

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG073115\
 Data File : BG018208.D
 Acq On : 1 Aug 2015 7:33
 Operator : TP/UM
 Sample : G3065-01
 Misc :
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 C01Z4

Manual Integrations
 APPROVED

MMDadoda
 8/4/2015 12:23:34 PM

Quant Time: Aug 04 16:48:23 2015
 Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG073115.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Sat Aug 01 07:09:30 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.49	152	58004	20.00	ng/ul	0.01
18) Naphthalene-d8	10.27	136	234500	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.16	164	121166	20.00	ng/ul	0.01
62) Phenanthrene-d10	16.92	188	244765	20.00	ng/ul	0.02
78) Chrysene-d12	21.13	240	318875	20.00	ng/ul	0.02
86) Perylene-d12	23.33	264	346254	20.00	ng/ul	0.04

System Monitoring Compounds

3) 1,4-Dioxane-d8	2.98	96	1018m	1.33	ng/uL	0.00
5) Phenol-d5	6.68	99	43060	8.26	ng/ul	0.01
7) Bis-(2-Chloroethyl)ether-d	6.83	67	26392	9.90	ng/ul	0.00
9) 2-Chlorophenol-d4	7.02	132	37099	9.42	ng/ul	0.01
13) 4-Methylphenol-d8	8.21	113	16128	3.80	ng/ul	0.00
19) Nitrobenzene-d5	8.64	128	21946	11.88	ng/ul	0.00
22) 2-Nitrophenol-d4	9.36	143	17486	8.25	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	9.90	165	35665	9.52	ng/ul	0.01
29) 4-Chloroaniline-d4	0.00	131	0d	0.00	ng/ul	
44) Dimethylphthalate-d6	13.58	166	108581	11.60	ng/ul	0.00
47) Acenaphthylene-d8	13.85	160	124767	11.49	ng/ul	0.01
52) 4-Nitrophenol-d4	14.40	143	9417	5.43	ng/ul	0.02
58) Fluorene-d10	15.16	176	93888	11.08	ng/ul	0.01
63) 4,6-Dinitro-2-methylphenol	15.27	200	1375	0.80	ng/ul	-0.02
71) Anthracene-d10	17.02	188	129990	12.21	ng/ul	0.01
79) Pyrene-d10	19.33	212	144063	9.34	ng/ul	0.02
90) Benzo(a)pyrene-d12	23.19	264	180453	10.31	ng/ul	0.04

Target Compounds

					Qvalue
28) Naphthalene	10.32	128	60051	5.32 ng/ul#	92
34) 2-Methylnaphthalene	11.95	142	64133	7.18 ng/ul	96
35) 1-Methylnaphthalene	12.17	142	48453	5.65 ng/ul#	96
41) 1,1'-Biphenyl	12.98	154	9140	1.06 ng/ul	95
45) Dimethylphthalate	13.62	163	171865	18.45 ng/ul	99
50) Acenaphthene	14.23	153	10724	1.53 ng/ul#	93
54) Dibenzofuran	14.56	168	19020	1.80 ng/ul#	62
59) Fluorene	15.21	166	13633	1.49 ng/ul#	89
70) Phenanthrene	16.97	178	344904	27.74 ng/ul	98
72) Anthracene	17.05	178	30148m	2.44 ng/ul	
75) Carbazole	17.33	167	27801	2.70 ng/ul#	72
77) Fluoranthene	19.00	202	701707	51.38 ng/ul#	95
80) Pyrene	19.36	202	594926	30.76 ng/ul#	96
83) Benzo(a)anthracene	21.12	228	353256	20.57 ng/ul	96
84) Bis(2-ethylhexyl)phthalate	21.06	149	156289	14.74 ng/ul	99
85) Chrysene	21.17	228	447587m	28.45 ng/ul	
88) Benzo(b)fluoranthene	22.68	252	574757	27.63 ng/ul#	97
89) Benzo(k)fluoranthene	22.71	252	216441m	11.32 ng/ul	
91) Benzo(a)pyrene	23.23	252	282425	15.18 ng/ul#	94
92) Indeno(1,2,3-cd)pyrene	25.54	276	188307	8.75 ng/ul#	88
93) Dibenzo(a,h)anthracene	25.54	278	55310	3.00 ng/ul#	77
94) Benzo(g,h,i)perylene	26.23	276	155050	8.82 ng/ul	96

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Quant Title : SVOA CALIBRATION
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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

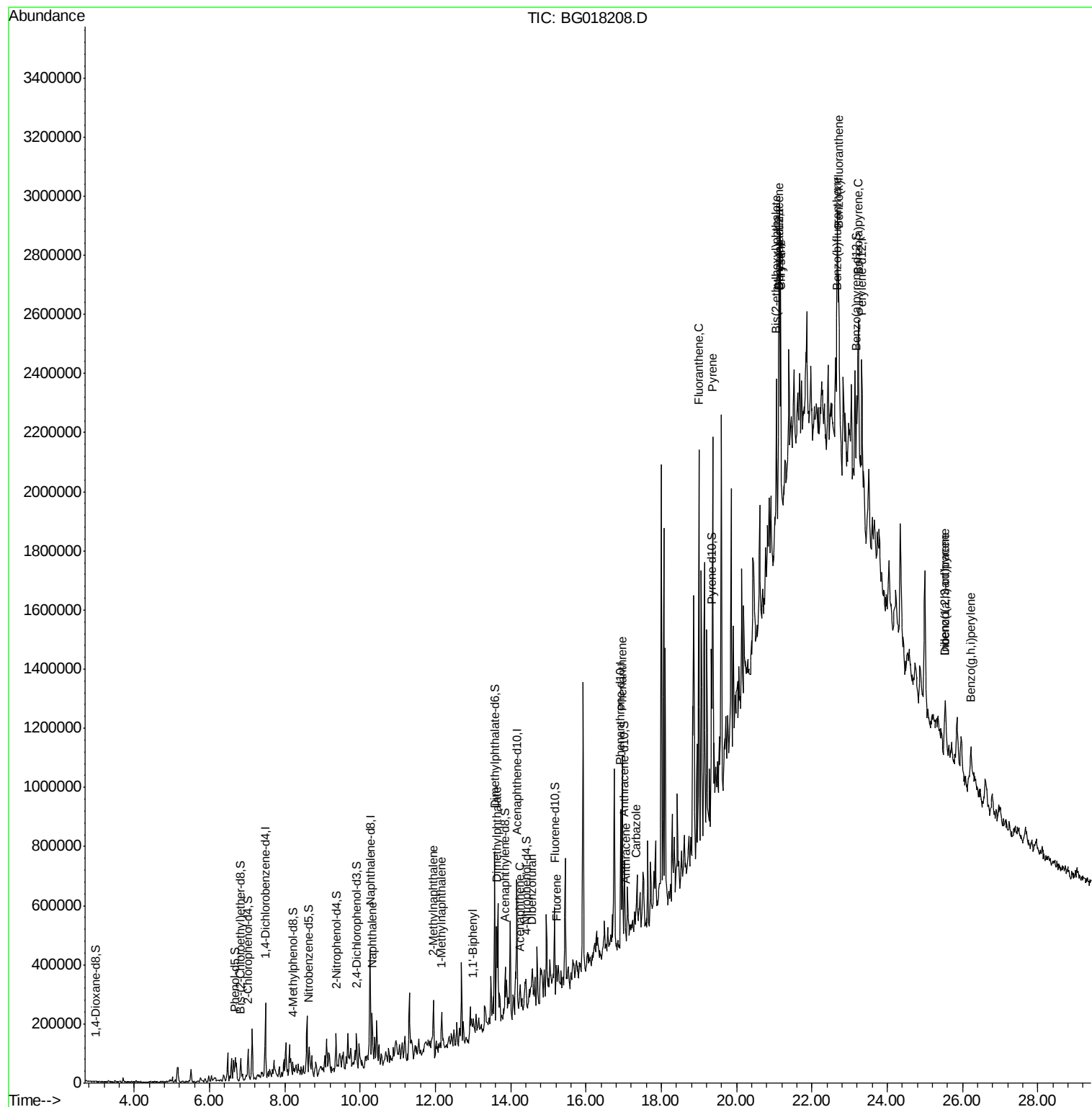
Data Path : Z:\HPCHEM1\BNA_G\DATA\BG073115\
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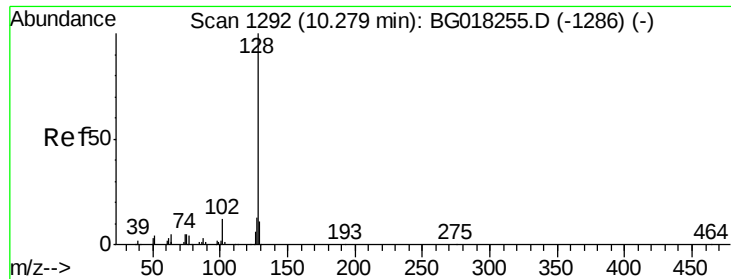
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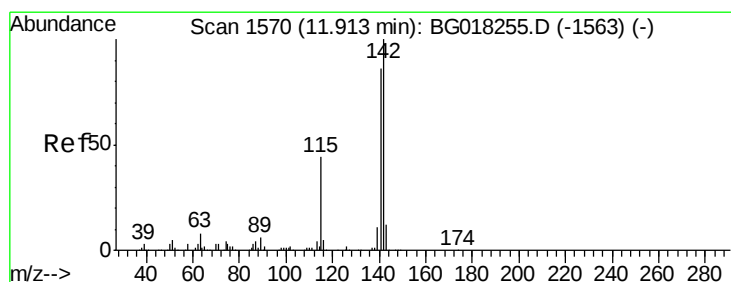
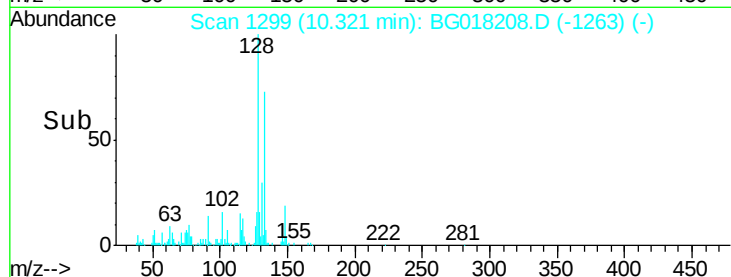
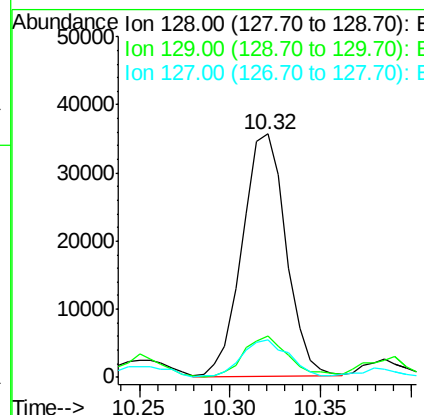
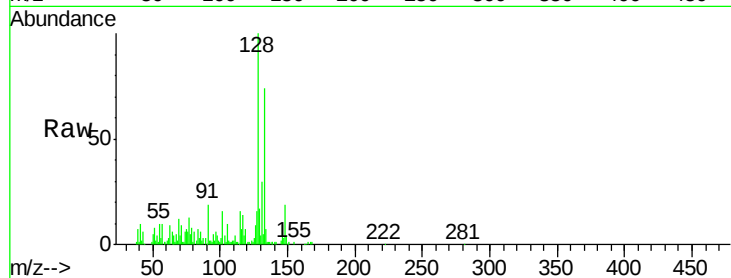
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Naphthalene
Concen: 5.32 ng/ul
RT: 10.32 min Scan# 1299
Delta R.T. 0.01 min
Lab File: BG018208.D
Acq: 1 Aug 2015 7:33

