

Data Path : Z:\HPCHEM1\BNA G\DATA\BG080815\
 Data File : BG018323.D
 Acq On : 8 Aug 2015 10:09
 Operator : UM/TP
 Sample : G3095-12DL 10X
 Misc :
 ALS Vial : 35 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 C01S3DL

Manual Integrations
 APPROVED

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

Quant Time: Aug 10 04:24:17 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	7.41	152	14644	20.00	ng/ul	0.00
18) Naphthalene-d8	10.19	136	66152	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.09	164	45519	20.00	ng/ul	0.00
62) Phenanthrene-d10	16.85	188	106684	20.00	ng/ul	0.00
78) Chrysene-d12	21.07	240	85604	20.00	ng/ul	0.00
86) Perylene-d12	23.22	264	68123	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	6.61	99	1366	1.00	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	6.75	67	1170	1.50	ng/ul	0.00
9) 2-Chlorophenol-d4	6.96	132	1089m	0.97	ng/ul	0.02
13) 4-Methylphenol-d8	8.15	113	1227	1.06	ng/ul	0.00
19) Nitrobenzene-d5	8.56	128	298	0.50	ng/ul	0.00
22) 2-Nitrophenol-d4	9.29	143	838m	1.21	ng/ul	0.01
26) 2,4-Dichlorophenol-d3	9.84	165	1215	0.95	ng/ul	0.01
29) 4-Chloroaniline-d4	10.35	131	850	0.60	ng/ul	0.01
44) Dimethylphthalate-d6	13.51	166	5490	1.20	ng/ul	0.00
47) Acenaphthylene-d8	13.78	160	6156	1.21	ng/ul	0.00
52) 4-Nitrophenol-d4	0.00	143	0d	0.00	ng/ul	
58) Fluorene-d10	15.09	176	5474	1.36	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	0.00	200	0	0.00	ng/ul	
71) Anthracene-d10	16.95	188	7743m	1.35	ng/ul	0.00
79) Pyrene-d10	19.26	212	6283	1.27	ng/ul	0.00
90) Benzo(a)pyrene-d12	23.08	264	5293	1.20	ng/ul	0.00

Target Compounds

						Ovalue
28) Naphthalene	10.23	128	39130	10.31	ng/ul	95
34) 2-Methylnaphthalene	11.87	142	6480	2.16	ng/ul	99
50) Acenaphthene	14.15	153	36809	10.79	ng/ul	98
54) Dibenzofuran	14.50	168	19169	3.82	ng/ul	97
59) Fluorene	15.15	166	27067	6.21	ng/ul	91
70) Phenanthrene	16.90	178	281967	42.26	ng/ul	97
72) Anthracene	16.98	178	63939	9.53	ng/ul	98
75) Carbazole	17.27	167	29548	5.70	ng/ul#	89
77) Fluoranthene	18.93	202	351959	48.38	ng/ul	98
80) Pyrene	19.29	202	274314	43.96	ng/ul	98
83) Benzo(a)anthracene	21.05	228	130792	22.45	ng/ul	98
85) Chrysene	21.10	228	119199m	22.11	ng/ul	
88) Benzo(b)fluoranthene	22.58	252	145586	28.21	ng/ul	97
89) Benzo(k)fluoranthene	22.62	252	39614	8.03	ng/ul#	94
91) Benzo(a)pyrene	23.12	252	97107	20.89	ng/ul	98
92) Indeno(1,2,3-cd)pyrene	25.38	276	76226	13.43	ng/ul	99
93) Dibenzo(a,h)anthracene	25.39	278	21202m	4.29	ng/ul	
94) Benzo(g,h,i)perylene	26.03	276	71111m	15.38	ng/ul	

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

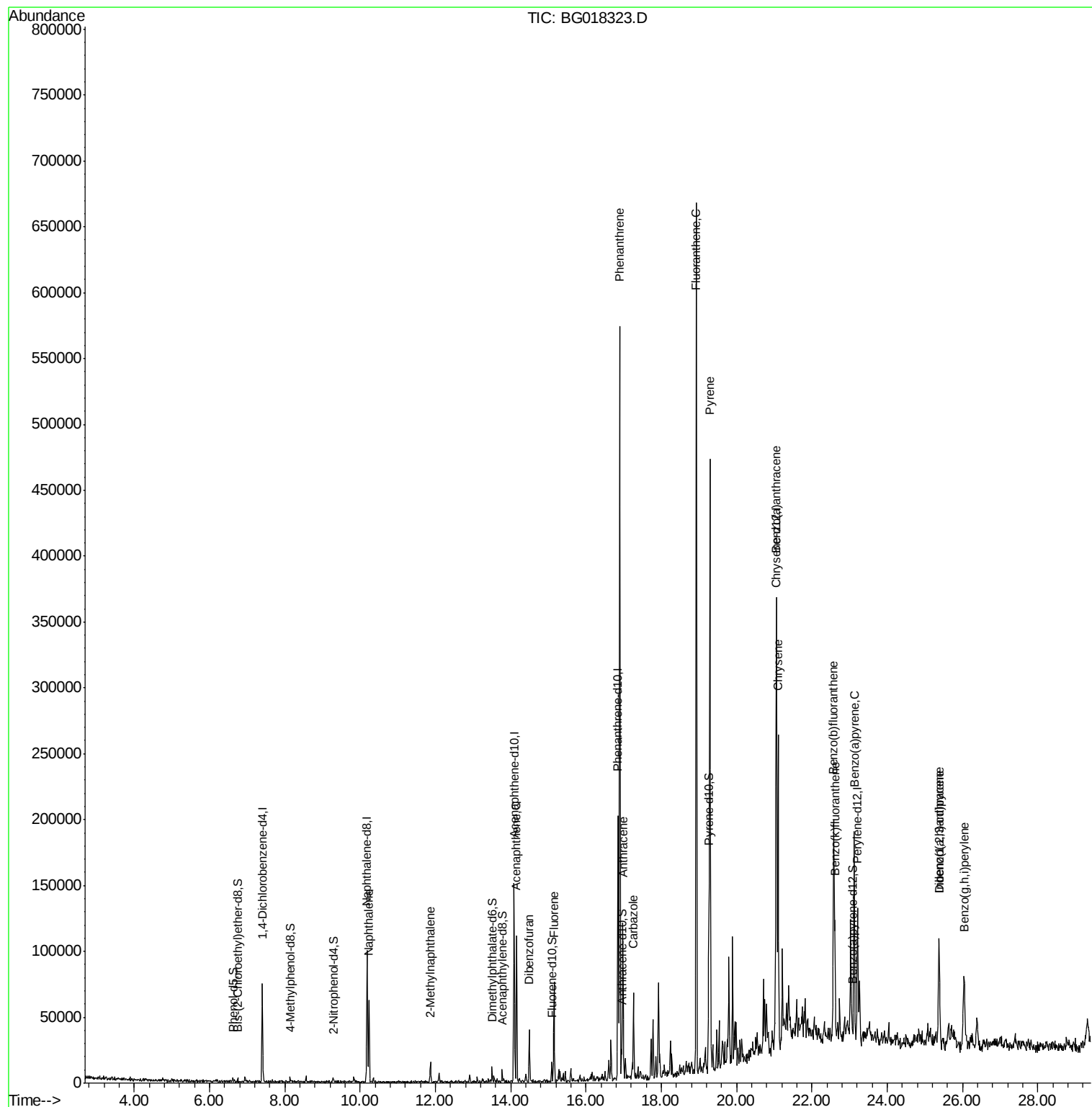
Data Path : Z:\HPCHEM1\BNA G\DATA\BG080815\
Data File : BG018323.D
Acq On : 8 Aug 2015 10:09
Operator : UM/TP
Sample : G3095-12DL 10X
Misc :
ALS Vial : 35 Sample Multiplier: 1

