

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG070715\
 Data File : BG017794.D
 Acq On : 7 Jul 2015 13:47
 Operator : TP/UM
 Sample : G2860-09DL 5X
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 G93J4DL

Quant Time: Jul 08 03:38:04 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	78001	20.00	ng/ul	0.00
18) Naphthalene-d8	10.38	136	354449	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.26	164	208859	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.01	188	414138	20.00	ng/ul	0.00
77) Chrysene-d12	21.21	240	417776	20.00	ng/ul	0.00
85) Perylene-d12	23.45	264	420088	20.00	ng/ul	0.00

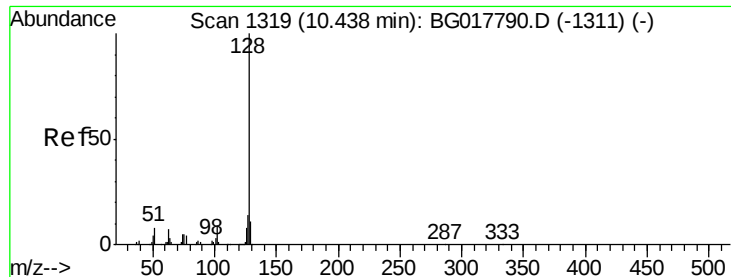
System Monitoring Compounds

3) 1,4-Dioxane-d8	3.13	96	1019	0.52	ng/uL	0.00
5) Phenol-d5	6.78	99	19710	2.99	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	6.95	67	10899	2.76	ng/ul	0.00
9) 2-Chlorophenol-d4	7.14	132	16483	2.92	ng/ul	0.00
13) 4-Methylphenol-d8	8.31	113	16296	3.02	ng/ul	0.00
19) Nitrobenzene-d5	8.76	128	7713	2.91	ng/ul	0.00
22) 2-Nitrophenol-d4	9.47	143	7684	2.90	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.01	165	15459	3.06	ng/ul	0.00
29) 4-Chloroaniline-d4	10.53	131	17807	2.59	ng/ul	0.00
43) Dimethylphthalate-d6	13.67	166	42766	3.09	ng/ul	0.00
46) Acenaphthylene-d8	13.95	160	56147	3.01	ng/ul	0.00
51) 4-Nitrophenol-d4	14.46	143	6248	2.25	ng/ul	0.00
57) Fluorene-d10	15.26	176	41770	2.96	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.37	200	1964	1.02	ng/ul	-0.01
70) Anthracene-d10	17.11	188	58040	3.08	ng/ul	0.00
78) Pyrene-d10	19.42	212	56918	2.87	ng/ul	0.00
89) Benzo(a)pyrene-d12	23.30	264	50844	2.75	ng/ul	0.01

Target Compounds

						Qvalue
28) Naphthalene	10.44	128	98653	5.38	ng/ul	99
34) 2-Methylnaphthalene	12.06	142	34512	2.65	ng/ul	99
44) Dimethylphthalate	13.72	163	19168	1.25	ng/ul#	95
47) Acenaphthylene	13.98	152	22258	1.09	ng/ul#	89
49) Acenaphthene	14.33	153	98020	7.14	ng/ul	98
53) Dibenzofuran	14.66	168	106312	5.75	ng/ul	99
58) Fluorene	15.31	166	129076	7.85	ng/ul	97
69) Phenanthrene	17.06	178	1032480	45.61	ng/ul	99
71) Anthracene	17.15	178	316498	13.59	ng/ul	99
74) Carbazole	17.42	167	96492	4.98	ng/ul	99
76) Fluoranthene	19.09	202	1068460	48.99	ng/ul	99
79) Pyrene	19.45	202	918311	36.02	ng/ul	99
82) Benzo(a)anthracene	21.20	228	398036	17.29	ng/ul	99
84) Chrysene	21.25	228	372312	17.08	ng/ul	96
87) Benzo(b)fluoranthene	22.78	252	425129	17.71	ng/ul	93
88) Benzo(k)fluoranthene	22.78	252	215801	9.54	ng/ul	96
90) Benzo(a)pyrene	23.35	252	335405	14.70	ng/ul	98
91) Indeno(1,2,3-cd)pyrene	25.71	276	178080	7.15	ng/ul	94
92) Dibenzo(a,h)anthracene	25.72	278	49683	2.36	ng/ul#	91
93) Benzo(g,h,i)perylene	26.41	276	109292	5.24	ng/ul	93

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



#28

Naphthalene

Concen: 5.38 ng/ul

RT: 10.44 min Scan# 1319

Delta R.T. 0.00 min

Lab File: BG017794.D

Acq: 7 Jul 2015 13:47

Instrument :

BNA_G

ClientSampleId :

G93J4DL

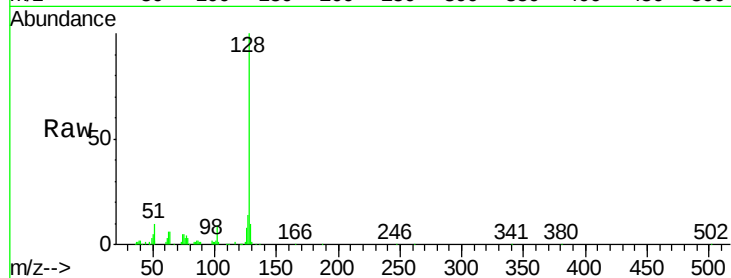
Tgt Ion:128 Resp: 98653

Ion Ratio Lower Upper

128 100

129 10.0 8.7 13.1

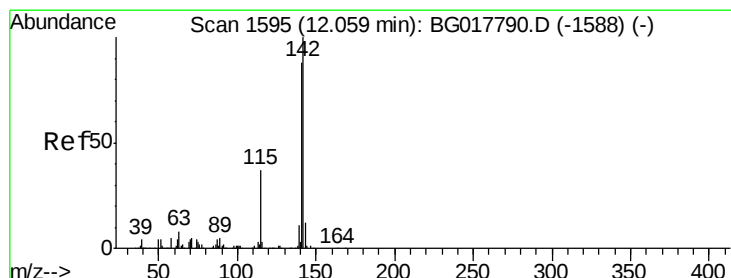
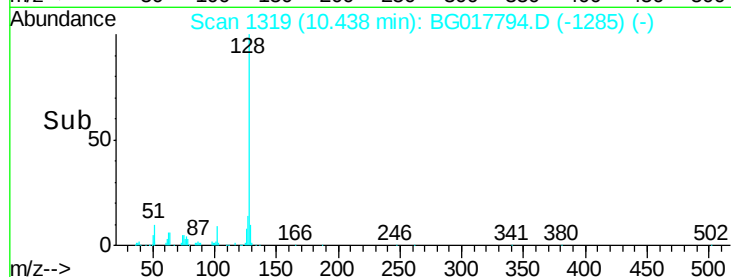
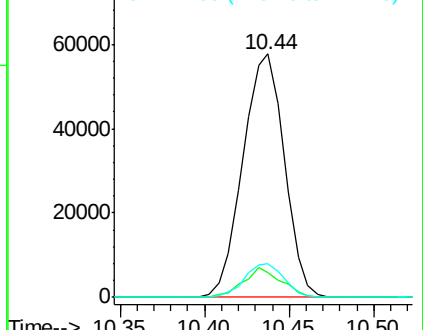
127 13.8 11.0 16.6



