ng/ul m

RT: 19.01 min Scan# 2778

Delta R.T. 0.06 min

Lab File: BG018295.D

Acq: 6 Aug 2015 5:36

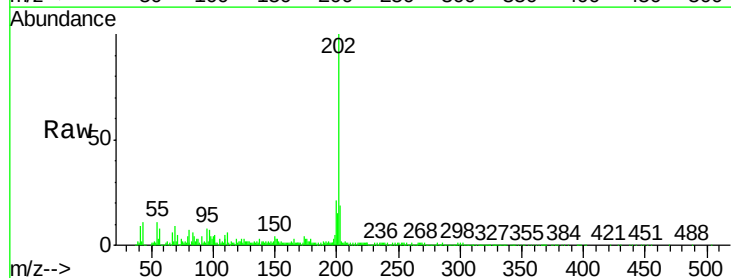
Tgt Ion:202 Resp: 587303

Ion Ratio Lower Upper

202 100

101 5.1 6.2 9.2#

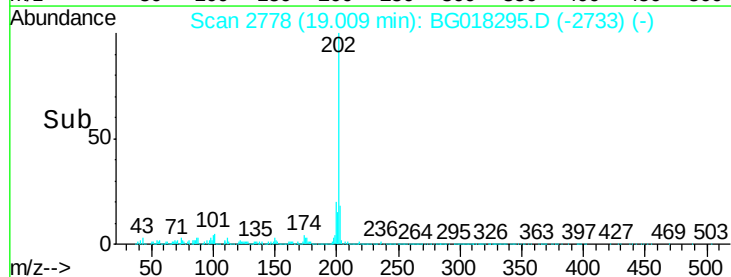
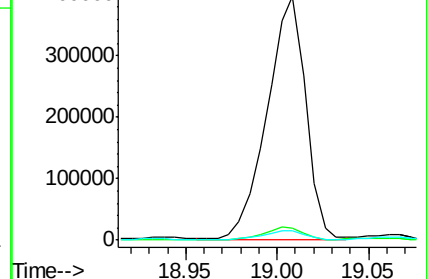
100 3.9 4.6 6.8#

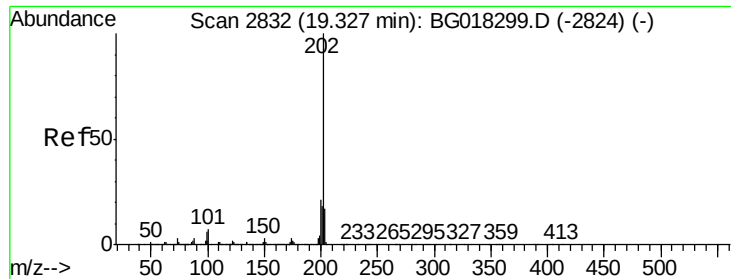


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): E





#80

Pvrene

Concen: 23.62 ng/ul m

RT: 19.37 min Scan# 2840

Delta R.T. 0.06 min

Lab File: BG018295.D

Acq: 6 Aug 2015 5:36

Instrument :

BNA_G

ClientSampleId :

