

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

Manual Integrations
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apatel
 7/9/2015 8:31:37 AM

Quant Time: Jul 08 05:25:06 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
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
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	22.83	252	1137991m	45.78	ng/ul	
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
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

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

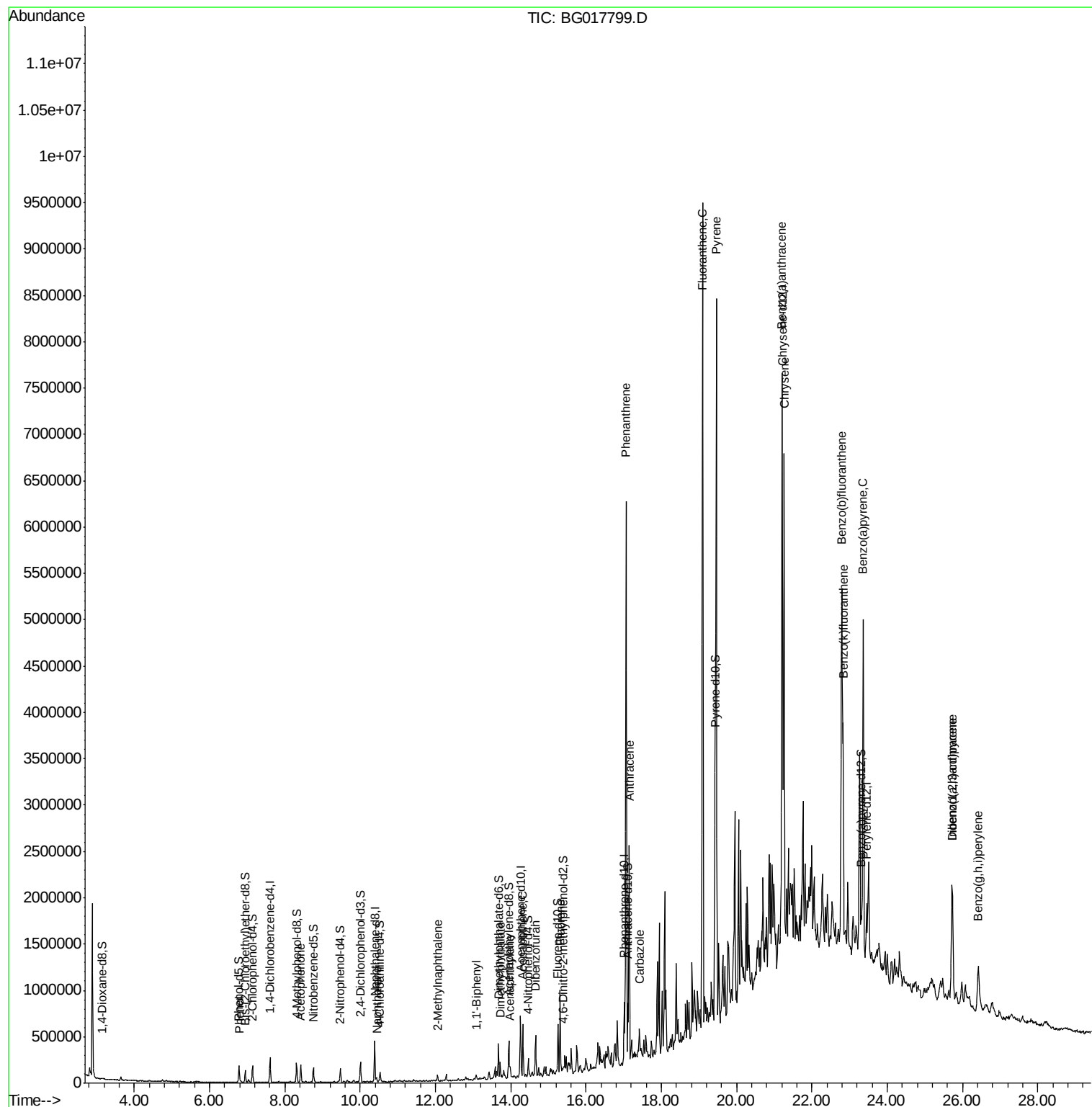
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Data File : BG017799.D
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Operator : TP/UM
Sample : G2860-07
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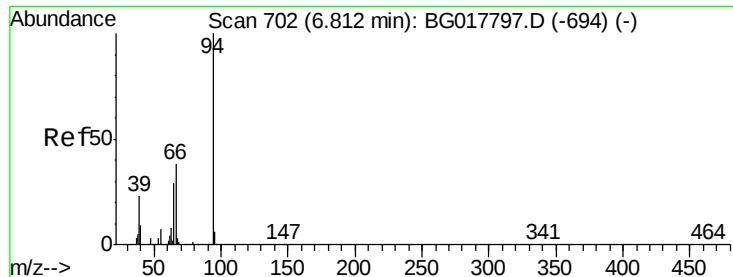
Instrument :
BNA_G
ClientSampled :
G93J2

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Quant Title : SVOA CALIBRATION
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#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

Instrument :

BNA_G

ClientSampled :

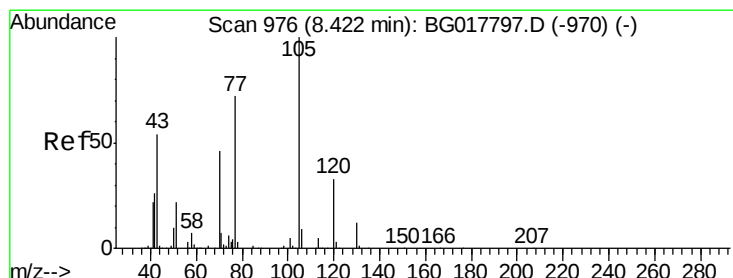
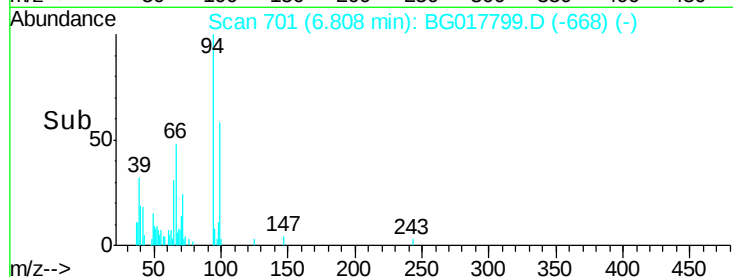
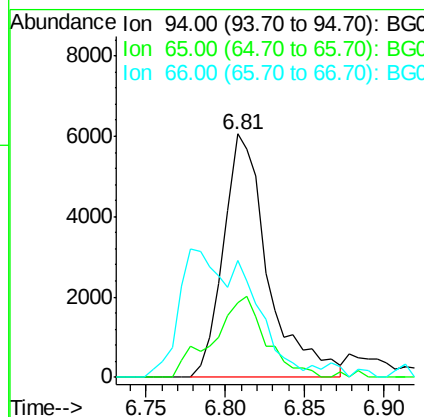
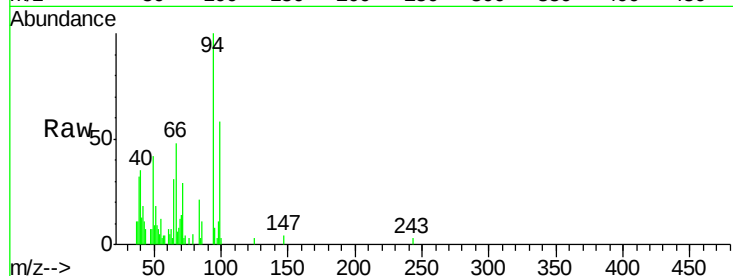
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Tgt Ion	Ratio	Lower	Upper
94	100		
65	30.9	24.2	36.4
66	48.1	33.4	50.2



