

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG070715\
 Data File : BG017795.D
 Acq On : 7 Jul 2015 14:22
 Operator : TP/UM
 Sample : G2860-04DL 2X
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 G93H9DL

Quant Time: Jul 08 03:38:21 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	97143	20.00	ng/ul	0.00
18) Naphthalene-d8	10.38	136	456372	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.26	164	281783	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.01	188	562393	20.00	ng/ul	0.00
77) Chrysene-d12	21.21	240	576155	20.00	ng/ul	0.00
85) Perylene-d12	23.45	264	594584	20.00	ng/ul	0.00

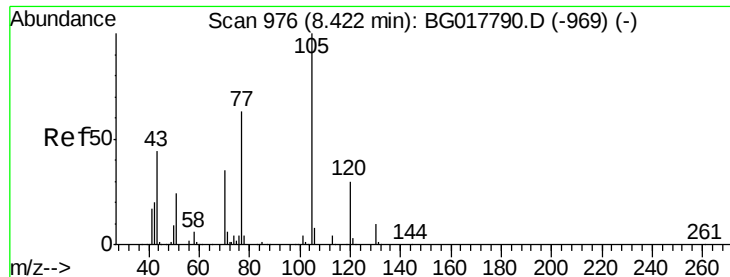
System Monitoring Compounds

3) 1,4-Dioxane-d8	3.14	96	2428	0.99	ng/uL	0.00
5) Phenol-d5	6.78	99	44693	5.45	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	6.95	67	26609	5.41	ng/ul	0.00
9) 2-Chlorophenol-d4	7.14	132	36964	5.27	ng/ul	0.00
13) 4-Methylphenol-d8	8.31	113	28458	4.24	ng/ul	0.00
19) Nitrobenzene-d5	8.76	128	18102	5.30	ng/ul	0.00
22) 2-Nitrophenol-d4	9.47	143	19440	5.70	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.01	165	32054	4.92	ng/ul	0.00
29) 4-Chloroaniline-d4	10.53	131	30305	3.43	ng/ul	0.00
43) Dimethylphthalate-d6	13.67	166	99146	5.32	ng/ul	0.00
46) Acenaphthylene-d8	13.95	160	116431	4.63	ng/ul	0.00
51) 4-Nitrophenol-d4	14.46	143	13957	3.73	ng/ul	0.00
57) Fluorene-d10	15.26	176	83964	4.41	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.38	200	5001	1.92	ng/ul	0.00
70) Anthracene-d10	17.11	188	118989	4.64	ng/ul	0.00
78) Pyrene-d10	19.42	212	108087	3.95	ng/ul	0.00
89) Benzo(a)pyrene-d12	23.30	264	93935	3.59	ng/ul	0.00

Target Compounds

						Qvalue
14) Acetophenone	8.42	105	27060	2.74	ng/ul	100
28) Naphthalene	10.44	128	53973	2.29	ng/ul	96
44) Dimethylphthalate	13.72	163	28989	1.40	ng/ul#	93
47) Acenaphthylene	13.98	152	28373	1.03	ng/ul	93
49) Acenaphthene	14.33	153	38259	2.07	ng/ul	97
53) Dibenzofuran	14.66	168	36286	1.45	ng/ul	100
58) Fluorene	15.31	166	45929	2.07	ng/ul	97
69) Phenanthrene	17.05	178	828712	26.96	ng/ul	98
71) Anthracene	17.15	178	159752	5.05	ng/ul	97
74) Carbazole	17.42	167	54344	2.06	ng/ul	99
76) Fluoranthene	19.09	202	1225719	41.39	ng/ul	97
79) Pyrene	19.45	202	1222316	34.76	ng/ul	99
82) Benzo(a)anthracene	21.20	228	560758	17.66	ng/ul	96
84) Chrysene	21.25	228	548645	18.25	ng/ul	97
87) Benzo(b)fluoranthene	22.78	252	643992	18.95	ng/ul	95
88) Benzo(k)fluoranthene	22.78	252	243824	7.61	ng/ul	97
90) Benzo(a)pyrene	23.35	252	477757	14.79	ng/ul	98
91) Indeno(1,2,3-cd)pyrene	25.70	276	303472	8.61	ng/ul	97
92) Dibenzo(a,h)anthracene	25.71	278	74745	2.51	ng/ul#	78
93) Benzo(g,h,i)perylene	26.39	276	140818	4.77	ng/ul#	92

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



#14

Acetophenone

Concen: 2.74 ng/ul

RT: 8.42 min Scan# 976

Delta R.T. 0.00 min

Lab File: BG017795.D

Acq: 7 Jul 2015 14:22

Instrument :

BNA_G

ClientSampleId :

G93H9DL

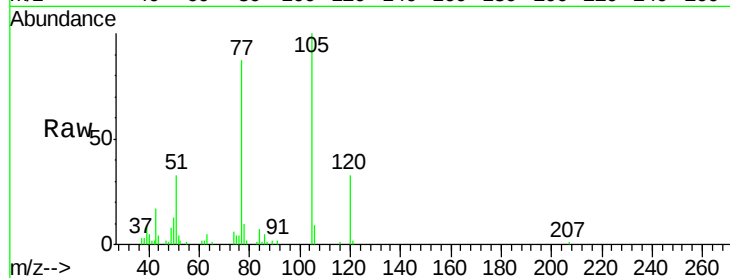
Tgt Ion:105 Resp: 27060

Ion Ratio Lower Upper

105 100

77 86.8 69.5 104.3

51 32.8 26.7 40.1

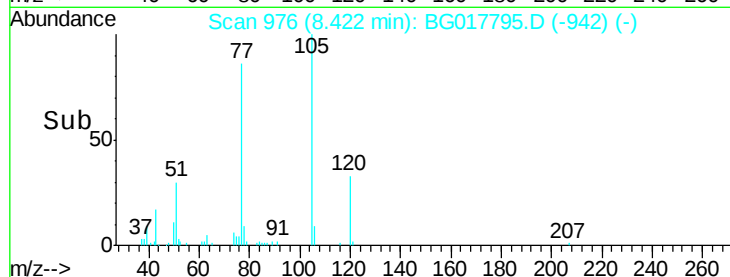


Abundance Ion 105.00 (104.70 to 105.70): E

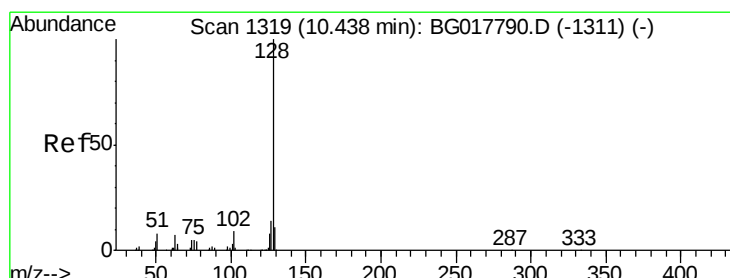
Ion 77.00 (76.70 to 77.70): BG017795.D (-942) (-)

Ion 51.00 (50.70 to 51.70): BG017795.D (-942) (-)

