

Data Path : Z:\HPCHEM1\BNA G\DATA\BG080515\
 Data File : BG018293.D
 Acq On : 6 Aug 2015 4:26
 Operator : UM/TP
 Sample : G3109-04RE
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 C01P5RE

Quant Time: Aug 07 13:12:44 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	72357	20.00	ng/ul	0.01
18) Naphthalene-d8	10.23	136	313499	20.00	ng/ul	0.01
36) Acenaphthene-d10	14.13	164	186804	20.00	ng/ul	0.01
62) Phenanthrene-d10	16.89	188	314558	20.00	ng/ul	0.02
78) Chrysene-d12	21.12	240	286251	20.00	ng/ul	0.03
86) Perylene-d12	23.31	264	271662	20.00	ng/ul	0.07

System Monitoring Compounds

3) 1,4-Dioxane-d8	2.91	96	1166	1.39	ng/uL	0.00
5) Phenol-d5	6.65	99	67591	11.88	ng/ul	0.02
7) Bis-(2-Chloroethyl)ether-d	6.78	67	34001	12.36	ng/ul	0.00
9) 2-Chlorophenol-d4	6.98	132	58828	12.42	ng/ul	0.01
13) 4-Methylphenol-d8	8.18	113	39174	8.15	ng/ul	0.01
19) Nitrobenzene-d5	8.60	128	32145	13.24	ng/ul	0.01
22) 2-Nitrophenol-d4	9.32	143	37068	13.20	ng/ul	0.02
26) 2,4-Dichlorophenol-d3	9.87	165	60157	11.65	ng/ul	0.02
29) 4-Chloroaniline-d4	10.38	131	7668	1.24	ng/ul	0.02
44) Dimethylphthalate-d6	13.55	166	187639	12.99	ng/ul	0.02
47) Acenaphthylene-d8	13.82	160	212829	12.99	ng/ul	0.01
52) 4-Nitrophenol-d4	14.40	143	21614	9.07	ng/ul	0.03
58) Fluorene-d10	15.13	176	151458	11.67	ng/ul	0.01
63) 4,6-Dinitro-2-methylphenol	15.29	200	3548	1.63	ng/ul	0.03
71) Anthracene-d10	16.99	188	177245	12.81	ng/ul	0.02
79) Pyrene-d10	19.31	212	124924	7.80	ng/ul	0.03
90) Benzo(a)pyrene-d12	23.17	264	178038	12.60	ng/ul	0.06

Target Compounds

					Ovalue	
28) Naphthalene	10.27	128	24699	1.68	ng/ul#	94
34) 2-Methylnaphthalene	11.91	142	15923	1.35	ng/ul	99
35) 1-Methylnaphthalene	12.13	142	12353	1.08	ng/ul	95
45) Dimethylphthalate	13.59	163	71978	4.99	ng/ul#	96
50) Acenaphthene	14.19	153	56646	5.19	ng/ul	96
54) Dibenzofuran	14.53	168	39587	2.46	ng/ul	95
59) Fluorene	15.18	166	67352	4.77	ng/ul	94
70) Phenanthrene	16.94	178	1505232m	94.82	ng/ul	
72) Anthracene	17.02	178	362723	22.90	ng/ul	99
75) Carbazole	17.31	167	69776	5.22	ng/ul	95
76) Di-n-butylphthalate	17.87	149	306315	16.34	ng/ul	99
77) Fluoranthene	18.99	202	2304174	130.86	ng/ul#	97
80) Pyrene	19.35	202	1865008	93.70	ng/ul	99
83) Benzo(a)anthracene	21.11	228	1190597	78.80	ng/ul	94
84) Bis(2-ethylhexyl)phthalate	21.03	149	133541	14.37	ng/ul	96
85) Chrysene	21.16	228	1082006m	79.70	ng/ul	
88) Benzo(b)fluoranthene	22.66	252	1608959	96.57	ng/ul#	95
89) Benzo(k)fluoranthene	22.70	252	549830m	34.41	ng/ul	
91) Benzo(a)pyrene	23.22	252	1013311	69.66	ng/ul#	95
92) Indeno(1,2,3-cd)pyrene	25.53	276	404924	22.50	ng/ul	99
93) Dibenzo(a,h)anthracene	25.53	278	98951	6.27	ng/ul#	91
94) Benzo(a,h,i)perylene	26.21	276	320642m	21.95	ng/ul	

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QLast Update : Thu Aug 06 03:42:27 2015
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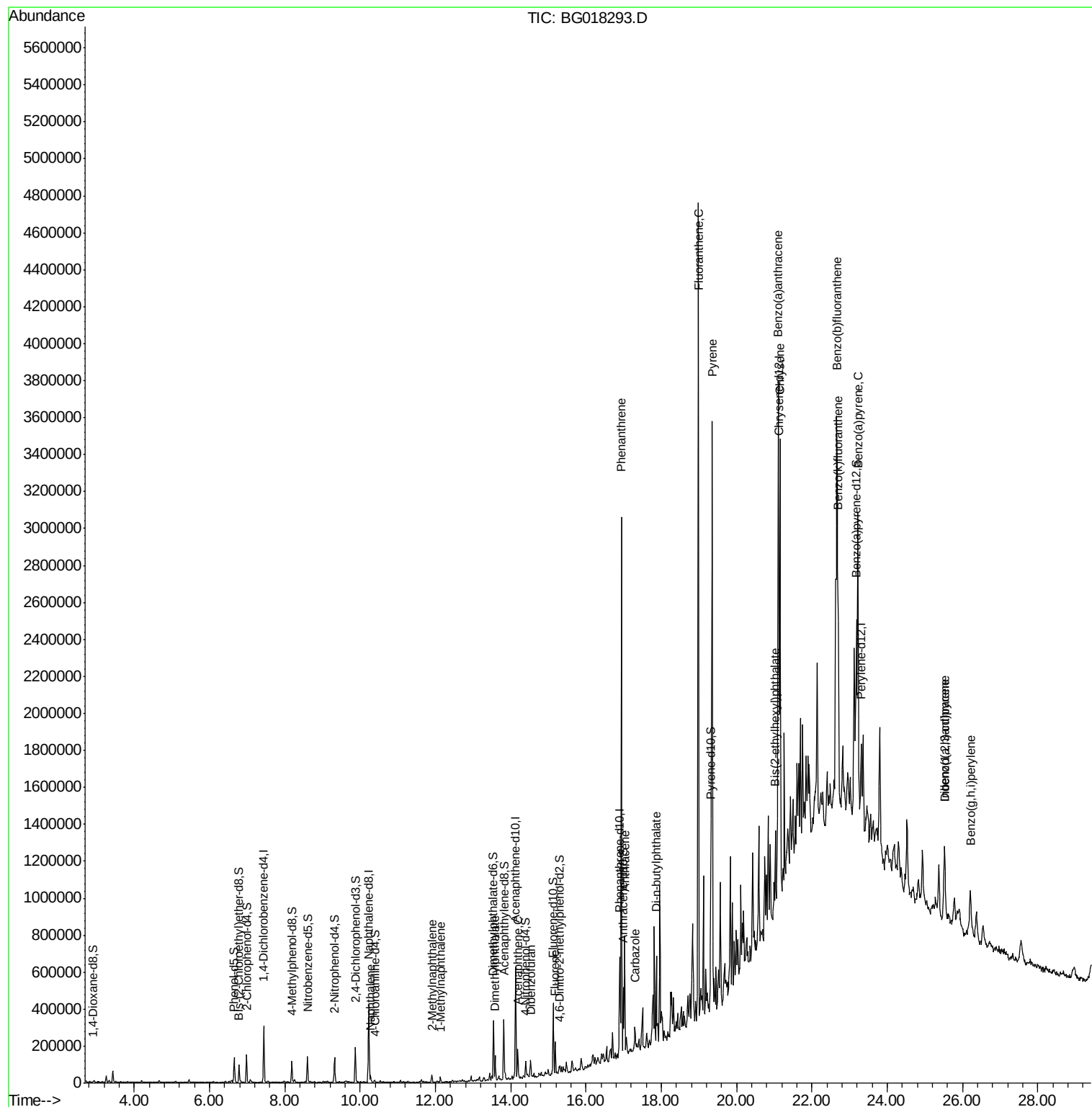
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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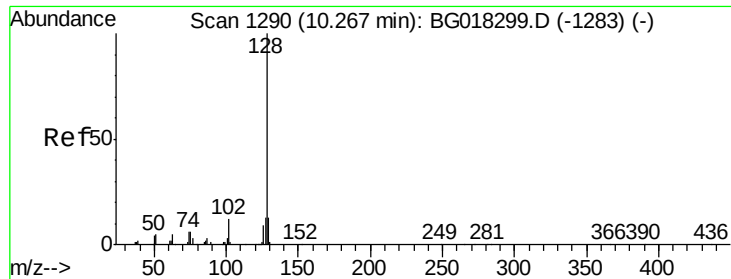
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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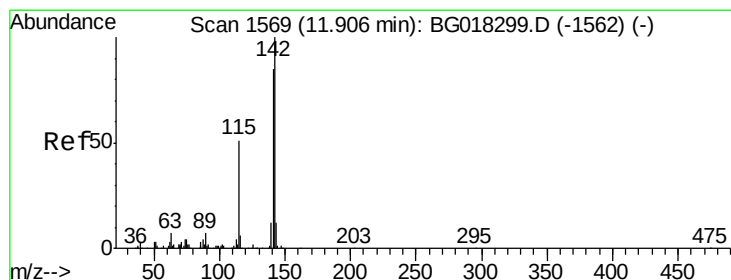
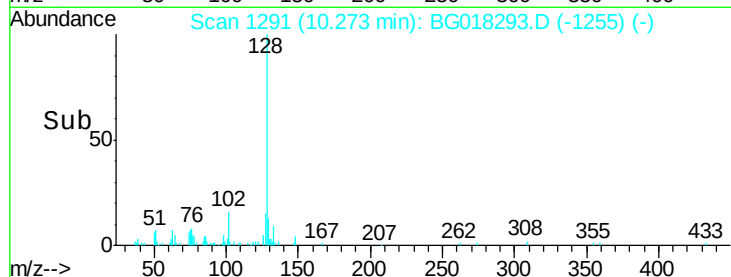
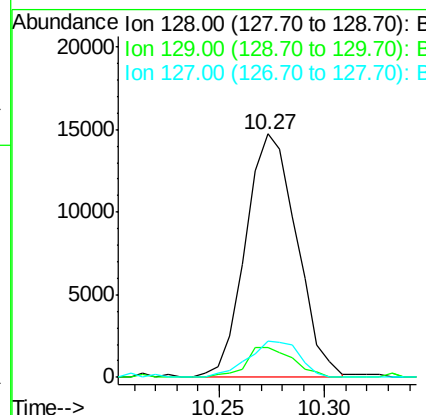
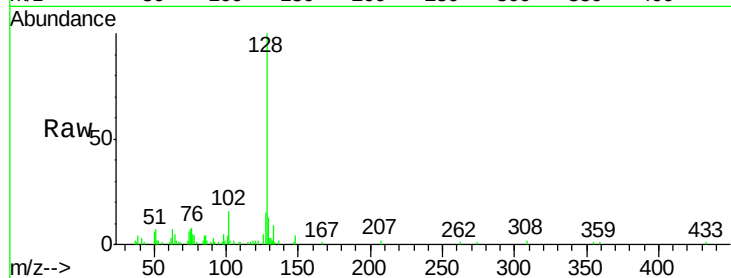




