

Data Path : Z:\HPCHEM1\BNA_G\Data\BG080615\
 Data File : BG018305.D
 Acq On : 6 Aug 2015 15:20
 Operator : UM/TP
 Sample : G3109-15DL 5X
 Misc :
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 C01W3DL

Manual Integrations
 APPROVED

MMDadoda
 8/10/2015 10:12:38 AM

Quant Time: Aug 14 03:17:05 2015
 Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG080515.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Fri Aug 07 01:32:43 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.43	152	23166	20.00	ng/ul	0.00
18) Naphthalene-d8	10.21	136	98390	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.12	164	71921	20.00	ng/ul	0.00
62) Phenanthrene-d10	16.88	188	152983	20.00	ng/ul	-0.01
78) Chrysene-d12	21.09	240	94490	20.00	ng/ul	-0.01
86) Perylene-d12	23.26	264	83229	20.00	ng/ul	-0.02

System Monitoring Compounds

3) 1,4-Dioxane-d8	0.00	96	0d	0.00	ng/uL	
5) Phenol-d5	6.64	99	7149	3.92	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	6.77	67	3704	4.21	ng/ul	-0.01
9) 2-Chlorophenol-d4	6.97	132	5877	3.87	ng/ul	0.00
13) 4-Methylphenol-d8	8.17	113	3853	2.51	ng/ul	0.00
19) Nitrobenzene-d5	8.59	128	3220	4.23	ng/ul	-0.01
22) 2-Nitrophenol-d4	9.30	143	3853	4.37	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	9.86	165	6283	3.88	ng/ul	0.00
29) 4-Chloroaniline-d4	0.00	131	0d	0.00	ng/ul	
44) Dimethylphthalate-d6	13.53	166	24343	4.38	ng/ul	-0.01
47) Acenaphthylene-d8	13.80	160	24982	3.96	ng/ul	0.00
52) 4-Nitrophenol-d4	14.39	143	1981	2.16	ng/ul	0.00
58) Fluorene-d10	15.11	176	19915	3.99	ng/ul	-0.01
63) 4,6-Dinitro-2-methylphenol	15.28	200	1202	1.13	ng/ul	0.00
71) Anthracene-d10	16.97	188	27144	4.03	ng/ul	-0.01
79) Pyrene-d10	19.29	212	22691	4.29	ng/ul	0.00
90) Benzo(a)pyrene-d12	23.12	264	16022	3.70	ng/ul	-0.02

Target Compounds

						Qvalue
28) Naphthalene	10.26	128	10517	2.27	ng/ul#	95
34) 2-Methylnaphthalene	11.89	142	6079	1.64	ng/ul	95
45) Dimethylphthalate	13.58	163	9740	1.76	ng/ul#	95
50) Acenaphthene	14.18	153	23682	5.63	ng/ul#	89
54) Dibenzofuran	14.52	168	19032	3.08	ng/ul	91
59) Fluorene	15.17	166	38542	7.09	ng/ul	94
70) Phenanthrene	16.92	178	392896	50.89	ng/ul	96
72) Anthracene	17.01	178	94674	12.29	ng/ul	97
75) Carbazole	17.29	167	15956	2.45	ng/ul#	92
76) Di-n-butylphthalate	17.86	149	14467	1.59	ng/ul	97
77) Fluoranthene	18.95	202	321299	37.52	ng/ul#	96
80) Pyrene	19.32	202	304259	46.31	ng/ul	98
83) Benzo(a)anthracene	21.07	228	99340	19.92	ng/ul	96
84) Bis(2-ethylhexyl)phthalate	21.01	149	12794	4.17	ng/ul#	94
85) Chrysene	21.13	228	81445m	18.17	ng/ul	
88) Benzo(b)fluoranthene	22.61	252	91841	17.99	ng/ul#	98
89) Benzo(k)fluoranthene	22.64	252	30888m	6.31	ng/ul	
91) Benzo(a)pyrene	23.16	252	68385m	15.34	ng/ul	
92) Indeno(1,2,3-cd)pyrene	25.44	276	45174	8.19	ng/ul	98
93) Dibenzo(a,h)anthracene	25.43	278	12579m	2.60	ng/ul	
94) Benzo(g,h,i)perylene	26.10	276	36923	8.25	ng/ul	92

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ALS Vial : 31 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
C01W3DL

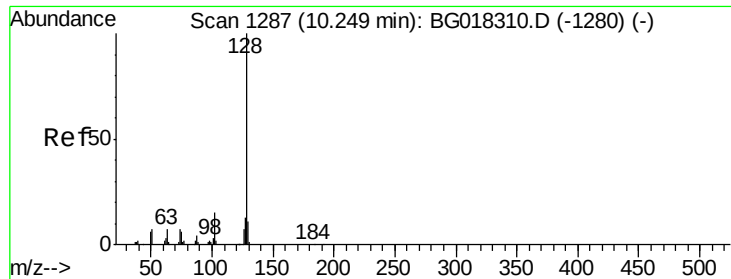
Manual Integrations
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Quant Time: Aug 14 03:17:05 2015
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG080515.M
Quant Title : SVOA CALIBRATION
QLast Update : Fri Aug 07 01:32:43 2015
Response via : Initial Calibration

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



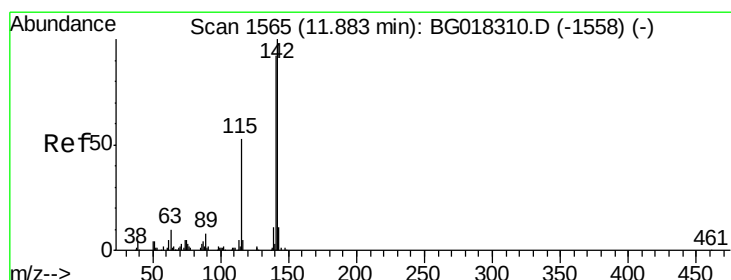
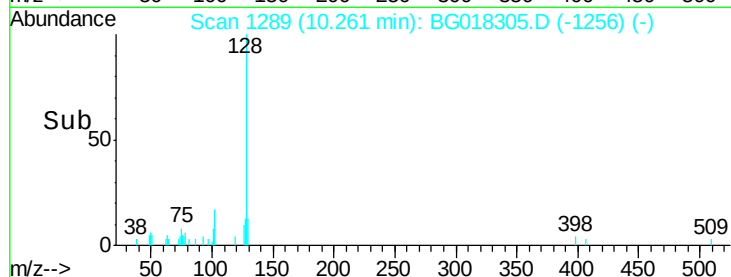
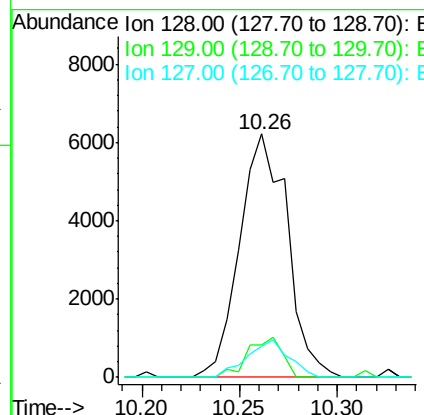
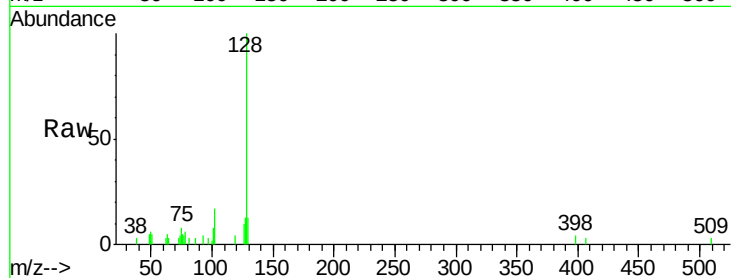
#28
Naphthalene
Concen: 2.27 ng/ul
RT: 10.26 min Scan# 1289
Delta R.T. -0.01 min
Lab File: BG018305.D
Acq: 6 Aug 2015 15:20