Instrument :
BNA_G
ClientSampleId :
C01Z4

Tgt Ion	Ratio	Resp Lower	Resp Upper
128	100		
129	16.7	9.1	13.7#
127	15.6	11.2	16.8

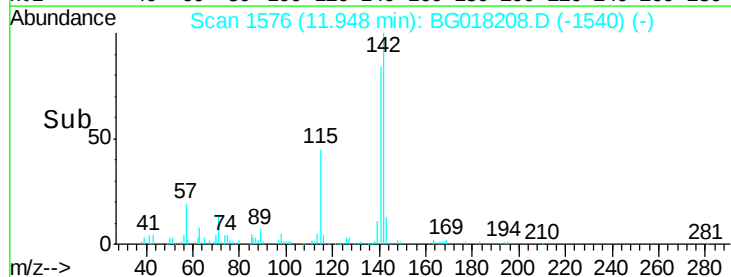
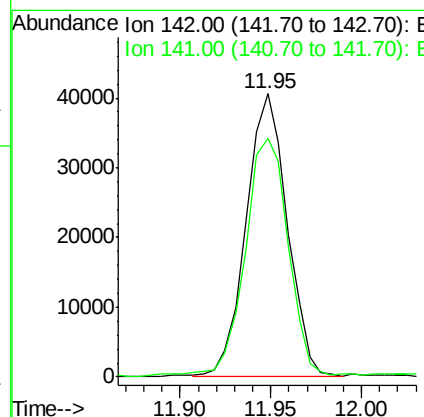
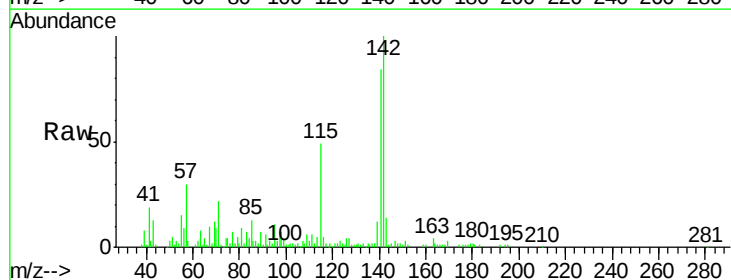
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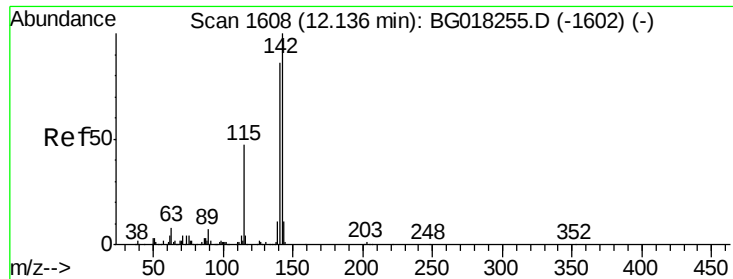
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#34
2-Methylnaphthalene
Concen: 7.18 ng/ul
RT: 11.95 min Scan# 1576
Delta R.T. 0.01 min
Lab File: BG018208.D
Acq: 1 Aug 2015 7:33

Tgt Ion	Ratio	Resp Lower	Resp Upper
142	100		
141	84.3	70.3	105.5





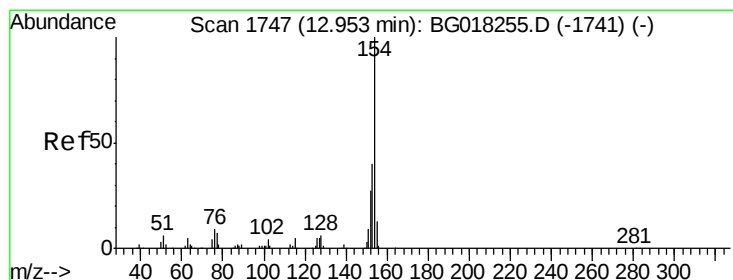
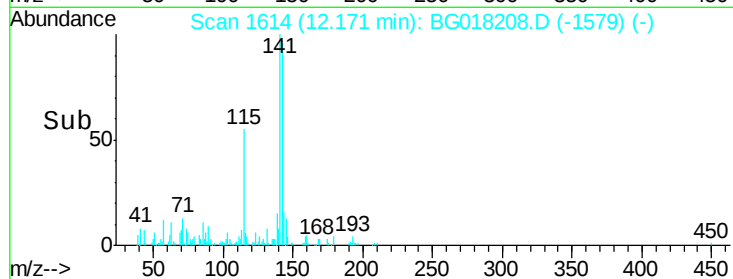
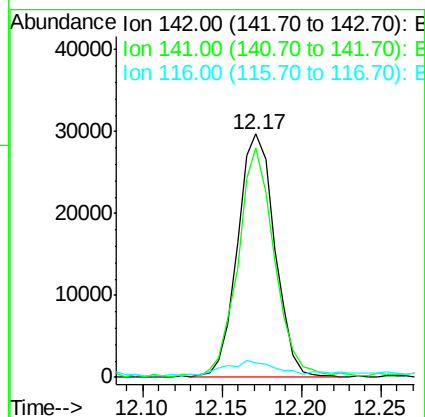
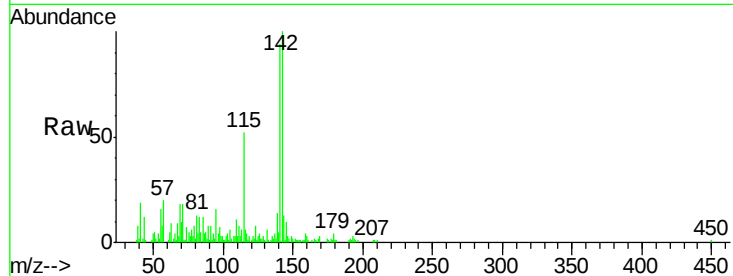
#35
 1-Methylnaphthalene
 Concen: 5.65 ng/ul
 RT: 12.17 min Scan# 1614
 Delta R.T. 0.01 min
 Lab File: BG018208.D
 Acq: 1 Aug 2015 7:33

Instrument :
 BNA_G
 ClientSampleId :
 C01Z4

Tgt Ion:	142	Resp:	48453
Ion Ratio	Lower	Upper	
142	100		
141	94.4	72.5	108.7
116	5.8	2.6	4.0#

