

Data Path : Z:\HPCHEM1\BNA G\DATA\BG080915\
 Data File : BG018348.D
 Acq On : 10 Aug 2015 3:21
 Operator : UM/TP
 Sample : G3136-23
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 C01J7

Manual Integrations
 APPROVED

MMDadoda
 8/10/2015 7:27:10 PM

Quant Time: Aug 10 08:36:30 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	142279	20.00	ng/ul	0.01
18) Naphthalene-d8	10.89	136	659872	20.00	ng/ul	0.02
36) Acenaphthene-d10	14.70	164	389255	20.00	ng/ul	0.02
62) Phenanthrene-d10	17.44	188	792196	20.00	ng/ul	0.02
78) Chrysene-d12	21.72	240	677312	20.00	ng/ul	0.02
86) Perylene-d12	24.98	264	686646	20.00	ng/ul	0.05

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.53	96	5725m	1.78	ng/uL	0.00
5) Phenol-d5	7.23	99	137689	10.66	ng/ul	0.02
7) Bis-(2-Chloroethyl)ether-d	7.40	67	85154	10.64	ng/ul	0.00
9) 2-Chlorophenol-d4	7.61	132	108671	10.99	ng/ul	0.01
13) 4-Methylphenol-d8	8.77	113	113649	10.47	ng/ul	0.01
19) Nitrobenzene-d5	9.23	128	53950	10.49	ng/ul	0.00
22) 2-Nitrophenol-d4	9.95	143	55101	10.52	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.50	165	111233	10.00	ng/ul	0.01
29) 4-Chloroaniline-d4	11.01	131	133113	10.59	ng/ul	0.00
44) Dimethylphthalate-d6	14.10	166	322981	9.86	ng/ul	0.01
47) Acenaphthylene-d8	14.40	160	356662	8.65	ng/ul	0.02
52) 4-Nitrophenol-d4	14.88	143	28596	4.85	ng/ul	0.02
58) Fluorene-d10	15.69	176	237243	8.32	ng/ul	0.01
63) 4,6-Dinitro-2-methylphenol	0.00	200	0d	0.00	ng/ul	
71) Anthracene-d10	17.54	188	327696	8.65	ng/ul	0.02
79) Pyrene-d10	19.82	212	322702	9.18	ng/ul	0.01
90) Benzo(a)pyrene-d12	24.75	264	334328	9.17	ng/ul	0.05

Target Compounds

					Ovalue	
28) Naphthalene	10.93	128	48978	1.40	ng/ul#	85
34) 2-Methylnaphthalene	12.54	142	274363	10.86	ng/ul	98
35) 1-Methylnaphthalene	12.75	142	303570	12.31	ng/ul	97
45) Dimethylphthalate	14.15	163	192105	5.95	ng/ul#	97
48) Acenaphthylene	14.42	152	119915	2.90	ng/ul#	73
50) Acenaphthene	14.77	153	70665	2.44	ng/ul	95
59) Fluorene	15.75	166	101803	3.12	ng/ul#	93
70) Phenanthrene	17.49	178	1029422	23.95	ng/ul	97
72) Anthracene	17.57	178	166161m	3.79	ng/ul	
75) Carbazole	17.84	167	81301	2.12	ng/ul#	78
77) Fluoranthene	19.50	202	2447042m	53.31	ng/ul	
80) Pyrene	19.86	202	2311683	50.48	ng/ul#	93
83) Benzo(a)anthracene	21.70	228	1631729	38.86	ng/ul#	90
85) Chrysene	21.77	228	1615144	41.13	ng/ul	95
88) Benzo(b)fluoranthene	23.95	252	2320007	53.77	ng/ul#	95
89) Benzo(k)fluoranthene	24.01	252	771575m	18.57	ng/ul	
91) Benzo(a)pyrene	24.84	252	1682764	41.02	ng/ul	98
92) Indeno(1,2,3-cd)pyrene	28.71	276	1120479	23.61	ng/ul	97
93) Dibenzo(a,h)anthracene	28.74	278	294696m	7.47	ng/ul	
94) Benzo(g,h,i)perylene	29.87	276	841458	21.11	ng/ul	97

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

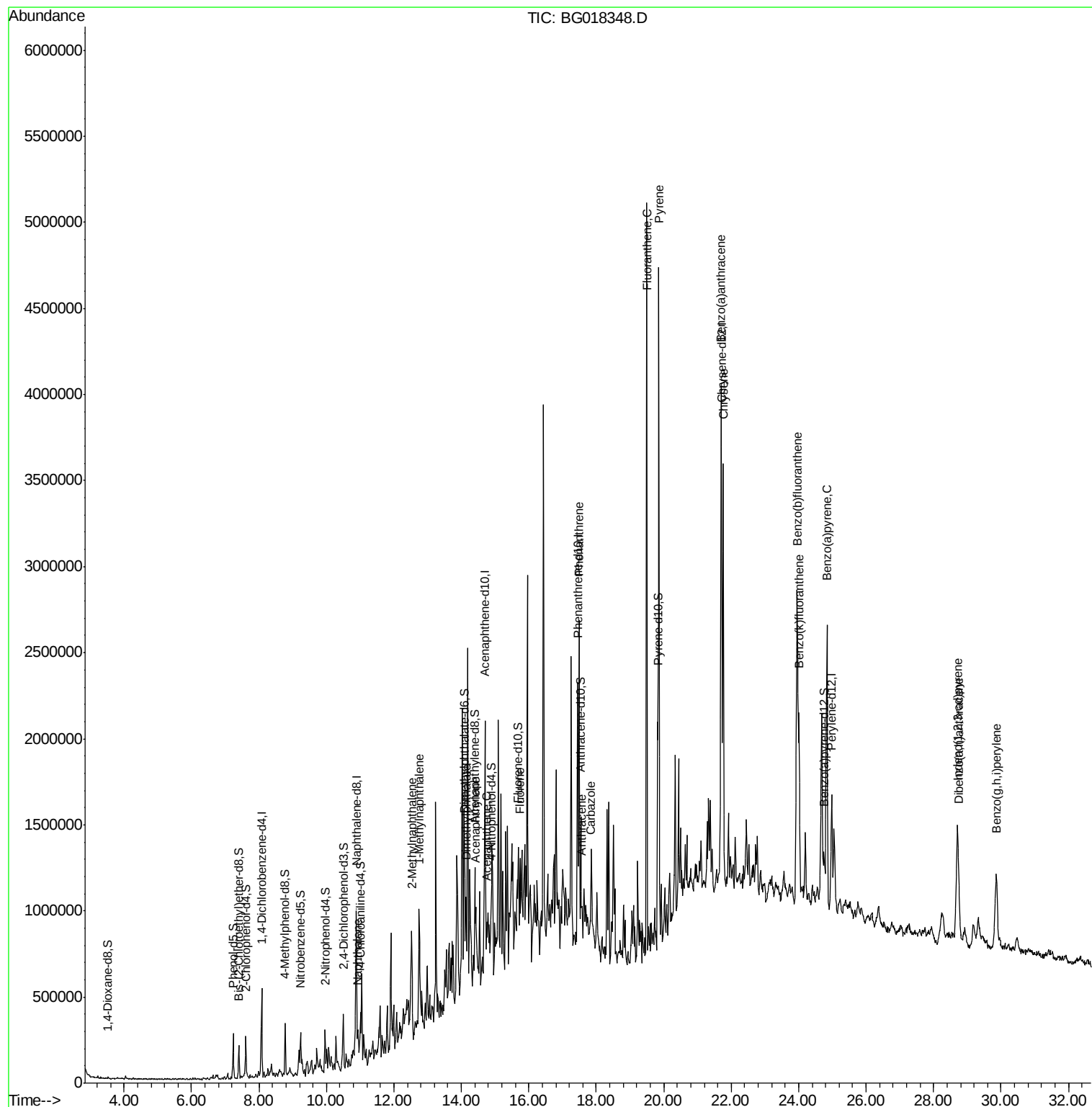
Data Path : Z:\HPCHEM1\BNA G\DATA\BG080915\
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ALS Vial : 22 Sample Multiplier: 1

