

Data Path : Z:\HPCHEM1\BNA G\DATA\BG080815\
 Data File : BG018321.D
 Acq On : 8 Aug 2015 9:00
 Operator : UM/TP
 Sample : G3095-08DL 5X
 Misc :
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 C01R8DL

Manual Integrations
 APPROVED

MMDadoda
 8/10/2015 7:23:10 PM

Quant Time: Aug 10 02:58:35 2015
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG080815.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Mon Aug 10 01:57:33 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.40	152	13444	20.00	ng/ul	0.00
18) Naphthalene-d8	10.19	136	65824	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.09	164	43417	20.00	ng/ul	0.00
62) Phenanthrene-d10	16.85	188	95870	20.00	ng/ul	0.00
78) Chrysene-d12	21.07	240	72900	20.00	ng/ul	0.00
86) Perylene-d12	23.22	264	70232	20.00	ng/ul	0.00

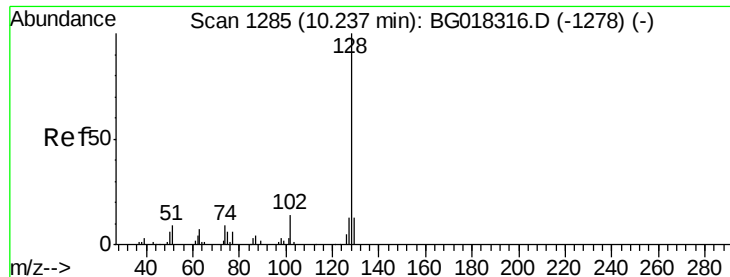
System Monitoring Compounds

3) 1,4-Dioxane-d8	0.00	96	0	0.00	ng/uL	
5) Phenol-d5	6.62	99	3455	2.77	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	6.75	67	2063m	2.87	ng/ul	0.00
9) 2-Chlorophenol-d4	6.95	132	2728	2.65	ng/ul	0.00
13) 4-Methylphenol-d8	8.14	113	2826	2.65	ng/ul	0.00
19) Nitrobenzene-d5	8.55	128	1364	2.28	ng/ul	0.00
22) 2-Nitrophenol-d4	9.28	143	1662	2.41	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	9.84	165	3080	2.42	ng/ul	0.00
29) 4-Chloroaniline-d4	10.35	131	1367	0.97	ng/ul	0.00
44) Dimethylphthalate-d6	13.51	166	12432	2.84	ng/ul	0.00
47) Acenaphthylene-d8	13.78	160	14477	2.99	ng/ul	0.00
52) 4-Nitrophenol-d4	14.37	143	499	0.90	ng/ul	0.02
58) Fluorene-d10	15.09	176	12142	3.17	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	0.00	200	0d	0.00	ng/ul	
71) Anthracene-d10	16.95	188	15056	2.91	ng/ul	0.00
79) Pyrene-d10	19.27	212	14137	3.35	ng/ul	0.00
90) Benzo(a)pyrene-d12	23.08	264	12253	2.70	ng/ul	0.00

Target Compounds

						Ovalue
28) Naphthalene	10.23	128	4785	1.27	ng/ul#	91
48) Acenaphthylene	13.81	152	6963	1.44	ng/ul	94
50) Acenaphthene	14.15	153	8223	2.53	ng/ul#	89
54) Dibenzofuran	14.49	168	5561	1.16	ng/ul	96
59) Fluorene	15.15	166	10217	2.46	ng/ul	88
70) Phenanthrene	16.89	178	199715	33.31	ng/ul	98
72) Anthracene	16.99	178	41059	6.81	ng/ul	99
75) Carbazole	17.26	167	11405	2.45	ng/ul#	93
77) Fluoranthene	18.93	202	334741	51.20	ng/ul#	98
80) Pyrene	19.29	202	321129	60.44	ng/ul	98
83) Benzo(a)anthracene	21.05	228	134189	27.04	ng/ul	96
84) Bis(2-ethylhexyl)phthalate	21.00	149	128877	41.00	ng/ul#	96
85) Chrysene	21.10	228	129591	28.23	ng/ul#	91
88) Benzo(b)fluoranthene	22.58	252	160402	30.15	ng/ul#	89
89) Benzo(k)fluoranthene	22.61	252	58453m	11.50	ng/ul	
91) Benzo(a)pyrene	23.13	252	122334m	25.53	ng/ul	
92) Indeno(1,2,3-cd)pyrene	25.38	276	95408	16.30	ng/ul	98
93) Dibenzo(a,h)anthracene	25.37	278	28393m	5.57	ng/ul	
94) Benzo(g,h,i)perylene	26.05	276	89347	18.74	ng/ul	94

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



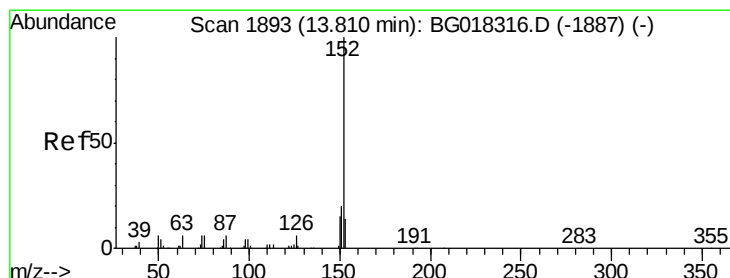
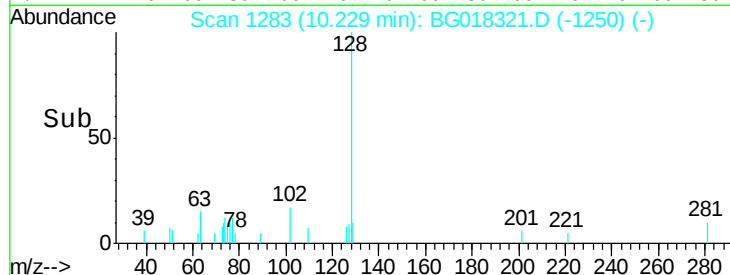
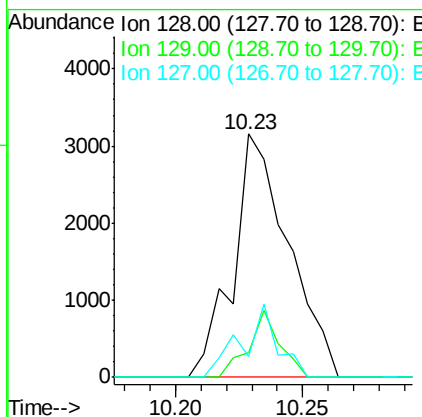
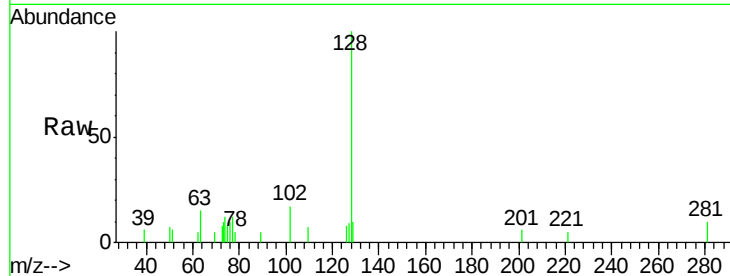
#28
Naphthalene
Concen: 1.27 ng/ul
RT: 10.23 min Scan# 1283
Delta R.T. -0.01 min
Lab File: BG018321.D
Acq: 8 Aug 2015 9:00