Time-->



Time-->



#28

Naphthalene

Concen: 2.29 ng/ul

RT: 10.44 min Scan# 1319

Delta R.T. 0.00 min

Lab File: BG017795.D

Acq: 7 Jul 2015 14:22

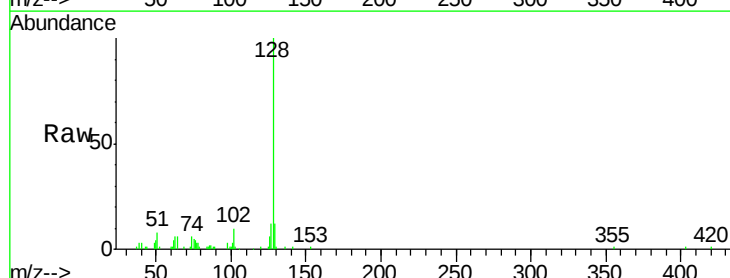
Tgt Ion:128 Resp: 53973

Ion Ratio Lower Upper

128 100

129 11.7 8.7 13.1

127 11.8 11.0 16.6

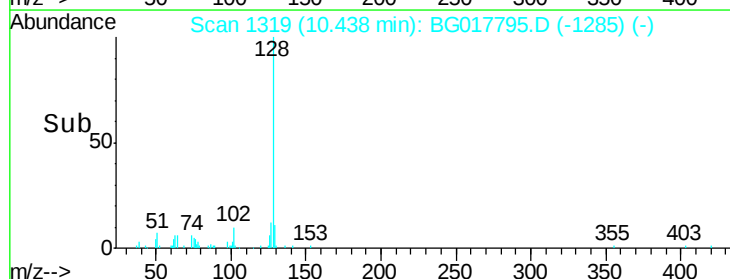


Abundance Ion 128.00 (127.70 to 128.70): E

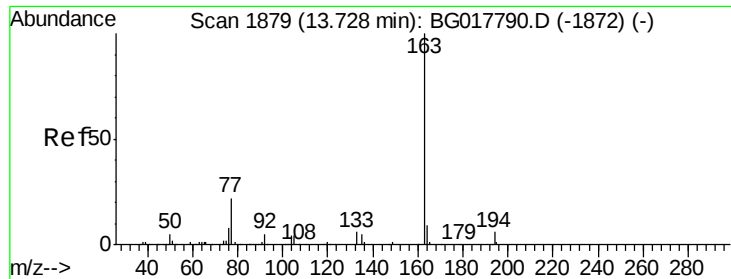
Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E

Time-->



Time-->



#44

Dimethylphthalate

Concen: 1.40 ng/ul

RT: 13.72 min Scan# 1878

Delta R.T. -0.01 min

Lab File: BG017795.D

Acq: 7 Jul 2015 14:22

Instrument :

BNA_G

ClientSampleId :

G93H9DL

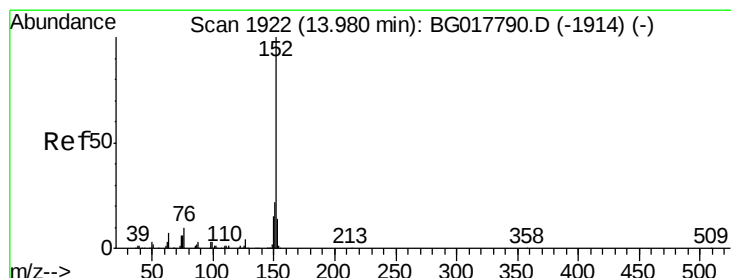
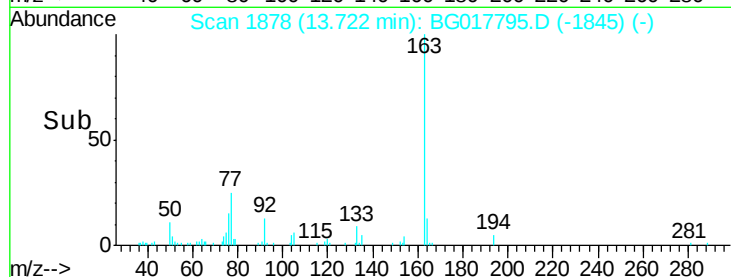
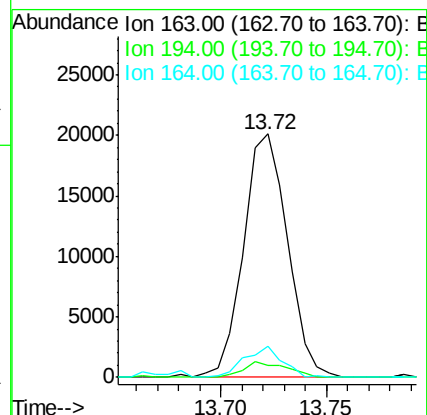
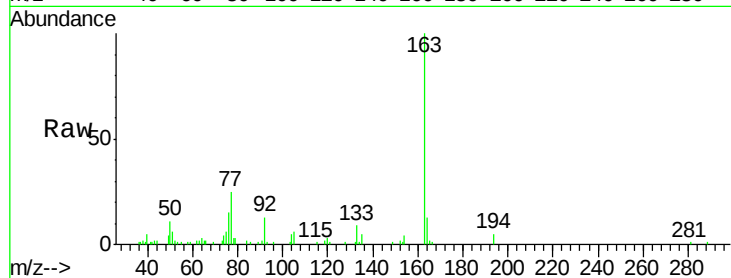
Tgt Ion:163 Resp: 28989

Ion Ratio Lower Upper

163 100

194 4.9 5.4 8.0#

164 12.7 7.7 11.5#



#47

Acenaphthylene

Concen: 1.03 ng/ul

RT: 13.98 min Scan# 1922

Delta R.T. 0.00 min

Lab File: BG017795.D

Acq: 7 Jul 2015 14:22

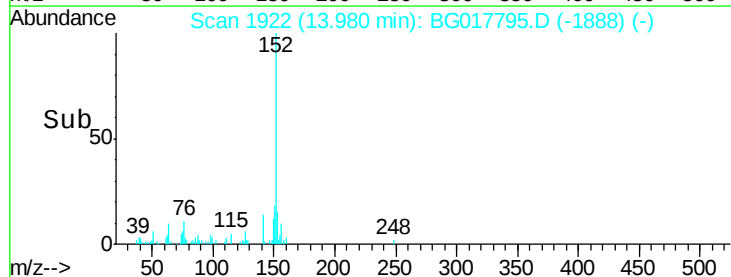
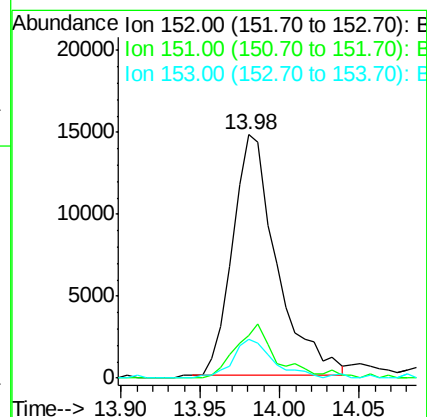
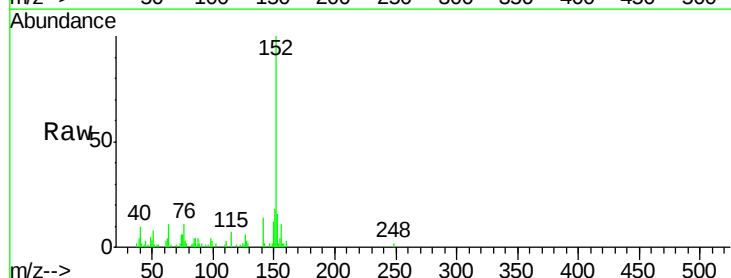
Tgt Ion:152 Resp: 28373

