

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG070715\
 Data File : BG017793.D
 Acq On : 7 Jul 2015 12:55
 Operator : TP/UM
 Sample : G2860-09RE
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 G93J4

Quant Time: Jul 08 03:37:44 2015
 Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG070615.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Wed Jul 08 03:36:17 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.61	152	75334	20.00	ng/ul	0.00
18) Naphthalene-d8	10.38	136	344992	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.26	164	205266	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.01	188	394377	20.00	ng/ul	0.00
77) Chrysene-d12	21.22	240	446936	20.00	ng/ul	0.00
85) Perylene-d12	23.45	264	455893	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.14	96	4538	2.38	ng/uL	0.00
5) Phenol-d5	6.78	99	100380	15.78	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	6.95	67	56482	14.82	ng/ul	0.00
9) 2-Chlorophenol-d4	7.14	132	81701	15.01	ng/ul	0.00
13) 4-Methylphenol-d8	8.31	113	78480	15.08	ng/ul	0.00
19) Nitrobenzene-d5	8.76	128	39809	15.42	ng/ul	0.00
22) 2-Nitrophenol-d4	9.47	143	43054	16.70	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.01	165	74289	15.09	ng/ul	0.00
29) 4-Chloroaniline-d4	10.53	131	89962	13.45	ng/ul	0.00
43) Dimethylphthalate-d6	13.67	166	206931	15.23	ng/ul	0.00
46) Acenaphthylene-d8	13.95	160	276837	15.12	ng/ul	0.00
51) 4-Nitrophenol-d4	14.46	143	33370	12.24	ng/ul	0.00
57) Fluorene-d10	15.26	176	201101	14.51	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.38	200	10336	5.65	ng/ul	0.00
70) Anthracene-d10	17.11	188	281910	15.68	ng/ul	0.00
78) Pyrene-d10	19.42	212	296055	13.94	ng/ul	0.00
89) Benzo(a)pyrene-d12	23.30	264	274445	13.67	ng/ul	0.01

Target Compounds

						Qvalue
14) Acetophenone	8.42	105	19299	2.52	ng/ul	92
28) Naphthalene	10.44	128	492037	27.57	ng/ul	98
34) 2-Methylnaphthalene	12.06	142	171721	13.56	ng/ul	95
40) 1,1'-Biphenyl	13.08	154	67261	4.43	ng/ul	100
44) Dimethylphthalate	13.72	163	99772	6.61	ng/ul	98
47) Acenaphthylene	13.98	152	122388	6.11	ng/ul	95
49) Acenaphthene	14.32	153	469957	34.84	ng/ul	97
53) Dibenzofuran	14.66	168	528157	29.05	ng/ul	96
58) Fluorene	15.31	166	626197	38.77	ng/ul	96
69) Phenanthrene	17.06	178	3400510	157.76	ng/ul#	66
71) Anthracene	17.15	178	1429602	64.48	ng/ul	95
74) Carbazole	17.42	167	463140	25.09	ng/ul	99
76) Fluoranthene	19.23	202	44198	2.13	ng/ul	95
79) Pyrene	19.46	202	3338856	122.42	ng/ul#	73
82) Benzo(a)anthracene	21.20	228	1968716	79.94	ng/ul#	87
84) Chrysene	21.25	228	1770755	75.92	ng/ul#	88
87) Benzo(b)fluoranthene	22.78	252	2193857	84.19	ng/ul#	90
88) Benzo(k)fluoranthene	22.78	252	1532742	62.41	ng/ul	93
90) Benzo(a)pyrene	23.36	252	1697083	68.53	ng/ul	95
91) Indeno(1,2,3-cd)pyrene	25.72	276	980317	36.26	ng/ul	94
92) Dibenz(a,h)anthracene	25.72	278	262800	11.51	ng/ul#	74
93) Benzo(g,h,i)perylene	26.41	276	614130	27.15	ng/ul	96

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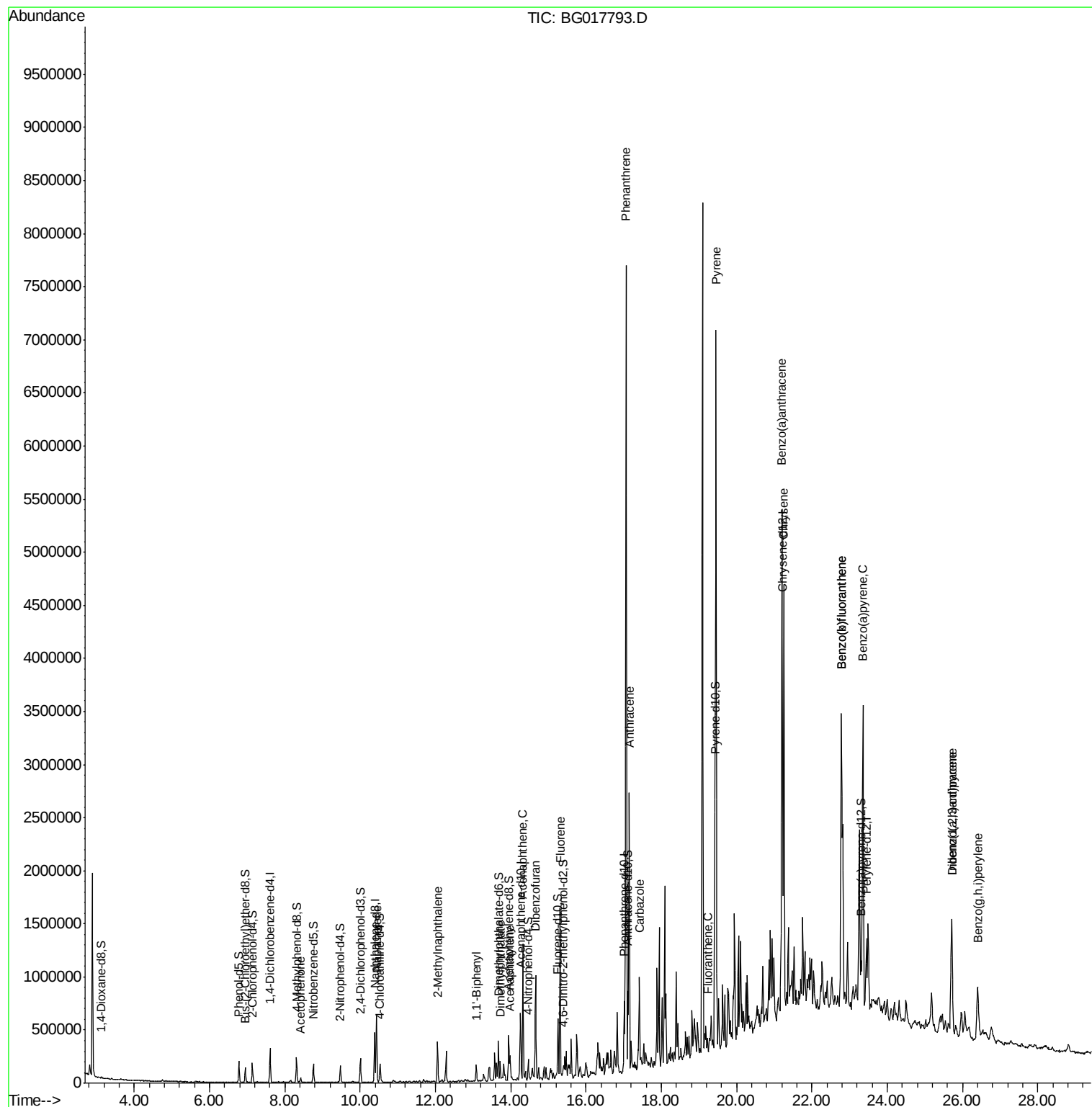
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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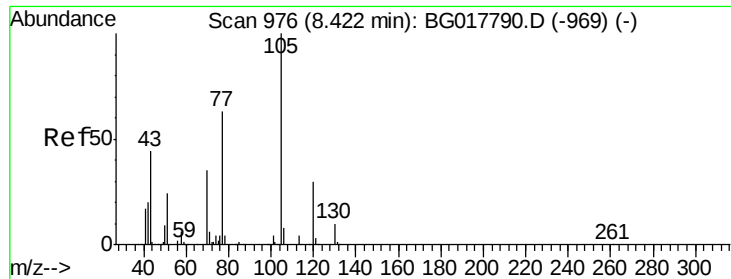
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#14

Acetophenone

Concen: 2.52 ng/ul

RT: 8.42 min Scan# 976

Delta R.T. -0.00 min

Lab File: BG017793.D

Acq: 7 Jul 2015 12:55

Instrument :

BNA_G

ClientSampleId :

