

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG070615\
 Data File : BG017777.D
 Acq On : 6 Jul 2015 20:08
 Operator : TP/UM
 Sample : G2860-04
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 G93H9

Manual Integrations
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Quant Time: Jul 07 11:26:35 2015
 Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG070615.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Tue Jul 07 01:50:10 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.61	152	175751	20.00	ng/ul	0.00
18) Naphthalene-d8	10.38	136	861117	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.26	164	553260	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.01	188	1123218	20.00	ng/ul	0.00
77) Chrysene-d12	21.21	240	1243062	20.00	ng/ul	0.00
85) Perylene-d12	23.45	264	1290744	20.00	ng/ul	0.02

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.13	96	7378	1.66	ng/uL	0.00
5) Phenol-d5	6.78	99	160888	10.84	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	6.95	67	105899	11.91	ng/ul	0.00
9) 2-Chlorophenol-d4	7.14	132	130173	10.25	ng/ul	0.00
13) 4-Methylphenol-d8	8.31	113	103923	8.56	ng/ul	0.00
19) Nitrobenzene-d5	8.76	128	69959	10.86	ng/ul	0.00
22) 2-Nitrophenol-d4	9.47	143	74193	11.53	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.00	165	121652	9.90	ng/ul	0.00
29) 4-Chloroaniline-d4	10.53	131	103608	6.21	ng/ul	0.00
43) Dimethylphthalate-d6	13.67	166	378497	10.34	ng/ul	0.00
46) Acenaphthylene-d8	13.95	160	448253	9.08	ng/ul	0.00
51) 4-Nitrophenol-d4	14.46	143	58814	8.01	ng/ul	0.00
57) Fluorene-d10	15.26	176	319451	8.55	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.37	200	36271	6.96	ng/ul	0.00
70) Anthracene-d10	17.11	188	478186	9.34	ng/ul	0.00
78) Pyrene-d10	19.42	212	446545	7.56	ng/ul	0.00
89) Benzo(a)pyrene-d12	23.30	264	408053	7.18	ng/ul	0.02

Target Compounds

					Qvalue
6) Phenol	6.80	94	16686	1.05 ng/ul	94
14) Acetophenone	8.42	105	121180	6.77 ng/ul	97
28) Naphthalene	10.43	128	196623	4.41 ng/ul	96
34) 2-Methylnaphthalene	12.05	142	48456	1.53 ng/ul	94
44) Dimethylphthalate	13.72	163	116170	2.86 ng/ul	99
47) Acenaphthylene	13.97	152	118259	2.19 ng/ul	98
49) Acenaphthene	14.32	153	144519	3.98 ng/ul	98
53) Dibenzofuran	14.66	168	144233	2.94 ng/ul	96
58) Fluorene	15.31	166	177969	4.09 ng/ul	98
69) Phenanthrene	17.06	178	2628655	42.82 ng/ul#	83
71) Anthracene	17.14	178	604694	9.58 ng/ul	97
74) Carbazole	17.41	167	220326	4.19 ng/ul	98
76) Fluoranthene	19.09	202	3405809m	57.58 ng/ul	
79) Pyrene	19.45	202	3469235	45.73 ng/ul#	67
82) Benzo(a)anthracene	21.20	228	2060016	30.08 ng/ul#	84
84) Chrysene	21.25	228	2080227	32.07 ng/ul#	87
87) Benzo(b)fluoranthene	22.78	252	2708479	36.71 ng/ul#	89
88) Benzo(k)fluoranthene	22.81	252	876154m	12.60 ng/ul	
90) Benzo(a)pyrene	23.35	252	1919320	27.37 ng/ul	96
91) Indeno(1,2,3-cd)pyrene	25.71	276	1337871	17.48 ng/ul	96
92) Dibenzo(a,h)anthracene	25.71	278	323911m	5.01 ng/ul	
93) Benzo(g,h,i)perylene	26.39	276	624907	9.76 ng/ul	96

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Manual Integrations
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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

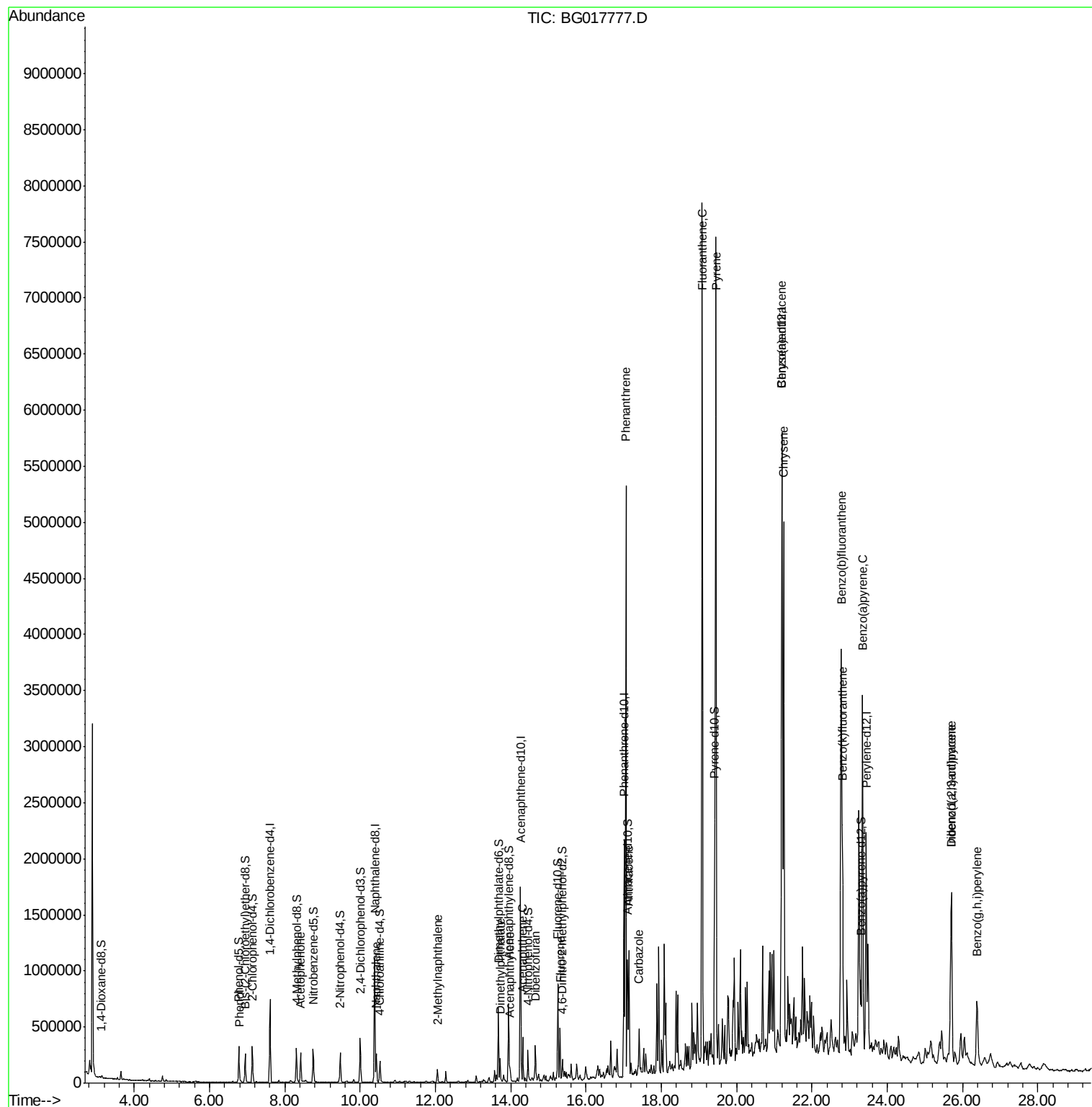
Data Path : Z:\HPCHEM1\BNA_G\DATA\BG070615\
Data File : BG017777.D
Acq On : 6 Jul 2015 20:08
Operator : TP/UM
Sample : G2860-04
Misc :
ALS Vial : 8 Sample Multiplier: 1

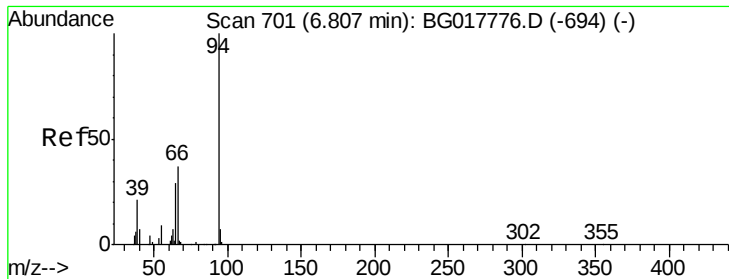
Instrument :
BNA_G
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G93H9

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#6

Phenol

Concen: 1.05 ng/ul

RT: 6.80 min Scan# 700

Delta R.T. -0.01 min

Lab File: BG017777.D

Acq: 6 Jul 2015 20:08

Instrument :

