

Data Path : Z:\HPCHEM1\BNA_G\Data\BG080215\
 Data File : BG018227.D
 Acq On : 2 Aug 2015 15:50
 Operator : TP
 Sample : G3065-21RE
 Misc :
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 C02G6RE

Manual Integrations
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 8/4/2015 12:19:28 PM

Quant Time: Aug 03 09:32:41 2015
 Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG073115.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Mon Aug 03 05:58:42 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.48	152	149310	20.00	ng/ul	0.00
18) Naphthalene-d8	10.27	136	657201	20.00	ng/ul	0.02
36) Acenaphthene-d10	14.16	164	337475	20.00	ng/ul	0.02
62) Phenanthrene-d10	16.93	188	545811	20.00	ng/ul	0.02
78) Chrysene-d12	21.14	240	750781	20.00	ng/ul	0.03
86) Perylene-d12	23.35	264	761773m	20.00	ng/ul	0.06

System Monitoring Compounds

3) 1,4-Dioxane-d8	2.97	96	1707	0.86	ng/uL	0.01
5) Phenol-d5	6.68	99	128623	9.58	ng/ul	0.02
7) Bis-(2-Chloroethyl)ether-d	6.83	67	57013	8.31	ng/ul	0.01
9) 2-Chlorophenol-d4	7.02	132	110613	10.91	ng/ul	0.01
13) 4-Methylphenol-d8	8.21	113	102838	9.41	ng/ul	0.01
19) Nitrobenzene-d5	8.64	128	59280	11.45	ng/ul	0.01
22) 2-Nitrophenol-d4	9.36	143	67568	11.37	ng/ul	0.01
26) 2,4-Dichlorophenol-d3	9.90	165	123739	11.78	ng/ul	0.02
29) 4-Chloroaniline-d4	10.42	131	21087m	1.61	ng/ul	0.01
44) Dimethylphthalate-d6	13.58	166	306916	11.77	ng/ul	0.01
47) Acenaphthylene-d8	13.85	160	365757	12.10	ng/ul	0.02
52) 4-Nitrophenol-d4	14.42	143	39479	8.18	ng/ul	0.02
58) Fluorene-d10	15.16	176	239154	10.13	ng/ul	0.01
63) 4,6-Dinitro-2-methylphenol	15.32	200	4699	1.23	ng/ul	0.02
71) Anthracene-d10	17.03	188	290296	12.23	ng/ul	0.02
79) Pyrene-d10	19.34	212	323758	8.91	ng/ul	0.02
90) Benzo(a)pyrene-d12	23.21	264	455522m	11.82	ng/ul	0.06

Target Compounds

					Qvalue
14) Acetophenone	8.30	105	16171	0.95 ng/ul#	82
28) Naphthalene	10.32	128	1186272	37.49 ng/ul	99
34) 2-Methylnaphthalene	11.95	142	891339	35.59 ng/ul	98
35) 1-Methylnaphthalene	12.17	142	890805	37.07 ng/ul#	97
41) 1,1'-Biphenyl	12.98	154	198006	8.21 ng/ul	97
45) Dimethylphthalate	13.62	163	190236	7.33 ng/ul	99
48) Acenaphthylene	13.88	152	585907	19.51 ng/ul#	95
50) Acenaphthene	14.22	153	120755	6.17 ng/ul	98
54) Dibenzofuran	14.56	168	118284	4.01 ng/ul#	76
57) Diethylphthalate	15.00	149	26737	0.99 ng/ul#	90
59) Fluorene	15.22	166	471551	18.55 ng/ul	100
70) Phenanthrene	16.98	178	2550924m	92.00 ng/ul	
72) Anthracene	17.06	178	287702	10.43 ng/ul	98
75) Carbazole	17.33	167	45369	1.98 ng/ul#	94
76) Di-n-butylphthalate	17.91	149	87961	2.88 ng/ul#	94
77) Fluoranthene	19.01	202	1742116	57.21 ng/ul	97
80) Pyrene	19.38	202	1934998	42.49 ng/ul	97
81) Butylbenzylphthalate	20.28	149	101828	5.50 ng/ul#	79
83) Benzo(a)anthracene	21.13	228	1279740	31.65 ng/ul#	86
84) Bis(2-ethylhexyl)phthalate	21.06	149	355340m	14.24 ng/ul	
85) Chrysene	21.19	228	1449151	39.13 ng/ul#	86
88) Benzo(b)fluoranthene	22.70	252	1401567	30.63 ng/ul	96
89) Benzo(k)fluoranthene	22.73	252	505374m	12.02 ng/ul	

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BNA_G
ClientSampleId :
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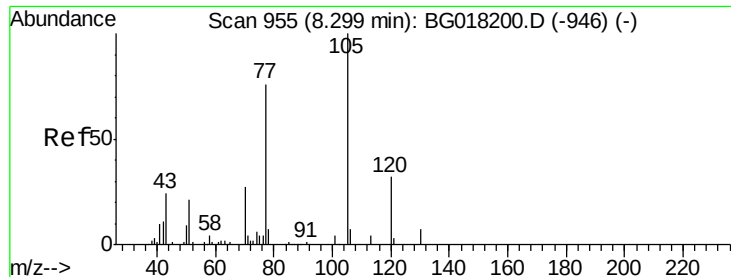
Manual Integrations
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Quant Time: Aug 03 09:32:41 2015
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG073115.M
Quant Title : SVOA CALIBRATION
QLast Update : Mon Aug 03 05:58:42 2015
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
91) Benzo(a)pyrene	23.26	252	922155	22.52	ng/ul	94
92) Indeno(1,2,3-cd)pyrene	25.57	276	536401m	11.33	ng/ul	
93) Dibenzo(a,h)anthracene	25.58	278	153811m	3.79	ng/ul	
94) Benzo(g,h,i)perylene	26.26	276	462557m	11.96	ng/ul	

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



#14

Acetophenone

Concen: 0.95 ng/ul

RT: 8.30 min Scan# 955

Delta R.T. 0.01 min

Lab File: BG018227.D

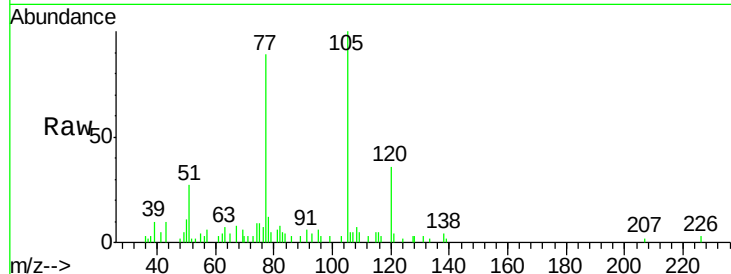
Acq: 2 Aug 2015 15:50

Instrument :

BNA_G

ClientSampleId :

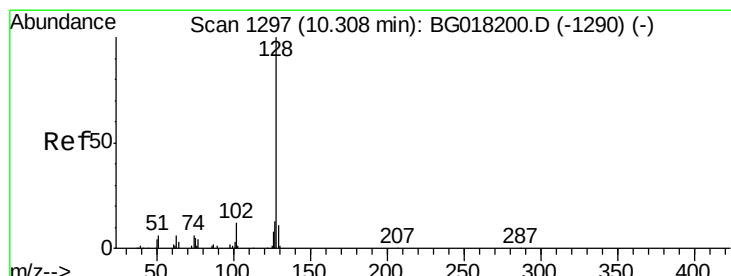
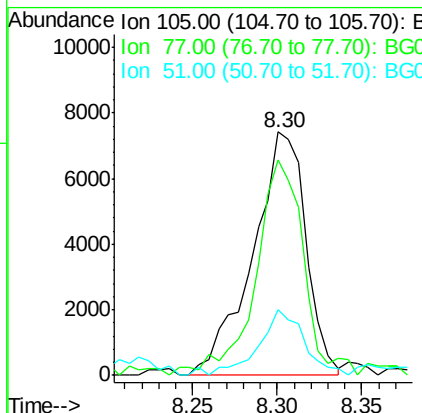
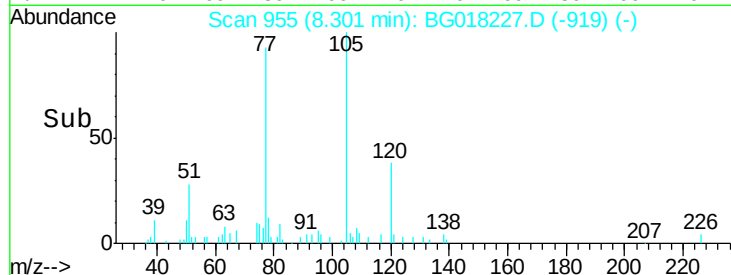
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Tgt Ion	Ratio	Resp	Lower	Upper
105	100	16171		
77	88.7	58.4	87.6#	
51	27.2	16.5	24.7#	

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#28

Naphthalene

Concen: 37.49 ng/ul

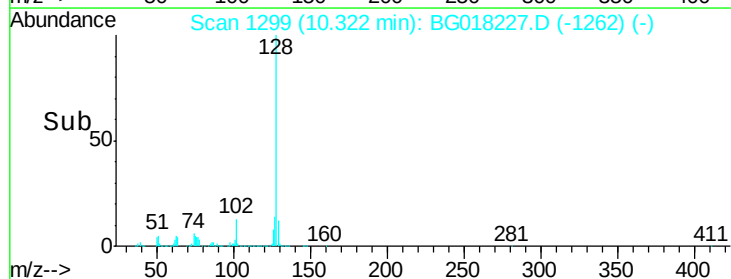
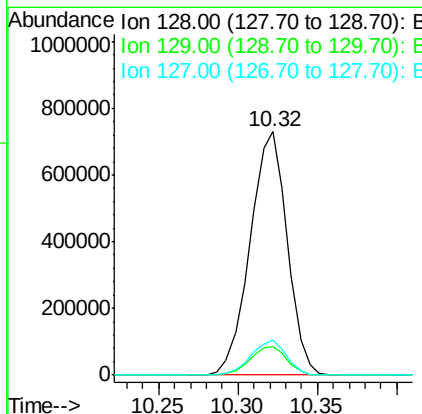
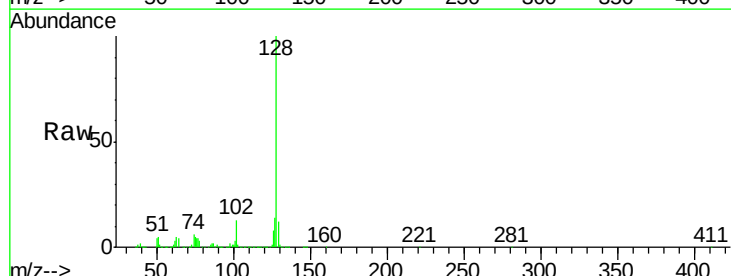
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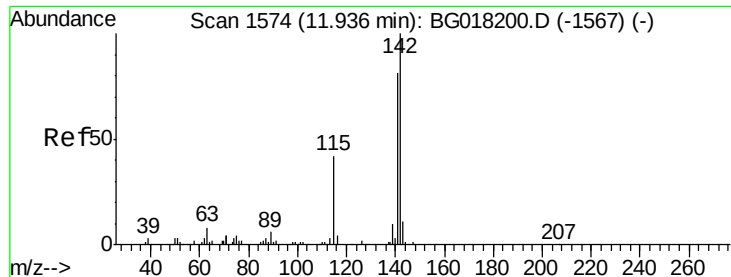
Delta R.T. 0.02 min

