

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG080715\
 Data File : BG018311.D
 Acq On : 7 Aug 2015 16:00
 Operator : UM/TP
 Sample : G3030-20REDL 5X

Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 C02K6REDL

Manual Integrations
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 8/10/2015 9:29:40 AM

Quant Time: Aug 08 00:52:18 2015
 Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG080515.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Fri Aug 07 23:39:35 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.42	152	20460	20.00	ng/ul	0.00
18) Naphthalene-d8	10.20	136	93333	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.10	164	60742	20.00	ng/ul	0.00
62) Phenanthrene-d10	16.86	188	129104m	20.00	ng/ul	0.00
78) Chrysene-d12	21.07	240	104929	20.00	ng/ul	0.00
86) Perylene-d12	23.23	264	84177	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	0.00	96	0d	0.00	ng/uL	
5) Phenol-d5	6.63	99	6965	4.33	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	6.76	67	3840	4.94	ng/ul	0.00
9) 2-Chlorophenol-d4	6.95	132	5650	4.22	ng/ul	0.00
13) 4-Methylphenol-d8	8.15	113	5326	3.92	ng/ul	0.00
19) Nitrobenzene-d5	8.57	128	2653	3.67	ng/ul	0.00
22) 2-Nitrophenol-d4	9.29	143	3304	3.95	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	9.85	165	5766	3.75	ng/ul	0.00
29) 4-Chloroaniline-d4	10.36	131	3507	1.91	ng/ul	0.01
44) Dimethylphthalate-d6	13.52	166	21033	4.48	ng/ul	0.00
47) Acenaphthylene-d8	13.79	160	23391	4.39	ng/ul	0.00
52) 4-Nitrophenol-d4	14.37	143	1660m	2.14	ng/ul	0.00
58) Fluorene-d10	15.10	176	18052	4.28	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.26	200	2172m	2.43	ng/ul	0.00
71) Anthracene-d10	16.96	188	24225	4.27	ng/ul	0.00
79) Pyrene-d10	19.27	212	23059	3.93	ng/ul	0.00
90) Benzo(a)pyrene-d12	23.09	264	15912	3.63	ng/ul	-0.01

Target Compounds

						Qvalue
28) Naphthalene	10.25	128	6087	1.39	ng/ul	98
45) Dimethylphthalate	13.57	163	8215	1.75	ng/ul#	94
50) Acenaphthene	14.17	153	6476	1.82	ng/ul#	94
59) Fluorene	15.16	166	8561	1.87	ng/ul#	73
70) Phenanthrene	16.90	178	123808m	19.00	ng/ul	
72) Anthracene	16.99	178	28867	4.44	ng/ul	98
75) Carbazole	17.28	167	10987m	2.00	ng/ul	
77) Fluoranthene	18.94	202	158602m	21.95	ng/ul	
80) Pyrene	19.30	202	138404	18.97	ng/ul	98
83) Benzo(a)anthracene	21.06	228	60640	10.95	ng/ul	96
84) Bis(2-ethylhexyl)phthalate	21.00	149	10508	3.09	ng/ul#	89
85) Chrysene	21.11	228	56091	11.27	ng/ul	96
88) Benzo(b)fluoranthene	22.58	252	55183	10.69	ng/ul#	96
89) Benzo(k)fluoranthene	22.62	252	19178	3.87	ng/ul#	96
91) Benzo(a)pyrene	23.13	252	37133	8.24	ng/ul	95
92) Indeno(1,2,3-cd)pyrene	25.39	276	28168	5.05	ng/ul	98
94) Benzo(g,h,i)perylene	26.06	276	26015	5.75	ng/ul	97

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

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG080715\
Data File : BG018311.D
Acq On : 7 Aug 2015 16:00
Operator : UM/TP
Sample : G3030-20REDL 5X

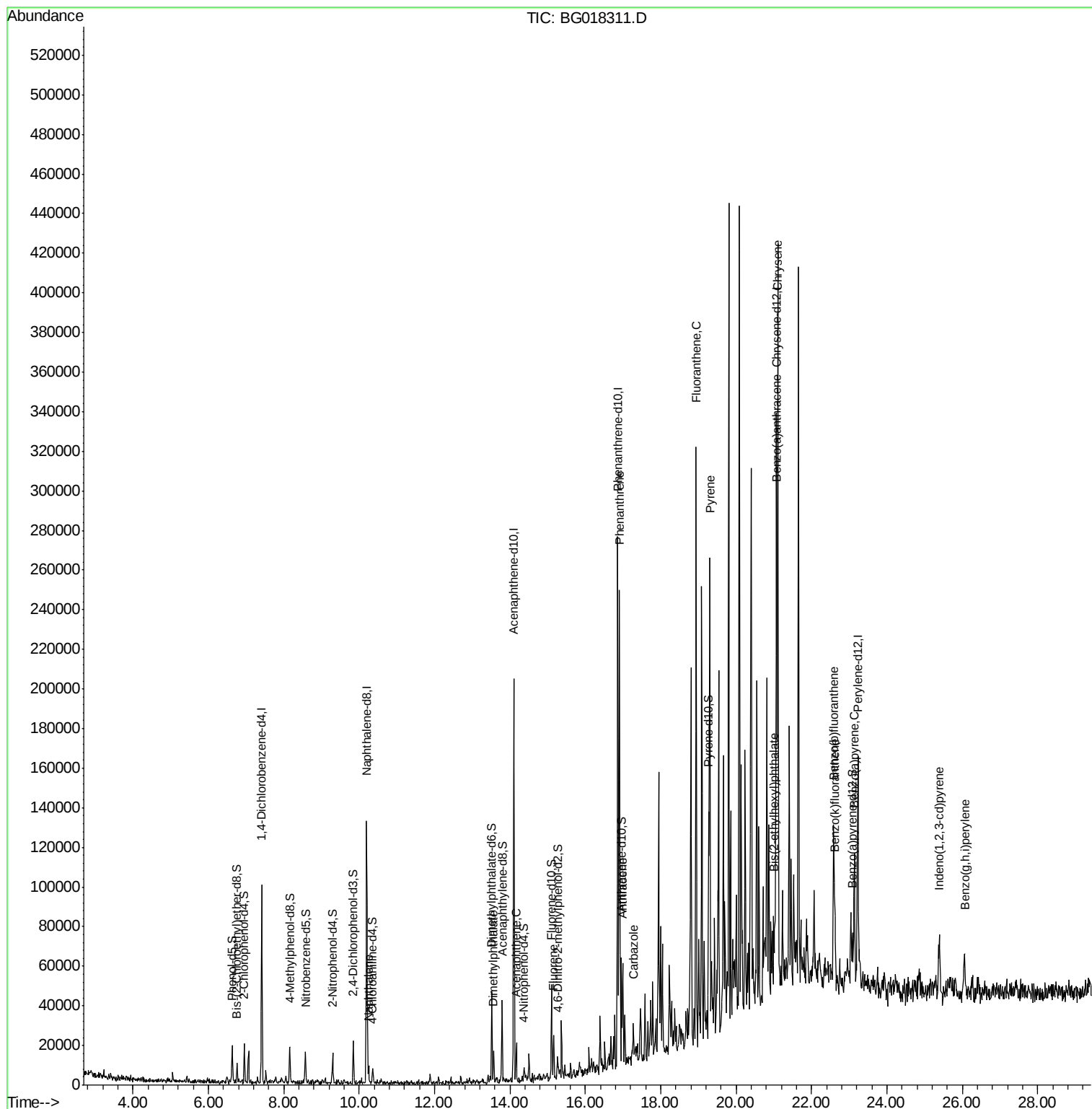
Misc :
ALS Vial : 9 Sample Multiplier: 1

