

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG070615\
 Data File : BG017784.D
 Acq On : 7 Jul 2015 00:16
 Operator : TP/UM
 Sample : G2860-15 10X
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 G93K0

Quant Time: Jul 07 01:54:30 2015
 Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG070615.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Tue Jul 07 01:50:10 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.60	152	83301	20.00	ng/ul	0.00
18) Naphthalene-d8	10.38	136	395500	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.26	164	246134	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.01	188	496024	20.00	ng/ul	0.00
77) Chrysene-d12	21.21	240	523280	20.00	ng/ul	0.00
85) Perylene-d12	23.44	264	525659	20.00	ng/ul	0.01

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.13	96	198	0.09	ng/uL	0.00
5) Phenol-d5	6.78	99	10791	1.53	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	6.95	67	6307	1.50	ng/ul	0.00
9) 2-Chlorophenol-d4	7.14	132	9363	1.56	ng/ul	0.00
13) 4-Methylphenol-d8	8.31	113	10301	1.79	ng/ul	0.00
19) Nitrobenzene-d5	8.76	128	5029	1.70	ng/ul	0.00
22) 2-Nitrophenol-d4	9.47	143	4801	1.62	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.01	165	8523	1.51	ng/ul	0.00
29) 4-Chloroaniline-d4	10.53	131	8514	1.11	ng/ul	0.00
43) Dimethylphthalate-d6	13.67	166	25395	1.56	ng/ul	0.00
46) Acenaphthylene-d8	13.95	160	30823	1.40	ng/ul	0.00
51) 4-Nitrophenol-d4	14.47	143	3175	0.97	ng/ul	0.00
57) Fluorene-d10	15.25	176	24382	1.47	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.37	200	253	0.11	ng/ul	0.00
70) Anthracene-d10	17.11	188	32778	1.45	ng/ul	0.00
78) Pyrene-d10	19.41	212	29961	1.20	ng/ul	0.00
89) Benzo(a)pyrene-d12	23.29	264	23755	1.03	ng/ul	0.00

Target Compounds

						Qvalue
28) Naphthalene	10.44	128	895331	43.75	ng/ul	99
34) 2-Methylnaphthalene	12.06	142	247519	17.04	ng/ul	92
40) 1,1'-Biphenyl	13.09	154	60008	3.29	ng/ul	98
47) Acenaphthylene	13.97	152	146985	6.12	ng/ul	98
49) Acenaphthene	14.32	153	225913	13.97	ng/ul	97
53) Dibenzofuran	14.66	168	421276	19.32	ng/ul	99
58) Fluorene	15.31	166	567106	29.28	ng/ul	99
60) 4-Nitroaniline	15.31	138	7190	1.51	ng/ul#	19
69) Phenanthrene	17.06	178	2820507	104.04	ng/ul#	81
71) Anthracene	17.15	178	1058371	37.96	ng/ul	97
74) Carbazole	17.42	167	410707	17.69	ng/ul	99
76) Fluoranthene	19.09	202	2243997	85.91	ng/ul#	92
79) Pyrene	19.45	202	2159900	67.64	ng/ul#	92
82) Benzo(a)anthracene	21.19	228	1286131	44.61	ng/ul#	93
84) Chrysene	21.19	228	1309351	47.94	ng/ul	96
87) Benzo(b)fluoranthene	22.78	252	1135732	37.80	ng/ul#	93
88) Benzo(k)fluoranthene	22.78	252	299996	10.59	ng/ul	96
90) Benzo(a)pyrene	23.34	252	905151	31.70	ng/ul	97
91) Indeno(1,2,3-cd)pyrene	25.70	276	398441	12.78	ng/ul	95
92) Dibenzo(a,h)anthracene	25.70	278	148073	5.62	ng/ul#	74
93) Benzo(g,h,i)perylene	26.38	276	333678	12.79	ng/ul	96

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Quant Title : SVOA CALIBRATION
QLast Update : Tue Jul 07 01:50:10 2015
Response via : Initial Calibration

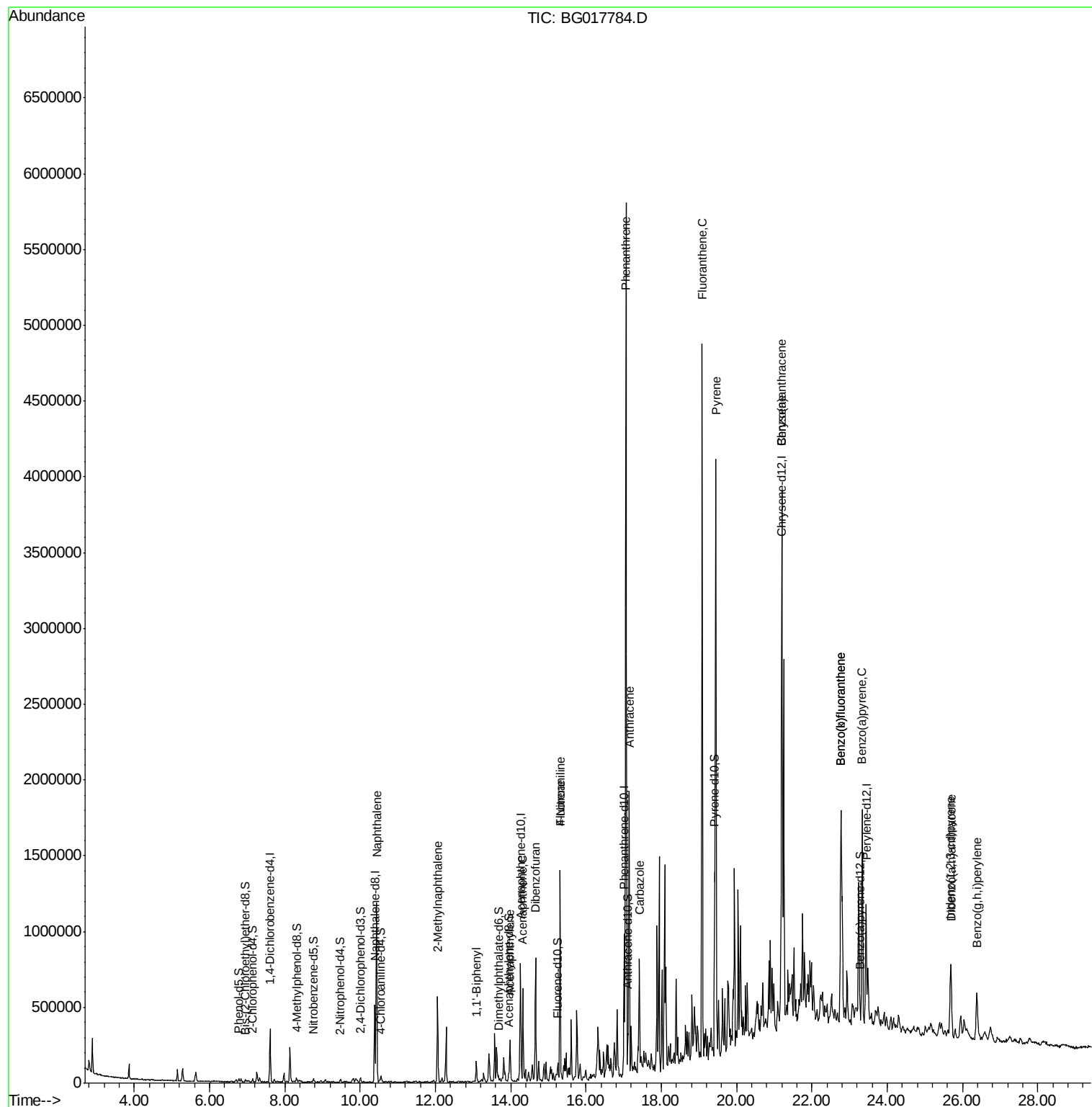
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

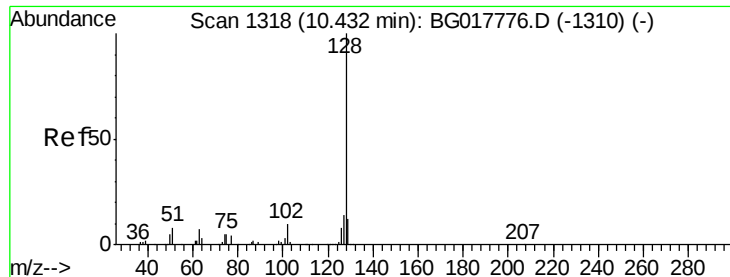
(#) = qualifier out of range (m) = manual integration (+) = signals summed						

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#28

Naphthalene

Concen: 43.75 ng/ul

RT: 10.44 min Scan# 1319

Delta R.T. 0.00 min

Lab File: BG017784.D

Acq: 7 Jul 2015 00:16

Instrument :