#28
Naphthalene
Concen: 1.68 ng/ul
RT: 10.27 min Scan# 1291
Delta R.T. 0.01 min
Lab File: BG018293.D
Acq: 6 Aug 2015 4:26

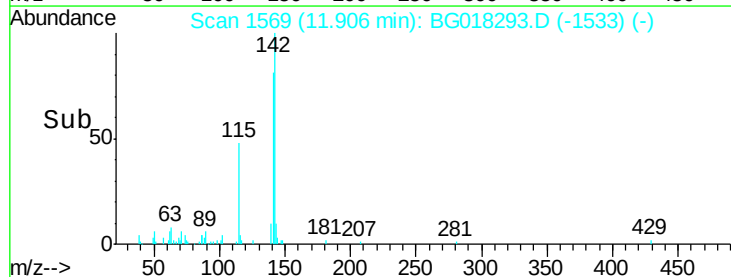
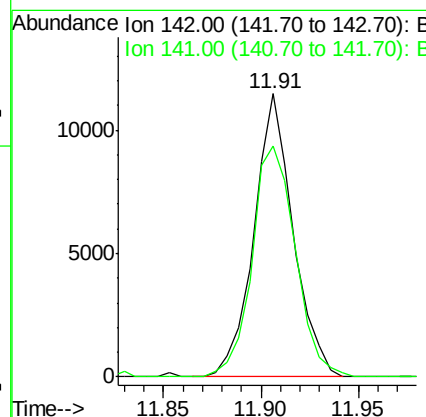
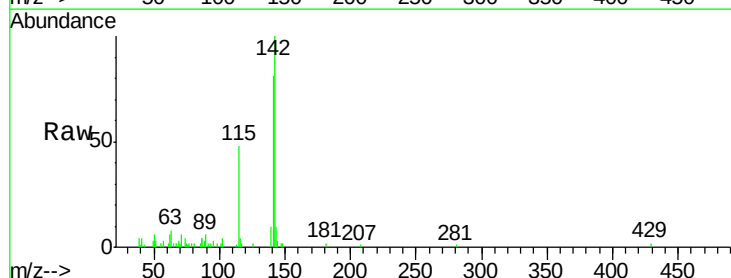
Instrument :
BNA_G
ClientSampleId :
C01P5RE

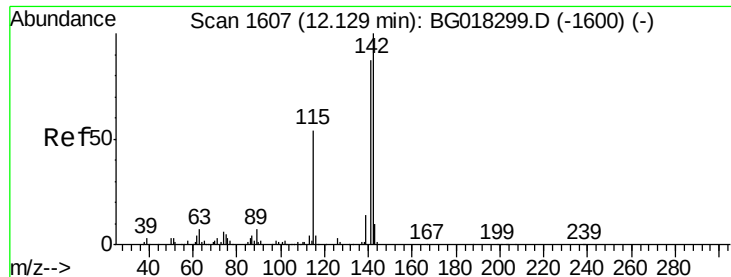
Tot Ion	Ratio	Lower	Upper
128	100		
129	12.5	7.8	11.6#
127	14.7	10.2	15.4



#34
2-Methylnaphthalene
Concen: 1.35 ng/ul
RT: 11.91 min Scan# 1569
Delta R.T. 0.01 min
Lab File: BG018293.D
Acq: 6 Aug 2015 4:26

Tgt Ion	Ratio	Lower	Upper
142	100		
141	81.4	65.9	98.9

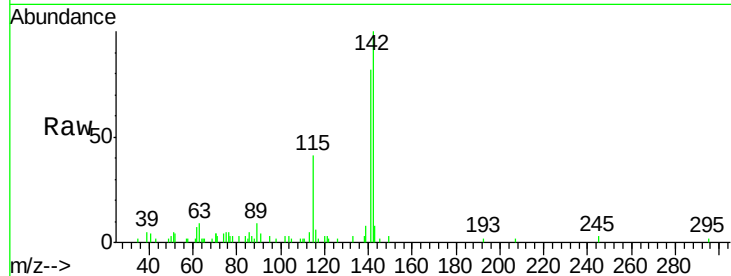




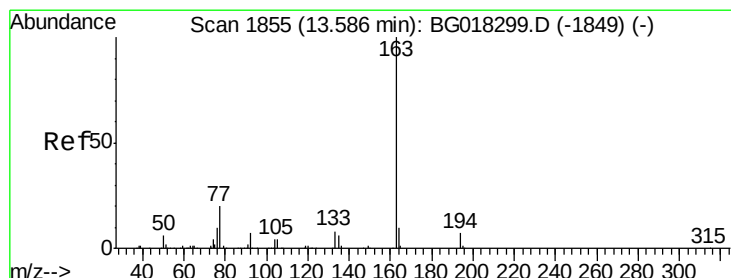
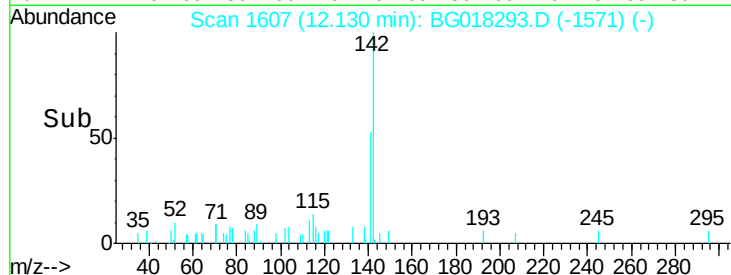
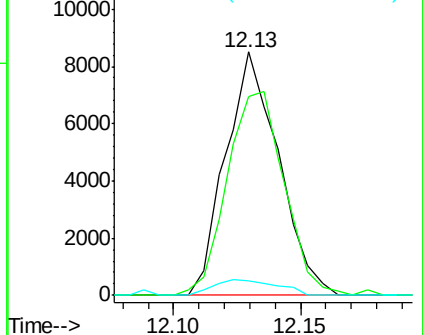
#35
 1-Methylnaphthalene
 Concen: 1.08 ng/ul
 RT: 12.13 min Scan# 1607
 Delta R.T. 0.01 min
 Lab File: BG018293.D
 Acq: 6 Aug 2015 4:26

