

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG073115\
 Data File : BG018205.D
 Acq On : 1 Aug 2015 5:48
 Operator : TP/UM
 Sample : G3065-18
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 C02L8

Manual Integrations
 APPROVED

MMDadoda
 8/4/2015 12:23:16 PM

Quant Time: Aug 04 16:31:31 2015
 Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG073115.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Sat Aug 01 07:09:30 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.48	152	60557	20.00	ng/ul	0.00
18) Naphthalene-d8	10.27	136	245202	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.16	164	129817	20.00	ng/ul	0.01
62) Phenanthrene-d10	16.93	188	282901	20.00	ng/ul	0.02
78) Chrysene-d12	21.17	240	463916	20.00	ng/ul	0.05
86) Perylene-d12	23.36	264	414031	20.00	ng/ul	0.07

System Monitoring Compounds

3) 1,4-Dioxane-d8	2.97	96	794	0.99	ng/uL	0.00
5) Phenol-d5	6.68	99	26765	4.92	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	6.83	67	18363	6.60	ng/ul	0.00
9) 2-Chlorophenol-d4	7.02	132	25121	6.11	ng/ul	0.00
13) 4-Methylphenol-d8	8.21	113	12129	2.74	ng/ul	0.00
19) Nitrobenzene-d5	8.64	128	14646	7.58	ng/ul	0.00
22) 2-Nitrophenol-d4	9.36	143	16096	7.26	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	9.90	165	24785	6.33	ng/ul	0.01
29) 4-Chloroaniline-d4	0.00	131	0d	0.00	ng/ul	
44) Dimethylphthalate-d6	13.57	166	78748	7.85	ng/ul	0.00
47) Acenaphthylene-d8	13.84	160	90350	7.77	ng/ul	0.00
52) 4-Nitrophenol-d4	0.00	143	0d	0.00	ng/ul	
58) Fluorene-d10	15.16	176	67497	7.44	ng/ul	0.01
63) 4,6-Dinitro-2-methylphenol	0.00	200	0d	0.00	ng/ul	
71) Anthracene-d10	17.02	188	100931	8.20	ng/ul	0.02
79) Pyrene-d10	19.37	212	155567	6.93	ng/ul	0.05
90) Benzo(a)pyrene-d12	23.22	264	159700	7.63	ng/ul	0.07

Target Compounds

					Qvalue
14) Acetophenone	8.30	105	12121	1.76 ng/ul#	74
28) Naphthalene	10.31	128	33323	2.82 ng/ul#	96
34) 2-Methylnaphthalene	11.94	142	17016	1.82 ng/ul	93
35) 1-Methylnaphthalene	12.17	142	12703	1.42 ng/ul#	93
50) Acenaphthene	14.23	153	28695	3.81 ng/ul	95
59) Fluorene	15.22	166	40841	4.18 ng/ul#	79
70) Phenanthrene	16.97	178	364657	25.37 ng/ul#	91
72) Anthracene	17.06	178	87048	6.09 ng/ul#	68
77) Fluoranthene	19.03	202	789699	50.03 ng/ul	97
80) Pyrene	19.40	202	949925	33.76 ng/ul#	95
83) Benzo(a)anthracene	21.15	228	355569	14.23 ng/ul#	81
84) Bis(2-ethylhexyl)phthalate	21.08	149	164988	10.70 ng/ul#	64
85) Chrysene	21.20	228	444742	19.43 ng/ul#	81
88) Benzo(b)fluoranthene	22.70	252	626510	25.19 ng/ul#	81
89) Benzo(k)fluoranthene	22.73	252	175850m	7.69 ng/ul	
91) Benzo(a)pyrene	23.26	252	353118	15.87 ng/ul#	85
92) Indeno(1,2,3-cd)pyrene	25.57	276	215571	8.37 ng/ul#	89
93) Dibenzo(a,h)anthracene	25.56	278	55087	2.50 ng/ul#	80
94) Benzo(g,h,i)perylene	26.24	276	198629	9.45 ng/ul#	93

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

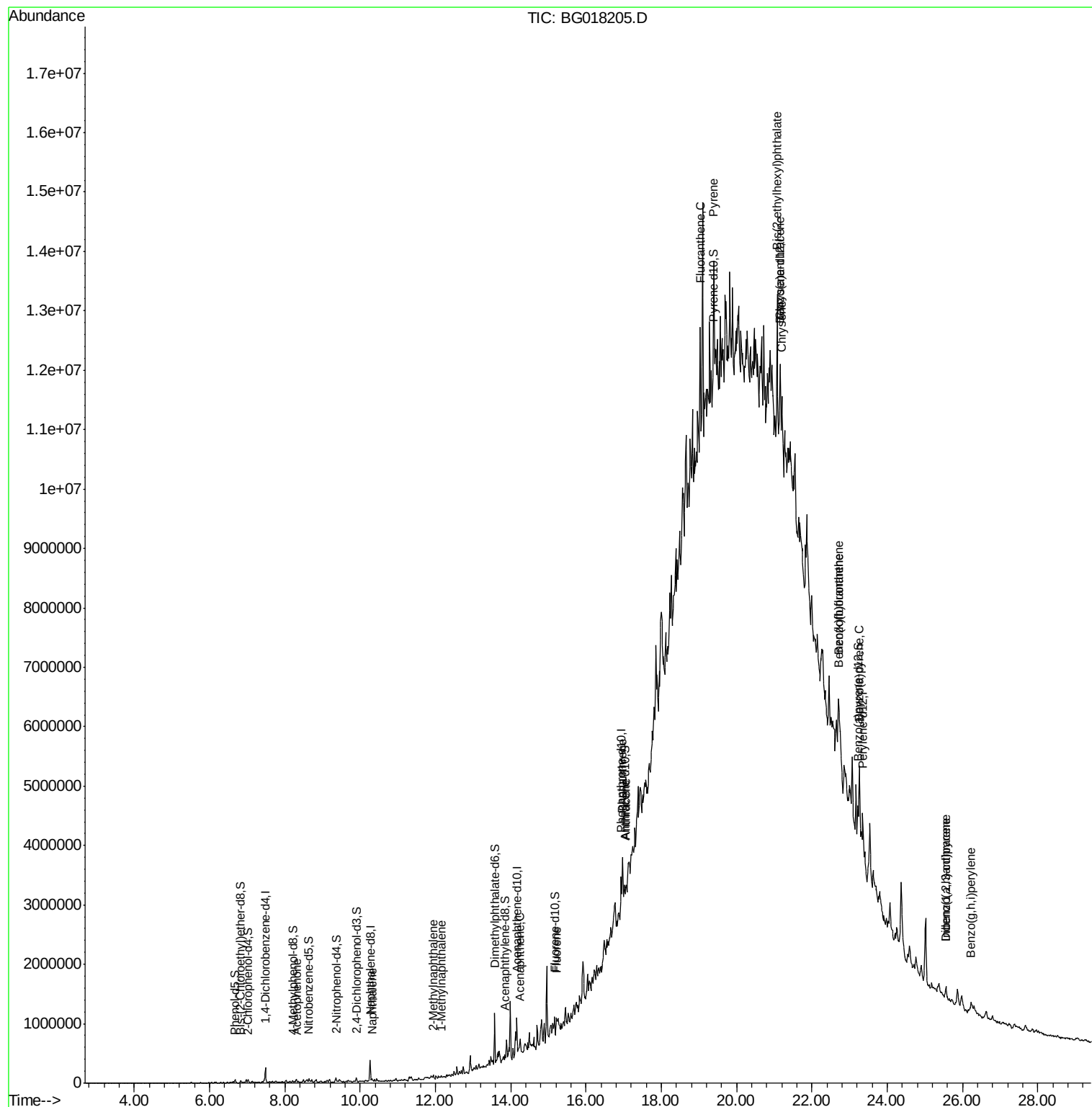
Data Path : Z:\HPCHEM1\BNA_G\DATA\BG073115\
Data File : BG018205.D
Acq On : 1 Aug 2015 5:48
Operator : TP/UM
Sample : G3065-18
Misc :
ALS Vial : 25 Sample Multiplier: 1

