

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG070715\
 Data File : BG017799.D
 Acq On : 7 Jul 2015 18:50
 Operator : TP/UM
 Sample : G2860-07
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 G93J2

Quant Time: Jul 08 04:57:58 2015
 Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG070615.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Wed Jul 08 04:54:23 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.61	152	65580	20.00	ng/ul	0.00
18) Naphthalene-d8	10.39	136	334486	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.26	164	207639	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.02	188	396422	20.00	ng/ul	0.00
77) Chrysene-d12	21.22	240	464399	20.00	ng/ul	0.00
85) Perylene-d12	23.46	264	461414	20.00	ng/ul	0.02

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.14	96	4303	2.59	ng/uL	0.00
5) Phenol-d5	6.78	99	93869	16.95	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	6.95	67	52797	15.91	ng/ul	0.00
9) 2-Chlorophenol-d4	7.14	132	76844	16.22	ng/ul	0.00
13) 4-Methylphenol-d8	8.31	113	77712	17.16	ng/ul	0.00
19) Nitrobenzene-d5	8.76	128	40564	16.21	ng/ul	0.00
22) 2-Nitrophenol-d4	9.48	143	42146	16.86	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.01	165	73735	15.45	ng/ul	0.00
29) 4-Chloroaniline-d4	10.53	131	60803	9.38	ng/ul	0.00
43) Dimethylphthalate-d6	13.68	166	201310	14.65	ng/ul	0.00
46) Acenaphthylene-d8	13.95	160	267195	14.42	ng/ul	0.00
51) 4-Nitrophenol-d4	14.46	143	34563	12.54	ng/ul	0.00
57) Fluorene-d10	15.26	176	197229	14.07	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.39	200	6901	3.75	ng/ul	0.00
70) Anthracene-d10	17.11	188	270894	14.99	ng/ul	0.00
78) Pyrene-d10	19.42	212	302665	13.71	ng/ul	0.00
89) Benzo(a)pyrene-d12	23.32	264	283564	13.96	ng/ul	0.02

Target Compounds

						Qvalue
4) Benzaldehyde	6.75	77	4245	1.23	ng/ul#	79
6) Phenol	6.81	94	11791	1.98	ng/ul	94
14) Acetophenone	8.42	105	86639	12.98	ng/ul	97
28) Naphthalene	10.44	128	31920	1.84	ng/ul	98
34) 2-Methylnaphthalene	12.06	142	24631	2.01	ng/ul	86
40) 1,1'-Biphenyl	13.08	154	21678	1.41	ng/ul	96
44) Dimethylphthalate	13.72	163	96771	6.34	ng/ul	98
47) Acenaphthylene	13.98	152	78768	3.89	ng/ul	95
49) Acenaphthene	14.32	153	210947	15.46	ng/ul	99
53) Dibenzofuran	14.66	168	222100	12.08	ng/ul	95
58) Fluorene	15.32	166	370890	22.70	ng/ul	94
64) N-Nitrosodiphenylamine	15.53	169	14314	1.19	ng/ul	91
69) Phenanthrene	17.07	178	2981877	137.63	ng/ul#	77
71) Anthracene	17.15	178	1321469	59.30	ng/ul	96
74) Carbazole	17.42	167	143070	7.71	ng/ul	95
76) Fluoranthene	19.10	202	3928722	188.20	ng/ul#	67
79) Pyrene	19.46	202	3765054	132.85	ng/ul#	71
82) Benzo(a)anthracene	21.21	228	2530563	98.89	ng/ul#	75
84) Chrysene	21.26	228	2315200	95.53	ng/ul#	81
87) Benzo(b)fluoranthene	22.79	252	2885042	109.39	ng/ul#	86
88) Benzo(k)fluoranthene	22.79	252	1470328	59.15	ng/ul#	89
90) Benzo(a)pyrene	23.37	252	2164868	86.37	ng/ul	93
91) Indeno(1,2,3-cd)pyrene	25.73	276	1163690	42.52	ng/ul	95

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Response via : Initial Calibration

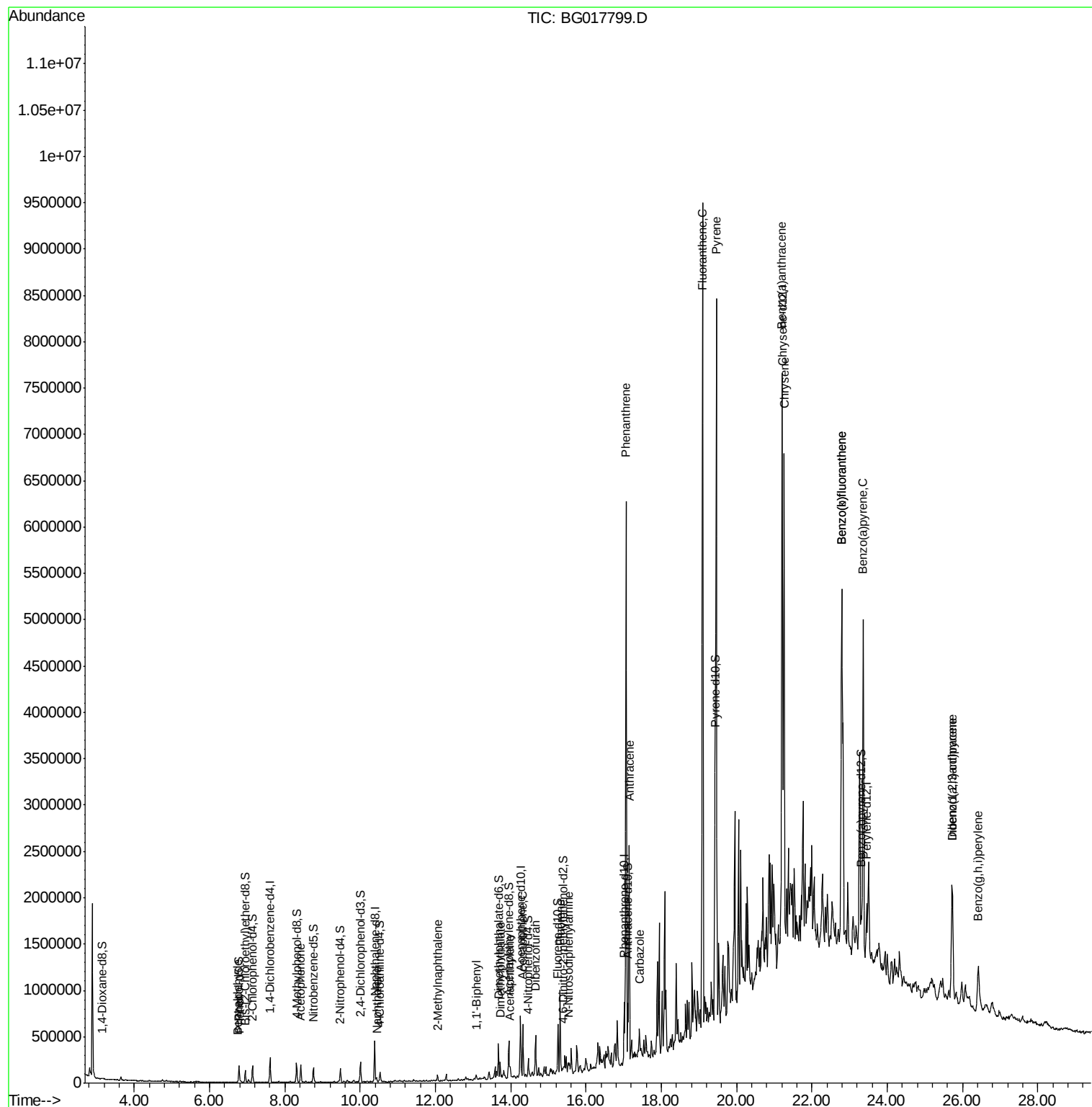
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
92) Dibenzo(a,h)anthracene	25.73	278	350456	15.16	ng/ul#	69
93) Benzo(g,h,i)perylene	26.43	276	620993	27.13	ng/ul	94

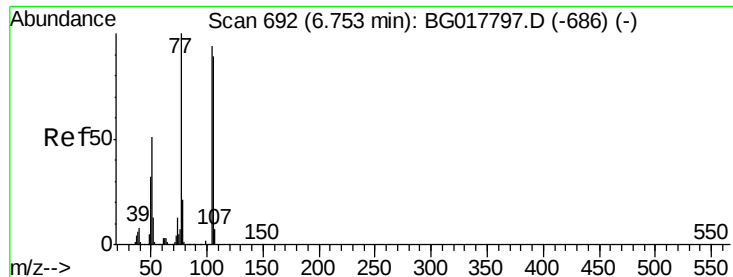
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#4

Benzaldehyde

Concen: 1.23 ng/ul

RT: 6.75 min Scan# 692

Delta R.T. 0.00 min

Lab File: BG017799.D

Acq: 7 Jul 2015 18:50

Instrument :

BNA_G

ClientSampleId :