G93J4

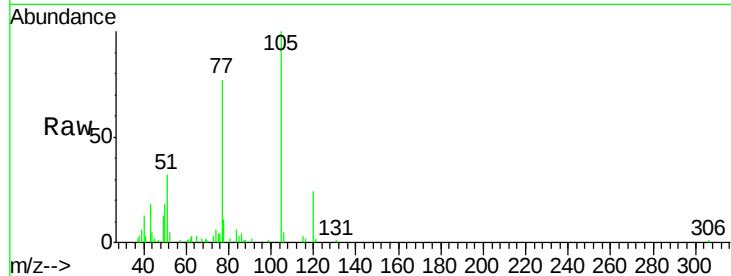
Tgt Ion:105 Resp: 19299

Ion Ratio Lower Upper

105 100

77 77.4 69.5 104.3

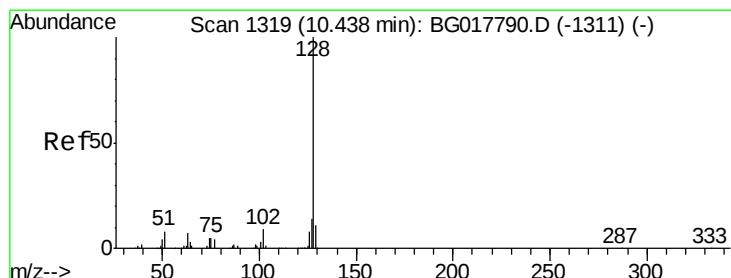
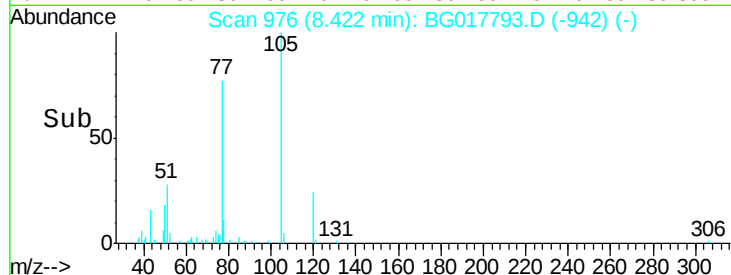
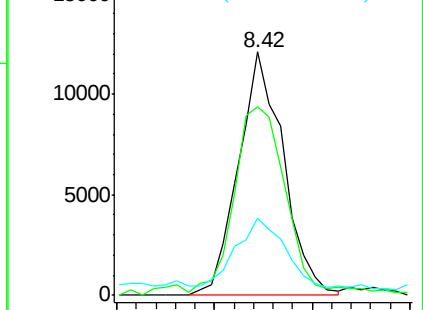
51 31.8 26.7 40.1



Abundance Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BG017793.D (-942) (-)

Ion 51.00 (50.70 to 51.70): BG017793.D (-942) (-)



#28

Naphthalene

Concen: 27.57 ng/ul

RT: 10.44 min Scan# 1319

Delta R.T. -0.00 min

Lab File: BG017793.D

Acq: 7 Jul 2015 12:55

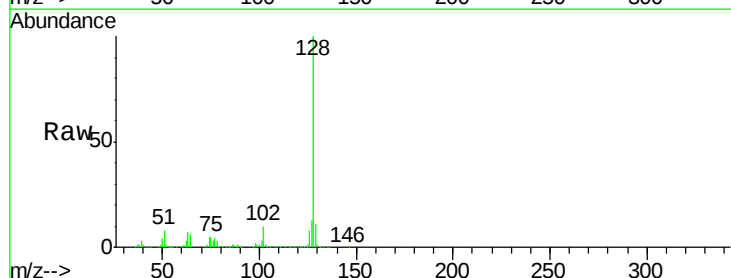
Tgt Ion:128 Resp: 492037

Ion Ratio Lower Upper

128 100

129 11.4 8.7 13.1

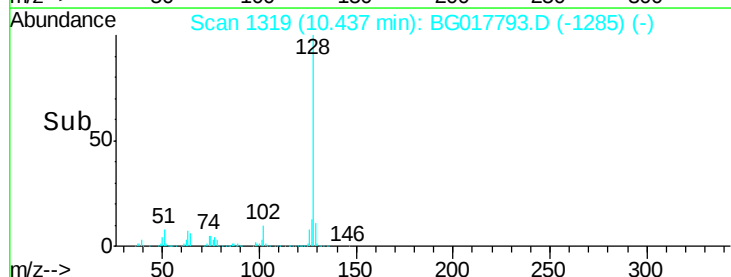
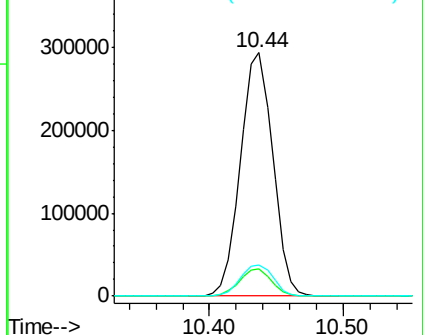
127 13.0 11.0 16.6

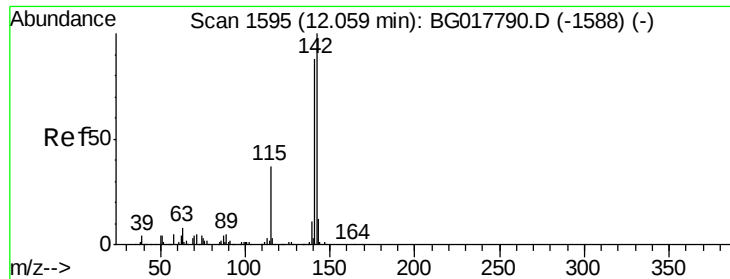


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E

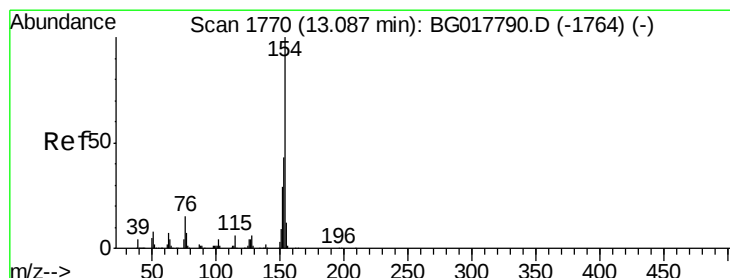
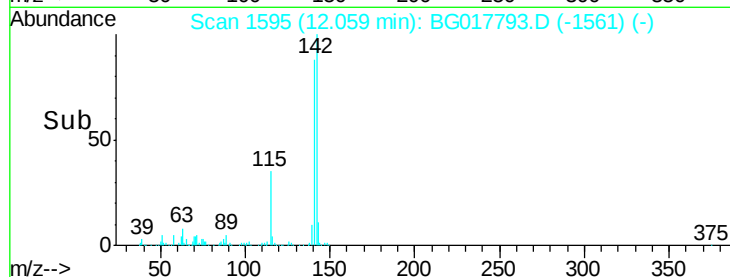
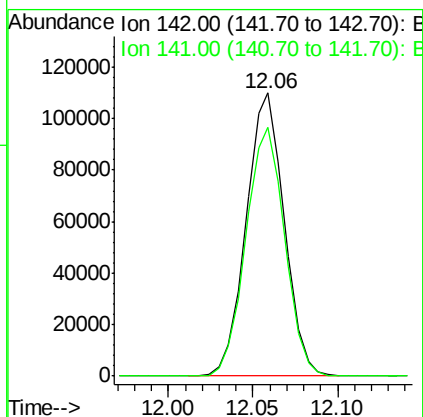
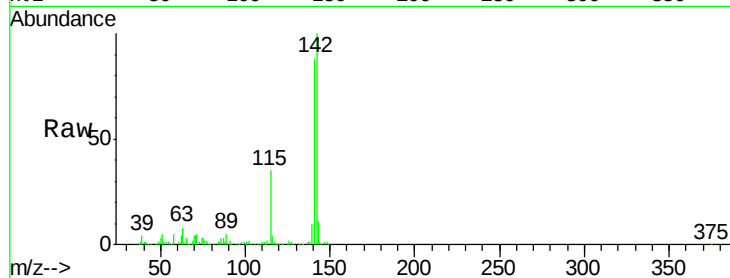




#34
 2-Methylnaphthalene
 Concen: 13.56 ng/ul
 RT: 12.06 min Scan# 1595
 Delta R.T. -0.00 min
 Lab File: BG017793.D
 Acq: 7 Jul 2015 12:55