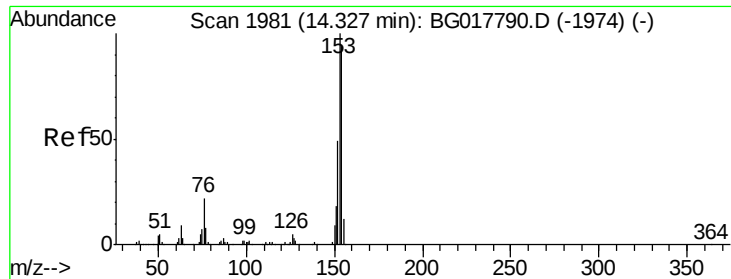
Ion Ratio Lower Upper

152 100

151 17.7 17.0 25.6

153 15.9 11.2 16.8





#49

Acenaphthene

Concen: 2.07 ng/ul

RT: 14.33 min Scan# 1981

Delta R.T. 0.00 min

Lab File: BG017795.D

Acq: 7 Jul 2015 14:22

Instrument :

BNA_G

ClientSampleId :

G93H9DL

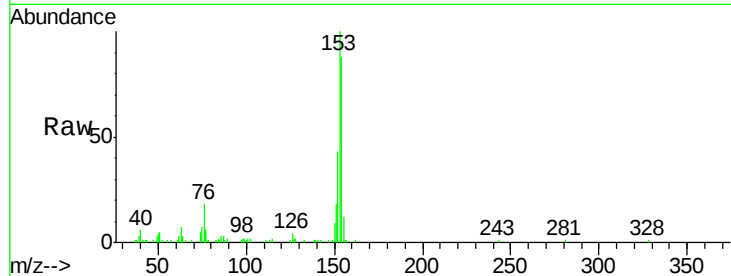
Tgt Ion:153 Resp: 38259

Ion Ratio Lower Upper

153 100

152 42.8 37.8 56.6

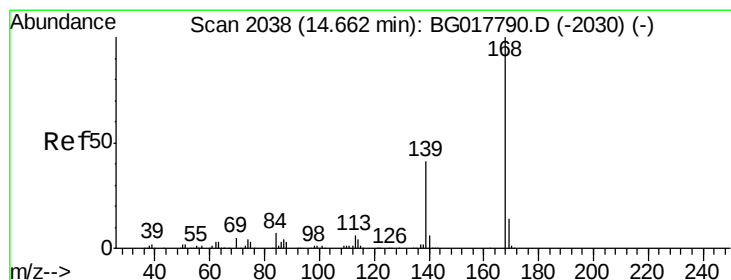
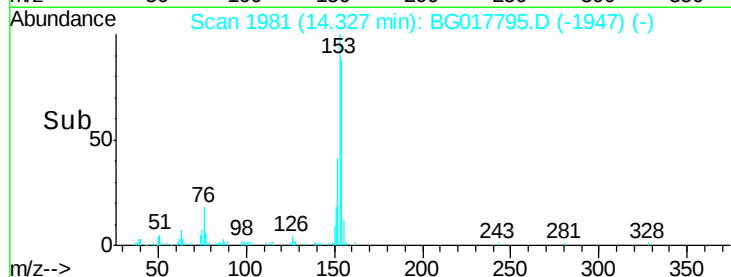
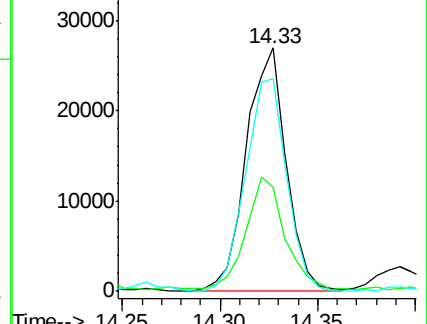
154 87.5 71.2 106.8



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: 1.45 ng/ul

RT: 14.66 min Scan# 2038

Delta R.T. 0.00 min

Lab File: BG017795.D

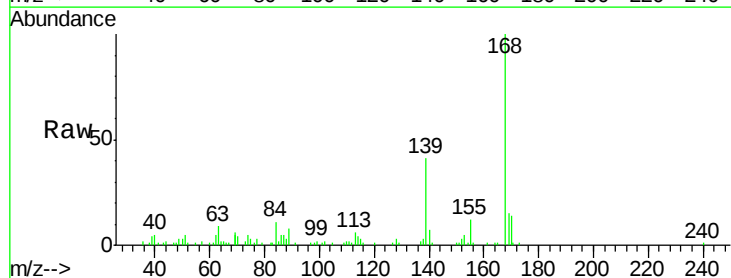
Acq: 7 Jul 2015 14:22

Tgt Ion:168 Resp: 36286

Ion Ratio Lower Upper

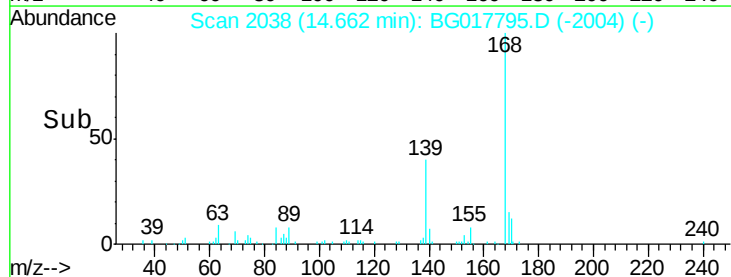
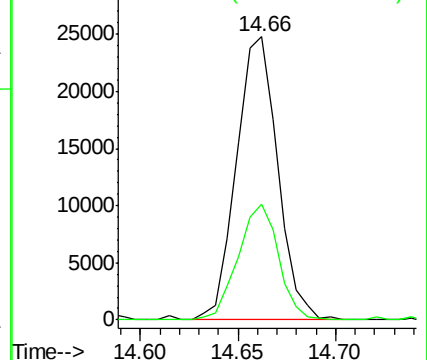
168 100

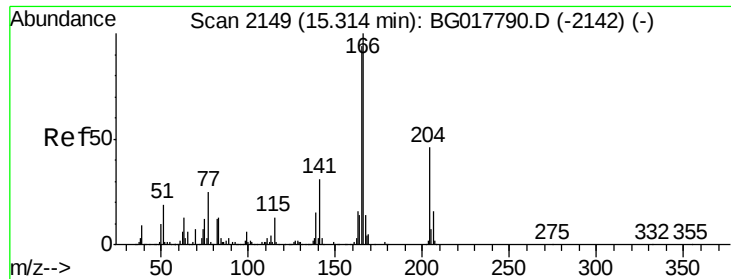
139 40.8 32.7 49.1



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E





#58

Fluorene

Concen: 2.07 ng/ul

RT: 15.31 min Scan# 2149

Delta R.T. 0.00 min

Lab File: BG017795.D

Acq: 7 Jul 2015 14:22

Instrument :

BNA_G

ClientSampleId :