Instrument :
BNA_G
ClientSampleId :
C01R8DL

Tot Ion	Ratio	Lower	Upper
128	100		
129	10.1	10.2	15.2#
127	8.8	10.8	16.2#

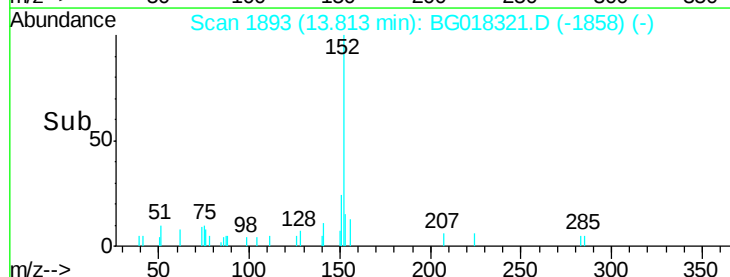
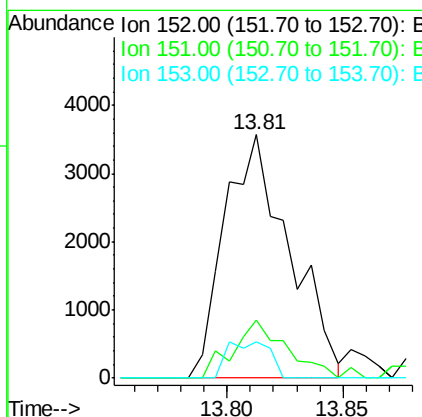
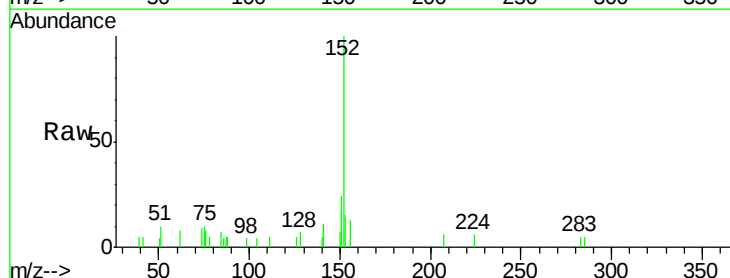
Manual Integrations
APPROVED

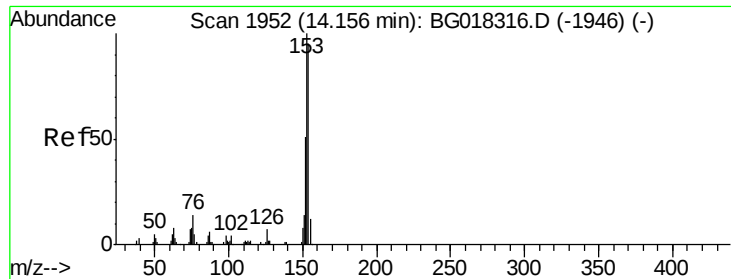
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#48
Acenaphthylene
Concen: 1.44 ng/ul
RT: 13.81 min Scan# 1893
Delta R.T. 0.00 min
Lab File: BG018321.D
Acq: 8 Aug 2015 9:00

Tgt Ion	Ratio	Lower	Upper
152	100		
151	23.6	15.9	23.9
153	15.1	11.3	16.9





#50

Acenaphthene

Concen: 2.53 ng/ul

RT: 14.15 min Scan# 1951

Delta R.T. -0.00 min

Lab File: BG018321.D

Acq: 8 Aug 2015 9:00

Instrument :

BNA_G

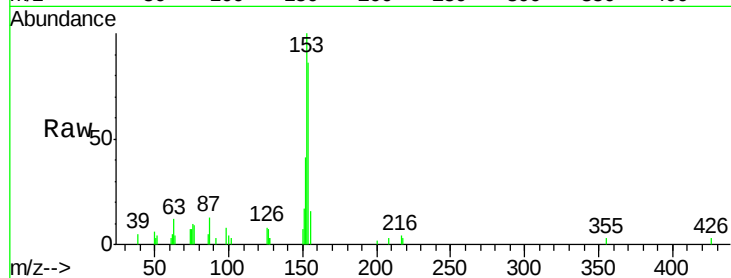
ClientSampleId :

C01R8DL

Tot Ion	Ratio	Lower	Upper
153	100		
152	41.1	41.1	61.7#
154	86.2	76.2	114.2

Manual Integrations
APPROVED

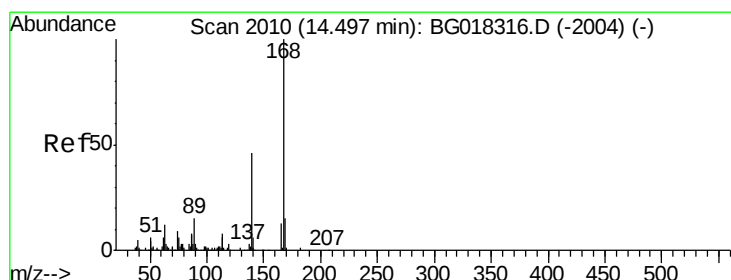
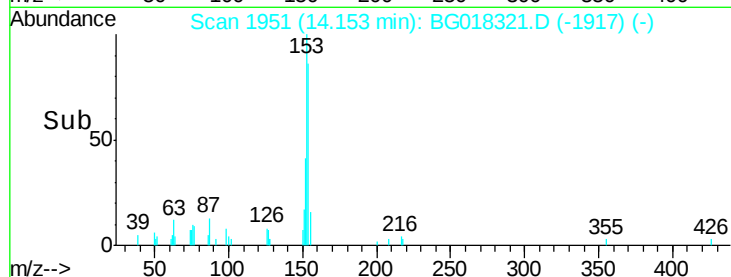
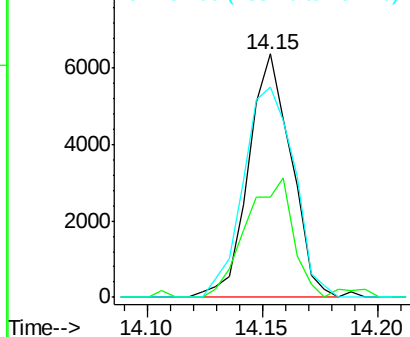
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Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E



#54

Dibenzofuran

Concen: 1.16 ng/ul

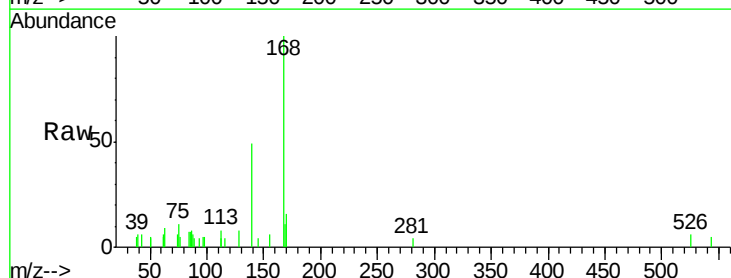
RT: 14.49 min Scan# 2009

Delta R.T. -0.00 min

Lab File: BG018321.D

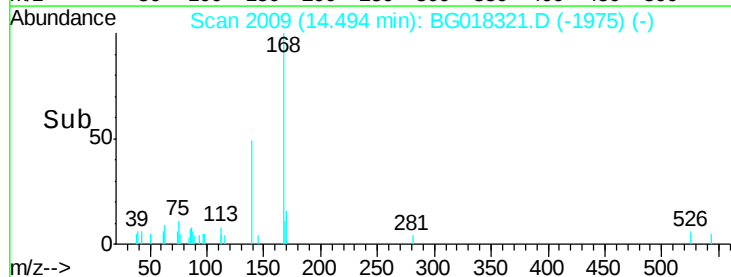
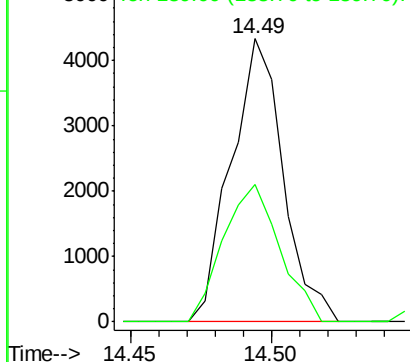
Acq: 8 Aug 2015 9:00

