

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG073115\
 Data File : BG018216.D
 Acq On : 1 Aug 2015 12:13
 Operator : TP/UM
 Sample : G3073-07
 Misc :
 ALS Vial : 36 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 C01N7

Manual Integrations
 APPROVED

MMDadoda
 8/4/2015 12:24:33 PM

Quant Time: Aug 03 05:15:24 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	54332	20.00	ng/ul	0.00
18) Naphthalene-d8	10.27	136	242544	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.16	164	146040	20.00	ng/ul	0.00
62) Phenanthrene-d10	16.92	188	221347m	20.00	ng/ul	0.01
78) Chrysene-d12	21.13	240	226506m	20.00	ng/ul	0.01
86) Perylene-d12	23.32	264	229770	20.00	ng/ul	0.03

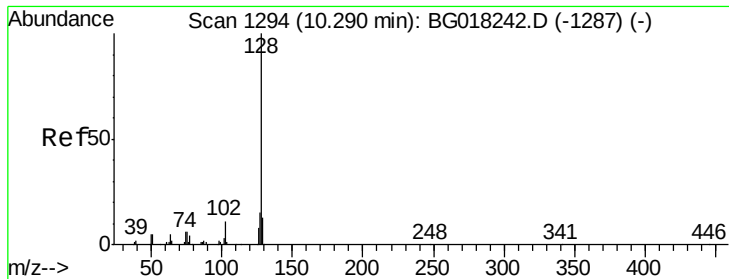
System Monitoring Compounds

3) 1,4-Dioxane-d8	2.98	96	1289	1.79	ng/uL	0.01
5) Phenol-d5	6.68	99	56677	11.60	ng/ul	0.01
7) Bis-(2-Chloroethyl)ether-d	6.83	67	28026	11.22	ng/ul	0.00
9) 2-Chlorophenol-d4	7.03	132	45820	12.42	ng/ul	0.01
13) 4-Methylphenol-d8	8.21	113	44988	11.31	ng/ul	0.00
19) Nitrobenzene-d5	8.64	128	24314	12.73	ng/ul	0.00
22) 2-Nitrophenol-d4	9.36	143	21225	9.68	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	9.90	165	48226	12.44	ng/ul	0.01
29) 4-Chloroaniline-d4	10.42	131	40717	8.43	ng/ul	0.01
44) Dimethylphthalate-d6	13.58	166	152628	13.52	ng/ul	0.00
47) Acenaphthylene-d8	13.85	160	155478	11.88	ng/ul	0.00
52) 4-Nitrophenol-d4	14.40	143	15447	7.40	ng/ul	0.02
58) Fluorene-d10	15.16	176	101468	9.94	ng/ul	0.01
63) 4,6-Dinitro-2-methylphenol	15.31	200	178	0.12	ng/ul	0.02
71) Anthracene-d10	17.01	188	107631m	11.18	ng/ul	0.00
79) Pyrene-d10	19.33	212	95981m	8.76	ng/ul	0.01
90) Benzo(a)pyrene-d12	23.18	264	95904	8.25	ng/ul	0.03

Target Compounds

					Qvalue	
28) Naphthalene	10.32	128	14986	1.28	ng/ul	96
32) Caprolactam	11.19	113	4398	2.39	ng/ul#	81
45) Dimethylphthalate	13.62	163	77577	6.91	ng/ul	98
50) Acenaphthene	14.22	153	25328	2.99	ng/ul	97
54) Dibenzofuran	14.56	168	19339	1.52	ng/ul#	73
59) Fluorene	15.22	166	30088	2.73	ng/ul	93
70) Phenanthrene	16.96	178	299273m	26.61	ng/ul	
72) Anthracene	17.05	178	74308	6.64	ng/ul	96
75) Carbazole	17.33	167	31612m	3.40	ng/ul	
76) Di-n-butylphthalate	17.90	149	21721m	1.76	ng/ul	
77) Fluoranthene	18.99	202	387962m	31.41	ng/ul	
80) Pyrene	19.36	202	329966m	24.02	ng/ul	
83) Benzo(a)anthracene	21.11	228	180160m	14.77	ng/ul	
85) Chrysene	21.17	228	164873	14.76	ng/ul	98
88) Benzo(b)fluoranthene	22.66	252	227686	16.50	ng/ul	97
89) Benzo(k)fluoranthene	22.70	252	77498m	6.11	ng/ul	
91) Benzo(a)pyrene	23.22	252	156818	12.70	ng/ul	96
92) Indeno(1,2,3-cd)pyrene	25.52	276	77766	5.44	ng/ul#	86
93) Dibenzo(a,h)anthracene	25.52	278	21476m	1.76	ng/ul	
94) Benzo(g,h,i)perylene	26.20	276	58607	5.02	ng/ul#	88

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



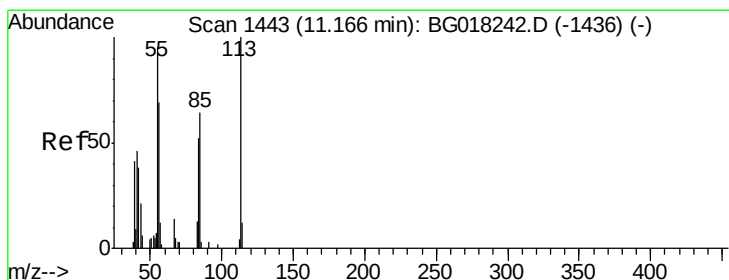
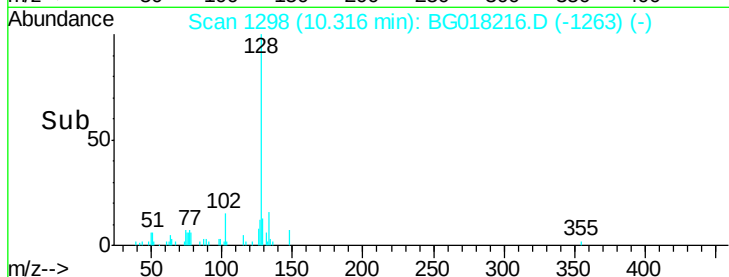
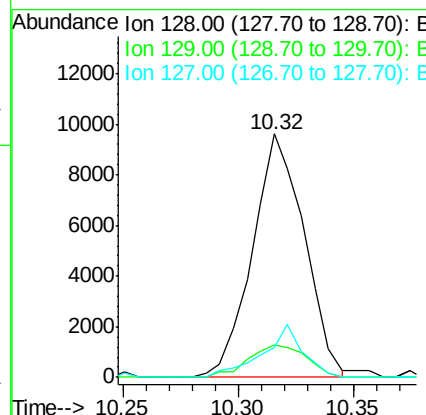
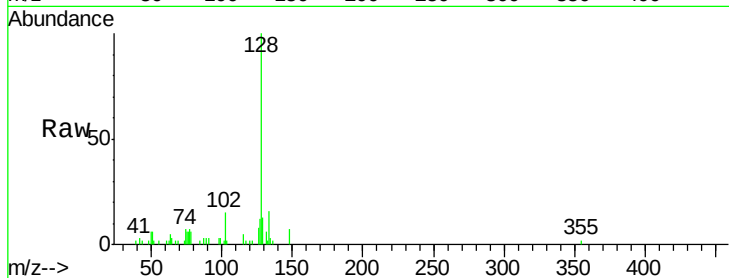
#28
Naphthalene
Concen: 1.28 ng/ul
RT: 10.32 min Scan# 1298
Delta R.T. 0.01 min
Lab File: BG018216.D
Acq: 1 Aug 2015 12:13