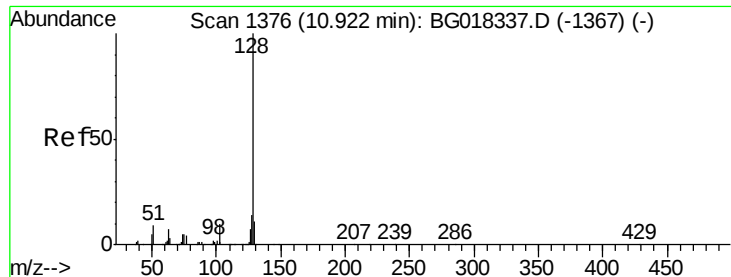
Instrument :
BNA_G
ClientSampleId :
C01J7

Manual Integrations
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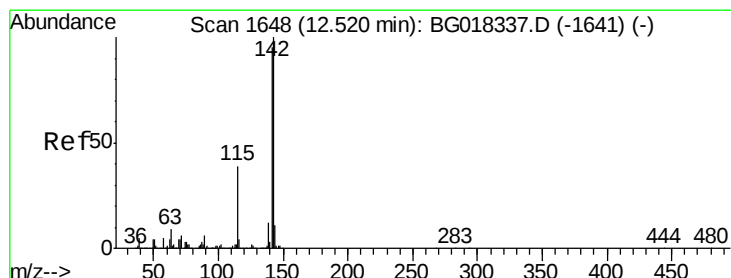
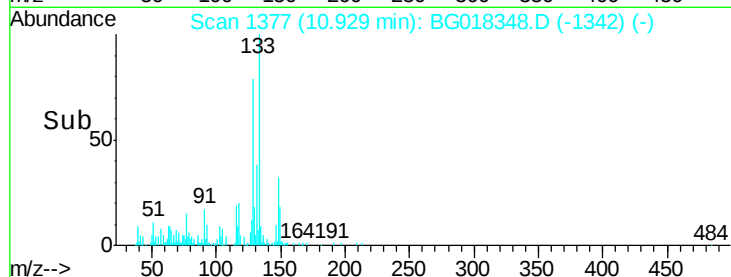
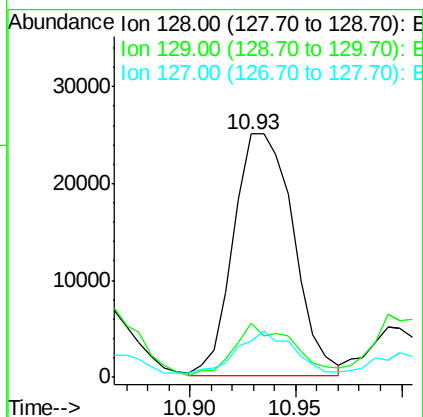
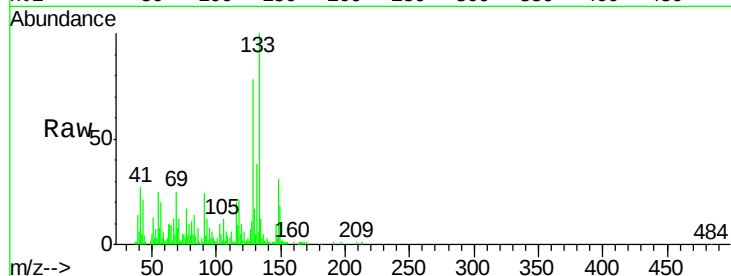
#28
Naphthalene
Concen: 1.40 ng/ul
RT: 10.93 min Scan# 1377
Delta R.T. 0.01 min
Lab File: BG018348.D
Acq: 10 Aug 2015 3:21

Instrument :
BNA_G
ClientSampleId :
C01J7

Tot Ion	Ratio	Resp	Lower	Upper
128	100	48978		
129	22.5	9.6	14.4#	
127	14.7	10.5	15.7	

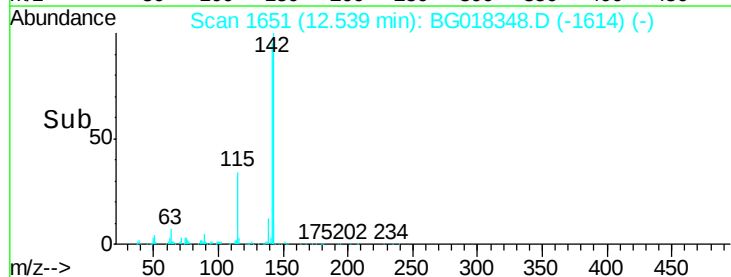
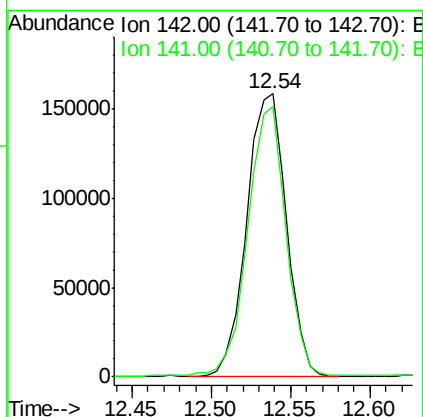
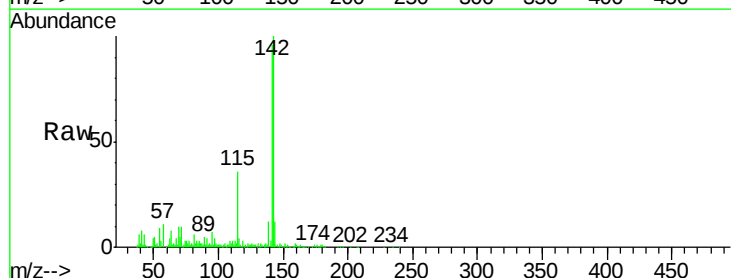
Manual Integrations
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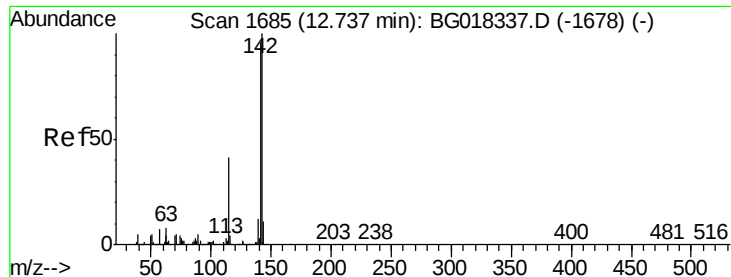
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#34
2-Methylnaphthalene
Concen: 10.86 ng/ul
RT: 12.54 min Scan# 1651
Delta R.T. 0.02 min
Lab File: BG018348.D
Acq: 10 Aug 2015 3:21

Tgt Ion	Ratio	Resp	Lower	Upper
142	100	274363		
141	95.6	78.0	117.0	





#35

1-Methylnaphthalene

Concen: 12.31 ng/ul

RT: 12.75 min Scan# 1687

Delta R.T. 0.01 min

Lab File: BG018348.D

Acq: 10 Aug 2015 3:21

Instrument :

BNA_G

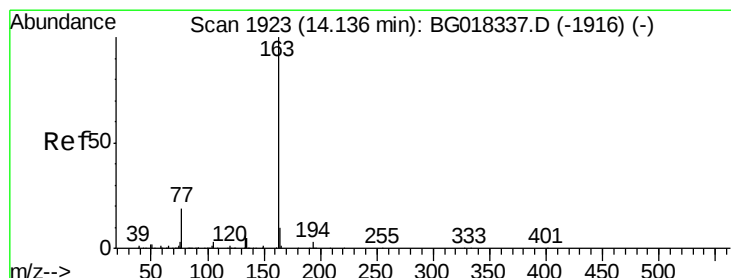
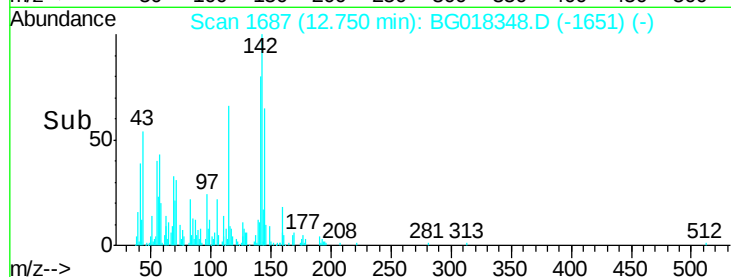
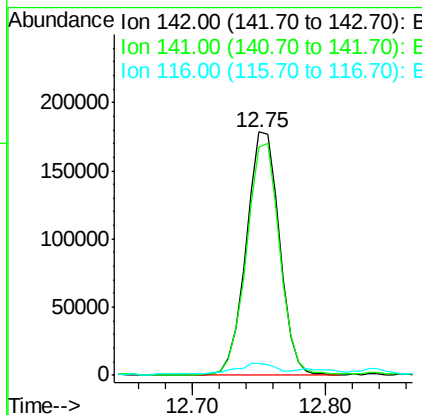
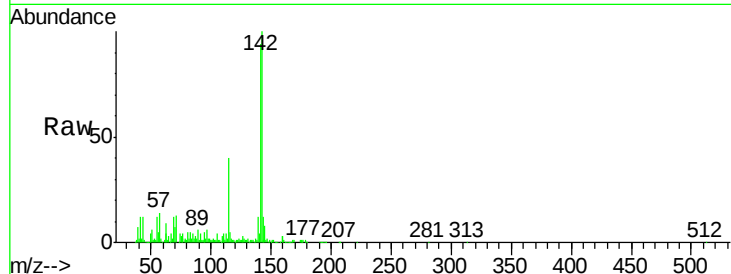
ClientSampleId :

