

Data Path : Z:\HPCHEM1\BNA G\DATA\BG080915\
 Data File : BG018342.D
 Acq On : 9 Aug 2015 23:34
 Operator : UM/TP
 Sample : G3136-01
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 C02F6

Manual Integrations
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Quant Time: Aug 10 08:15:26 2015
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG080915.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Mon Aug 10 07:50:23 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.08	152	157093	20.00	ng/ul	0.01
18) Naphthalene-d8	10.88	136	685454	20.00	ng/ul	0.01
36) Acenaphthene-d10	14.69	164	389539	20.00	ng/ul	0.01
62) Phenanthrene-d10	17.44	188	796309	20.00	ng/ul	0.02
78) Chrysene-d12	21.72	240	607904	20.00	ng/ul	0.03
86) Perylene-d12	25.02	264	601509	20.00	ng/ul	0.10

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.53	96	4829	1.36	ng/uL	0.00
5) Phenol-d5	7.23	99	111513	7.82	ng/ul	0.01
7) Bis-(2-Chloroethyl)ether-d	7.40	67	74096	8.39	ng/ul	0.00
9) 2-Chlorophenol-d4	7.61	132	90672	8.30	ng/ul	0.01
13) 4-Methylphenol-d8	8.77	113	93634	7.82	ng/ul	0.01
19) Nitrobenzene-d5	9.23	128	47250	8.84	ng/ul	0.00
22) 2-Nitrophenol-d4	9.95	143	50936	9.36	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.49	165	98000	8.49	ng/ul	0.00
29) 4-Chloroaniline-d4	11.01	131	46415	3.56	ng/ul	0.00
44) Dimethylphthalate-d6	14.10	166	291506	8.89	ng/ul	0.00
47) Acenaphthylene-d8	14.39	160	353993	8.58	ng/ul	0.01
52) 4-Nitrophenol-d4	14.87	143	31027	5.26	ng/ul	0.01
58) Fluorene-d10	15.68	176	238645	8.36	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.79	200	7556	1.93	ng/ul	0.00
71) Anthracene-d10	17.54	188	328263	8.62	ng/ul	0.01
79) Pyrene-d10	19.83	212	306983	9.73	ng/ul	0.02
90) Benzo(a)pyrene-d12	24.78	264	275897	8.64	ng/ul	0.08

Target Compounds

					Ovalue
14) Acetophenone	8.89	105	25841	1.49 ng/ul#	63
16) 4-Methylphenol	8.83	108	27856	2.26 ng/ul	95
24) 2,4-Dimethylphenol	10.04	107	27034	2.00 ng/ul	96
28) Naphthalene	10.93	128	321027	8.86 ng/ul	99
34) 2-Methylnaphthalene	12.53	142	274011	10.44 ng/ul	94
35) 1-Methylnaphthalene	12.75	142	171270	6.69 ng/ul	100
41) 1,1'-Biphenyl	13.53	154	111248	3.42 ng/ul	97
45) Dimethylphthalate	14.14	163	121478	3.76 ng/ul#	98
50) Acenaphthene	14.76	153	416032	14.33 ng/ul	99
54) Dibenzofuran	15.09	168	333292	8.78 ng/ul	97
59) Fluorene	15.74	166	313766	9.61 ng/ul	99
70) Phenanthrene	17.49	178	1223852	28.33 ng/ul	99
72) Anthracene	17.57	178	363961	8.27 ng/ul	98
75) Carbazole	17.84	167	134364	3.48 ng/ul#	93
76) Di-n-butylphthalate	18.41	149	108469	2.15 ng/ul#	94
77) Fluoranthene	19.50	202	1139440	24.69 ng/ul	99
80) Pyrene	19.86	202	944866	22.99 ng/ul	99
81) Butylbenzylphthalate	20.74	149	73591	4.23 ng/ul#	71
83) Benzo(a)anthracene	21.70	228	378435	10.04 ng/ul#	94
84) Bis(2-ethylhexyl)phthalate	21.62	149	1322149	53.82 ng/ul	97
85) Chrysene	21.77	228	363807m	10.32 ng/ul	
88) Benzo(b)fluoranthene	23.97	252	425333	11.25 ng/ul#	54
89) Benzo(k)fluoranthene	24.03	252	137225	3.77 ng/ul#	6

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Quant Title : SVOA CALIBRATION
QLast Update : Mon Aug 10 07:50:23 2015
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
91) Benzo(a)pyrene	24.86	252	290254	8.08	ng/ul#	47
92) Indeno(1,2,3-cd)pyrene	28.77	276	191064m	4.60	ng/ul	
94) Benzo(q,h,i)perylene	29.92	276	167320m	4.79	ng/ul	

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

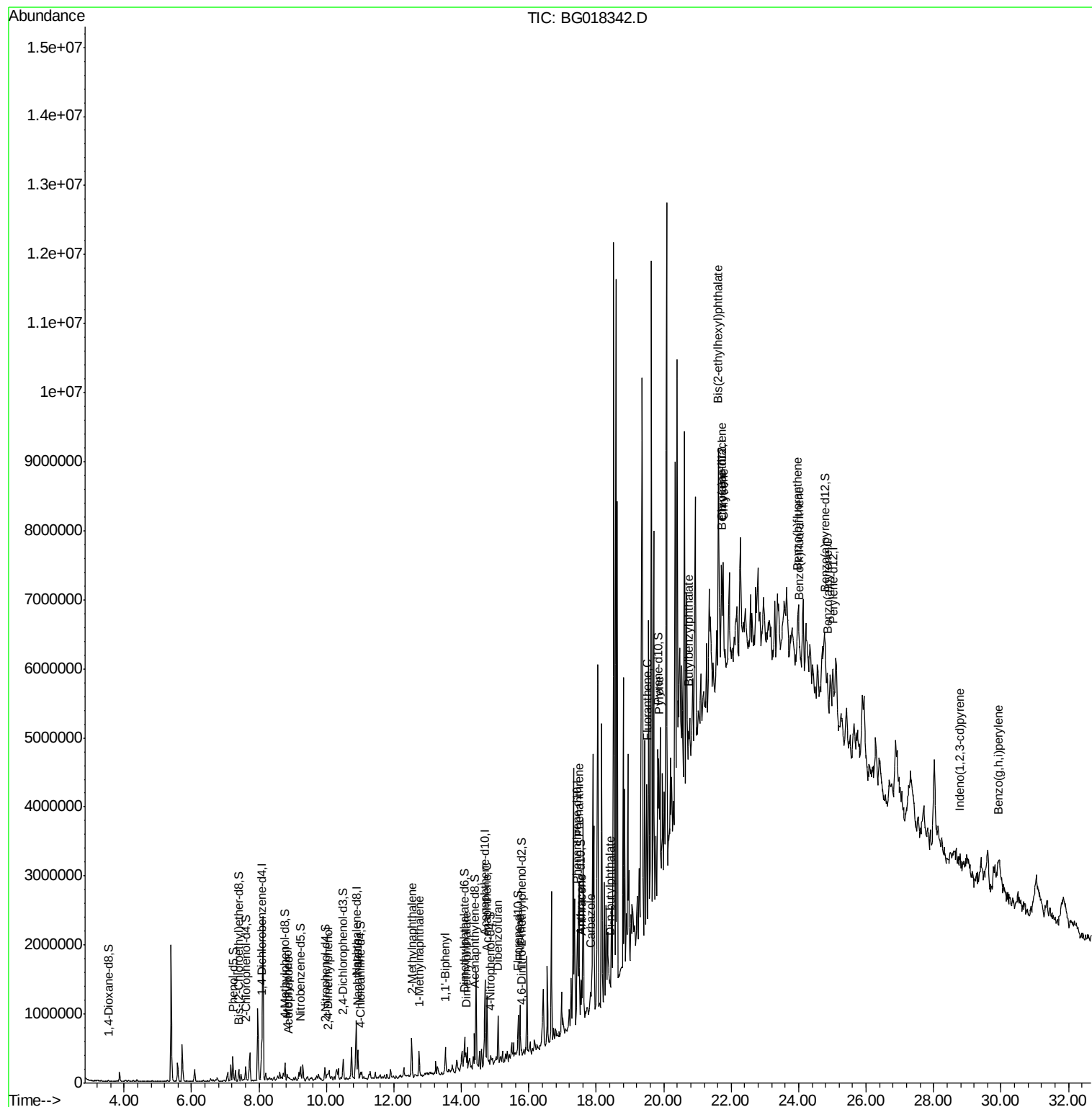
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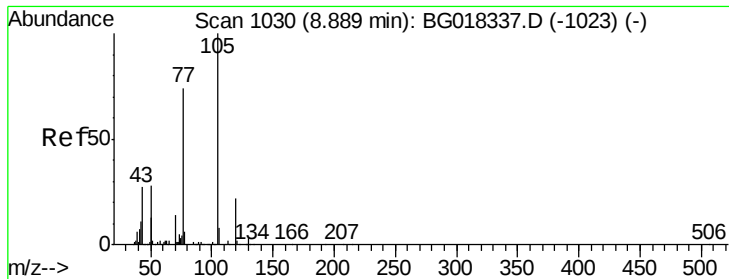
Instrument :
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ClientSampleId :
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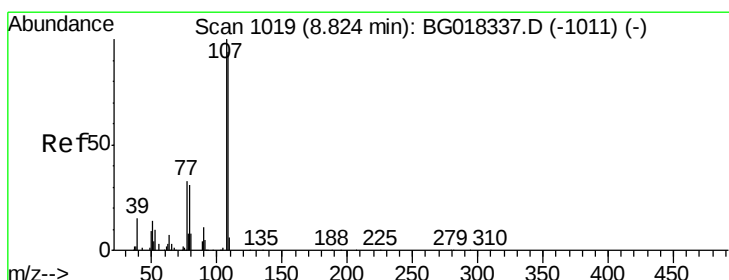
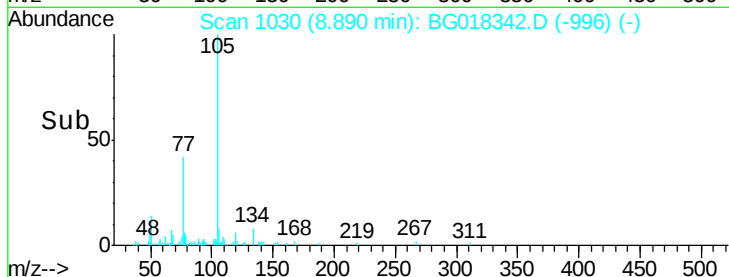
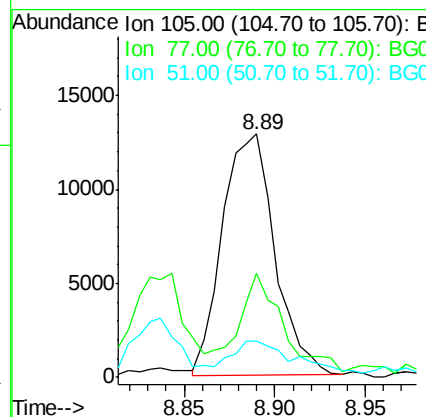
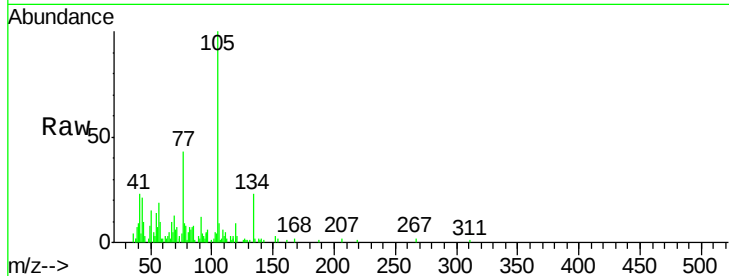
#14
 Acetophenone
 Concen: 1.49 ng/ul
 RT: 8.89 min Scan# 1030
 Delta R.T. 0.00 min
 Lab File: BG018342.D
 Acq: 9 Aug 2015 23:34