BNA_G

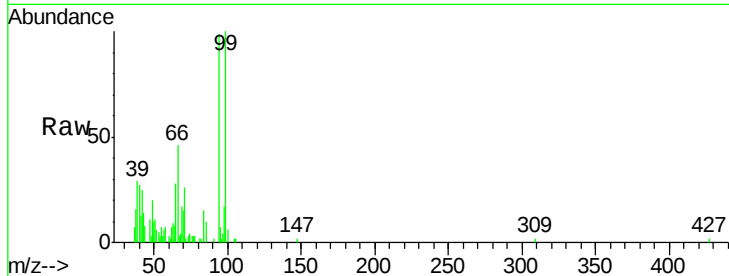
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G93H9

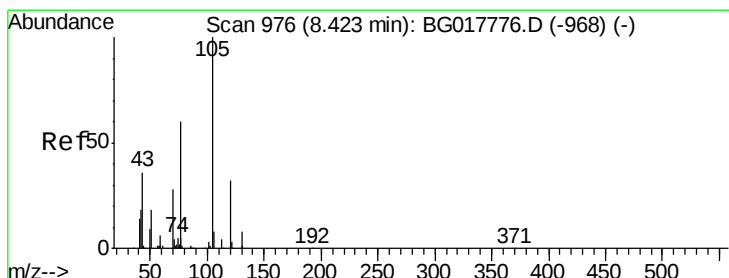
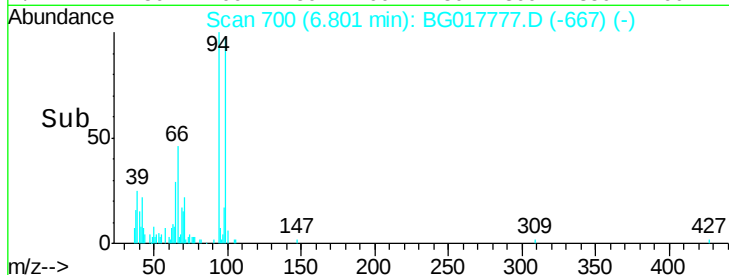
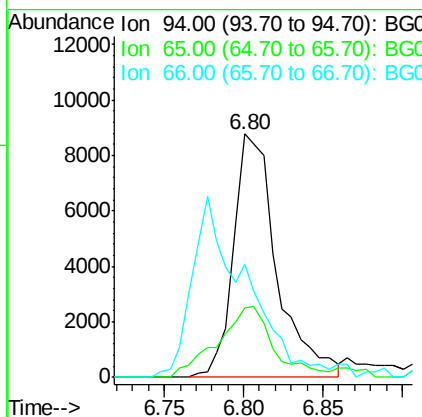
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Tgt Ion	Ratio	Lower	Upper
94	100		
65	28.5	24.2	36.4
66	46.4	33.4	50.2



#14

Acetophenone

Concen: 6.77 ng/ul

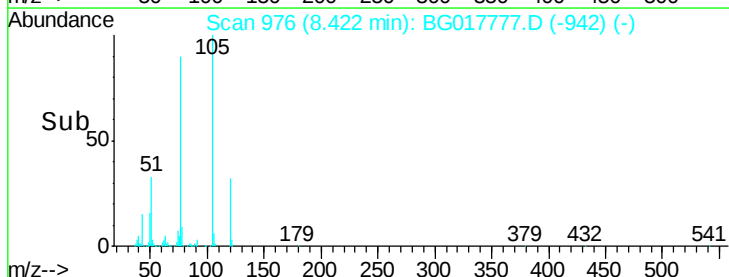
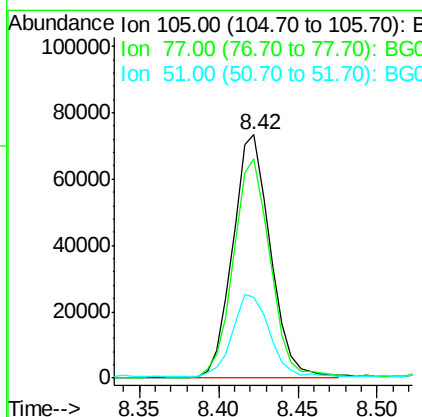
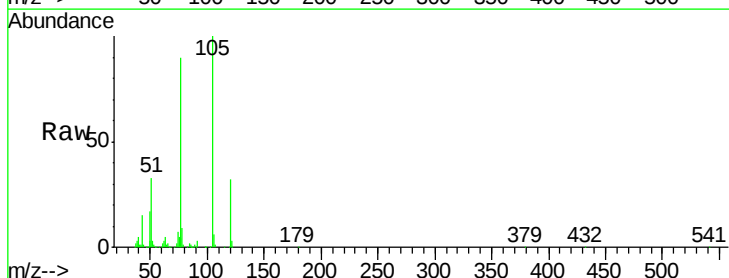
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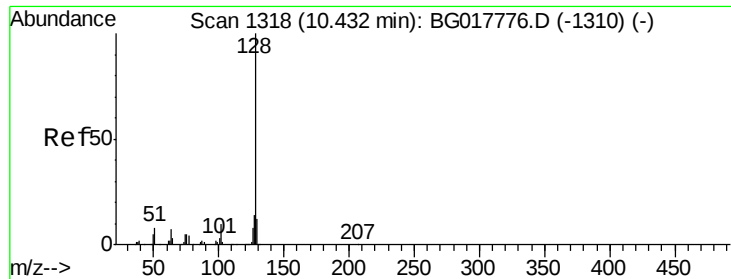
Delta R.T. -0.00 min

Lab File: BG017777.D

Acq: 6 Jul 2015 20:08

Tgt Ion	Ratio	Lower	Upper
105	100		
77	90.0	69.5	104.3
51	33.2	26.7	40.1





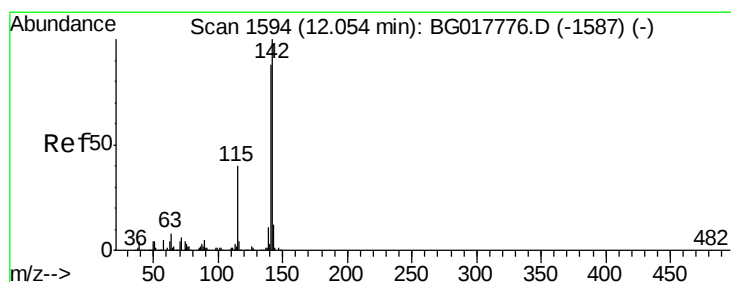
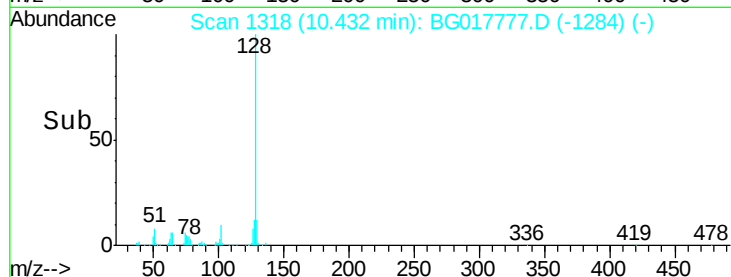
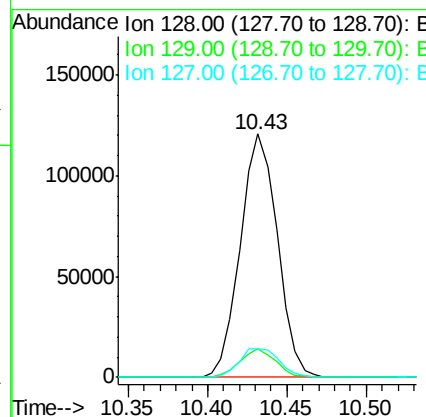
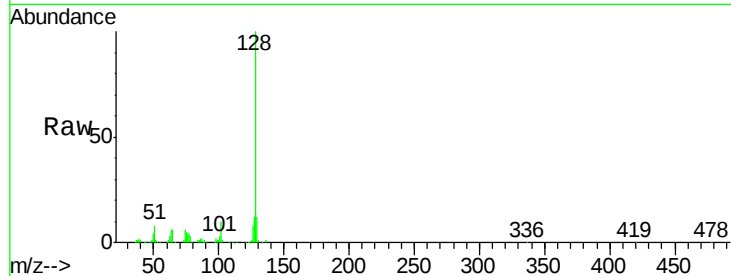
#28
Naphthalene
Concen: 4.41 ng/ul
RT: 10.43 min Scan# 1318
Delta R.T. -0.00 min
Lab File: BG017777.D
Acq: 6 Jul 2015 20:08

Instrument :
BNA_G
ClientSampleId :
G93H9

Tgt Ion	Ratio	Resp Lower	Resp Upper
128	100		
129	11.8	8.7	13.1
127	11.8	11.0	16.6

