

Data Path : Z:\HPCHEM1\BNA G\DATA\BG080915\
 Data File : BG018341.D
 Acq On : 9 Aug 2015 22:56
 Operator : UM/TP
 Sample : G3136-08
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 C01T9

Manual Integrations
 APPROVED

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 8/10/2015 7:26:12 PM

Quant Time: Aug 10 08:12:17 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	163667	20.00	ng/ul	0.00
18) Naphthalene-d8	10.88	136	734714	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.69	164	421766	20.00	ng/ul	0.00
62) Phenanthrene-d10	17.44	188	832177	20.00	ng/ul	0.00
78) Chrysene-d12	21.72	240	677491	20.00	ng/ul	0.03
86) Perylene-d12	25.01	264	665267	20.00	ng/ul	0.09

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.53	96	4637	1.25	ng/uL	0.00
5) Phenol-d5	7.22	99	73576	4.95	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.39	67	92087	10.00	ng/ul	0.00
9) 2-Chlorophenol-d4	7.61	132	47037	4.13	ng/ul	0.00
13) 4-Methylphenol-d8	8.77	113	17371	1.39	ng/ul	0.00
19) Nitrobenzene-d5	9.23	128	56004	9.78	ng/ul	0.00
22) 2-Nitrophenol-d4	9.95	143	58218	9.98	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.50	165	35343	2.85	ng/ul	0.02
29) 4-Chloroaniline-d4	11.00	131	33784	2.41	ng/ul	0.00
44) Dimethylphthalate-d6	14.10	166	327093	9.22	ng/ul	0.00
47) Acenaphthylene-d8	14.39	160	373272	8.35	ng/ul	0.00
52) 4-Nitrophenol-d4	14.87	143	32262	5.05	ng/ul	0.00
58) Fluorene-d10	15.68	176	248206	8.03	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.79	200	31049	7.59	ng/ul	0.00
71) Anthracene-d10	17.54	188	329309	8.27	ng/ul	0.00
79) Pyrene-d10	19.82	212	315273	8.97	ng/ul	0.02
90) Benzo(a)pyrene-d12	24.79	264	306336	8.67	ng/ul	0.09

Target Compounds

					Ovalue
14) Acetophenone	8.89	105	44640	2.48	ng/ul# 59
28) Naphthalene	10.93	128	81299	2.09	ng/ul 97
34) 2-Methylnaphthalene	12.53	142	243522	8.66	ng/ul 97
35) 1-Methylnaphthalene	12.75	142	190013	6.92	ng/ul 96
41) 1,1'-Biphenyl	13.53	154	48175	1.37	ng/ul 98
45) Dimethylphthalate	14.14	163	160725	4.59	ng/ul# 96
50) Acenaphthene	14.76	153	37518	1.19	ng/ul# 87
54) Dibenzofuran	15.09	168	44004	1.07	ng/ul# 64
57) Diethylphthalate	15.50	149	105900	2.85	ng/ul 98
59) Fluorene	15.74	166	58109	1.64	ng/ul# 98
70) Phenanthrene	17.48	178	279858	6.20	ng/ul 99
72) Anthracene	17.48	178	280122	6.09	ng/ul 97
76) Di-n-butylphthalate	18.40	149	134796	2.56	ng/ul# 95
77) Fluoranthene	19.49	202	242833	5.04	ng/ul# 93
80) Pyrene	19.85	202	293937	6.42	ng/ul 99
83) Benzo(a)anthracene	21.70	228	102690	2.44	ng/ul# 77
84) Bis(2-ethylhexyl)phthalate	21.64	149	1586009	57.93	ng/ul 95
85) Chrysene	21.77	228	115608	2.94	ng/ul# 90
88) Benzo(b)fluoranthene	23.97	252	132813	3.18	ng/ul# 57
91) Benzo(a)pyrene	24.86	252	78688	1.98	ng/ul# 50
92) Indeno(1,2,3-cd)pyrene	28.72	276	60764m	1.32	ng/ul
94) Benzo(a,h,i)perylene	29.89	276	58619m	1.52	ng/ul

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

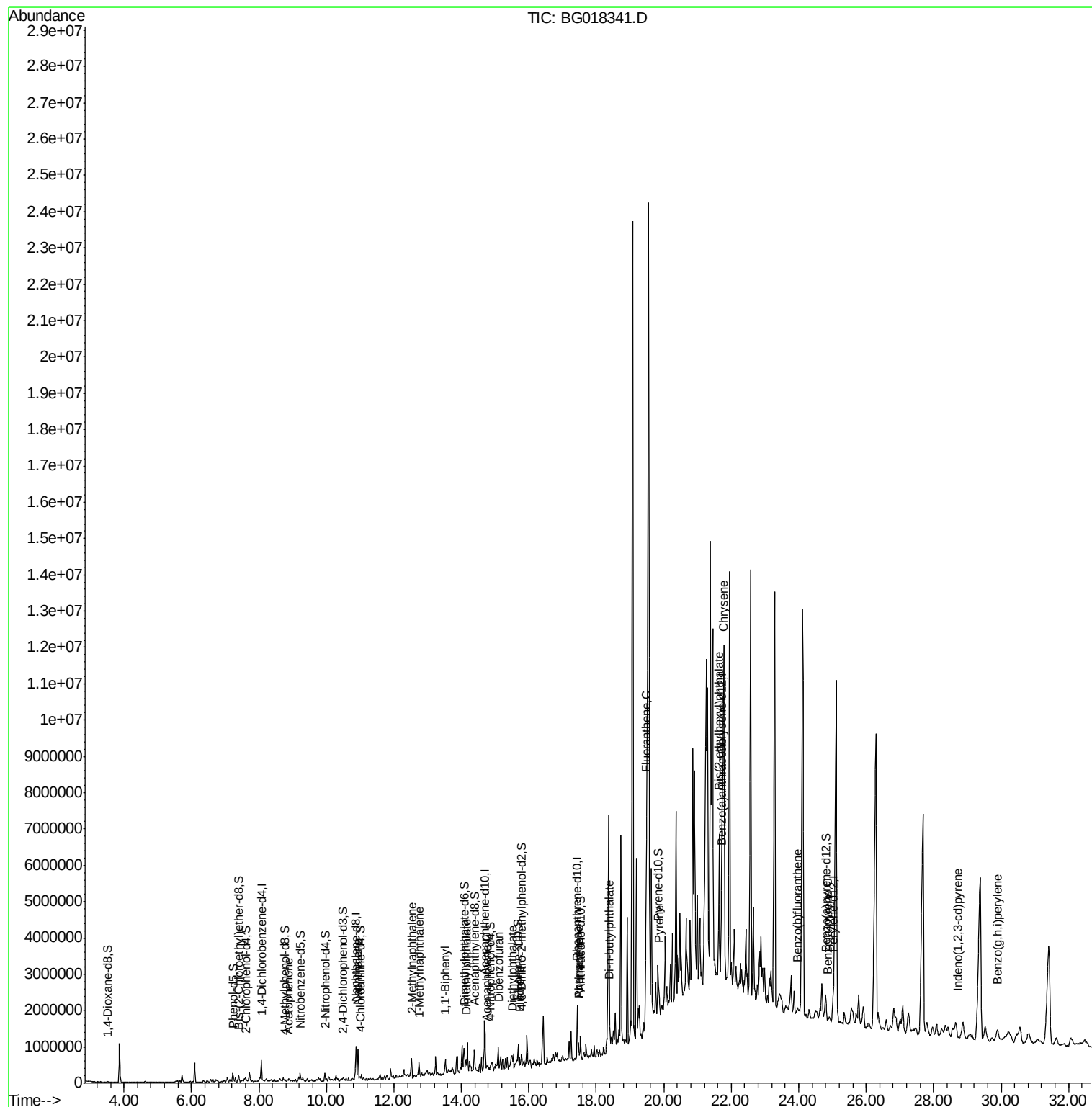
Data Path : Z:\HPCHEM1\BNA G\DATA\BG080915\
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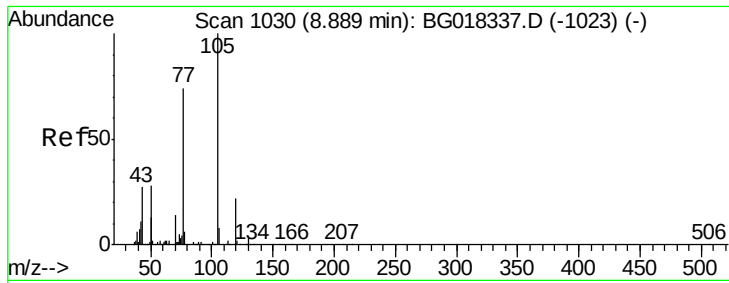
Instrument :
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#14

Acetophenone

Concen: 2.48 ng/ul

RT: 8.89 min Scan# 1029

Delta R.T. -0.00 min

Lab File: BG018341.D

Acq: 9 Aug 2015 22:56

Instrument :