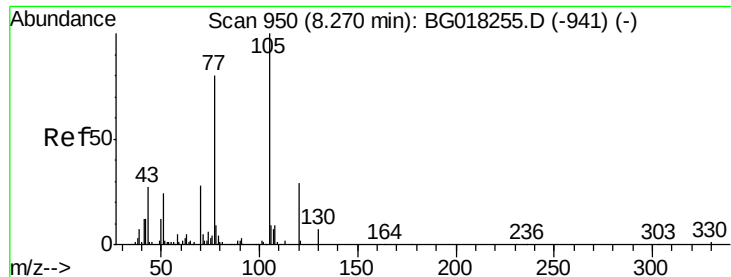
Instrument :
BNA_G
ClientSampled :
C02L8

Manual Integrations
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8/4/2015 12:23:16 PM

Quant Time: Aug 04 16:31:31 2015
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG073115.M
Quant Title : SVOA CALIBRATION
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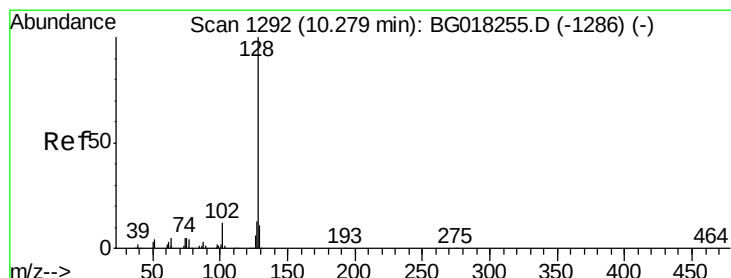
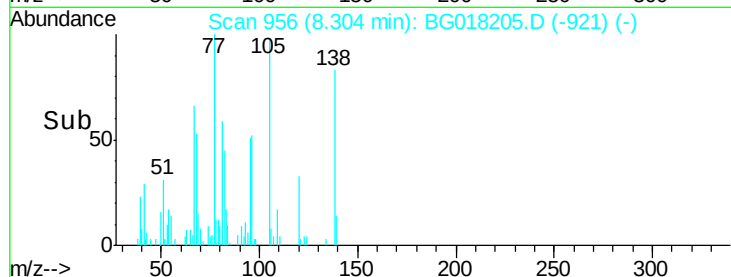
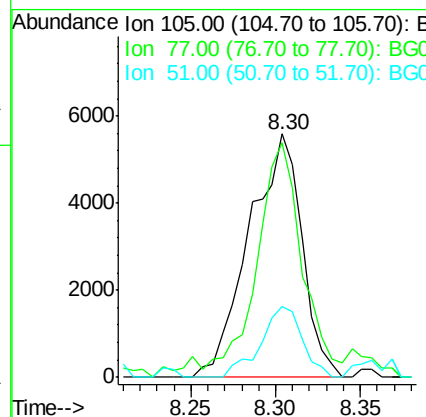
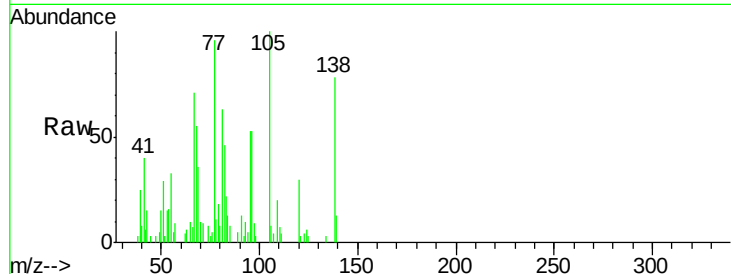
#14
Acetophenone
Concen: 1.76 ng/ul
RT: 8.30 min Scan# 956
Delta R.T. 0.00 min
Lab File: BG018205.D
Acq: 1 Aug 2015 5:48

Instrument :
BNA_G
ClientSampleId :
C02L8

Tgt Ion	Ratio	Resp Lower	Resp Upper
105	100		
77	96.2	58.4	87.6#
51	29.2	16.5	24.7#

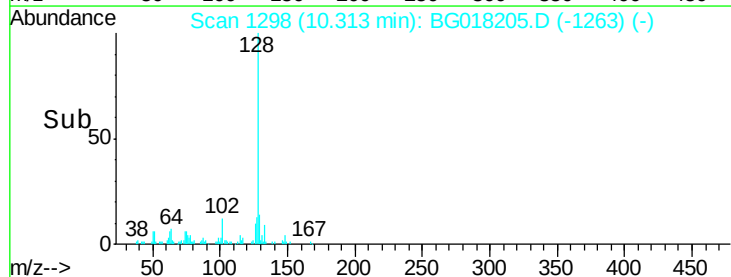
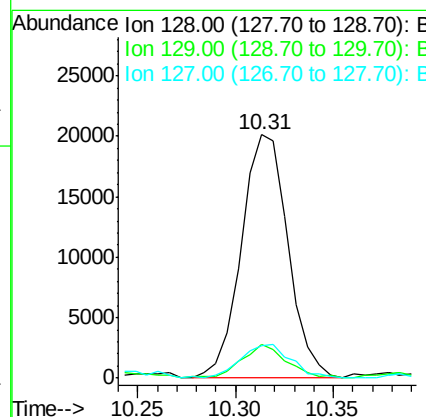
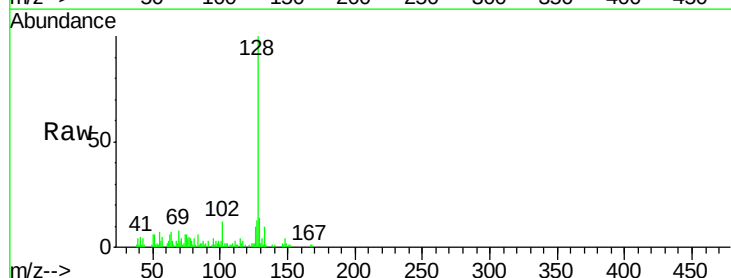
Manual Integrations
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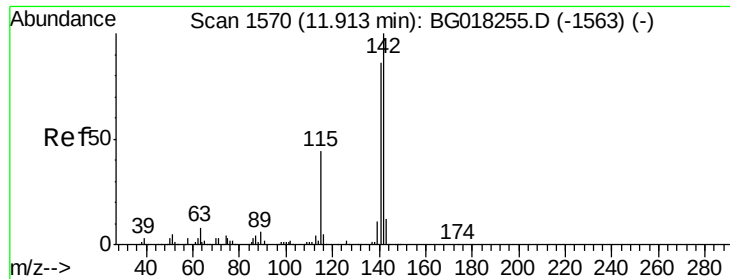
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#28
Naphthalene
Concen: 2.82 ng/ul
RT: 10.31 min Scan# 1298
Delta R.T. 0.00 min
Lab File: BG018205.D
Acq: 1 Aug 2015 5:48

Tgt Ion	Ratio	Resp Lower	Resp Upper
128	100		
129	13.9	9.1	13.7#
127	13.4	11.2	16.8





#34

2-Methylnaphthalene

Concen: 1.82 ng/ul

RT: 11.94 min Scan# 1575

Delta R.T. 0.00 min

Lab File: BG018205.D

Acq: 1 Aug 2015 5:48

Instrument :

BNA_G

ClientSampleId :

C02L8

Tgt Ion:142 Resp: 17016

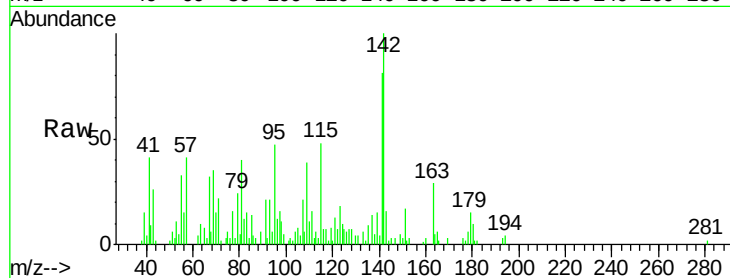
Ion Ratio Lower Upper

142 100

141 81.0 70.3 105.5

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Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