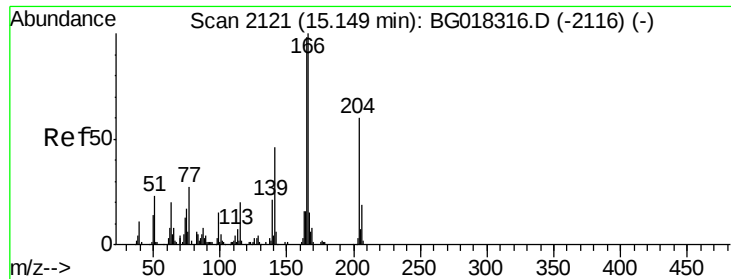
Tgt Ion	Ratio	Lower	Upper
168	100		
139	48.7	36.6	55.0



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E





#59

Fluorene

Concen: 2.46 ng/ul

RT: 15.15 min Scan# 2121

Delta R.T. 0.00 min

Lab File: BG018321.D

Acq: 8 Aug 2015 9:00

Instrument :

BNA_G

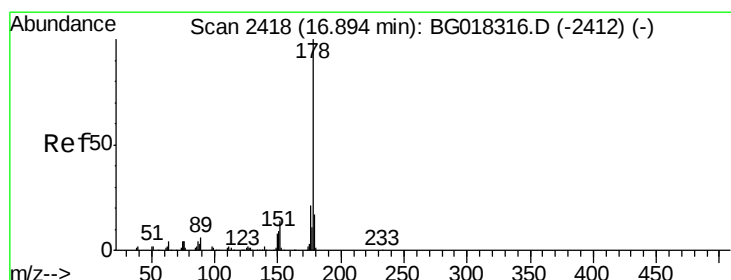
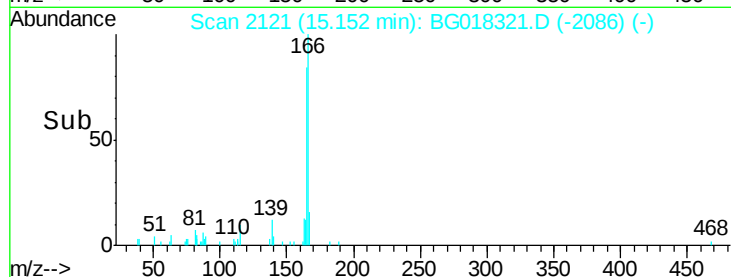
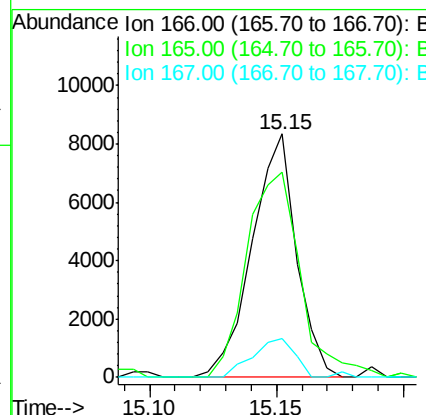
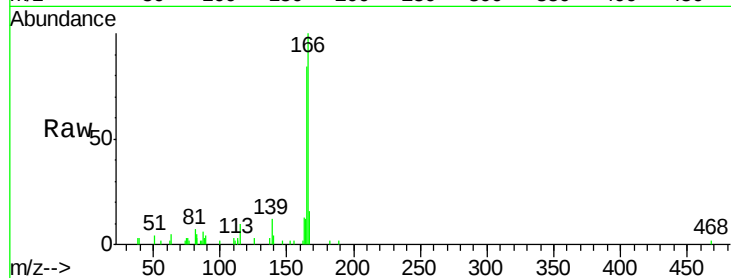
ClientSampled :

C01R8DL

Tot Ion:	166	Resp:	10217
Ion Ratio	Lower	Upper	
166	100		
165	84.4	78.5	117.7
167	16.2	11.9	17.9

Manual Integrations
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#70

Phenanthrene

Concen: 33.31 ng/ul

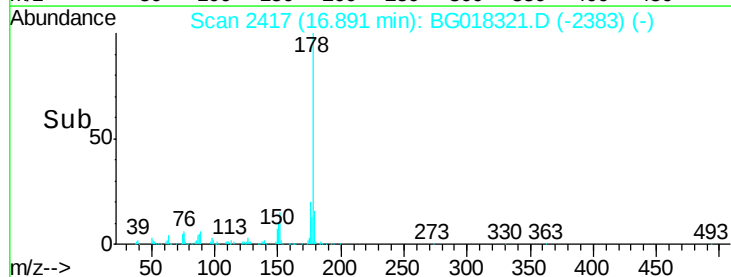
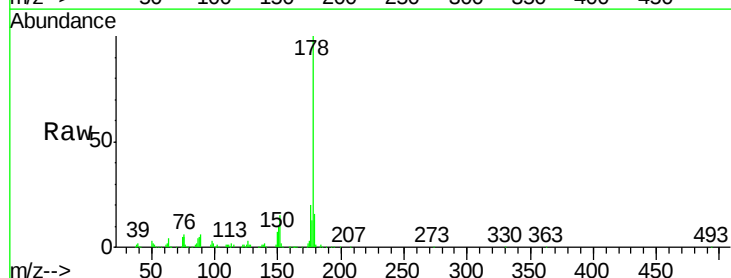
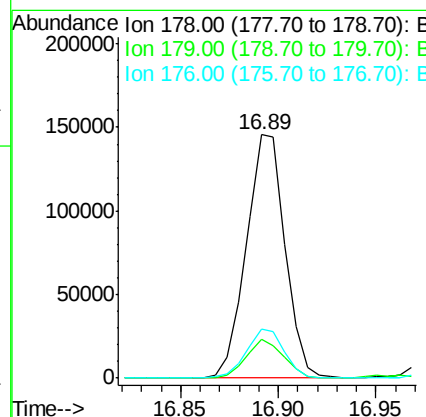
RT: 16.89 min Scan# 2417

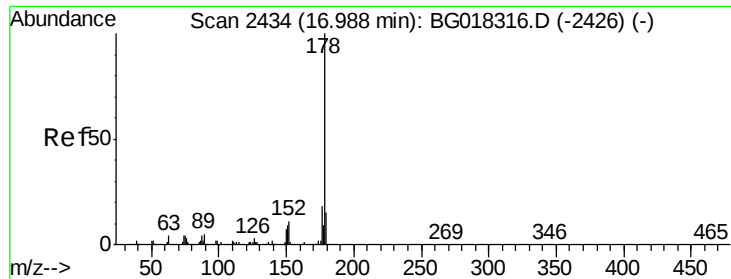
Delta R.T. -0.00 min

Lab File: BG018321.D

Acq: 8 Aug 2015 9:00

Tgt Ion:	178	Resp:	199715
Ion Ratio	Lower	Upper	
178	100		
179	15.8	13.4	20.2
176	19.9	16.7	25.1