Instrument :
BNA_G
ClientSampleId :
C01N7

Tgt Ion	Ratio	Lower	Upper
128	100		
129	13.2	9.1	13.7
127	12.4	11.2	16.8

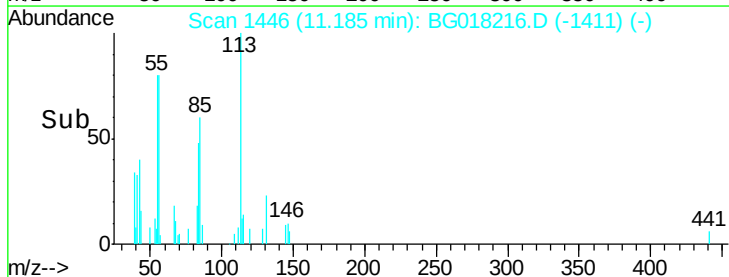
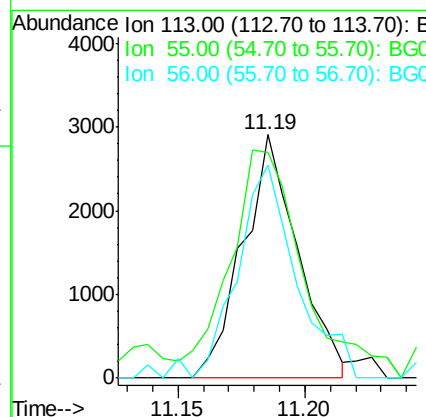
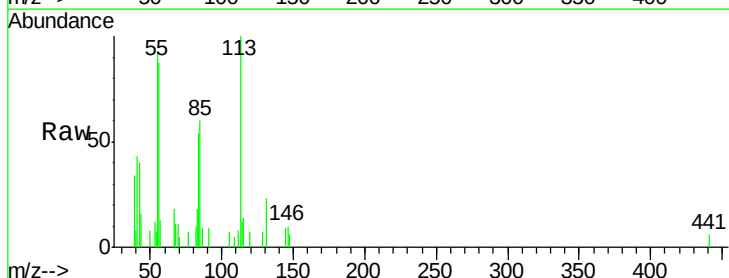
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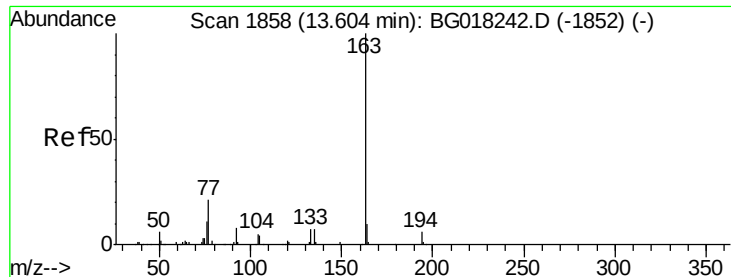
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#32
Caprolactam
Concen: 2.39 ng/ul
RT: 11.19 min Scan# 1446
Delta R.T. 0.01 min
Lab File: BG018216.D
Acq: 1 Aug 2015 12:13

Tgt Ion	Ratio	Lower	Upper
113	100		
55	92.8	64.6	96.8
56	87.2	53.2	79.8#





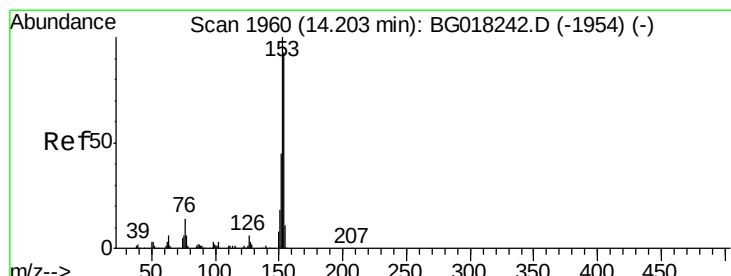
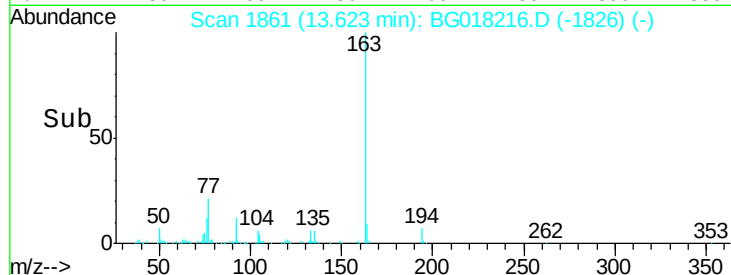
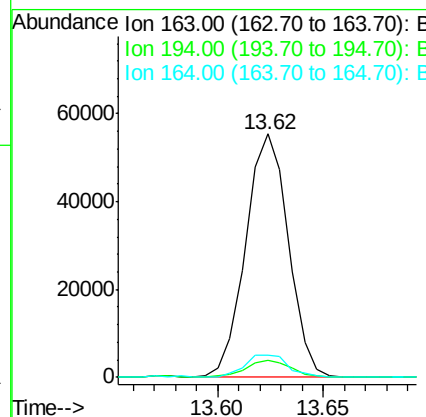
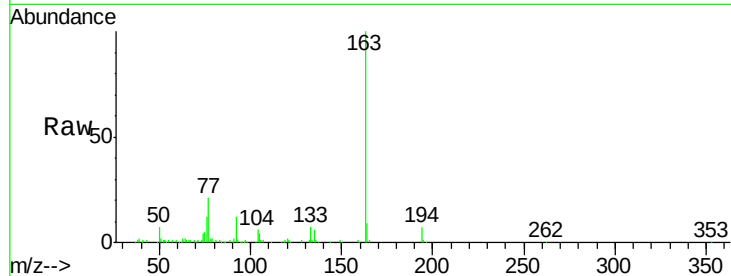
#45
Dimethylphthalate
Concen: 6.91 ng/ul
RT: 13.62 min Scan# 1861
Delta R.T. 0.01 min
Lab File: BG018216.D
Acq: 1 Aug 2015 12:13

Instrument :
BNA_G
ClientSampleId :
C01N7

Tgt Ion	Ratio	Resp	Lower	Upper
163	100	77577		
194	6.9		5.2	7.8
164	9.4		8.4	12.6

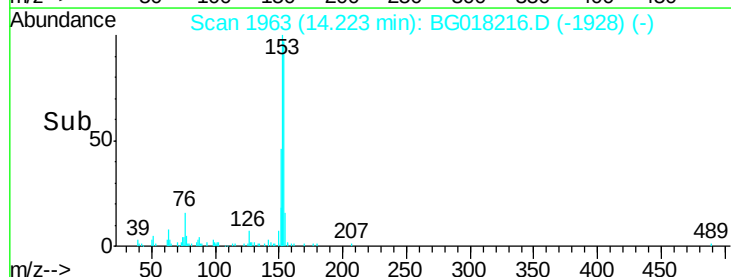
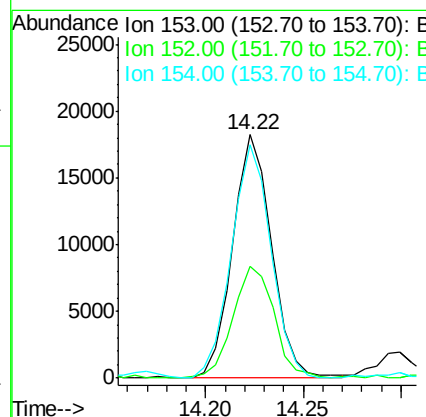
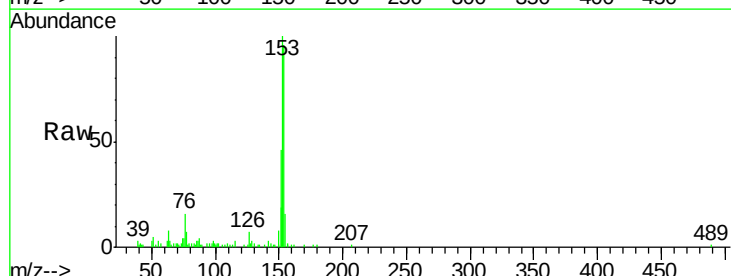
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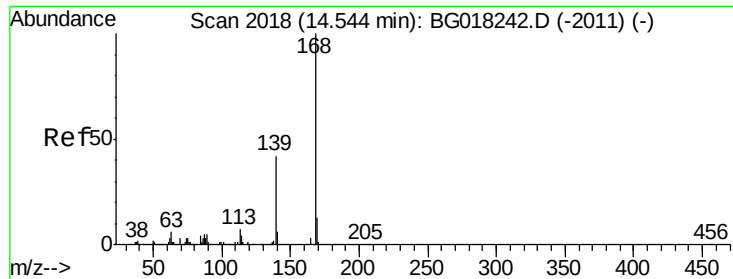
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#50
Acenaphthene
Concen: 2.99 ng/ul
RT: 14.22 min Scan# 1963
Delta R.T. 0.01 min
Lab File: BG018216.D
Acq: 1 Aug 2015 12:13