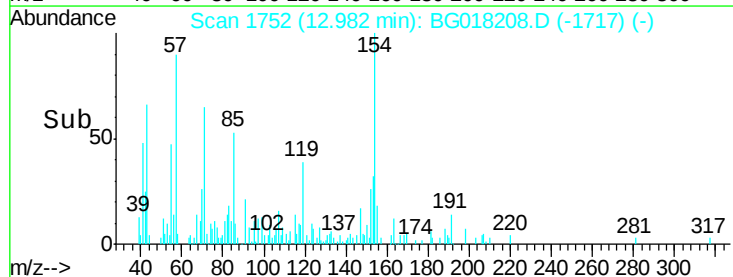
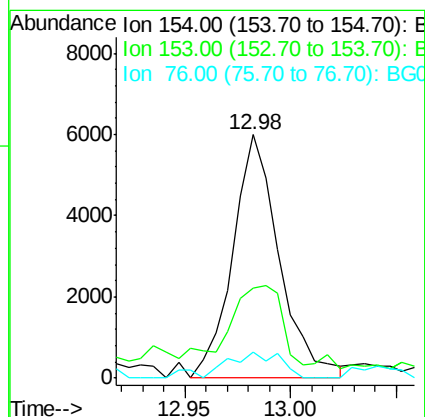
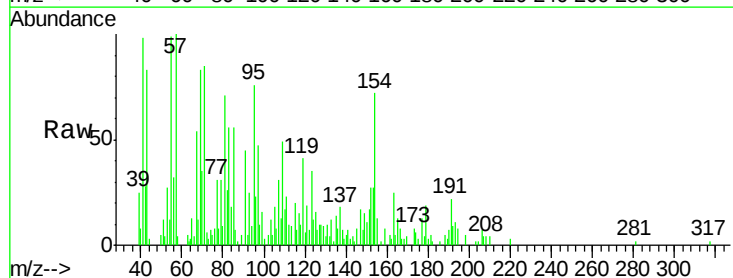
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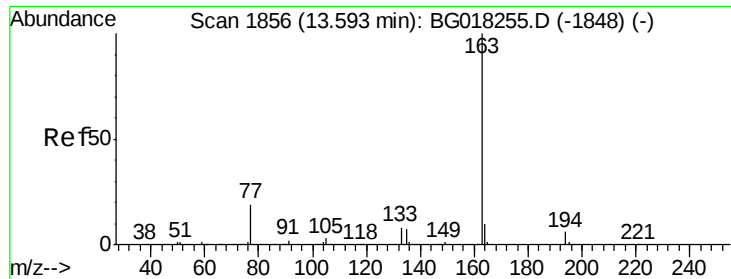
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#41
 1,1'-Biphenyl
 Concen: 1.06 ng/ul
 RT: 12.98 min Scan# 1752
 Delta R.T. 0.01 min
 Lab File: BG018208.D
 Acq: 1 Aug 2015 7:33

Tgt Ion:	154	Resp:	9140
Ion Ratio	Lower	Upper	
154	100		
153	37.2	32.3	48.5
76	10.6	7.4	11.0





#45

Dimethylphthalate

Concen: 18.45 ng/ul

RT: 13.62 min Scan# 1861

Delta R.T. 0.01 min

Lab File: BG018208.D

Acq: 1 Aug 2015 7:33

Instrument :

BNA_G

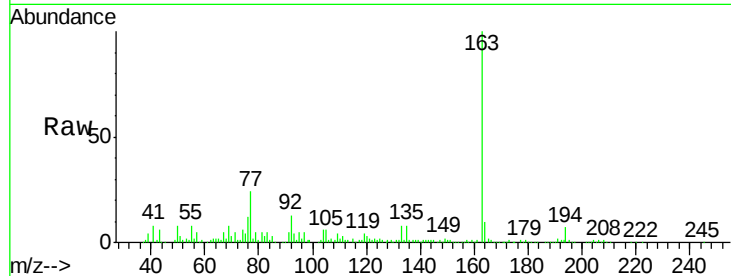
ClientSampleId :

C01Z4

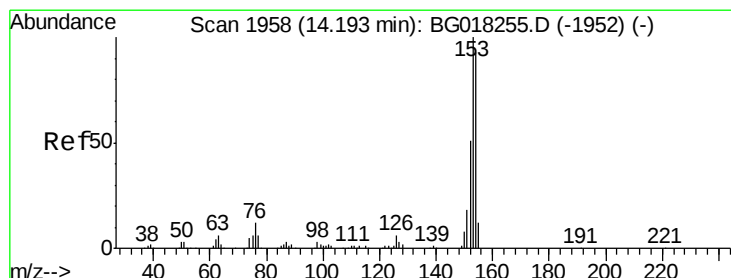
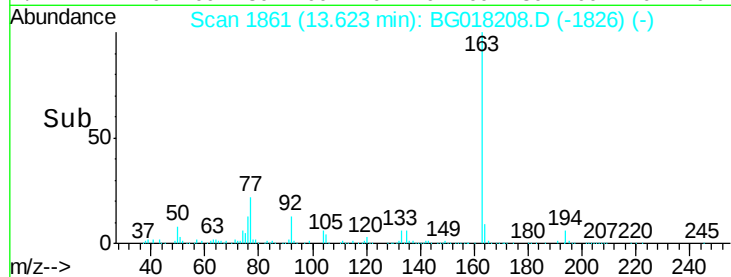
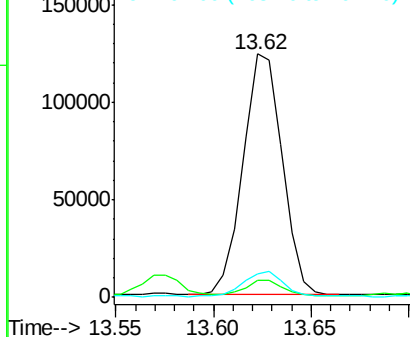
Tgt Ion:	163	Resp:	171865
Ion Ratio	Lower	Upper	
163	100		
194	6.8	5.2	7.8
164	9.8	8.4	12.6

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Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E



#50

Acenaphthene

Concen: 1.53 ng/ul

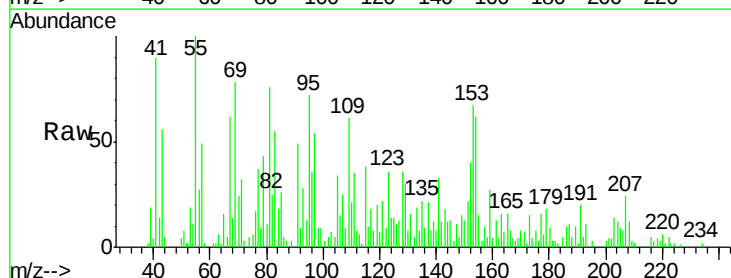
RT: 14.23 min Scan# 1964

Delta R.T. 0.01 min

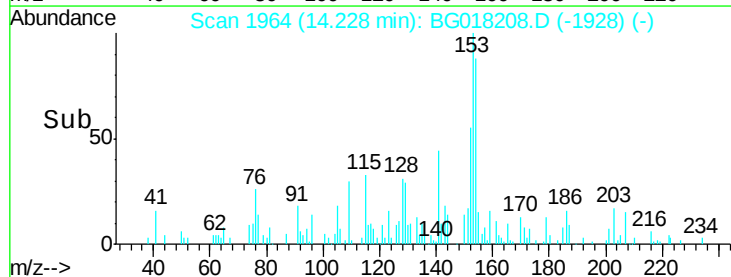
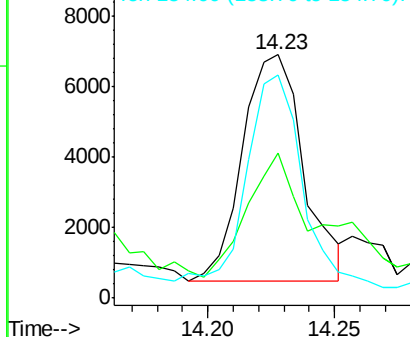
Lab File: BG018208.D

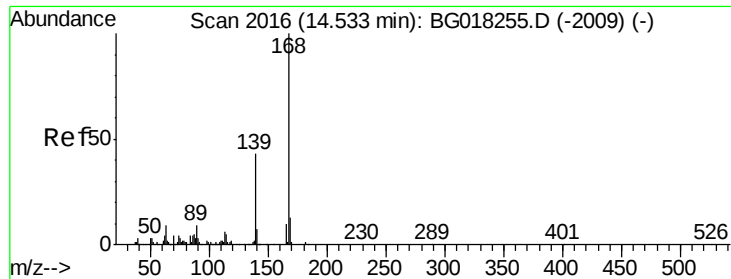
Acq: 1 Aug 2015 7:33

Tgt Ion:	153	Resp:	10724
Ion Ratio	Lower	Upper	
153	100		
152	59.4	38.7	58.1#
154	91.7	74.8	112.2



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

Dibenzenofuran

Concen: 1.80 ng/ul

RT: 14.56 min Scan# 2021

Delta R.T. 0.01 min

Lab File: BG018208.D

Acq: 1 Aug 2015 7:33

Instrument :

BNA_G

ClientSampleId :