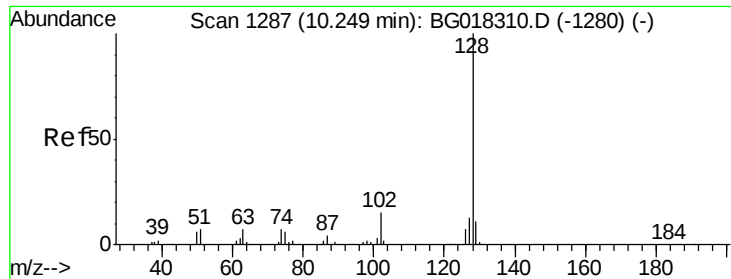
Quant Time: Aug 08 00:52:18 2015
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG080515.M
Quant Title : SVOA CALIBRATION
QLast Update : Fri Aug 07 23:39:35 2015
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
C02K6REDL

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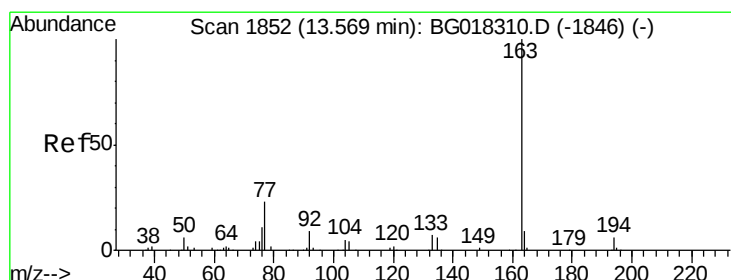
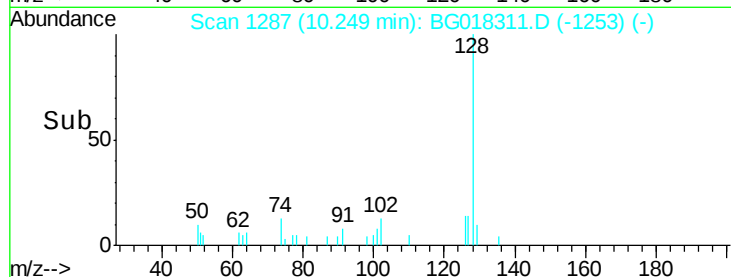
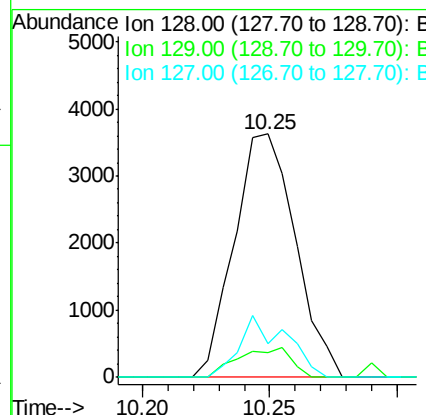
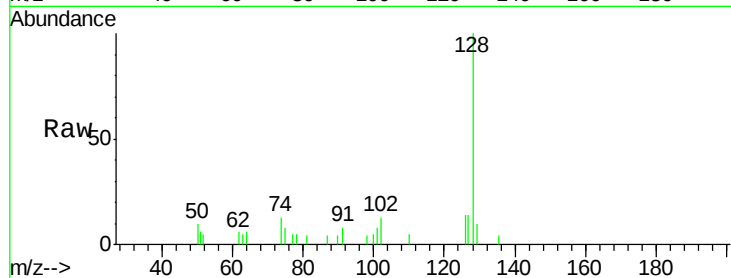
#28
Naphthalene
Concen: 1.39 ng/ul
RT: 10.25 min Scan# 1287
Delta R.T. -0.00 min
Lab File: BG018311.D
Acq: 7 Aug 2015 16:00

Instrument :
BNA_G
ClientSampleId :
C02K6REDL

Tgt Ion	Ratio	Lower	Upper
128	100		
129	9.9	7.8	11.6
127	14.0	10.2	15.4

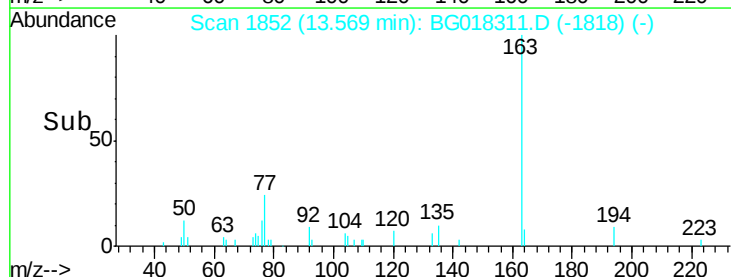
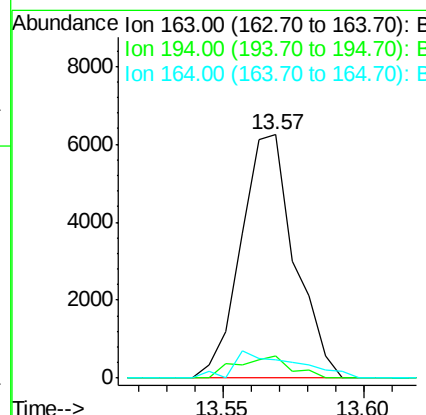
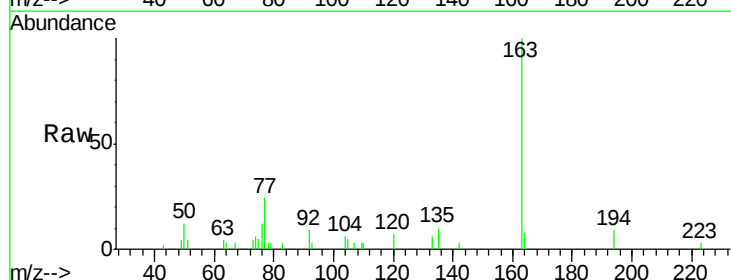
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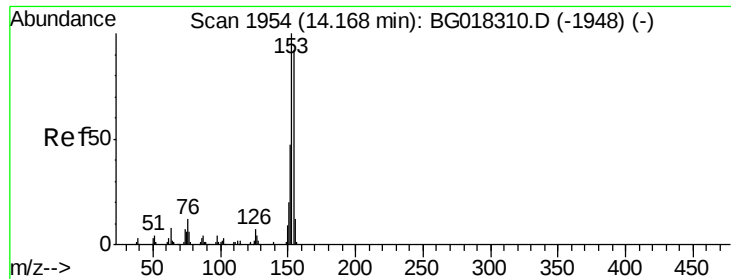
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#45
Dimethylphthalate
Concen: 1.75 ng/ul
RT: 13.57 min Scan# 1852
Delta R.T. -0.00 min
Lab File: BG018311.D
Acq: 7 Aug 2015 16:00