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: 2.65 ng/ul

RT: 12.06 min Scan# 1595

Delta R.T. 0.00 min

Lab File: BG017794.D

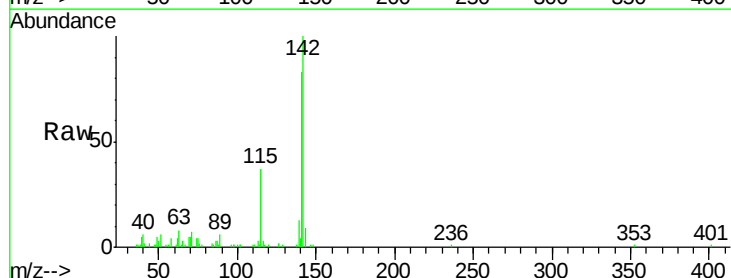
Acq: 7 Jul 2015 13:47

Tgt Ion:142 Resp: 34512

Ion Ratio Lower Upper

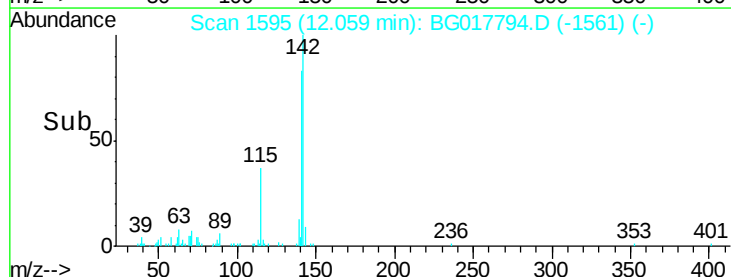
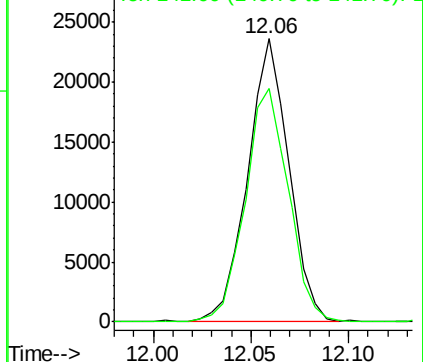
142 100

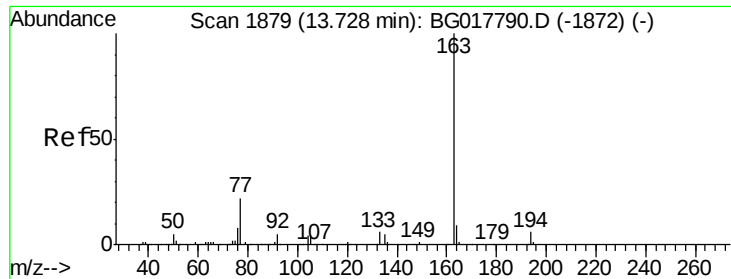
141 82.5 66.6 100.0



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

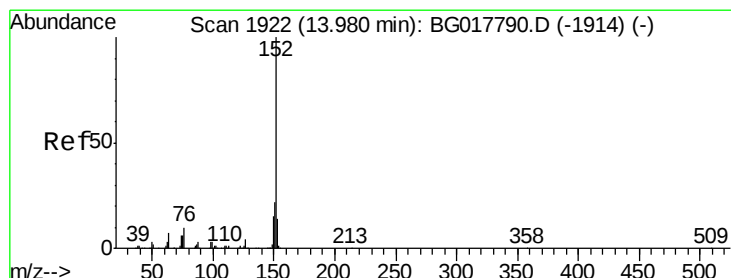
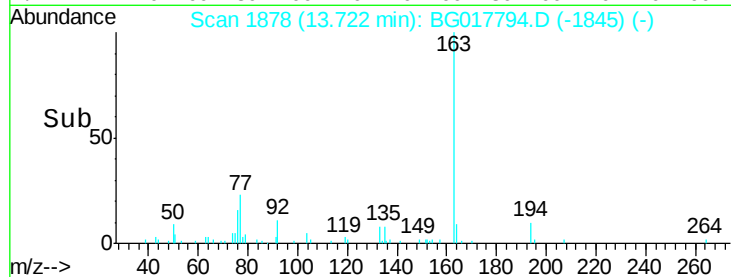
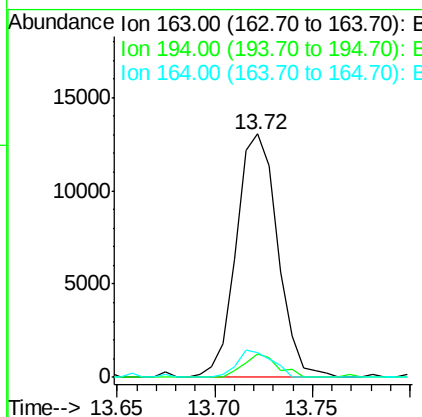
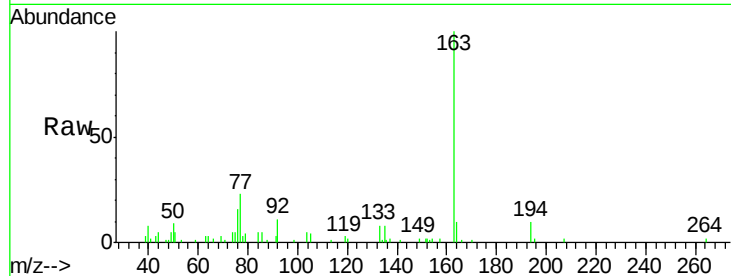




#44
Dimethylphthalate
Concen: 1.25 ng/ul
RT: 13.72 min Scan# 1878
Delta R.T. -0.01 min
Lab File: BG017794.D
Acq: 7 Jul 2015 13:47

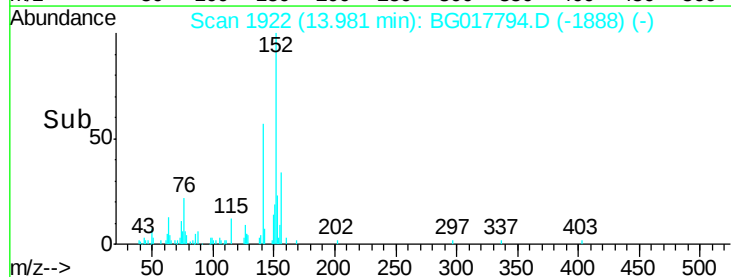
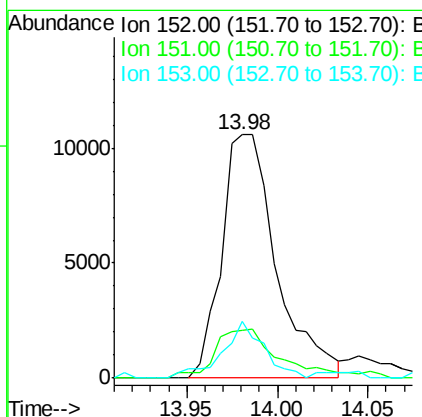
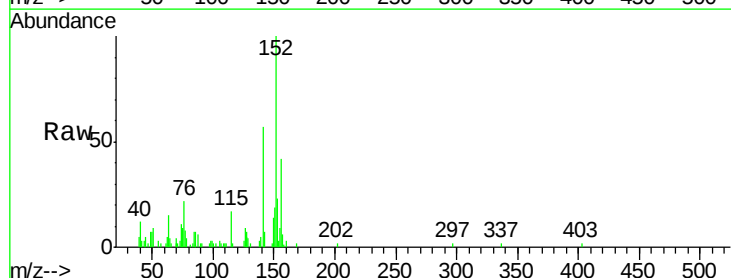
Instrument :
BNA_G
ClientSampleId :
G93J4DL