C01Z4

Tgt Ion:168 Resp: 19020

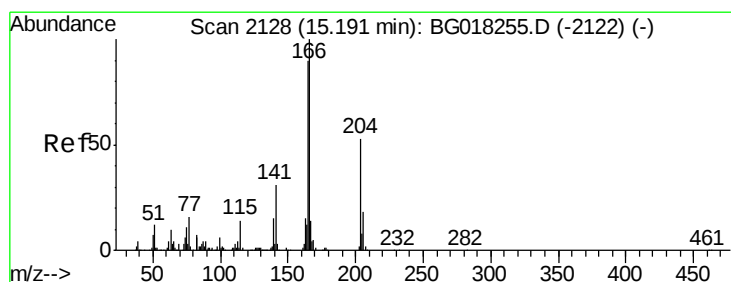
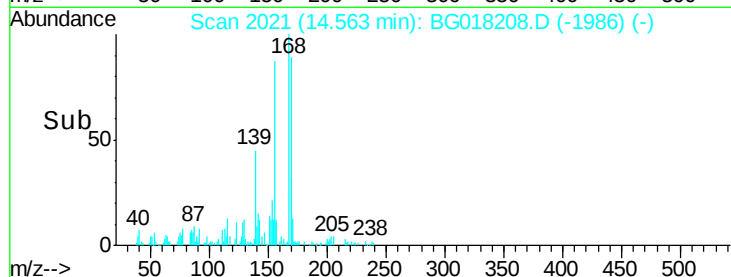
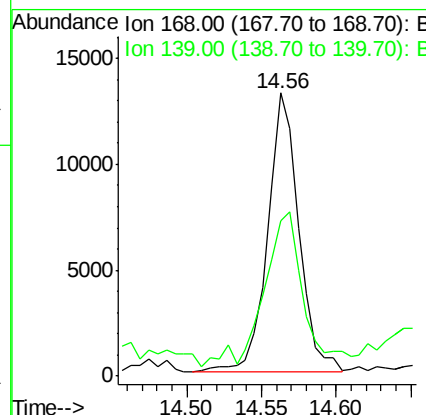
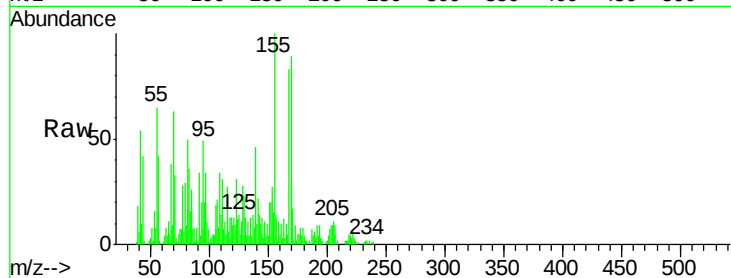
Ion Ratio Lower Upper

168 100

139 55.1 26.8 40.2#

Manual Integrations
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#59

Fluorene

Concen: 1.49 ng/ul

RT: 15.21 min Scan# 2132

Delta R.T. 0.01 min

Lab File: BG018208.D

Acq: 1 Aug 2015 7:33

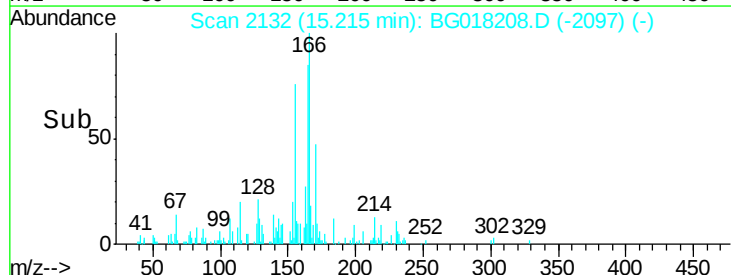
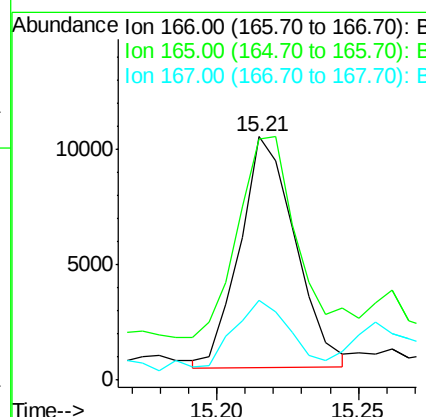
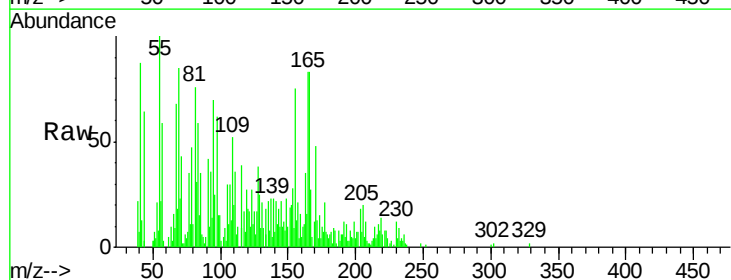
Tgt Ion:166 Resp: 13633

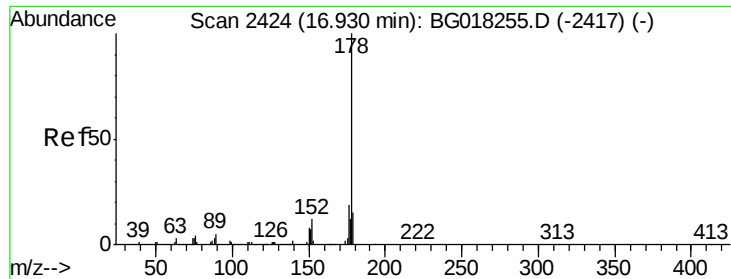
Ion Ratio Lower Upper

166 100

165 99.1 75.1 112.7

167 32.8 11.8 17.6#





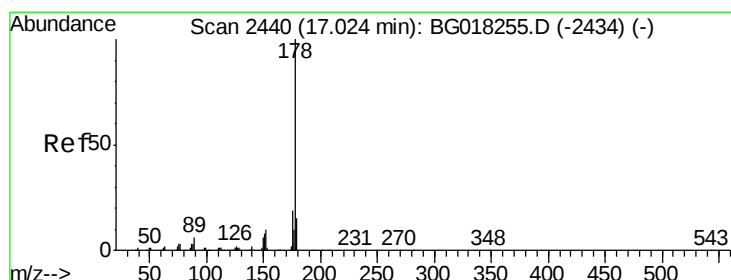
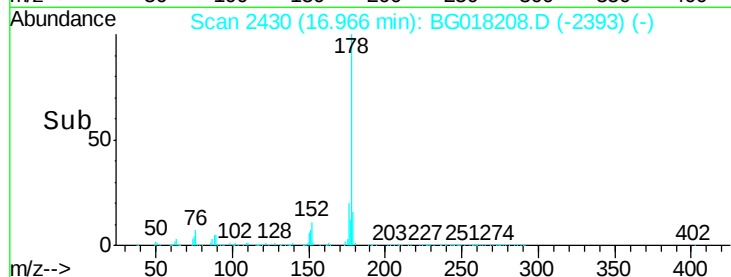
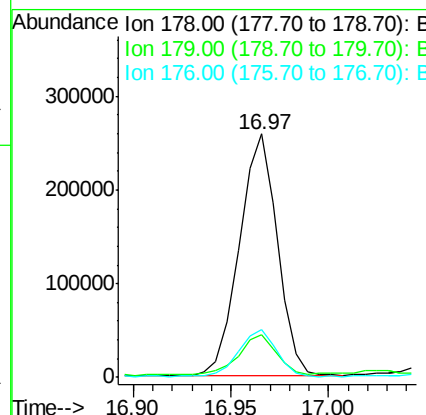
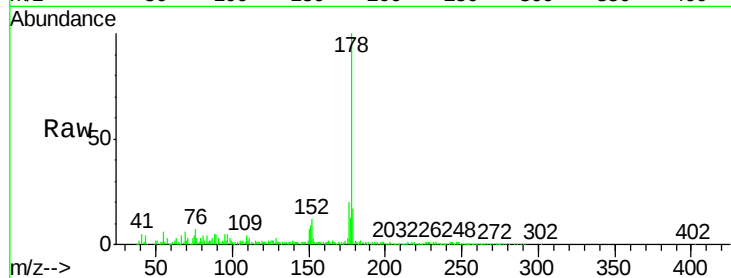
#70
Phenanthrene
Concen: 27.74 ng/ul
RT: 16.97 min Scan# 2430
Delta R.T. 0.02 min
Lab File: BG018208.D
Acq: 1 Aug 2015 7:33

Instrument :
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ClientSampleId :
C01Z4

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	344904		
179	17.4	12.8	19.2	
176	19.8	16.0	24.0	