C01P8RE

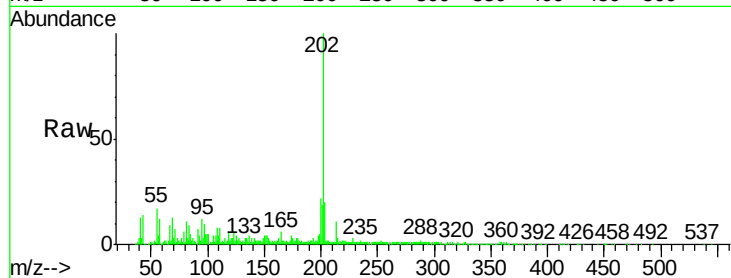
Tot Ion:202 Resp: 607355

Ion Ratio Lower Upper

202 100

101 5.5 6.2 9.2#

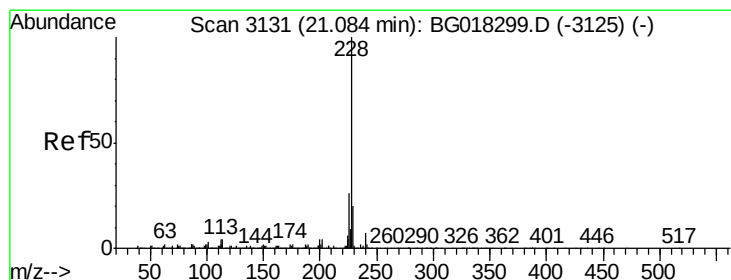
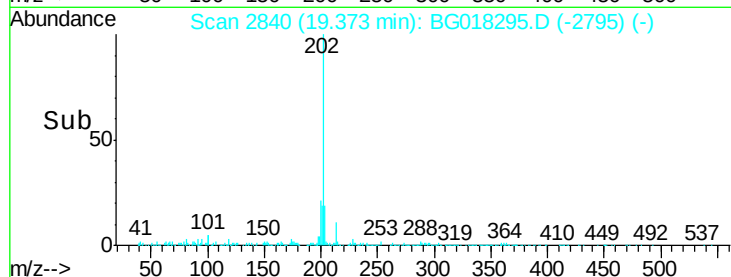
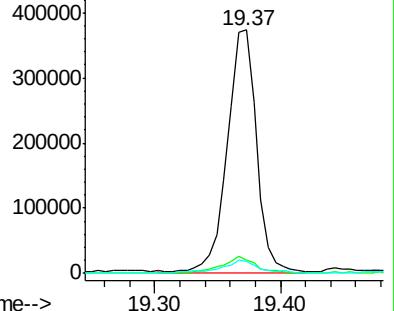
100 5.1 4.6 7.0



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



#83

Benzo(a)anthracene

Concen: 25.91 ng/ul m

RT: 21.12 min Scan# 3137

Delta R.T. 0.05 min

Lab File: BG018295.D

Acq: 6 Aug 2015 5:36

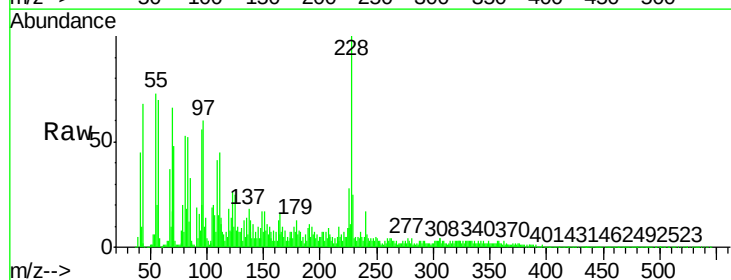
Tgt Ion:228 Resp: 505650

Ion Ratio Lower Upper

228 100

229 24.9 16.3 24.5#

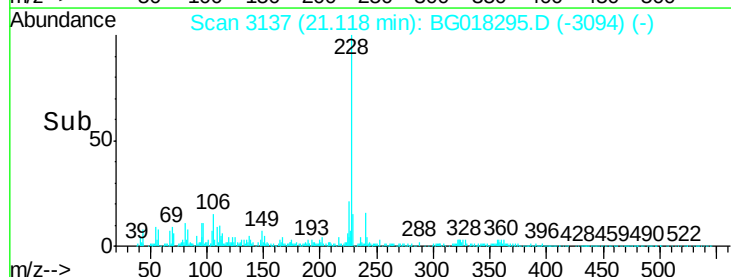
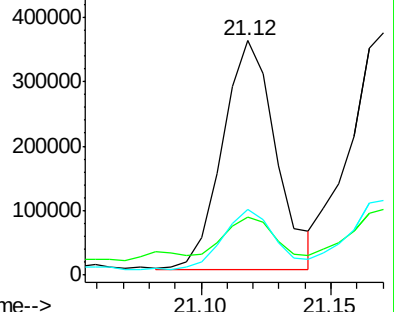
226 28.3 21.2 31.8

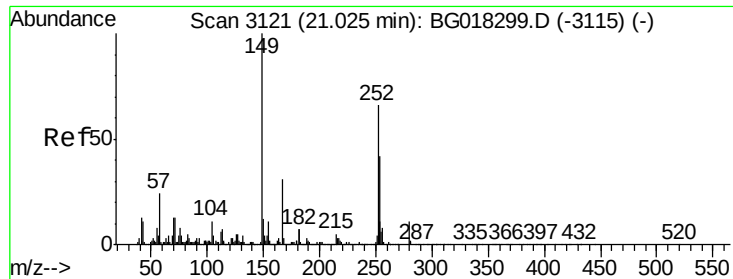


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 229.00 (228.70 to 229.70): E

Ion 226.00 (225.70 to 226.70): E





#84

Bis(2-ethylhexyl)phthalate

Concen: 260.28 ng/ul m

RT: 21.06 min Scan# 3127

Delta R.T. 0.05 min

Lab File: BG018295.D

Acq: 6 Aug 2015 5:36

Instrument :

BNA_G

ClientSampleId :