Tgt Ion	Ratio	Lower	Upper
163	100		
194	9.0	5.4	8.2#
164	7.8	7.8	11.8#





#50

Acenaphthene

Concen: 1.82 ng/ul

RT: 14.17 min Scan# 1954

Delta R.T. -0.00 min

Lab File: BG018311.D

Acq: 7 Aug 2015 16:00

Instrument :

BNA_G

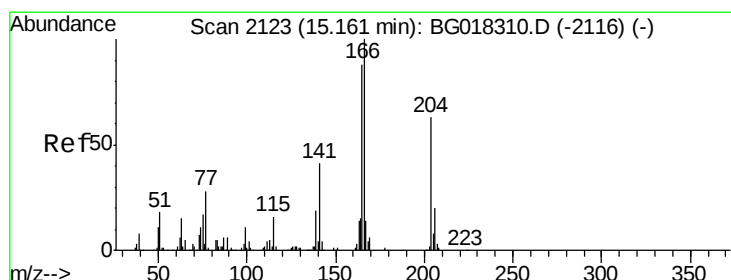
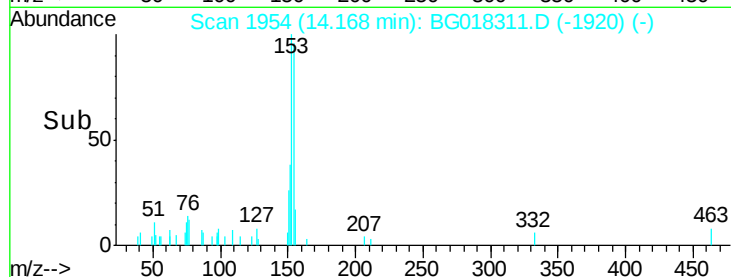
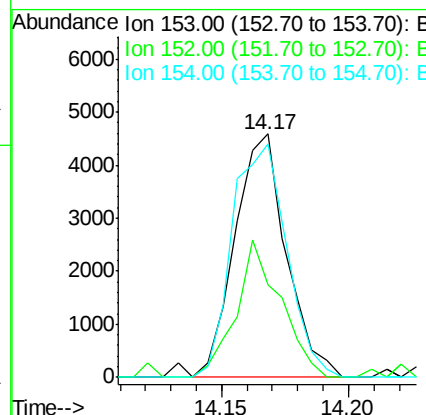
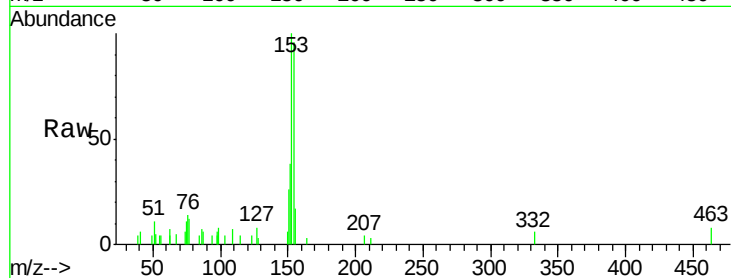
ClientSampleId :

C02K6REDL

Tgt Ion:	153	Resp:	6476
Ion Ratio	Lower	Upper	
153	100		
152	38.3	39.0	58.4#
154	96.1	77.4	116.2

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#59

Fluorene

Concen: 1.87 ng/ul

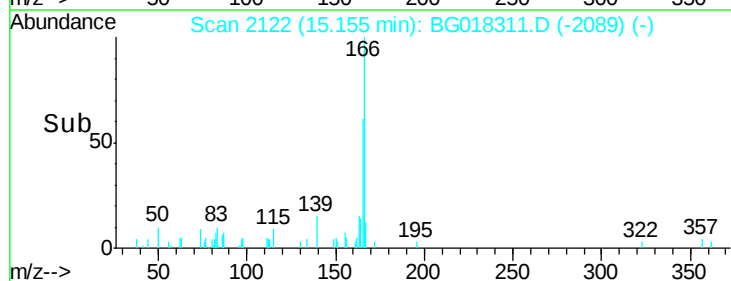
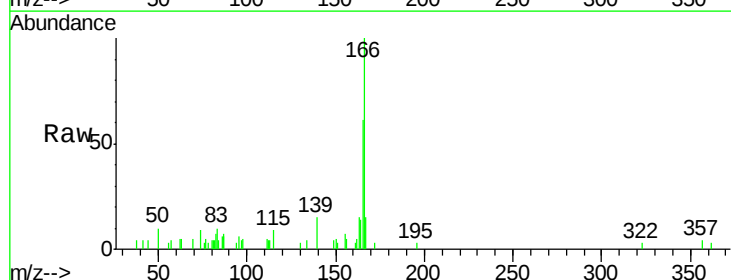
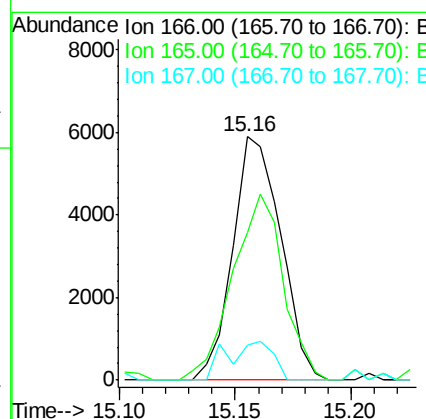
RT: 15.16 min Scan# 2122

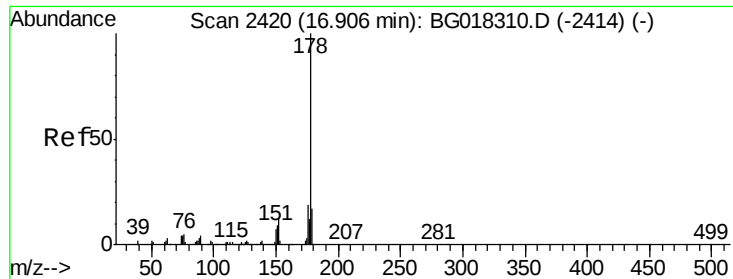
Delta R.T. -0.01 min

Lab File: BG018311.D

Acq: 7 Aug 2015 16:00

Tgt Ion:	166	Resp:	8561
Ion Ratio	Lower	Upper	
166	100		
165	60.6	72.4	108.6#
167	14.6	11.4	17.0