Lab File: BG018227.D

Acq: 2 Aug 2015 15:50

Tgt Ion	Ratio	Resp	Lower	Upper
128	100	1186272		
129	11.8	9.1	13.7	
127	14.2	11.2	16.8	





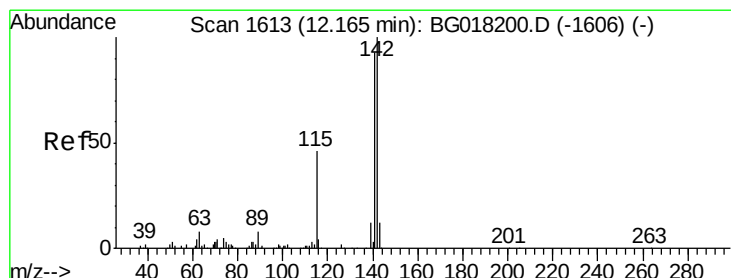
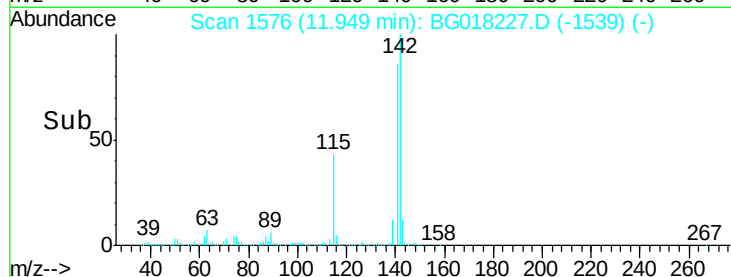
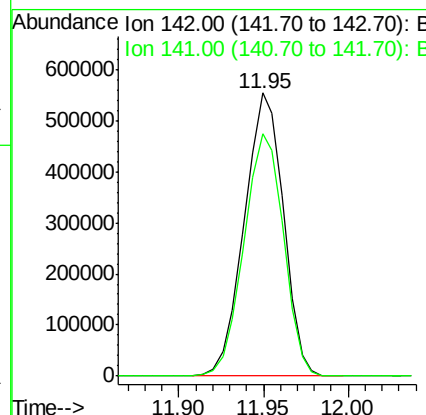
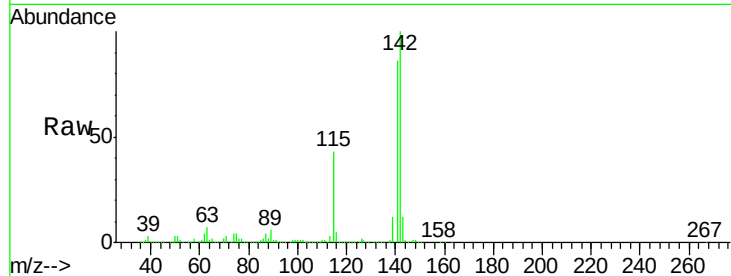
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 2-Methylnaphthalene
 Concen: 35.59 ng/ul
 RT: 11.95 min Scan# 1576
 Delta R.T. 0.02 min
 Lab File: BG018227.D
 Acq: 2 Aug 2015 15:50

Instrument :
 BNA_G
 ClientSampleId :
 C02G6RE

Tgt Ion	Ratio	Resp	Lower	Upper
142	100	891339		
141	85.8	70.3	105.5	

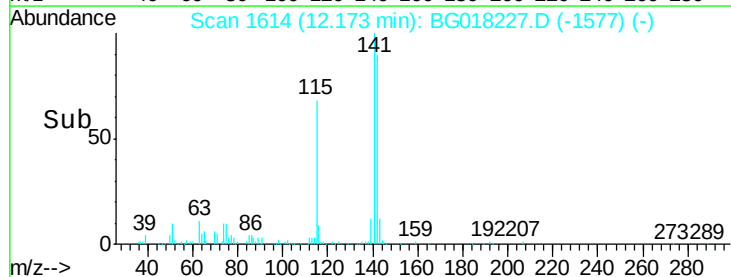
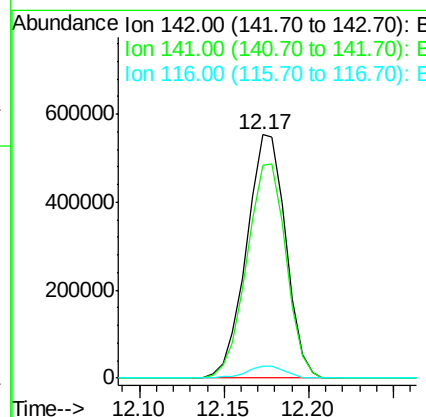
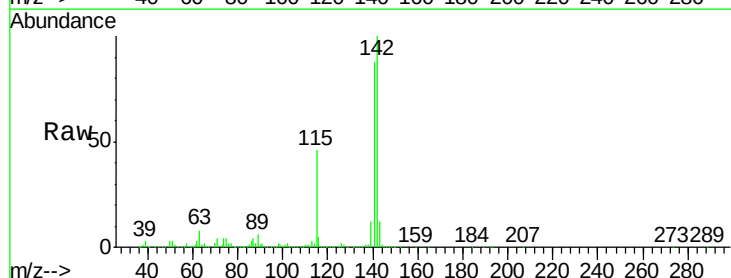
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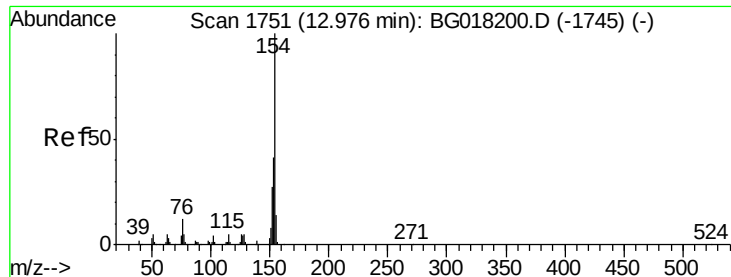
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#35
 1-Methylnaphthalene
 Concen: 37.07 ng/ul
 RT: 12.17 min Scan# 1614
 Delta R.T. 0.02 min
 Lab File: BG018227.D
 Acq: 2 Aug 2015 15:50

Tgt Ion	Ratio	Resp	Lower	Upper
142	100	890805		
141	87.6	72.5	108.7	
116	4.9	2.6	4.0#	





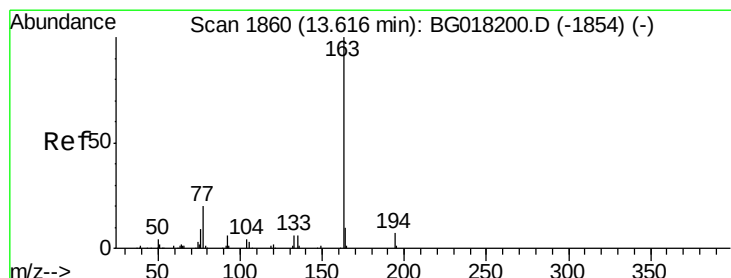
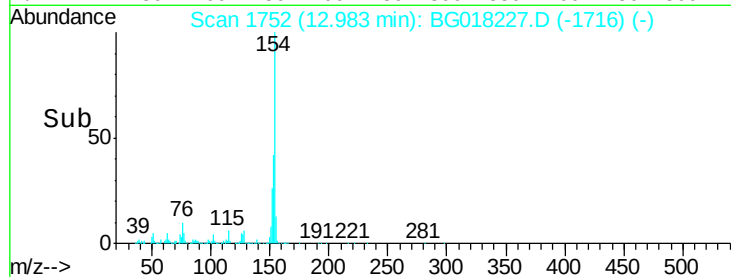
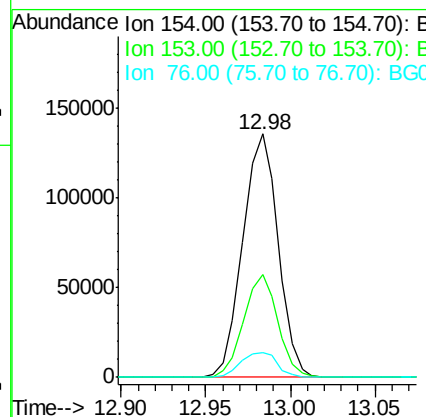
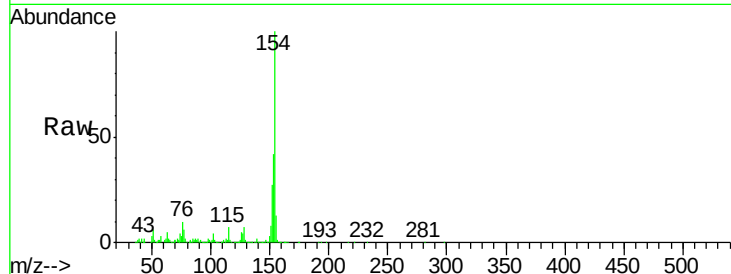
#41
 1,1'-Biphenyl
 Concen: 8.21 ng/ul
 RT: 12.98 min Scan# 1752
 Delta R.T. 0.01 min
 Lab File: BG018227.D
 Acq: 2 Aug 2015 15:50

Instrument :
 BNA_G
 ClientSampleId :
 C02G6RE

Tgt Ion	Ratio	Resp	Lower	Upper
154	100	198006		
153	42.2		32.3	48.5
76	10.0		7.4	11.0