Instrument :
 BNA_G
 ClientSampleId :
 C02F6

Tot Ion	Ratio	Resp	Lower	Upper
105	100	25841		
77	42.7	61.9	92.9#	
51	14.8	25.5	38.3#	

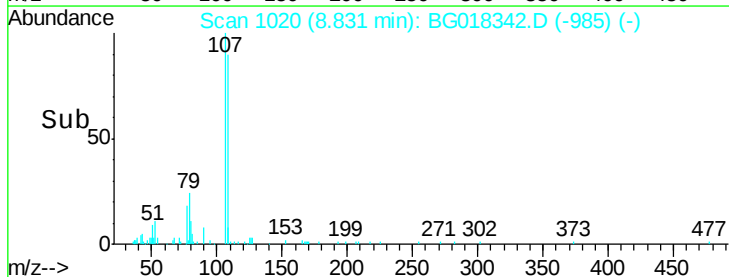
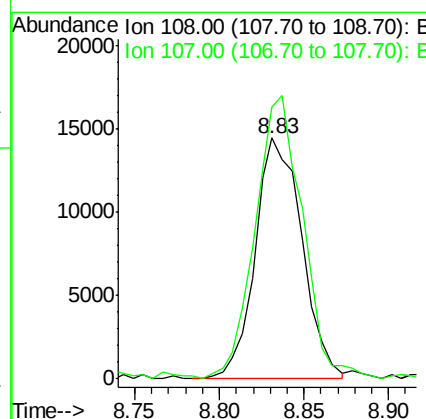
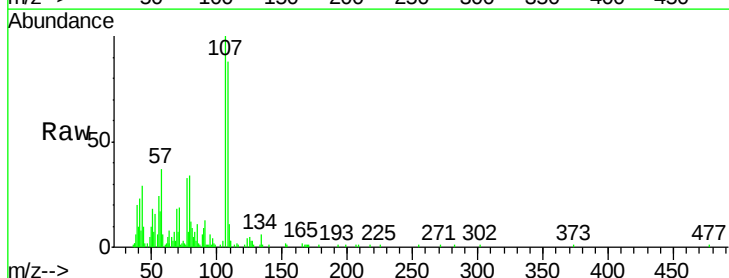
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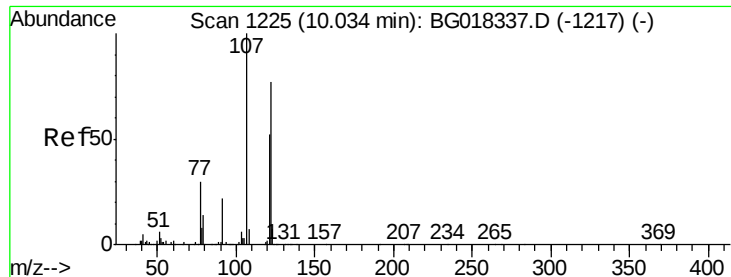
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#16
 4-Methylphenol
 Concen: 2.26 ng/ul
 RT: 8.83 min Scan# 1020
 Delta R.T. 0.01 min
 Lab File: BG018342.D
 Acq: 9 Aug 2015 23:34

Tgt Ion	Ratio	Resp	Lower	Upper
108	100	27856		
107	113.0	94.6	142.0	





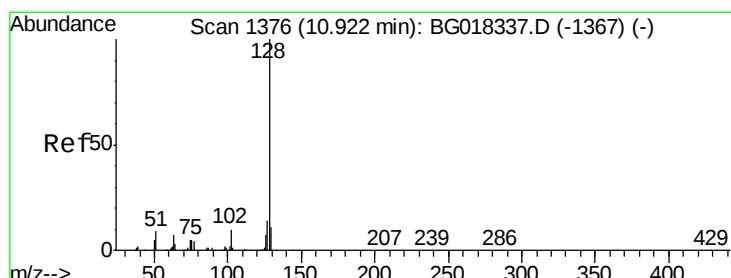
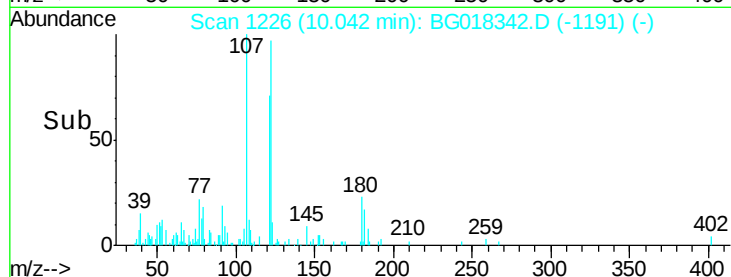
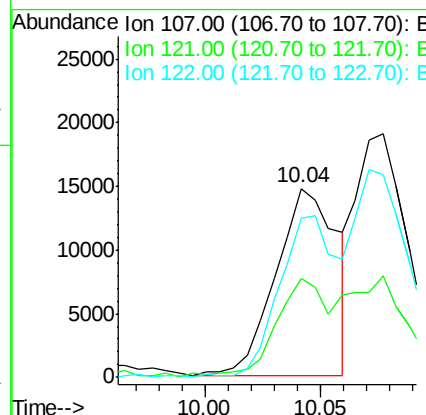
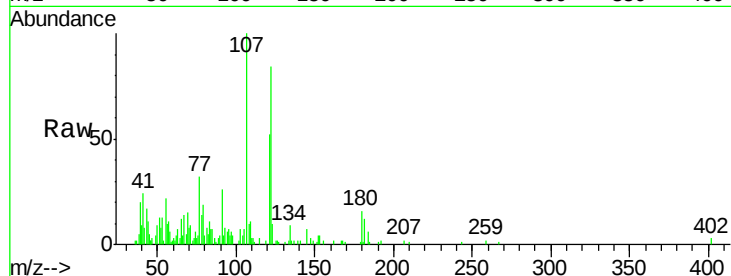
#24
2,4-Dimethylphenol
Concen: 2.00 ng/ul
RT: 10.04 min Scan# 1226
Delta R.T. 0.01 min
Lab File: BG018342.D
Acq: 9 Aug 2015 23:34

Instrument :
BNA_G
ClientSampled :
C02F6

Tot Ion	Ratio	Lower	Upper
107	100		
121	52.1	41.3	61.9
122	84.4	71.9	107.9

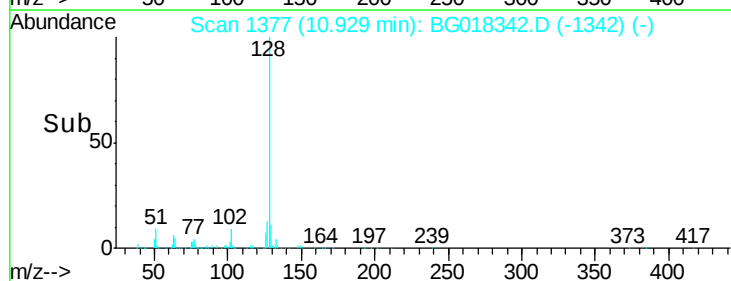
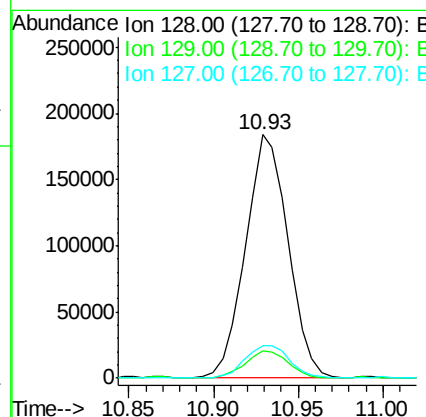
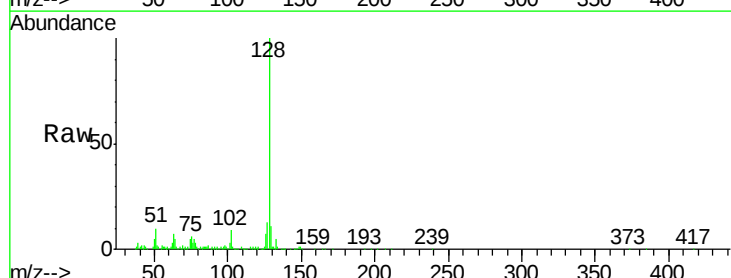
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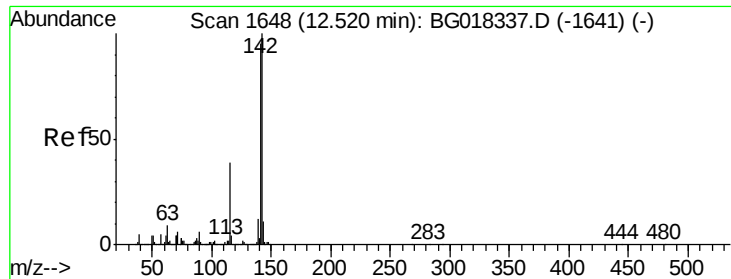
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#28
Naphthalene
Concen: 8.86 ng/ul
RT: 10.93 min Scan# 1377
Delta R.T. 0.01 min
Lab File: BG018342.D
Acq: 9 Aug 2015 23:34