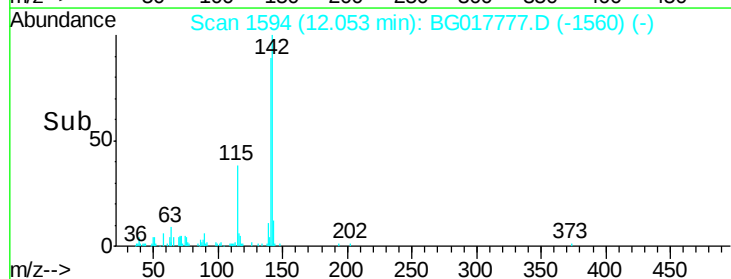
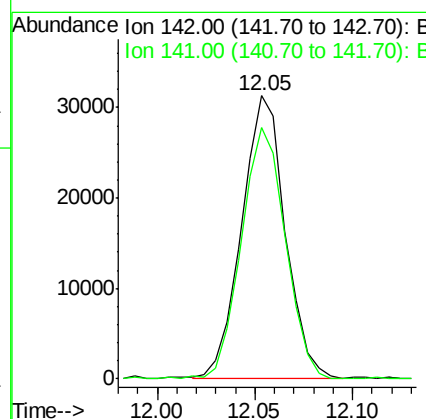
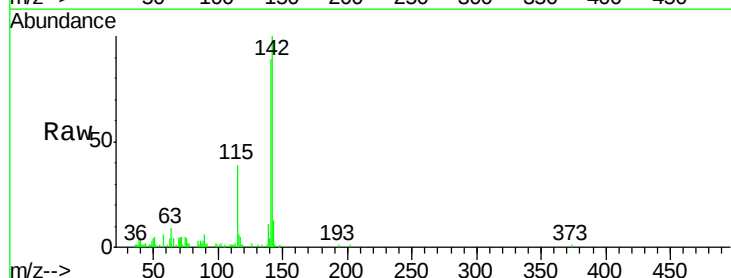
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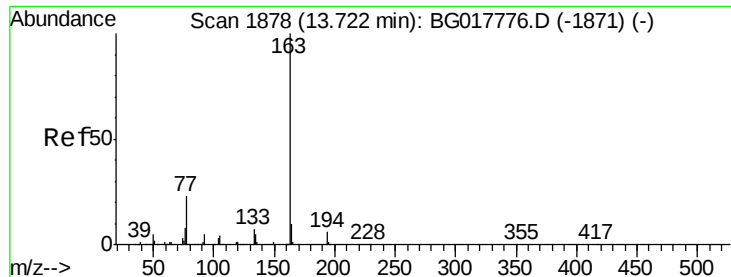
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#34
2-Methylnaphthalene
Concen: 1.53 ng/ul
RT: 12.05 min Scan# 1594
Delta R.T. -0.00 min
Lab File: BG017777.D
Acq: 6 Jul 2015 20:08

Tgt Ion	Ratio	Resp Lower	Resp Upper
142	100		
141	88.9	66.6	100.0





#44

Dimethylphthalate

Concen: 2.86 ng/ul

RT: 13.72 min Scan# 1878

Delta R.T. -0.00 min

Lab File: BG017777.D

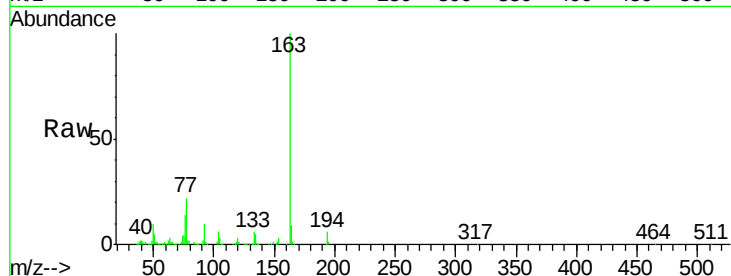
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Instrument :

BNA_G

ClientSampleId :

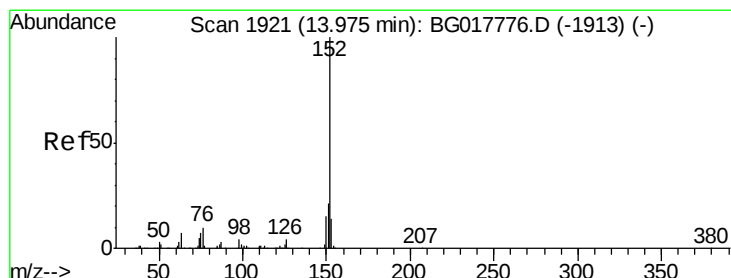
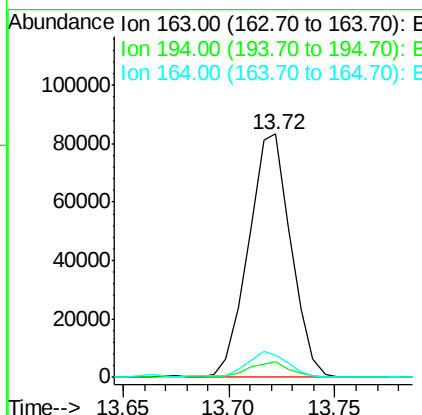
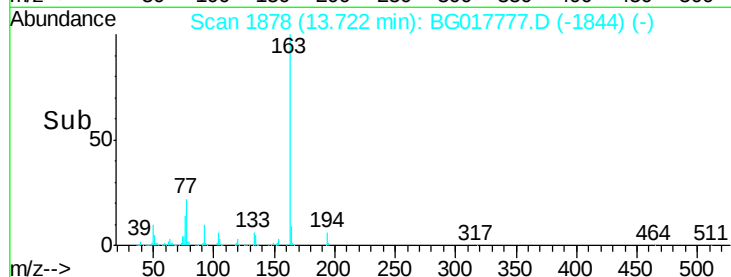
G93H9



Tgt Ion	Ratio	Resp	Lower	Upper
163	100	116170		
194	6.5	5.4	8.0	
164	9.2	7.7	11.5	

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#47

Acenaphthylene

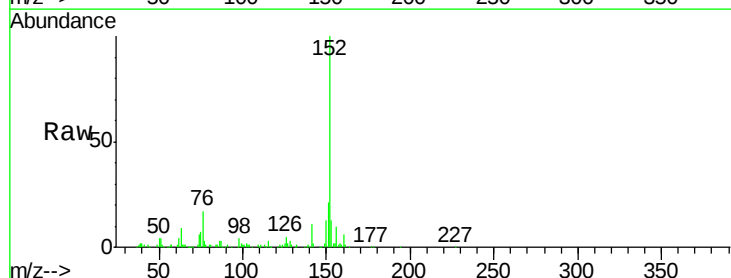
Concen: 2.19 ng/ul

RT: 13.97 min Scan# 1921

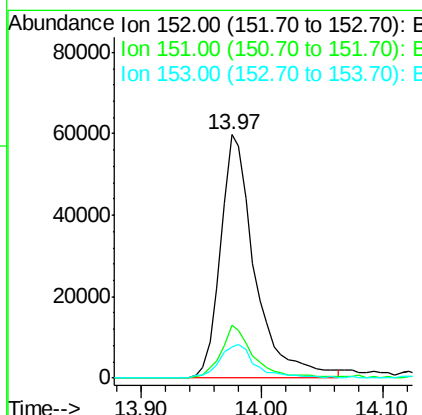
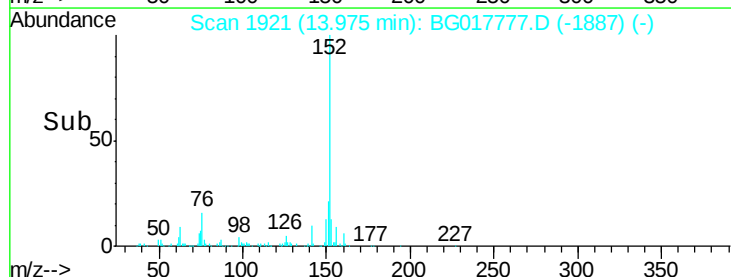
Delta R.T. -0.00 min

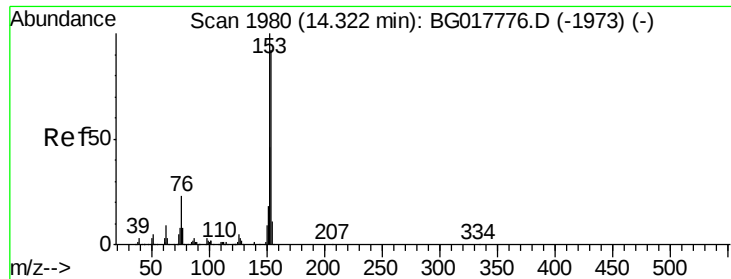
Lab File: BG017777.D

Acq: 6 Jul 2015 20:08



Tgt Ion	Ratio	Resp	Lower	Upper
152	100	118259		
151	21.5	17.0	25.6	
153	12.7	11.2	16.8	