#14

Acetophenone

Concen: 12.98 ng/ul

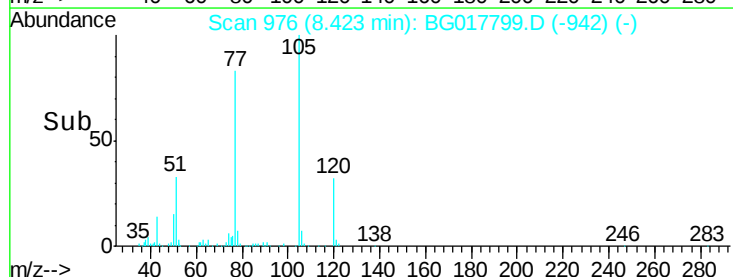
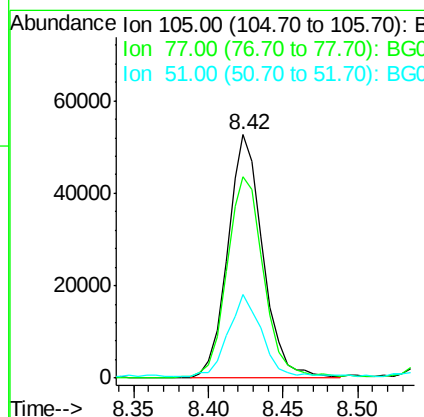
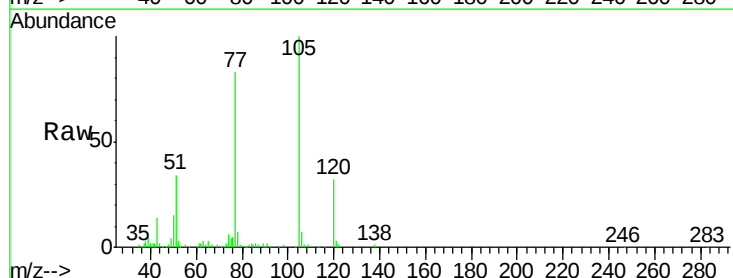
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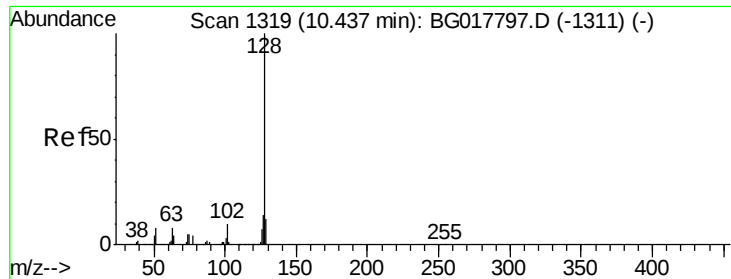
Delta R.T. 0.00 min

Lab File: BG017799.D

Acq: 7 Jul 2015 18:50

Tgt Ion	Ratio	Lower	Upper
105	100		
77	82.9	69.5	104.3
51	34.1	26.7	40.1





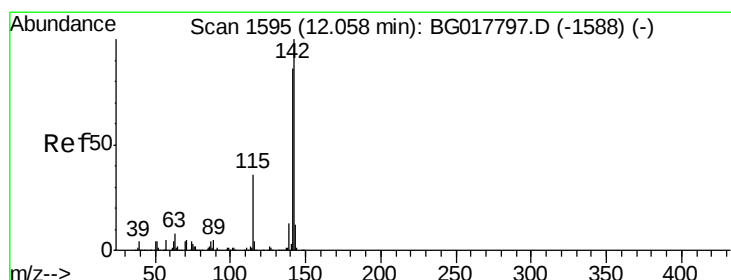
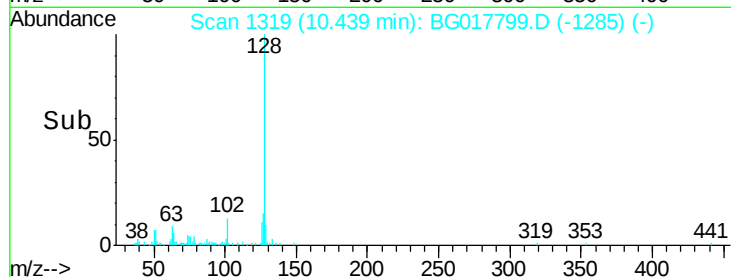
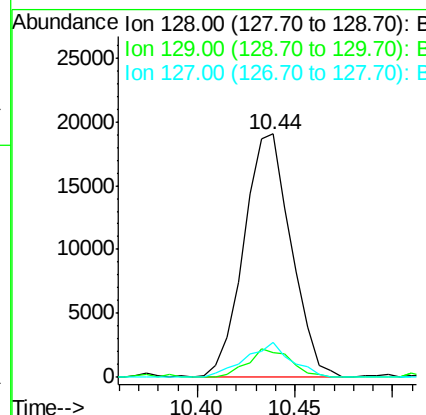
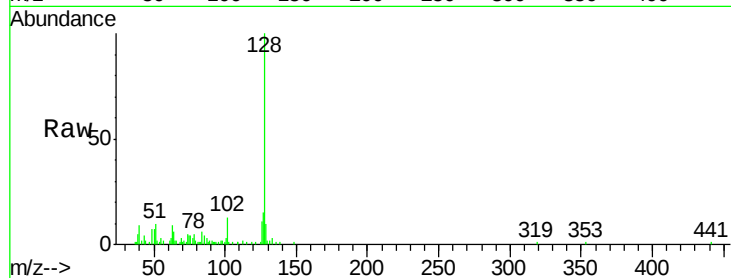
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Naphthalene
Concen: 1.84 ng/ul
RT: 10.44 min Scan# 1319
Delta R.T. 0.00 min
Lab File: BG017799.D
Acq: 7 Jul 2015 18:50

Instrument :
BNA_G
ClientSampled :
G93J2

Tgt Ion	Ratio	Resp	Lower	Upper
128	100	31920		
129	10.3	8.7	13.1	
127	14.5	11.0	16.6	

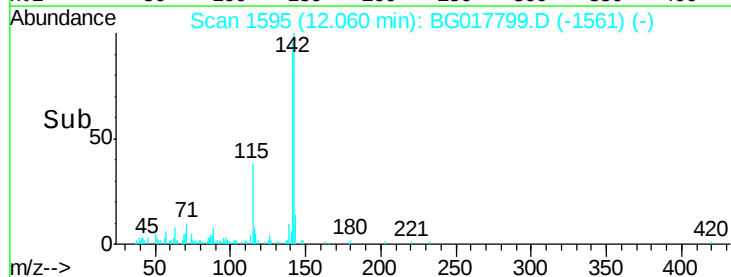
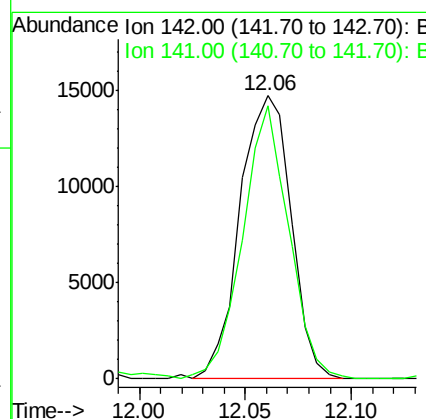
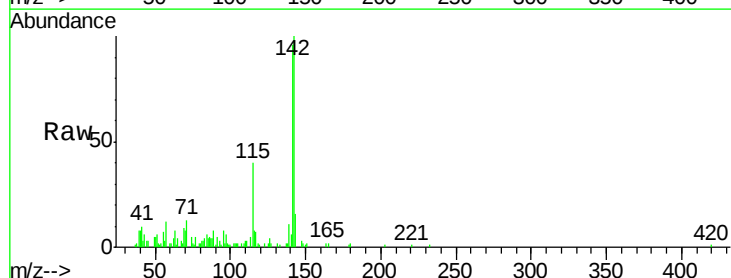
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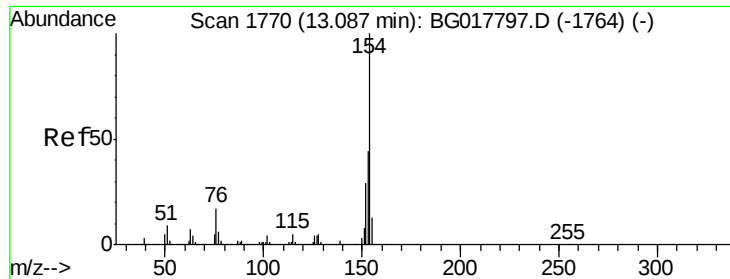
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#34
2-Methylnaphthalene
Concen: 2.01 ng/ul
RT: 12.06 min Scan# 1595
Delta R.T. 0.00 min
Lab File: BG017799.D
Acq: 7 Jul 2015 18:50

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





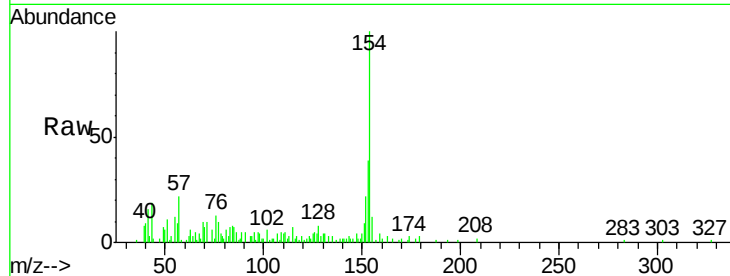
#40
 1,1'-Biphenyl
 Concen: 1.41 ng/ul
 RT: 13.08 min Scan# 1769
 Delta R.T. -0.00 min
 Lab File: BG017799.D
 Acq: 7 Jul 2015 18:50

