

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG070715\
 Data File : BG017791.D
 Acq On : 7 Jul 2015 11:44
 Operator : TP/UM
 Sample : G2860-04RE
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 G93H9

Quant Time: Jul 08 03:37:13 2015
 Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG070615.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Wed Jul 08 03:36:00 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.60	152	67571	20.00	ng/ul	0.00
18) Naphthalene-d8	10.39	136	316850	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.26	164	190670	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.01	188	384248	20.00	ng/ul	0.00
77) Chrysene-d12	21.21	240	404000	20.00	ng/ul	0.00
85) Perylene-d12	23.44	264	397492	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.13	96	4831	2.83	ng/uL	0.00
5) Phenol-d5	6.78	99	91158	15.98	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	6.95	67	55655	16.28	ng/ul	0.00
9) 2-Chlorophenol-d4	7.14	132	72103	14.77	ng/ul	0.00
13) 4-Methylphenol-d8	8.31	113	61459	13.17	ng/ul	0.00
19) Nitrobenzene-d5	8.75	128	39022	16.46	ng/ul	0.00
22) 2-Nitrophenol-d4	9.47	143	40050	16.91	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.00	165	66122	14.63	ng/ul	0.00
29) 4-Chloroaniline-d4	10.53	131	61645	10.04	ng/ul	0.00
43) Dimethylphthalate-d6	13.68	166	199551	15.81	ng/ul	0.00
46) Acenaphthylene-d8	13.95	160	238124	14.00	ng/ul	0.00
51) 4-Nitrophenol-d4	14.46	143	30449	12.03	ng/ul	0.00
57) Fluorene-d10	15.26	176	166212	12.91	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.38	200	13466	7.56	ng/ul	0.00
70) Anthracene-d10	17.11	188	245296	14.01	ng/ul	0.00
78) Pyrene-d10	19.42	212	220906	11.50	ng/ul	0.00
89) Benzo(a)pyrene-d12	23.30	264	193021	11.03	ng/ul	0.00

Target Compounds

					Qvalue
6) Phenol	6.81	94	8477	1.38 ng/ul#	84
14) Acetophenone	8.42	105	58700	8.54 ng/ul	99
28) Naphthalene	10.43	128	107434	6.55 ng/ul	98
34) 2-Methylnaphthalene	12.05	142	25506	2.19 ng/ul	97
44) Dimethylphthalate	13.72	163	61955	4.42 ng/ul#	95
47) Acenaphthylene	13.98	152	55340	2.98 ng/ul#	96
49) Acenaphthene	14.32	153	77225	6.16 ng/ul	100
53) Dibenzofuran	14.66	168	76567	4.53 ng/ul	96
58) Fluorene	15.31	166	90706	6.05 ng/ul#	92
69) Phenanthrene	17.05	178	1587539	75.59 ng/ul	96
71) Anthracene	17.14	178	319293	14.78 ng/ul	98
74) Carbazole	17.42	167	113856	6.33 ng/ul	95
76) Fluoranthene	19.09	202	2197929	108.62 ng/ul#	92
82) Benzo(a)anthracene	21.20	228	1109520	49.84 ng/ul	94
84) Chrysene	21.25	228	1098533	52.10 ng/ul	97
87) Benzo(b)fluoranthene	22.78	252	1322803	58.22 ng/ul	93
88) Benzo(k)fluoranthene	22.78	252	879227	41.06 ng/ul	96
90) Benzo(a)pyrene	23.35	252	984940	45.62 ng/ul	99
91) Indeno(1,2,3-cd)pyrene	25.70	276	630668	26.75 ng/ul	97
92) Dibenzo(a,h)anthracene	25.70	278	157366	7.90 ng/ul#	79
93) Benzo(g,h,i)perylene	26.39	276	292000	14.81 ng/ul	96

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Quant Title : SVOA CALIBRATION
QLast Update : Wed Jul 08 03:36:00 2015
Response via : Initial Calibration

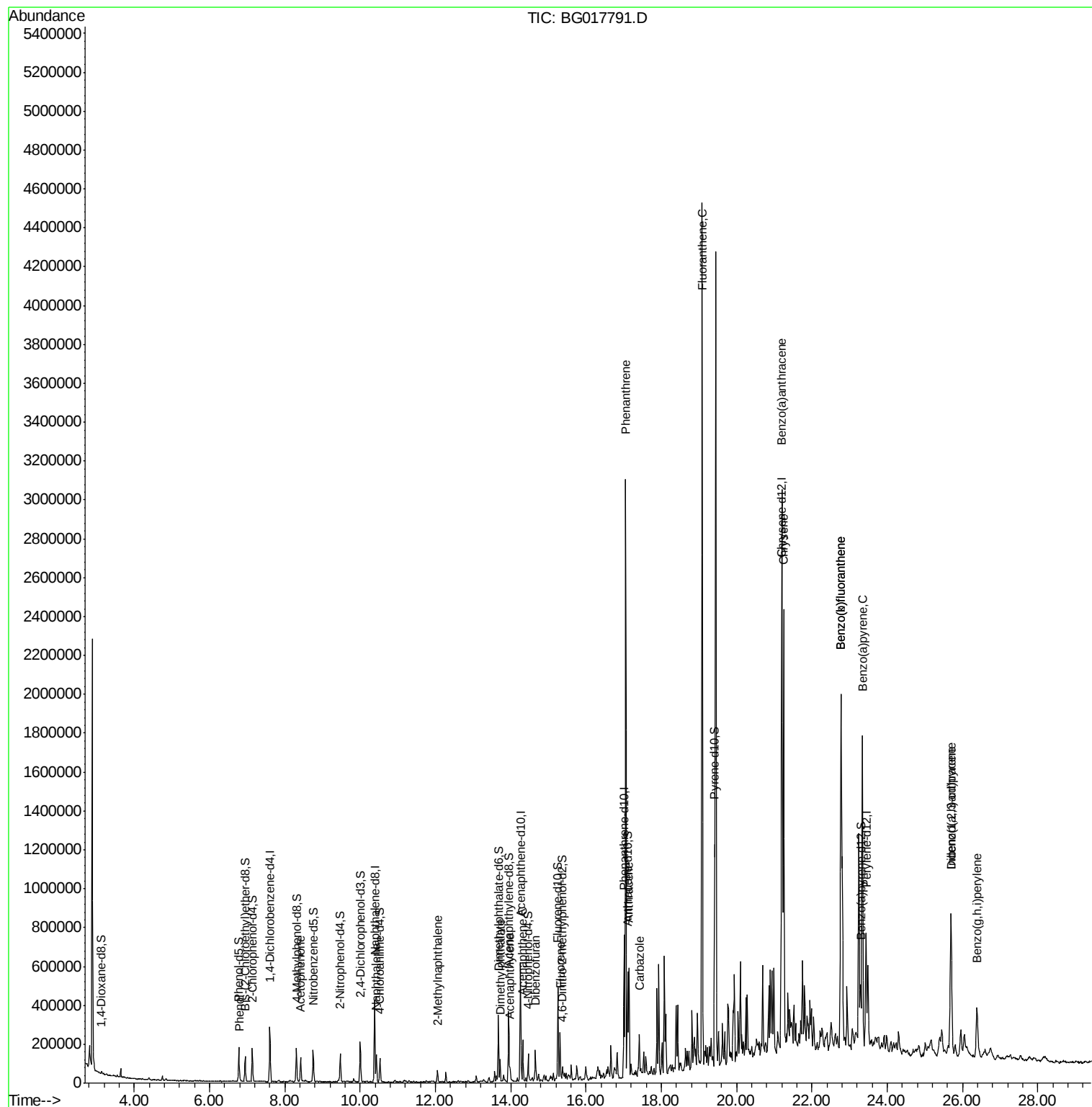
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

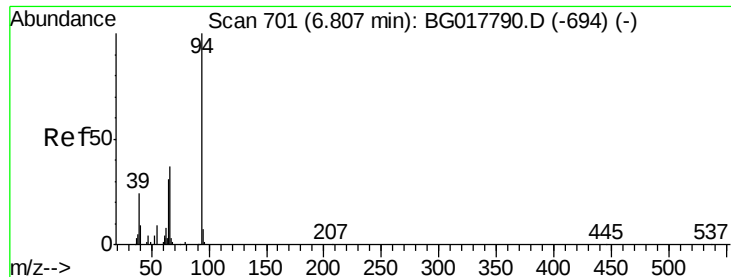
(#)=qualifier out of range (m)=manual integration (+)=signals summed						

