

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG080415\
 Data File : BG018268.D
 Acq On : 5 Aug 2015 00:45
 Operator : UM/TP
 Sample : G3109-12
 Misc :
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 C01P8

Manual Integrations
 APPROVED

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 8/7/2015 4:41:08 PM

Quant Time: Aug 05 05:51:19 2015
 Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG073115.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Wed Aug 05 02:27:11 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.46	152	38554	20.00	ng/ul	0.01
18) Naphthalene-d8	10.24	136	184660	20.00	ng/ul	0.01
36) Acenaphthene-d10	14.14	164	104625	20.00	ng/ul	0.02
62) Phenanthrene-d10	16.91	188	126532m	20.00	ng/ul	0.02
78) Chrysene-d12	21.12	240	200533	20.00	ng/ul	0.02
86) Perylene-d12	23.32	264	202241	20.00	ng/ul	0.06

System Monitoring Compounds

3) 1,4-Dioxane-d8	2.94	96	887	1.74	ng/uL	0.01
5) Phenol-d5	6.67	99	47958	13.83	ng/ul	0.02
7) Bis-(2-Chloroethyl)ether-d	6.80	67	23642	13.34	ng/ul	0.01
9) 2-Chlorophenol-d4	7.00	132	41358	15.79	ng/ul	0.01
13) 4-Methylphenol-d8	8.20	113	35464	12.56	ng/ul	0.02
19) Nitrobenzene-d5	8.62	128	22473	15.45	ng/ul	0.01
22) 2-Nitrophenol-d4	9.34	143	26689	15.99	ng/ul	0.01
26) 2,4-Dichlorophenol-d3	9.89	165	42918	14.55	ng/ul	0.02
29) 4-Chloroaniline-d4	10.40	131	16525	4.49	ng/ul	0.02
44) Dimethylphthalate-d6	13.56	166	131096	16.22	ng/ul	0.01
47) Acenaphthylene-d8	13.83	160	142068	15.15	ng/ul	0.02
52) 4-Nitrophenol-d4	14.40	143	14380	9.61	ng/ul	0.02
58) Fluorene-d10	15.14	176	98728	13.49	ng/ul	0.01
63) 4,6-Dinitro-2-methylphenol	0.00	200	0d	0.00	ng/ul	
71) Anthracene-d10	17.01	188	81736	14.86	ng/ul	0.02
79) Pyrene-d10	19.32	212	97524	10.05	ng/ul	0.02
90) Benzo(a)pyrene-d12	23.18	264	167671	16.39	ng/ul	0.05

Target Compounds

						Qvalue
28) Naphthalene	10.30	128	24038	2.70	ng/ul	99
34) 2-Methylnaphthalene	11.92	142	17138	2.44	ng/ul	91
35) 1-Methylnaphthalene	12.15	142	10546	1.56	ng/ul	91
45) Dimethylphthalate	13.60	163	58831	7.31	ng/ul	99
50) Acenaphthene	14.21	153	14691	2.42	ng/ul#	82
54) Dibenzofuran	14.55	168	13649	1.49	ng/ul#	75
59) Fluorene	15.20	166	13798	1.75	ng/ul#	93
70) Phenanthrene	16.95	178	95268	14.82	ng/ul	98
72) Anthracene	17.04	178	21260m	3.32	ng/ul	
75) Carbazole	17.32	167	7297m	1.37	ng/ul	
76) Di-n-butylphthalate	17.89	149	29662m	4.20	ng/ul	
77) Fluoranthene	18.99	202	243087m	34.43	ng/ul	
80) Pyrene	19.36	202	251011	20.64	ng/ul#	88
81) Butylbenzylphthalate	20.26	149	83371	16.87	ng/ul#	74
83) Benzo(a)anthracene	21.11	228	193112	17.88	ng/ul#	94
84) Bis(2-ethylhexyl)phthalate	21.05	149	2527271	379.13	ng/ul#	67
85) Chrysene	21.16	228	208326	21.06	ng/ul#	91
88) Benzo(b)fluoranthene	22.67	252	369220	30.39	ng/ul#	86
89) Benzo(k)fluoranthene	22.70	252	126753m	11.35	ng/ul	
91) Benzo(a)pyrene	23.23	252	213108	19.61	ng/ul#	78
92) Indeno(1,2,3-cd)pyrene	25.54	276	105686	8.40	ng/ul#	90
94) Benzo(g,h,i)perylene	26.23	276	91882	8.95	ng/ul	94

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Instrument :
BNA_G
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C01P8

Manual Integrations
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Quant Time: Aug 05 05:51:19 2015
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG073115.M
Quant Title : SVOA CALIBRATION
QLast Update : Wed Aug 05 02:27:11 2015
Response via : Initial Calibration

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

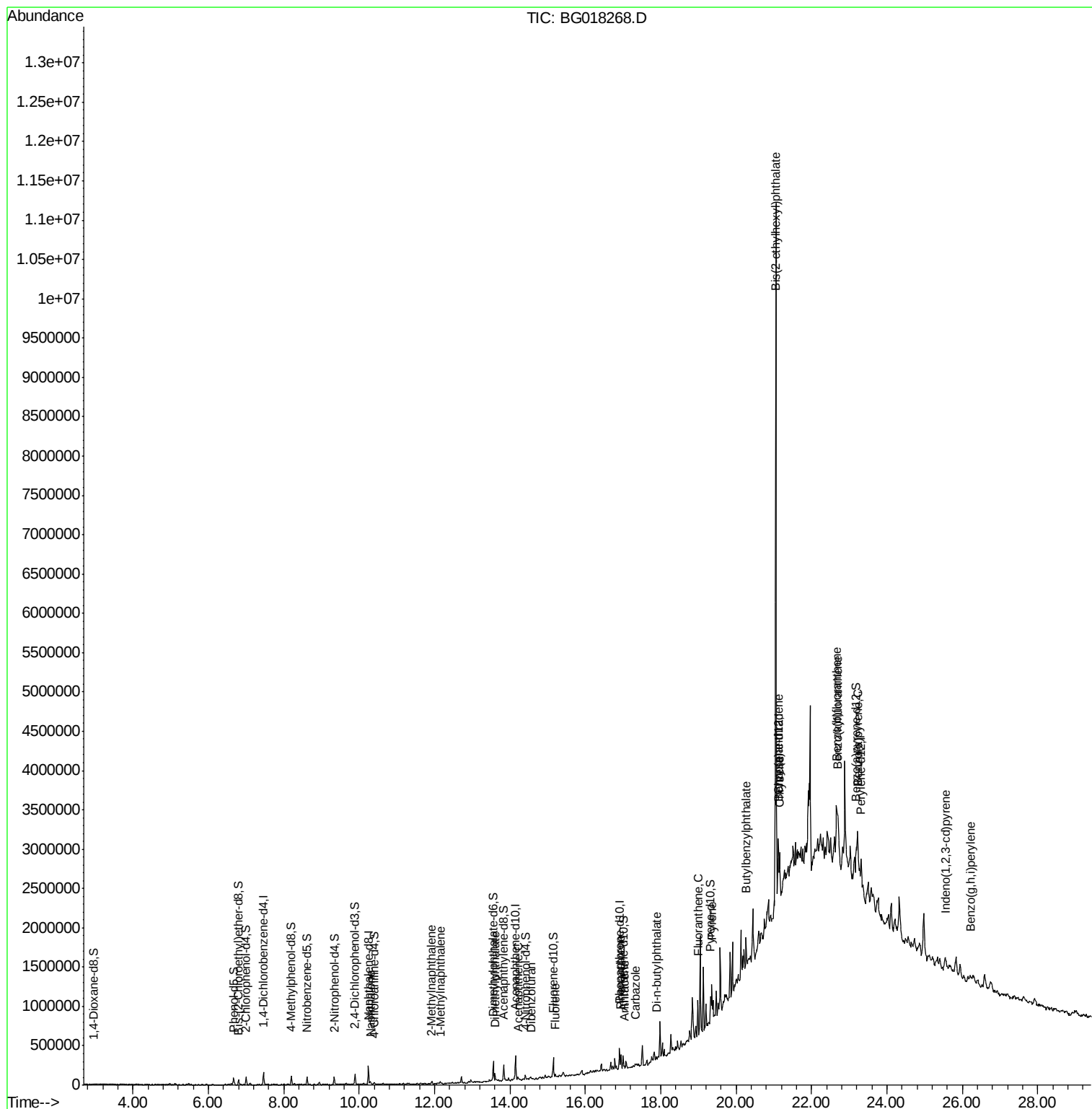
Data Path : Z:\HPCHEM1\BNA_G\DATA\BG080415\
Data File : BG018268.D
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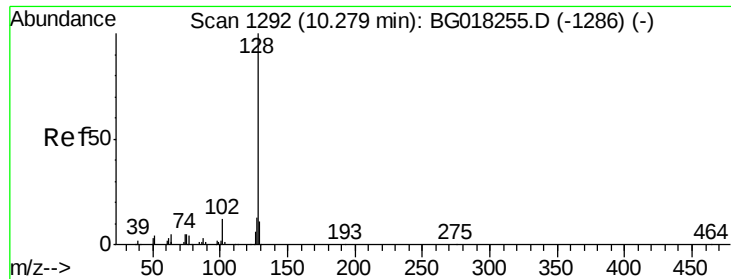
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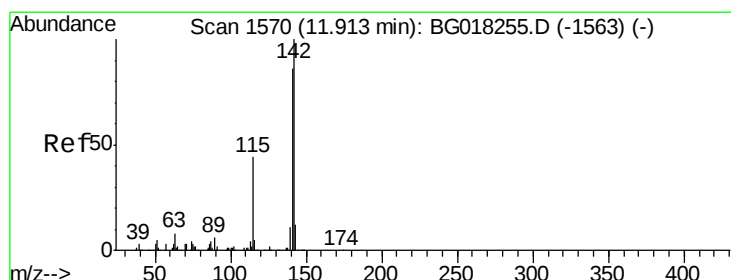
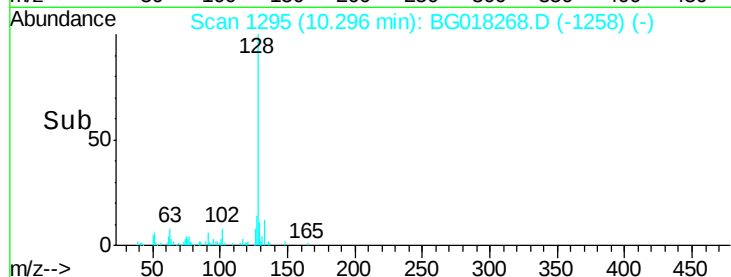
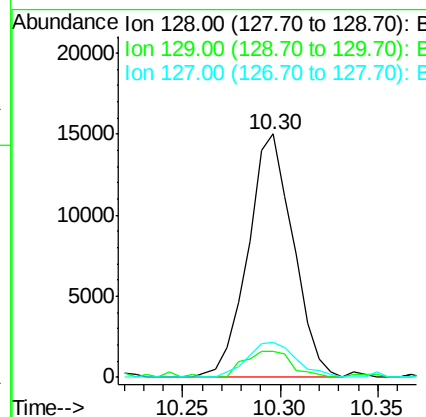
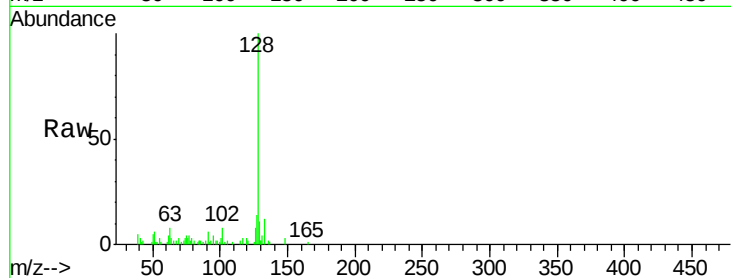
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Naphthalene
Concen: 2.70 ng/ul
RT: 10.30 min Scan# 1295
Delta R.T. 0.02 min
Lab File: BG018268.D
Acq: 5 Aug 2015 00:45