Tgt Ion	Ratio	Lower	Upper
128	100		
129	11.1	9.6	14.4
127	13.2	10.5	15.7





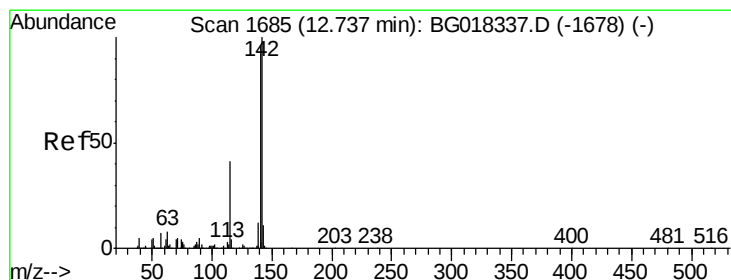
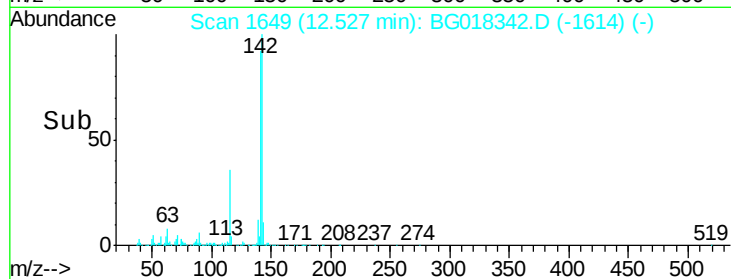
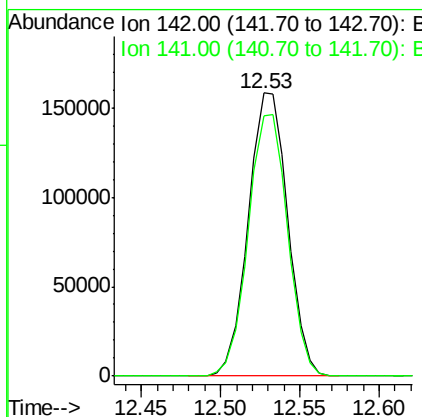
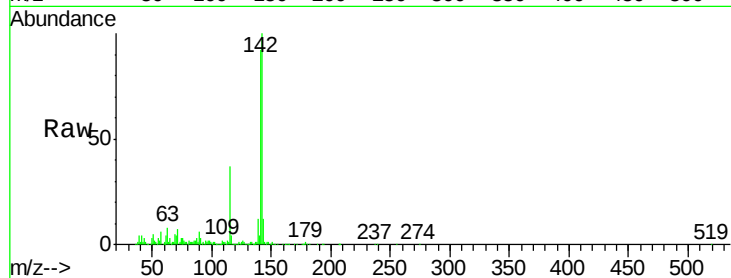
#34
2-Methylnaphthalene
Concen: 10.44 ng/ul
RT: 12.53 min Scan# 1649
Delta R.T. 0.01 min
Lab File: BG018342.D
Acq: 9 Aug 2015 23:34

Instrument :
BNA_G
ClientSampleId :
C02F6

Tot Ion	Ratio	Resp	Lower	Upper
142	100	274011		
141	91.9	78.0	117.0	

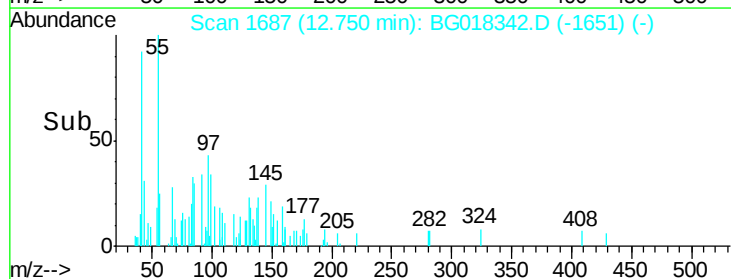
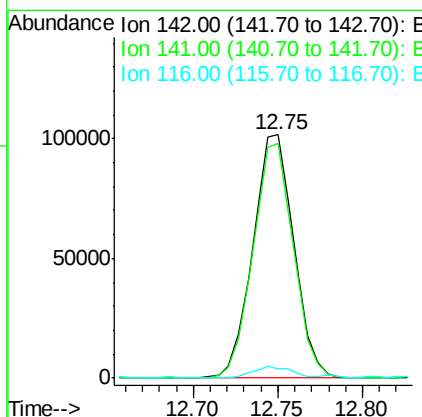
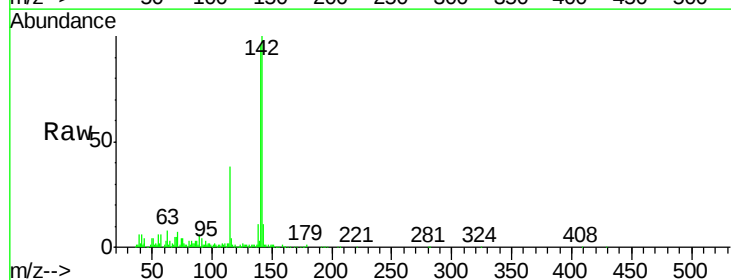
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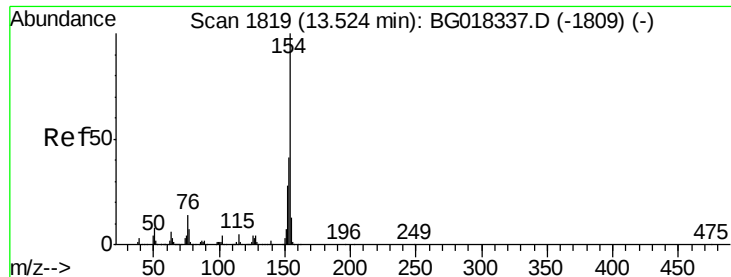
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#35
1-Methylnaphthalene
Concen: 6.69 ng/ul
RT: 12.75 min Scan# 1687
Delta R.T. 0.01 min
Lab File: BG018342.D
Acq: 9 Aug 2015 23:34

Tgt Ion	Ratio	Resp	Lower	Upper
142	100	171270		
141	96.4	77.1	115.7	
116	4.1	3.5	5.3	





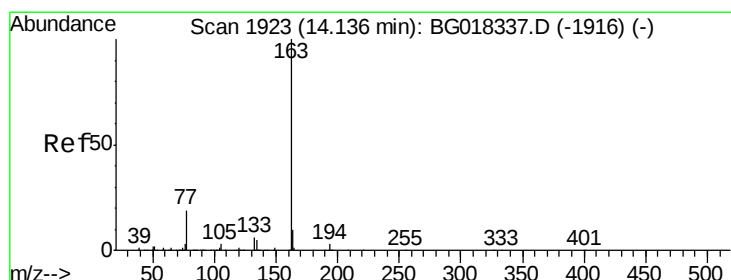
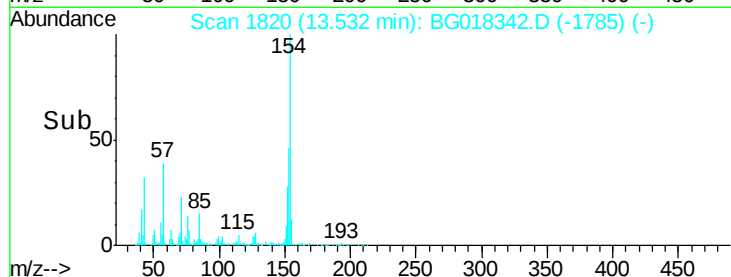
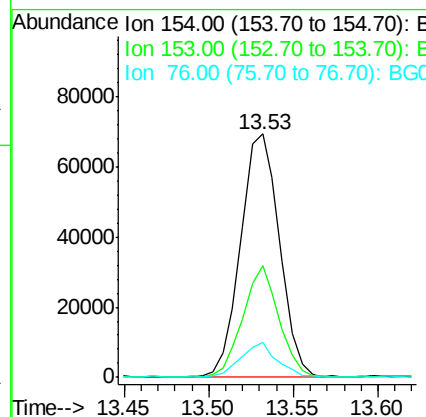
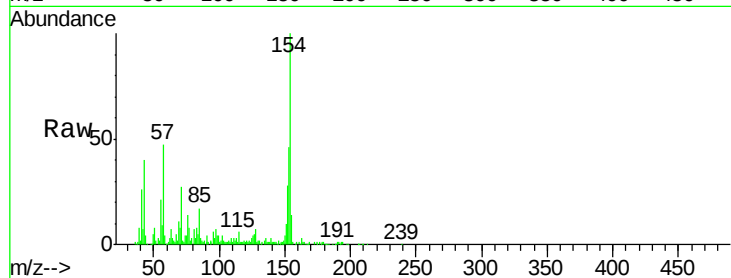
#41
 1,1'-Biphenyl
 Concen: 3.42 ng/ul
 RT: 13.53 min Scan# 1820
 Delta R.T. 0.01 min
 Lab File: BG018342.D
 Acq: 9 Aug 2015 23:34

Instrument :
 BNA_G
 ClientSampleId :
 C02F6

Tot Ion	Ratio	Lower	Upper
154	100		
153	46.1	35.2	52.8
76	14.4	10.6	16.0

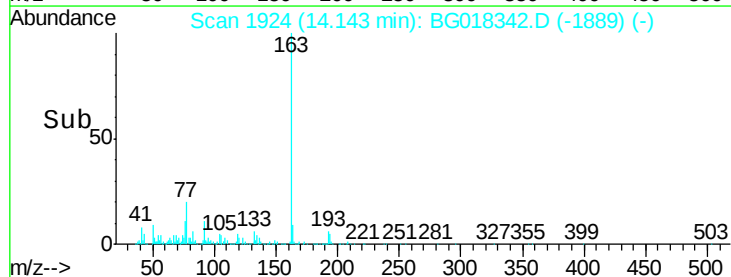
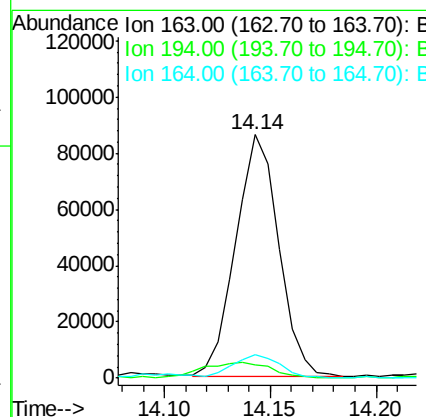
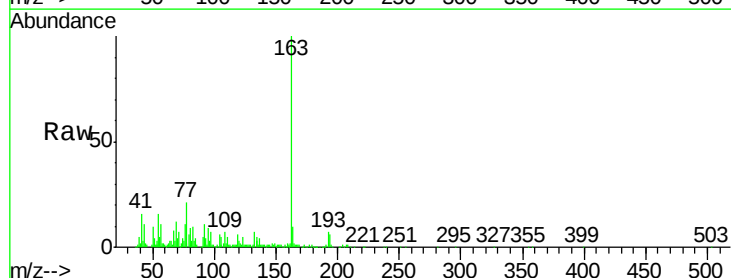
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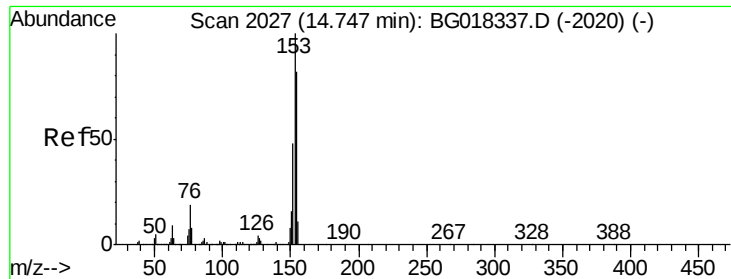
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#45
 Dimethylphthalate
 Concen: 3.76 ng/ul
 RT: 14.14 min Scan# 1924
 Delta R.T. 0.01 min
 Lab File: BG018342.D
 Acq: 9 Aug 2015 23:34