#72

Anthracene

Concen: 6.81 ng/ul

RT: 16.99 min Scan# 2433

Delta R.T. -0.00 min

Lab File: BG018321.D

Acq: 8 Aug 2015 9:00

Instrument :

BNA_G

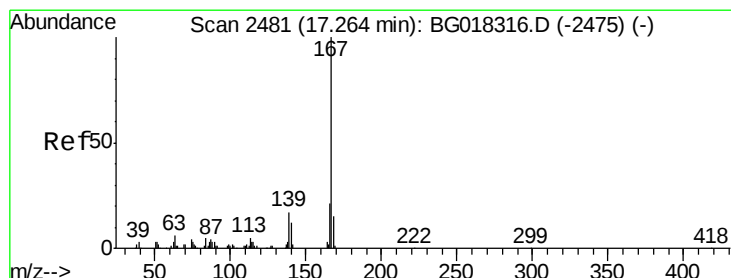
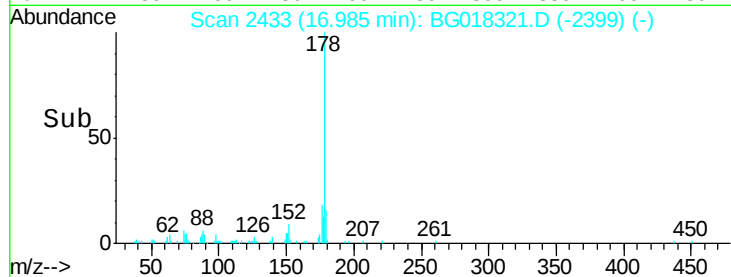
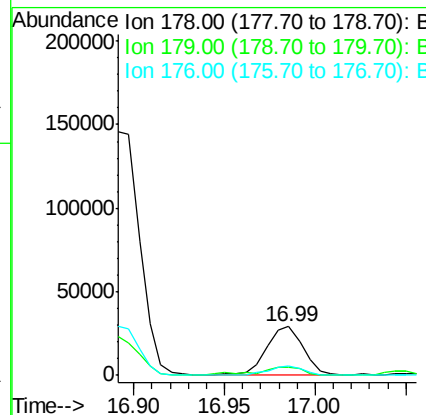
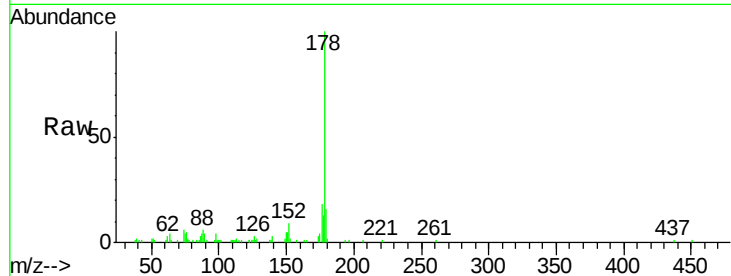
ClientSampleId :

C01R8DL

Tot Ion:	178	Resp:	41059
Ion Ratio	Lower	Upper	
178	100		
179	15.9	11.8	17.8
176	18.2	14.7	22.1

Manual Integrations
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#75

Carbazole

Concen: 2.45 ng/ul

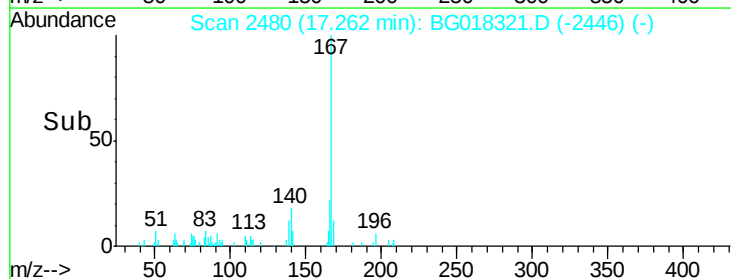
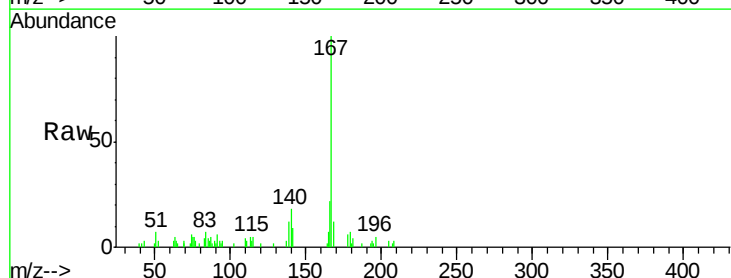
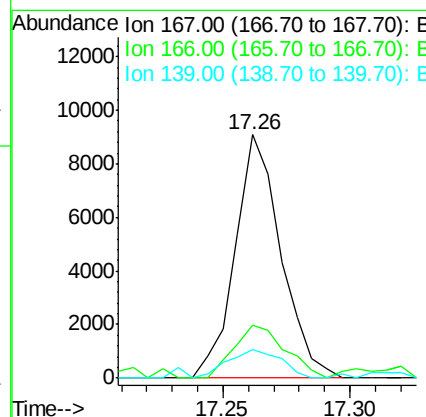
RT: 17.26 min Scan# 2480

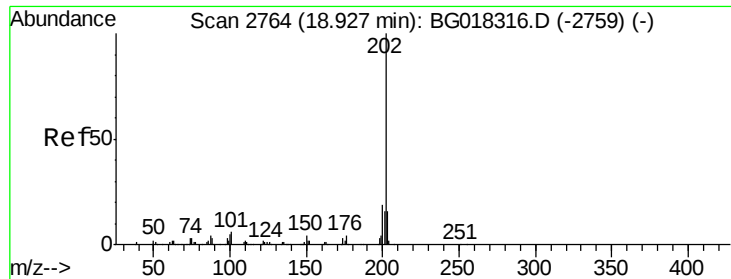
Delta R.T. -0.00 min

Lab File: BG018321.D

Acq: 8 Aug 2015 9:00

Tgt Ion:	167	Resp:	11405
Ion Ratio	Lower	Upper	
167	100		
166	21.8	16.5	24.7
139	11.6	13.4	20.2#





#77

Fluoranthene

Concen: 51.20 ng/ul

RT: 18.93 min Scan# 2764

Delta R.T. 0.00 min

Lab File: BG018321.D

Acq: 8 Aug 2015 9:00

Instrument :