12000

10000

8000

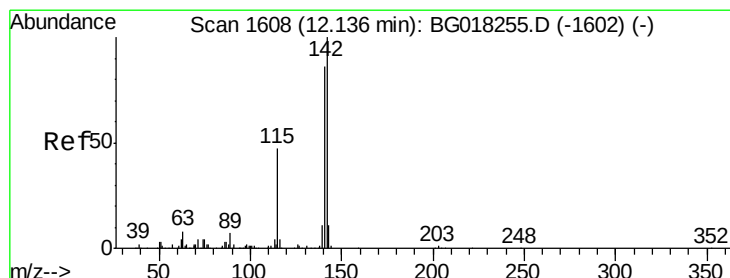
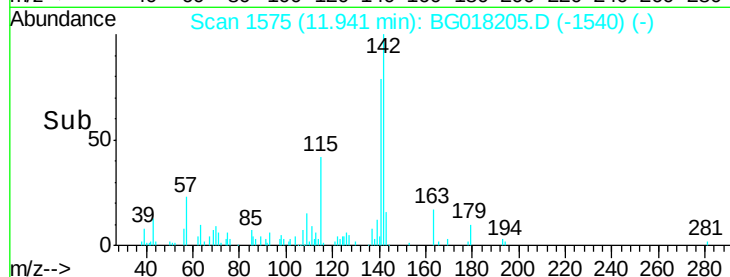
6000

4000

2000

0

Time--> 11.90 11.95



#35

1-Methylnaphthalene

Concen: 1.42 ng/ul

RT: 12.17 min Scan# 1614

Delta R.T. 0.00 min

Lab File: BG018205.D

Acq: 1 Aug 2015 5:48

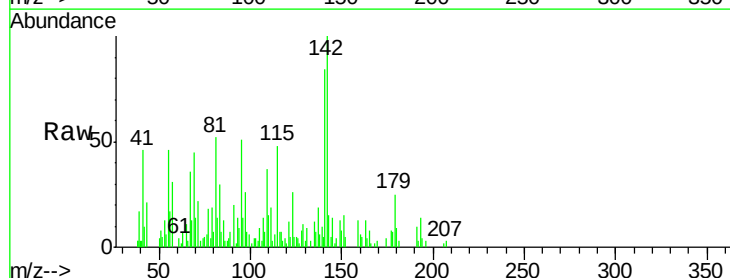
Tgt Ion:142 Resp: 12703

Ion Ratio Lower Upper

142 100

141 83.7 72.5 108.7

116 6.7 2.6 4.0#



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 116.00 (115.70 to 116.70): E

10000

8000

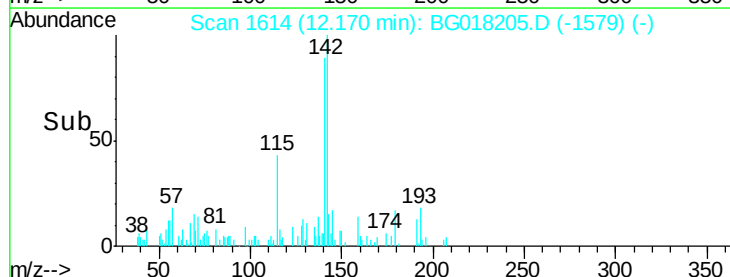
6000

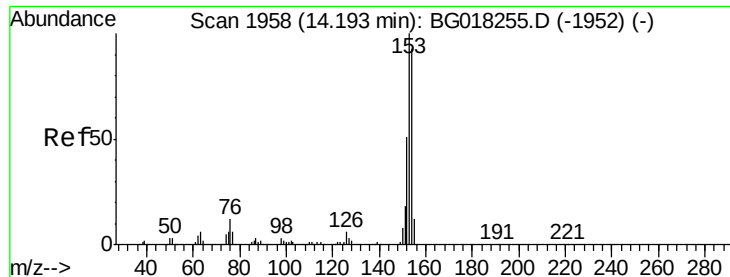
4000

2000

0

Time--> 12.10 12.15 12.20





#50

Acenaphthene

Concen: 3.81 ng/ul

RT: 14.23 min Scan# 1964

Delta R.T. 0.01 min

Lab File: BG018205.D

Acq: 1 Aug 2015 5:48

Instrument :

BNA_G

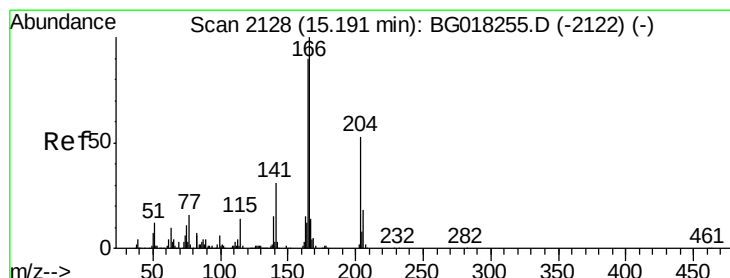
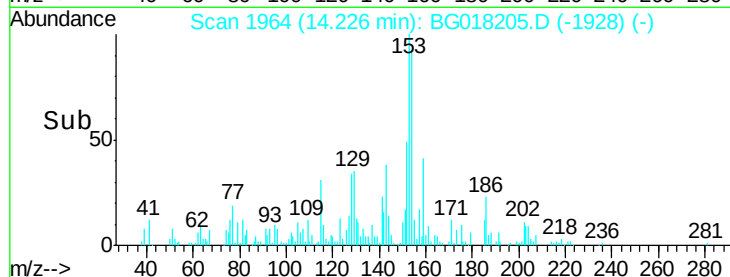
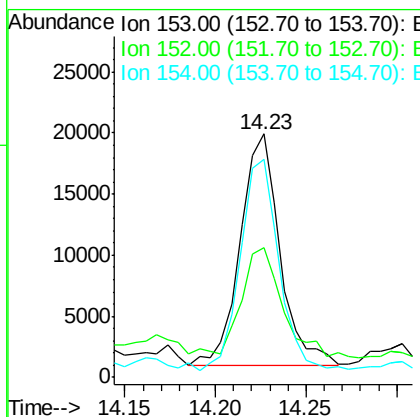
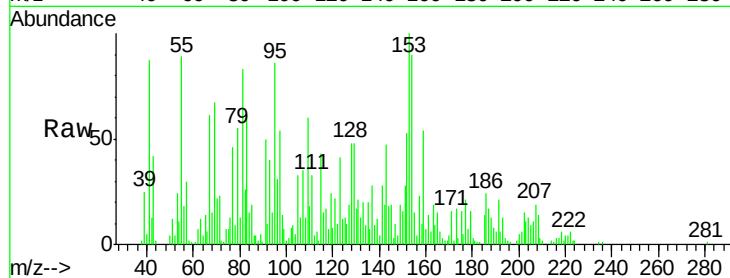
ClientSampleId :

C02L8

Tgt Ion:	153	Resp:	28695
Ion Ratio	Lower	Upper	
153	100		
152	53.4	38.7	58.1
154	89.7	74.8	112.2