Tgt Ion	Ratio	Lower	Upper
163	100		
194	5.6	2.9	4.3#
164	9.6	7.7	11.5





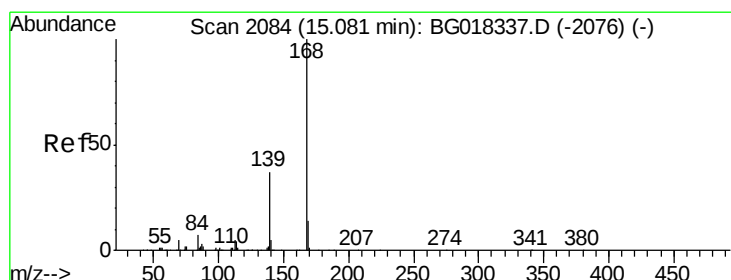
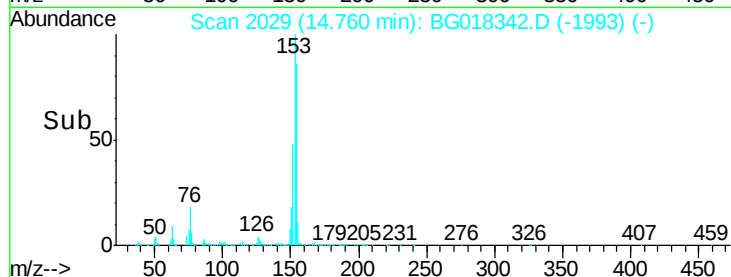
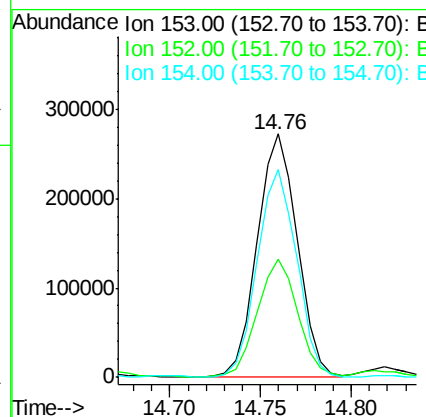
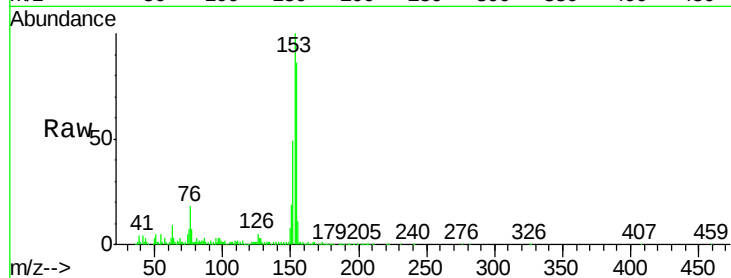
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Acenaphthene
Concen: 14.33 ng/ul
RT: 14.76 min Scan# 2029
Delta R.T. 0.01 min
Lab File: BG018342.D
Acq: 9 Aug 2015 23:34

Instrument :
BNA_G
ClientSampleId :
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Tot Ion	Ratio	Resp	Lower	Upper
153	100	416032		
152	48.6		38.2	57.4
154	85.5		68.6	103.0

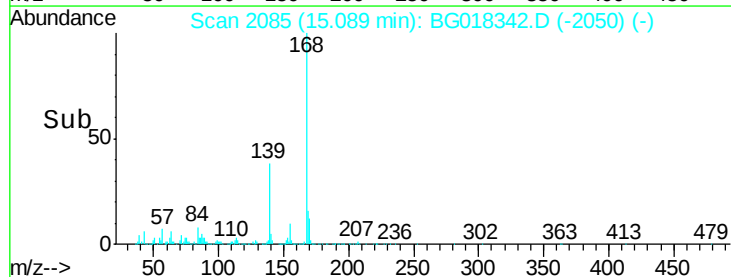
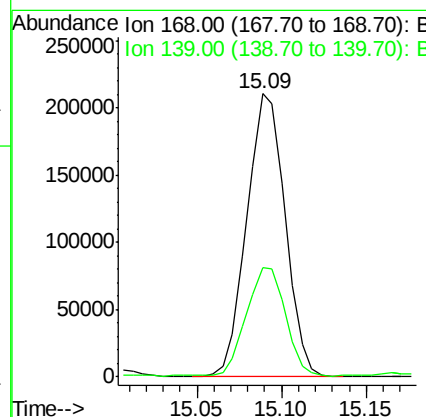
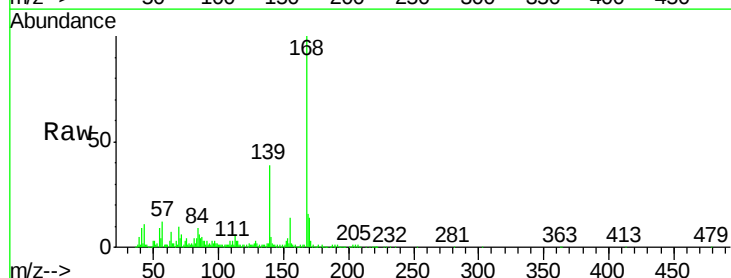
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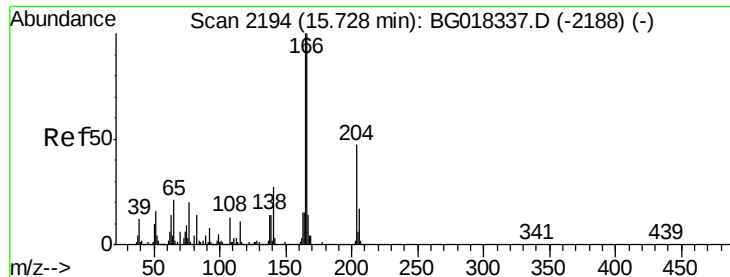
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#54
Dibenzofuran
Concen: 8.78 ng/ul
RT: 15.09 min Scan# 2085
Delta R.T. 0.01 min
Lab File: BG018342.D
Acq: 9 Aug 2015 23:34

Tgt Ion	Ratio	Resp	Lower	Upper
168	100	333292		
139	38.6		29.7	44.5





#59

Fluorene

Concen: 9.61 ng/ul

RT: 15.74 min Scan# 2196

Delta R.T. 0.01 min

Lab File: BG018342.D

Acq: 9 Aug 2015 23:34

Instrument :

BNA_G

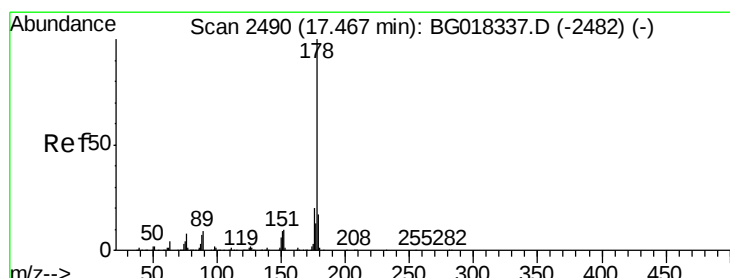
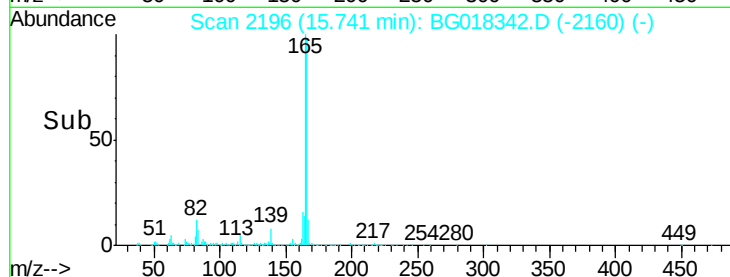
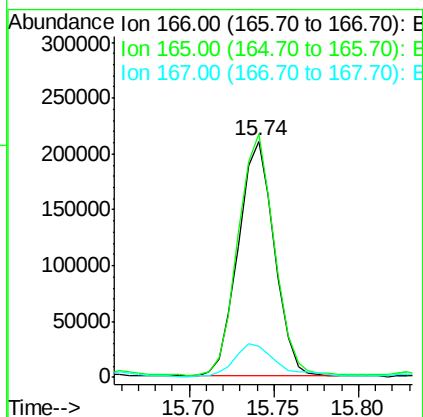
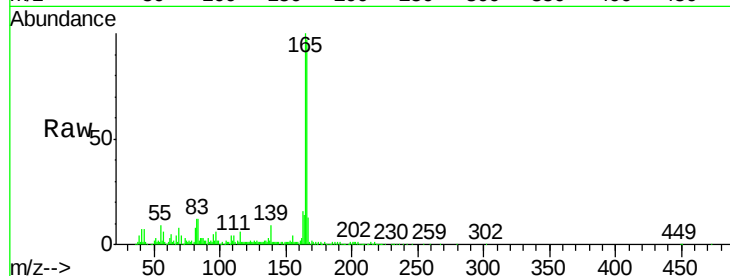
ClientSampled :

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Tot Ion:	166	Resp:	313766
Ion Ratio	Lower	Upper	
166	100		
165	102.9	82.6	124.0
167	13.4	11.4	17.0