BNA_G

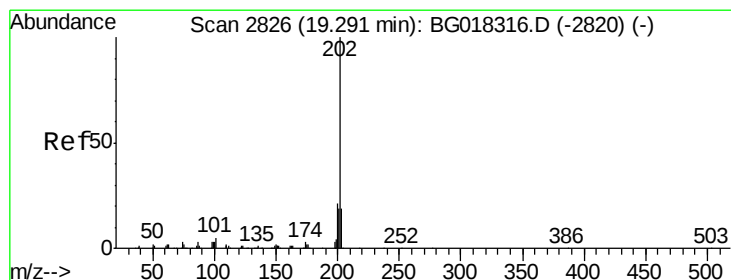
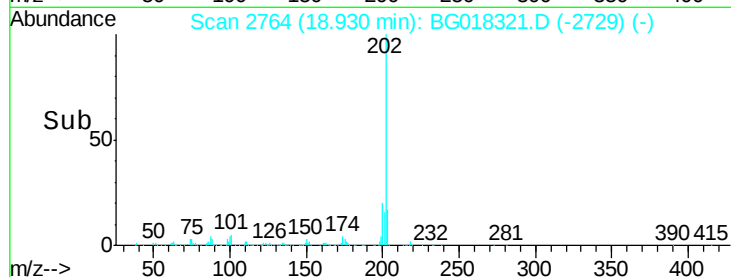
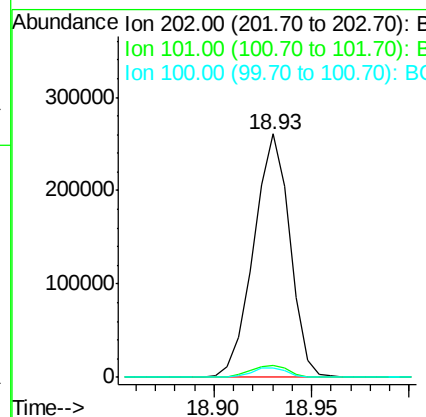
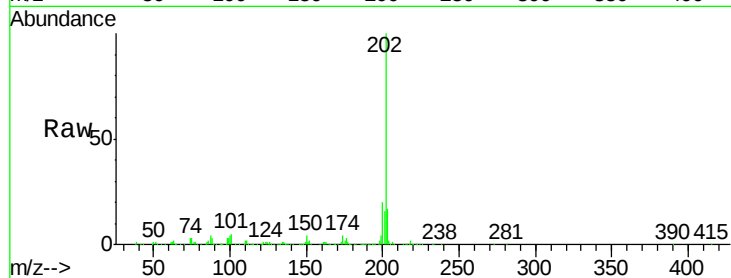
ClientSampleId :

C01R8DL

Tot Ion	Ion	Ratio	Resp Lower	Upper
202	100			
101	5.1	4.5	6.7	
100	3.9	3.9	5.9	

Manual Integrations
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#80

Pyrene

Concen: 60.44 ng/ul

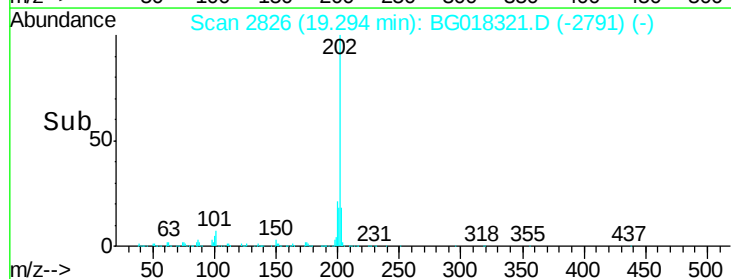
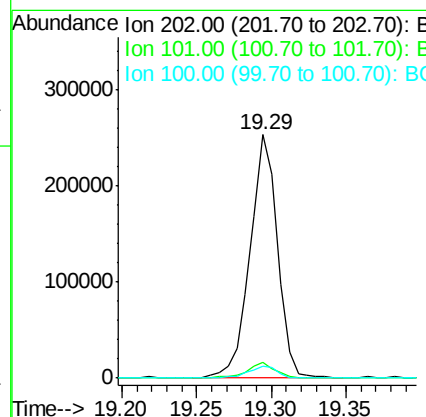
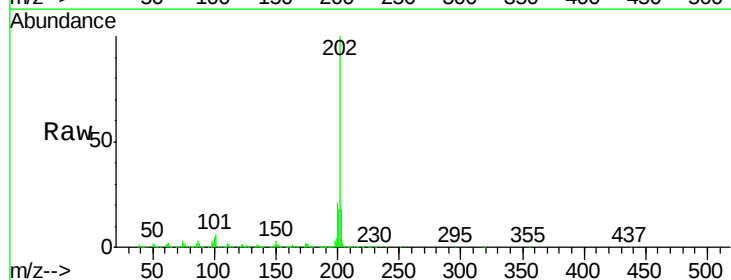
RT: 19.29 min Scan# 2826

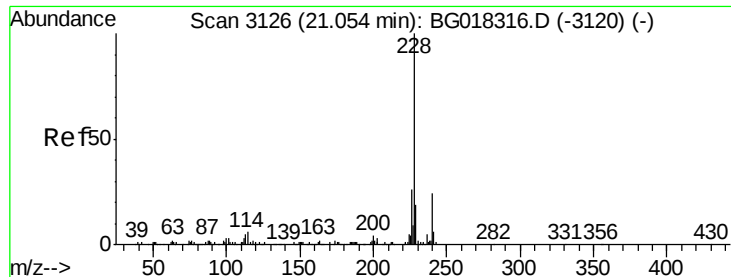
Delta R.T. 0.00 min

Lab File: BG018321.D

Acq: 8 Aug 2015 9:00

Tgt Ion	Ion	Ratio	Resp Lower	Upper
202	100			
101	6.5	4.4	6.6	
100	4.7	3.8	5.8	





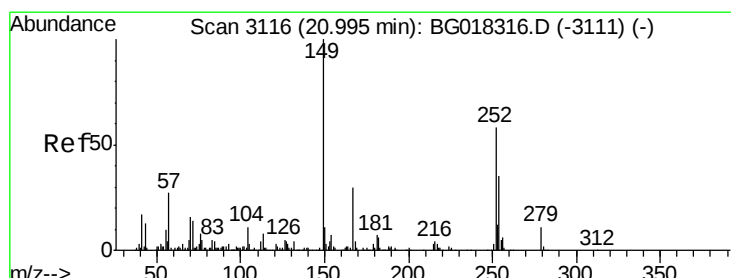
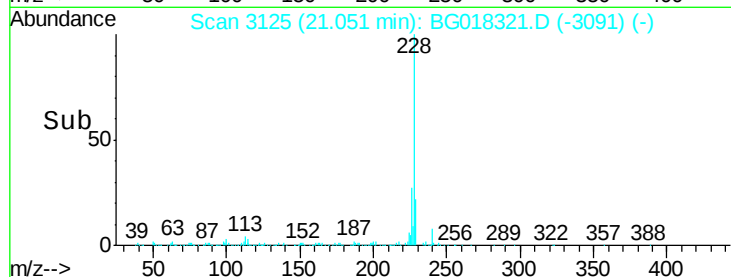
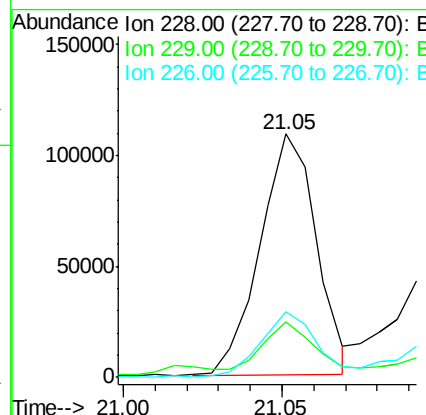
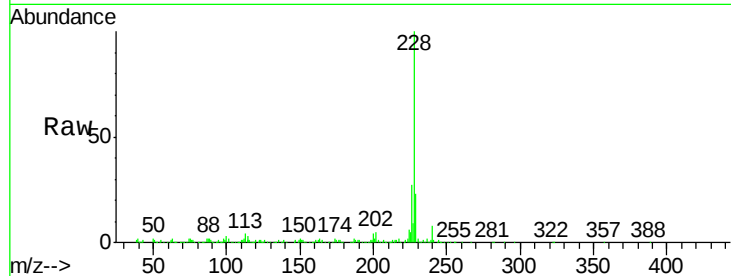
#83
Benzo(a)anthracene
Concen: 27.04 ng/ul
RT: 21.05 min Scan# 3125
Delta R.T. -0.00 min
Lab File: BG018321.D
Acq: 8 Aug 2015 9:00