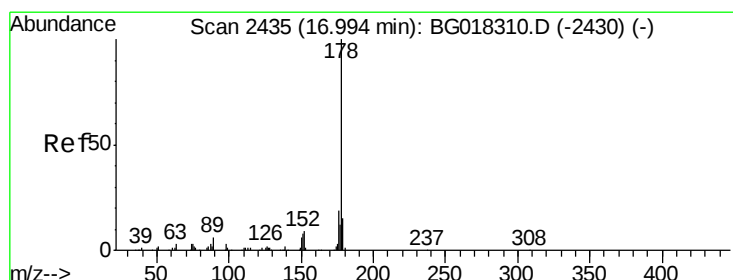
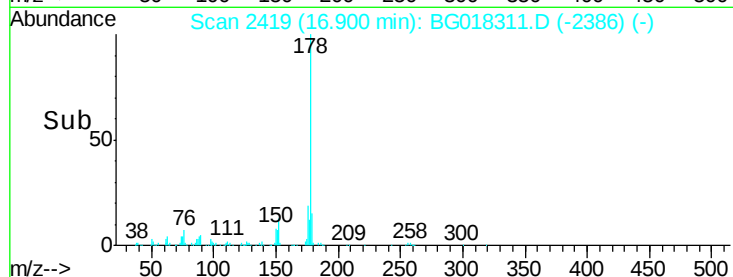
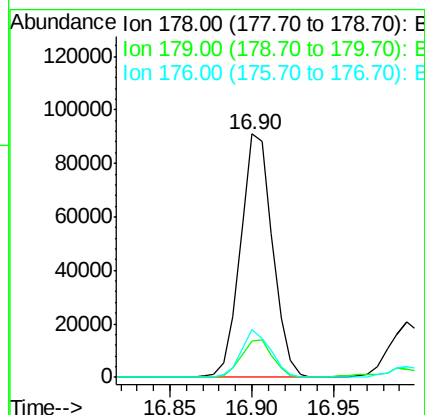
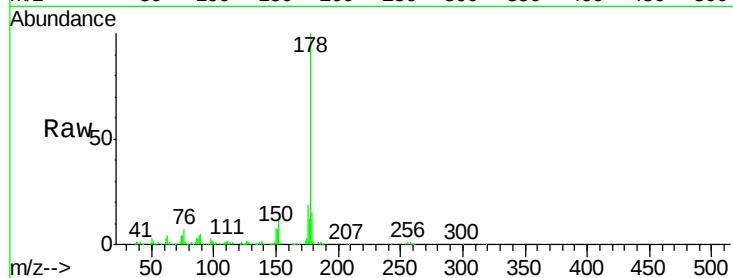
#70
Phenanthrene
Concen: 19.00 ng/ul m
RT: 16.90 min Scan# 2419
Delta R.T. -0.01 min
Lab File: BG018311.D
Acq: 7 Aug 2015 16:00

Instrument :
BNA_G
ClientSampleId :
C02K6REDL

Tgt Ion	Ratio	Resp Lower	Resp Upper
178	100		
179	14.8	12.2	18.4
176	19.4	14.5	21.7

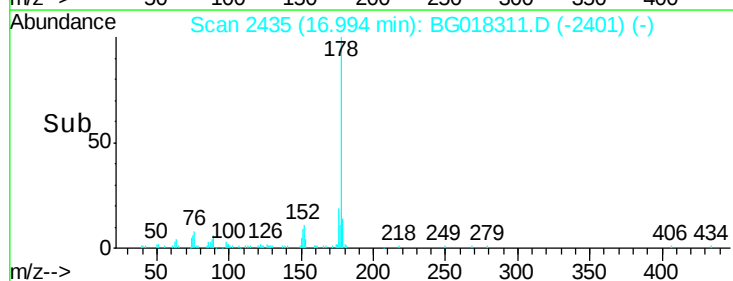
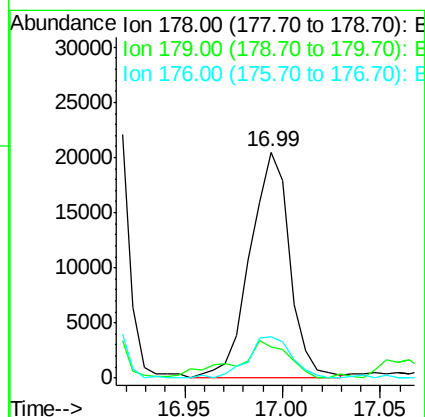
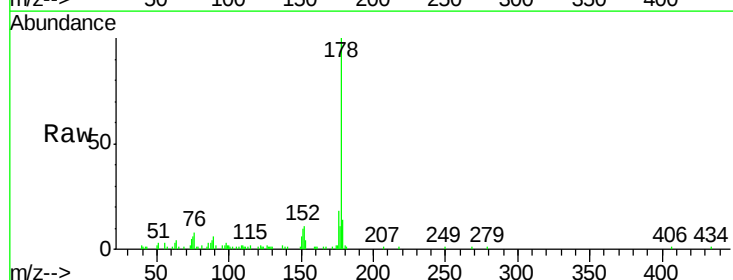
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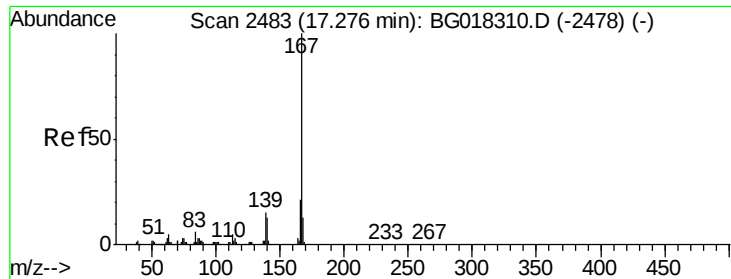
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#72
Anthracene
Concen: 4.44 ng/ul
RT: 16.99 min Scan# 2435
Delta R.T. -0.00 min
Lab File: BG018311.D
Acq: 7 Aug 2015 16:00

Tgt Ion	Ratio	Resp Lower	Resp Upper
178	100		
179	13.8	12.2	18.4
176	18.4	15.3	22.9





#75

Carbazole

Concen: 2.00 ng/ul m

RT: 17.28 min Scan# 2483

Delta R.T. -0.00 min

Lab File: BG018311.D

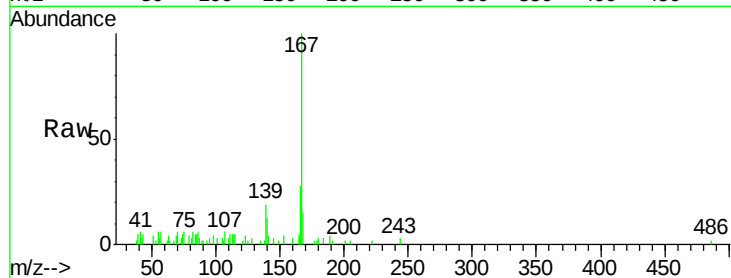
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Instrument :

BNA_G

ClientSampleId :

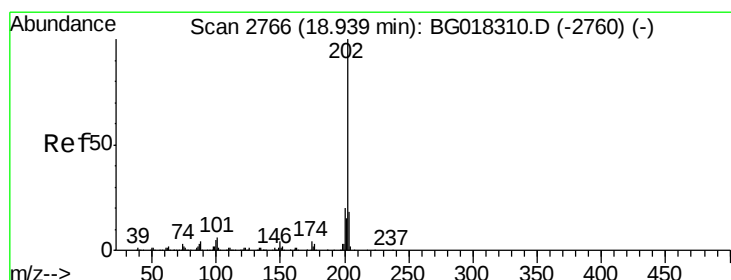
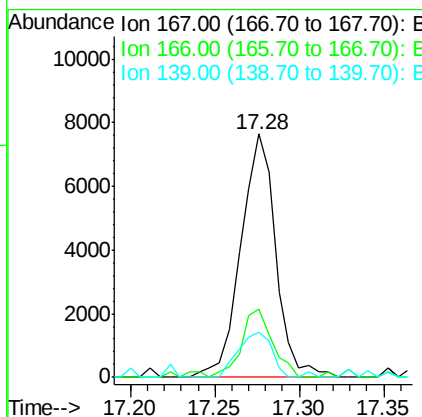
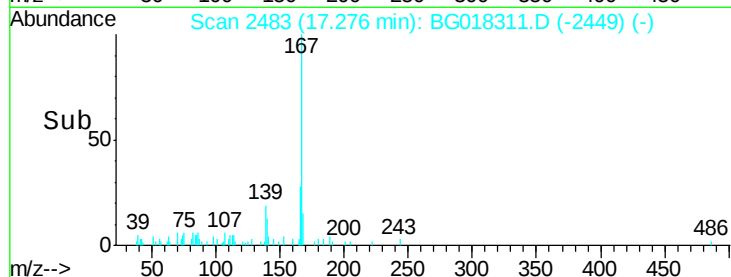
C02K6REDL