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#6

Phenol

Concen: 1.38 ng/ul

RT: 6.81 min Scan# 701

Delta R.T. 0.00 min

Lab File: BG017791.D

Acq: 7 Jul 2015 11:44

Instrument :

BNA_G

ClientSampleId :

G93H9

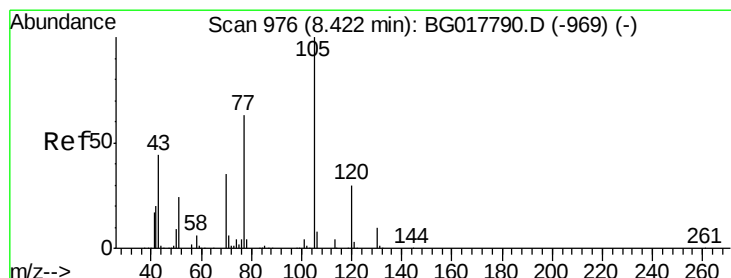
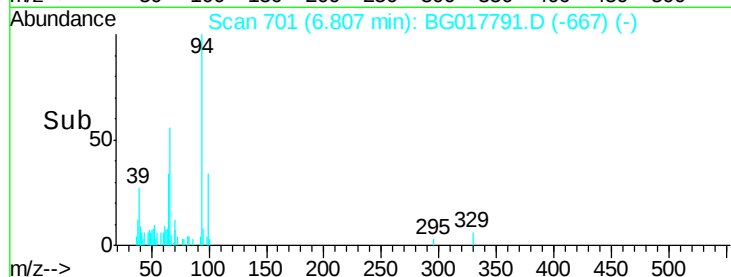
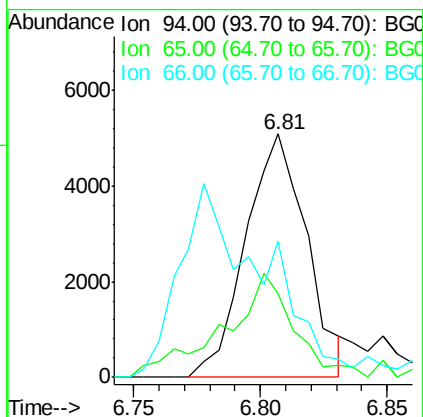
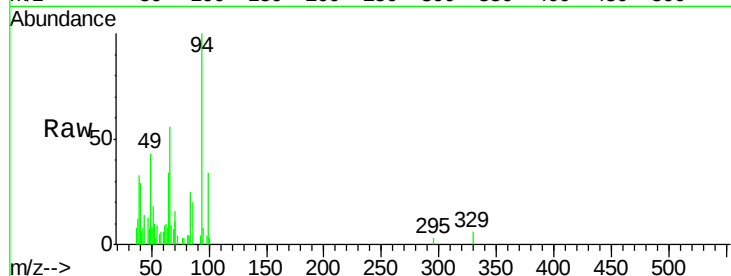
Tgt Ion: 94 Resp: 8477

Ion Ratio Lower Upper

94 100

65 34.5 24.2 36.4

66 55.7 33.4 50.2#



#14

Acetophenone

Concen: 8.54 ng/ul

RT: 8.42 min Scan# 976

Delta R.T. 0.00 min

Lab File: BG017791.D

Acq: 7 Jul 2015 11:44

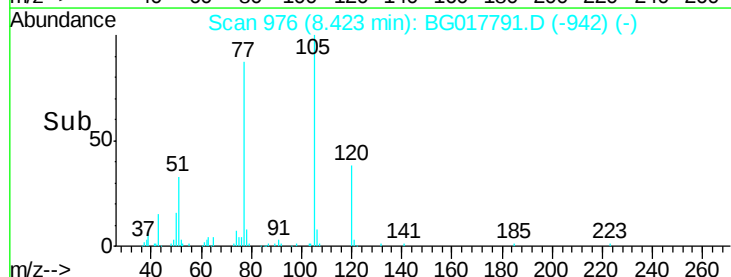
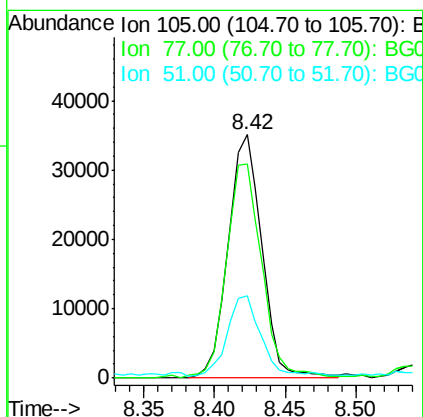
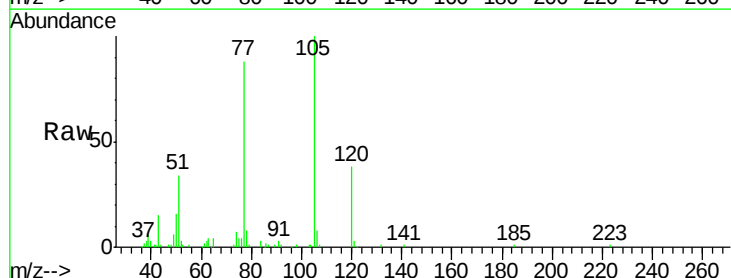
Tgt Ion: 105 Resp: 58700

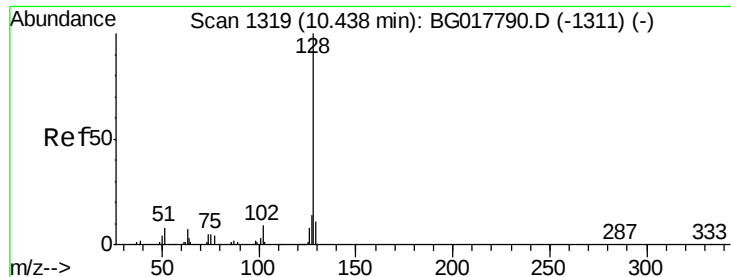
Ion Ratio Lower Upper

105 100

77 87.8 69.5 104.3

51 33.8 26.7 40.1





#28

Naphthalene

Concen: 6.55 ng/ul

RT: 10.43 min Scan# 1318

Delta R.T. -0.01 min

Lab File: BG017791.D

Acq: 7 Jul 2015 11:44

Instrument :

BNA_G

ClientSampleId :

G93H9

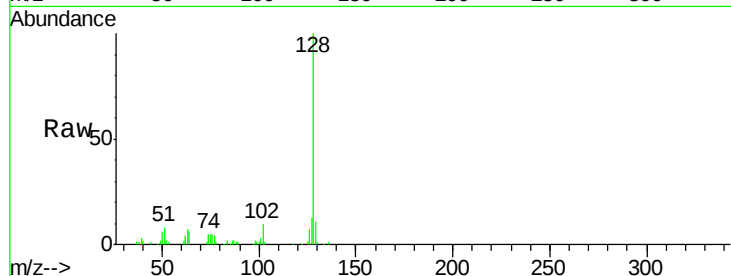
Tgt Ion:128 Resp: 107434

Ion Ratio Lower Upper

128 100

129 11.3 8.7 13.1

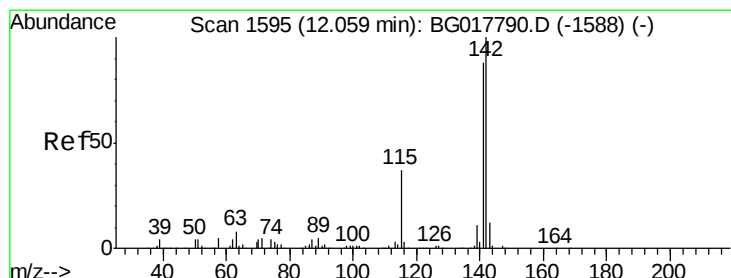
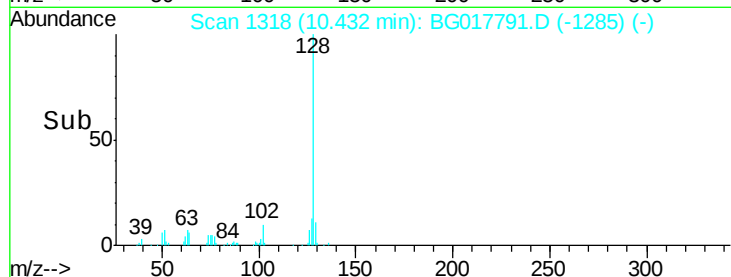
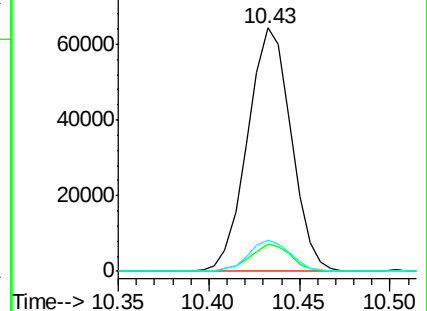
127 12.8 11.0 16.6