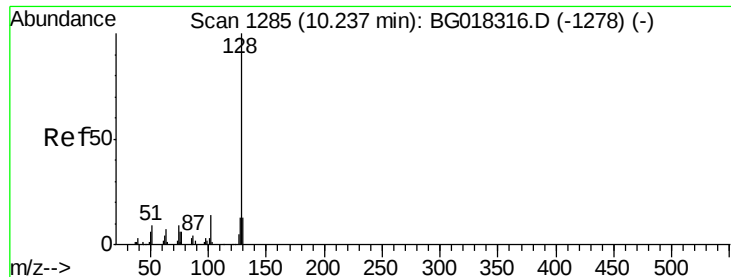
Instrument :
BNA_G
ClientSampleId :
C01S3DL

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Quant Time: Aug 10 04:24:17 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





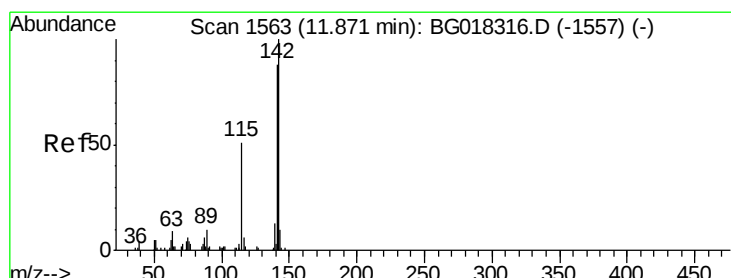
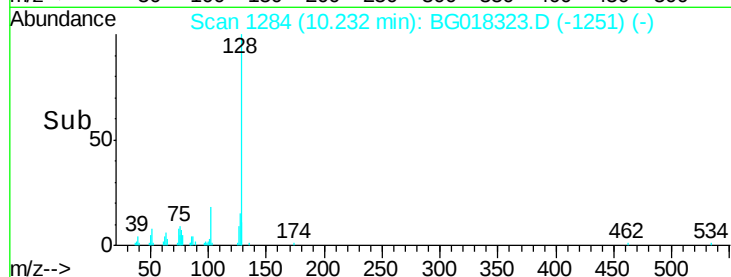
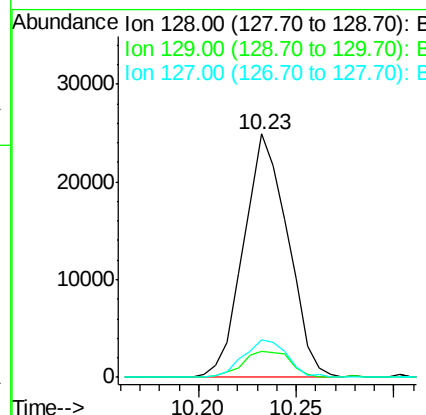
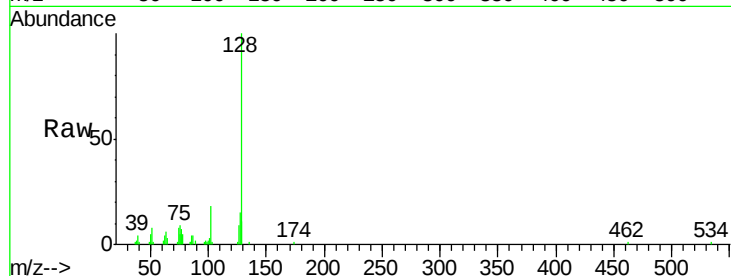
#28
Naphthalene
Concen: 10.31 ng/ul
RT: 10.23 min Scan# 1284
Delta R.T. -0.01 min
Lab File: BG018323.D
Acq: 8 Aug 2015 10:09

Instrument :
BNA_G
ClientSampleId :
C01S3DL

Tot Ion	Ratio	Lower	Upper
128	100		
129	10.9	10.2	15.2
127	15.3	10.8	16.2

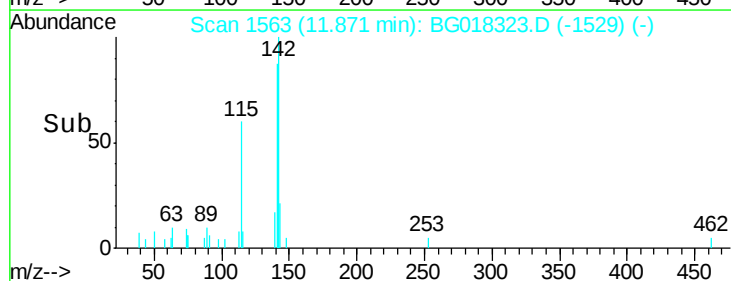
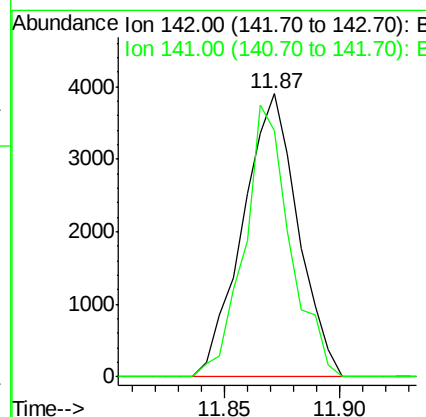
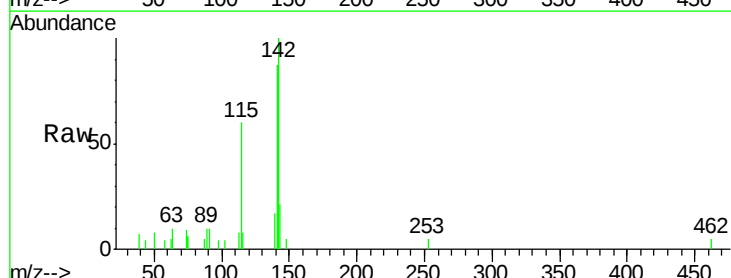
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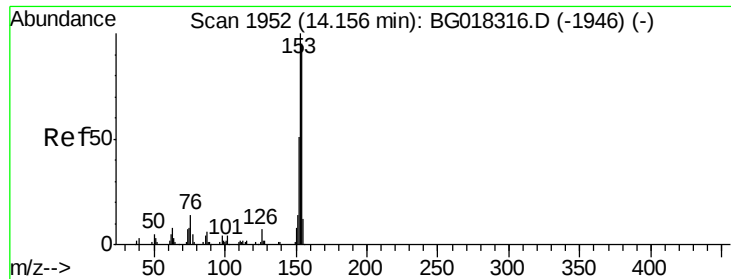
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#34
2-Methylnaphthalene
Concen: 2.16 ng/ul
RT: 11.87 min Scan# 1563
Delta R.T. 0.00 min
Lab File: BG018323.D
Acq: 8 Aug 2015 10:09

Tgt Ion	Ratio	Lower	Upper
142	100		
141	87.1	70.4	105.6





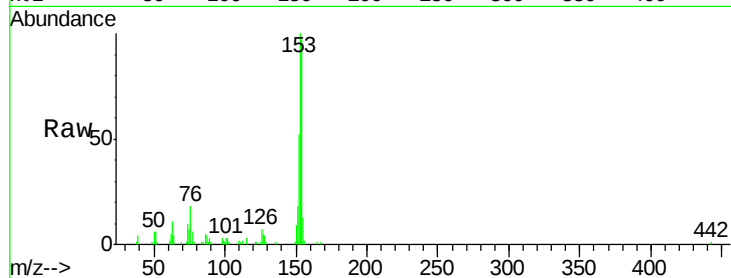
#50
Acenaphthene
Concen: 10.79 ng/ul
RT: 14.15 min Scan# 1951
Delta R.T. -0.01 min
Lab File: BG018323.D
Acq: 8 Aug 2015 10:09