Instrument :
BNA_G
ClientSampleId :
C01P8

Tgt Ion	Ratio	Lower	Upper
128	100		
129	10.8	9.1	13.7
127	14.4	11.2	16.8

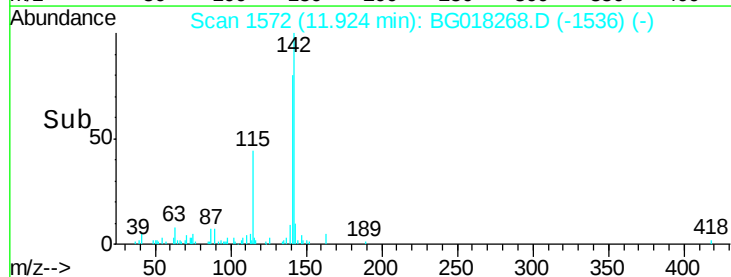
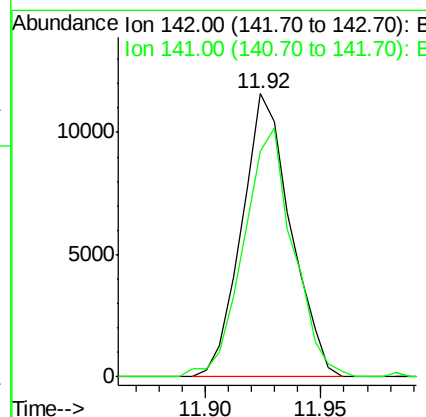
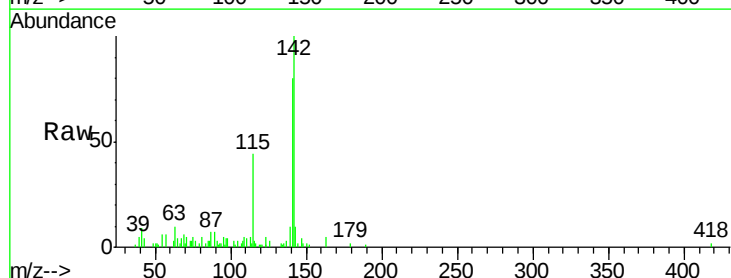
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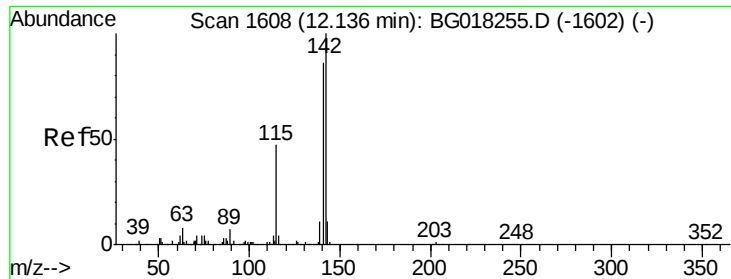
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#34
2-Methylnaphthalene
Concen: 2.44 ng/ul
RT: 11.92 min Scan# 1572
Delta R.T. 0.01 min
Lab File: BG018268.D
Acq: 5 Aug 2015 00:45

Tgt Ion	Ratio	Lower	Upper
142	100		
141	79.6	70.3	105.5





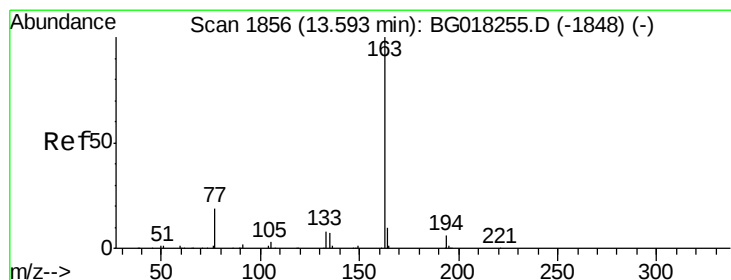
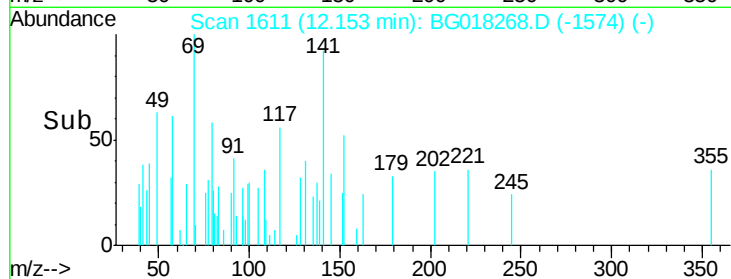
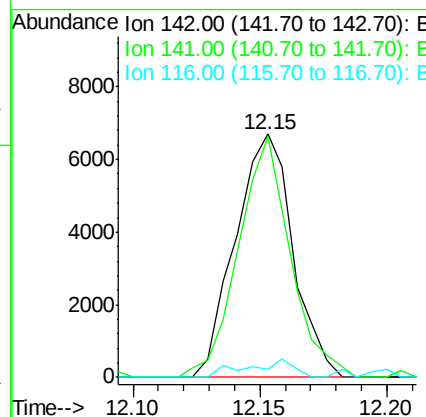
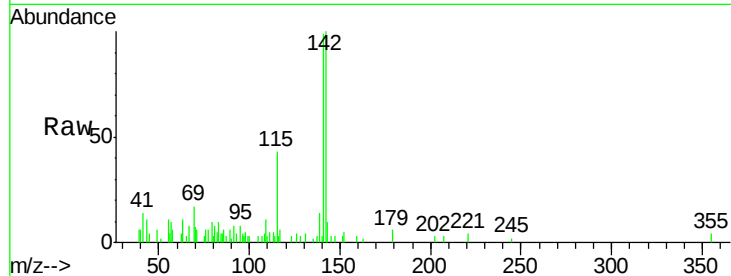
#35
 1-Methylnaphthalene
 Concen: 1.56 ng/ul
 RT: 12.15 min Scan# 1611
 Delta R.T. 0.02 min
 Lab File: BG018268.D
 Acq: 5 Aug 2015 00:45