Tgt Ion	Ratio	Resp	Lower	Upper
153	100	25328		
152	46.1		38.7	58.1
154	95.9		74.8	112.2





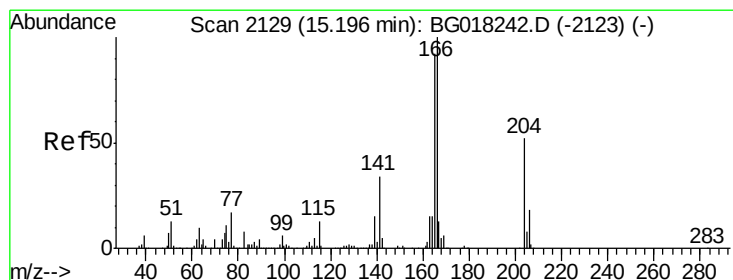
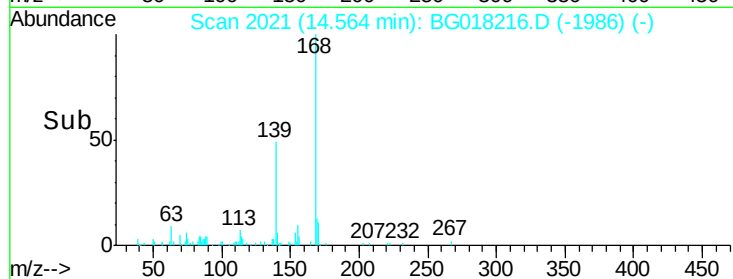
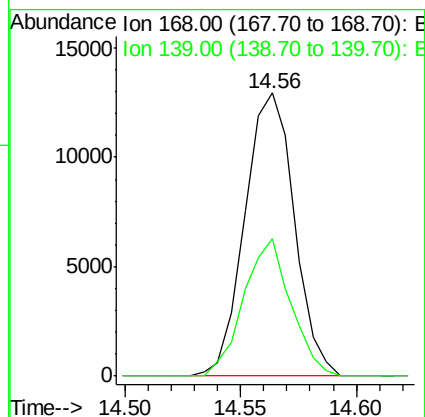
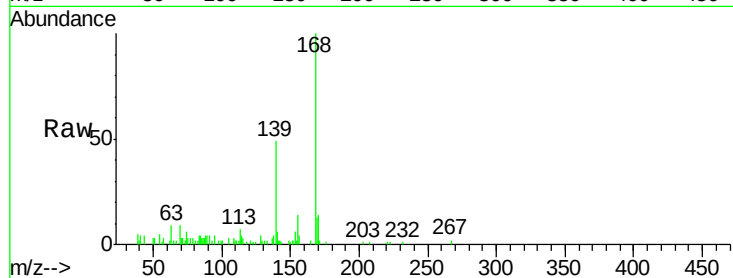
#54
Dibenzenofuran
Concen: 1.52 ng/ul
RT: 14.56 min Scan# 2021
Delta R.T. 0.01 min
Lab File: BG018216.D
Acq: 1 Aug 2015 12:13

Instrument :
BNA_G
ClientSampled :
C01N7

Tgt Ion	Ratio	Lower	Upper
168	100		
139	48.6	26.8	40.2#

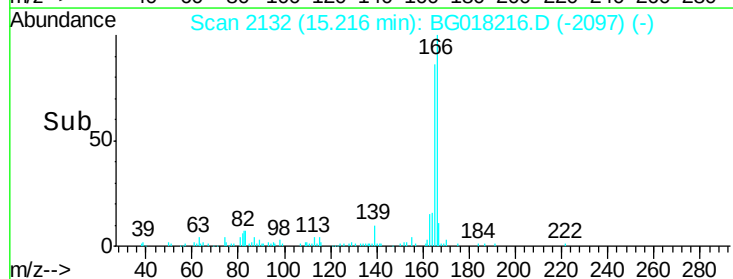
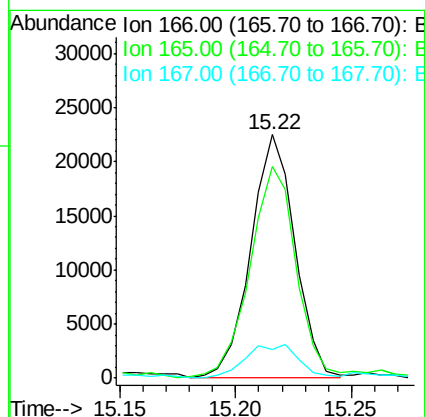
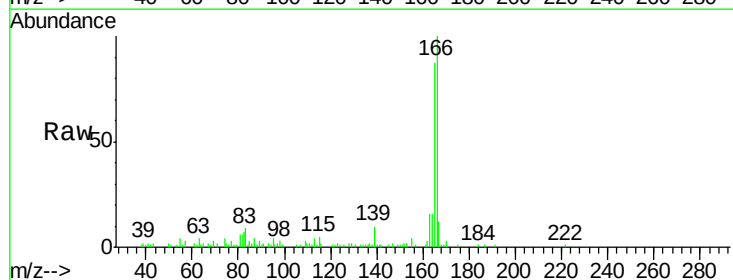
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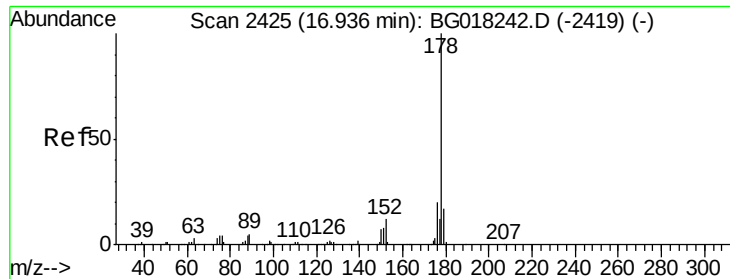
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#59
Fluorene
Concen: 2.73 ng/ul
RT: 15.22 min Scan# 2132
Delta R.T. 0.01 min
Lab File: BG018216.D
Acq: 1 Aug 2015 12:13

