

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG070615\
 Data File : BG017777.D
 Acq On : 6 Jul 2015 20:08
 Operator : TP/UM
 Sample : G2860-04
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Jul 07 11:26:35 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	7.61	152	175751	20.00	ng/ul	0.00
18) Naphthalene-d8	10.38	136	861117	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.26	164	553260	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.01	188	1123218	20.00	ng/ul	0.00
77) Chrysene-d12	21.21	240	1243062	20.00	ng/ul	0.00
85) Perylene-d12	23.45	264	1290744	20.00	ng/ul	0.02

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.13	96	7378	1.66	ng/uL	0.00
5) Phenol-d5	6.78	99	160888	10.84	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	6.95	67	105899	11.91	ng/ul	0.00
9) 2-Chlorophenol-d4	7.14	132	130173	10.25	ng/ul	0.00
13) 4-Methylphenol-d8	8.31	113	103923	8.56	ng/ul	0.00
19) Nitrobenzene-d5	8.76	128	69959	10.86	ng/ul	0.00
22) 2-Nitrophenol-d4	9.47	143	74193	11.53	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.00	165	121652	9.90	ng/ul	0.00
29) 4-Chloroaniline-d4	10.53	131	103608	6.21	ng/ul	0.00
43) Dimethylphthalate-d6	13.67	166	378497	10.34	ng/ul	0.00
46) Acenaphthylene-d8	13.95	160	448253	9.08	ng/ul	0.00
51) 4-Nitrophenol-d4	14.46	143	58814	8.01	ng/ul	0.00
57) Fluorene-d10	15.26	176	319451	8.55	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.37	200	36271	6.96	ng/ul	0.00
70) Anthracene-d10	17.11	188	478186	9.34	ng/ul	0.00
78) Pyrene-d10	19.42	212	446545	7.56	ng/ul	0.00
89) Benzo(a)pyrene-d12	23.30	264	408053	7.18	ng/ul	0.02

Target Compounds

					Qvalue
6) Phenol	6.80	94	16686	1.05 ng/ul	94
14) Acetophenone	8.42	105	121180	6.77 ng/ul	97
28) Naphthalene	10.43	128	196623	4.41 ng/ul	96
34) 2-Methylnaphthalene	12.05	142	48456	1.53 ng/ul	94
44) Dimethylphthalate	13.72	163	116170	2.86 ng/ul	99
47) Acenaphthylene	13.97	152	118259	2.19 ng/ul	98
49) Acenaphthene	14.32	153	144519	3.98 ng/ul	98
53) Dibenzofuran	14.66	168	144233	2.94 ng/ul	96
58) Fluorene	15.31	166	177969	4.09 ng/ul	98
69) Phenanthrene	17.06	178	2628655	42.82 ng/ul#	83
71) Anthracene	17.14	178	604694	9.58 ng/ul	97
74) Carbazole	17.41	167	220326	4.19 ng/ul	98
76) Fluoranthene	19.09	202	3405809m	57.58 ng/ul	
79) Pyrene	19.45	202	3469235	45.73 ng/ul#	67
82) Benzo(a)anthracene	21.20	228	2060016	30.08 ng/ul#	84
84) Chrysene	21.25	228	2080227	32.07 ng/ul#	87
87) Benzo(b)fluoranthene	22.78	252	2708479	36.71 ng/ul#	89
88) Benzo(k)fluoranthene	22.81	252	876154m	12.60 ng/ul	
90) Benzo(a)pyrene	23.35	252	1919320	27.37 ng/ul	96
91) Indeno(1,2,3-cd)pyrene	25.71	276	1337871	17.48 ng/ul	96
92) Dibenzo(a,h)anthracene	25.71	278	323911m	5.01 ng/ul	
93) Benzo(g,h,i)perylene	26.39	276	624907	9.76 ng/ul	96

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

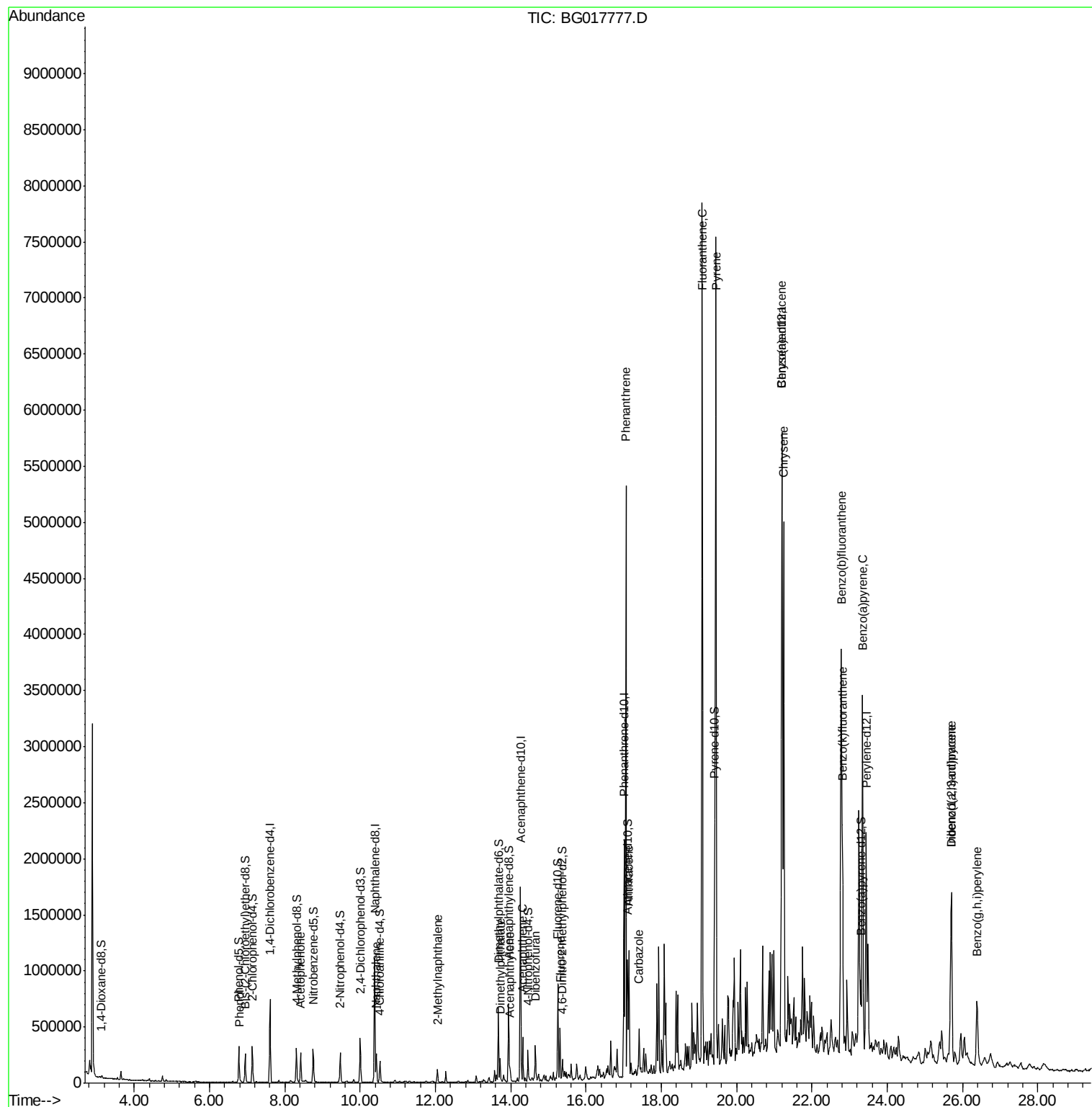
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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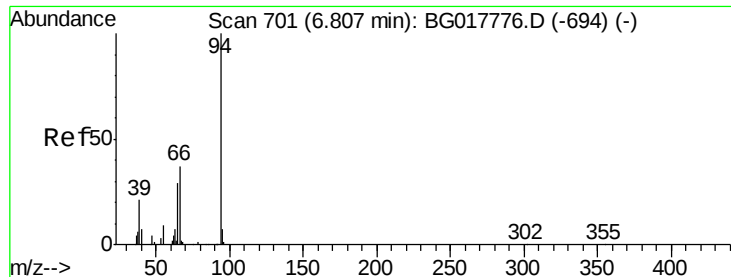
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#6

Phenol

Concen: 1.05 ng/ul

RT: 6.80 min Scan# 700

Delta R.T. -0.01 min

Lab File: BG017777.D

Acq: 6 Jul 2015 20:08

Instrument :

BNA_G

ClientSampleId :