G93J2

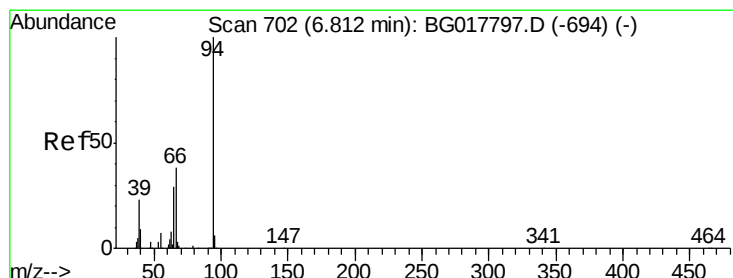
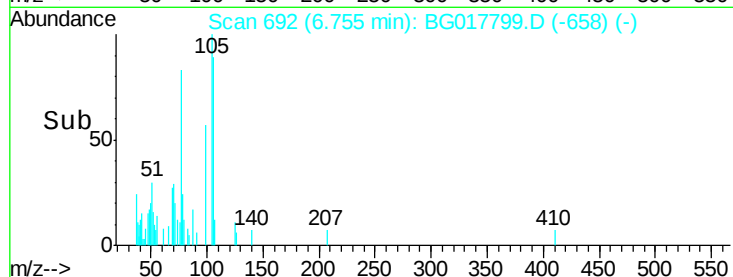
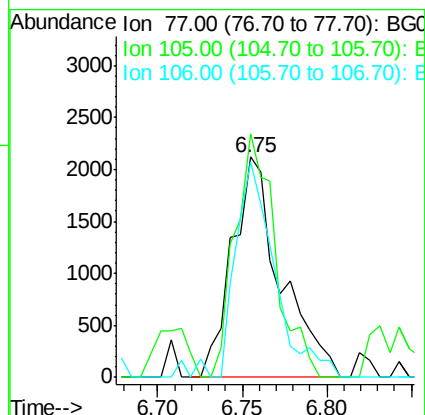
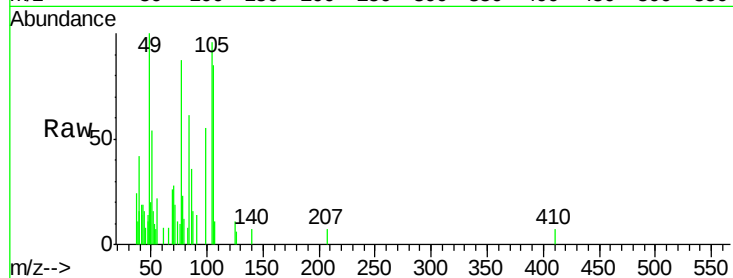
Tgt Ion: 77 Resp: 4245

Ion Ratio Lower Upper

77 100

105 110.6 68.1 102.1#

106 98.0 67.6 101.4



#6

Phenol

Concen: 1.98 ng/ul

RT: 6.81 min Scan# 701

Delta R.T. -0.00 min

Lab File: BG017799.D

Acq: 7 Jul 2015 18:50

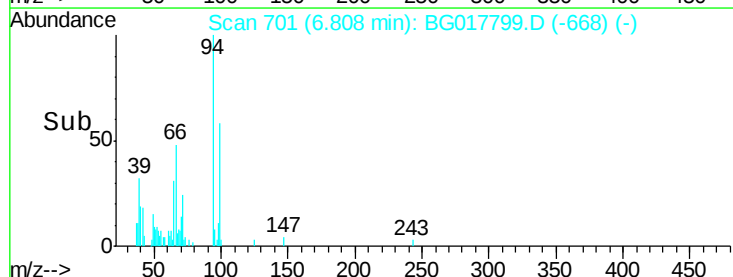
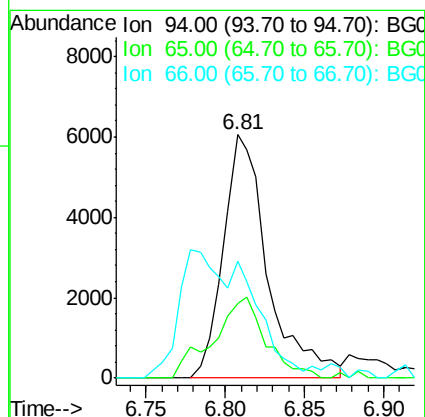
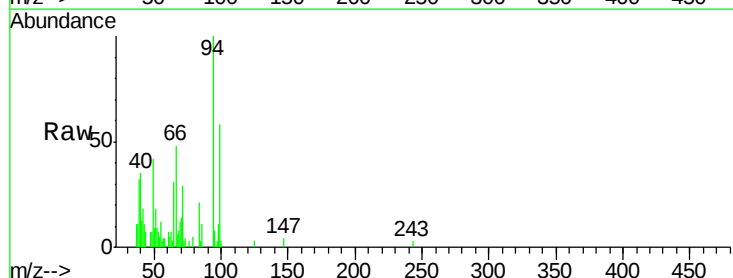
Tgt Ion: 94 Resp: 11791

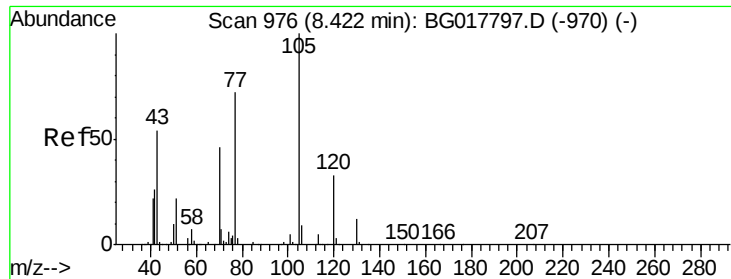
Ion Ratio Lower Upper

94 100

65 30.9 24.2 36.4

66 48.1 33.4 50.2





#14

Acetophenone

Concen: 12.98 ng/ul

RT: 8.42 min Scan# 976

Delta R.T. 0.00 min

Lab File: BG017799.D

Acq: 7 Jul 2015 18:50

Instrument :

BNA_G

ClientSampleId :

G93J2

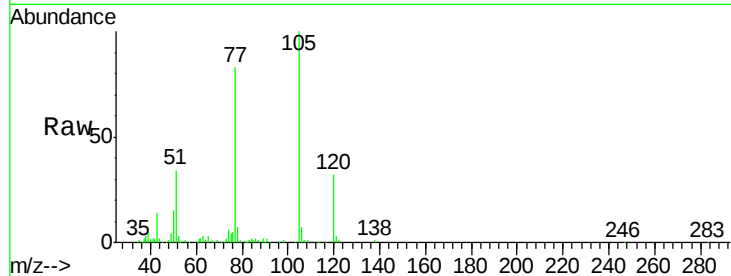
Tgt Ion:105 Resp: 86639

Ion Ratio Lower Upper

105 100

77 82.9 69.5 104.3

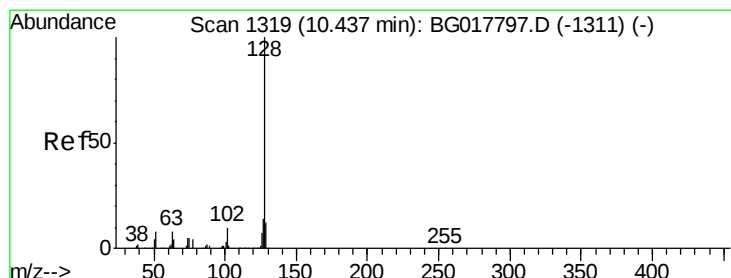
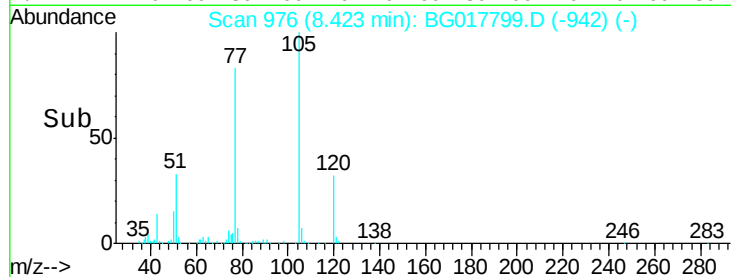
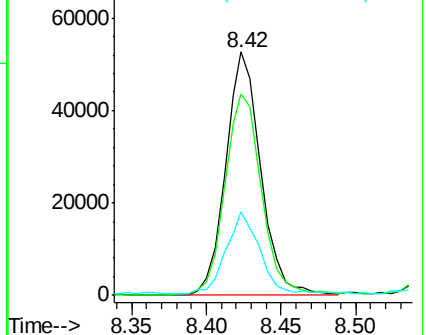
51 34.1 26.7 40.1



Abundance Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BG0

Ion 51.00 (50.70 to 51.70): BG0



#28

Naphthalene

Concen: 1.84 ng/ul

RT: 10.44 min Scan# 1319

Delta R.T. 0.00 min

Lab File: BG017799.D

Acq: 7 Jul 2015 18:50

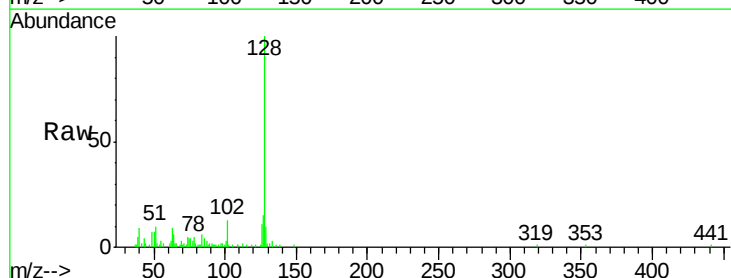
Tgt Ion:128 Resp: 31920

Ion Ratio Lower Upper

128 100

129 10.3 8.7 13.1

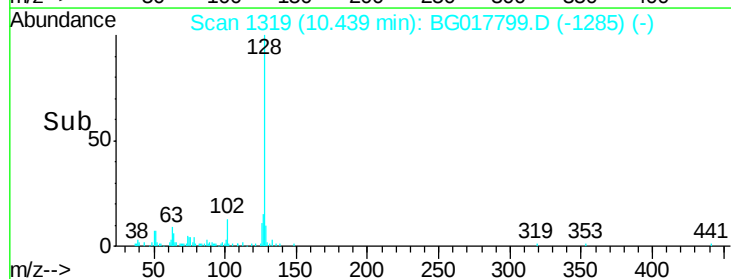
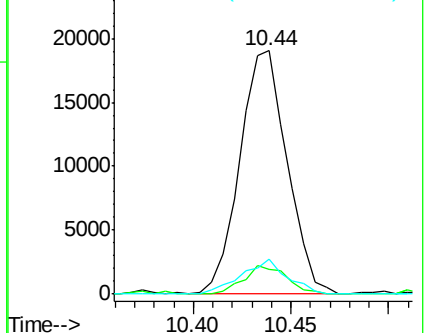
127 14.5 11.0 16.6