Instrument :
BNA_G
ClientSampleId :
C01W3DL

Tgt Ion	Ratio	Lower	Upper
128	100		
129	13.3	7.8	11.6#
127	13.0	10.2	15.4

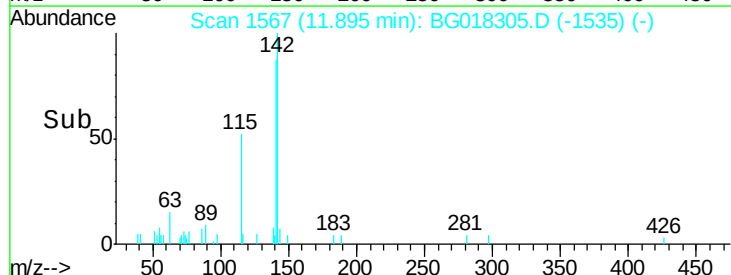
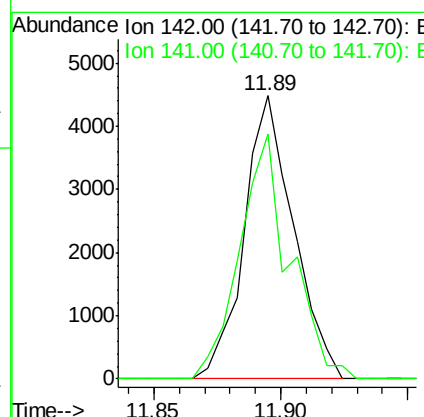
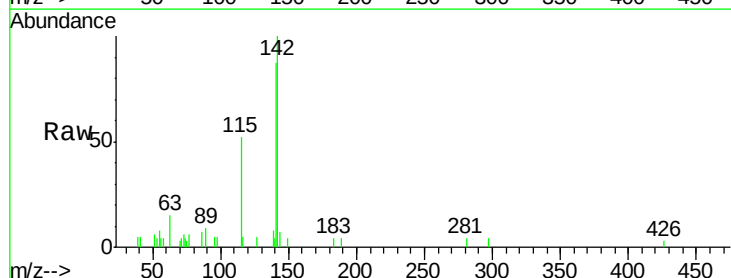
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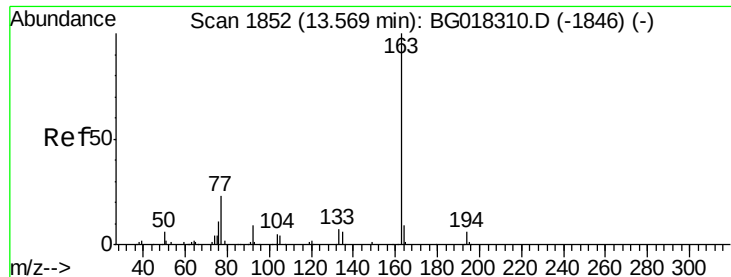
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#34
2-Methylnaphthalene
Concen: 1.64 ng/ul
RT: 11.89 min Scan# 1567
Delta R.T. -0.01 min
Lab File: BG018305.D
Acq: 6 Aug 2015 15:20

Tgt Ion	Ratio	Lower	Upper
142	100		
141	86.6	65.9	98.9





#45

Dimethylphthalate

Concen: 1.76 ng/ul

RT: 13.58 min Scan# 1853

Delta R.T. -0.01 min

Lab File: BG018305.D

Acq: 6 Aug 2015 15:20

Instrument :

BNA_G

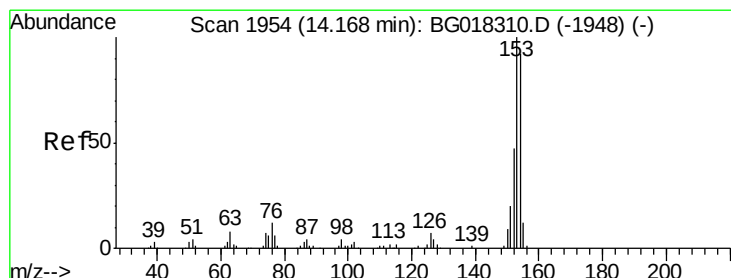
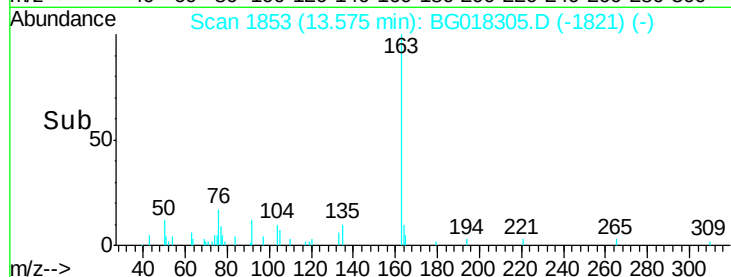
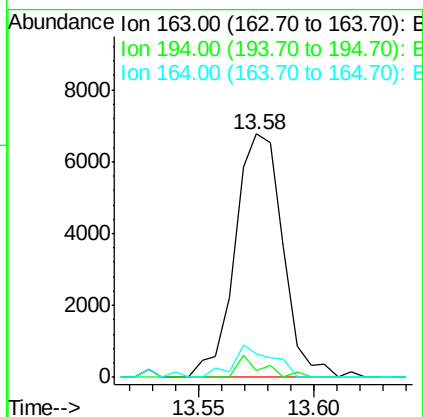
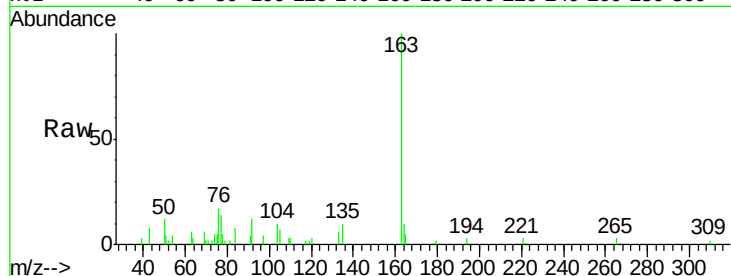
ClientSampleId :

C01W3DL

Tgt Ion:	163	Resp:	9740
Ion Ratio		Lower	Upper
163	100		
194	3.0	5.4	8.2#
164	9.8	7.8	11.8

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#50

Acenaphthene

Concen: 5.63 ng/ul

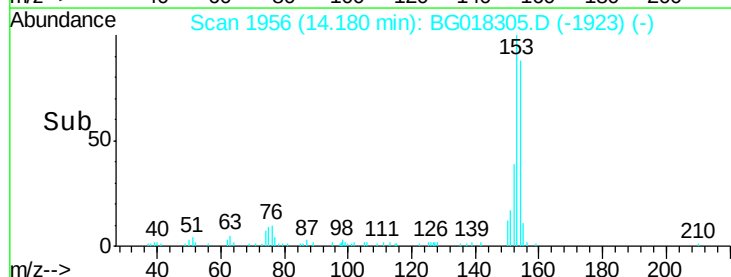
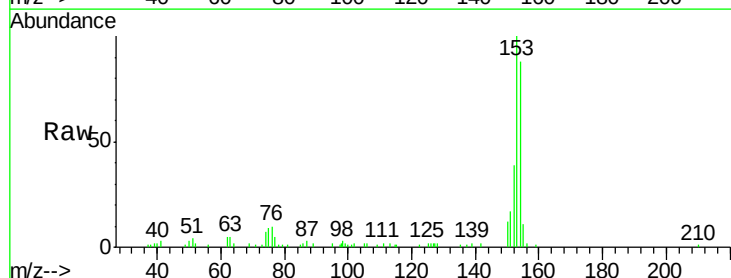
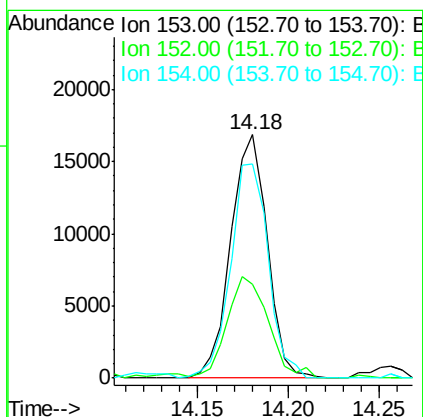
RT: 14.18 min Scan# 1956