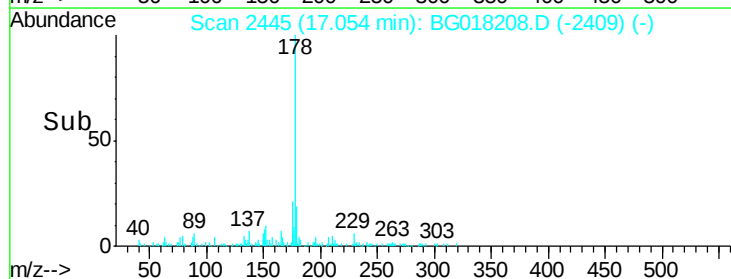
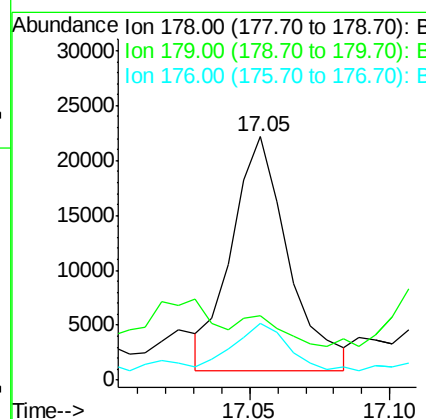
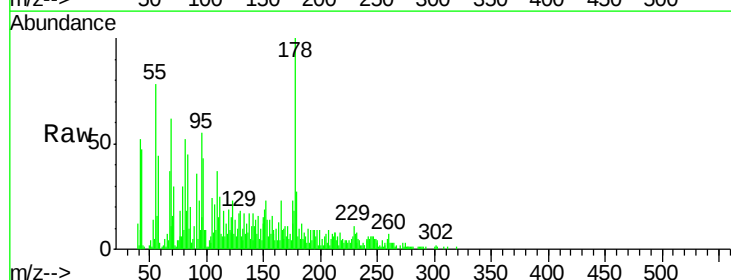
Manual Integrations
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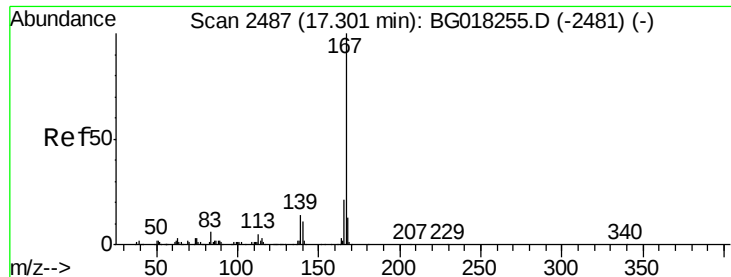
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#72
Anthracene
Concen: 2.44 ng/ul m
RT: 17.05 min Scan# 2445
Delta R.T. 0.01 min
Lab File: BG018208.D
Acq: 1 Aug 2015 7:33

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	30148		
179	26.6	12.2	18.2#	
176	23.1	14.8	22.2#	





#75

Carbazole

Concen: 2.70 ng/ul

RT: 17.33 min Scan# 2492

Delta R.T. 0.01 min

Lab File: BG018208.D

Acq: 1 Aug 2015 7:33

Instrument :

BNA_G

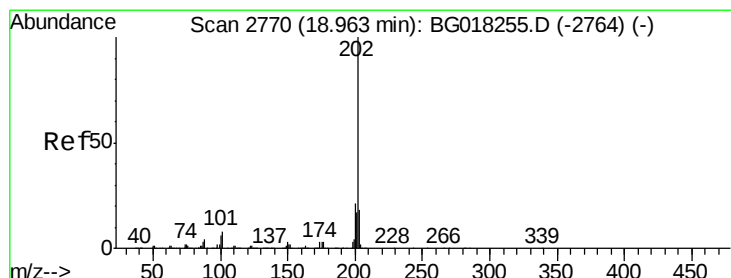
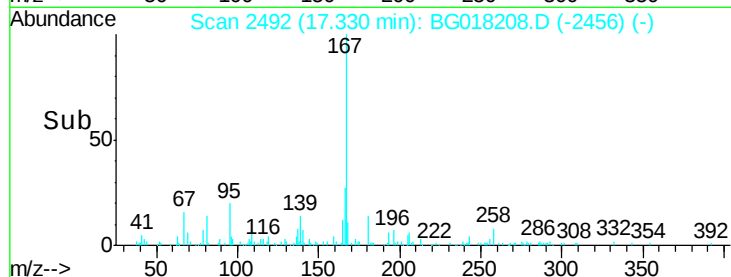
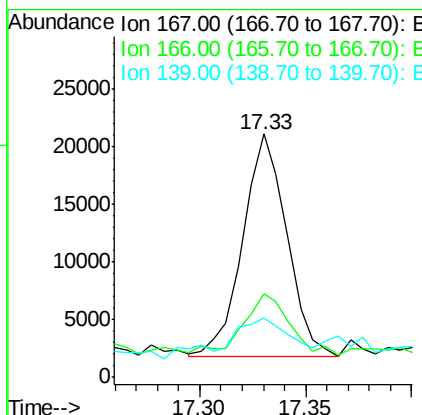
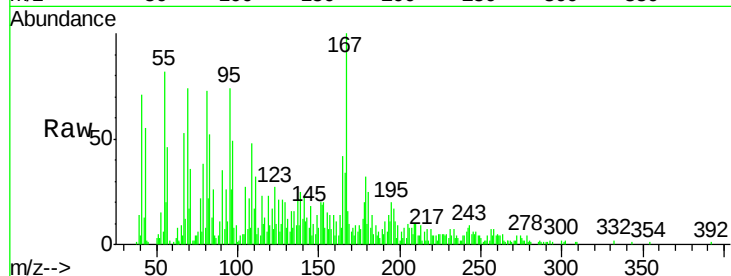
ClientSampleId :

C01Z4

Tgt Ion:	167	Resp:	27801
Ion Ratio		Lower	Upper
167	100		
166	34.5	17.5	26.3#
139	24.6	10.1	15.1#

Manual Integrations
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#77

Fluoranthene

Concen: 51.38 ng/ul

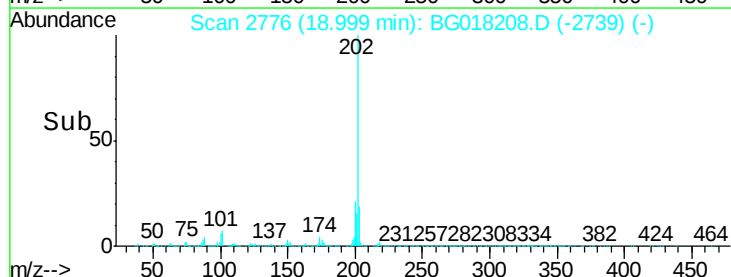
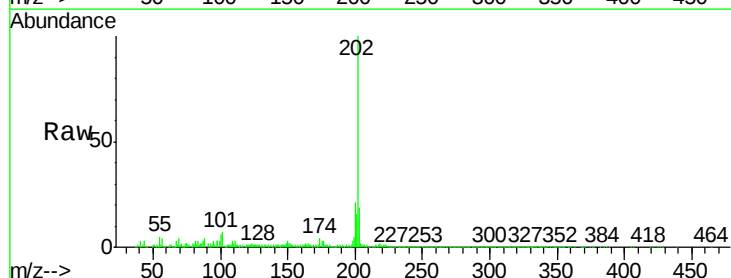
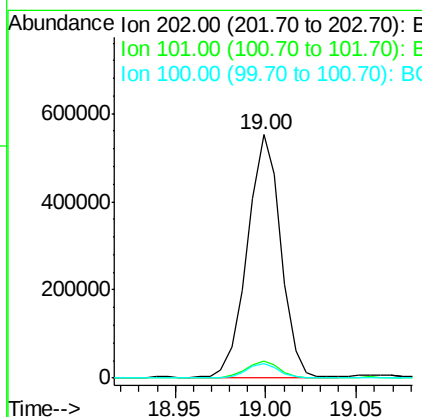
RT: 19.00 min Scan# 2776

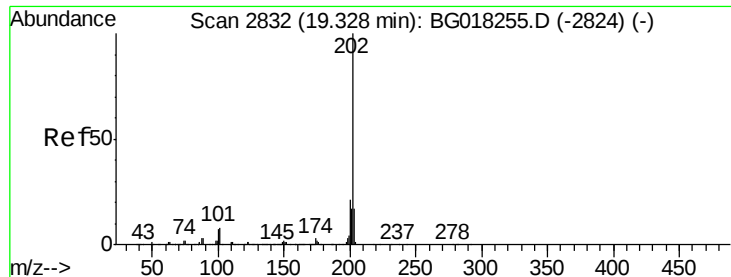
Delta R.T. 0.02 min

Lab File: BG018208.D

Acq: 1 Aug 2015 7:33

Tgt Ion:	202	Resp:	701707
Ion Ratio		Lower	Upper
202	100		
101	7.0	7.5	11.3#
100	5.9	5.5	8.3