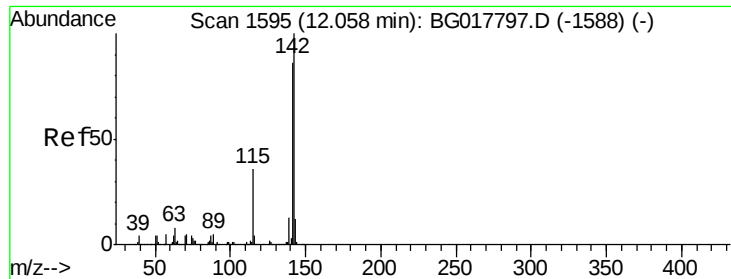


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E

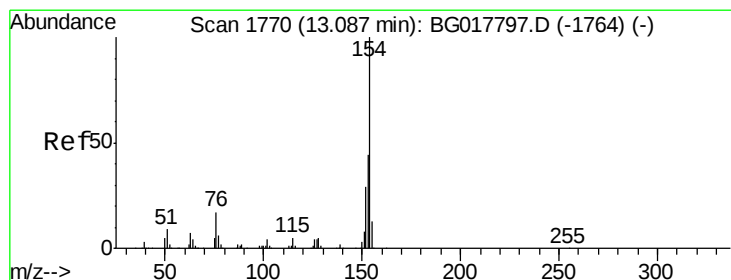
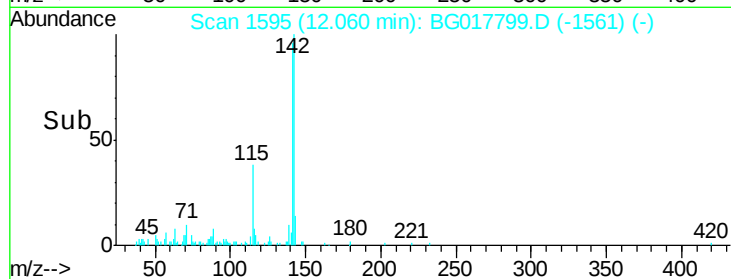
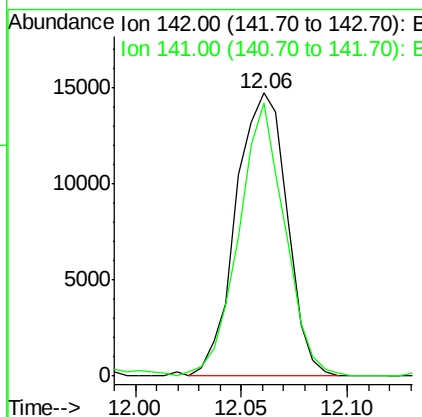
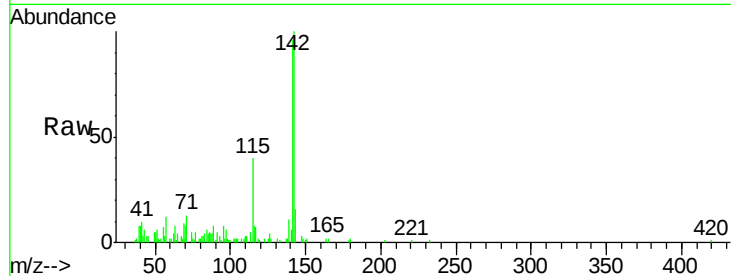




#34
 2-Methylnaphthalene
 Concen: 2.01 ng/ul
 RT: 12.06 min Scan# 1595
 Delta R.T. 0.00 min
 Lab File: BG017799.D
 Acq: 7 Jul 2015 18:50

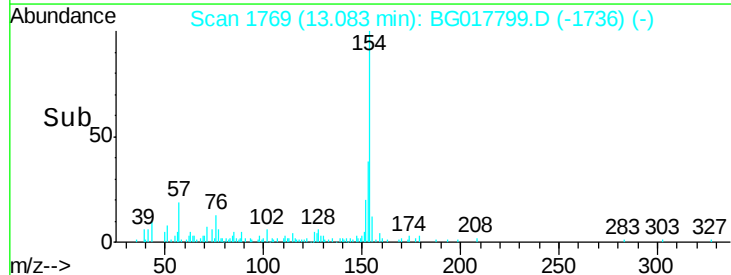
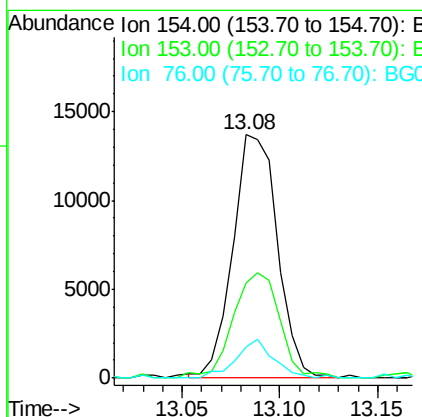
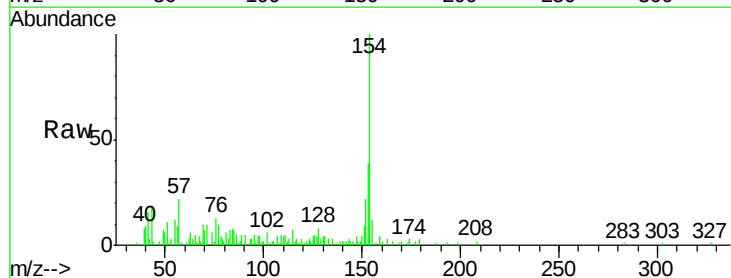
Instrument :
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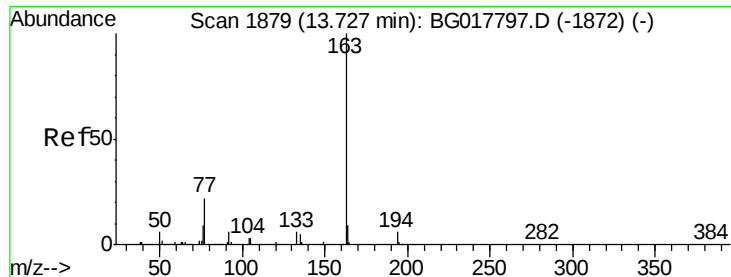
Tgt Ion:142 Resp: 24631
 Ion Ratio Lower Upper
 142 100
 141 96.4 66.6 100.0



#40
 1,1'-Biphenyl
 Concen: 1.41 ng/ul
 RT: 13.08 min Scan# 1769
 Delta R.T. -0.00 min
 Lab File: BG017799.D
 Acq: 7 Jul 2015 18:50

Tgt Ion:154 Resp: 21678
 Ion Ratio Lower Upper
 154 100
 153 39.2 33.3 49.9
 76 13.0 12.4 18.6

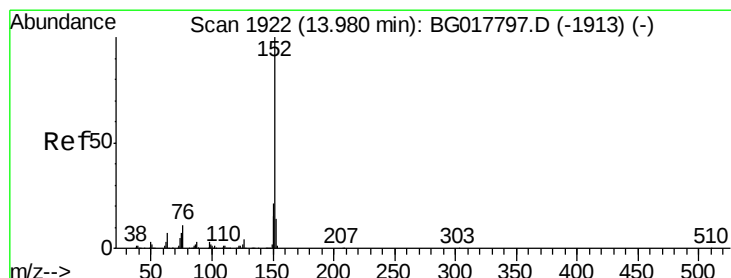
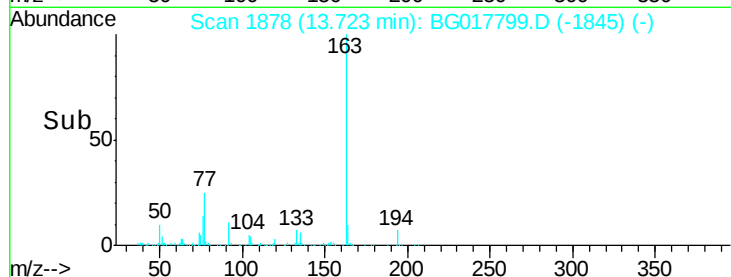
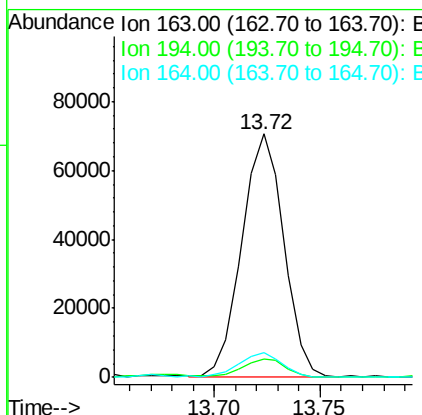
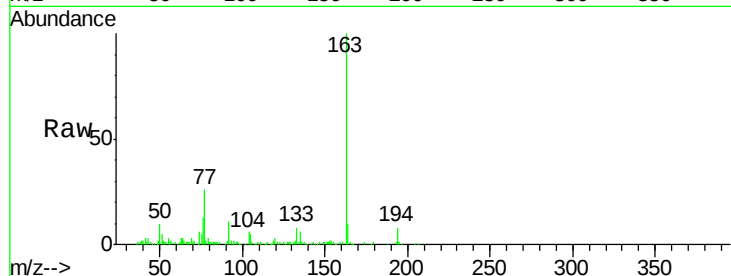




#44
Dimethylphthalate
Concen: 6.34 ng/ul
RT: 13.72 min Scan# 1878
Delta R.T. -0.00 min
Lab File: BG017799.D
Acq: 7 Jul 2015 18:50