BNA_G

ClientSampleId :

G93K0

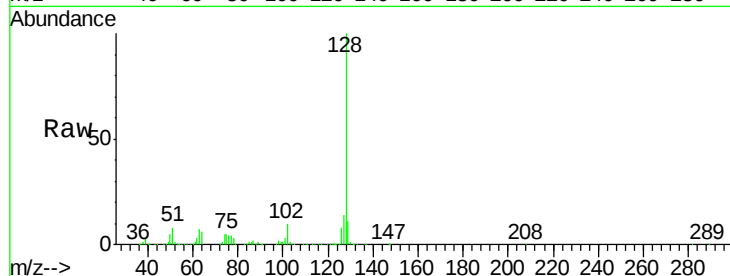
Tgt Ion:128 Resp: 895331

Ion Ratio Lower Upper

128 100

129 11.4 8.7 13.1

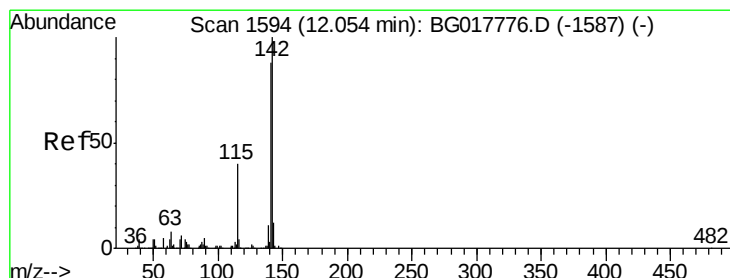
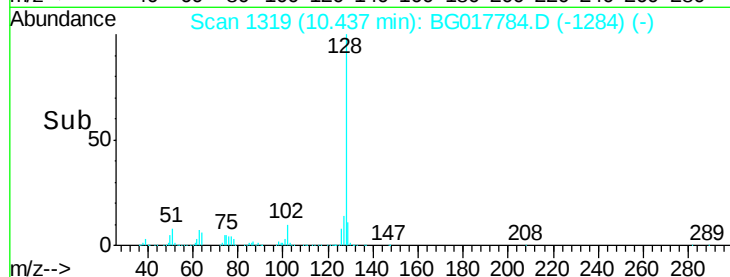
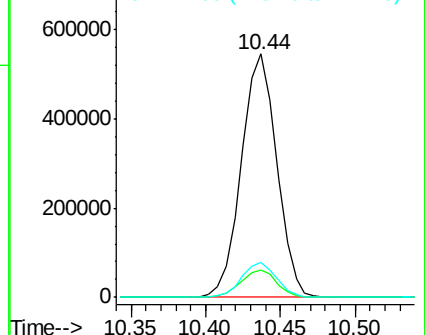
127 14.3 11.0 16.6



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: 17.04 ng/ul

RT: 12.06 min Scan# 1595

Delta R.T. 0.00 min

Lab File: BG017784.D

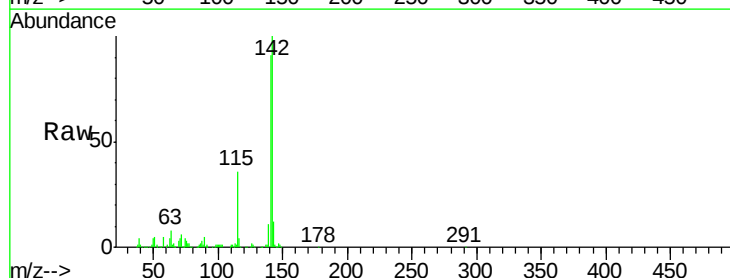
Acq: 7 Jul 2015 00:16

Tgt Ion:142 Resp: 247519

Ion Ratio Lower Upper

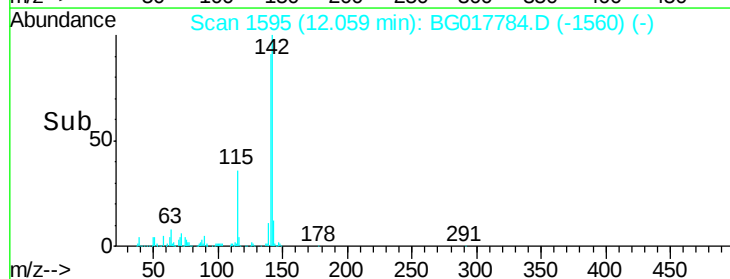
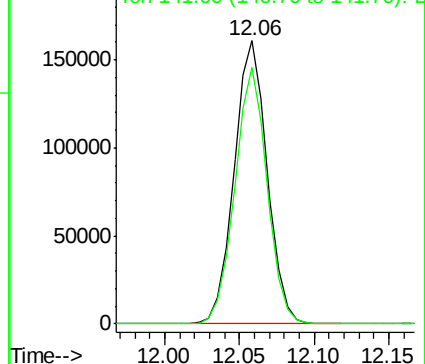
142 100

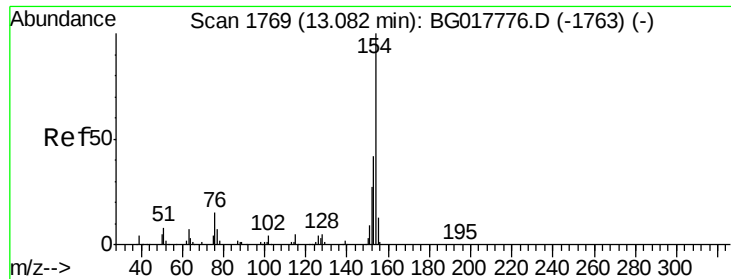
141 90.5 66.6 100.0



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

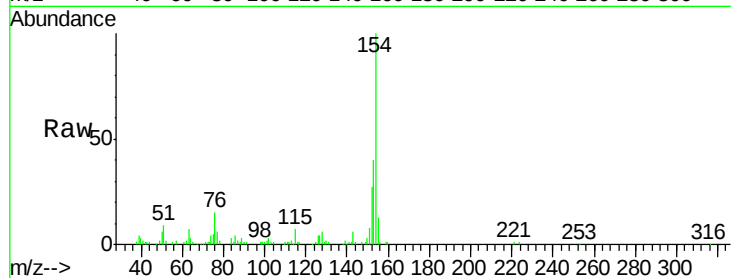




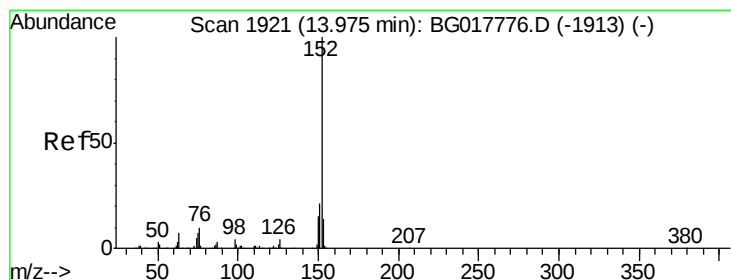
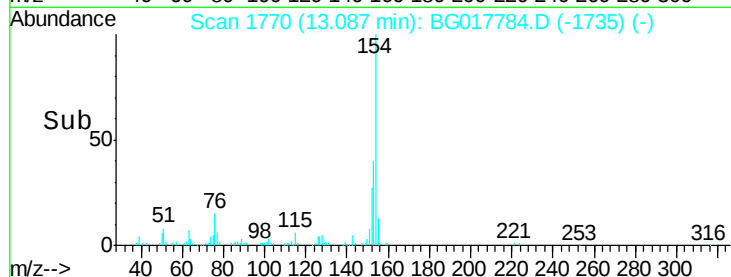
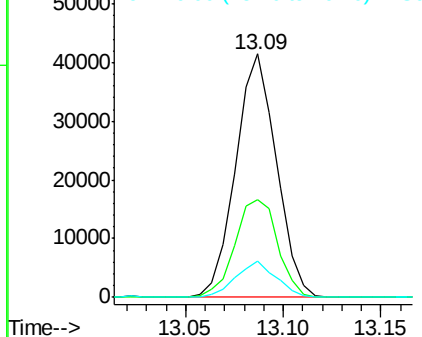
#40
 1,1'-Biphenyl
 Concen: 3.29 ng/ul
 RT: 13.09 min Scan# 1770
 Delta R.T. 0.00 min
 Lab File: BG017784.D
 Acq: 7 Jul 2015 00:16