Manual Integrations
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#70

Phenanthrene

Concen: 28.33 ng/ul

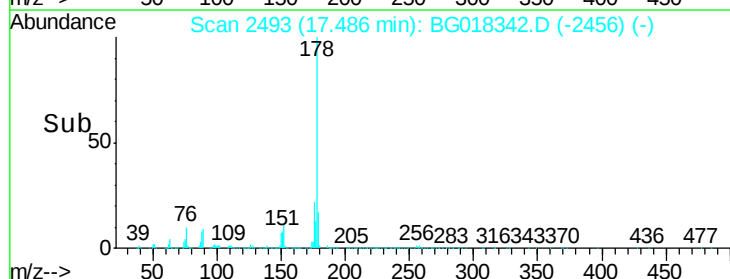
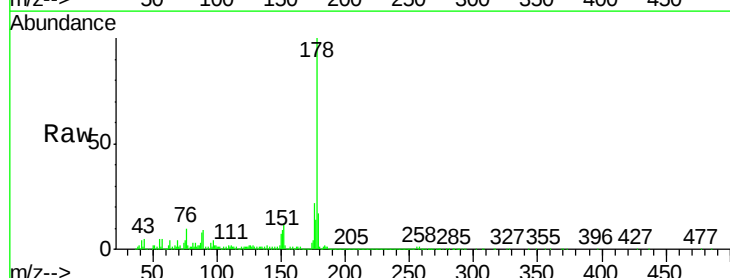
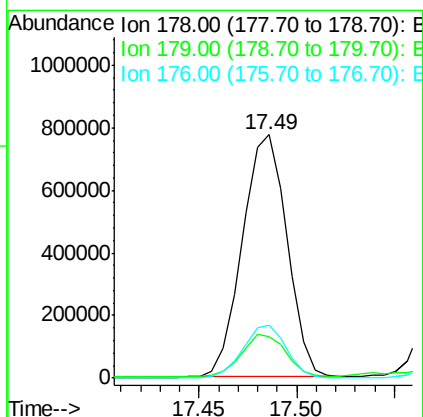
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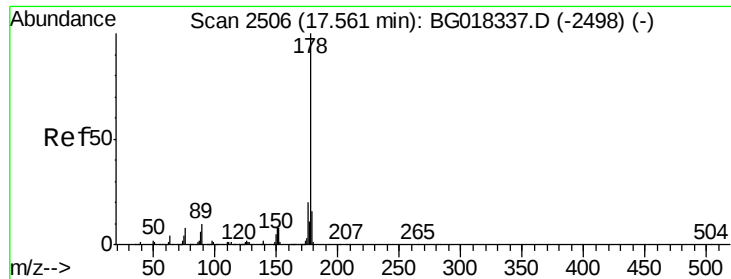
Delta R.T. 0.02 min

Lab File: BG018342.D

Acq: 9 Aug 2015 23:34

Tgt Ion:	178	Resp:	1223852
Ion Ratio	Lower	Upper	
178	100		
179	17.2	13.7	20.5
176	21.7	16.6	24.8





#72

Anthracene

Concen: 8.27 ng/ul

RT: 17.57 min Scan# 2508

Delta R.T. 0.01 min

Lab File: BG018342.D

Acq: 9 Aug 2015 23:34

Instrument :

BNA_G

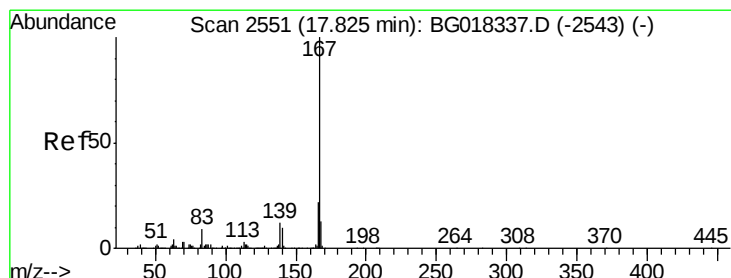
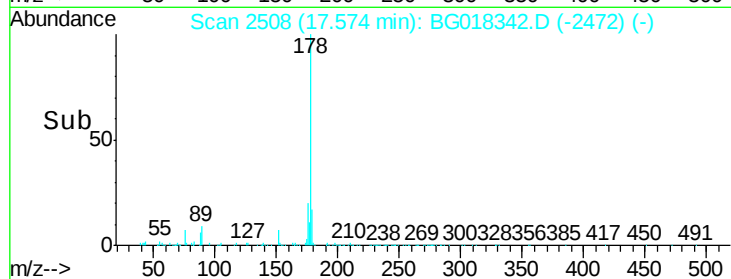
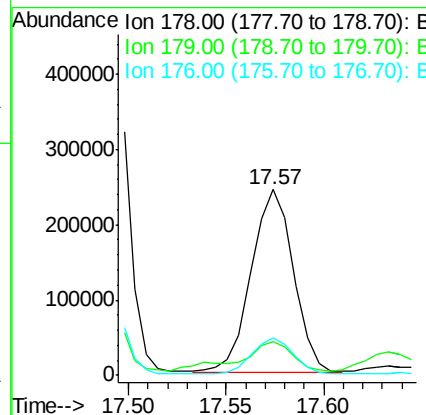
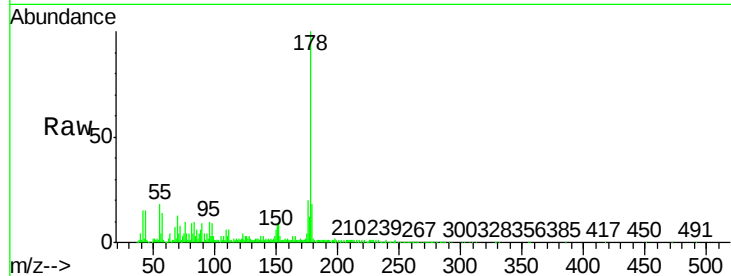
ClientSampleId :

C02F6

Tot Ion:	178	Resp:	363961
Ion Ratio	Lower	Upper	
178	100		
179	18.4	13.0	19.4
176	20.0	16.0	24.0

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#75

Carbazole

Concen: 3.48 ng/ul

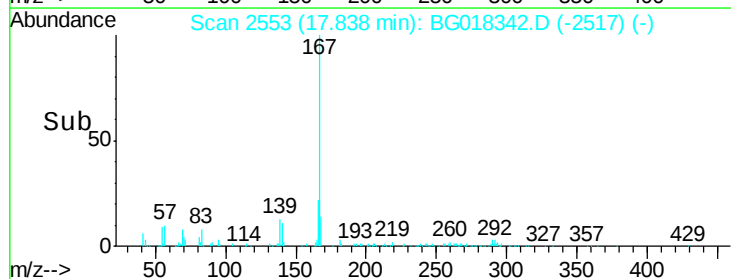
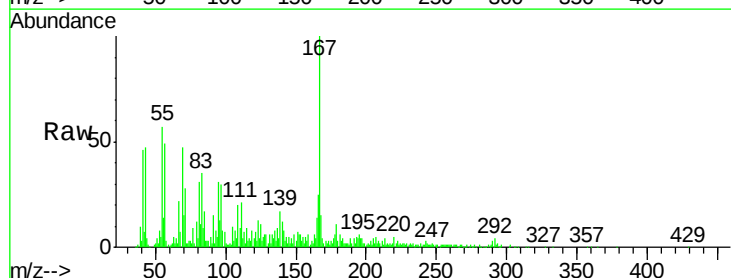
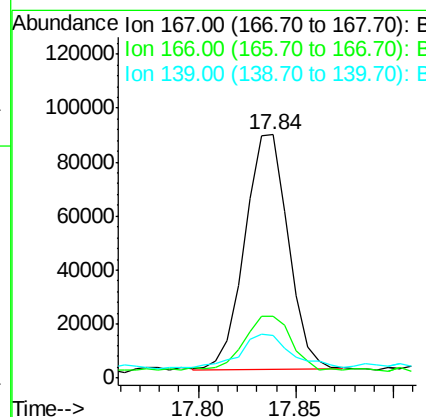
RT: 17.84 min Scan# 2553

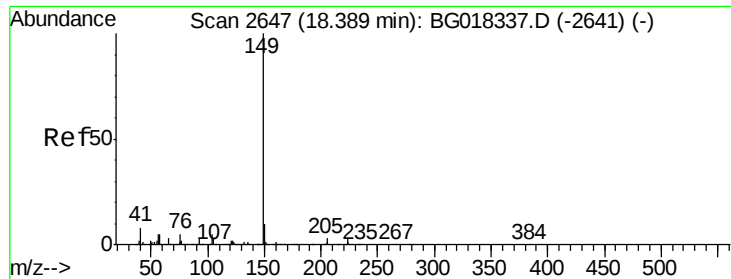
Delta R.T. 0.01 min

Lab File: BG018342.D

Acq: 9 Aug 2015 23:34

Tgt Ion:	167	Resp:	134364
Ion Ratio	Lower	Upper	
167	100		
166	25.3	18.9	28.3
139	17.4	10.1	15.1#





#76

Di-n-butylphthalate

Concen: 2.15 ng/ul

RT: 18.41 min Scan# 2650

Delta R.T. 0.02 min

Lab File: BG018342.D

Acq: 9 Aug 2015 23:34

Instrument :

BNA_G

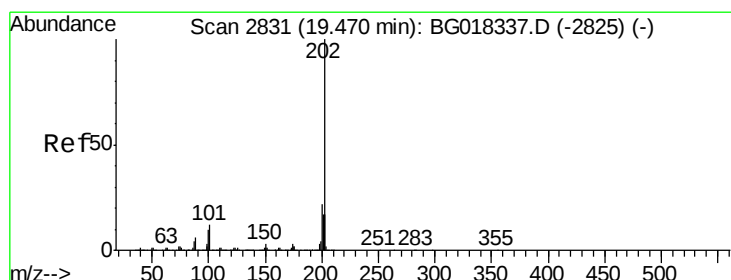
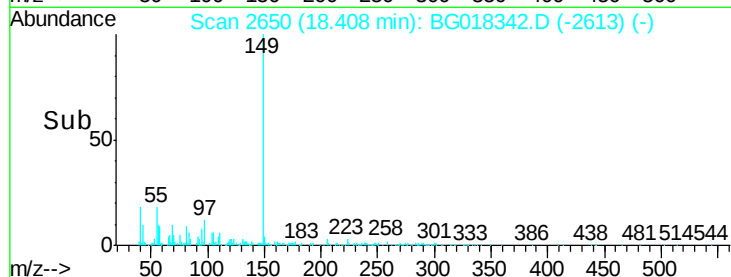
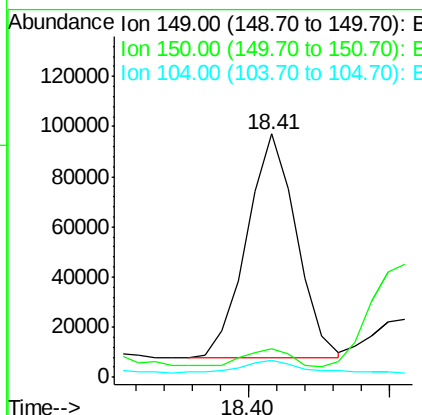
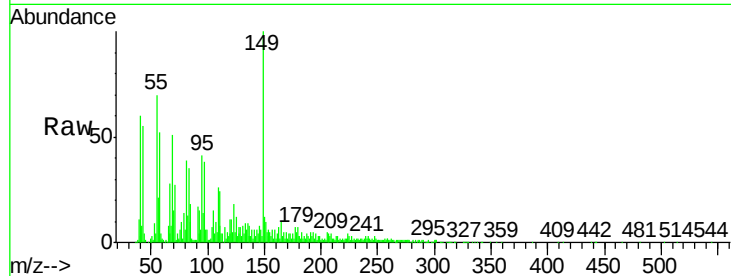
ClientSampleId :