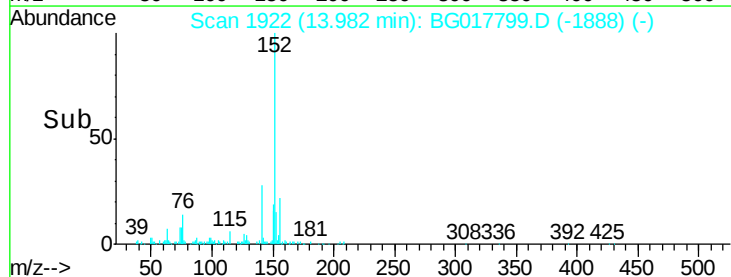
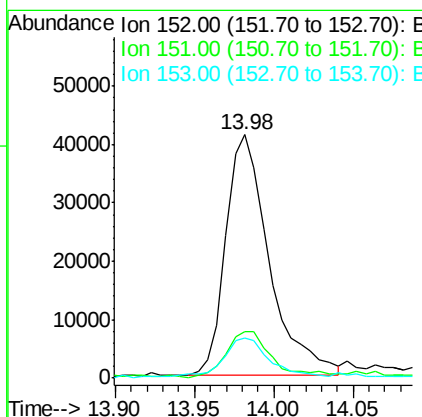
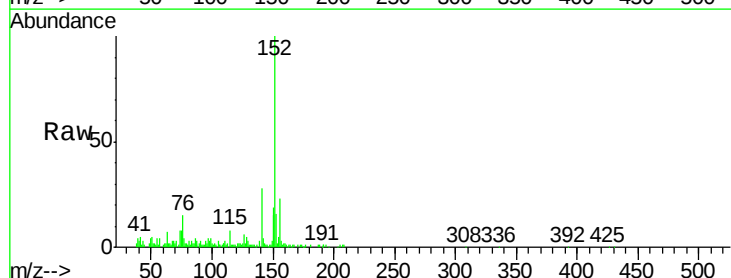
Instrument :
BNA_G
ClientSampleId :
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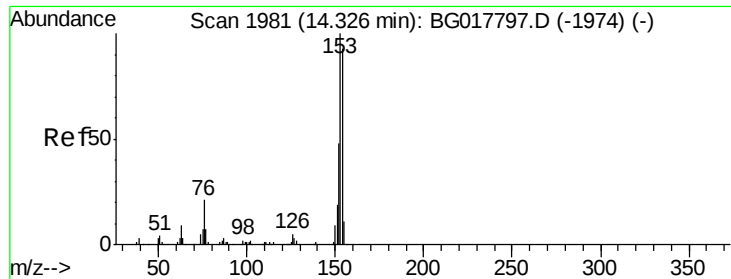
Tgt Ion:163 Resp: 96771
Ion Ratio Lower Upper
163 100
194 7.6 5.4 8.0
164 10.3 7.7 11.5



#47
Acenaphthylene
Concen: 3.89 ng/ul
RT: 13.98 min Scan# 1922
Delta R.T. 0.00 min
Lab File: BG017799.D
Acq: 7 Jul 2015 18:50

Tgt Ion:152 Resp: 78768
Ion Ratio Lower Upper
152 100
151 19.0 17.0 25.6
153 16.4 11.2 16.8





#49

Acenaphthene

Concen: 15.46 ng/ul

RT: 14.32 min Scan# 1980

Delta R.T. -0.00 min

Lab File: BG017799.D

Acq: 7 Jul 2015 18:50

Instrument :

BNA_G

ClientSampleId :

G93J2

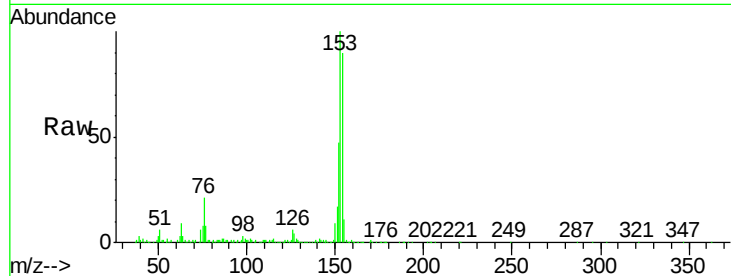
Tgt Ion:153 Resp: 210947

Ion Ratio Lower Upper

153 100

152 46.9 37.8 56.6

154 90.4 71.2 106.8

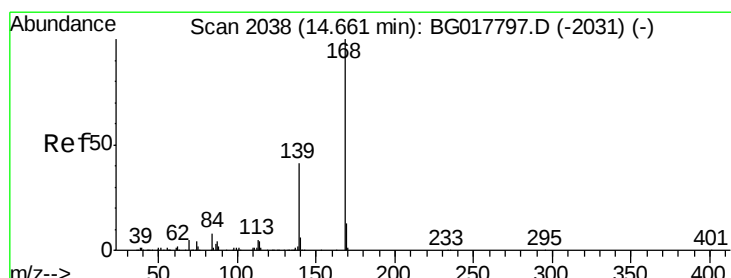
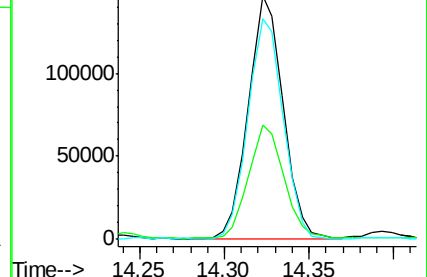
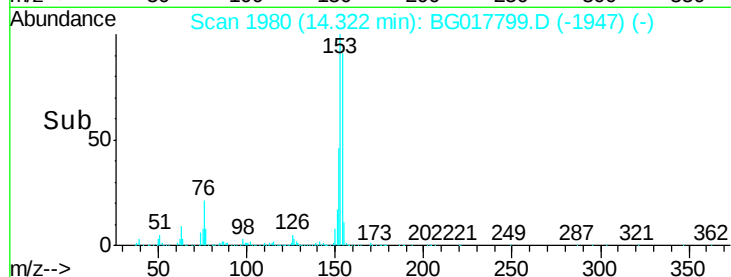


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E

14.32



#53

Dibenzofuran

Concen: 12.08 ng/ul

RT: 14.66 min Scan# 2038

Delta R.T. 0.00 min

Lab File: BG017799.D

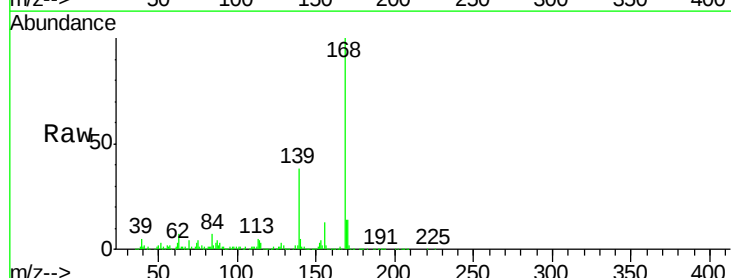
Acq: 7 Jul 2015 18:50

Tgt Ion:168 Resp: 222100

Ion Ratio Lower Upper

168 100

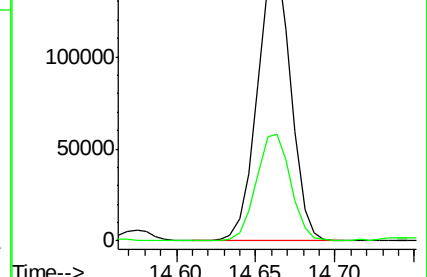
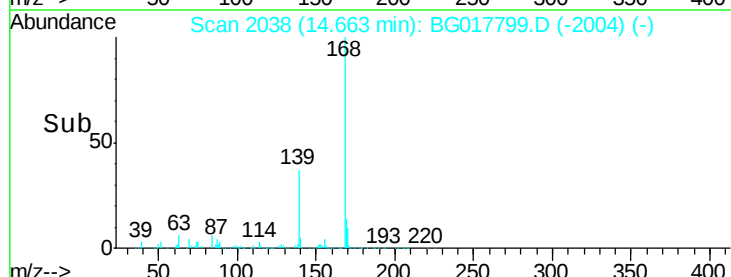
139 37.6 32.7 49.1

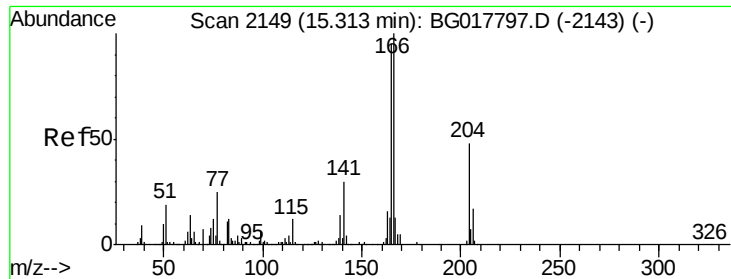


Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

14.66





#58

Fluorene

Concen: 22.70 ng/ul

RT: 15.32 min Scan# 2149

Delta R.T. 0.00 min

Lab File: BG017799.D

Acq: 7 Jul 2015 18:50

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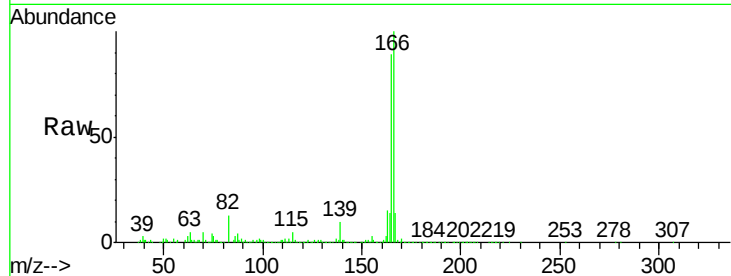
Tgt Ion:166 Resp: 370890

Ion Ratio Lower Upper

166 100

165 88.8 75.7 113.5

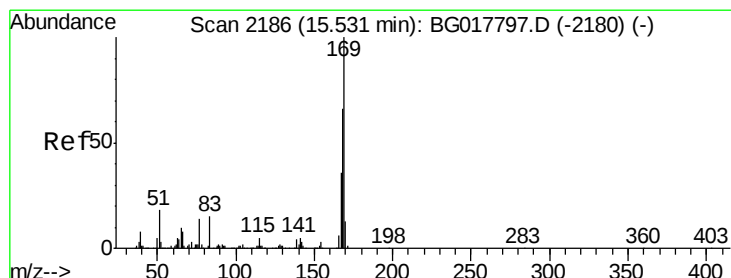
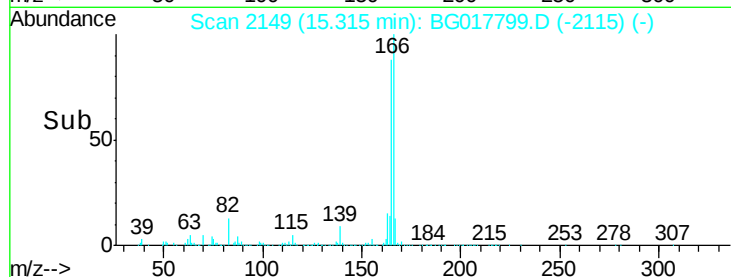
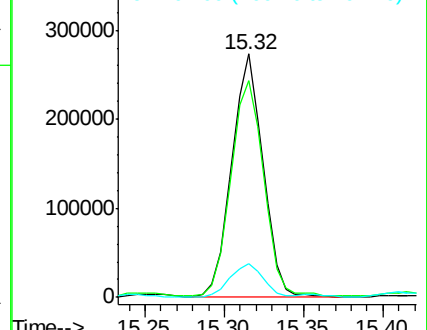
167 13.9 10.1 15.1