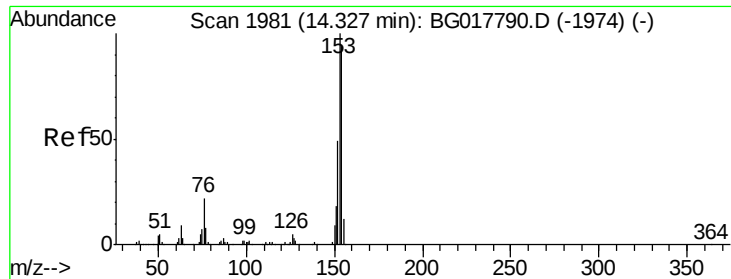
Tgt Ion:163 Resp: 19168
Ion Ratio Lower Upper
163 100
194 9.9 5.4 8.0#
164 10.3 7.7 11.5



#47
Acenaphthylene
Concen: 1.09 ng/ul
RT: 13.98 min Scan# 1922
Delta R.T. 0.00 min
Lab File: BG017794.D
Acq: 7 Jul 2015 13:47

Tgt Ion:152 Resp: 22258
Ion Ratio Lower Upper
152 100
151 19.4 17.0 25.6
153 23.2 11.2 16.8#





#49

Acenaphthene

Concen: 7.14 ng/ul

RT: 14.33 min Scan# 1981

Delta R.T. 0.00 min

Lab File: BG017794.D

Acq: 7 Jul 2015 13:47

Instrument :

BNA_G

ClientSampleId :

G93J4DL

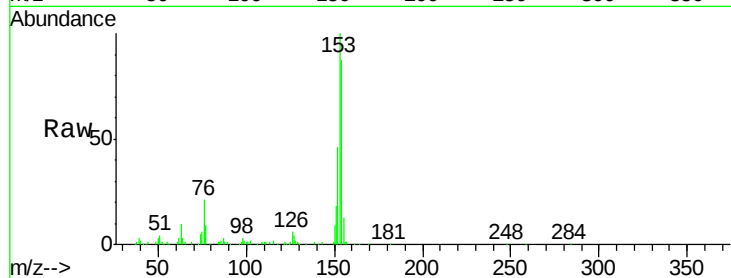
Tgt Ion:153 Resp: 98020

Ion Ratio Lower Upper

153 100

152 45.9 37.8 56.6

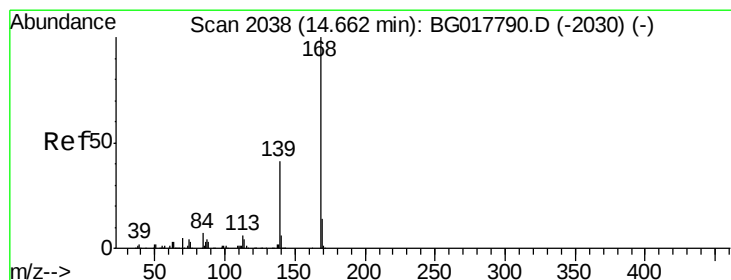
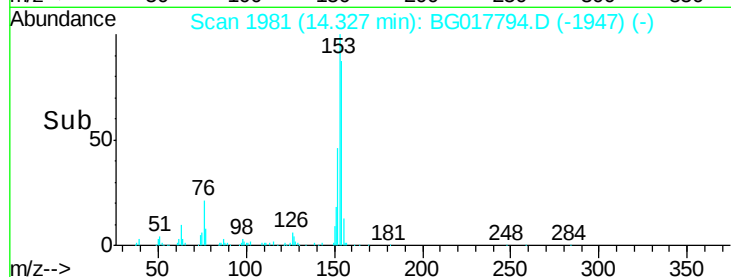
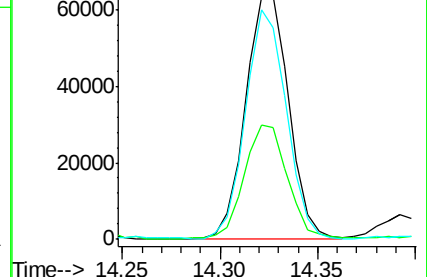
154 86.7 71.2 106.8



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: 5.75 ng/ul

RT: 14.66 min Scan# 2038

Delta R.T. 0.00 min

Lab File: BG017794.D

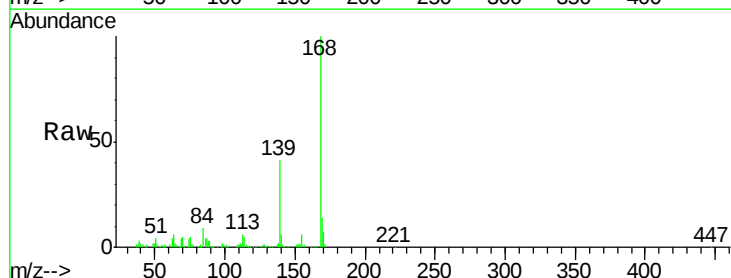
Acq: 7 Jul 2015 13:47

Tgt Ion:168 Resp: 106312

Ion Ratio Lower Upper

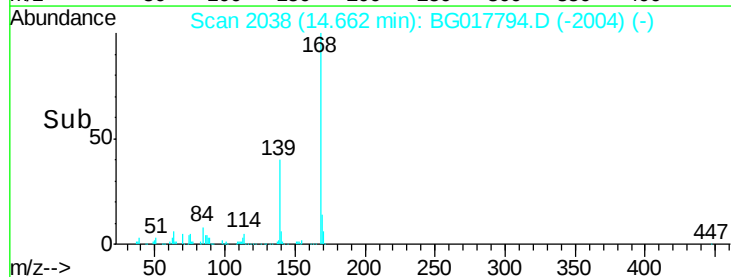
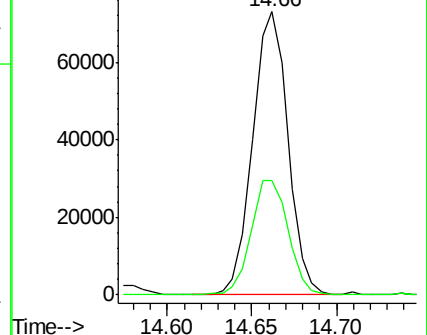
168 100

