

Data Path : Z:\HPCHEM1\BNA_G\Data\BG080215\
 Data File : BG018229.D
 Acq On : 2 Aug 2015 17:00
 Operator : TP
 Sample : G3065-01RE
 Misc :
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 C01Z4RE

Manual Integrations
 APPROVED

MMDadoda
 8/4/2015 12:19:40 PM

Quant Time: Aug 03 18:30:59 2015
 Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG073115.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Mon Aug 03 05:58:42 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.48	152	83125	20.00	ng/ul	0.01
18) Naphthalene-d8	10.27	136	326766	20.00	ng/ul	0.02
36) Acenaphthene-d10	14.16	164	155040	20.00	ng/ul	0.02
62) Phenanthrene-d10	16.93	188	278632	20.00	ng/ul	0.02
78) Chrysene-d12	21.14	240	379102	20.00	ng/ul	0.03
86) Perylene-d12	23.34	264	347411	20.00	ng/ul	0.05

System Monitoring Compounds

3) 1,4-Dioxane-d8	2.97	96	1084m	0.98	ng/uL	0.01
5) Phenol-d5	6.69	99	56942	7.62	ng/ul	0.02
7) Bis-(2-Chloroethyl)ether-d	6.83	67	33753	8.83	ng/ul	0.01
9) 2-Chlorophenol-d4	7.02	132	49063	8.69	ng/ul	0.01
13) 4-Methylphenol-d8	8.22	113	17927	2.95	ng/ul	0.02
19) Nitrobenzene-d5	8.64	128	29236	11.36	ng/ul	0.02
22) 2-Nitrophenol-d4	9.36	143	28418	9.62	ng/ul	0.02
26) 2,4-Dichlorophenol-d3	9.91	165	48519	9.29	ng/ul	0.02
29) 4-Chloroaniline-d4	0.00	131	0d	0.00	ng/ul	
44) Dimethylphthalate-d6	13.58	166	137999	11.52	ng/ul	0.01
47) Acenaphthylene-d8	13.85	160	153470	11.05	ng/ul	0.02
52) 4-Nitrophenol-d4	14.42	143	10320	4.65	ng/ul	0.03
58) Fluorene-d10	15.17	176	111176	10.25	ng/ul	0.02
63) 4,6-Dinitro-2-methylphenol	15.31	200	234	0.12	ng/ul	0.02
71) Anthracene-d10	17.03	188	143788m	11.87	ng/ul	0.02
79) Pyrene-d10	19.34	212	157138	8.57	ng/ul	0.02
90) Benzo(a)pyrene-d12	23.20	264	192422	10.95	ng/ul	0.05

Target Compounds

						Qvalue
28) Naphthalene	10.32	128	85623	5.44	ng/ul#	97
34) 2-Methylnaphthalene	11.95	142	88320	7.09	ng/ul	97
35) 1-Methylnaphthalene	12.17	142	65897	5.51	ng/ul#	95
45) Dimethylphthalate	13.63	163	225378	18.91	ng/ul	100
50) Acenaphthene	14.22	153	13622	1.52	ng/ul#	81
54) Dibenzofuran	14.57	168	22782	1.68	ng/ul#	56
59) Fluorene	15.22	166	14539	1.24	ng/ul#	79
70) Phenanthrene	16.97	178	396134	27.99	ng/ul	99
72) Anthracene	17.06	178	32680m	2.32	ng/ul	
75) Carbazole	17.34	167	29209	2.50	ng/ul#	71
77) Fluoranthene	19.01	202	792109	50.95	ng/ul#	92
80) Pyrene	19.37	202	663418	28.85	ng/ul#	92
83) Benzo(a)anthracene	21.13	228	417715	20.46	ng/ul	97
84) Bis(2-ethylhexyl)phthalate	21.06	149	176697	14.02	ng/ul#	94
85) Chrysene	21.18	228	516942	27.64	ng/ul	94
88) Benzo(b)fluoranthene	22.69	252	654052	31.34	ng/ul#	93
89) Benzo(k)fluoranthene	22.73	252	225927m	11.78	ng/ul	
91) Benzo(a)pyrene	23.25	252	286054	15.32	ng/ul#	87
92) Indeno(1,2,3-cd)pyrene	25.57	276	160083	7.41	ng/ul#	87
93) Dibenzo(a,h)anthracene	25.56	278	50003m	2.70	ng/ul	
94) Benzo(g,h,i)perylene	26.26	276	135397	7.68	ng/ul#	91

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ALS Vial : 28 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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Manual Integrations
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Quant Time: Aug 03 18:30:59 2015
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG073115.M
Quant Title : SVOA CALIBRATION
QLast Update : Mon Aug 03 05:58:42 2015
Response via : Initial Calibration