#49

Acenaphthene

Concen: 3.98 ng/ul

RT: 14.32 min Scan# 1980

Delta R.T. -0.00 min

Lab File: BG017777.D

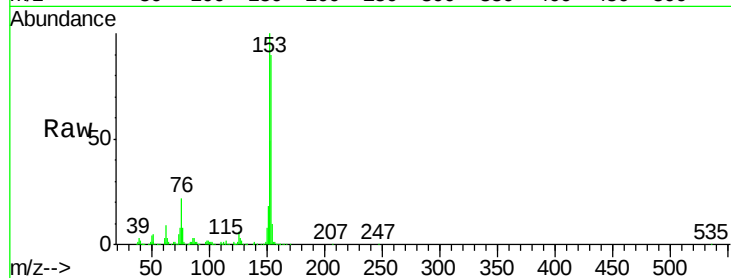
Acq: 6 Jul 2015 20:08

Instrument :

BNA_G

ClientSampleId :

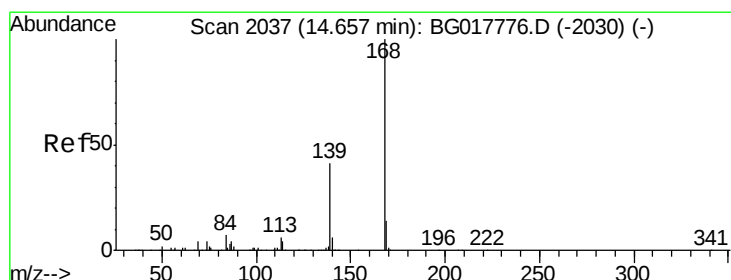
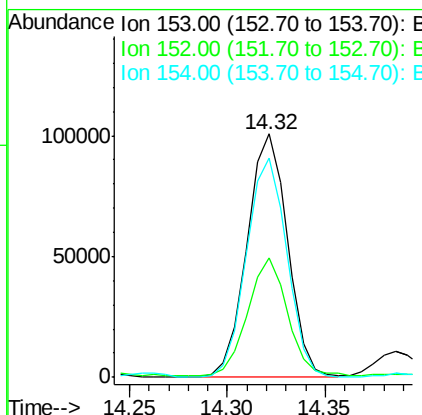
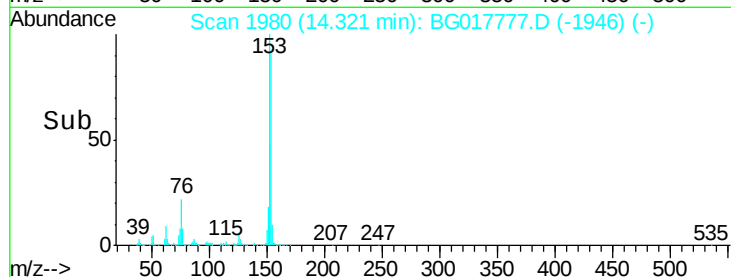
G93H9



Tgt Ion:	153	Resp:	144519
Ion Ratio	Lower	Upper	
153	100		
152	49.0	37.8	56.6
154	90.2	71.2	106.8

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#53

Dibenzofuran

Concen: 2.94 ng/ul

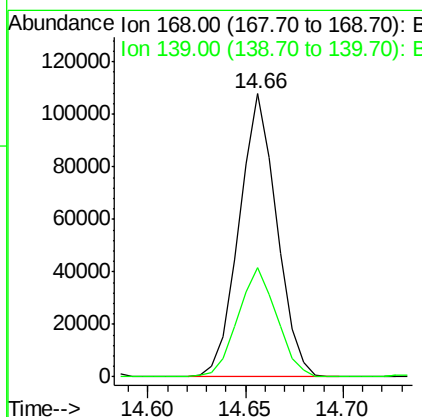
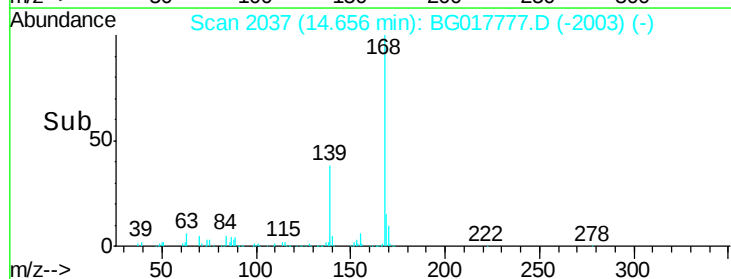
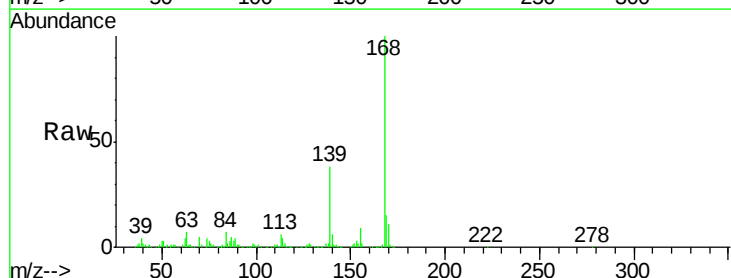
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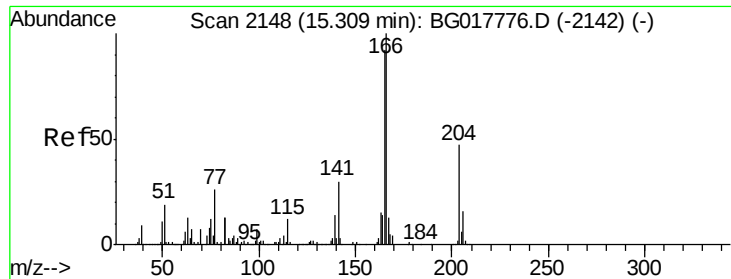
Delta R.T. -0.00 min

Lab File: BG017777.D

Acq: 6 Jul 2015 20:08

Tgt Ion:	168	Resp:	144233
Ion Ratio	Lower	Upper	
168	100		
139	38.5	32.7	49.1





#58

Fluorene

Concen: 4.09 ng/ul

RT: 15.31 min Scan# 2148

Delta R.T. -0.00 min

Lab File: BG017777.D

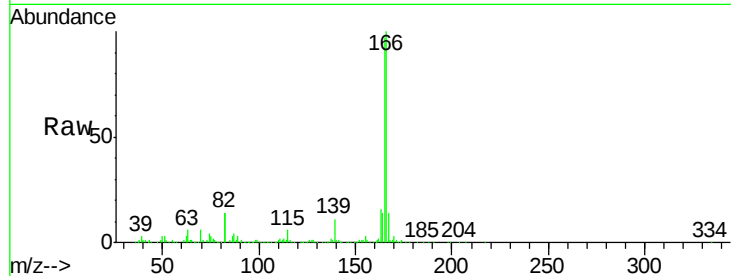
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Instrument :

BNA_G

ClientSampleId :

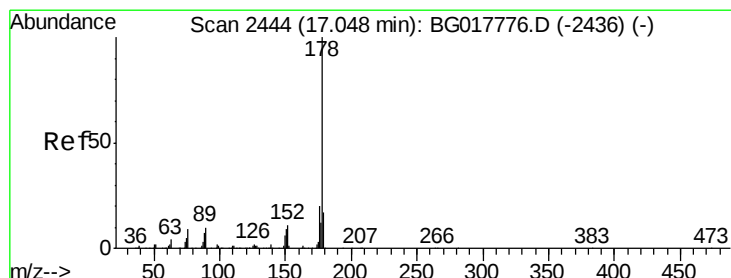
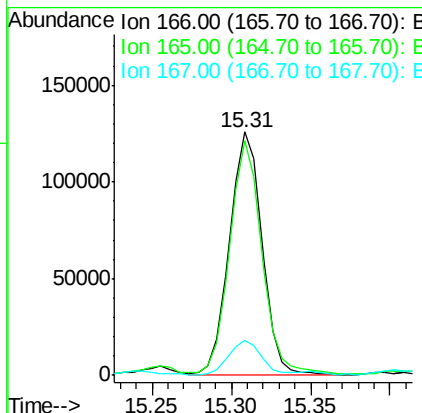
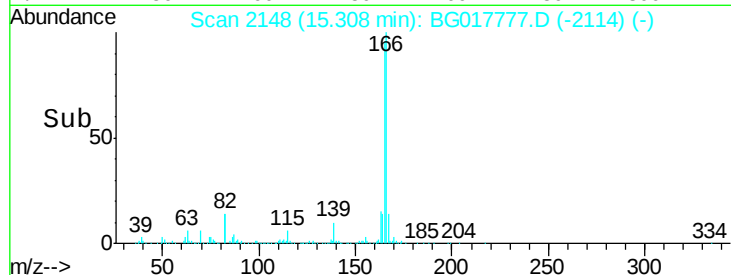
G93H9