Tgt Ion:	167	Resp:	10987
Ion Ratio		Lower	Upper
167	100		
166	28.0	17.8	26.8#
139	18.6	10.6	16.0#

Manual Integrations
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#77

Fluoranthene

Concen: 21.95 ng/ul m

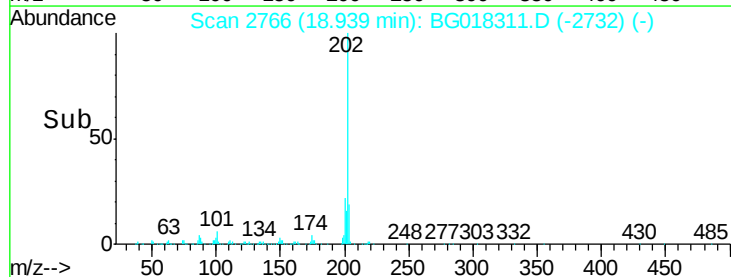
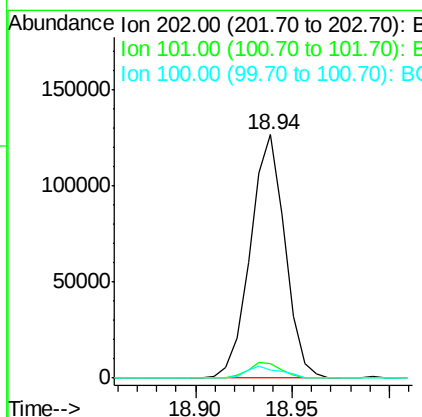
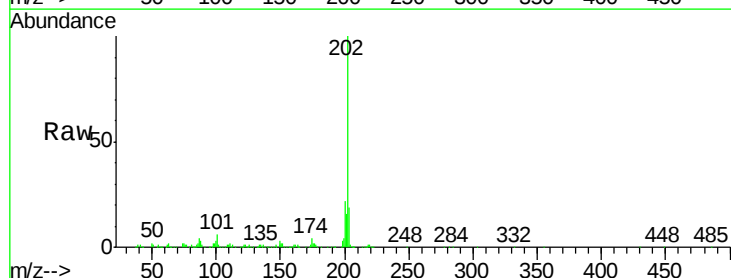
RT: 18.94 min Scan# 2766

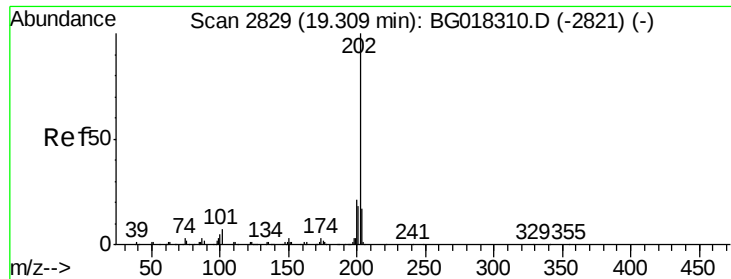
Delta R.T. -0.00 min

Lab File: BG018311.D

Acq: 7 Aug 2015 16:00

Tgt Ion:	202	Resp:	158602
Ion Ratio		Lower	Upper
202	100		
101	5.8	6.2	9.2#
100	3.4	4.6	6.8#





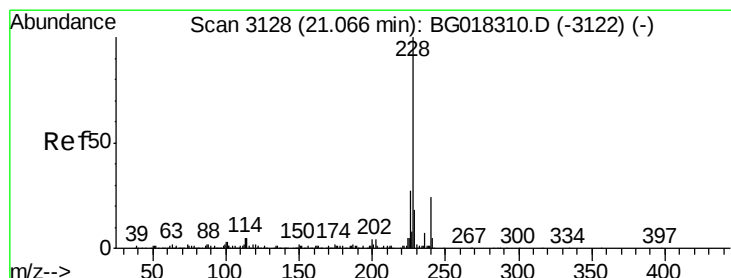
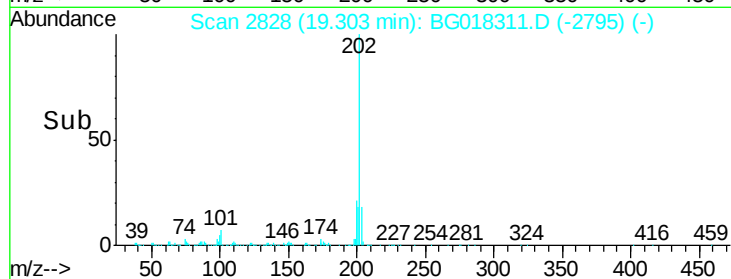
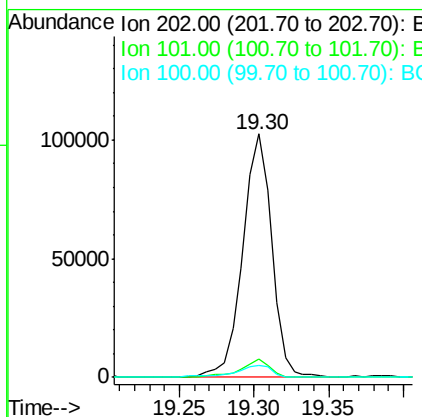
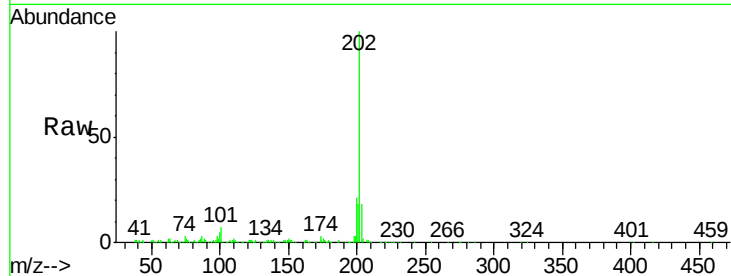
#80
 Pyrene
 Concen: 18.97 ng/ul
 RT: 19.30 min Scan# 2828
 Delta R.T. -0.01 min
 Lab File: BG018311.D
 Acq: 7 Aug 2015 16:00