Tgt Ion	Ratio	Lower	Upper
166	100		
165	86.9	75.1	112.7
167	12.0	11.8	17.6





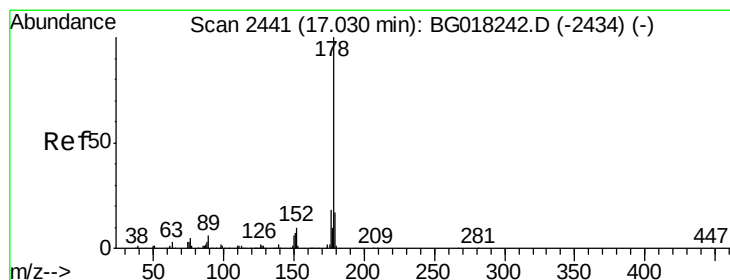
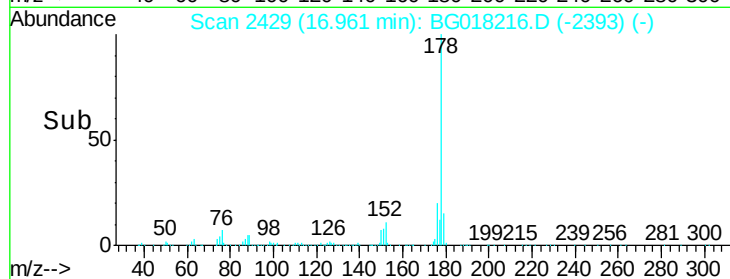
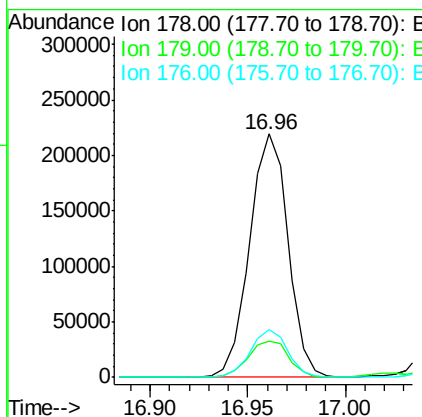
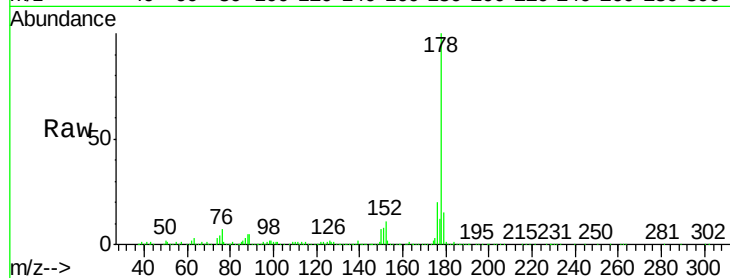
#70
 Phenanthrene
 Concen: 26.61 ng/ul m
 RT: 16.96 min Scan# 2429
 Delta R.T. 0.01 min
 Lab File: BG018216.D
 Acq: 1 Aug 2015 12:13

Instrument :
 BNA_G
 ClientSampled :
 C01N7

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	299273		
179	15.0		12.8	19.2
176	19.7		16.0	24.0

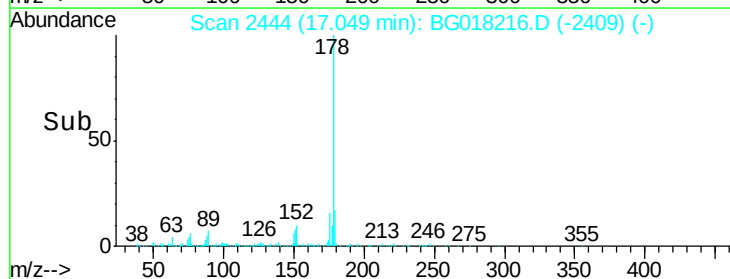
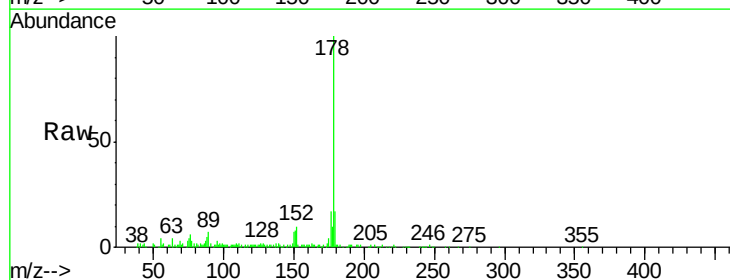
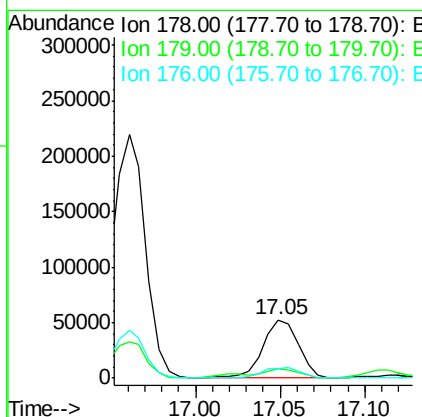
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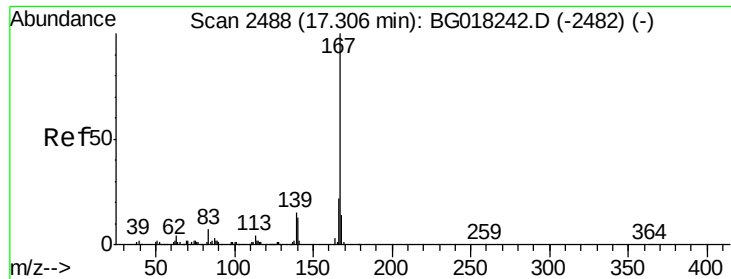
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#72
 Anthracene
 Concen: 6.64 ng/ul
 RT: 17.05 min Scan# 2444
 Delta R.T. 0.01 min
 Lab File: BG018216.D
 Acq: 1 Aug 2015 12:13

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	74308		
179	17.1		12.2	18.2
176	16.7		14.8	22.2





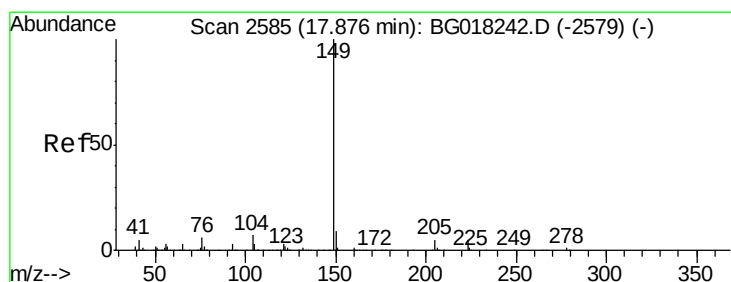
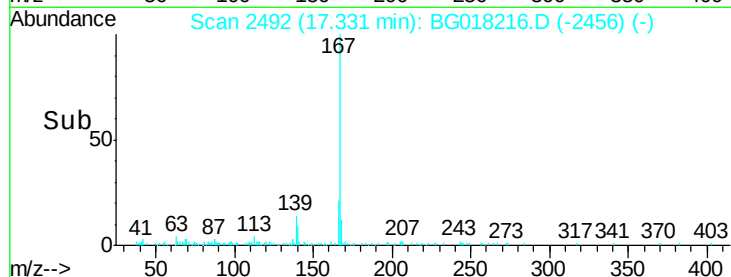
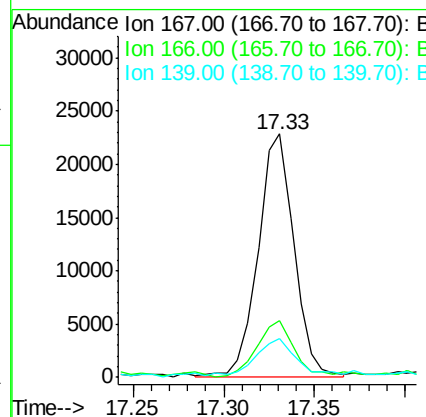
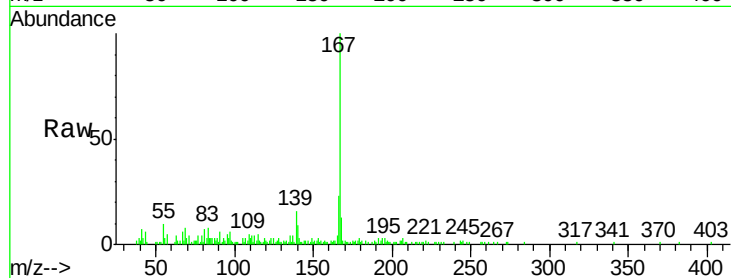
#75
 Carbazole
 Concen: 3.40 ng/ul m
 RT: 17.33 min Scan# 2492
 Delta R.T. 0.01 min
 Lab File: BG018216.D
 Acq: 1 Aug 2015 12:13