Tgt Ion	Ratio	Lower	Upper
166	100		
165	96.6	75.7	113.5
167	14.3	10.1	15.1

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#69

Phenanthrene

Concen: 42.82 ng/ul

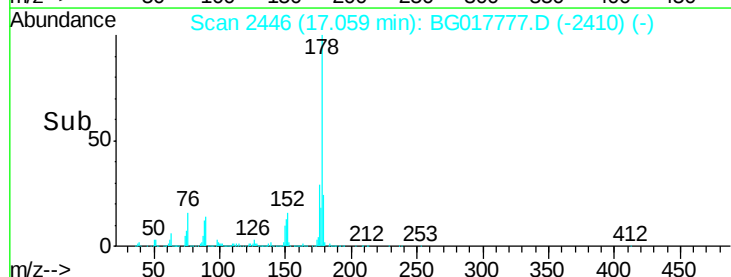
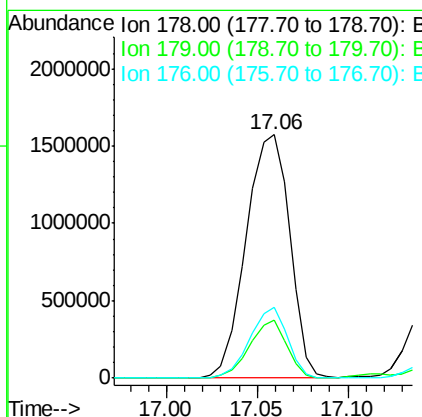
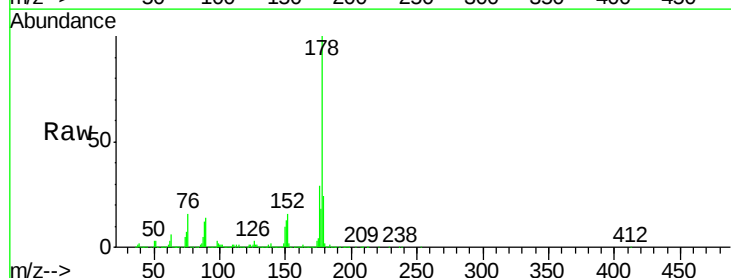
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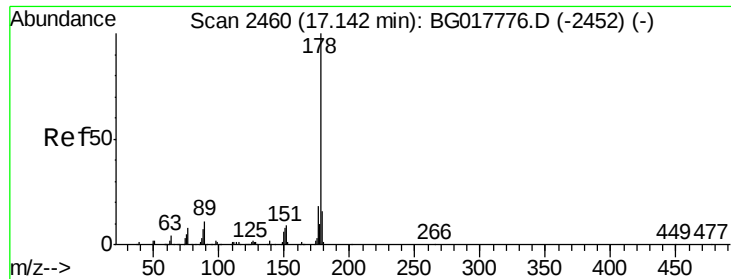
Delta R.T. 0.01 min

Lab File: BG017777.D

Acq: 6 Jul 2015 20:08

Tgt Ion	Ratio	Lower	Upper
178	100		
179	23.6	13.0	19.4#
176	28.9	17.0	25.4#





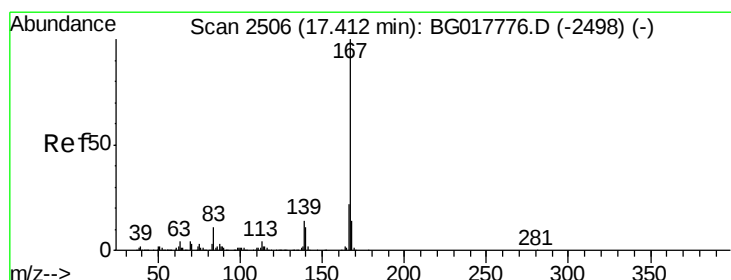
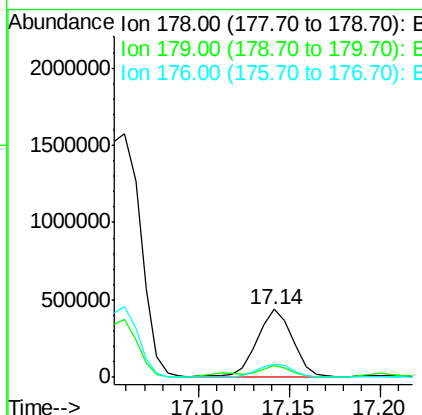
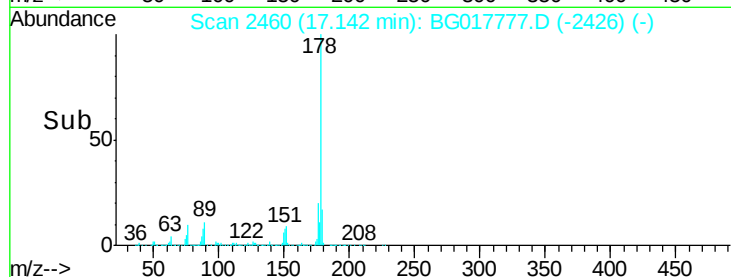
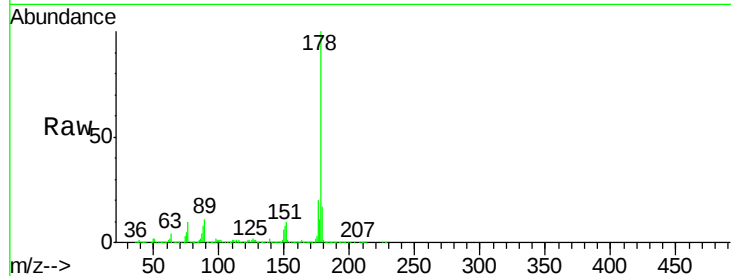
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 Anthracene
 Concen: 9.58 ng/ul
 RT: 17.14 min Scan# 2460
 Delta R.T. -0.00 min
 Lab File: BG017777.D
 Acq: 6 Jul 2015 20:08

Instrument :
 BNA_G
 ClientSampleId :
 G93H9

Tgt Ion	Ratio	Lower	Upper
178	100		
179	16.7	12.4	18.6
176	20.3	15.3	22.9

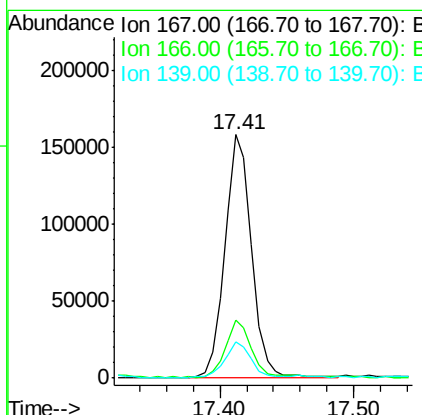
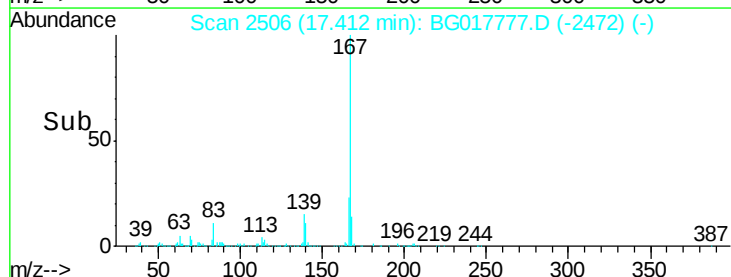
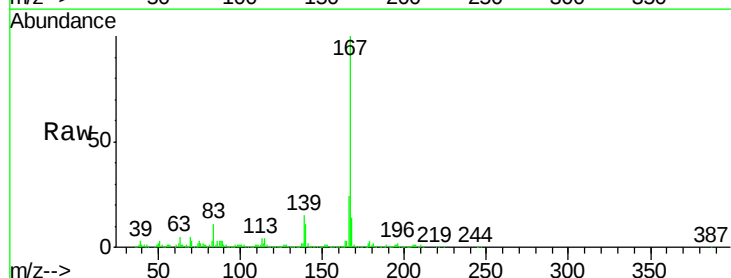
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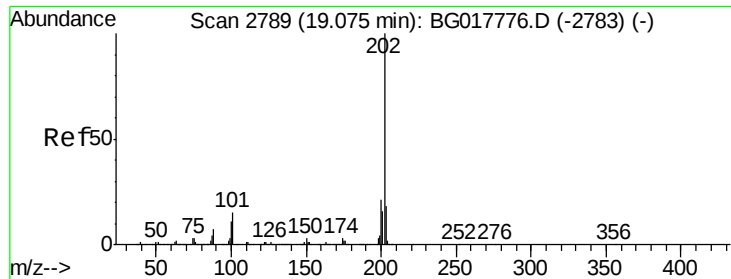
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#74
 Carbazole
 Concen: 4.19 ng/ul
 RT: 17.41 min Scan# 2506
 Delta R.T. -0.00 min
 Lab File: BG017777.D
 Acq: 6 Jul 2015 20:08