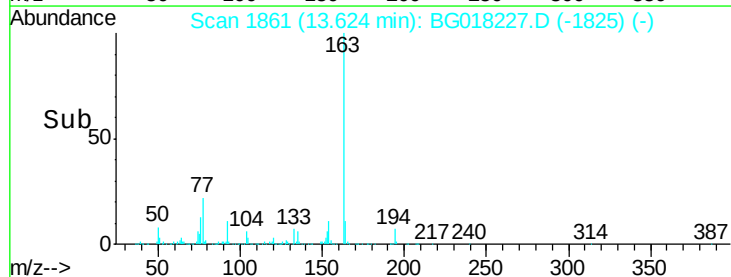
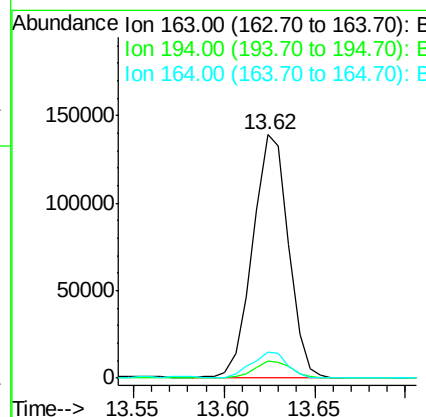
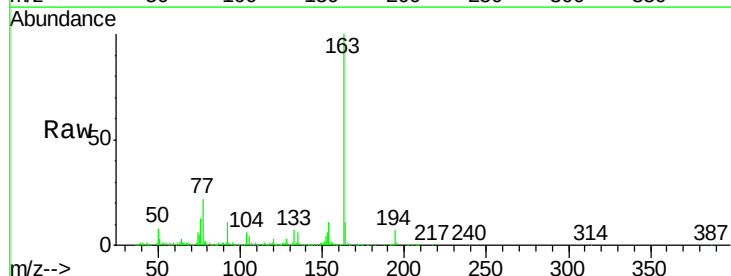
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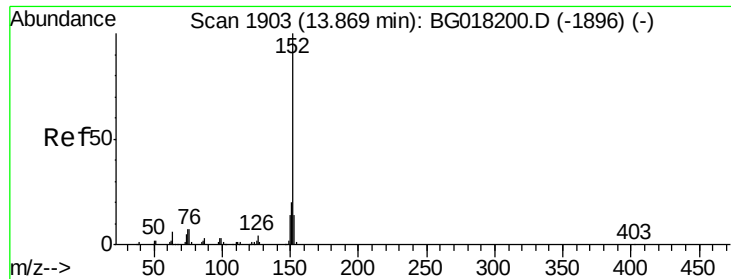
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#45
 Dimethylphthalate
 Concen: 7.33 ng/ul
 RT: 13.62 min Scan# 1861
 Delta R.T. 0.01 min
 Lab File: BG018227.D
 Acq: 2 Aug 2015 15:50

Tgt Ion	Ratio	Resp	Lower	Upper
163	100	190236		
194	6.8		5.2	7.8
164	10.8		8.4	12.6





#48

Acenaphthylene

Concen: 19.51 ng/ul

RT: 13.88 min Scan# 1905

Delta R.T. 0.02 min

Lab File: BG018227.D

Acq: 2 Aug 2015 15:50

Instrument :

BNA_G

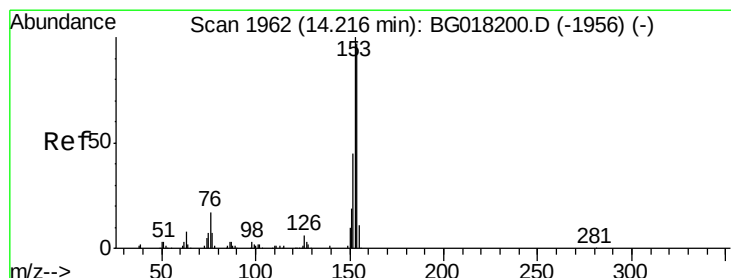
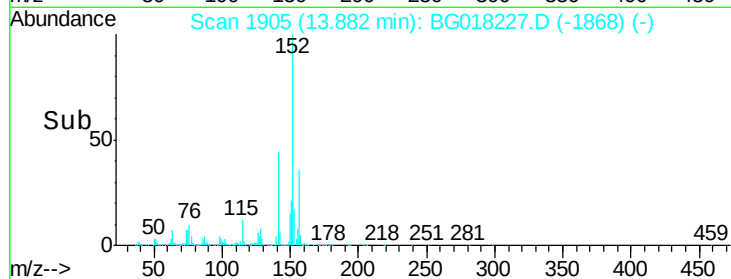
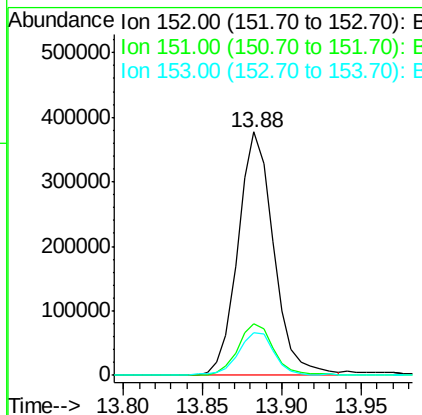
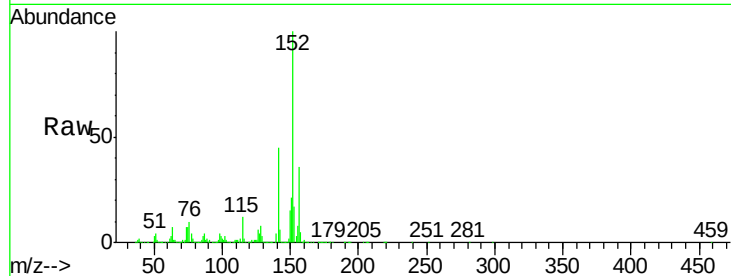
ClientSampleId :

C02G6RE

Manual Integrations
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Tgt Ion	Ratio	Resp	Lower	Upper
152	100	585907		
151	21.2	16.0	24.0	
153	17.5	11.0	16.4	



#50

Acenaphthene

Concen: 6.17 ng/ul

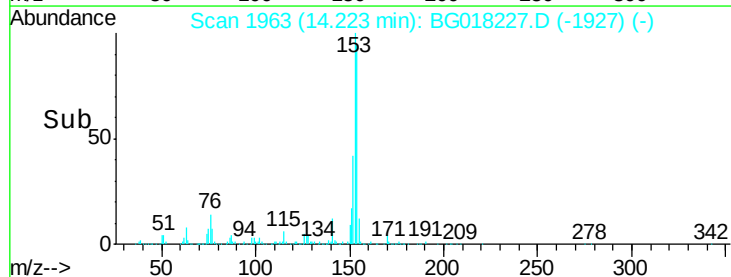
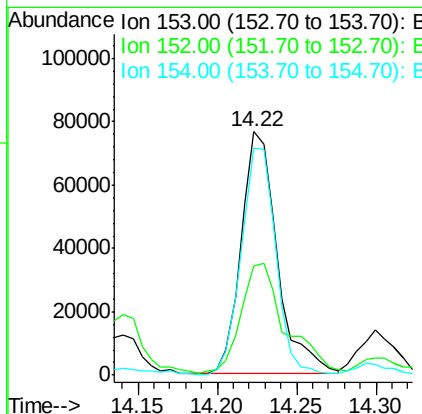
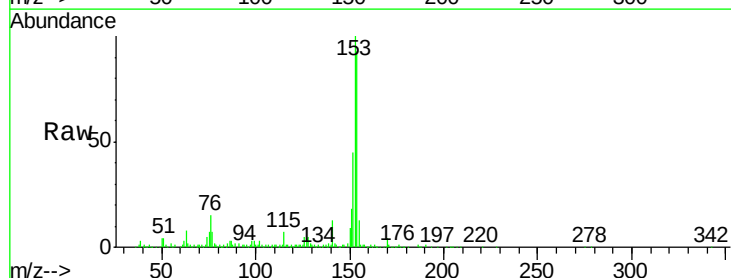
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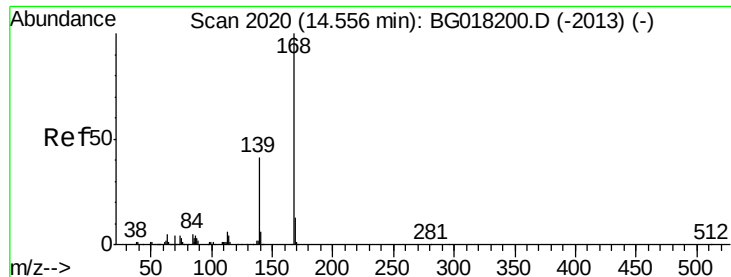
Delta R.T. 0.01 min

Lab File: BG018227.D

Acq: 2 Aug 2015 15:50

Tgt Ion	Ratio	Resp	Lower	Upper
153	100	120755		
152	44.9	38.7	58.1	
154	93.5	74.8	112.2	





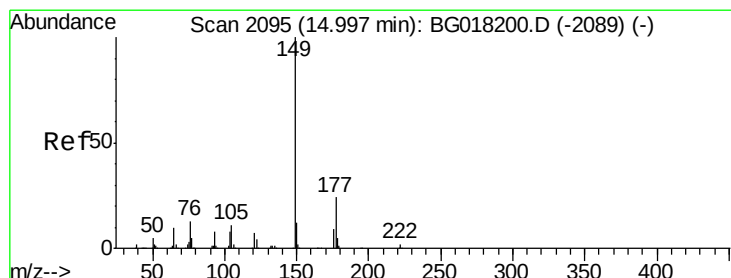
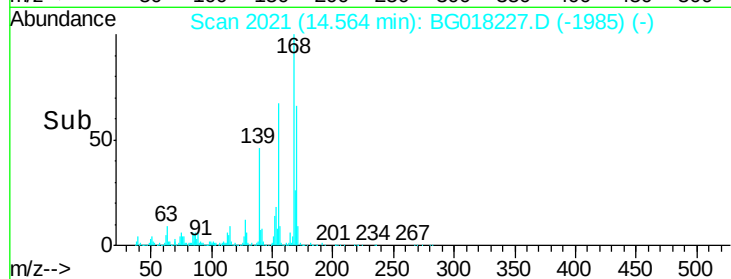
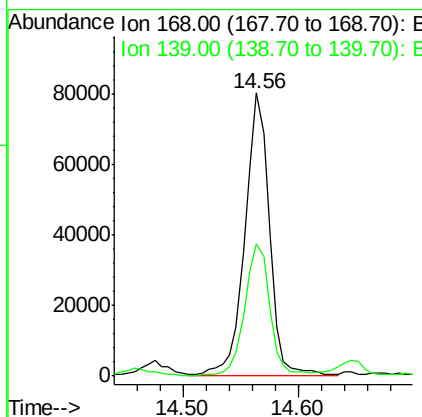
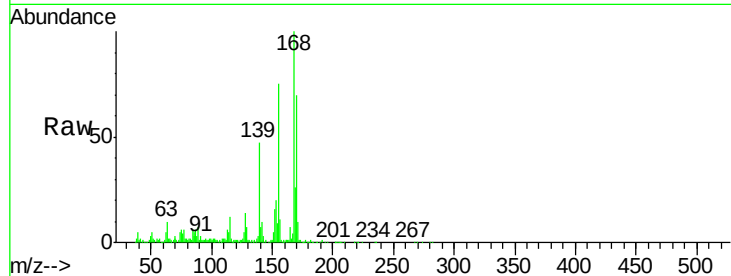
#54
Dibenzofuran
Concen: 4.01 ng/ul
RT: 14.56 min Scan# 2021
Delta R.T. 0.01 min
Lab File: BG018227.D
Acq: 2 Aug 2015 15:50