Instrument :
BNA_G
ClientSampleId :
C01S3DL

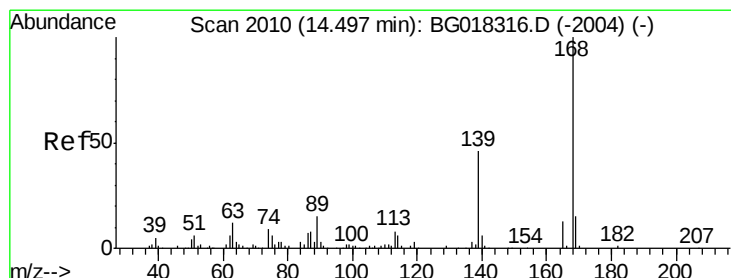
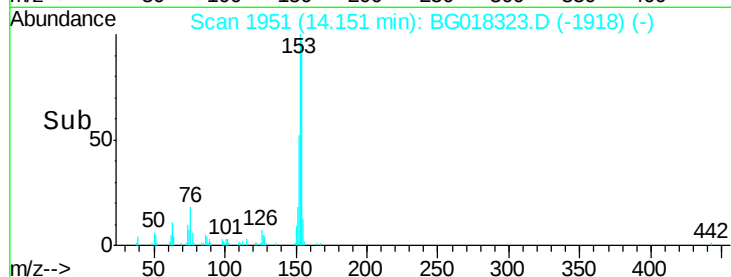
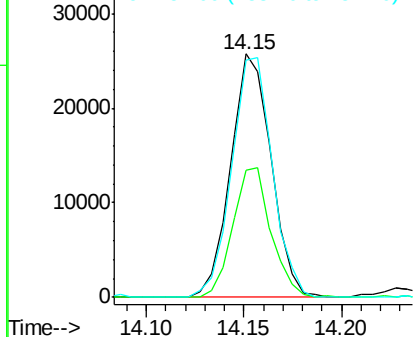
Tot Ion	Ratio	Lower	Upper
153	100		
152	52.1	41.1	61.7
154	97.3	76.2	114.2

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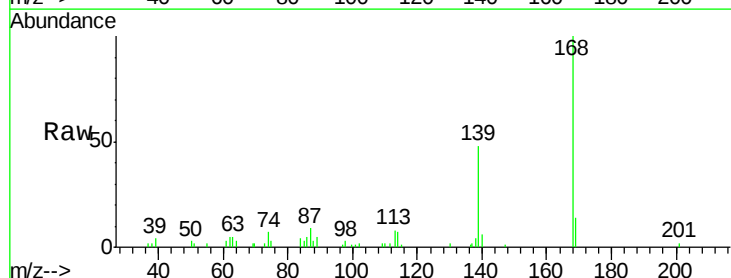


Abundance Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E
Ion 154.00 (153.70 to 154.70): E

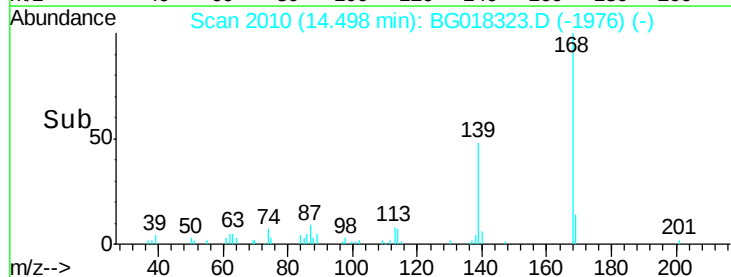
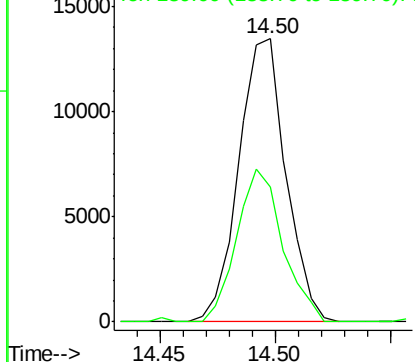


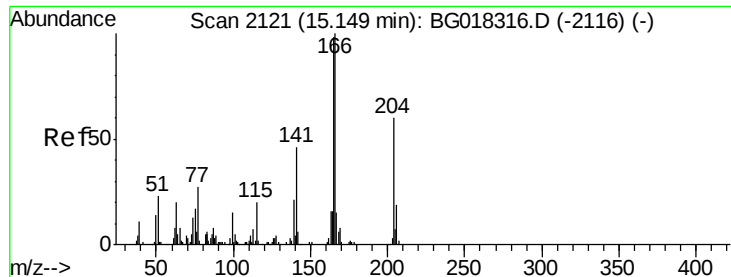
#54
Dibenzofuran
Concen: 3.82 ng/ul
RT: 14.50 min Scan# 2010
Delta R.T. 0.00 min
Lab File: BG018323.D
Acq: 8 Aug 2015 10:09

Tgt Ion	Ratio	Lower	Upper
168	100		
139	47.6	36.6	55.0



Abundance Ion 168.00 (167.70 to 168.70): E
Ion 139.00 (138.70 to 139.70): E





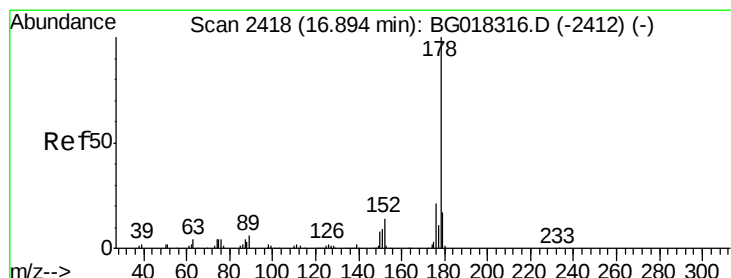
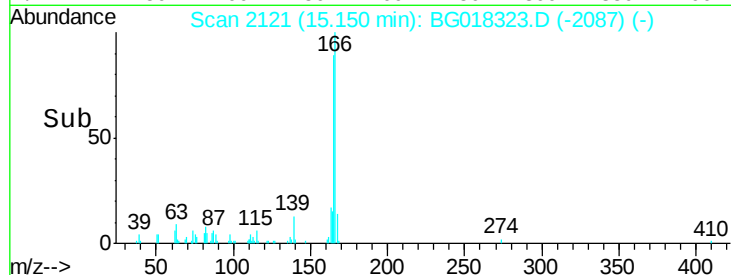
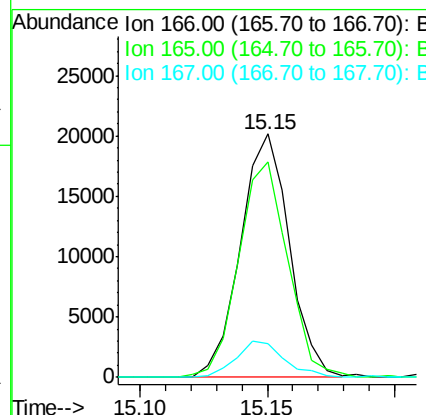
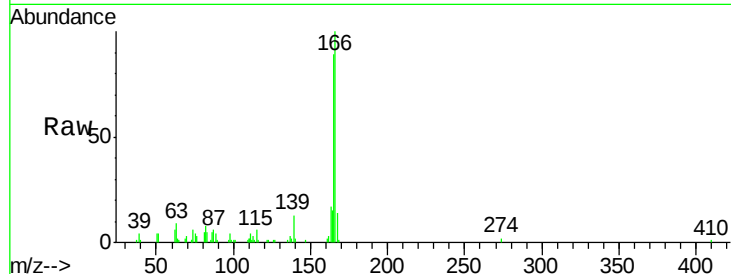
#59
Fluorene
 Concen: 6.21 ng/ul
 RT: 15.15 min Scan# 2121
 Delta R.T. 0.00 min
 Lab File: BG018323.D
 Acq: 8 Aug 2015 10:09