Tgt Ion	Ratio	Lower	Upper
167	100		
166	23.7	18.0	27.0
139	15.1	11.4	17.0





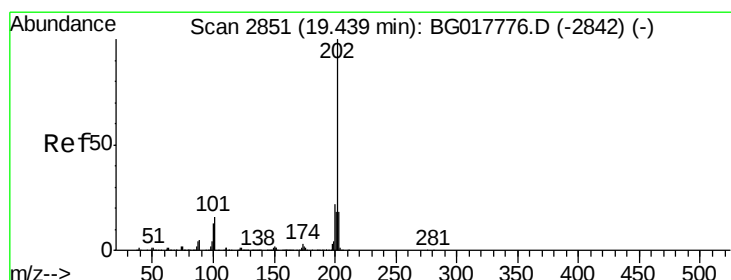
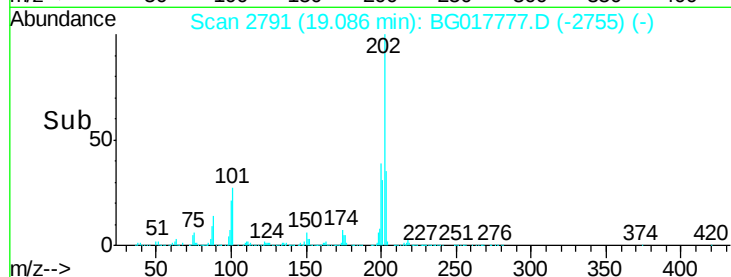
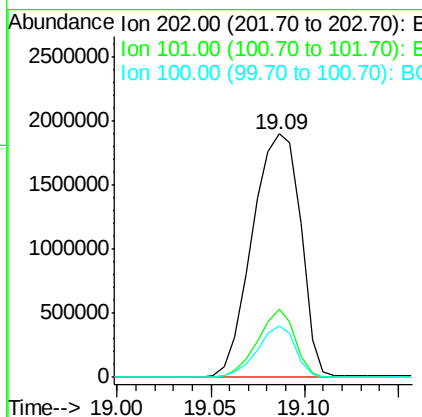
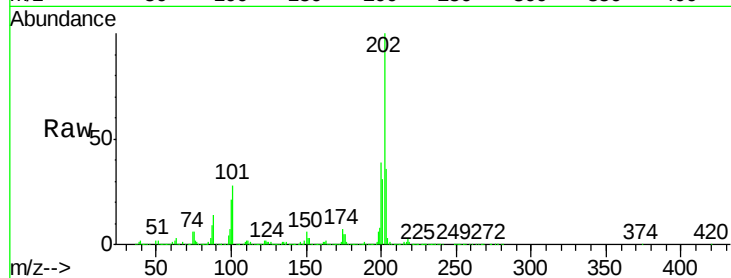
#76
Fluoranthene
Concen: 57.58 ng/ul m
RT: 19.09 min Scan# 2791
Delta R.T. 0.01 min
Lab File: BG017777.D
Acq: 6 Jul 2015 20:08

Instrument :
BNA_G
ClientSampleId :
G93H9

Tgt Ion	Ratio	Lower	Upper
202	100		
101	27.8	12.6	18.8#
100	21.3	9.1	13.7#

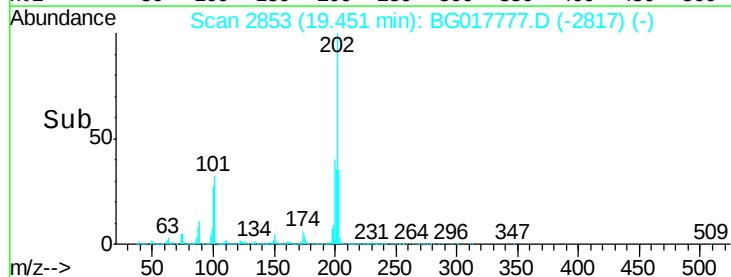
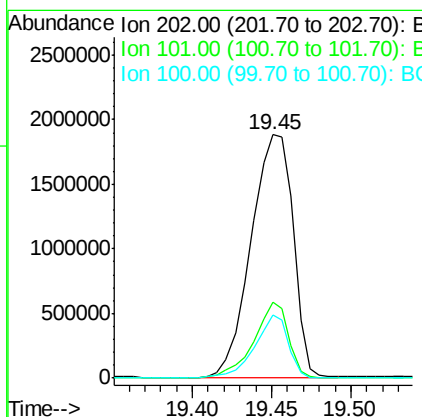
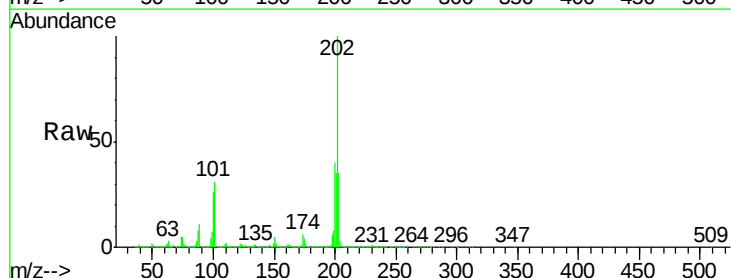
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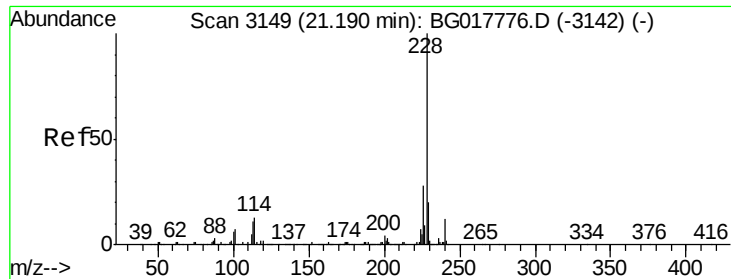
apatel
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#79
Pyrene
Concen: 45.73 ng/ul
RT: 19.45 min Scan# 2853
Delta R.T. 0.01 min
Lab File: BG017777.D
Acq: 6 Jul 2015 20:08

Tgt Ion	Ratio	Lower	Upper
202	100		
101	31.4	13.1	19.7#
100	26.2	11.3	16.9#





#82

Benzo(a)anthracene

Concen: 30.08 ng/ul

RT: 21.20 min Scan# 3151

Delta R.T. 0.01 min

Lab File: BG017777.D

Acq: 6 Jul 2015 20:08

Instrument :

BNA_G

ClientSampleId :

G93H9

Tgt Ion:228 Resp: 2060016

Ion Ratio Lower Upper

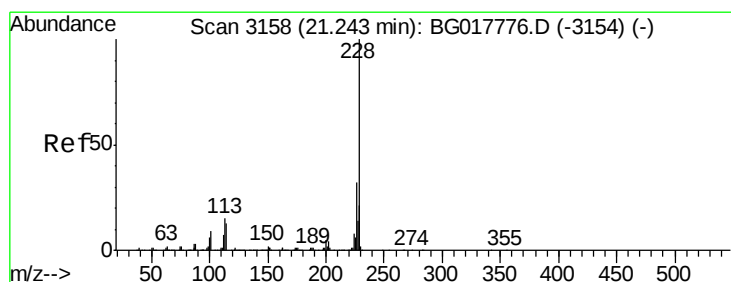
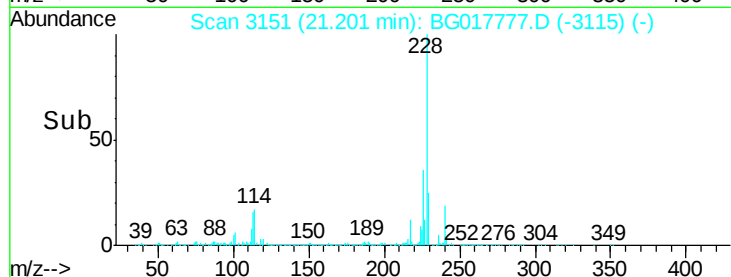
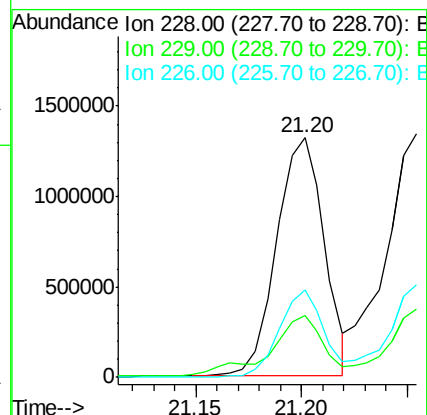
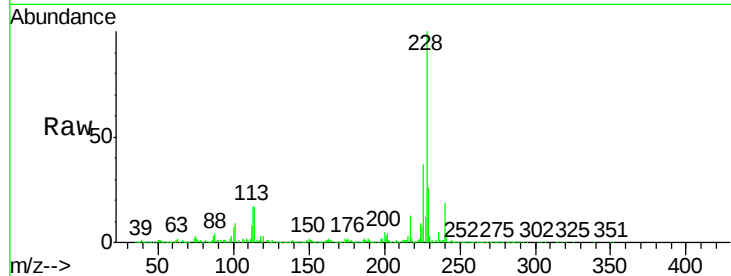
228 100