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: 2.19 ng/ul

RT: 12.05 min Scan# 1594

Delta R.T. -0.01 min

Lab File: BG017791.D

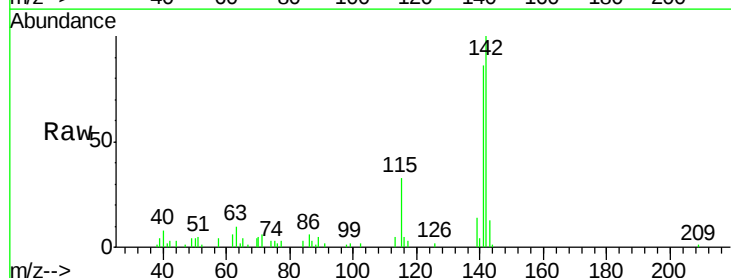
Acq: 7 Jul 2015 11:44

Tgt Ion:142 Resp: 25506

Ion Ratio Lower Upper

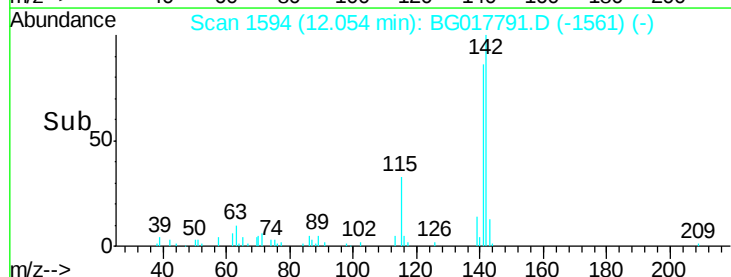
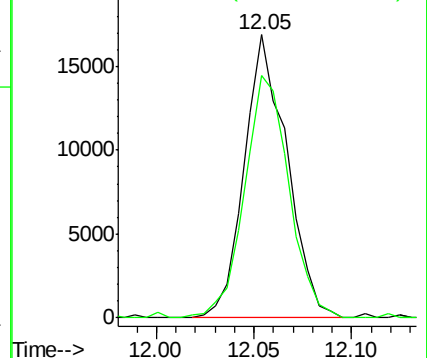
142 100

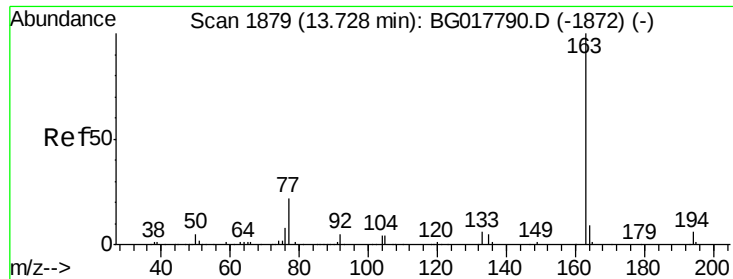
141 85.6 66.6 100.0



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

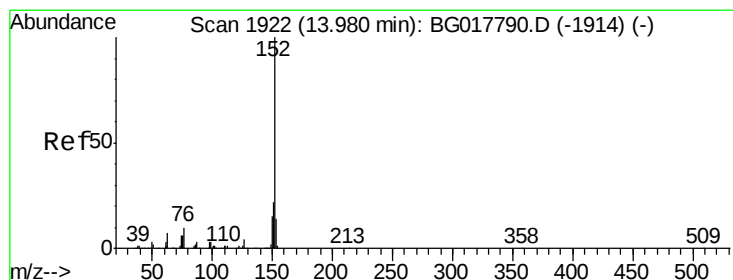
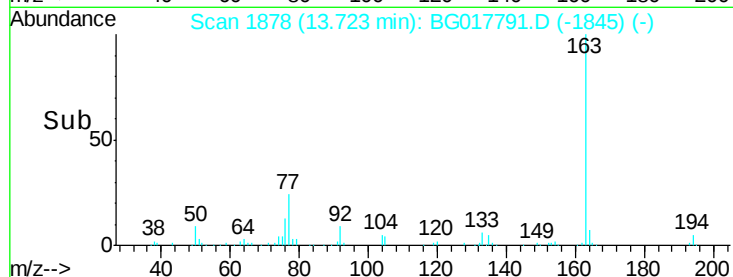
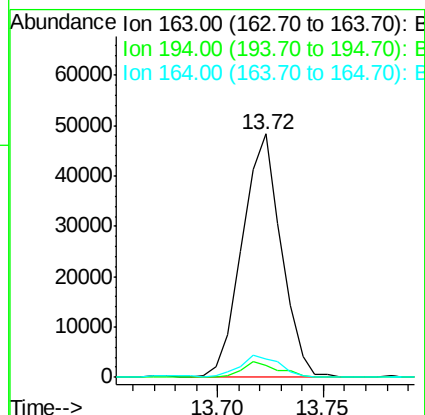
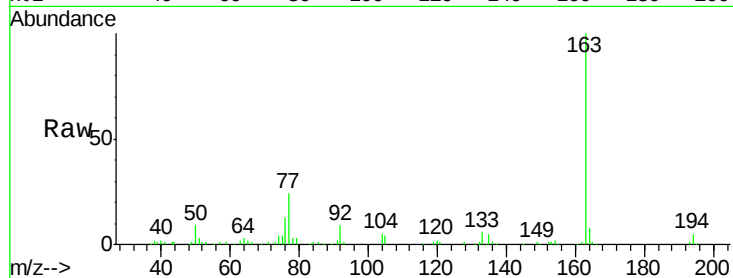




#44
Dimethylphthalate
Concen: 4.42 ng/ul
RT: 13.72 min Scan# 1878
Delta R.T. -0.01 min
Lab File: BG017791.D
Acq: 7 Jul 2015 11:44

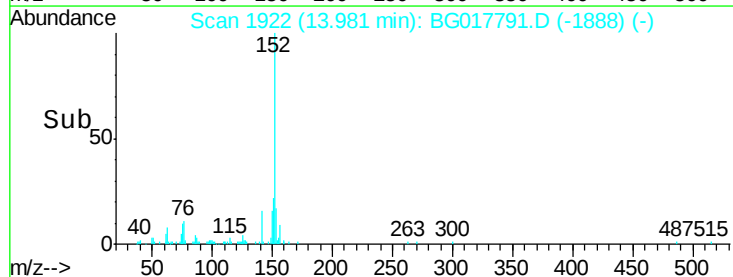
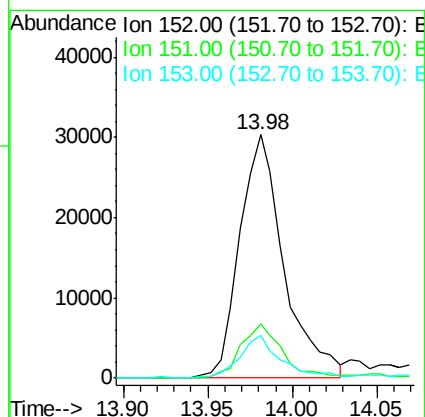
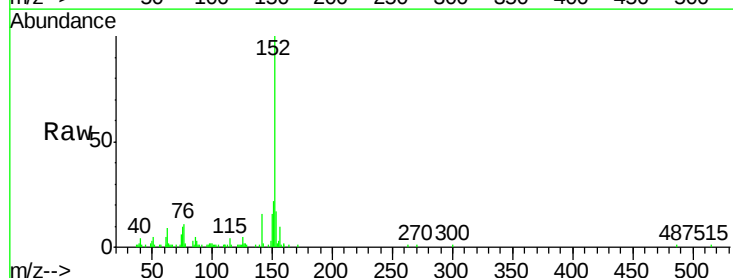
Instrument :
BNA_G
ClientSampleId :
G93H9

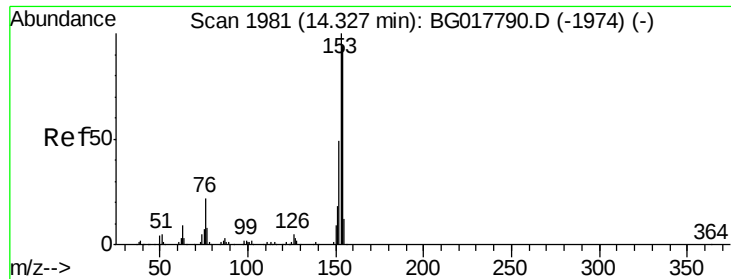
Tgt Ion:163 Resp: 61955
Ion Ratio Lower Upper
163 100
194 5.0 5.4 8.0#
164 7.7 7.7 11.5