Instrument :
 BNA_G
 ClientSampleId :
 G93K0

Tgt Ion	Ratio	Lower	Upper
154	100		
153	40.3	33.3	49.9
76	15.0	12.4	18.6

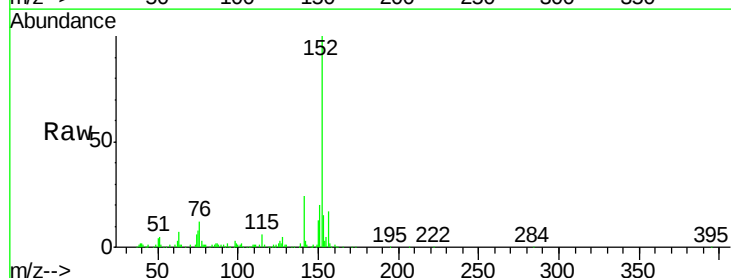


Abundance Ion 154.00 (153.70 to 154.70): E
 Ion 153.00 (152.70 to 153.70): E
 Ion 76.00 (75.70 to 76.70): B

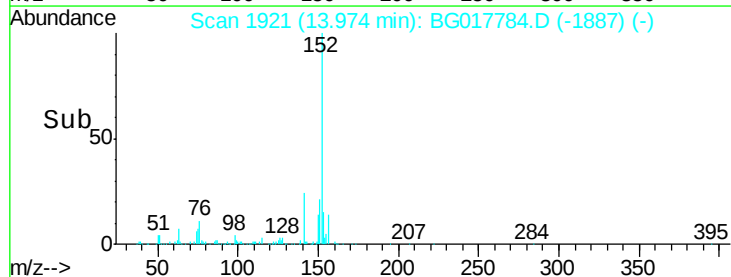
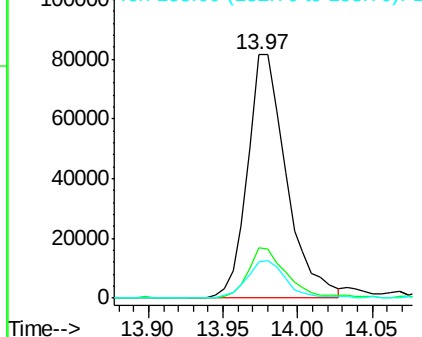


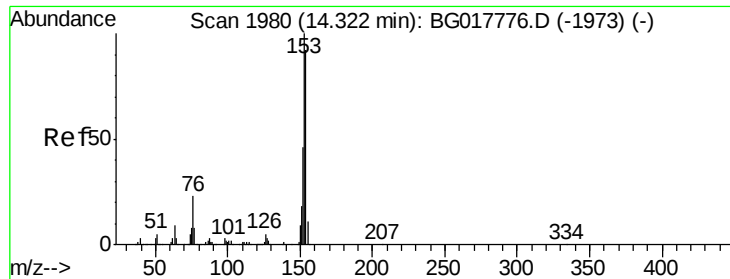
#47
 Acenaphthylene
 Concen: 6.12 ng/ul
 RT: 13.97 min Scan# 1921
 Delta R.T. -0.00 min
 Lab File: BG017784.D
 Acq: 7 Jul 2015 00:16

Tgt Ion	Ratio	Lower	Upper
152	100		
151	20.5	17.0	25.6
153	15.1	11.2	16.8



Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 151.00 (150.70 to 151.70): E
 Ion 153.00 (152.70 to 153.70): E





#49

Acenaphthene

Concen: 13.97 ng/ul

RT: 14.32 min Scan# 1980

Delta R.T. -0.00 min

Lab File: BG017784.D

Acq: 7 Jul 2015 00:16

Instrument :

BNA_G

ClientSampleId :

G93K0

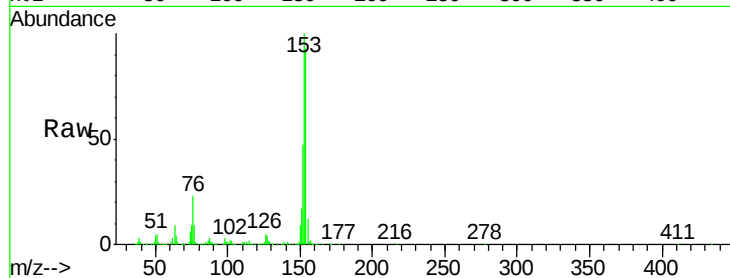
Tgt Ion:153 Resp: 225913

Ion Ratio Lower Upper

153 100

152 46.8 37.8 56.6

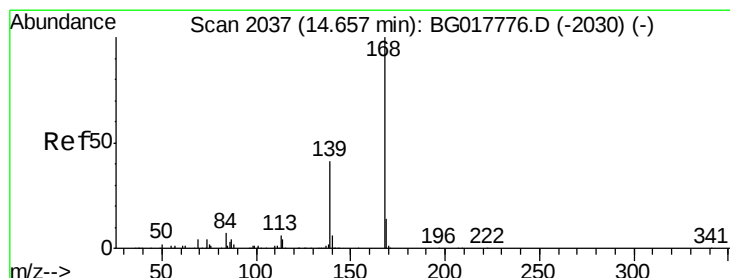
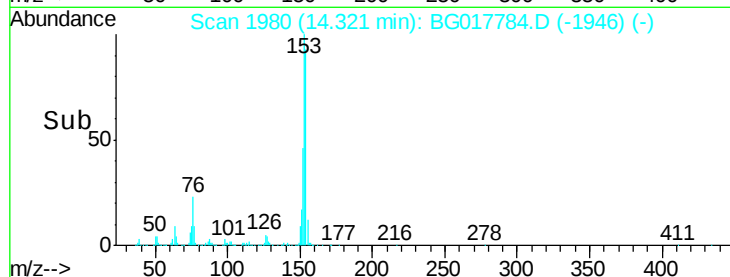
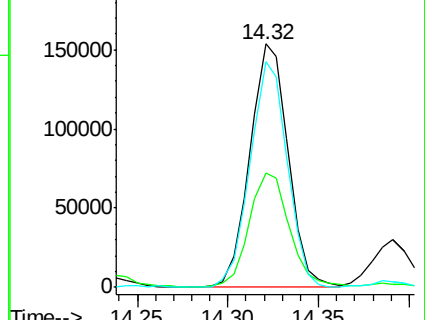
154 92.8 71.2 106.8



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: 19.32 ng/ul

RT: 14.66 min Scan# 2038

Delta R.T. 0.00 min

Lab File: BG017784.D

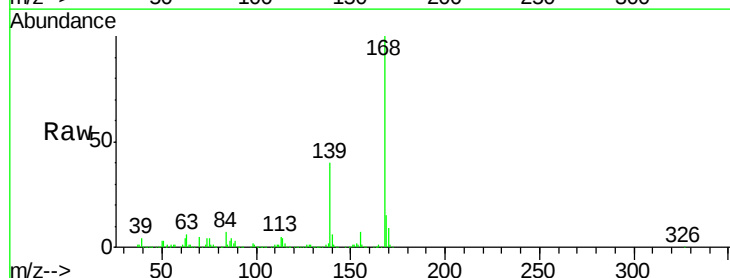
Acq: 7 Jul 2015 00:16

Tgt Ion:168 Resp: 421276

Ion Ratio Lower Upper

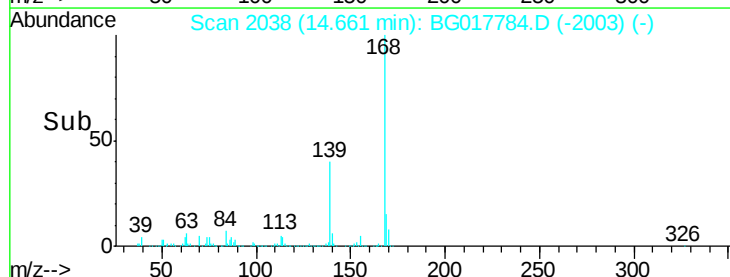
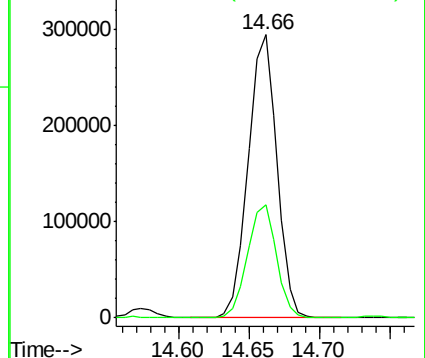
168 100