Instrument :
 BNA_G
 ClientSampleId :
 C01N7

Tgt Ion	Ratio	Lower	Upper
167	100		
166	23.2	17.5	26.3
139	15.9	10.1	15.1#

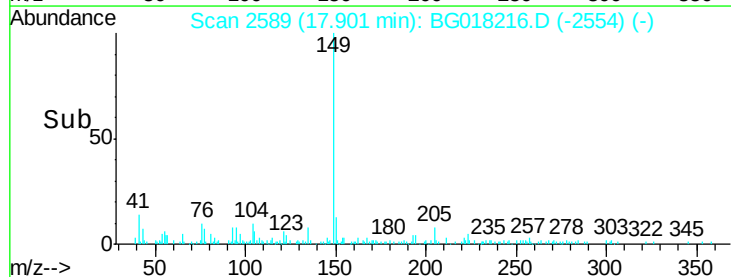
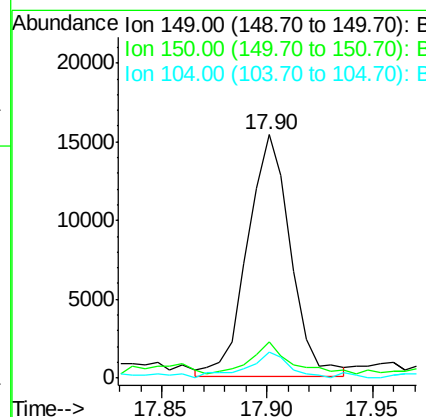
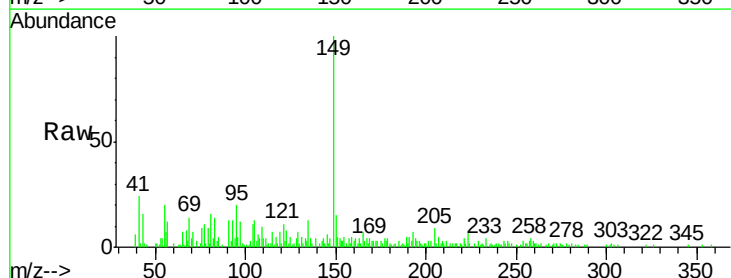
Manual Integrations
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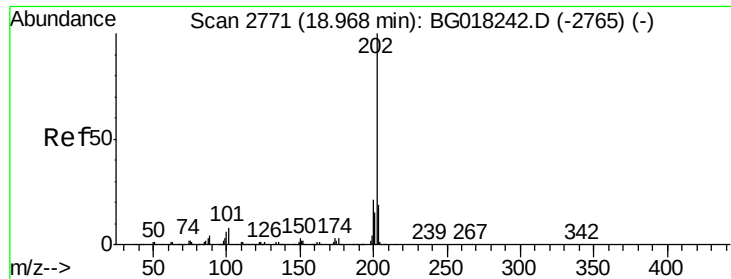
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#76
 Di-n-butylphthalate
 Concen: 1.76 ng/ul m
 RT: 17.90 min Scan# 2589
 Delta R.T. 0.01 min
 Lab File: BG018216.D
 Acq: 1 Aug 2015 12:13

Tgt Ion	Ratio	Lower	Upper
149	100		
150	14.8	7.7	11.5#
104	10.9	3.6	5.4#





#77

Fluoranthene

Concen: 31.41 ng/ul m

RT: 18.99 min Scan# 2775

Delta R.T. 0.01 min

Lab File: BG018216.D

Acq: 1 Aug 2015 12:13

Instrument :

BNA_G

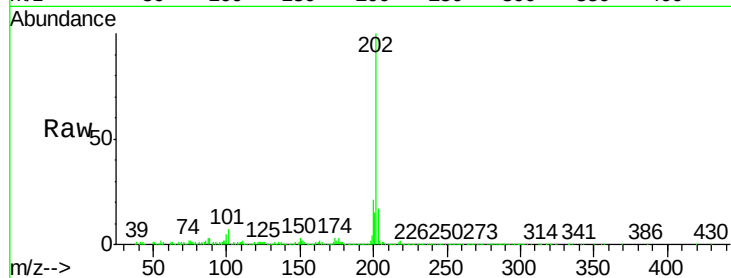
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C01N7

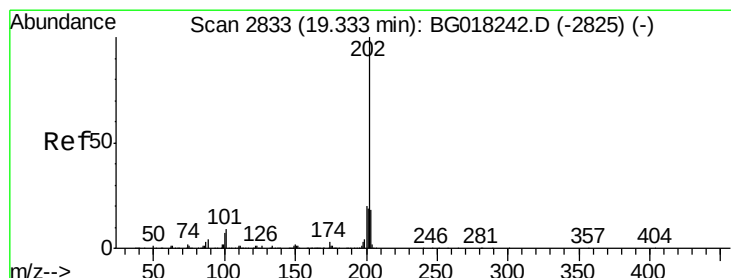
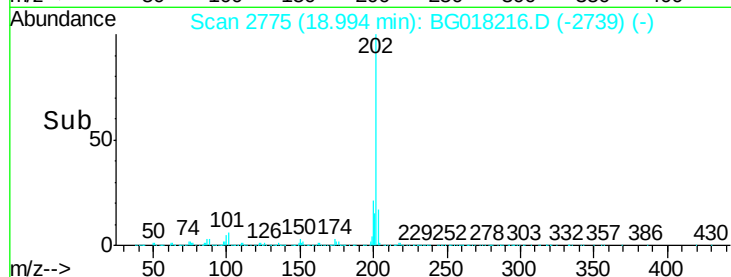
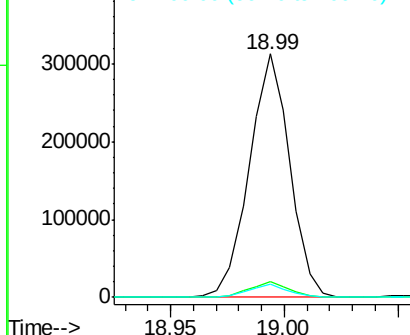
Tgt	Ion	Ratio	Resp	Lower	Upper
202	100		387962		
101	6.5	7.5	11.3#		
100	5.2	5.5	8.3#		

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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



#80

Pyrene

Concen: 24.02 ng/ul m

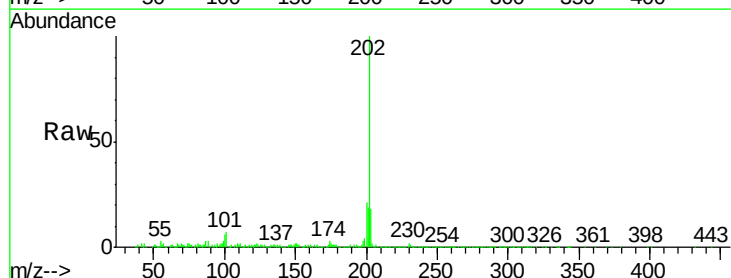
RT: 19.36 min Scan# 2837

Delta R.T. 0.01 min

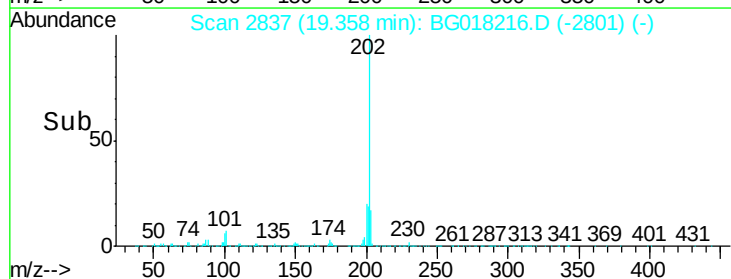
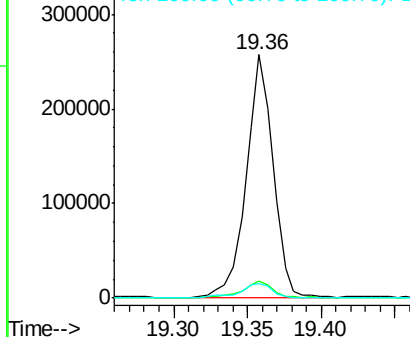
Lab File: BG018216.D

