

Data Path : Z:\HPCHEM1\BNA_G\Data\BG080415\
 Data File : BG018260.D
 Acq On : 4 Aug 2015 19:30
 Operator : UM/TP
 Sample : G3109-11
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 C02L4

Manual Integrations
 APPROVED

MMDadoda
 8/7/2015 4:40:16 PM

Quant Time: Aug 14 03:03:02 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	7.45	152	45380	20.00	ng/ul	0.00
18) Naphthalene-d8	10.23	136	196336	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.13	164	126115	20.00	ng/ul	0.00
62) Phenanthrene-d10	16.89	188	243316	20.00	ng/ul	0.00
78) Chrysene-d12	21.10	240	163531	20.00	ng/ul	0.00
86) Perylene-d12	23.28	264	154451	20.00	ng/ul	0.02

System Monitoring Compounds

3) 1,4-Dioxane-d8	2.93	96	1136	1.89	ng/uL	0.00
5) Phenol-d5	6.66	99	54505	13.36	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	6.79	67	26874	12.88	ng/ul	0.00
9) 2-Chlorophenol-d4	6.99	132	44815	14.54	ng/ul	0.00
13) 4-Methylphenol-d8	8.18	113	25002	7.52	ng/ul	0.00
19) Nitrobenzene-d5	8.61	128	23298	15.06	ng/ul	0.00
22) 2-Nitrophenol-d4	9.32	143	28319	15.96	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	9.87	165	47695	15.20	ng/ul	0.00
29) 4-Chloroaniline-d4	10.39	131	5044	1.29	ng/ul	0.00
44) Dimethylphthalate-d6	13.55	166	153552	15.76	ng/ul	0.00
47) Acenaphthylene-d8	13.82	160	185260	16.39	ng/ul	0.00
52) 4-Nitrophenol-d4	14.38	143	19688	10.92	ng/ul	0.00
58) Fluorene-d10	15.13	176	139308	15.80	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.28	200	22413	13.19	ng/ul	0.00
71) Anthracene-d10	16.99	188	179308	16.95	ng/ul	0.00
79) Pyrene-d10	19.30	212	148149	18.73	ng/ul	0.00
90) Benzo(a)pyrene-d12	23.15	264	126517	16.20	ng/ul	0.02

Target Compounds

						Qvalue
28) Naphthalene	10.28	128	49470	5.23	ng/ul	99
34) 2-Methylnaphthalene	11.91	142	12627	1.69	ng/ul	99
45) Dimethylphthalate	13.59	163	60405	6.23	ng/ul	99
48) Acenaphthylene	13.85	152	34178	3.05	ng/ul#	96
50) Acenaphthene	14.19	153	71289	9.75	ng/ul	97
54) Dibenzofuran	14.53	168	52697	4.79	ng/ul#	73
59) Fluorene	15.19	166	80549	8.48	ng/ul	97
70) Phenanthrene	16.94	178	1068429	86.44	ng/ul	99
72) Anthracene	17.02	178	238309	19.38	ng/ul	97
75) Carbazole	17.30	167	100955	9.88	ng/ul	100
76) Di-n-butylphthalate	17.87	149	17938	1.32	ng/ul#	91
77) Fluoranthene	18.98	202	1683316m	123.99	ng/ul	
80) Pyrene	19.34	202	1563425	157.62	ng/ul#	94
83) Benzo(a)anthracene	21.09	228	699437	79.42	ng/ul	98
84) Bis(2-ethylhexyl)phthalate	21.03	149	15029	2.76	ng/ul#	96
85) Chrysene	21.14	228	672331	83.34	ng/ul	96
88) Benzo(b)fluoranthene	22.65	252	1109038	119.53	ng/ul#	96
89) Benzo(k)fluoranthene	22.68	252	349976m	41.04	ng/ul	
91) Benzo(a)pyrene	23.20	252	796762	95.98	ng/ul#	92
92) Indeno(1,2,3-cd)pyrene	25.50	276	542824	56.53	ng/ul#	87
93) Dibenzo(a,h)anthracene	25.50	278	148052	18.00	ng/ul#	85
94) Benzo(g,h,i)perylene	26.18	276	492255	62.77	ng/ul#	89

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Instrument :
BNA_G
ClientSampleId :
C02L4

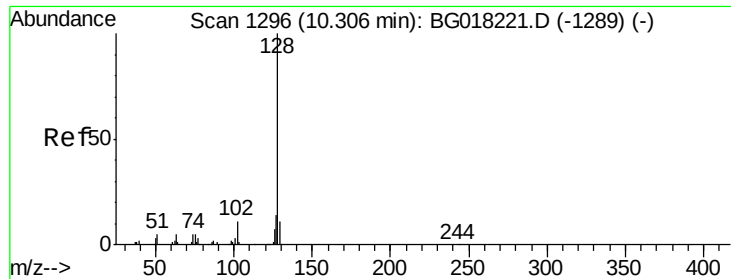
Manual Integrations
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8/7/2015 4:40:16 PM

Quant Time: Aug 14 03:03:02 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



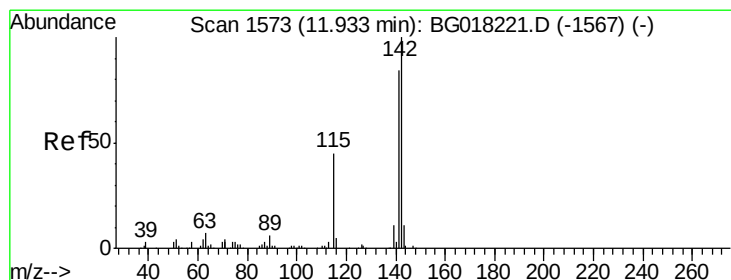
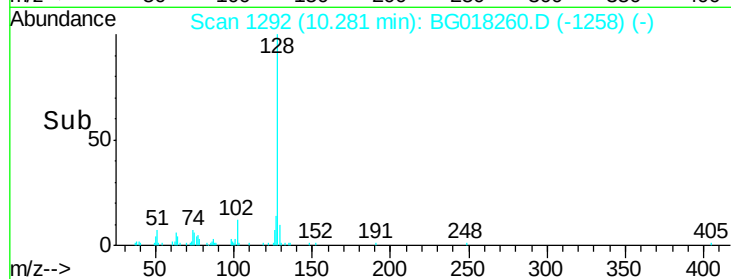
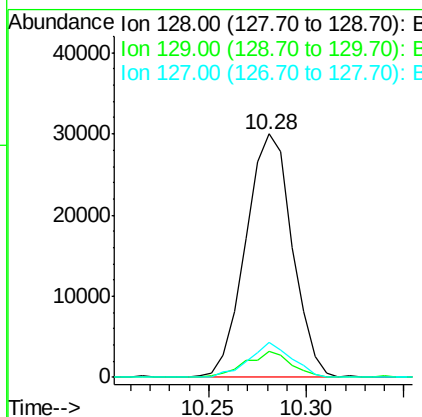
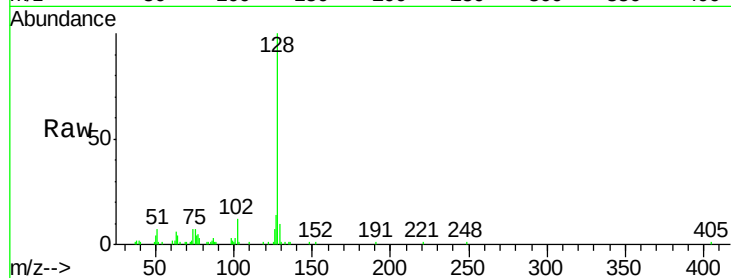
#28
Naphthalene
Concen: 5.23 ng/ul
RT: 10.28 min Scan# 1292
Delta R.T. 0.00 min
Lab File: BG018260.D
Acq: 4 Aug 2015 19:30