C01J7

Tot Ion:	142	Resp:	303570
Ion Ratio	Lower	Upper	
142	100		
141	93.9	77.1	115.7
116	4.7	3.5	5.3

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#45

Dimethylphthalate

Concen: 5.95 ng/ul

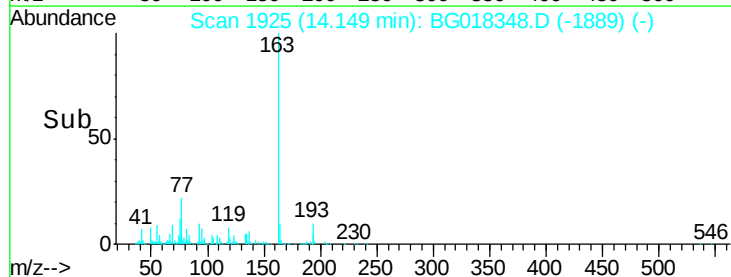
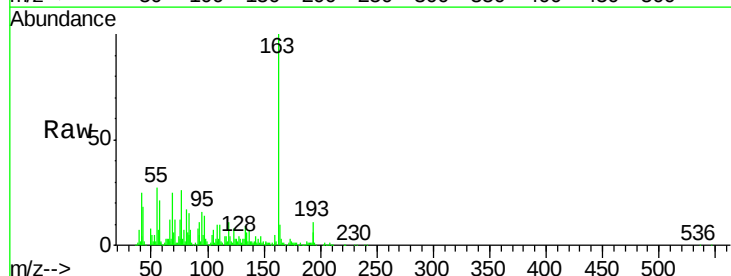
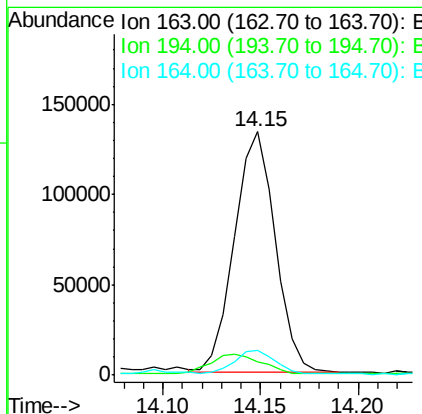
RT: 14.15 min Scan# 1925

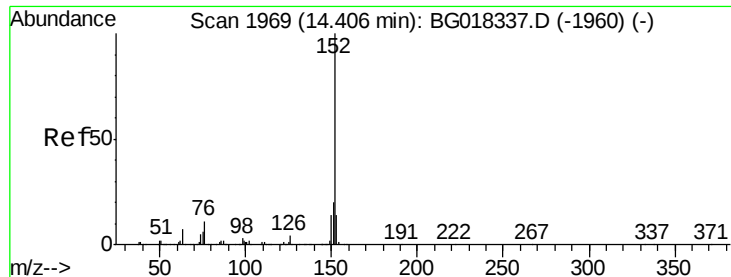
Delta R.T. 0.01 min

Lab File: BG018348.D

Acq: 10 Aug 2015 3:21

Tgt Ion:	163	Resp:	192105
Ion Ratio	Lower	Upper	
163	100		
194	5.6	2.9	4.3#
164	10.0	7.7	11.5





#48

Acenaphthylene

Concen: 2.90 ng/ul

RT: 14.42 min Scan# 1972

Delta R.T. 0.02 min

Lab File: BG018348.D

Acq: 10 Aug 2015 3:21

Instrument :

BNA_G

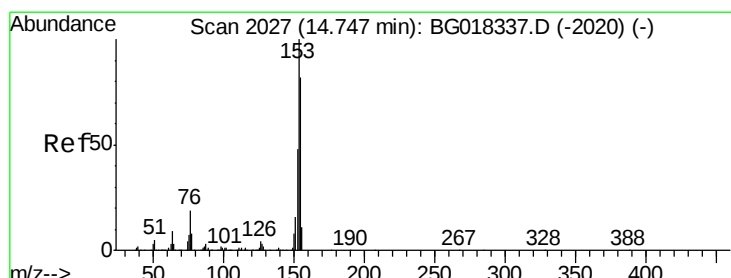
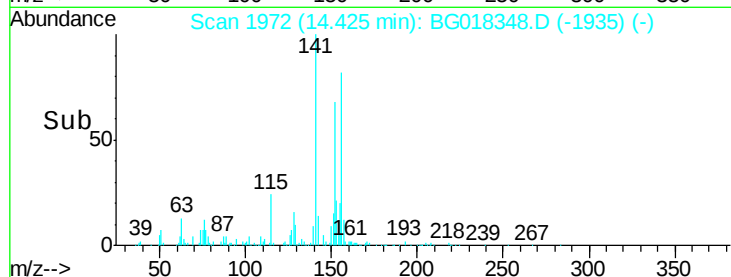
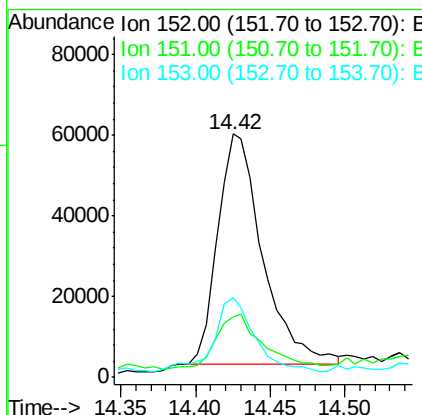
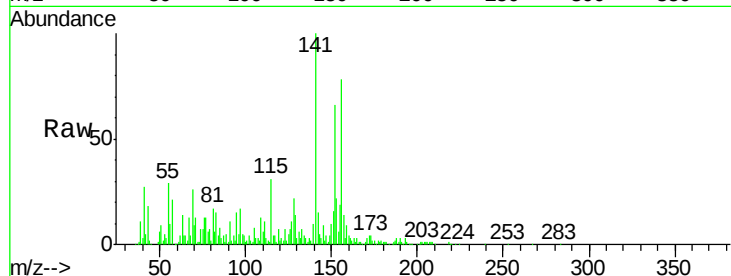
ClientSampleId :

C01J7

Tot Ion	Ratio	Resp	Lower	Upper
152	100	119915		
151	24.8	15.4	23.2#	
153	32.9	10.8	16.2#	