Instrument :
 BNA_G
 ClientSampled :
 C01P8

Tgt Ion	Ratio	Resp	Lower	Upper
142	100	10546		
141	99.2	72.5	108.7	
116	3.1	2.6	4.0	

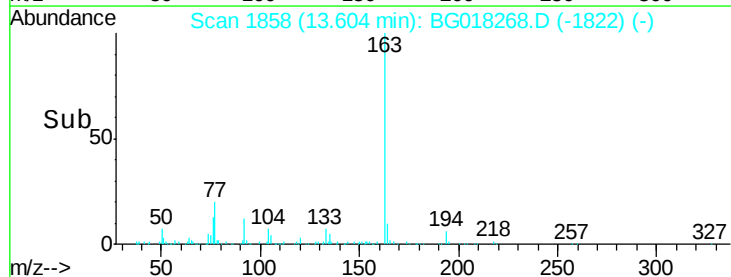
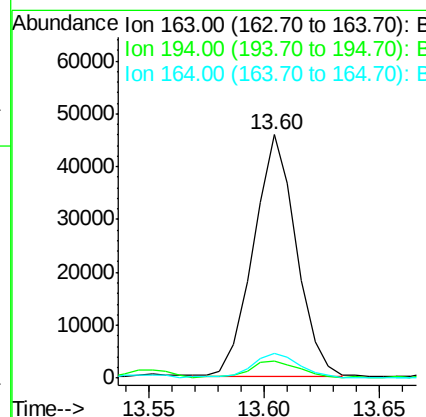
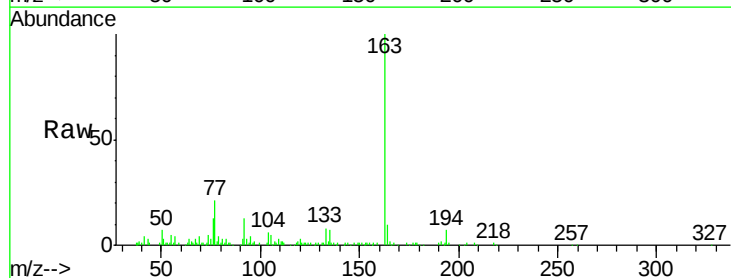
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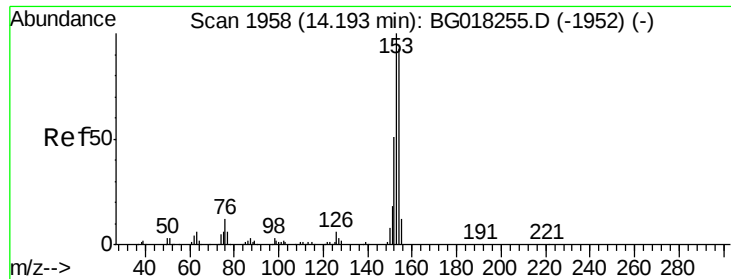
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#45
 Dimethylphthalate
 Concen: 7.31 ng/ul
 RT: 13.60 min Scan# 1858
 Delta R.T. 0.01 min
 Lab File: BG018268.D
 Acq: 5 Aug 2015 00:45

Tgt Ion	Ratio	Resp	Lower	Upper
163	100	58831		
194	6.9	5.2	7.8	
164	10.2	8.4	12.6	





#50

Acenaphthene

Concen: 2.42 ng/ul

RT: 14.21 min Scan# 1961

Delta R.T. 0.02 min

Lab File: BG018268.D

Acq: 5 Aug 2015 00:45

Instrument :

BNA_G

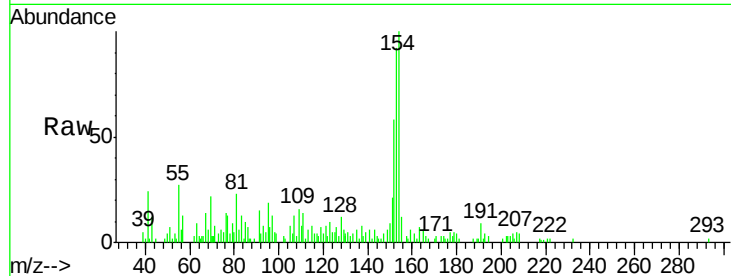
ClientSampleId :

C01P8

Tgt Ion:	153	Resp:	14691
Ion Ratio	Lower	Upper	
153	100		
152	63.5	38.7	58.1#
154	109.0	74.8	112.2

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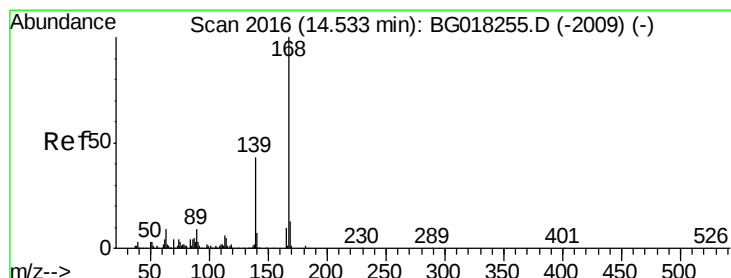
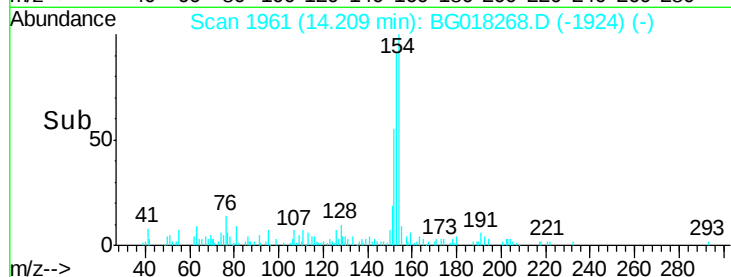
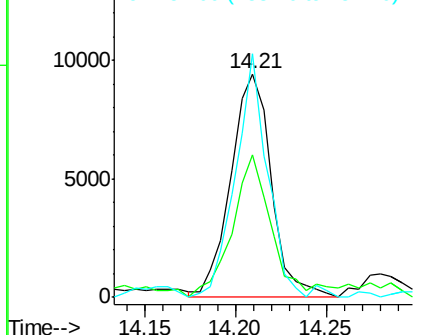
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Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E



#54

Dibenzofuran

Concen: 1.49 ng/ul

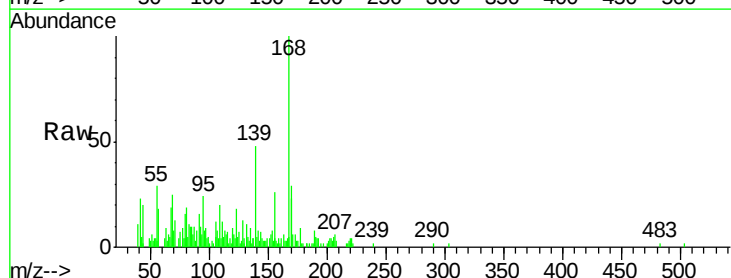
RT: 14.55 min Scan# 2019

Delta R.T. 0.02 min

Lab File: BG018268.D

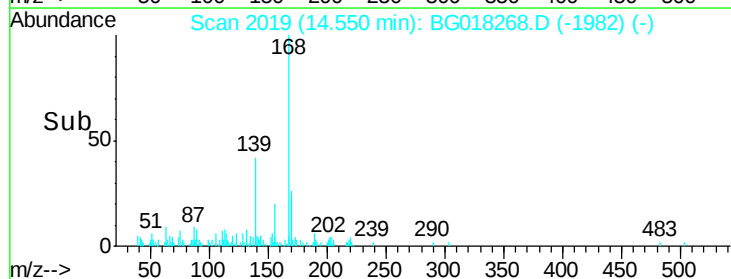
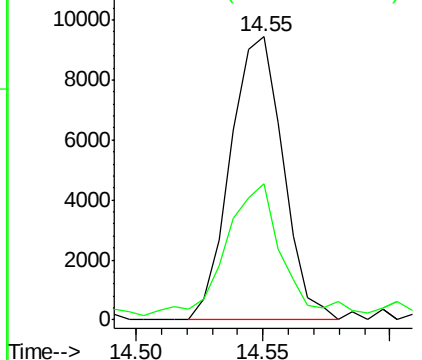
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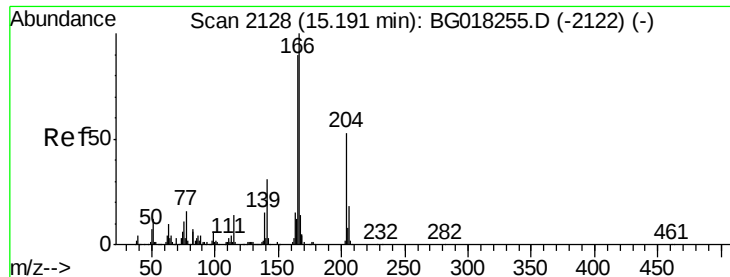
Tgt Ion:	168	Resp:	13649
Ion Ratio	Lower	Upper	
168	100		
139	47.9	26.8	40.2#