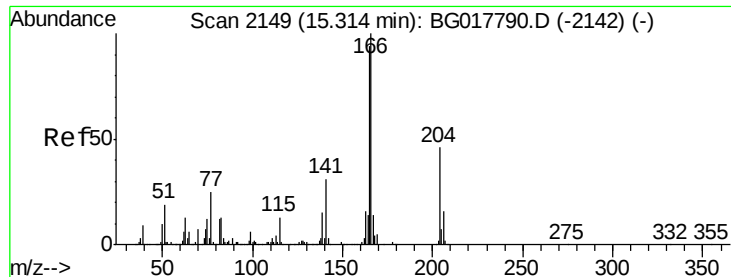
139 40.6 32.7 49.1



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

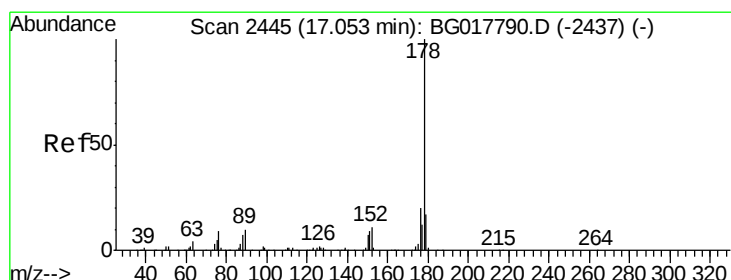
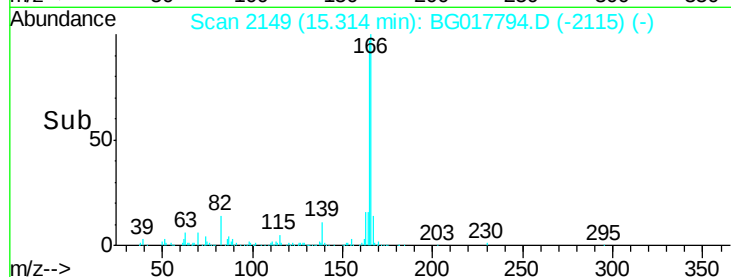
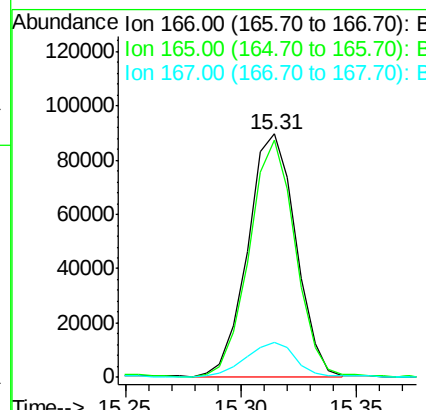
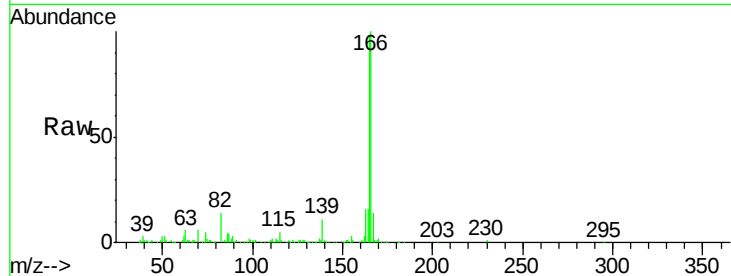




#58
 Fluorene
 Concen: 7.85 ng/ul
 RT: 15.31 min Scan# 2149
 Delta R.T. 0.00 min
 Lab File: BG017794.D
 Acq: 7 Jul 2015 13:47

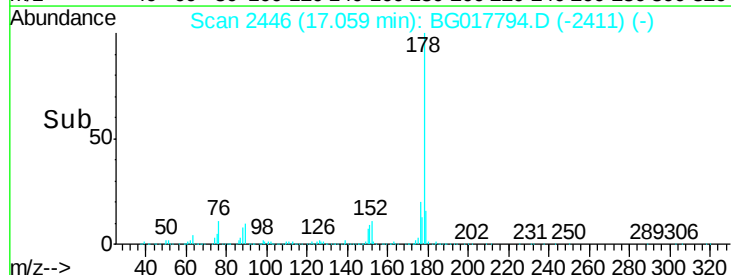
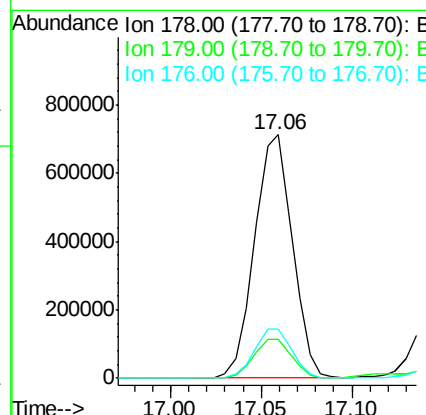
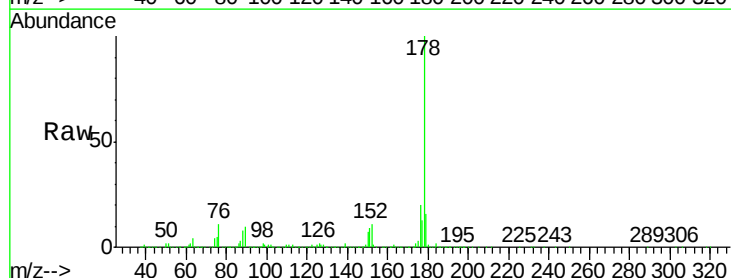
Instrument :
 BNA_G
 ClientSampleId :
 G93J4DL

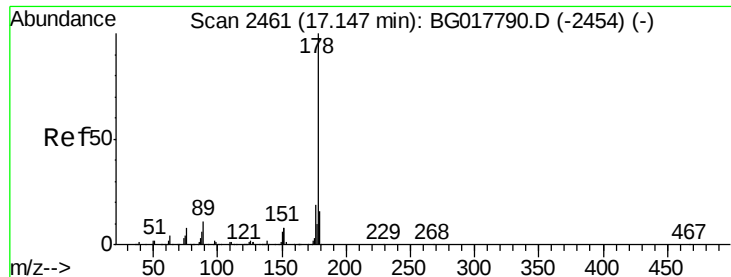
Tgt Ion:166 Resp: 129076
 Ion Ratio Lower Upper
 166 100
 165 97.6 75.7 113.5
 167 14.3 10.1 15.1



#69
 Phenanthrene
 Concen: 45.61 ng/ul
 RT: 17.06 min Scan# 2446
 Delta R.T. 0.01 min
 Lab File: BG017794.D
 Acq: 7 Jul 2015 13:47

Tgt Ion:178 Resp: 1032480
 Ion Ratio Lower Upper
 178 100
 179 16.2 13.0 19.4
 176 20.3 17.0 25.4





#71

Anthracene

Concen: 13.59 ng/ul

RT: 17.15 min Scan# 2461

Delta R.T. 0.00 min

Lab File: BG017794.D

Acq: 7 Jul 2015 13:47

Instrument :

BNA_G

ClientSampleID :

G93J4DL

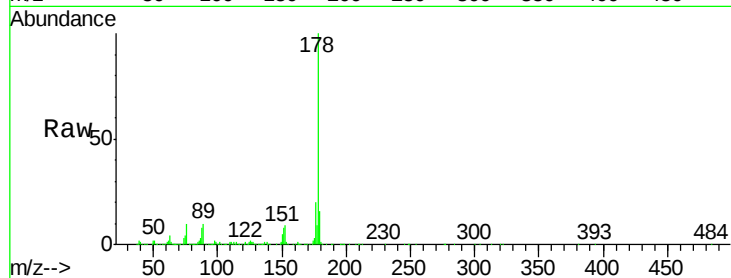
Tgt Ion:178 Resp: 316498

Ion Ratio Lower Upper

178 100

179 15.8 12.4 18.6

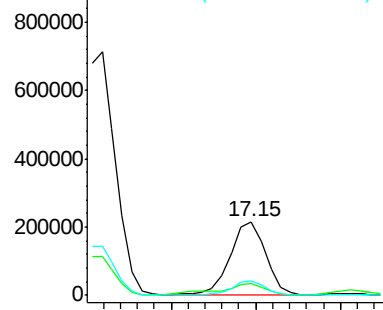
176 19.7 15.3 22.9



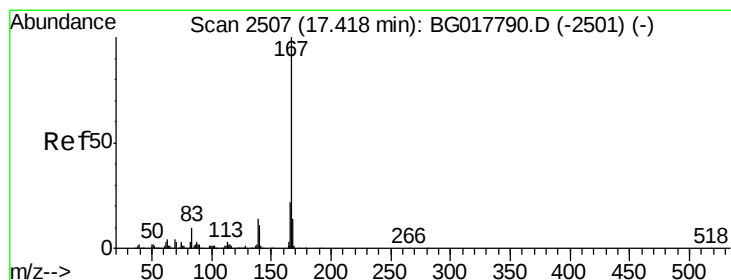
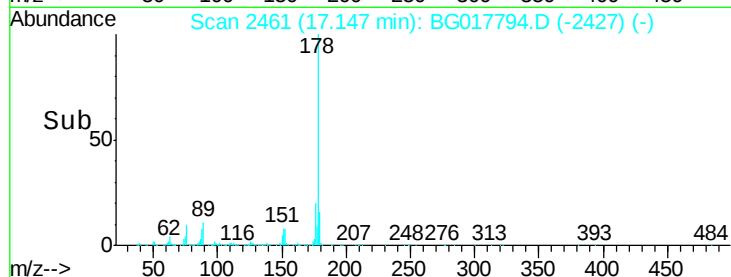
Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E