Manual Integrations
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#50

Acenaphthene

Concen: 2.44 ng/ul

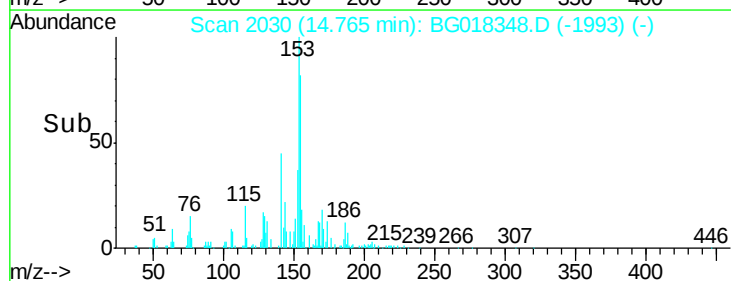
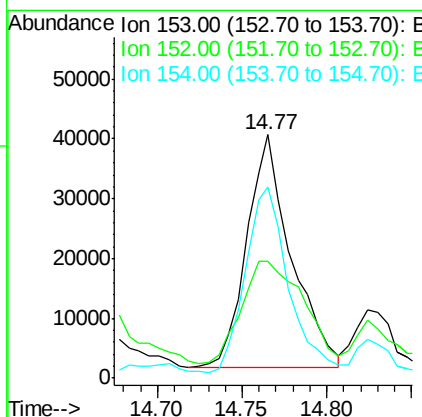
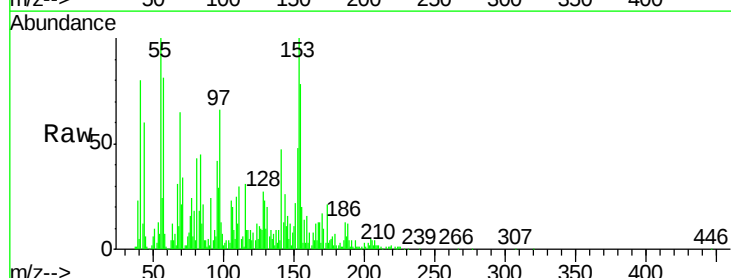
RT: 14.77 min Scan# 2030

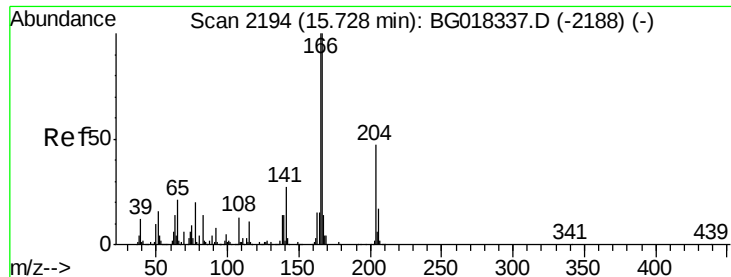
Delta R.T. 0.02 min

Lab File: BG018348.D

Acq: 10 Aug 2015 3:21

Tgt Ion	Ratio	Resp	Lower	Upper
153	100	70665		
152	48.3	38.2	57.4	
154	78.4	68.6	103.0	





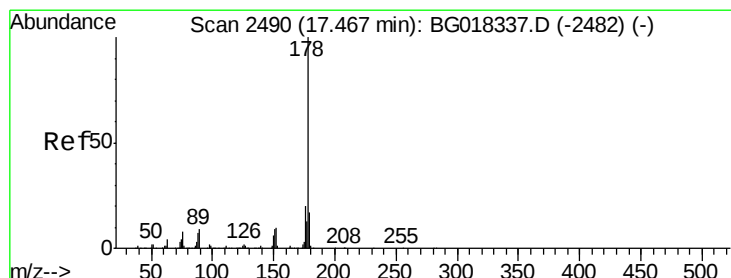
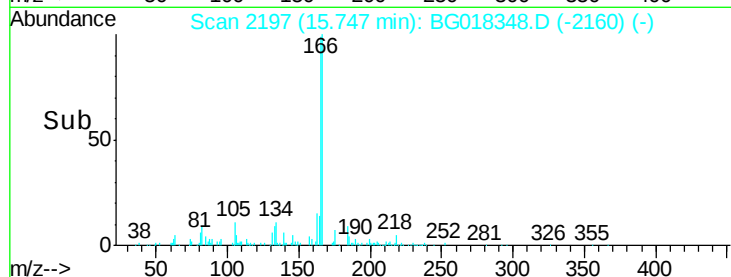
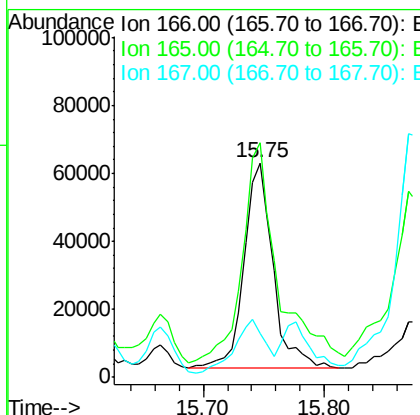
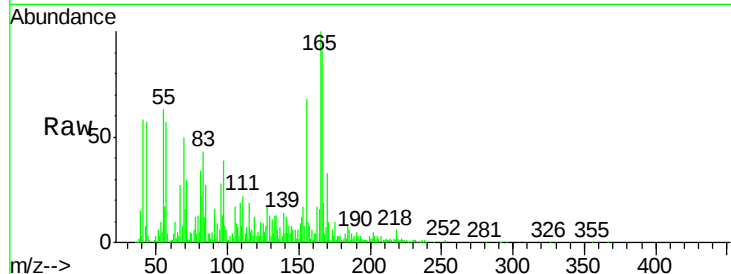
#59
Fluorene
Concen: 3.12 ng/ul
RT: 15.75 min Scan# 2197
Delta R.T. 0.02 min
Lab File: BG018348.D
Acq: 10 Aug 2015 3:21

Instrument :
BNA_G
ClientSampleId :
C01J7

Tot Ion	Ion	Ratio	Resp	Lower	Upper
166	100				
165	109.6	82.6	124.0		
167	20.4	11.4	17.0		

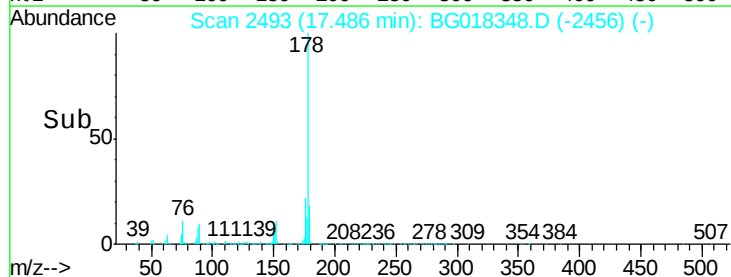
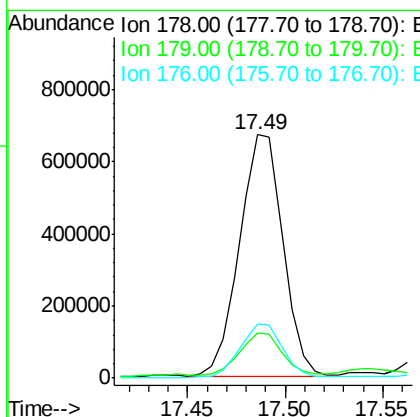
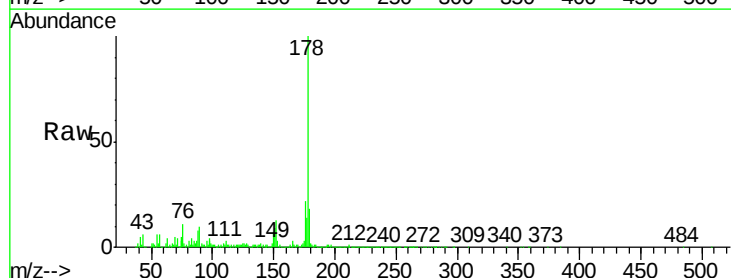
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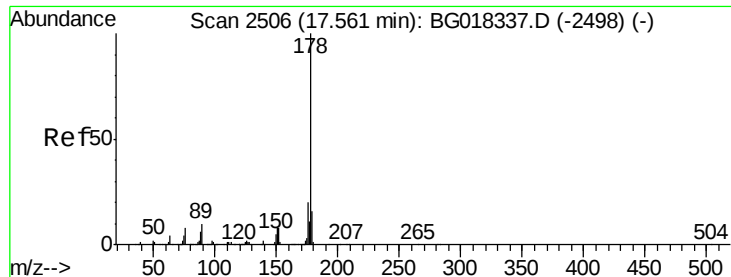
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#70
Phenanthrene
Concen: 23.95 ng/ul
RT: 17.49 min Scan# 2493
Delta R.T. 0.02 min
Lab File: BG018348.D
Acq: 10 Aug 2015 3:21

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
178	100				
179	18.3	13.7	20.5		
176	22.2	16.6	24.8		





#72

Anthracene

Concen: 3.79 ng/ul m

RT: 17.57 min Scan# 2508

Delta R.T. 0.01 min

Lab File: BG018348.D

Acq: 10 Aug 2015 3:21

Instrument :