Instrument :
 BNA_G
 ClientSampleId :
 G93J2

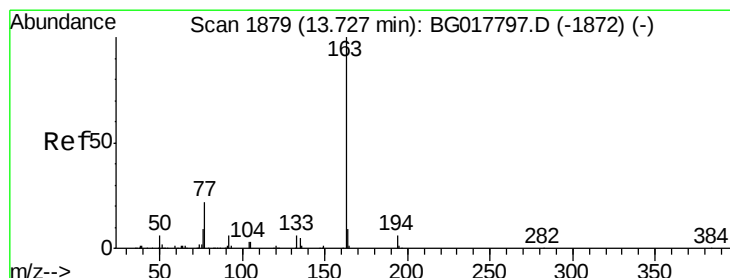
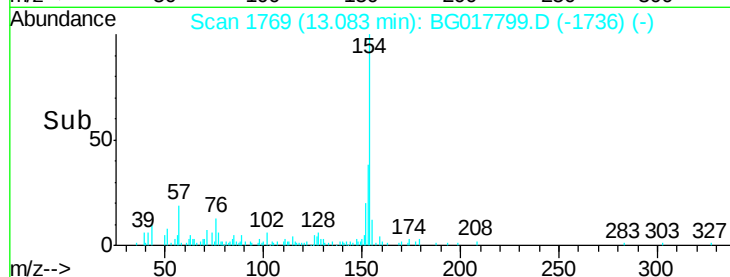
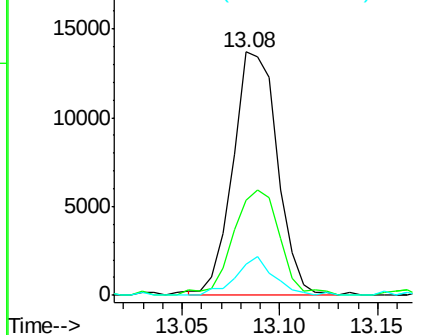
Tgt Ion	Ratio	Resp	Lower	Upper
154	100	21678		
153	39.2	33.3	49.9	
76	13.0	12.4	18.6	

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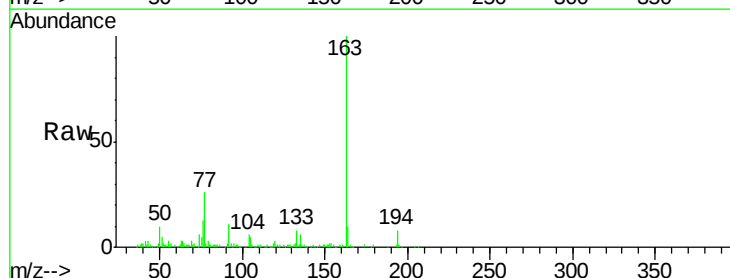


Abundance Ion 154.00 (153.70 to 154.70): E
 Ion 153.00 (152.70 to 153.70): E
 Ion 76.00 (75.70 to 76.70): B

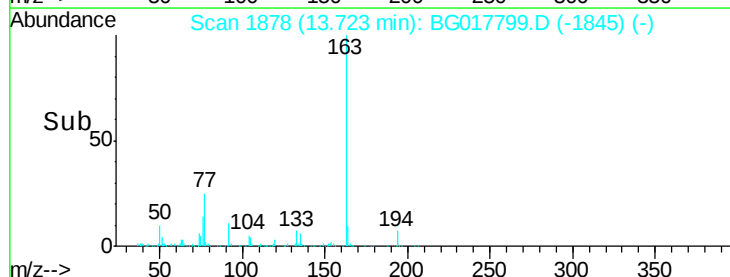
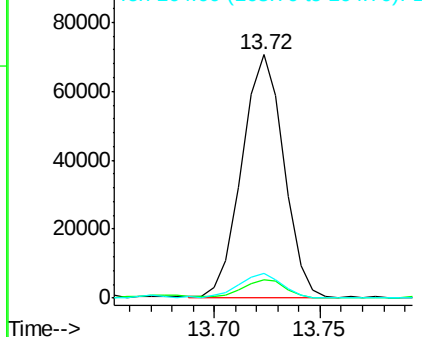


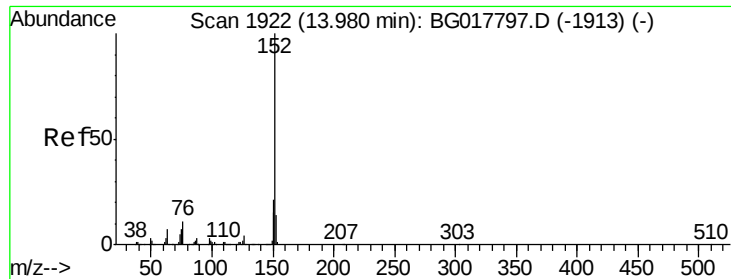
#44
 Dimethylphthalate
 Concen: 6.34 ng/ul
 RT: 13.72 min Scan# 1878
 Delta R.T. -0.00 min
 Lab File: BG017799.D
 Acq: 7 Jul 2015 18:50

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



Abundance Ion 163.00 (162.70 to 163.70): E
 Ion 194.00 (193.70 to 194.70): E
 Ion 164.00 (163.70 to 164.70): E





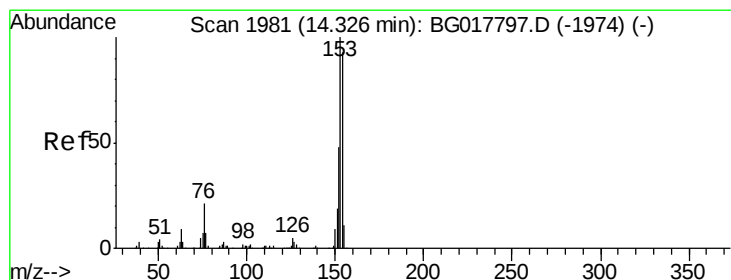
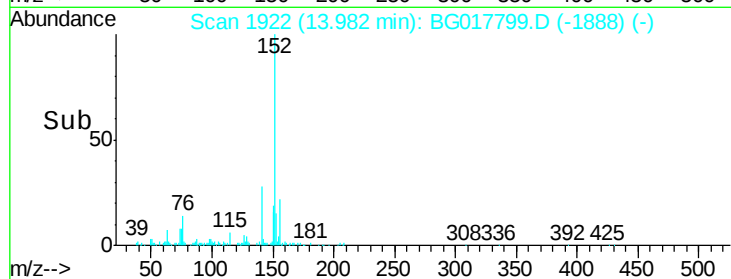
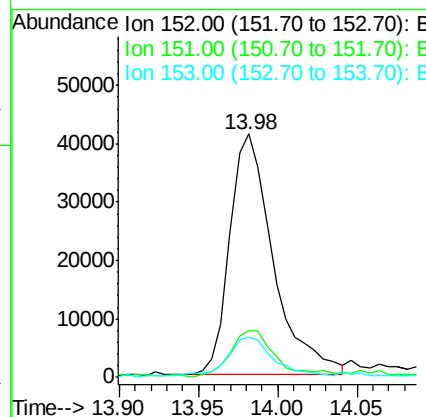
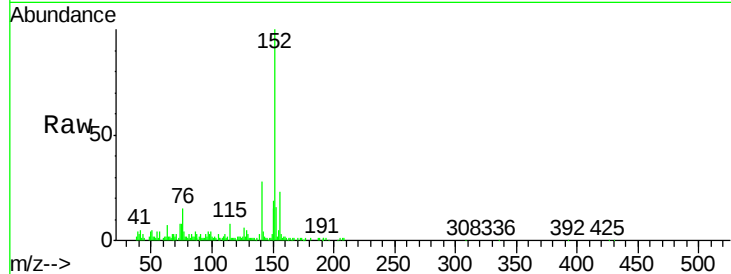
#47
Acenaphthylene
Concen: 3.89 ng/ul
RT: 13.98 min Scan# 1922
Delta R.T. 0.00 min
Lab File: BG017799.D
Acq: 7 Jul 2015 18:50

Instrument :
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ClientSampleId :
G93J2