#47
Acenaphthylene
Concen: 2.98 ng/ul
RT: 13.98 min Scan# 1922
Delta R.T. 0.00 min
Lab File: BG017791.D
Acq: 7 Jul 2015 11:44

Tgt Ion:152 Resp: 55340
Ion Ratio Lower Upper
152 100
151 22.0 17.0 25.6
153 17.5 11.2 16.8#





#49

Acenaphthene

Concen: 6.16 ng/ul

RT: 14.32 min Scan# 1980

Delta R.T. -0.01 min

Lab File: BG017791.D

Acq: 7 Jul 2015 11:44

Instrument :

BNA_G

ClientSampleId :

G93H9

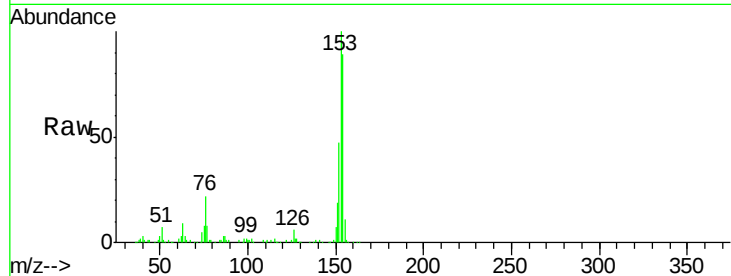
Tgt Ion:153 Resp: 77225

Ion Ratio Lower Upper

153 100

152 47.5 37.8 56.6

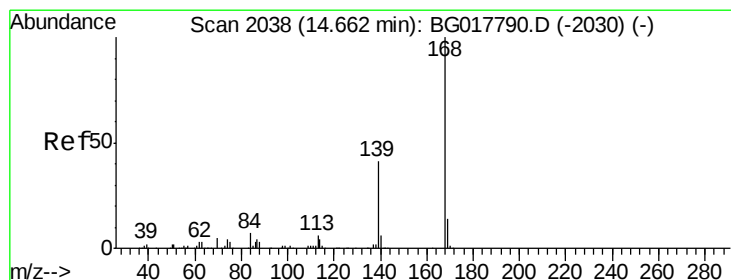
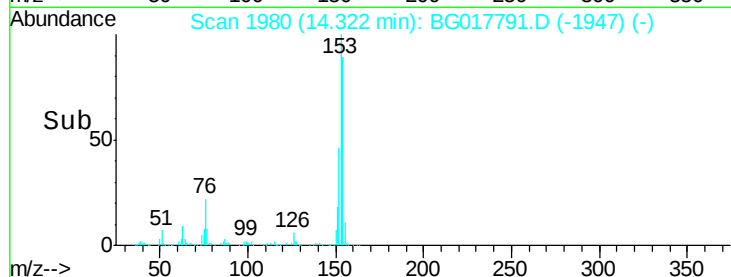
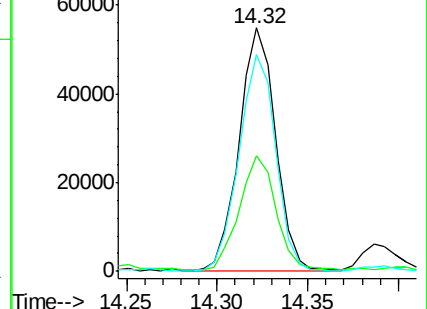
154 89.2 71.2 106.8



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: 4.53 ng/ul

RT: 14.66 min Scan# 2037

Delta R.T. -0.01 min

Lab File: BG017791.D

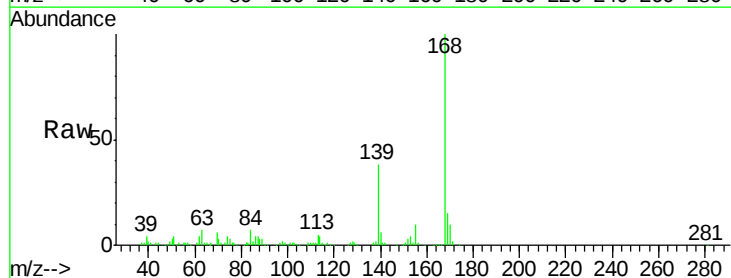
Acq: 7 Jul 2015 11:44

Tgt Ion:168 Resp: 76567

Ion Ratio Lower Upper

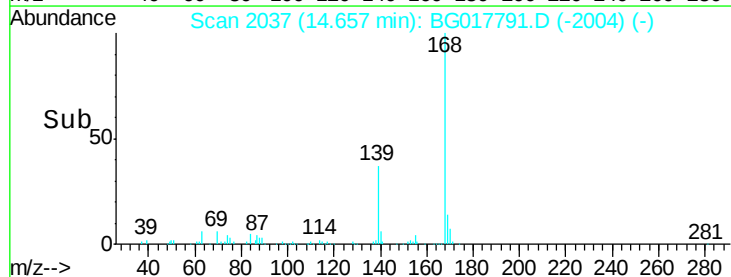
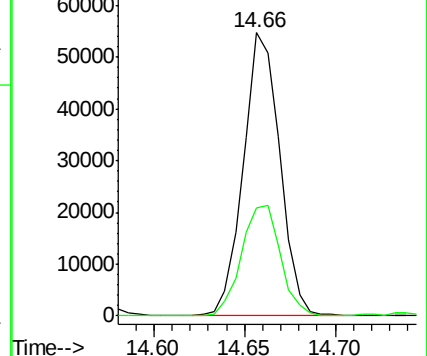
168 100

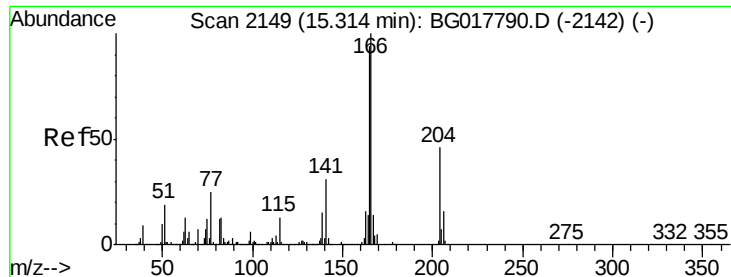
139 38.3 32.7 49.1



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E





#58

Fluorene

Concen: 6.05 ng/ul

RT: 15.31 min Scan# 2148

Delta R.T. -0.01 min

Lab File: BG017791.D

Acq: 7 Jul 2015 11:44

Instrument :

BNA_G

ClientSampleId :

G93H9

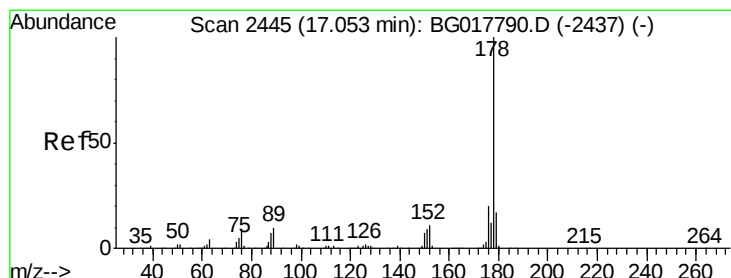
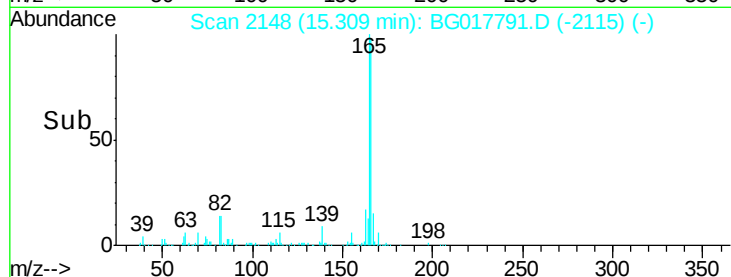
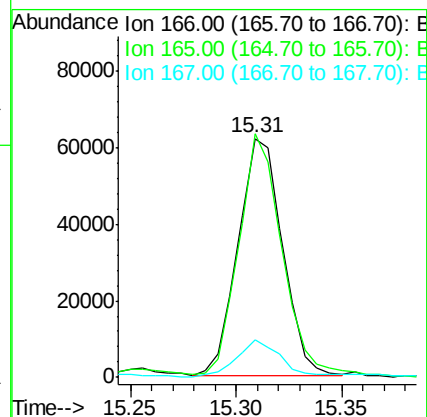
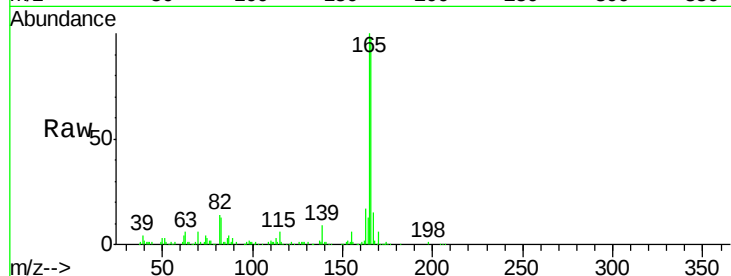
Tgt Ion:166 Resp: 90706