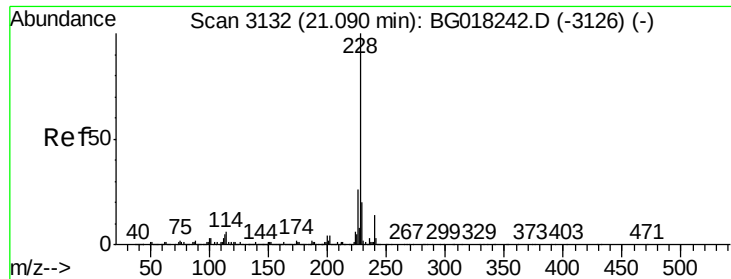
Acq: 1 Aug 2015 12:13

Tgt	Ion	Ratio	Resp	Lower	Upper
202	100		329966		
101	7.1	8.1	12.1#		
100	6.0	7.4	11.0#		



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: 14.77 ng/ul m

RT: 21.11 min Scan# 3136

Delta R.T. 0.02 min

Lab File: BG018216.D

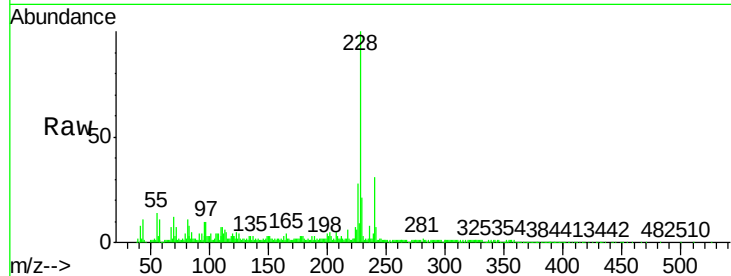
Acq: 1 Aug 2015 12:13

Instrument :

BNA_G

ClientSampleId :

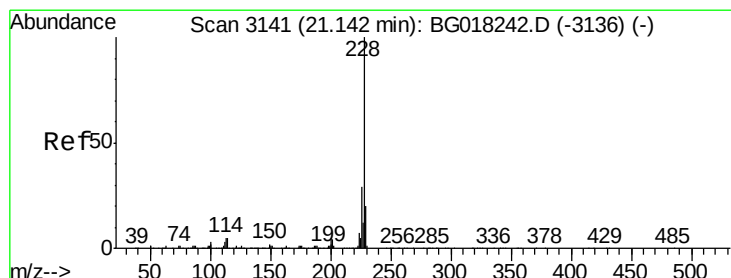
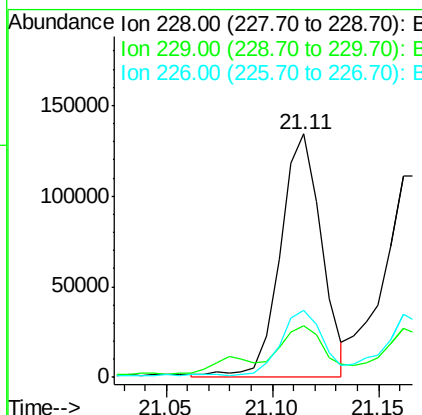
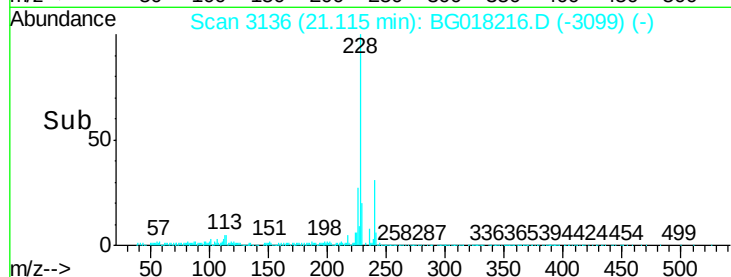
C01N7



Tgt Ion	Ratio	Lower	Upper
228	100		
229	21.3	16.5	24.7
226	27.7	21.5	32.3

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#85

Chrysene

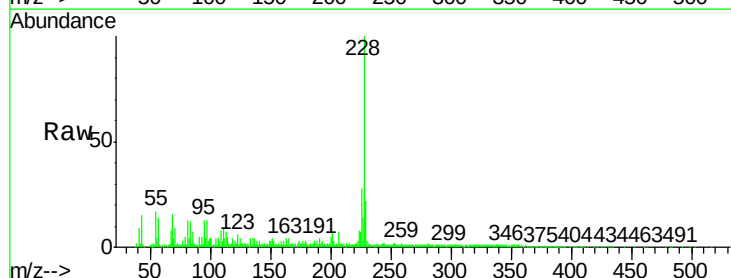
Concen: 14.76 ng/ul

RT: 21.17 min Scan# 3145

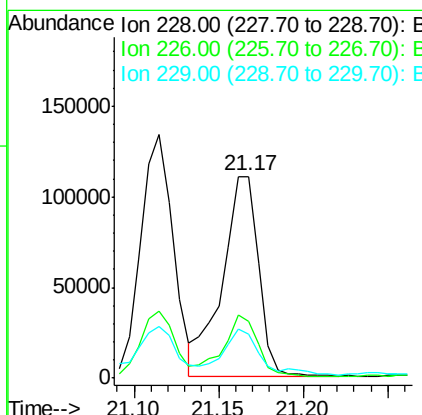
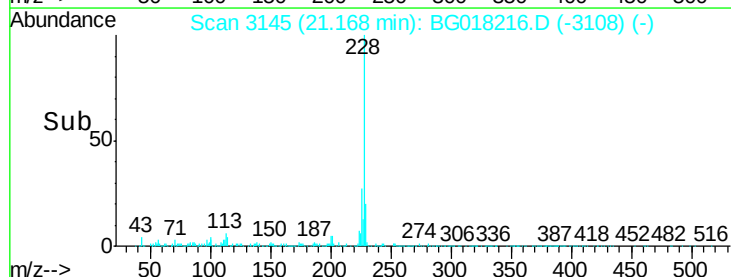
Delta R.T. 0.02 min