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E





#59

Fluorene

Concen: 1.75 ng/ul

RT: 15.20 min Scan# 2130

Delta R.T. 0.01 min

Lab File: BG018268.D

Acq: 5 Aug 2015 00:45

Instrument :

BNA_G

ClientSampleId :

C01P8

Tgt Ion:166 Resp: 13798

Ion Ratio Lower Upper

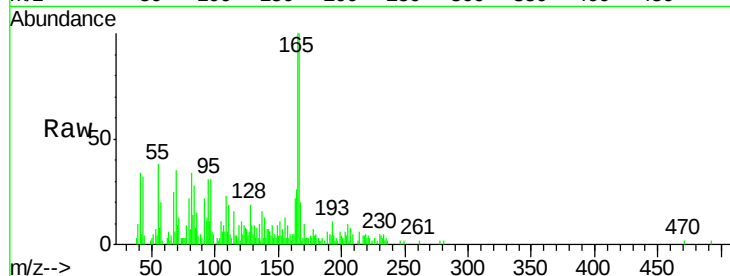
166 100

165 100.0 75.1 112.7

167 20.5 11.8 17.6#

Manual Integrations
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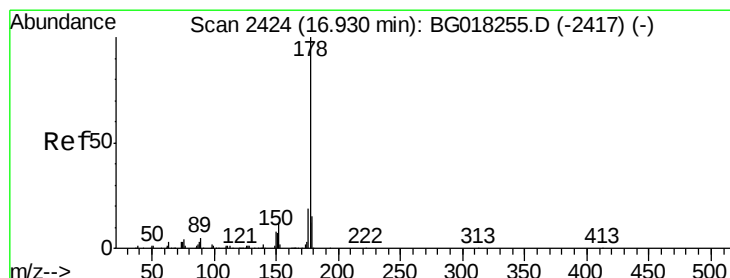
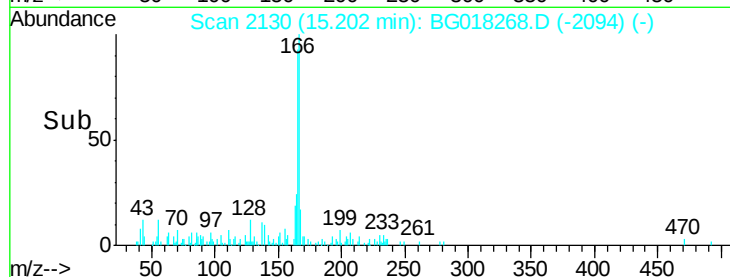
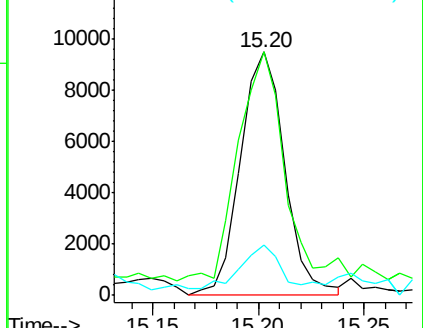
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Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E



#70

Phenanthrene

Concen: 14.82 ng/ul

RT: 16.95 min Scan# 2427

Delta R.T. 0.02 min

Lab File: BG018268.D

Acq: 5 Aug 2015 00:45

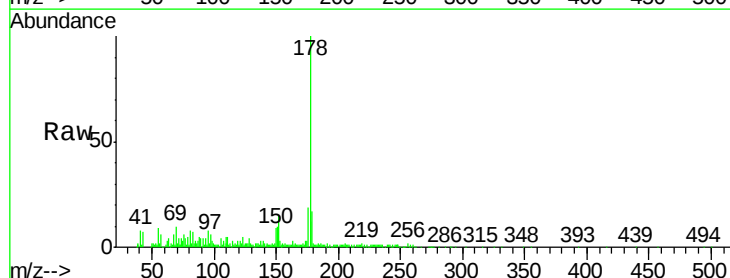
Tgt Ion:178 Resp: 95268

Ion Ratio Lower Upper

178 100

179 17.0 12.8 19.2

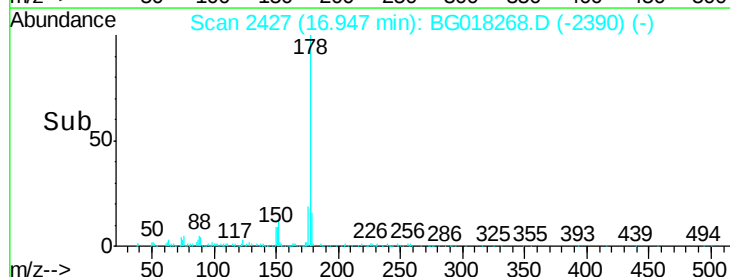
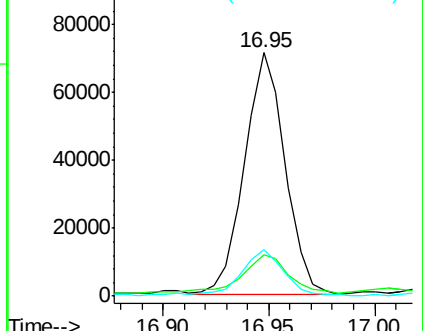
176 19.3 16.0 24.0

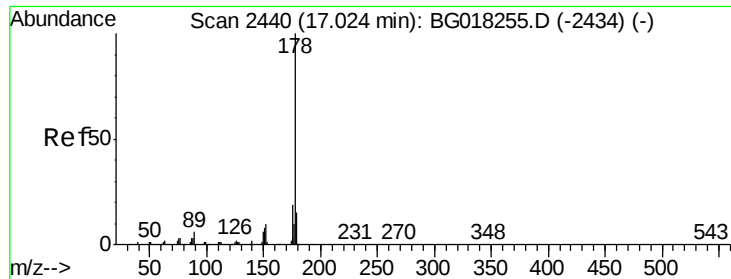


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#72

Anthracene

Concen: 3.32 ng/ul m

RT: 17.04 min Scan# 2443

Delta R.T. 0.02 min

Lab File: BG018268.D

Acq: 5 Aug 2015 00:45

Instrument :

BNA_G

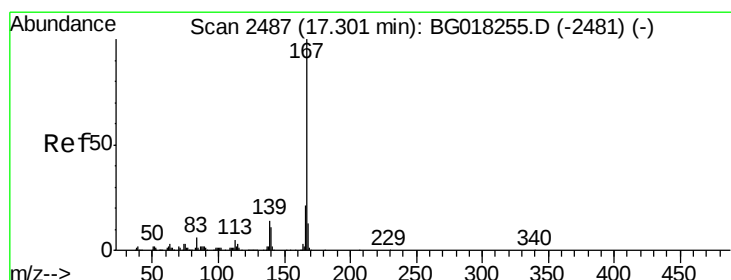
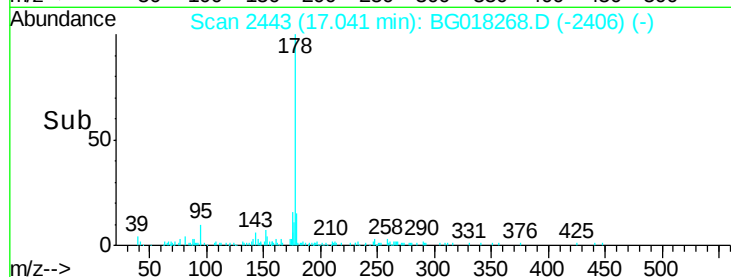
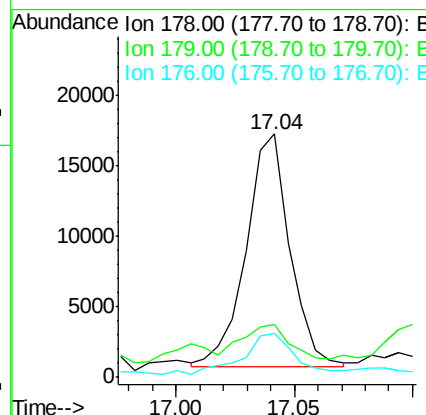
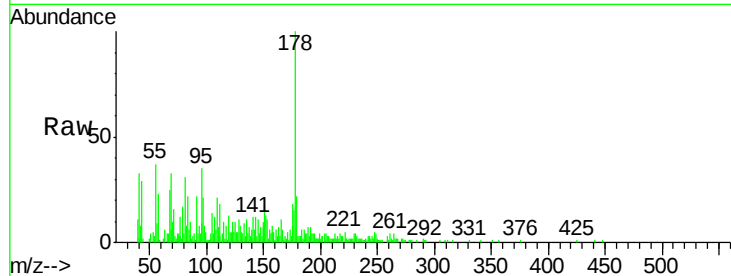
ClientSampleId :