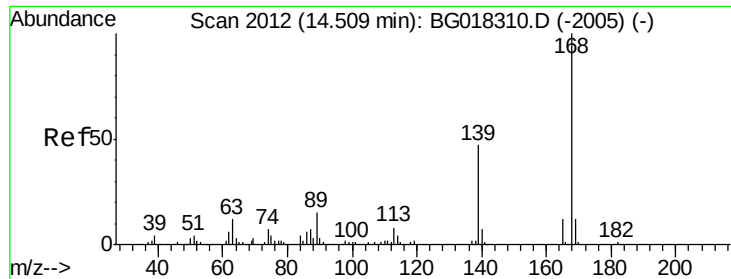
Delta R.T. -0.01 min

Lab File: BG018305.D

Acq: 6 Aug 2015 15:20

Tgt Ion:	153	Resp:	23682
Ion Ratio		Lower	Upper
153	100		
152	38.7	39.0	58.4#
154	87.9	77.4	116.2





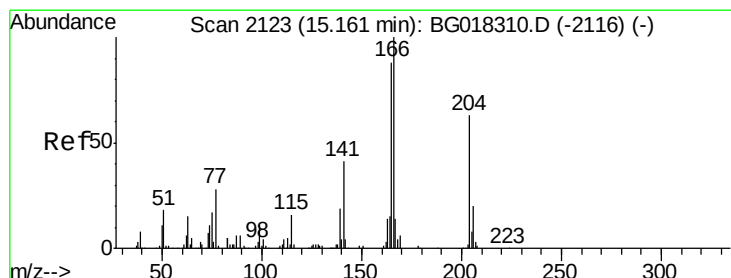
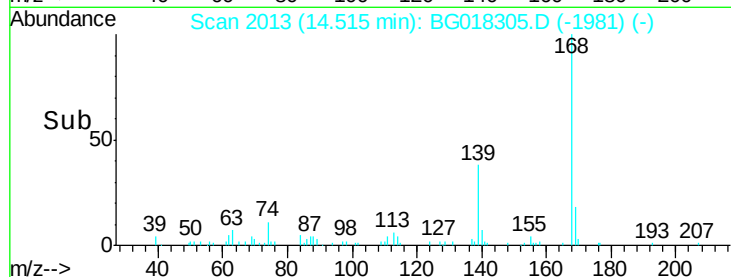
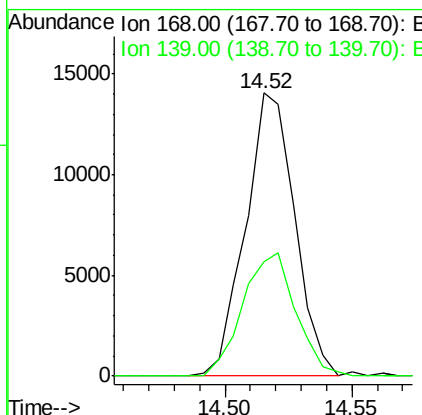
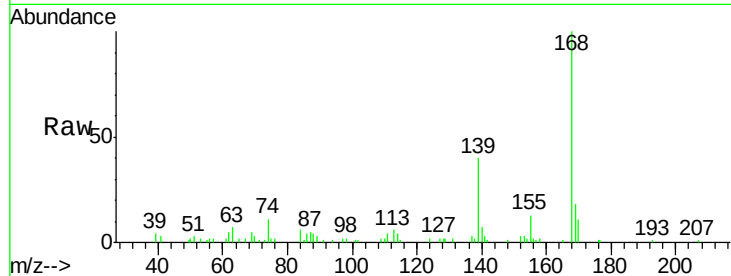
#54
Dibenzenofuran
Concen: 3.08 ng/ul
RT: 14.52 min Scan# 2013
Delta R.T. -0.01 min
Lab File: BG018305.D
Acq: 6 Aug 2015 15:20

Instrument :
BNA_G
ClientSampleId :
C01W3DL

Tgt Ion:168 Resp: 19032
Ion Ratio Lower Upper
168 100
139 40.5 37.1 55.7

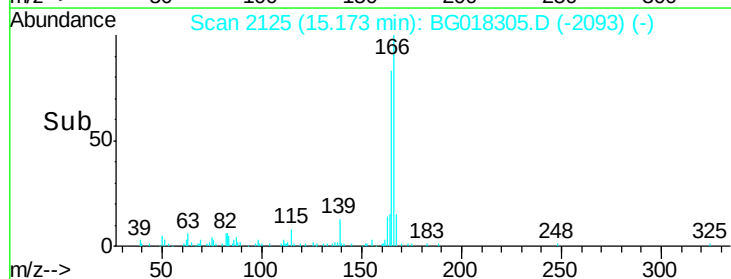
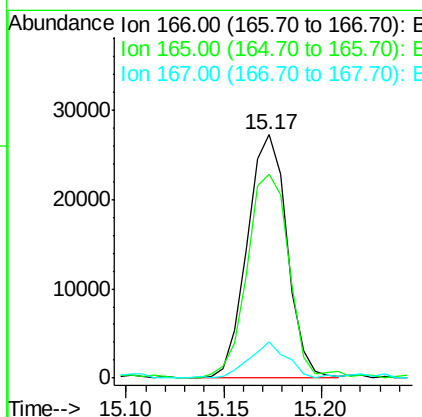
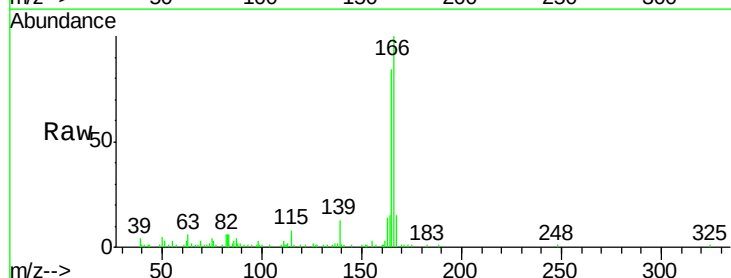
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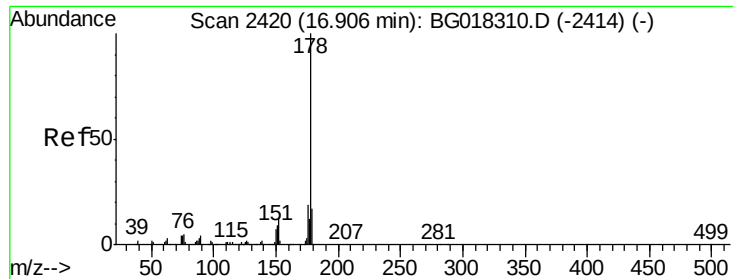
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#59
Fluorene
Concen: 7.09 ng/ul
RT: 15.17 min Scan# 2125
Delta R.T. -0.01 min
Lab File: BG018305.D
Acq: 6 Aug 2015 15:20

Tgt Ion:166 Resp: 38542
Ion Ratio Lower Upper
166 100
165 84.0 72.4 108.6
167 14.9 11.4 17.0





#70

Phenanthrene

Concen: 50.89 ng/ul

RT: 16.92 min Scan# 2422

Delta R.T. -0.01 min

Lab File: BG018305.D

Acq: 6 Aug 2015 15:20

Instrument :

BNA_G

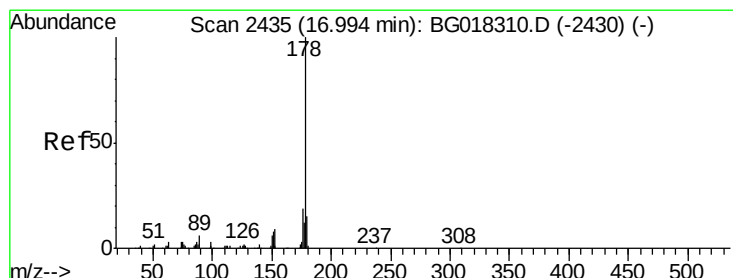
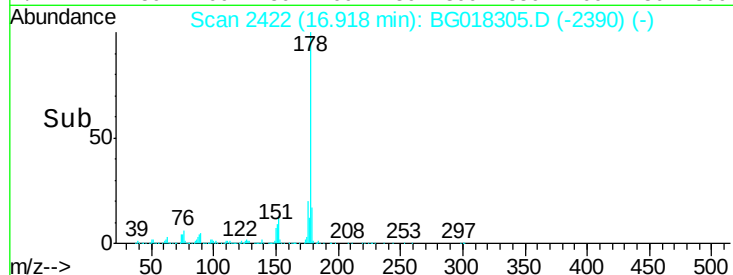
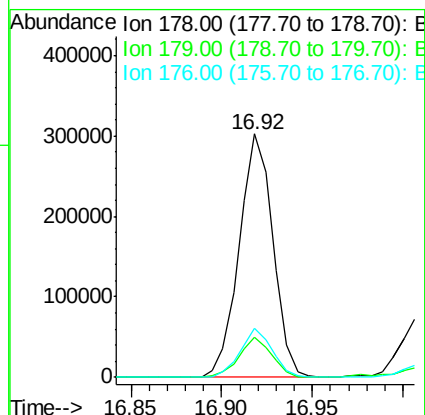
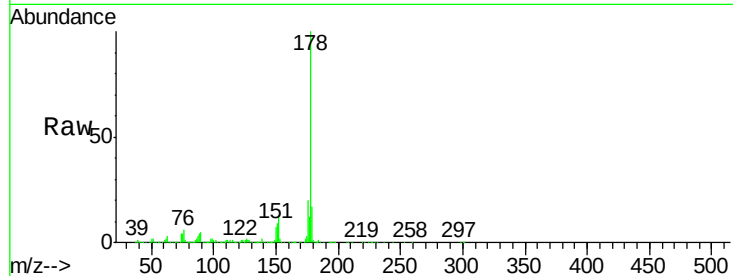
ClientSampleId :