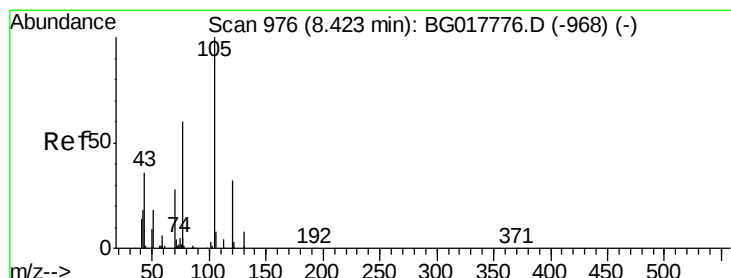
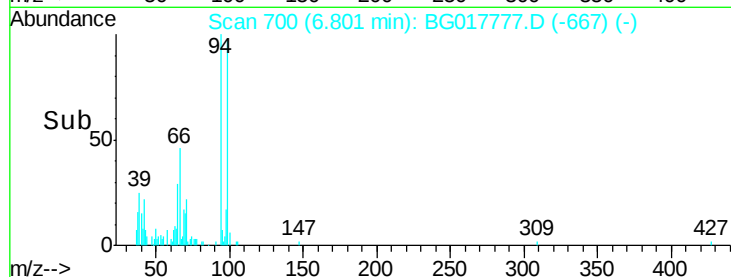
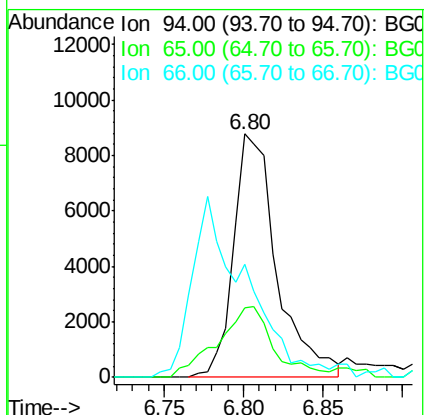
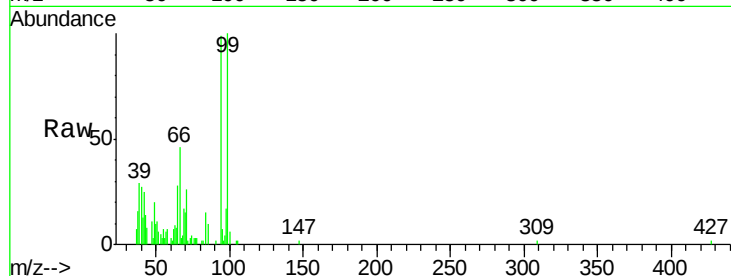
Tgt Ion: 94 Resp: 16686

Ion Ratio Lower Upper

94 100

65 28.5 24.2 36.4

66 46.4 33.4 50.2



#14

Acetophenone

Concen: 6.77 ng/ul

RT: 8.42 min Scan# 976

Delta R.T. -0.00 min

Lab File: BG017777.D

Acq: 6 Jul 2015 20:08

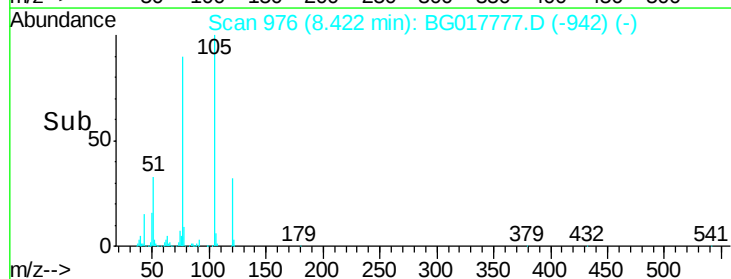
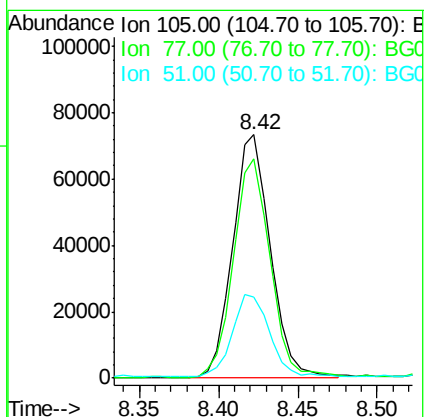
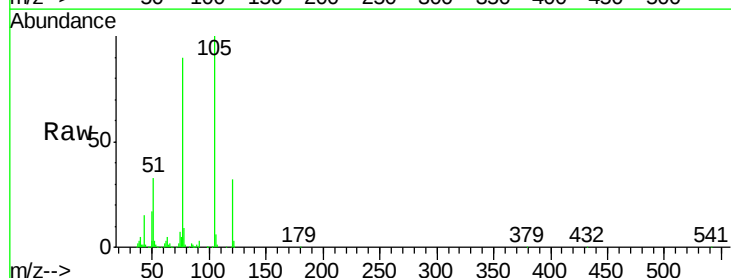
Tgt Ion: 105 Resp: 121180

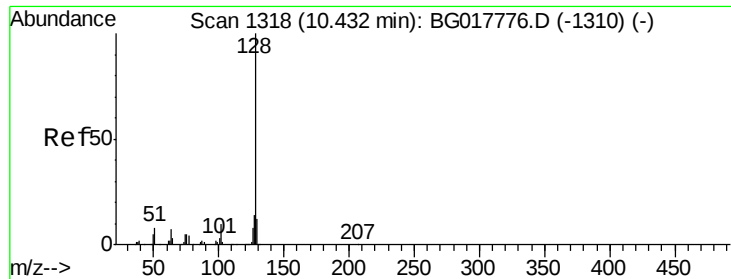
Ion Ratio Lower Upper

105 100

77 90.0 69.5 104.3

51 33.2 26.7 40.1

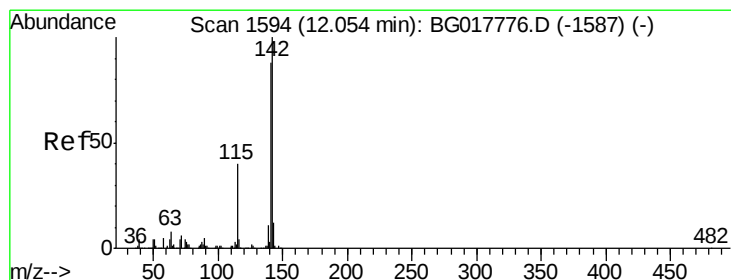
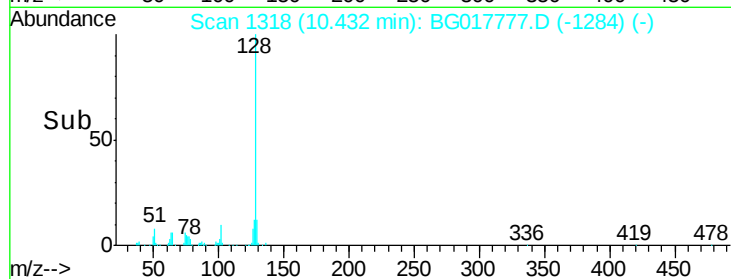
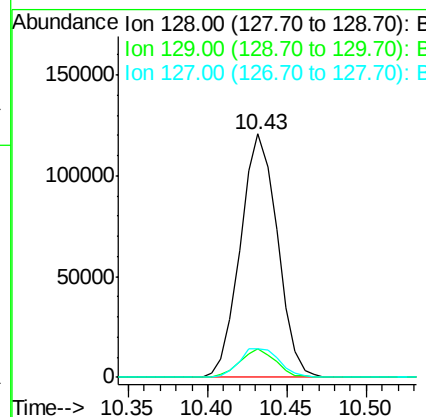
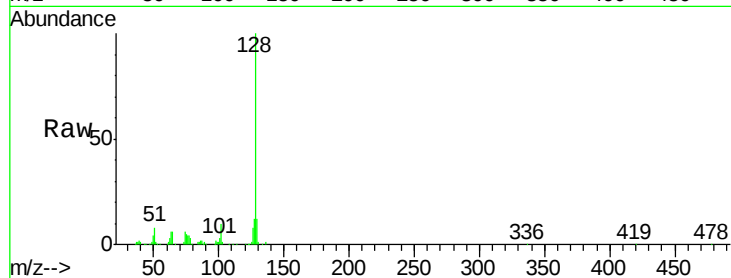




#28
Naphthalene
Concen: 4.41 ng/ul
RT: 10.43 min Scan# 1318
Delta R.T. -0.00 min
Lab File: BG017777.D
Acq: 6 Jul 2015 20:08