Manual Integrations
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#59

Fluorene

Concen: 4.18 ng/ul

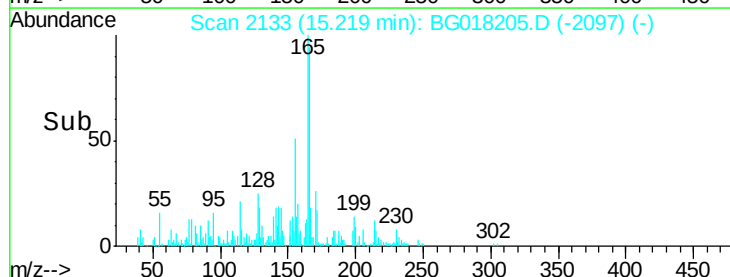
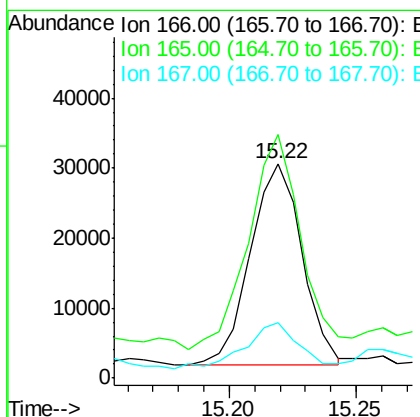
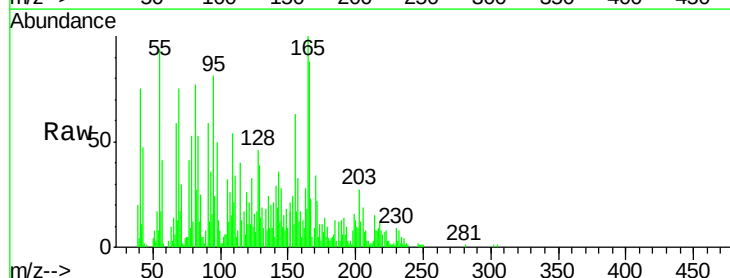
RT: 15.22 min Scan# 2133

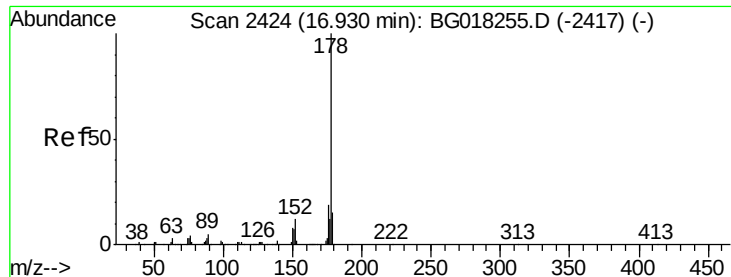
Delta R.T. 0.01 min

Lab File: BG018205.D

Acq: 1 Aug 2015 5:48

Tgt Ion:	166	Resp:	40841
Ion Ratio	Lower	Upper	
166	100		
165	113.4	75.1	112.7#
167	25.6	11.8	17.6#





#70

Phenanthrene

Concen: 25.37 ng/ul

RT: 16.97 min Scan# 2431

Delta R.T. 0.02 min

Lab File: BG018205.D

Acq: 1 Aug 2015 5:48

Instrument :

BNA_G

ClientSampleId :

C02L8

Tgt Ion:178 Resp: 364657
Ion Ratio Lower Upper

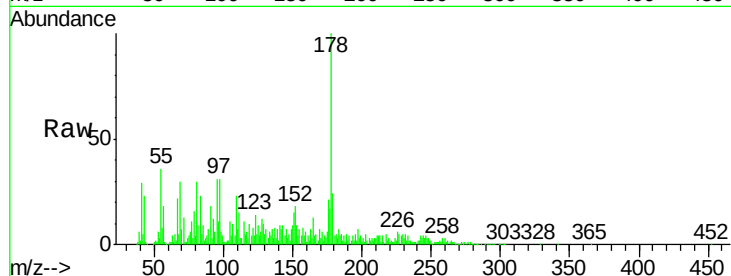
178 100

179 23.6 12.8 19.2#

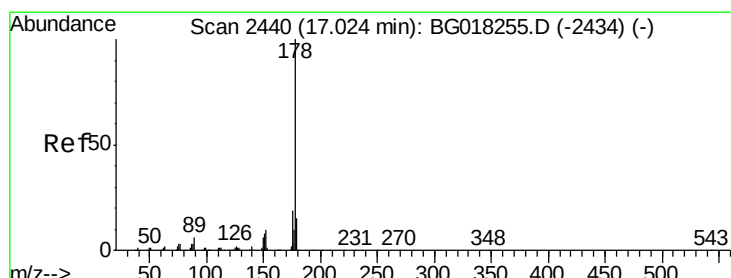
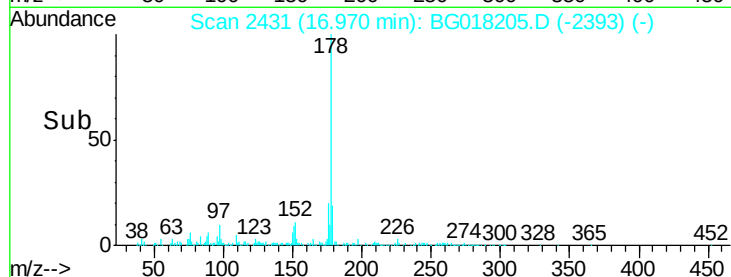
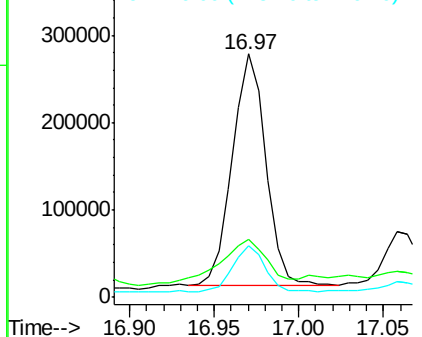
176 21.1 16.0 24.0

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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: 6.09 ng/ul

RT: 17.06 min Scan# 2446

Delta R.T. 0.02 min

Lab File: BG018205.D

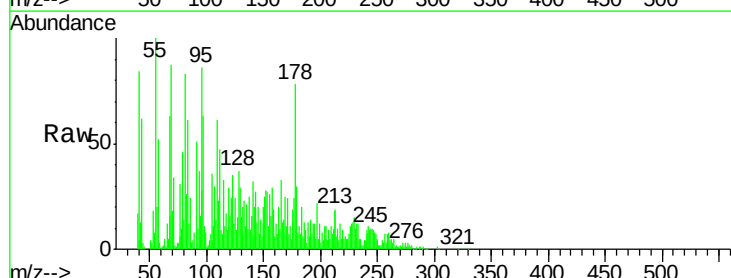
Acq: 1 Aug 2015 5:48

Tgt Ion:178 Resp: 87048
Ion Ratio Lower Upper

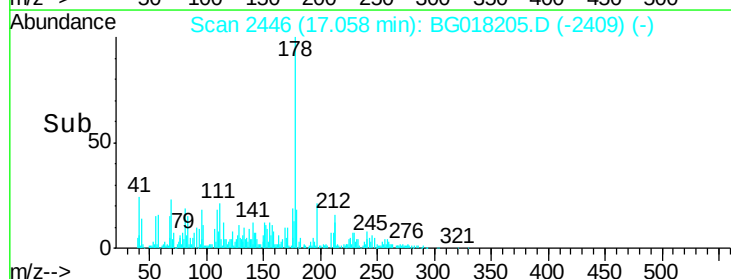
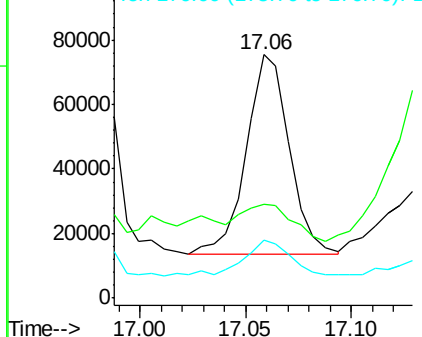
178 100