BNA_G

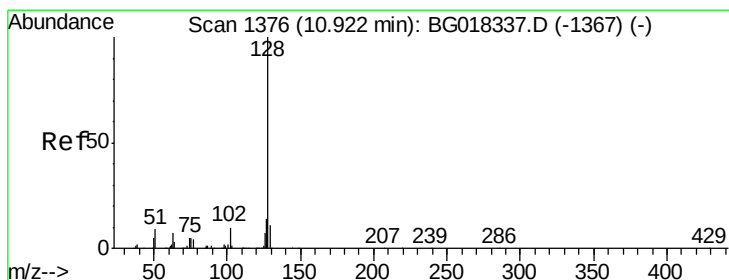
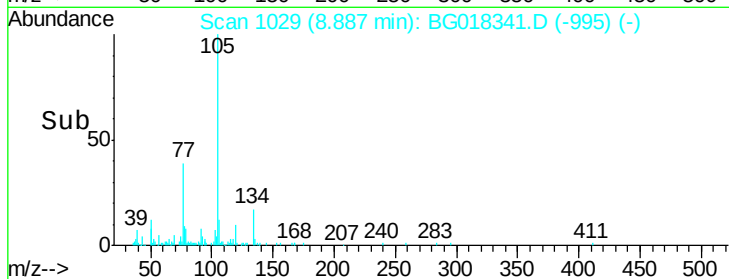
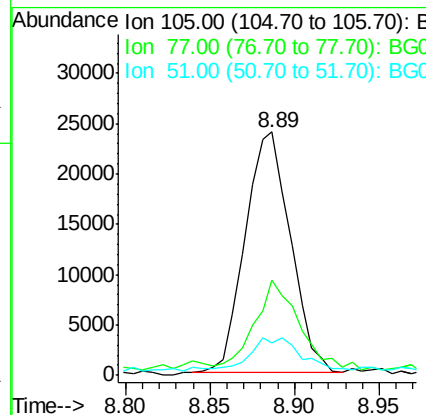
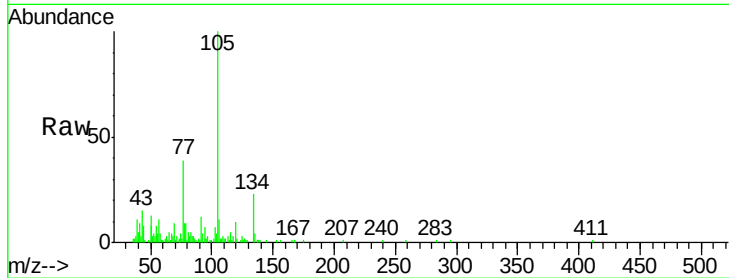
ClientSampleId :

C01T9

Tot Ion:	105	Resp:	44640
Ion Ratio	Lower	Upper	
105	100		
77	39.3	61.9	92.9#
51	13.4	25.5	38.3#

Manual Integrations
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#28

Naphthalene

Concen: 2.09 ng/ul

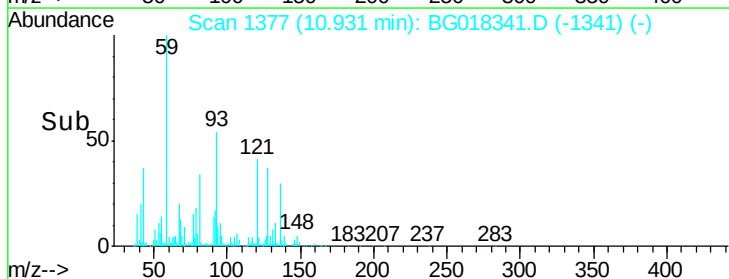
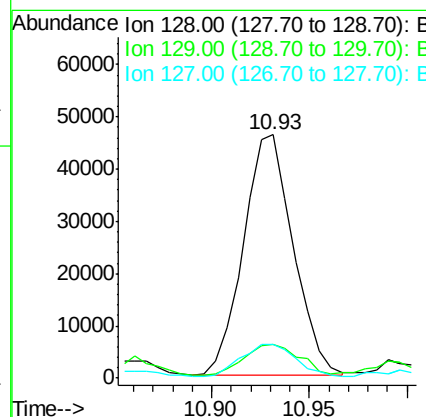
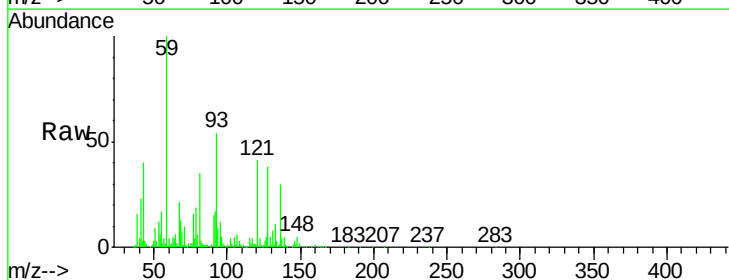
RT: 10.93 min Scan# 1377

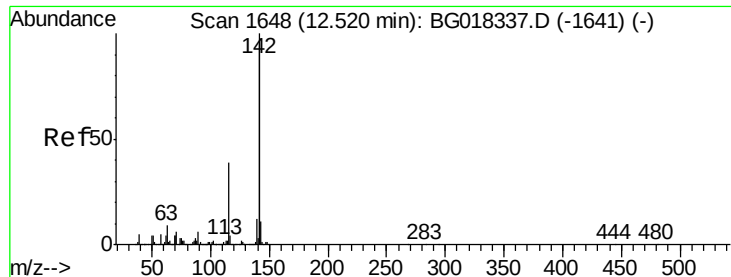
Delta R.T. 0.01 min

Lab File: BG018341.D

Acq: 9 Aug 2015 22:56

Tgt Ion:	128	Resp:	81299
Ion Ratio	Lower	Upper	
128	100		
129	13.6	9.6	14.4
127	14.0	10.5	15.7





#34

2-Methylnaphthalene

Concen: 8.66 ng/ul

RT: 12.53 min Scan# 1649

Delta R.T. 0.01 min

Lab File: BG018341.D

Acq: 9 Aug 2015 22:56

Instrument :

BNA_G

ClientSampleId :

C01T9

Tot Ion:142 Resp: 243522

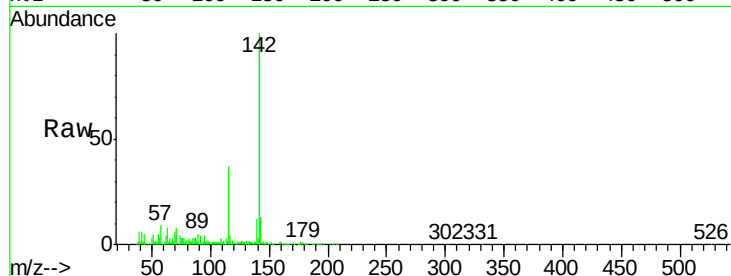
Ion Ratio Lower Upper

142 100

141 94.1 78.0 117.0

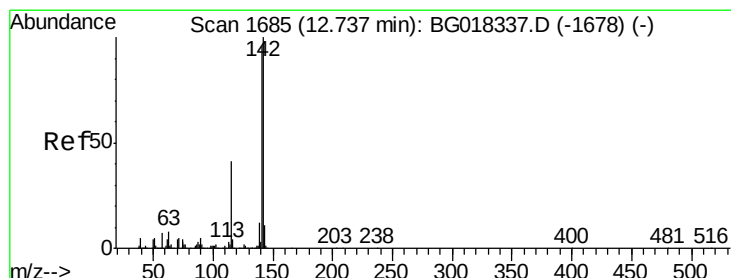
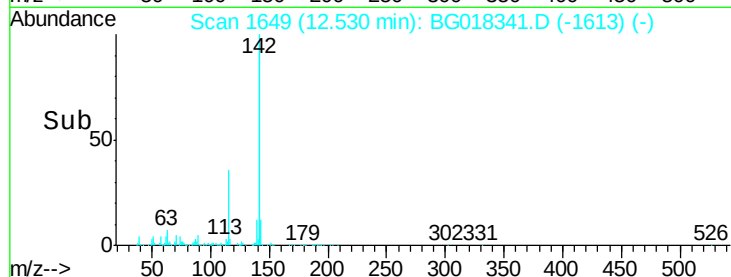
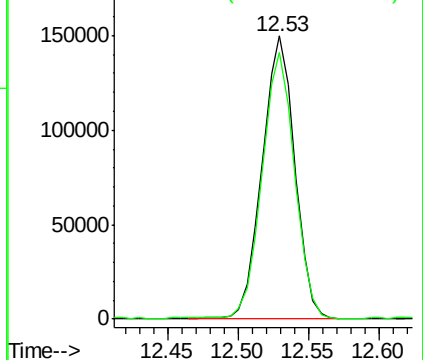
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Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E