Instrument :
 BNA_G
 ClientSampled :
 C01P5RE

Tot Ion	Ratio	Lower	Upper
142	100		
141	81.7	69.0	103.4
116	5.9	4.2	6.4

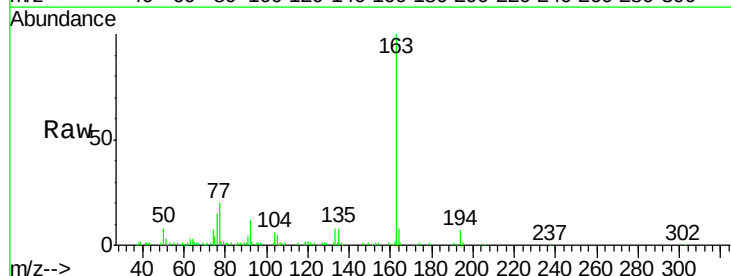


Abundance Ion 142.00 (141.70 to 142.70): E
 Ion 141.00 (140.70 to 141.70): E
 Ion 116.00 (115.70 to 116.70): E

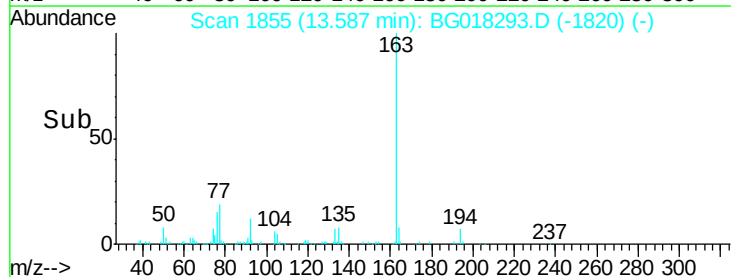
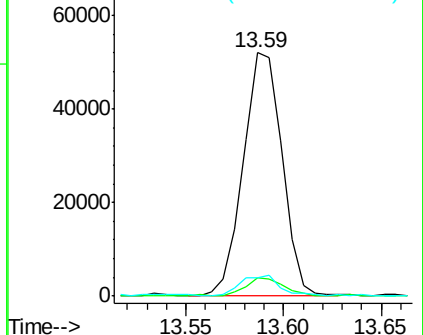


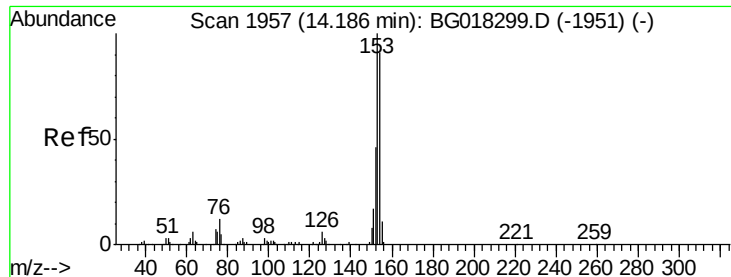
#45
 Dimethylphthalate
 Concen: 4.99 ng/ul
 RT: 13.59 min Scan# 1855
 Delta R.T. 0.01 min
 Lab File: BG018293.D
 Acq: 6 Aug 2015 4:26

Tgt Ion	Ratio	Lower	Upper
163	100		
194	7.4	5.4	8.2
164	7.7	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: 5.19 ng/ul

RT: 14.19 min Scan# 1958

Delta R.T. 0.01 min

Lab File: BG018293.D

Acq: 6 Aug 2015 4:26

Instrument :

BNA_G

ClientSampleId :

C01P5RE

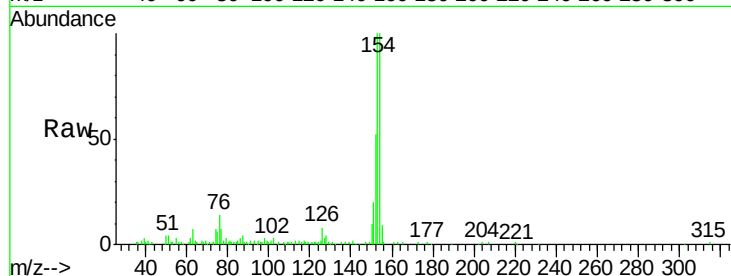
Tot Ion:153 Resp: 56646

Ion Ratio Lower Upper

153 100

152 52.5 39.0 58.4

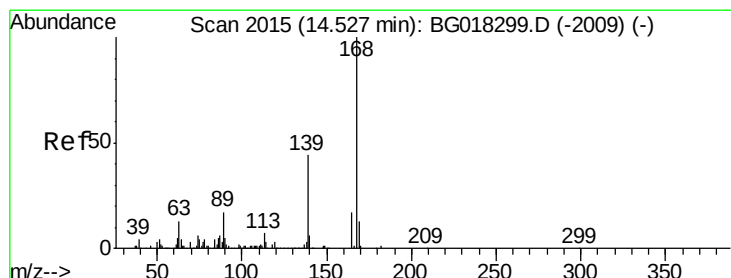
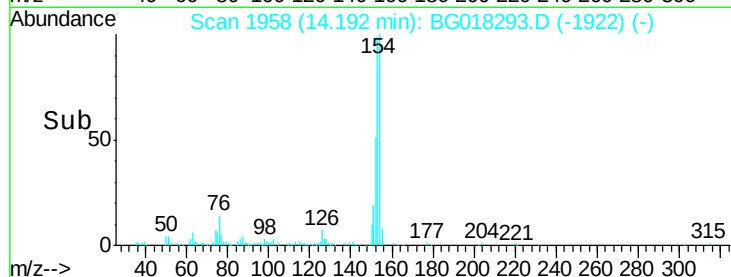
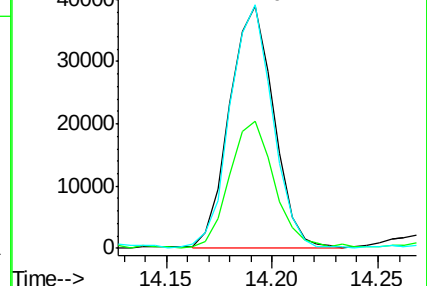
154 100.3 77.4 116.2



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: 2.46 ng/ul

RT: 14.53 min Scan# 2016

Delta R.T. 0.02 min

Lab File: BG018293.D

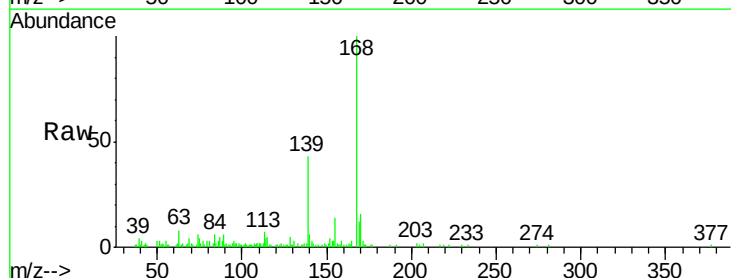
Acq: 6 Aug 2015 4:26

Tgt Ion:168 Resp: 39587

Ion Ratio Lower Upper

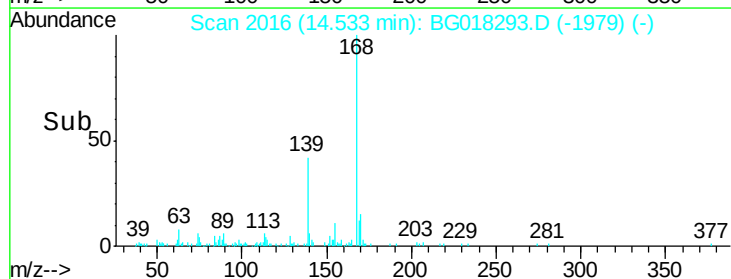
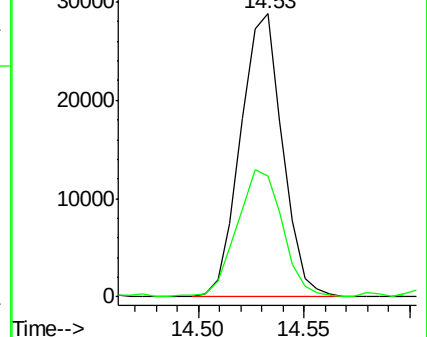
168 100

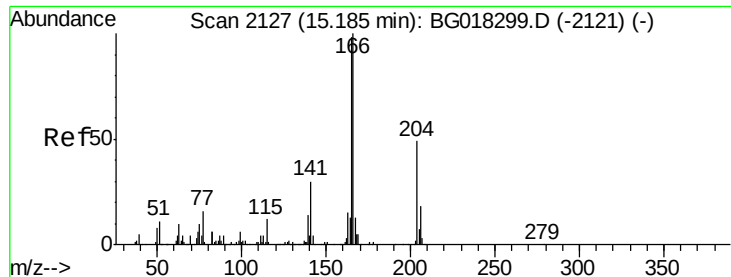
139 42.9 37.1 55.7



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E





#59

Fluorene

Concen: 4.77 ng/ul

RT: 15.18 min Scan# 2127

Delta R.T. 0.01 min

Lab File: BG018293.D

Acq: 6 Aug 2015 4:26

Instrument :

BNA_G

ClientSampleId :