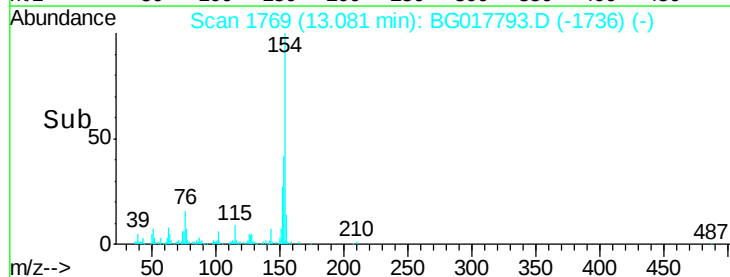
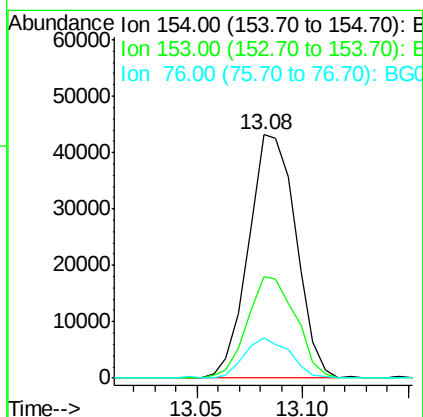
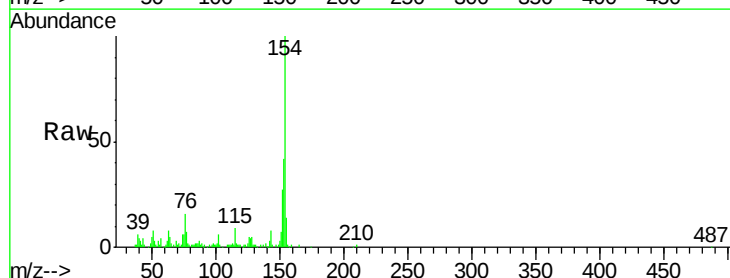
Instrument :
 BNA_G
 ClientSampleId :
 G93J4

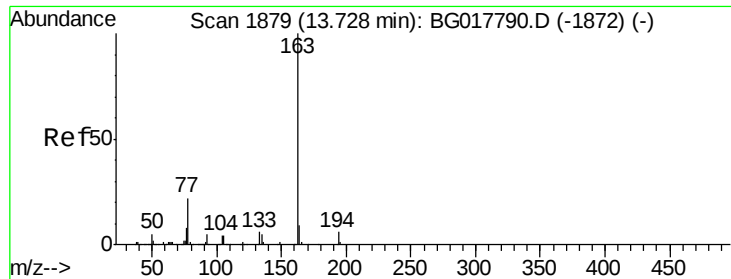
Tgt Ion:142 Resp: 171721
 Ion Ratio Lower Upper
 142 100
 141 88.0 66.6 100.0



#40
 1,1'-Biphenyl
 Concen: 4.43 ng/ul
 RT: 13.08 min Scan# 1769
 Delta R.T. -0.01 min
 Lab File: BG017793.D
 Acq: 7 Jul 2015 12:55

Tgt Ion:154 Resp: 67261
 Ion Ratio Lower Upper
 154 100
 153 41.6 33.3 49.9
 76 16.2 12.4 18.6

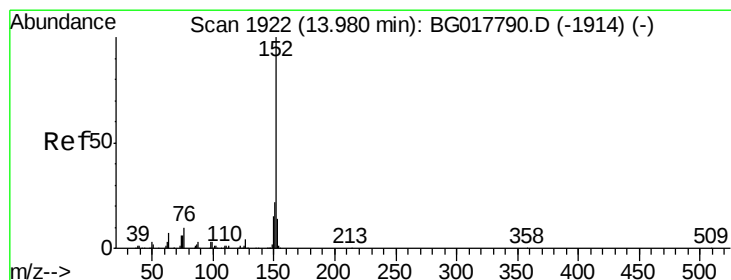
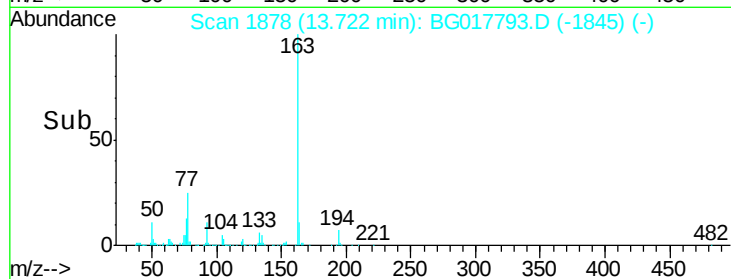
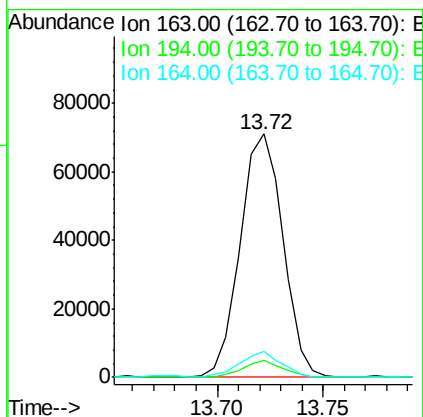
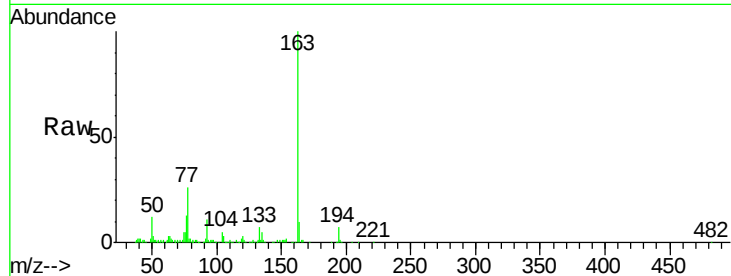




#44
Dimethylphthalate
Concen: 6.61 ng/ul
RT: 13.72 min Scan# 1878
Delta R.T. -0.01 min
Lab File: BG017793.D
Acq: 7 Jul 2015 12:55

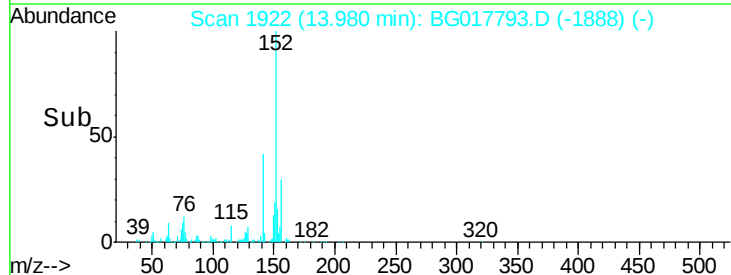
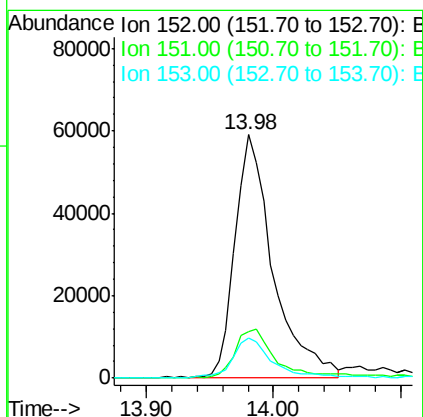
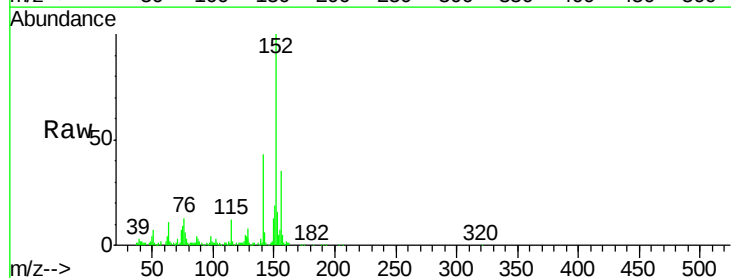
Instrument :
BNA_G
ClientSampleId :
G93J4

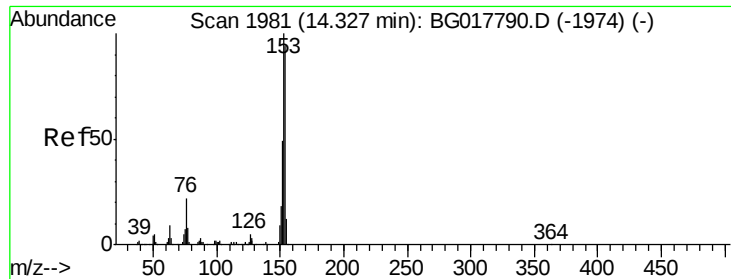
Tgt Ion:163 Resp: 99772
Ion Ratio Lower Upper
163 100
194 7.1 5.4 8.0
164 10.5 7.7 11.5



#47
Acenaphthylene
Concen: 6.11 ng/ul
RT: 13.98 min Scan# 1922
Delta R.T. -0.00 min
Lab File: BG017793.D
Acq: 7 Jul 2015 12:55

Tgt Ion:152 Resp: 122388
Ion Ratio Lower Upper
152 100
151 18.9 17.0 25.6
153 16.3 11.2 16.8





#49

Acenaphthene

Concen: 34.84 ng/ul

RT: 14.32 min Scan# 1980

Delta R.T. -0.01 min

Lab File: BG017793.D

Acq: 7 Jul 2015 12:55

Instrument :

BNA_G

ClientSampleId :

