

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG072315\
 Data File : BG018080.D
 Acq On : 24 Jul 2015 00:23
 Operator : TP/UM
 Sample : G3035-13
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 C02J6

Manual Integrations
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Quant Time: Aug 06 17:16:57 2015
 Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG072315.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Fri Jul 24 01:33:04 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.51	152	56303	20.00	ng/ul	0.00
18) Naphthalene-d8	10.30	136	278510	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.18	164	181483	20.00	ng/ul	0.00
62) Phenanthrene-d10	16.94	188	372080	20.00	ng/ul	0.00
78) Chrysene-d12	21.14	240	382074	20.00	ng/ul	0.00
86) Perylene-d12	23.33	264	386886	20.00	ng/ul	0.01

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.02	96	2269	2.52	ng/uL	0.00
5) Phenol-d5	6.69	99	65004	14.97	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	6.86	67	33008	15.39	ng/ul	0.00
9) 2-Chlorophenol-d4	7.05	132	60173	15.62	ng/ul	0.00
13) 4-Methylphenol-d8	8.23	113	57395	14.90	ng/ul	0.00
19) Nitrobenzene-d5	8.66	128	33949	15.42	ng/ul	0.00
22) 2-Nitrophenol-d4	9.39	143	36520	15.71	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	9.92	165	63350	15.66	ng/ul	0.00
29) 4-Chloroaniline-d4	10.44	131	62622	13.30	ng/ul	0.00
44) Dimethylphthalate-d6	13.60	166	196079	15.39	ng/ul	0.00
47) Acenaphthylene-d8	13.87	160	251177	16.04	ng/ul	0.00
52) 4-Nitrophenol-d4	14.40	143	34192	12.76	ng/ul	0.00
58) Fluorene-d10	15.18	176	181832	15.44	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.31	200	23663	9.95	ng/ul	0.00
71) Anthracene-d10	17.03	188	261095	16.20	ng/ul	0.00
79) Pyrene-d10	19.34	212	260052	14.86	ng/ul	0.00
90) Benzo(a)pyrene-d12	23.19	264	245802	13.31	ng/ul	0.00

Target Compounds

						Qvalue
14) Acetophenone	8.33	105	23684	4.36	ng/ul	88
28) Naphthalene	10.34	128	58790	4.51	ng/ul	99
34) 2-Methylnaphthalene	11.97	142	48929	4.97	ng/ul	97
41) 1,1'-Biphenyl	13.00	154	19150	1.54	ng/ul	94
45) Dimethylphthalate	13.64	163	57317	4.47	ng/ul	98
50) Acenaphthene	14.24	153	169180	15.72	ng/ul	98
54) Dibenzofuran	14.58	168	159841	10.45	ng/ul	98
59) Fluorene	15.24	166	189335	14.38	ng/ul	98
70) Phenanthrene	16.98	178	2020177m	108.06	ng/ul	
72) Anthracene	17.07	178	585453	30.84	ng/ul	100
75) Carbazole	17.34	167	218368	13.28	ng/ul	99
77) Fluoranthene	19.01	202	2096286	105.26	ng/ul#	94
80) Pyrene	19.38	202	2289310	104.63	ng/ul#	91
83) Benzo(a)anthracene	21.13	228	1273289	63.01	ng/ul	91
85) Chrysene	21.18	228	1261922	66.32	ng/ul#	89
88) Benzo(b)fluoranthene	22.68	252	1435166	67.71	ng/ul	98
89) Benzo(k)fluoranthene	22.72	252	432760m	21.10	ng/ul	
91) Benzo(a)pyrene	23.25	252	1078358	52.53	ng/ul	97
92) Indeno(1,2,3-cd)pyrene	25.54	276	619972	26.18	ng/ul	95
93) Dibenzo(a,h)anthracene	25.55	278	189323	9.36	ng/ul#	78
94) Benzo(g,h,i)perylene	26.22	276	581411	29.71	ng/ul	99

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

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

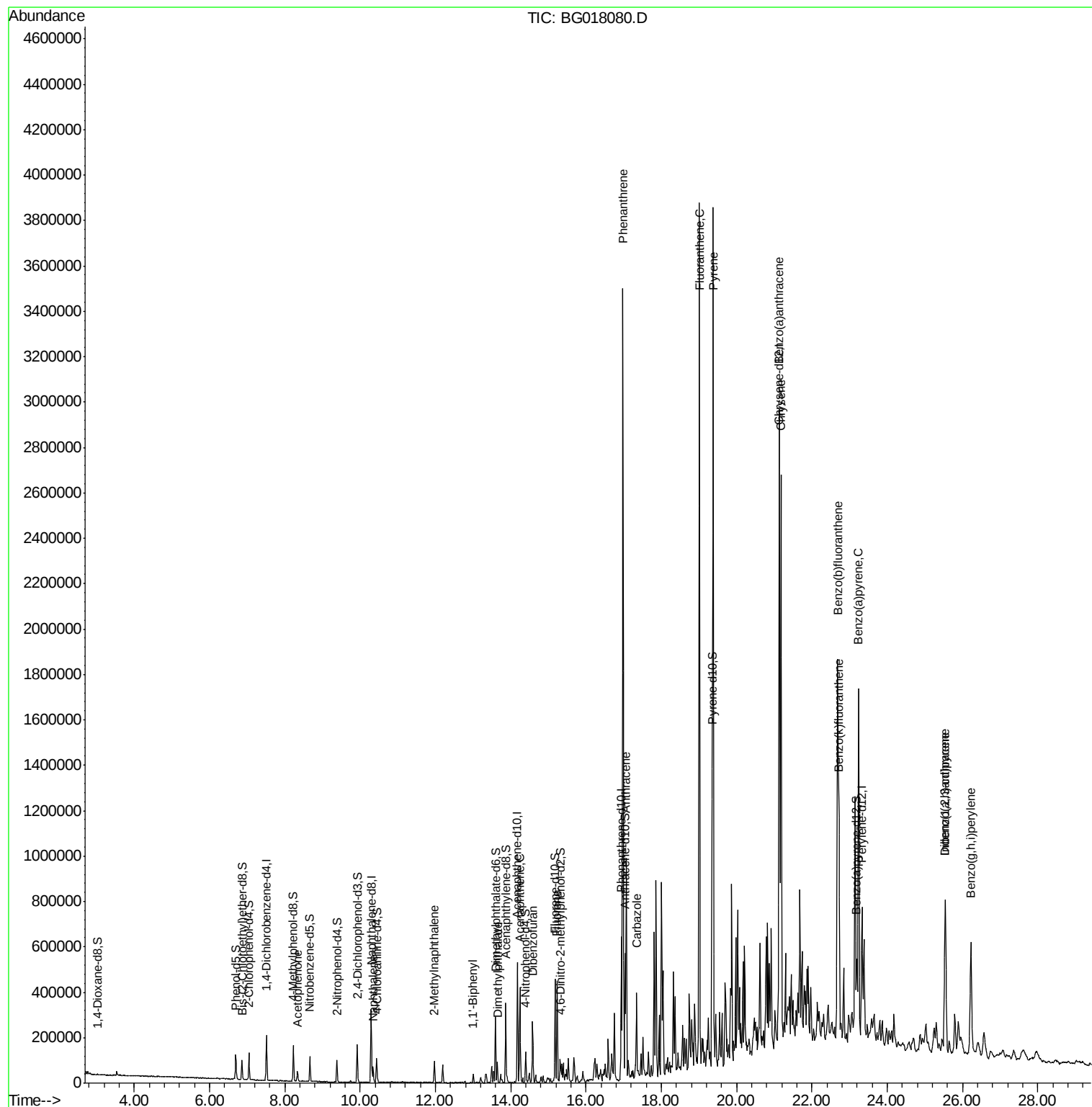
Data Path : Z:\HPCHEM1\BNA_G\DATA\BG072315\
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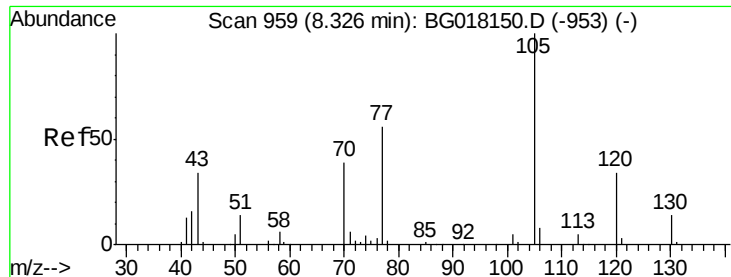
Instrument :
BNA_G
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#14

Acetophenone

Concen: 4.36 ng/ul

RT: 8.33 min Scan# 961

Delta R.T. -0.00 min

Lab File: BG018080.D

Acq: 24 Jul 2015 00:23

Instrument :