BNA_G

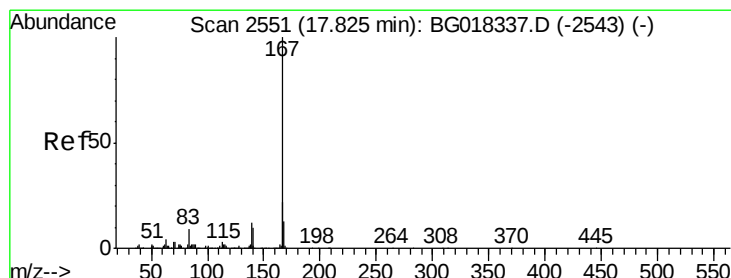
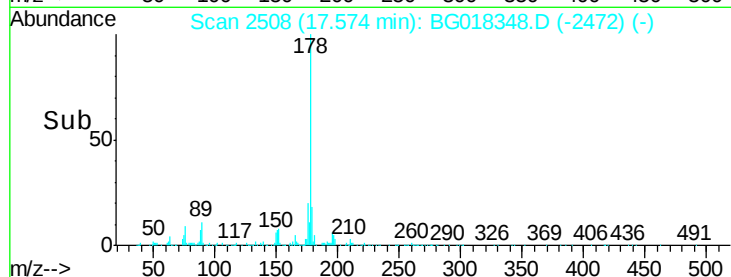
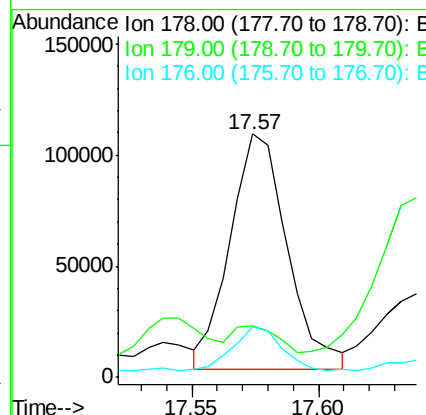
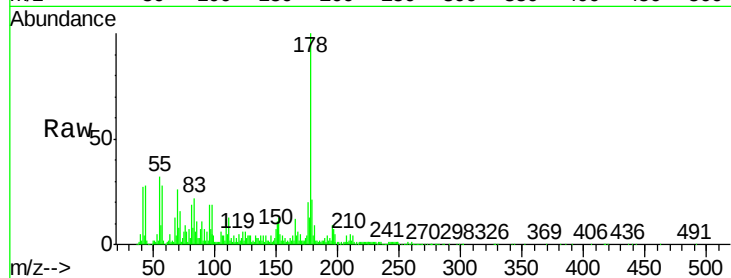
ClientSampled :

C01J7

Tot Ion:	178	Resp:	166161
Ion Ratio	Lower	Upper	
178	100		
179	21.2	13.0	19.4#
176	20.4	16.0	24.0

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#75

Carbazole

Concen: 2.12 ng/ul

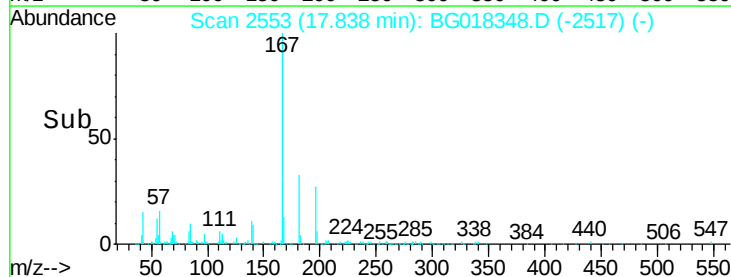
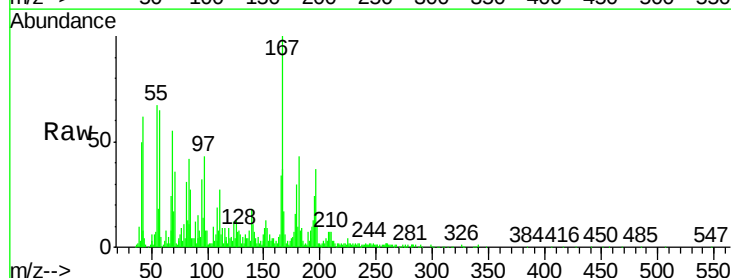
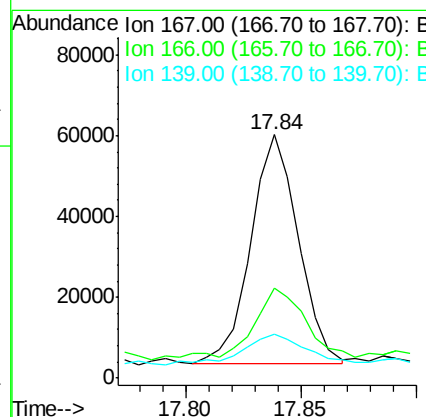
RT: 17.84 min Scan# 2553

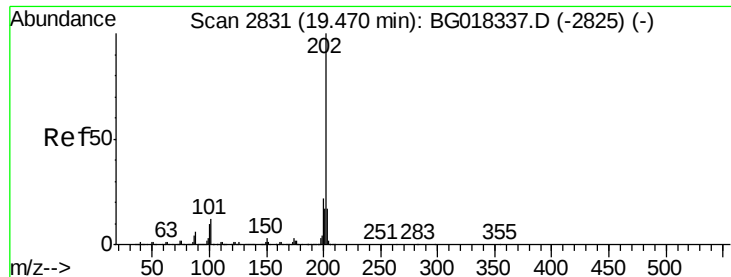
Delta R.T. 0.01 min

Lab File: BG018348.D

Acq: 10 Aug 2015 3:21

Tgt Ion:	167	Resp:	81301
Ion Ratio	Lower	Upper	
167	100		
166	36.7	18.9	28.3#
139	18.1	10.1	15.1#





#77

Fluoranthene

Concen: 53.31 ng/ul m

RT: 19.50 min Scan# 2835

Delta R.T. 0.02 min

Lab File: BG018348.D

Acq: 10 Aug 2015 3:21

Instrument :

BNA_G

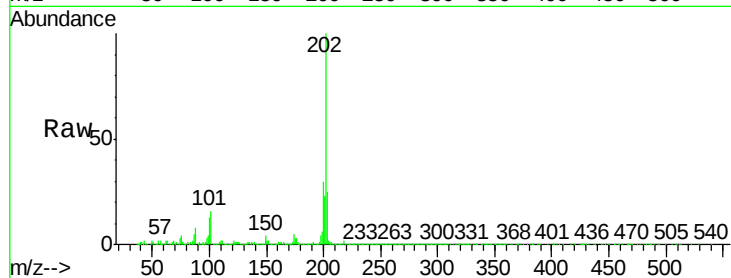
ClientSampleId :

C01J7

Tot Ion	Ratio	Lower	Upper
202	100		
101	16.0	9.7	14.5#
100	13.1	7.8	11.8#

Manual Integrations
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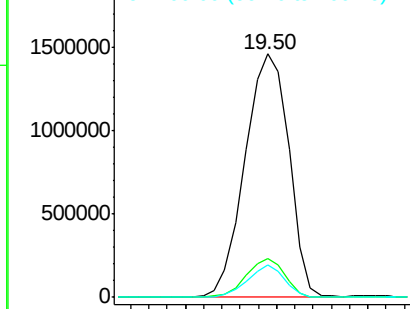
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8/10/2015 7:27:10 PM



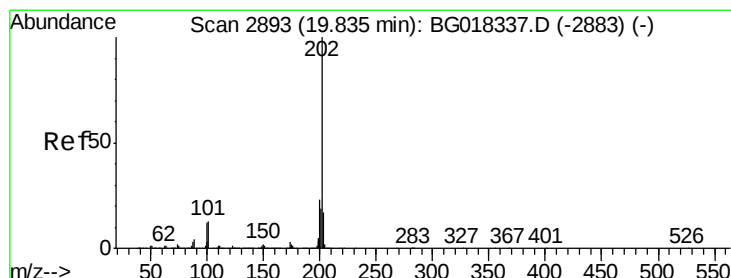
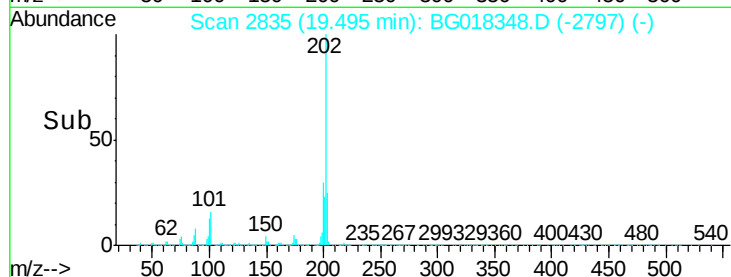
Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B