Time-->



#74

Carbazole

Concen: 4.98 ng/ul

RT: 17.42 min Scan# 2507

Delta R.T. 0.00 min

Lab File: BG017794.D

Acq: 7 Jul 2015 13:47

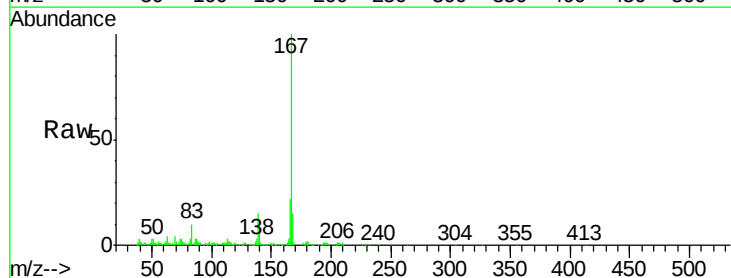
Tgt Ion:167 Resp: 96492

Ion Ratio Lower Upper

167 100

166 22.0 18.0 27.0

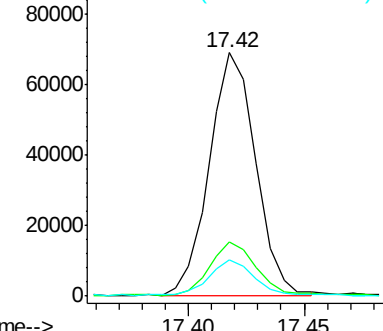
139 14.7 11.4 17.0



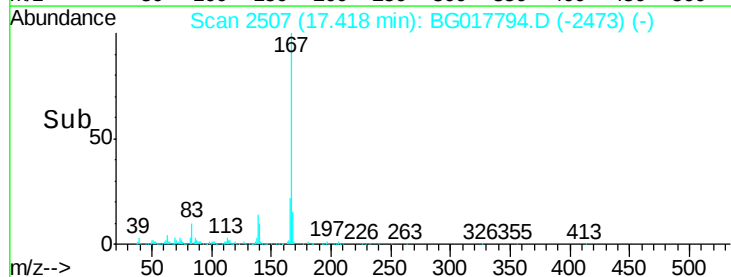
Abundance Ion 167.00 (166.70 to 167.70): E

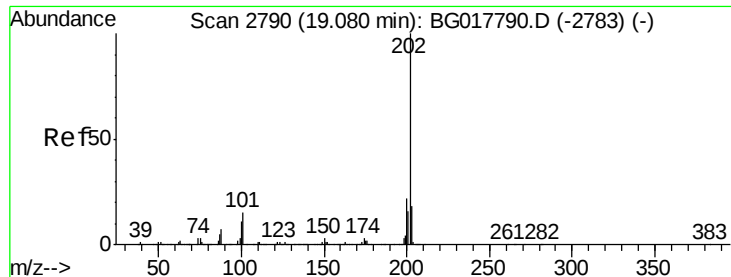
Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E



Time-->

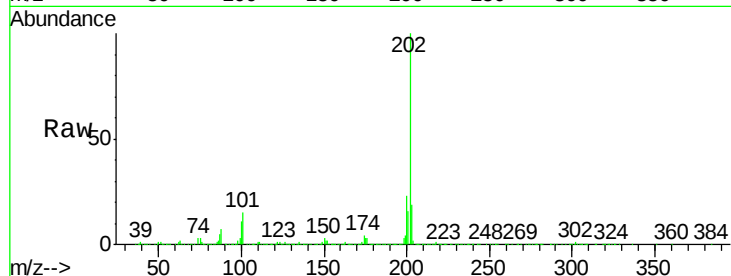




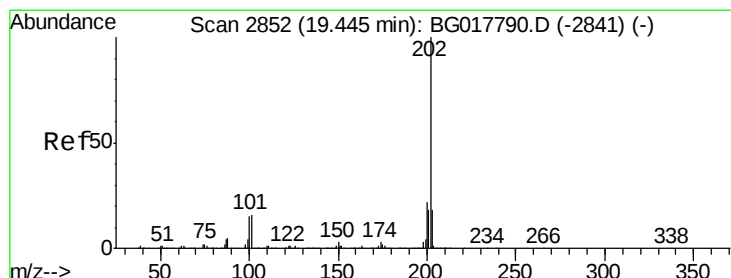
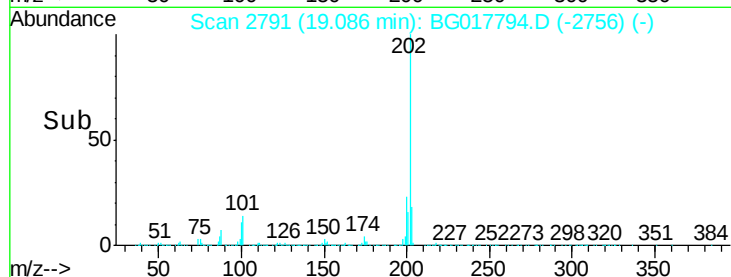
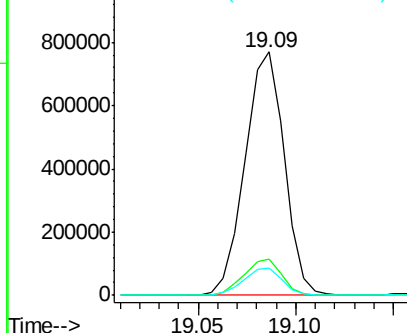
#76
Fluoranthene
Concen: 48.99 ng/ul
RT: 19.09 min Scan# 2791
Delta R.T. 0.01 min
Lab File: BG017794.D
Acq: 7 Jul 2015 13:47

Instrument :
BNA_G
ClientSampleId :
G93J4DL

Tgt Ion:202 Resp: 1068460
Ion Ratio Lower Upper
202 100
101 14.9 12.6 18.8
100 11.3 9.1 13.7

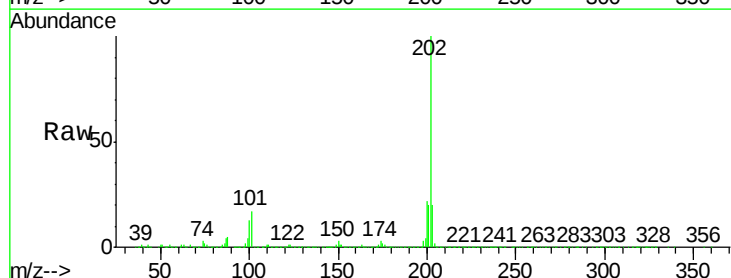


Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 100.00 (99.70 to 100.70): B