BNA_G

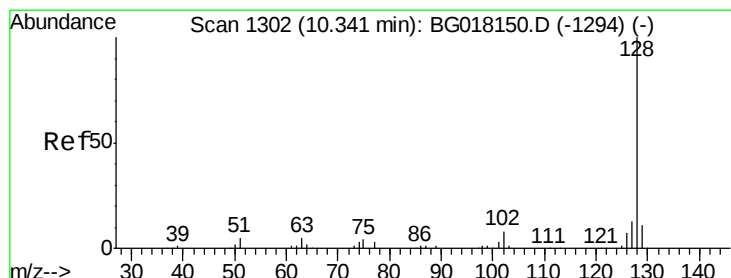
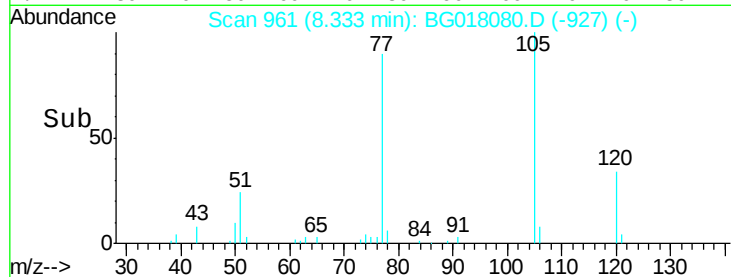
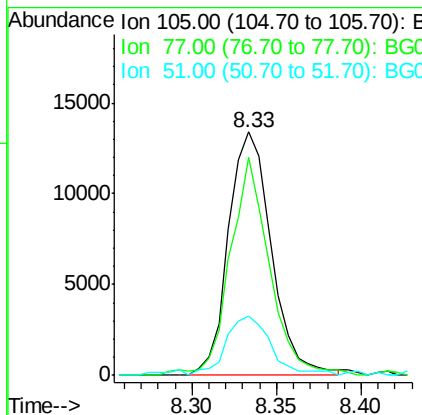
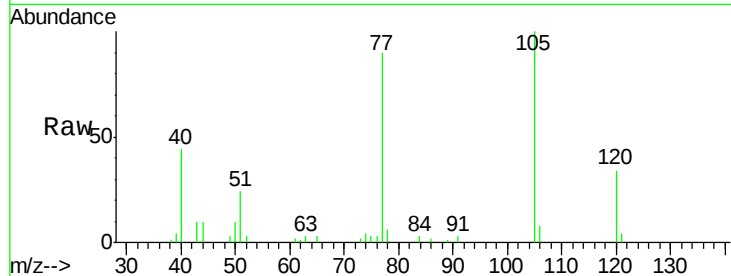
ClientSampleId :

C02J6

Tgt Ion:	105	Resp:	23684
Ion Ratio	Lower	Upper	
105	100		
77	89.6	61.7	92.5
51	24.4	18.1	27.1

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#28

Naphthalene

Concen: 4.51 ng/ul

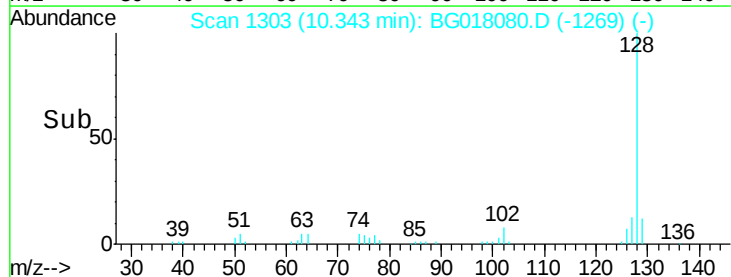
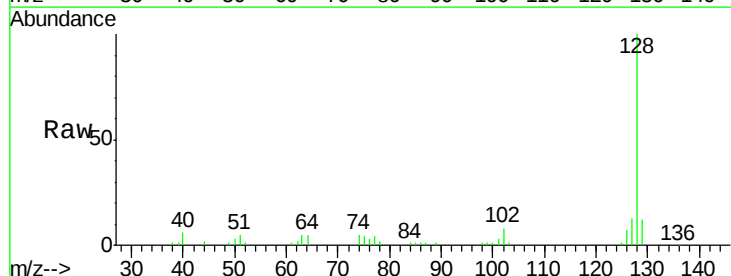
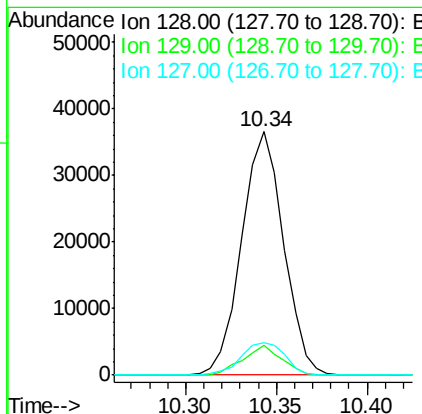
RT: 10.34 min Scan# 1303

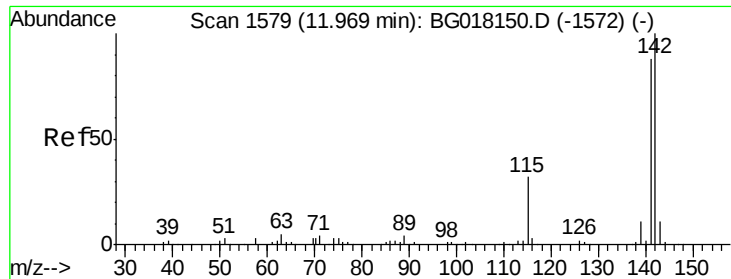
Delta R.T. -0.00 min

Lab File: BG018080.D

Acq: 24 Jul 2015 00:23

Tgt Ion:	128	Resp:	58790
Ion Ratio	Lower	Upper	
128	100		
129	12.1	9.5	14.3
127	13.4	10.1	15.1





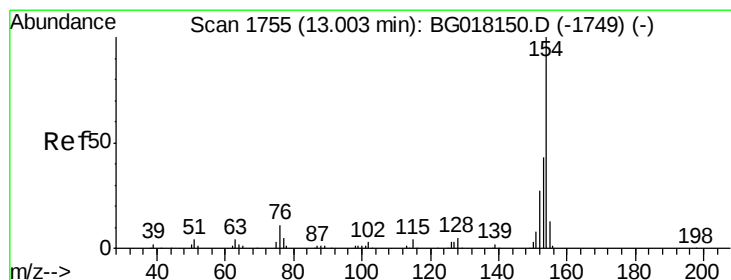
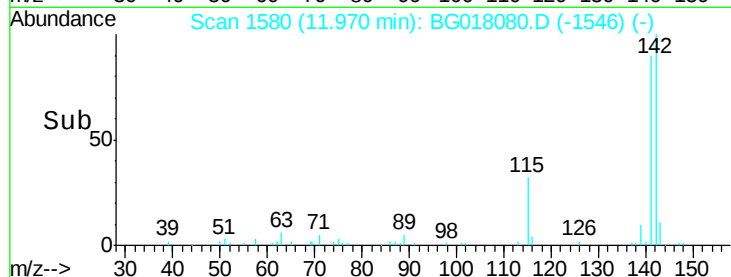
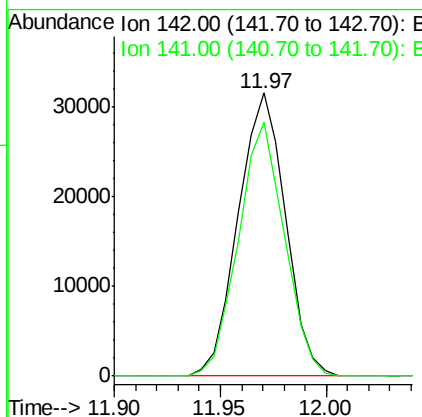
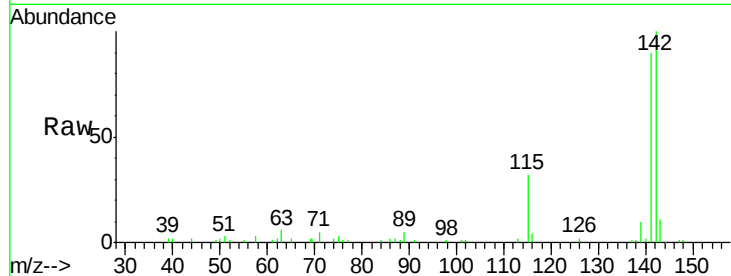
#34
 2-Methylnaphthalene
 Concen: 4.97 ng/ul
 RT: 11.97 min Scan# 1580
 Delta R.T. -0.00 min
 Lab File: BG018080.D
 Acq: 24 Jul 2015 00:23