Time-->



#80

Pyrene

Concen: 50.48 ng/ul

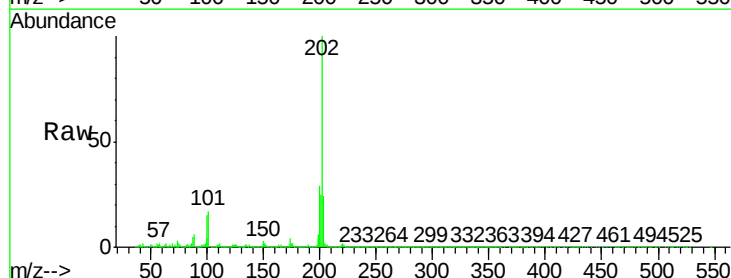
RT: 19.86 min Scan# 2897

Delta R.T. 0.02 min

Lab File: BG018348.D

Acq: 10 Aug 2015 3:21

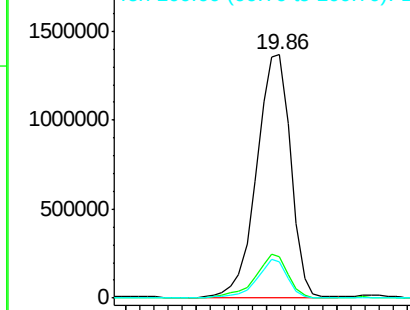
Tgt Ion	Ratio	Lower	Upper
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101	17.0	11.0	16.4#
100	14.7	9.8	14.6#



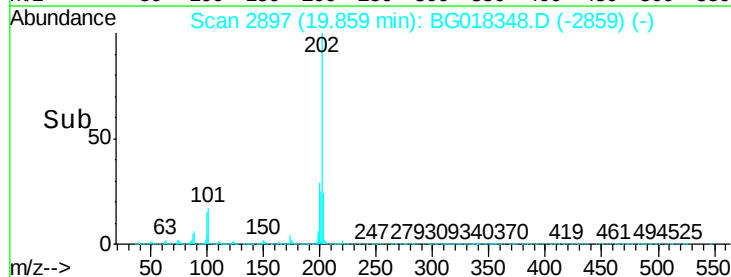
Abundance Ion 202.00 (201.70 to 202.70): E

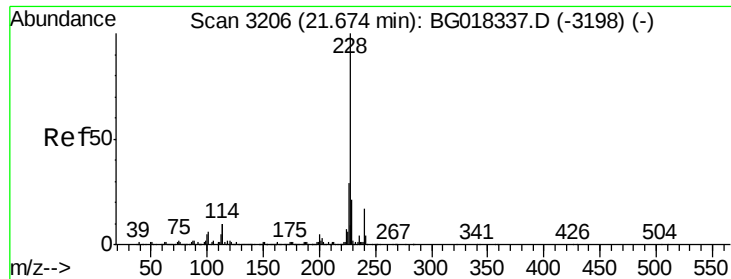
Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B



Time-->





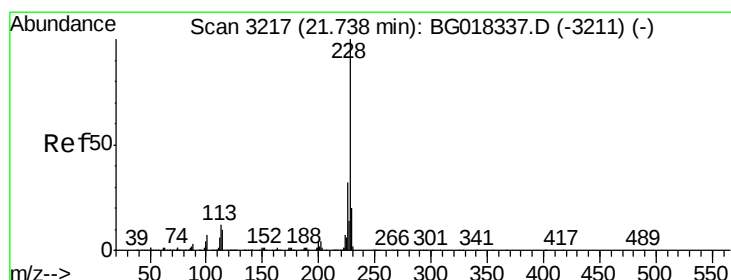
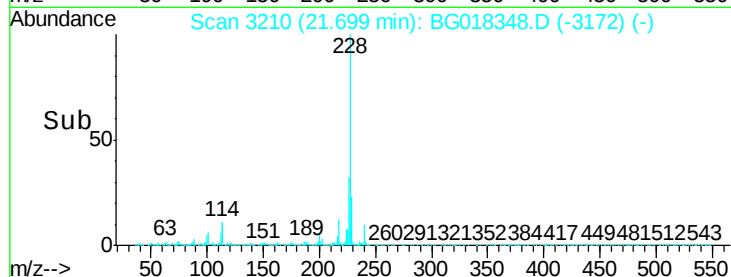
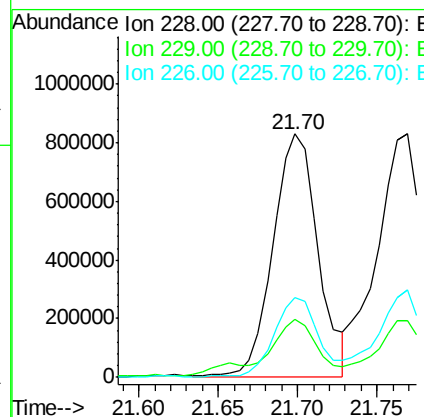
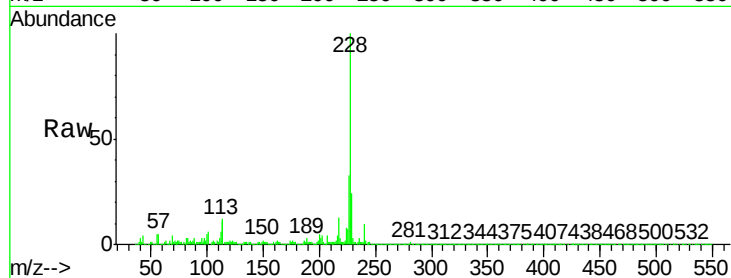
#83
Benzo(a)anthracene
Concen: 38.86 ng/ul
RT: 21.70 min Scan# 3210
Delta R.T. 0.02 min
Lab File: BG018348.D
Acq: 10 Aug 2015 3:21

Instrument :
BNA_G
ClientSampled :
C01J7

Tot Ion	Ratio	Lower	Upper
228	100		
229	23.9	15.5	23.3#
226	32.5	22.1	33.1

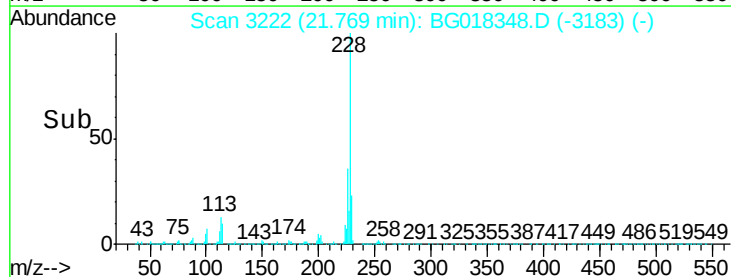
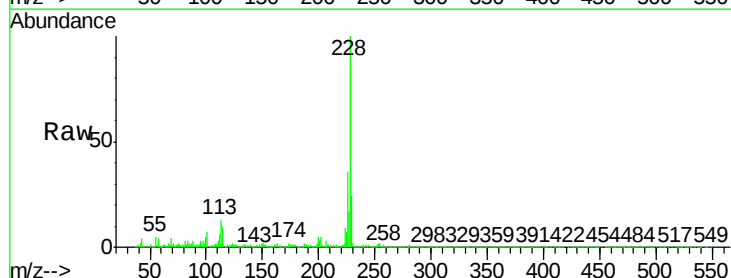
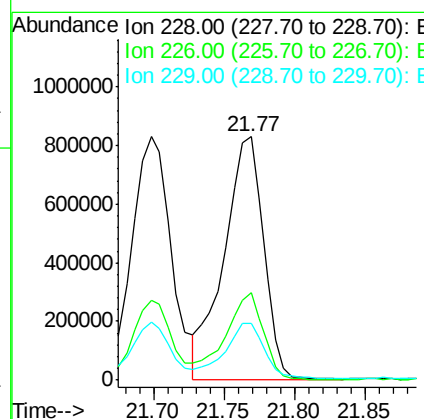
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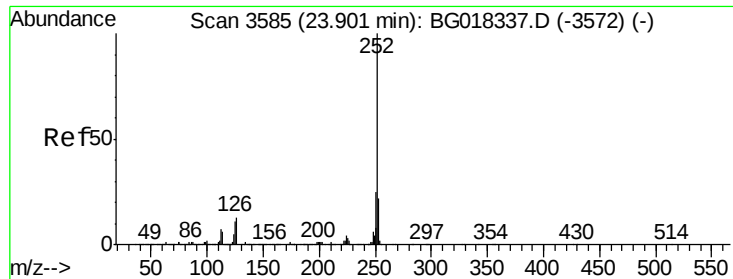
MMDadoda
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#85
Chrysene
Concen: 41.13 ng/ul
RT: 21.77 min Scan# 3222
Delta R.T. 0.03 min
Lab File: BG018348.D
Acq: 10 Aug 2015 3:21