C01P8

Tgt Ion	Ratio	Lower	Upper
178	100		
179	21.7	12.2	18.2#
176	18.2	14.8	22.2

Manual Integrations
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#75

Carbazole

Concen: 1.37 ng/ul m

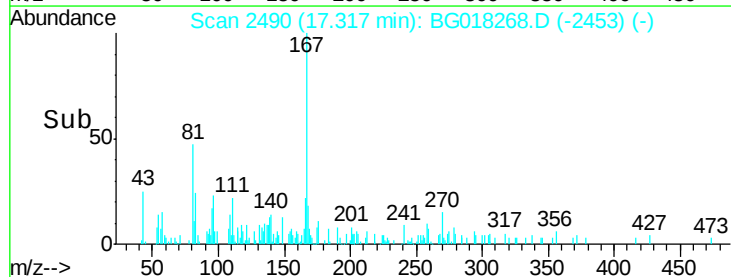
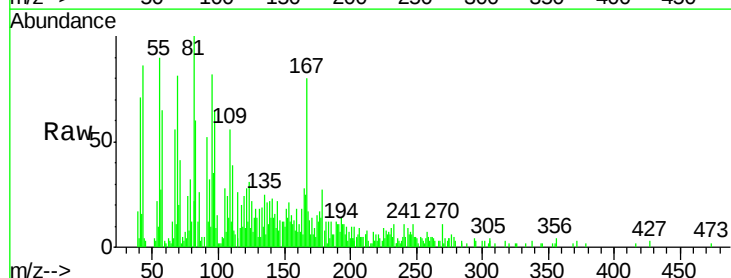
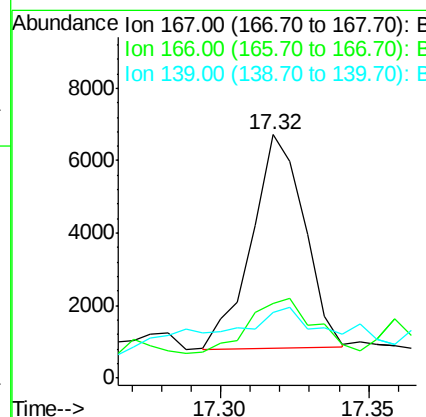
RT: 17.32 min Scan# 2490

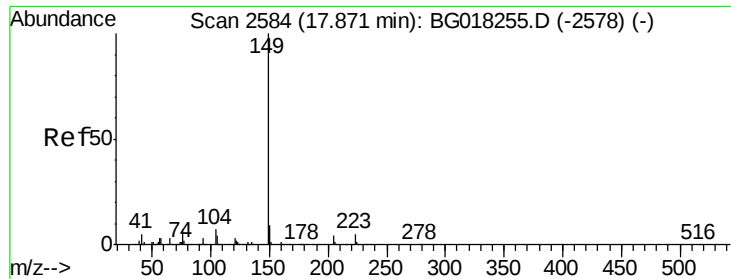
Delta R.T. 0.02 min

Lab File: BG018268.D

Acq: 5 Aug 2015 00:45

Tgt Ion	Ratio	Lower	Upper
167	100		
166	30.6	17.5	26.3#
139	27.1	10.1	15.1#





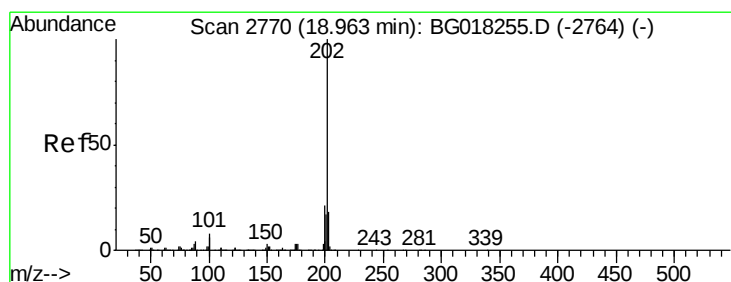
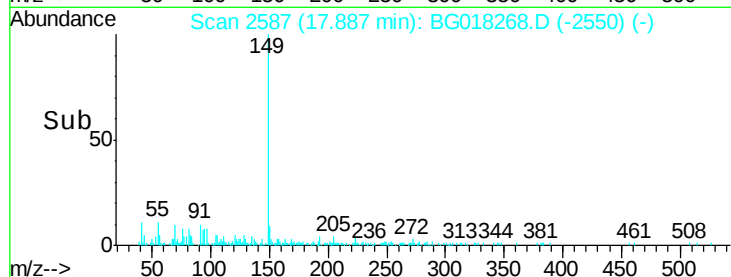
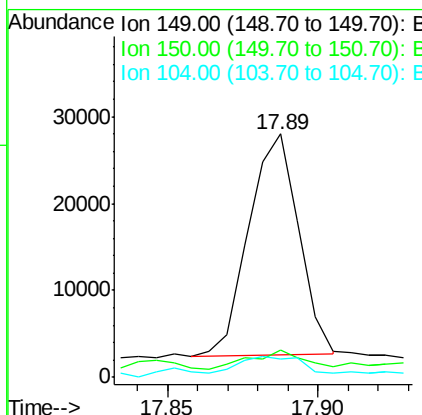
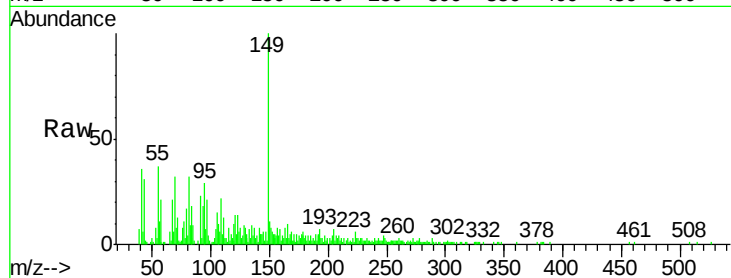
#76
Di-n-butylphthalate
Concen: 4.20 ng/ul m
RT: 17.89 min Scan# 2587
Delta R.T. 0.02 min
Lab File: BG018268.D
Acq: 5 Aug 2015 00:45

Instrument :
BNA_G
ClientSampleId :
C01P8

Tgt Ion	Ratio	Resp	Lower	Upper
149	100	29662		
150	11.3		7.7	11.5
104	7.4		3.6	5.4#

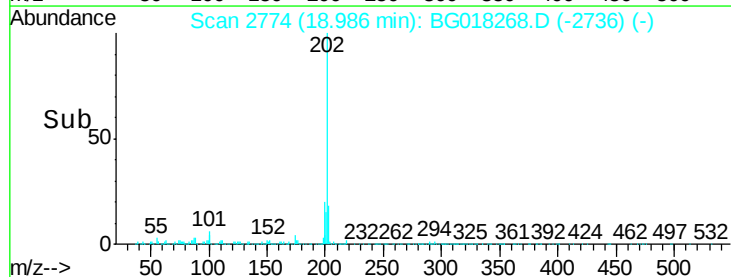
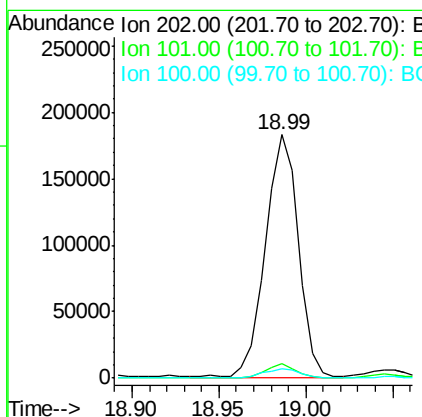
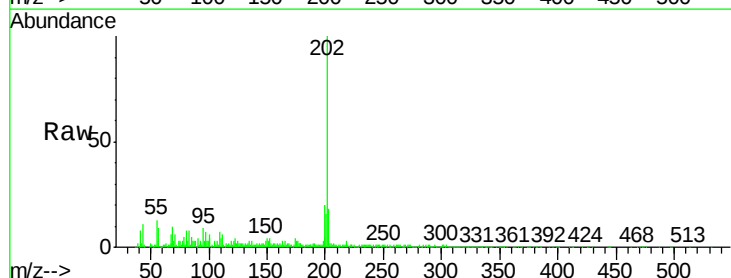
Manual Integrations
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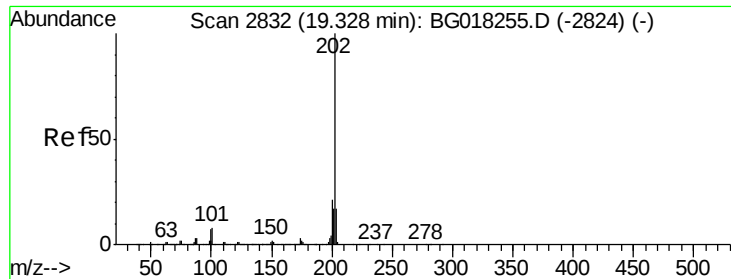
MMDadoda
8/7/2015 4:41:08 PM



#77
Fluoranthene
Concen: 34.43 ng/ul m
RT: 18.99 min Scan# 2774
Delta R.T. 0.02 min
Lab File: BG018268.D
Acq: 5 Aug 2015 00:45

Tgt Ion	Ratio	Resp	Lower	Upper
202	100	243087		
101	5.8		7.5	11.3#
100	4.1		5.5	8.3#





#80

Pyrene

Concen: 20.64 ng/ul

RT: 19.36 min Scan# 2837

Delta R.T. 0.03 min

Lab File: BG018268.D

Acq: 5 Aug 2015 00:45

Instrument :