C01P8RE

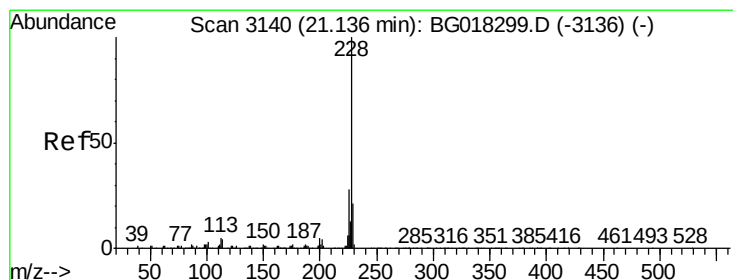
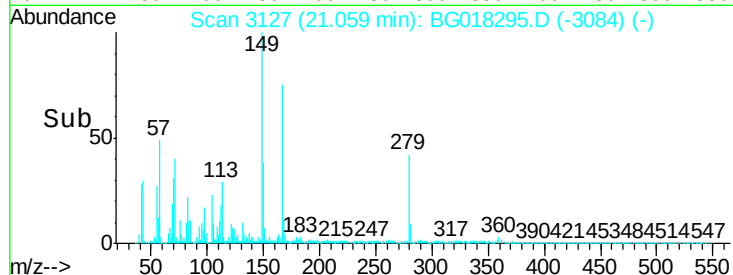
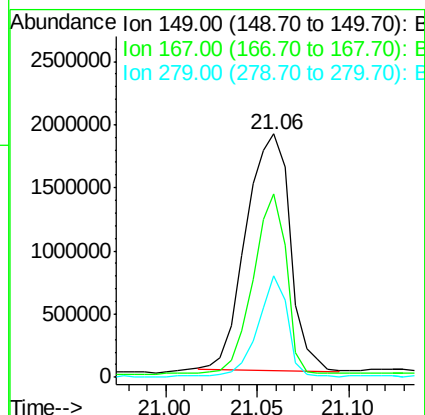
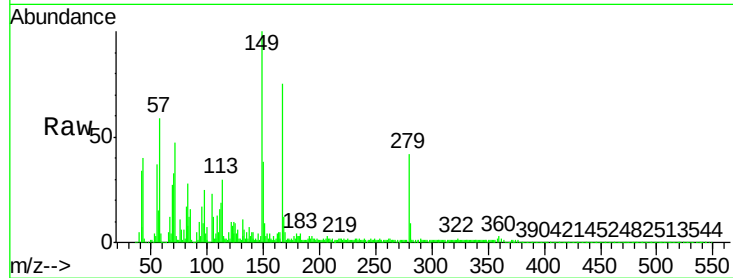
Tot Ion:149 Resp: 3123353

Ion Ratio Lower Upper

149 100

167 75.2 26.4 39.6#

279 41.8 8.6 12.8#



#85

Chrysene

Concen: 29.24 ng/ul m

RT: 21.12 min Scan# 3137

Delta R.T. -0.00 min

Lab File: BG018295.D

Acq: 6 Aug 2015 5:36

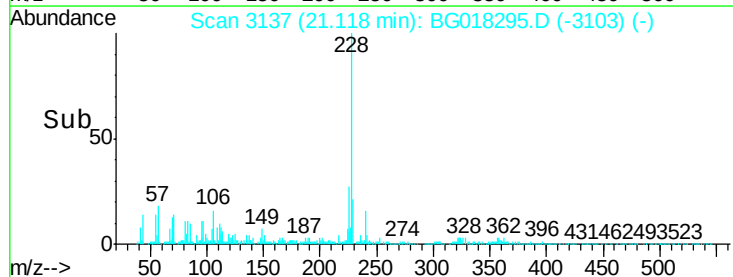
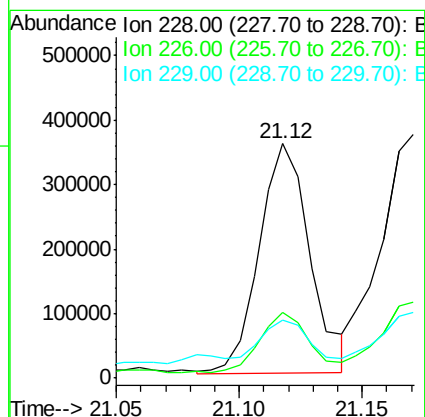
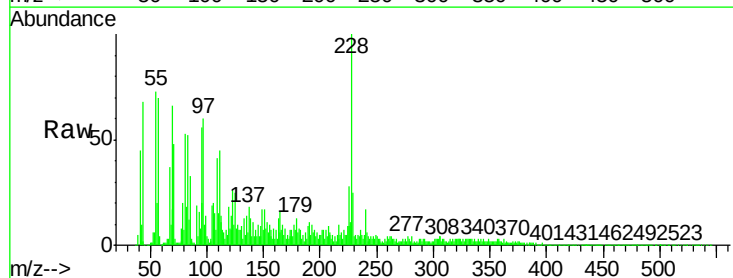
Tgt Ion:228 Resp: 512815