Instrument :
BNA_G
ClientSampleId :
C01R8DL

Tot Ion	Ratio	Lower	Upper
228	100		
229	22.6	15.4	23.2
226	26.9	20.9	31.3

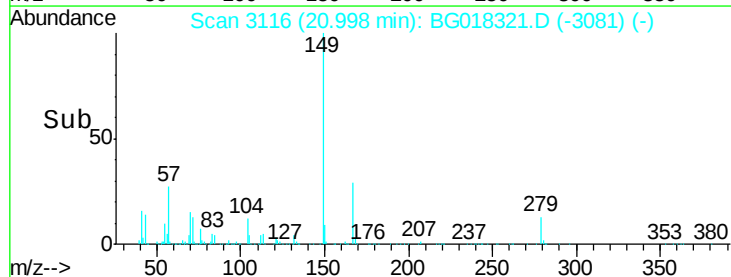
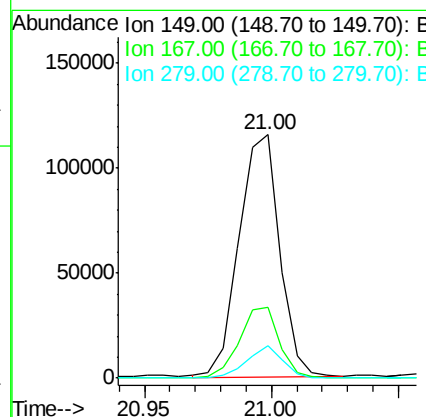
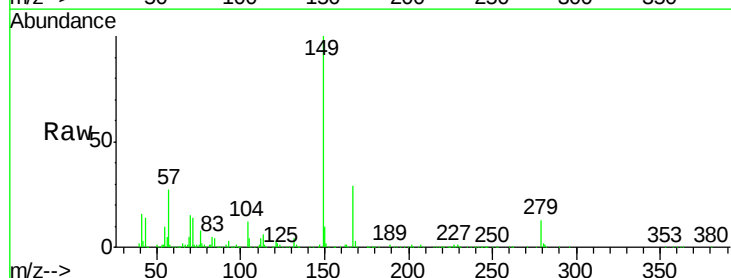
Manual Integrations
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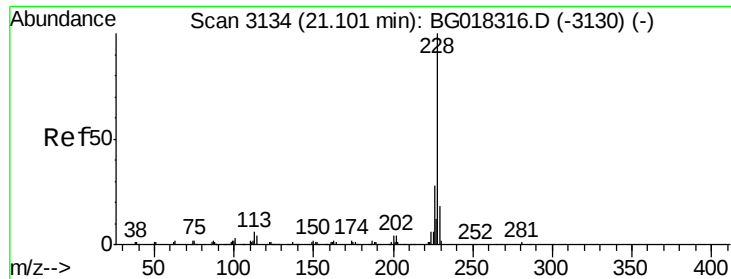
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8/10/2015 7:23:10 PM



#84
Bis(2-ethylhexyl)phthalate
Concen: 41.00 ng/ul
RT: 21.00 min Scan# 3116
Delta R.T. 0.00 min
Lab File: BG018321.D
Acq: 8 Aug 2015 9:00

Tgt Ion	Ratio	Lower	Upper
149	100		
167	28.9	24.2	36.4
279	13.2	8.4	12.6





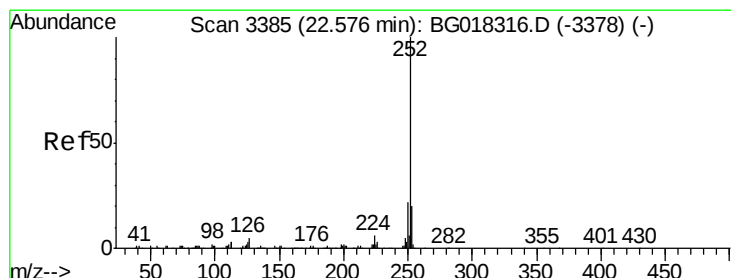
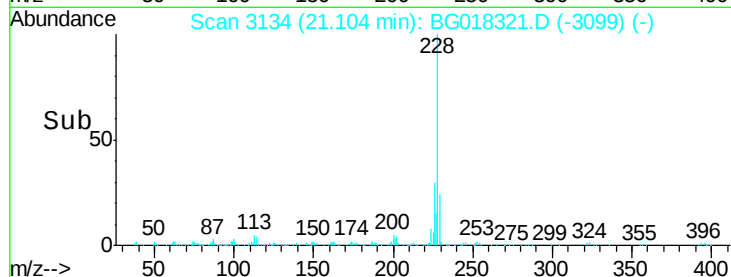
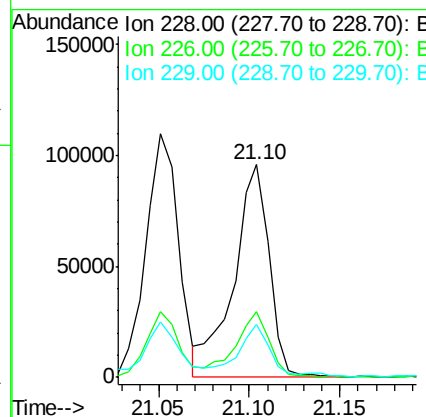
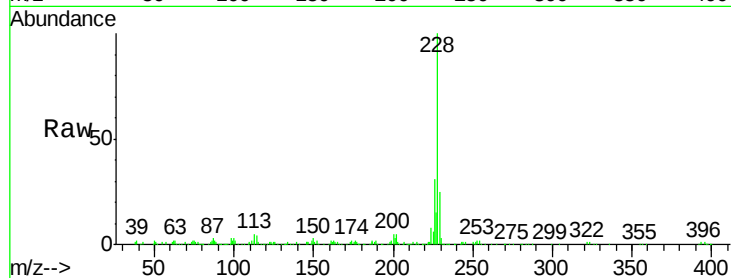
#85
 Chrvsene
 Concen: 28.23 ng/ul
 RT: 21.10 min Scan# 3134
 Delta R.T. 0.00 min
 Lab File: BG018321.D
 Acq: 8 Aug 2015 9:00