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



#64

N-Nitrosodiphenylamine

Concen: 1.19 ng/ul

RT: 15.53 min Scan# 2186

Delta R.T. 0.00 min

Lab File: BG017799.D

Acq: 7 Jul 2015 18:50

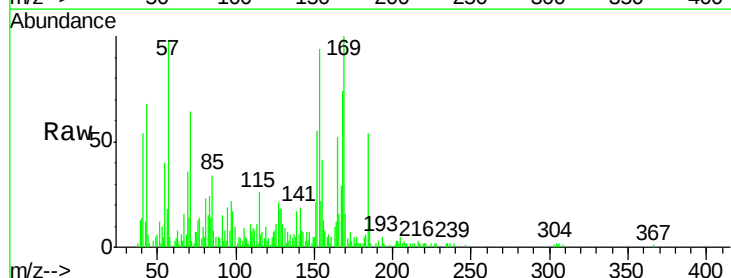
Tgt Ion:169 Resp: 14314

Ion Ratio Lower Upper

169 100

168 74.1 54.3 81.5

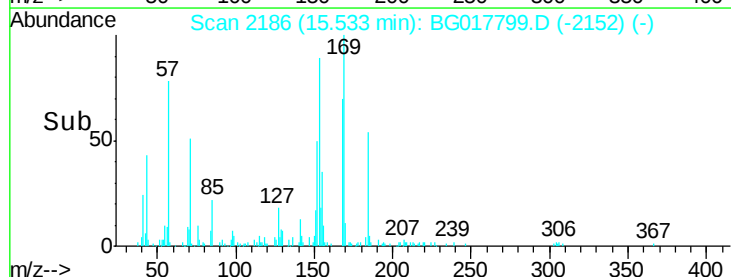
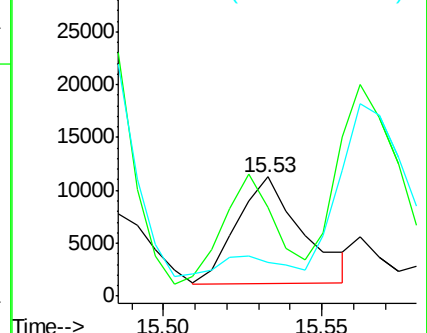
167 28.6 28.1 42.1

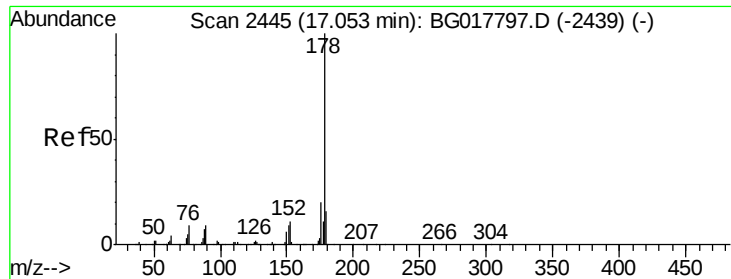


Abundance Ion 169.00 (168.70 to 169.70): E

Ion 168.00 (167.70 to 168.70): E

Ion 167.00 (166.70 to 167.70): E





#69

Phenanthrene

Concen: 137.63 ng/ul

RT: 17.07 min Scan# 2447

Delta R.T. 0.01 min

Lab File: BG017799.D

Acq: 7 Jul 2015 18:50

Instrument :

BNA_G

ClientSampleId :

G93J2

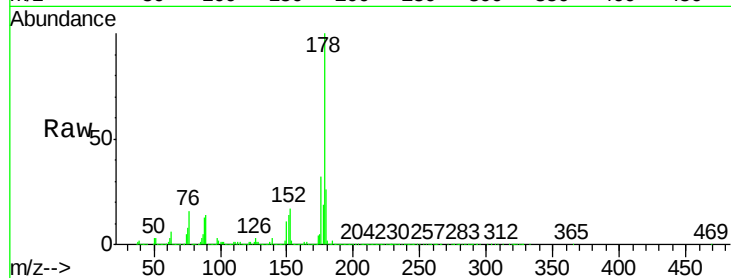
Tgt Ion:178 Resp: 2981877

Ion Ratio Lower Upper

178 100

179 26.3 13.0 19.4#

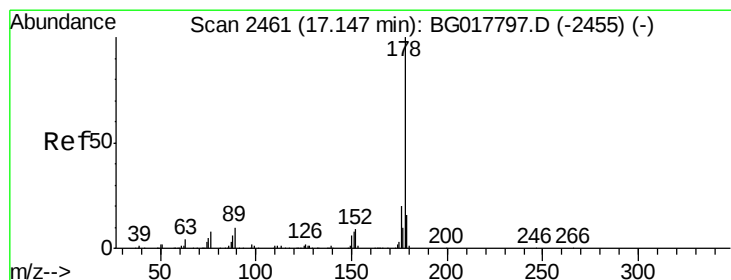
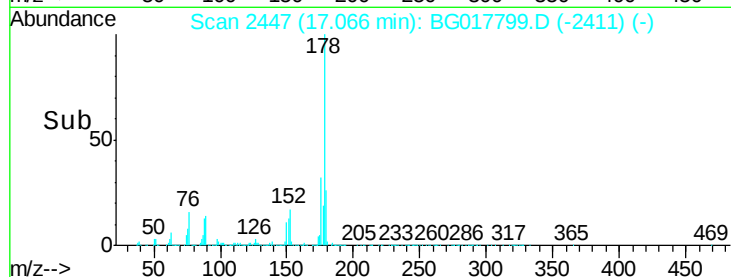
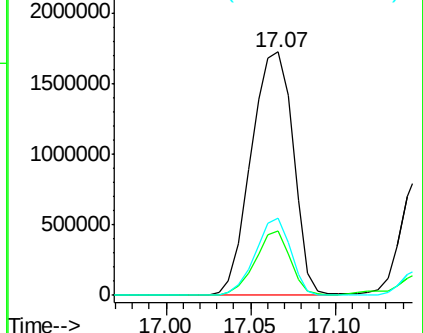
176 31.7 17.0 25.4#



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E



#71

Anthracene

Concen: 59.30 ng/ul

RT: 17.15 min Scan# 2461

Delta R.T. 0.00 min

Lab File: BG017799.D

Acq: 7 Jul 2015 18:50

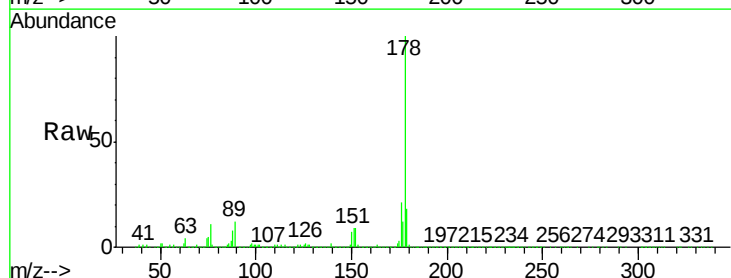
Tgt Ion:178 Resp: 1321469

Ion Ratio Lower Upper

178 100

179 17.8 12.4 18.6

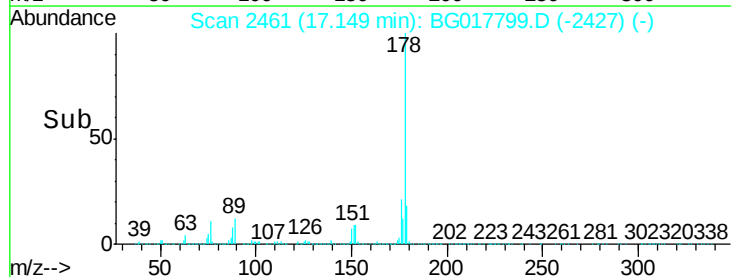
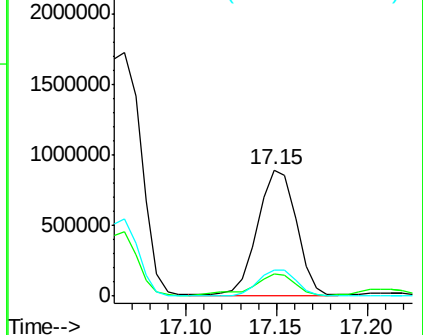
176 20.7 15.3 22.9

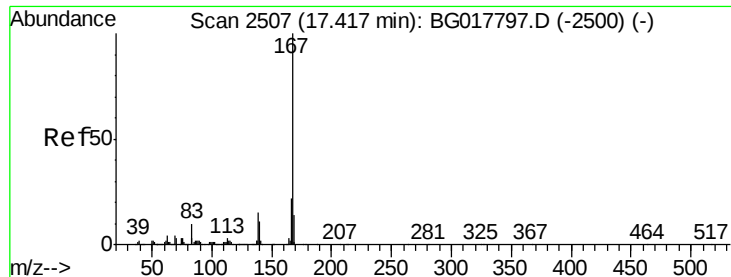


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#74

Carbazole

Concen: 7.71 ng/ul

RT: 17.42 min Scan# 2507

Delta R.T. 0.00 min

Lab File: BG017799.D

Acq: 7 Jul 2015 18:50

Instrument :

BNA_G

ClientSampleId :