Instrument :
BNA_G
ClientSampleId :
C02L4

Tgt Ion	Ratio	Lower	Upper
128	100		
129	10.5	9.1	13.7
127	14.2	11.2	16.8

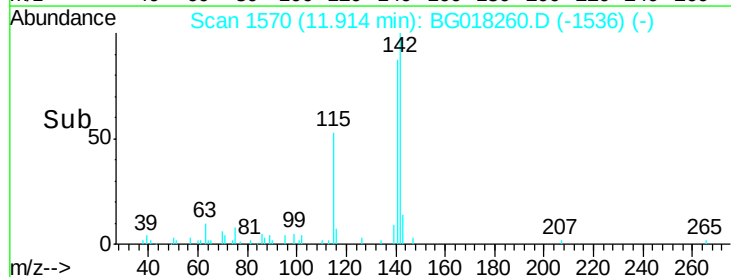
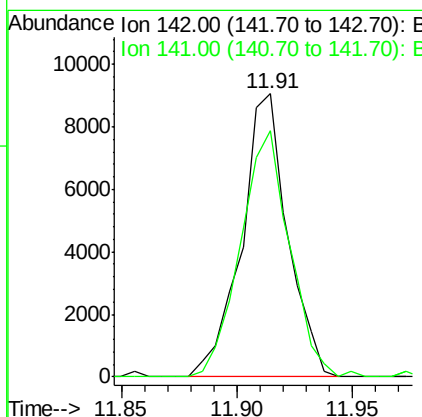
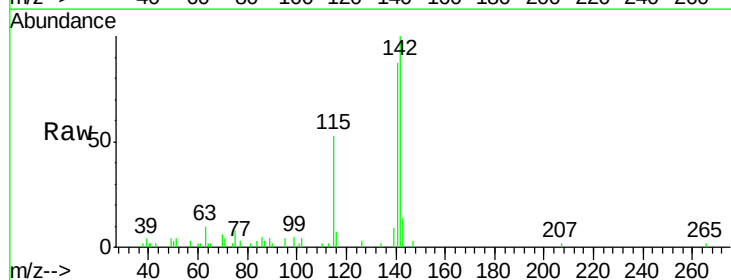
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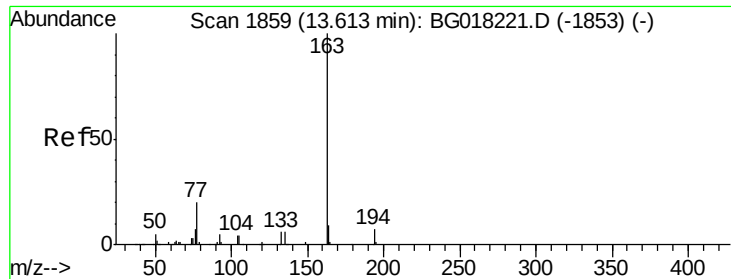
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#34
2-Methylnaphthalene
Concen: 1.69 ng/ul
RT: 11.91 min Scan# 1570
Delta R.T. 0.00 min
Lab File: BG018260.D
Acq: 4 Aug 2015 19:30

Tgt Ion	Ratio	Lower	Upper
142	100		
141	86.8	70.3	105.5





#45

Dimethylphthalate

Concen: 6.23 ng/ul

RT: 13.59 min Scan# 1856

Delta R.T. 0.00 min

Lab File: BG018260.D

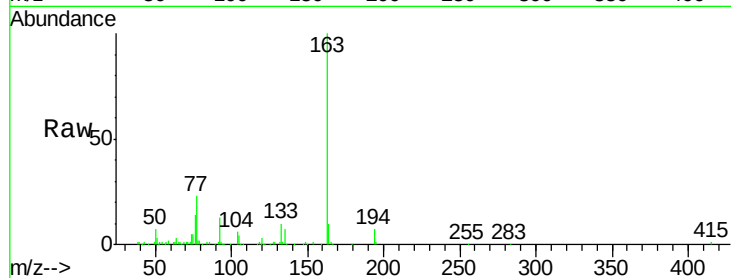
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Instrument :

BNA_G

ClientSampleId :

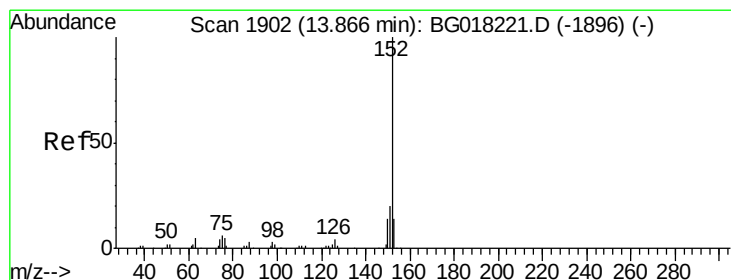
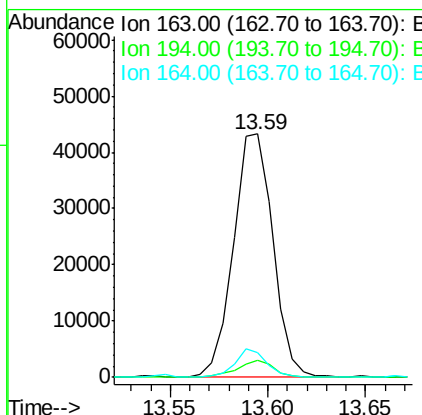
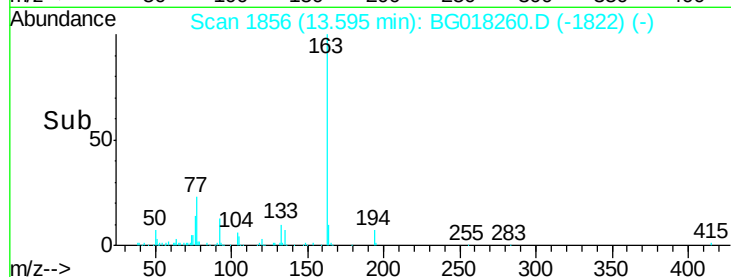
C02L4



Tgt Ion:	163	Resp:	60405
Ion Ratio	Lower	Upper	
163	100		
194	6.8	5.2	7.8
164	10.3	8.4	12.6

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#48

Acenaphthylene

Concen: 3.05 ng/ul

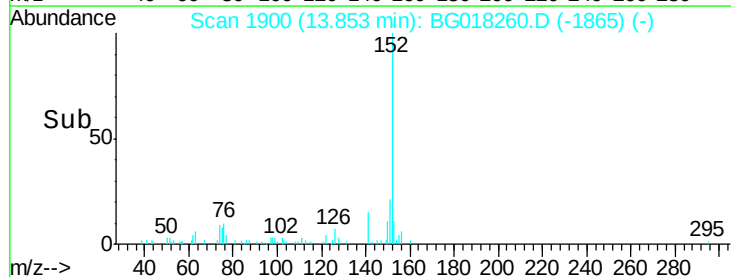
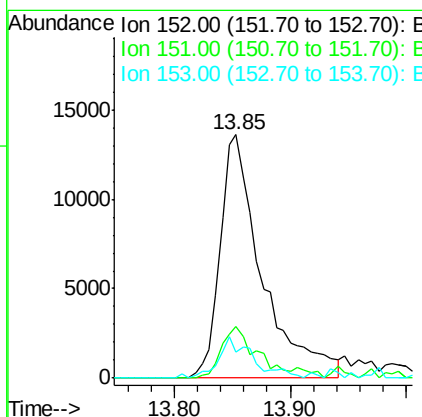
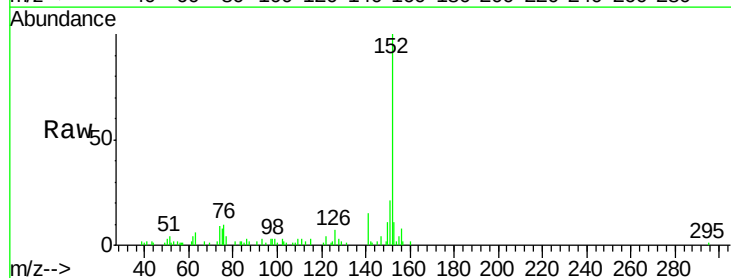
RT: 13.85 min Scan# 1900

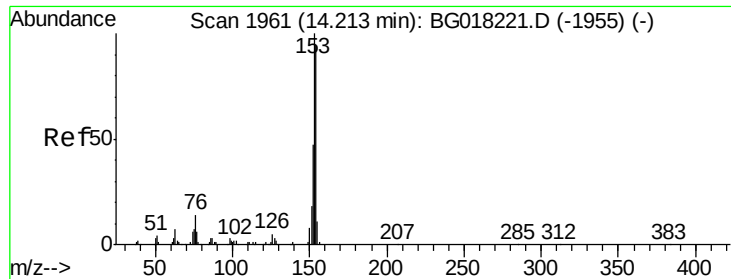
Delta R.T. 0.01 min

Lab File: BG018260.D

Acq: 4 Aug 2015 19:30

Tgt Ion:	152	Resp:	34178
Ion Ratio	Lower	Upper	
152	100		
151	21.0	16.0	24.0
153	10.6	11.0	16.4#





#50

Acenaphthene

Concen: 9.75 ng/ul

RT: 14.19 min Scan# 1958

Delta R.T. 0.00 min

Lab File: BG018260.D

Acq: 4 Aug 2015 19:30

Instrument :