G93H9DL

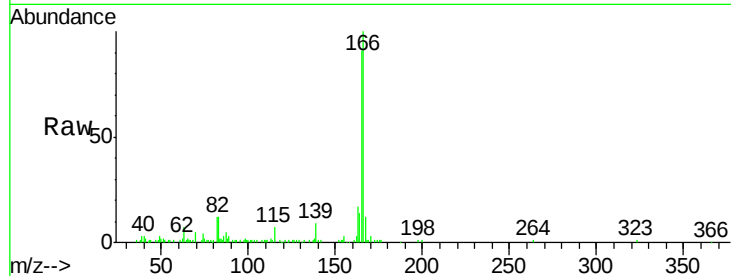
Tgt Ion:166 Resp: 45929

Ion Ratio Lower Upper

166 100

165 91.1 75.7 113.5

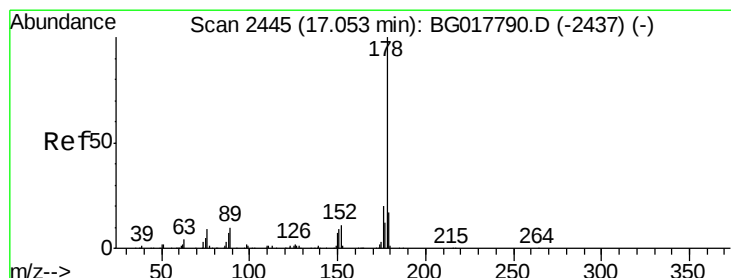
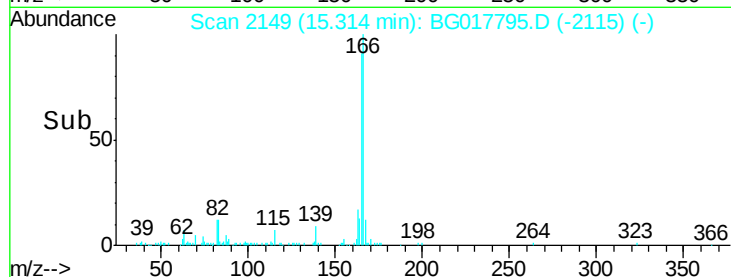
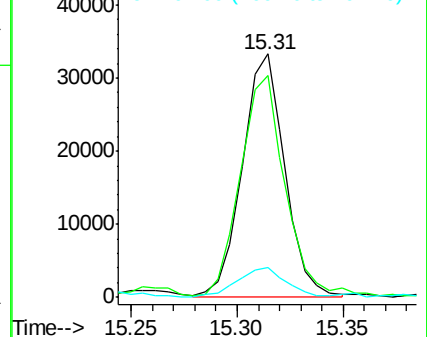
167 12.3 10.1 15.1



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: 26.96 ng/ul

RT: 17.05 min Scan# 2445

Delta R.T. 0.00 min

Lab File: BG017795.D

Acq: 7 Jul 2015 14:22

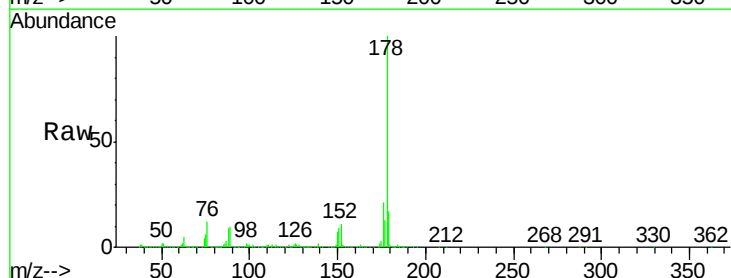
Tgt Ion:178 Resp: 828712

Ion Ratio Lower Upper

178 100

179 17.0 13.0 19.4

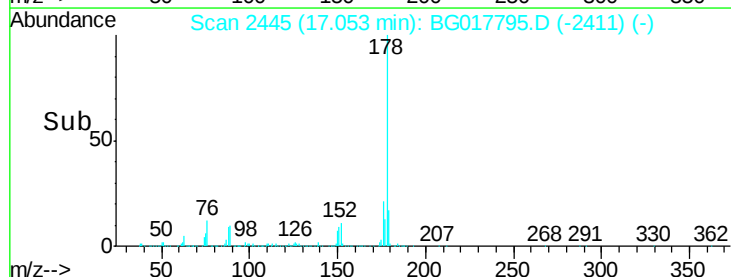
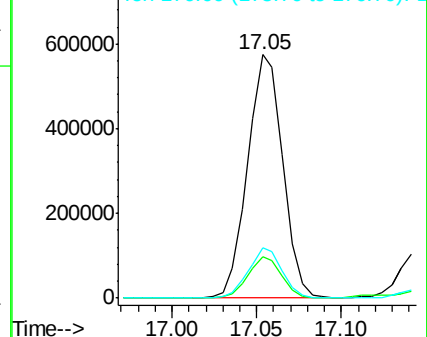
176 20.6 17.0 25.4

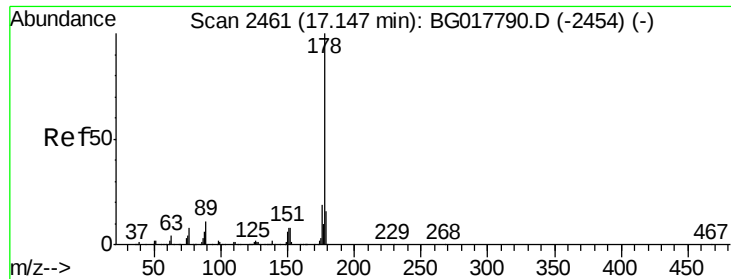


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E

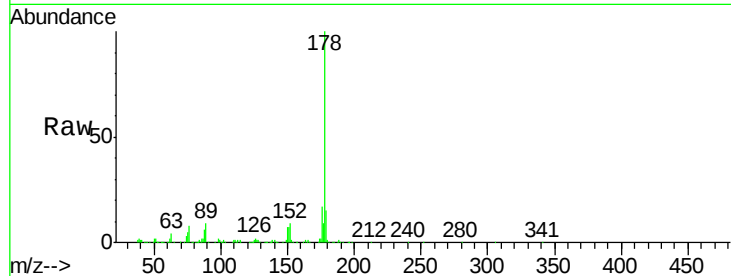




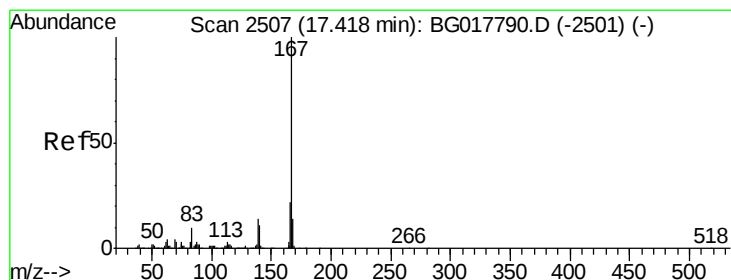
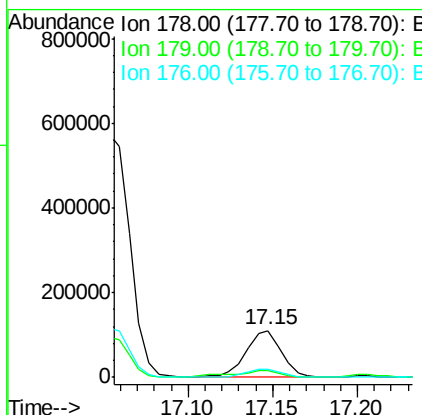
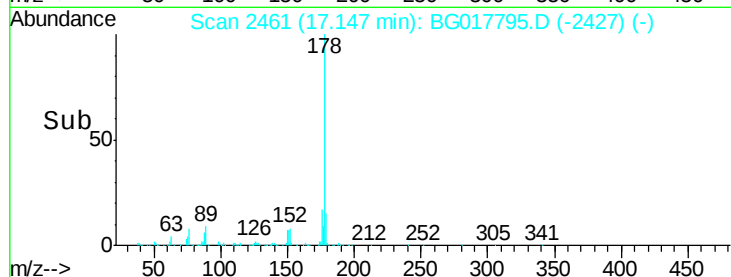
#71
 Anthracene
 Concen: 5.05 ng/ul
 RT: 17.15 min Scan# 2461
 Delta R.T. 0.00 min
 Lab File: BG017795.D
 Acq: 7 Jul 2015 14:22