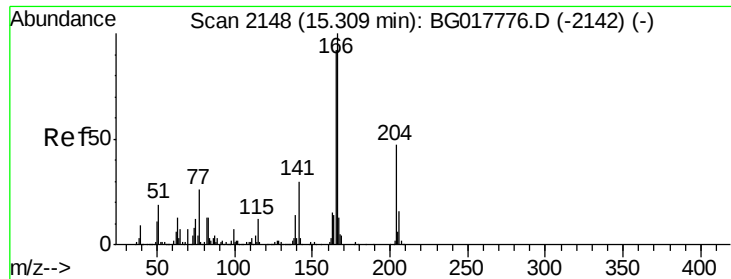
139 40.0 32.7 49.1



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E





#58

Fluorene

Concen: 29.28 ng/ul

RT: 15.31 min Scan# 2149

Delta R.T. 0.00 min

Lab File: BG017784.D

Acq: 7 Jul 2015 00:16

Instrument :

BNA_G

ClientSampleId :

G93K0

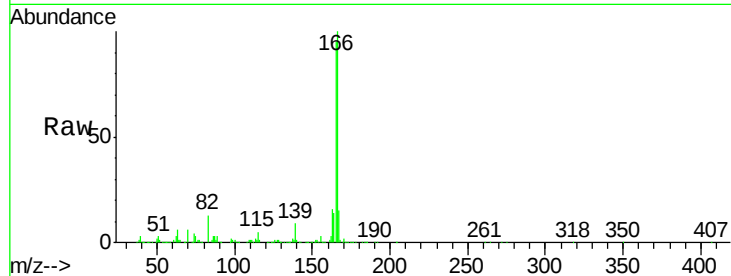
Tgt Ion:166 Resp: 567106

Ion Ratio Lower Upper

166 100

165 94.7 75.7 113.5

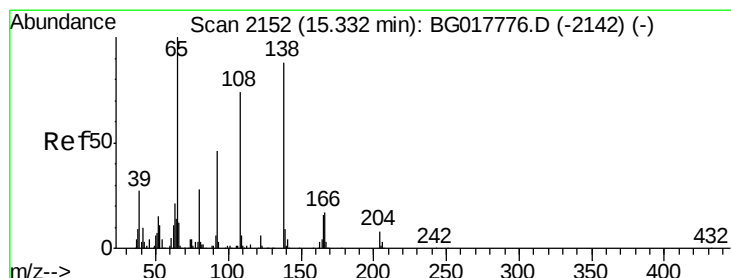
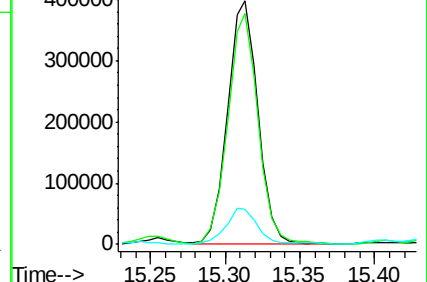
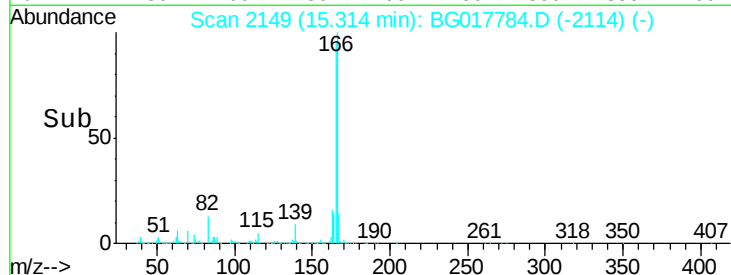
167 14.6 10.1 15.1



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



#60

4-Nitroaniline

Concen: 1.51 ng/ul

RT: 15.31 min Scan# 2148

Delta R.T. -0.02 min

Lab File: BG017784.D

Acq: 7 Jul 2015 00:16

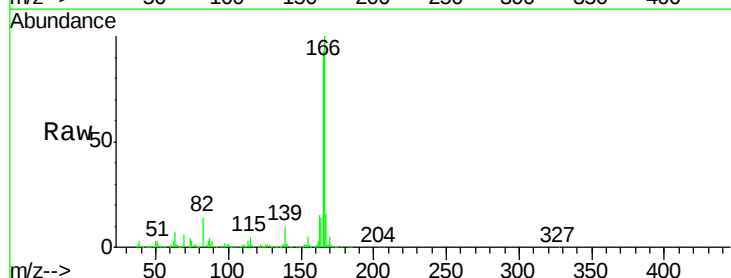
Tgt Ion:138 Resp: 7190

Ion Ratio Lower Upper

138 100

92 4.5 43.4 65.0#

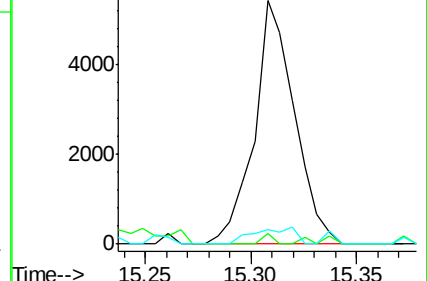
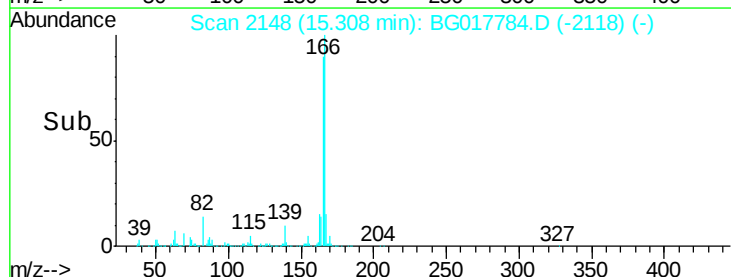
108 6.1 70.8 106.2#

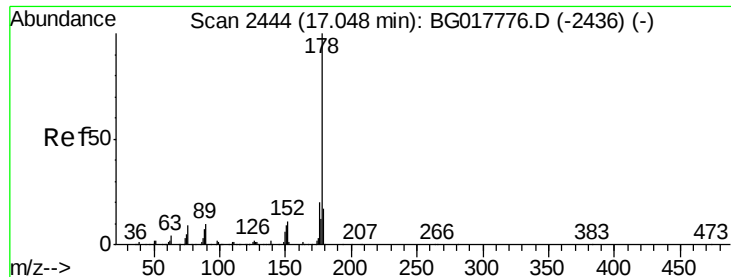


Abundance Ion 138.00 (137.70 to 138.70): E

Ion 92.00 (91.70 to 92.70): BG0

Ion 108.00 (107.70 to 108.70): E





#69

Phenanthrene

Concen: 104.04 ng/ul

RT: 17.06 min Scan# 2446

Delta R.T. 0.01 min

Lab File: BG017784.D

Acq: 7 Jul 2015 00:16

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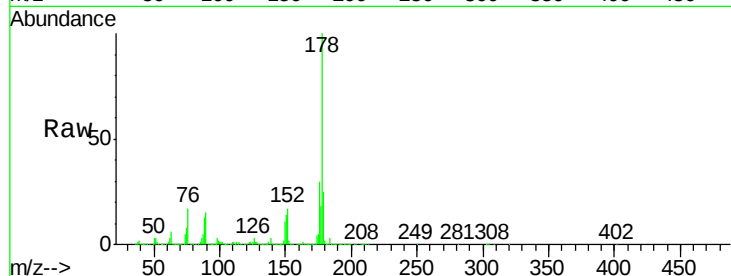
Tgt Ion:178 Resp: 2820507

Ion Ratio Lower Upper

178 100

179 24.9 13.0 19.4#

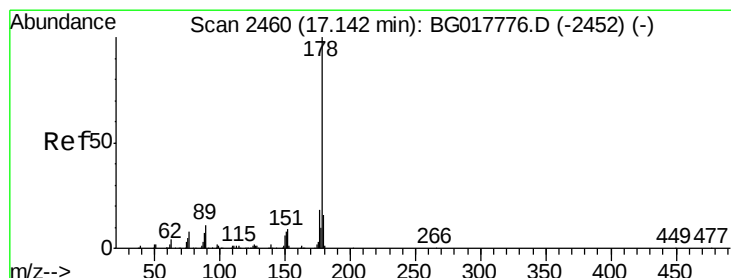
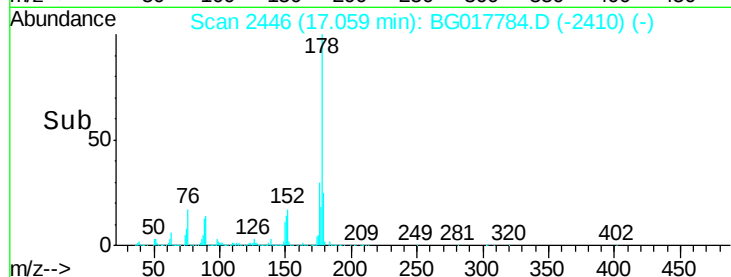
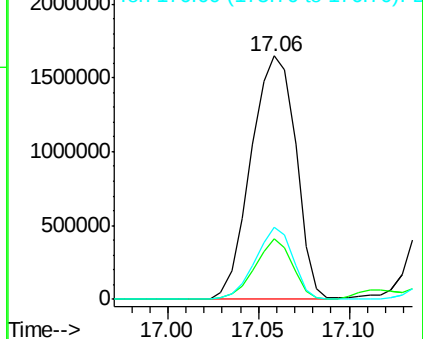
176 29.7 17.0 25.4#