BNA_G

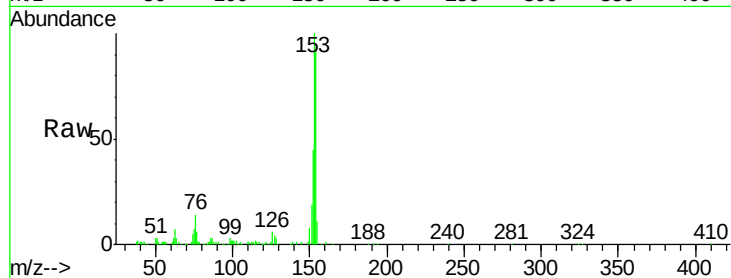
ClientSampleId :

C02L4

Tgt Ion:	153	Resp:	71289
Ion Ratio	Lower	Upper	
153	100		
152	45.2	38.7	58.1
154	91.5	74.8	112.2

Manual Integrations
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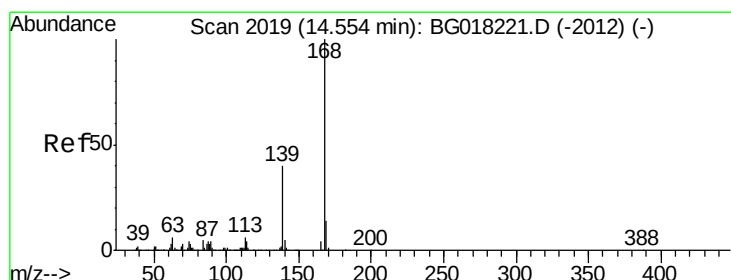
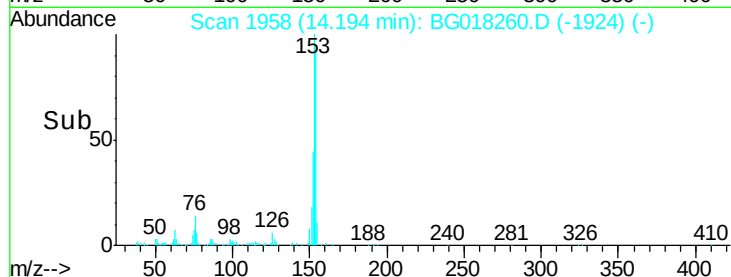
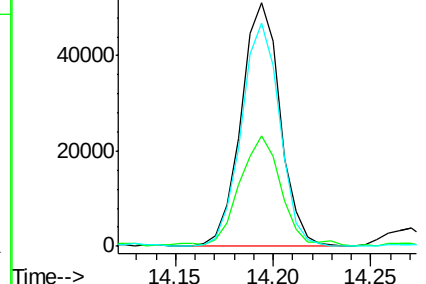
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Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E



#54

Dibenzofuran

Concen: 4.79 ng/ul

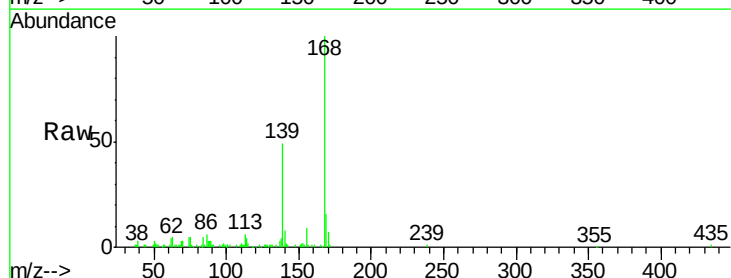
RT: 14.53 min Scan# 2016

Delta R.T. 0.00 min

Lab File: BG018260.D

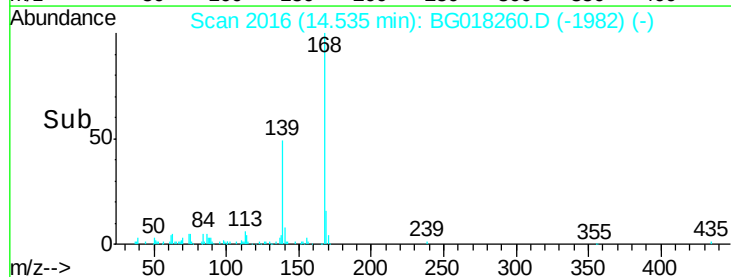
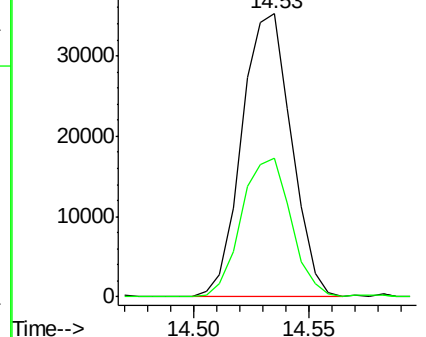
Acq: 4 Aug 2015 19:30

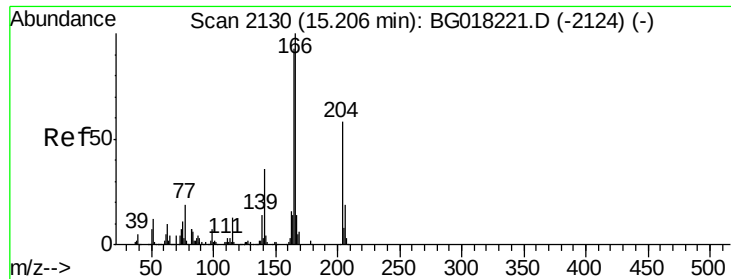
Tgt Ion:	168	Resp:	52697
Ion Ratio	Lower	Upper	
168	100		
139	48.8	26.8	40.2#



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E





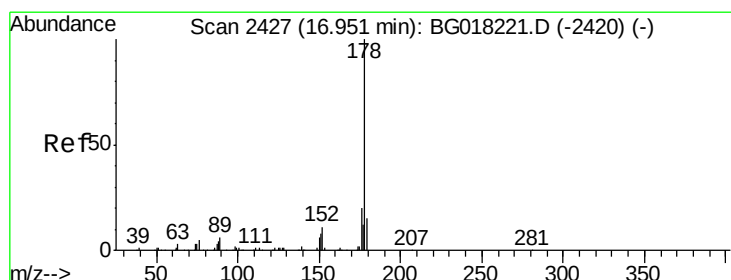
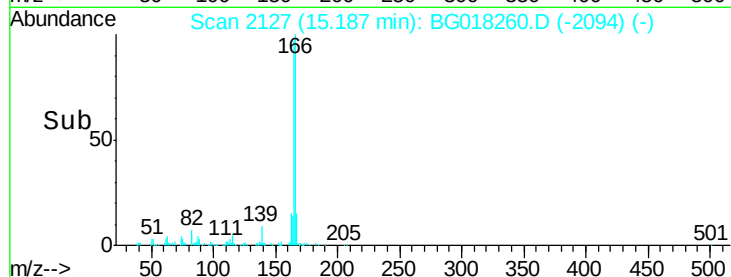
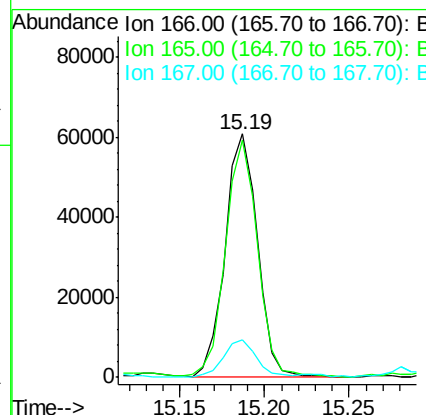
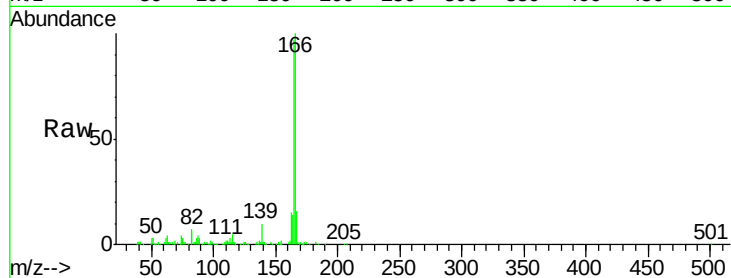
#59
Fluorene
 Concen: 8.48 ng/ul
 RT: 15.19 min Scan# 2127
 Delta R.T. -0.00 min
 Lab File: BG018260.D
 Acq: 4 Aug 2015 19:30