Instrument :
 BNA_G
 ClientSampleId :
 C01S3DL

Tot Ion	Ion	Ratio	Resp	Lower	Upper
166	100		27067		
165	88.6		78.5	117.7	
167	14.0		11.9	17.9	

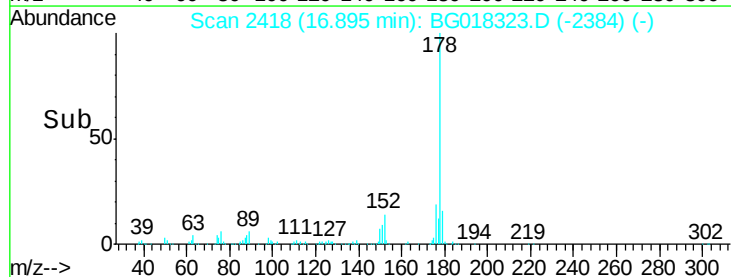
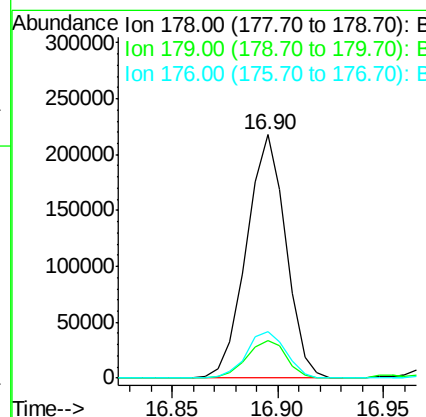
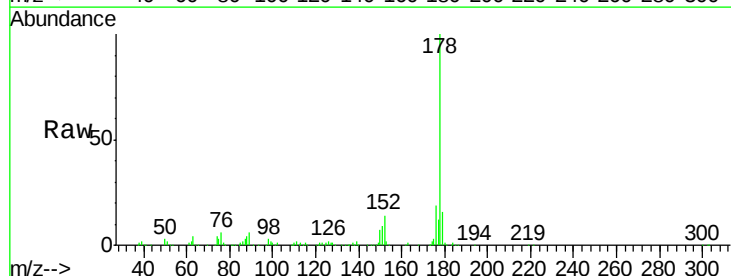
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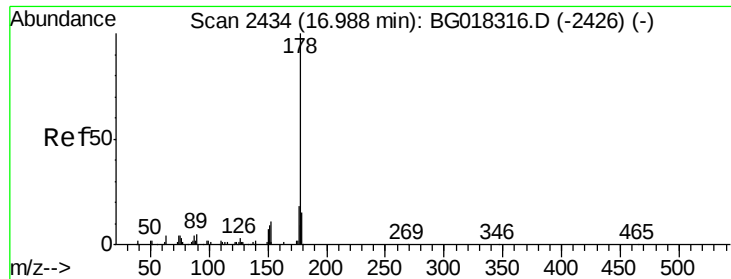
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#70
Phenanthrene
 Concen: 42.26 ng/ul
 RT: 16.90 min Scan# 2418
 Delta R.T. 0.00 min
 Lab File: BG018323.D
 Acq: 8 Aug 2015 10:09

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
178	100		281967		
179	15.5		13.4	20.2	
176	19.2		16.7	25.1	





#72

Anthracene

Concen: 9.53 ng/ul

RT: 16.98 min Scan# 2433

Delta R.T. -0.01 min

Lab File: BG018323.D

Acq: 8 Aug 2015 10:09

Instrument :

BNA_G

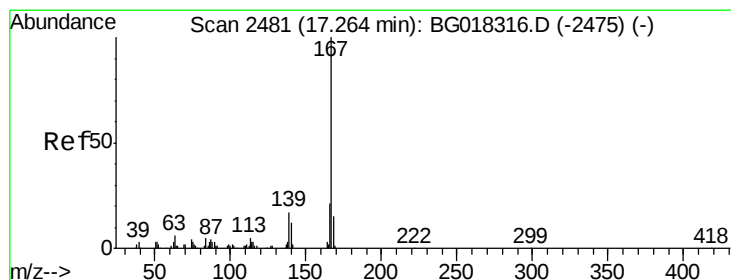
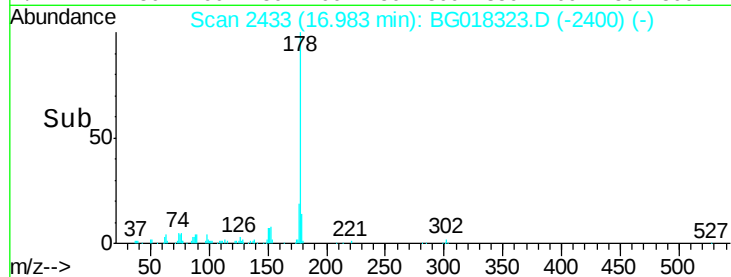
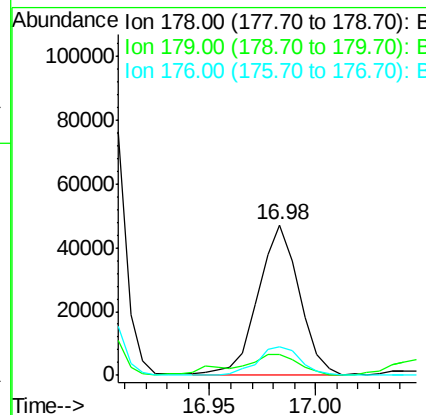
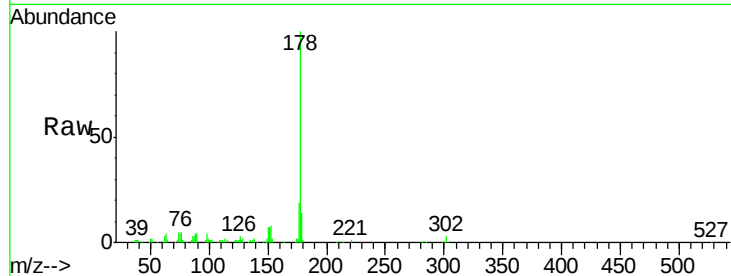
ClientSampleId :

C01S3DL

Tot Ion:	178	Resp:	63939
Ion Ratio	Lower	Upper	
178	100		
179	13.9	11.8	17.8
176	18.8	14.7	22.1