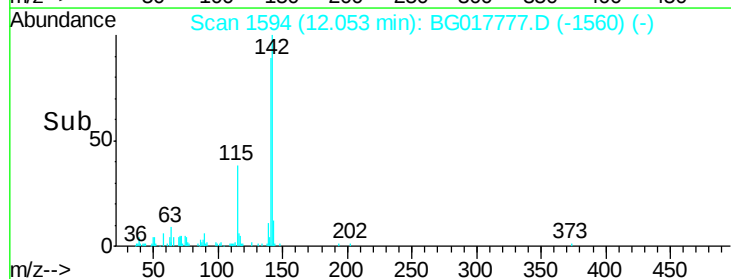
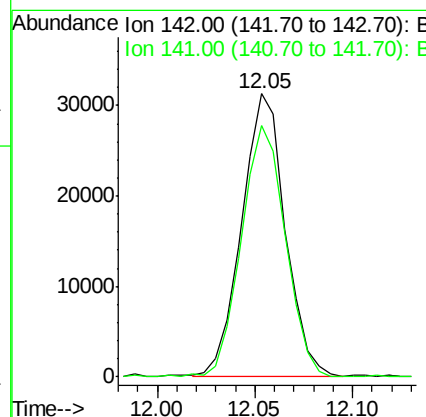
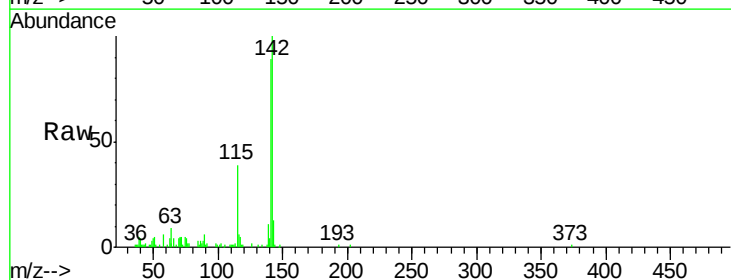
Instrument :
BNA_G
ClientSampleId :

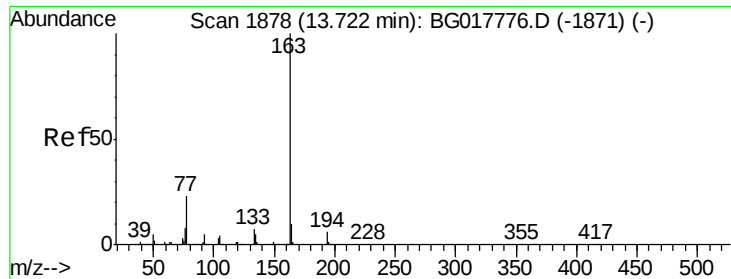
Tgt Ion:128 Resp: 196623
Ion Ratio Lower Upper
128 100
129 11.8 8.7 13.1
127 11.8 11.0 16.6



#34
2-Methylnaphthalene
Concen: 1.53 ng/ul
RT: 12.05 min Scan# 1594
Delta R.T. -0.00 min
Lab File: BG017777.D
Acq: 6 Jul 2015 20:08

Tgt Ion:142 Resp: 48456
Ion Ratio Lower Upper
142 100
141 88.9 66.6 100.0

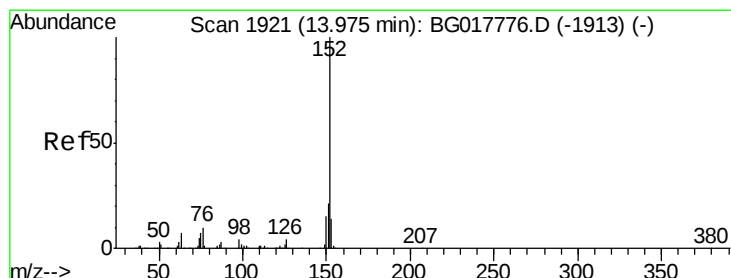
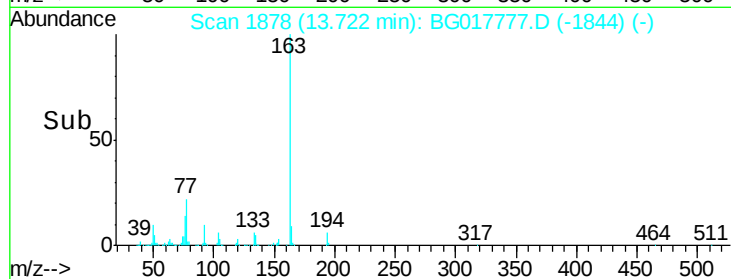
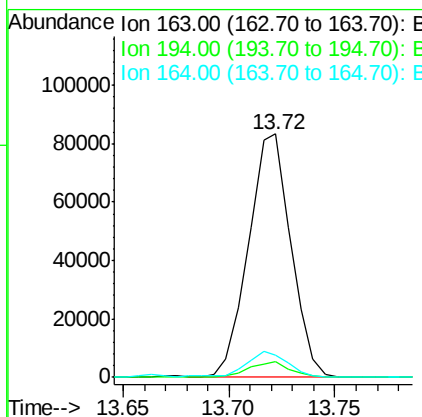
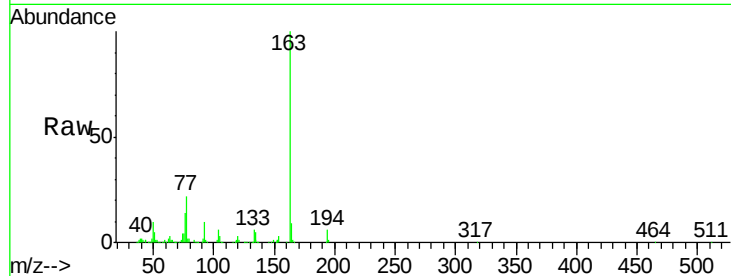




#44
Dimethylphthalate
Concen: 2.86 ng/ul
RT: 13.72 min Scan# 1878
Delta R.T. -0.00 min
Lab File: BG017777.D
Acq: 6 Jul 2015 20:08

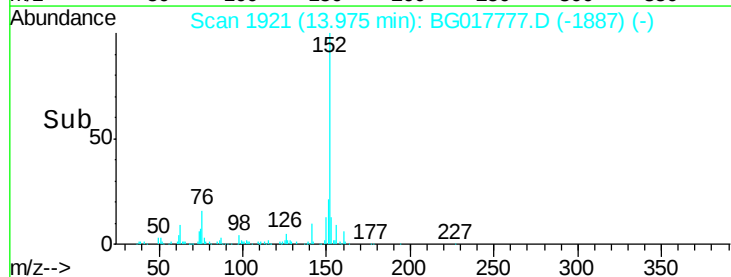
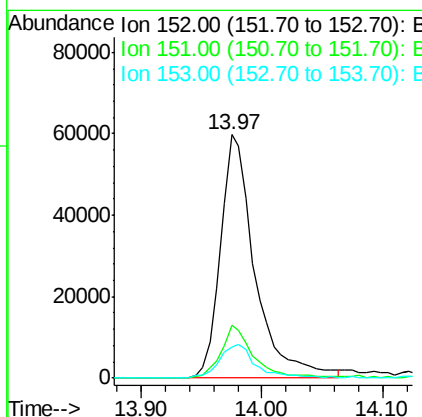
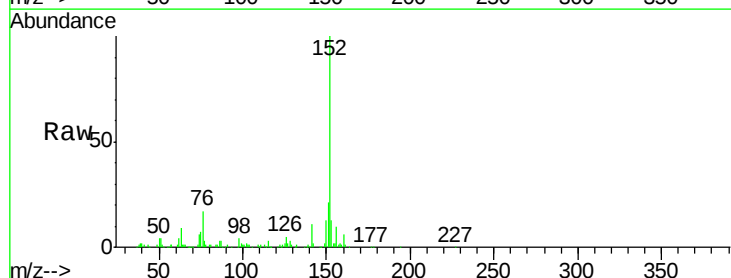
Instrument :
BNA_G
ClientSampled :

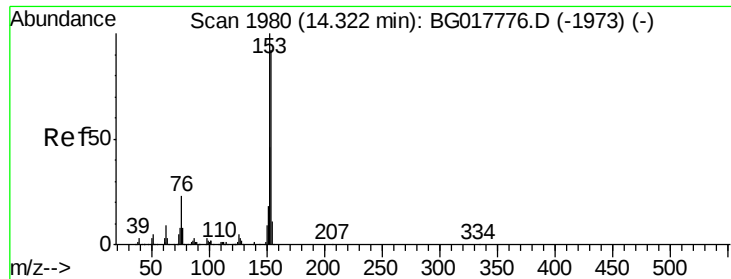
Tgt Ion:163 Resp: 116170
Ion Ratio Lower Upper
163 100
194 6.5 5.4 8.0
164 9.2 7.7 11.5



#47
Acenaphthylene
Concen: 2.19 ng/ul
RT: 13.97 min Scan# 1921
Delta R.T. -0.00 min
Lab File: BG017777.D
Acq: 6 Jul 2015 20:08

Tgt Ion:152 Resp: 118259
Ion Ratio Lower Upper
152 100
151 21.5 17.0 25.6
153 12.7 11.2 16.8





#49

Acenaphthene

Concen: 3.98 ng/ul

RT: 14.32 min Scan# 1980

Delta R.T. -0.00 min

Lab File: BG017777.D

Acq: 6 Jul 2015 20:08

Instrument :

BNA_G

ClientSampleId :