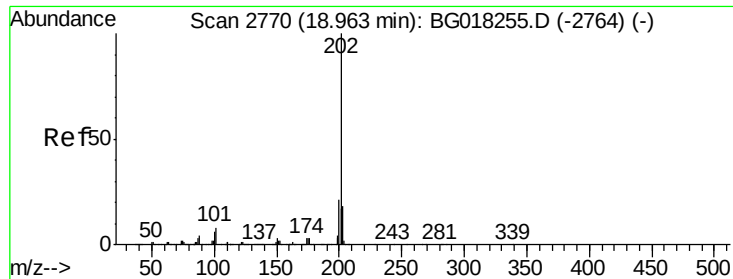
179 38.8 12.2 18.2#

176 23.9 14.8 22.2#



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





#77

Fluoranthene

Concen: 50.03 ng/ul

RT: 19.03 min Scan# 2781

Delta R.T. 0.05 min

Lab File: BG018205.D

Acq: 1 Aug 2015 5:48

Instrument :

BNA_G

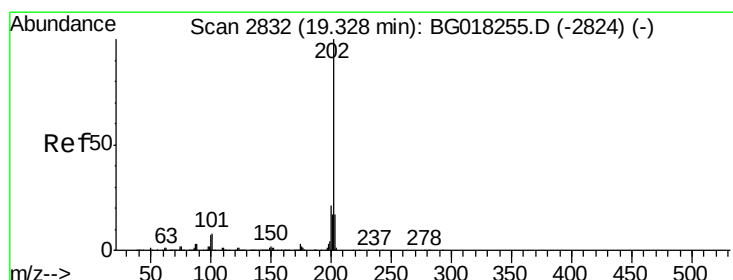
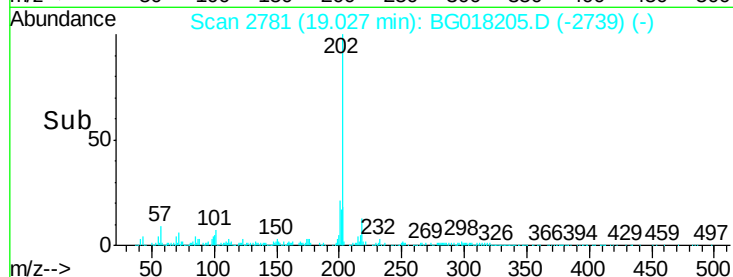
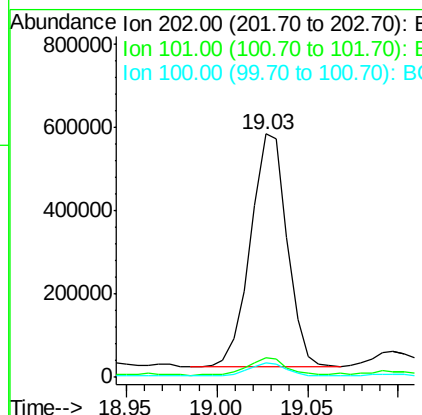
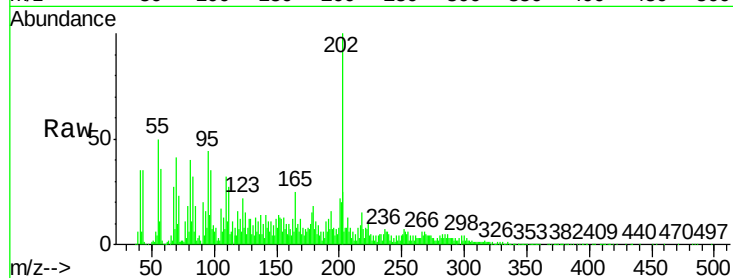
ClientSampleId :

C02L8

Tgt	Ion	Ratio	Resp	Lower	Upper
202	100		789699		
101	8.1	7.5	11.3		
100	6.0	5.5	8.3		

Manual Integrations
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#80

Pyrene

Concen: 33.76 ng/ul

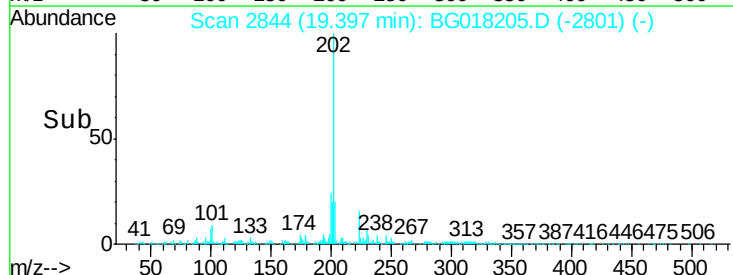
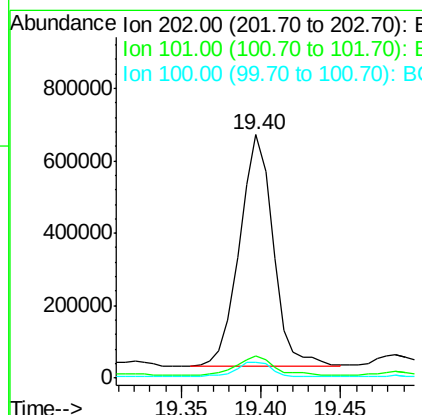
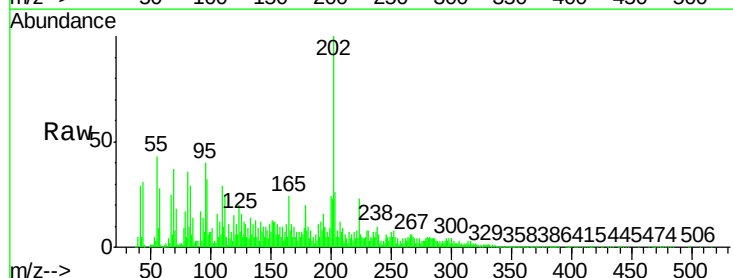
RT: 19.40 min Scan# 2844

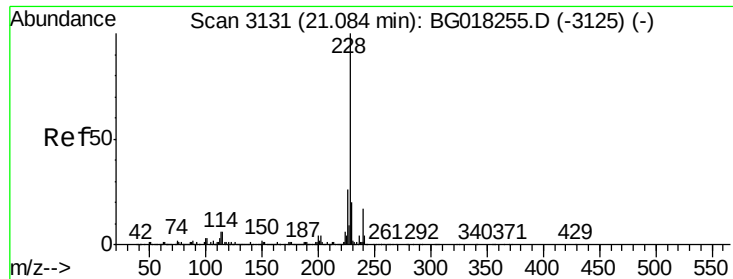
Delta R.T. 0.05 min

Lab File: BG018205.D

Acq: 1 Aug 2015 5:48

Tgt	Ion	Ratio	Resp	Lower	Upper
202	100		949925		
101	9.1	8.1	12.1		
100	6.7	7.4	11.0		





#83

Benzo(a)anthracene

Concen: 14.23 ng/ul

RT: 21.15 min Scan# 3142

Delta R.T. 0.05 min

Lab File: BG018205.D

Acq: 1 Aug 2015 5:48

Instrument :