229 26.0 15.8 23.8#

226 36.6 22.2 33.2#

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#84

Chrysene

Concen: 32.07 ng/ul

RT: 21.25 min Scan# 3160

Delta R.T. 0.01 min

Lab File: BG017777.D

Acq: 6 Jul 2015 20:08

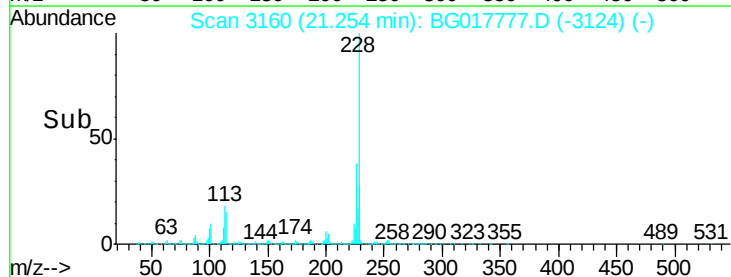
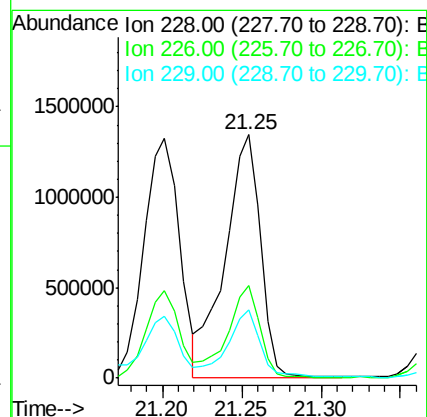
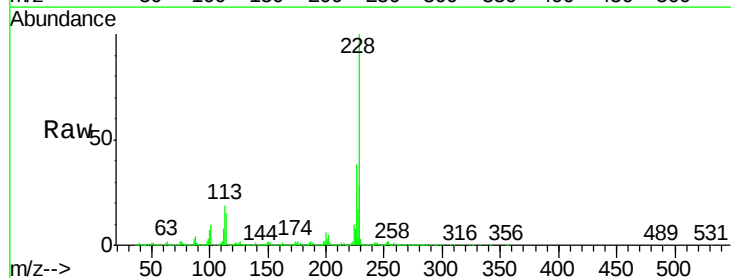
Tgt Ion:228 Resp: 2080227

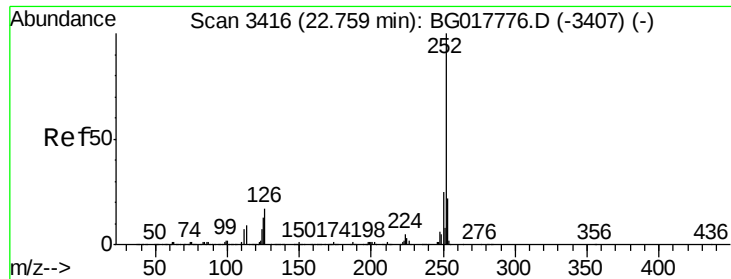
Ion Ratio Lower Upper

228 100

226 38.1 25.6 38.4

229 28.1 16.4 24.6#





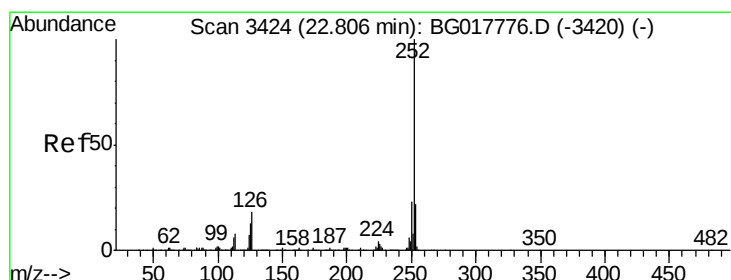
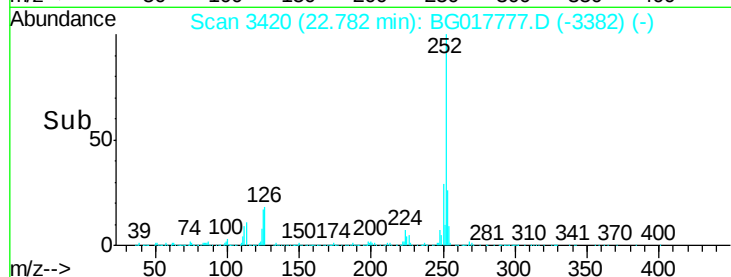
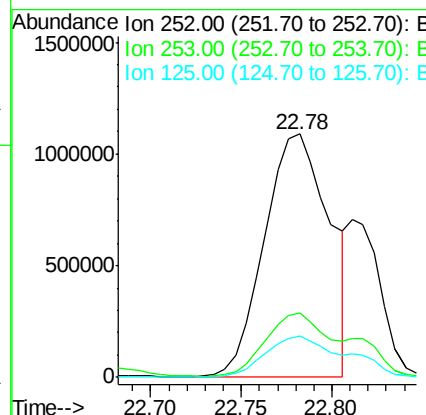
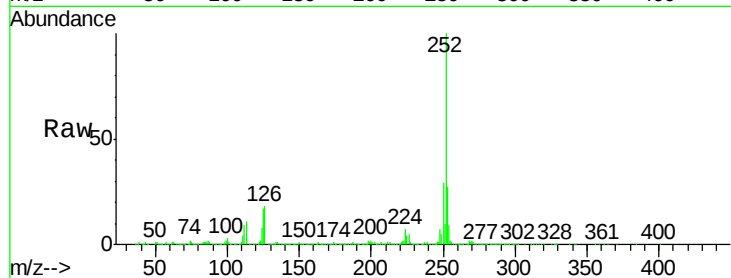
#87
Benzo(b)fluoranthene
Concen: 36.71 ng/ul
RT: 22.78 min Scan# 3420
Delta R.T. 0.02 min
Lab File: BG017777.D
Acq: 6 Jul 2015 20:08

Instrument :
BNA_G
ClientSampleId :
G93H9

Tgt Ion	Ratio	Lower	Upper
252	100		
253	26.7	16.8	25.2#
125	16.9	10.4	15.6#

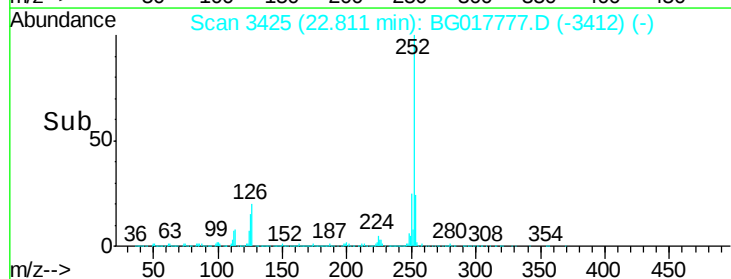
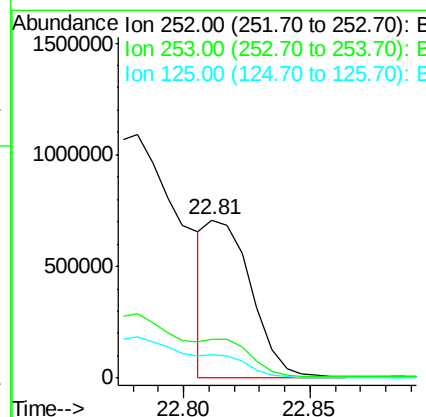
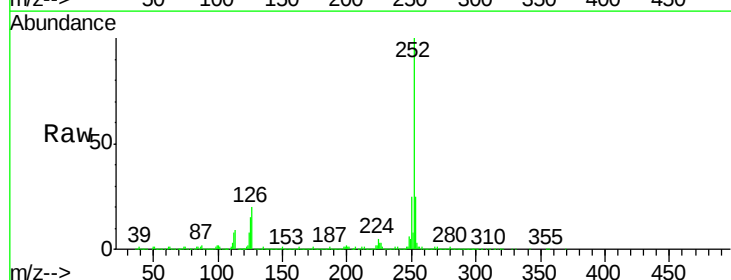
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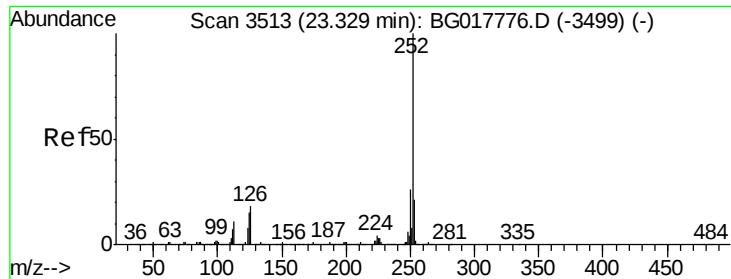
apatel
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#88
Benzo(k)fluoranthene
Concen: 12.60 ng/ul m
RT: 22.81 min Scan# 3425
Delta R.T. 0.01 min
Lab File: BG017777.D
Acq: 6 Jul 2015 20:08

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.8	17.6	26.4
125	15.2	11.6	17.4





#90

Benzo(a)pyrene

Concen: 27.37 ng/ul

RT: 23.35 min Scan# 3517

Delta R.T. 0.02 min

Lab File: BG017777.D

Acq: 6 Jul 2015 20:08

Instrument :