Ion Ratio Lower Upper

166 100

165 101.9 75.7 113.5

167 15.7 10.1 15.1#



#69

Phenanthrene

Concen: 75.59 ng/ul

RT: 17.05 min Scan# 2445

Delta R.T. 0.00 min

Lab File: BG017791.D

Acq: 7 Jul 2015 11:44

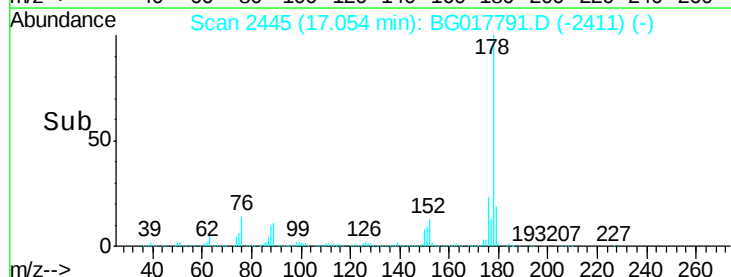
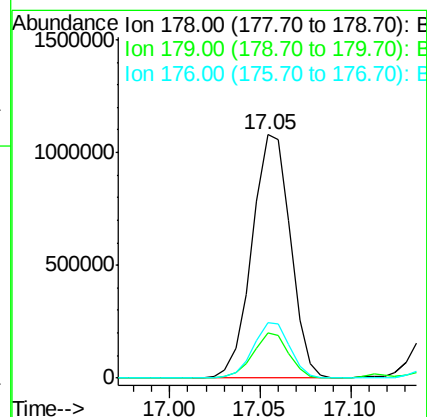
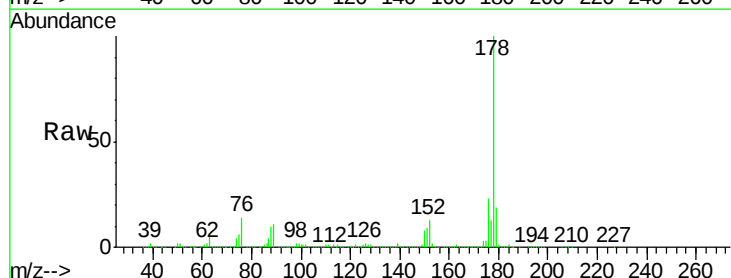
Tgt Ion:178 Resp: 1587539

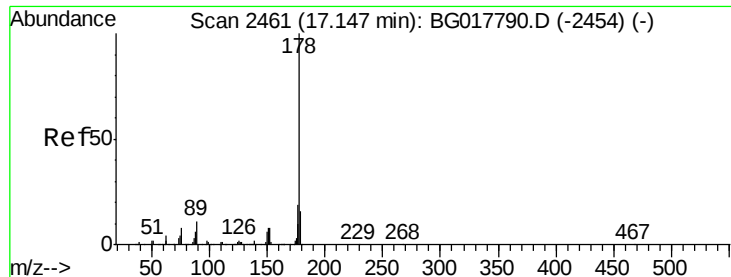
Ion Ratio Lower Upper

178 100

179 18.6 13.0 19.4

176 22.5 17.0 25.4





#71

Anthracene

Concen: 14.78 ng/ul

RT: 17.14 min Scan# 2460

Delta R.T. -0.01 min

Lab File: BG017791.D

Acq: 7 Jul 2015 11:44

Instrument :

BNA_G

ClientSampleId :

G93H9

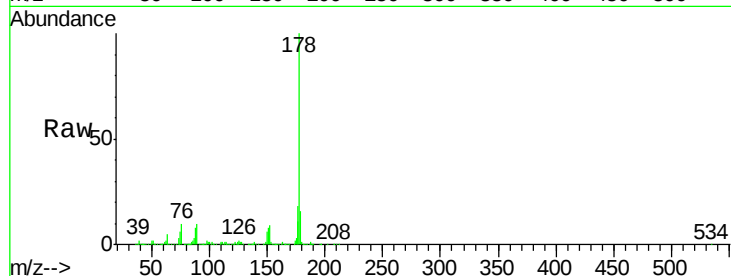
Tgt Ion:178 Resp: 319293

Ion Ratio Lower Upper

178 100

179 16.4 12.4 18.6

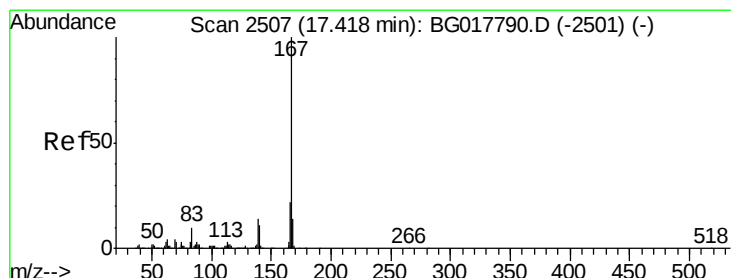
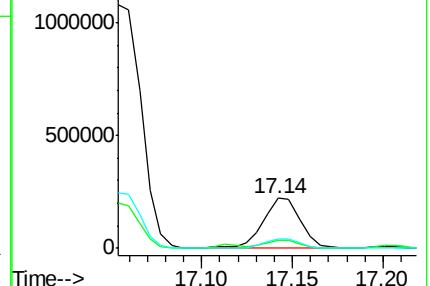
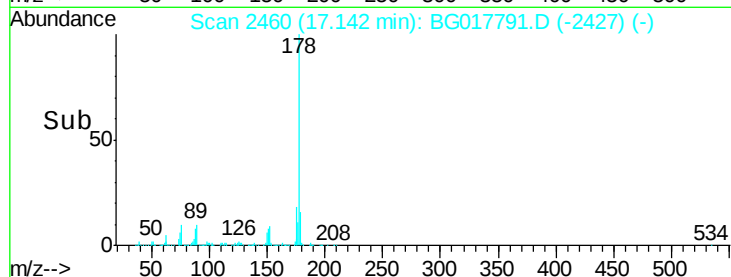
176 18.3 15.3 22.9



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: 6.33 ng/ul

RT: 17.42 min Scan# 2507

Delta R.T. 0.00 min

Lab File: BG017791.D

Acq: 7 Jul 2015 11:44

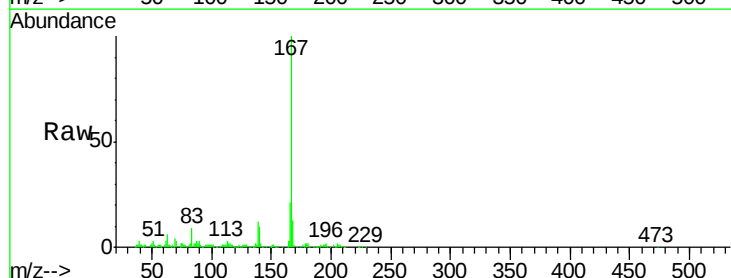
Tgt Ion:167 Resp: 113856

Ion Ratio Lower Upper

167 100

166 20.6 18.0 27.0

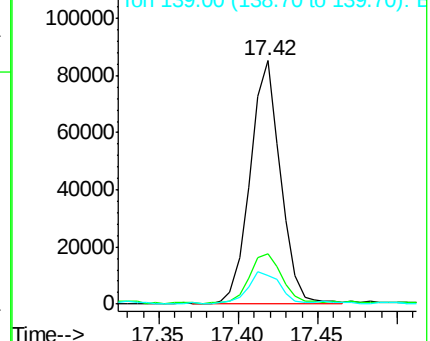
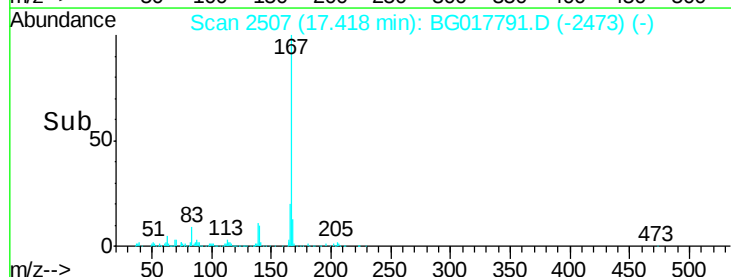
139 11.9 11.4 17.0