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

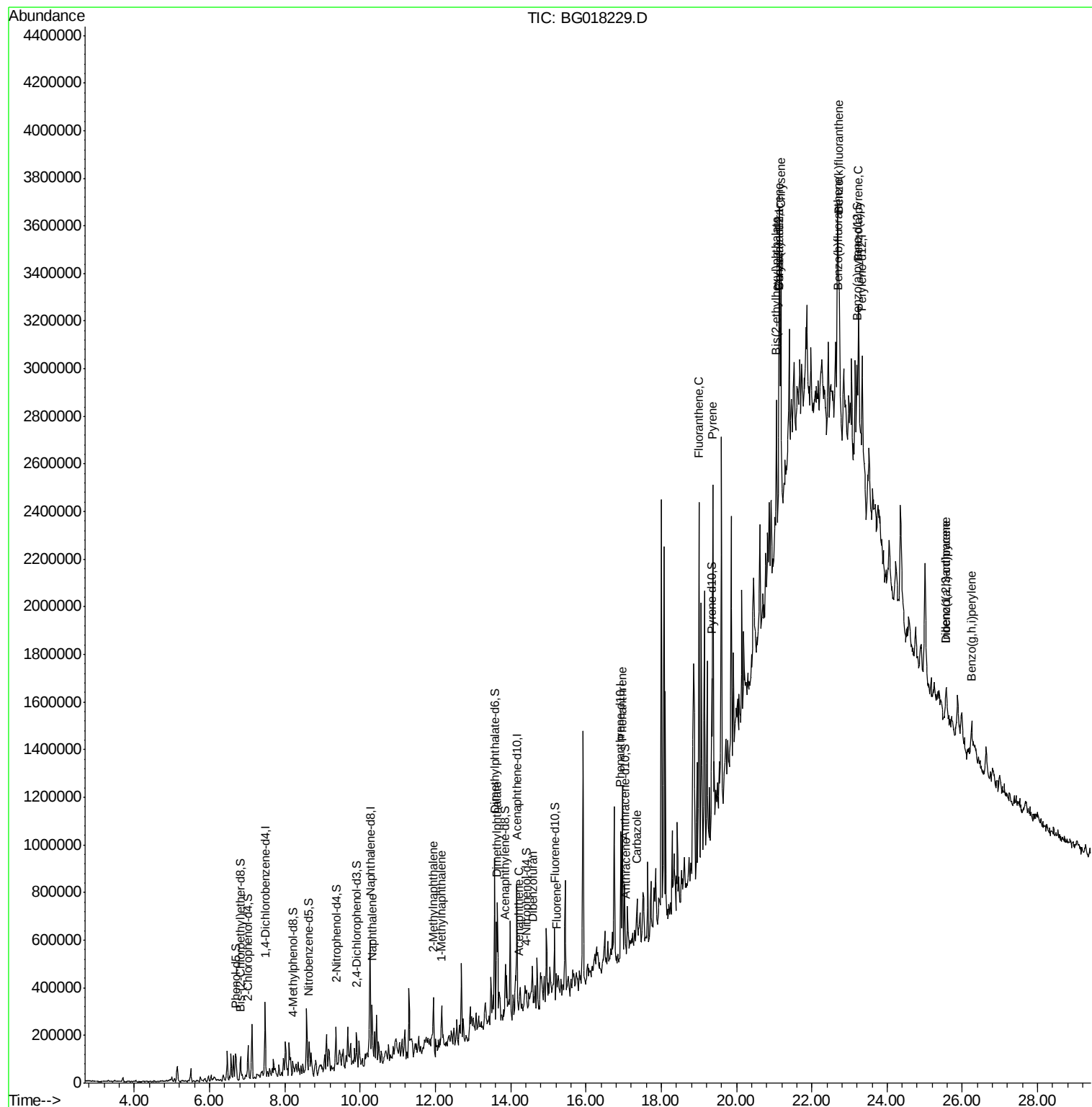
Data Path : Z:\HPCHEM1\BNA_G\Data\BG080215\
Data File : BG018229.D
Acq On : 2 Aug 2015 17:00
Operator : TP
Sample : G3065-01RE
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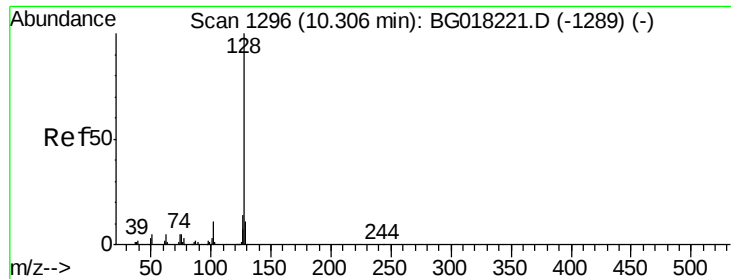
Instrument :
BNA_G
ClientSampled :
C01Z4RE

Manual Integrations
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8/4/2015 12:19:40 PM

Quant Time: Aug 03 18:30:59 2015
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG073115.M
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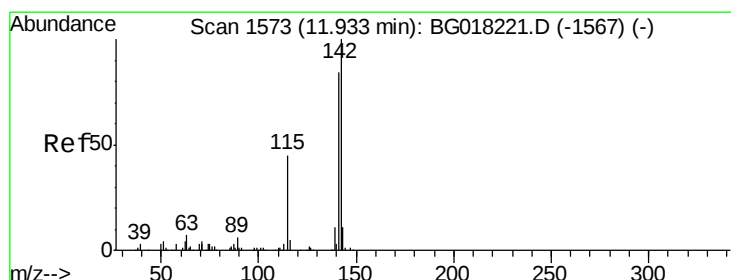
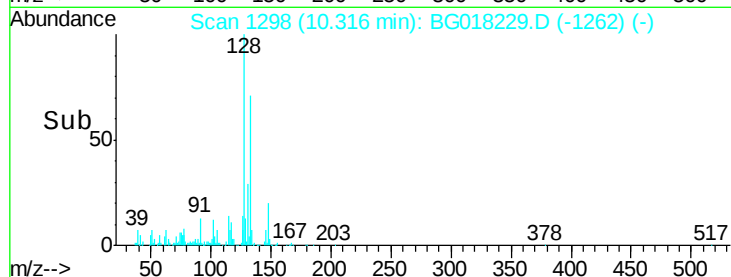
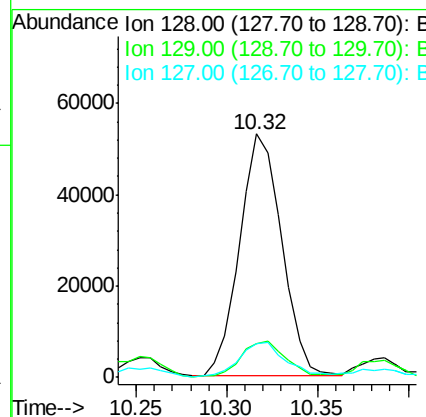
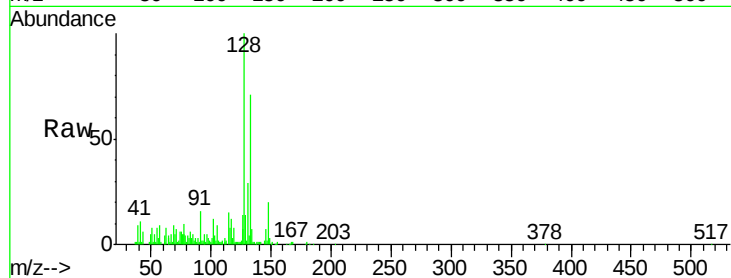
#28
Naphthalene
Concen: 5.44 ng/ul
RT: 10.32 min Scan# 1298
Delta R.T. 0.01 min
Lab File: BG018229.D
Acq: 2 Aug 2015 17:00