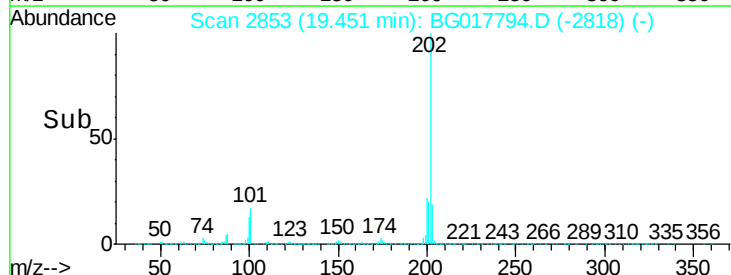
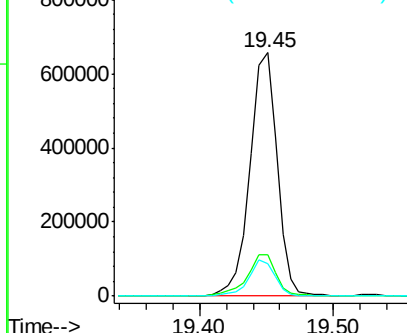


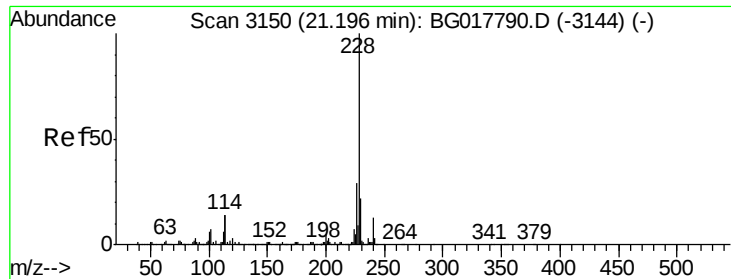
#79
Pyrene
Concen: 36.02 ng/ul
RT: 19.45 min Scan# 2853
Delta R.T. 0.01 min
Lab File: BG017794.D
Acq: 7 Jul 2015 13:47

Tgt Ion:202 Resp: 918311
Ion Ratio Lower Upper
202 100
101 16.8 13.1 19.7
100 13.4 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: 17.29 ng/ul

RT: 21.20 min Scan# 3151

Delta R.T. 0.01 min

Lab File: BG017794.D

Acq: 7 Jul 2015 13:47

Instrument :

BNA_G

ClientSampleId :

G93J4DL

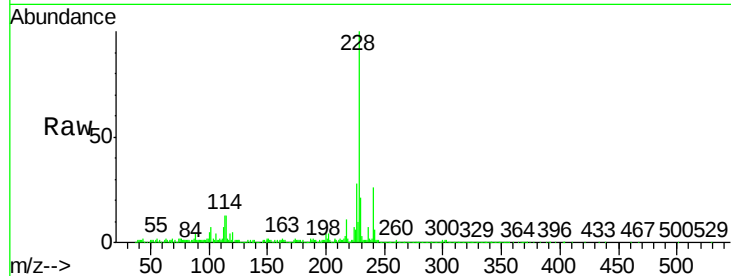
Tgt Ion:228 Resp: 398036

Ion Ratio Lower Upper

228 100

229 21.1 15.8 23.8

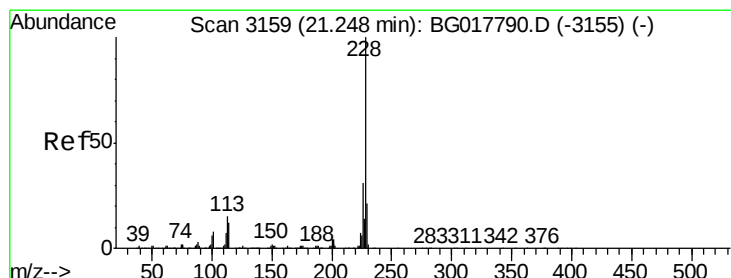
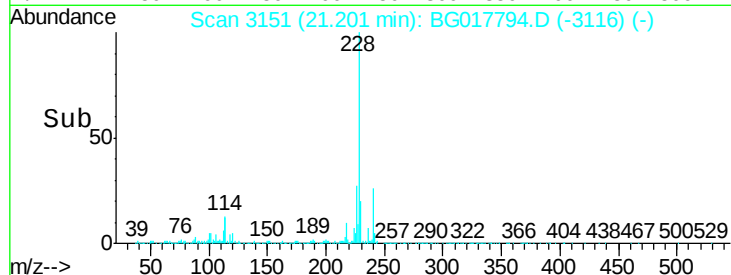
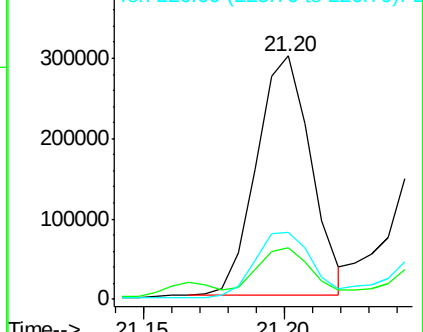
226 27.6 22.2 33.2



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: 17.08 ng/ul

RT: 21.25 min Scan# 3160

Delta R.T. 0.01 min

Lab File: BG017794.D

Acq: 7 Jul 2015 13:47

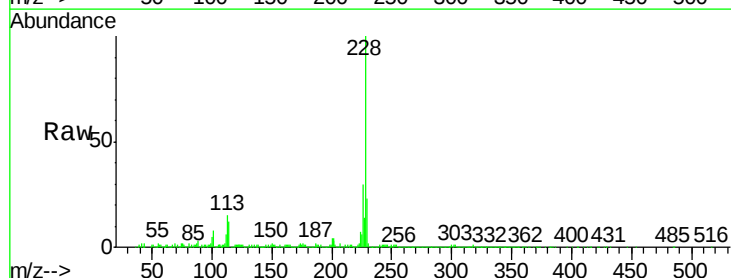
Tgt Ion:228 Resp: 372312

Ion Ratio Lower Upper

228 100

226 30.4 25.6 38.4

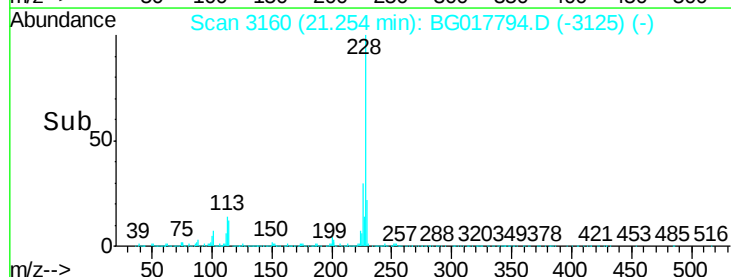
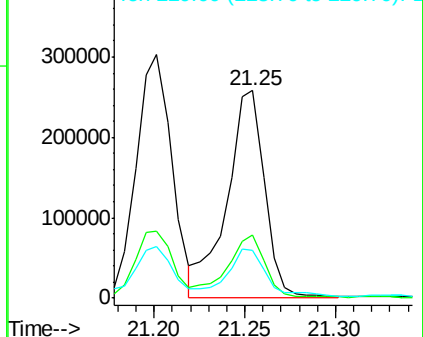
229 23.2 16.4 24.6

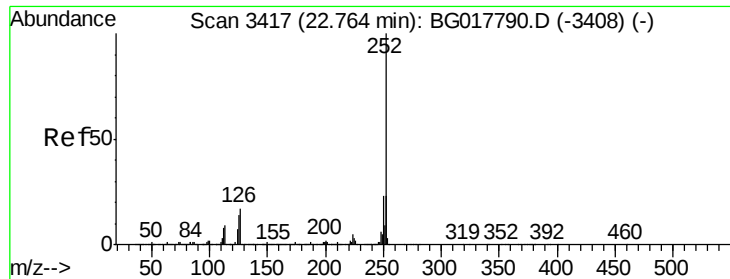


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#87

Benzo(b)fluoranthene

Concen: 17.71 ng/ul

RT: 22.78 min Scan# 3419

Delta R.T. 0.01 min

Lab File: BG017794.D

Acq: 7 Jul 2015 13:47

Instrument :