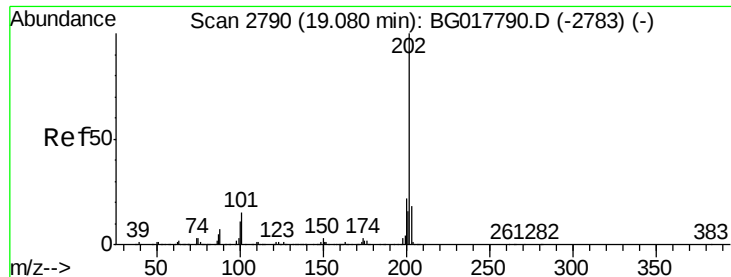


Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E





#76

Fluoranthene

Concen: 108.62 ng/ul

RT: 19.09 min Scan# 2791

Delta R.T. 0.01 min

Lab File: BG017791.D

Acq: 7 Jul 2015 11:44

Instrument :

BNA_G

ClientSampleId :

G93H9

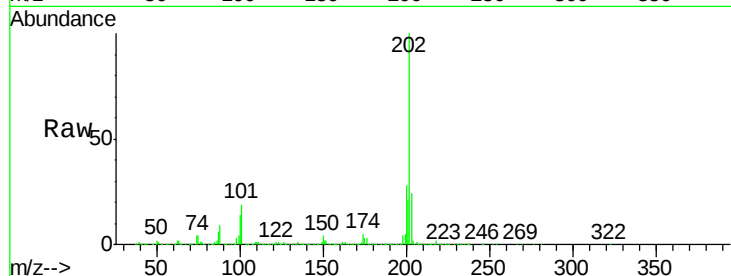
Tgt Ion:202 Resp: 2197929

Ion Ratio Lower Upper

202 100

101 19.3 12.6 18.8#

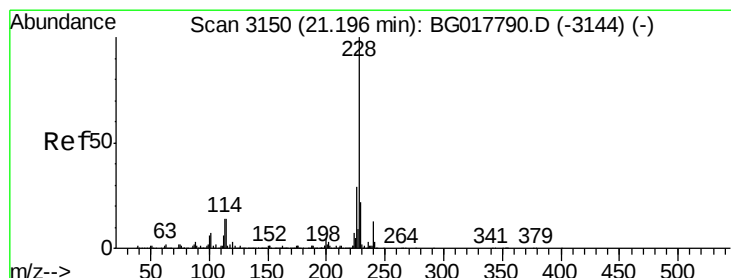
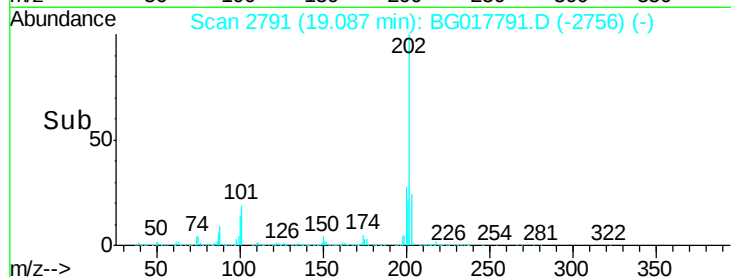
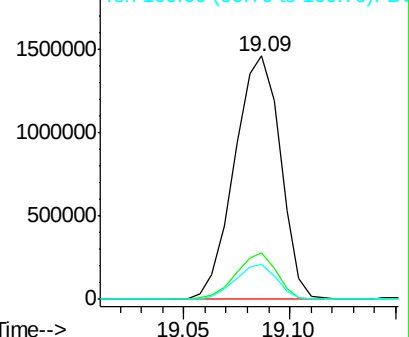
100 14.5 9.1 13.7#



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



#82

Benzo(a)anthracene

Concen: 49.84 ng/ul

RT: 21.20 min Scan# 3151

Delta R.T. 0.01 min

Lab File: BG017791.D

Acq: 7 Jul 2015 11:44

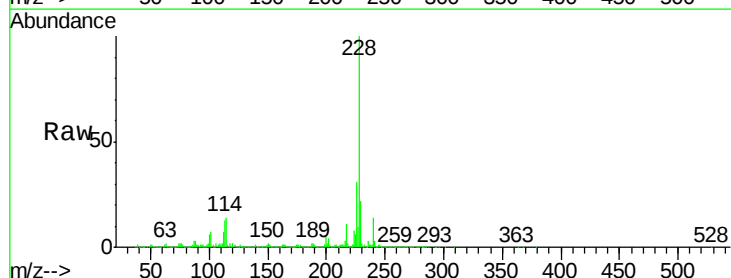
Tgt Ion:228 Resp: 1109520

Ion Ratio Lower Upper

228 100

229 22.1 15.8 23.8

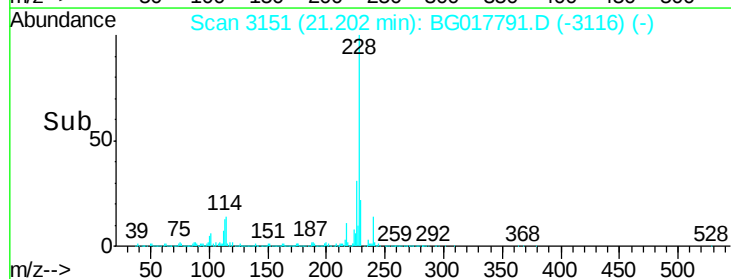
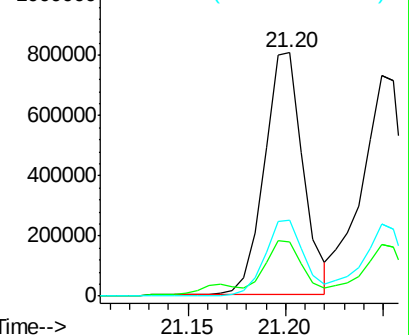
226 31.1 22.2 33.2

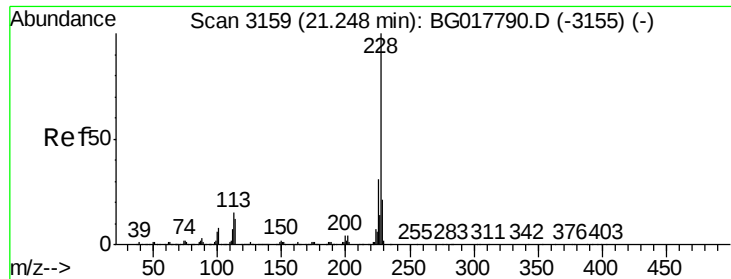


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 229.00 (228.70 to 229.70): E

Ion 226.00 (225.70 to 226.70): E





#84

Chrysene

Concen: 52.10 ng/ul

RT: 21.25 min Scan# 3159

Delta R.T. 0.00 min

Lab File: BG017791.D

Acq: 7 Jul 2015 11:44

Instrument :

BNA_G

ClientSampleId :