Tgt Ion	Ratio	Lower	Upper
228	100		
226	35.8	26.5	39.7
229	23.6	16.9	25.3





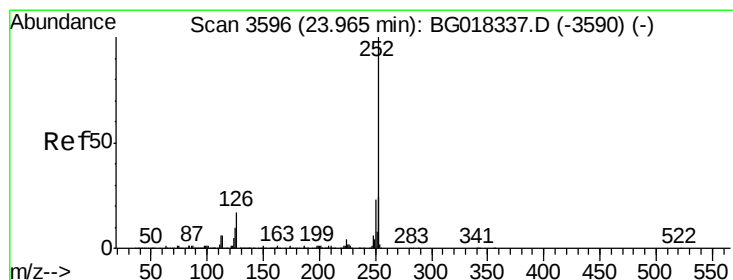
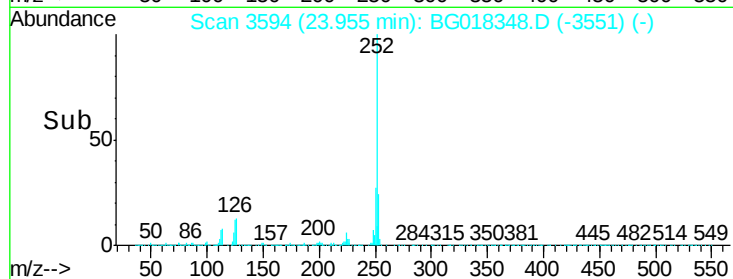
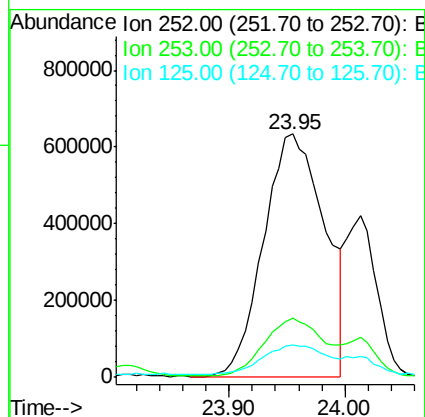
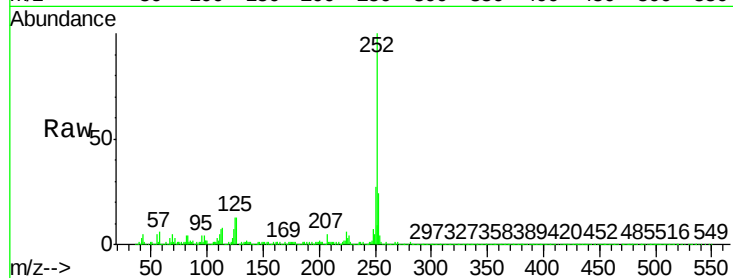
#88
Benzo(b)fluoranthene
Concen: 53.77 ng/ul
RT: 23.95 min Scan# 3594
Delta R.T. 0.05 min
Lab File: BG018348.D
Acq: 10 Aug 2015 3:21

Instrument :
BNA_G
ClientSampleId :
C01J7

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.4	18.1	27.1
125	13.4	8.3	12.5

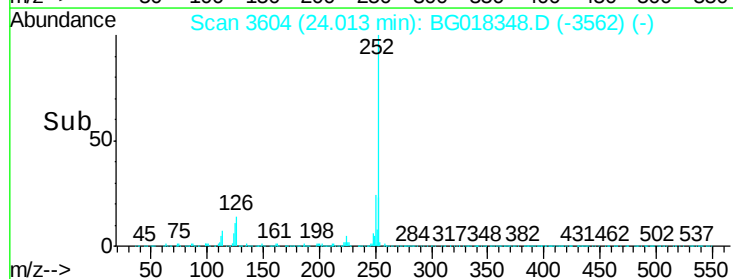
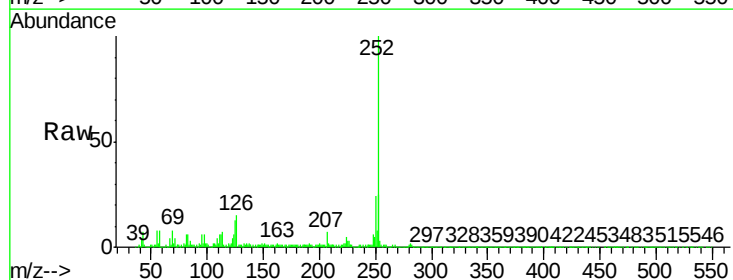
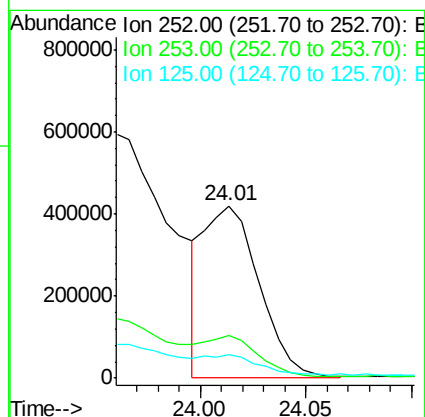
Manual Integrations
APPROVED

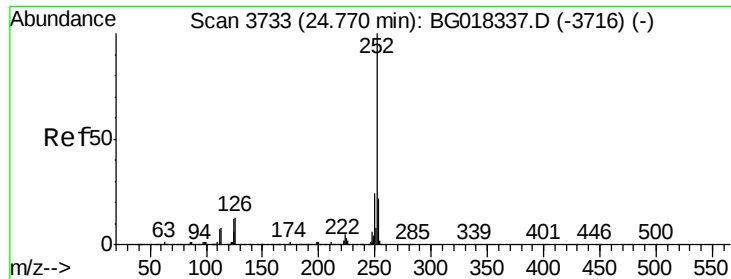
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#89
Benzo(k)fluoranthene
Concen: 18.57 ng/ul m
RT: 24.01 min Scan# 3604
Delta R.T. 0.05 min
Lab File: BG018348.D
Acq: 10 Aug 2015 3:21

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.6	17.8	26.6
125	13.3	9.0	13.4