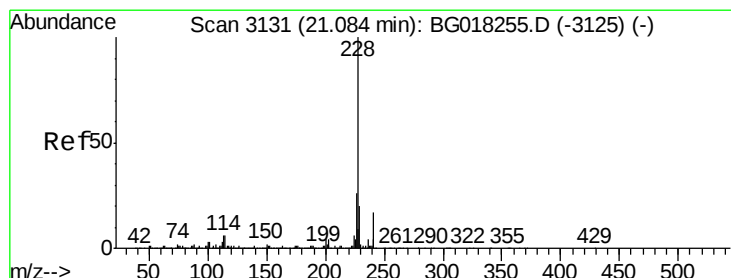
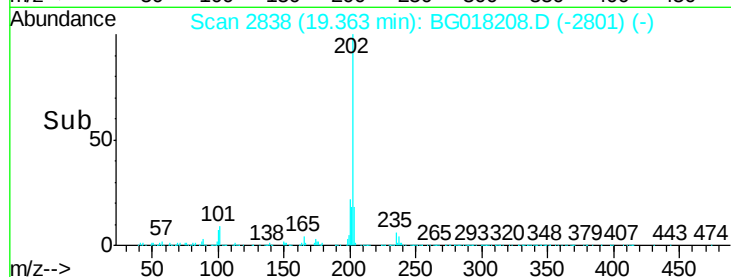
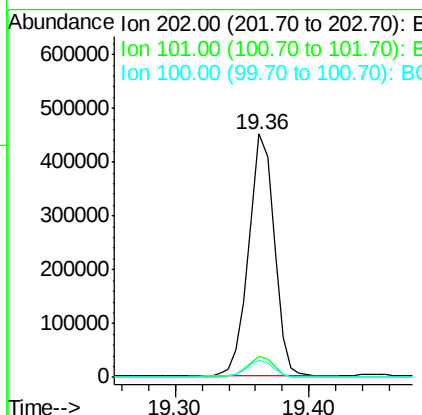
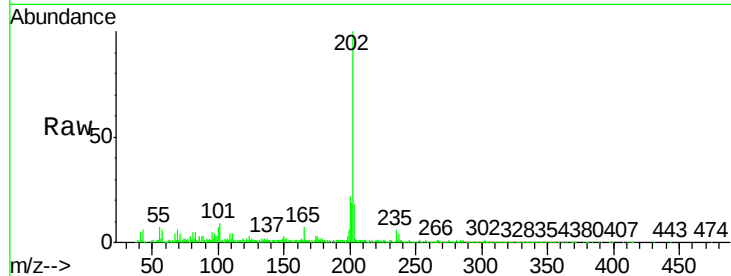
#80
 Pyrene
 Concen: 30.76 ng/ul
 RT: 19.36 min Scan# 2838
 Delta R.T. 0.02 min
 Lab File: BG018208.D
 Acq: 1 Aug 2015 7:33

Instrument :
 BNA_G
 ClientSampleId :
 C01Z4

Tgt Ion	Ratio	Resp Lower	Resp Upper
202	100		
101	8.8	8.1	12.1
100	7.2	7.4	11.0

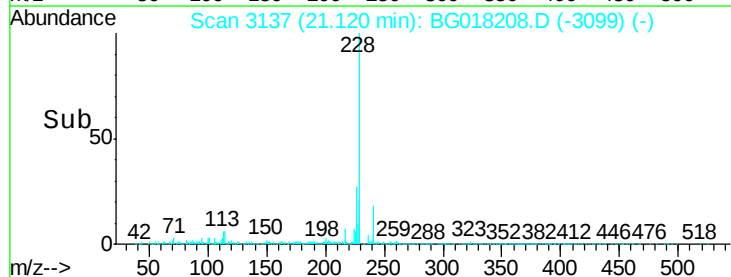
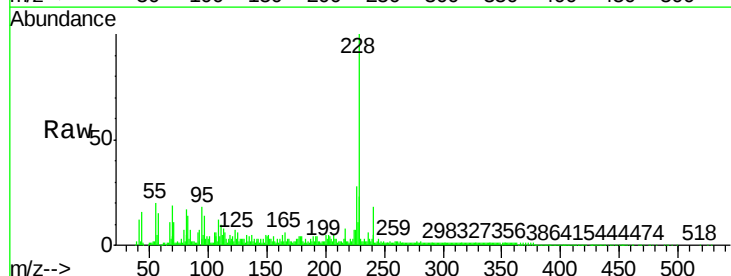
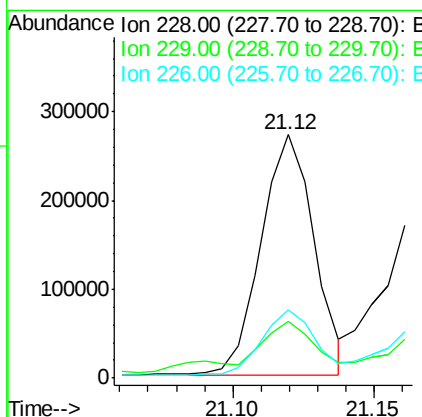
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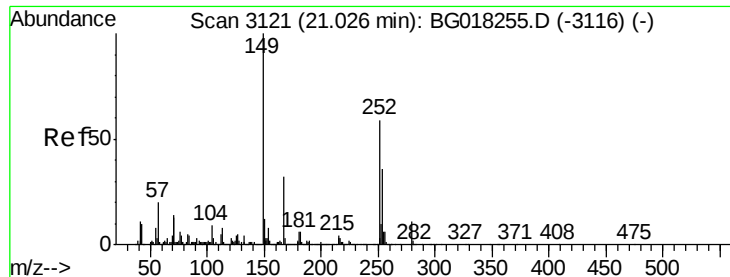
MMDadoda
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#83
 Benzo(a)anthracene
 Concen: 20.57 ng/ul
 RT: 21.12 min Scan# 3137
 Delta R.T. 0.02 min
 Lab File: BG018208.D
 Acq: 1 Aug 2015 7:33

Tgt Ion	Ratio	Resp Lower	Resp Upper
228	100		
229	23.2	16.5	24.7
226	28.1	21.5	32.3





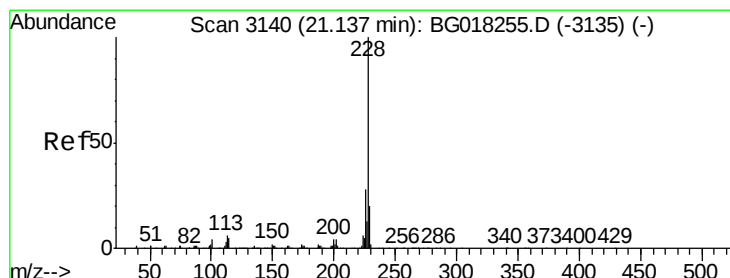
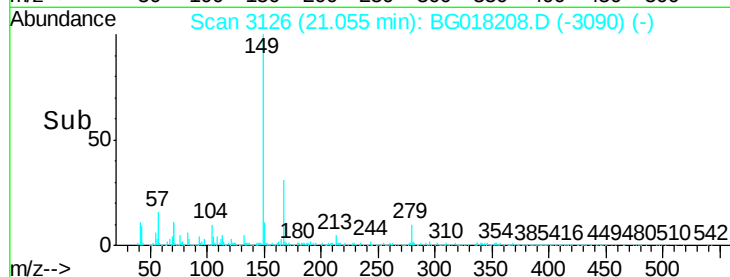
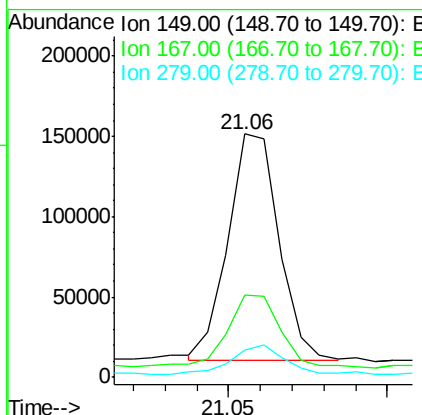
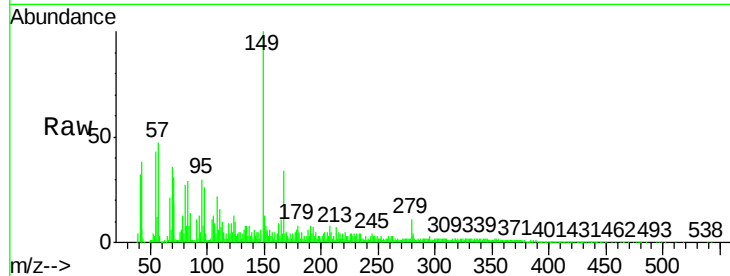
#84
 Bis(2-ethylhexyl)phthalate
 Concen: 14.74 ng/ul
 RT: 21.06 min Scan# 3126
 Delta R.T. 0.01 min
 Lab File: BG018208.D
 Acq: 1 Aug 2015 7:33

Instrument :
 BNA_G
 ClientSampleId :
 C01Z4

Tgt Ion	Ratio	Resp Lower	Resp Upper
149	100		
167	33.8	27.4	41.2
279	11.3	8.3	12.5