Instrument :
BNA_G
ClientSampleId :
C02G6RE

Tgt Ion	Ratio	Resp	Lower	Upper
168	100	118284		
139	46.9	26.8	40.2#	

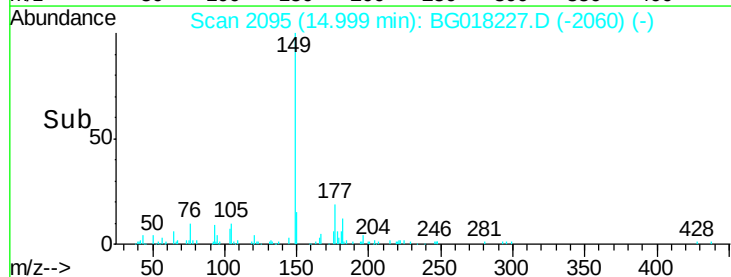
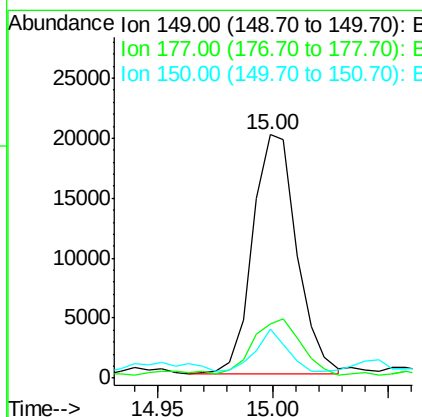
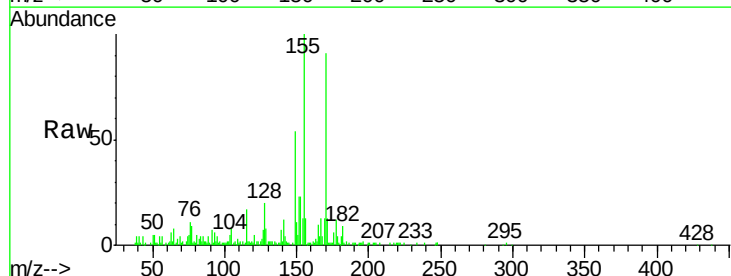
Manual Integrations
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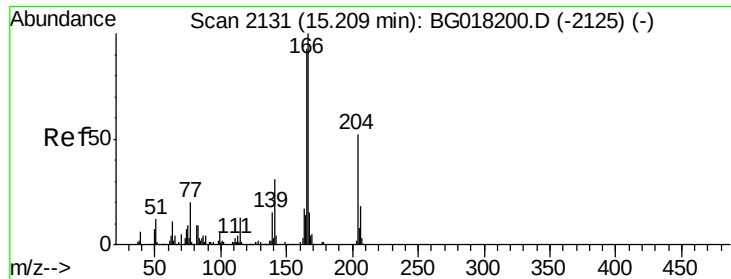
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#57
Diethylphthalate
Concen: 0.99 ng/ul
RT: 15.00 min Scan# 2095
Delta R.T. 0.00 min
Lab File: BG018227.D
Acq: 2 Aug 2015 15:50

Tgt Ion	Ratio	Resp	Lower	Upper
149	100	26737		
177	22.2	20.1	30.1	
150	20.3	10.0	15.0#	





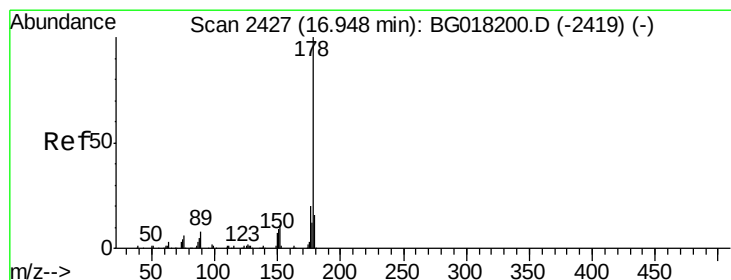
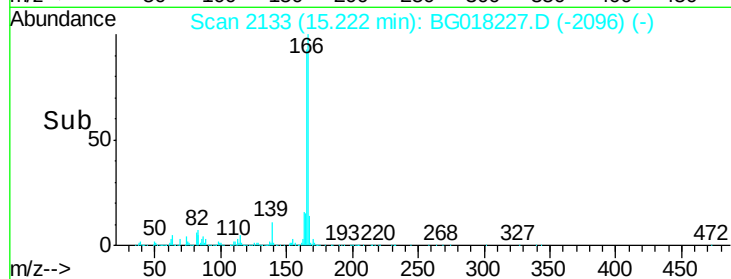
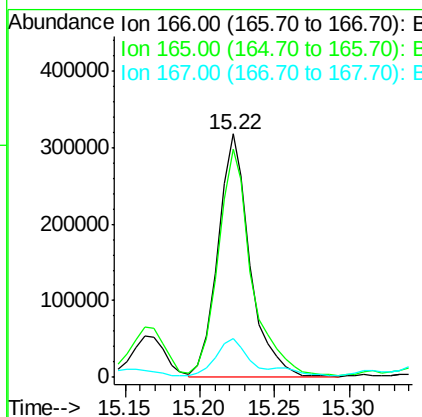
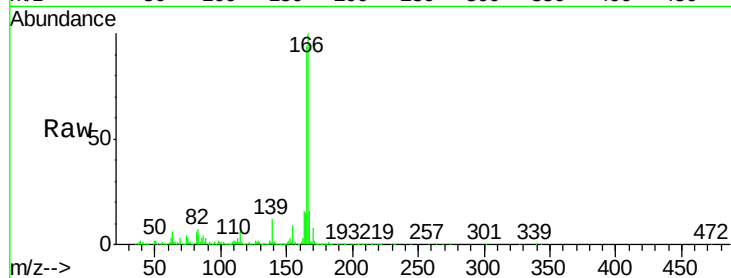
#59
Fluorene
 Concen: 18.55 ng/ul
 RT: 15.22 min Scan# 2133
 Delta R.T. 0.02 min
 Lab File: BG018227.D
 Acq: 2 Aug 2015 15:50

Instrument :
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 C02G6RE

Tgt Ion	Ratio	Lower	Upper
166	100		
165	93.8	75.1	112.7
167	15.9	11.8	17.6

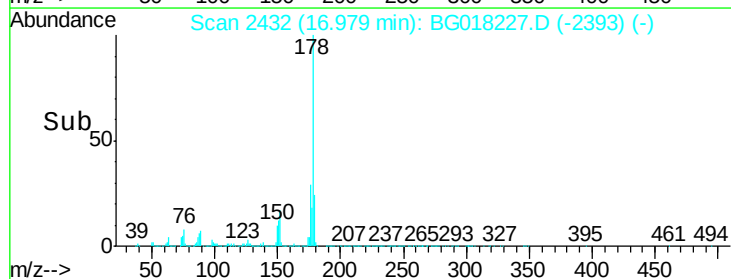
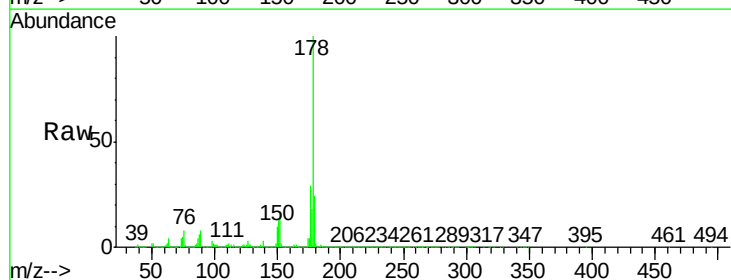
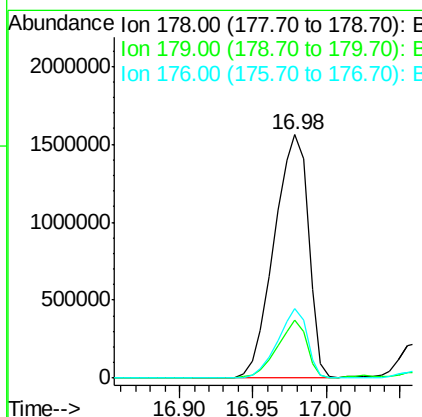
Manual Integrations
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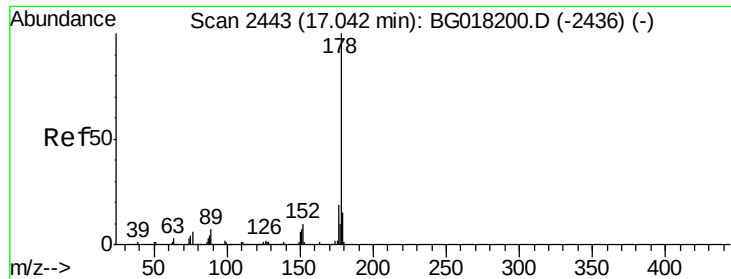
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#70
Phenanthrene
 Concen: 92.00 ng/ul m
 RT: 16.98 min Scan# 2432
 Delta R.T. 0.03 min
 Lab File: BG018227.D
 Acq: 2 Aug 2015 15:50

Tgt Ion	Ratio	Lower	Upper
178	100		
179	23.8	12.8	19.2#
176	28.7	16.0	24.0#





#72

Anthracene

Concen: 10.43 ng/ul

RT: 17.06 min Scan# 2446

Delta R.T. 0.02 min

Lab File: BG018227.D

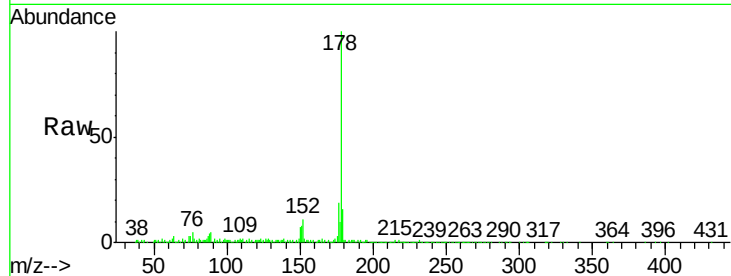
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Instrument :