Instrument :
 BNA_G
 ClientSampleId :
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Tgt Ion:142 Resp: 48929
 Ion Ratio Lower Upper
 142 100
 141 89.7 69.4 104.0

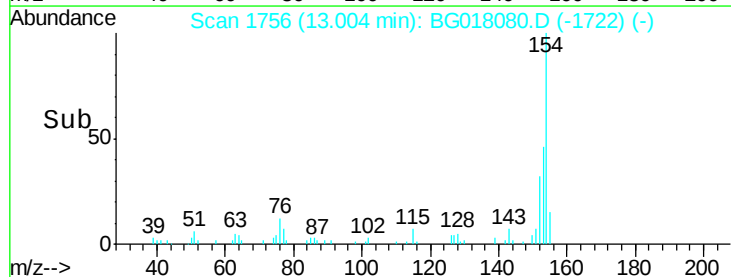
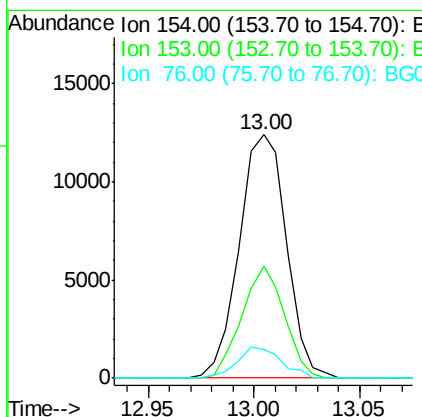
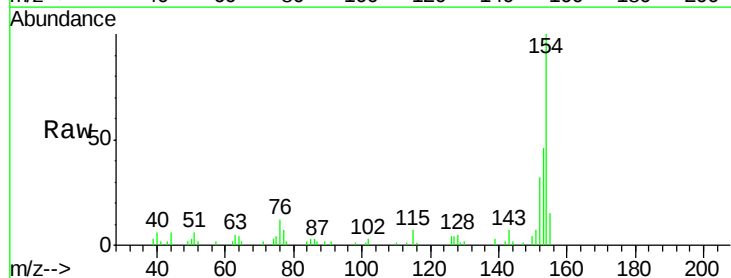
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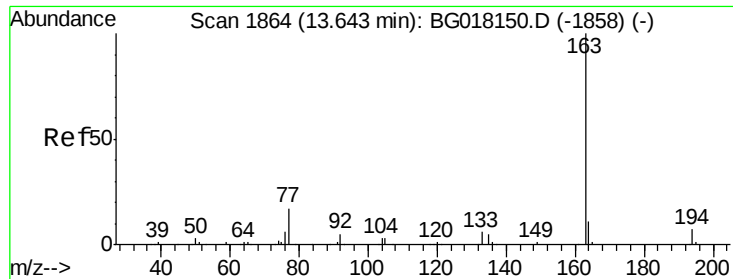
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#41
 1,1'-Biphenyl
 Concen: 1.54 ng/ul
 RT: 13.00 min Scan# 1756
 Delta R.T. -0.00 min
 Lab File: BG018080.D
 Acq: 24 Jul 2015 00:23

Tgt Ion:154 Resp: 19150
 Ion Ratio Lower Upper
 154 100
 153 45.8 33.1 49.7
 76 11.7 9.7 14.5





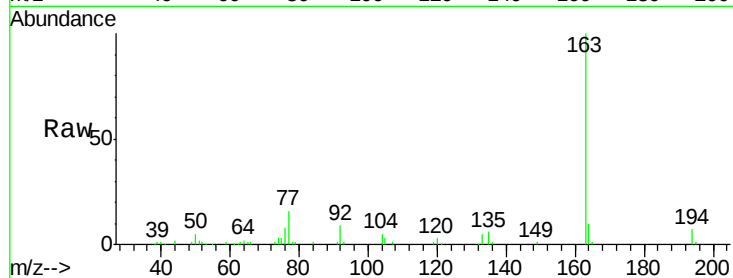
#45
Dimethylphthalate
Concen: 4.47 ng/ul
RT: 13.64 min Scan# 1865
Delta R.T. -0.00 min
Lab File: BG018080.D
Acq: 24 Jul 2015 00:23

Instrument :
BNA_G
ClientSampleId :
C02J6

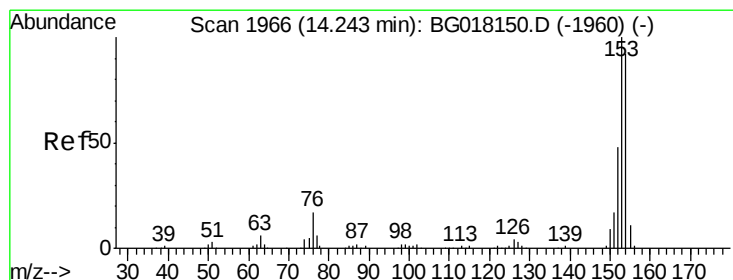
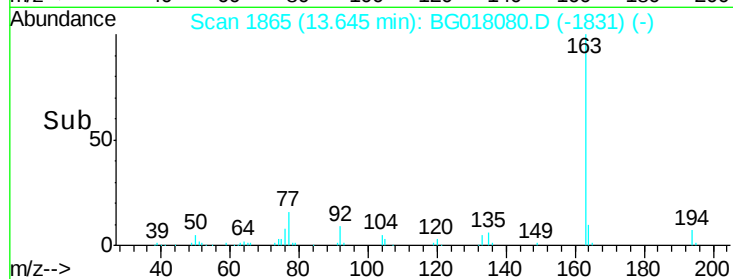
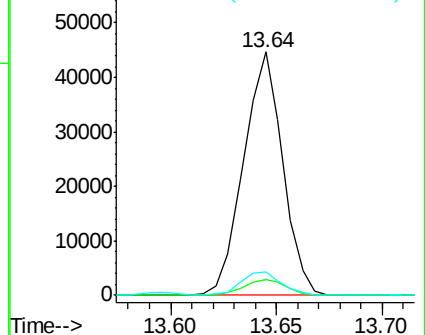
Tgt Ion	Ratio	Lower	Upper
163	100		
194	6.7	5.4	8.2
164	9.7	8.7	13.1

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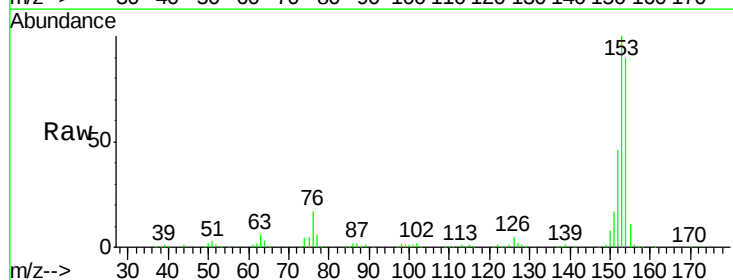


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

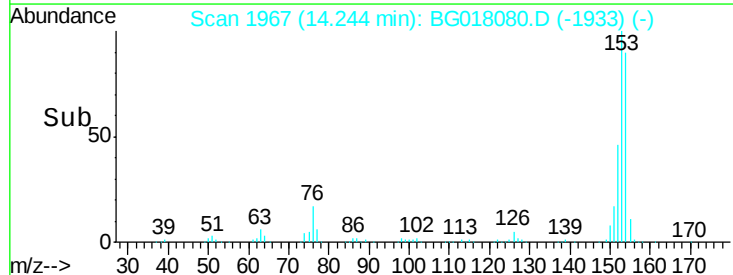
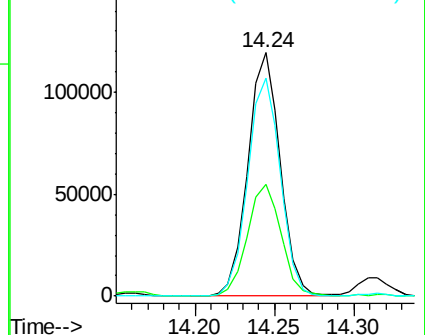


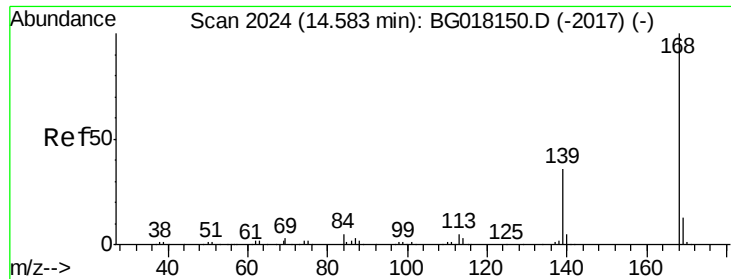
#50
Acenaphthene
Concen: 15.72 ng/ul
RT: 14.24 min Scan# 1967
Delta R.T. -0.00 min
Lab File: BG018080.D
Acq: 24 Jul 2015 00:23