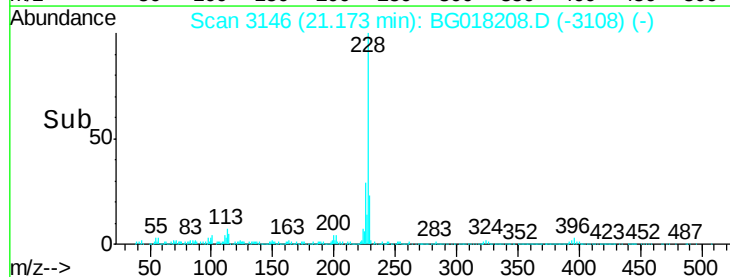
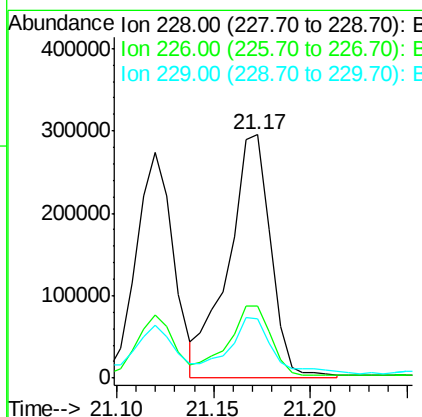
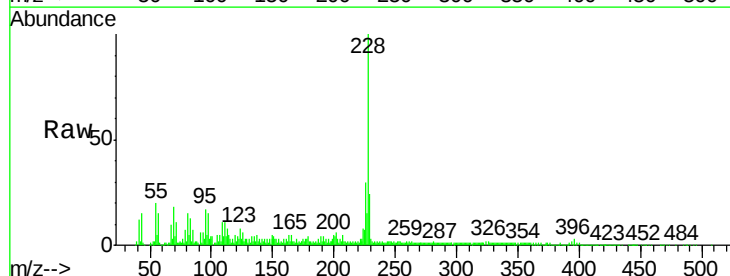
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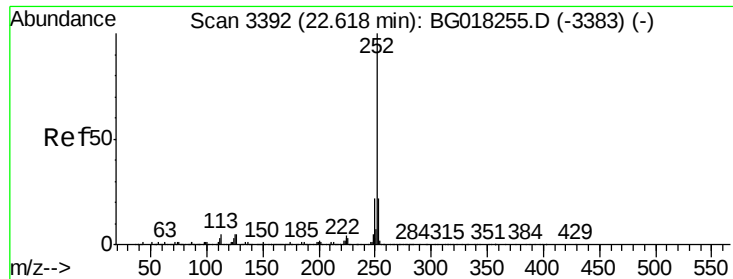
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#85
 Chrysene
 Concen: 28.45 ng/ul m
 RT: 21.17 min Scan# 3146
 Delta R.T. 0.02 min
 Lab File: BG018208.D
 Acq: 1 Aug 2015 7:33

Tgt Ion	Ratio	Resp Lower	Resp Upper
228	100		
226	29.9	22.7	34.1
229	24.4	16.2	24.2





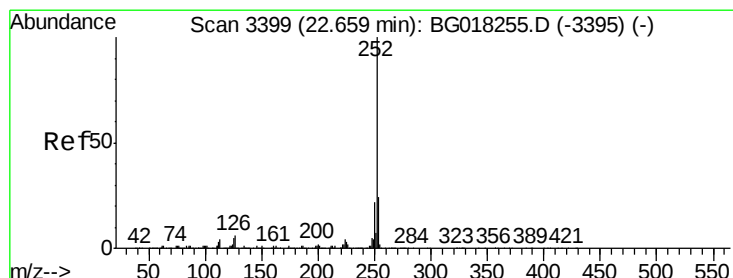
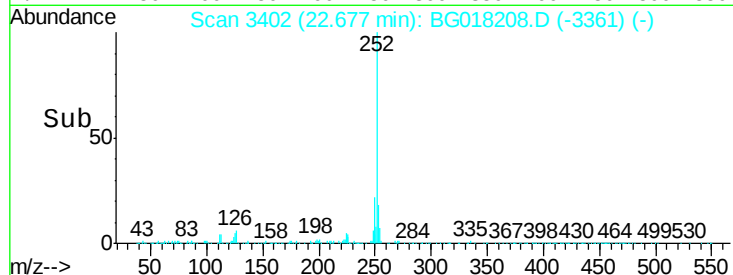
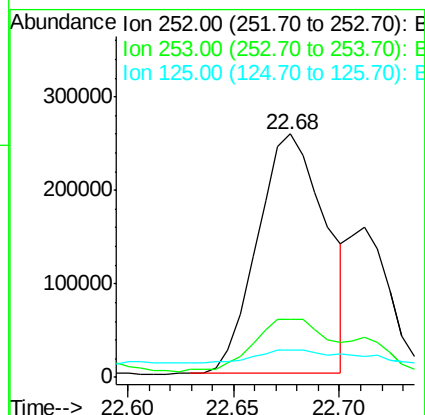
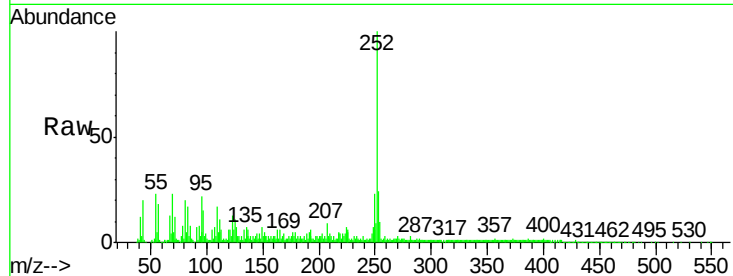
#88
Benzo(b)fluoranthene
Concen: 27.63 ng/ul
RT: 22.68 min Scan# 3402
Delta R.T. 0.04 min
Lab File: BG018208.D
Acq: 1 Aug 2015 7:33

Instrument :
BNA_G
ClientSampleId :
C01Z4

Tgt Ion	Ratio	Resp Lower	Upper
252	100		
253	24.1	18.5	27.7
125	11.4	7.4	11.0#

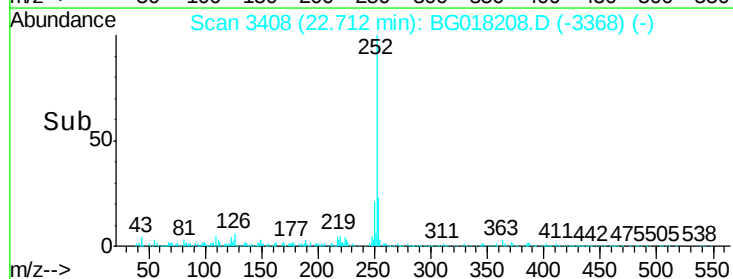
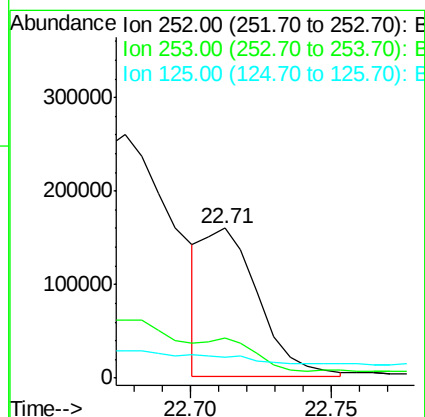
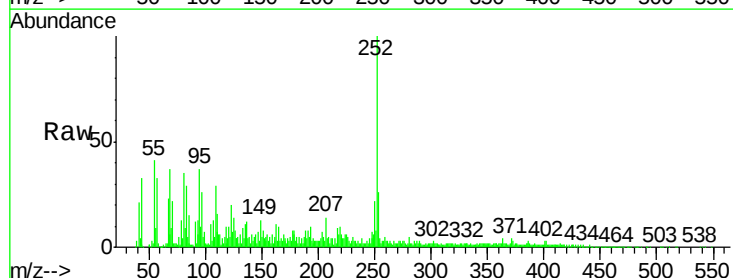
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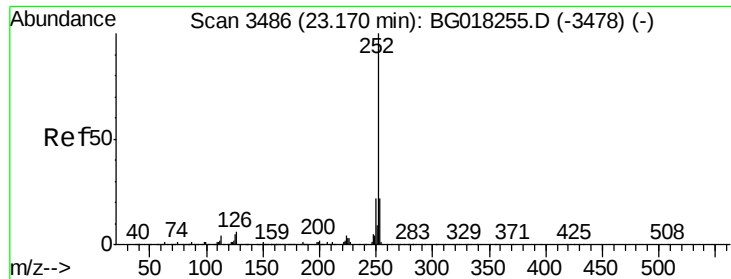
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#89
Benzo(k)fluoranthene
Concen: 11.32 ng/ul m
RT: 22.71 min Scan# 3408
Delta R.T. 0.04 min
Lab File: BG018208.D
Acq: 1 Aug 2015 7:33

Tgt Ion	Ratio	Resp Lower	Upper
252	100		
253	26.4	18.2	27.2
125	13.6	7.5	11.3#





#91

Benzo(a)pyrene

Concen: 15.18 ng/ul

RT: 23.23 min Scan# 3497

Delta R.T. 0.04 min

Lab File: BG018208.D

Acq: 1 Aug 2015 7:33

Instrument :