#35

1-Methylnaphthalene

Concen: 6.92 ng/ul

RT: 12.75 min Scan# 1686

Delta R.T. 0.01 min

Lab File: BG018341.D

Acq: 9 Aug 2015 22:56

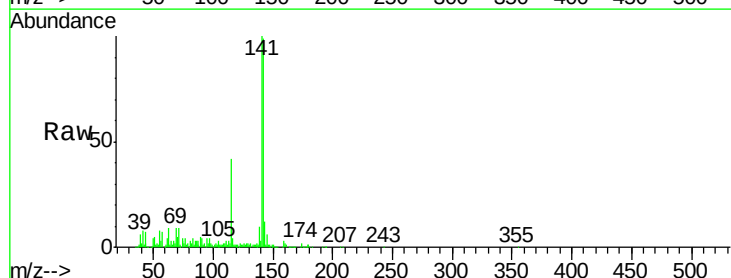
Tgt Ion:142 Resp: 190013

Ion Ratio Lower Upper

142 100

141 100.6 77.1 115.7

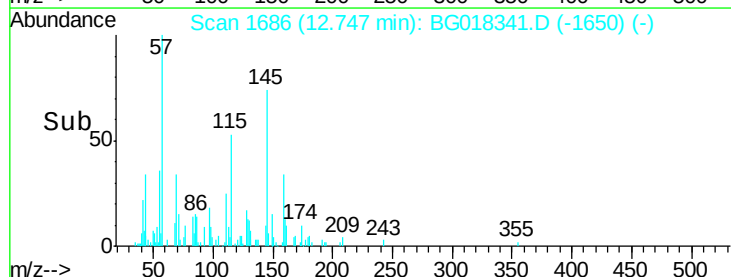
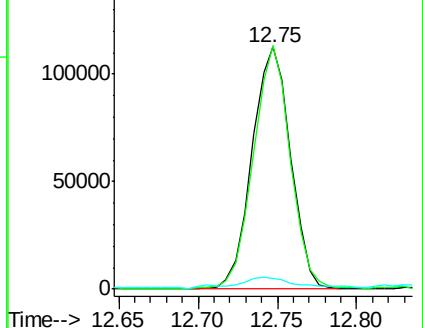
116 4.5 3.5 5.3

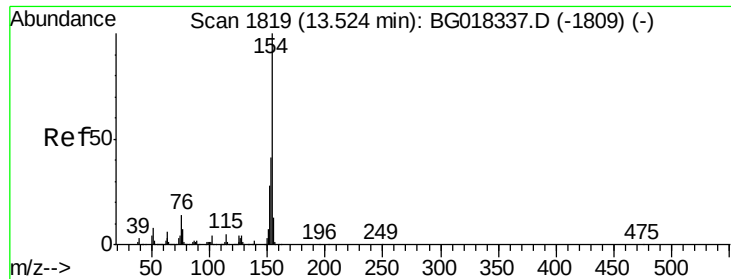


Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 116.00 (115.70 to 116.70): E





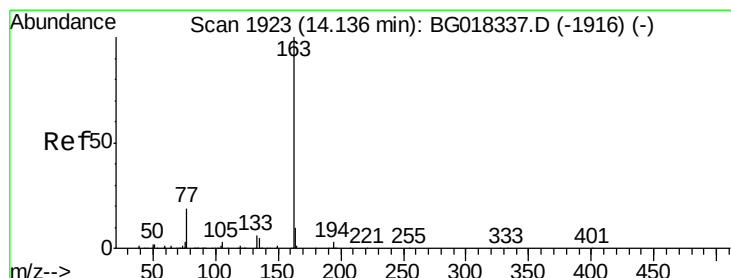
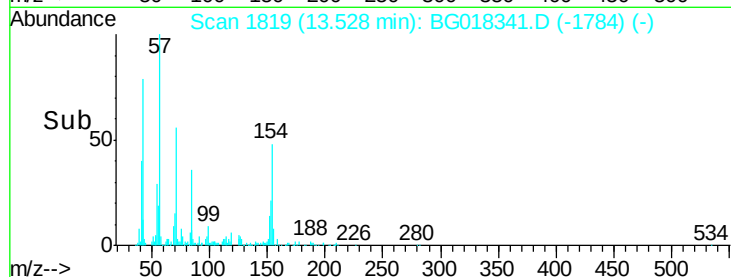
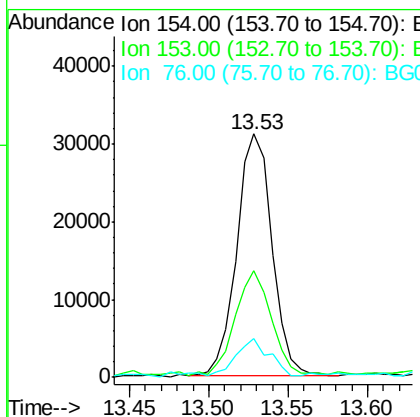
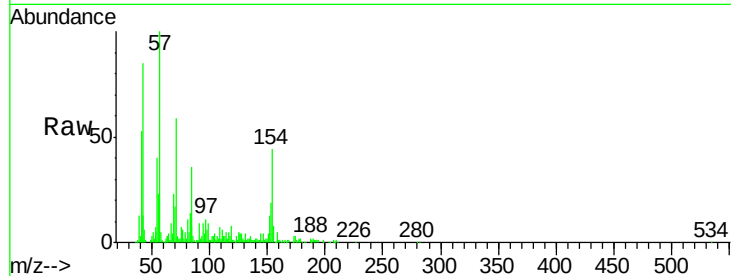
#41
1,1'-Biphenyl
Concen: 1.37 ng/ul
RT: 13.53 min Scan# 1819
Delta R.T. 0.00 min
Lab File: BG018341.D
Acq: 9 Aug 2015 22:56

Instrument :
BNA_G
ClientSampleId :
C01T9

Tot Ion	Ratio	Lower	Upper
154	100		
153	43.8	35.2	52.8
76	16.0	10.6	16.0

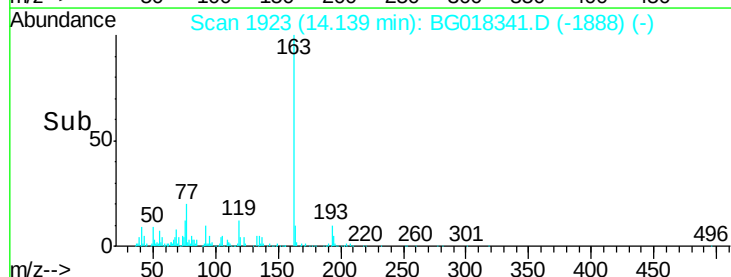
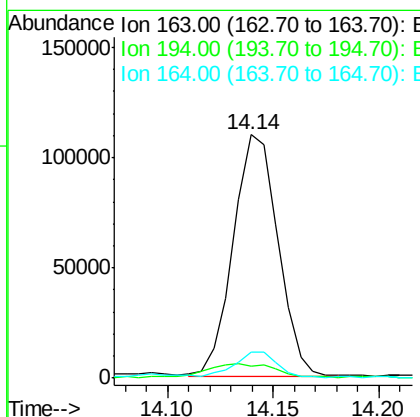
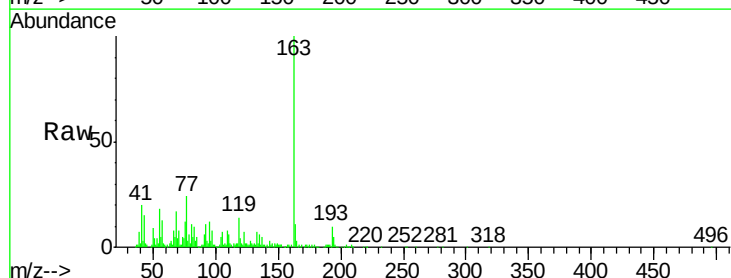
Manual Integrations
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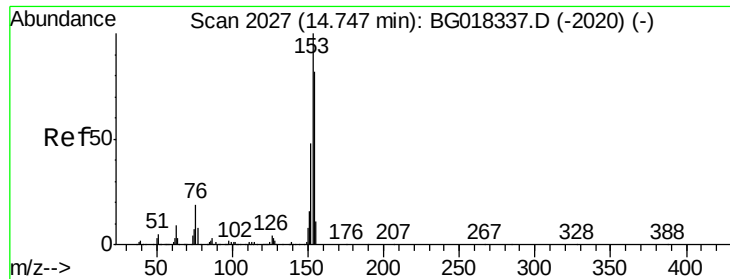
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#45
Dimethylphthalate
Concen: 4.59 ng/ul
RT: 14.14 min Scan# 1923
Delta R.T. 0.00 min
Lab File: BG018341.D
Acq: 9 Aug 2015 22:56

Tgt Ion	Ratio	Lower	Upper
163	100		
194	5.0	2.9	4.3#
164	10.9	7.7	11.5





#50

Acenaphthene

Concen: 1.19 ng/ul

RT: 14.76 min Scan# 2029

Delta R.T. 0.02 min

Lab File: BG018341.D

Acq: 9 Aug 2015 22:56

Instrument :