G93J2

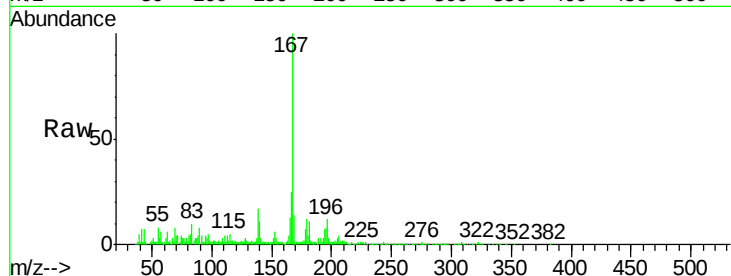
Tgt Ion:167 Resp: 143070

Ion Ratio Lower Upper

167 100

166 24.9 18.0 27.0

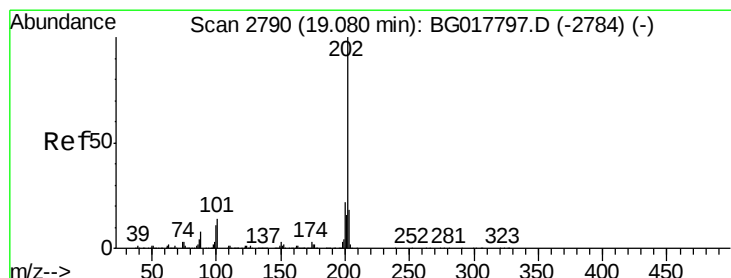
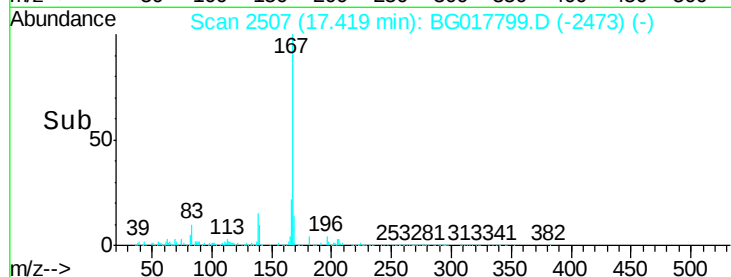
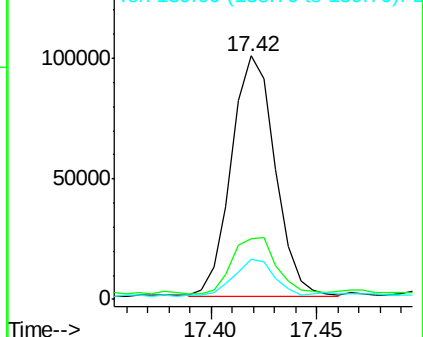
139 16.6 11.4 17.0



Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E



#76

Fluoranthene

Concen: 188.20 ng/ul

RT: 19.10 min Scan# 2793

Delta R.T. 0.02 min

Lab File: BG017799.D

Acq: 7 Jul 2015 18:50

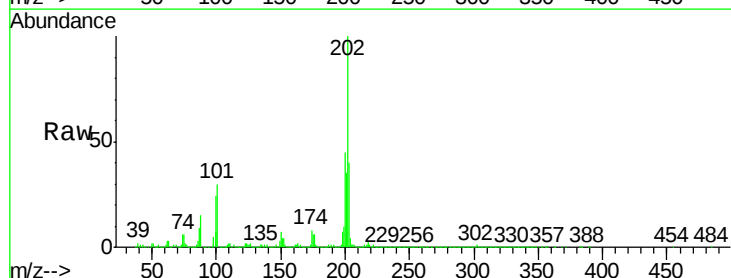
Tgt Ion:202 Resp: 3928722

Ion Ratio Lower Upper

202 100

101 30.1 12.6 18.8#

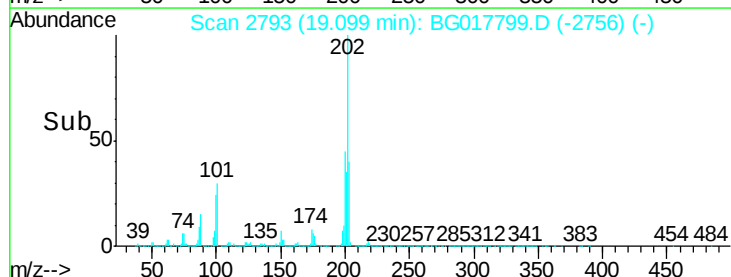
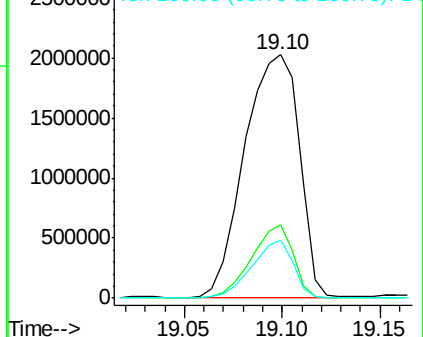
100 23.8 9.1 13.7#

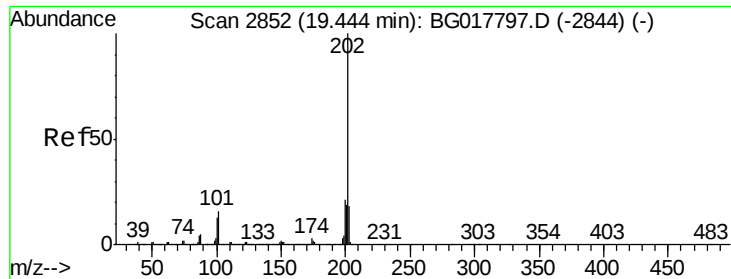


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#79

Pyrene

Concen: 132.85 ng/ul

RT: 19.46 min Scan# 2855

Delta R.T. 0.02 min

Lab File: BG017799.D

Acq: 7 Jul 2015 18:50

Instrument :

BNA_G

ClientSampleId :

G93J2

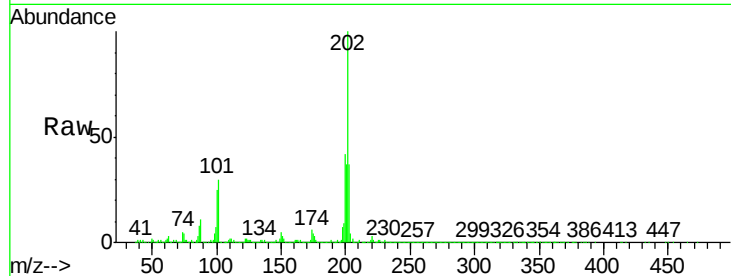
Tgt Ion:202 Resp: 3765054

Ion Ratio Lower Upper

202 100

101 30.0 13.1 19.7#

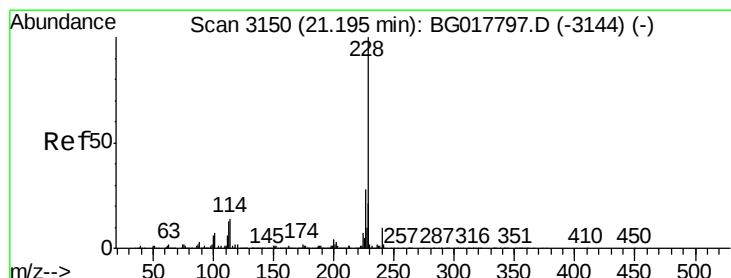
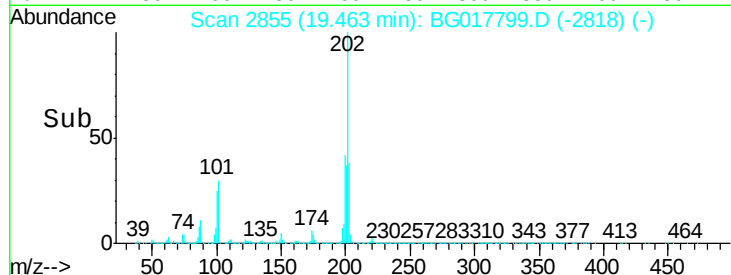
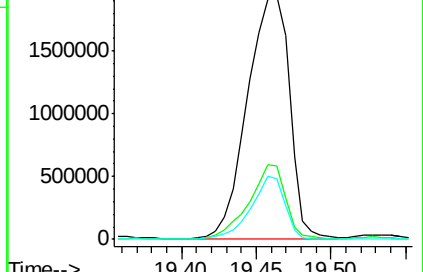
100 24.7 11.3 16.9#



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): E



#82

Benzo(a)anthracene

Concen: 98.89 ng/ul

RT: 21.21 min Scan# 3152

Delta R.T. 0.01 min

Lab File: BG017799.D

Acq: 7 Jul 2015 18:50

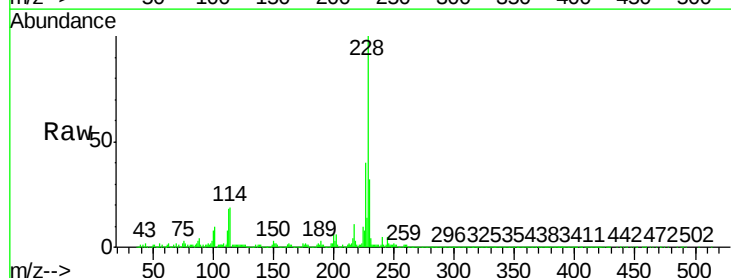
Tgt Ion:228 Resp: 2530563

Ion Ratio Lower Upper

228 100

229 32.4 15.8 23.8#

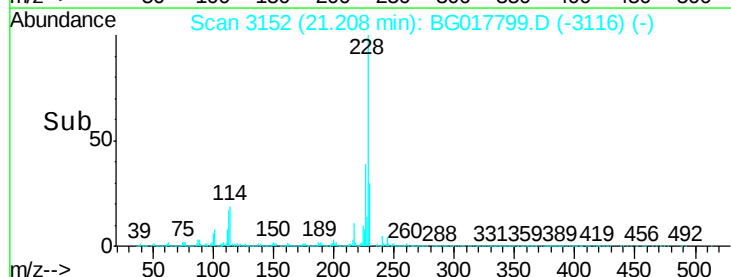
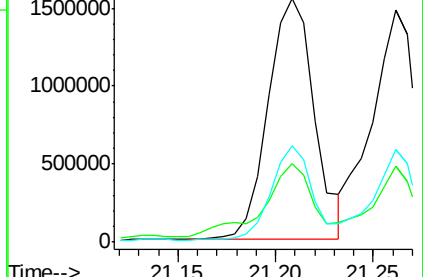
226 39.6 22.2 33.2#