C02F6

Tot Ion:	149	Resp:	108469
Ion Ratio	Lower	Upper	
149	100		
150	11.7	7.5	11.3#
104	7.2	4.3	6.5#

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#77

Fluoranthene

Concen: 24.69 ng/ul

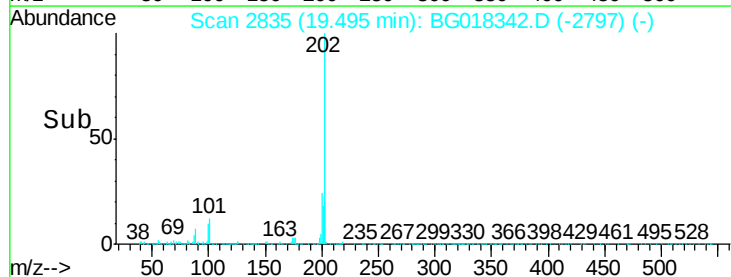
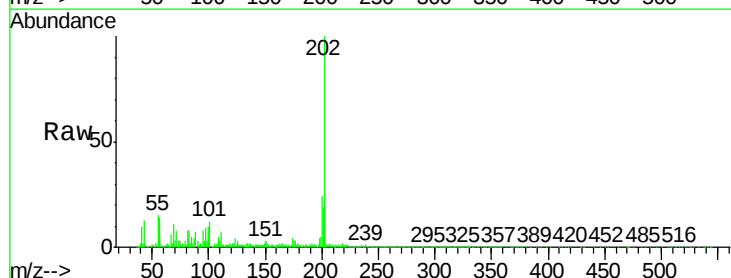
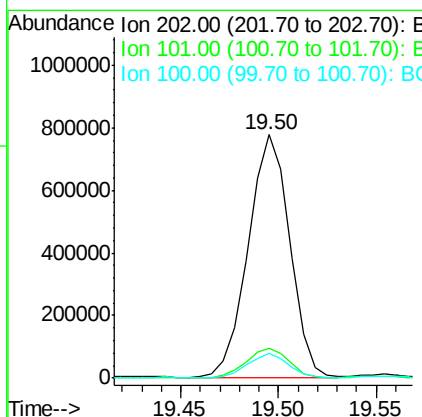
RT: 19.50 min Scan# 2835

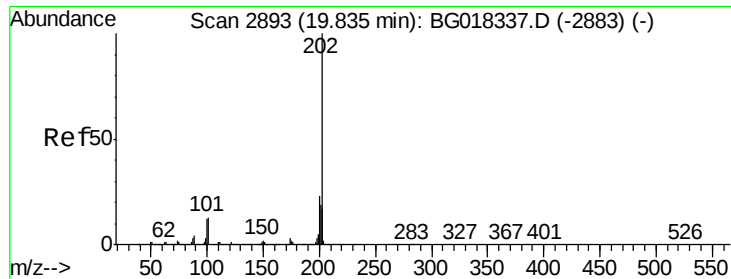
Delta R.T. 0.02 min

Lab File: BG018342.D

Acq: 9 Aug 2015 23:34

Tgt Ion:	202	Resp:	1139440
Ion Ratio	Lower	Upper	
202	100		
101	12.4	9.7	14.5
100	10.3	7.8	11.8





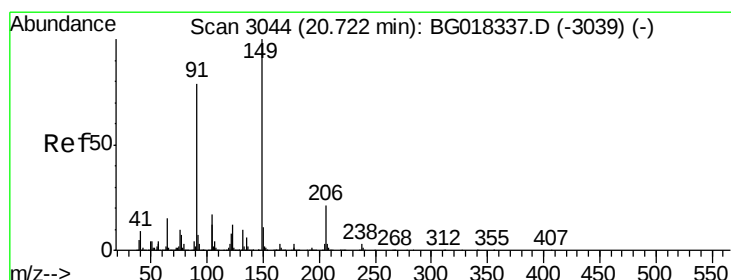
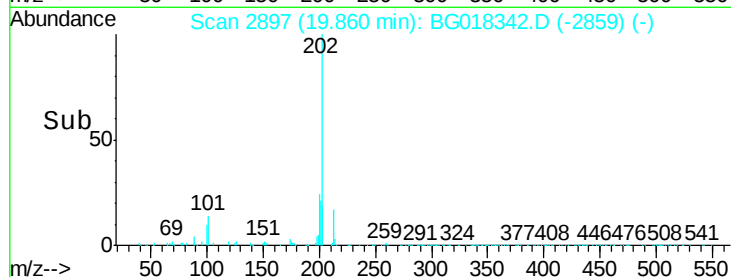
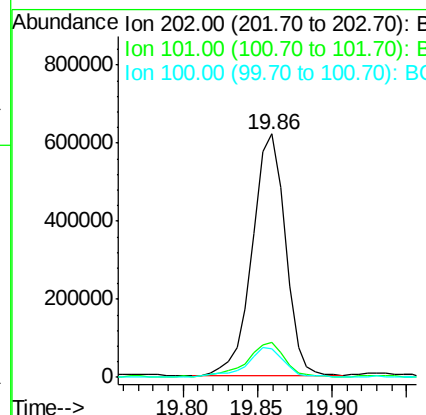
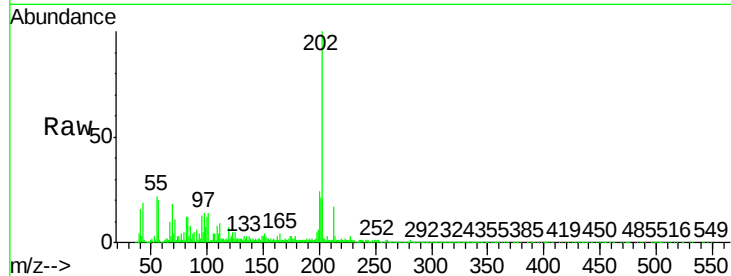
#80
Pvrene
Concen: 22.99 ng/ul
RT: 19.86 min Scan# 2897
Delta R.T. 0.02 min
Lab File: BG018342.D
Acq: 9 Aug 2015 23:34

Instrument :
BNA_G
ClientSampleId :
C02F6

Tot Ion	Ratio	Resp Lower	Upper
202	100		
101	14.2	11.0	16.4
100	11.8	9.8	14.6

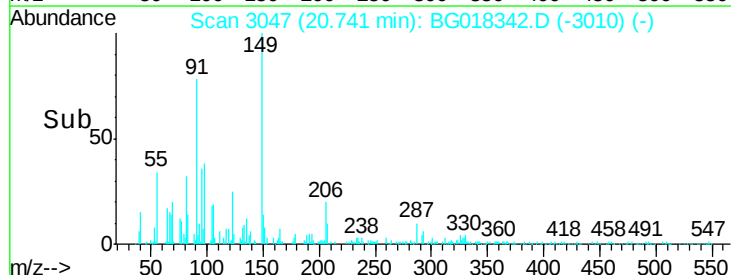
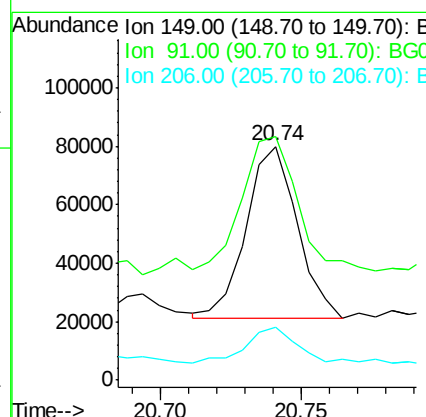
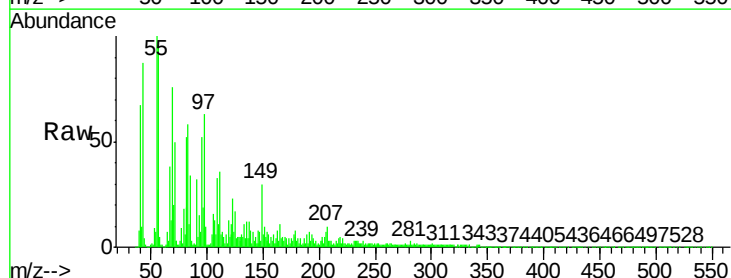
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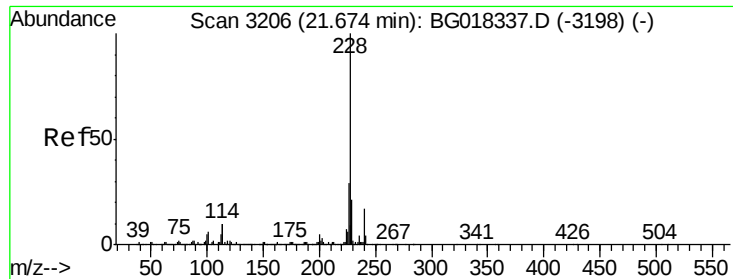
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#81
Butylbenzylphthalate
Concen: 4.23 ng/ul
RT: 20.74 min Scan# 3047
Delta R.T. 0.02 min
Lab File: BG018342.D
Acq: 9 Aug 2015 23:34