BNA_G

ClientSampleId :

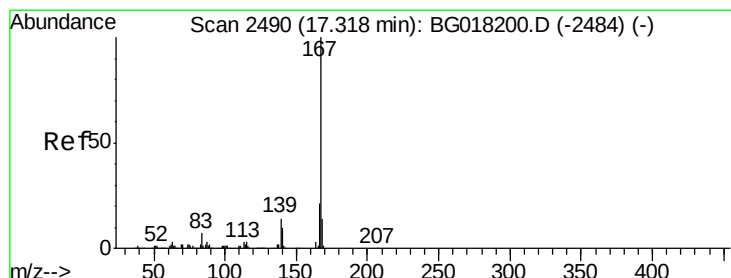
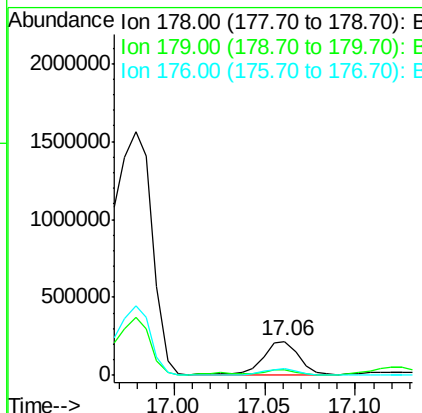
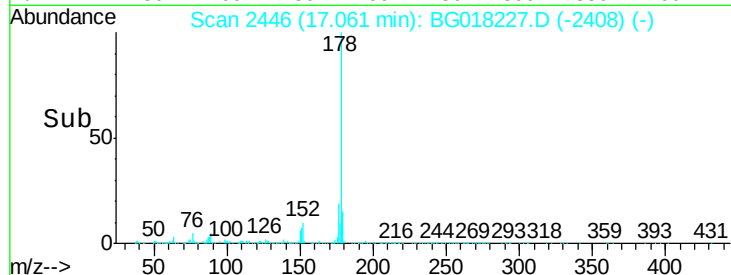
C02G6RE



Tgt Ion:	178	Resp:	287702
Ion Ratio		Lower	Upper
178	100		
179	16.2	12.2	18.2
176	19.5	14.8	22.2

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#75

Carbazole

Concen: 1.98 ng/ul

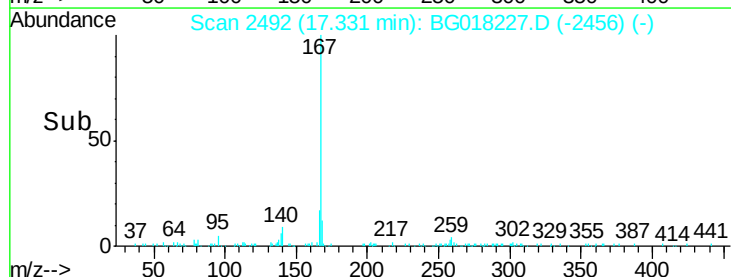
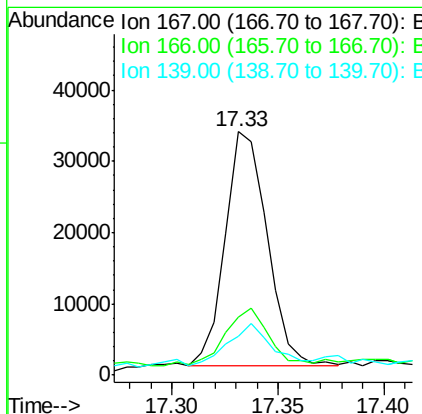
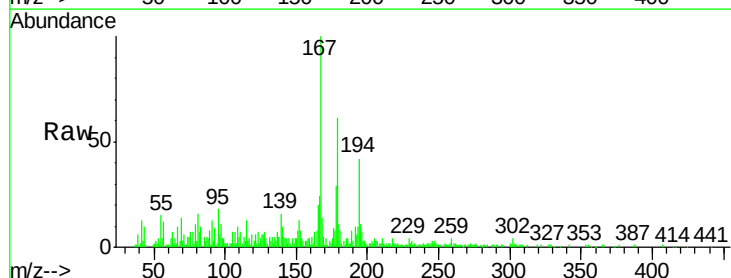
RT: 17.33 min Scan# 2492

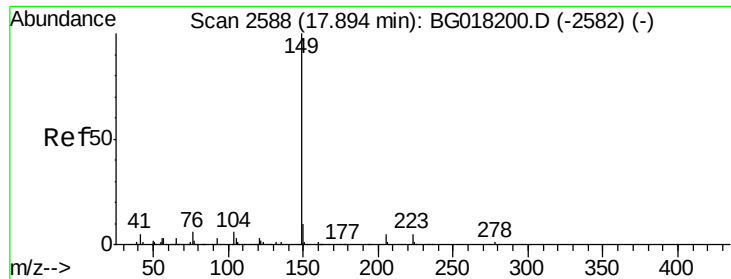
Delta R.T. 0.01 min

Lab File: BG018227.D

Acq: 2 Aug 2015 15:50

Tgt Ion:	167	Resp:	45369
Ion Ratio		Lower	Upper
167	100		
166	23.9	17.5	26.3
139	16.2	10.1	15.1#





#76

Di-n-butylphthalate

Concen: 2.88 ng/ul

RT: 17.91 min Scan# 2590

Delta R.T. 0.02 min

Lab File: BG018227.D

Acq: 2 Aug 2015 15:50

Instrument :

BNA_G

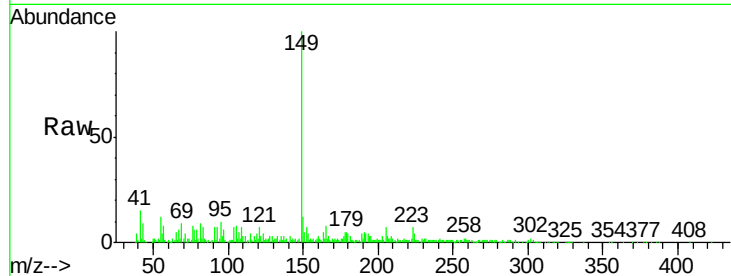
ClientSampleId :

C02G6RE

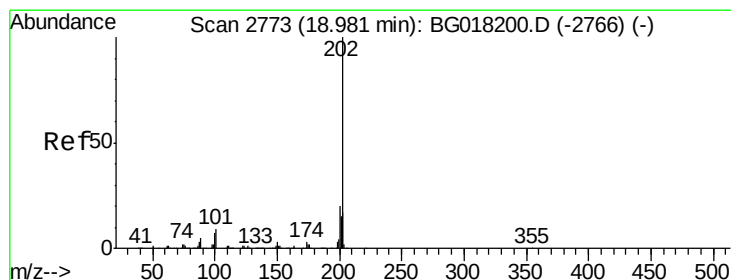
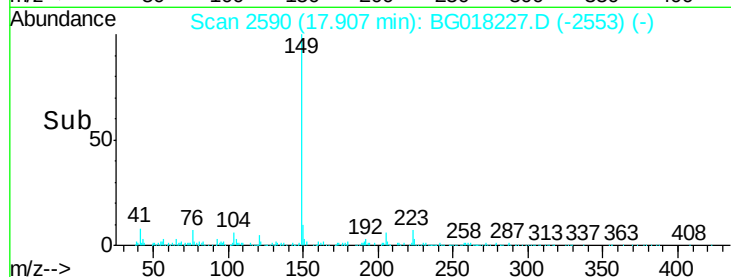
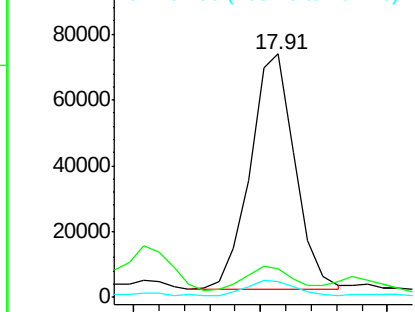
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Tgt Ion:	149	Resp:	87961
Ion Ratio	Lower	Upper	
149	100		
150	11.7	7.7	11.5#
104	6.7	3.6	5.4#



Abundance Ion 149.00 (148.70 to 149.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 104.00 (103.70 to 104.70): E



#77

Fluoranthene

Concen: 57.21 ng/ul

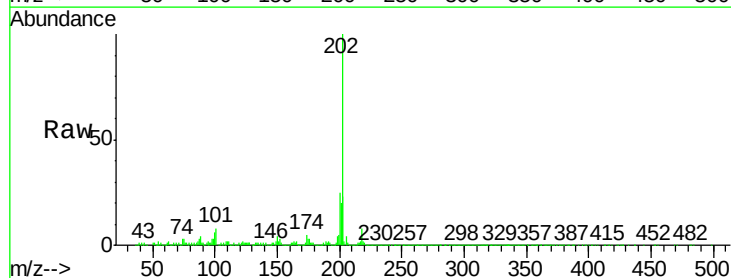
RT: 19.01 min Scan# 2778

Delta R.T. 0.03 min

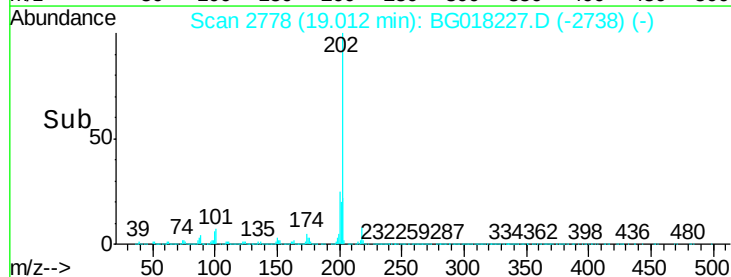
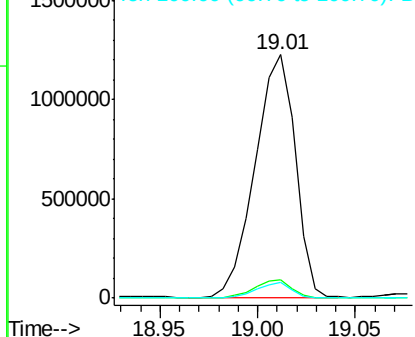
Lab File: BG018227.D