Instrument :
BNA_G
ClientSampleId :
C01Z4RE

Tgt Ion	Ratio	Lower	Upper
128	100		
129	14.0	9.1	13.7#
127	14.0	11.2	16.8

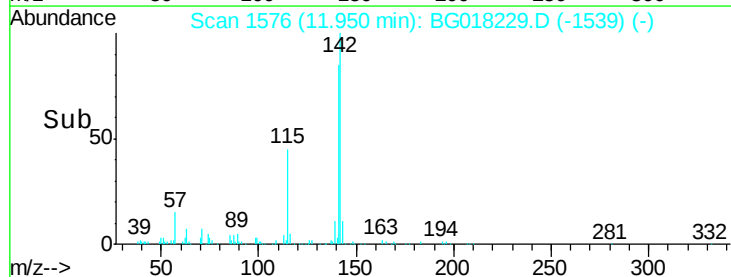
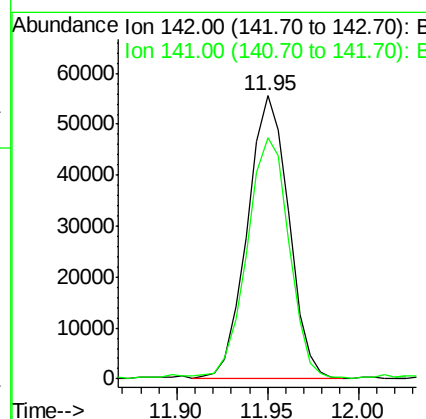
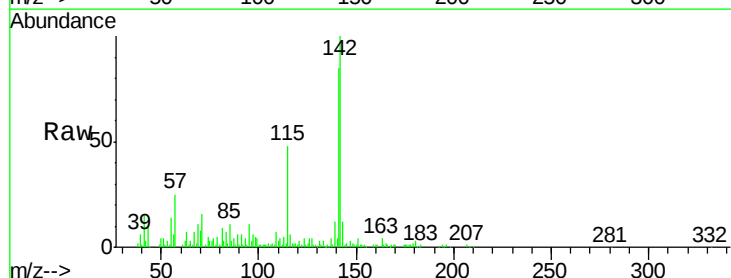
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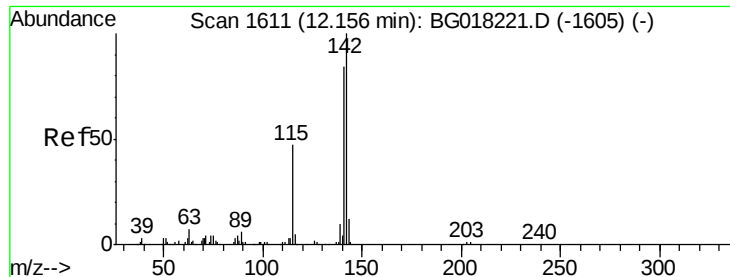
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#34
2-Methylnaphthalene
Concen: 7.09 ng/ul
RT: 11.95 min Scan# 1576
Delta R.T. 0.02 min
Lab File: BG018229.D
Acq: 2 Aug 2015 17:00

Tgt Ion	Ratio	Lower	Upper
142	100		
141	85.4	70.3	105.5





#35

1-Methylnaphthalene

Concen: 5.51 ng/ul

RT: 12.17 min Scan# 1614

Delta R.T. 0.02 min

Lab File: BG018229.D

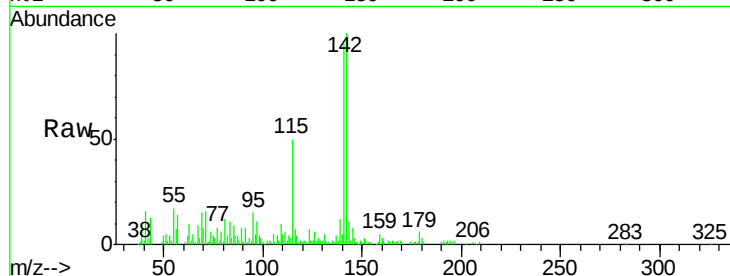
Acq: 2 Aug 2015 17:00

Instrument :

BNA_G

ClientSampled :

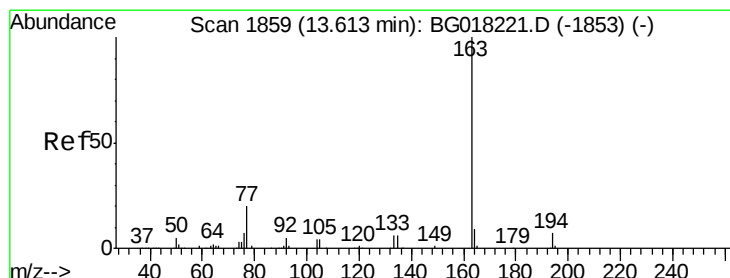
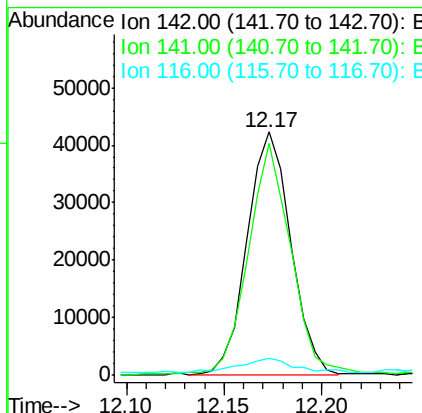
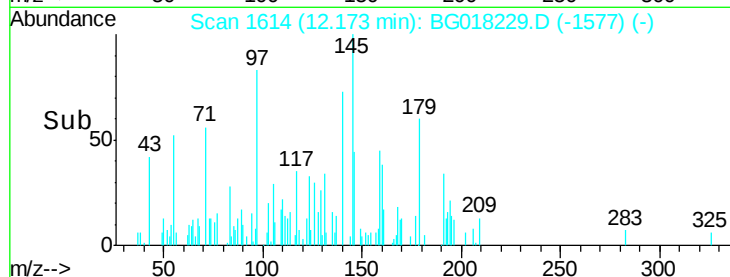
C01Z4RE