Tgt Ion	Ratio	Lower	Upper
153	100		
152	45.7	38.9	58.3
154	89.8	72.6	108.8



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





#54

Dibenzenofuran

Concen: 10.45 ng/ul

RT: 14.58 min Scan# 2024

Delta R.T. -0.00 min

Lab File: BG018080.D

Acq: 24 Jul 2015 00:23

Instrument :

BNA_G

ClientSampleId :

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Tgt Ion:168 Resp: 159841

Ion Ratio Lower Upper

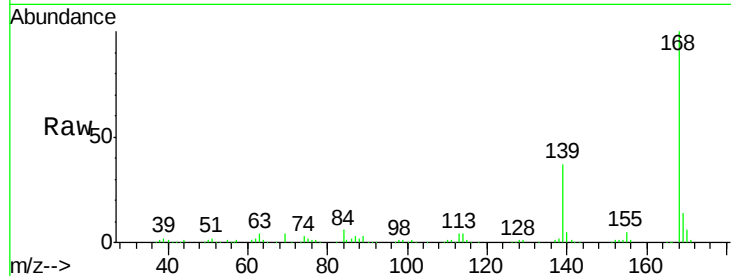
168 100

139 36.8 30.6 46.0

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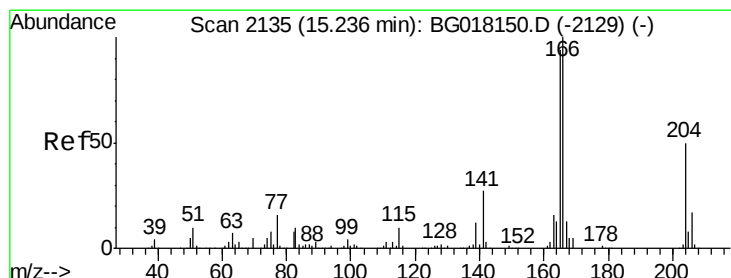
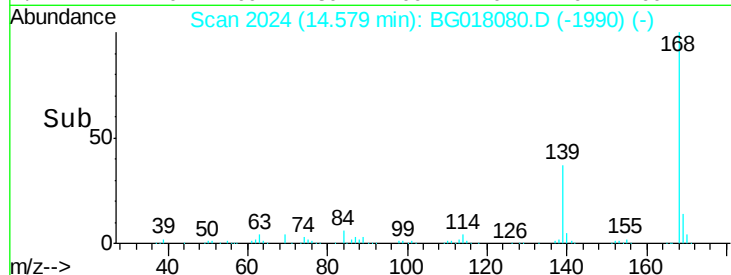
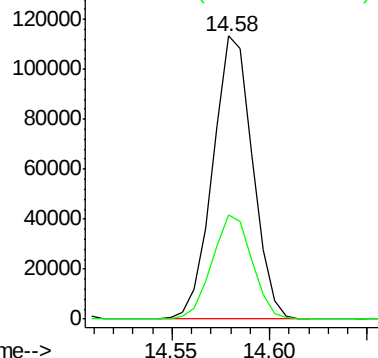
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Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E



#59

Fluorene

Concen: 14.38 ng/ul

RT: 15.24 min Scan# 2136

Delta R.T. -0.00 min

Lab File: BG018080.D

Acq: 24 Jul 2015 00:23

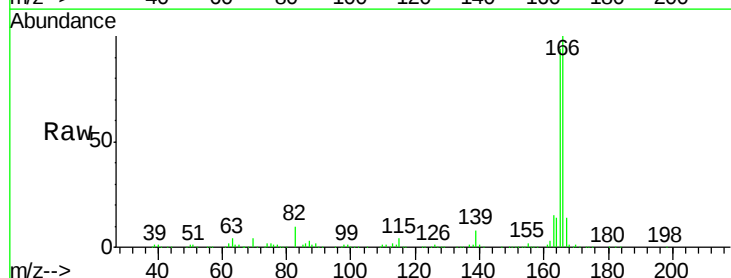
Tgt Ion:166 Resp: 189335

Ion Ratio Lower Upper

166 100

165 93.8 73.6 110.4

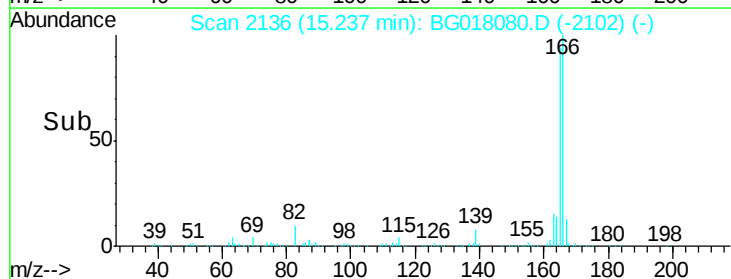
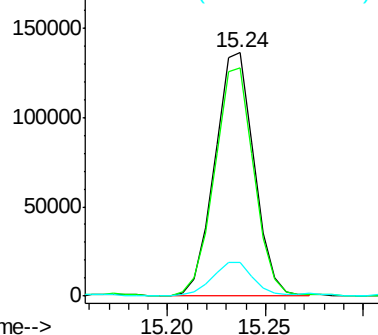
167 13.7 10.8 16.2

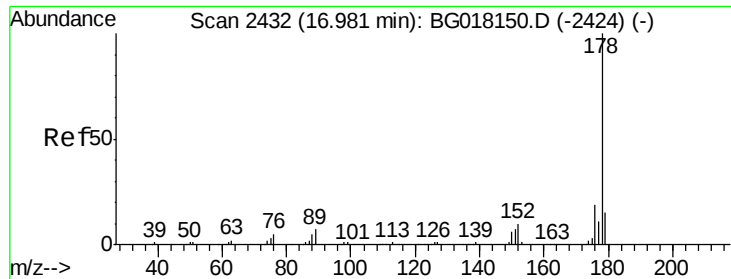


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E





#70

Phenanthrene

Concen: 108.06 ng/ul m

RT: 16.98 min Scan# 2433

Delta R.T. 0.01 min

Lab File: BG018080.D

Acq: 24 Jul 2015 00:23

Instrument :

BNA_G

ClientSampleId :

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Tgt Ion:178 Resp: 2020177

Ion Ratio Lower Upper

178 100

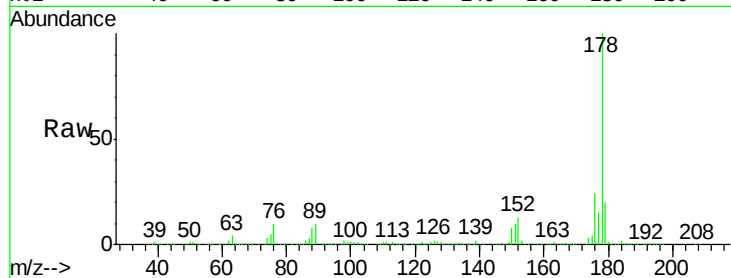
179 20.2 13.0 19.6#

176 24.4 15.8 23.8#

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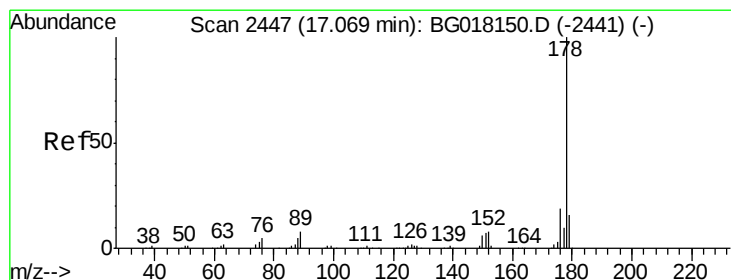
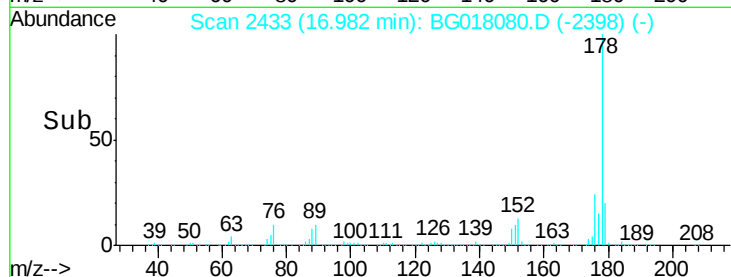
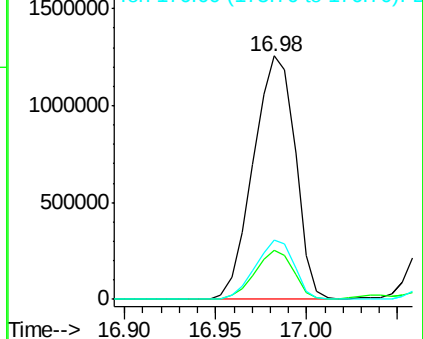
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Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E