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: 37.96 ng/ul

RT: 17.15 min Scan# 2461

Delta R.T. 0.00 min

Lab File: BG017784.D

Acq: 7 Jul 2015 00:16

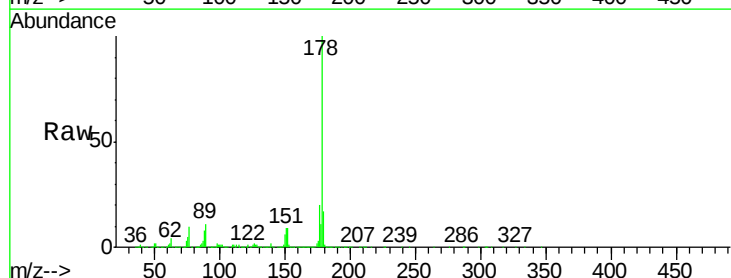
Tgt Ion:178 Resp: 1058371

Ion Ratio Lower Upper

178 100

179 17.2 12.4 18.6

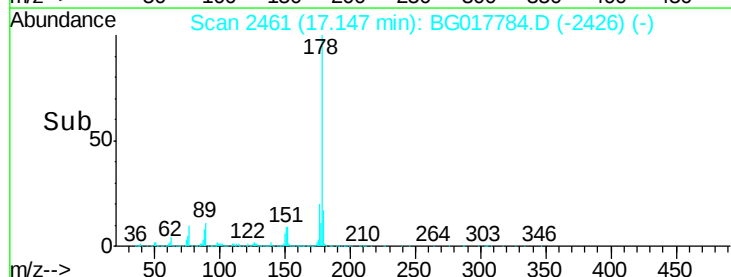
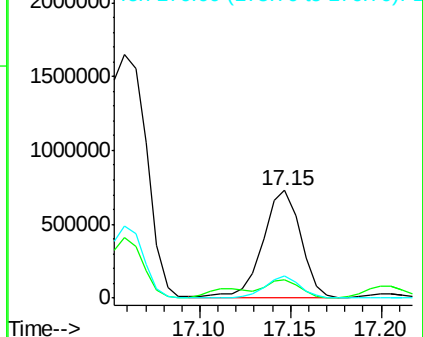
176 20.3 15.3 22.9

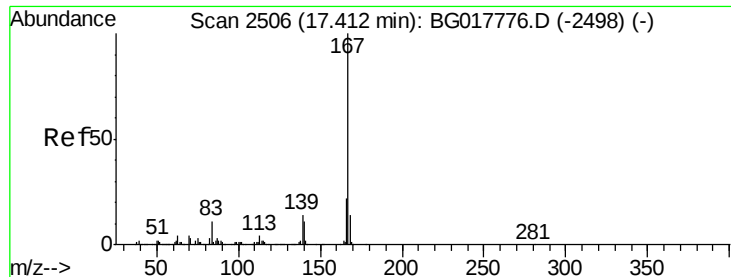


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#74

Carbazole

Concen: 17.69 ng/ul

RT: 17.42 min Scan# 2507

Delta R.T. 0.00 min

Lab File: BG017784.D

Acq: 7 Jul 2015 00:16

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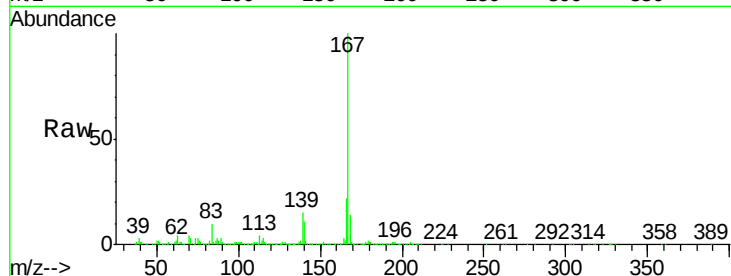
Tgt Ion:167 Resp: 410707

Ion Ratio Lower Upper

167 100

166 21.9 18.0 27.0

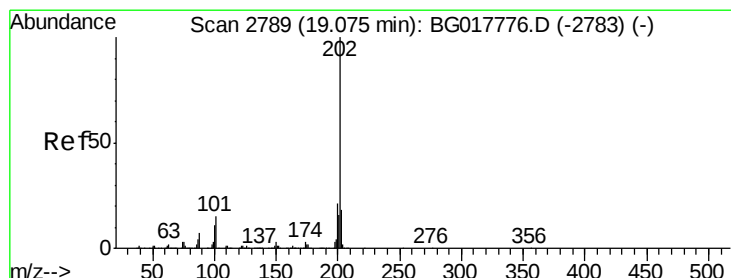
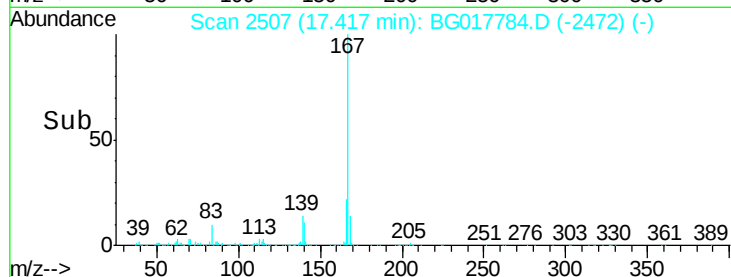
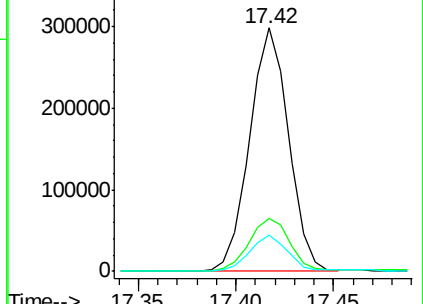
139 14.6 11.4 17.0



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: 85.91 ng/ul

RT: 19.09 min Scan# 2791

Delta R.T. 0.01 min

Lab File: BG017784.D

Acq: 7 Jul 2015 00:16

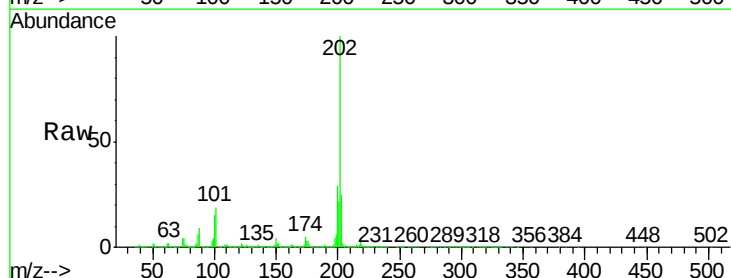
Tgt Ion:202 Resp: 2243997

Ion Ratio Lower Upper

202 100

101 19.1 12.6 18.8#

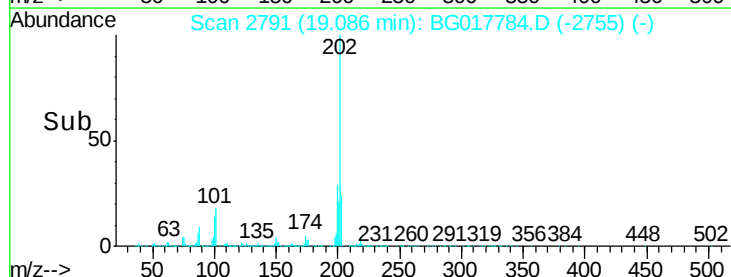
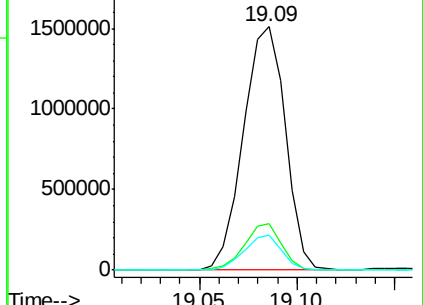
100 14.6 9.1 13.7#