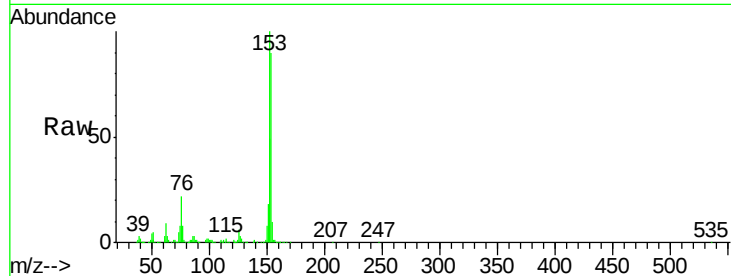
Tgt Ion:153 Resp: 144519

Ion Ratio Lower Upper

153 100

152 49.0 37.8 56.6

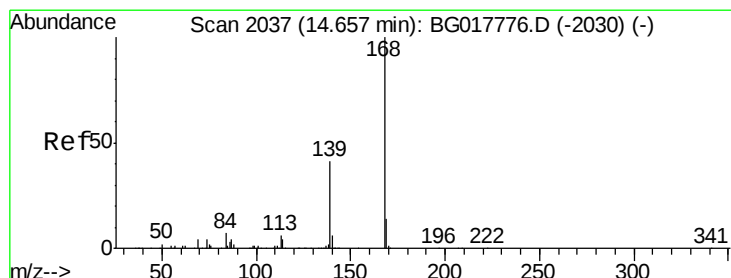
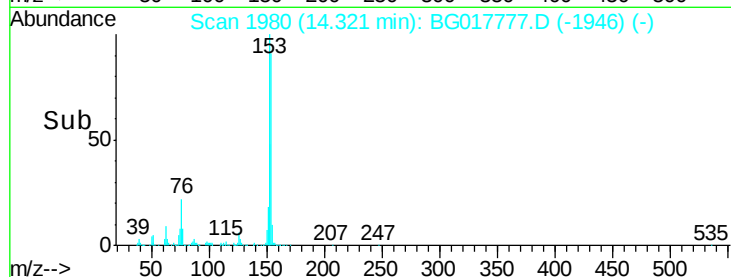
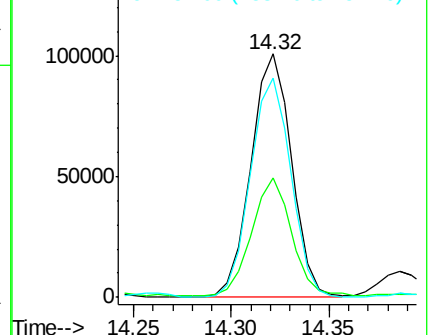
154 90.2 71.2 106.8



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: 2.94 ng/ul

RT: 14.66 min Scan# 2037

Delta R.T. -0.00 min

Lab File: BG017777.D

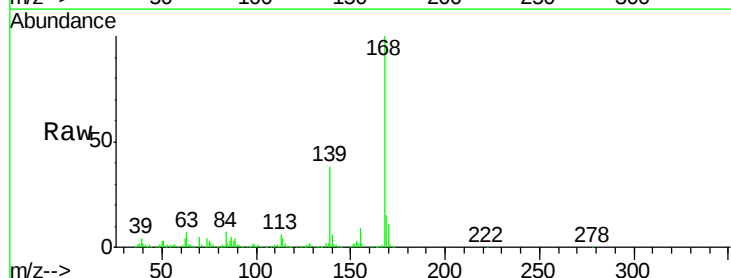
Acq: 6 Jul 2015 20:08

Tgt Ion:168 Resp: 144233

Ion Ratio Lower Upper

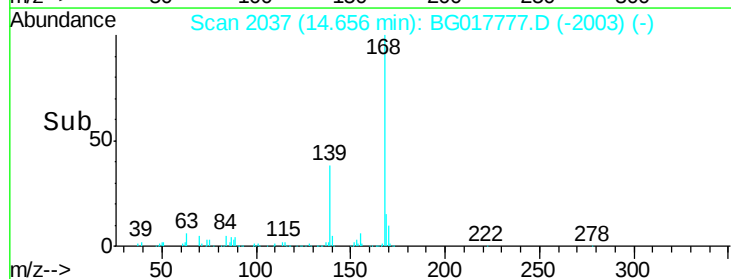
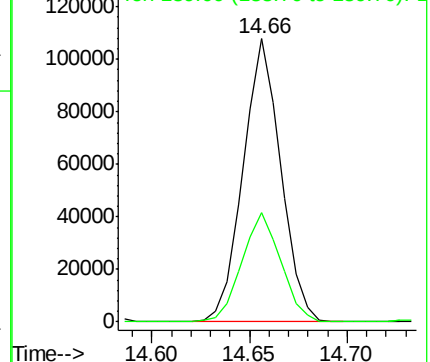
168 100

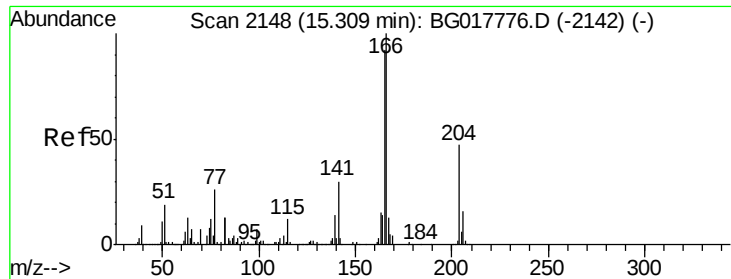
139 38.5 32.7 49.1



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E





#58

Fluorene

Concen: 4.09 ng/ul

RT: 15.31 min Scan# 2148

Delta R.T. -0.00 min

Lab File: BG017777.D

Acq: 6 Jul 2015 20:08

Instrument :

BNA_G

ClientSampleId :

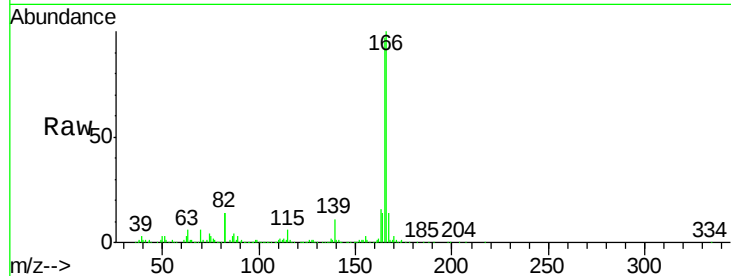
Tgt Ion:166 Resp: 177969

Ion Ratio Lower Upper

166 100

165 96.6 75.7 113.5

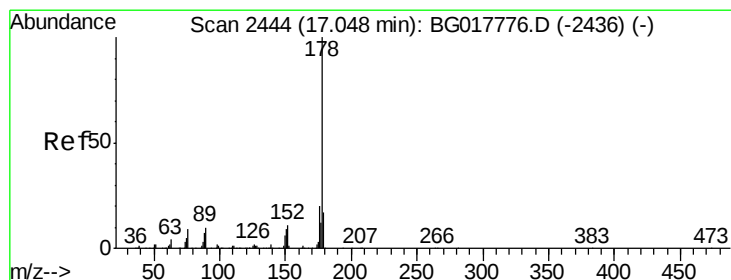
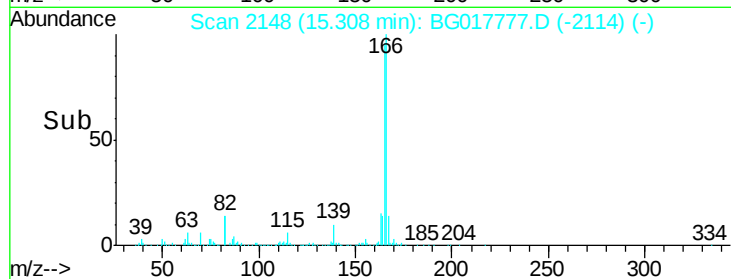
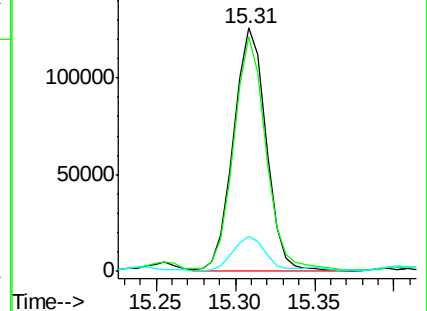
167 14.3 10.1 15.1