Tgt Ion:	142	Resp:	65897
Ion Ratio	Lower	Upper	
142	100		
141	95.3	72.5	108.7
116	7.2	2.6	4.0#

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#45

Dimethylphthalate

Concen: 18.91 ng/ul

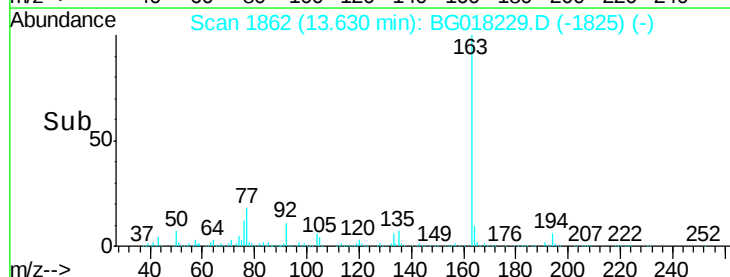
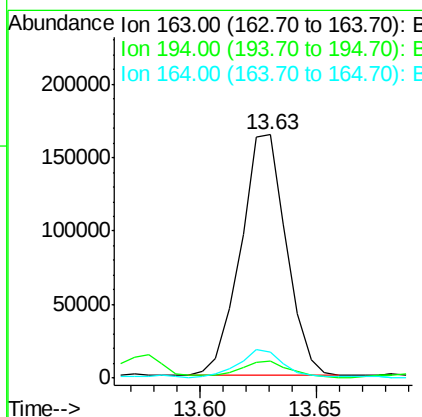
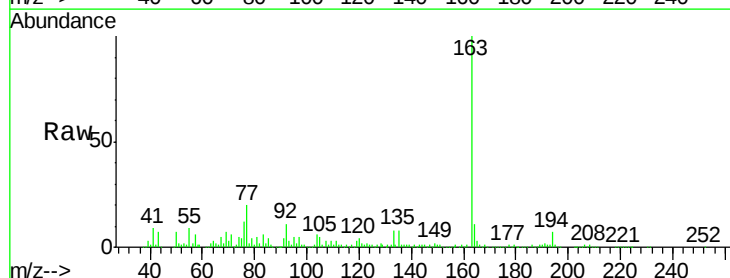
RT: 13.63 min Scan# 1862

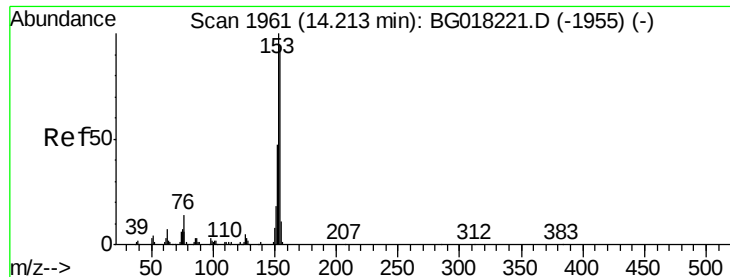
Delta R.T. 0.02 min

Lab File: BG018229.D

Acq: 2 Aug 2015 17:00

Tgt Ion:	163	Resp:	225378
Ion Ratio	Lower	Upper	
163	100		
194	6.8	5.2	7.8
164	10.5	8.4	12.6





#50

Acenaphthene

Concen: 1.52 ng/ul

RT: 14.22 min Scan# 1963

Delta R.T. 0.01 min

Lab File: BG018229.D

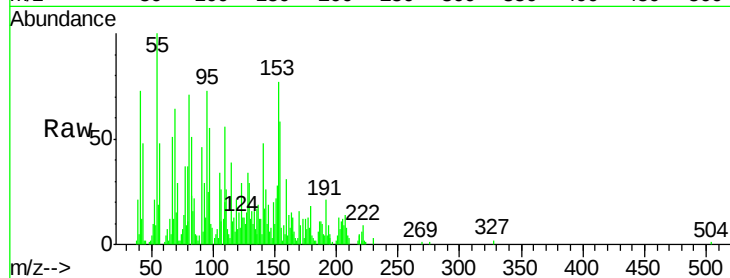
Acq: 2 Aug 2015 17:00

Instrument :

BNA_G

ClientSampleId :