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

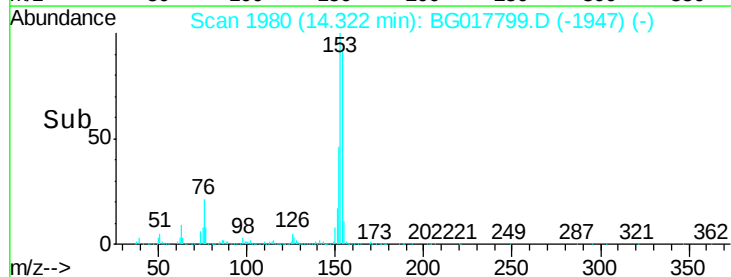
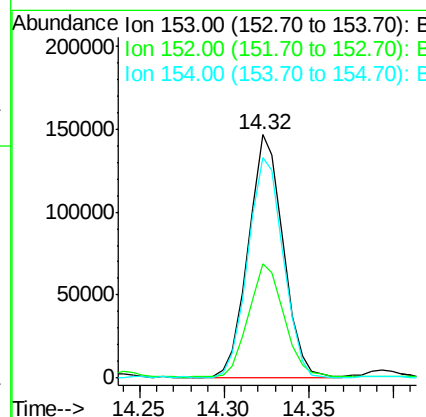
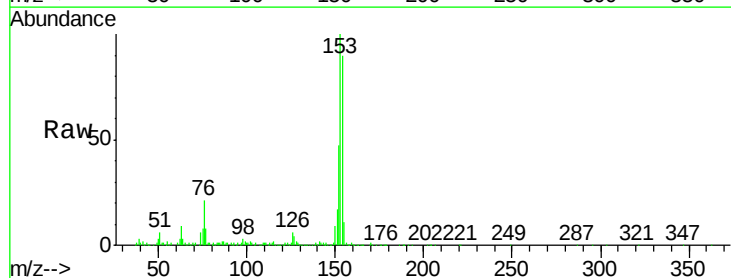
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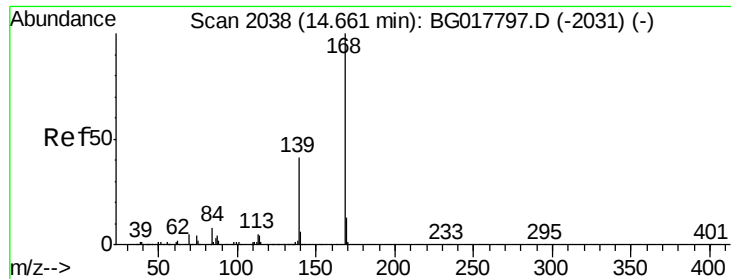
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#49
Acenaphthene
Concen: 15.46 ng/ul
RT: 14.32 min Scan# 1980
Delta R.T. -0.00 min
Lab File: BG017799.D
Acq: 7 Jul 2015 18:50

Tgt Ion	Ratio	Resp	Lower	Upper
153	100	210947		
152	46.9	37.8	56.6	
154	90.4	71.2	106.8	





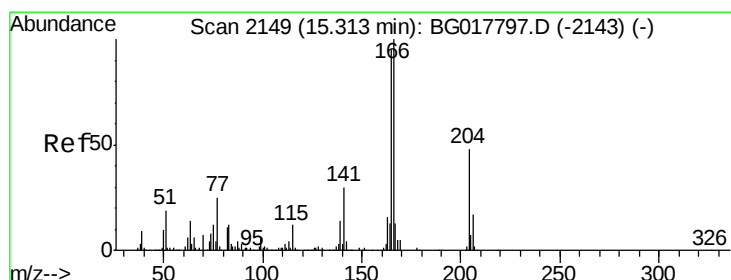
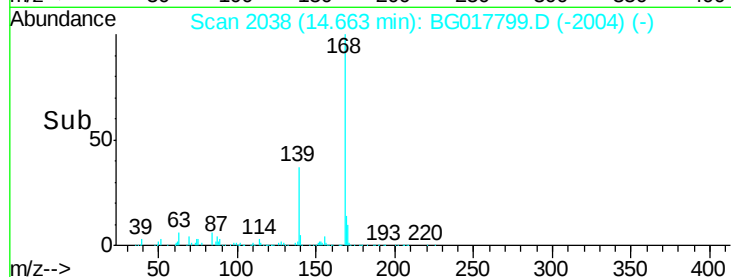
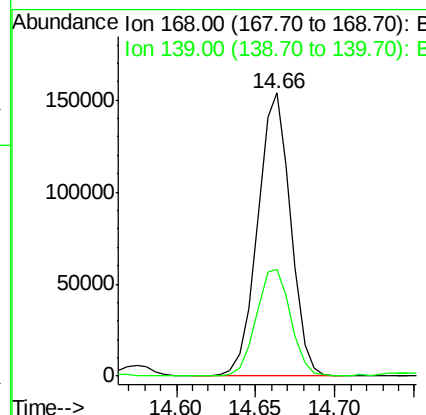
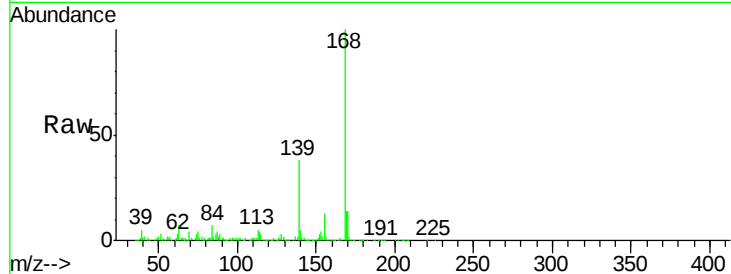
#53
Dibenzo(furan)
Concen: 12.08 ng/ul
RT: 14.66 min Scan# 2038
Delta R.T. 0.00 min
Lab File: BG017799.D
Acq: 7 Jul 2015 18:50

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Tgt Ion	Ratio	Resp	Lower	Upper
168	100	222100		
139	37.6	32.7	49.1	

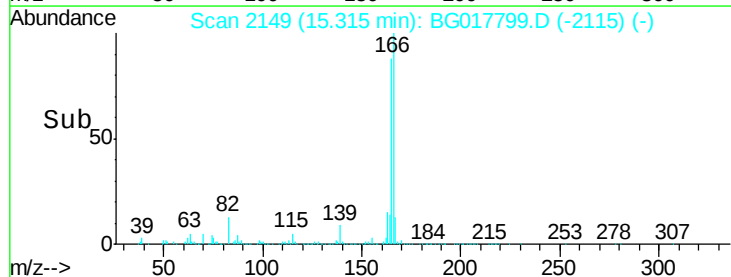
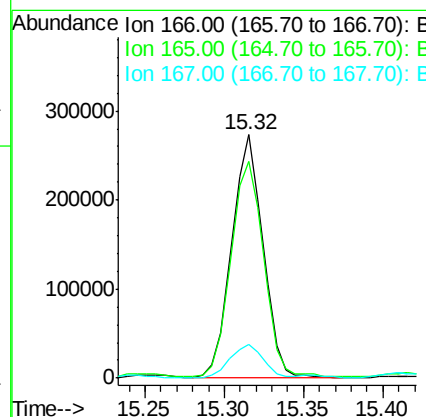
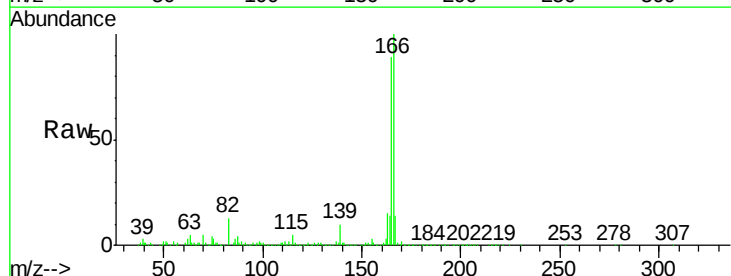
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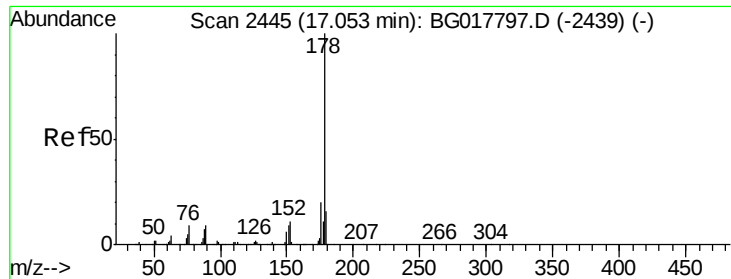
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#58
Fluorene
Concen: 22.70 ng/ul
RT: 15.32 min Scan# 2149
Delta R.T. 0.00 min
Lab File: BG017799.D
Acq: 7 Jul 2015 18:50

Tgt Ion	Ratio	Resp	Lower	Upper
166	100	370890		
165	88.8	75.7	113.5	
167	13.9	10.1	15.1	