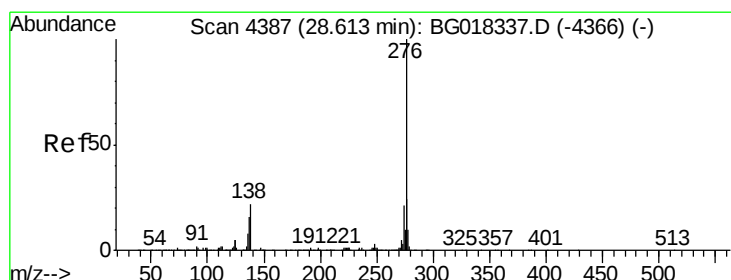
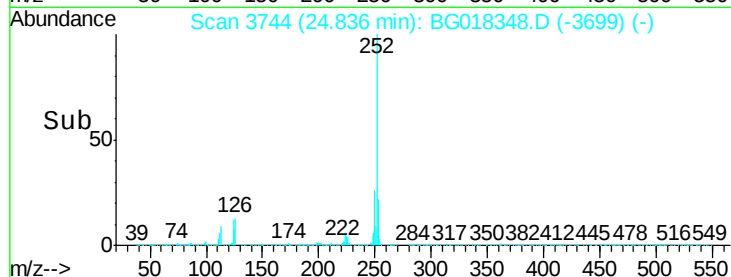
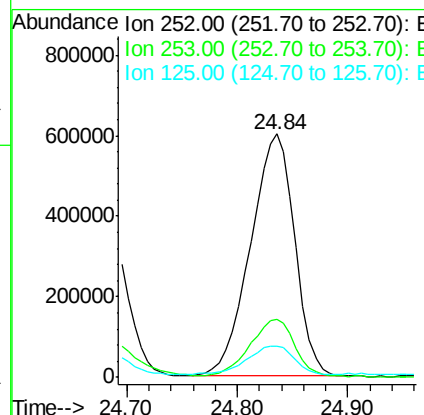
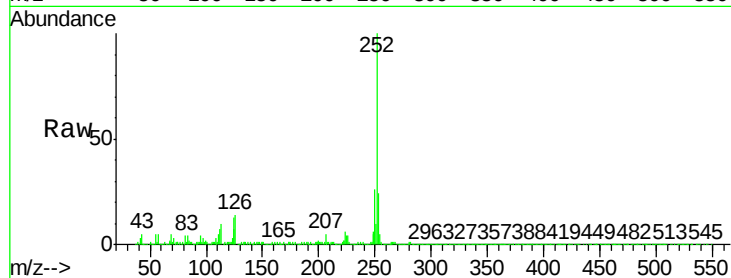
#91
Benzo(a)pyrene
Concen: 41.02 ng/ul
RT: 24.84 min Scan# 3744
Delta R.T. 0.07 min
Lab File: BG018348.D
Acq: 10 Aug 2015 3:21

Instrument :
BNA_G
ClientSampleId :
C01J7

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.6	17.7	26.5
125	12.9	10.2	15.2

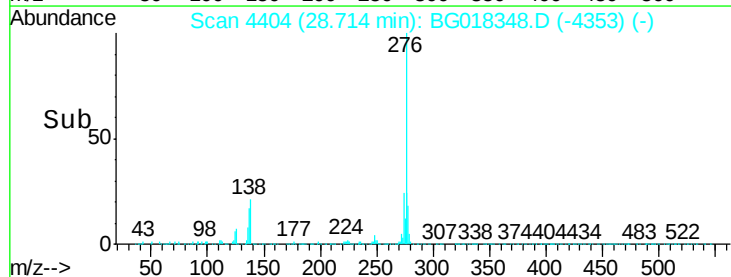
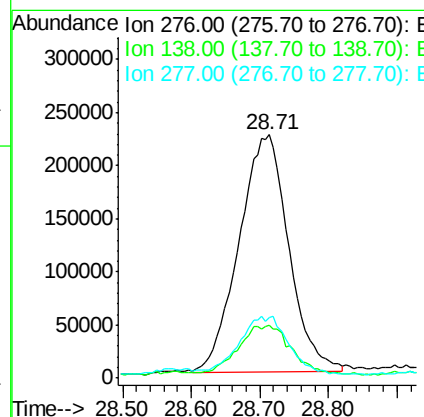
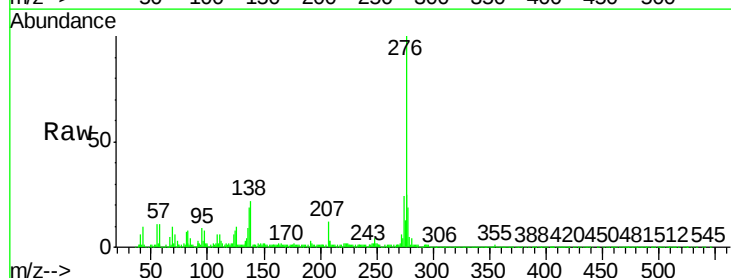
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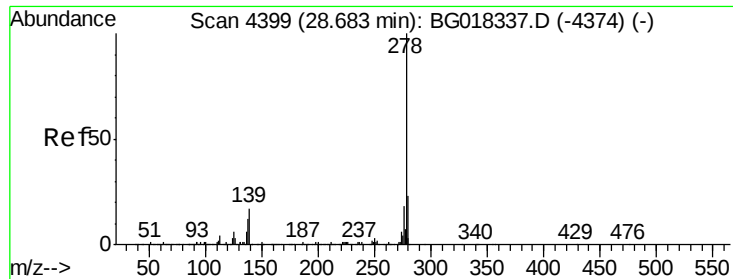
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#92
Indeno(1,2,3-cd)pyrene
Concen: 23.61 ng/ul
RT: 28.71 min Scan# 4404
Delta R.T. 0.10 min
Lab File: BG018348.D
Acq: 10 Aug 2015 3:21

Tgt Ion	Ratio	Lower	Upper
276	100		
138	21.5	15.8	23.6
277	24.8	18.9	28.3





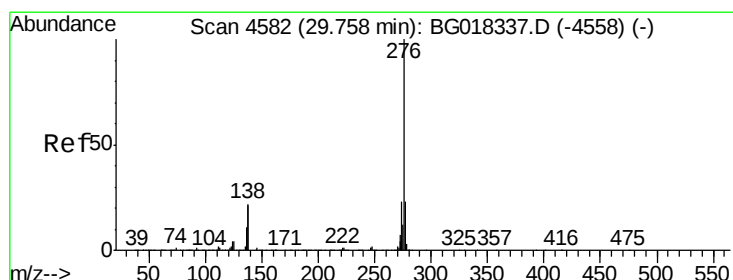
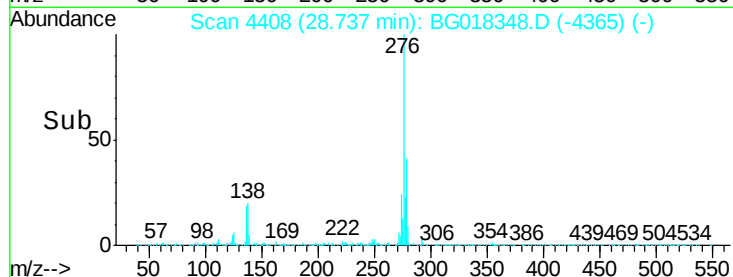
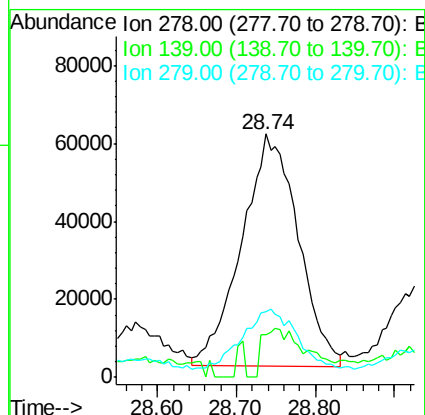
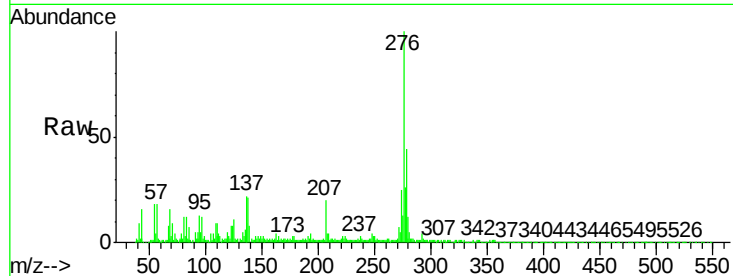
#93
Dibenzo(a,h)anthracene
Concen: 7.47 ng/ul m
RT: 28.74 min Scan# 4408
Delta R.T. 0.05 min
Lab File: BG018348.D
Acq: 10 Aug 2015 3:21

Instrument :
BNA_G
ClientSampleId :
C01J7

Tot Ion	Ratio	Lower	Upper
278	100		
139	17.6	13.8	20.6
279	26.9	17.8	26.8#

Manual Integrations
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8/10/2015 7:27:10 PM



#94
Benzo(g,h,i)perylene
Concen: 21.11 ng/ul
RT: 29.87 min Scan# 4601
Delta R.T. 0.11 min
Lab File: BG018348.D
Acq: 10 Aug 2015 3:21

Tgt Ion	Ratio	Lower	Upper
276	100		
138	23.1	16.5	24.7
277	23.4	19.0	28.6