G93J4

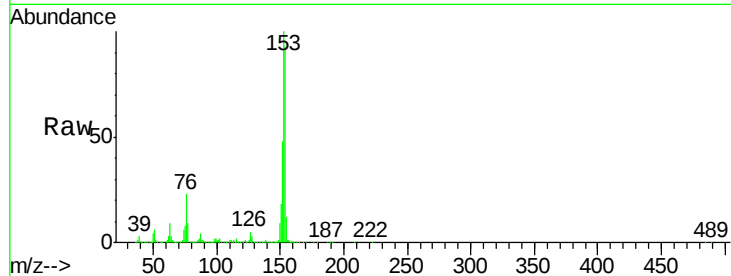
Tgt Ion:153 Resp: 469957

Ion Ratio Lower Upper

153 100

152 48.0 37.8 56.6

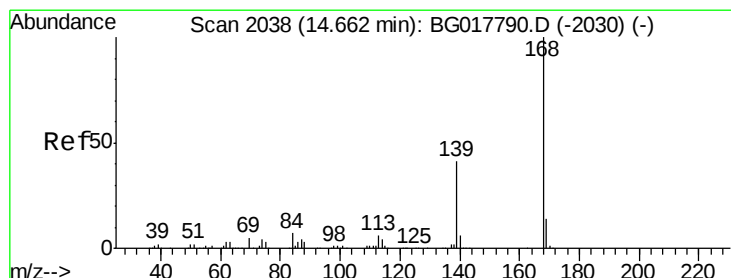
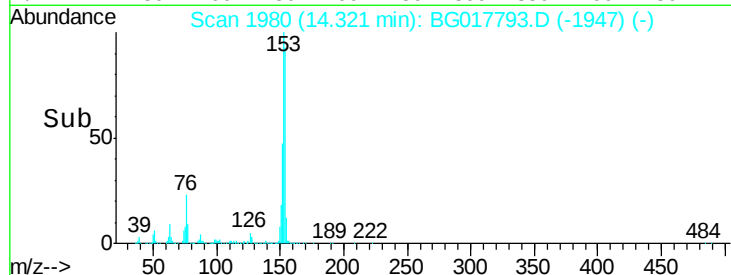
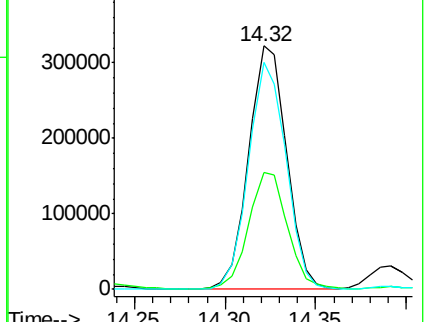
154 93.0 71.2 106.8



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



#53

Dibenzofuran

Concen: 29.05 ng/ul

RT: 14.66 min Scan# 2038

Delta R.T. -0.00 min

Lab File: BG017793.D

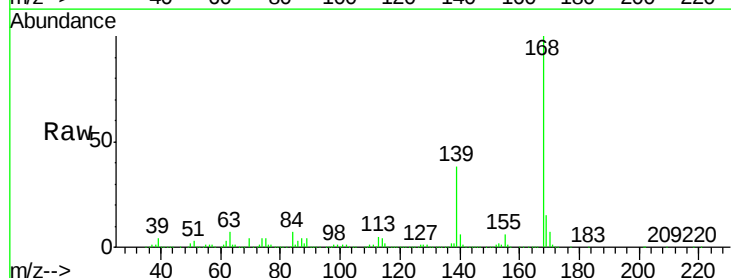
Acq: 7 Jul 2015 12:55

Tgt Ion:168 Resp: 528157

Ion Ratio Lower Upper

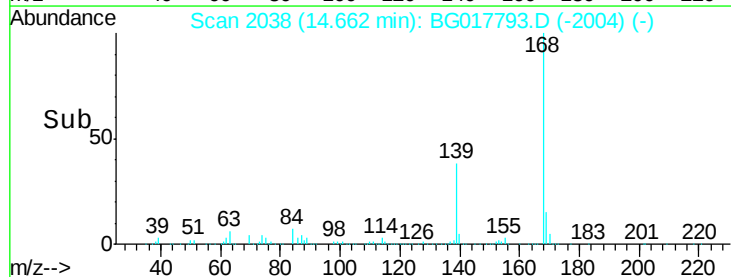
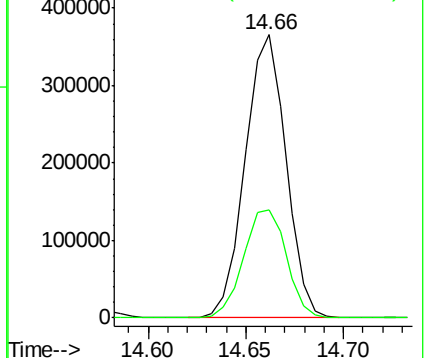
168 100

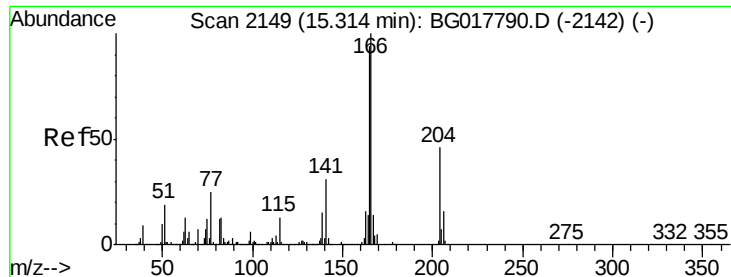
139 38.3 32.7 49.1



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E





#58

Fluorene

Concen: 38.77 ng/ul

RT: 15.31 min Scan# 2149

Delta R.T. -0.00 min

Lab File: BG017793.D

Acq: 7 Jul 2015 12:55

Instrument :

BNA_G

ClientSampleId :

G93J4

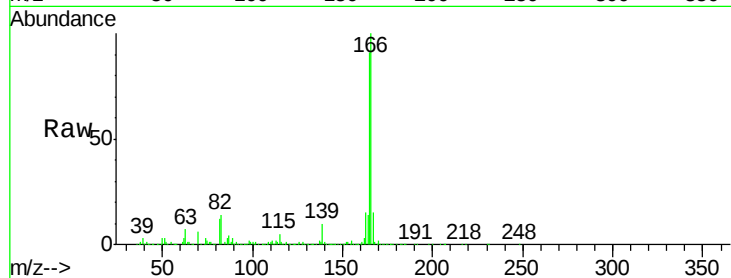
Tgt Ion:166 Resp: 626197

Ion Ratio Lower Upper

166 100

165 91.5 75.7 113.5

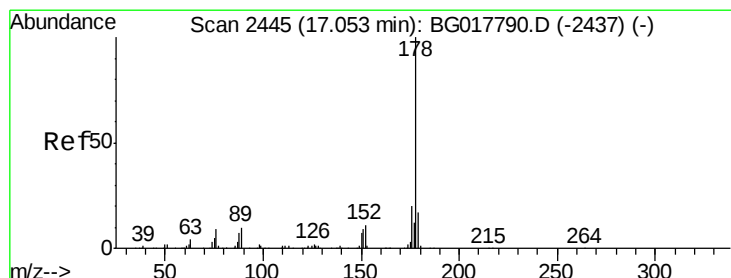
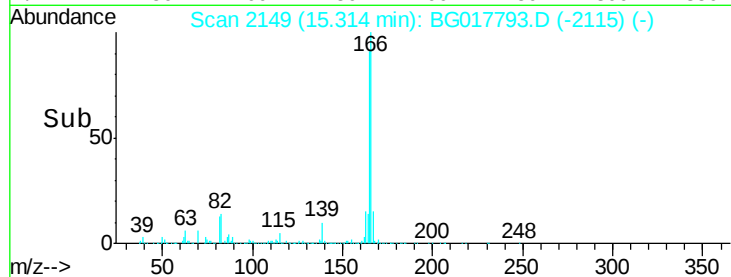
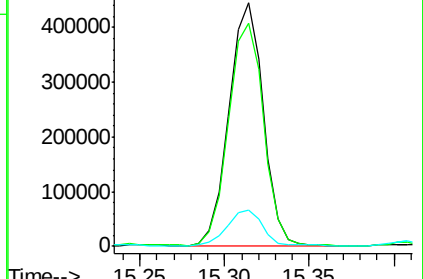
167 14.9 10.1 15.1