#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

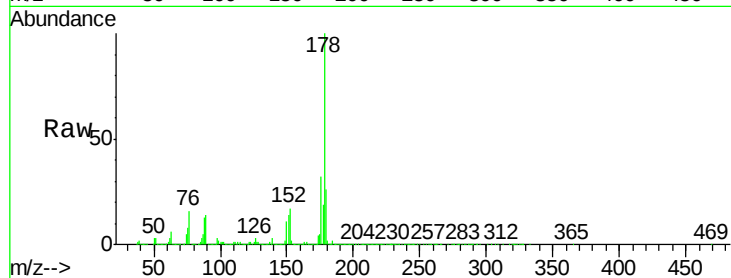
178 100

179 26.3 13.0 19.4#

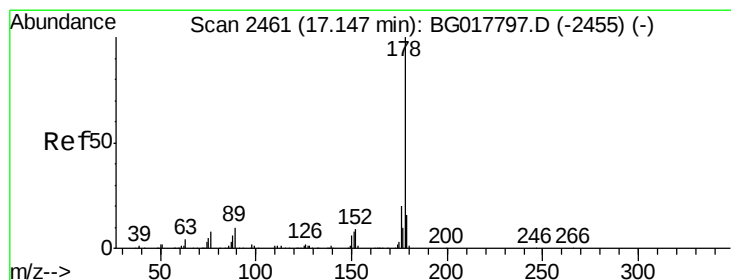
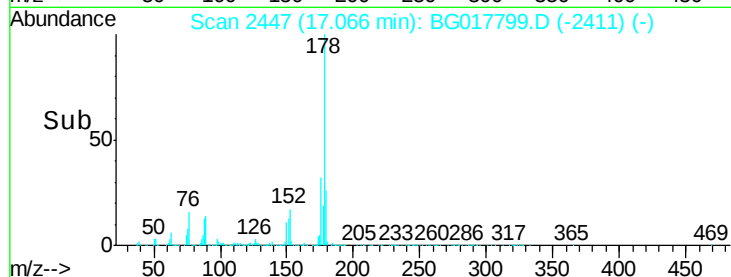
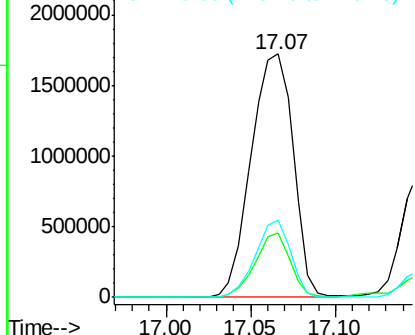
176 31.7 17.0 25.4#

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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

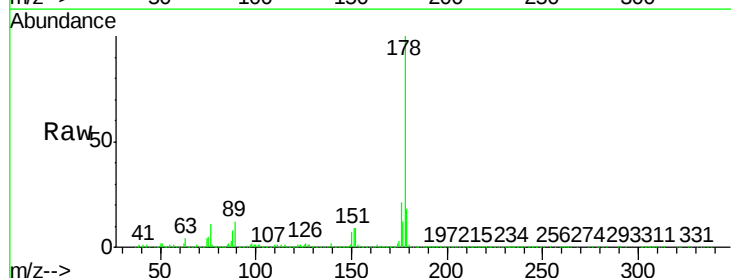
Tgt Ion:178 Resp: 1321469

Ion Ratio Lower Upper

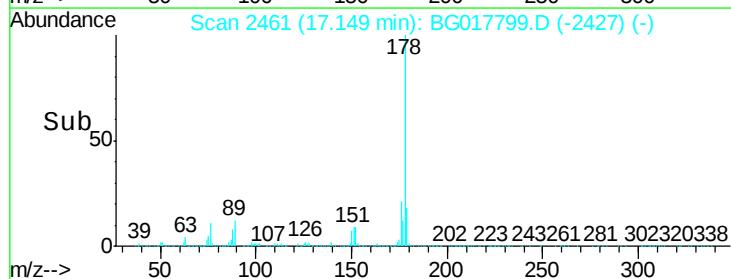
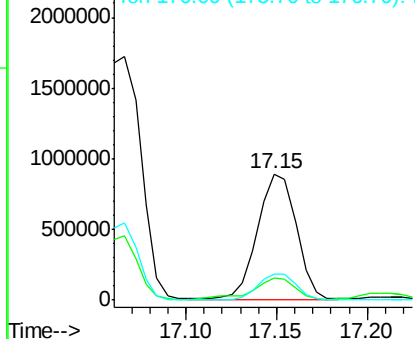
178 100

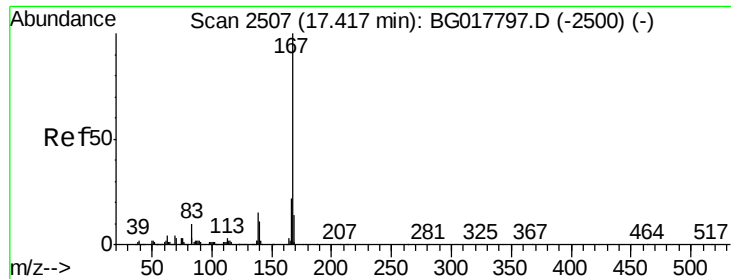
179 17.8 12.4 18.6

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

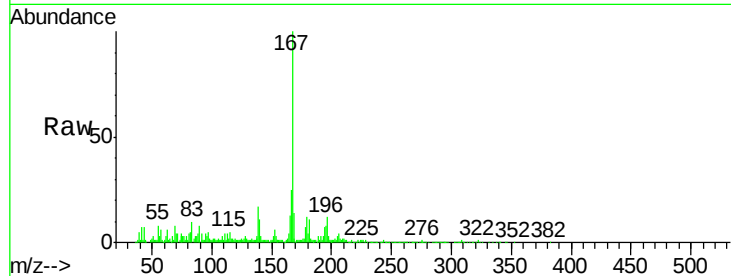
Acq: 7 Jul 2015 18:50

Instrument :

BNA_G

ClientSampleId :

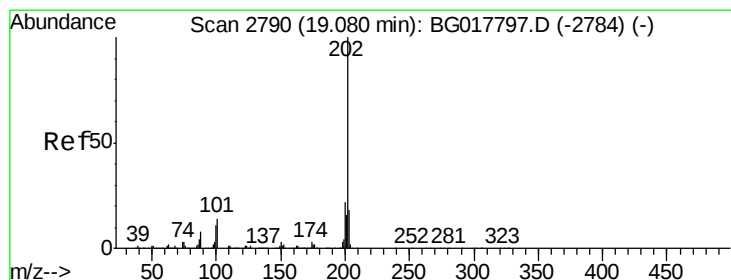
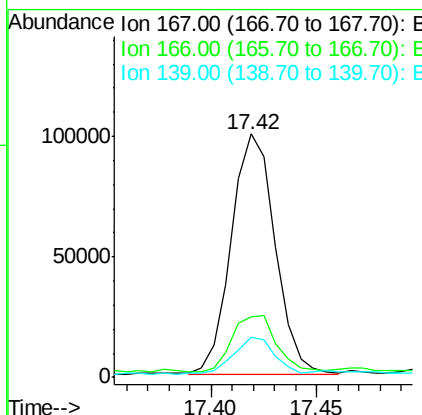
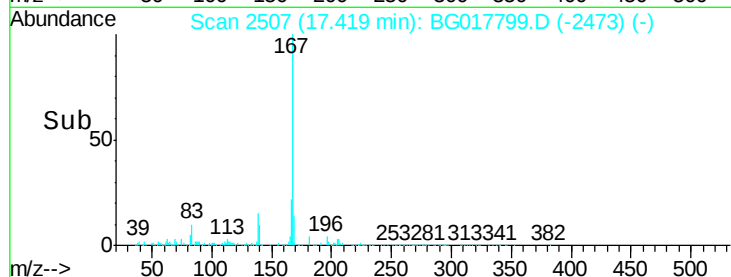
G93J2



Tgt Ion	Ratio	Resp	Lower	Upper
167	100	143070		
166	24.9	18.0	27.0	
139	16.6	11.4	17.0	