BNA_G

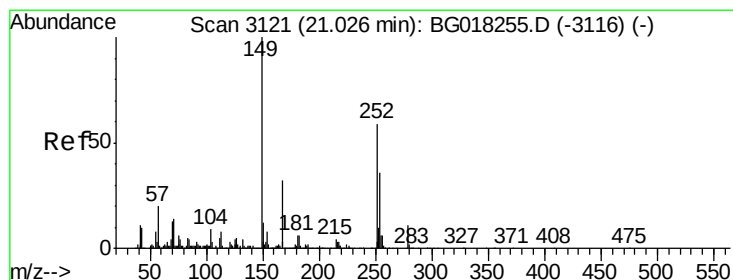
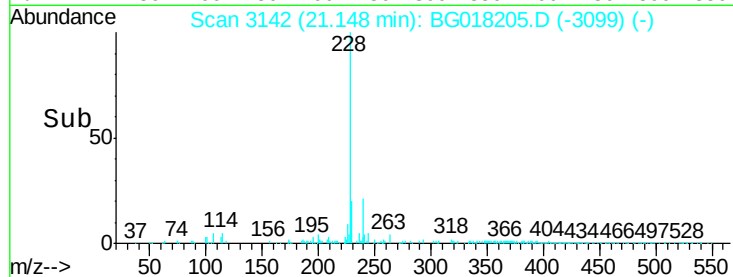
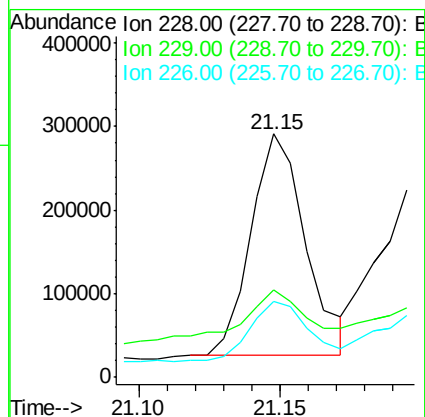
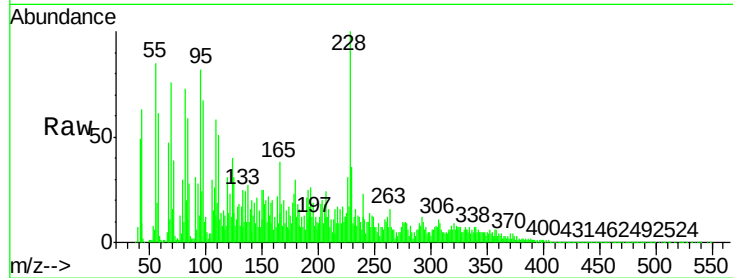
ClientSampleId :

C02L8

Tgt Ion	Ratio	Resp	Lower	Upper
228	100			
229	35.9	16.5	24.7#	
226	31.3	21.5	32.3	

Manual Integrations
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#84

Bis(2-ethylhexyl)phthalate

Concen: 10.70 ng/ul

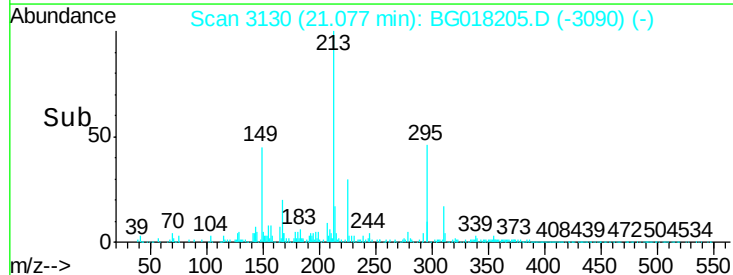
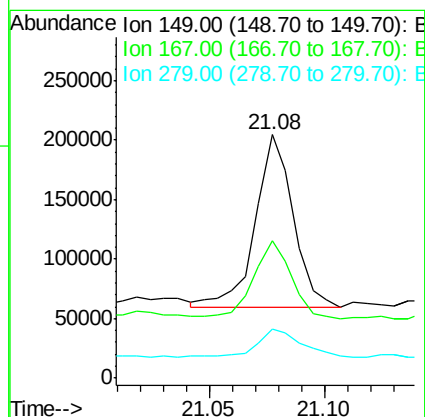
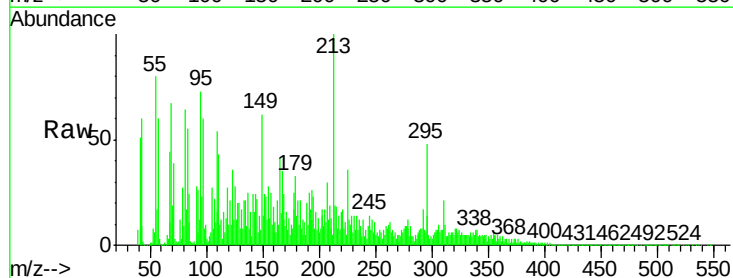
RT: 21.08 min Scan# 3130

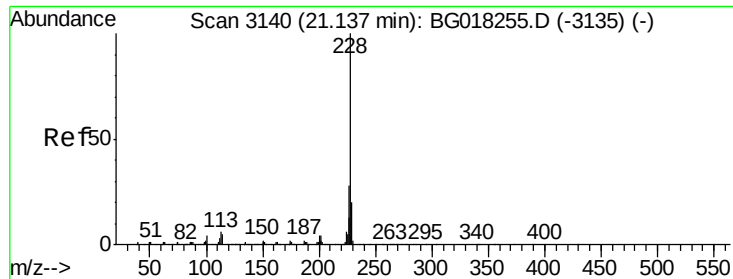
Delta R.T. 0.03 min

Lab File: BG018205.D

Acq: 1 Aug 2015 5:48

Tgt Ion	Ratio	Resp	Lower	Upper
149	100			
167	56.5	27.4	41.2#	
279	20.0	8.3	12.5#	





#85

Chrysene

Concen: 19.43 ng/ul

RT: 21.20 min Scan# 3151

Delta R.T. 0.05 min

Lab File: BG018205.D

Acq: 1 Aug 2015 5:48

Instrument :

BNA_G

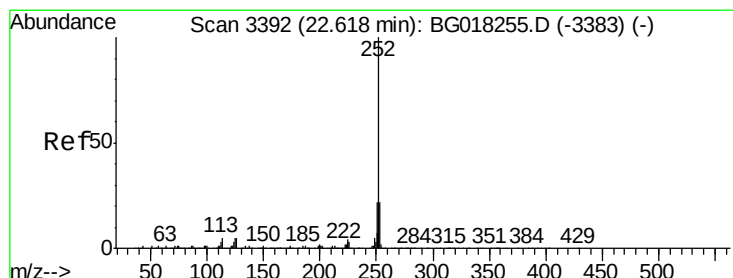
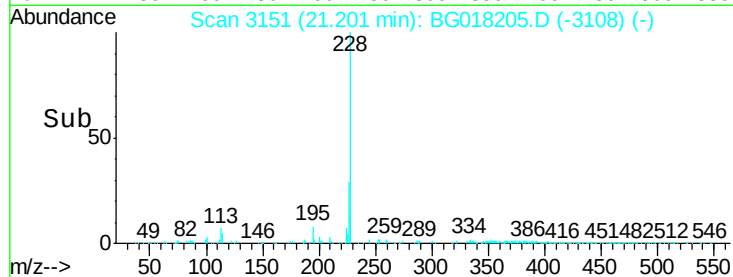
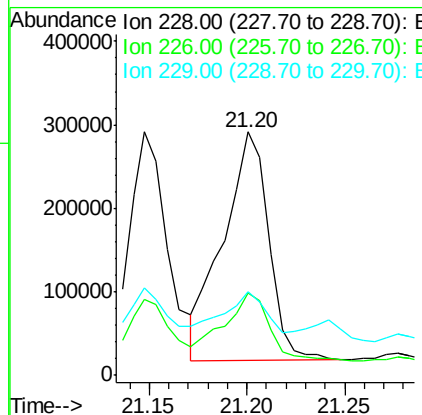
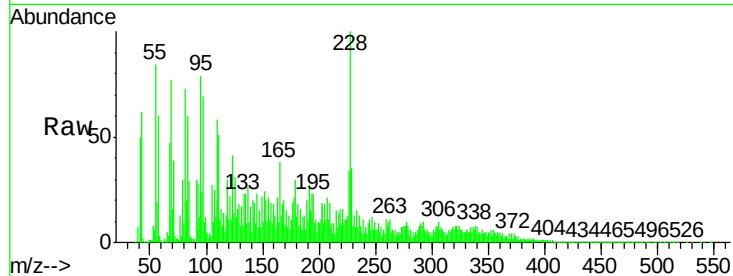
ClientSampleId :

C02L8

Tgt Ion:	228	Resp:	444742
Ion Ratio	Lower	Upper	
228	100		
226	33.6	22.7	34.1
229	34.5	16.2	24.2#