C01P5RE

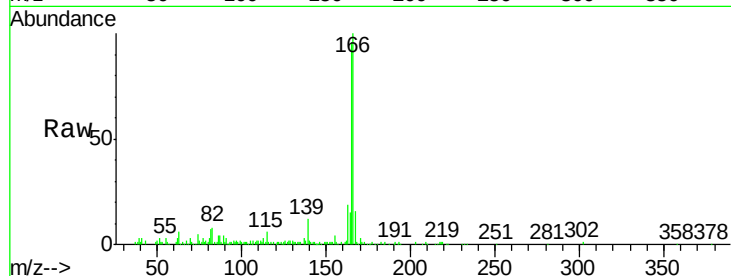
Tot Ion:166 Resp: 67352

Ion Ratio Lower Upper

166 100

165 96.2 72.4 108.6

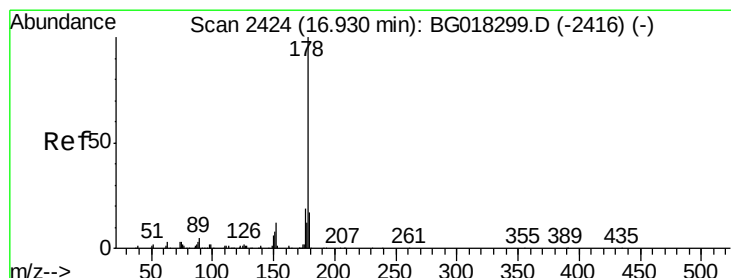
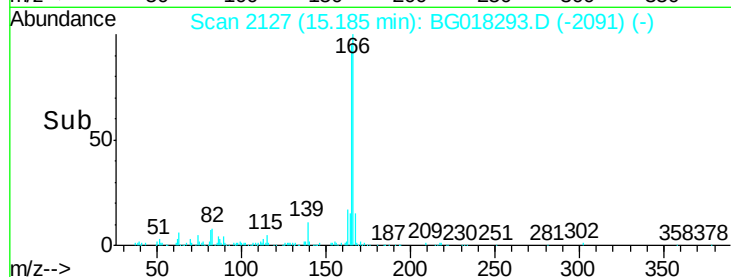
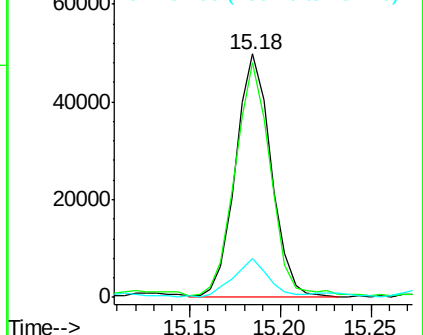
167 16.1 11.4 17.0



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: 94.82 ng/ul m

RT: 16.94 min Scan# 2426

Delta R.T. 0.03 min

Lab File: BG018293.D

Acq: 6 Aug 2015 4:26

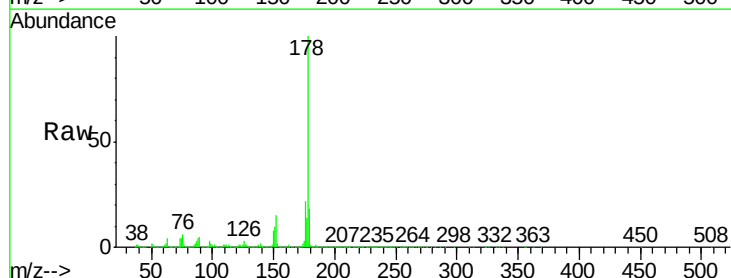
Tgt Ion:178 Resp: 1505232

Ion Ratio Lower Upper

178 100

179 18.0 12.2 18.4

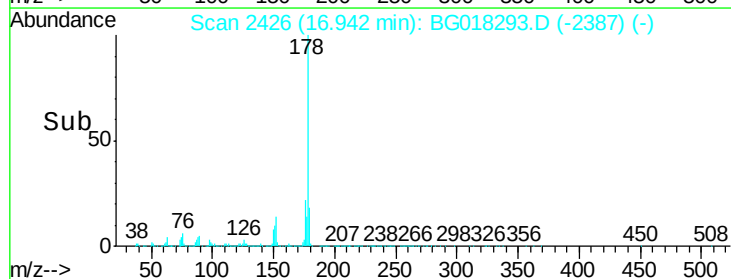
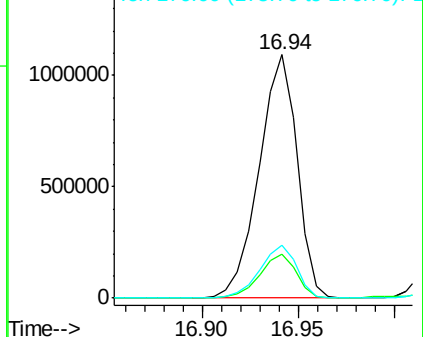
176 22.0 14.5 21.7#

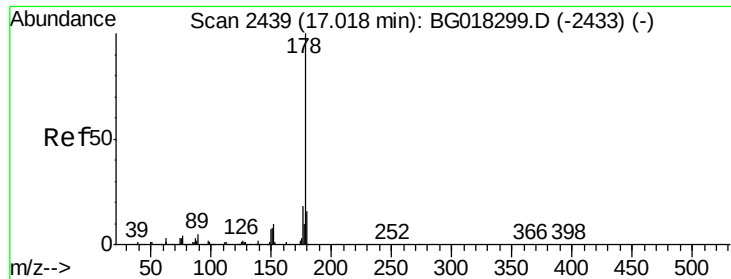


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E

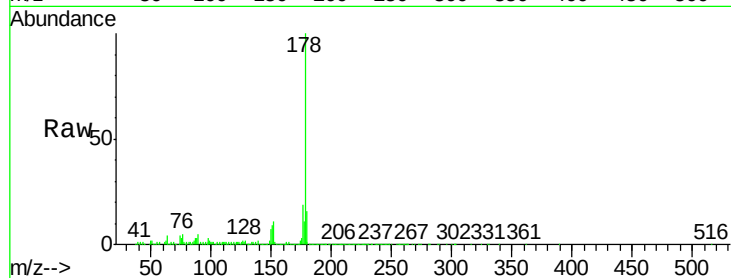




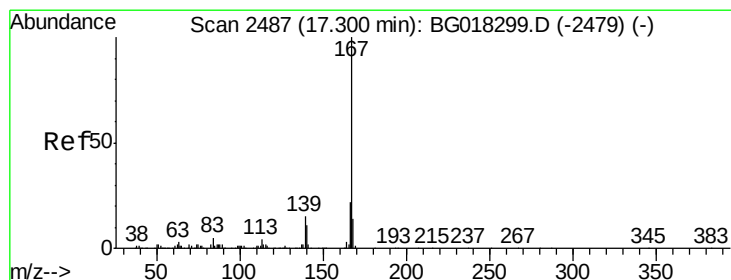
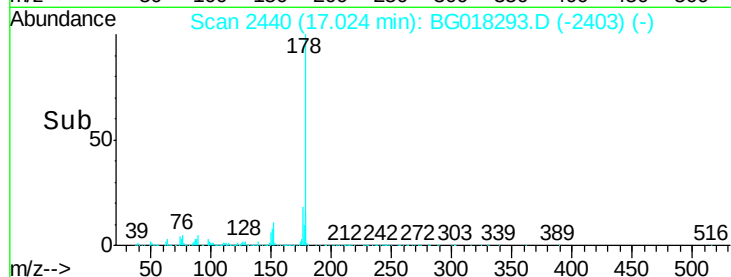
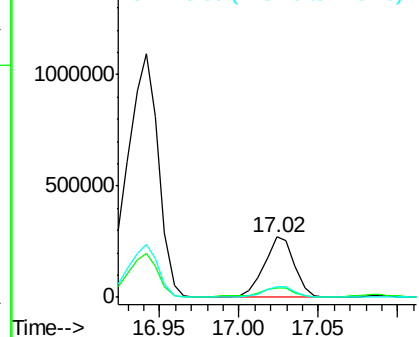
#72
 Anthracene
 Concen: 22.90 ng/ul
 RT: 17.02 min Scan# 2440
 Delta R.T. 0.02 min
 Lab File: BG018293.D
 Acq: 6 Aug 2015 4:26

Instrument :
 BNA_G
 ClientSampled :
 C01P5RE

Tot Ion:178 Resp: 362723
 Ion Ratio Lower Upper
 178 100
 179 15.9 12.2 18.4
 176 18.6 15.3 22.9

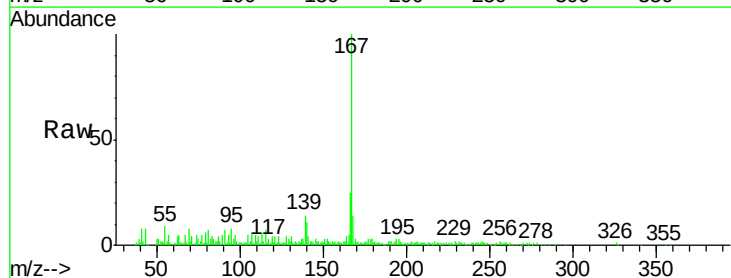


Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 179.00 (178.70 to 179.70): E
 Ion 176.00 (175.70 to 176.70): E