#72

Anthracene

Concen: 30.84 ng/ul

RT: 17.07 min Scan# 2448

Delta R.T. 0.01 min

Lab File: BG018080.D

Acq: 24 Jul 2015 00:23

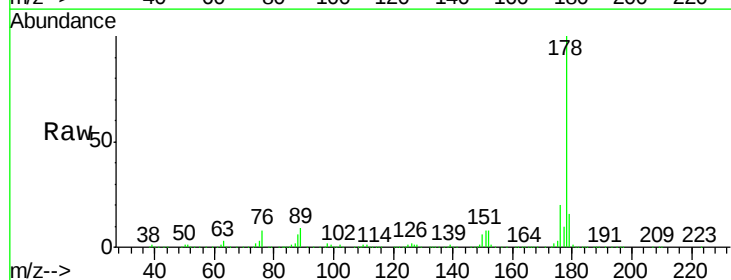
Tgt Ion:178 Resp: 585453

Ion Ratio Lower Upper

178 100

179 15.9 12.4 18.6

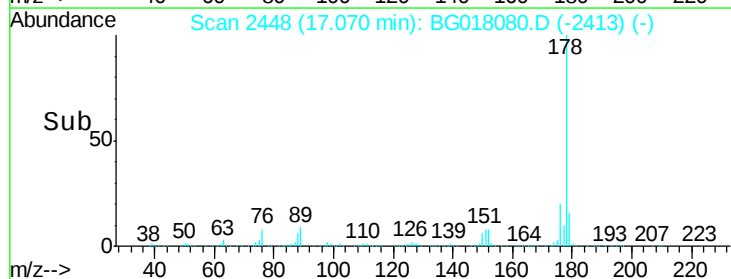
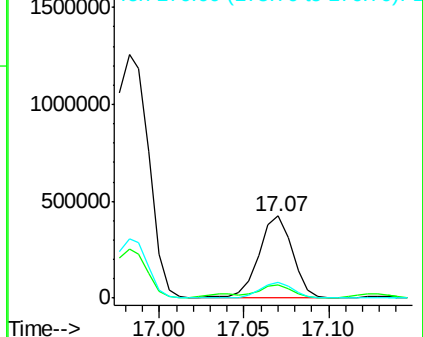
176 19.7 15.8 23.8

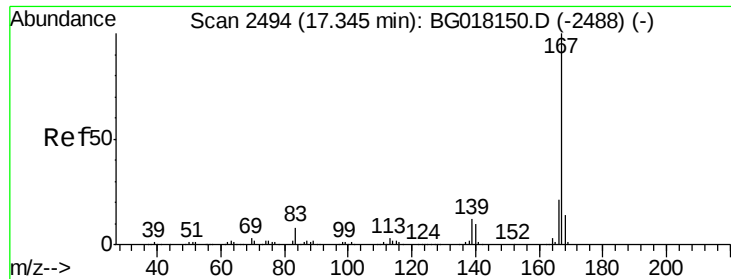


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#75

Carbazole

Concen: 13.28 ng/ul

RT: 17.34 min Scan# 2494

Delta R.T. -0.00 min

Lab File: BG018080.D

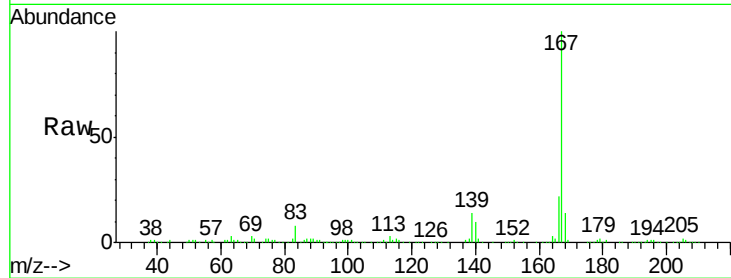
Acq: 24 Jul 2015 00:23

Instrument :

BNA_G

ClientSampleId :

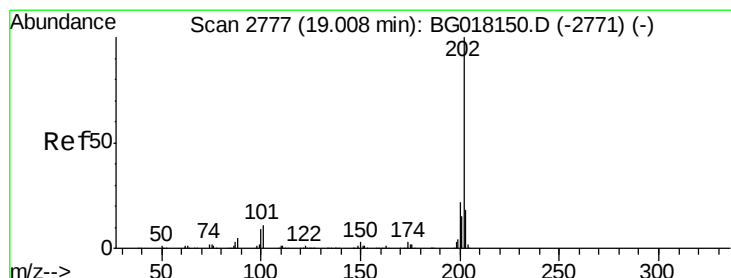
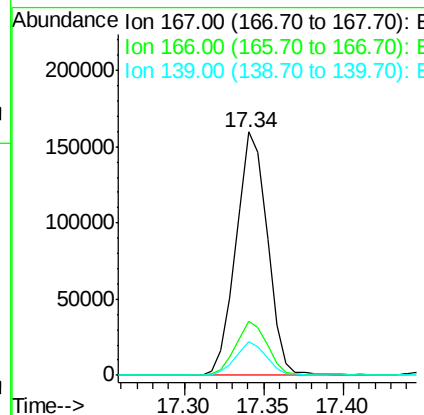
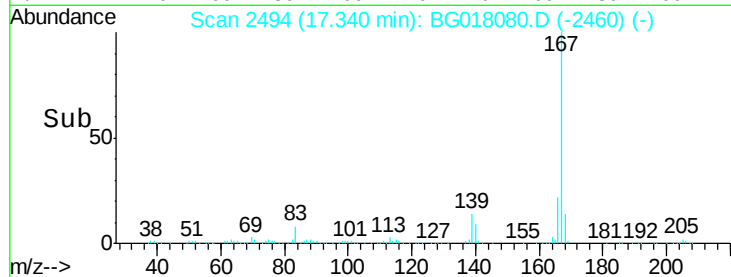
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Tgt Ion:	167	Resp:	218368
Ion Ratio	Lower	Upper	
167	100		
166	22.1	17.4	26.2
139	13.9	10.6	15.8

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#77

Fluoranthene

Concen: 105.26 ng/ul

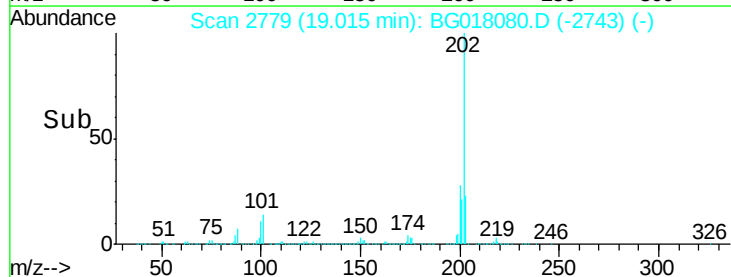
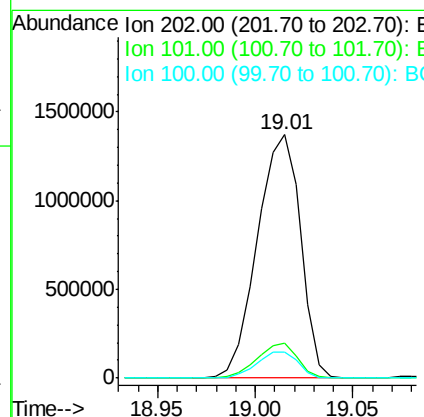
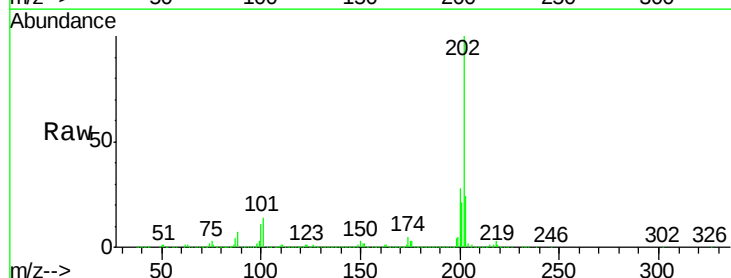
RT: 19.01 min Scan# 2779

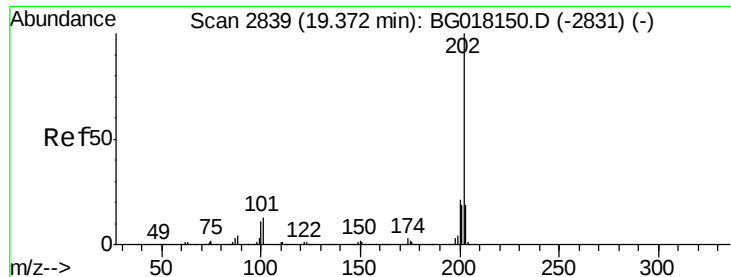
Delta R.T. 0.01 min

Lab File: BG018080.D

Acq: 24 Jul 2015 00:23

Tgt Ion:	202	Resp:	2096286
Ion Ratio	Lower	Upper	
202	100		
101	14.4	9.1	13.7#
100	10.8	7.5	11.3