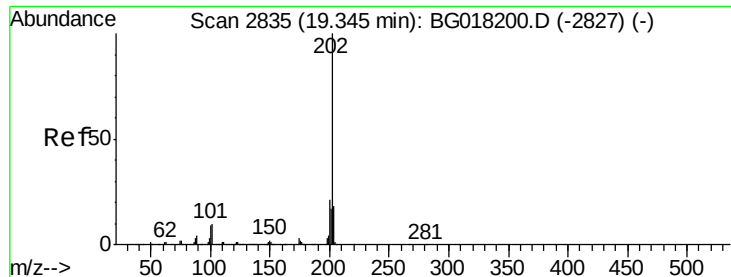
Acq: 2 Aug 2015 15:50

Tgt Ion:	202	Resp:	1742116
Ion Ratio	Lower	Upper	
202	100		
101	7.7	7.5	11.3
100	6.3	5.5	8.3



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





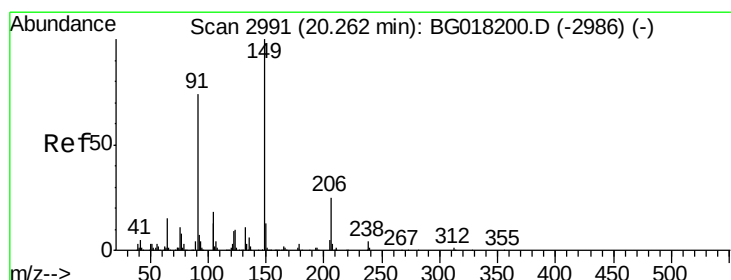
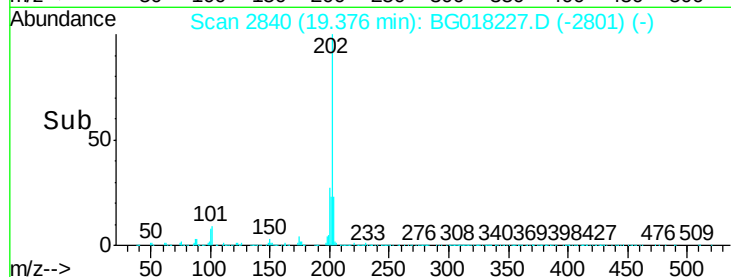
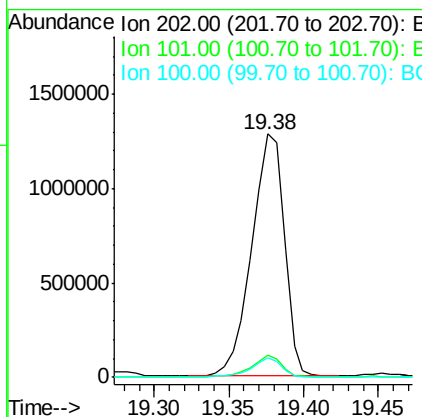
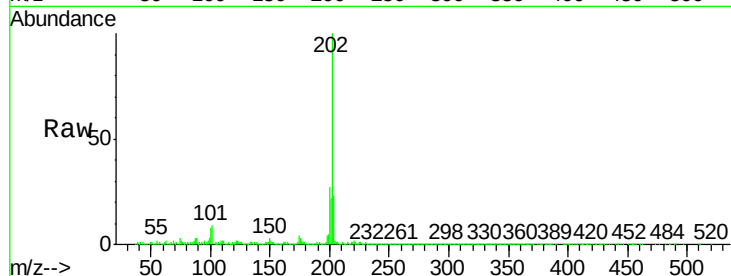
#80
 Pyrene
 Concen: 42.49 ng/ul
 RT: 19.38 min Scan# 2840
 Delta R.T. 0.03 min
 Lab File: BG018227.D
 Acq: 2 Aug 2015 15:50

Instrument :
 BNA_G
 ClientSampleId :
 C02G6RE

Tgt Ion	Ratio	Resp	Lower	Upper
202	100	1934998		
101	9.1		8.1	12.1
100	7.9		7.4	11.0

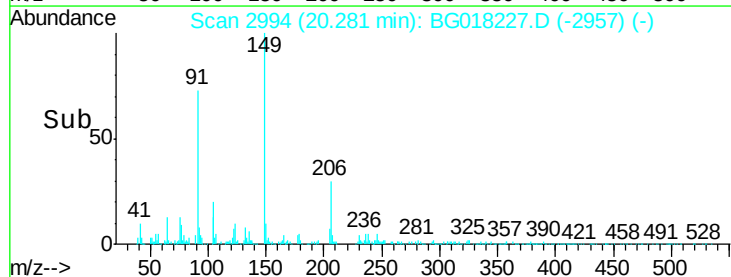
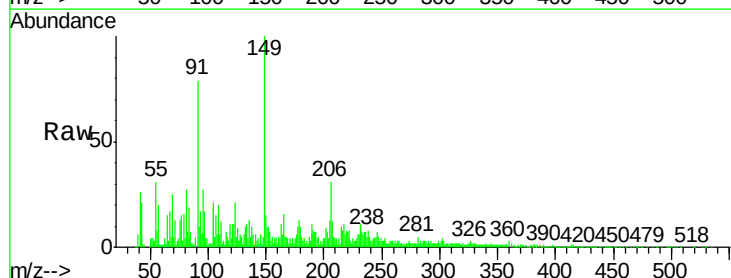
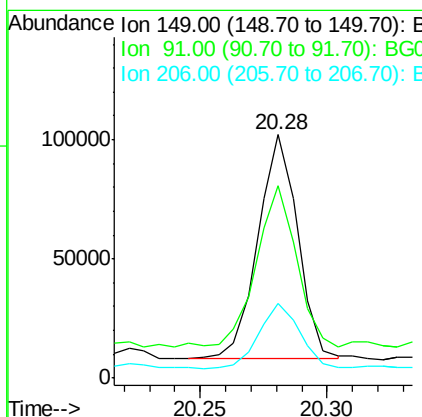
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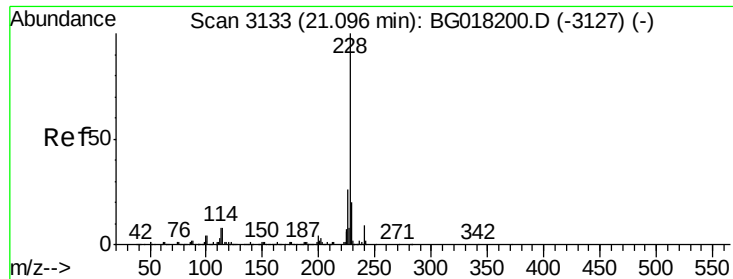
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#81
 Butylbenzylphthalate
 Concen: 5.50 ng/ul
 RT: 20.28 min Scan# 2994
 Delta R.T. 0.02 min
 Lab File: BG018227.D
 Acq: 2 Aug 2015 15:50

Tgt Ion	Ratio	Resp	Lower	Upper
149	100	101828		
91	79.0		46.6	69.8#
206	30.8		21.8	32.8





#83

Benzo(a)anthracene

Concen: 31.65 ng/ul

RT: 21.13 min Scan# 3139

Delta R.T. 0.03 min

Lab File: BG018227.D

Acq: 2 Aug 2015 15:50

Instrument :

BNA_G

ClientSampleId :

C02G6RE

Tgt Ion:228 Resp: 1279740

Ion Ratio Lower Upper

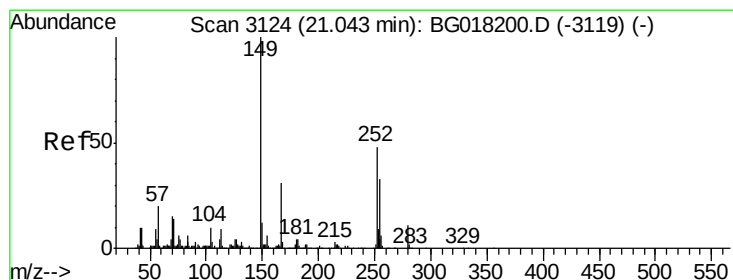
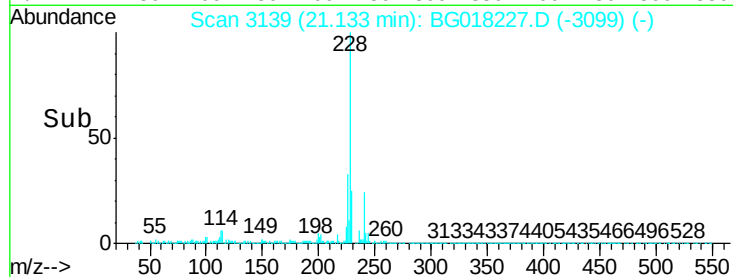
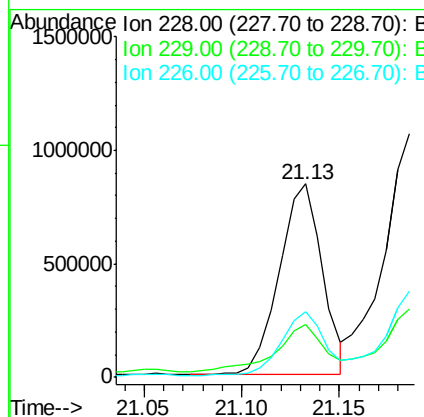
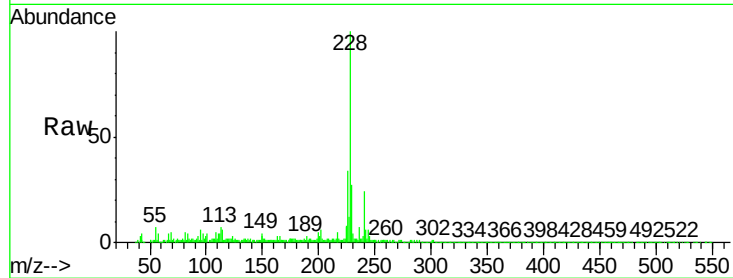
228 100