Instrument :
 BNA_G
 ClientSampleId :
 G93H9DL

Tgt Ion	Ratio	Lower	Upper
178	100		
179	15.2	12.4	18.6
176	17.0	15.3	22.9

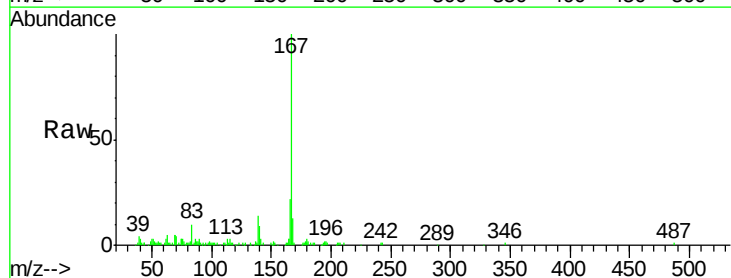


Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 179.00 (178.70 to 179.70): E
 Ion 176.00 (175.70 to 176.70): E

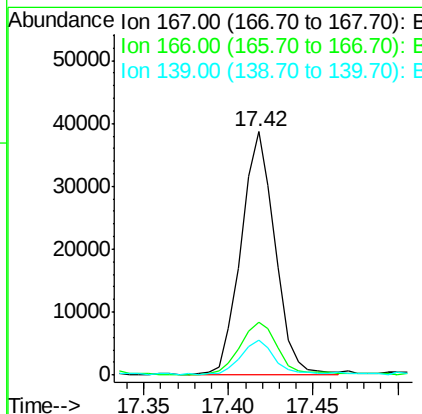
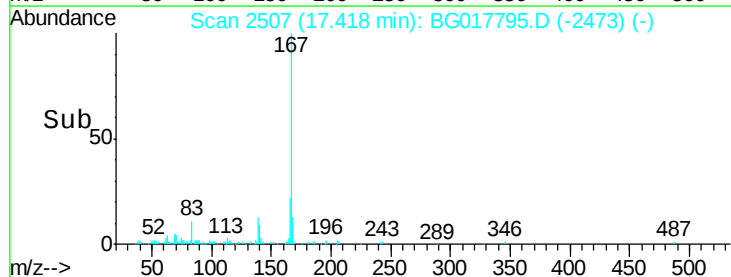


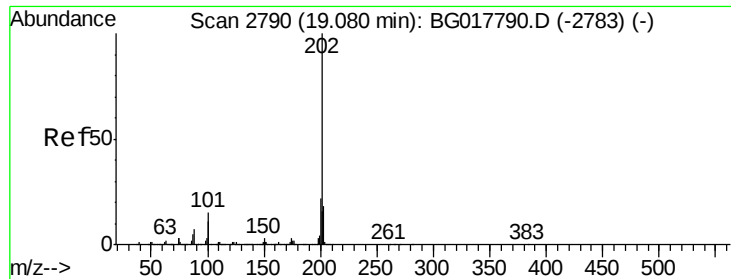
#74
 Carbazole
 Concen: 2.06 ng/ul
 RT: 17.42 min Scan# 2507
 Delta R.T. 0.00 min
 Lab File: BG017795.D
 Acq: 7 Jul 2015 14:22

Tgt Ion	Ratio	Lower	Upper
167	100		
166	21.9	18.0	27.0
139	14.2	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: 41.39 ng/ul

RT: 19.09 min Scan# 2791

Delta R.T. 0.01 min

Lab File: BG017795.D

Acq: 7 Jul 2015 14:22

Instrument :

BNA_G

ClientSampleID :

G93H9DL

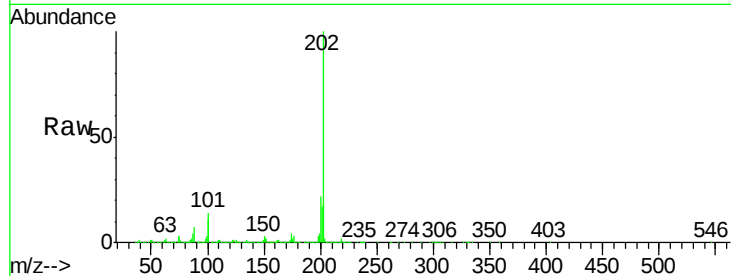
Tgt Ion:202 Resp: 1225719

Ion Ratio Lower Upper

202 100

101 14.0 12.6 18.8

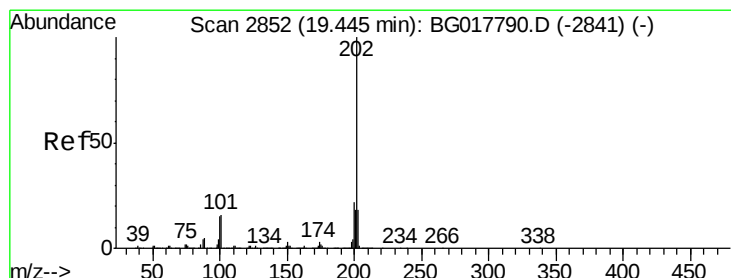
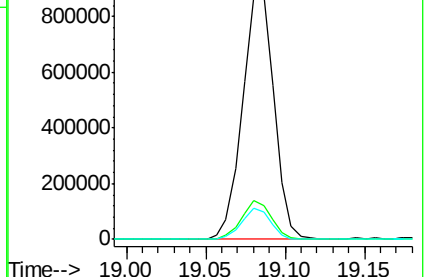
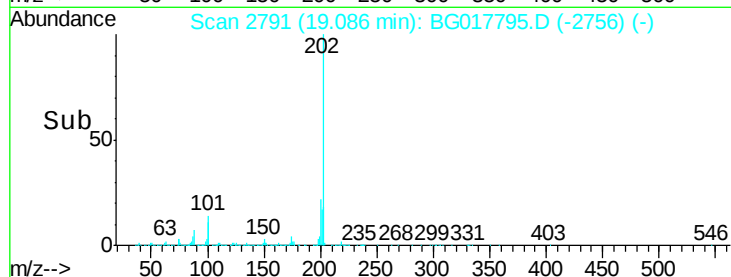
100 11.3 9.1 13.7



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: 34.76 ng/ul

RT: 19.45 min Scan# 2853

Delta R.T. 0.01 min

Lab File: BG017795.D

Acq: 7 Jul 2015 14:22

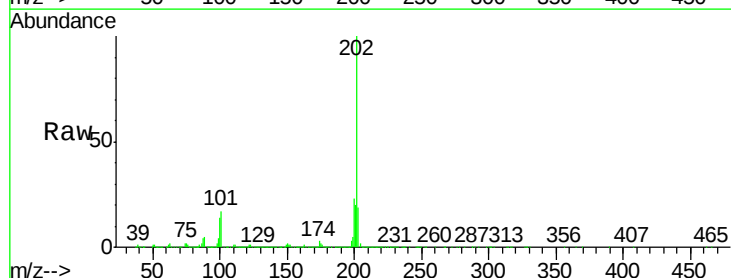
Tgt Ion:202 Resp: 1222316

Ion Ratio Lower Upper

202 100

101 16.7 13.1 19.7

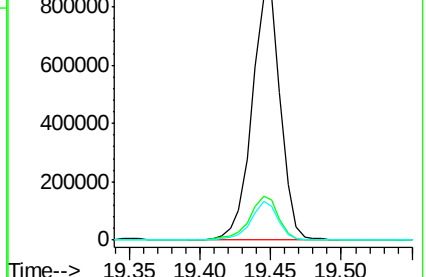
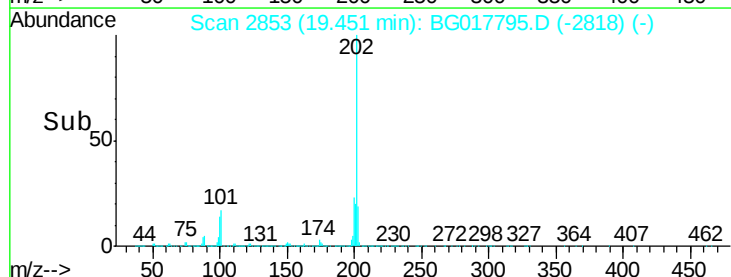
100 13.6 11.3 16.9