Manual Integrations
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#75

Carbazole

Concen: 5.70 ng/ul

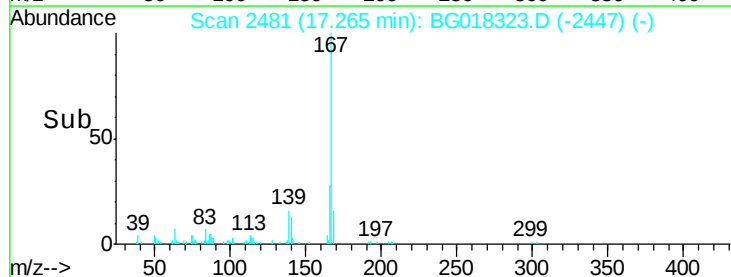
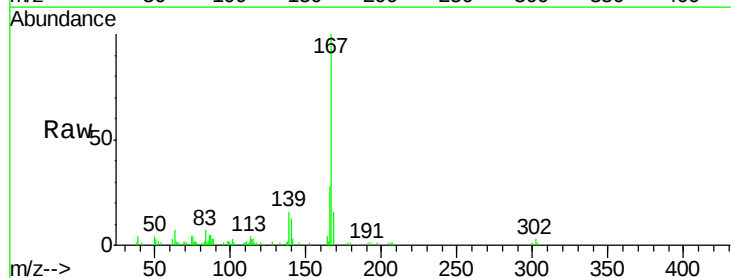
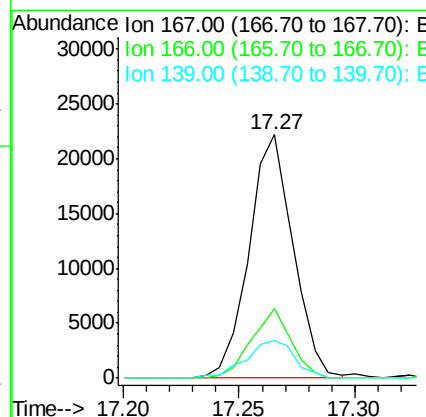
RT: 17.27 min Scan# 2481

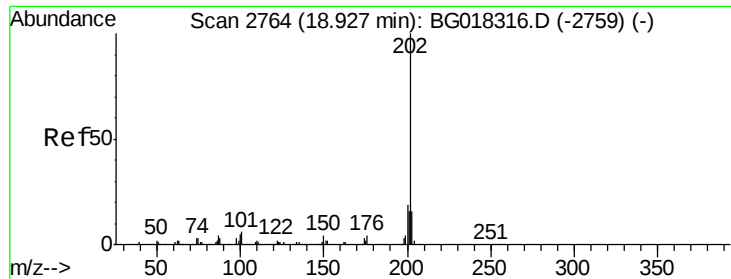
Delta R.T. 0.00 min

Lab File: BG018323.D

Acq: 8 Aug 2015 10:09

Tgt Ion:	167	Resp:	29548
Ion Ratio	Lower	Upper	
167	100		
166	28.5	16.5	24.7#
139	15.6	13.4	20.2





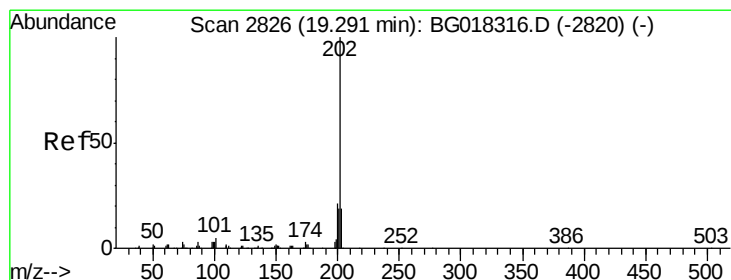
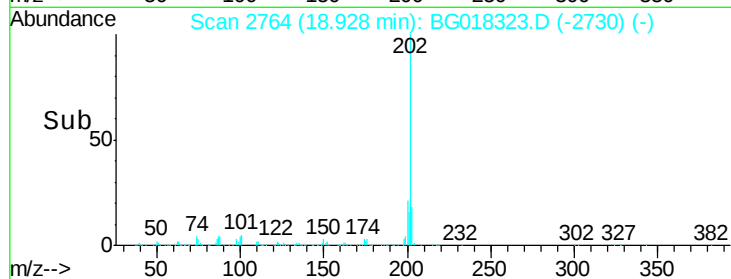
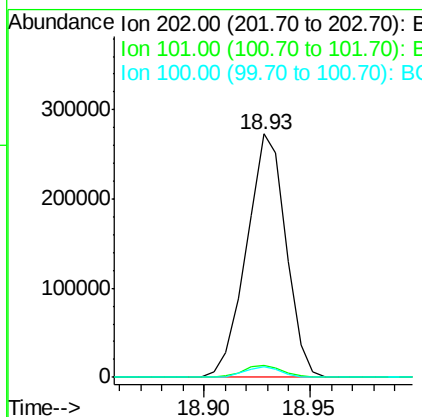
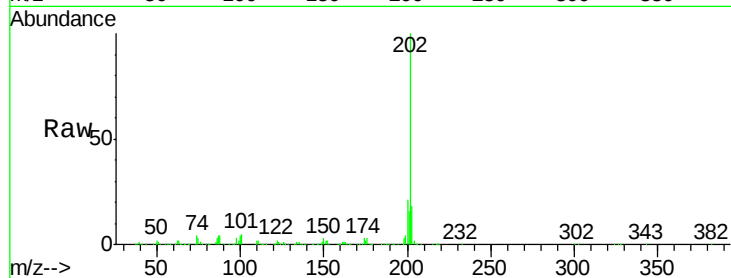
#77
Fluoranthene
 Concen: 48.38 ng/ul
 RT: 18.93 min Scan# 2764
 Delta R.T. 0.00 min
 Lab File: BG018323.D
 Acq: 8 Aug 2015 10:09

Instrument :
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 ClientSampleId :
 C01S3DL

Tot Ion:	202	Resp:	351959
Ion Ratio	Lower	Upper	
202	100		
101	4.7	4.5	6.7
100	4.4	3.9	5.9

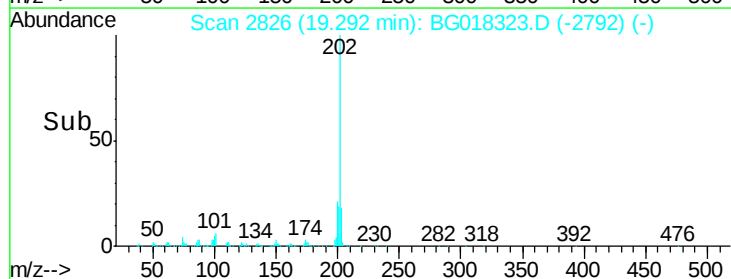
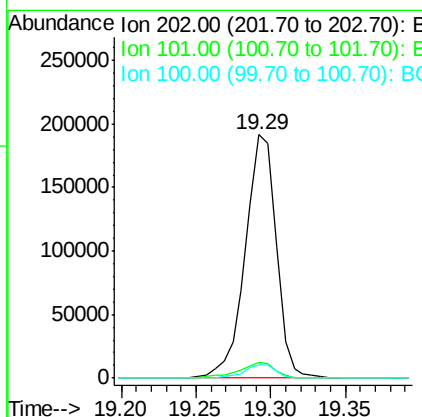
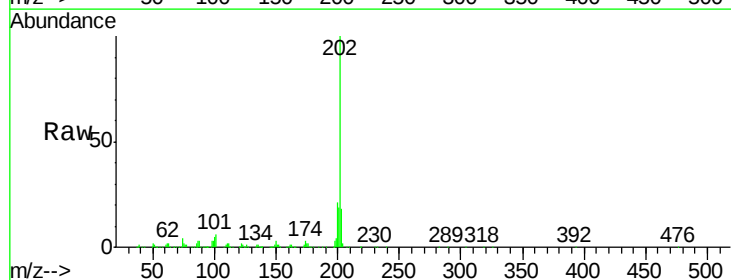
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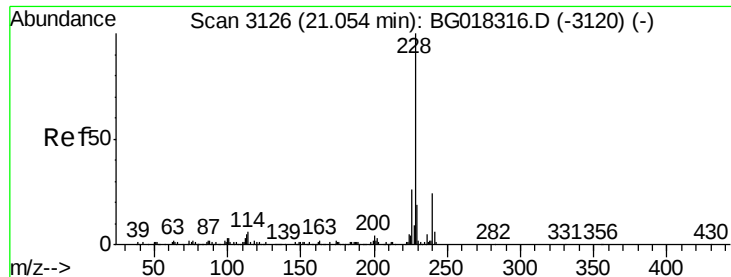
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#80
Pyrene
 Concen: 43.96 ng/ul
 RT: 19.29 min Scan# 2826
 Delta R.T. 0.00 min
 Lab File: BG018323.D
 Acq: 8 Aug 2015 10:09