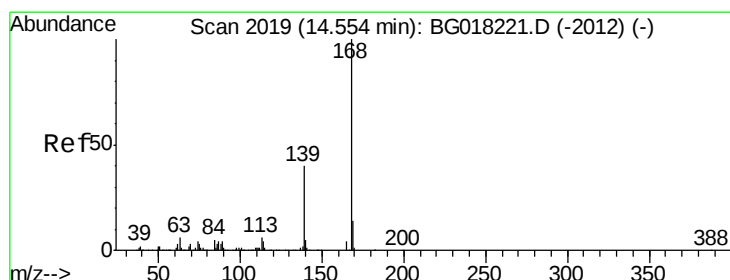
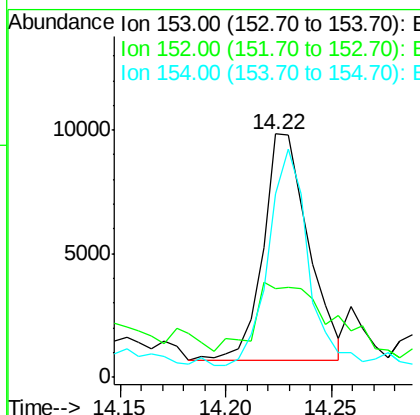
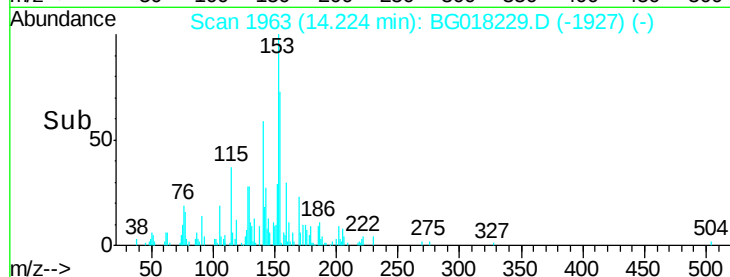
C01Z4RE



Tgt Ion:	153	Resp:	13622
Ion Ratio	Lower	Upper	
153	100		
152	36.3	38.7	58.1#
154	75.3	74.8	112.2

Manual Integrations
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#54

Dibenzofuran

Concen: 1.68 ng/ul

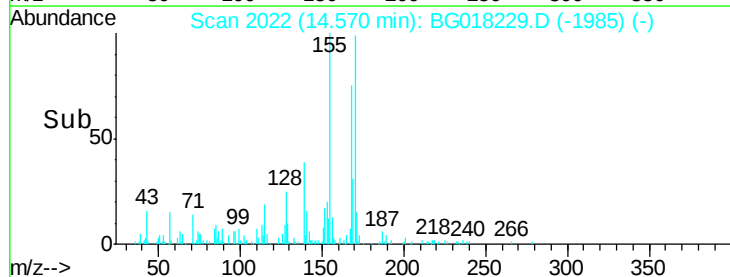
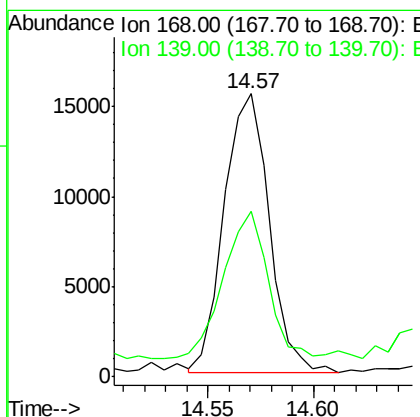
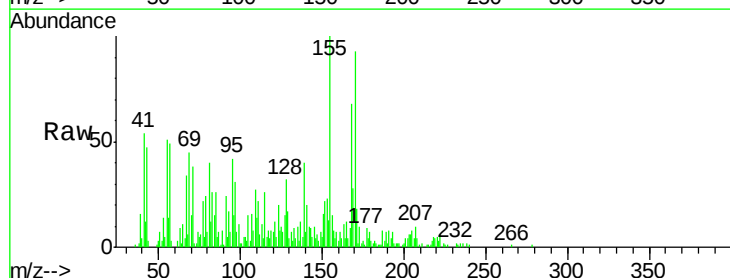
RT: 14.57 min Scan# 2022

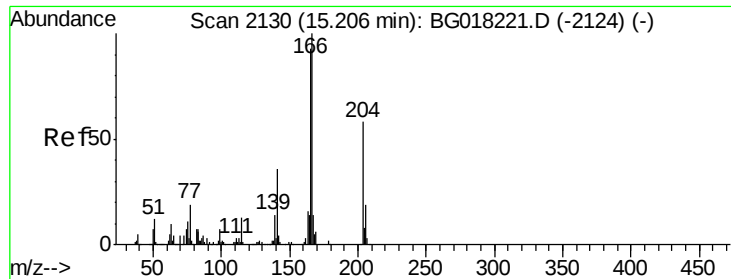
Delta R.T. 0.02 min

Lab File: BG018229.D

Acq: 2 Aug 2015 17:00

Tgt Ion:	168	Resp:	22782
Ion Ratio	Lower	Upper	
168	100		
139	58.6	26.8	40.2#





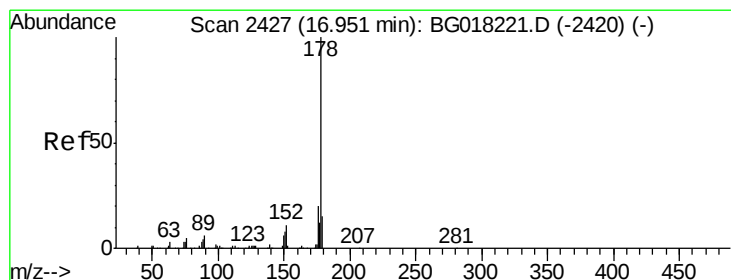
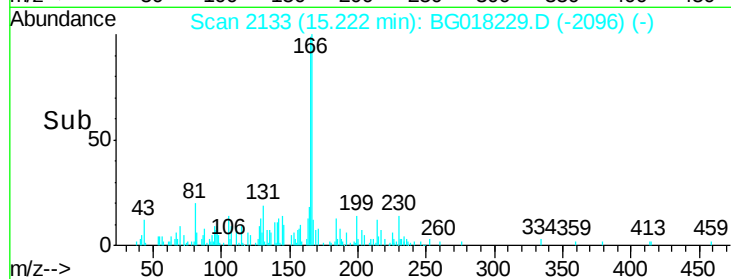
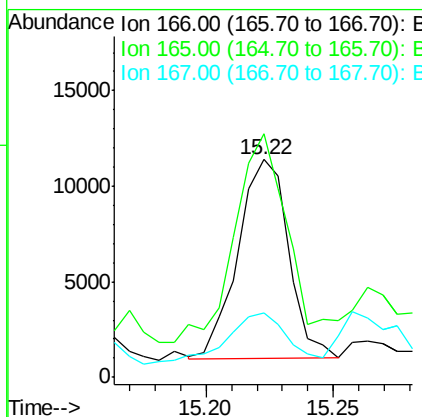
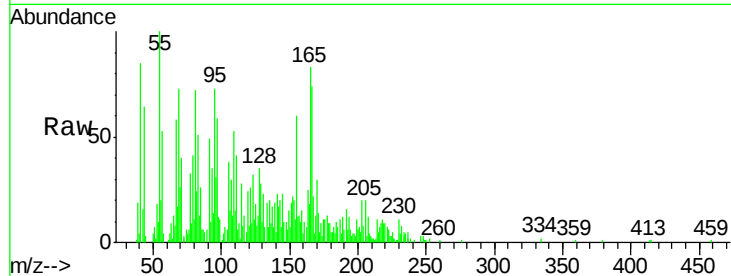
#59
Fluorene
 Concen: 1.24 ng/ul
 RT: 15.22 min Scan# 2133
 Delta R.T. 0.02 min
 Lab File: BG018229.D
 Acq: 2 Aug 2015 17:00