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#88

Benzo(b)fluoranthene

Concen: 25.19 ng/ul

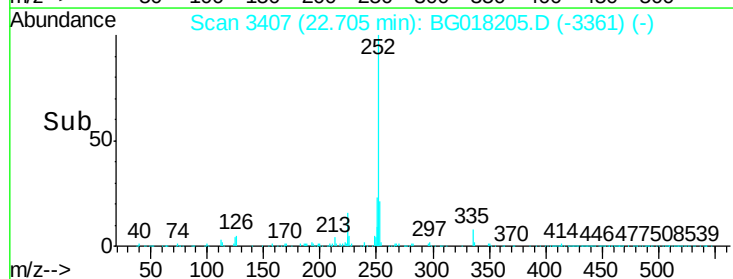
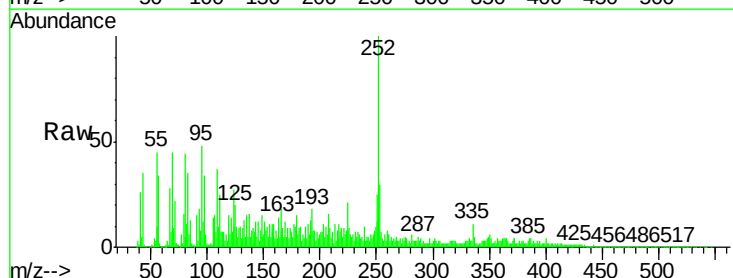
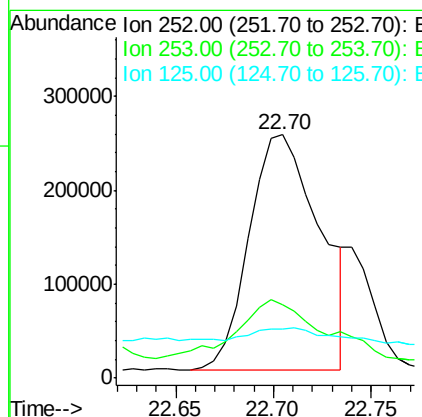
RT: 22.70 min Scan# 3407

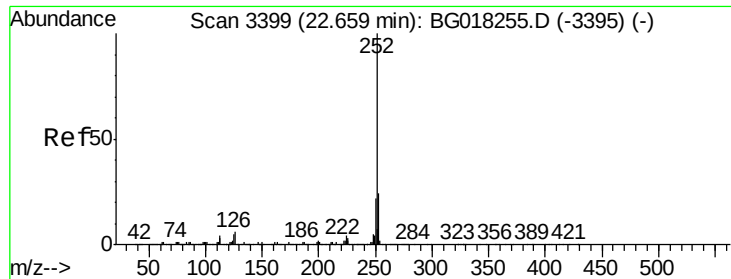
Delta R.T. 0.07 min

Lab File: BG018205.D

Acq: 1 Aug 2015 5:48

Tgt Ion:	252	Resp:	626510
Ion Ratio	Lower	Upper	
252	100		
253	30.1	18.5	27.7#
125	20.0	7.4	11.0#





#89

Benzo(k)fluoranthene

Concen: 7.69 ng/ul m

RT: 22.73 min Scan# 3411

Delta R.T. 0.05 min

Lab File: BG018205.D

Acq: 1 Aug 2015 5:48

Instrument :

BNA_G

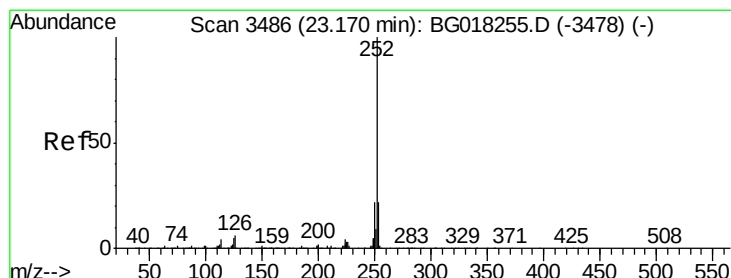
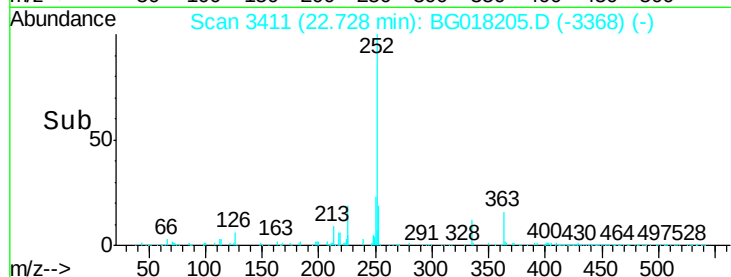
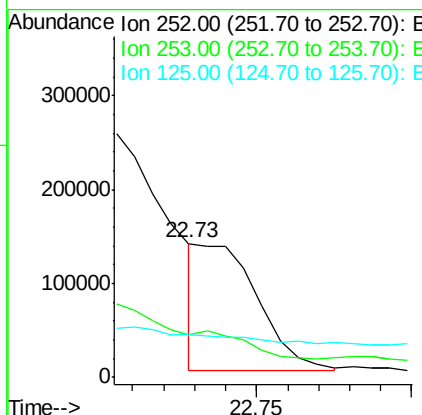
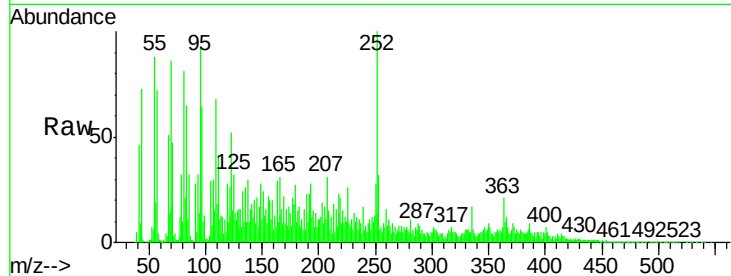
ClientSampleId :

C02L8

Tgt Ion	Ratio	Resp	Lower	Upper
252	100	175850		
253	32.1	18.2	27.2#	
125	31.7	7.5	11.3#	

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#91

Benzo(a)pyrene

Concen: 15.87 ng/ul

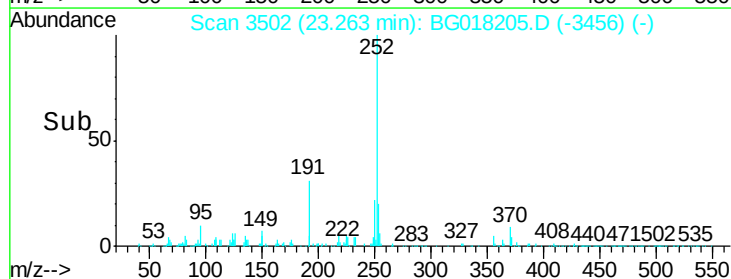
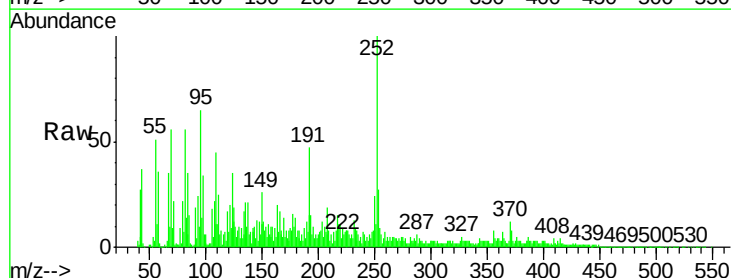
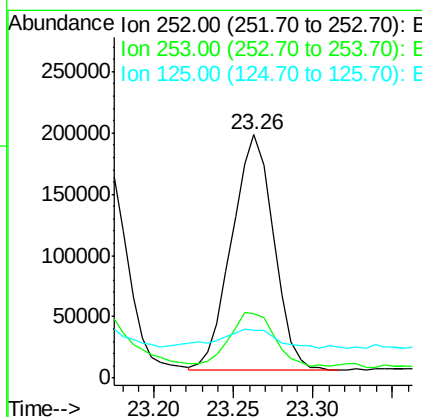
RT: 23.26 min Scan# 3502