C01W3DL

Tgt Ion:	178	Resp:	392896
Ion Ratio	Lower	Upper	
178	100		
179	16.6	12.2	18.4
176	20.3	14.5	21.7

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#72

Anthracene

Concen: 12.29 ng/ul

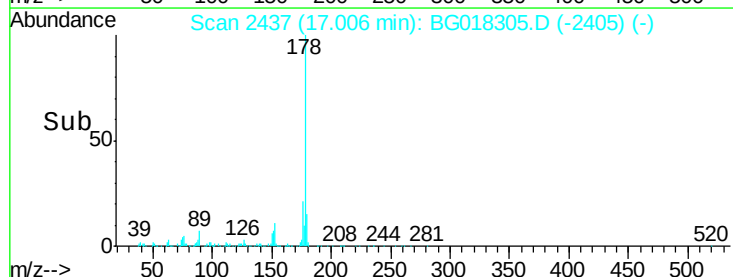
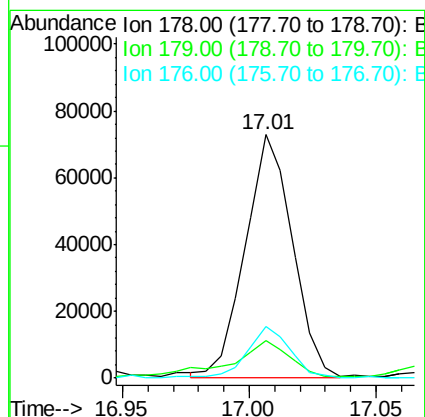
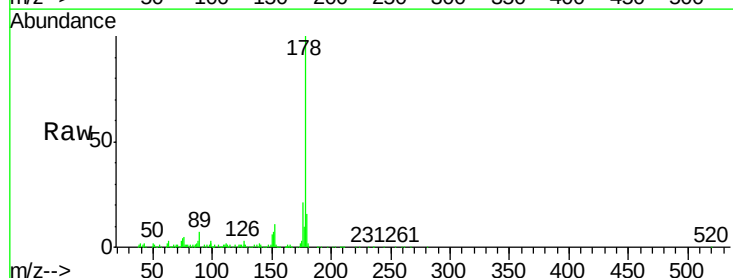
RT: 17.01 min Scan# 2437

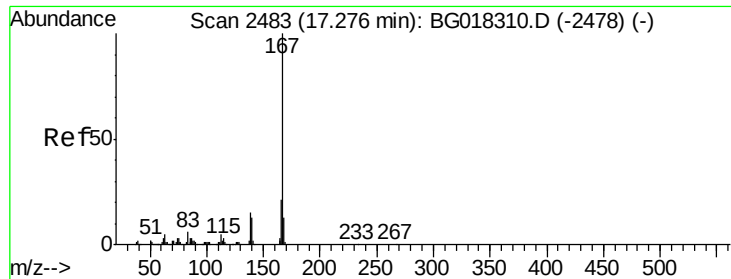
Delta R.T. -0.01 min

Lab File: BG018305.D

Acq: 6 Aug 2015 15:20

Tgt Ion:	178	Resp:	94674
Ion Ratio	Lower	Upper	
178	100		
179	15.5	12.2	18.4
176	21.1	15.3	22.9





#75

Carbazole

Concen: 2.45 ng/ul

RT: 17.29 min Scan# 2485

Delta R.T. -0.01 min

Lab File: BG018305.D

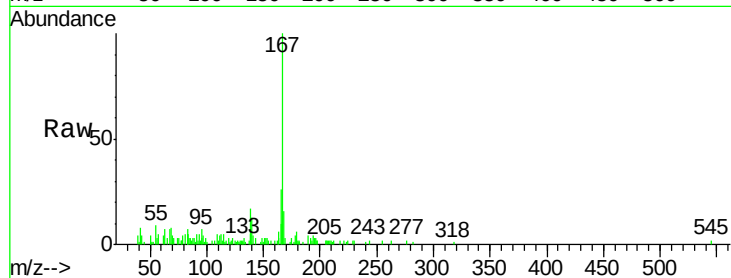
Acq: 6 Aug 2015 15:20

Instrument :

BNA_G

ClientSampleId :

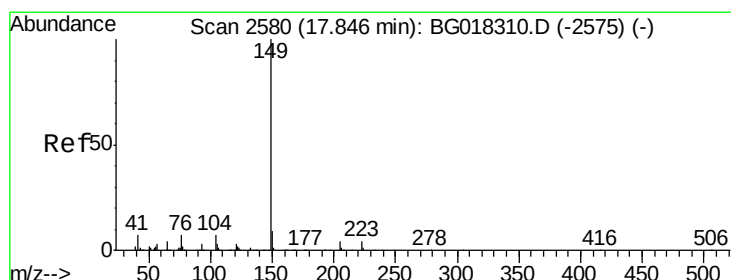
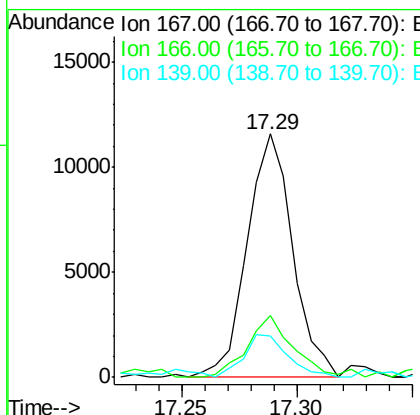
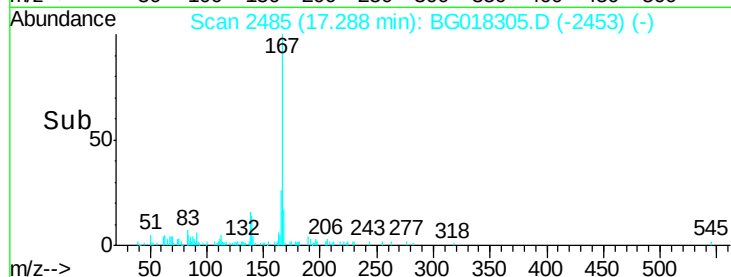
C01W3DL



Tgt Ion:	167	Resp:	15956
Ion Ratio	Lower	Upper	
167	100		
166	25.7	17.8	26.8
139	16.8	10.6	16.0