Instrument :
 BNA_G
 ClientSampleId :
 C02L4

Tgt Ion	Ratio	Resp	Lower	Upper
166	100	80549		
165	97.3		75.1	112.7
167	15.7		11.8	17.6

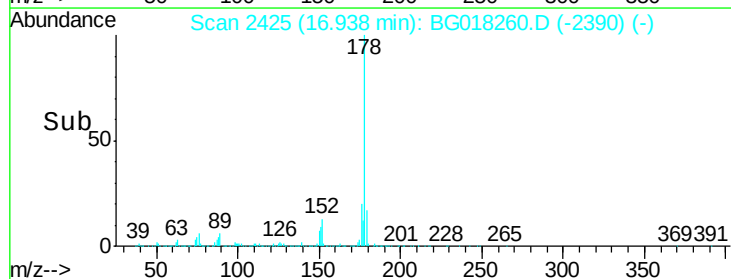
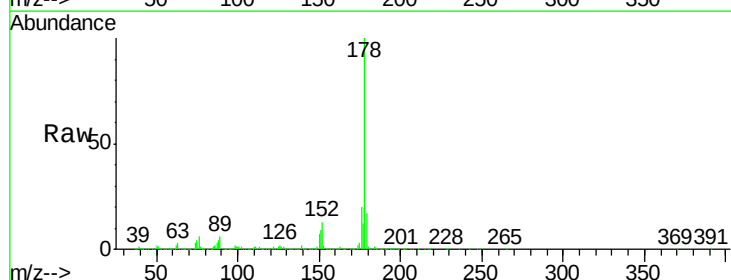
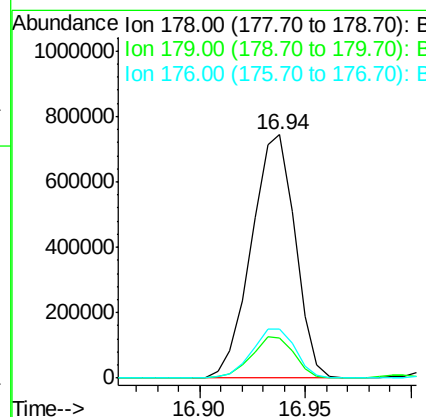
Manual Integrations
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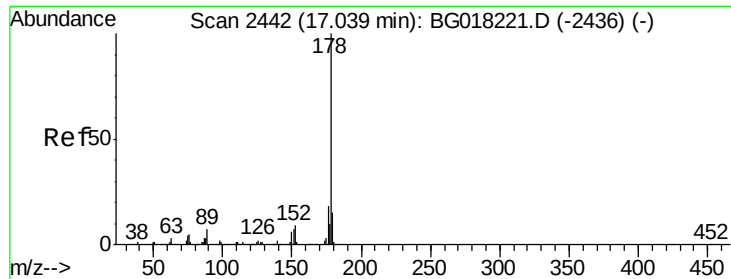
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 8/7/2015 4:40:16 PM



#70
Phenanthrene
 Concen: 86.44 ng/ul
 RT: 16.94 min Scan# 2425
 Delta R.T. 0.01 min
 Lab File: BG018260.D
 Acq: 4 Aug 2015 19:30

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	1068429		
179	16.6		12.8	19.2
176	20.1		16.0	24.0





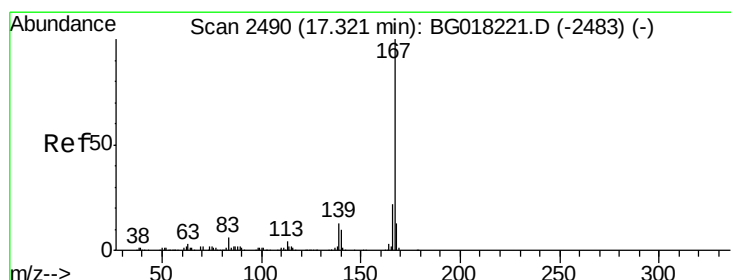
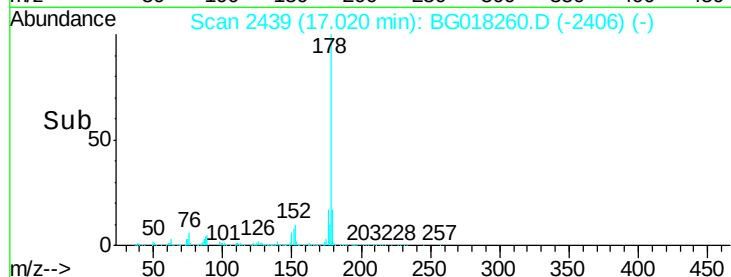
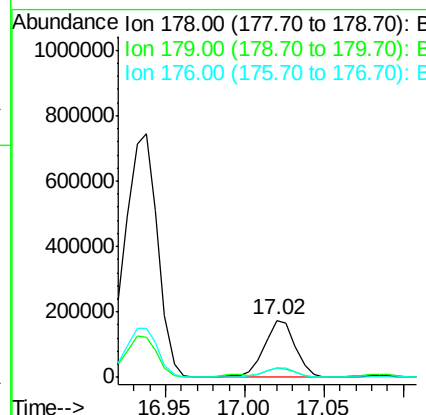
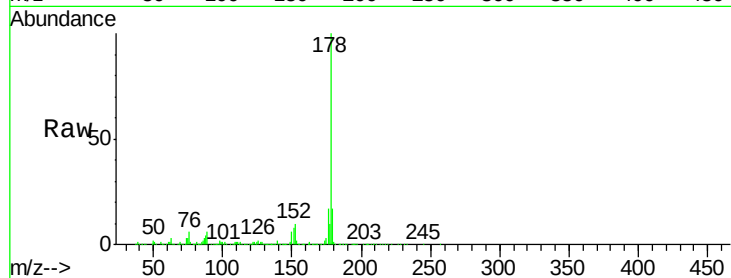
#72
 Anthracene
 Concen: 19.38 ng/ul
 RT: 17.02 min Scan# 2439
 Delta R.T. -0.00 min
 Lab File: BG018260.D
 Acq: 4 Aug 2015 19:30

Instrument :
 BNA_G
 ClientSampleId :
 C02L4

Tgt Ion	Ratio	Lower	Upper
178	100		
179	16.7	12.2	18.2
176	17.3	14.8	22.2

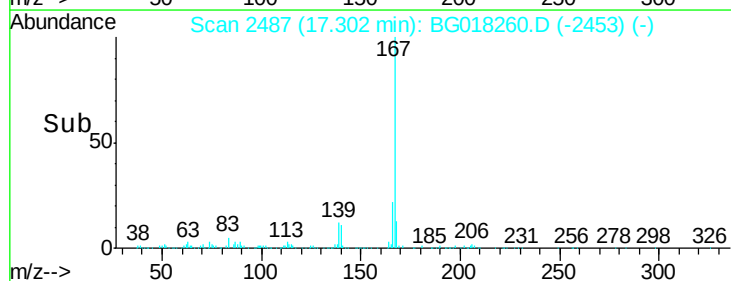
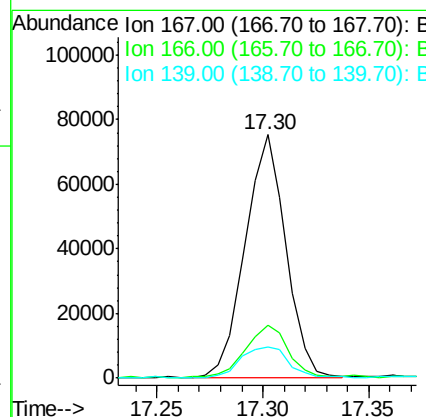
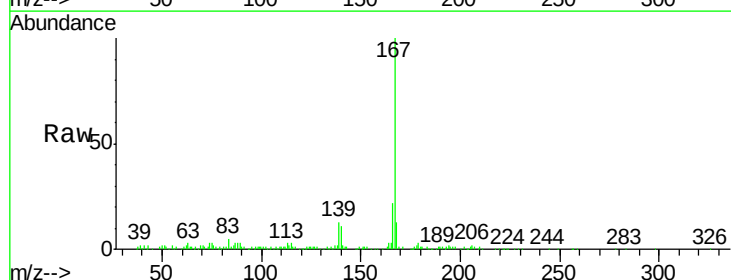
Manual Integrations
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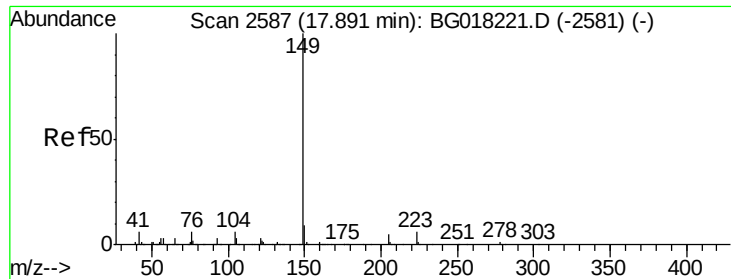
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#75
 Carbazole
 Concen: 9.88 ng/ul
 RT: 17.30 min Scan# 2487
 Delta R.T. 0.00 min
 Lab File: BG018260.D
 Acq: 4 Aug 2015 19:30