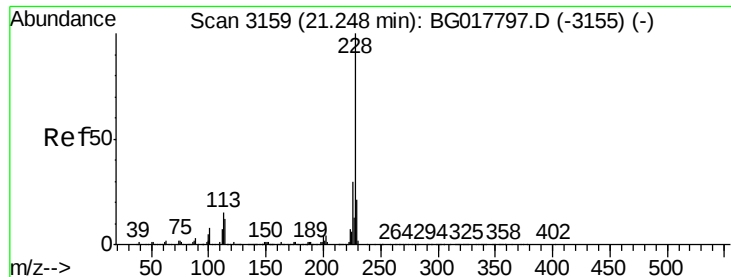


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 229.00 (228.70 to 229.70): E

Ion 226.00 (225.70 to 226.70): E





#84

Chrysene

Concen: 95.53 ng/ul

RT: 21.26 min Scan# 3161

Delta R.T. 0.01 min

Lab File: BG017799.D

Acq: 7 Jul 2015 18:50

Instrument :

BNA_G

ClientSampleId :

G93J2

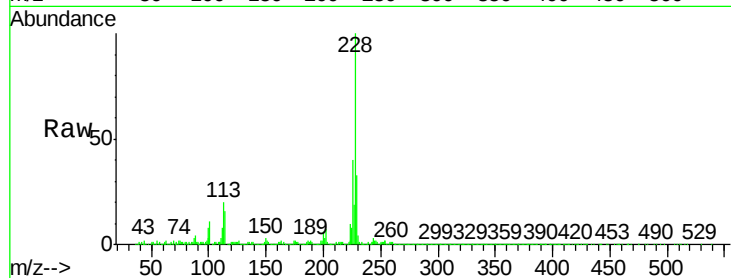
Tgt Ion:228 Resp: 2315200

Ion Ratio Lower Upper

228 100

226 40.1 25.6 38.4#

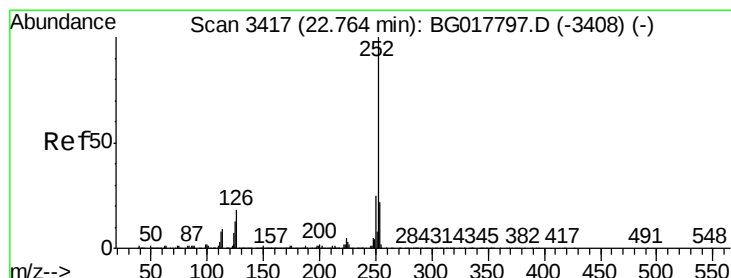
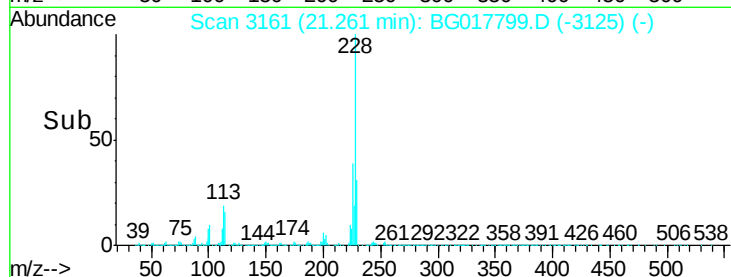
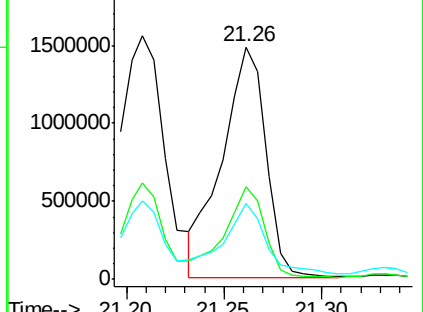
229 32.7 16.4 24.6#



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: 109.39 ng/ul

RT: 22.79 min Scan# 3422

Delta R.T. 0.03 min

Lab File: BG017799.D

Acq: 7 Jul 2015 18:50

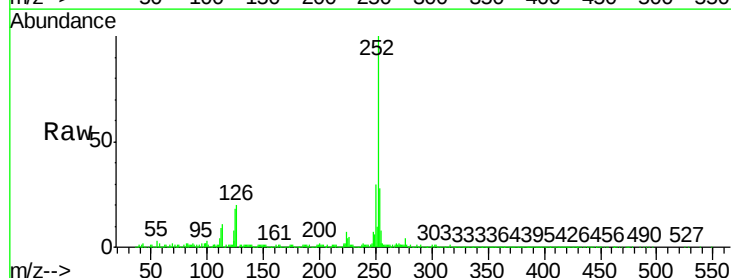
Tgt Ion:252 Resp: 2885042

Ion Ratio Lower Upper

252 100

253 28.1 16.8 25.2#

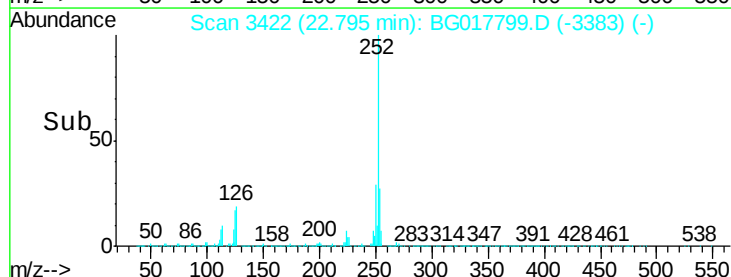
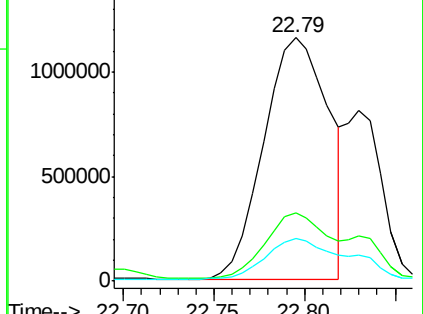
125 17.5 10.4 15.6#

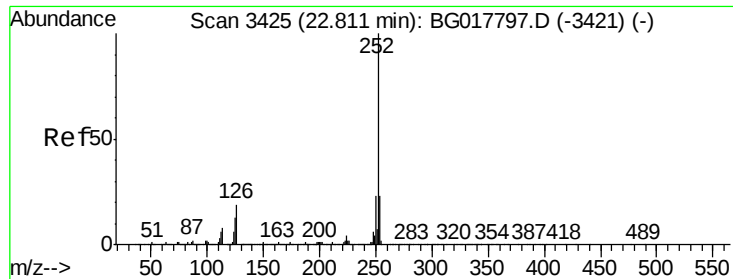


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#88

Benzo(k)fluoranthene

Concen: 59.15 ng/ul

RT: 22.79 min Scan# 3422

Delta R.T. -0.02 min

Lab File: BG017799.D

Acq: 7 Jul 2015 18:50

Instrument :

BNA_G

ClientSampleId :

G93J2

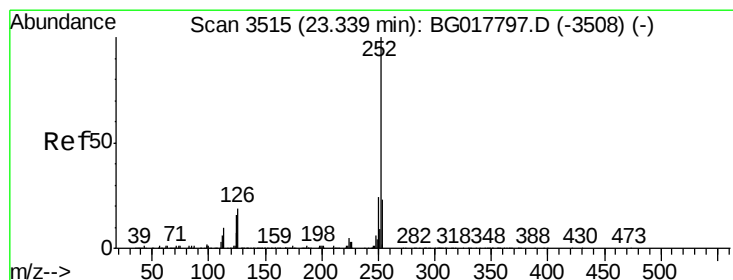
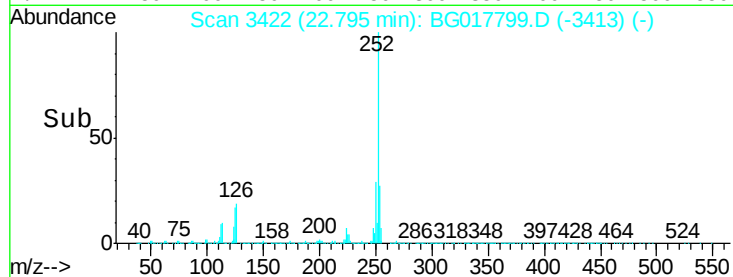
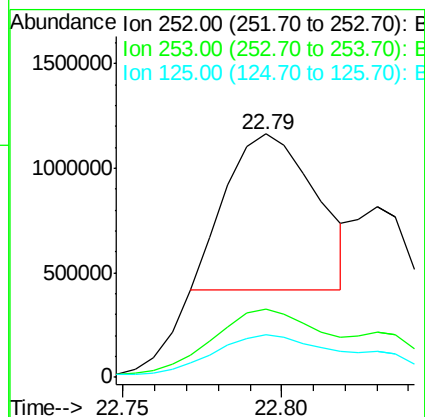
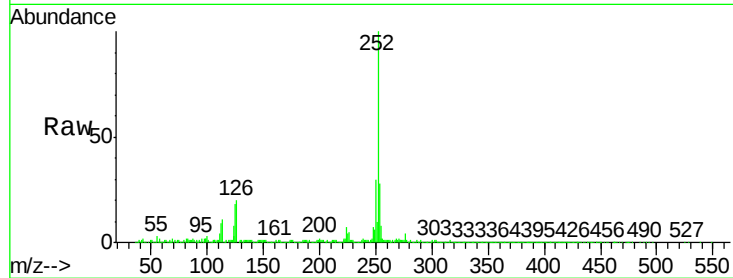
Tgt Ion:252 Resp: 1470328