BNA_G

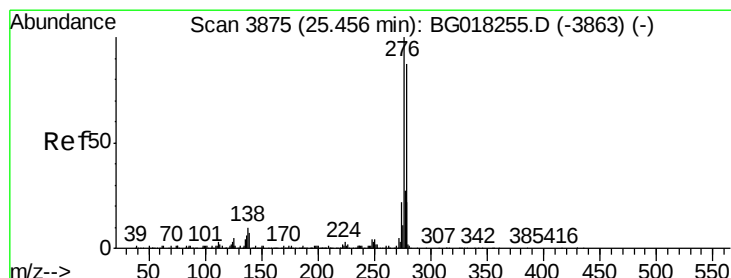
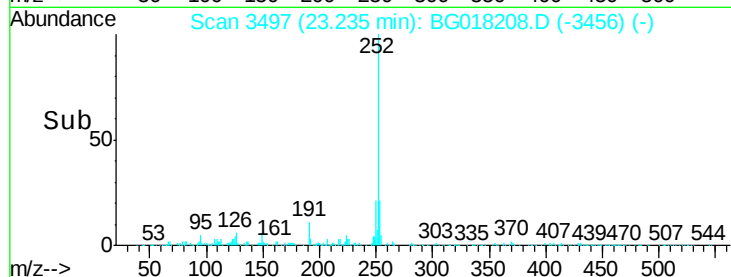
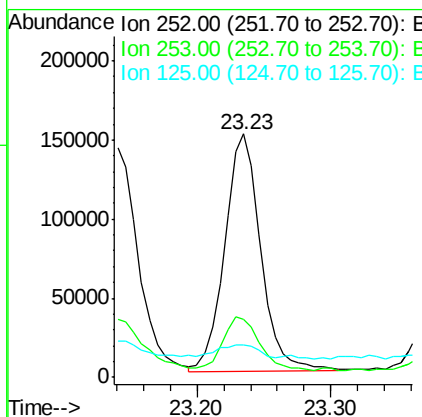
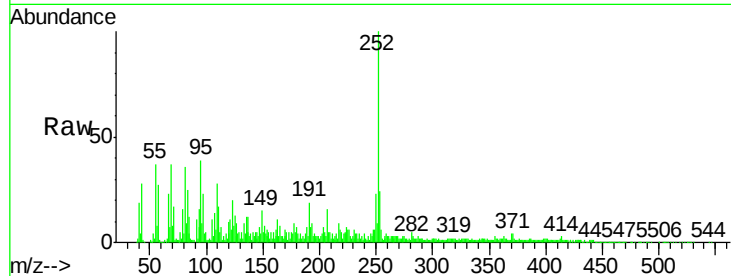
ClientSampleId :

C01Z4

Tgt Ion	Ratio	Resp	Lower	Upper
252	100	282425		
253	23.7	17.4	26.2	
125	13.4	7.3	10.9	

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#92

Indeno(1,2,3-cd)pyrene

Concen: 8.75 ng/ul

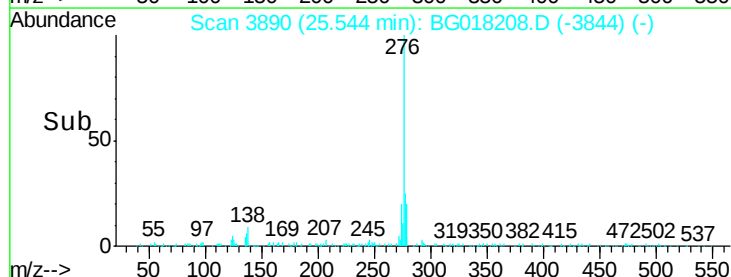
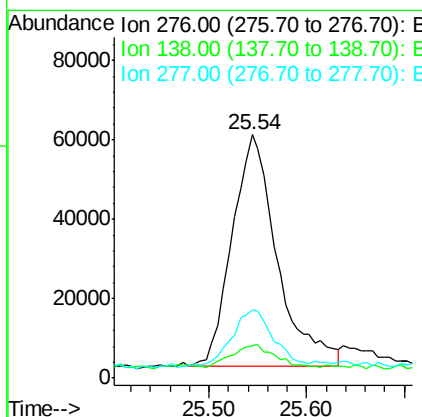
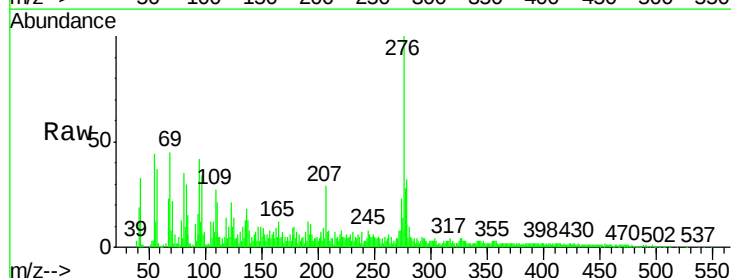
RT: 25.54 min Scan# 3890

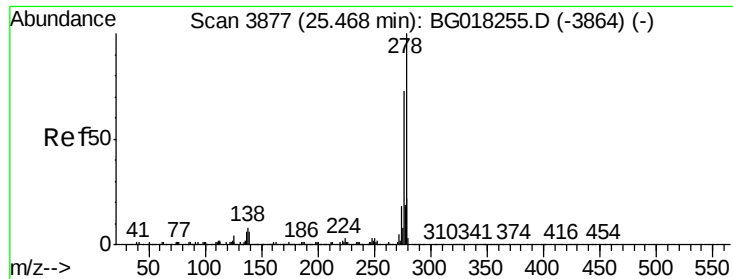
Delta R.T. 0.07 min

Lab File: BG018208.D

Acq: 1 Aug 2015 7:33

Tgt Ion	Ratio	Resp	Lower	Upper
276	100	188307		
138	13.4	17.2	25.8	
277	28.1	19.5	29.3	





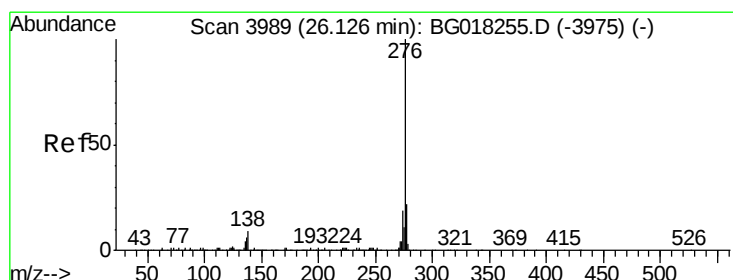
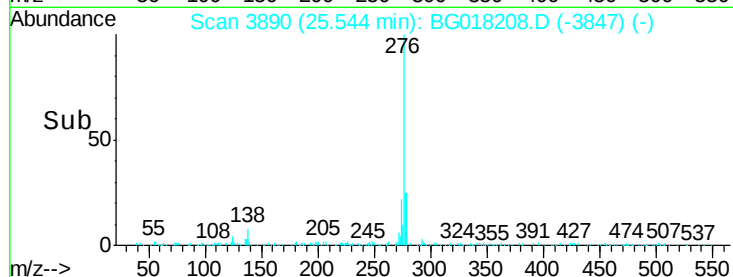
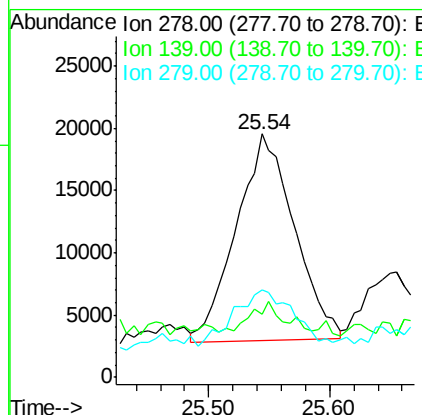
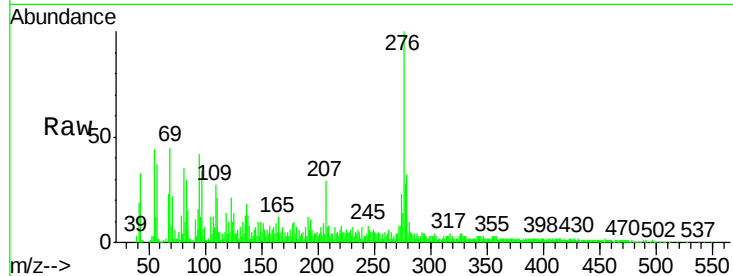
#93
 Dibenzo(a,h)anthracene
 Concen: 3.00 ng/ul
 RT: 25.54 min Scan# 3890
 Delta R.T. 0.05 min
 Lab File: BG018208.D
 Acq: 1 Aug 2015 7:33

Instrument :
 BNA_G
 ClientSampleId :
 C01Z4

Tgt Ion	Ratio	Lower	Upper
278	100		
139	25.8	12.2	18.2#
279	36.0	20.0	30.0#

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#94
 Benzo(g,h,i)perylene
 Concen: 8.82 ng/ul
 RT: 26.23 min Scan# 4006
 Delta R.T. 0.08 min
 Lab File: BG018208.D
 Acq: 1 Aug 2015 7:33

Tgt Ion	Ratio	Lower	Upper
276	100		
138	15.5	15.1	22.7
277	25.4	19.8	29.6