Instrument :
 BNA_G
 ClientSampleId :
 C02K6REDL

Tgt Ion	Ratio	Resp Lower	Resp Upper
202	100		
101	7.3	6.2	9.2
100	4.7	4.6	7.0

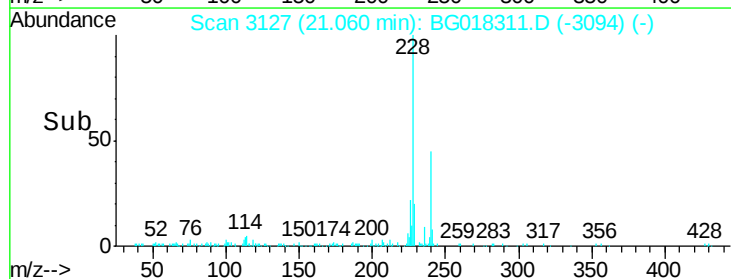
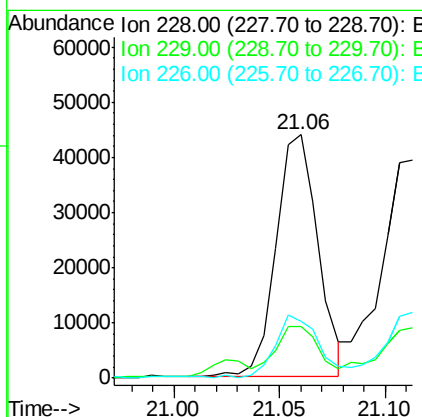
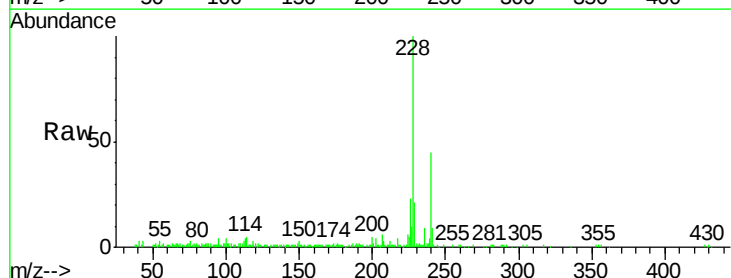
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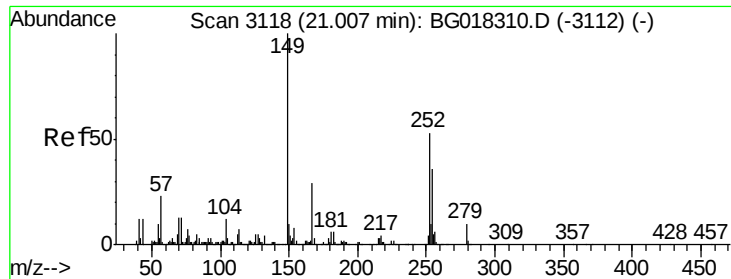
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#83
 Benzo(a)anthracene
 Concen: 10.95 ng/ul
 RT: 21.06 min Scan# 3127
 Delta R.T. -0.01 min
 Lab File: BG018311.D
 Acq: 7 Aug 2015 16:00

Tgt Ion	Ratio	Resp Lower	Resp Upper
228	100		
229	21.0	16.3	24.5
226	23.3	21.2	31.8





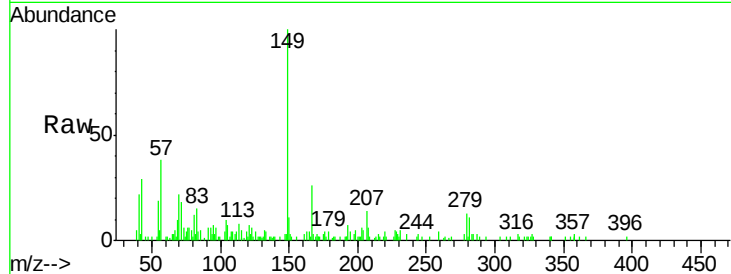
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 Bis(2-ethylhexyl)phthalate
 Concen: 3.09 ng/ul
 RT: 21.00 min Scan# 3117
 Delta R.T. -0.01 min
 Lab File: BG018311.D
 Acq: 7 Aug 2015 16:00

Instrument :
 BNA_G
 ClientSampled :
 C02K6REDL

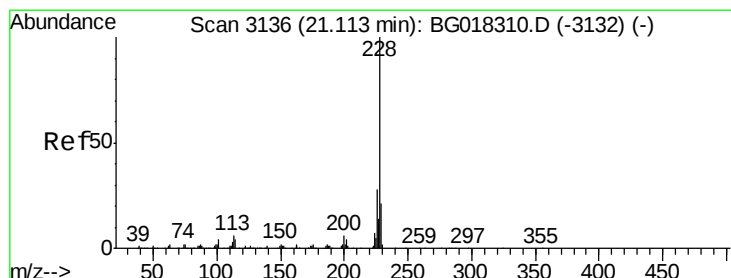
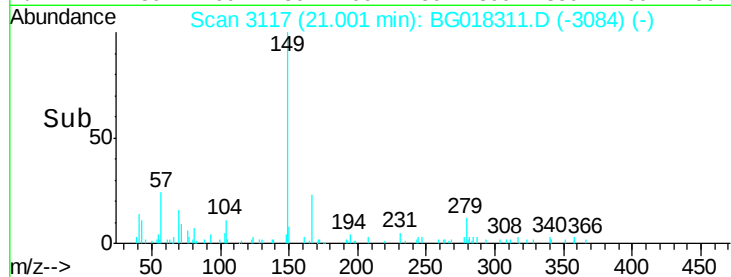
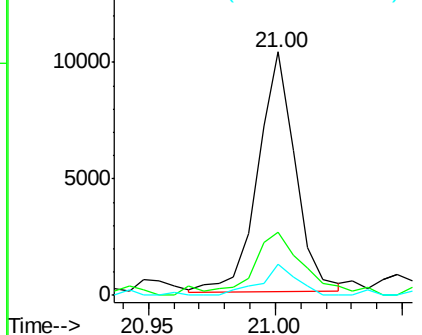
Tgt Ion	Ratio	Resp Lower	Upper
149	100		
167	25.8	26.4	39.6#
279	12.9	8.6	12.8#

Manual Integrations
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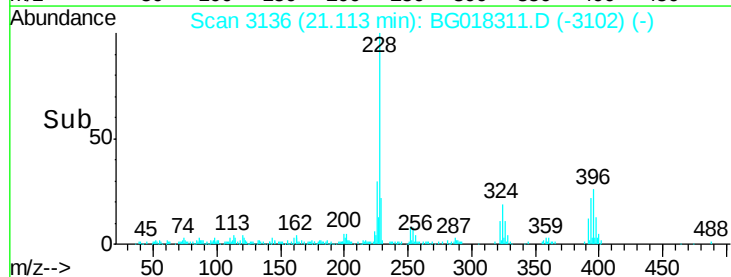
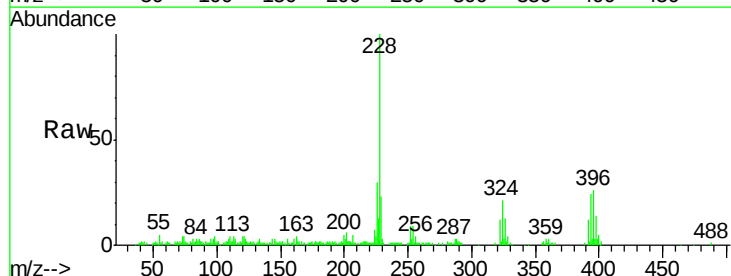
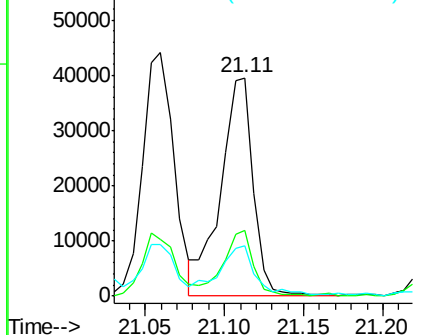
Abundance Ion 149.00 (148.70 to 149.70): E
 Ion 167.00 (166.70 to 167.70): E
 Ion 279.00 (278.70 to 279.70): E