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#76

Di-n-butylphthalate

Concen: 1.59 ng/ul

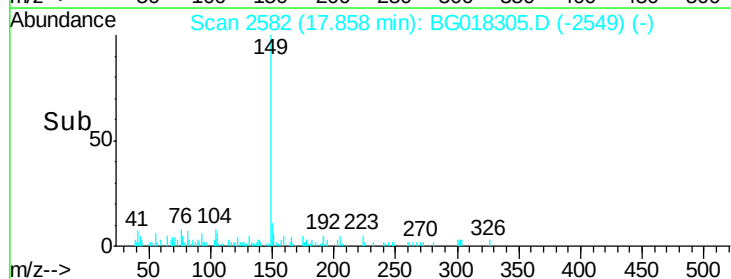
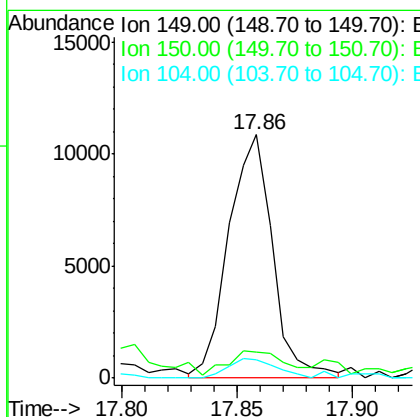
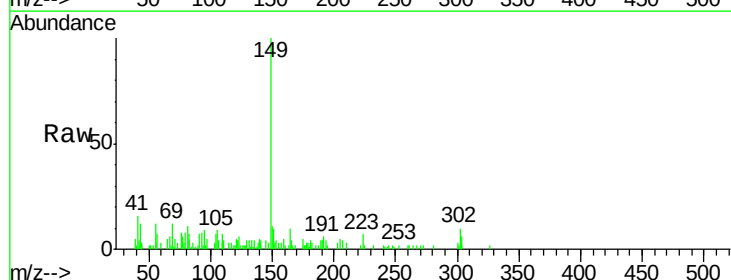
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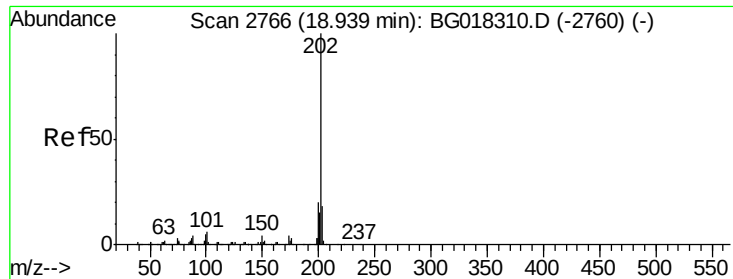
Delta R.T. -0.01 min

Lab File: BG018305.D

Acq: 6 Aug 2015 15:20

Tgt Ion:	149	Resp:	14467
Ion Ratio	Lower	Upper	
149	100		
150	10.8	7.4	11.2
104	7.4	5.5	8.3





#77

Fluoranthene

Concen: 37.52 ng/ul

RT: 18.95 min Scan# 2768

Delta R.T. -0.01 min

Lab File: BG018305.D

Acq: 6 Aug 2015 15:20

Instrument :

BNA_G

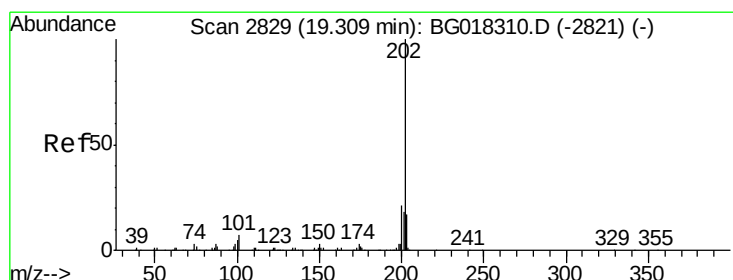
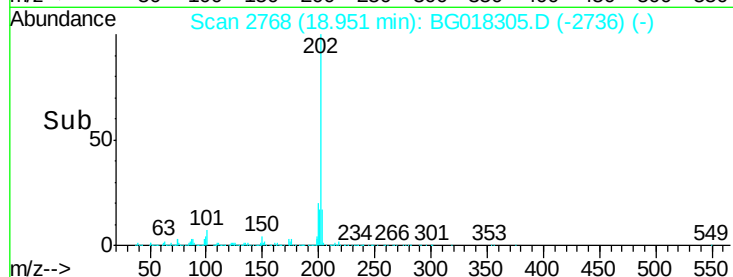
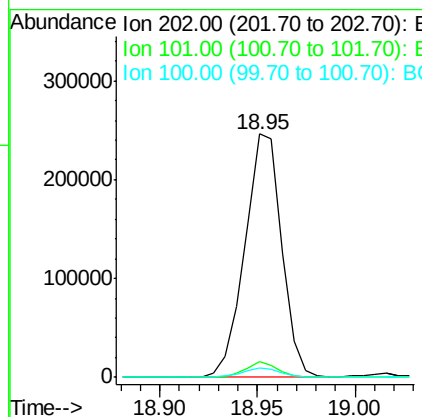
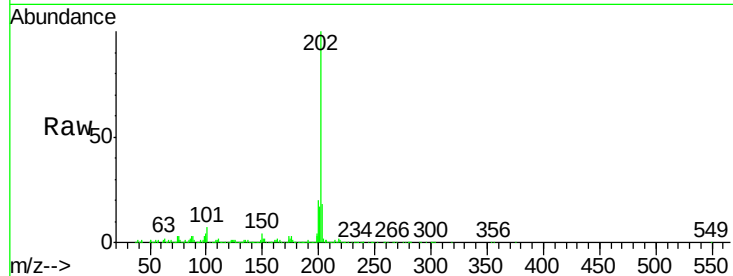
ClientSampleId :

C01W3DL

Tgt	Ion	Ratio	Resp	Lower	Upper
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101	6.6	6.2	9.2		
100	4.0	4.6	6.8#		

Manual Integrations
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#80

Pyrene

Concen: 46.31 ng/ul

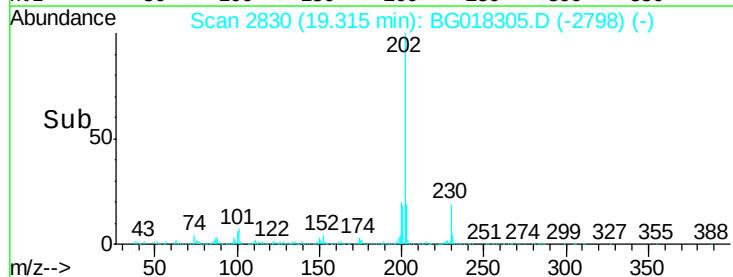
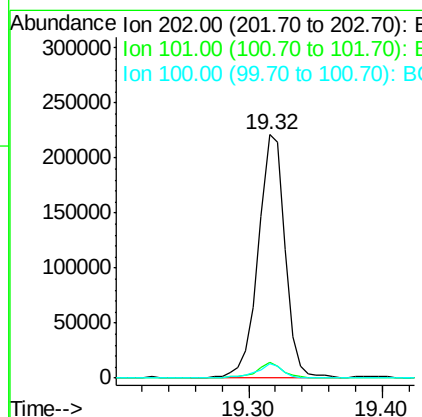
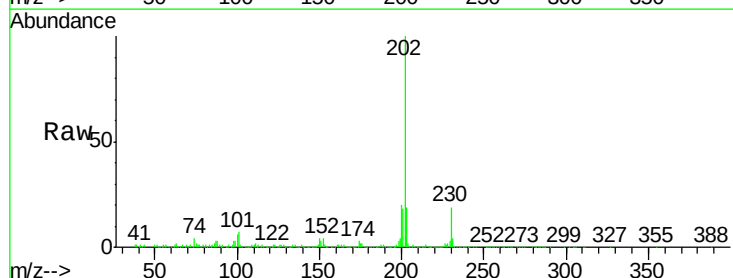
RT: 19.32 min Scan# 2830

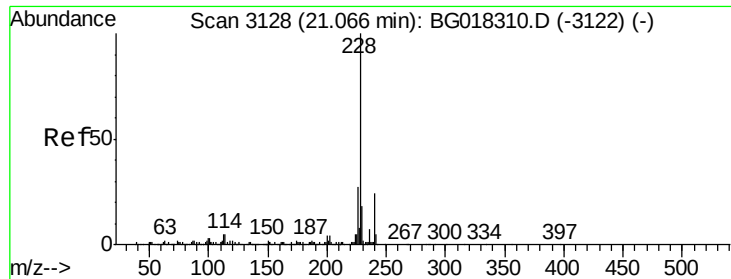
Delta R.T. -0.01 min

Lab File: BG018305.D

Acq: 6 Aug 2015 15:20

Tgt	Ion	Ratio	Resp	Lower	Upper
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101	6.6	6.2	9.2		
100	5.8	4.6	7.0		