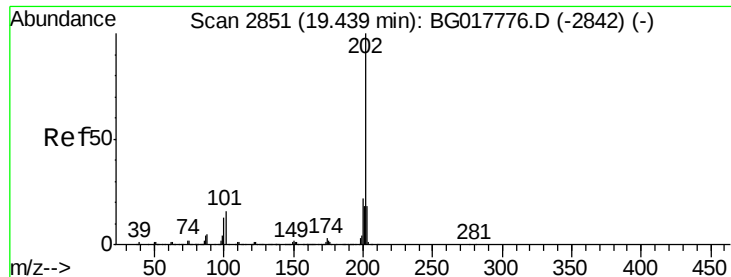


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): E

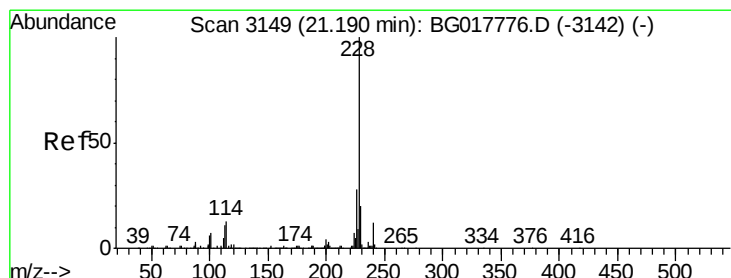
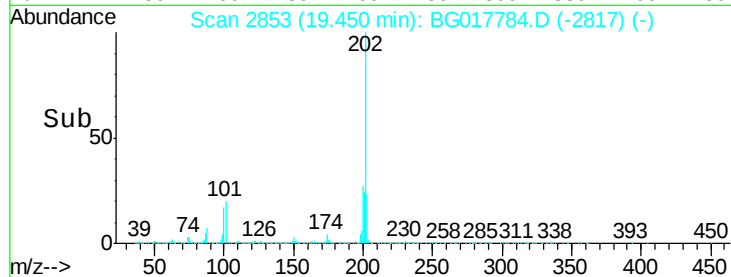
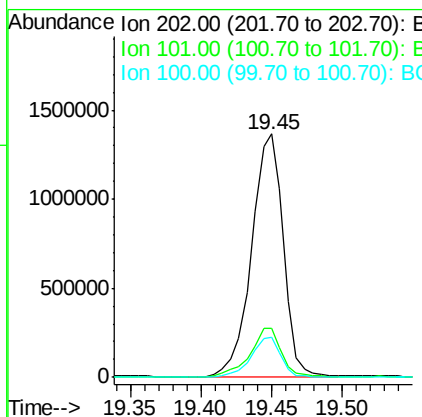
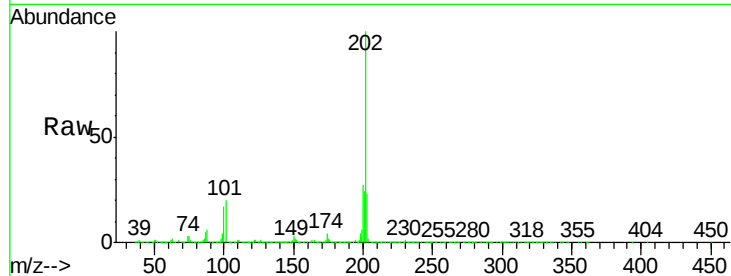




#79
 Pyrene
 Concen: 67.64 ng/ul
 RT: 19.45 min Scan# 2853
 Delta R.T. 0.01 min
 Lab File: BG017784.D
 Acq: 7 Jul 2015 00:16

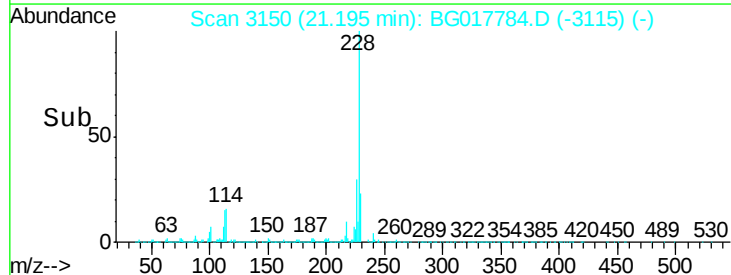
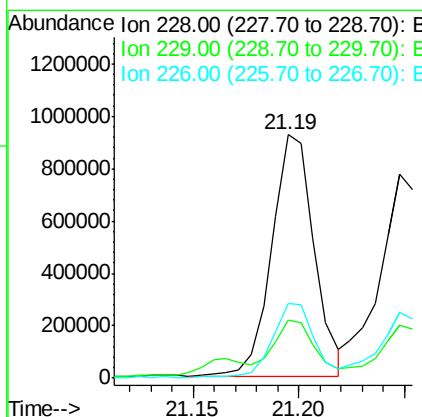
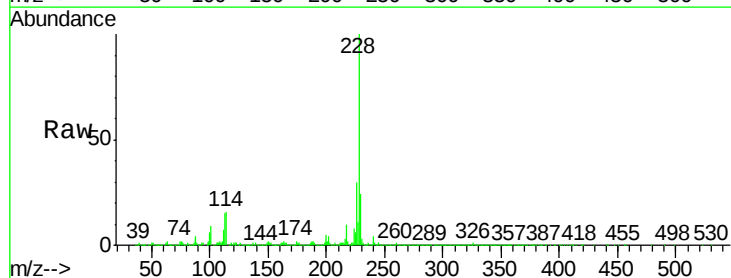
Instrument :
 BNA_G
 ClientSampleId :
 G93K0

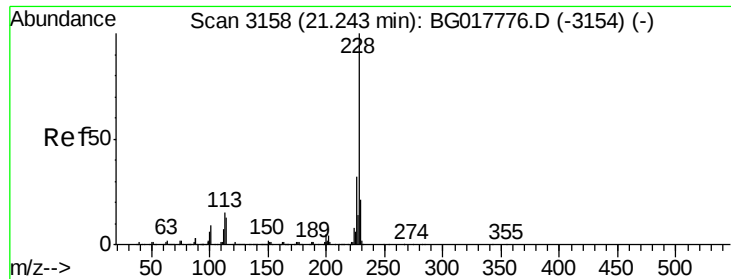
Tgt Ion:202 Resp: 2159900
 Ion Ratio Lower Upper
 202 100
 101 20.1 13.1 19.7#
 100 16.7 11.3 16.9



#82
 Benzo(a)anthracene
 Concen: 44.61 ng/ul
 RT: 21.19 min Scan# 3150
 Delta R.T. 0.00 min
 Lab File: BG017784.D
 Acq: 7 Jul 2015 00:16

Tgt Ion:228 Resp: 1286131
 Ion Ratio Lower Upper
 228 100
 229 23.8 15.8 23.8#
 226 30.4 22.2 33.2

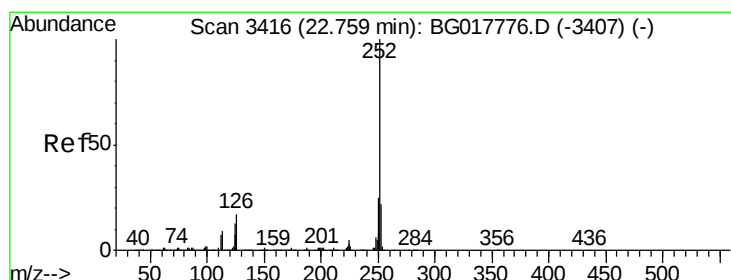
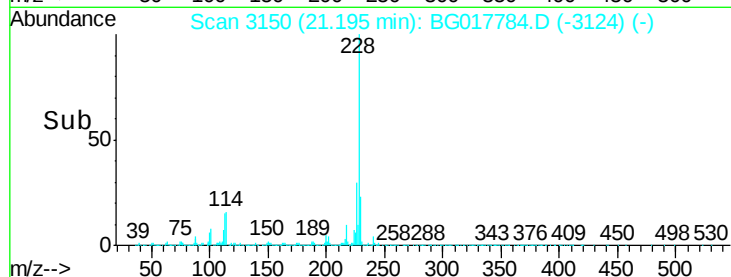
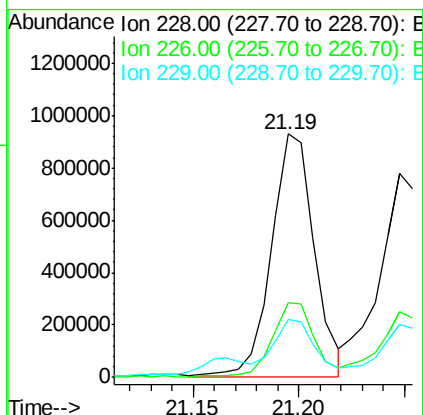
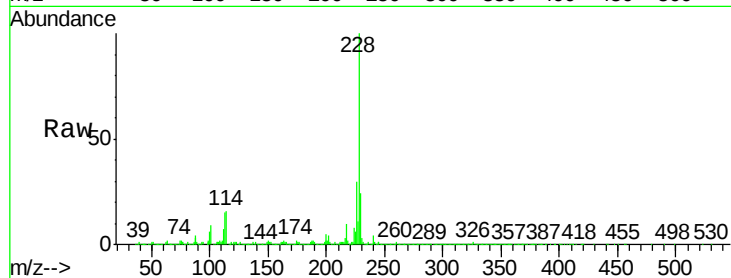