Tgt Ion:	202	Resp:	274314
Ion Ratio	Lower	Upper	
202	100		
101	6.3	4.4	6.6
100	5.5	3.8	5.8





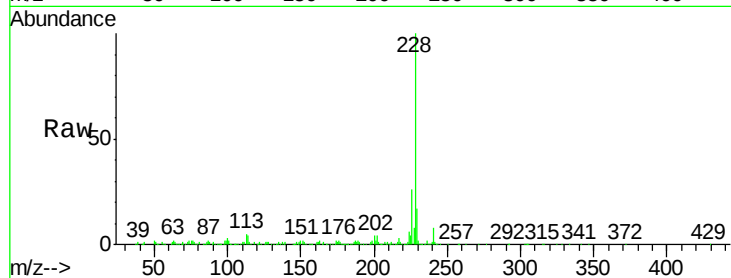
#83
Benzo(a)anthracene
Concen: 22.45 ng/ul
RT: 21.05 min Scan# 3125
Delta R.T. -0.01 min
Lab File: BG018323.D
Acq: 8 Aug 2015 10:09

Instrument :
BNA_G
ClientSampleId :
C01S3DL

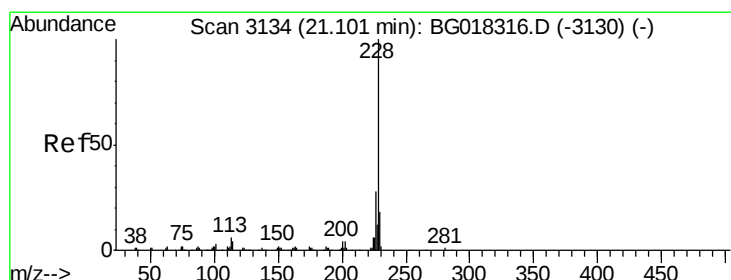
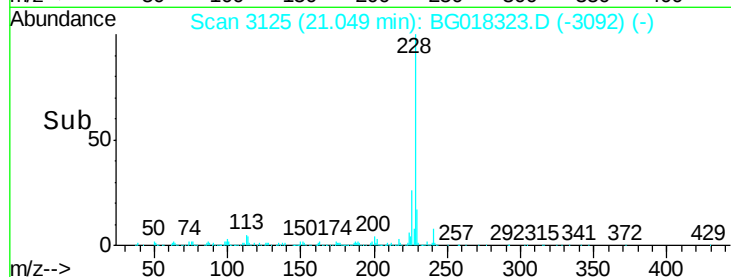
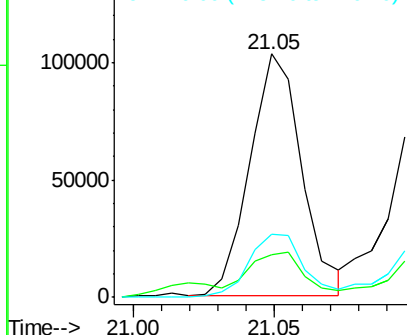
Tot Ion	Ratio	Resp	Lower	Upper
228	100	130792		
229	17.3		15.4	23.2
226	25.8		20.9	31.3

Manual Integrations
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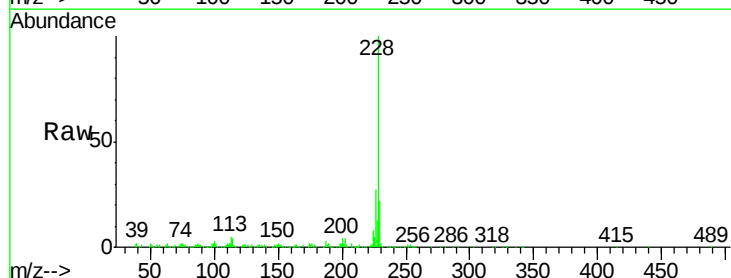


Abundance Ion 228.00 (227.70 to 228.70): E
Ion 229.00 (228.70 to 229.70): E
Ion 226.00 (225.70 to 226.70): E

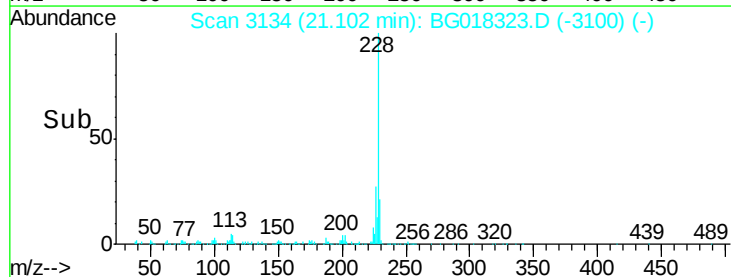
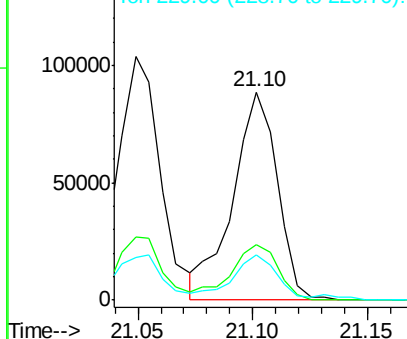


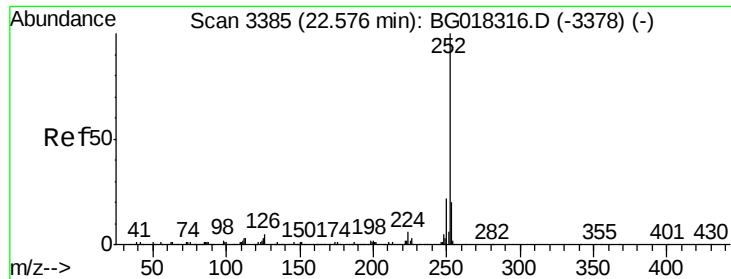
#85
Chrysene
Concen: 22.11 ng/ul m
RT: 21.10 min Scan# 3134
Delta R.T. 0.00 min
Lab File: BG018323.D
Acq: 8 Aug 2015 10:09

Tgt Ion	Ratio	Resp	Lower	Upper
228	100	119199		
226	26.6		22.6	33.8
229	21.6		14.2	21.2#