Tgt Ion	Ratio	Lower	Upper
167	100		
166	21.8	17.5	26.3
139	12.9	10.1	15.1





#76

Di-n-butylphthalate

Concen: 1.32 ng/ul

RT: 17.87 min Scan# 2584

Delta R.T. 0.00 min

Lab File: BG018260.D

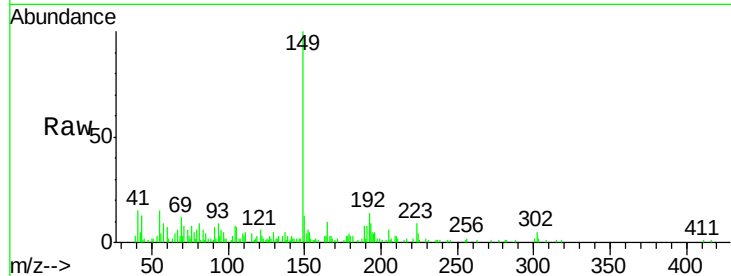
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Instrument :

BNA_G

ClientSampleId :

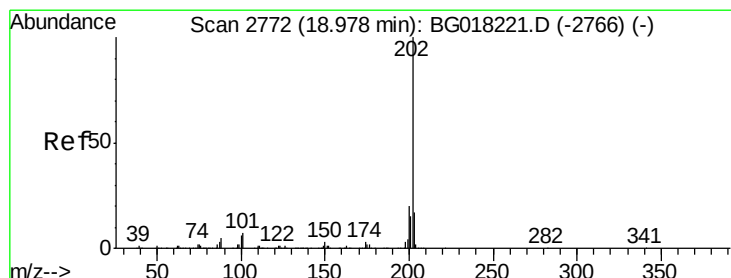
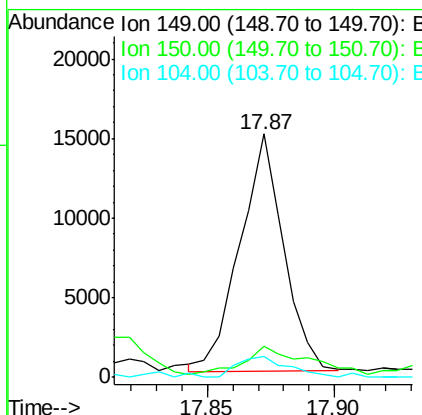
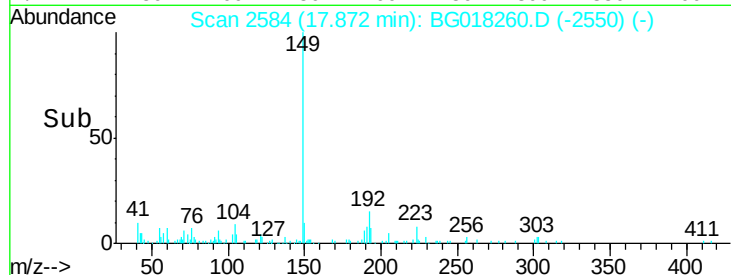
C02L4



Tgt Ion	Ratio	Lower	Upper
149	100		
150	12.6	7.7	11.5#
104	8.4	3.6	5.4#

Manual Integrations
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#77

Fluoranthene

Concen: 123.99 ng/ul m

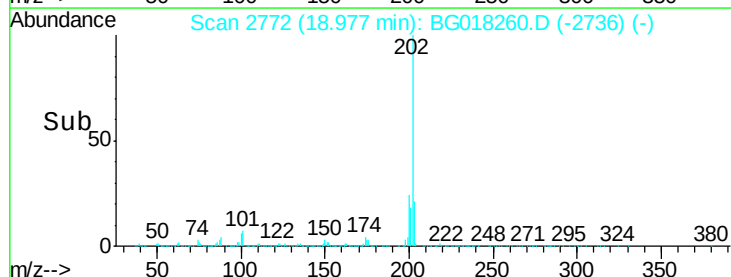
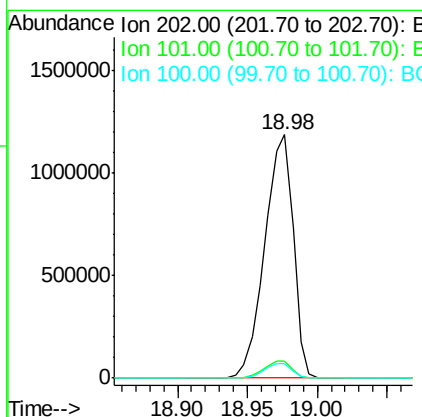
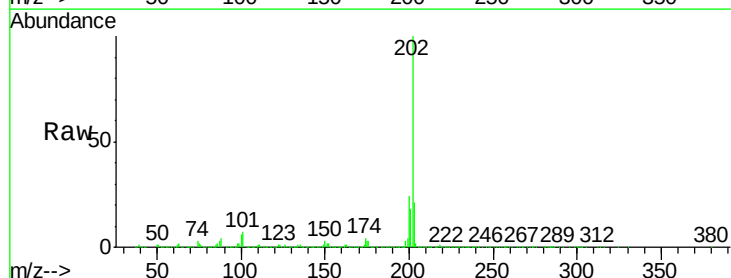
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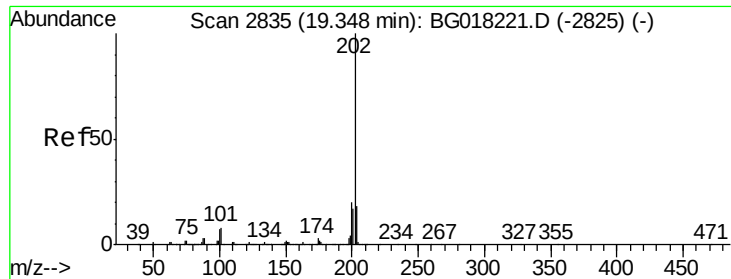
Delta R.T. 0.01 min

Lab File: BG018260.D

Acq: 4 Aug 2015 19:30

Tgt Ion	Ratio	Lower	Upper
202	100		
101	7.1	7.5	11.3#
100	5.8	5.5	8.3





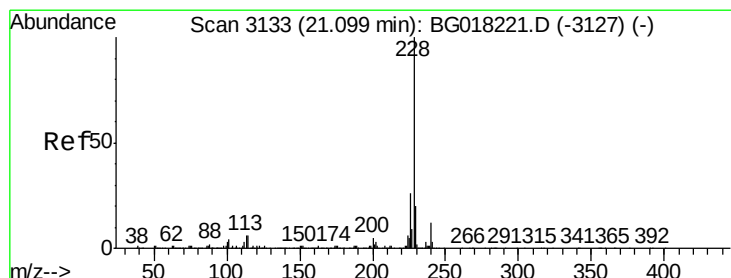
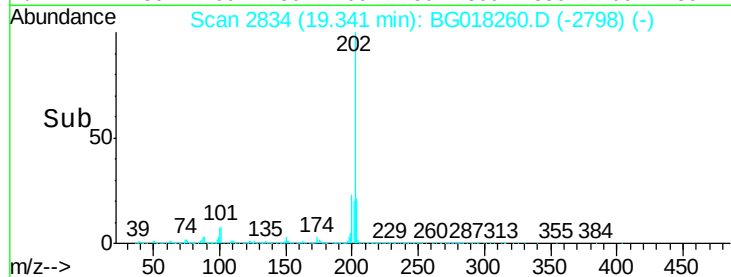
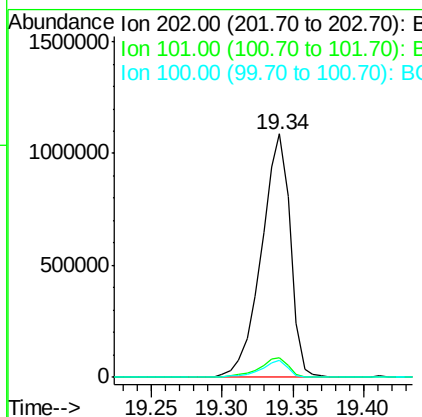
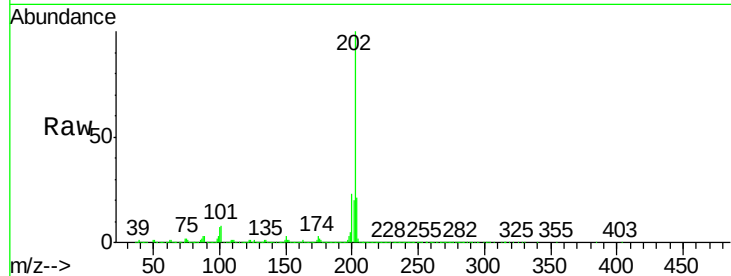
#80
 Pyrene
 Concen: 157.62 ng/ul
 RT: 19.34 min Scan# 2834
 Delta R.T. 0.01 min
 Lab File: BG018260.D
 Acq: 4 Aug 2015 19:30