G93H9

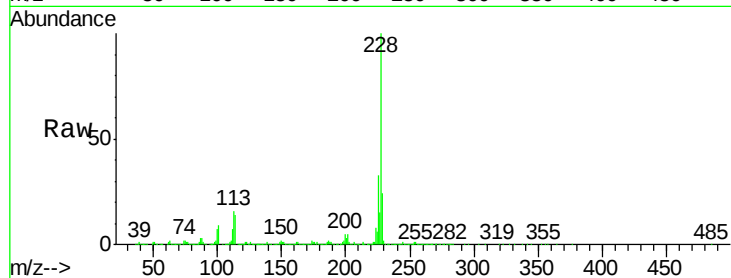
Tgt Ion:228 Resp: 1098533

Ion Ratio Lower Upper

228 100

226 32.5 25.6 38.4

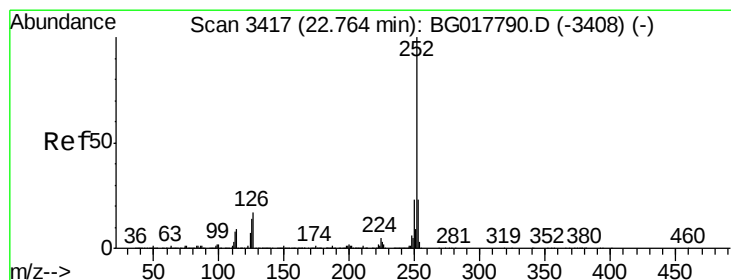
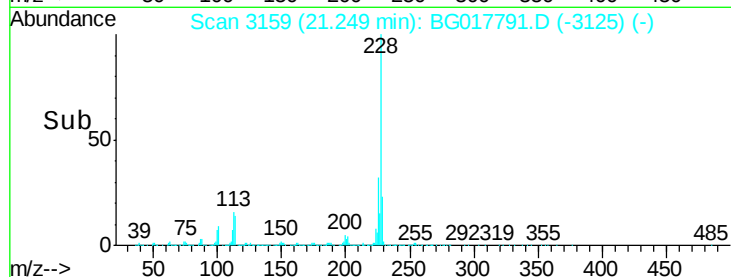
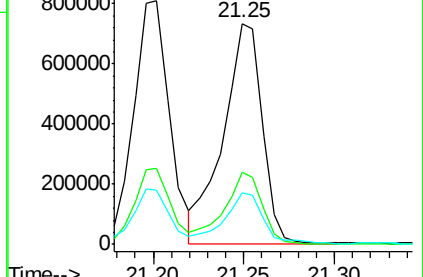
229 23.6 16.4 24.6



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: 58.22 ng/ul

RT: 22.78 min Scan# 3419

Delta R.T. 0.01 min

Lab File: BG017791.D

Acq: 7 Jul 2015 11:44

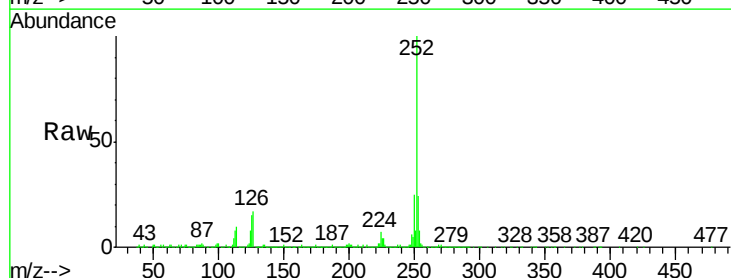
Tgt Ion:252 Resp: 1322803

Ion Ratio Lower Upper

252 100

253 24.5 16.8 25.2

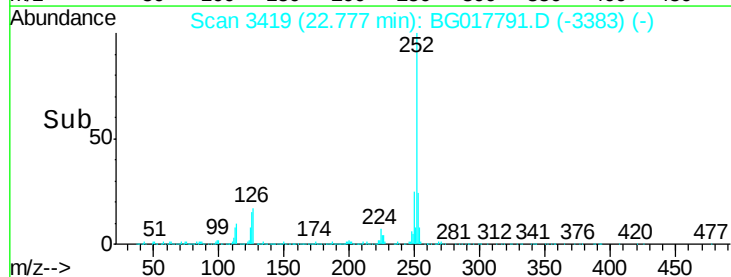
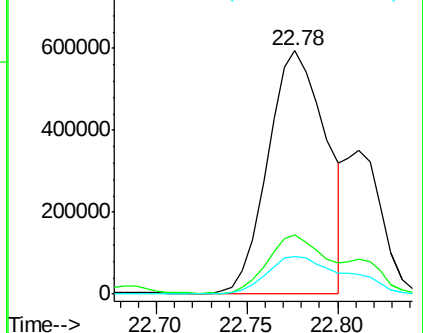
125 15.5 10.4 15.6

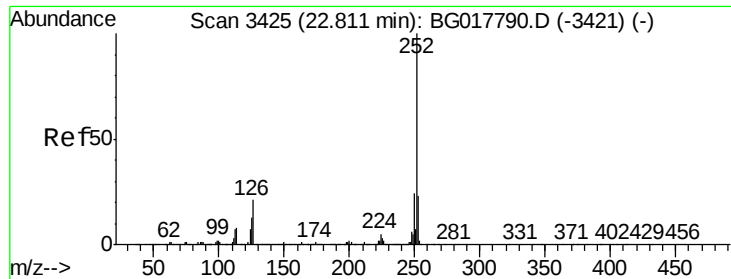


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#88

Benzo(k)fluoranthene

Concen: 41.06 ng/ul

RT: 22.78 min Scan# 3419

Delta R.T. -0.03 min

Lab File: BG017791.D

Acq: 7 Jul 2015 11:44

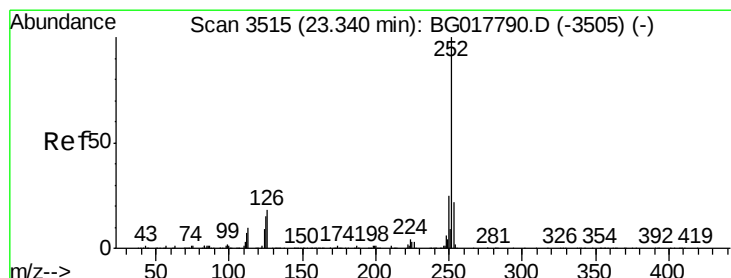
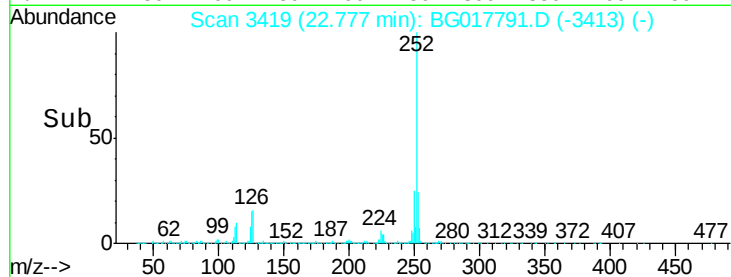
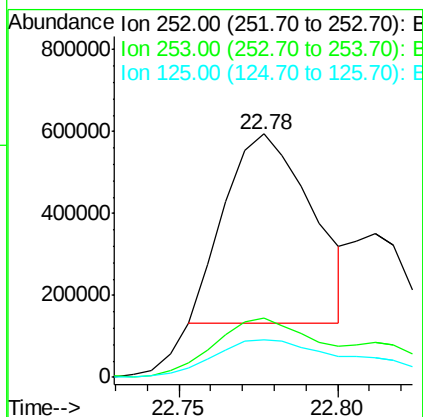
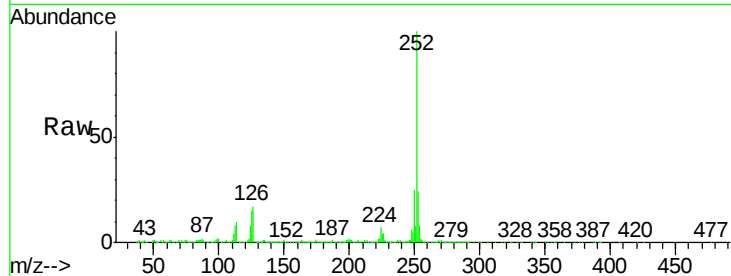
Instrument :

BNA_G

ClientSampleId :

G93H9

Tgt Ion:	252	Resp:	879227
Ion Ratio	Lower	Upper	
252	100		
253	24.5	17.6	26.4
125	15.5	11.6	17.4



#90

Benzo(a)pyrene

Concen: 45.62 ng/ul

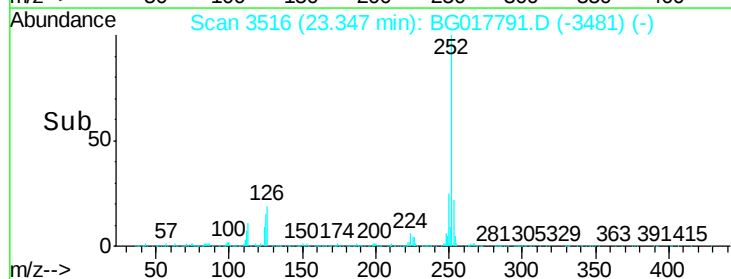
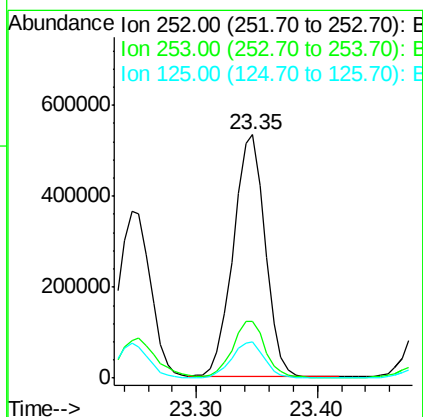
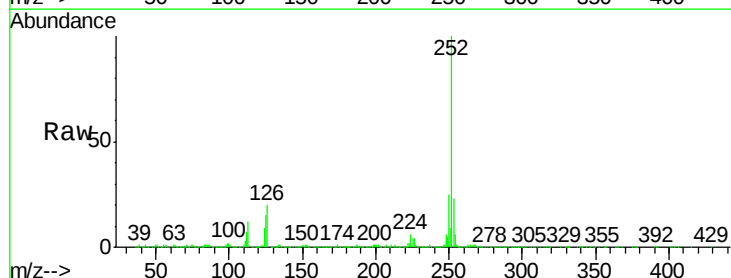
RT: 23.35 min Scan# 3516