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: 42.82 ng/ul

RT: 17.06 min Scan# 2446

Delta R.T. 0.01 min

Lab File: BG017777.D

Acq: 6 Jul 2015 20:08

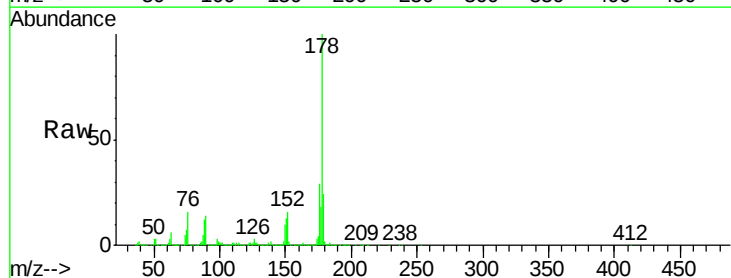
Tgt Ion:178 Resp: 2628655

Ion Ratio Lower Upper

178 100

179 23.6 13.0 19.4#

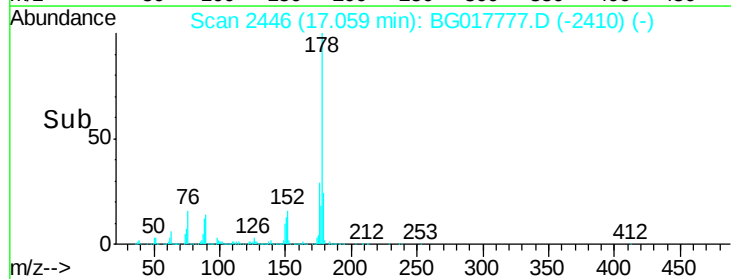
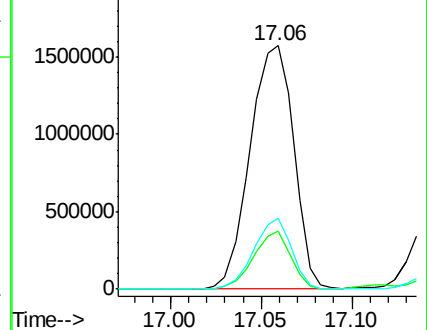
176 28.9 17.0 25.4#

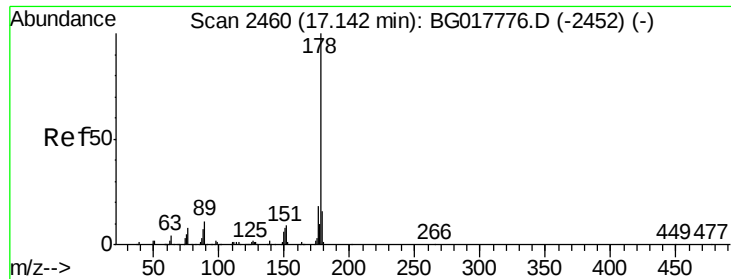


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E

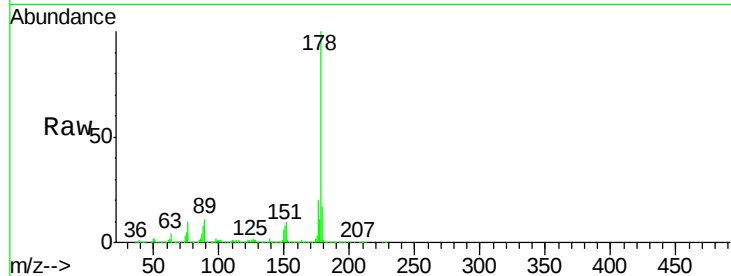




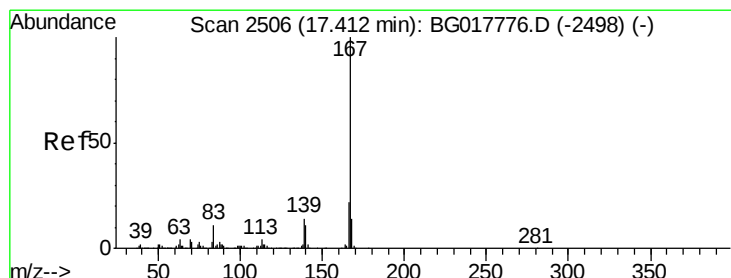
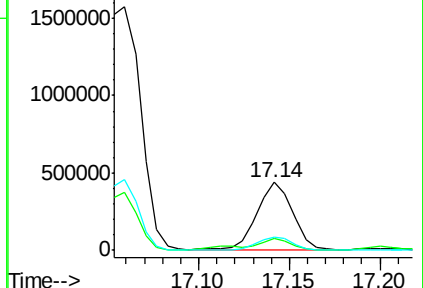
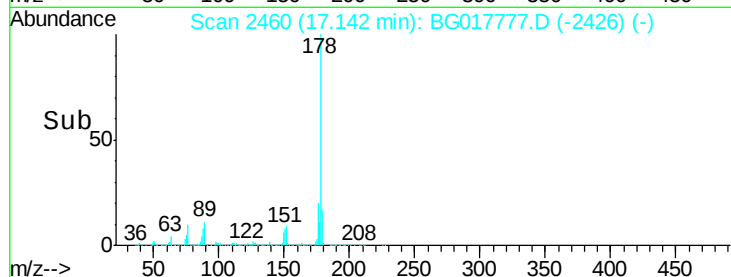
#71
 Anthracene
 Concen: 9.58 ng/ul
 RT: 17.14 min Scan# 2460
 Delta R.T. -0.00 min
 Lab File: BG017777.D
 Acq: 6 Jul 2015 20:08

Instrument :
 BNA_G
 ClientSampleId :

Tgt Ion:178 Resp: 604694
 Ion Ratio Lower Upper
 178 100
 179 16.7 12.4 18.6
 176 20.3 15.3 22.9

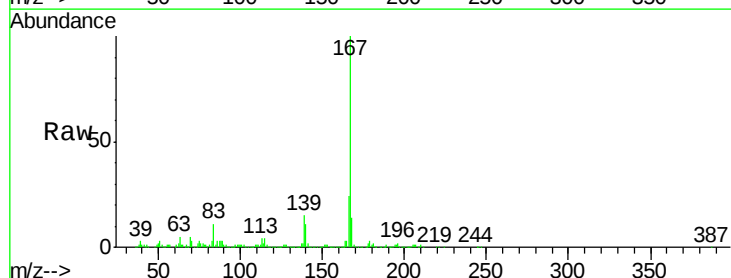


Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 179.00 (178.70 to 179.70): E
 Ion 176.00 (175.70 to 176.70): E

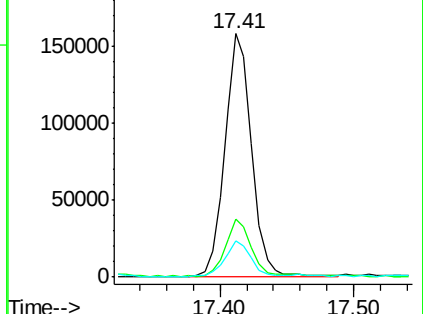
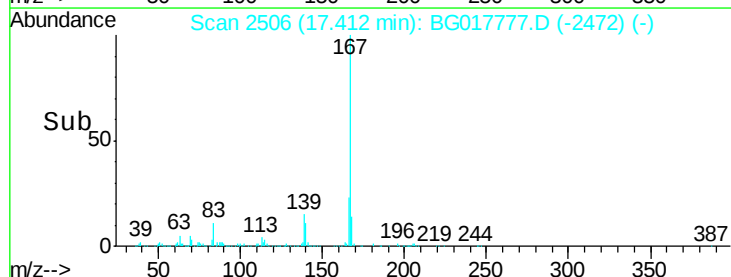


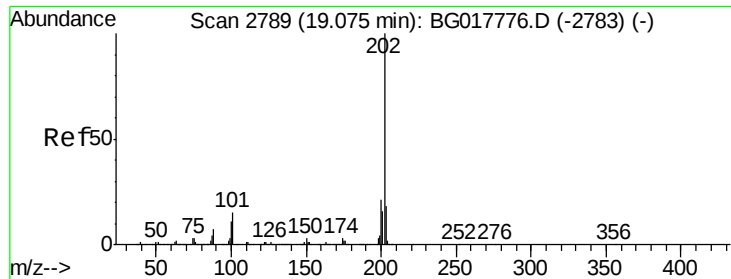
#74
 Carbazole
 Concen: 4.19 ng/ul
 RT: 17.41 min Scan# 2506
 Delta R.T. -0.00 min
 Lab File: BG017777.D
 Acq: 6 Jul 2015 20:08

Tgt Ion:167 Resp: 220326
 Ion Ratio Lower Upper
 167 100
 166 23.7 18.0 27.0
 139 15.1 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