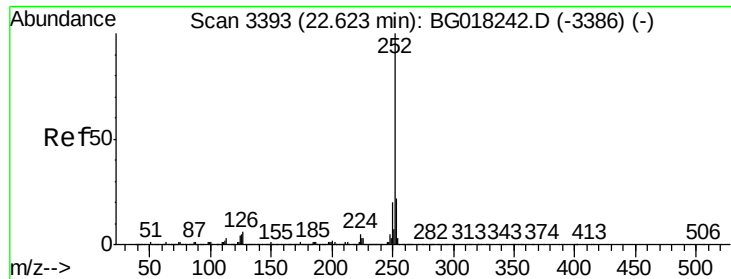
Lab File: BG018216.D

Acq: 1 Aug 2015 12:13



Tgt Ion	Ratio	Lower	Upper
228	100		
226	28.0	22.7	34.1
229	21.7	16.2	24.2





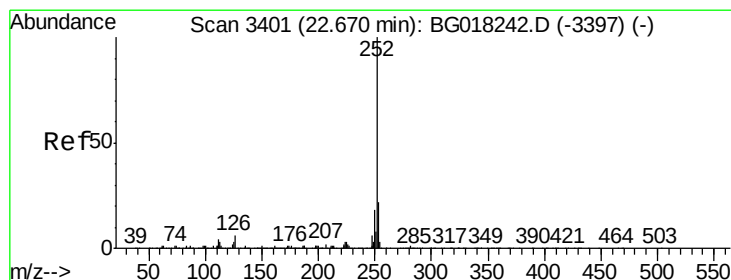
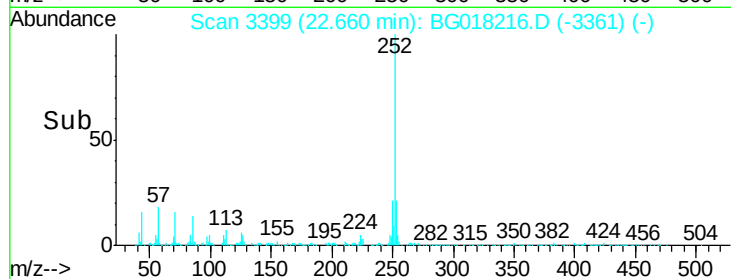
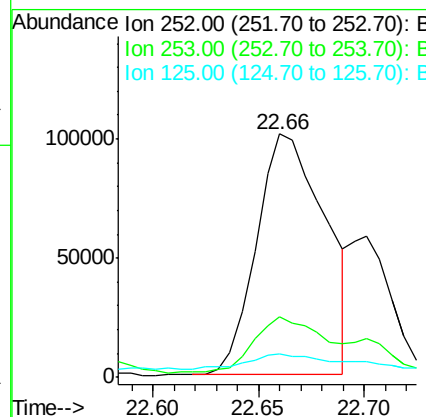
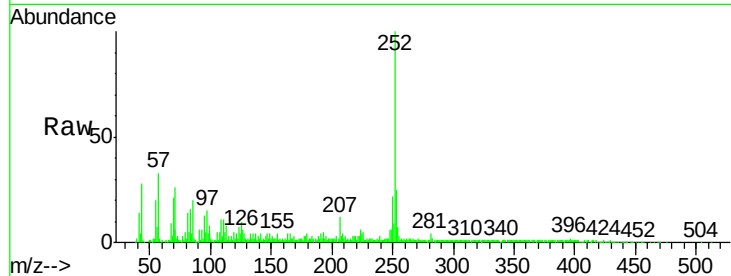
#88
Benzo(b)fluoranthene
Concen: 16.50 ng/ul
RT: 22.66 min Scan# 3399
Delta R.T. 0.02 min
Lab File: BG018216.D
Acq: 1 Aug 2015 12:13

Instrument :
BNA_G
ClientSampleId :
C01N7

Tgt Ion	Ratio	Resp Lower	Resp Upper
252	100		
253	24.7	18.5	27.7
125	9.7	7.4	11.0

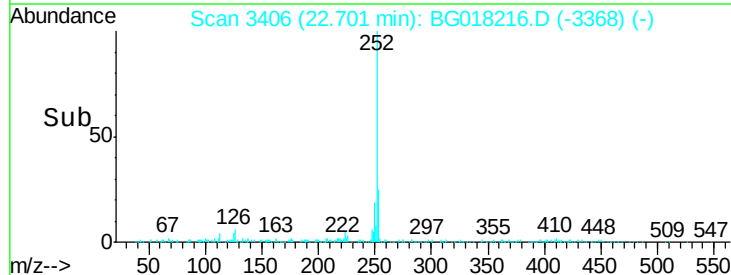
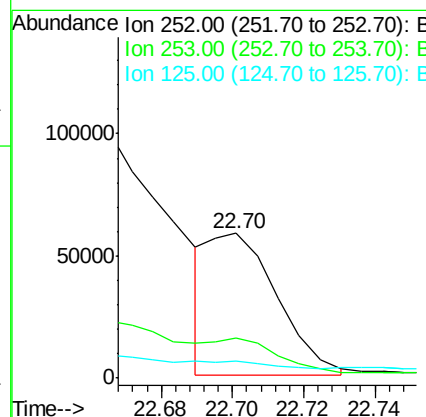
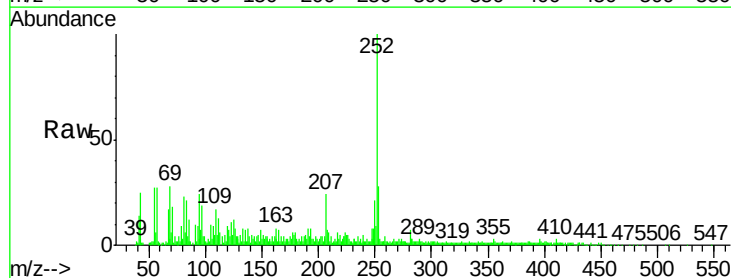
Manual Integrations
APPROVED

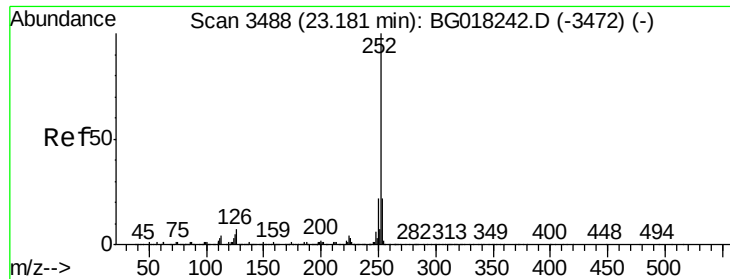
MMDadoda
8/4/2015 12:24:33 PM



#89
Benzo(k)fluoranthene
Concen: 6.11 ng/ul m
RT: 22.70 min Scan# 3406
Delta R.T. 0.02 min
Lab File: BG018216.D
Acq: 1 Aug 2015 12:13

Tgt Ion	Ratio	Resp Lower	Resp Upper
252	100		
253	27.7	18.2	27.2#
125	11.5	7.5	11.3#





#91

Benzo(a)pyrene

Concen: 12.70 ng/ul

RT: 23.22 min Scan# 3494

Delta R.T. 0.02 min

Lab File: BG018216.D

Acq: 1 Aug 2015 12:13

Instrument :

BNA_G

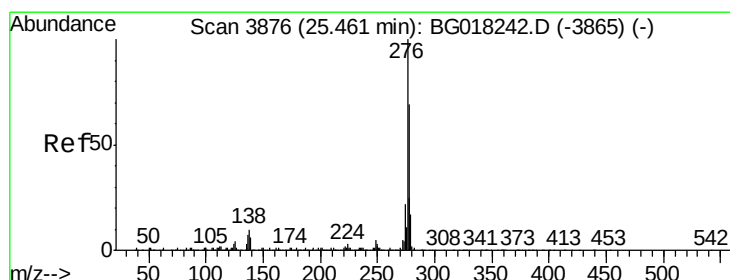
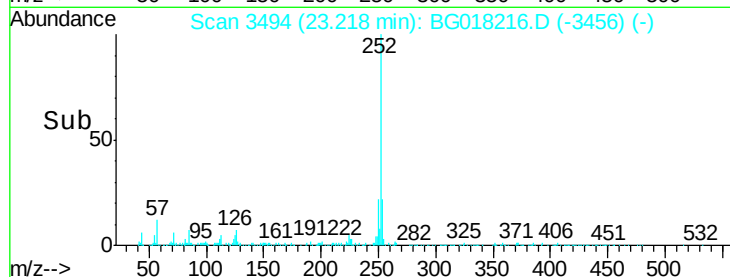
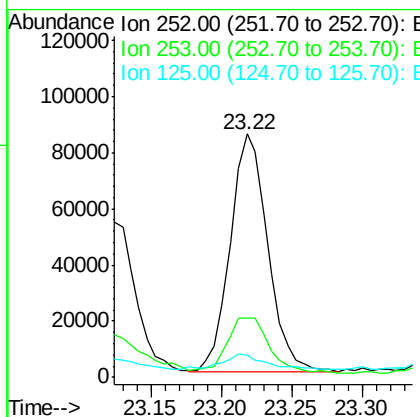
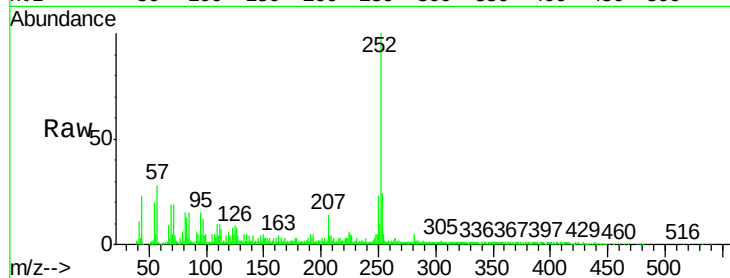
ClientSampled :