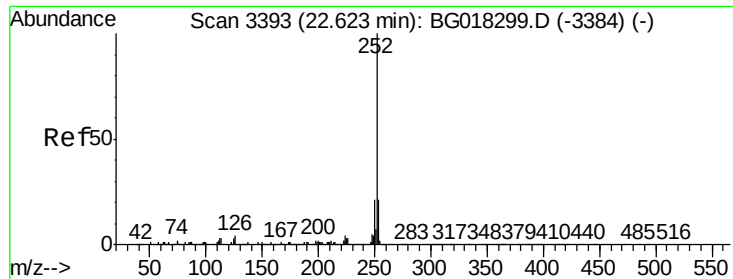
Ion Ratio Lower Upper

228 100

226 28.3 23.0 34.6

229 24.9 15.9 23.9#





#88

Benzo(b)fluoranthene

Concen: 47.61 ng/ul m

RT: 22.69 min Scan# 3405

Delta R.T. 0.10 min

Lab File: BG018295.D

Acq: 6 Aug 2015 5:36

Instrument :

BNA_G

ClientSampleId :

C01P8RE

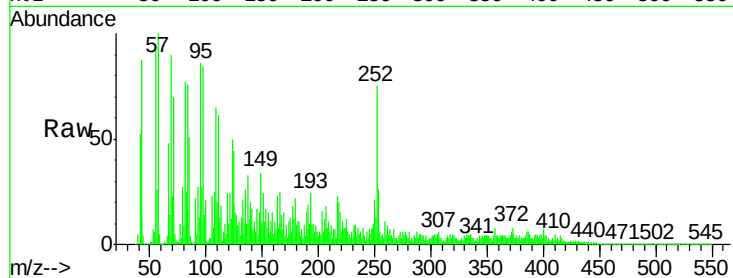
Tot Ion:252 Resp: 731421

Ion Ratio Lower Upper

252 100

253 34.2 18.1 27.1#

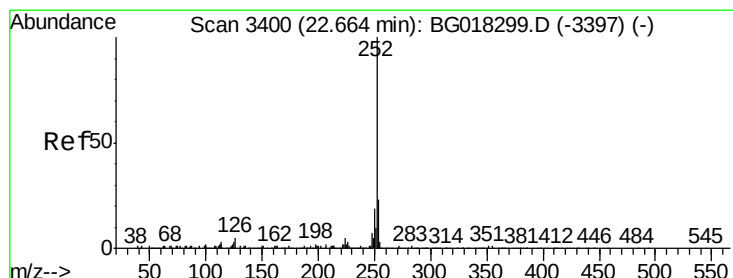
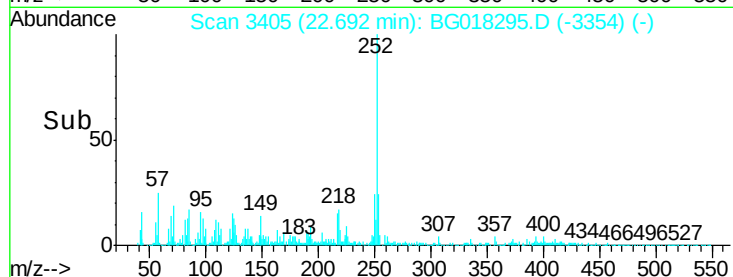
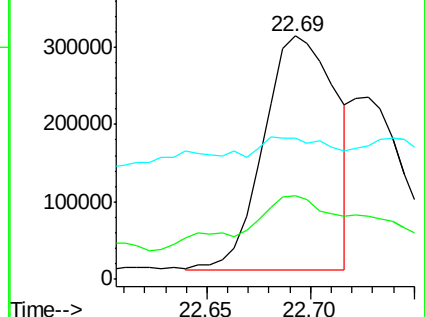
125 58.0 3.1 4.7#