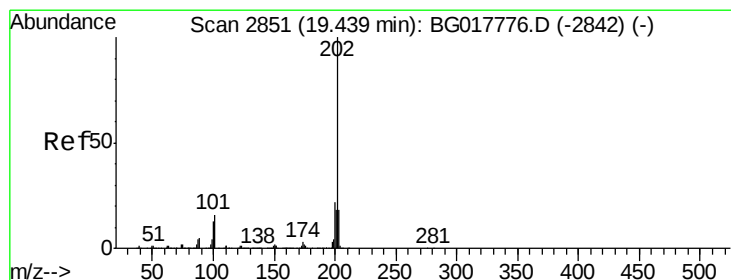
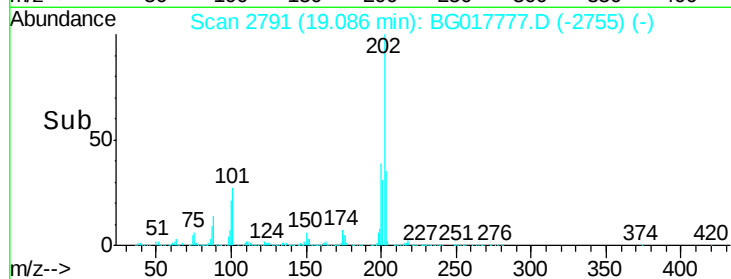
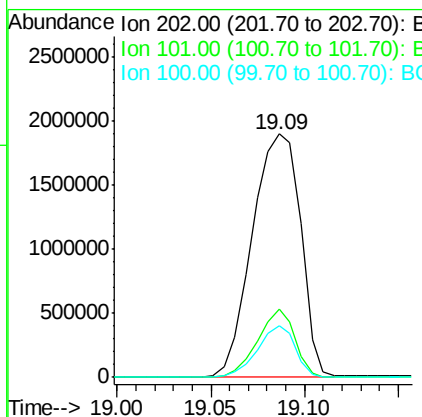
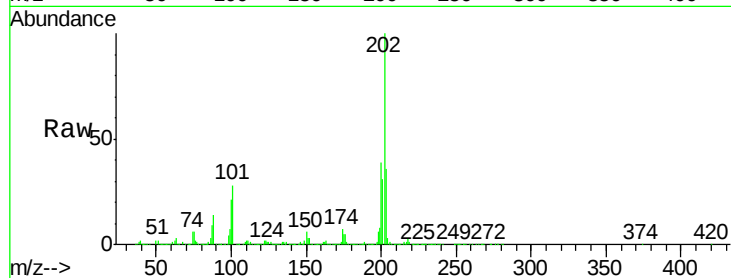




#76
Fluoranthene
Concen: 57.58 ng/ul m
RT: 19.09 min Scan# 2791
Delta R.T. 0.01 min
Lab File: BG017777.D
Acq: 6 Jul 2015 20:08

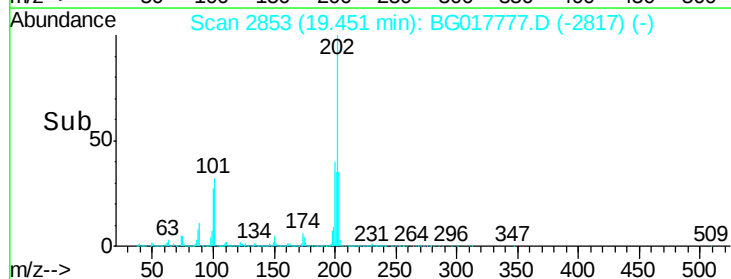
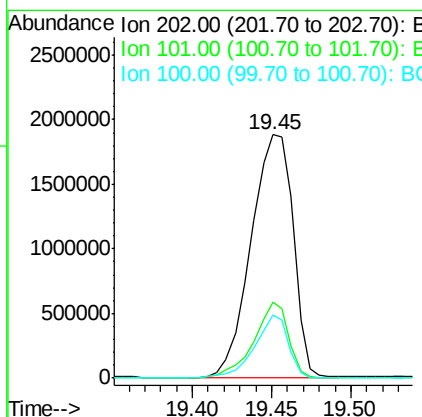
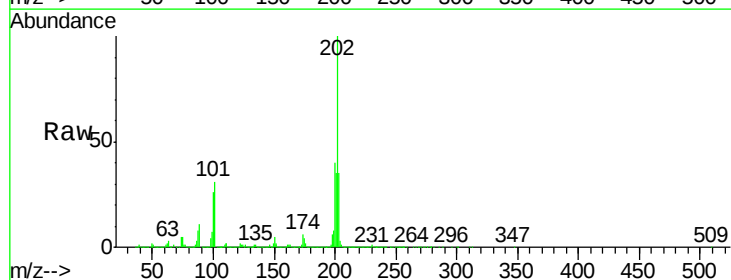
Instrument :
BNA_G
ClientSampleId :

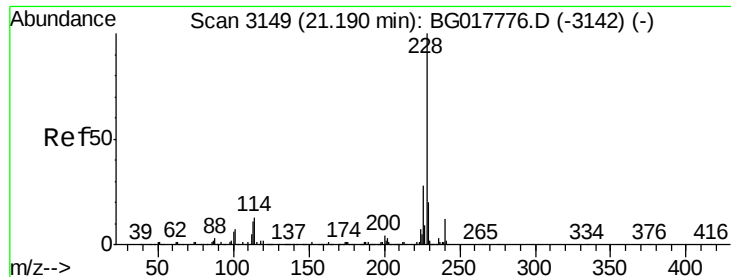
Tgt Ion:202 Resp: 3405809
Ion Ratio Lower Upper
202 100
101 27.8 12.6 18.8#
100 21.3 9.1 13.7#



#79
Pyrene
Concen: 45.73 ng/ul
RT: 19.45 min Scan# 2853
Delta R.T. 0.01 min
Lab File: BG017777.D
Acq: 6 Jul 2015 20:08

Tgt Ion:202 Resp: 3469235
Ion Ratio Lower Upper
202 100
101 31.4 13.1 19.7#
100 26.2 11.3 16.9#





#82

Benzo(a)anthracene

Concen: 30.08 ng/ul

RT: 21.20 min Scan# 3151

Delta R.T. 0.01 min

Lab File: BG017777.D

Acq: 6 Jul 2015 20:08

Instrument :

BNA_G

ClientSampleId :

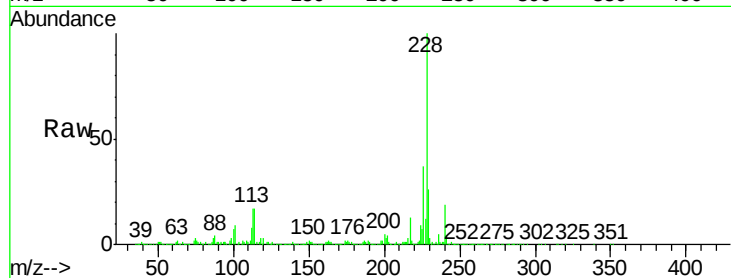
Tgt Ion:228 Resp: 2060016

Ion Ratio Lower Upper

228 100

229 26.0 15.8 23.8#

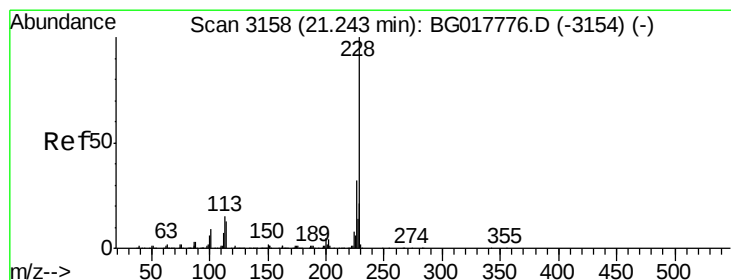
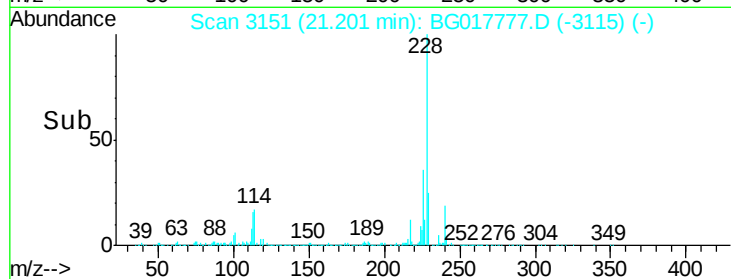
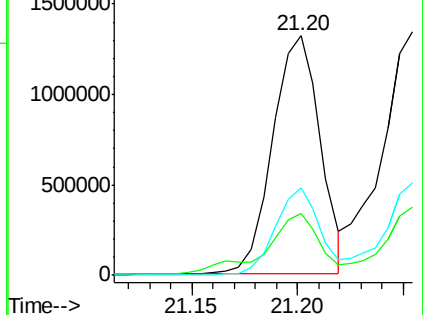
226 36.6 22.2 33.2#