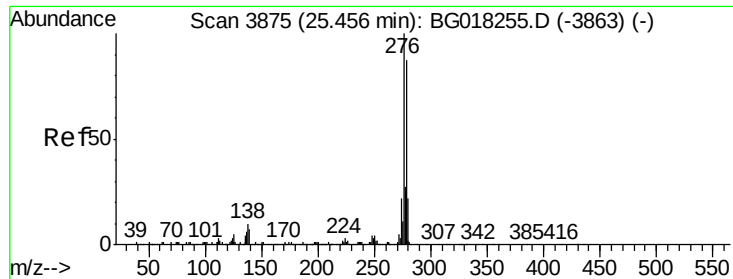
Delta R.T. 0.07 min

Lab File: BG018205.D

Acq: 1 Aug 2015 5:48

Tgt Ion	Ratio	Resp	Lower	Upper
252	100	353118		
253	26.5	17.4	26.2#	
125	19.4	7.3	10.9#	





#92

Indeno(1,2,3-cd)pyrene

Concen: 8.37 ng/ul

RT: 25.57 min Scan# 3894

Delta R.T. 0.09 min

Lab File: BG018205.D

Acq: 1 Aug 2015 5:48

Instrument :

BNA_G

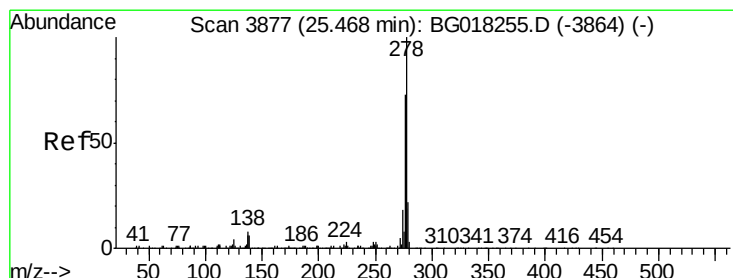
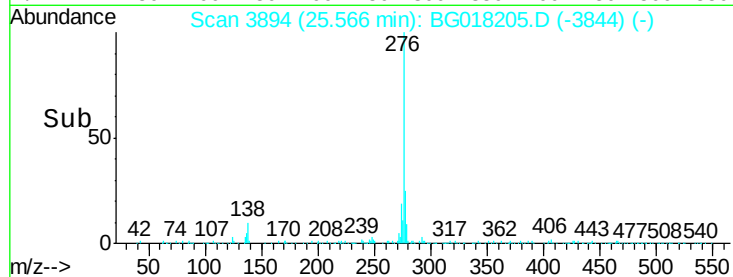
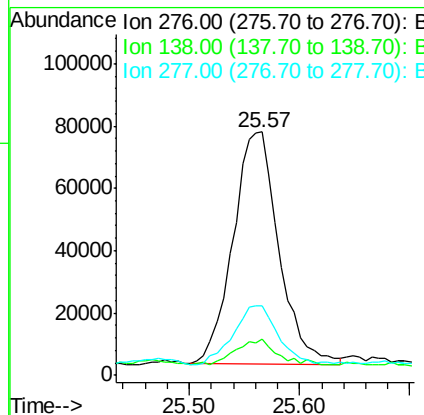
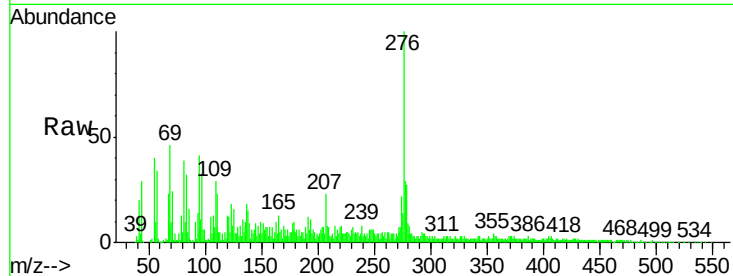
ClientSampleId :

C02L8

Tgt Ion:	276	Resp:	215571
Ion Ratio		Lower	Upper
276	100		
138	14.7	17.2	25.8#
277	28.5	19.5	29.3

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#93

Dibenzo(a,h)anthracene

Concen: 2.50 ng/ul

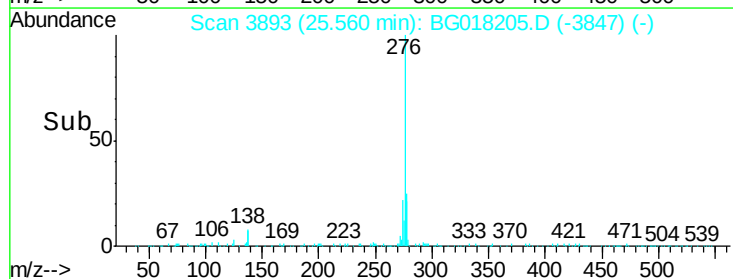
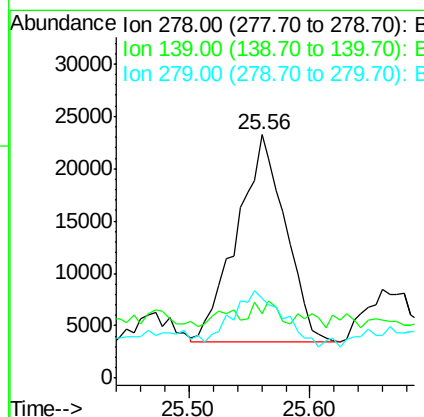
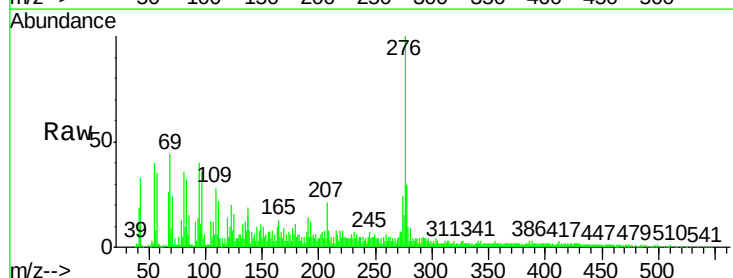
RT: 25.56 min Scan# 3893

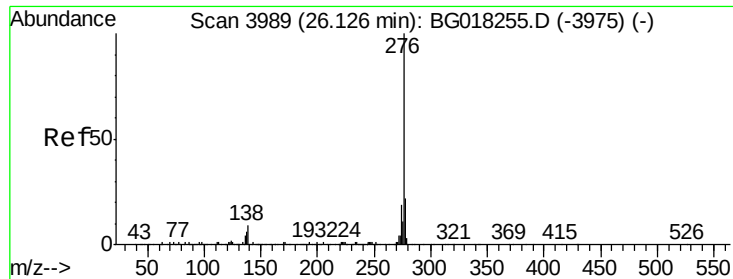
Delta R.T. 0.07 min

Lab File: BG018205.D

Acq: 1 Aug 2015 5:48

Tgt Ion:	278	Resp:	55087
Ion Ratio		Lower	Upper
278	100		
139	26.5	12.2	18.2#
279	32.9	20.0	30.0#





#94
 Benzo(g,h,i)perylene
 Concen: 9.45 ng/ul
 RT: 26.24 min Scan# 4008
 Delta R.T. 0.09 min
 Lab File: BG018205.D
 Acq: 1 Aug 2015 5:48

Instrument :
 BNA_G
 ClientSampleId :
 C02L8

Tgt	Ion	Ratio	Resp	Lower	Upper
276	100		198629		
138	14.1	15.1	22.7#		
277	26.5	19.8	29.6		

Manual Integrations
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