Instrument :
 BNA_G
 ClientSampleId :
 C01Z4RE

Tgt Ion	Ratio	Lower	Upper
166	100		
165	112.0	75.1	112.7
167	29.5	11.8	17.6#

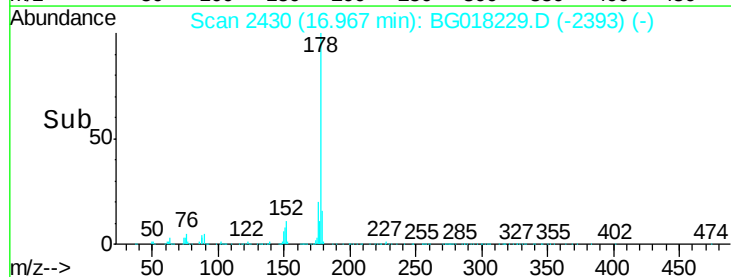
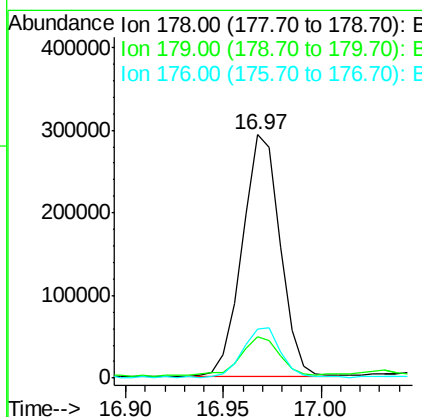
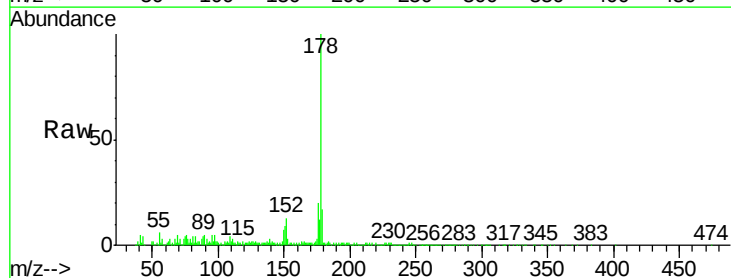
Manual Integrations
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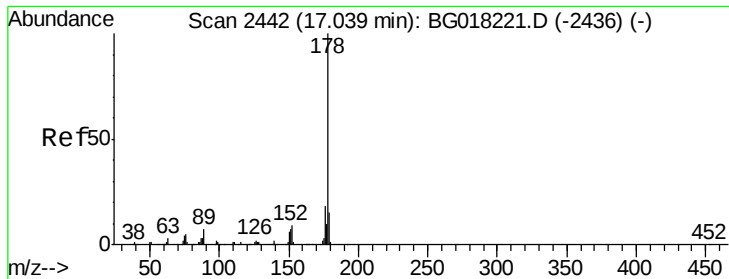
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#70
Phenanthrene
 Concen: 27.99 ng/ul
 RT: 16.97 min Scan# 2430
 Delta R.T. 0.02 min
 Lab File: BG018229.D
 Acq: 2 Aug 2015 17:00

Tgt Ion	Ratio	Lower	Upper
178	100		
179	17.0	12.8	19.2
176	20.0	16.0	24.0





#72

Anthracene

Concen: 2.32 ng/ul m

RT: 17.06 min Scan# 2446

Delta R.T. 0.02 min

Lab File: BG018229.D

Acq: 2 Aug 2015 17:00

Instrument :

BNA_G

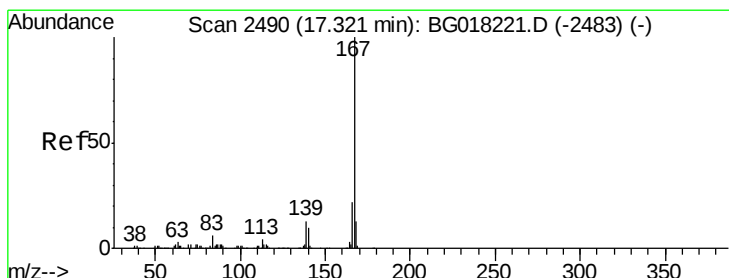
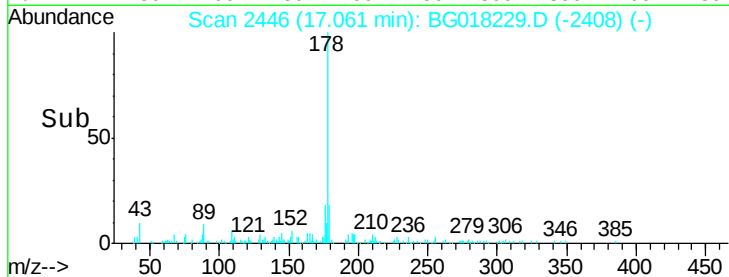
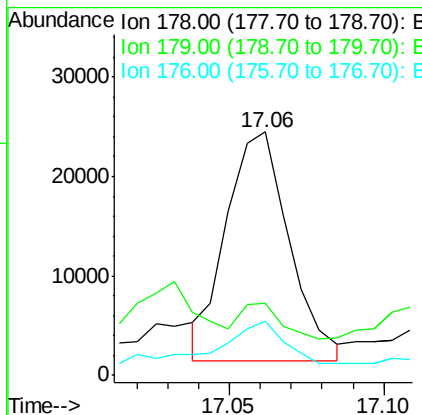
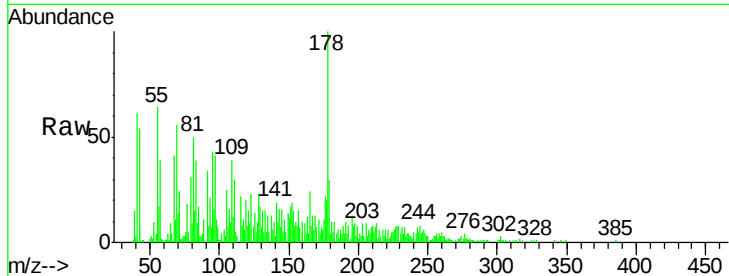
ClientSampleId :