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





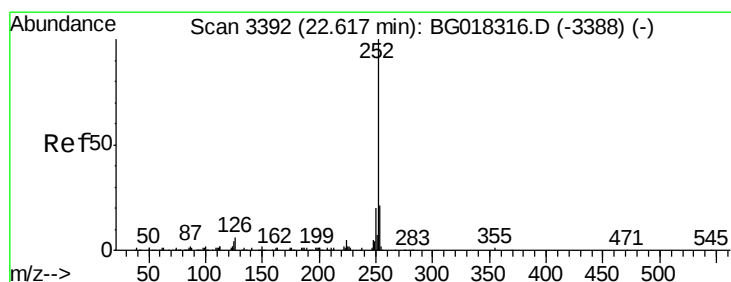
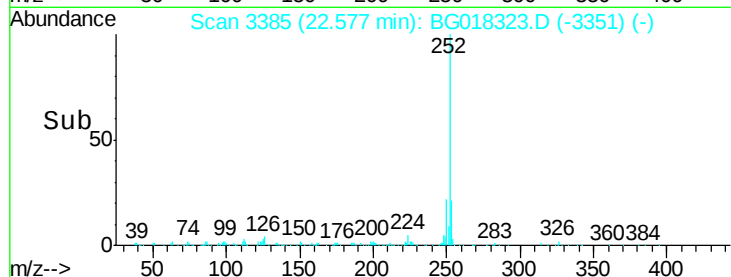
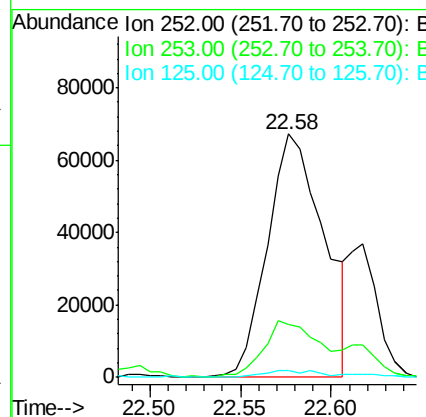
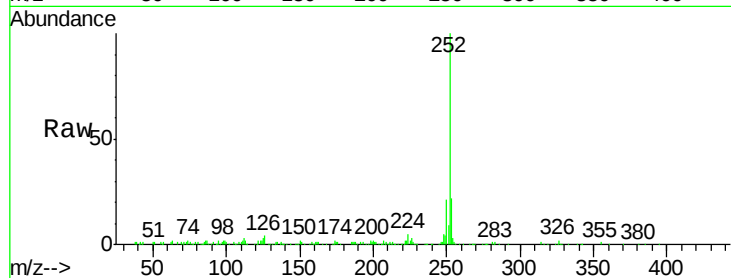
#88
Benzo(b)fluoranthene
Concen: 28.21 ng/ul
RT: 22.58 min Scan# 3385
Delta R.T. 0.00 min
Lab File: BG018323.D
Acq: 8 Aug 2015 10:09

Instrument :
BNA_G
ClientSampleId :
C01S3DL

Tot Ion	Ratio	Lower	Upper
252	100		
253	21.8	16.2	24.4
125	2.6	2.4	3.6

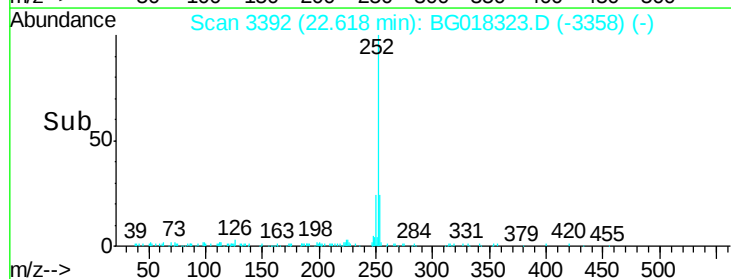
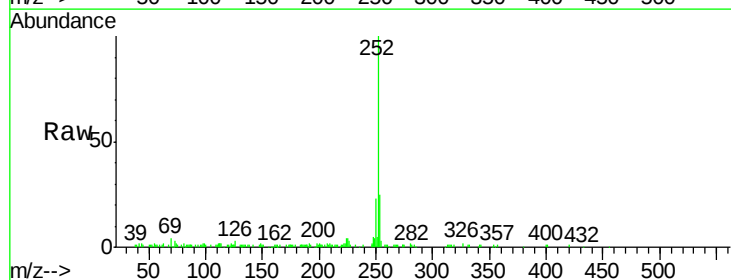
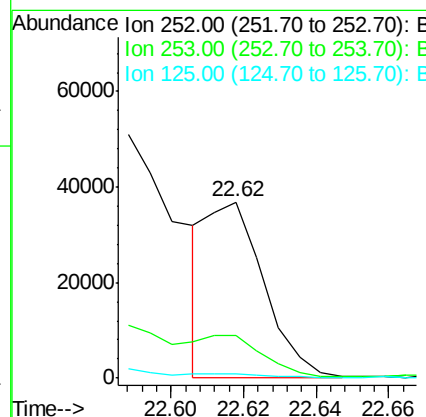
Manual Integrations
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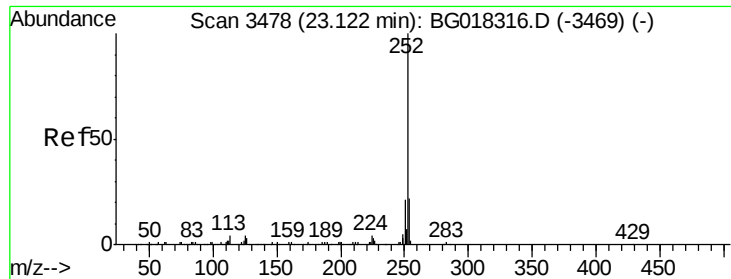
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8/10/2015 7:23:23 PM



#89
Benzo(k)fluoranthene
Concen: 8.03 ng/ul
RT: 22.62 min Scan# 3392
Delta R.T. 0.00 min
Lab File: BG018323.D
Acq: 8 Aug 2015 10:09

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.5	17.4	26.0
125	2.3	3.3	4.9





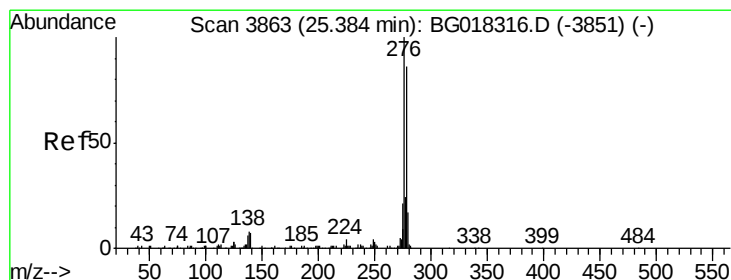
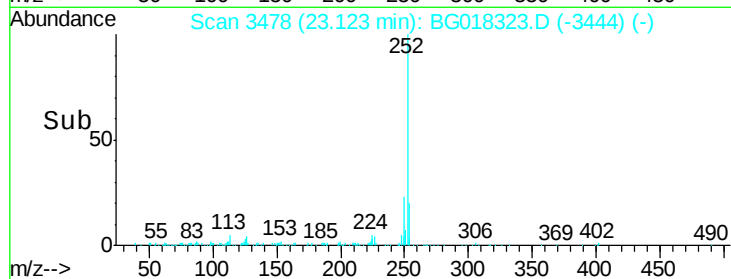
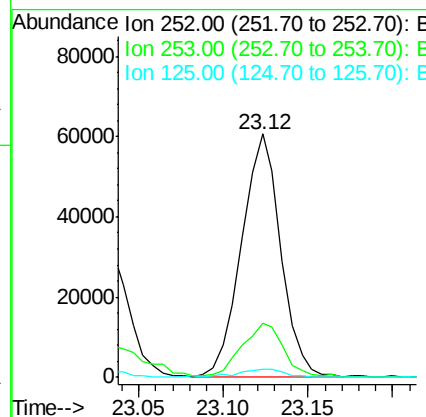
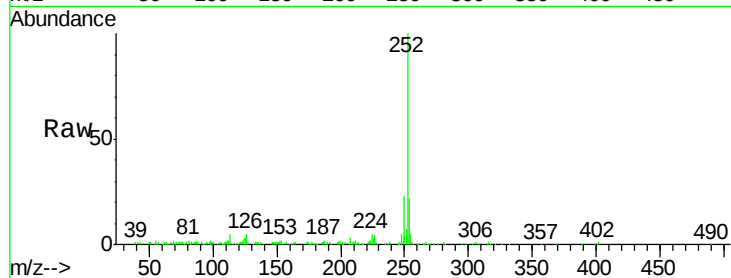
#91
Benzo(a)pyrene
Concen: 20.89 ng/ul
RT: 23.12 min Scan# 3478
Delta R.T. 0.00 min
Lab File: BG018323.D
Acq: 8 Aug 2015 10:09