Tgt Ion	Ratio	Resp Lower	Upper
149	100		
91	104.2	57.9	86.9#
206	22.6	17.9	26.9





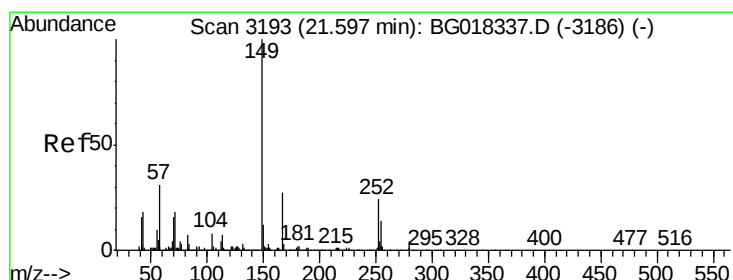
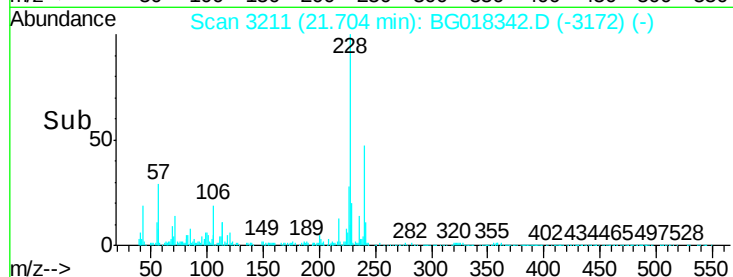
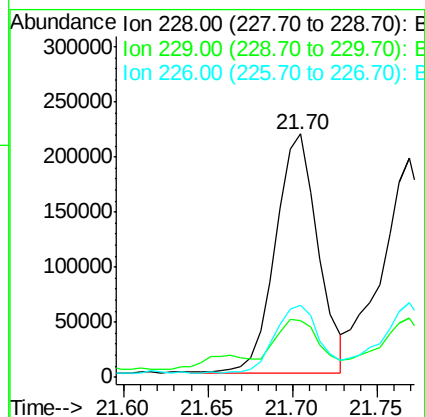
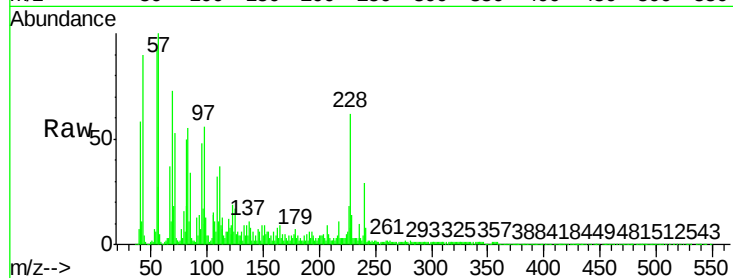
#83
Benzo(a)anthracene
Concen: 10.04 ng/ul
RT: 21.70 min Scan# 3211
Delta R.T. 0.03 min
Lab File: BG018342.D
Acq: 9 Aug 2015 23:34

Instrument :
BNA_G
ClientSampleId :
C02F6

Tot Ion	Ratio	Resp	Lower	Upper
228	100			
229	23.4	15.5	23.3	
226	29.5	22.1	33.1	

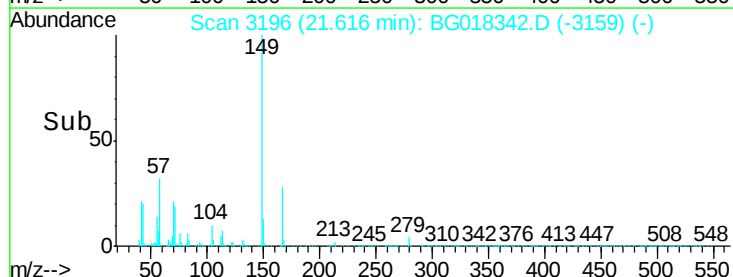
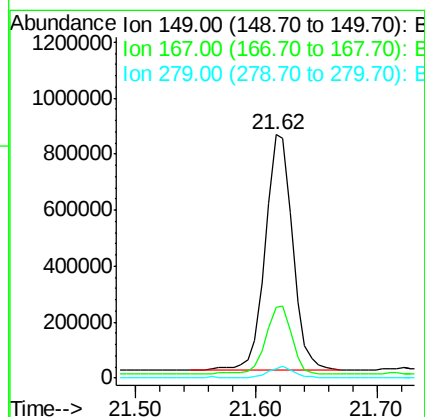
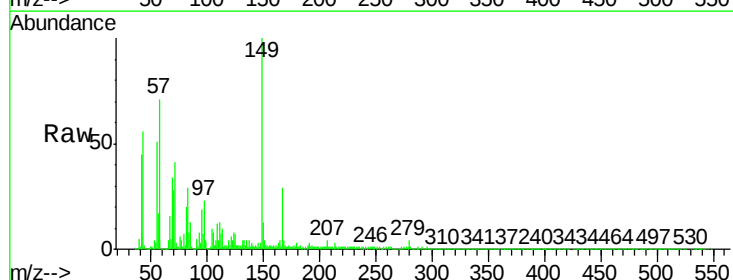
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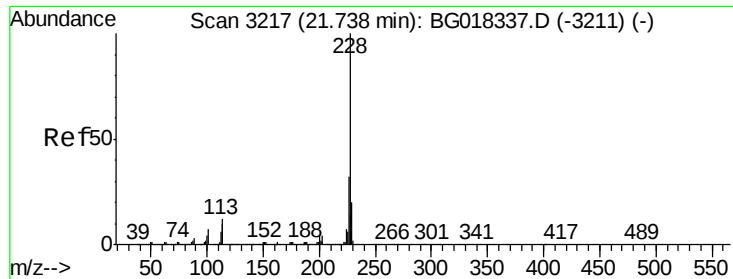
MMDadoda
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#84
Bis(2-ethylhexyl)phthalate
Concen: 53.82 ng/ul
RT: 21.62 min Scan# 3196
Delta R.T. 0.02 min
Lab File: BG018342.D
Acq: 9 Aug 2015 23:34

Tgt Ion	Ratio	Resp	Lower	Upper
149	100			
167	29.2	22.2	33.2	
279	4.0	2.8	4.2	





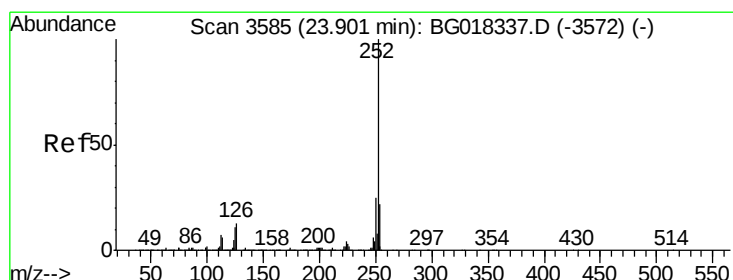
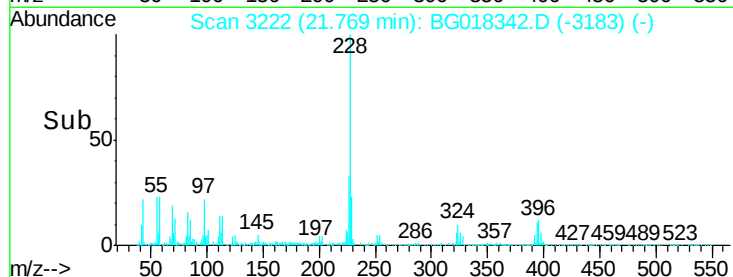
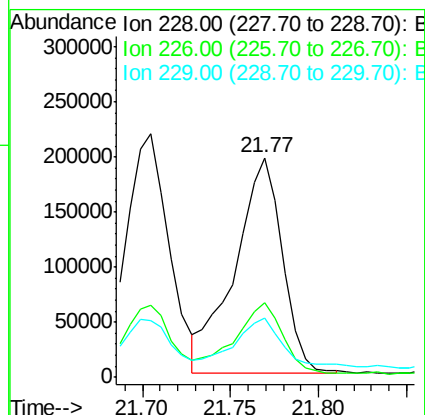
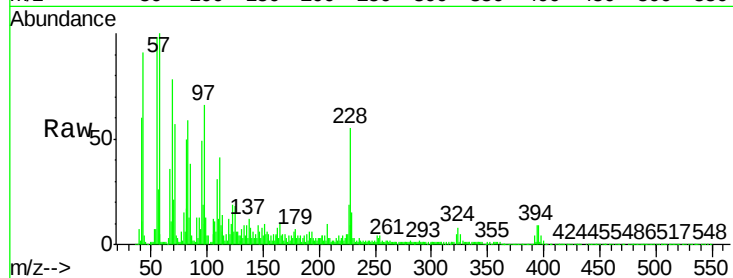
#85
 Chrysene
 Concen: 10.32 ng/ul m
 RT: 21.77 min Scan# 3222
 Delta R.T. 0.03 min
 Lab File: BG018342.D
 Acq: 9 Aug 2015 23:34

Instrument :
 BNA_G
 ClientSampled :
 C02F6

Tot Ion:	228	Resp:	363807
Ion Ratio	Lower	Upper	
228	100		
226	34.0	26.5	39.7
229	27.2	16.9	25.3#

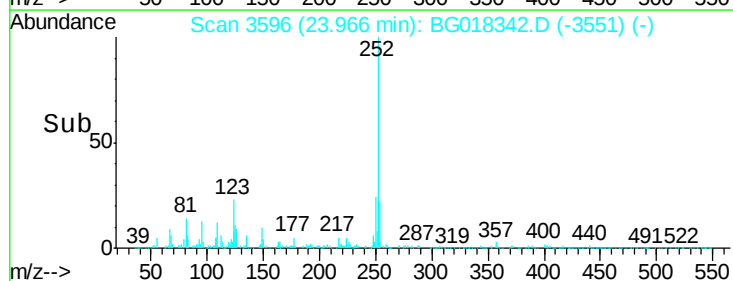
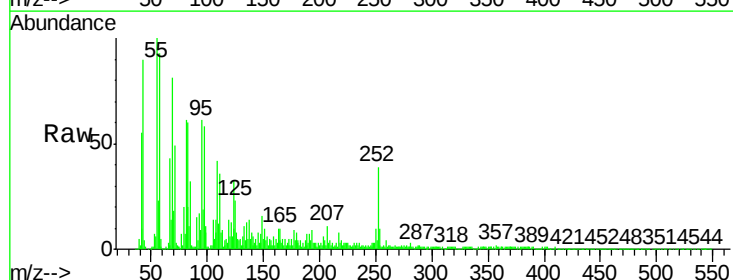
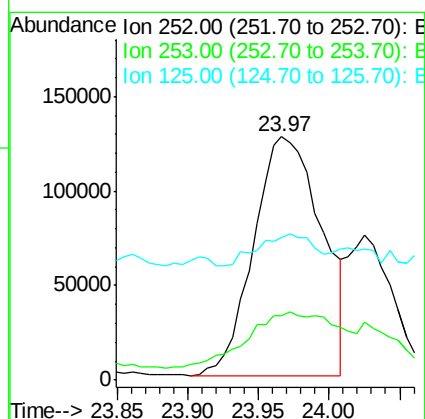
Manual Integrations
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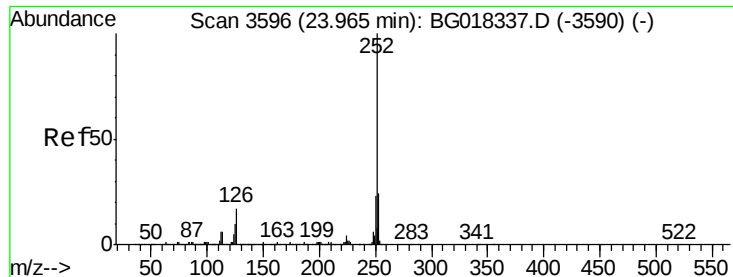
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#88
 Benzo(b)fluoranthene
 Concen: 11.25 ng/ul
 RT: 23.97 min Scan# 3596
 Delta R.T. 0.07 min
 Lab File: BG018342.D
 Acq: 9 Aug 2015 23:34