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#76

Fluoranthene

Concen: 188.20 ng/ul

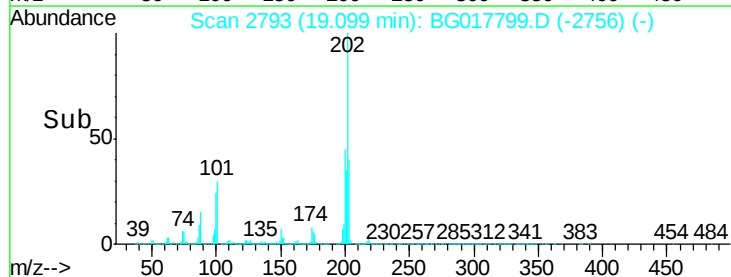
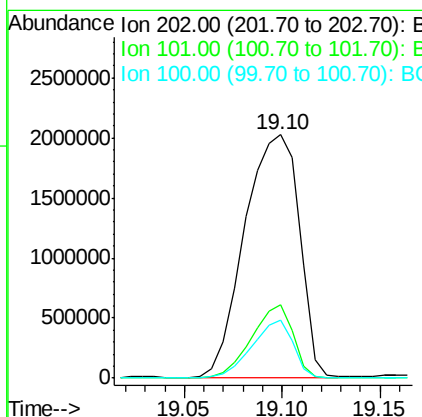
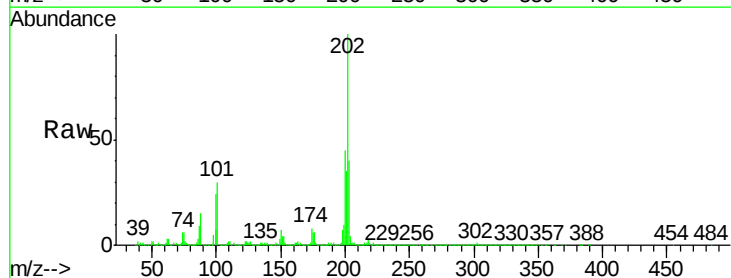
RT: 19.10 min Scan# 2793

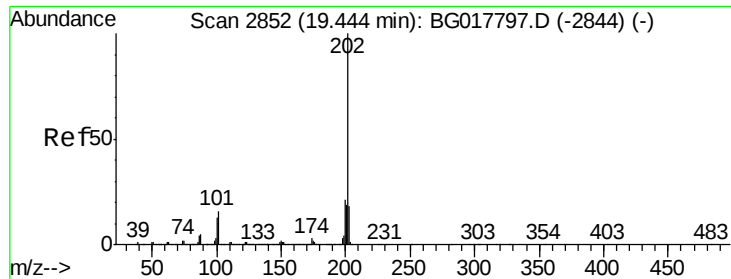
Delta R.T. 0.02 min

Lab File: BG017799.D

Acq: 7 Jul 2015 18:50

Tgt Ion	Ratio	Resp	Lower	Upper
202	100	3928722		
101	30.1	12.6	18.8#	
100	23.8	9.1	13.7#	





#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

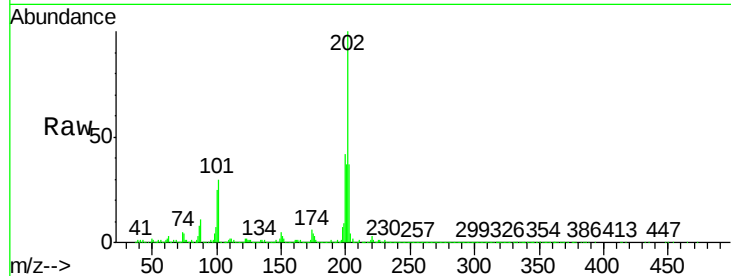
ClientSampleId :

G93J2

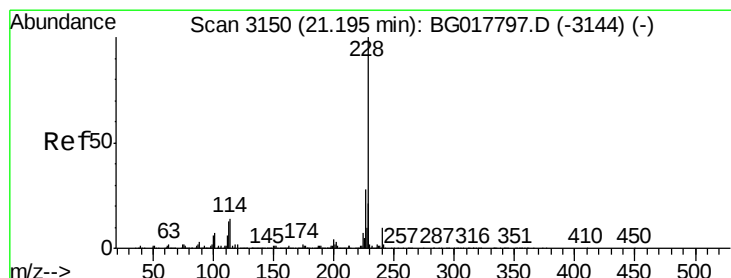
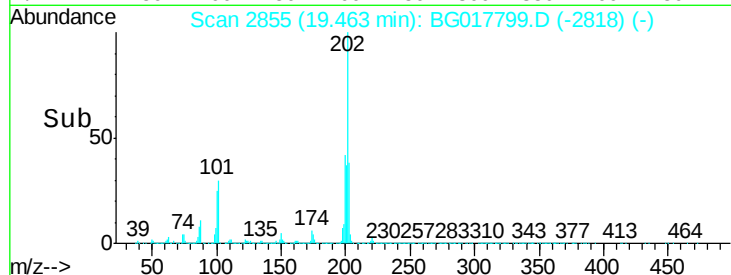
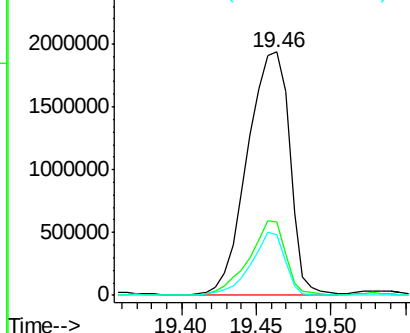
Tgt Ion	Ratio	Lower	Upper
202	100		
101	30.0	13.1	19.7#
100	24.7	11.3	16.9#

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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: 98.89 ng/ul

RT: 21.21 min Scan# 3152

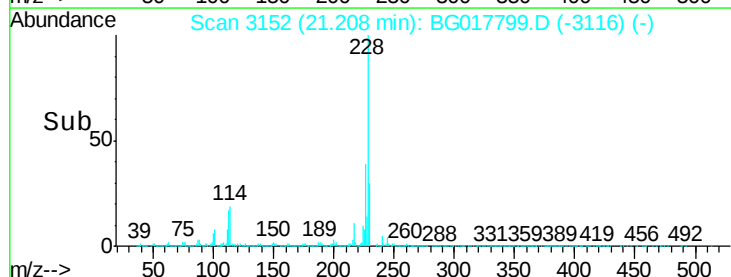
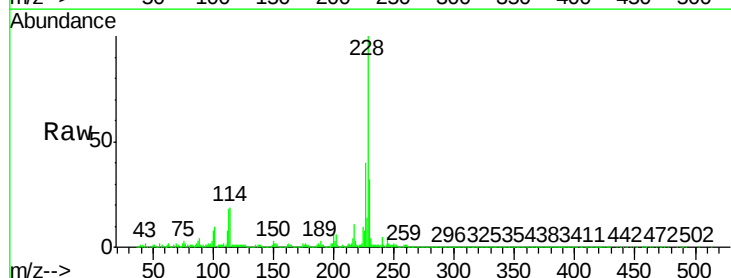
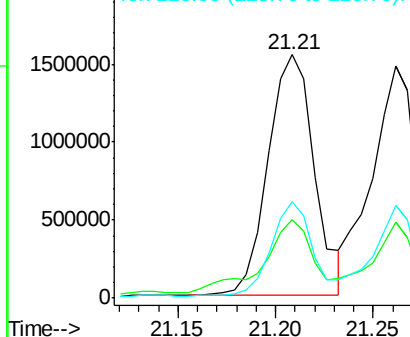
Delta R.T. 0.01 min