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



#69

Phenanthrene

Concen: 157.76 ng/ul

RT: 17.06 min Scan# 2447

Delta R.T. 0.01 min

Lab File: BG017793.D

Acq: 7 Jul 2015 12:55

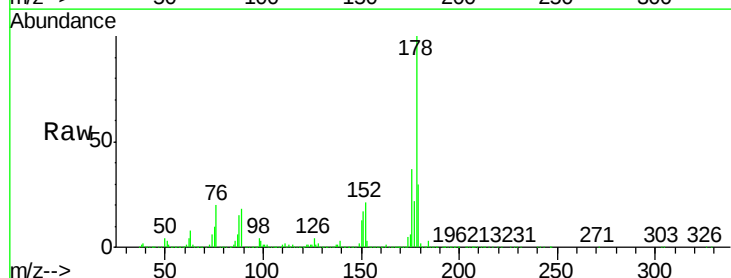
Tgt Ion:178 Resp: 3400510

Ion Ratio Lower Upper

178 100

179 30.3 13.0 19.4#

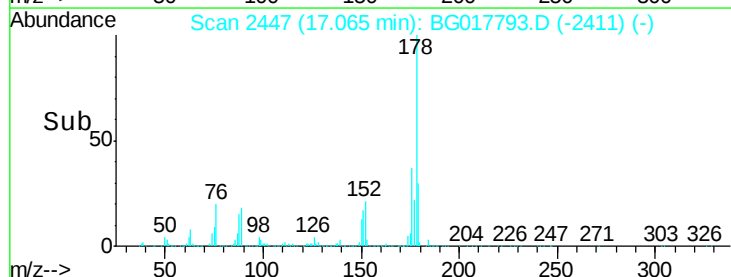
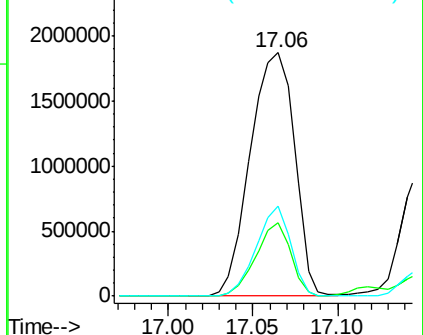
176 37.2 17.0 25.4#

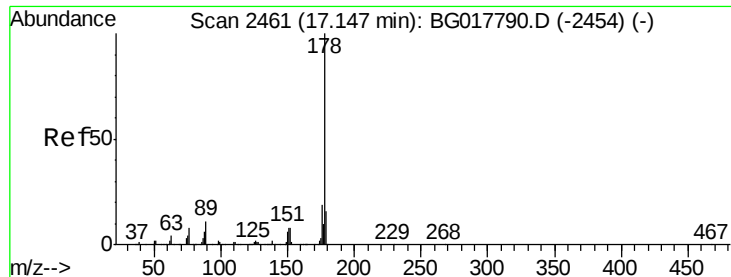


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#71

Anthracene

Concen: 64.48 ng/ul

RT: 17.15 min Scan# 2461

Delta R.T. -0.00 min

Lab File: BG017793.D

Acq: 7 Jul 2015 12:55

Instrument :

BNA_G

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G93J4

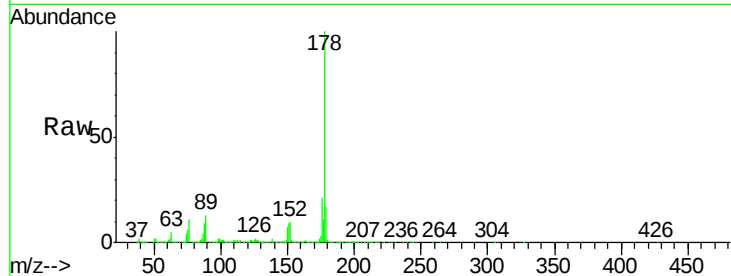
Tgt Ion:178 Resp: 1429602

Ion Ratio Lower Upper

178 100

179 17.4 12.4 18.6

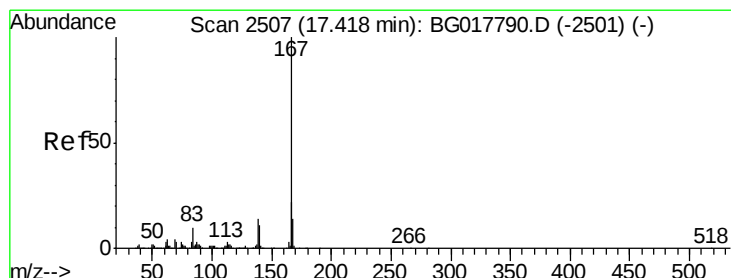
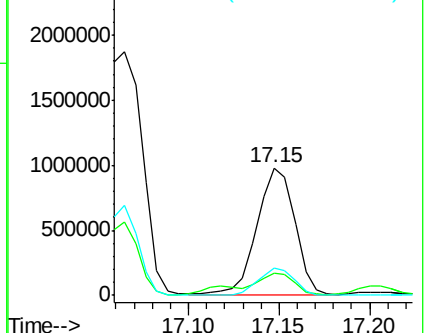
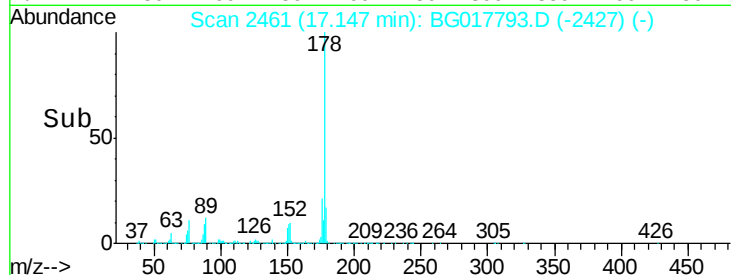
176 21.5 15.3 22.9



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



#74

Carbazole

Concen: 25.09 ng/ul

RT: 17.42 min Scan# 2507

Delta R.T. -0.00 min

Lab File: BG017793.D

Acq: 7 Jul 2015 12:55

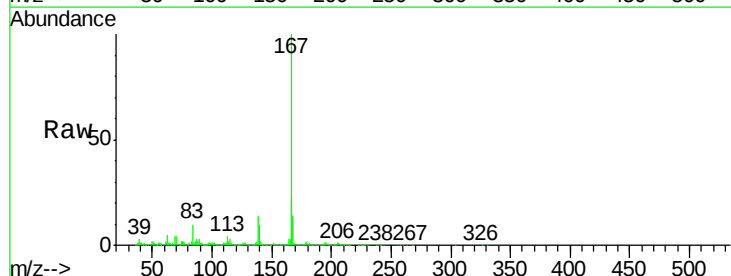
Tgt Ion:167 Resp: 463140

Ion Ratio Lower Upper

167 100

166 21.5 18.0 27.0

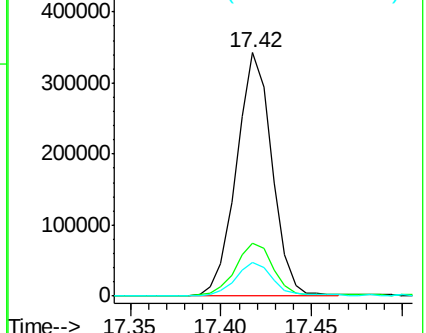
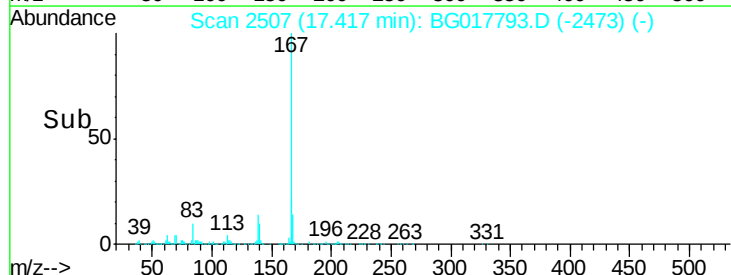
139 13.9 11.4 17.0

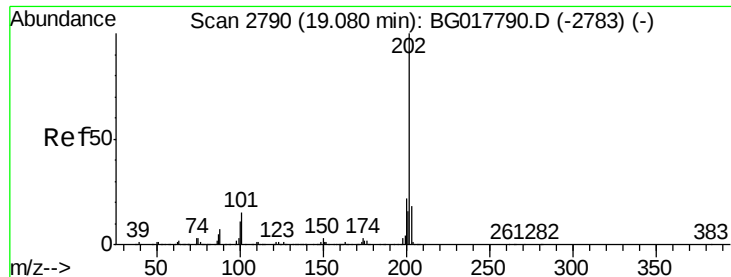


Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E





#76

Fluoranthene

Concen: 2.13 ng/ul

RT: 19.23 min Scan# 2816

Delta R.T. 0.15 min

Lab File: BG017793.D

Acq: 7 Jul 2015 12:55

Instrument :

BNA_G

ClientSampleId :