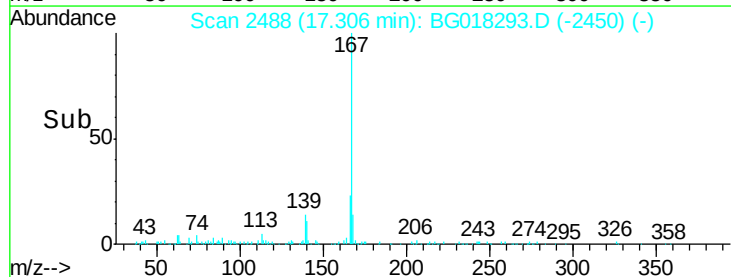
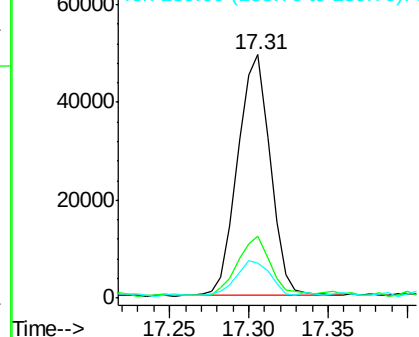


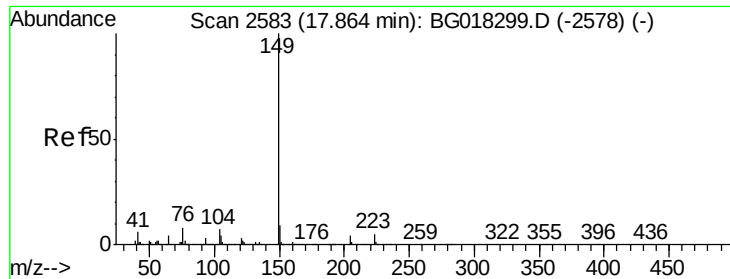
#75
 Carbazole
 Concen: 5.22 ng/ul
 RT: 17.31 min Scan# 2488
 Delta R.T. 0.02 min
 Lab File: BG018293.D
 Acq: 6 Aug 2015 4:26

Tgt Ion:167 Resp: 69776
 Ion Ratio Lower Upper
 167 100
 166 25.3 17.8 26.8
 139 14.4 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





#76

Di-n-butylphthalate

Concen: 16.34 ng/ul

RT: 17.87 min Scan# 2584

Delta R.T. 0.02 min

Lab File: BG018293.D

Acq: 6 Aug 2015 4:26

Instrument :

BNA_G

ClientSampleId :

C01P5RE

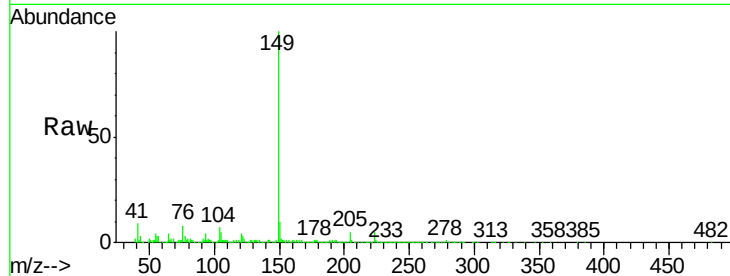
Tot Ion:149 Resp: 306315

Ion Ratio Lower Upper

149 100

150 9.9 7.4 11.2

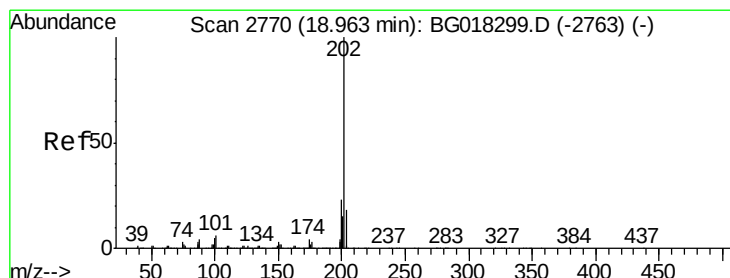
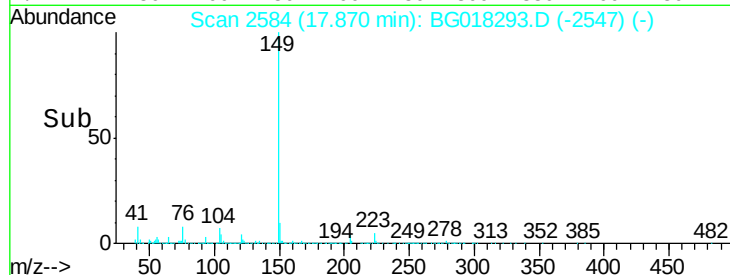
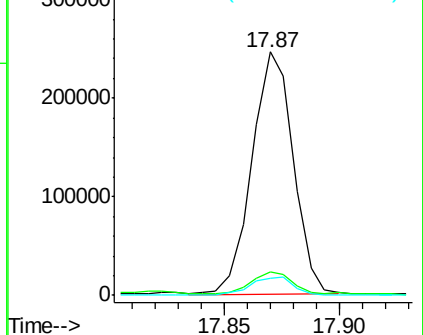
104 7.1 5.5 8.3



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: 130.86 ng/ul

RT: 18.99 min Scan# 2774

Delta R.T. 0.04 min

Lab File: BG018293.D

Acq: 6 Aug 2015 4:26

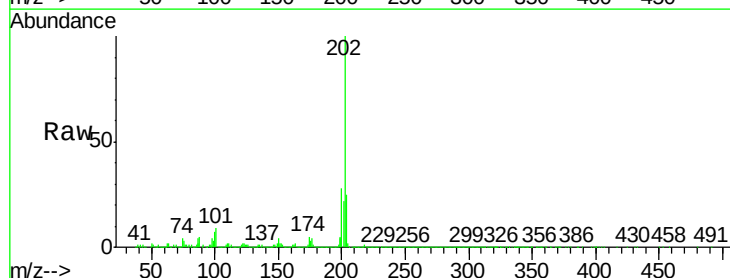
Tgt Ion:202 Resp: 2304174

Ion Ratio Lower Upper

202 100

101 8.7 6.2 9.2

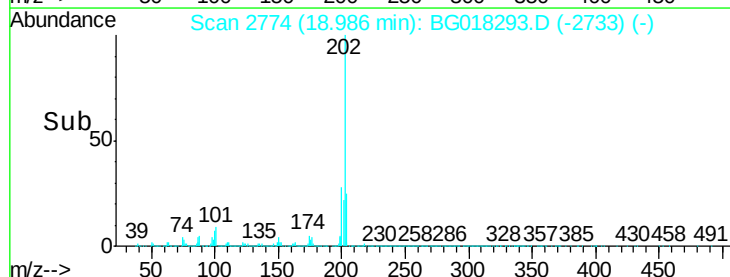
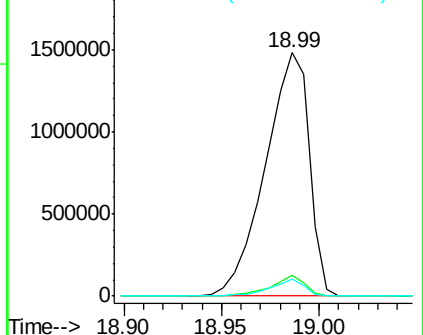
100 7.0 4.6 6.8#