BNA_G

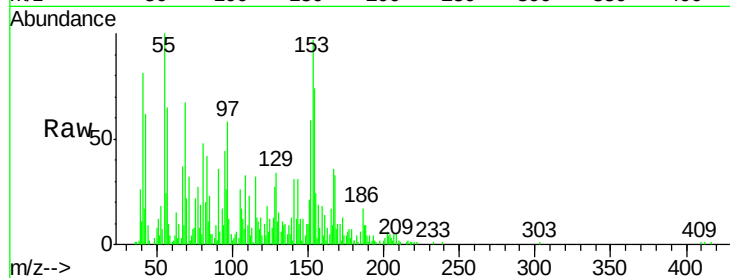
ClientSampled :

C01T9

Tot Ion	Ion	Ratio	Resp	Lower	Upper
153	100		37518		
152	60.3	38.2	57.4#		
154	76.0	68.6	103.0		

Manual Integrations
APPROVED

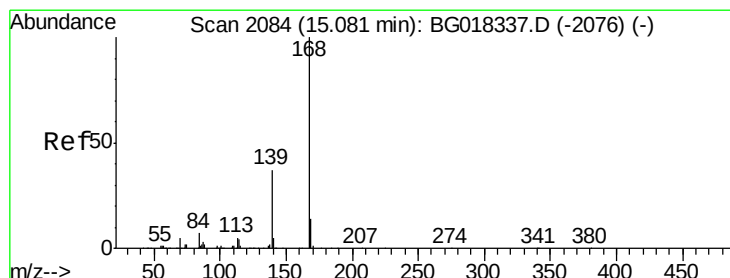
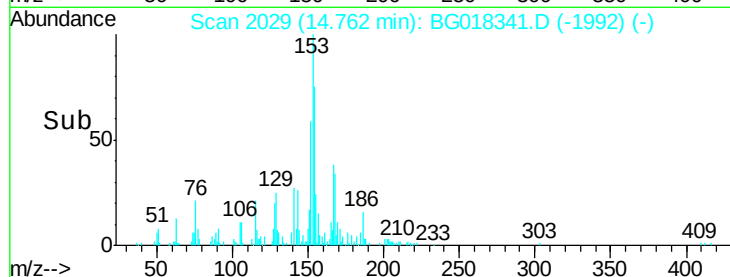
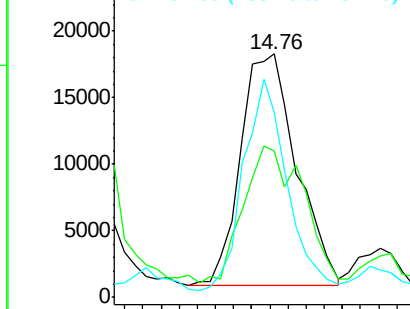
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Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E



#54

Dibenzofuran

Concen: 1.07 ng/ul

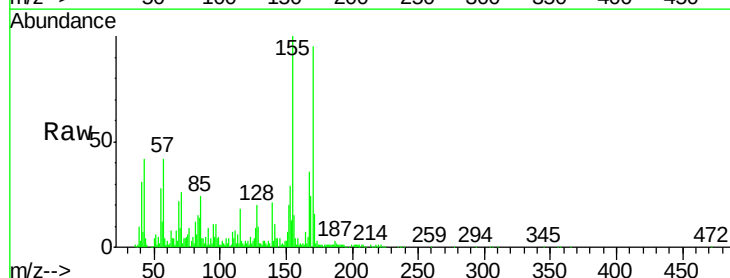
RT: 15.09 min Scan# 2084

Delta R.T. 0.00 min

Lab File: BG018341.D

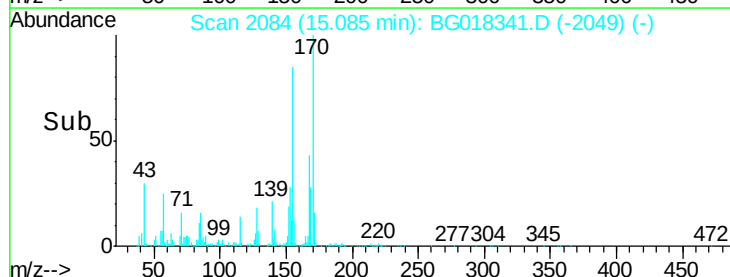
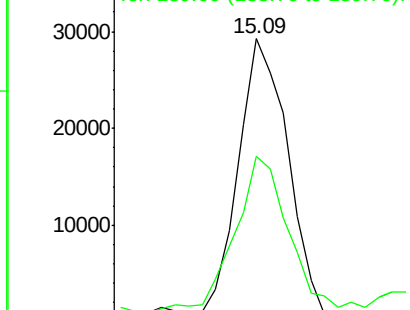
Acq: 9 Aug 2015 22:56

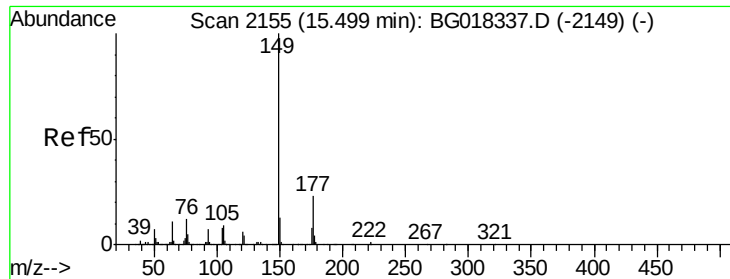
Tgt Ion	Ion	Ratio	Resp	Lower	Upper
168	100		44004		
139	58.7	29.7	44.5#		



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E





#57

Diethylphthalate

Concen: 2.85 ng/ul

RT: 15.50 min Scan# 2155

Delta R.T. 0.00 min

Lab File: BG018341.D

Acq: 9 Aug 2015 22:56

Instrument :

BNA_G

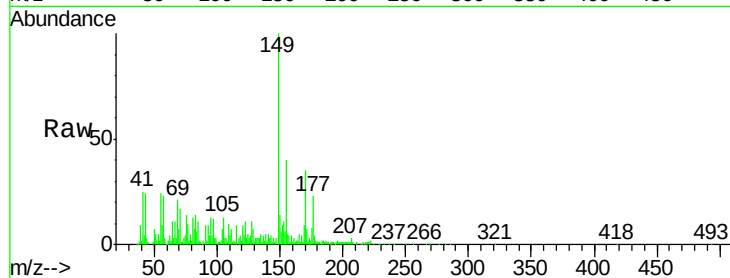
ClientSampleId :

C01T9

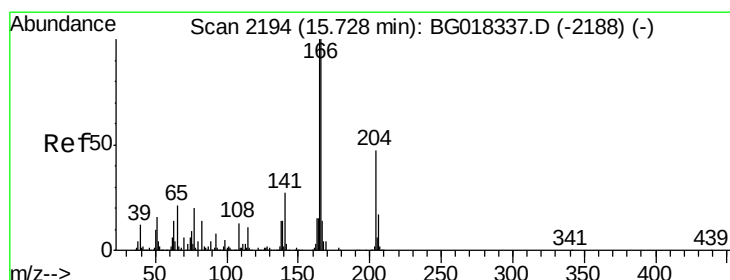
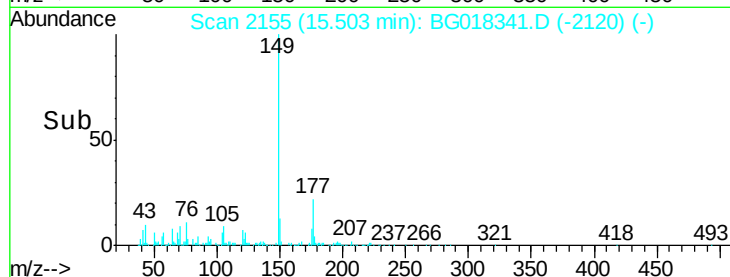
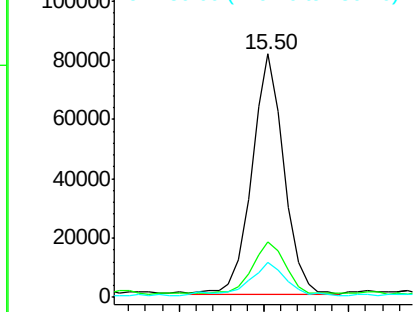
Tot Ion	Ratio	Lower	Upper
149	100		
177	23.0	18.2	27.4
150	14.2	9.7	14.5

Manual Integrations
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Abundance Ion 149.00 (148.70 to 149.70): E
Ion 177.00 (176.70 to 177.70): E
Ion 150.00 (149.70 to 150.70): E