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: 32.07 ng/ul

RT: 21.25 min Scan# 3160

Delta R.T. 0.01 min

Lab File: BG017777.D

Acq: 6 Jul 2015 20:08

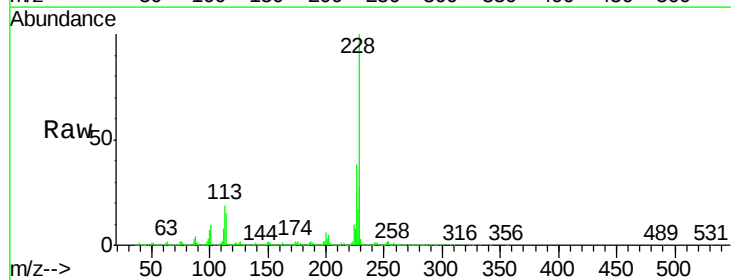
Tgt Ion:228 Resp: 2080227

Ion Ratio Lower Upper

228 100

226 38.1 25.6 38.4

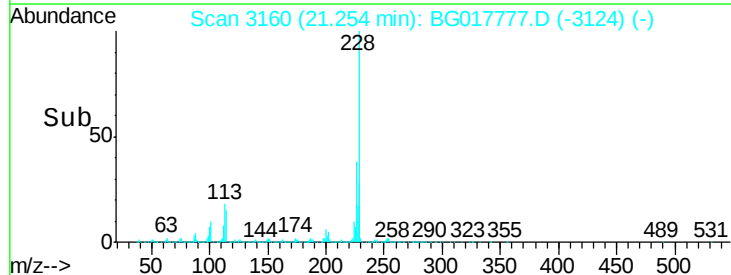
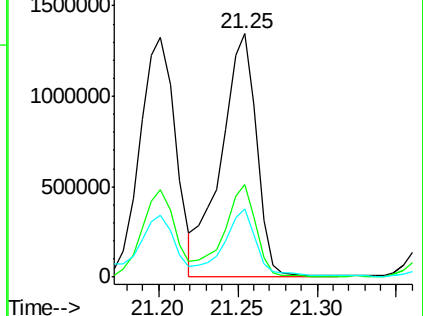
229 28.1 16.4 24.6#

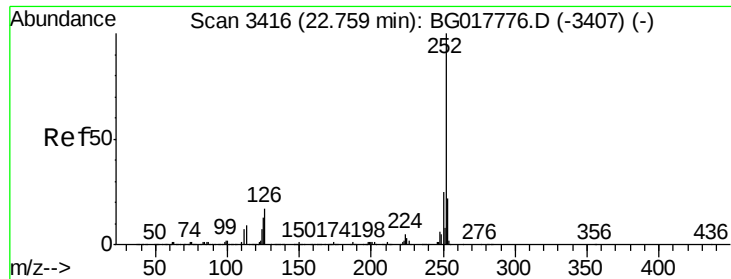


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

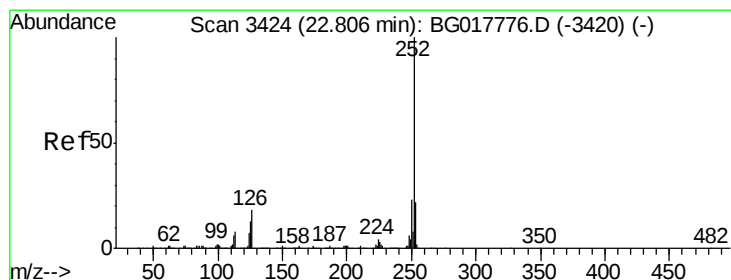
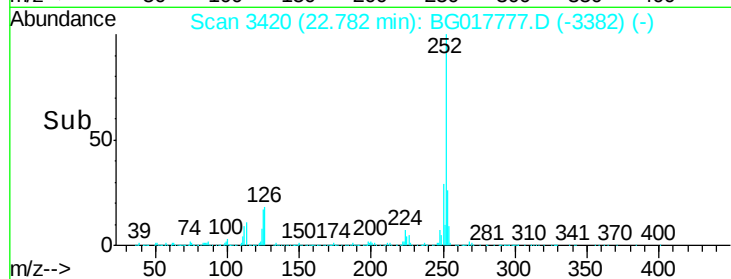
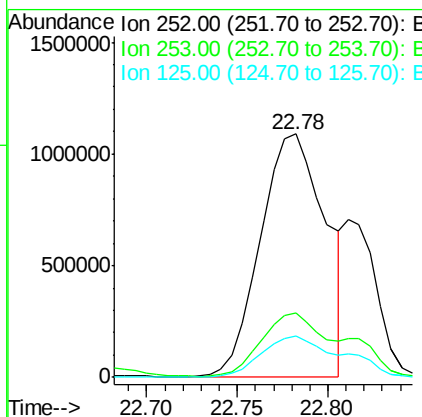
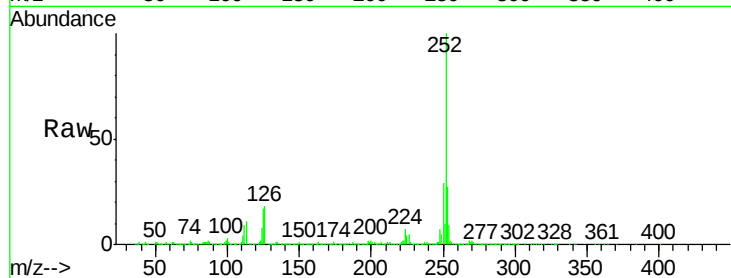




#87
Benzo(b)fluoranthene
Concen: 36.71 ng/ul
RT: 22.78 min Scan# 3420
Delta R.T. 0.02 min
Lab File: BG017777.D
Acq: 6 Jul 2015 20:08

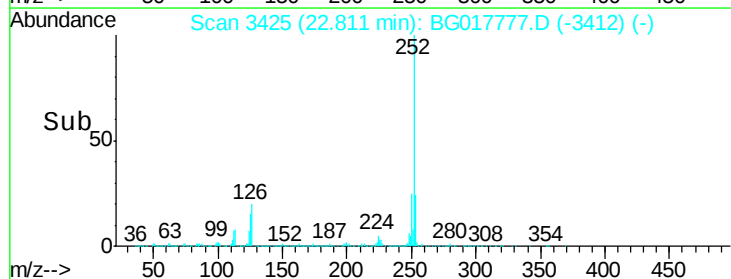
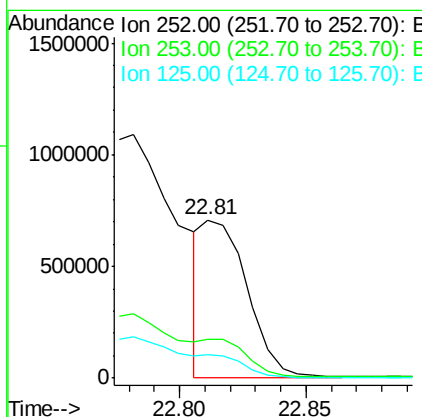
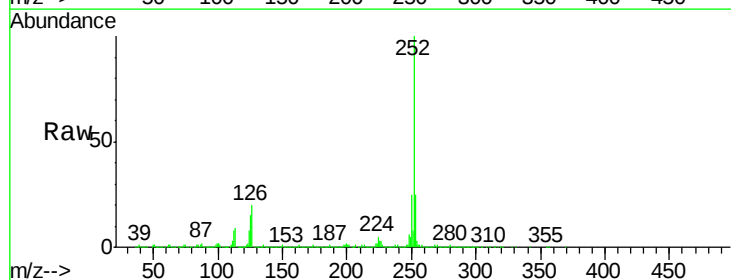
Instrument :
BNA_G
ClientSampleId :

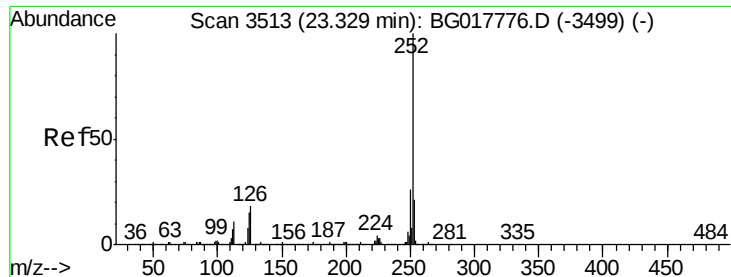
Tgt Ion:252 Resp: 2708479
Ion Ratio Lower Upper
252 100
253 26.7 16.8 25.2#
125 16.9 10.4 15.6#



#88
Benzo(k)fluoranthene
Concen: 12.60 ng/ul m
RT: 22.81 min Scan# 3425
Delta R.T. 0.01 min
Lab File: BG017777.D
Acq: 6 Jul 2015 20:08

Tgt Ion:252 Resp: 876154
Ion Ratio Lower Upper
252 100
253 24.8 17.6 26.4
125 15.2 11.6 17.4





#90

Benzo(a)pyrene

Concen: 27.37 ng/ul

RT: 23.35 min Scan# 3517

Delta R.T. 0.02 min

Lab File: BG017777.D

Acq: 6 Jul 2015 20:08

Instrument :

BNA_G

ClientSampleId :