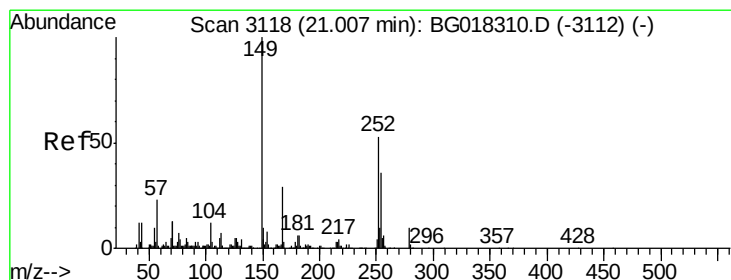
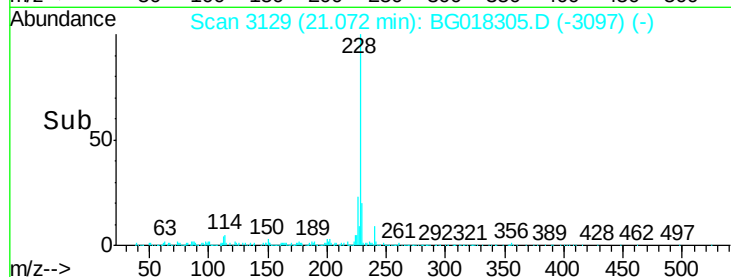
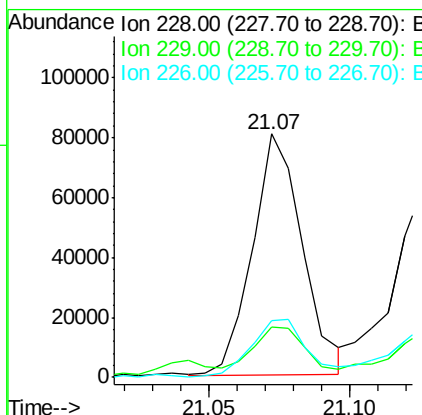
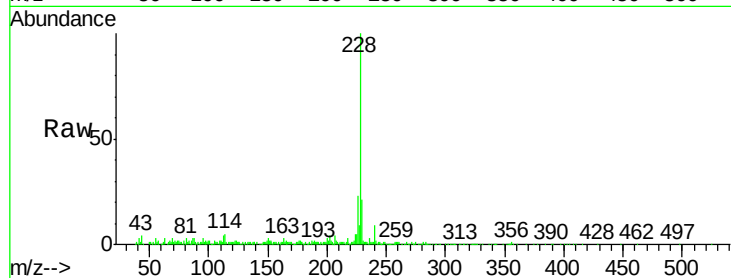
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 Benzo(a)anthracene
 Concen: 19.92 ng/ul
 RT: 21.07 min Scan# 3129
 Delta R.T. -0.01 min
 Lab File: BG018305.D
 Acq: 6 Aug 2015 15:20

Instrument :
 BNA_G
 ClientSampleId :
 C01W3DL

Tgt Ion	Ratio	Lower	Upper
228	100		
229	20.8	16.3	24.5
226	23.5	21.2	31.8

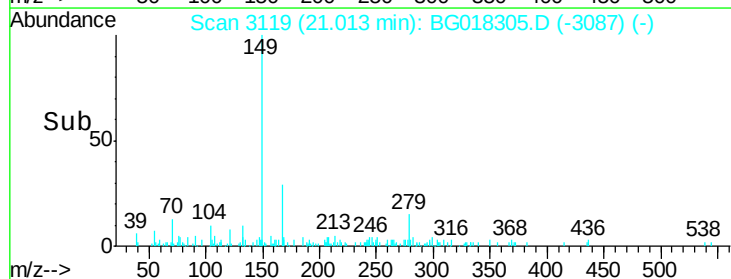
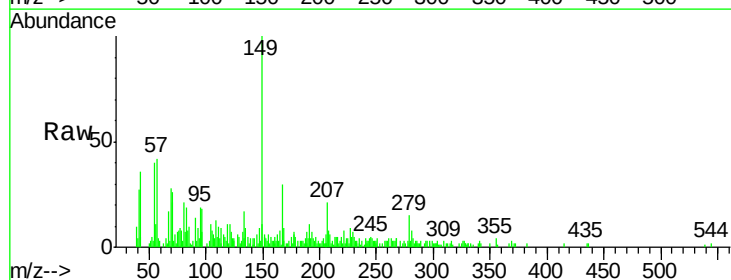
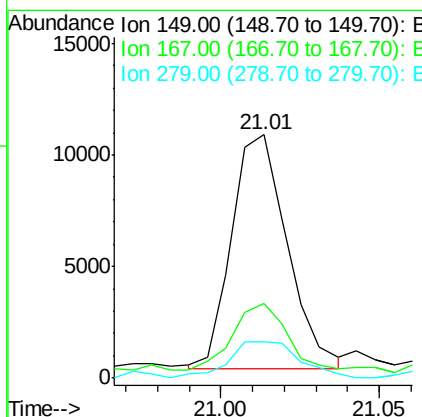
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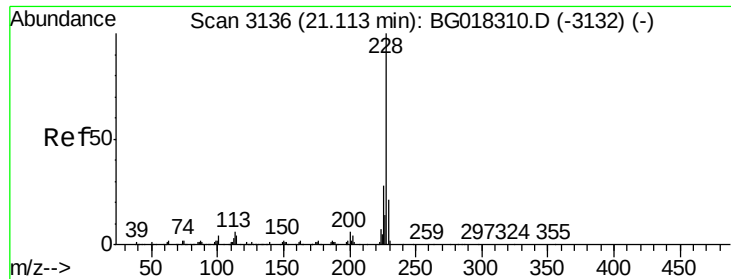
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#84
 Bis(2-ethylhexyl)phthalate
 Concen: 4.17 ng/ul
 RT: 21.01 min Scan# 3119
 Delta R.T. -0.01 min
 Lab File: BG018305.D
 Acq: 6 Aug 2015 15:20

Tgt Ion	Ratio	Lower	Upper
149	100		
167	30.5	26.4	39.6
279	15.0	8.6	12.8#





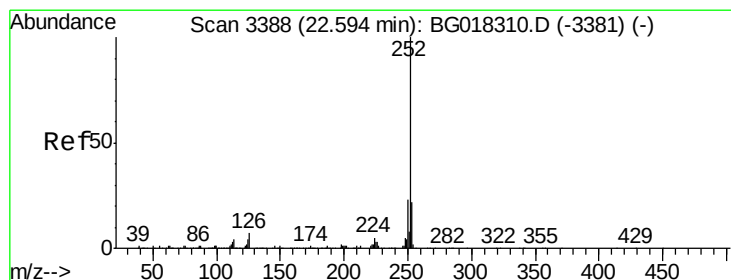
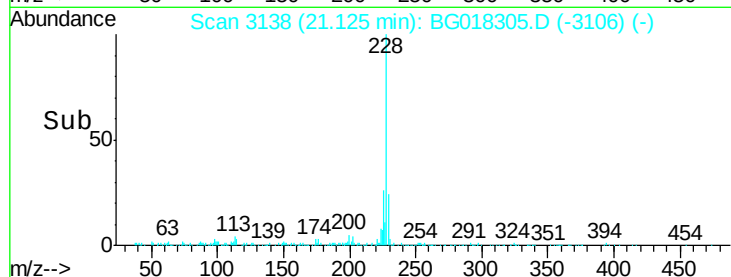
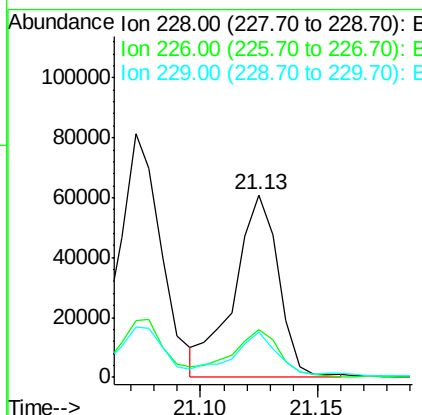
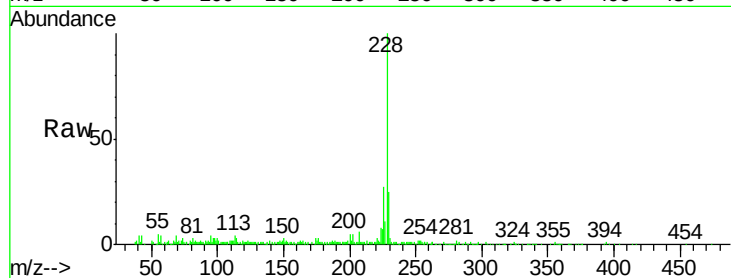
#85
Chrysene
Concen: 18.17 ng/ul m
RT: 21.13 min Scan# 3138
Delta R.T. -0.01 min
Lab File: BG018305.D
Acq: 6 Aug 2015 15:20