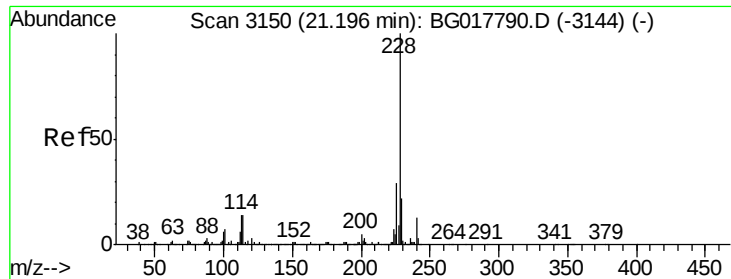


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#82

Benzo(a)anthracene

Concen: 17.66 ng/ul

RT: 21.20 min Scan# 3151

Delta R.T. 0.01 min

Lab File: BG017795.D

Acq: 7 Jul 2015 14:22

Instrument :

BNA_G

ClientSampleId :

G93H9DL

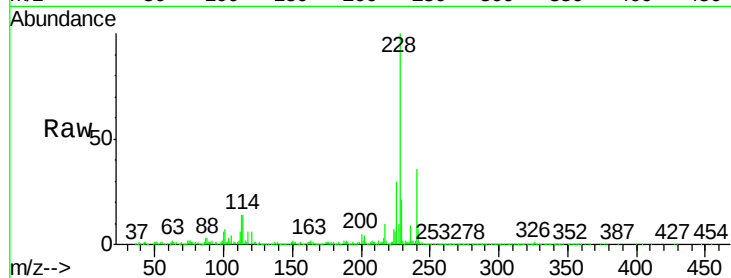
Tgt Ion:228 Resp: 560758

Ion Ratio Lower Upper

228 100

229 20.9 15.8 23.8

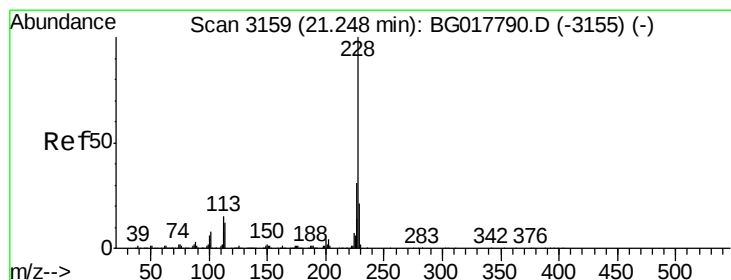
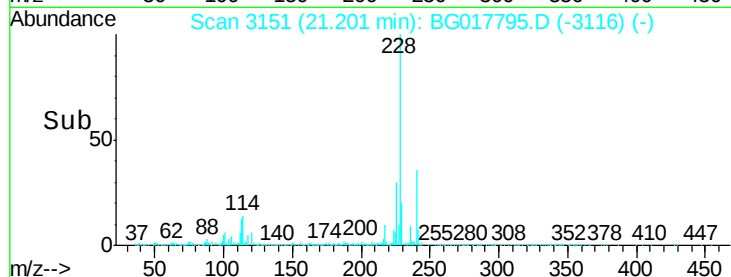
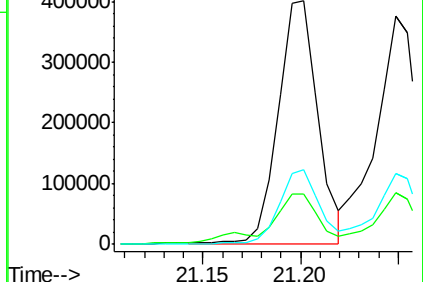
226 30.4 22.2 33.2



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: 18.25 ng/ul

RT: 21.25 min Scan# 3159

Delta R.T. 0.00 min

Lab File: BG017795.D

Acq: 7 Jul 2015 14:22

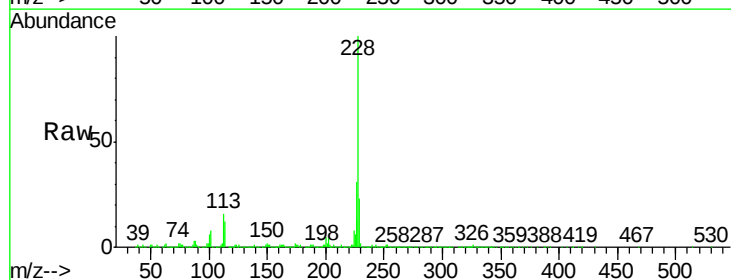
Tgt Ion:228 Resp: 548645

Ion Ratio Lower Upper

228 100

226 31.0 25.6 38.4

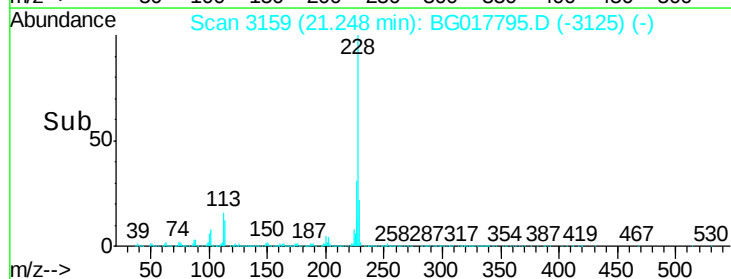
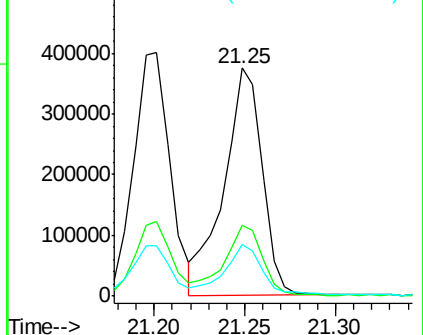
229 22.6 16.4 24.6