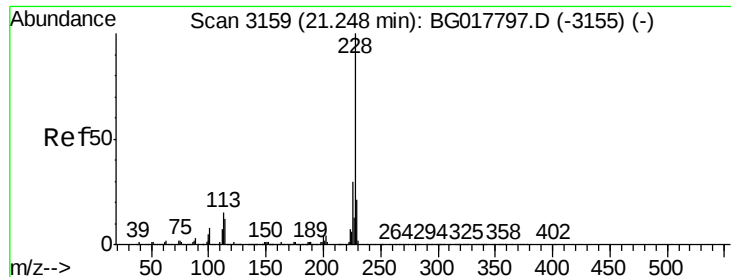
Lab File: BG017799.D

Acq: 7 Jul 2015 18:50

Tgt Ion	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

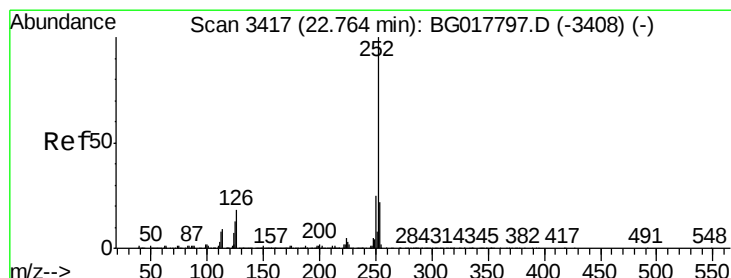
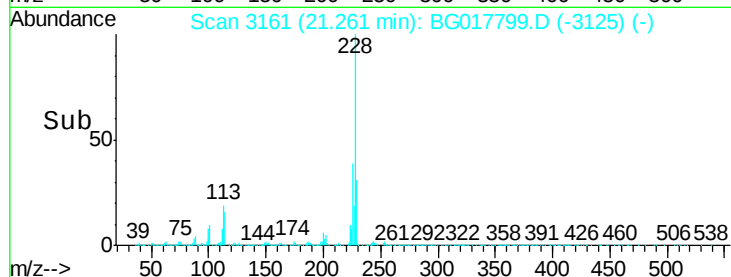
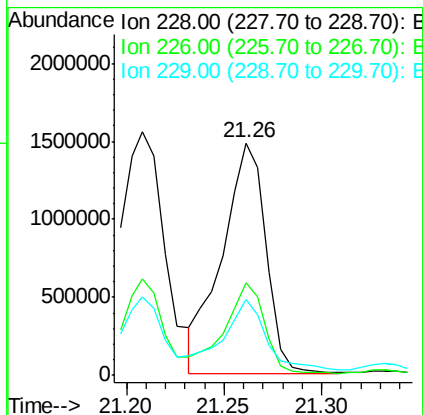
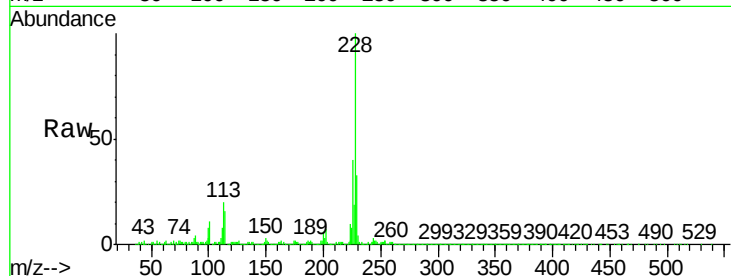
228 100

226 40.1 25.6 38.4#

229 32.7 16.4 24.6#

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#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

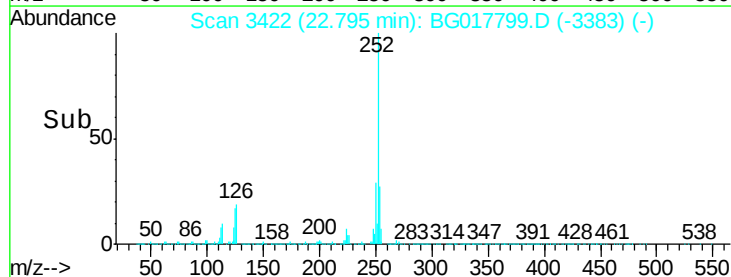
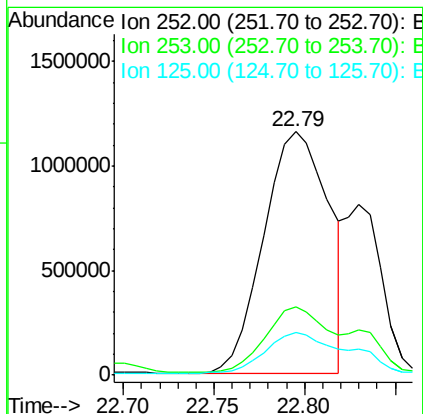
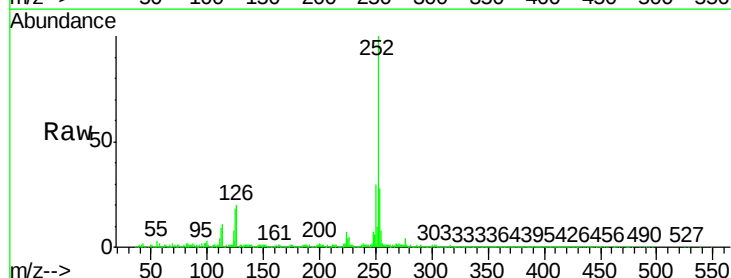
Tgt Ion:252 Resp: 2885042

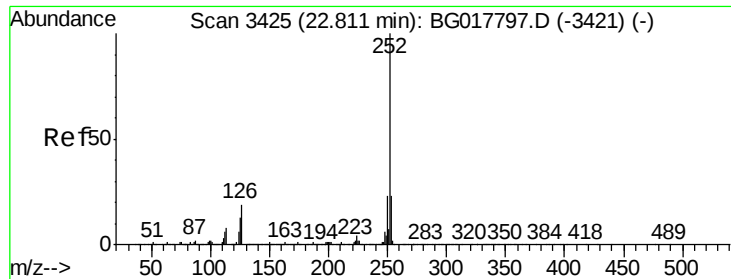
Ion Ratio Lower Upper

252 100

253 28.1 16.8 25.2#

125 17.5 10.4 15.6#





#88

Benzo(k)fluoranthene

Concen: 45.78 ng/ul m

RT: 22.83 min Scan# 3428

Delta R.T. 0.02 min

Lab File: BG017799.D

Acq: 7 Jul 2015 18:50

Instrument :

BNA_G

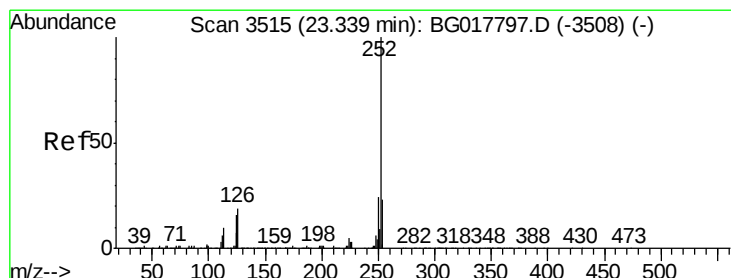
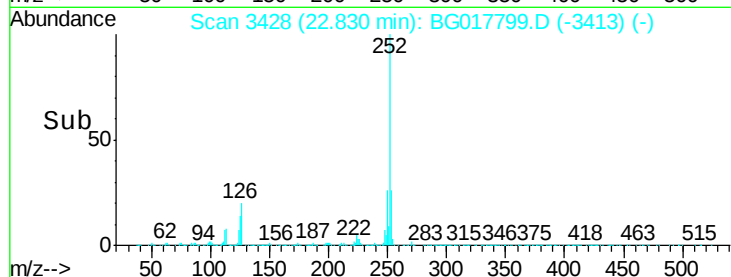
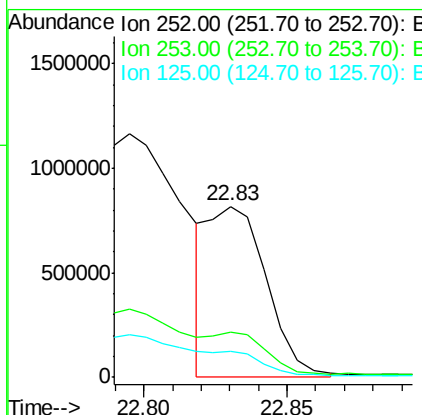
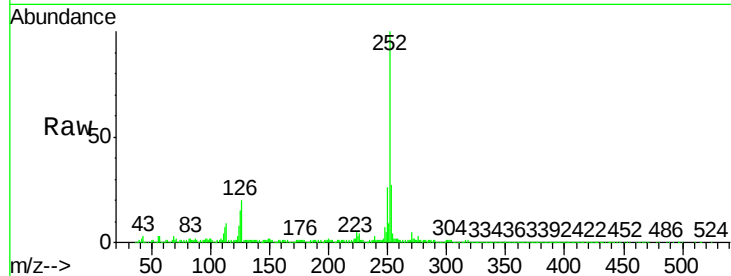
ClientSampleId :

G93J2

Tgt Ion:	252	Resp:	1137991
Ion Ratio	Lower	Upper	
252	100		
253	26.7	17.6	26.4#
125	15.1	11.6	17.4