229 27.3 16.5 24.7#

226 34.2 21.5 32.3#

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#84

Bis(2-ethylhexyl)phthalate

Concen: 14.24 ng/ul m

RT: 21.06 min Scan# 3127

Delta R.T. 0.02 min

Lab File: BG018227.D

Acq: 2 Aug 2015 15:50

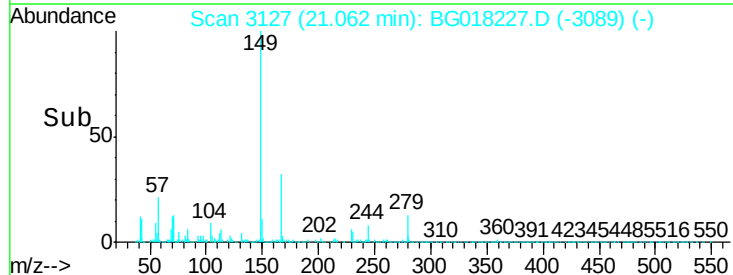
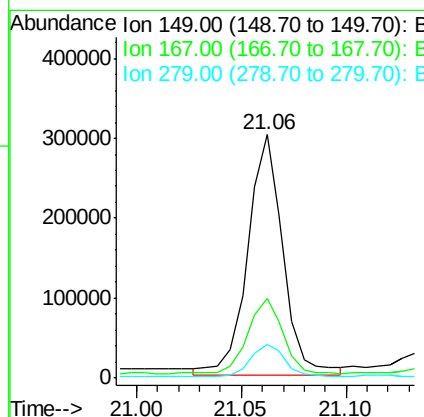
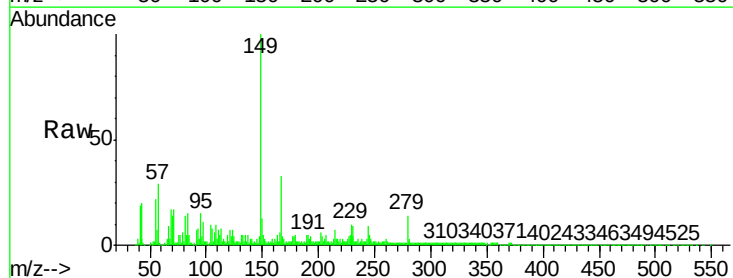
Tgt Ion:149 Resp: 355340

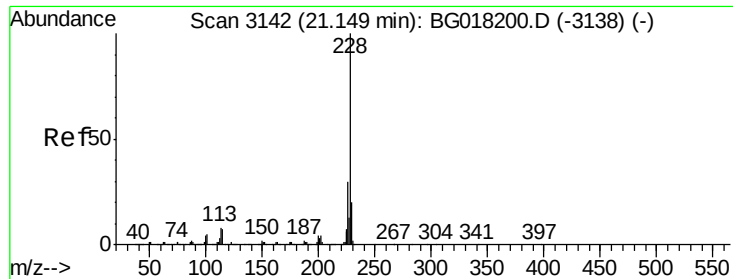
Ion Ratio Lower Upper

149 100

167 32.8 27.4 41.2

279 13.8 8.3 12.5#





#85

Chrysene

Concen: 39.13 ng/ul

RT: 21.19 min Scan# 3148

Delta R.T. 0.03 min

Lab File: BG018227.D

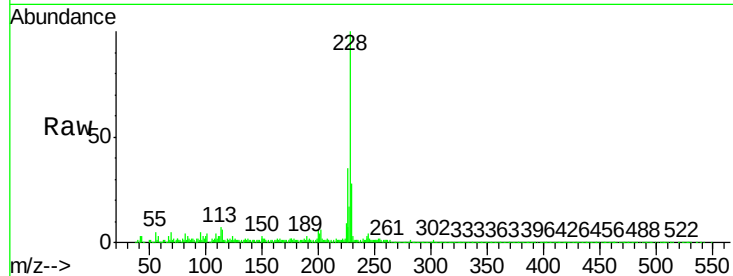
Acq: 2 Aug 2015 15:50

Instrument :

BNA_G

ClientSampleId :

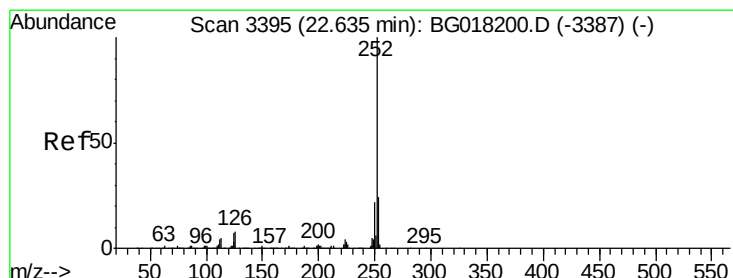
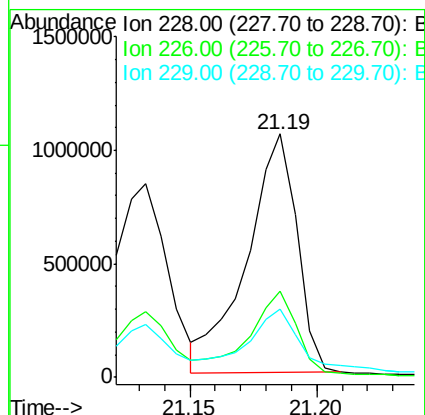
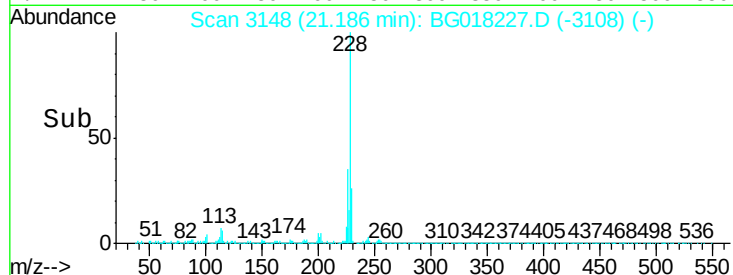
C02G6RE



Tgt Ion	Ratio	Lower	Upper
228	100		
226	35.3	22.7	34.1#
229	27.8	16.2	24.2#

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#88

Benzo(b)fluoranthene

Concen: 30.63 ng/ul

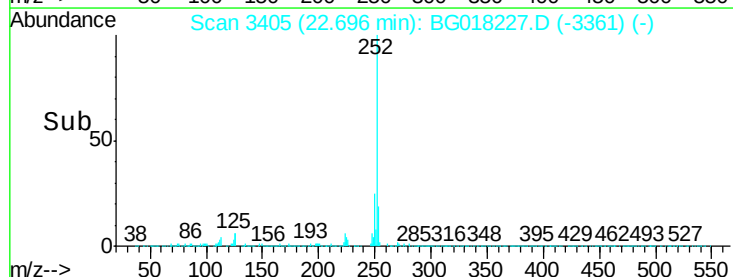
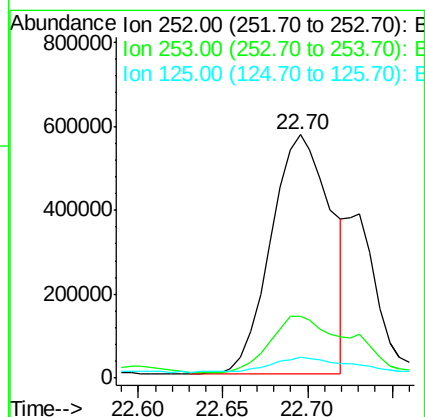
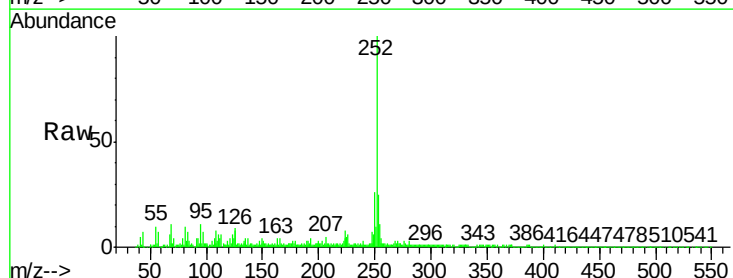
RT: 22.70 min Scan# 3405

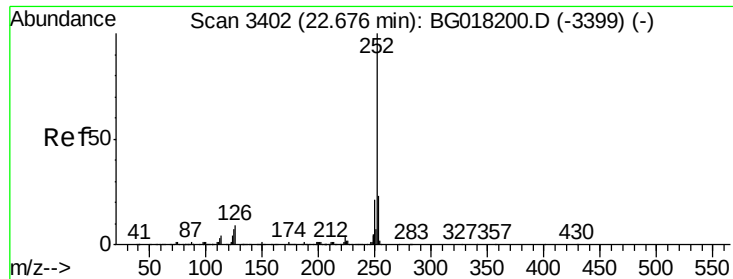
Delta R.T. 0.06 min

Lab File: BG018227.D

Acq: 2 Aug 2015 15:50

Tgt Ion	Ratio	Lower	Upper
252	100		
253	25.2	18.5	27.7
125	8.6	7.4	11.0





#89

Benzo(k)fluoranthene

Concen: 12.02 ng/ul m

RT: 22.73 min Scan# 3411

Delta R.T. 0.05 min

Lab File: BG018227.D

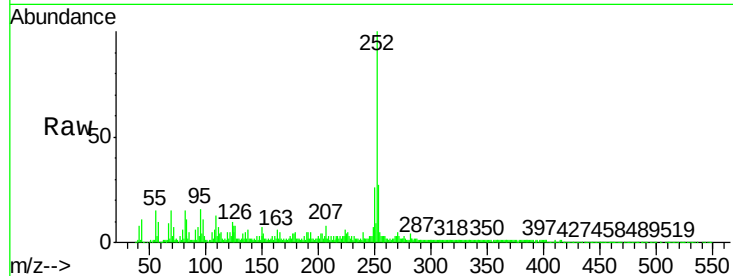
Acq: 2 Aug 2015 15:50

Instrument :

BNA_G

ClientSampleId :

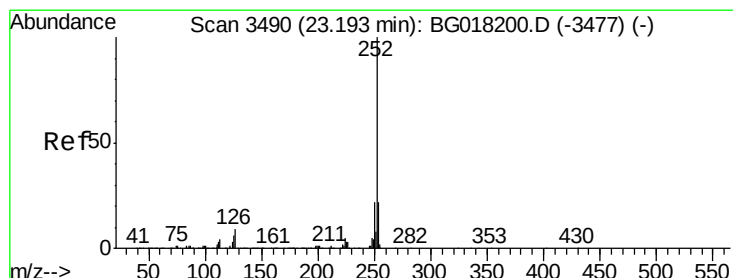
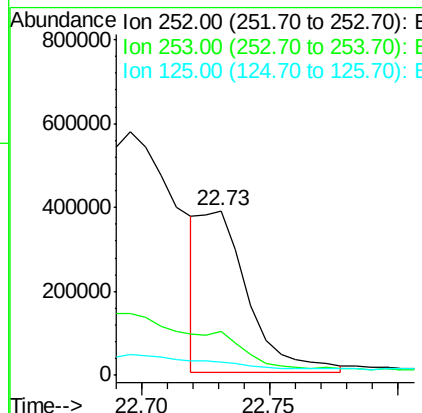
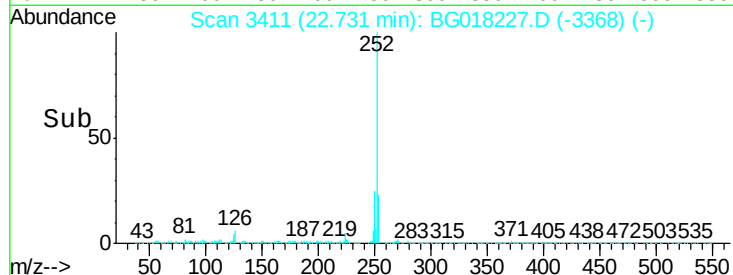
C02G6RE