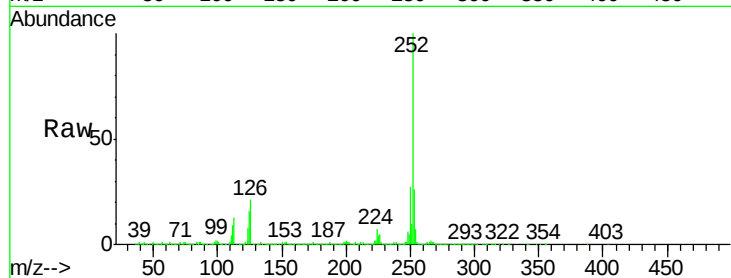
Tgt Ion:252 Resp: 1919320

Ion Ratio Lower Upper

252 100

253 25.7 18.3 27.5

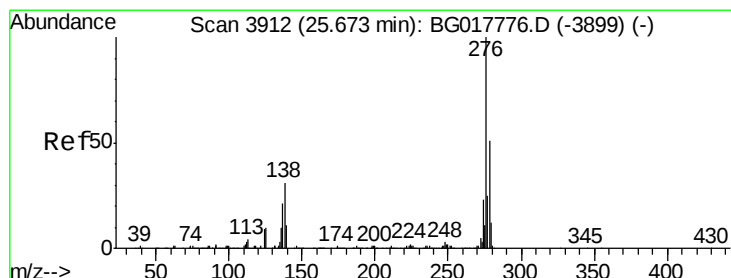
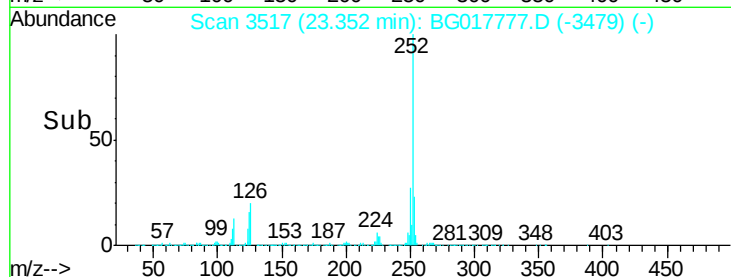
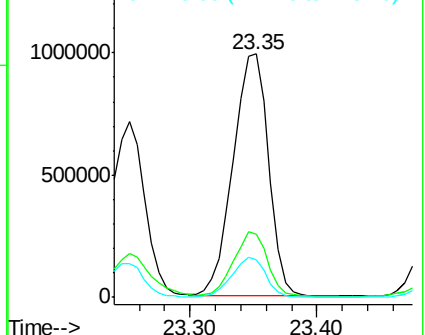
125 15.7 12.1 18.1



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: 17.48 ng/ul

RT: 25.71 min Scan# 3918

Delta R.T. 0.03 min

Lab File: BG017777.D

Acq: 6 Jul 2015 20:08

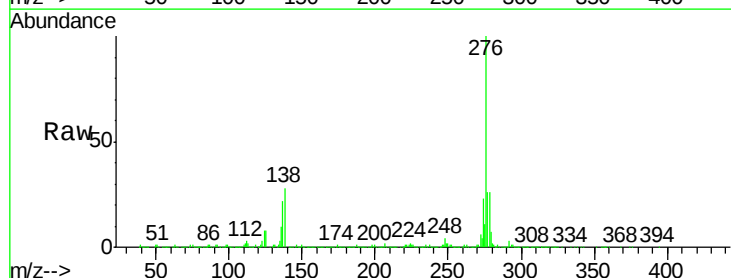
Tgt Ion:276 Resp: 1337871

Ion Ratio Lower Upper

276 100

138 28.2 26.1 39.1

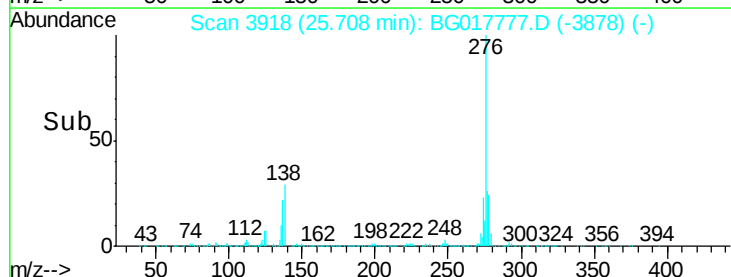
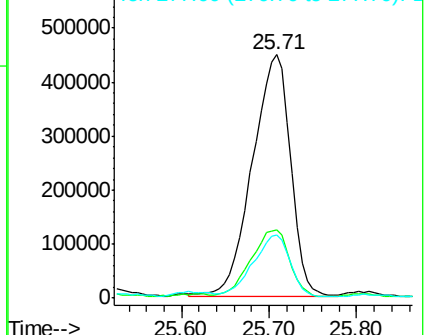
277 26.0 20.9 31.3

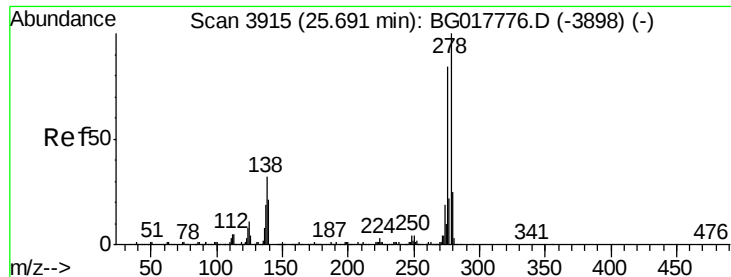


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





#92

Dibenzo(a,h)anthracene

Concen: 5.01 ng/ul m

RT: 25.71 min Scan# 3918

Delta R.T. 0.02 min

Lab File: BG017777.D

Acq: 6 Jul 2015 20:08

Instrument :

BNA_G

ClientSampleId :

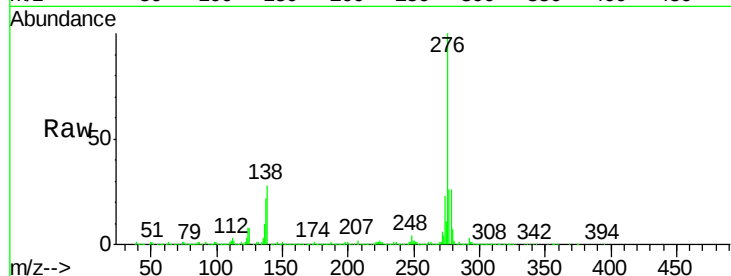
Tgt Ion:278 Resp: 323911

Ion Ratio Lower Upper

278 100

139 0.0 16.3 24.5#

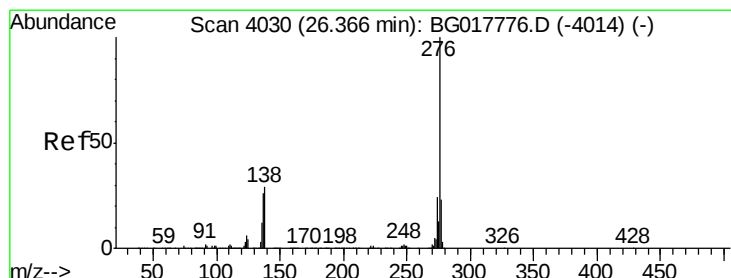
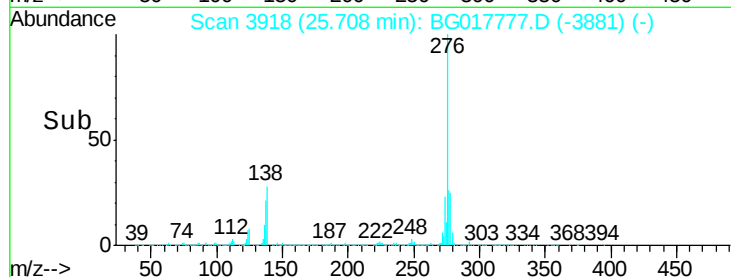
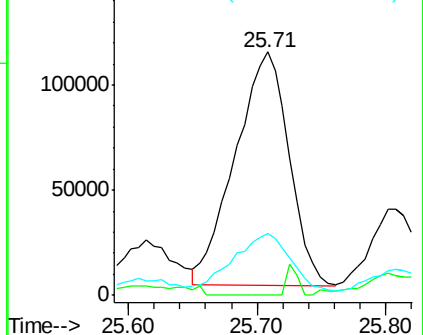
279 25.4 18.7 28.1



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: 9.76 ng/ul

RT: 26.39 min Scan# 4034

Delta R.T. 0.02 min

Lab File: BG017777.D

Acq: 6 Jul 2015 20:08

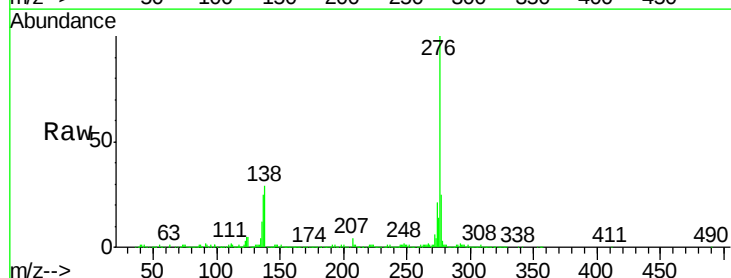
Tgt Ion:276 Resp: 624907

Ion Ratio Lower Upper

276 100

138 29.1 25.1 37.7

277 24.8 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