BNA_G

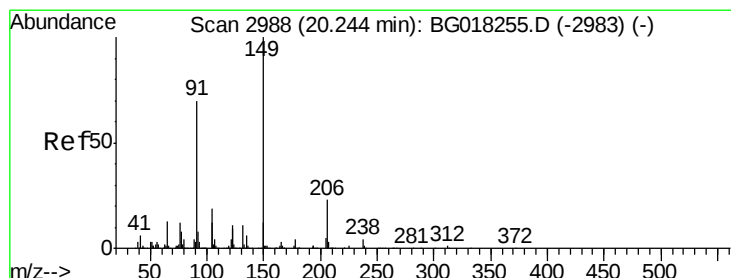
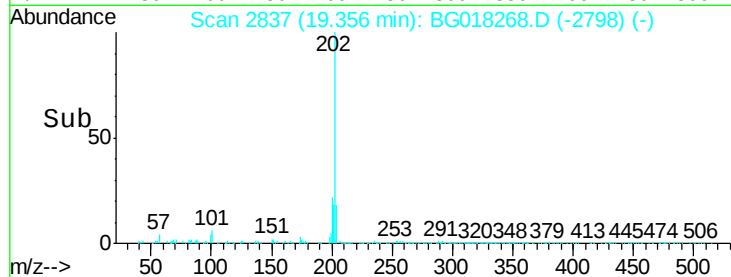
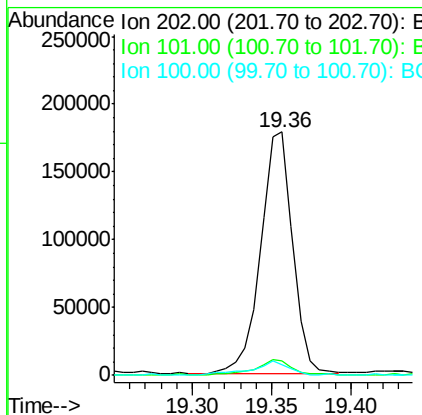
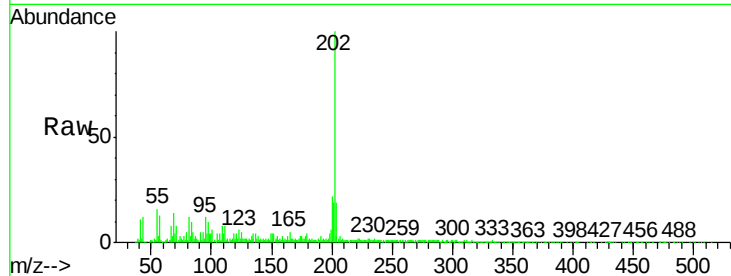
ClientSampleId :

C01P8

Tgt	Ion	Ratio	Resp	Lower	Upper
202	100		251011		
101	6.1	8.1	12.1#		
100	4.5	7.4	11.0#		

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#81

Butylbenzylphthalate

Concen: 16.87 ng/ul

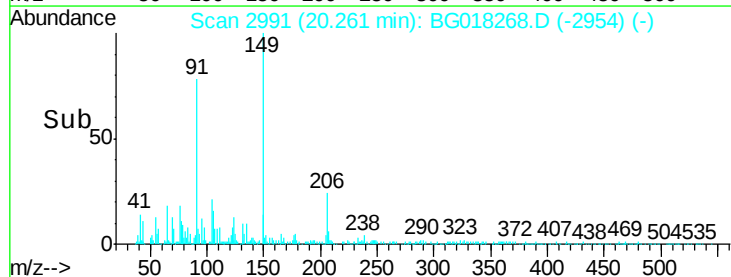
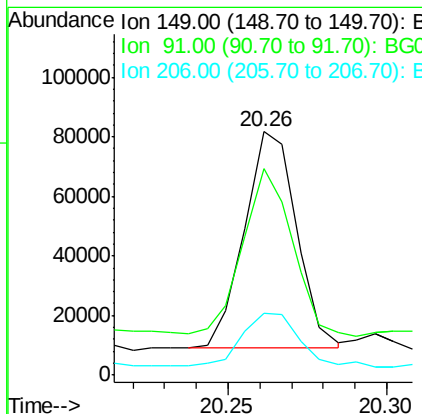
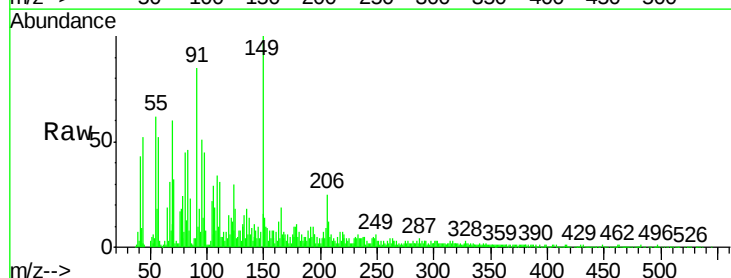
RT: 20.26 min Scan# 2991

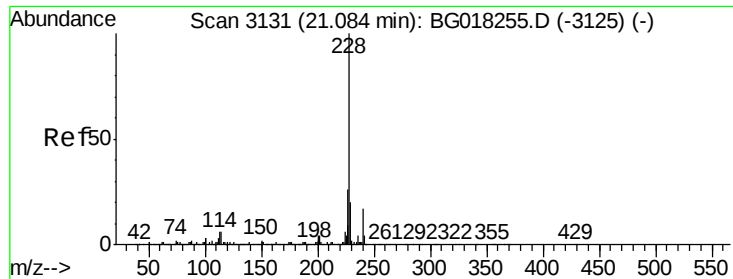
Delta R.T. 0.02 min

Lab File: BG018268.D

Acq: 5 Aug 2015 00:45

Tgt	Ion	Ratio	Resp	Lower	Upper
149	100		83371		
91	85.0	46.6	69.8#		
206	25.2	21.8	32.8		





#83

Benzo(a)anthracene

Concen: 17.88 ng/ul

RT: 21.11 min Scan# 3135

Delta R.T. 0.02 min

Lab File: BG018268.D

Acq: 5 Aug 2015 00:45

Instrument :

BNA_G

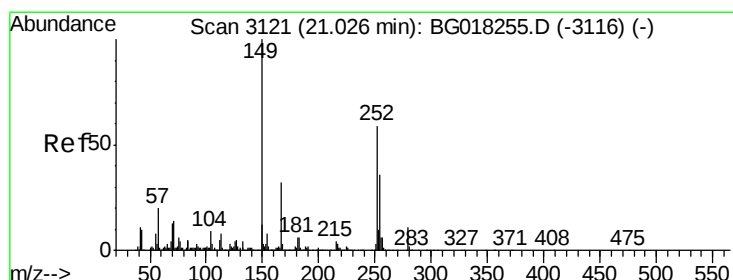
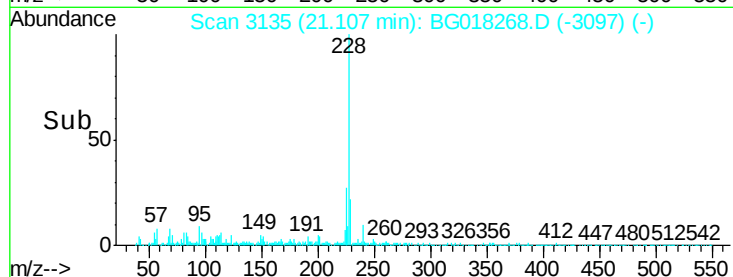
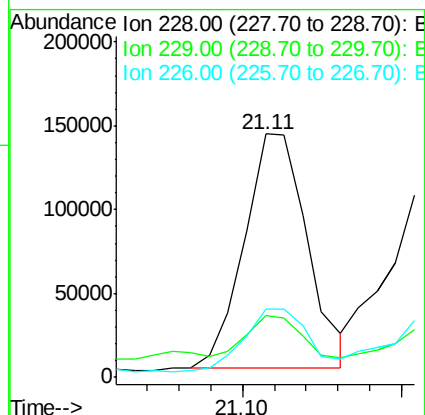
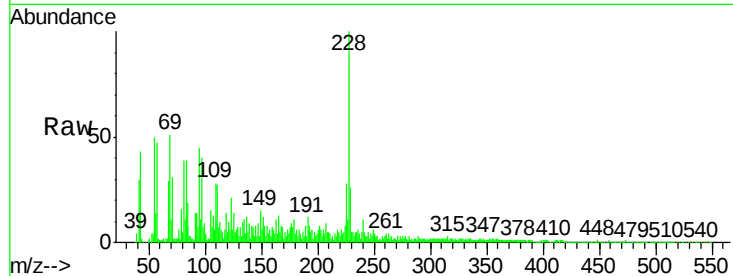
ClientSampleId :

C01P8

Tgt Ion	Ratio	Resp	Lower	Upper
228	100	193112		
229	25.6	16.5	24.7#	
226	28.1	21.5	32.3	