Tgt Ion	Ratio	Lower	Upper
252	100		
253	26.7	18.2	27.2
125	8.3	7.5	11.3

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#91

Benzo(a)pyrene

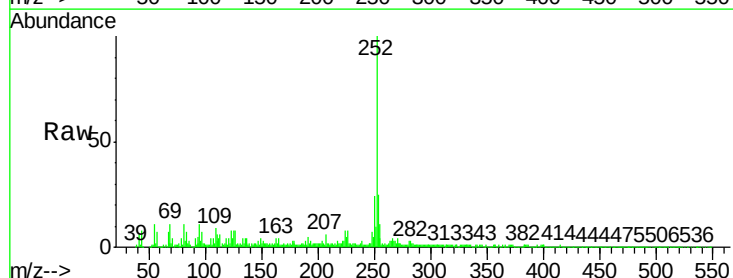
Concen: 22.52 ng/ul

RT: 23.26 min Scan# 3501

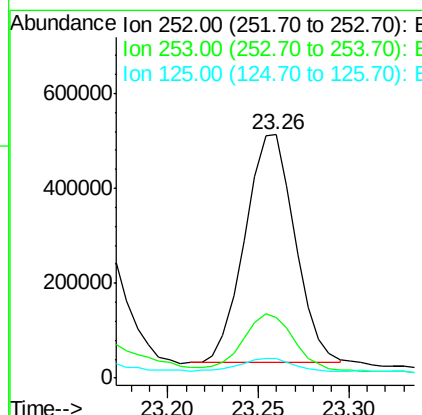
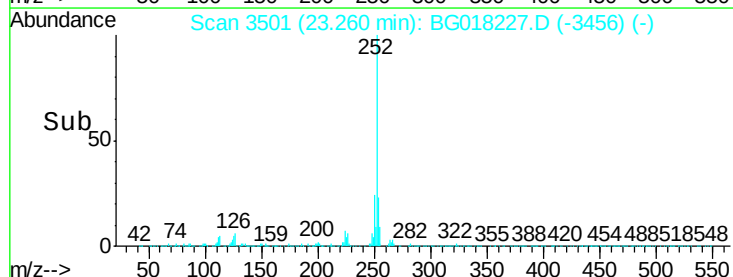
Delta R.T. 0.06 min

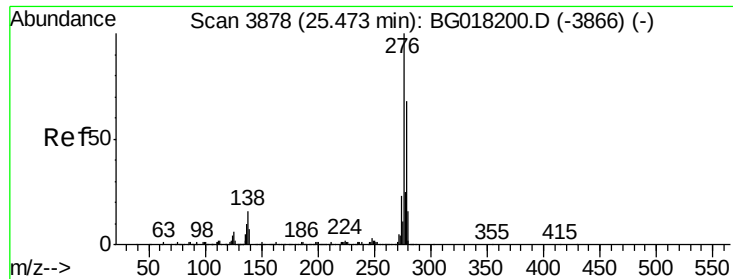
Lab File: BG018227.D

Acq: 2 Aug 2015 15:50



Tgt Ion	Ratio	Lower	Upper
252	100		
253	25.1	17.4	26.2
125	8.0	7.3	10.9





#92

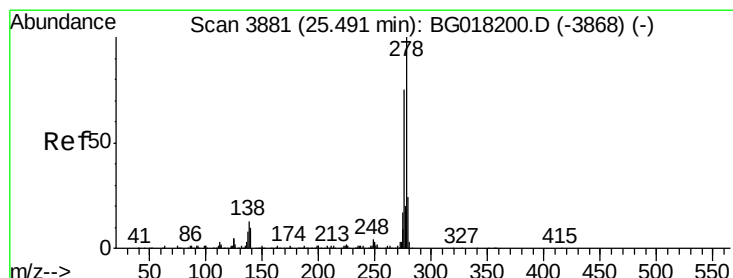
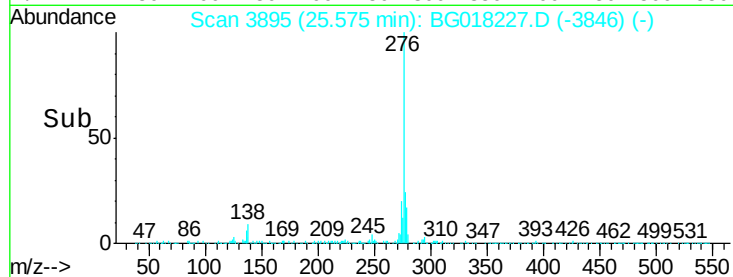
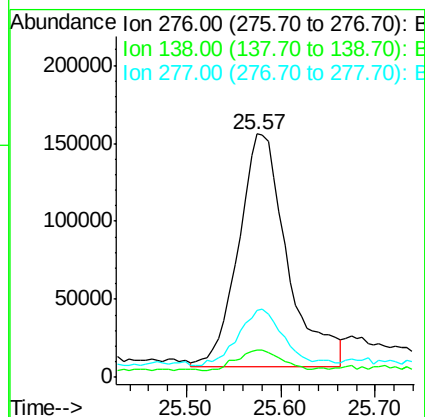
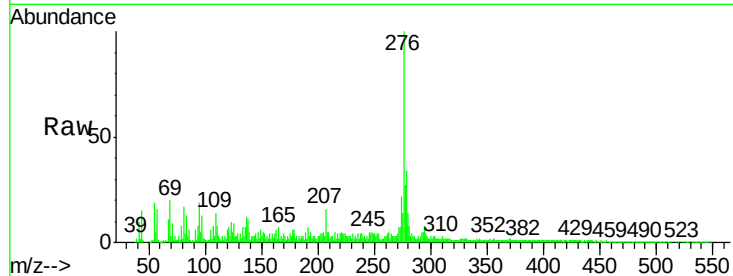
Indeno(1,2,3-cd)pyrene
Concen: 11.33 ng/ul m
RT: 25.57 min Scan# 3895
Delta R.T. 0.09 min
Lab File: BG018227.D
Acq: 2 Aug 2015 15:50

Instrument :
BNA_G
ClientSampleId :
C02G6RE

Tgt Ion	Ratio	Lower	Upper
276	100		
138	11.4	17.2	25.8#
277	27.3	19.5	29.3

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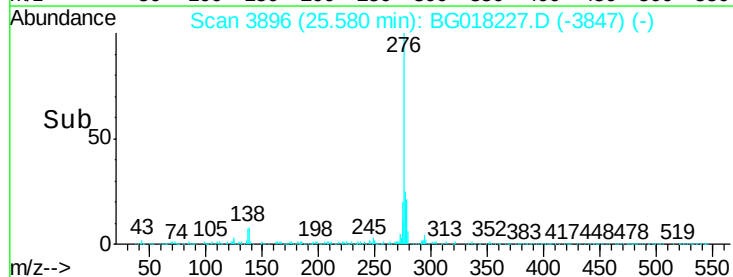
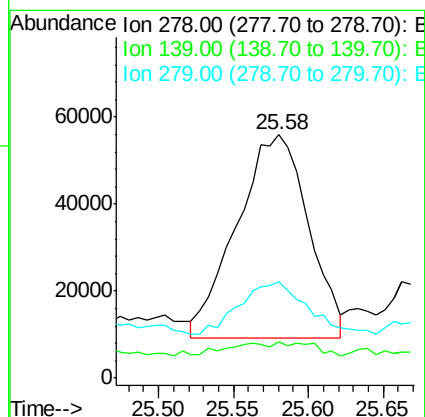
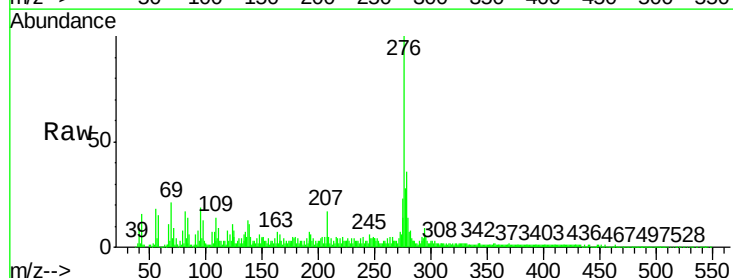
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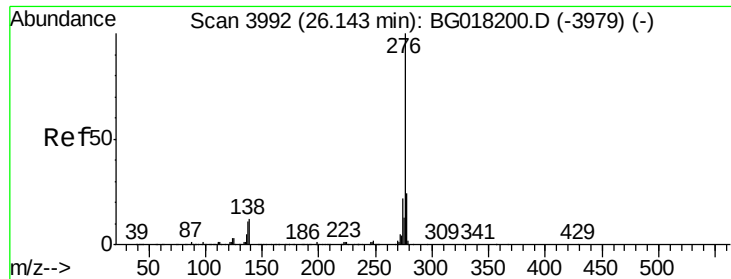


#93

Dibenzo(a,h)anthracene
Concen: 3.79 ng/ul m
RT: 25.58 min Scan# 3896
Delta R.T. 0.09 min
Lab File: BG018227.D
Acq: 2 Aug 2015 15:50

Tgt Ion	Ratio	Lower	Upper
278	100		
139	15.0	12.2	18.2
279	39.8	20.0	30.0#





#94

Benzo(g,h,i)perylene

Concen: 11.96 ng/ul m

RT: 26.26 min Scan# 4012

Delta R.T. 0.11 min

Lab File: BG018227.D

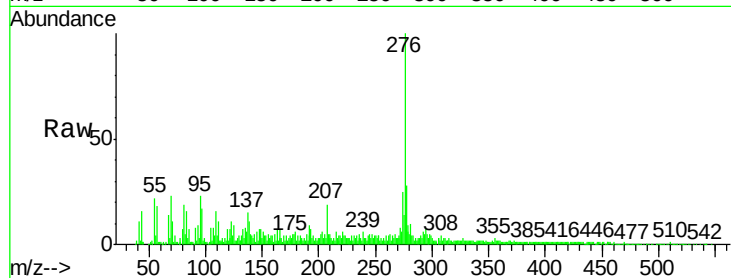
Acq: 2 Aug 2015 15:50

Instrument :

BNA_G

ClientSampleId :

C02G6RE



Tgt Ion: 276 Resp: 462557

Ion Ratio Lower Upper

276 100

138 10.7 15.1 22.7#

277 28.4 19.8 29.6

Manual Integrations
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