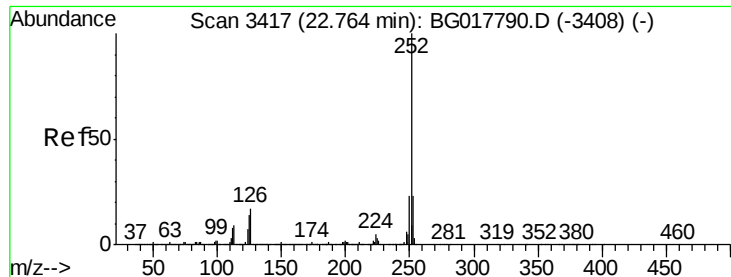


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

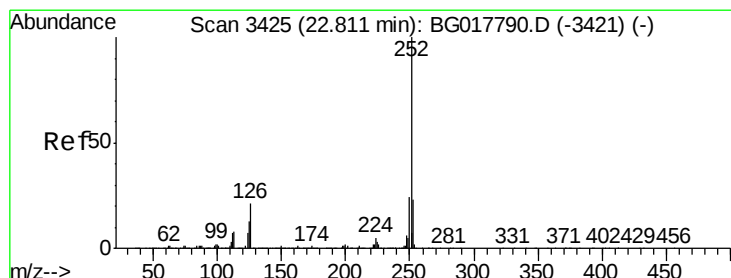
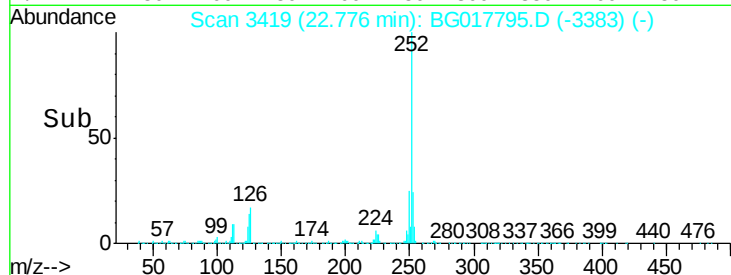
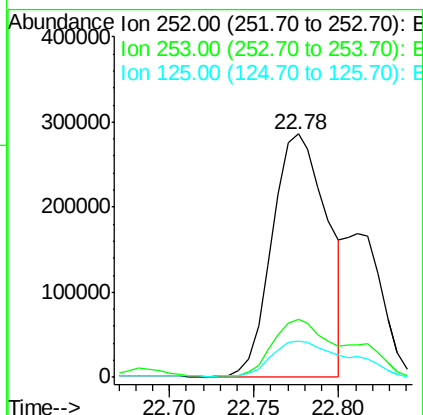
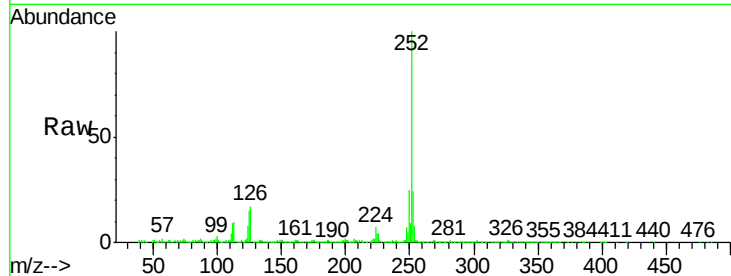




#87
Benzo(b)fluoranthene
Concen: 18.95 ng/ul
RT: 22.78 min Scan# 3419
Delta R.T. 0.01 min
Lab File: BG017795.D
Acq: 7 Jul 2015 14:22

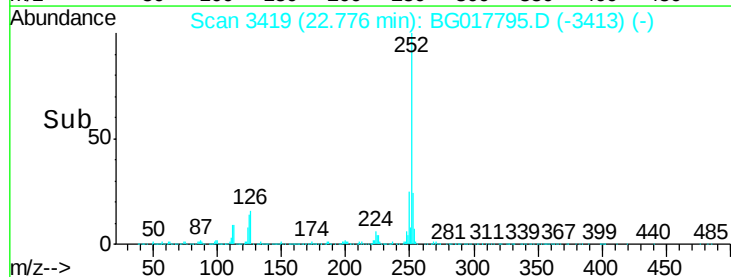
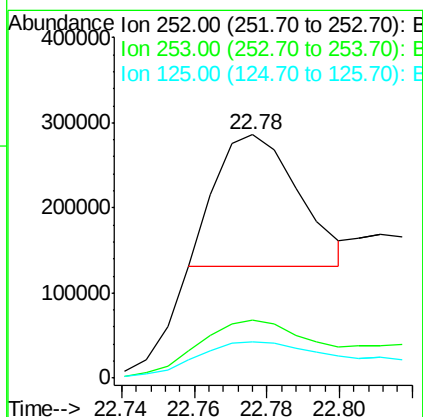
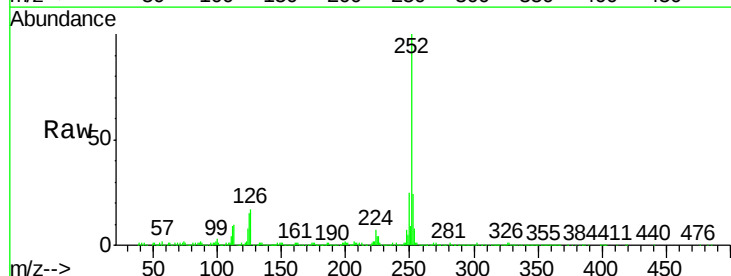
Instrument :
BNA_G
ClientSampleId :
G93H9DL

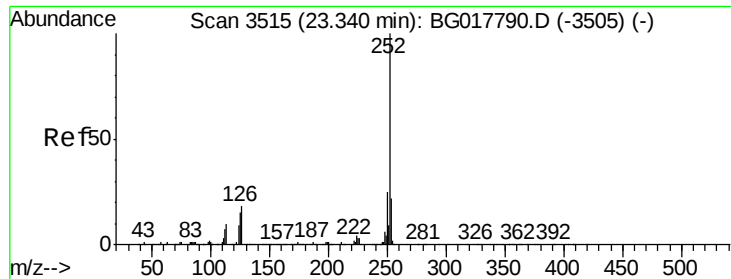
Tgt Ion:252 Resp: 643992
Ion Ratio Lower Upper
252 100
253 23.8 16.8 25.2
125 14.8 10.4 15.6



#88
Benzo(k)fluoranthene
Concen: 7.61 ng/ul
RT: 22.78 min Scan# 3419
Delta R.T. -0.04 min
Lab File: BG017795.D
Acq: 7 Jul 2015 14:22

Tgt Ion:252 Resp: 243824
Ion Ratio Lower Upper
252 100
253 23.8 17.6 26.4
125 14.8 11.6 17.4





#90

Benzo(a)pyrene

Concen: 14.79 ng/ul

RT: 23.35 min Scan# 3516

Delta R.T. 0.01 min

Lab File: BG017795.D

Acq: 7 Jul 2015 14:22

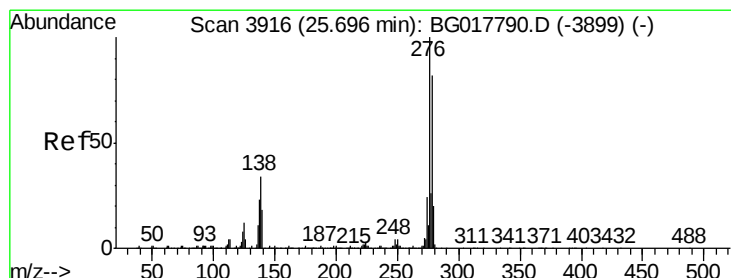
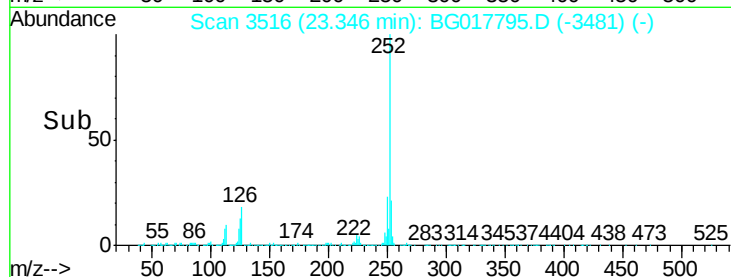
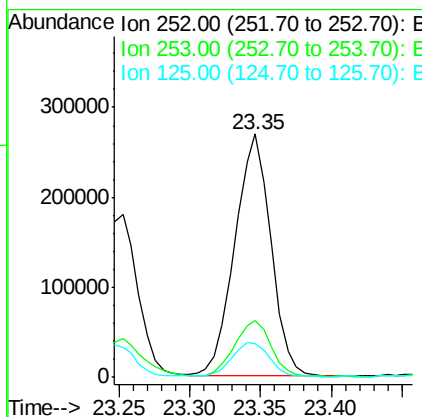
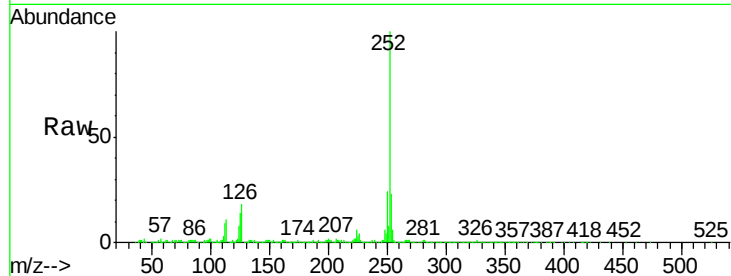
Instrument :