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#90

Benzo(a)pyrene

Concen: 86.37 ng/ul

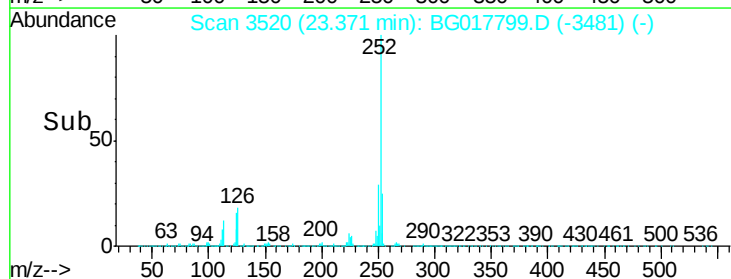
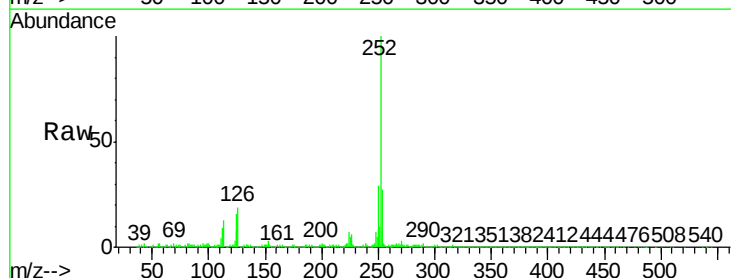
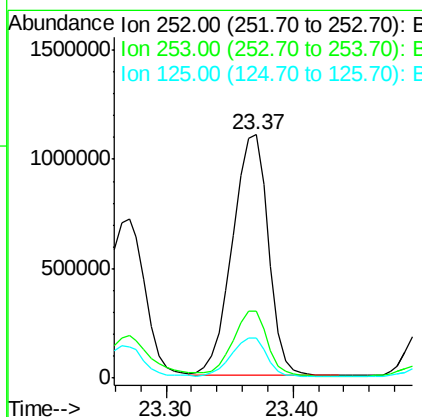
RT: 23.37 min Scan# 3520

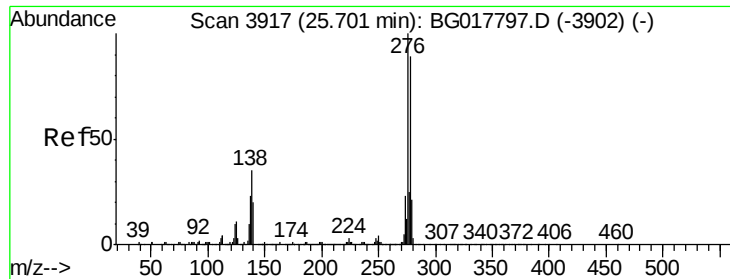
Delta R.T. 0.03 min

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

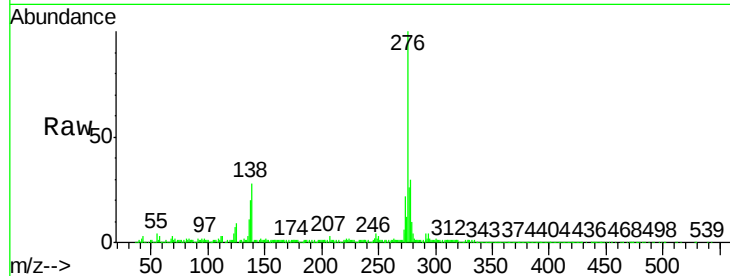
138 27.8 26.1 39.1

277 26.1 20.9 31.3

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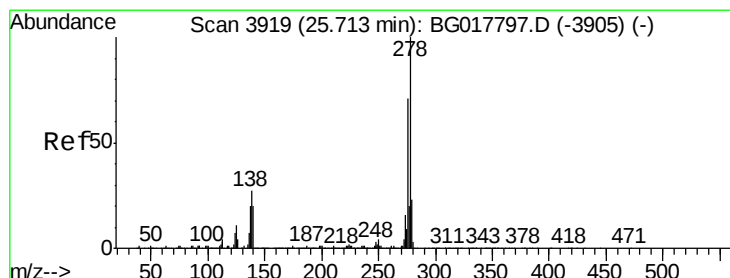
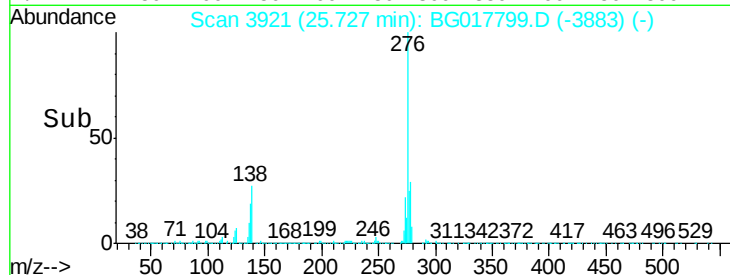
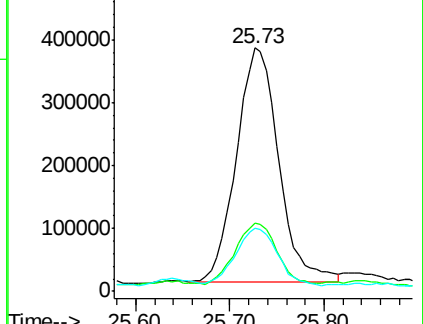
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Abundance Ion 276.00 (275.70 to 276.70): E

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

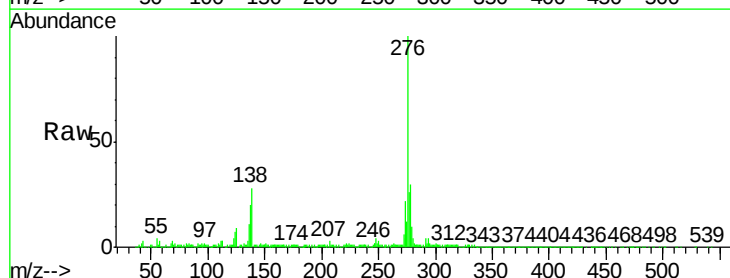
Tgt Ion: 278 Resp: 350456

Ion Ratio Lower Upper

278 100

139 0.0 16.3 24.5#

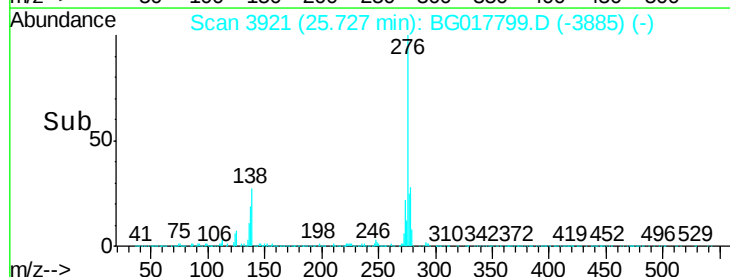
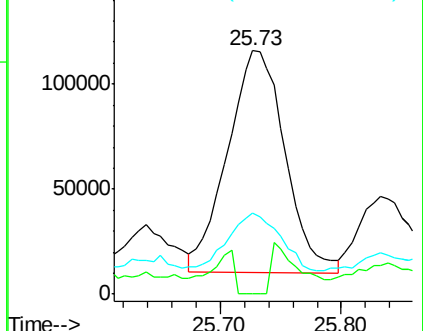
279 33.2 18.7 28.1#

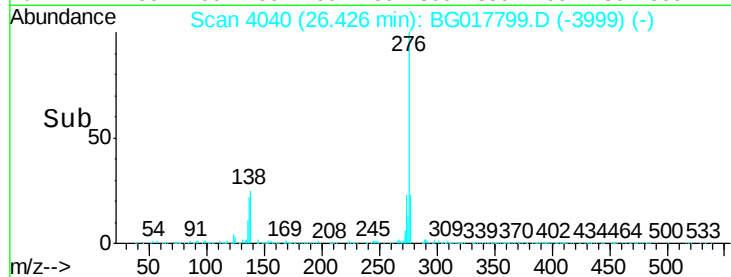
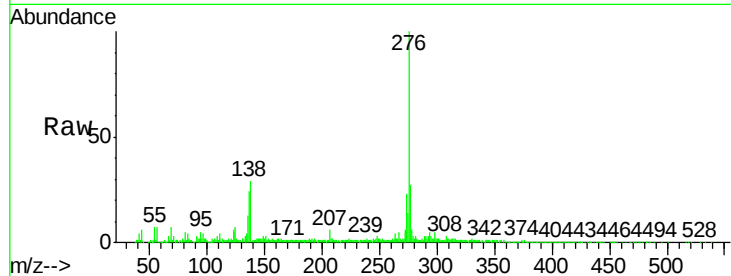
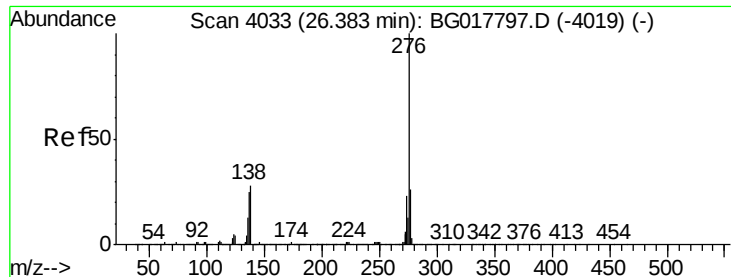


Abundance Ion 278.00 (277.70 to 278.70): E

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	Ratio	Resp	Lower	Upper
276	100		620993		
138	28.9	25.1	37.7		
277	26.7	18.7	28.1		

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