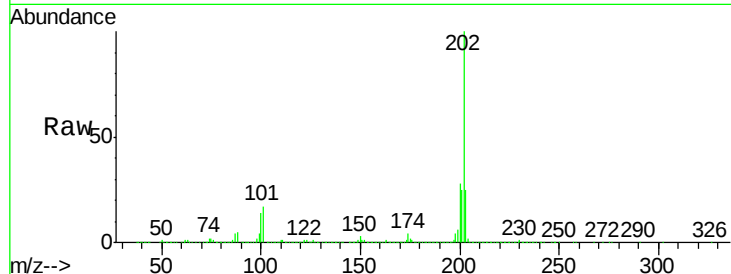
#80
 Pyrene
 Concen: 104.63 ng/ul
 RT: 19.38 min Scan# 2841
 Delta R.T. 0.01 min
 Lab File: BG018080.D
 Acq: 24 Jul 2015 00:23

Instrument :
 BNA_G
 ClientSampleId :
 C02J6

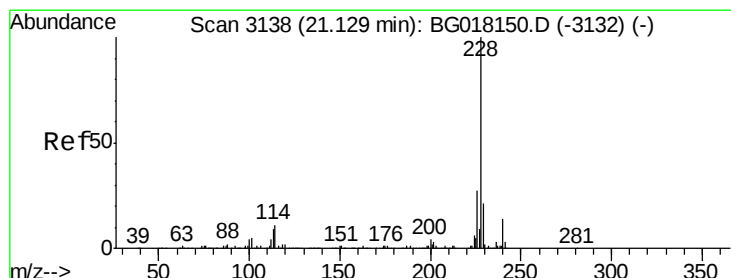
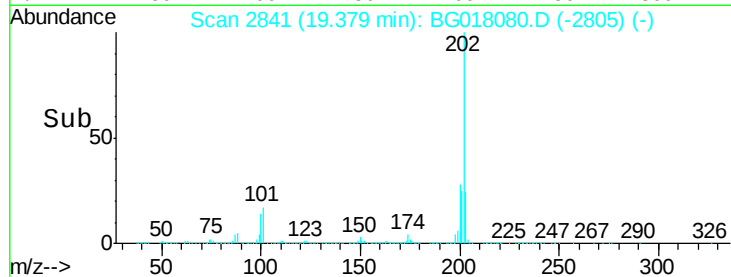
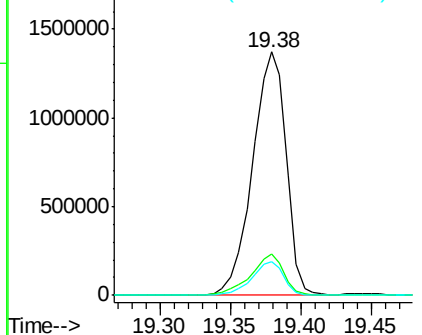
Tgt Ion	Ratio	Lower	Upper
202	100		
101	17.1	10.9	16.3#
100	14.1	8.5	12.7#

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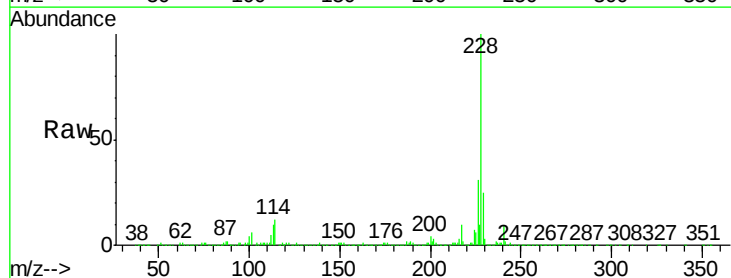


Abundance Ion 202.00 (201.70 to 202.70): E
 Ion 101.00 (100.70 to 101.70): E
 Ion 100.00 (99.70 to 100.70): B

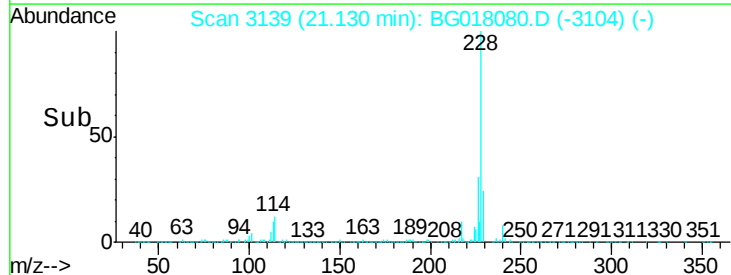
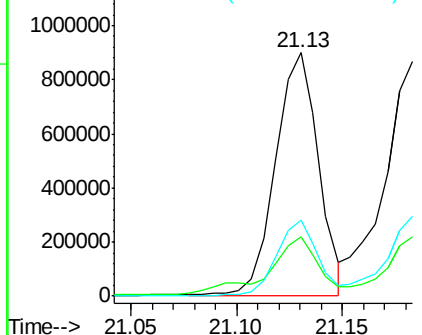


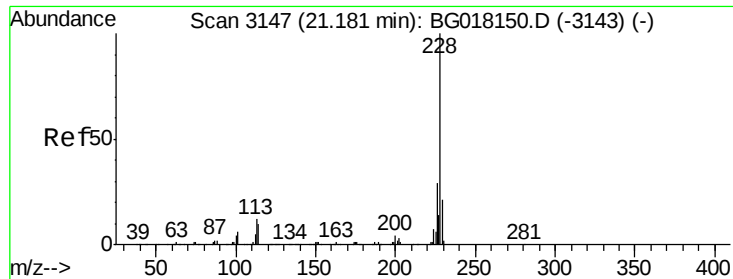
#83
 Benzo(a)anthracene
 Concen: 63.01 ng/ul
 RT: 21.13 min Scan# 3139
 Delta R.T. 0.01 min
 Lab File: BG018080.D
 Acq: 24 Jul 2015 00:23

Tgt Ion	Ratio	Lower	Upper
228	100		
229	24.5	16.6	24.8
226	31.4	21.1	31.7



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





#85

Chrysene

Concen: 66.32 ng/ul

RT: 21.18 min Scan# 3148

Delta R.T. 0.01 min

Lab File: BG018080.D

Acq: 24 Jul 2015 00:23

Instrument :

BNA_G

ClientSampleId :

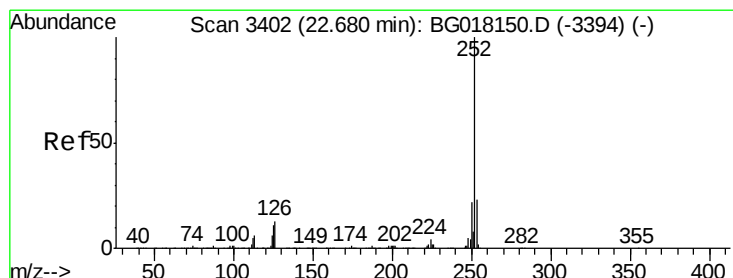
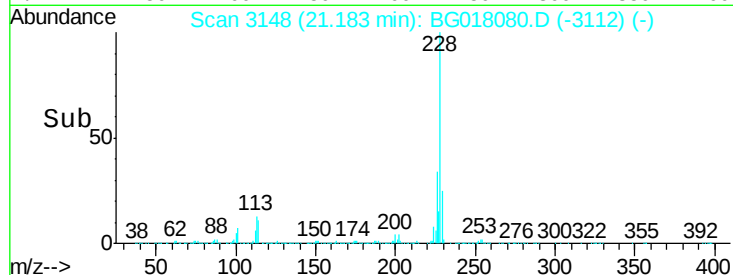
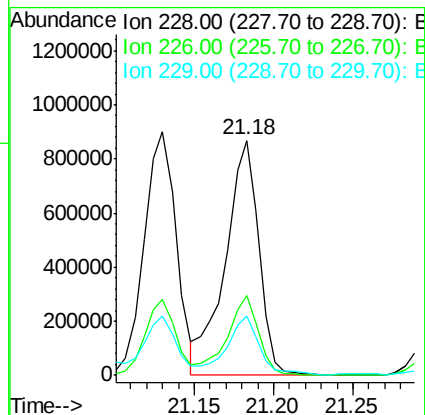
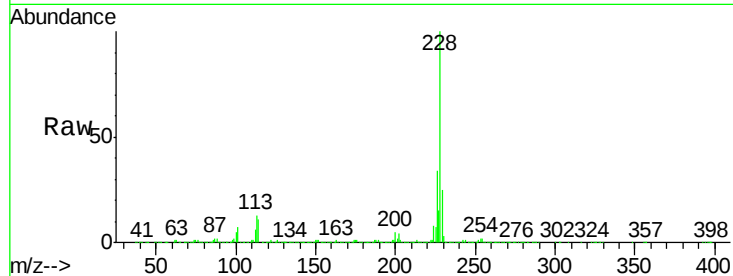
C02J6