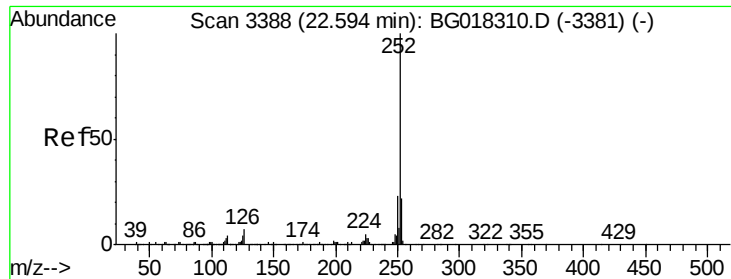


#85
 Chrysene
 Concen: 11.27 ng/ul
 RT: 21.11 min Scan# 3136
 Delta R.T. -0.00 min
 Lab File: BG018311.D
 Acq: 7 Aug 2015 16:00

Tgt Ion	Ratio	Resp Lower	Upper
228	100		
226	30.3	23.0	34.6
229	22.8	15.9	23.9

Abundance Ion 228.00 (227.70 to 228.70): E
 Ion 226.00 (225.70 to 226.70): E
 Ion 229.00 (228.70 to 229.70): E





#88

Benzo(b)fluoranthene

Concen: 10.69 ng/ul

RT: 22.58 min Scan# 3386

Delta R.T. -0.01 min

Lab File: BG018311.D

Acq: 7 Aug 2015 16:00

Instrument :

BNA_G

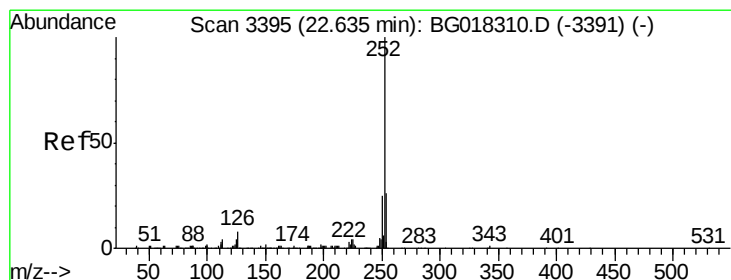
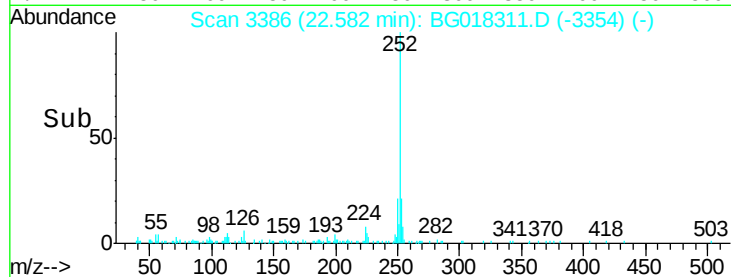
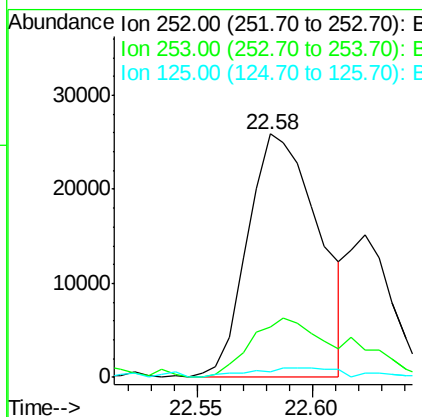
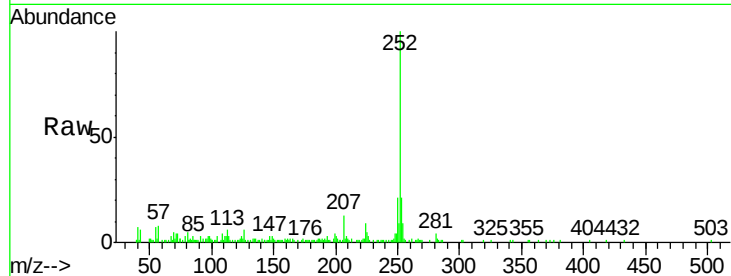
ClientSampleId :

C02K6REDL

Tgt Ion:	252	Resp:	55183
Ion Ratio	Lower	Upper	
252	100		
253	20.7	18.1	27.1
125	2.5	3.1	4.7#

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#89

Benzo(k)fluoranthene

Concen: 3.87 ng/ul

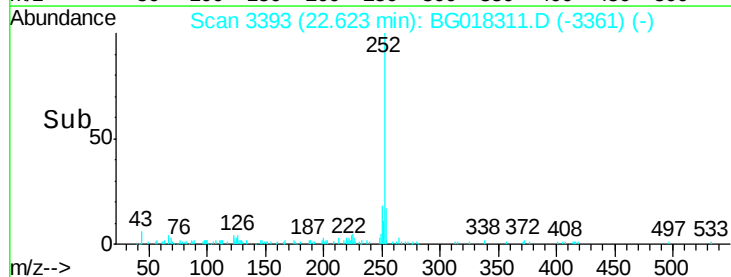
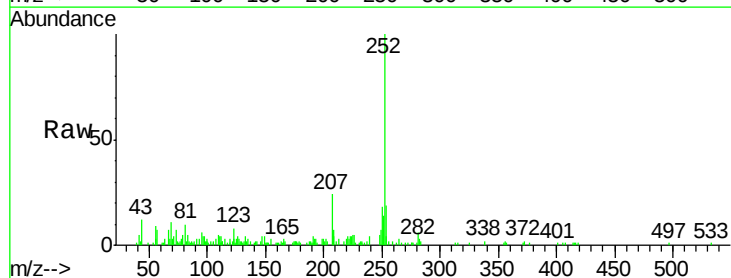
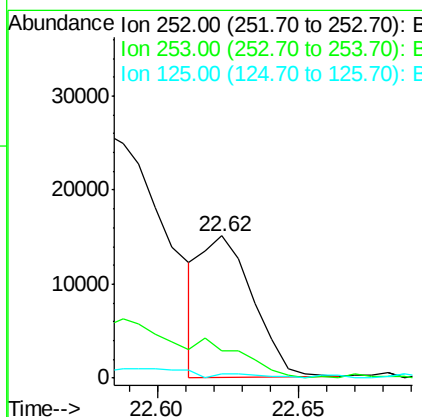
RT: 22.62 min Scan# 3393