G93J4

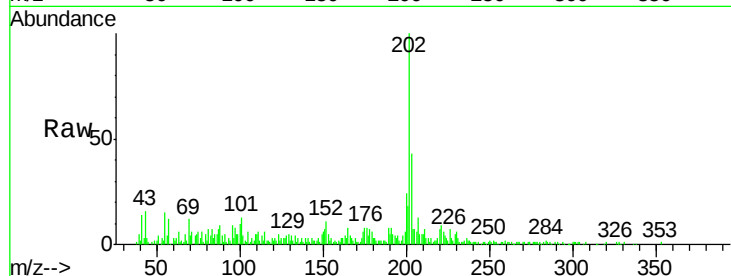
Tgt Ion:202 Resp: 44198

Ion Ratio Lower Upper

202 100

101 13.4 12.6 18.8

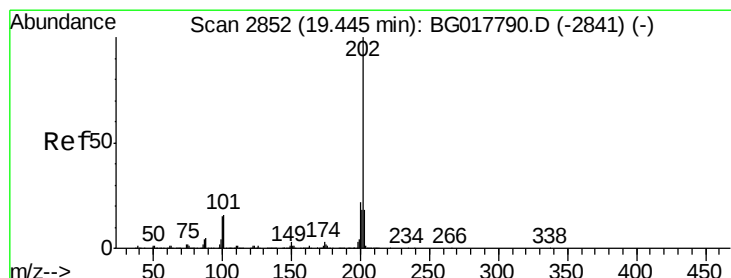
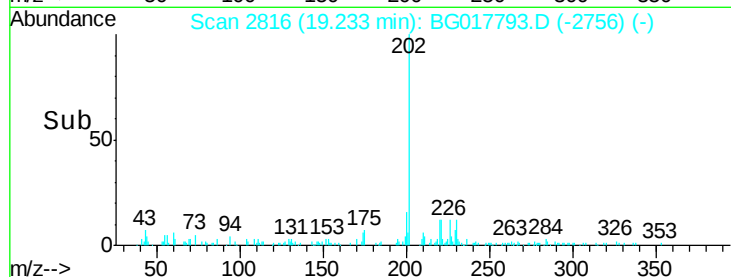
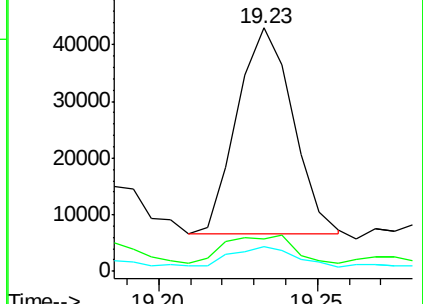
100 10.1 9.1 13.7



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



#79

Pyrene

Concen: 122.42 ng/ul

RT: 19.46 min Scan# 2854

Delta R.T. 0.01 min

Lab File: BG017793.D

Acq: 7 Jul 2015 12:55

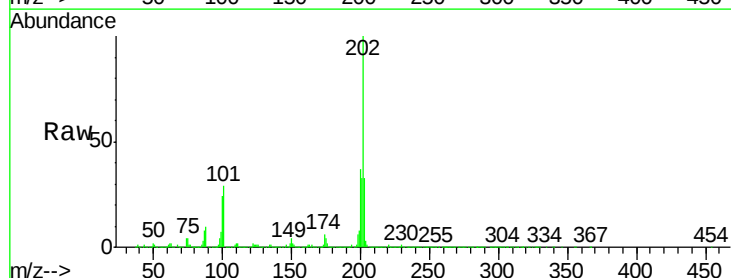
Tgt Ion:202 Resp: 3338856

Ion Ratio Lower Upper

202 100

101 28.9 13.1 19.7#

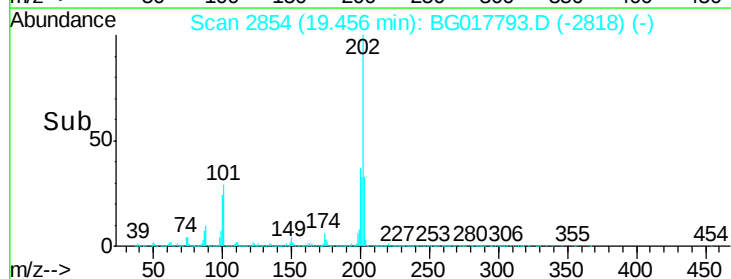
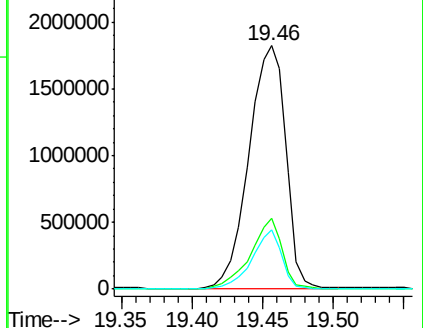
100 24.2 11.3 16.9#

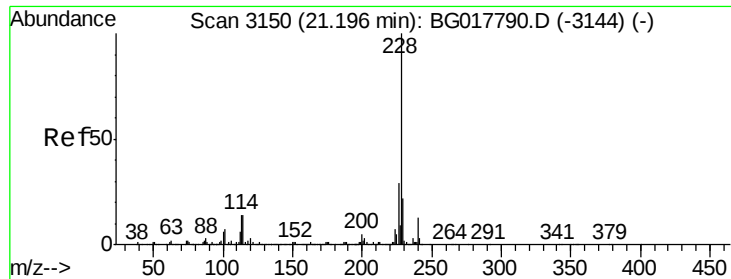


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#82

Benzo(a)anthracene

Concen: 79.94 ng/ul

RT: 21.20 min Scan# 3151

Delta R.T. 0.01 min

Lab File: BG017793.D

Acq: 7 Jul 2015 12:55

Instrument :

BNA_G

ClientSampleId :

G93J4

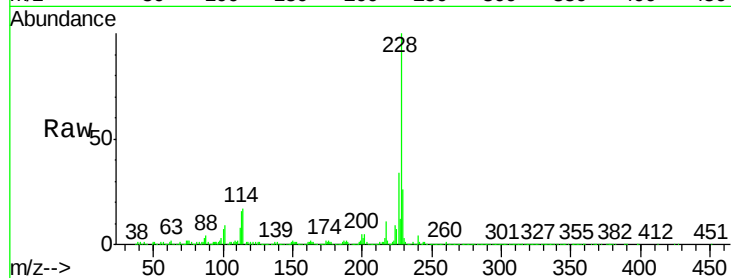
Tgt Ion:228 Resp: 1968716

Ion Ratio Lower Upper

228 100

229 26.5 15.8 23.8#

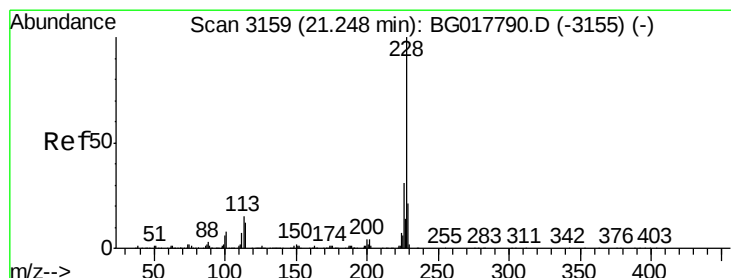
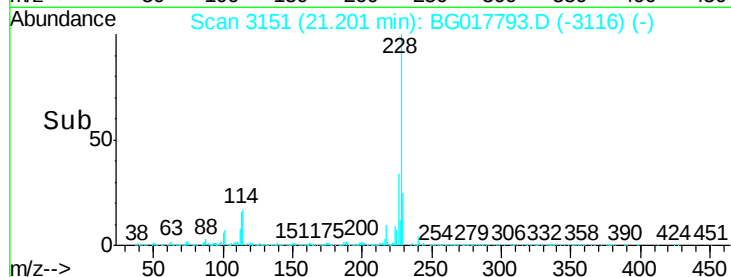
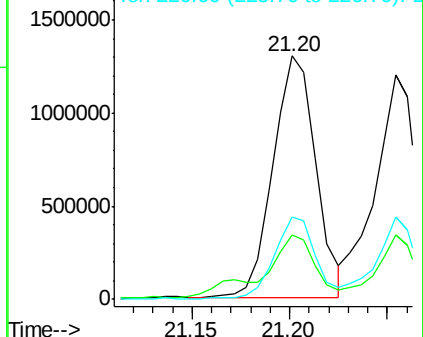
226 33.9 22.2 33.2#