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#84

Bis(2-ethylhexyl)phthalate

Concen: 379.13 ng/ul

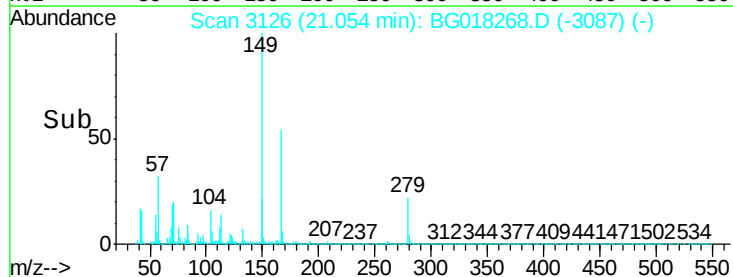
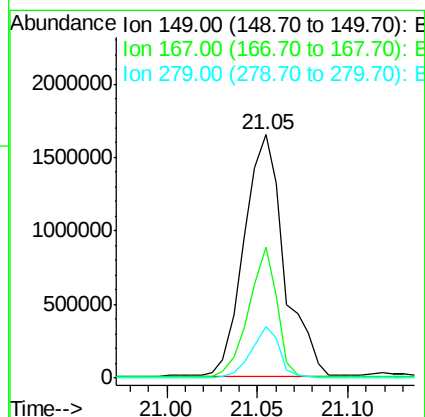
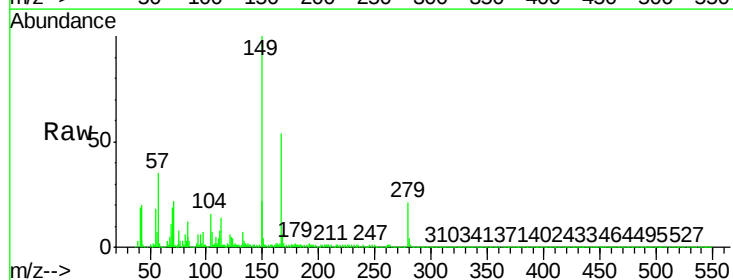
RT: 21.05 min Scan# 3126

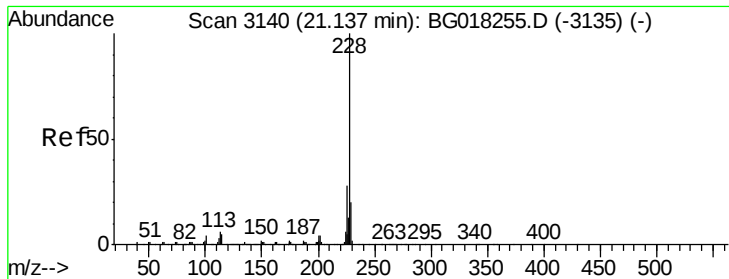
Delta R.T. 0.03 min

Lab File: BG018268.D

Acq: 5 Aug 2015 00:45

Tgt Ion	Ratio	Resp	Lower	Upper
149	100	2527271		
167	54.0	27.4	41.2#	
279	21.4	8.3	12.5#	





#85

Chrysene

Concen: 21.06 ng/ul

RT: 21.16 min Scan# 3144

Delta R.T. 0.02 min

Lab File: BG018268.D

Acq: 5 Aug 2015 00:45

Instrument :

BNA_G

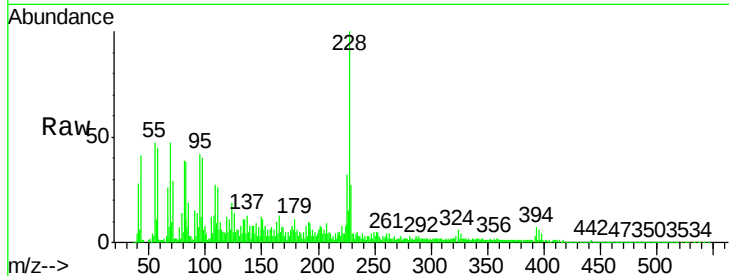
ClientSampleId :

C01P8

Tgt Ion	Ratio	Resp	Lower	Upper
228	100			
226	31.7	22.7	34.1	
229	26.6	16.2	24.2	

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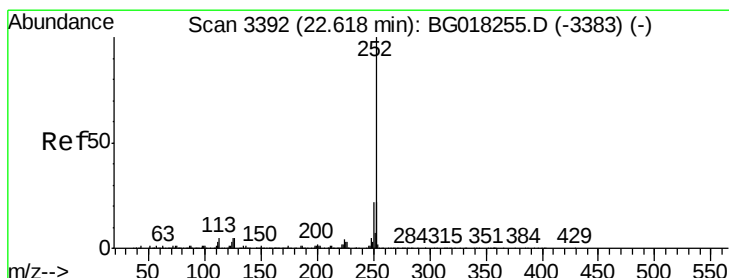
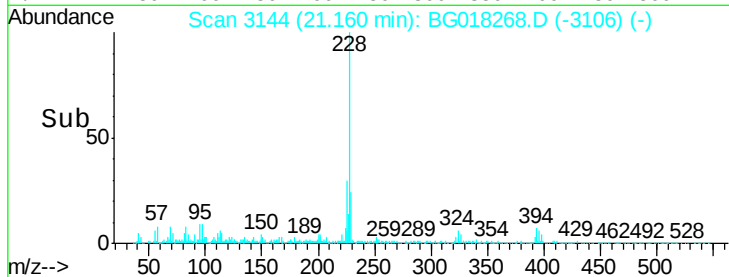
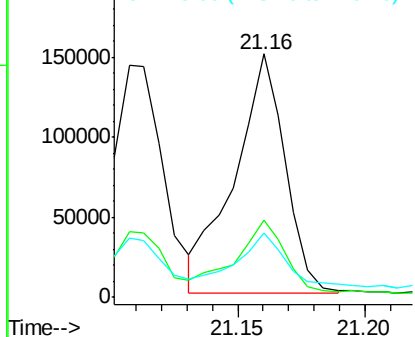


Abundance

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



#88

Benzo(b)fluoranthene

Concen: 30.39 ng/ul

RT: 22.67 min Scan# 3401

Delta R.T. 0.05 min

Lab File: BG018268.D

Acq: 5 Aug 2015 00:45

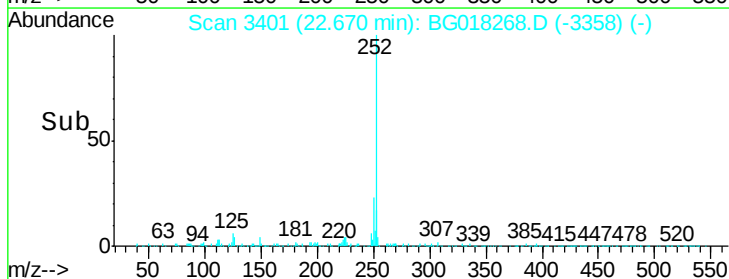
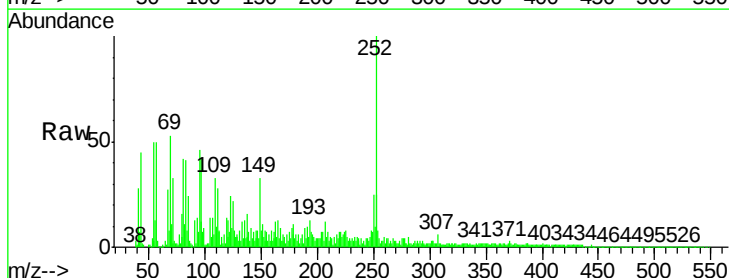
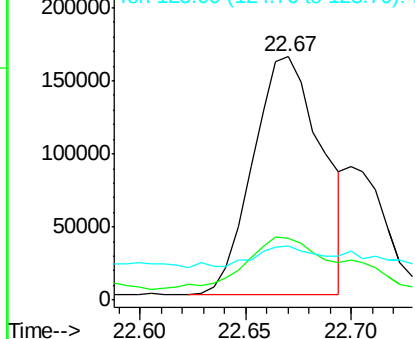
Tgt Ion	Ratio	Resp	Lower	Upper
252	100			
253	25.4	18.5	27.7	
125	22.1	7.4	11.0	

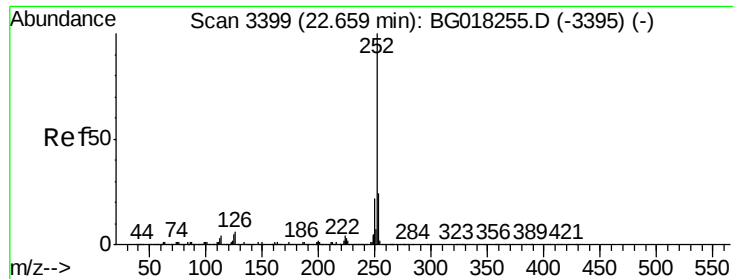
Abundance

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





#89

Benzo(k)fluoranthene

Concen: 11.35 ng/ul m

RT: 22.70 min Scan# 3406

Delta R.T. 0.04 min

Lab File: BG018268.D

Acq: 5 Aug 2015 00:45

Instrument :