Instrument :
 BNA_G
 ClientSampleId :
 C02L4

Tgt Ion	Ratio	Resp	Lower	Upper
202	100	1563425		
101	8.0		8.1	12.1#
100	7.2		7.4	11.0#

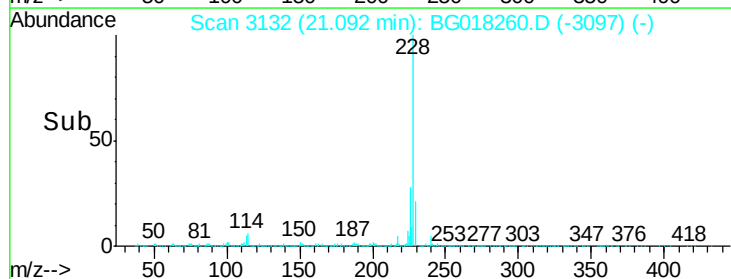
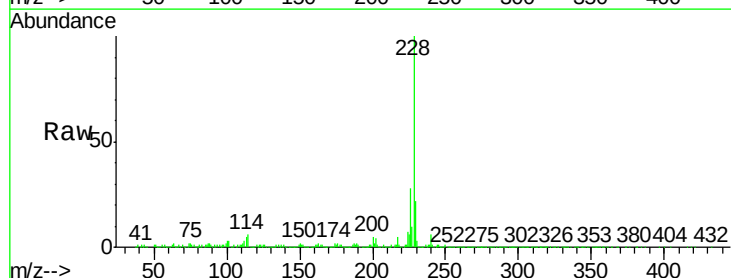
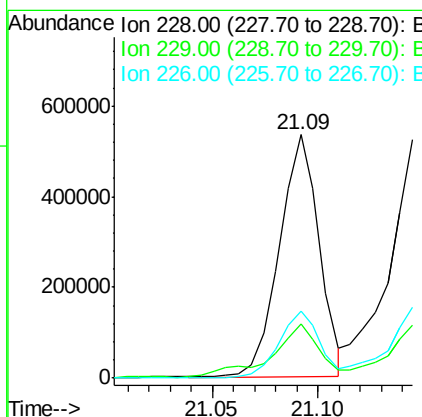
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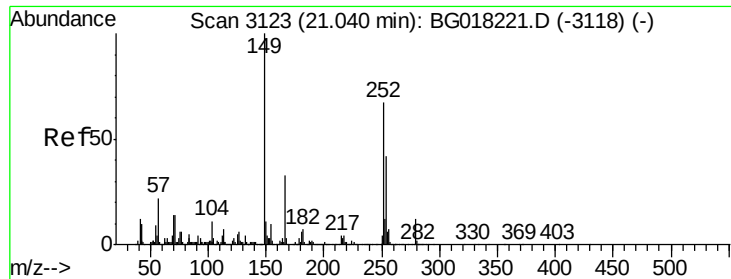
MMDadoda
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#83
 Benzo(a)anthracene
 Concen: 79.42 ng/ul
 RT: 21.09 min Scan# 3132
 Delta R.T. 0.01 min
 Lab File: BG018260.D
 Acq: 4 Aug 2015 19:30

Tgt Ion	Ratio	Resp	Lower	Upper
228	100	699437		
229	22.3		16.5	24.7
226	27.7		21.5	32.3





#84

Bis(2-ethylhexyl)phthalate

Concen: 2.76 ng/ul

RT: 21.03 min Scan# 3121

Delta R.T. 0.00 min

Lab File: BG018260.D

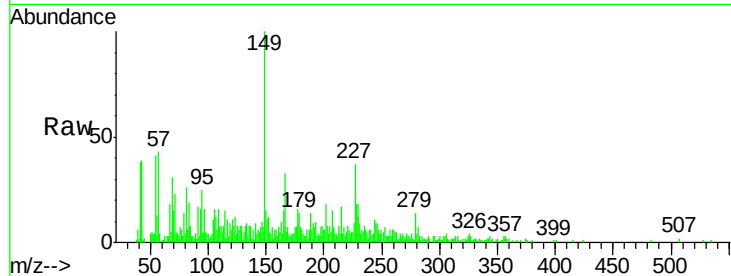
Acq: 4 Aug 2015 19:30

Instrument :

BNA_G

ClientSampleId :

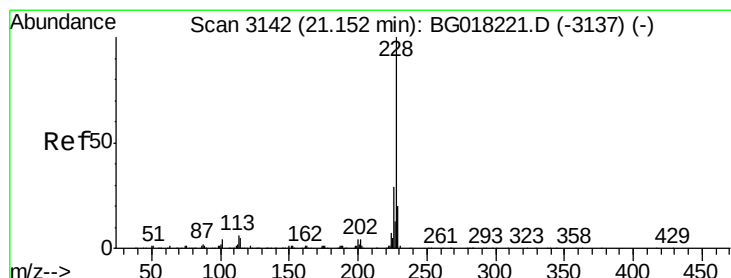
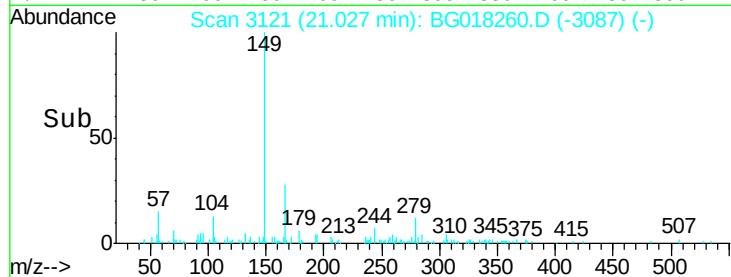
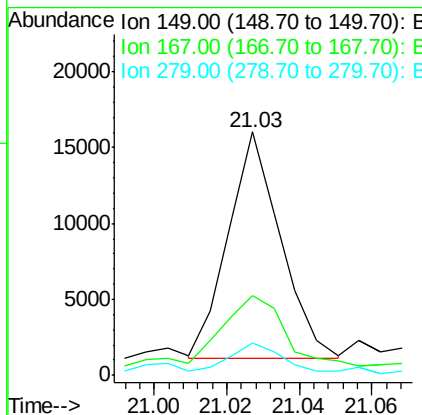
C02L4



Tgt Ion:	149	Resp:	15029
Ion Ratio	Lower	Upper	
149	100		
167	33.0	27.4	41.2
279	13.5	8.3	12.5#

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#85

Chrysene

Concen: 83.34 ng/ul

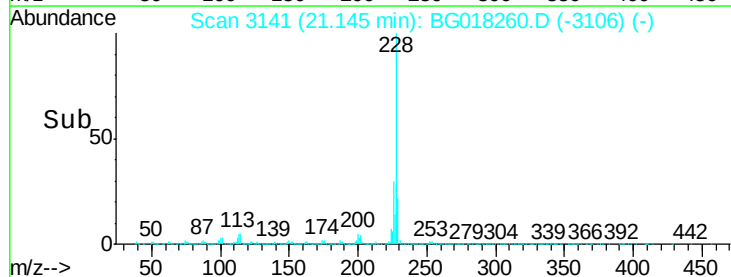
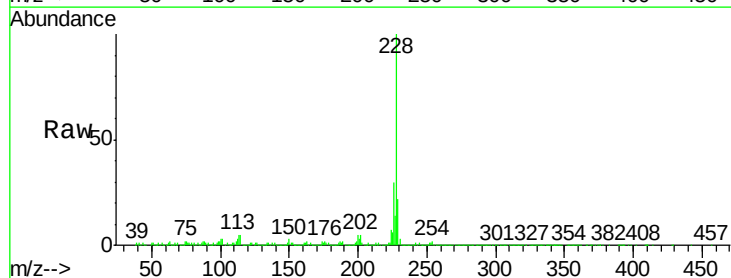
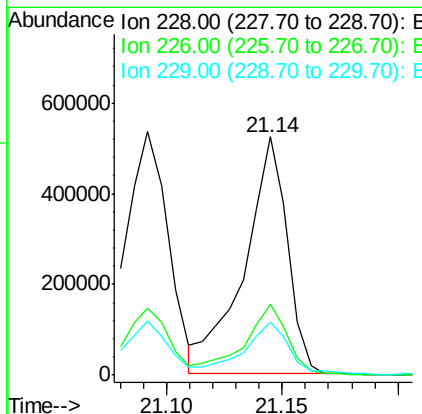
RT: 21.14 min Scan# 3141