#59

Fluorene

Concen: 1.64 ng/ul

RT: 15.74 min Scan# 2195

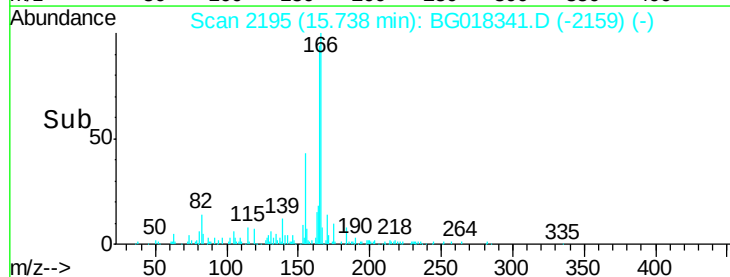
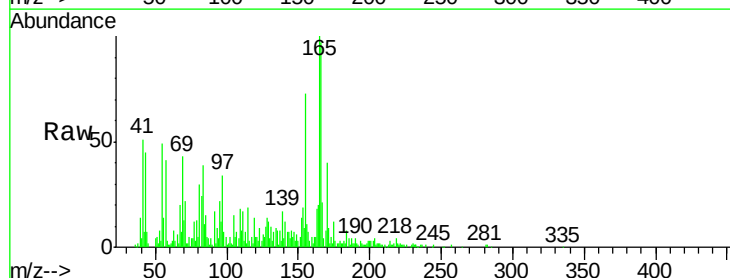
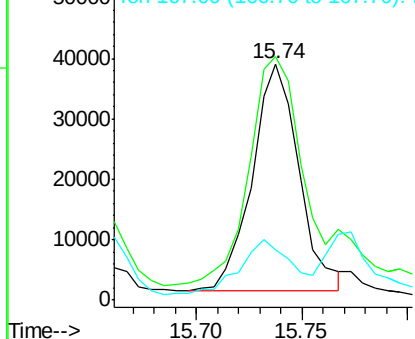
Delta R.T. 0.01 min

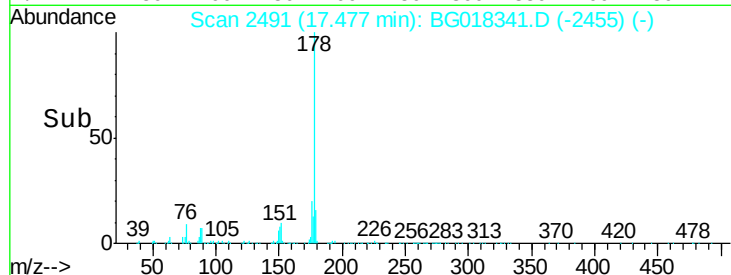
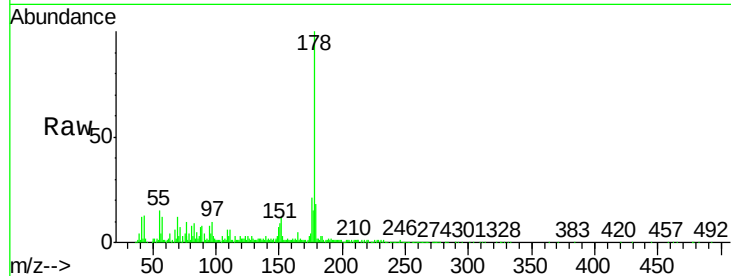
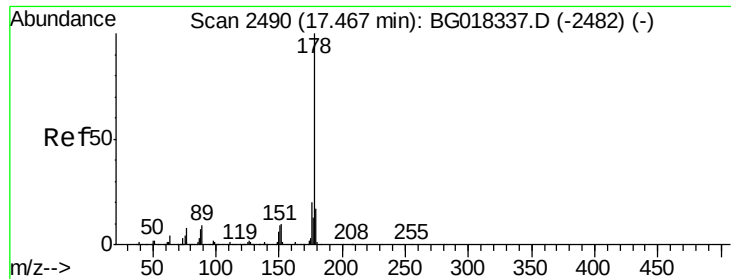
Lab File: BG018341.D

Acq: 9 Aug 2015 22:56

Tgt Ion	Ratio	Lower	Upper
166	100		
165	103.2	82.6	124.0
167	21.3	11.4	17.0

Abundance Ion 166.00 (165.70 to 166.70): E
Ion 165.00 (164.70 to 165.70): E
Ion 167.00 (166.70 to 167.70): E





#70

Phenanthrene

Concen: 6.20 ng/ul

RT: 17.48 min Scan# 2491

Delta R.T. 0.01 min

Lab File: BG018341.D

Acq: 9 Aug 2015 22:56

Tot Ion:	178	Resp:	279858
Ion Ratio	Lower	Upper	
178	100		
179	18.1	13.7	20.5
176	20.8	16.6	24.8

Instrument :

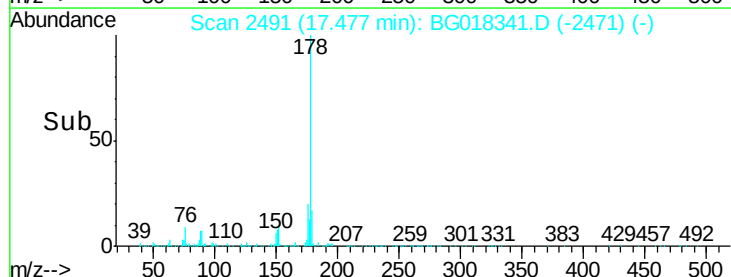
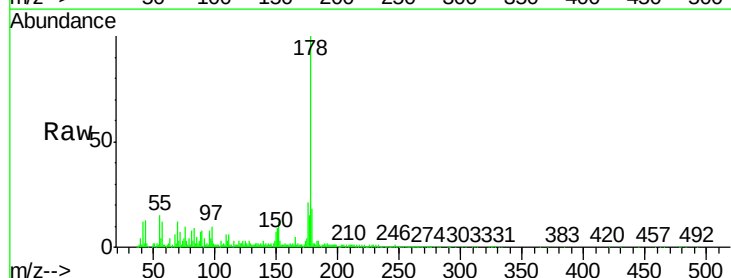
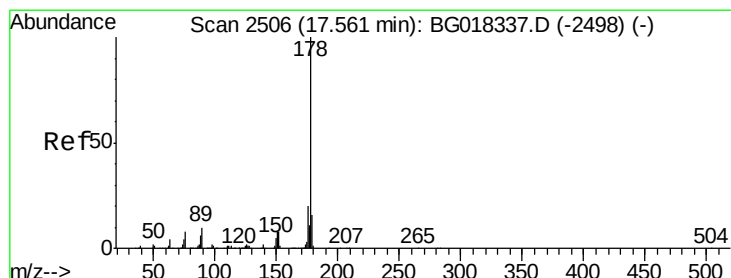
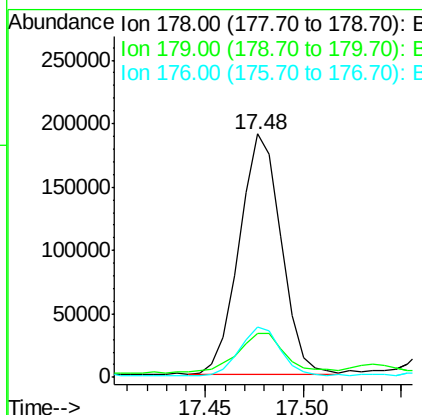
BNA_G

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C01T9

Manual Integrations
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8/10/2015 7:26:12 PM



#72

Anthracene

Concen: 6.09 ng/ul

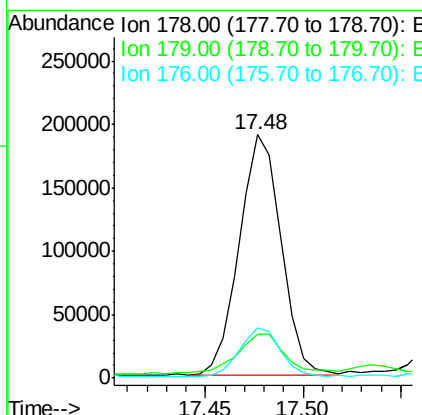
RT: 17.48 min Scan# 2491

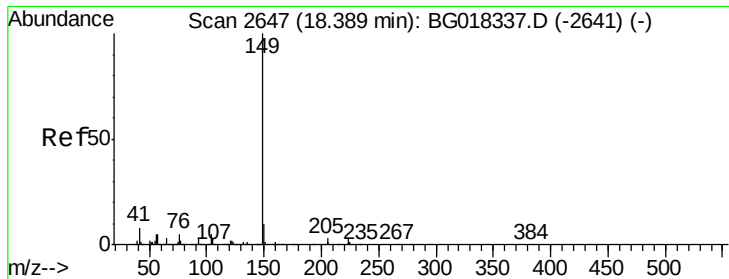
Delta R.T. -0.08 min

Lab File: BG018341.D

Acq: 9 Aug 2015 22:56

Tgt Ion:	178	Resp:	280122
Ion Ratio	Lower	Upper	
178	100		
179	18.1	13.0	19.4
176	20.8	16.0	24.0





#76

Di-n-butylphthalate

Concen: 2.56 ng/ul

RT: 18.40 min Scan# 2648

Delta R.T. 0.01 min

Lab File: BG018341.D

Acq: 9 Aug 2015 22:56

Instrument :