BNA_G

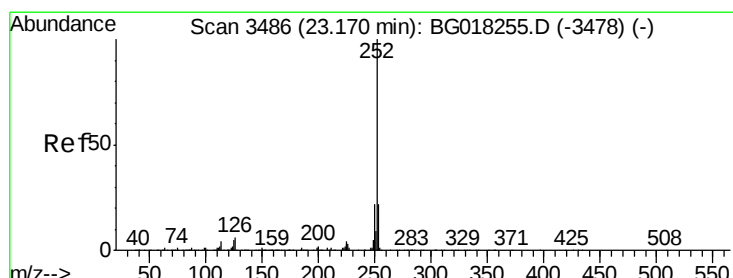
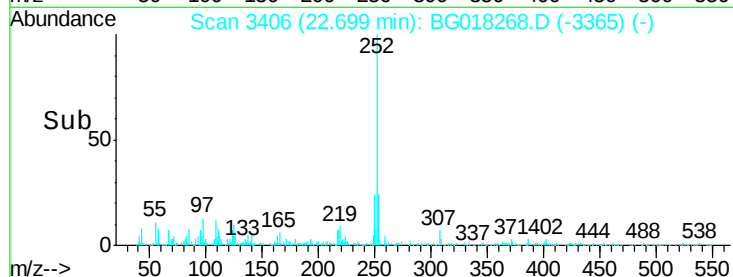
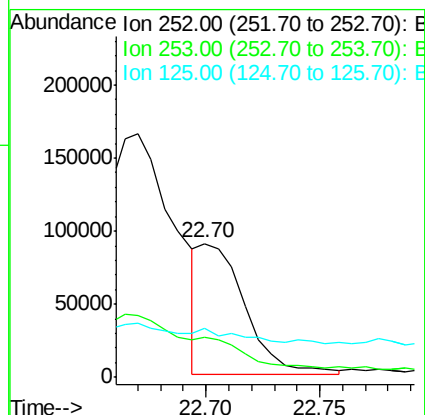
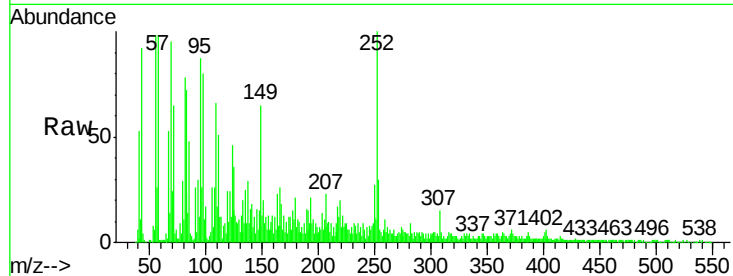
ClientSampleId :

C01P8

Tgt	Ion	Ratio	Lower	Upper
252	100			
253	30.0	18.2	27.2#	
125	36.2	7.5	11.3#	

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#91

Benzo(a)pyrene

Concen: 19.61 ng/ul

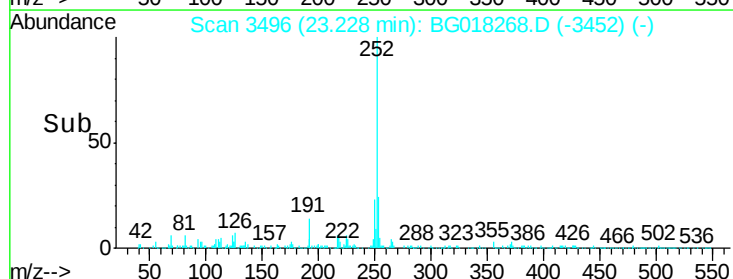
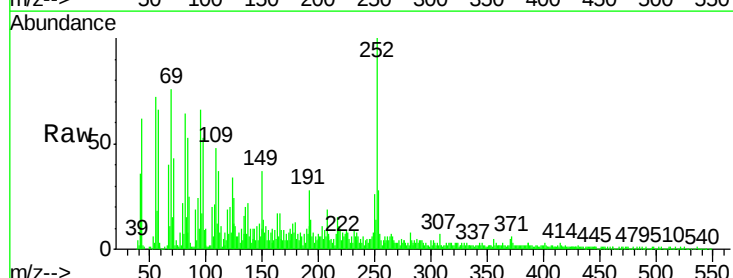
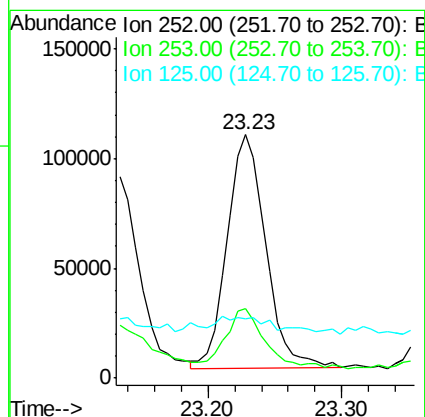
RT: 23.23 min Scan# 3496

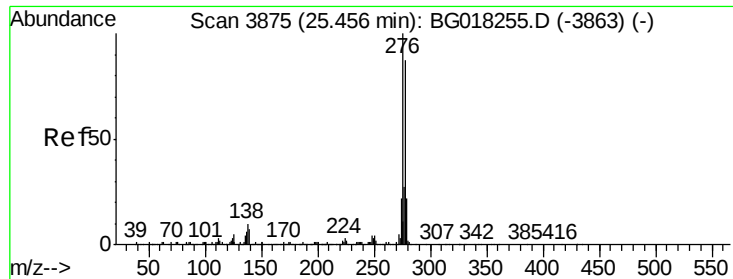
Delta R.T. 0.06 min

Lab File: BG018268.D

Acq: 5 Aug 2015 00:45

Tgt	Ion	Ratio	Lower	Upper
252	100			
253	28.3	17.4	26.2#	
125	24.2	7.3	10.9#	





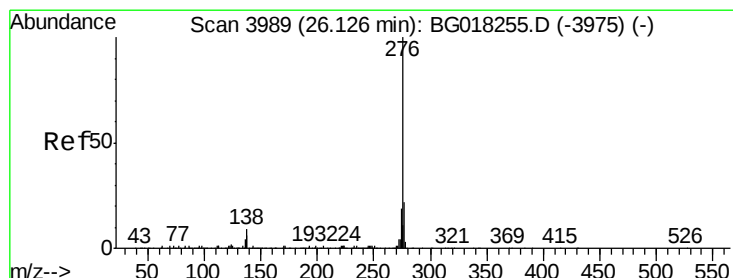
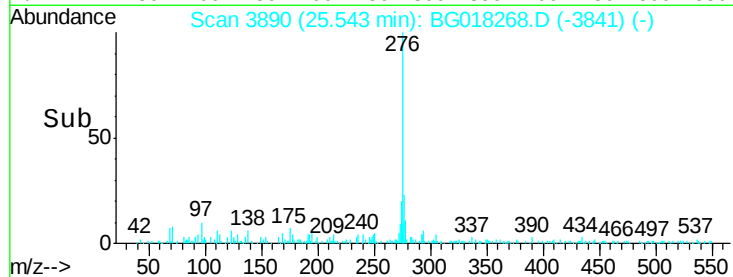
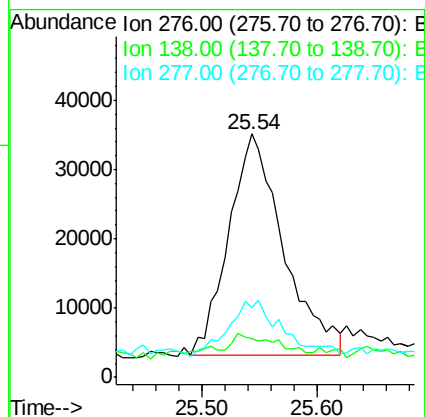
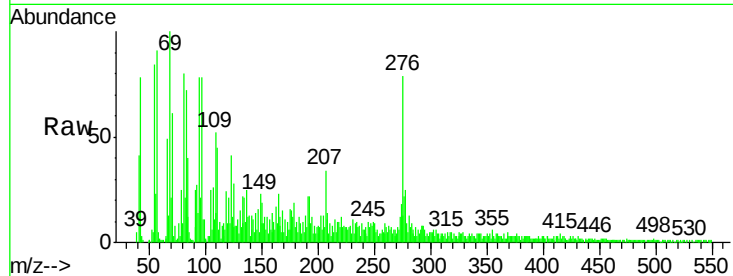
#92
 Indeno(1,2,3-cd)pyrene
 Concen: 8.40 ng/ul
 RT: 25.54 min Scan# 3890
 Delta R.T. 0.09 min
 Lab File: BG018268.D
 Acq: 5 Aug 2015 00:45

Instrument :
 BNA_G
 ClientSampleId :
 C01P8

Tgt Ion	Ratio	Lower	Upper
276	100		
138	15.7	17.2	25.8#
277	28.4	19.5	29.3

Manual Integrations
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#94
 Benzo(g,h,i)perylene
 Concen: 8.95 ng/ul
 RT: 26.23 min Scan# 4007
 Delta R.T. 0.10 min
 Lab File: BG018268.D
 Acq: 5 Aug 2015 00:45

Tgt Ion	Ratio	Lower	Upper
276	100		
138	19.9	15.1	22.7
277	29.3	19.8	29.6