C01Z4RE

Tgt Ion:	178	Resp:	32680
Ion Ratio	Lower	Upper	
178	100		
179	29.8	12.2	18.2#
176	22.3	14.8	22.2#

Manual Integrations
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#75

Carbazole

Concen: 2.50 ng/ul

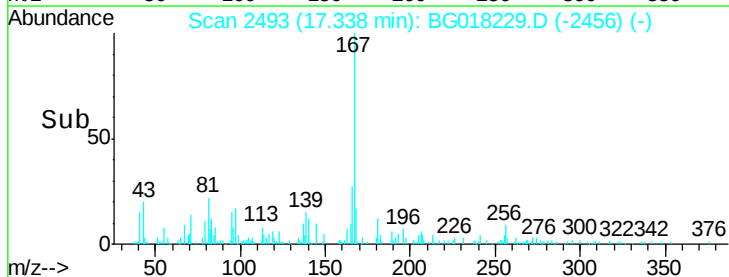
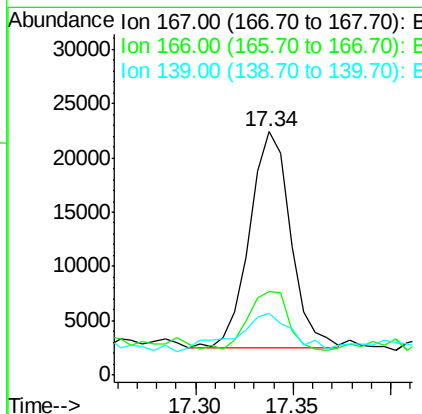
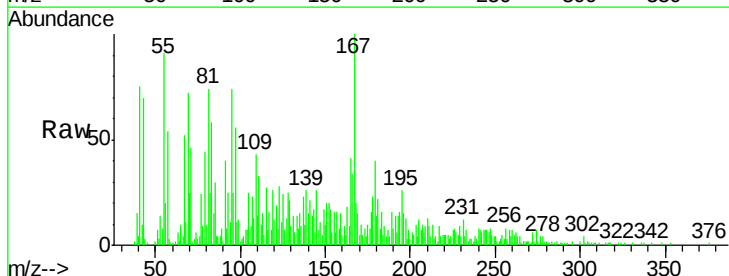
RT: 17.34 min Scan# 2493

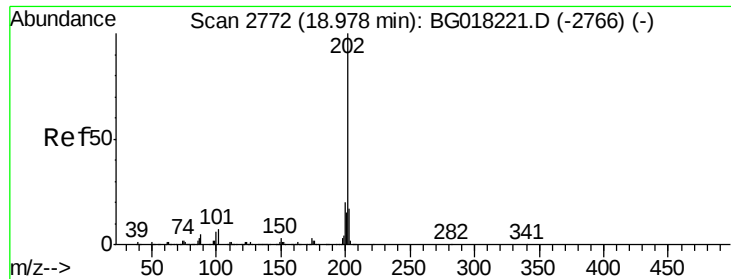
Delta R.T. 0.02 min

Lab File: BG018229.D

Acq: 2 Aug 2015 17:00

Tgt Ion:	167	Resp:	29209
Ion Ratio	Lower	Upper	
167	100		
166	34.3	17.5	26.3#
139	25.6	10.1	15.1#





#77

Fluoranthene

Concen: 50.95 ng/ul

RT: 19.01 min Scan# 2777

Delta R.T. 0.03 min

Lab File: BG018229.D

Acq: 2 Aug 2015 17:00

Instrument :

BNA_G

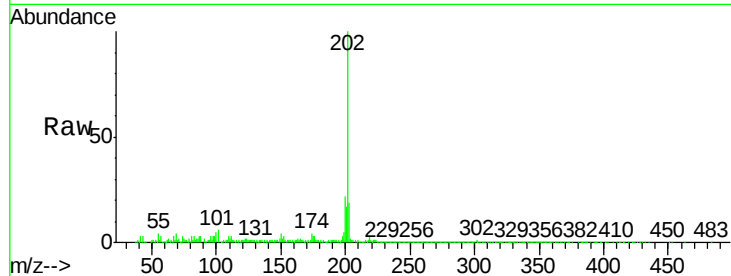
ClientSampleId :

C01Z4RE

Tgt	Ion	Ratio	Resp	Lower	Upper
202	100		792109		
101	6.1	7.5	11.3#		
100	4.9	5.5	8.3#		