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



#89

Benzo(k)fluoranthene

Concen: 30.55 ng/ul m

RT: 22.73 min Scan# 3411

Delta R.T. 0.09 min

Lab File: BG018295.D

Acq: 6 Aug 2015 5:36

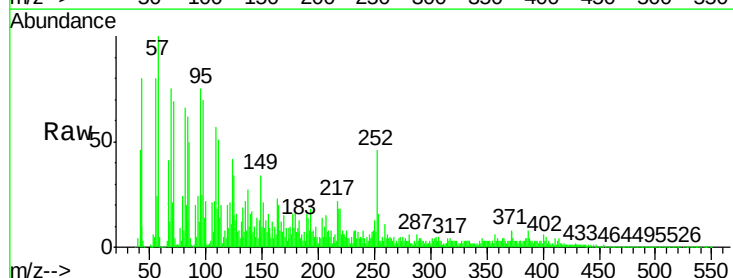
Tgt Ion:252 Resp: 450141

Ion Ratio Lower Upper

252 100

253 34.8 16.4 24.6#

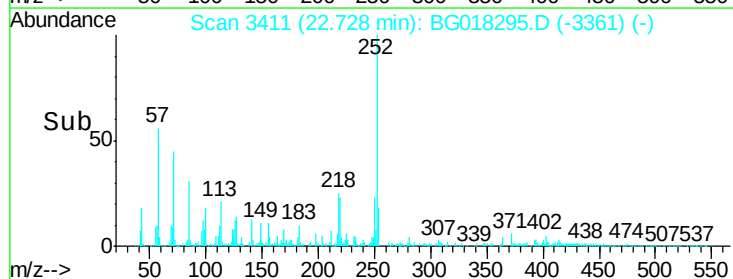
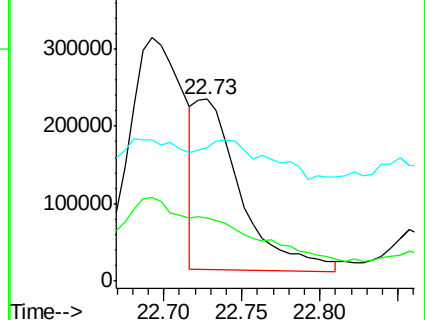
125 73.3 3.4 5.2#

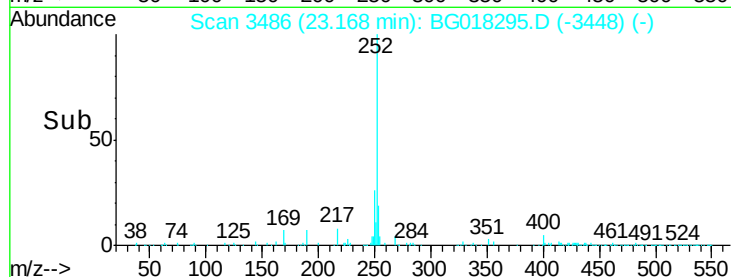
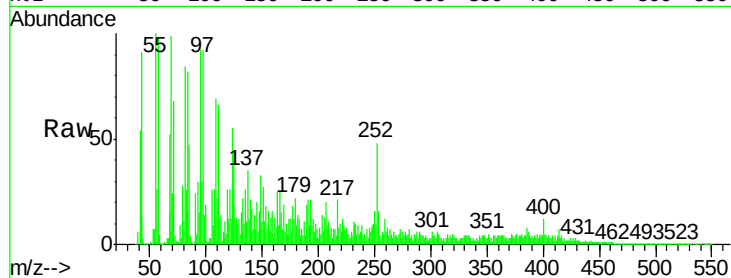
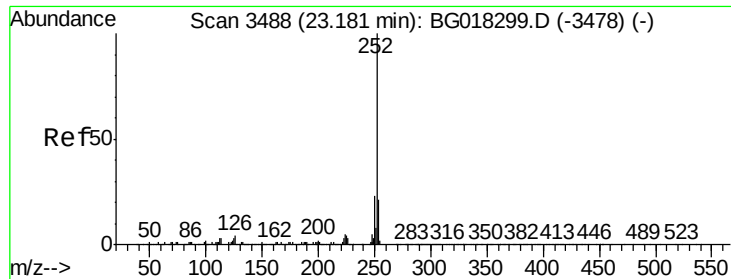


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#91

Benzo(a)pyrene

Concen: 25.18 ng/ul m

RT: 23.17 min Scan# 3486

Delta R.T. 0.02 min

Lab File: BG018295.D

Acq: 6 Aug 2015 5:36

Instrument :

BNA_G

ClientSampleId :

C01P8RE

Tot Ion:252 Resp: 337828

Ion Ratio Lower Upper

252 100

253 34.0 18.9 28.3#

125 92.0 3.2 4.8#