BNA_G

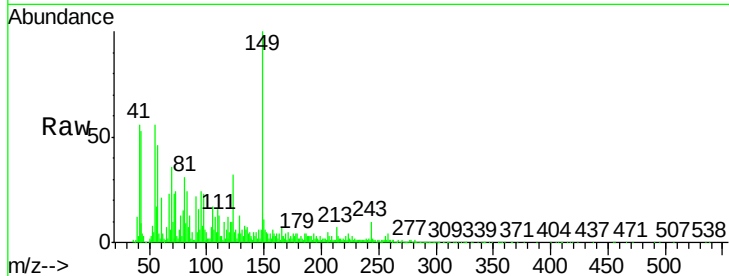
ClientSampled :

C01T9

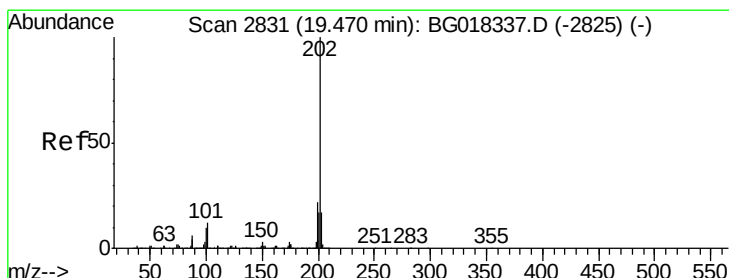
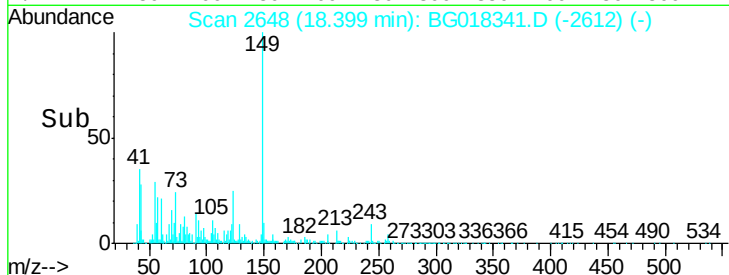
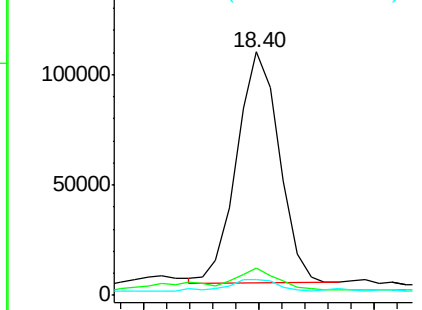
Tot Ion:	149	Resp:	134796
Ion Ratio	Lower	Upper	
149	100		
150	11.3	7.5	11.3#
104	6.6	4.3	6.5#

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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: 5.04 ng/ul

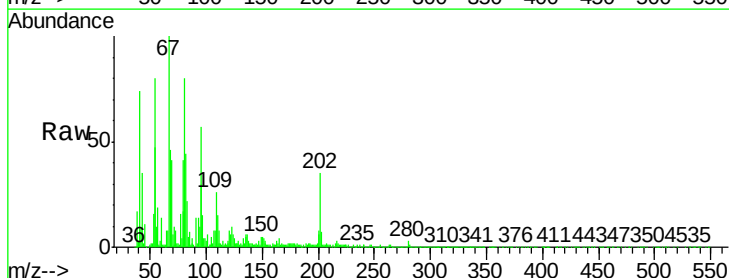
RT: 19.49 min Scan# 2833

Delta R.T. 0.02 min

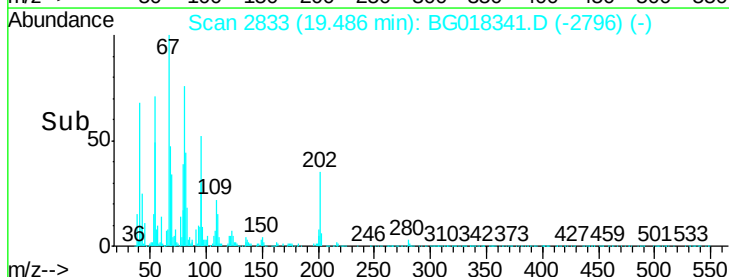
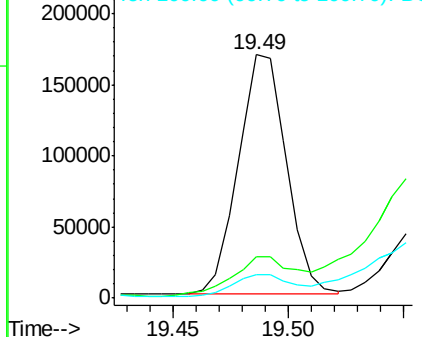
Lab File: BG018341.D

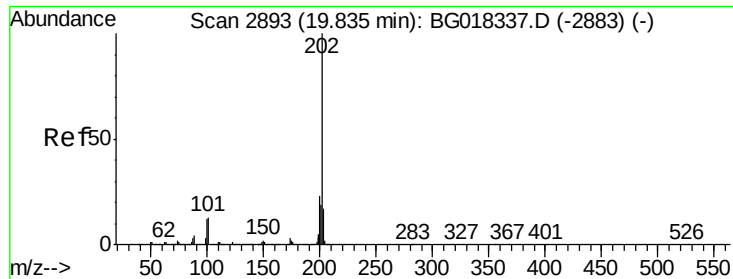
Acq: 9 Aug 2015 22:56

Tgt Ion:	202	Resp:	242833
Ion Ratio	Lower	Upper	
202	100		
101	16.8	9.7	14.5#
100	9.7	7.8	11.8



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

Pvrene

Concen: 6.42 ng/ul

RT: 19.85 min Scan# 2895

Delta R.T. 0.02 min

Lab File: BG018341.D

Acq: 9 Aug 2015 22:56

Instrument :

BNA_G

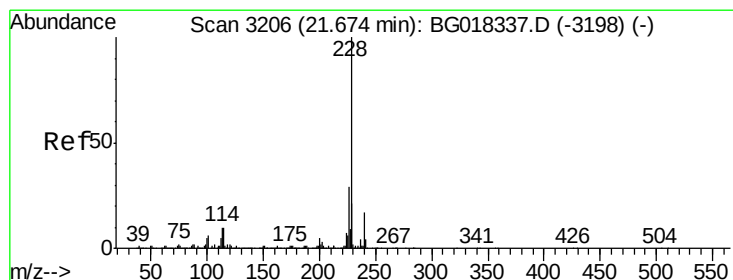
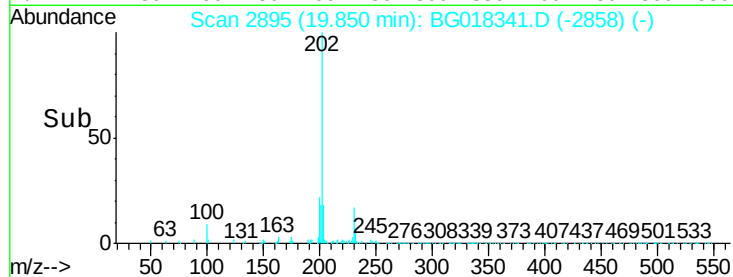
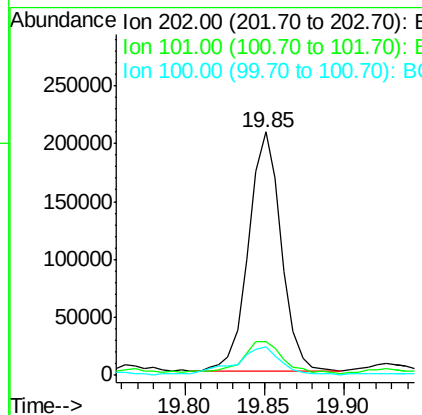
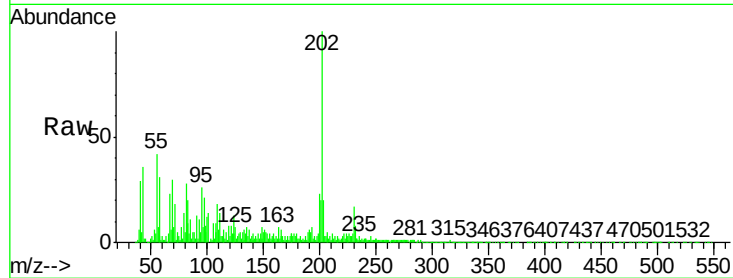
ClientSampleId :

C01T9

Tot Ion:	202	Resp:	293937
Ion Ratio	Lower	Upper	
202	100		
101	14.0	11.0	16.4
100	11.8	9.8	14.6