Tgt Ion:228 Resp: 1261922

Ion	Ratio	Lower	Upper
228	100		
226	33.7	22.9	34.3
229	25.1	15.6	23.4

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#88

Benzo(b)fluoranthene

Concen: 67.71 ng/ul

RT: 22.68 min Scan# 3403

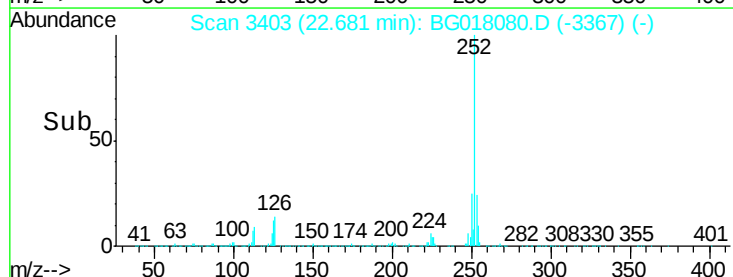
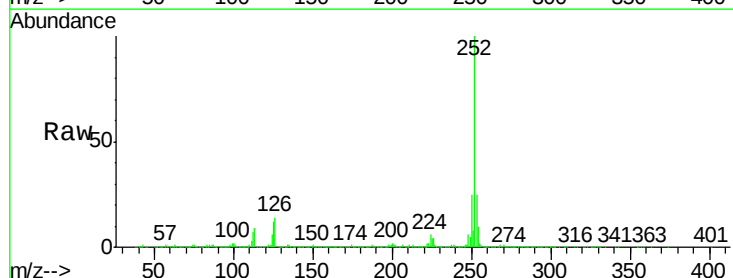
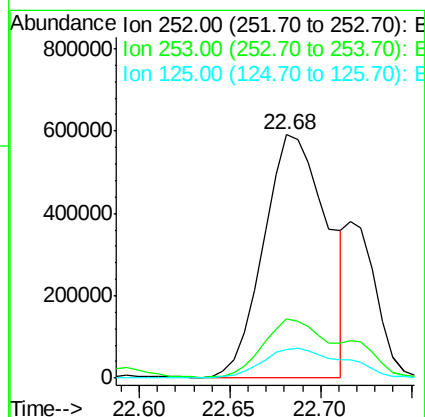
Delta R.T. 0.01 min

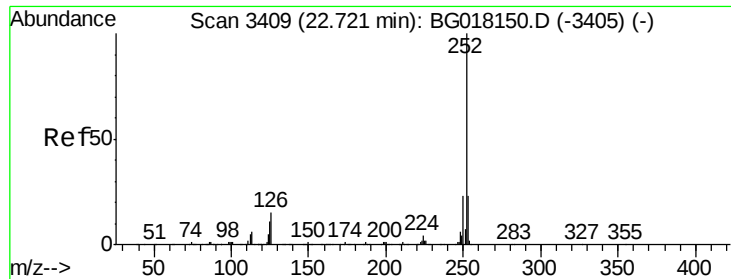
Lab File: BG018080.D

Acq: 24 Jul 2015 00:23

Tgt Ion:252 Resp: 1435166

Ion	Ratio	Lower	Upper
252	100		
253	24.5	18.5	27.7
125	12.0	9.1	13.7





#89

Benzo(k)fluoranthene

Concen: 21.10 ng/ul m

RT: 22.72 min Scan# 3409

Delta R.T. 0.01 min

Lab File: BG018080.D

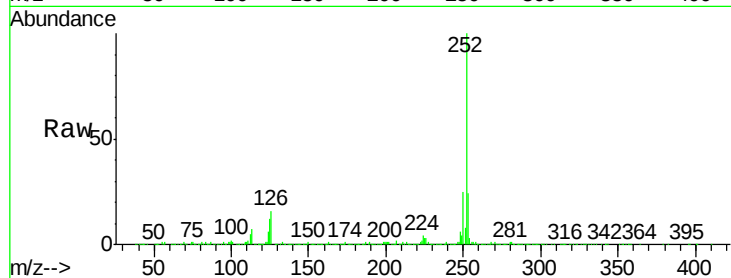
Acq: 24 Jul 2015 00:23

Instrument :

BNA_G

ClientSampleId :

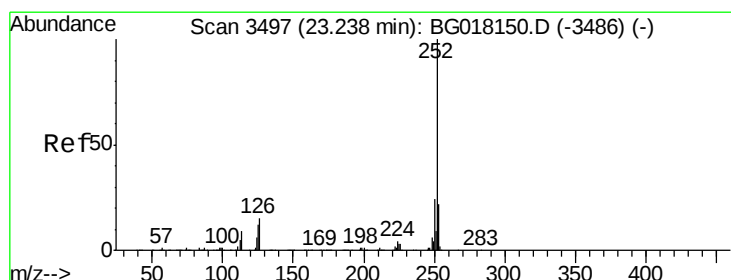
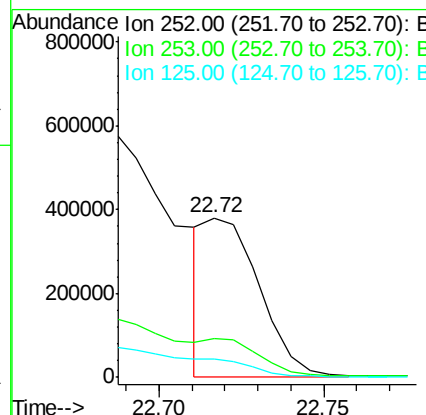
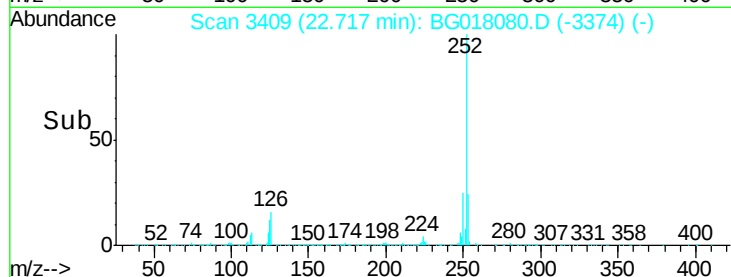
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Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.1	17.8	26.8
125	11.9	9.3	13.9

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#91

Benzo(a)pyrene

Concen: 52.53 ng/ul

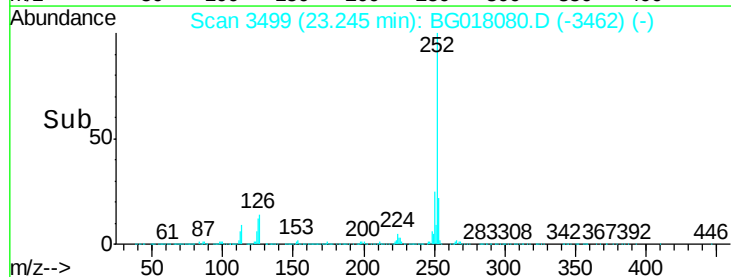
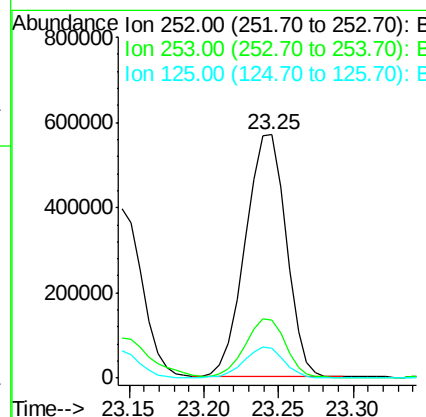
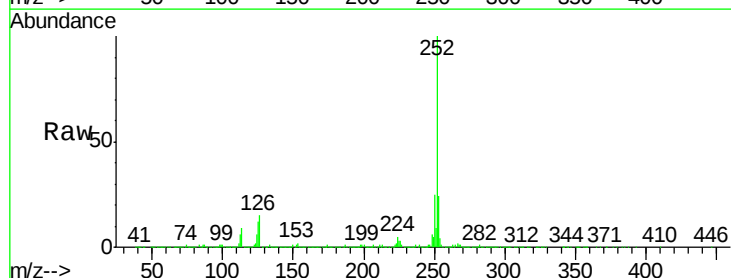
RT: 23.25 min Scan# 3499