Instrument :
BNA_G
ClientSampleId :
C01W3DL

Tgt Ion	Ratio	Resp	Lower	Upper
228	100	81445		
226	26.5	23.0	34.6	
229	24.5	15.9	23.9#	

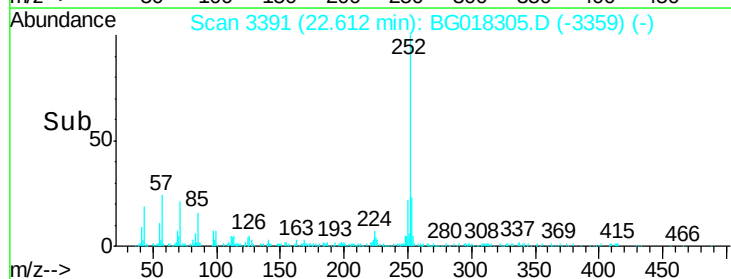
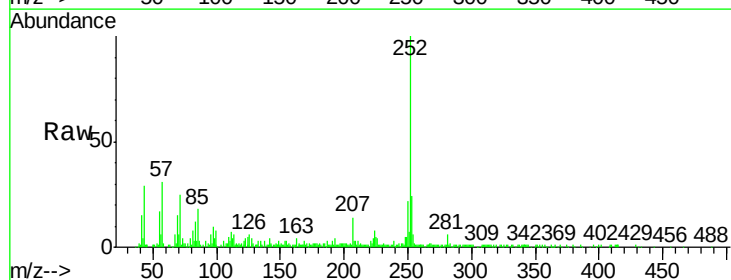
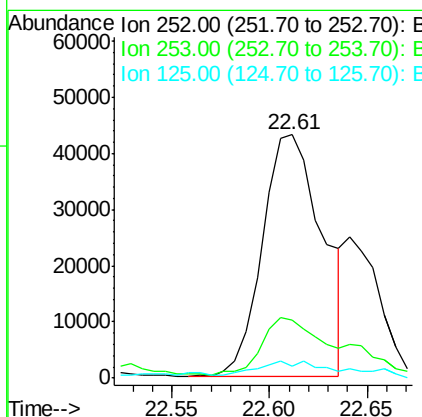
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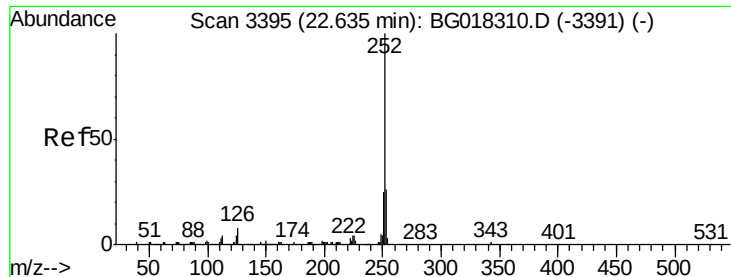
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#88
Benzo(b)fluoranthene
Concen: 17.99 ng/ul
RT: 22.61 min Scan# 3391
Delta R.T. -0.01 min
Lab File: BG018305.D
Acq: 6 Aug 2015 15:20

Tgt Ion	Ratio	Resp	Lower	Upper
252	100	91841		
253	23.7	18.1	27.1	
125	5.1	3.1	4.7#	





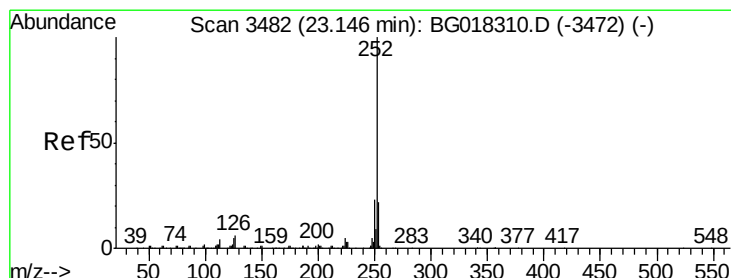
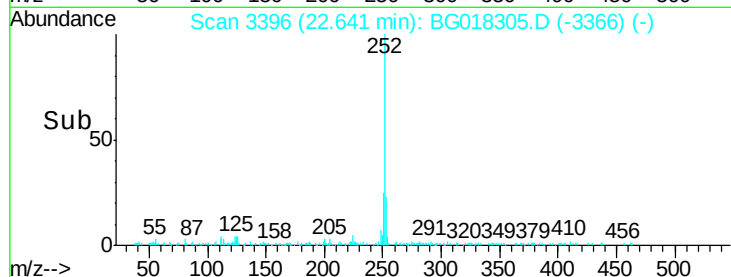
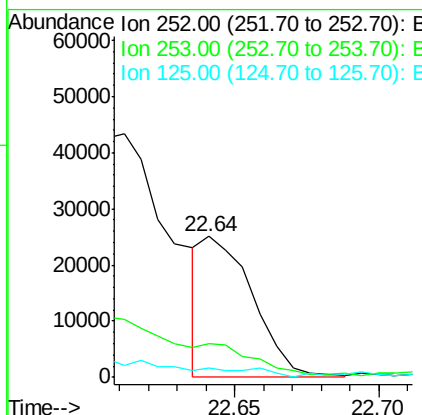
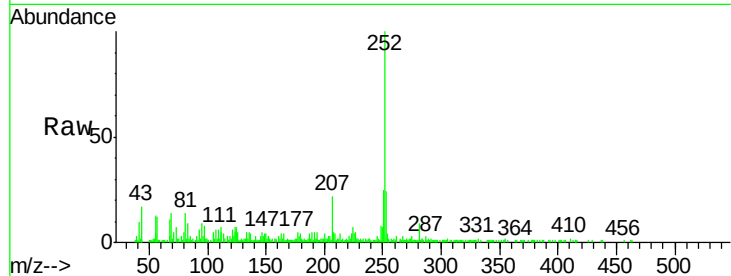
#89
Benzo(k)fluoranthene
Concen: 6.31 ng/ul m
RT: 22.64 min Scan# 3396
Delta R.T. -0.02 min
Lab File: BG018305.D
Acq: 6 Aug 2015 15:20

Instrument :
BNA_G
ClientSampleId :
C01W3DL

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.3	16.4	24.6
125	6.5	3.4	5.2#

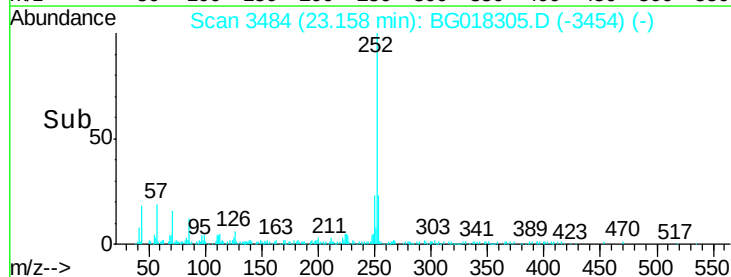
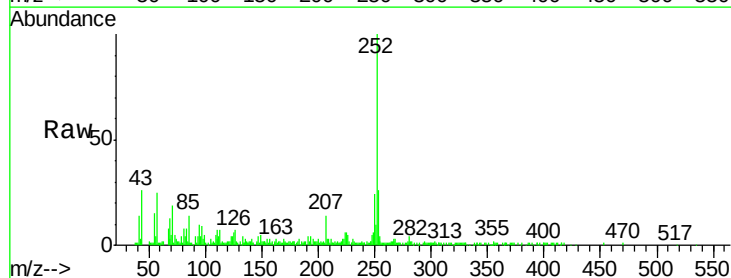
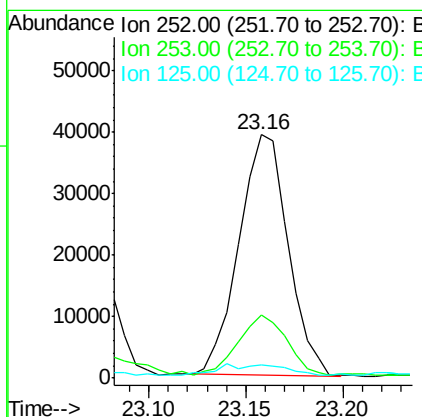
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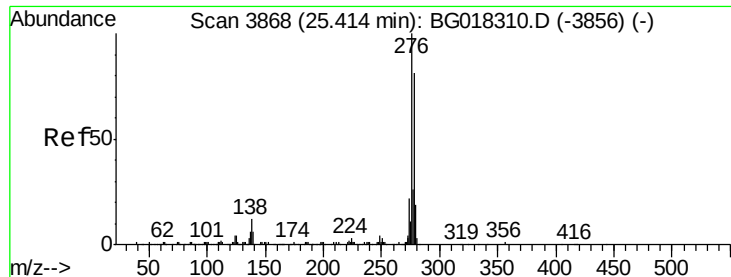
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#91
Benzo(a)pyrene
Concen: 15.34 ng/ul m
RT: 23.16 min Scan# 3484
Delta R.T. -0.02 min
Lab File: BG018305.D
Acq: 6 Aug 2015 15:20