BNA_G

ClientSampleId :

G93J4DL

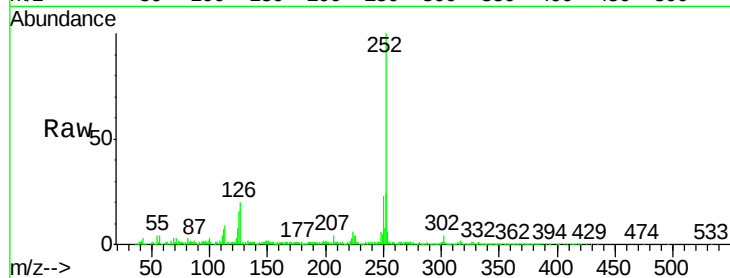
Tgt Ion:252 Resp: 425129

Ion Ratio Lower Upper

252 100

253 24.3 16.8 25.2

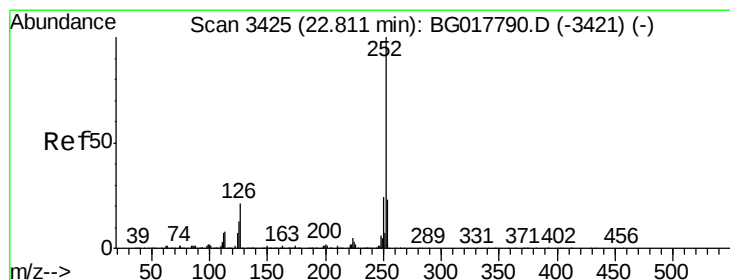
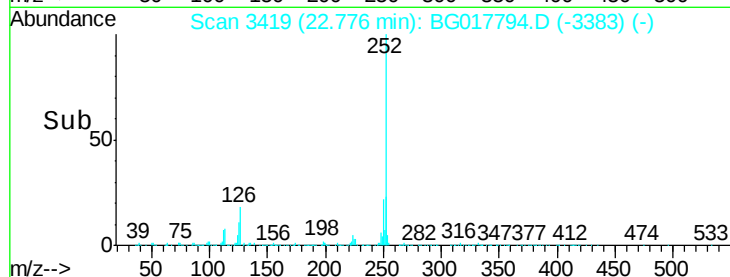
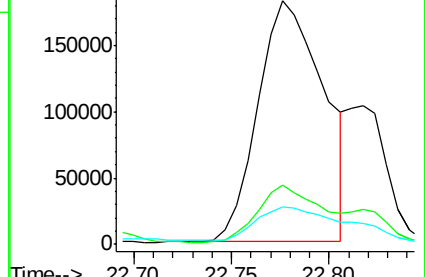
125 15.5 10.4 15.6



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



#88

Benzo(k)fluoranthene

Concen: 9.54 ng/ul

RT: 22.78 min Scan# 3419

Delta R.T. -0.04 min

Lab File: BG017794.D

Acq: 7 Jul 2015 13:47

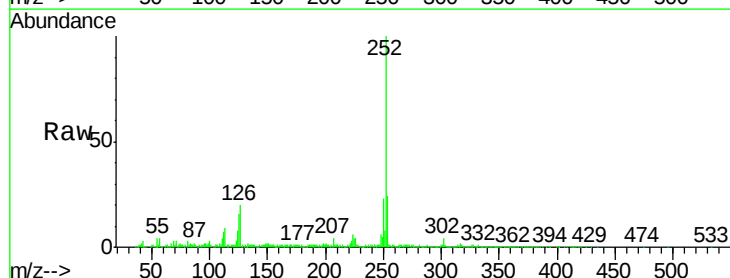
Tgt Ion:252 Resp: 215801

Ion Ratio Lower Upper

252 100

253 24.3 17.6 26.4

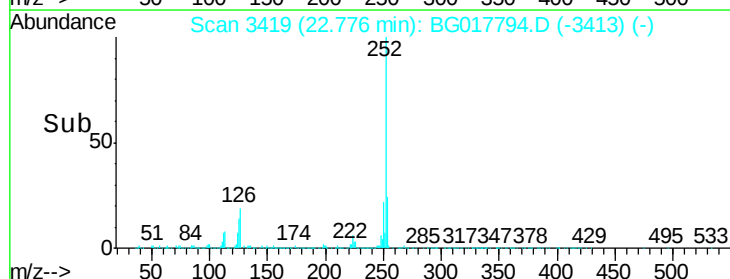
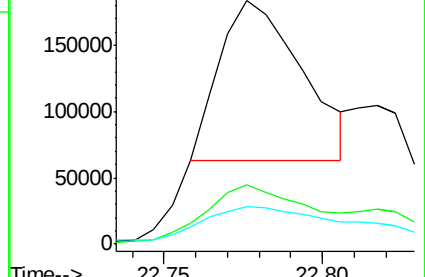
125 15.5 11.6 17.4

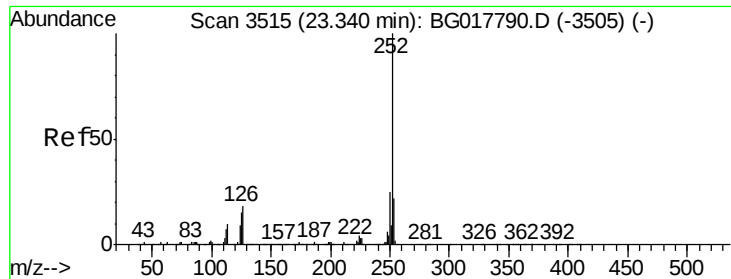


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#90

Benzo(a)pyrene

Concen: 14.70 ng/ul

RT: 23.35 min Scan# 3517

Delta R.T. 0.01 min

Lab File: BG017794.D

Acq: 7 Jul 2015 13:47

Instrument :

BNA_G

ClientSampleId :

G93J4DL

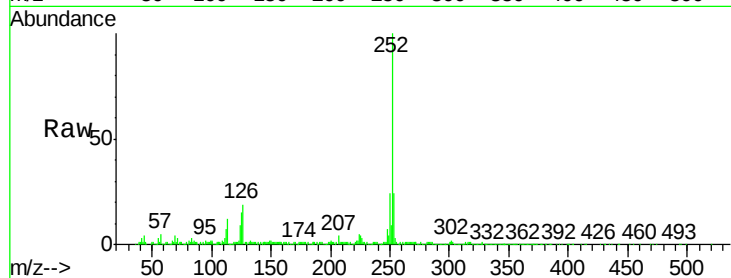
Tgt Ion:252 Resp: 335405

Ion Ratio Lower Upper

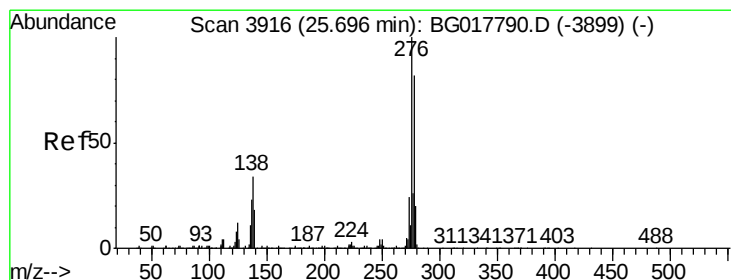
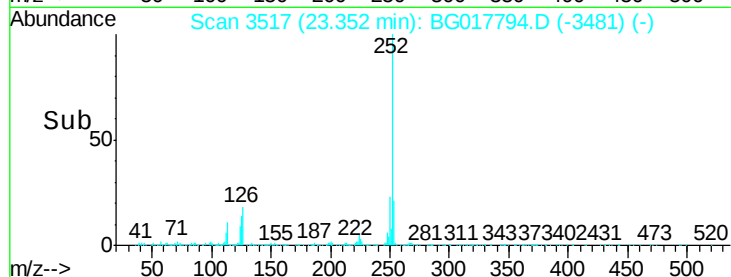
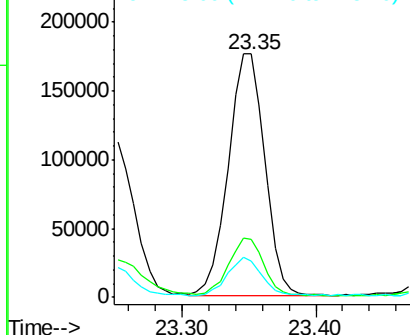
252 100