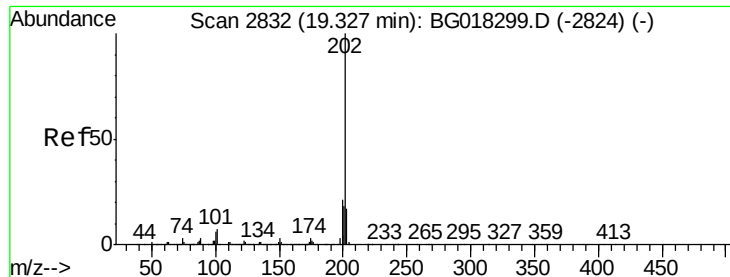


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B



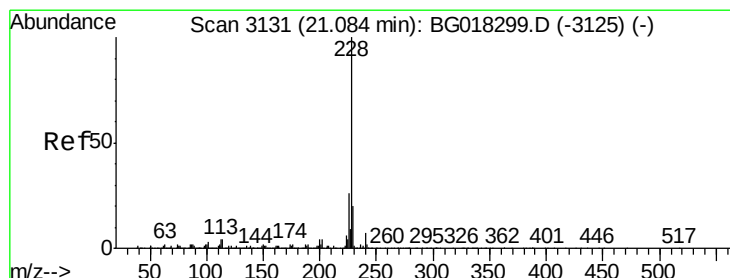
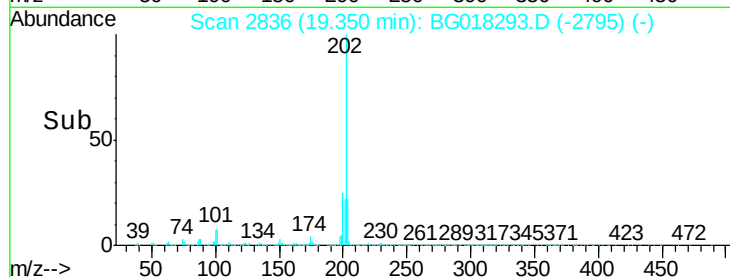
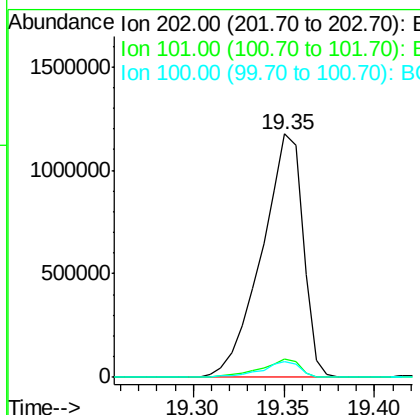
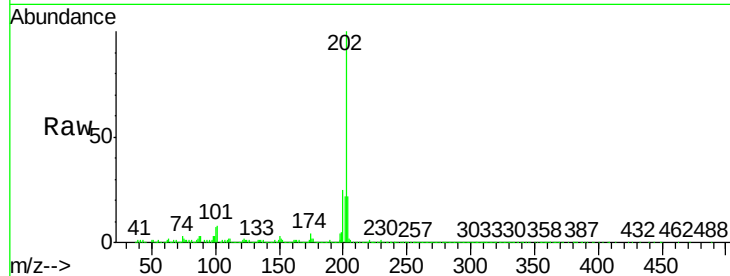


#80
 Pvrene
 Concen: 93.70 ng/ul
 RT: 19.35 min Scan# 2836
 Delta R.T. 0.04 min
 Lab File: BG018293.D
 Acq: 6 Aug 2015 4:26

Instrument :
 BNA_G
 ClientSampleId :
 C01P5RE

Tot Ion:202 Resp: 1865008

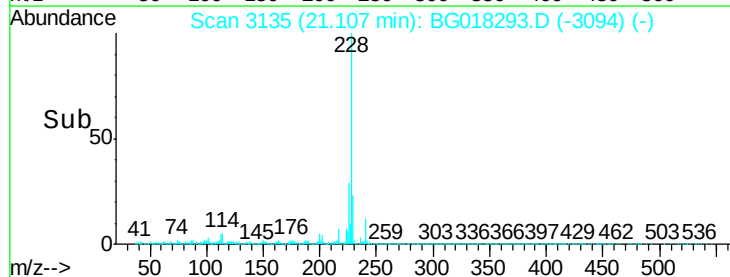
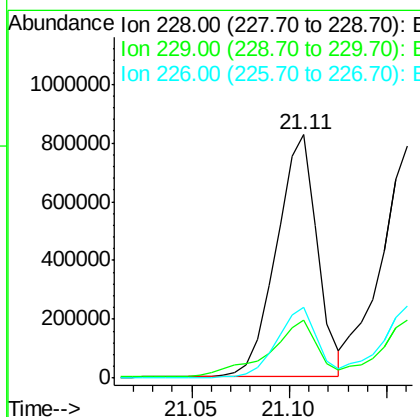
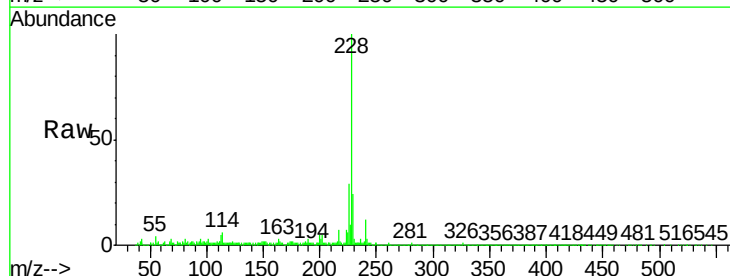
Ion	Ratio	Lower	Upper
202	100		
101	7.6	6.2	9.2
100	6.7	4.6	7.0

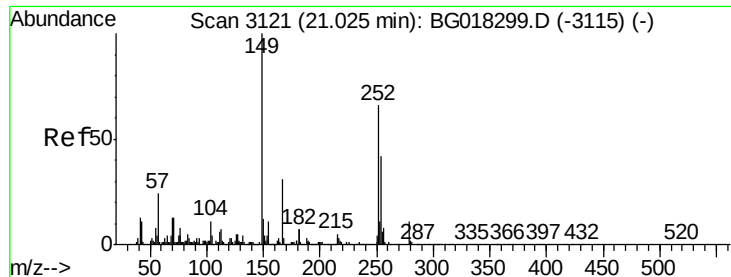


#83
 Benzo(a)anthracene
 Concen: 78.80 ng/ul
 RT: 21.11 min Scan# 3135
 Delta R.T. 0.04 min
 Lab File: BG018293.D
 Acq: 6 Aug 2015 4:26

Tgt Ion:228 Resp: 1190597

Ion	Ratio	Lower	Upper
228	100		
229	23.8	16.3	24.5
226	28.9	21.2	31.8





#84

Bis(2-ethylhexyl)phthalate

Concen: 14.37 ng/ul

RT: 21.03 min Scan# 3122

Delta R.T. 0.02 min

Lab File: BG018293.D

Acq: 6 Aug 2015 4:26

Instrument :

BNA_G

ClientSampleId :

C01P5RE

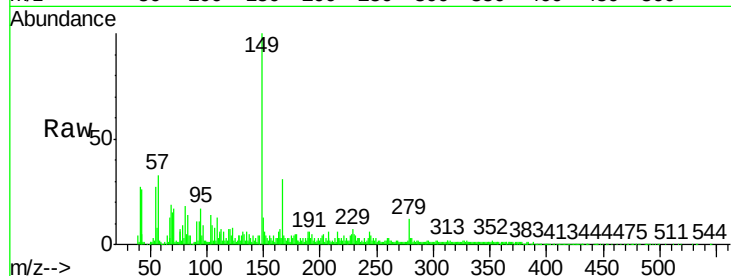
Tot Ion:149 Resp: 133541

Ion Ratio Lower Upper

149 100

167 30.9 26.4 39.6

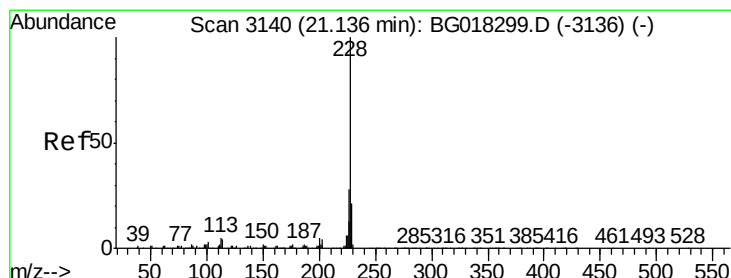
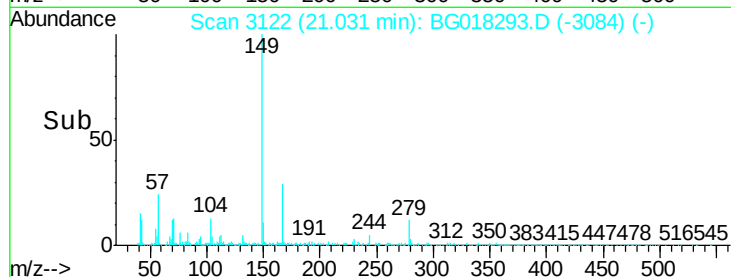
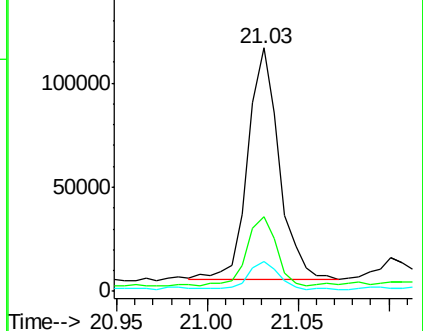
279 12.4 8.6 12.8