BNA_G

ClientSampleId :

G93H9DL

Tgt Ion:	252	Resp:	477757
Ion Ratio		Lower	Upper
252	100		
253	23.4	18.3	27.5
125	13.9	12.1	18.1



#91

Indeno(1,2,3-cd)pyrene

Concen: 8.61 ng/ul

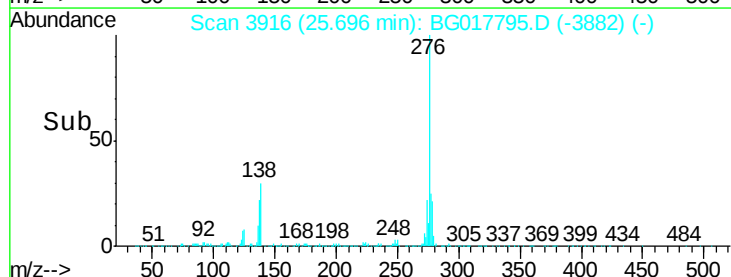
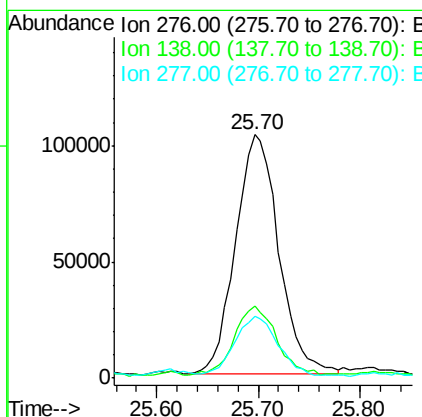
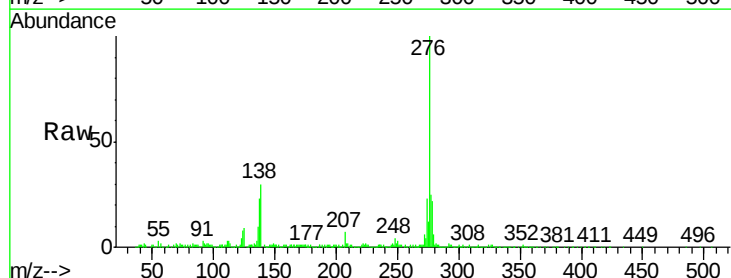
RT: 25.70 min Scan# 3916

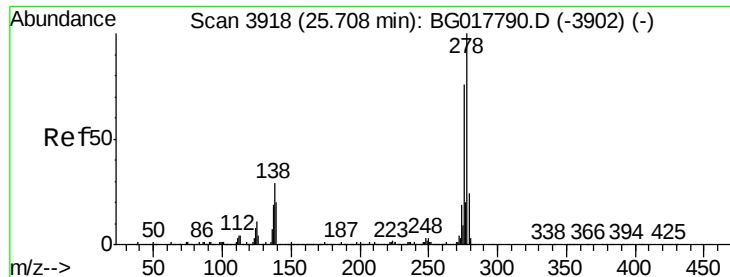
Delta R.T. 0.00 min

Lab File: BG017795.D

Acq: 7 Jul 2015 14:22

Tgt Ion:	276	Resp:	303472
Ion Ratio		Lower	Upper
276	100		
138	29.6	26.1	39.1
277	25.5	20.9	31.3





#92

Dibenzo(a,h)anthracene

Concen: 2.51 ng/ul

RT: 25.71 min Scan# 3918

Delta R.T. 0.00 min

Lab File: BG017795.D

Acq: 7 Jul 2015 14:22

Instrument :

BNA_G

ClientSampleId :

G93H9DL

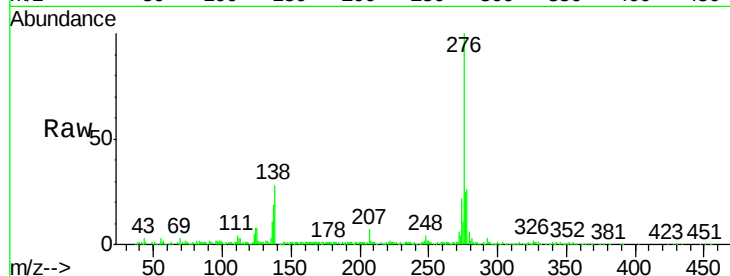
Tgt Ion:278 Resp: 74745

Ion Ratio Lower Upper

278 100

139 0.0 16.3 24.5#

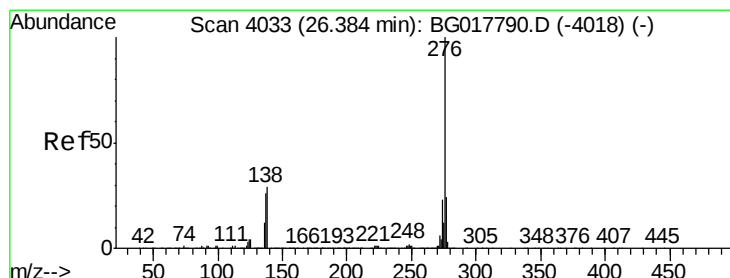
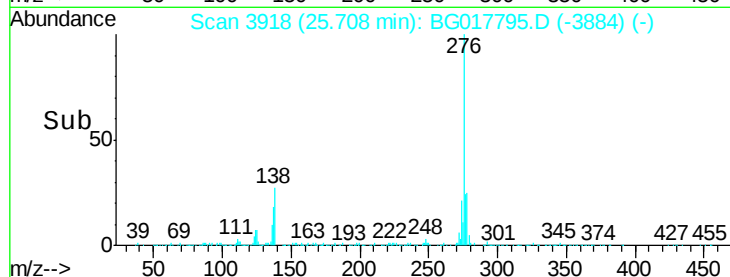
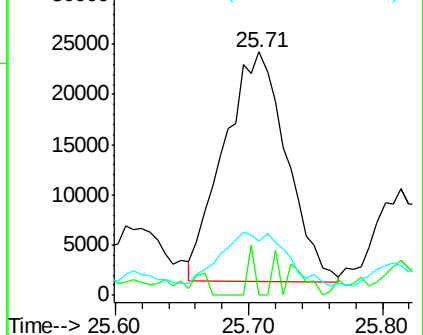
279 22.3 18.7 28.1



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: 4.77 ng/ul

RT: 26.39 min Scan# 4034

Delta R.T. 0.01 min

Lab File: BG017795.D

Acq: 7 Jul 2015 14:22

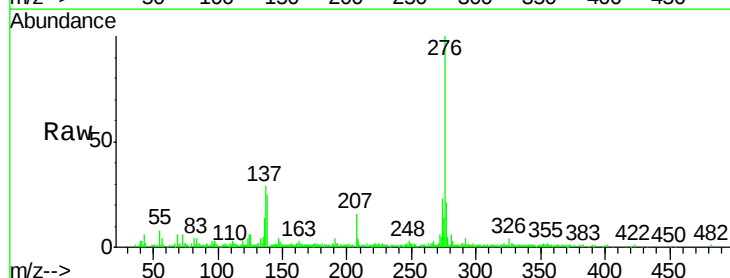
Tgt Ion:276 Resp: 140818

Ion Ratio Lower Upper

276 100

138 25.1 25.1 37.7#

277 21.5 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