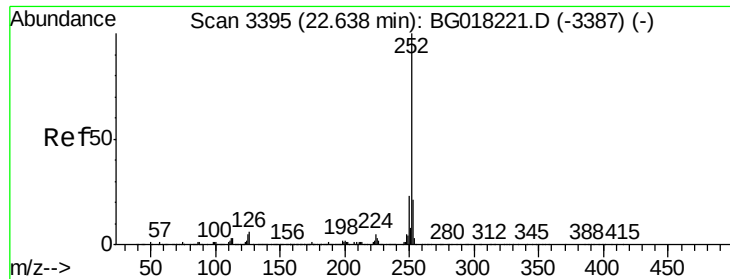
Delta R.T. 0.01 min

Lab File: BG018260.D

Acq: 4 Aug 2015 19:30

Tgt Ion:	228	Resp:	672331
Ion Ratio	Lower	Upper	
228	100		
226	29.8	22.7	34.1
229	22.5	16.2	24.2





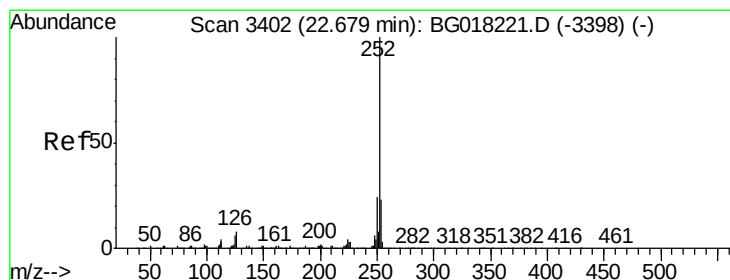
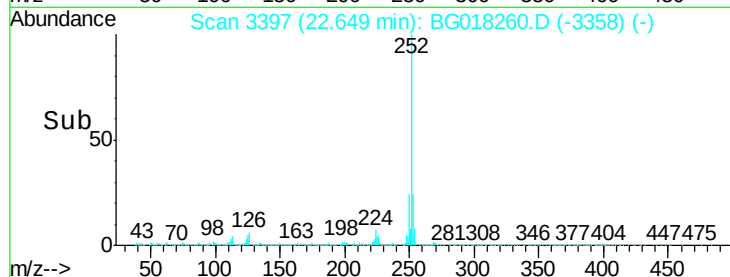
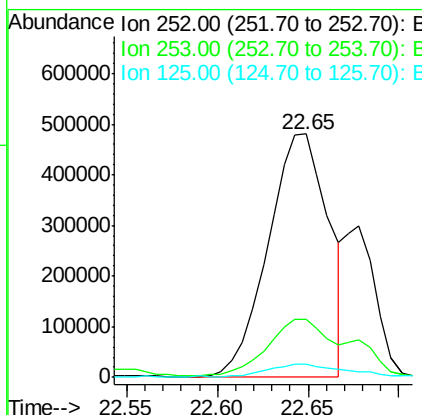
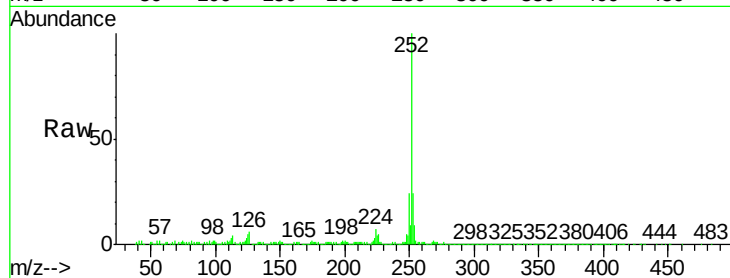
#88
Benzo(b)fluoranthene
Concen: 119.53 ng/ul
RT: 22.65 min Scan# 3397
Delta R.T. 0.03 min
Lab File: BG018260.D
Acq: 4 Aug 2015 19:30

Instrument :
BNA_G
ClientSampleId :
C02L4

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.1	18.5	27.7
125	5.4	7.4	11.0

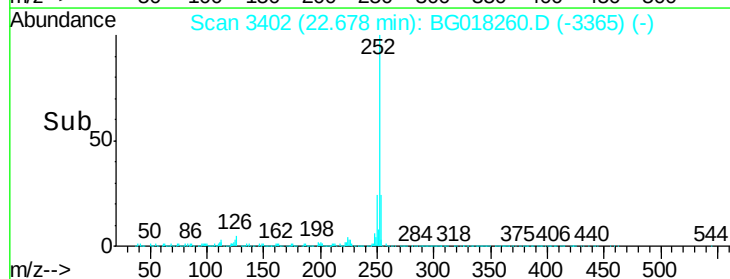
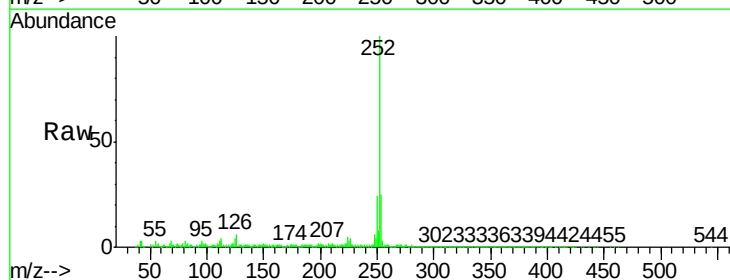
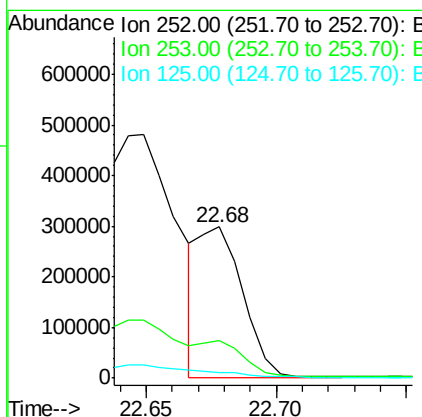
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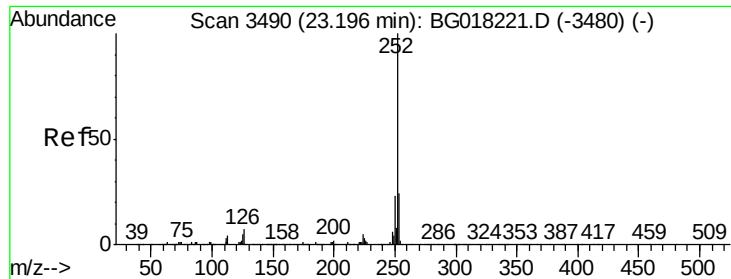
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#89
Benzo(k)fluoranthene
Concen: 41.04 ng/ul m
RT: 22.68 min Scan# 3402
Delta R.T. 0.02 min
Lab File: BG018260.D
Acq: 4 Aug 2015 19:30