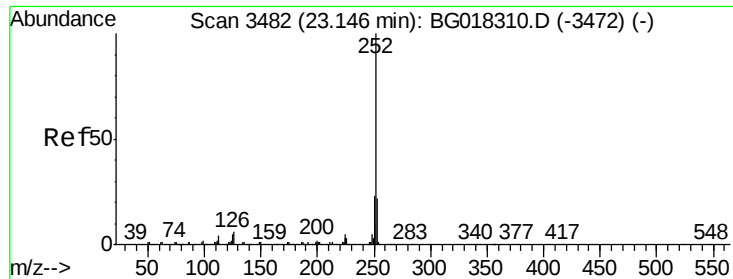
Delta R.T. -0.01 min

Lab File: BG018311.D

Acq: 7 Aug 2015 16:00

Tgt Ion:	252	Resp:	19178
Ion Ratio	Lower	Upper	
252	100		
253	18.8	16.4	24.6
125	2.7	3.4	5.2#





#91

Benzo(a)pyrene

Concen: 8.24 ng/ul

RT: 23.13 min Scan# 3480

Delta R.T. -0.01 min

Lab File: BG018311.D

Acq: 7 Aug 2015 16:00

Instrument :

BNA_G

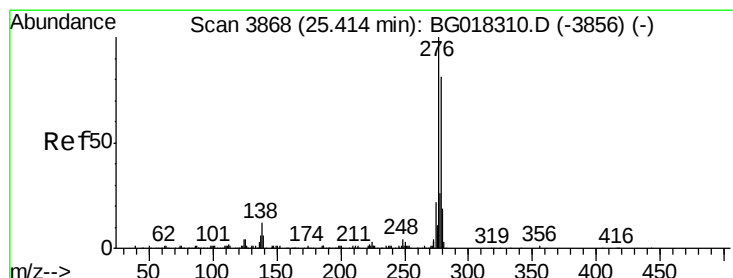
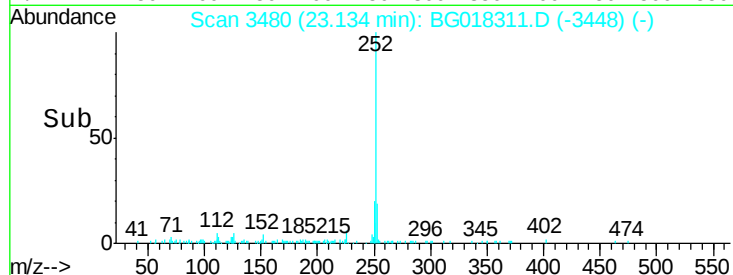
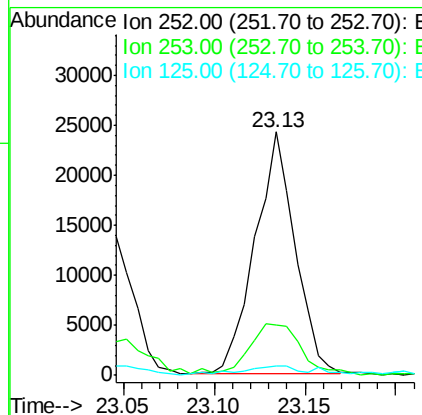
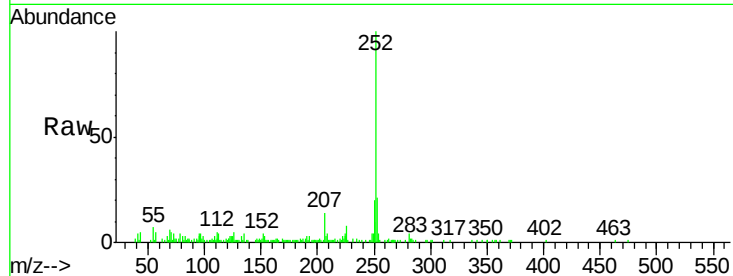
ClientSampleId :

C02K6REDL

Tgt Ion:	252	Resp:	37133
Ion Ratio	Lower	Upper	
252	100		
253	20.8	18.9	28.3
125	3.9	3.2	4.8

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#92

Indeno(1,2,3-cd)pyrene

Concen: 5.05 ng/ul

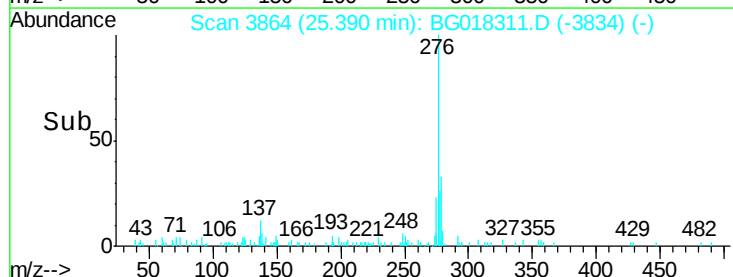
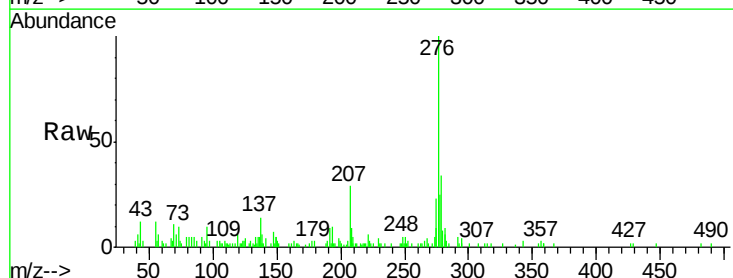
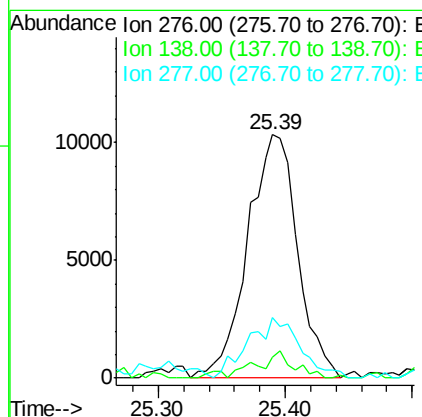
RT: 25.39 min Scan# 3864

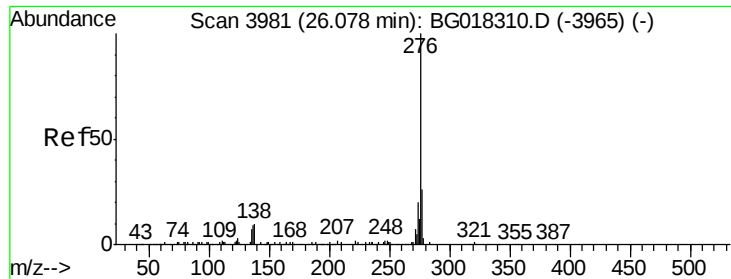
Delta R.T. -0.02 min

Lab File: BG018311.D

Acq: 7 Aug 2015 16:00

Tgt Ion:	276	Resp:	28168
Ion Ratio	Lower	Upper	
276	100		
138	8.5	8.2	12.4
277	24.8	20.1	30.1





#94
 Benzo(g,h,i)perylene
 Concen: 5.75 ng/ul
 RT: 26.06 min Scan# 3978
 Delta R.T. -0.02 min
 Lab File: BG018311.D
 Acq: 7 Aug 2015 16:00

Instrument :
 BNA_G
 ClientSampleId :
 C02K6REDL

Tgt Ion	Ratio	Resp Lower	Resp Upper
276	100		
138	7.4	6.0	9.0
277	24.3	21.1	31.7

Manual Integrations
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 8/10/2015 9:29:40 AM