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#83

Benzo(a)anthracene

Concen: 2.44 ng/ul

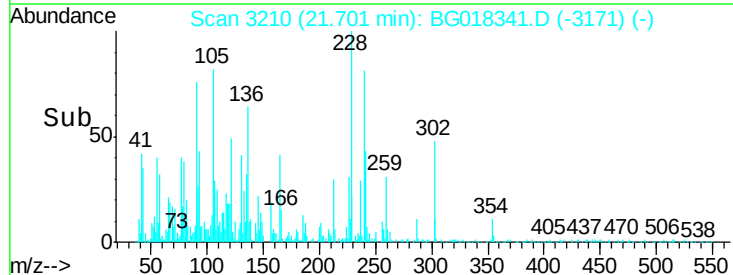
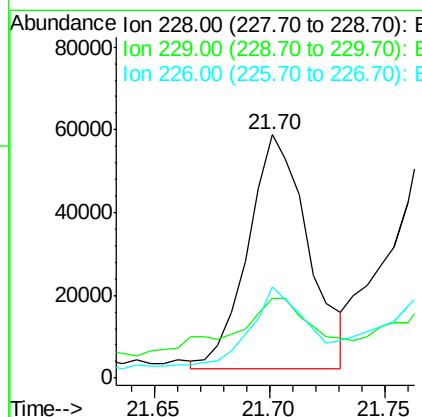
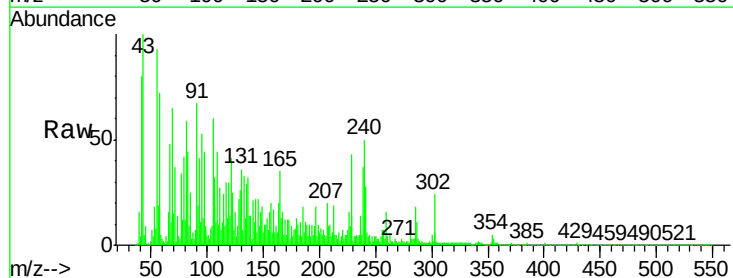
RT: 21.70 min Scan# 3210

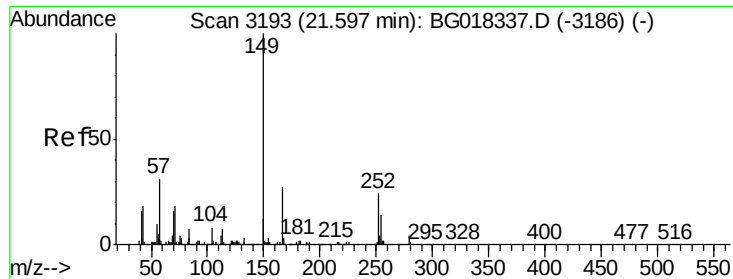
Delta R.T. 0.03 min

Lab File: BG018341.D

Acq: 9 Aug 2015 22:56

Tgt Ion:	228	Resp:	102690
Ion Ratio	Lower	Upper	
228	100		
229	32.8	15.5	23.3#
226	37.3	22.1	33.1#





#84

Bis(2-ethylhexyl)phthalate

Concen: 57.93 ng/ul

RT: 21.64 min Scan# 3199

Delta R.T. 0.04 min

Lab File: BG018341.D

Acq: 9 Aug 2015 22:56

Instrument :

BNA_G

ClientSampleId :

C01T9

Tot Ion:149 Resp: 1586009

Ion	Ratio	Lower	Upper
149	100		
167	30.7	22.2	33.2
279	4.0	2.8	4.2

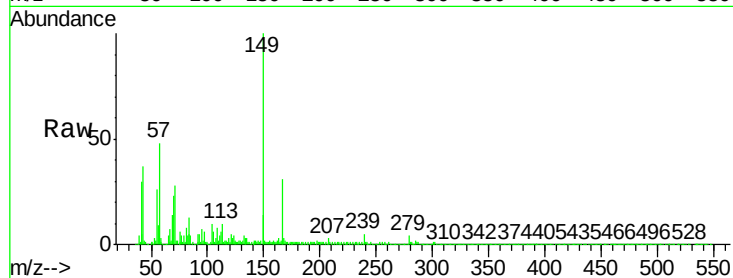
149 100

167 30.7 22.2 33.2

279 4.0 2.8 4.2

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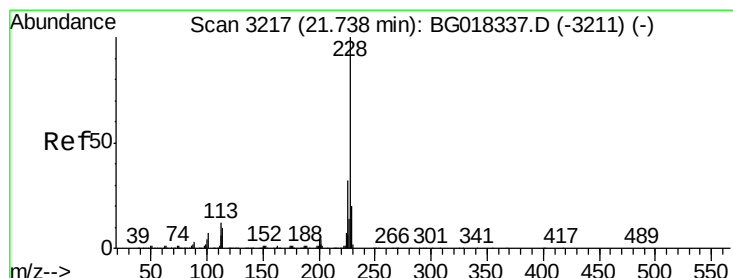
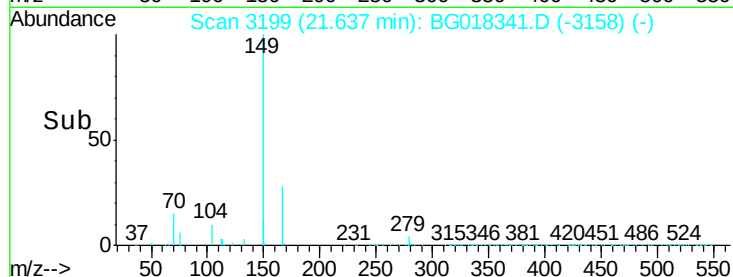
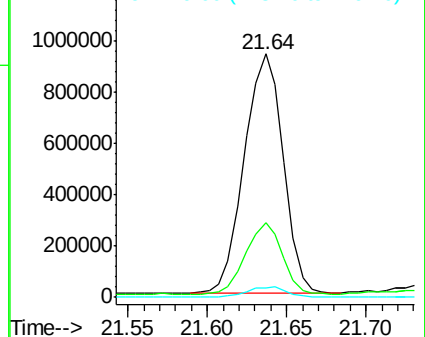


Abundance

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: 2.94 ng/ul

RT: 21.77 min Scan# 3221

Delta R.T. 0.03 min

Lab File: BG018341.D

Acq: 9 Aug 2015 22:56

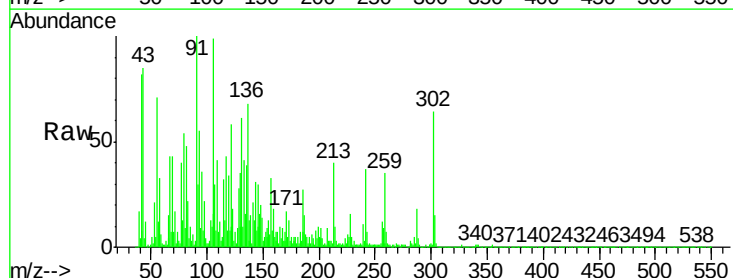
Tgt Ion:228 Resp: 115608

Ion	Ratio	Lower	Upper
228	100		
226	35.2	26.5	39.7
229	30.2	16.9	25.3

228 100

226 35.2 26.5 39.7

229 30.2 16.9 25.3#

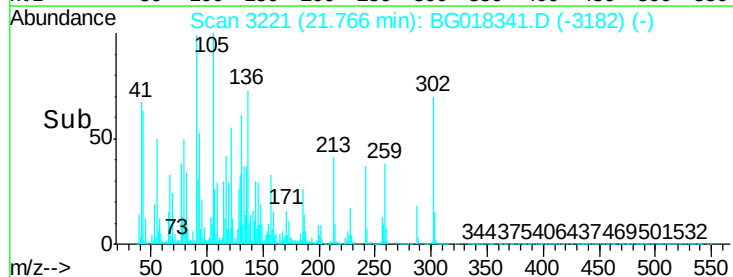
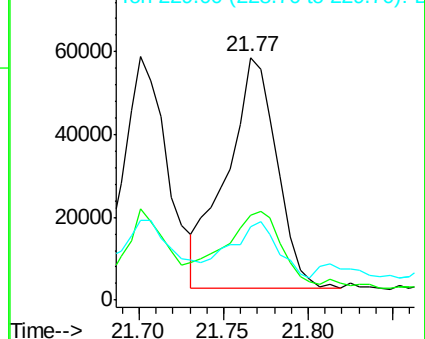


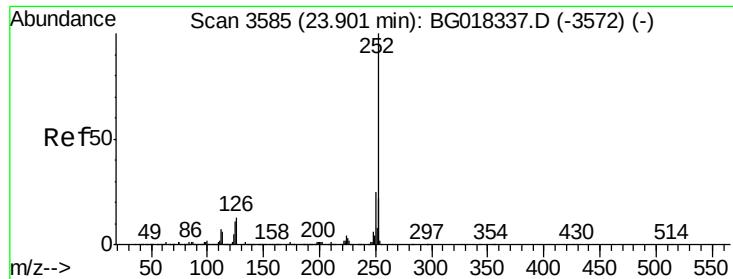
Abundance

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: 3.18 ng/ul

RT: 23.97 min Scan# 3596

Delta R.T. 0.07 min

Lab File: BG018341.D

Acq: 9 Aug 2015 22:56

Instrument :