Ion Ratio Lower Upper

252 100

253 28.1 17.6 26.4#

125 17.5 11.6 17.4#



#90

Benzo(a)pyrene

Concen: 86.37 ng/ul

RT: 23.37 min Scan# 3520

Delta R.T. 0.03 min

Lab File: BG017799.D

Acq: 7 Jul 2015 18:50

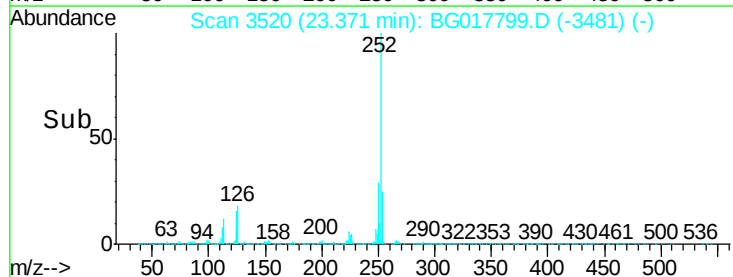
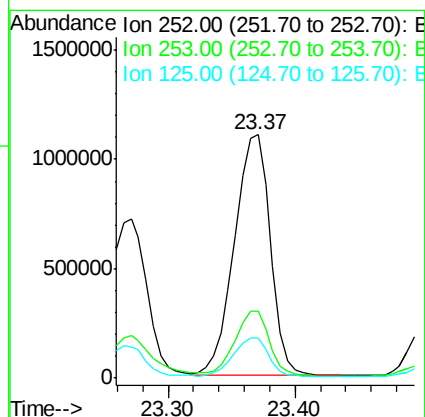
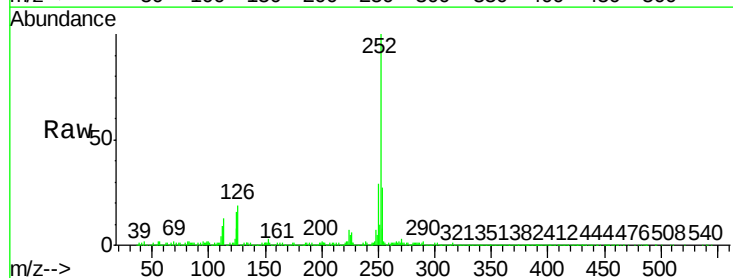
Tgt Ion:252 Resp: 2164868

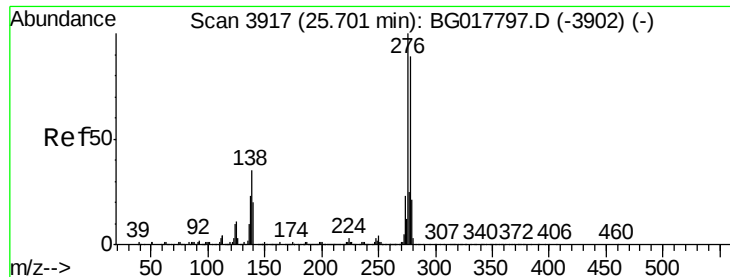
Ion Ratio Lower Upper

252 100

253 27.4 18.3 27.5

125 16.3 12.1 18.1





#91

Indeno(1,2,3-cd)pyrene

Concen: 42.52 ng/ul

RT: 25.73 min Scan# 3921

Delta R.T. 0.03 min

Lab File: BG017799.D

Acq: 7 Jul 2015 18:50

Instrument :

BNA_G

ClientSampleId :

G93J2

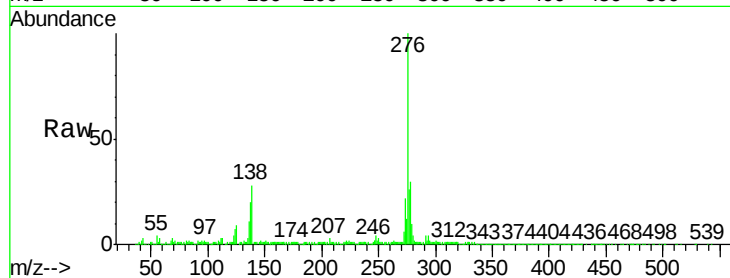
Tgt Ion:276 Resp: 1163690

Ion Ratio Lower Upper

276 100

138 27.8 26.1 39.1

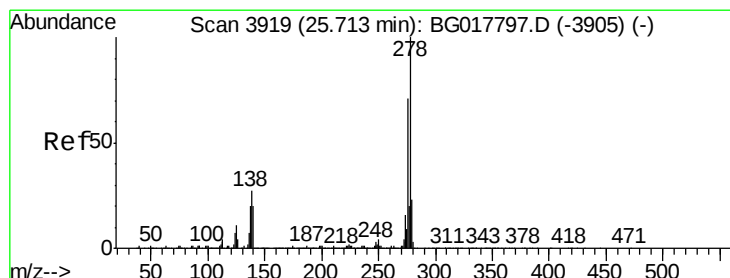
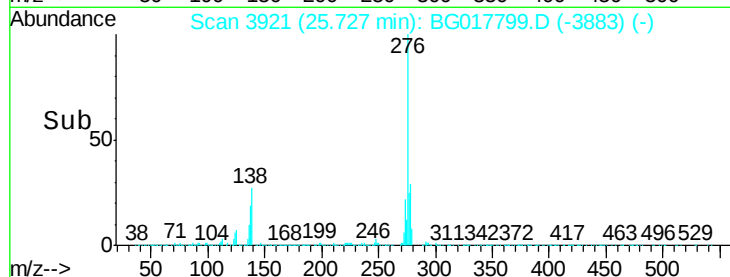
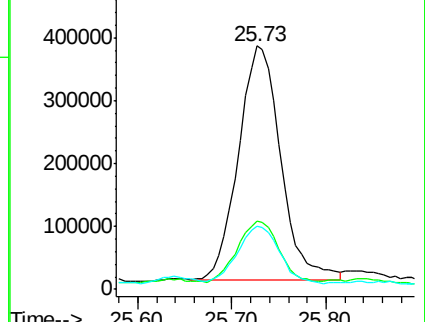
277 26.1 20.9 31.3



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



#92

Dibenzo(a,h)anthracene

Concen: 15.16 ng/ul

RT: 25.73 min Scan# 3921

Delta R.T. 0.01 min

Lab File: BG017799.D

Acq: 7 Jul 2015 18:50

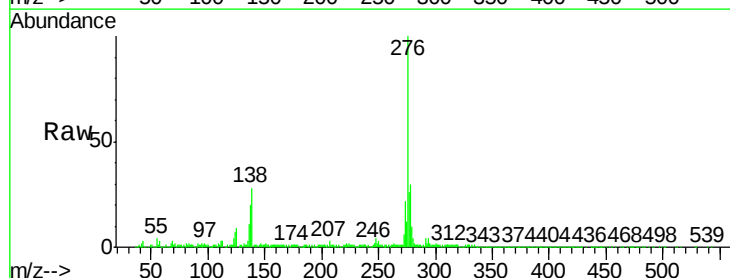
Tgt Ion:278 Resp: 350456

Ion Ratio Lower Upper

278 100

139 0.0 16.3 24.5#

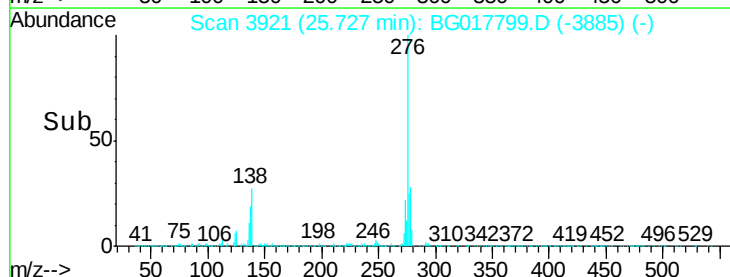
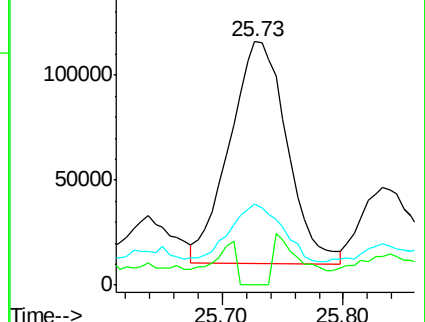
279 33.2 18.7 28.1#

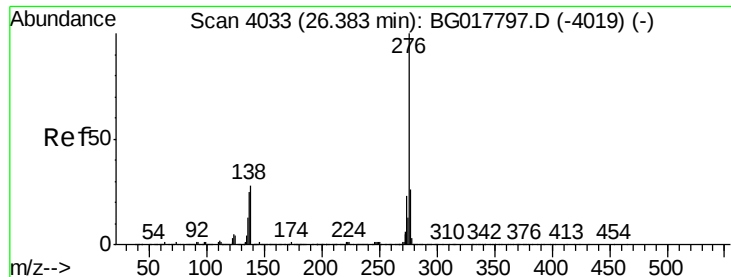


Abundance Ion 278.00 (277.70 to 278.70): E

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: 27.13 ng/ul

RT: 26.43 min Scan# 4040

Delta R.T. 0.04 min

Lab File: BG017799.D

Acq: 7 Jul 2015 18:50

Instrument :

BNA_G

ClientSampleId :

G93J2

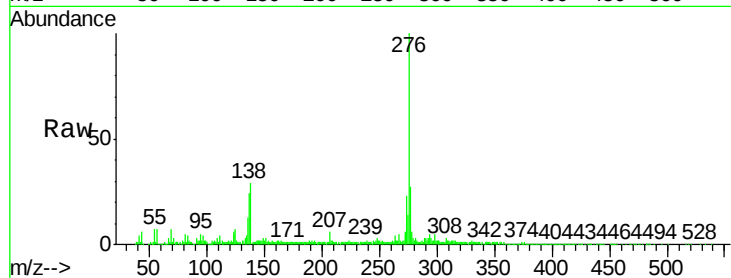
Tgt Ion: 276 Resp: 620993

Ion Ratio Lower Upper

276 100

138 28.9 25.1 37.7

277 26.7 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