Tgt Ion:	252	Resp:	425333
Ion Ratio	Lower	Upper	
252	100		
253	26.3	18.1	27.1
125	58.7	8.3	12.5#





#89

Benzo(k)fluoranthene

Concen: 3.77 ng/ul

RT: 24.03 min Scan# 3606

Delta R.T. 0.06 min

Lab File: BG018342.D

Acq: 9 Aug 2015 23:34

Instrument :

BNA_G

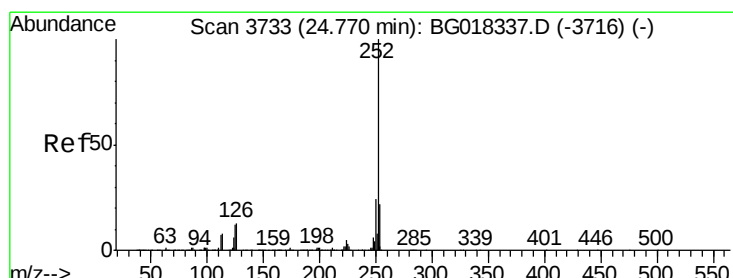
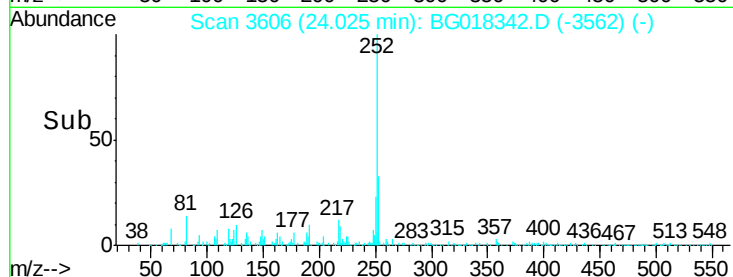
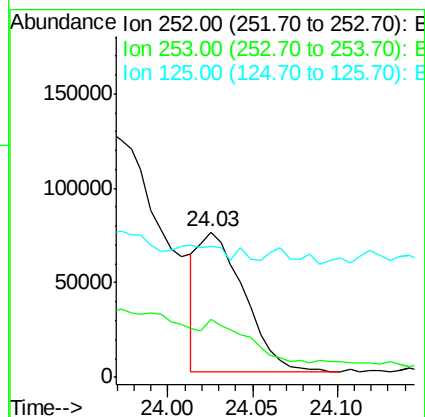
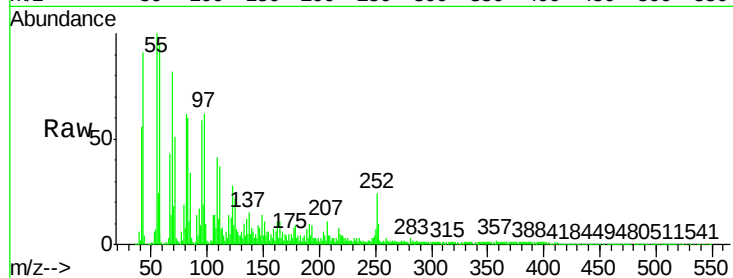
ClientSampleId :

C02F6

Tot Ion:	252	Resp:	137225
Ion Ratio	Lower	Upper	
252	100		
253	40.0	17.8	26.6#
125	90.0	9.0	13.4#

Manual Integrations
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#91

Benzo(a)pyrene

Concen: 8.08 ng/ul

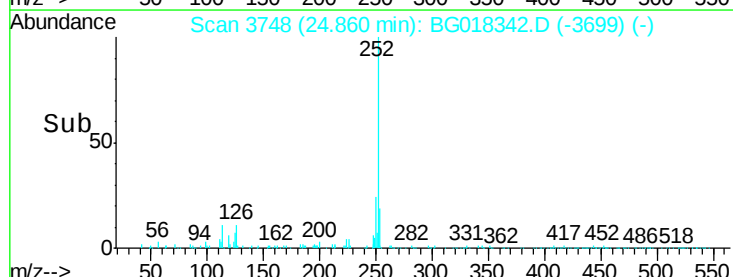
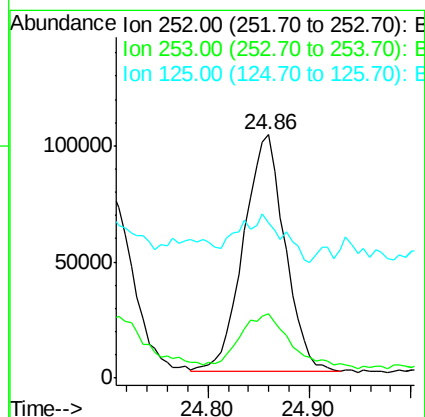
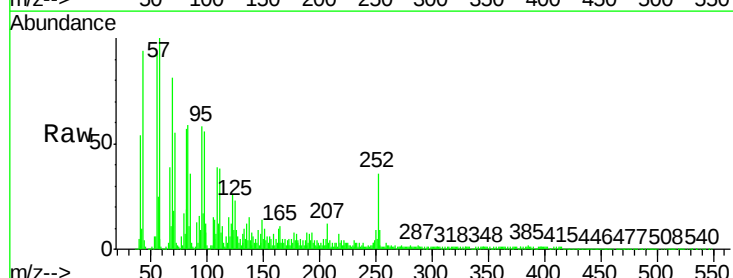
RT: 24.86 min Scan# 3748

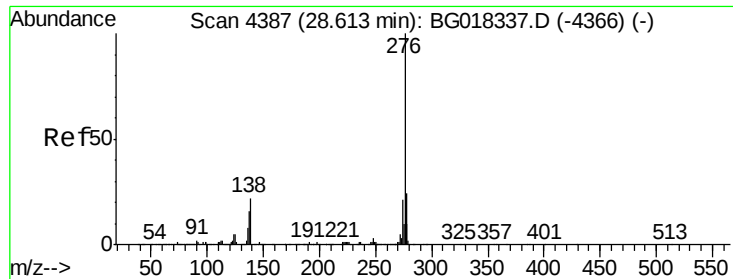
Delta R.T. 0.09 min

Lab File: BG018342.D

Acq: 9 Aug 2015 23:34

Tgt Ion:	252	Resp:	290254
Ion Ratio	Lower	Upper	
252	100		
253	26.3	17.7	26.5
125	63.6	10.2	15.2#





#92

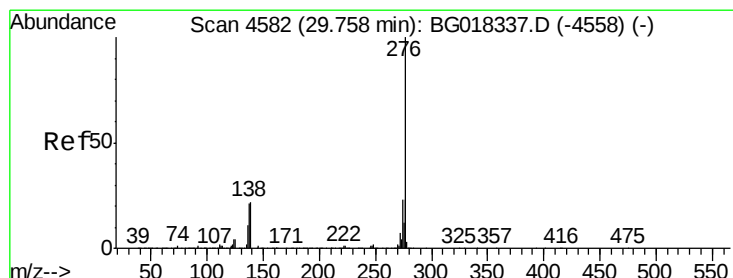
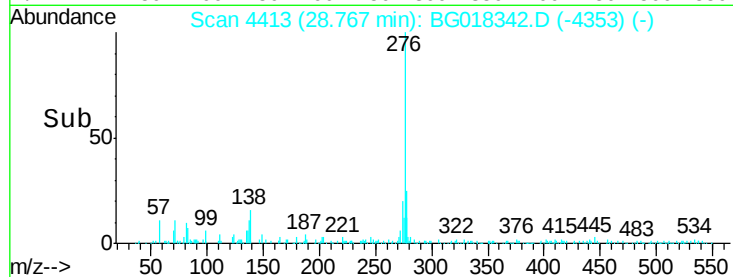
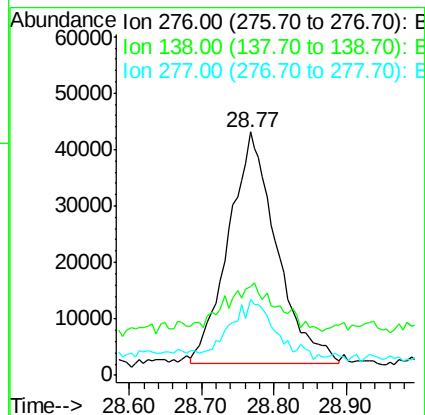
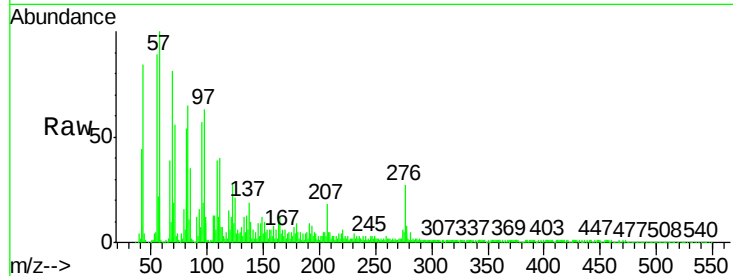
Indeno(1,2,3-cd)pyrene
Concen: 4.60 ng/ul m
RT: 28.77 min Scan# 4413
Delta R.T. 0.15 min
Lab File: BG018342.D
Acq: 9 Aug 2015 23:34

Instrument :
BNA_G
ClientSampled :
C02F6

Tot Ion	Ratio	Lower	Upper
276	100		
138	36.5	15.8	23.6#
277	31.1	18.9	28.3#

Manual Integrations
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#94

Benzo(g,h,i)perylene
Concen: 4.79 ng/ul m
RT: 29.92 min Scan# 4610
Delta R.T. 0.17 min
Lab File: BG018342.D
Acq: 9 Aug 2015 23:34

Tgt Ion	Ratio	Lower	Upper
276	100		
138	39.0	16.5	24.7#
277	27.9	19.0	28.6