#84
Chrysene
Concen: 47.94 ng/ul
RT: 21.19 min Scan# 3150
Delta R.T. -0.05 min
Lab File: BG017784.D
Acq: 7 Jul 2015 00:16

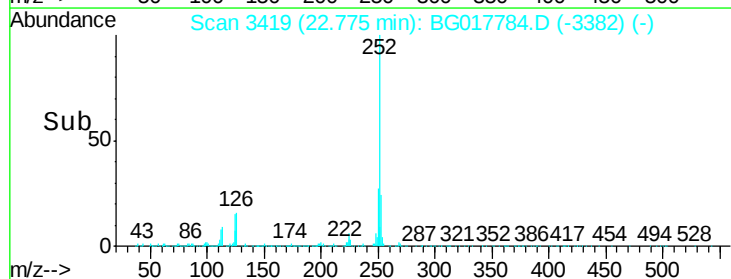
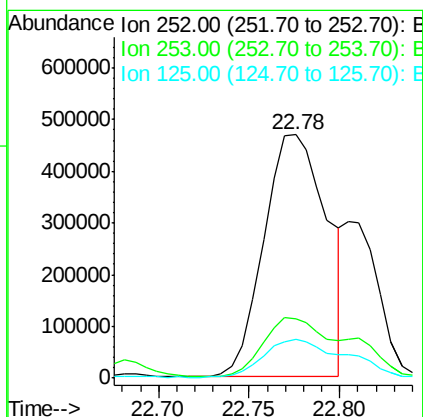
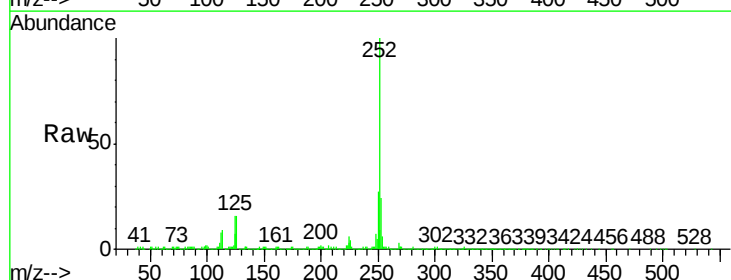
Instrument :
BNA_G
ClientSampleId :
G93K0

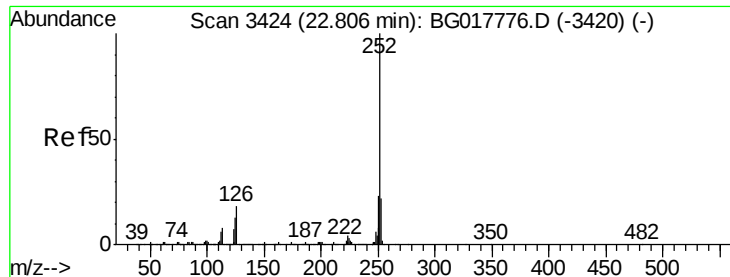
Tgt Ion:228 Resp: 1309351
Ion Ratio Lower Upper
228 100
226 30.4 25.6 38.4
229 23.8 16.4 24.6



#87
Benzo(b)fluoranthene
Concen: 37.80 ng/ul
RT: 22.78 min Scan# 3419
Delta R.T. 0.02 min
Lab File: BG017784.D
Acq: 7 Jul 2015 00:16

Tgt Ion:252 Resp: 1135732
Ion Ratio Lower Upper
252 100
253 24.4 16.8 25.2
125 15.9 10.4 15.6#





#88

Benzo(k)fluoranthene

Concen: 10.59 ng/ul

RT: 22.78 min Scan# 3419

Delta R.T. -0.03 min

Lab File: BG017784.D

Acq: 7 Jul 2015 00:16

Instrument :

BNA_G

ClientSampleId :

G93K0

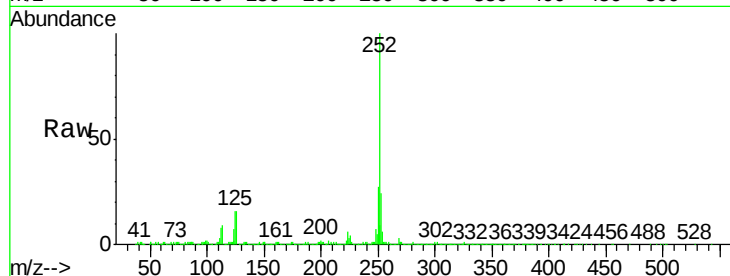
Tgt Ion:252 Resp: 299996

Ion Ratio Lower Upper

252 100

253 24.4 17.6 26.4

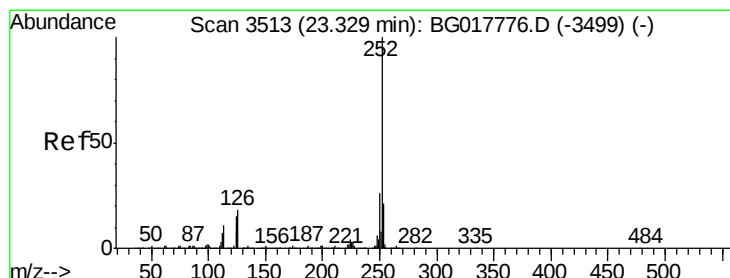
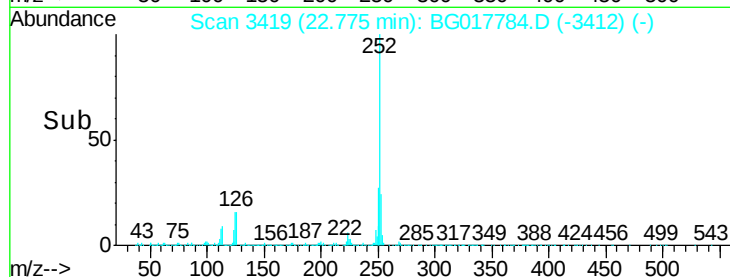
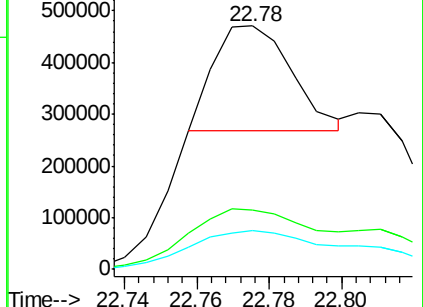
125 15.9 11.6 17.4



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



#90

Benzo(a)pyrene

Concen: 31.70 ng/ul

RT: 23.34 min Scan# 3515

Delta R.T. 0.01 min

Lab File: BG017784.D

Acq: 7 Jul 2015 00:16

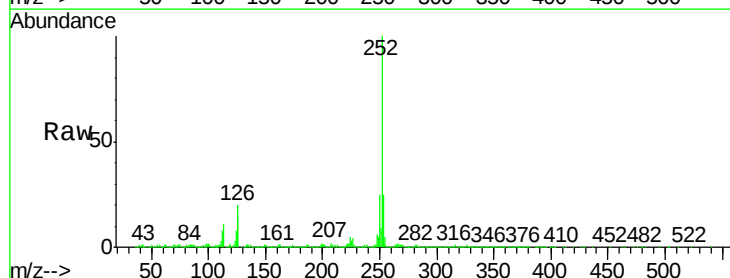
Tgt Ion:252 Resp: 905151

Ion Ratio Lower Upper

252 100

253 25.2 18.3 27.5

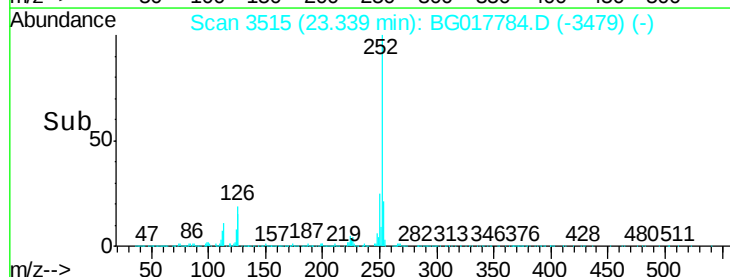
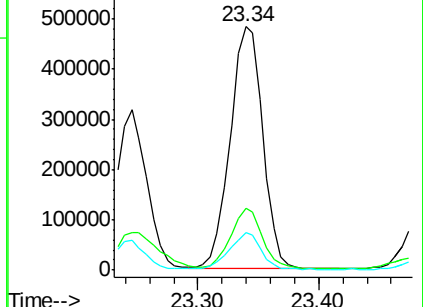
125 15.3 12.1 18.1