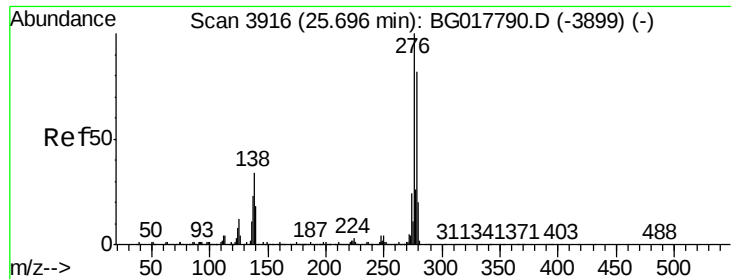
Delta R.T. 0.01 min

Lab File: BG017791.D

Acq: 7 Jul 2015 11:44

Tgt Ion:	252	Resp:	984940
Ion Ratio	Lower	Upper	
252	100		
253	23.4	18.3	27.5
125	14.8	12.1	18.1





#91

Indeno(1,2,3-cd)pyrene

Concen: 26.75 ng/ul

RT: 25.70 min Scan# 3916

Delta R.T. 0.00 min

Lab File: BG017791.D

Acq: 7 Jul 2015 11:44

Instrument :

BNA_G

ClientSampleId :

G93H9

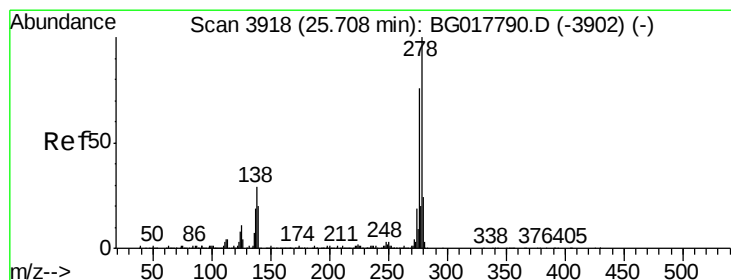
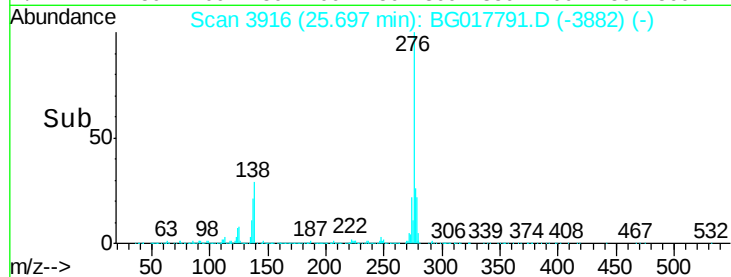
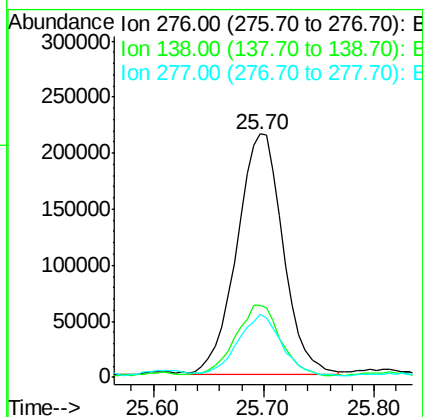
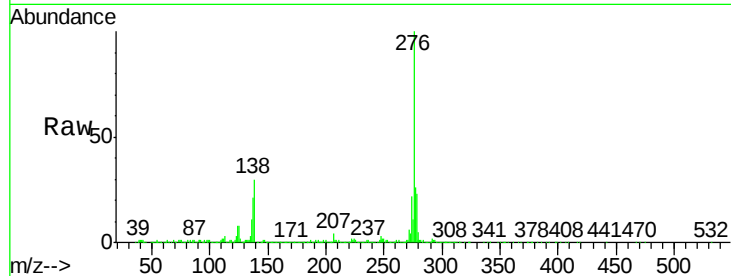
Tgt Ion:276 Resp: 630668

Ion Ratio Lower Upper

276 100

138 29.6 26.1 39.1

277 26.0 20.9 31.3



#92

Dibenzo(a,h)anthracene

Concen: 7.90 ng/ul

RT: 25.70 min Scan# 3917

Delta R.T. -0.01 min

Lab File: BG017791.D

Acq: 7 Jul 2015 11:44

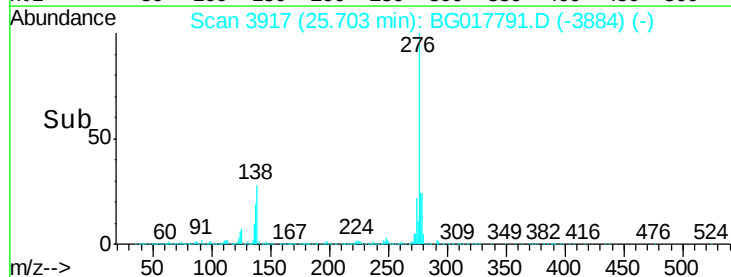
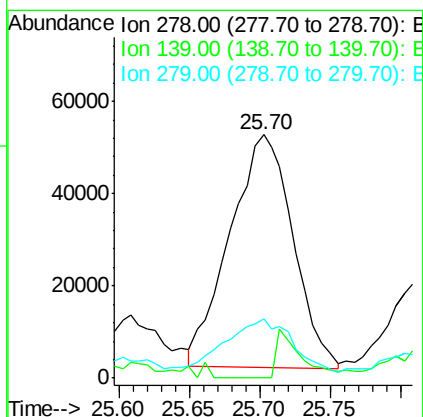
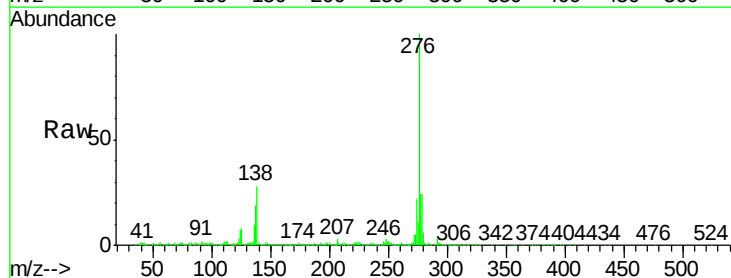
Tgt Ion:278 Resp: 157366

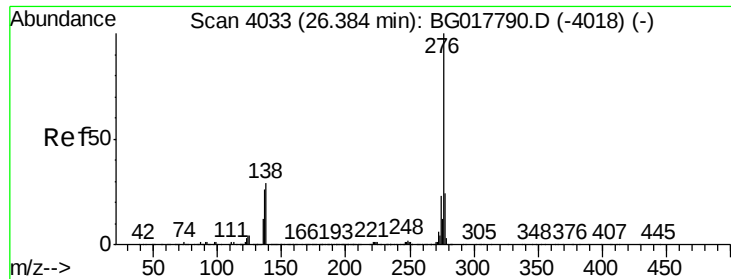
Ion Ratio Lower Upper

278 100

139 0.0 16.3 24.5#

279 24.2 18.7 28.1





#93

Benzo(g,h,i)perylene

Concen: 14.81 ng/ul

RT: 26.39 min Scan# 4034

Delta R.T. 0.01 min

Lab File: BG017791.D

Acq: 7 Jul 2015 11:44

Instrument :

BNA_G

ClientSampleId :

G93H9

Tgt Ion: 276 Resp: 292000

Ion Ratio Lower Upper

276 100

138 29.4 25.1 37.7

277 25.7 18.7 28.1