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: 79.70 ng/ul m

RT: 21.16 min Scan# 3144

Delta R.T. 0.04 min

Lab File: BG018293.D

Acq: 6 Aug 2015 4:26

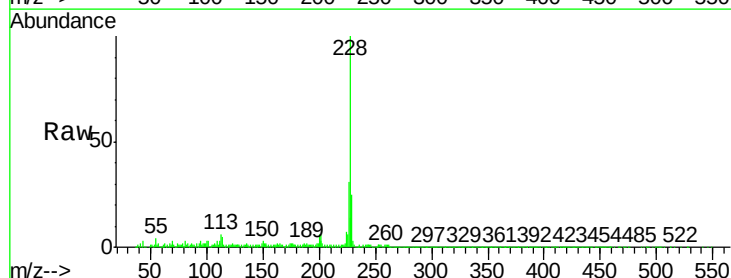
Tgt Ion:228 Resp: 1082006

Ion Ratio Lower Upper

228 100

226 31.4 23.0 34.6

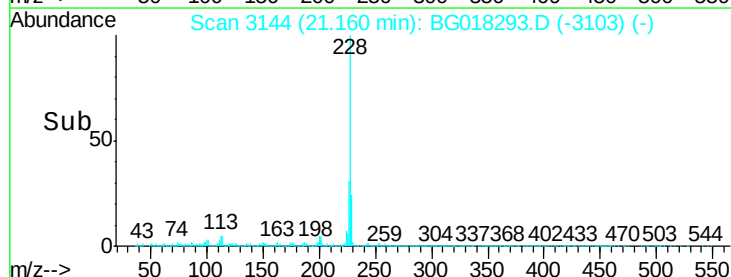
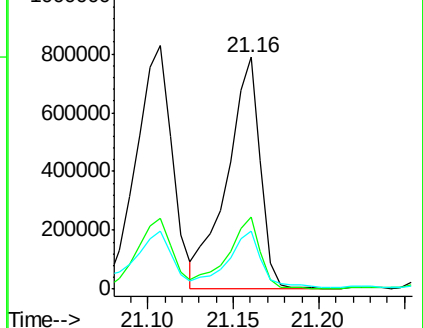
229 25.1 15.9 23.9#

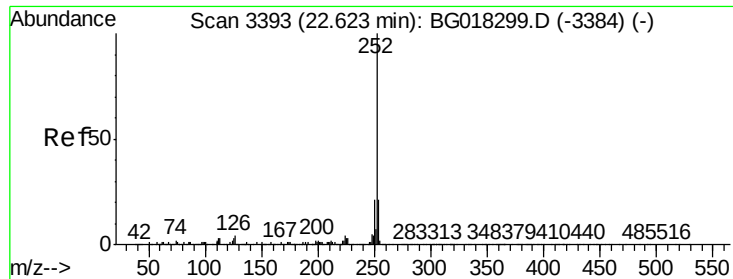


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#88

Benzo(b)fluoranthene

Concen: 96.57 ng/ul

RT: 22.66 min Scan# 3400

Delta R.T. 0.07 min

Lab File: BG018293.D

Acq: 6 Aug 2015 4:26

Instrument :

BNA_G

ClientSampleId :

C01P5RE

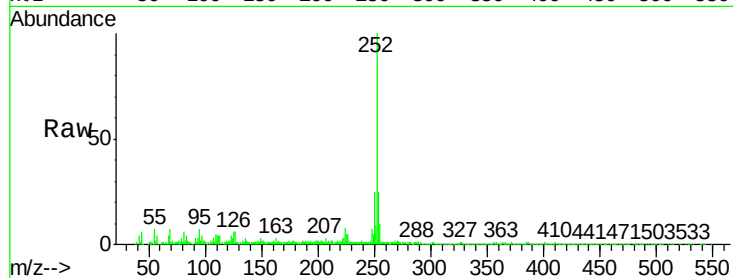
Tot Ion:252 Resp: 1608959

Ion Ratio Lower Upper

252 100

253 24.6 18.1 27.1

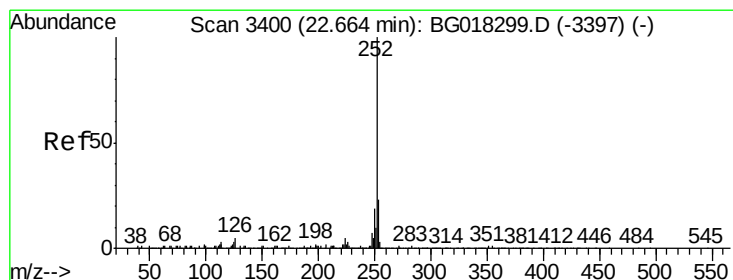
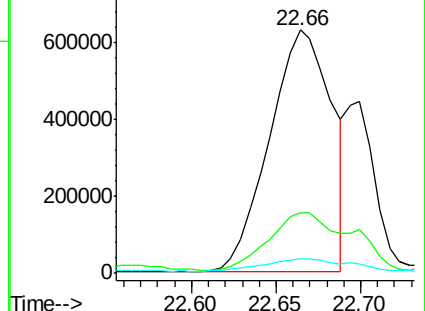
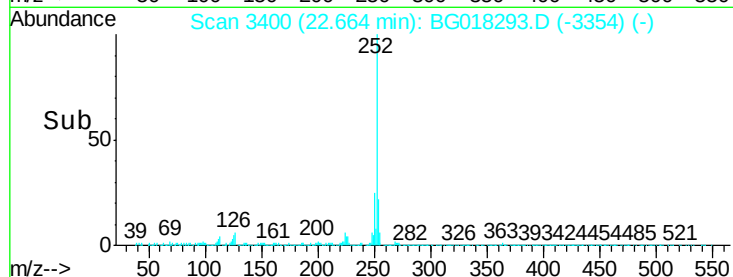
125 6.2 3.1 4.7#



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: 34.41 ng/ul m

RT: 22.70 min Scan# 3406

Delta R.T. 0.06 min

Lab File: BG018293.D

Acq: 6 Aug 2015 4:26

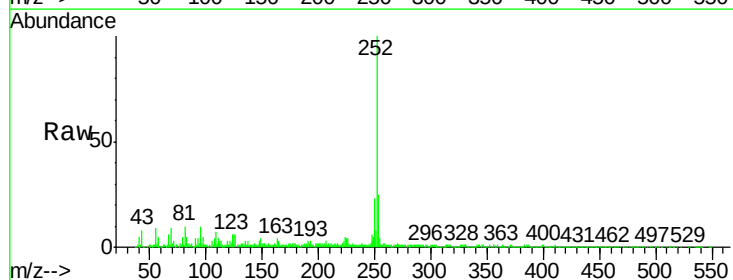
Tgt Ion:252 Resp: 549830

Ion Ratio Lower Upper

252 100

253 25.3 16.4 24.6#

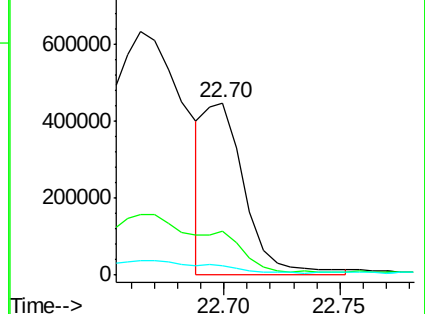
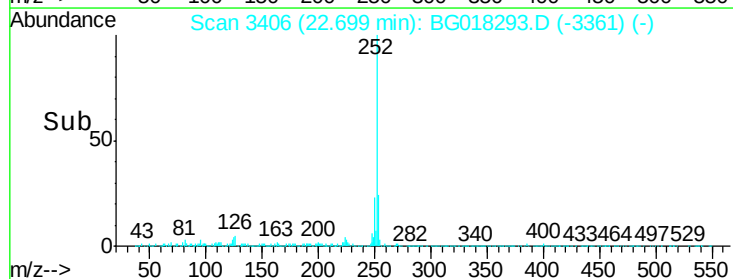
125 5.7 3.4 5.2#

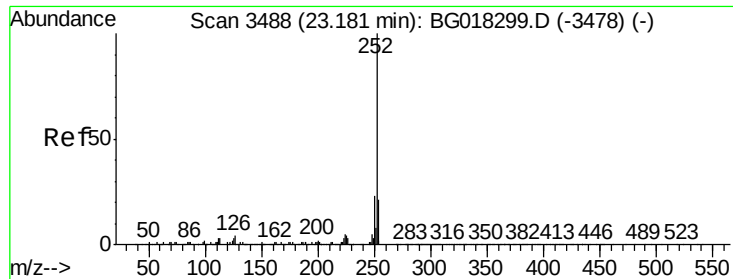


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#91

Benzo(a)pyrene

Concen: 69.66 ng/ul

RT: 23.22 min Scan# 3495

Delta R.T. 0.08 min

Lab File: BG018293.D

Acq: 6 Aug 2015 4:26

Instrument :

BNA_G

ClientSampleId :