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

Chrysene

Concen: 75.92 ng/ul

RT: 21.25 min Scan# 3160

Delta R.T. 0.01 min

Lab File: BG017793.D

Acq: 7 Jul 2015 12:55

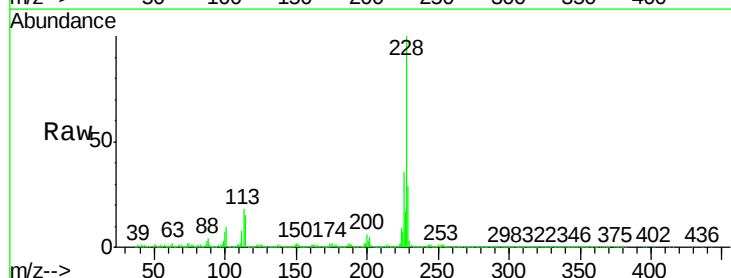
Tgt Ion:228 Resp: 1770755

Ion Ratio Lower Upper

228 100

226 36.5 25.6 38.4

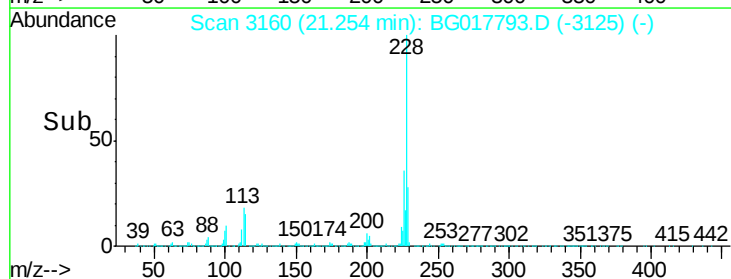
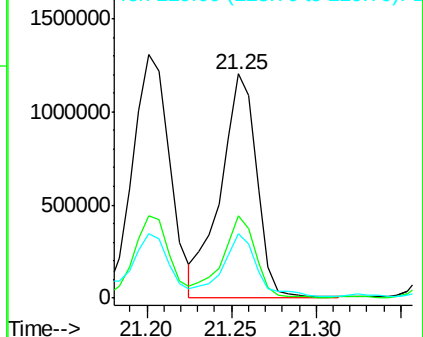
229 28.6 16.4 24.6#

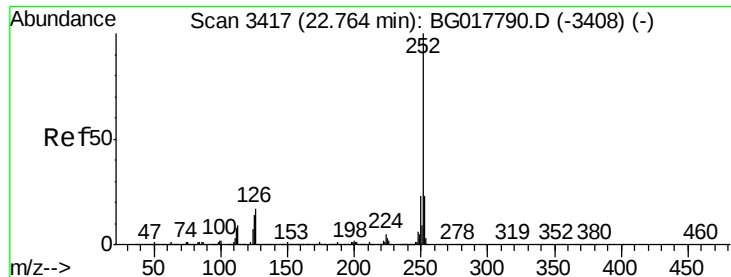


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#87

Benzo(b)fluoranthene

Concen: 84.19 ng/ul

RT: 22.78 min Scan# 3420

Delta R.T. 0.02 min

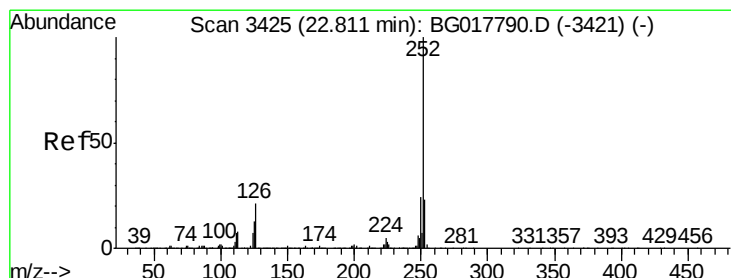
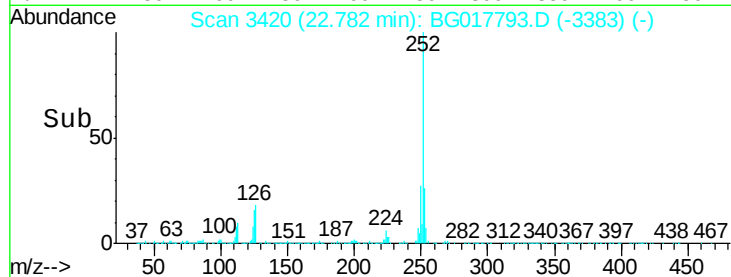
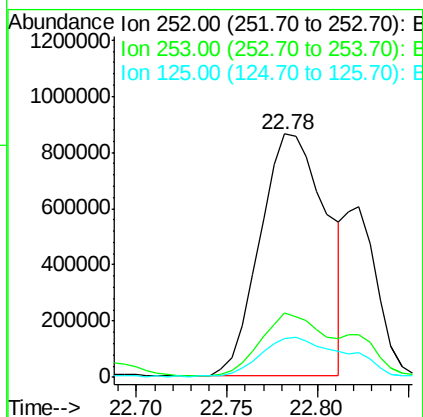
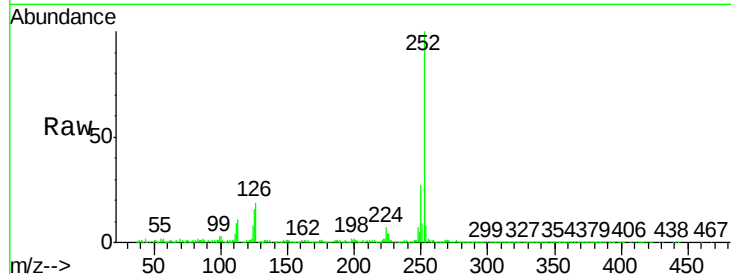
Lab File: BG017793.D

Acq: 7 Jul 2015 12:55

Instrument :
BNA_G
ClientSampleId :
G93J4

Tgt Ion:252 Resp: 2193857

Ion	Ratio	Lower	Upper
252	100		
253	26.4	16.8	25.2#
125	16.1	10.4	15.6#



#88

Benzo(k)fluoranthene

Concen: 62.41 ng/ul

RT: 22.78 min Scan# 3420

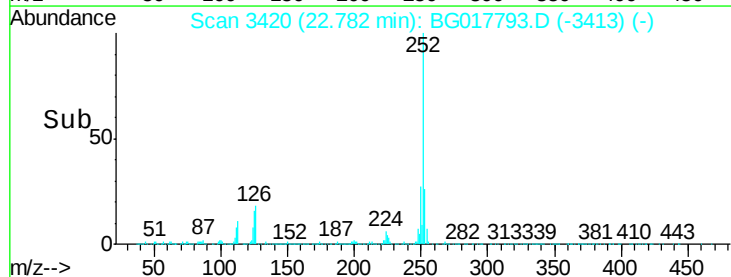
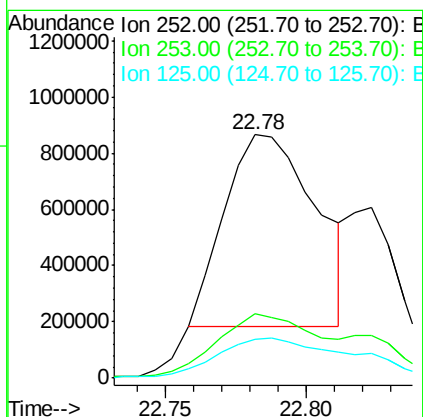
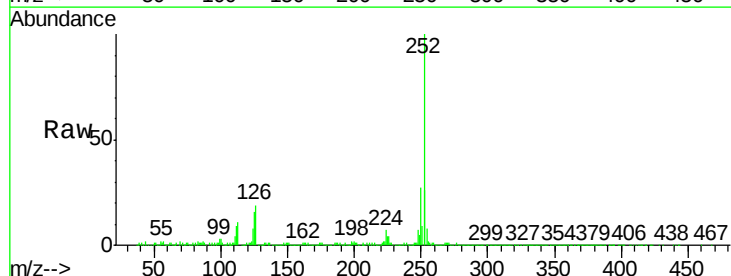
Delta R.T. -0.03 min

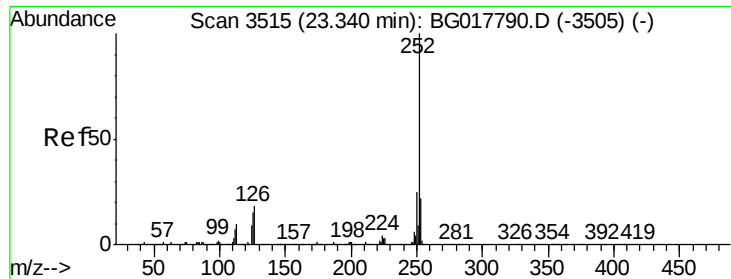
Lab File: BG017793.D

Acq: 7 Jul 2015 12:55

Tgt Ion:252 Resp: 1532742

Ion	Ratio	Lower	Upper
252	100		
253	26.4	17.6	26.4
125	16.1	11.6	17.4





#90

Benzo(a)pyrene

Concen: 68.53 ng/ul

RT: 23.36 min Scan# 3518

Delta R.T. 0.02 min

Lab File: BG017793.D

Acq: 7 Jul 2015 12:55

Instrument :

BNA_G

ClientSampleId :