Instrument :
 BNA_G
 ClientSampleId :
 C01R8DL

Tot Ion	Ratio	Resp Lower	Upper
228	100		
226	30.9	22.6	33.8
229	24.7	14.2	21.2#

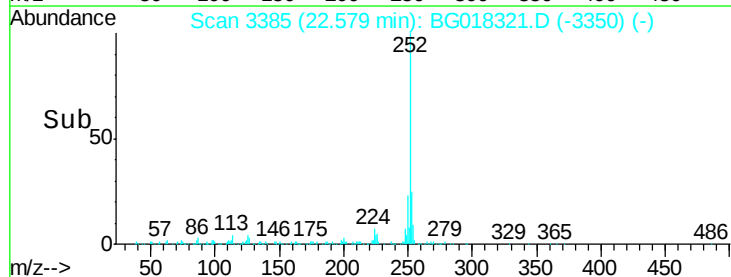
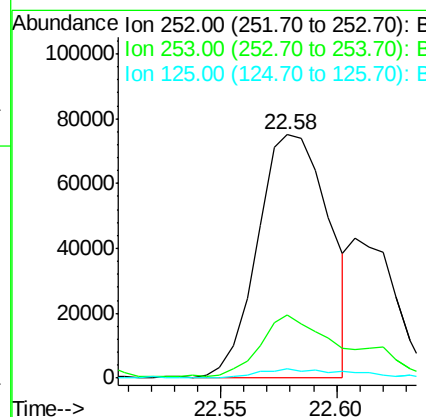
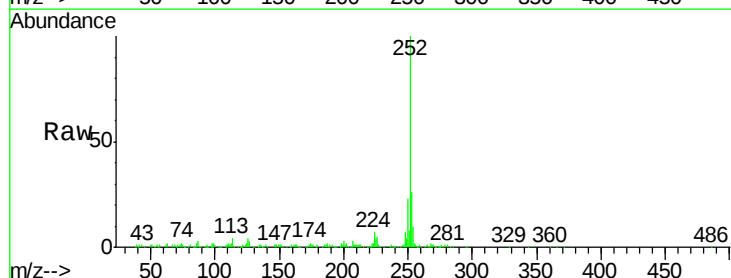
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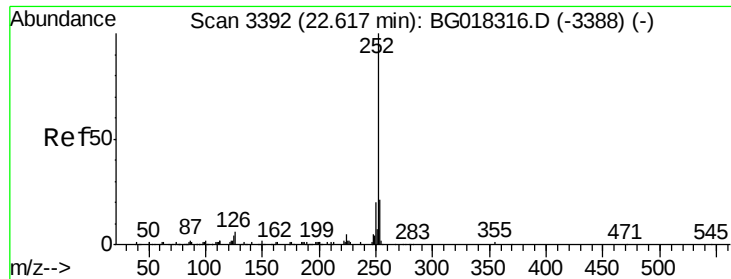
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#88
 Benzo(b)fluoranthene
 Concen: 30.15 ng/ul
 RT: 22.58 min Scan# 3385
 Delta R.T. 0.00 min
 Lab File: BG018321.D
 Acq: 8 Aug 2015 9:00

Tgt Ion	Ratio	Resp Lower	Upper
252	100		
253	25.9	16.2	24.4#
125	3.7	2.4	3.6#





#89

Benzo(k)fluoranthene

Concen: 11.50 ng/ul m

RT: 22.61 min Scan# 3390

Delta R.T. -0.01 min

Lab File: BG018321.D

Acq: 8 Aug 2015 9:00

Instrument :

BNA_G

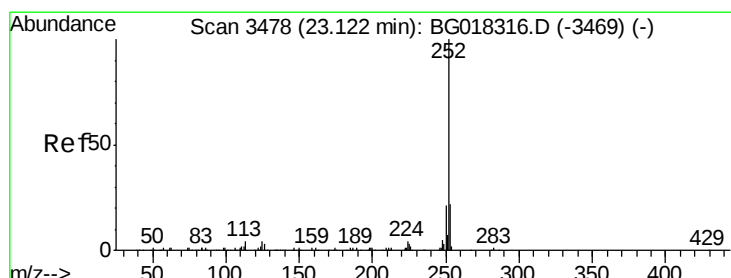
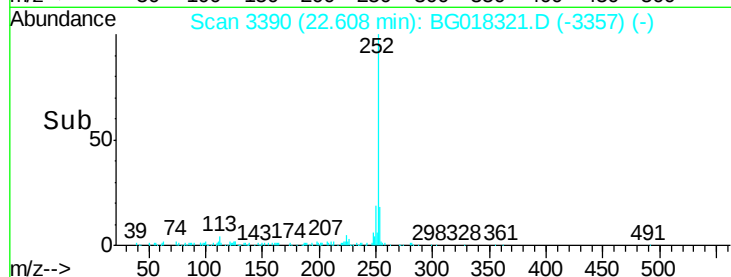
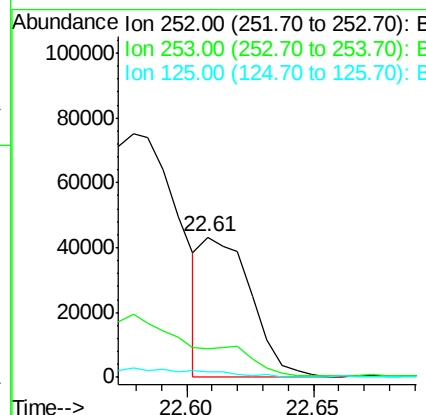
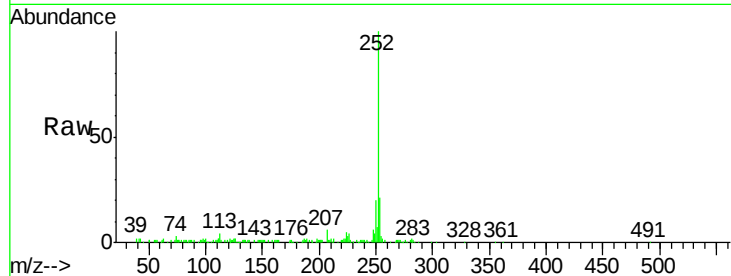
ClientSampleId :

C01R8DL

Tot Ion:	252	Resp:	58453
Ion Ratio	Lower	Upper	
252	100		
253	20.6	17.4	26.0
125	2.5	3.3	4.9#

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#91

Benzo(a)pyrene

Concen: 25.53 ng/ul m

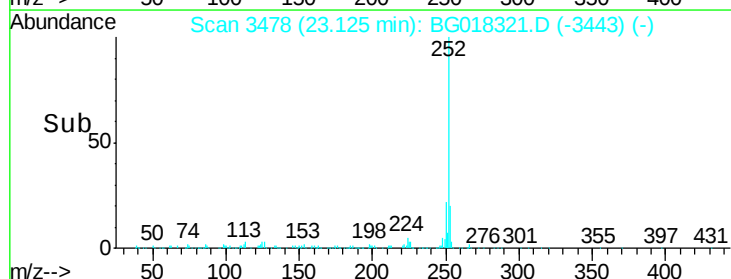
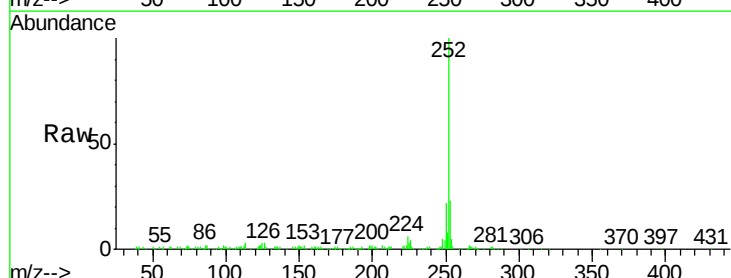
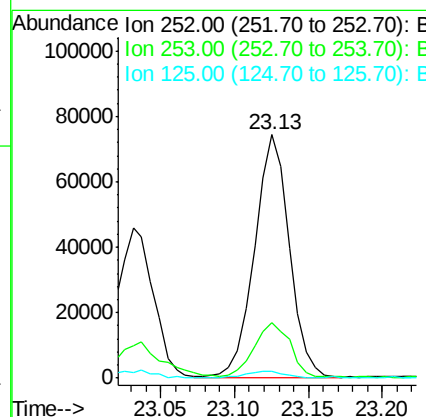
RT: 23.13 min Scan# 3478

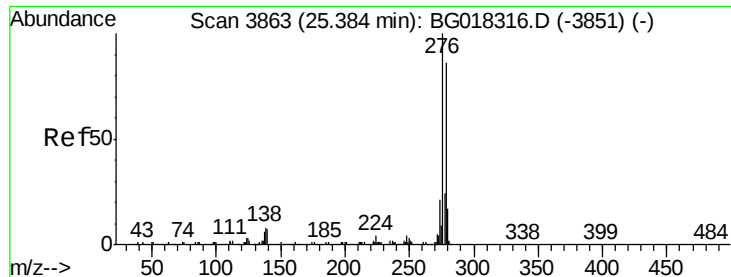
Delta R.T. 0.00 min

Lab File: BG018321.D

Acq: 8 Aug 2015 9:00

Tgt Ion:	252	Resp:	122334
Ion Ratio	Lower	Upper	
252	100		
253	22.8	17.2	25.8
125	2.7	2.8	4.2#