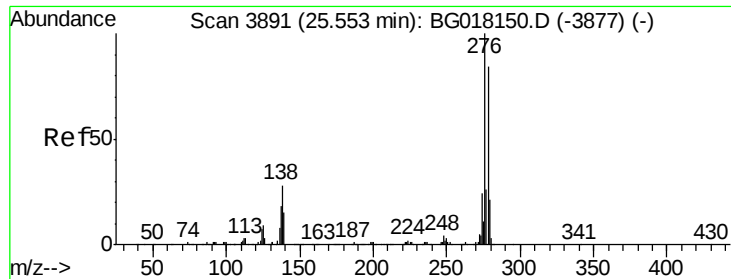
Delta R.T. 0.02 min

Lab File: BG018080.D

Acq: 24 Jul 2015 00:23

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.1	18.0	27.0
125	12.1	10.2	15.2





#92

Indeno(1,2,3-cd)pyrene

Concen: 26.18 ng/ul

RT: 25.54 min Scan# 3890

Delta R.T. 0.02 min

Lab File: BG018080.D

Acq: 24 Jul 2015 00:23

Instrument :

BNA_G

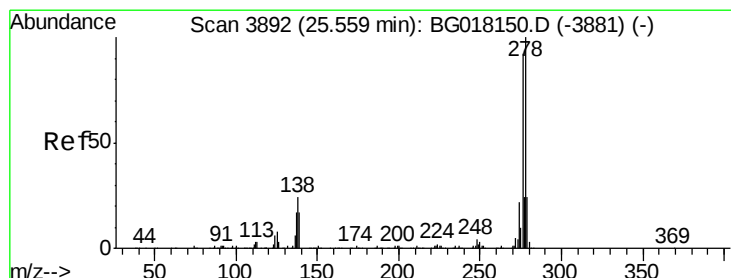
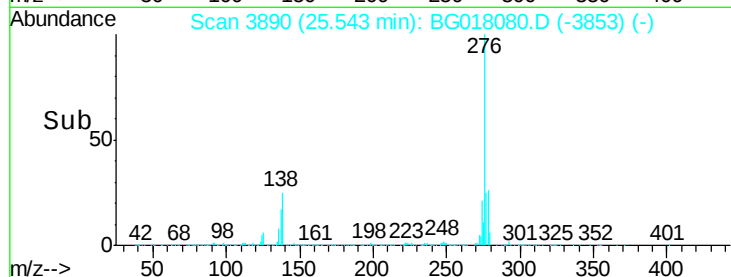
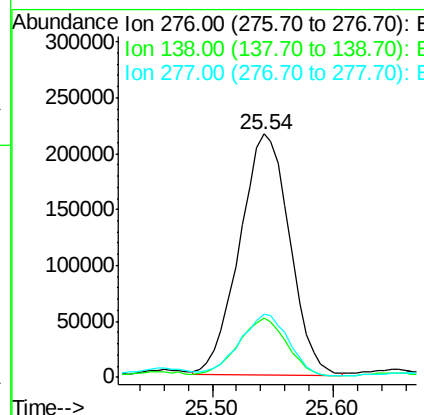
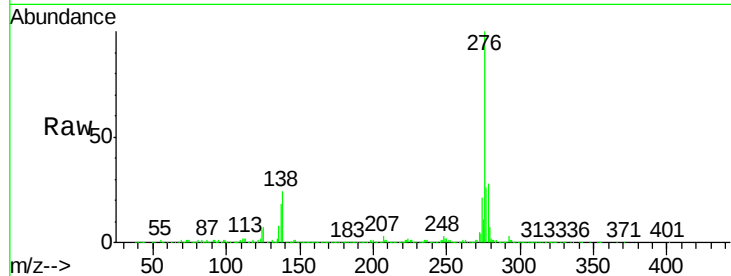
ClientSampleId :

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Tgt Ion:	276	Resp:	619972
Ion Ratio	Lower	Upper	
276	100		
138	24.4	22.6	33.8
277	25.9	19.8	29.8

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#93

Dibenzo(a,h)anthracene

Concen: 9.36 ng/ul

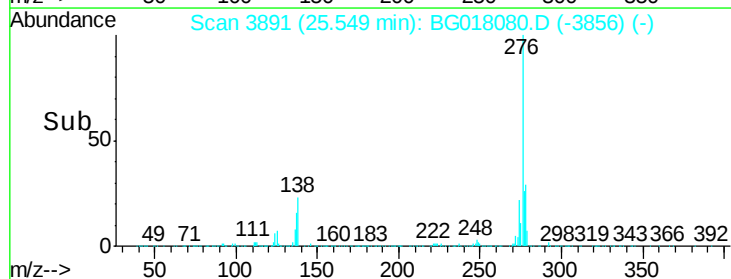
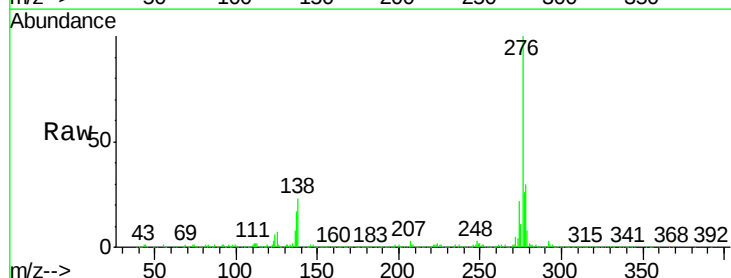
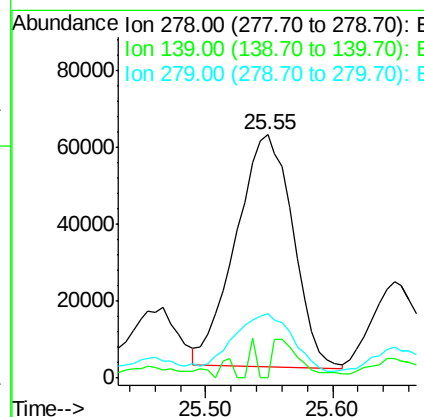
RT: 25.55 min Scan# 3891

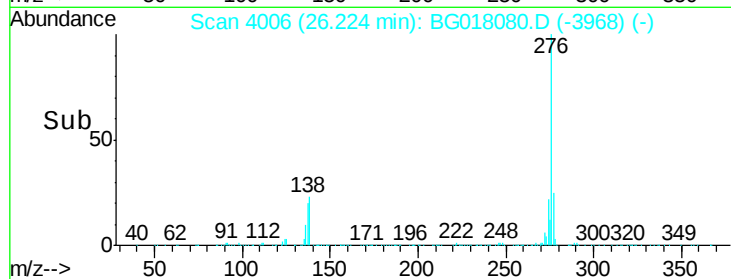
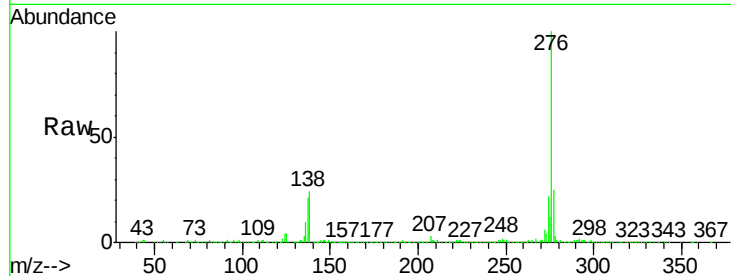
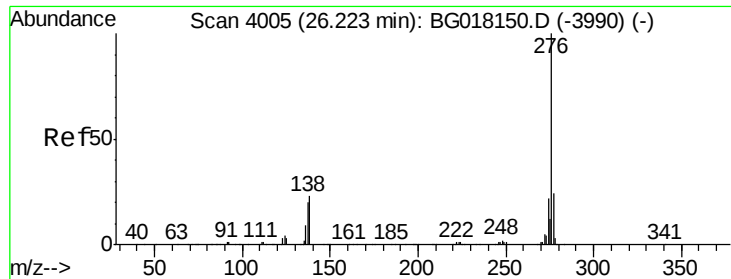
Delta R.T. 0.01 min

Lab File: BG018080.D

Acq: 24 Jul 2015 00:23

Tgt Ion:	278	Resp:	189323
Ion Ratio	Lower	Upper	
278	100		
139	0.0	13.7	20.5#
279	26.6	18.1	27.1





#94

Benzo(g,h,i)perylene

Concen: 29.71 ng/ul

RT: 26.22 min Scan# 4006

Delta R.T. 0.02 min

Lab File: BG018080.D

Acq: 24 Jul 2015 00:23

Tgt Ion:	276	Resp:	581411
Ion Ratio	Lower	Upper	
276	100		
138	23.7	18.8	28.2
277	25.3	19.3	28.9

Instrument :

BNA_G

ClientSampleId :

C02J6

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