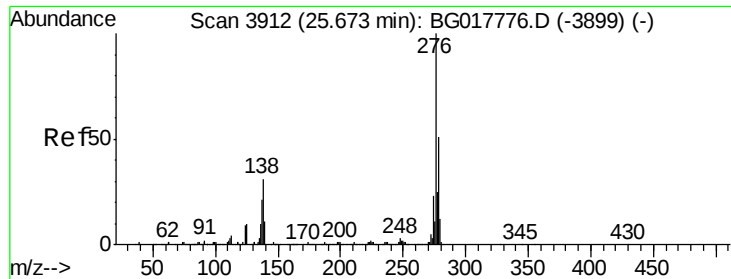


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#91

Indeno(1,2,3-cd)pyrene

Concen: 12.78 ng/ul

RT: 25.70 min Scan# 3916

Delta R.T. 0.02 min

Lab File: BG017784.D

Acq: 7 Jul 2015 00:16

Instrument :

BNA_G

ClientSampleId :

G93K0

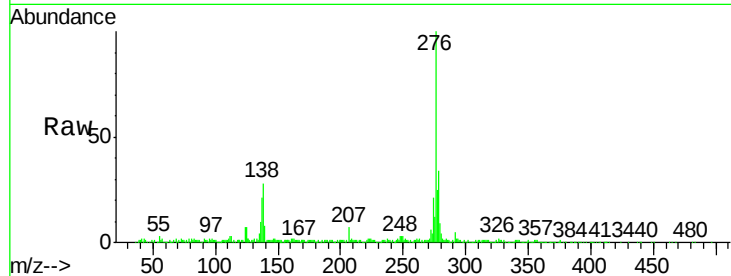
Tgt Ion:276 Resp: 398441

Ion Ratio Lower Upper

276 100

138 27.9 26.1 39.1

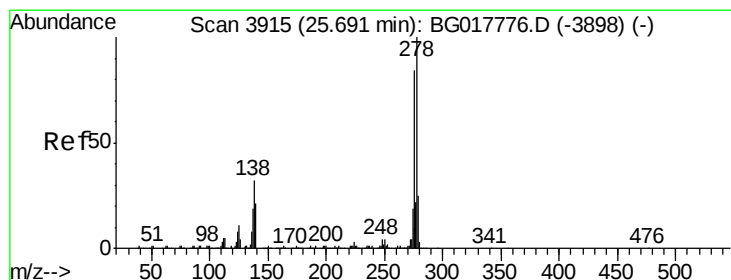
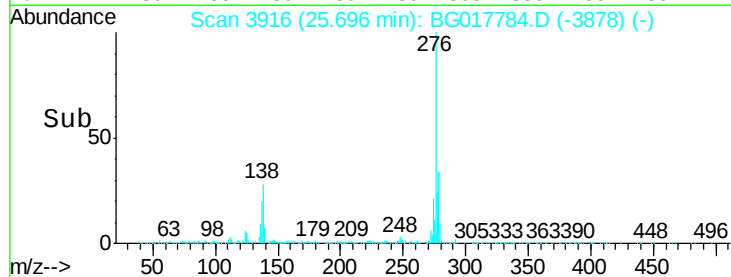
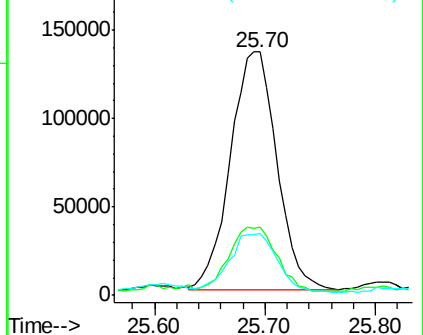
277 25.1 20.9 31.3



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



#92

Dibenzo(a,h)anthracene

Concen: 5.62 ng/ul

RT: 25.70 min Scan# 3917

Delta R.T. 0.01 min

Lab File: BG017784.D

Acq: 7 Jul 2015 00:16

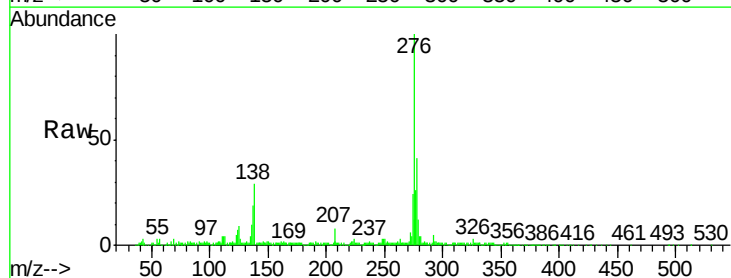
Tgt Ion:278 Resp: 148073

Ion Ratio Lower Upper

278 100

139 0.0 16.3 24.5#

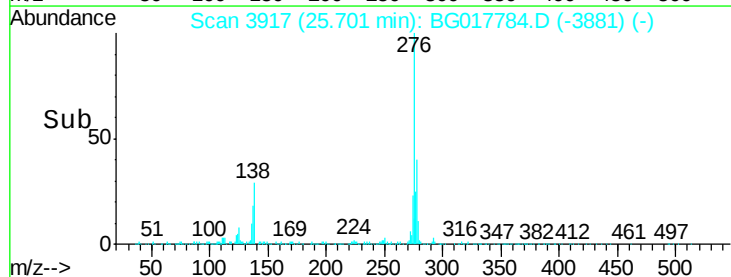
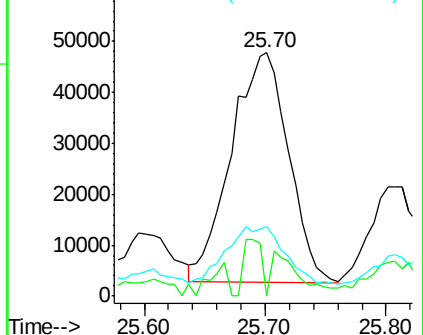
279 28.5 18.7 28.1#

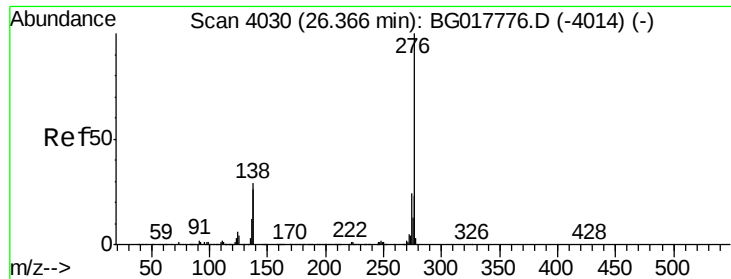


Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E





#93

Benzo(g,h,i)perylene

Concen: 12.79 ng/ul

RT: 26.38 min Scan# 4033

Delta R.T. 0.02 min

Lab File: BG017784.D

Acq: 7 Jul 2015 00:16

Instrument :

BNA_G

ClientSampleId :

G93K0

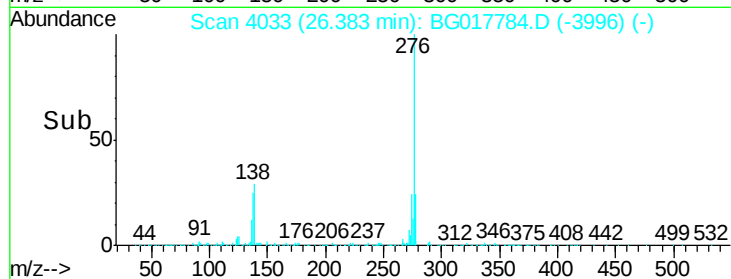
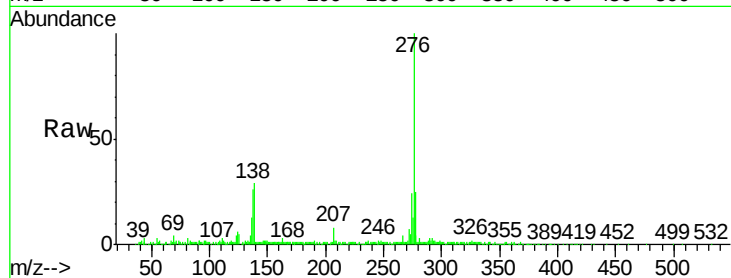
Tgt Ion: 276 Resp: 333678

Ion Ratio Lower Upper

276 100

138 29.3 25.1 37.7

277 25.2 18.7 28.1



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