Tgt Ion	Ratio	Lower	Upper
252	100		
253	25.9	18.9	28.3
125	5.6	3.2	4.8#





#92

Indeno(1,2,3-cd)pyrene

Concen: 8.19 ng/ul

RT: 25.44 min Scan# 3872

Delta R.T. -0.03 min

Lab File: BG018305.D

Acq: 6 Aug 2015 15:20

Instrument :

BNA_G

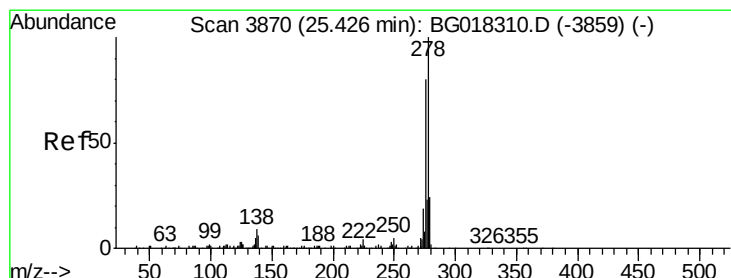
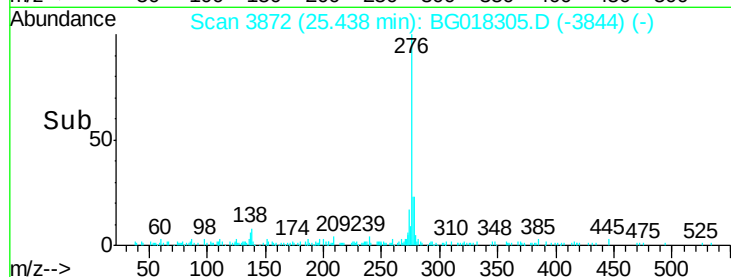
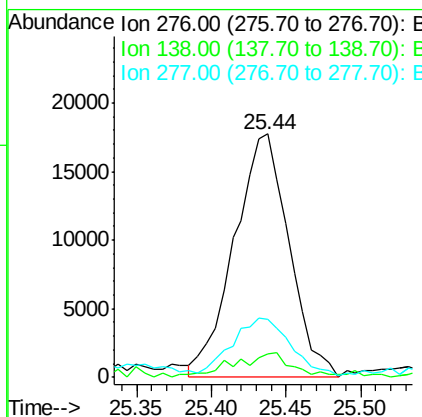
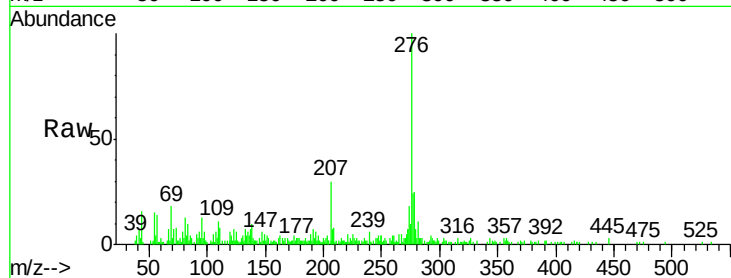
ClientSampleId :

C01W3DL

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Tgt Ion:	276	Resp:	45174
Ion Ratio	Lower	Upper	
276	100		
138	9.8	8.2	12.4
277	24.0	20.1	30.1



#93

Dibenzo(a,h)anthracene

Concen: 2.60 ng/ul m

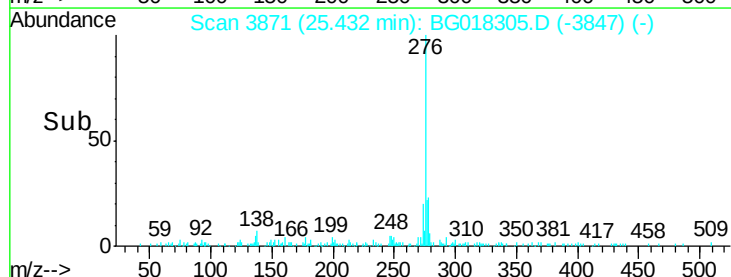
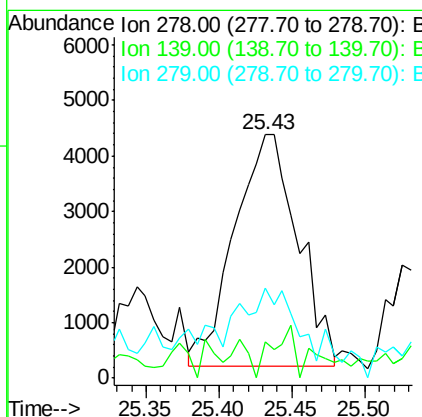
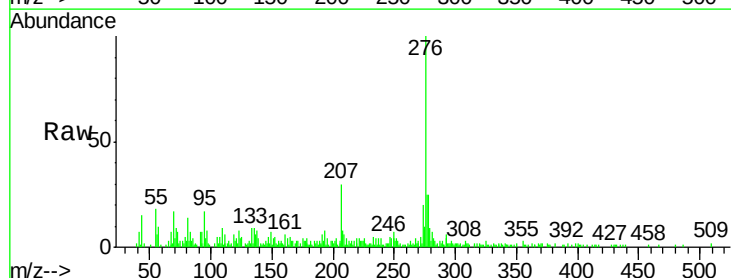
RT: 25.43 min Scan# 3871

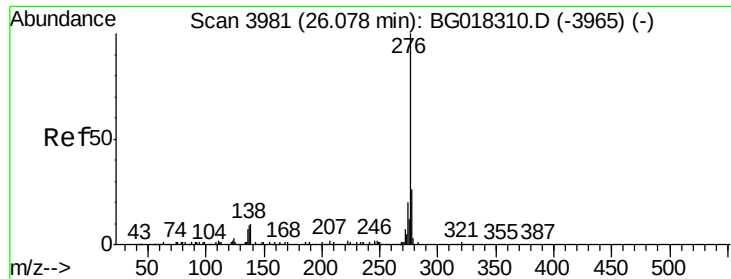
Delta R.T. -0.06 min

Lab File: BG018305.D

Acq: 6 Aug 2015 15:20

Tgt Ion:	278	Resp:	12579
Ion Ratio	Lower	Upper	
278	100		
139	14.9	5.8	8.8#
279	37.0	19.8	29.6#





#94

Benzo(g,h,i)perylene

Concen: 8.25 ng/ul

RT: 26.10 min Scan# 3985

Delta R.T. -0.05 min

Lab File: BG018305.D

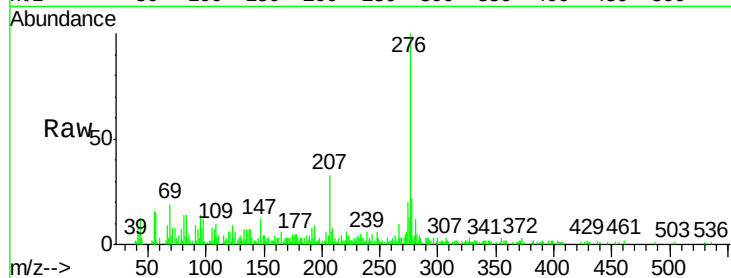
Acq: 6 Aug 2015 15:20

Instrument :

BNA_G

ClientSampleId :

C01W3DL



Tgt	Ion	Ratio	Lower	Upper
276	100			
138	6.6	6.0	9.0	
277	21.7	21.1	31.7	

Manual Integrations
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