BNA_G

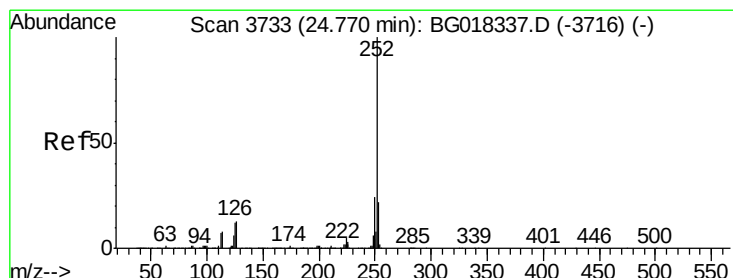
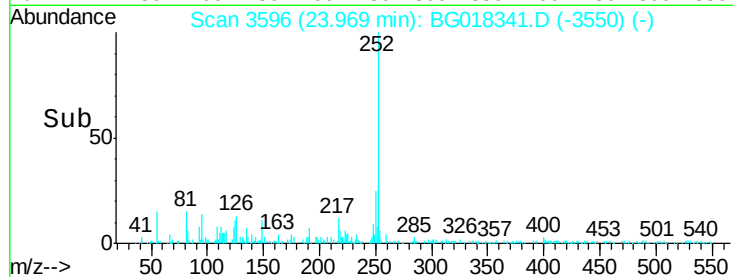
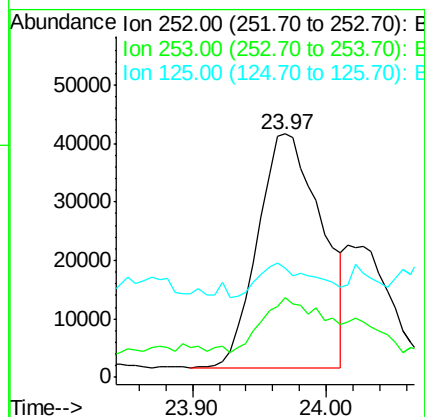
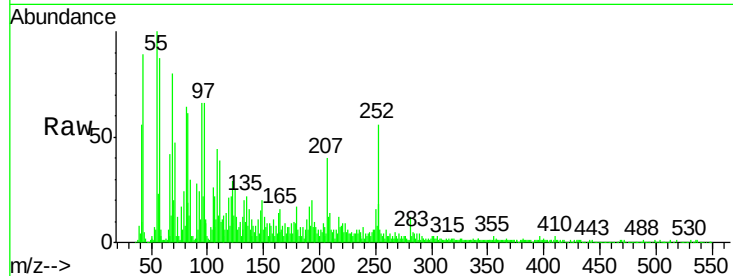
ClientSampleId :

C01T9

Tot Ion:	252	Resp:	132813
Ion Ratio	Lower	Upper	
252	100		
253	32.6	18.1	27.1#
125	45.0	8.3	12.5#

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#91

Benzo(a)pyrene

Concen: 1.98 ng/ul

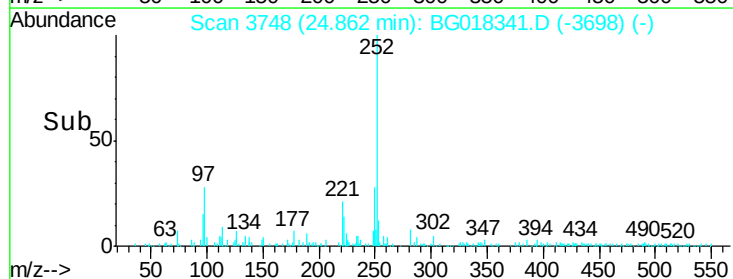
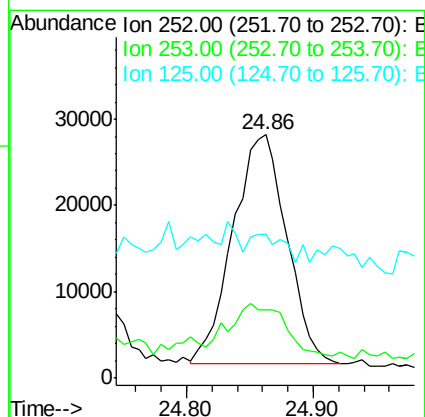
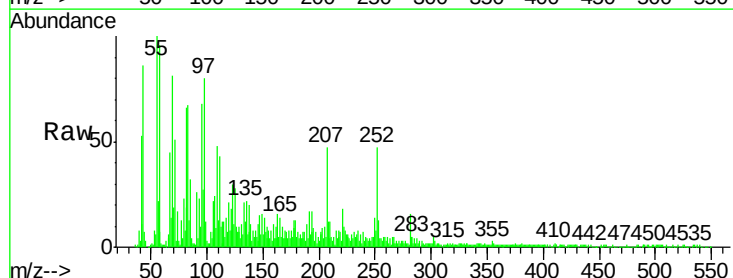
RT: 24.86 min Scan# 3748

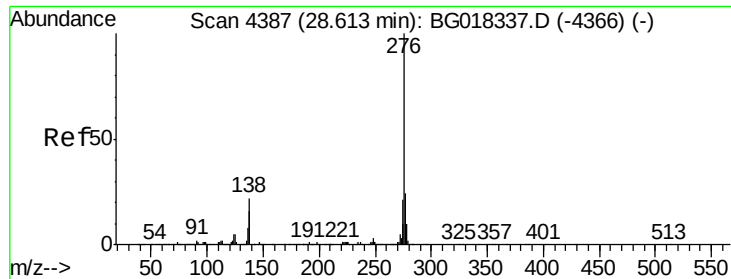
Delta R.T. 0.09 min

Lab File: BG018341.D

Acq: 9 Aug 2015 22:56

Tgt Ion:	252	Resp:	78688
Ion Ratio	Lower	Upper	
252	100		
253	27.9	17.7	26.5#
125	59.0	10.2	15.2#





#92

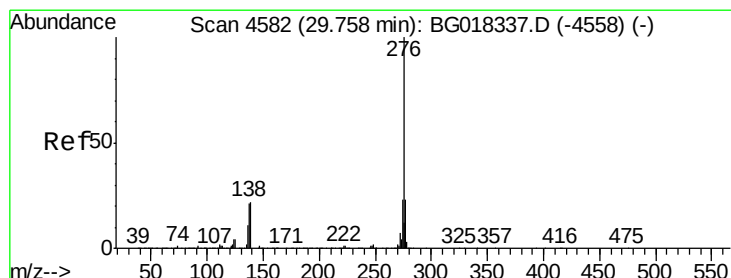
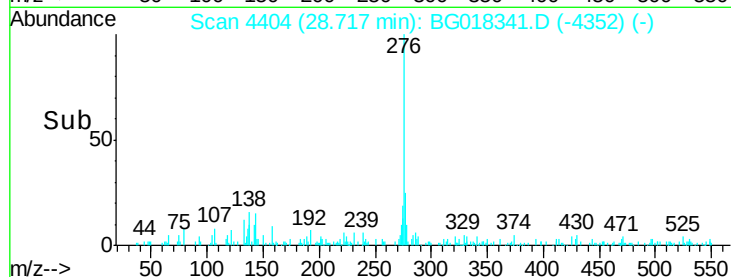
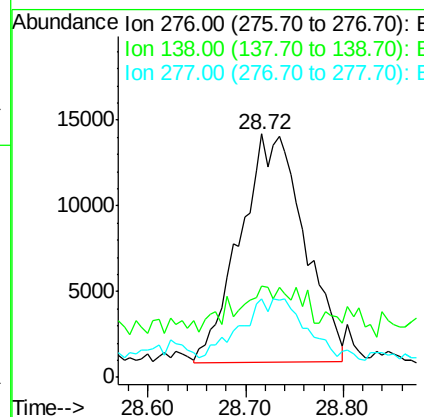
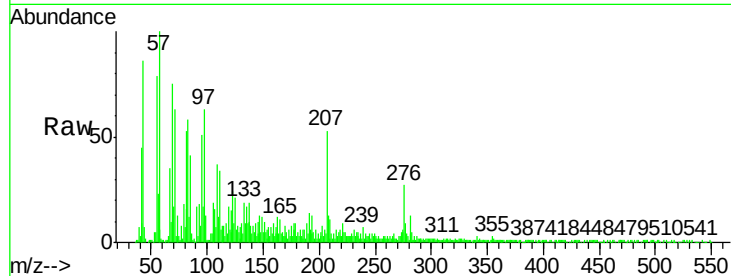
Indeno(1,2,3-cd)pyrene
Concen: 1.32 ng/ul m
RT: 28.72 min Scan# 4404
Delta R.T. 0.10 min
Lab File: BG018341.D
Acq: 9 Aug 2015 22:56

Instrument :
BNA_G
ClientSampleId :
C01T9

Tot Ion	Ratio	Lower	Upper
276	100		
138	37.6	15.8	23.6#
277	32.5	18.9	28.3#

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#94

Benzo(g,h,i)perylene
Concen: 1.52 ng/ul m
RT: 29.89 min Scan# 4604
Delta R.T. 0.13 min
Lab File: BG018341.D
Acq: 9 Aug 2015 22:56

Tgt Ion	Ratio	Lower	Upper
276	100		
138	43.1	16.5	24.7#
277	32.4	19.0	28.6#