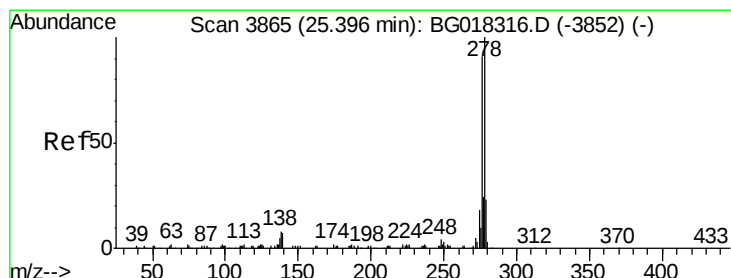
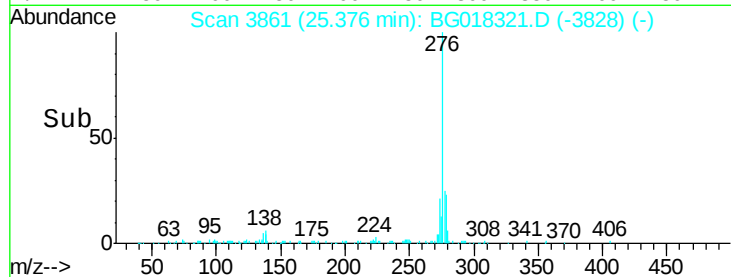
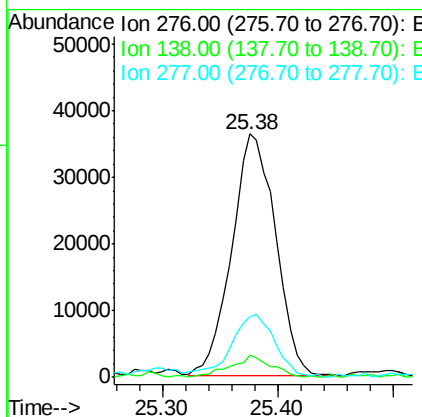
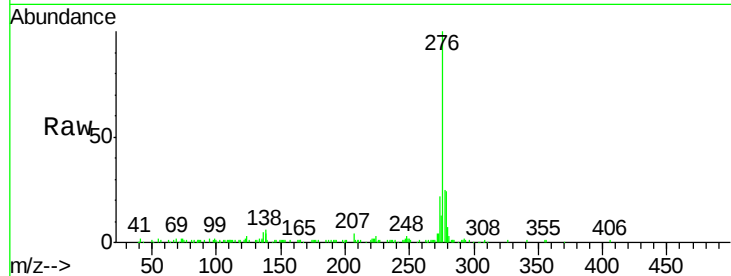
#92
 Indeno(1,2,3-cd)pyrene
 Concen: 16.30 ng/ul
 RT: 25.38 min Scan# 3861
 Delta R.T. -0.01 min
 Lab File: BG018321.D
 Acq: 8 Aug 2015 9:00

Instrument :
 BNA_G
 ClientSampleId :
 C01R8DL

Tot Ion	Ratio	Lower	Upper
276	100		
138	9.2	6.6	9.8
277	24.7	18.9	28.3

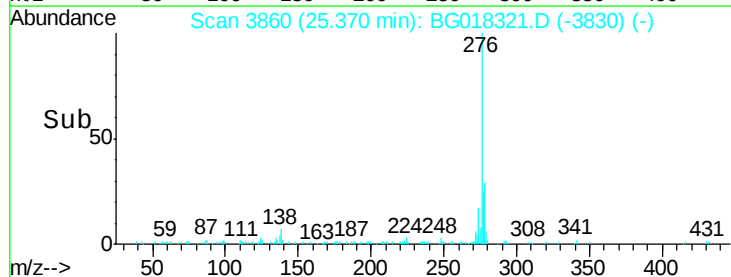
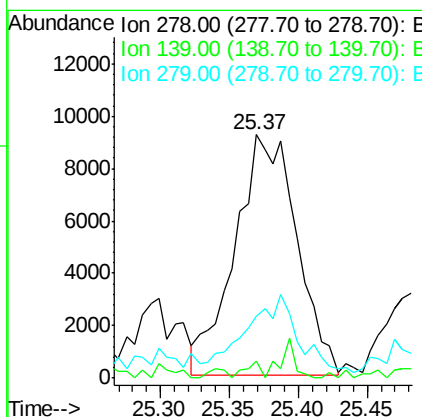
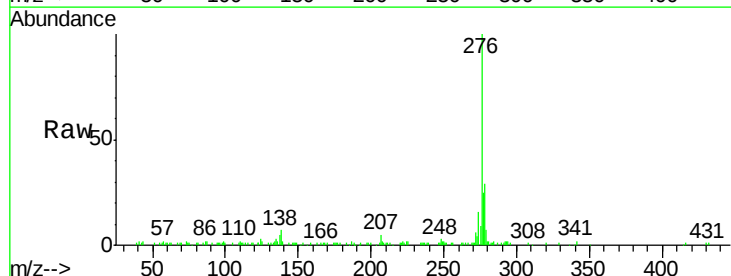
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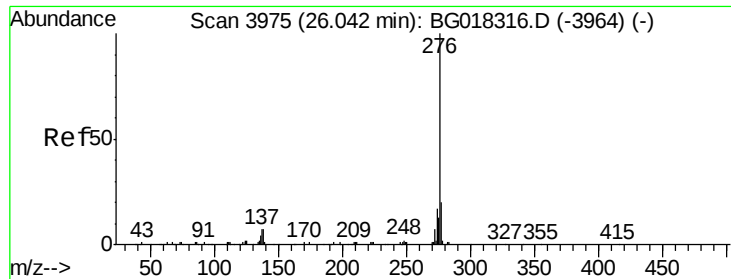
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#93
 Dibenzo(a,h)anthracene
 Concen: 5.57 ng/ul m
 RT: 25.37 min Scan# 3860
 Delta R.T. -0.03 min
 Lab File: BG018321.D
 Acq: 8 Aug 2015 9:00

Tgt Ion	Ratio	Lower	Upper
278	100		
139	5.3	5.4	8.0#
279	25.3	18.2	27.4





#94

Benzo(a,h,i)perylene

Concen: 18.74 ng/ul

RT: 26.05 min Scan# 3976

Delta R.T. 0.01 min

Lab File: BG018321.D

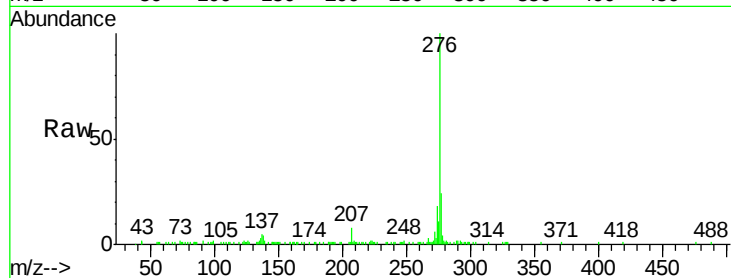
Acq: 8 Aug 2015 9:00

Instrument :

BNA_G

ClientSampleId :

C01R8DL



Tot Ion:	276	Resp:	89347
Ion Ratio	Lower	Upper	
276	100		
138	6.0	5.8	8.6
277	23.6	16.2	24.4

Manual Integrations
APPROVED

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