BNA_G

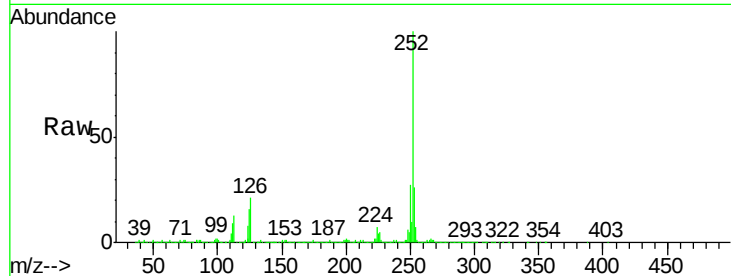
ClientSampleId :

G93H9

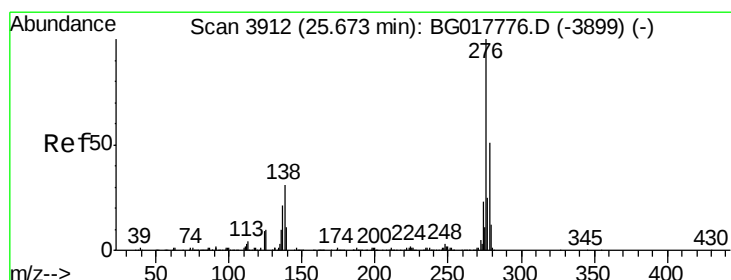
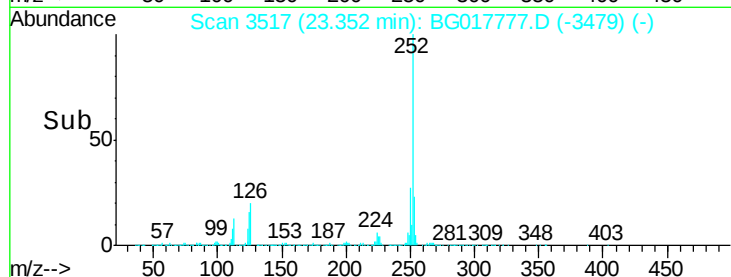
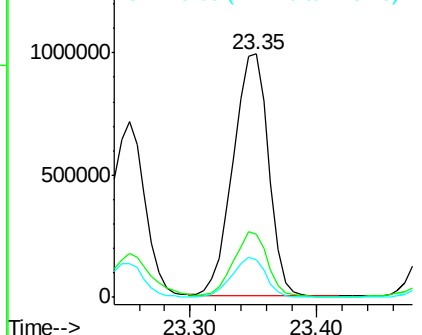
Tgt Ion:	252	Resp:	1919320
Ion Ratio	Lower	Upper	
252	100		
253	25.7	18.3	27.5
125	15.7	12.1	18.1

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Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E



#91

Indeno(1,2,3-cd)pyrene

Concen: 17.48 ng/ul

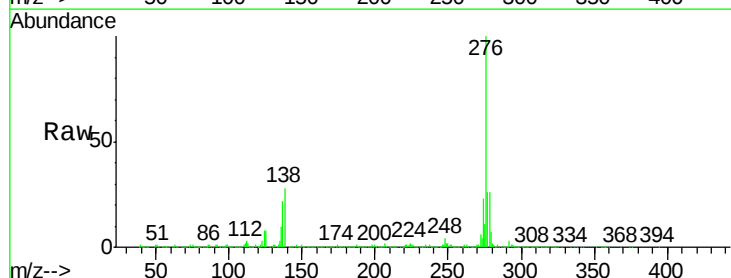
RT: 25.71 min Scan# 3918

Delta R.T. 0.03 min

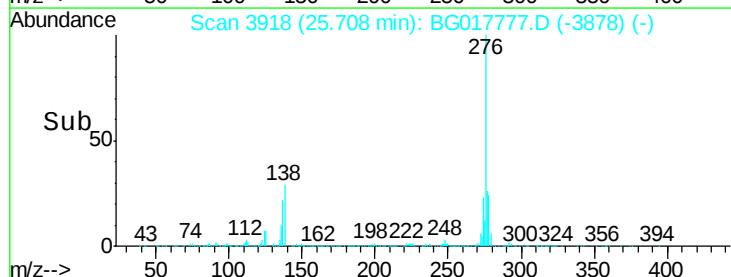
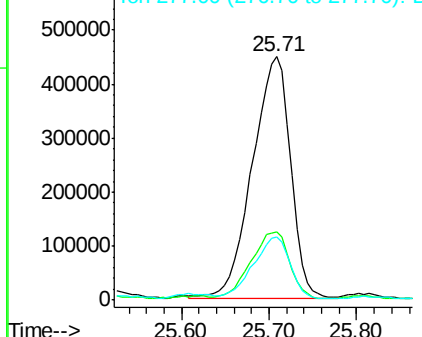
Lab File: BG017777.D

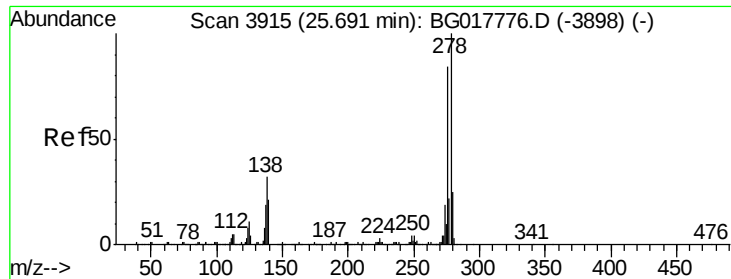
Acq: 6 Jul 2015 20:08

Tgt Ion:	276	Resp:	1337871
Ion Ratio	Lower	Upper	
276	100		
138	28.2	26.1	39.1
277	26.0	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: 5.01 ng/ul m

RT: 25.71 min Scan# 3918

Delta R.T. 0.02 min

Lab File: BG017777.D

Acq: 6 Jul 2015 20:08

Instrument :

BNA_G

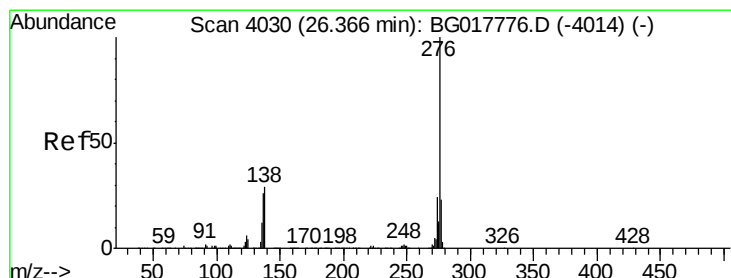
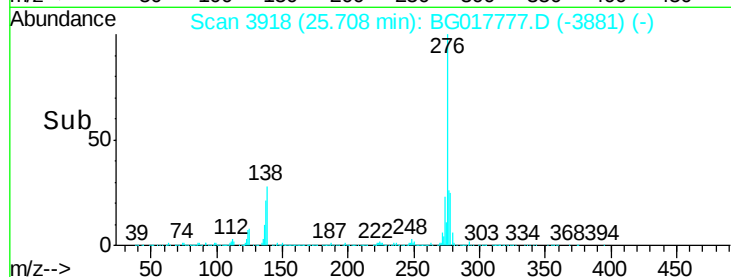
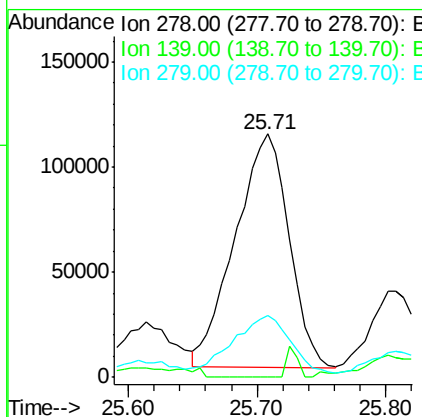
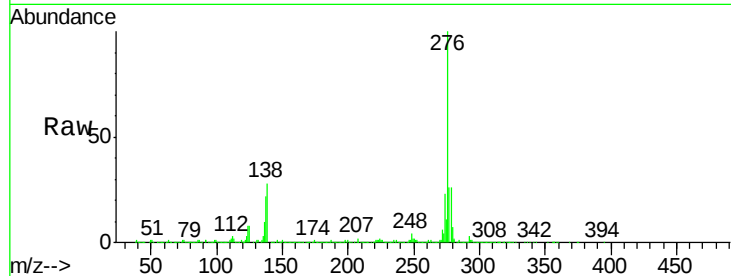
ClientSampleId :

G93H9

Tgt Ion:	278	Resp:	323911
Ion Ratio	Lower	Upper	
278	100		
139	0.0	16.3	24.5#
279	25.4	18.7	28.1

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#93

Benzo(g,h,i)perylene

Concen: 9.76 ng/ul

RT: 26.39 min Scan# 4034

Delta R.T. 0.02 min

Lab File: BG017777.D

Acq: 6 Jul 2015 20:08

Tgt Ion:	276	Resp:	624907
Ion Ratio	Lower	Upper	
276	100		
138	29.1	25.1	37.7
277	24.8	18.7	28.1