Tgt Ion	Ratio	Lower	Upper
252	100		
253	25.1	18.2	27.2
125	4.0	7.5	11.3





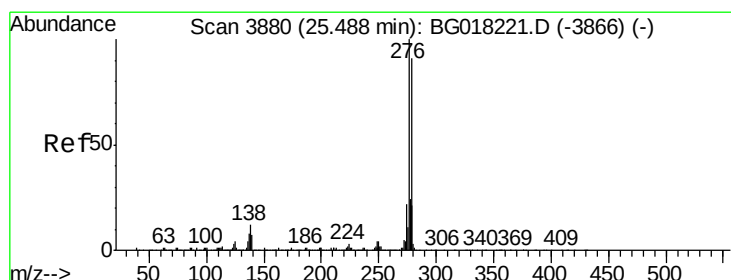
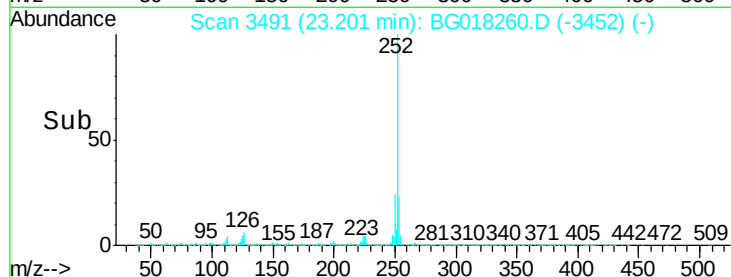
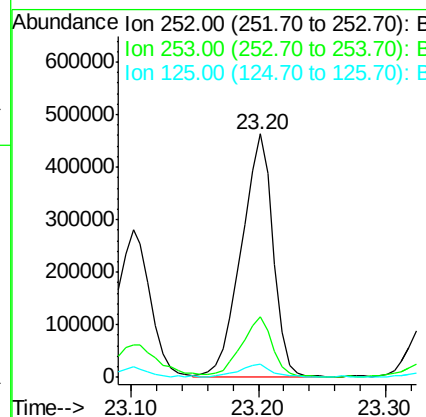
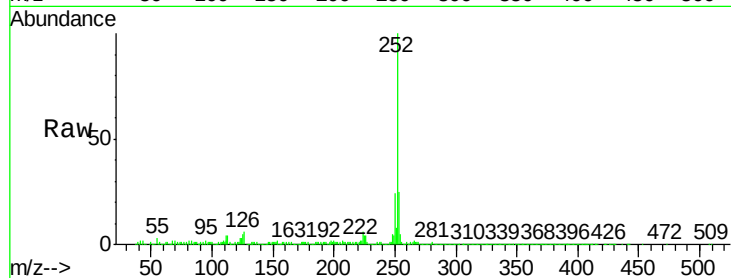
#91
Benzo(a)pyrene
Concen: 95.98 ng/ul
RT: 23.20 min Scan# 3491
Delta R.T. 0.03 min
Lab File: BG018260.D
Acq: 4 Aug 2015 19:30

Instrument :
BNA_G
ClientSampleId :
C02L4

Tgt Ion	Ratio	Resp Lower	Upper
252	100		
253	24.8	17.4	26.2
125	5.2	7.3	10.9#

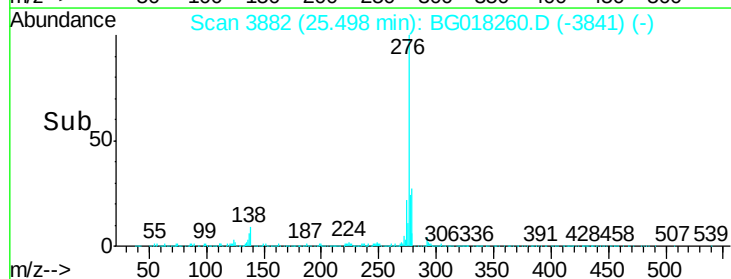
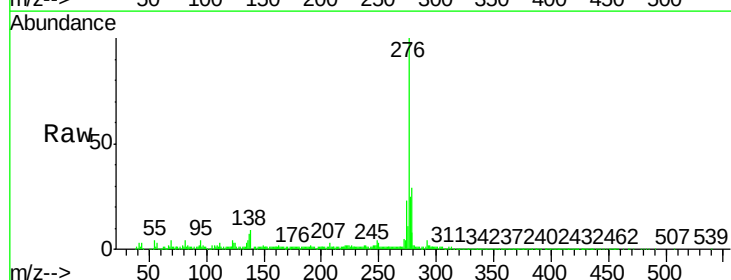
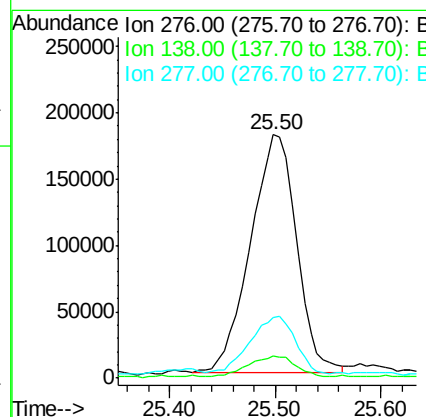
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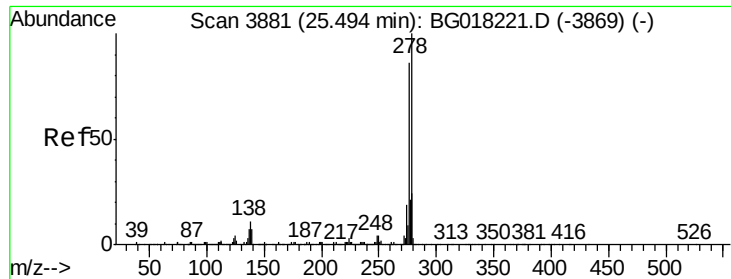
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#92
Indeno(1,2,3-cd)pyrene
Concen: 56.53 ng/ul
RT: 25.50 min Scan# 3882
Delta R.T. 0.04 min
Lab File: BG018260.D
Acq: 4 Aug 2015 19:30

Tgt Ion	Ratio	Resp Lower	Upper
276	100		
138	9.1	17.2	25.8#
277	24.8	19.5	29.3





#93

Dibenzo(a,h)anthracene

Concen: 18.00 ng/ul

RT: 25.50 min Scan# 3882

Delta R.T. 0.03 min

Lab File: BG018260.D

Acq: 4 Aug 2015 19:30

Instrument :

BNA_G

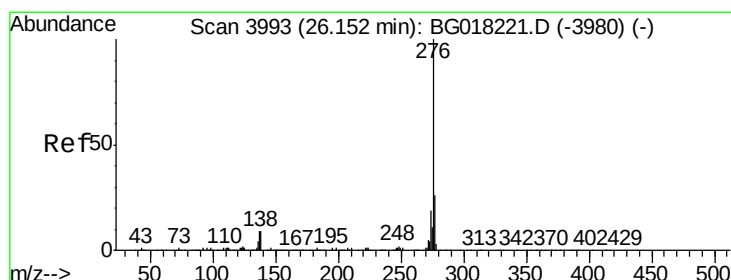
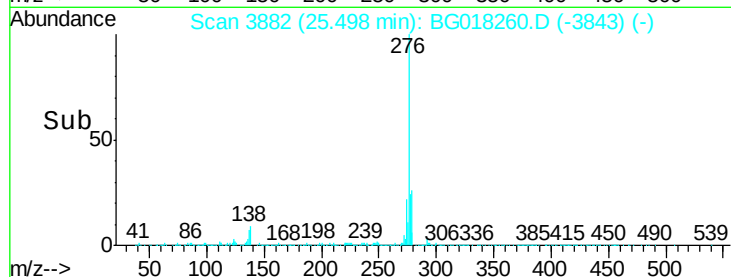
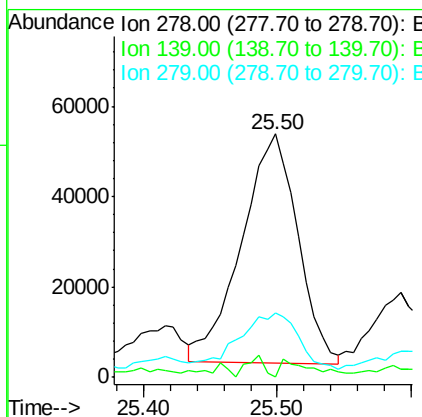
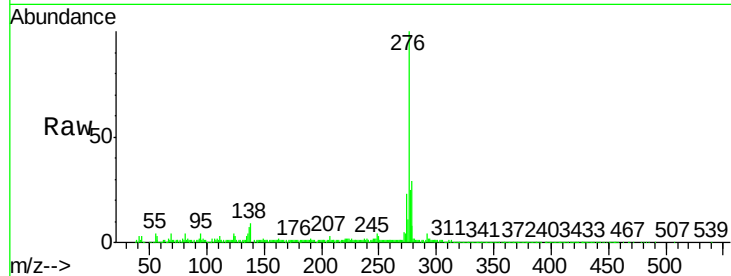
ClientSampleId :

C02L4

Tgt Ion:	278	Resp:	148052
Ion Ratio	Lower	Upper	
278	100		
139	0.0	12.2	18.2#
279	26.4	20.0	30.0

Manual Integrations
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#94

Benzo(g,h,i)perylene

Concen: 62.77 ng/ul

RT: 26.18 min Scan# 3998

Delta R.T. 0.05 min

Lab File: BG018260.D

Acq: 4 Aug 2015 19:30

Tgt Ion:	276	Resp:	492255
Ion Ratio	Lower	Upper	
276	100		
138	7.8	15.1	22.7#
277	24.3	19.8	29.6