C01P5RE

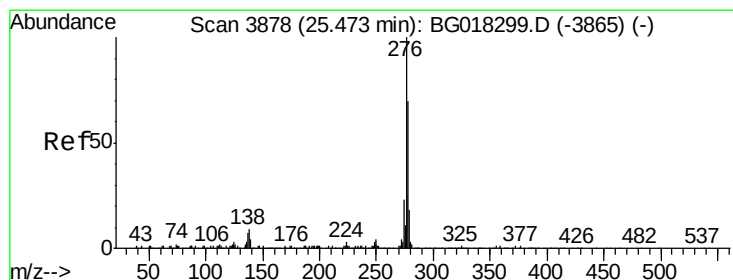
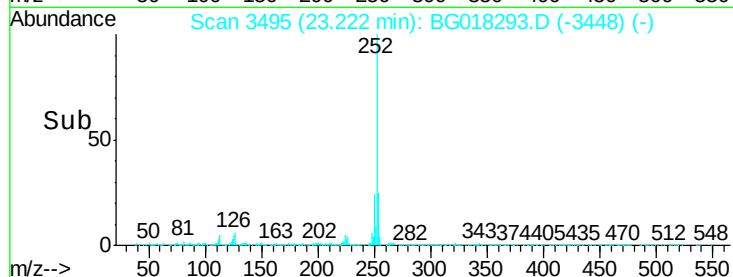
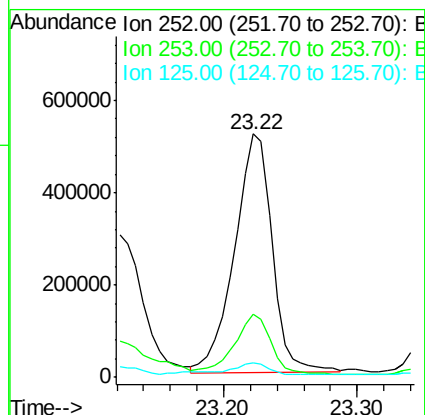
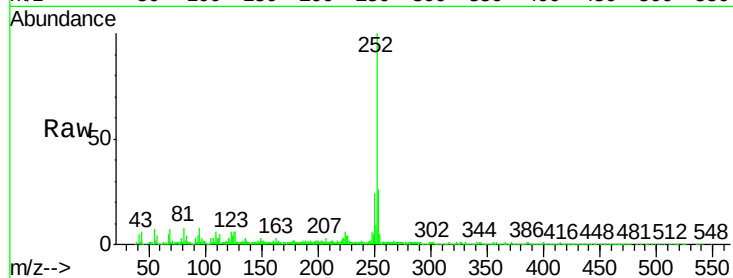
Tot Ion:252 Resp: 1013311

Ion Ratio Lower Upper

252 100

253 26.0 18.9 28.3

125 6.0 3.2 4.8#



#92

Indeno(1,2,3-cd)pyrene

Concen: 22.50 ng/ul

RT: 25.53 min Scan# 3887

Delta R.T. 0.11 min

Lab File: BG018293.D

Acq: 6 Aug 2015 4:26

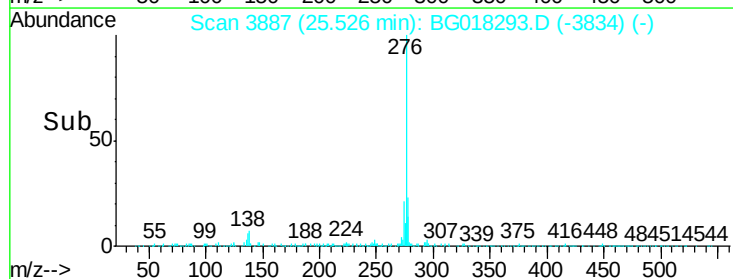
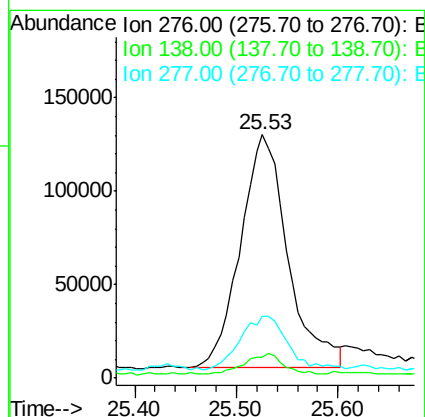
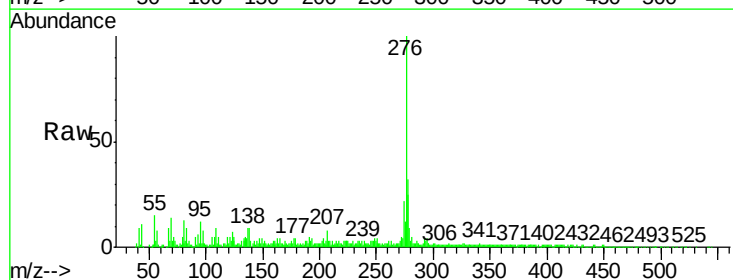
Tgt Ion:276 Resp: 404924

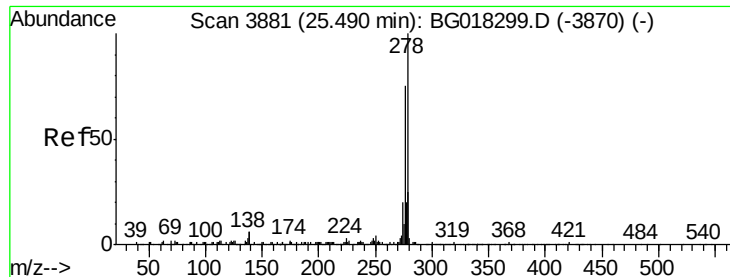
Ion Ratio Lower Upper

276 100

138 8.8 8.2 12.4

277 25.3 20.1 30.1





#93

Dibenzo(a,h)anthracene

Concen: 6.27 ng/ul

RT: 25.53 min Scan# 3887

Delta R.T. 0.10 min

Lab File: BG018293.D

Acq: 6 Aug 2015 4:26

Instrument :

BNA_G

ClientSampleId :

C01P5RE

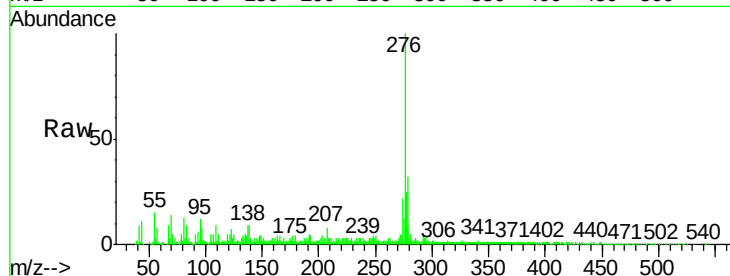
Tot Ion:278 Resp: 98951

Ion Ratio Lower Upper

278 100

139 11.1 5.8 8.8#

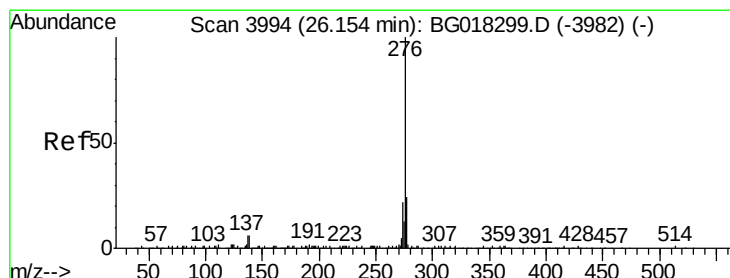
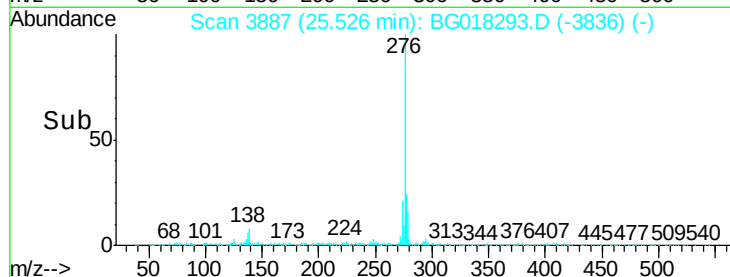
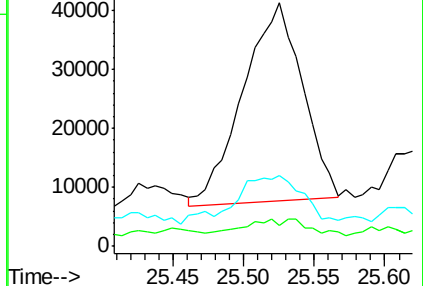
279 29.2 19.8 29.6



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: 21.95 ng/ul m

RT: 26.21 min Scan# 4003

Delta R.T. 0.12 min

Lab File: BG018293.D

Acq: 6 Aug 2015 4:26

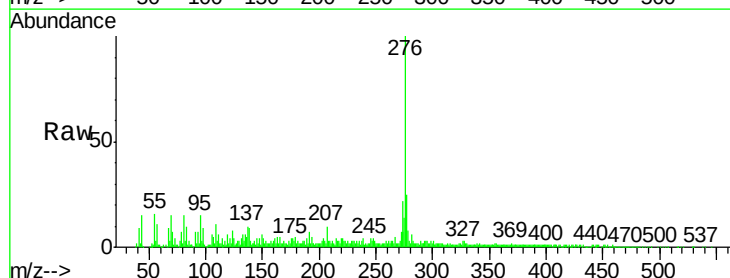
Tgt Ion:276 Resp: 320642

Ion Ratio Lower Upper

276 100

138 9.2 6.0 9.0#

277 25.3 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