C01N7

Tgt Ion	Ratio	Resp	Lower	Upper
252	100	156818		
253	24.4		17.4	26.2
125	9.2		7.3	10.9

Manual Integrations
APPROVED

MMDadoda
8/4/2015 12:24:33 PM



#92

Indeno(1,2,3-cd)pyrene

Concen: 5.44 ng/ul

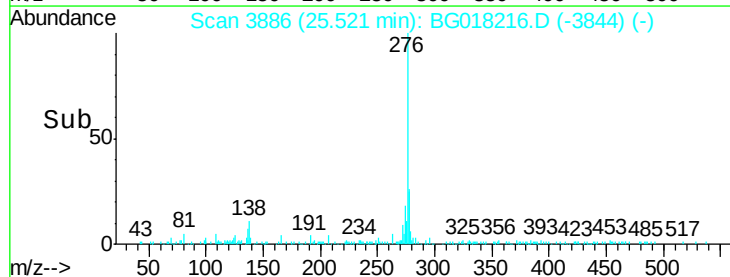
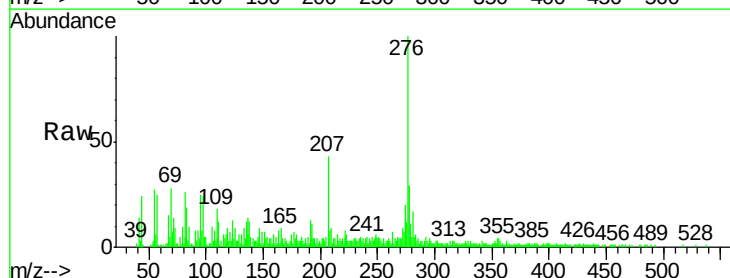
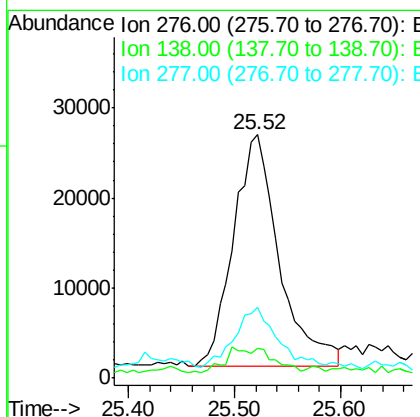
RT: 25.52 min Scan# 3886

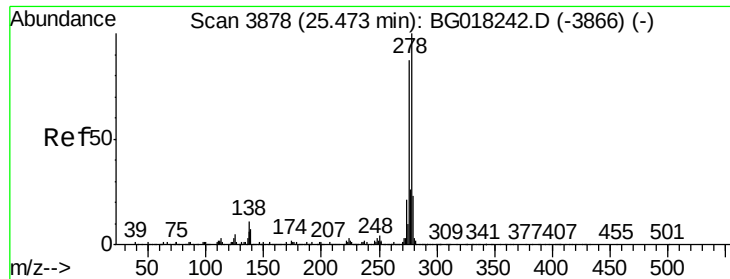
Delta R.T. 0.05 min

Lab File: BG018216.D

Acq: 1 Aug 2015 12:13

Tgt Ion	Ratio	Resp	Lower	Upper
276	100	77766		
138	12.3		17.2	25.8#
277	29.2		19.5	29.3





#93

Dibenzo(a,h)anthracene

Concen: 1.76 ng/ul m

RT: 25.52 min Scan# 3886

Delta R.T. 0.03 min

Lab File: BG018216.D

Acq: 1 Aug 2015 12:13

Instrument :

BNA_G

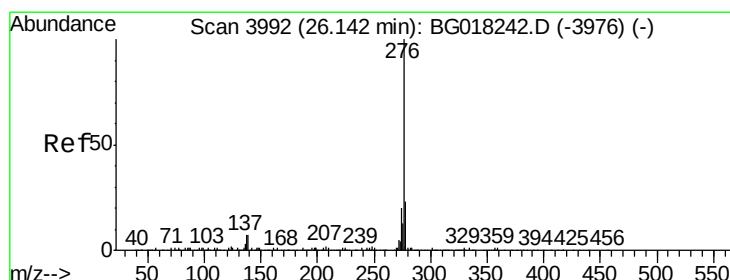
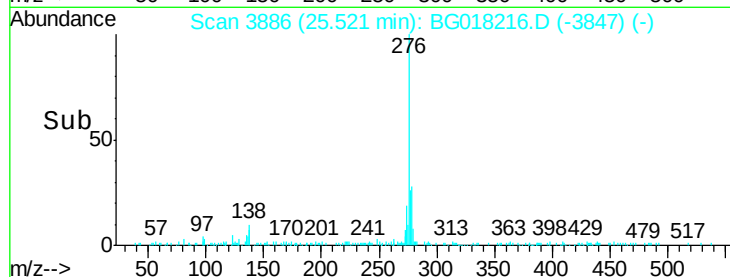
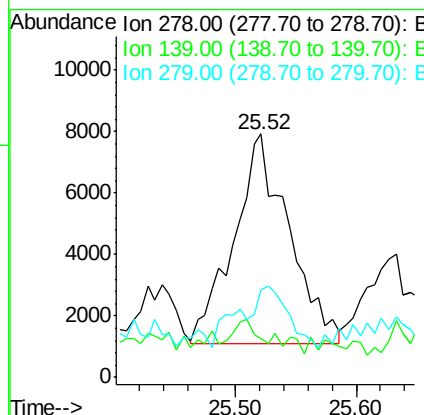
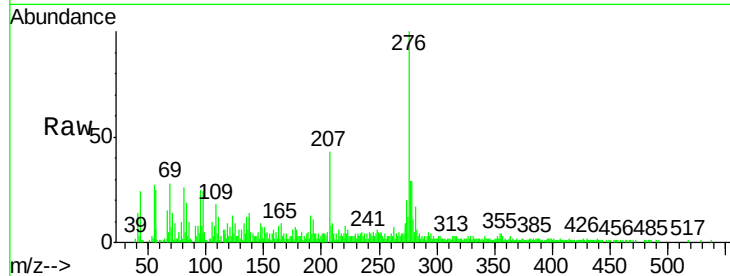
ClientSampleId :

C01N7

Tgt Ion:	278	Resp:	21476
Ion Ratio	Lower	Upper	
278	100		
139	16.0	12.2	18.2
279	36.1	20.0	30.0#

Manual Integrations
APPROVED

MMDadoda
8/4/2015 12:24:33 PM



#94

Benzo(g,h,i)perylene

Concen: 5.02 ng/ul

RT: 26.20 min Scan# 4001

Delta R.T. 0.05 min

Lab File: BG018216.D

Acq: 1 Aug 2015 12:13

Tgt Ion:	276	Resp:	58607
Ion Ratio	Lower	Upper	
276	100		
138	11.2	15.1	22.7#
277	28.4	19.8	29.6