253 23.8 18.3 27.5

125 14.7 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: 7.15 ng/ul

RT: 25.71 min Scan# 3918

Delta R.T. 0.01 min

Lab File: BG017794.D

Acq: 7 Jul 2015 13:47

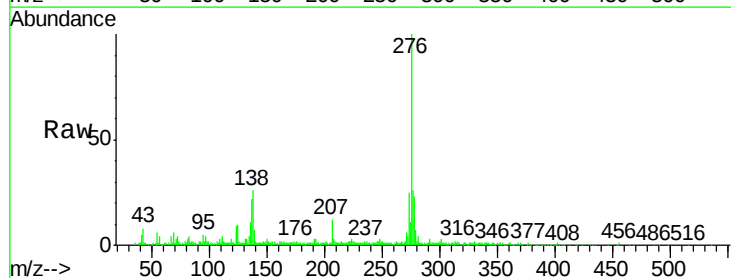
Tgt Ion:276 Resp: 178080

Ion Ratio Lower Upper

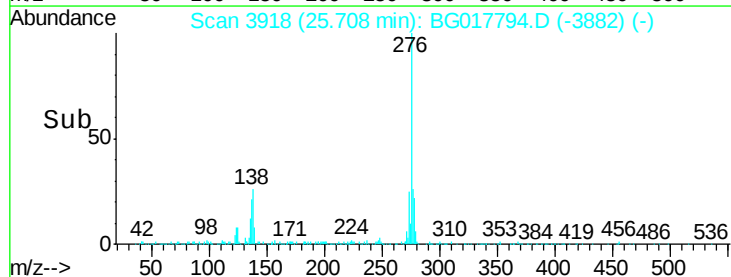
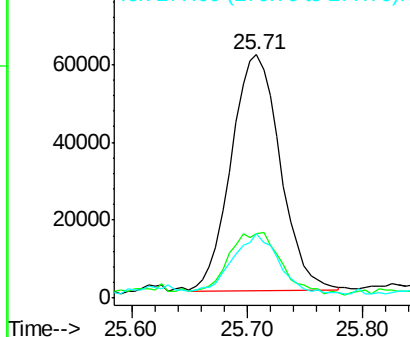
276 100

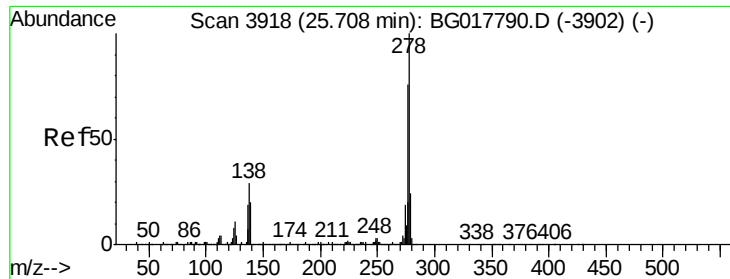
138 26.5 26.1 39.1

277 26.5 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: 2.36 ng/ul

RT: 25.72 min Scan# 3920

Delta R.T. 0.01 min

Lab File: BG017794.D

Acq: 7 Jul 2015 13:47

Instrument :

BNA_G

ClientSampleId :

G93J4DL

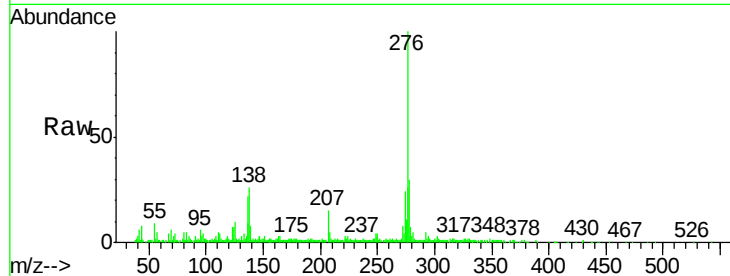
Tgt Ion:278 Resp: 49683

Ion Ratio Lower Upper

278 100

139 26.9 16.3 24.5#

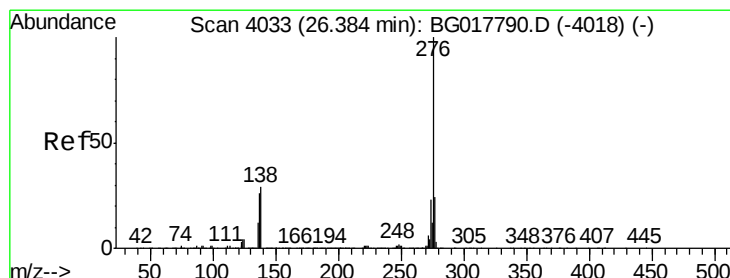
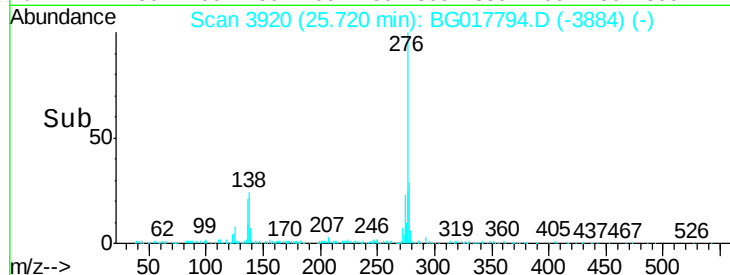
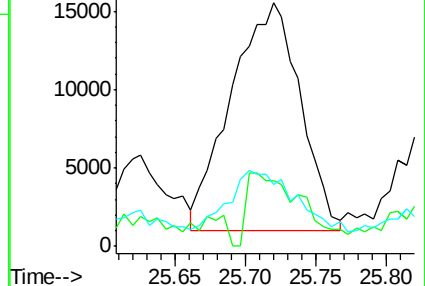
279 25.2 18.7 28.1



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: 5.24 ng/ul

RT: 26.41 min Scan# 4037

Delta R.T. 0.02 min

Lab File: BG017794.D

Acq: 7 Jul 2015 13:47

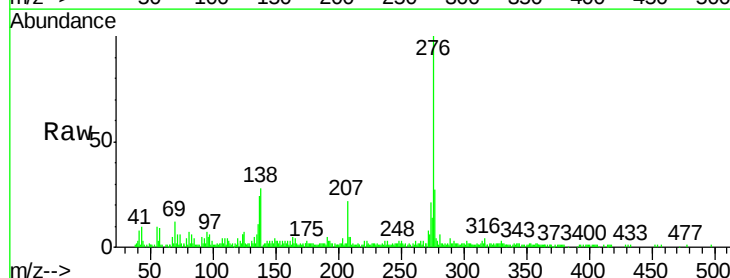
Tgt Ion:276 Resp: 109292

Ion Ratio Lower Upper

276 100

138 28.0 25.1 37.7

277 27.2 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