G93J4

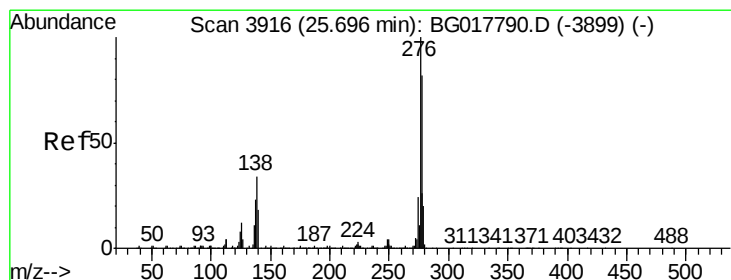
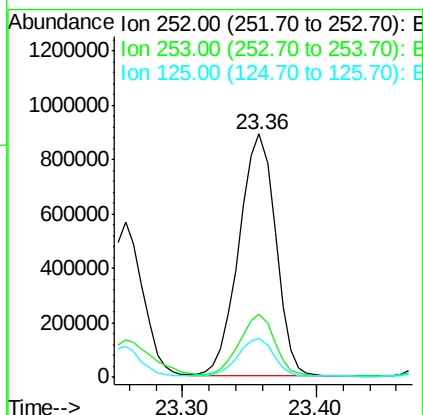
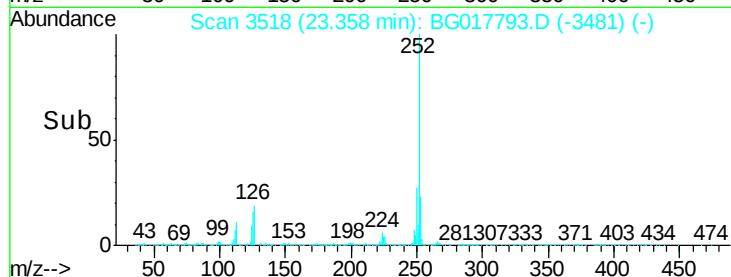
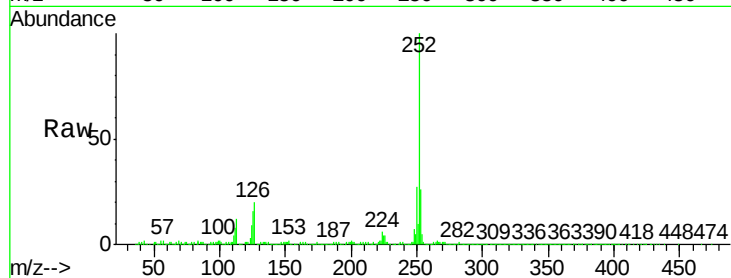
Tgt Ion:252 Resp: 1697083

Ion Ratio Lower Upper

252 100

253 25.9 18.3 27.5

125 16.2 12.1 18.1



#91

Indeno(1,2,3-cd)pyrene

Concen: 36.26 ng/ul

RT: 25.72 min Scan# 3920

Delta R.T. 0.02 min

Lab File: BG017793.D

Acq: 7 Jul 2015 12:55

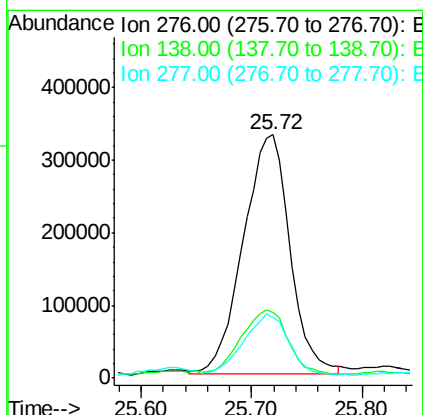
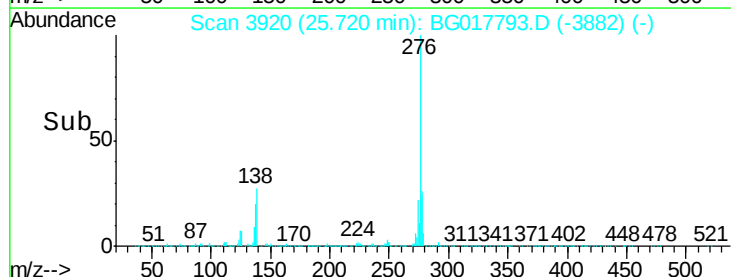
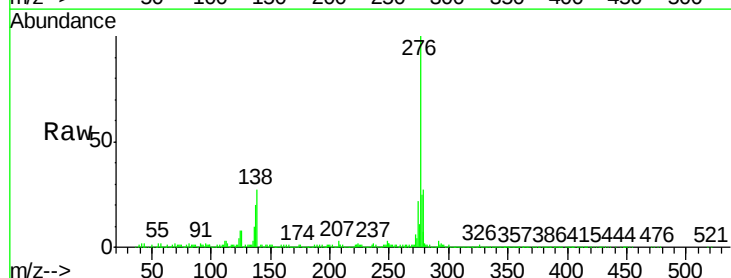
Tgt Ion:276 Resp: 980317

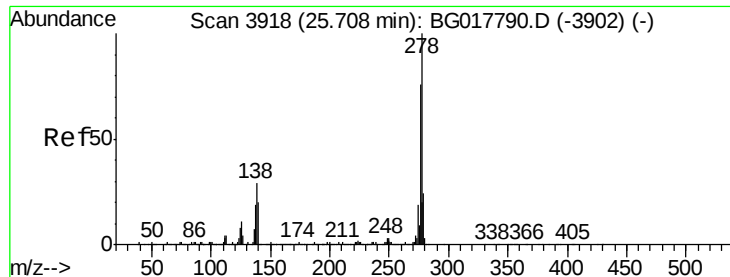
Ion Ratio Lower Upper

276 100

138 27.2 26.1 39.1

277 24.9 20.9 31.3

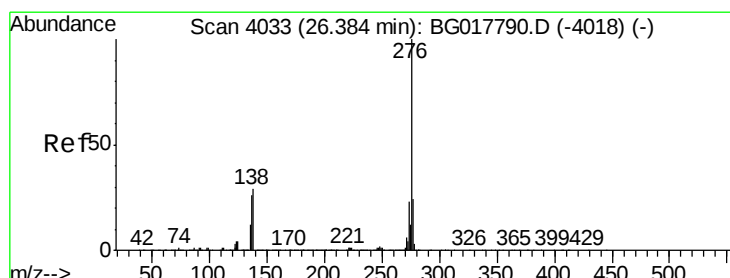
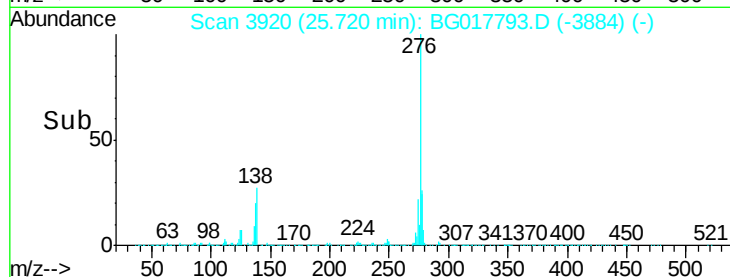
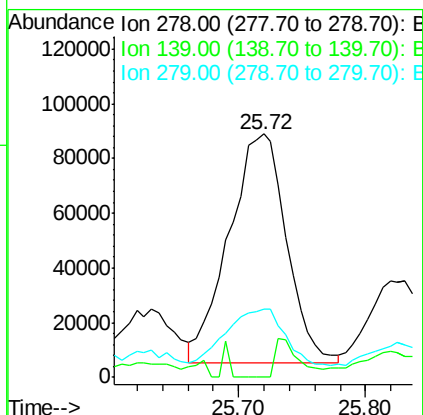
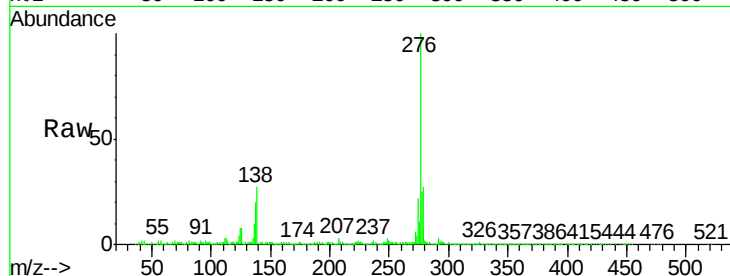




#92
Dibenzo(a,h)anthracene
Concen: 11.51 ng/ul
RT: 25.72 min Scan# 3920
Delta R.T. 0.01 min
Lab File: BG017793.D
Acq: 7 Jul 2015 12:55

Instrument :
BNA_G
ClientSampleId :
G93J4

Tgt Ion: 278 Resp: 262800
Ion Ratio Lower Upper
278 100
139 0.0 16.3 24.5#
279 28.0 18.7 28.1



#93
Benzo(g,h,i)perylene
Concen: 27.15 ng/ul
RT: 26.41 min Scan# 4037
Delta R.T. 0.02 min
Lab File: BG017793.D
Acq: 7 Jul 2015 12:55

Tgt Ion: 276 Resp: 614130
Ion Ratio Lower Upper
276 100
138 29.2 25.1 37.7
277 24.8 18.7 28.1