Instrument :
BNA_G
ClientSampleId :
C01S3DL

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.4	17.2	25.8
125	3.2	2.8	4.2

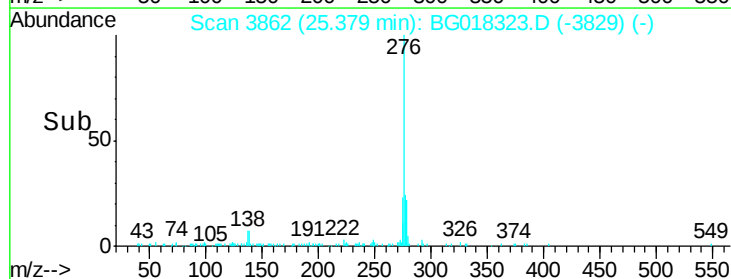
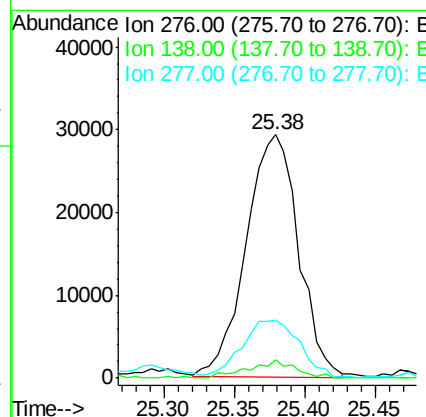
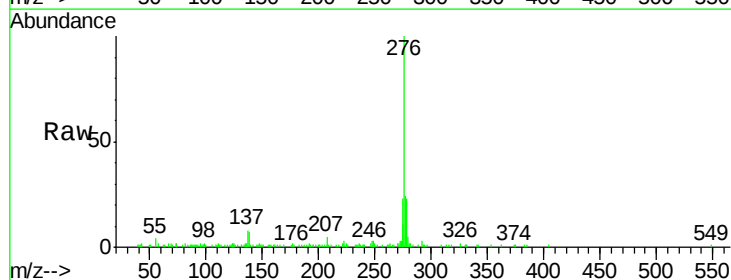
Manual Integrations
APPROVED

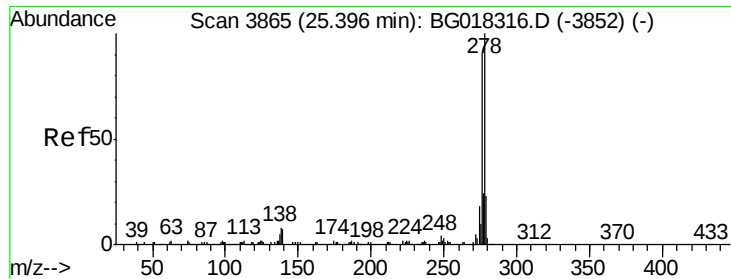
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8/10/2015 7:23:23 PM



#92
Indeno(1,2,3-cd)pyrene
Concen: 13.43 ng/ul
RT: 25.38 min Scan# 3862
Delta R.T. -0.01 min
Lab File: BG018323.D
Acq: 8 Aug 2015 10:09

Tgt Ion	Ratio	Lower	Upper
276	100		
138	7.4	6.6	9.8
277	23.9	18.9	28.3





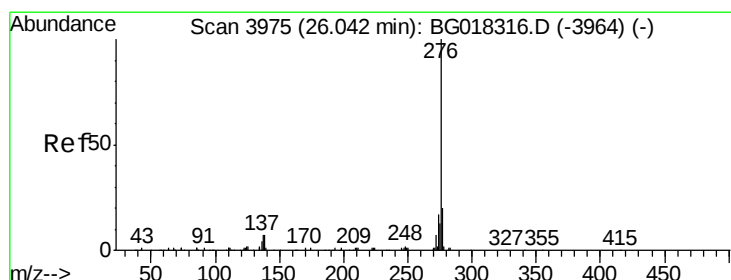
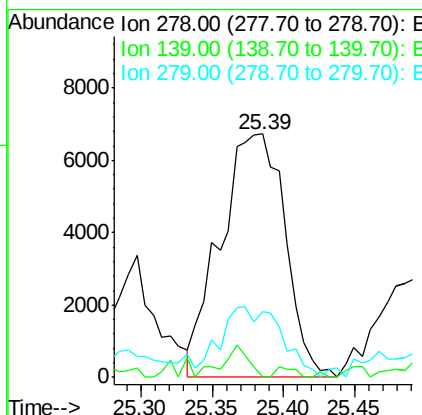
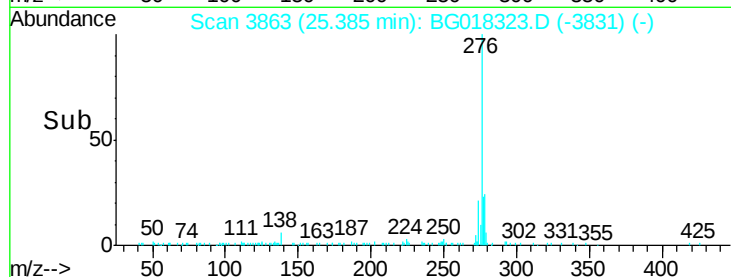
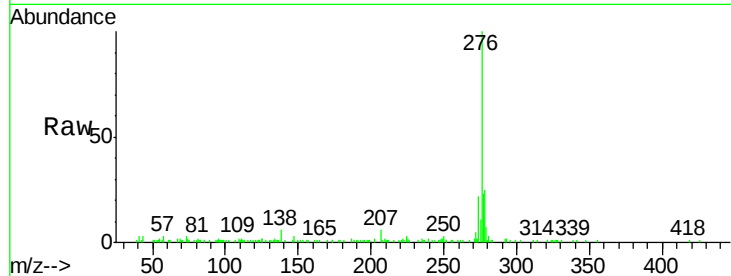
#93
 Dibenzo(a,h)anthracene
 Concen: 4.29 ng/ul m
 RT: 25.39 min Scan# 3863
 Delta R.T. -0.01 min
 Lab File: BG018323.D
 Acq: 8 Aug 2015 10:09

Instrument :
 BNA_G
 ClientSampleId :
 C01S3DL

Tot Ion	Ratio	Lower	Upper
278	100		
139	0.0	5.4	8.0#
279	26.7	18.2	27.4

Manual Integrations
 APPROVED

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 8/10/2015 7:23:23 PM



#94
 Benzo(g,h,i)perylene
 Concen: 15.38 ng/ul m
 RT: 26.03 min Scan# 3973
 Delta R.T. -0.01 min
 Lab File: BG018323.D
 Acq: 8 Aug 2015 10:09

Tgt Ion	Ratio	Lower	Upper
276	100		
138	5.6	5.8	8.6#
277	22.3	16.2	24.4