Manual Integrations
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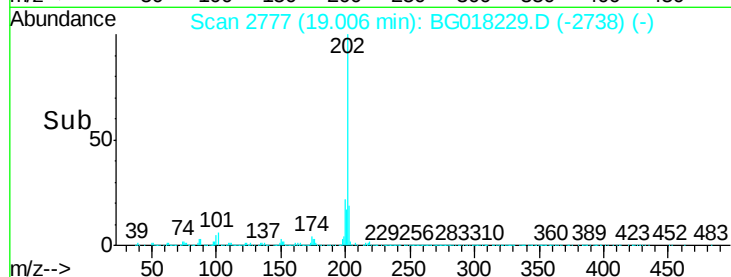


Abundance Ion 202.00 (201.70 to 202.70): E

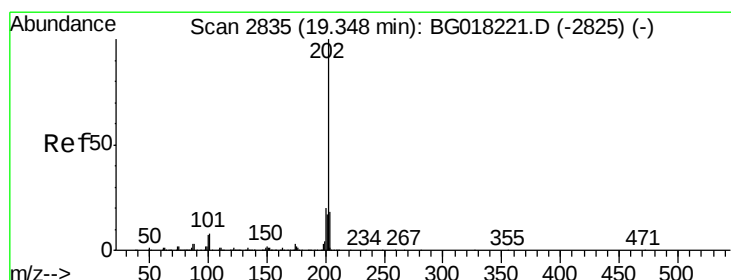
Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B

Time-->



Time-->



#80

Pyrene

Concen: 28.85 ng/ul

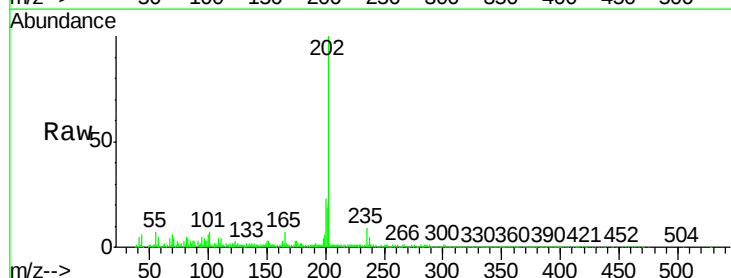
RT: 19.37 min Scan# 2839

Delta R.T. 0.02 min

Lab File: BG018229.D

Acq: 2 Aug 2015 17:00

Tgt	Ion	Ratio	Resp	Lower	Upper
202	100		663418		
101	7.4	8.1	12.1#		
100	6.1	7.4	11.0#		

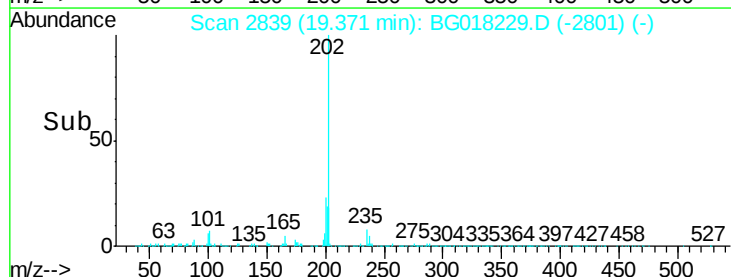


Abundance Ion 202.00 (201.70 to 202.70): E

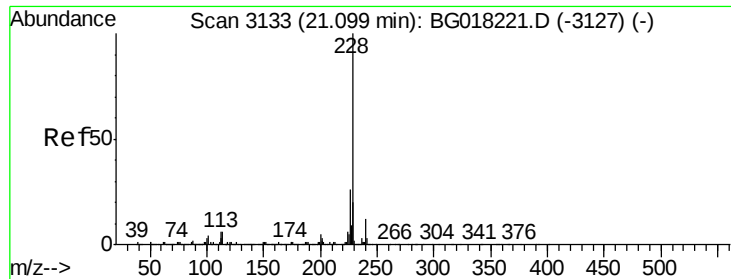
Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B

Time-->



Time-->



#83

Benzo(a)anthracene

Concen: 20.46 ng/ul

RT: 21.13 min Scan# 3138

Delta R.T. 0.03 min

Lab File: BG018229.D

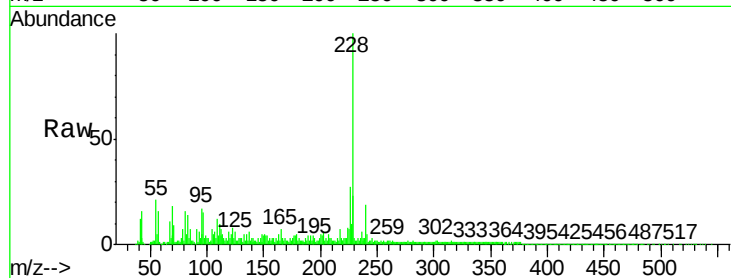
Acq: 2 Aug 2015 17:00

Instrument :

BNA_G

ClientSampleId :

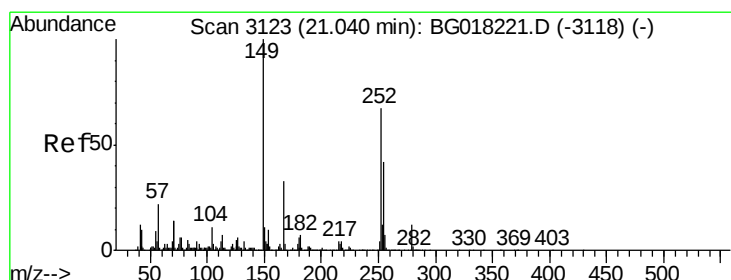
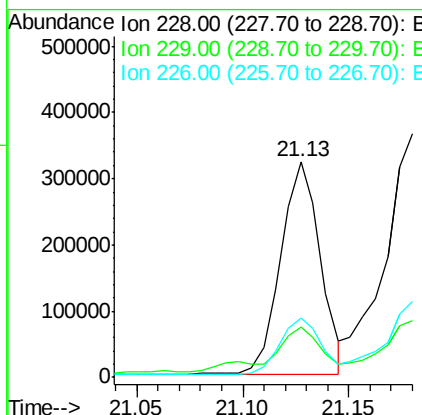
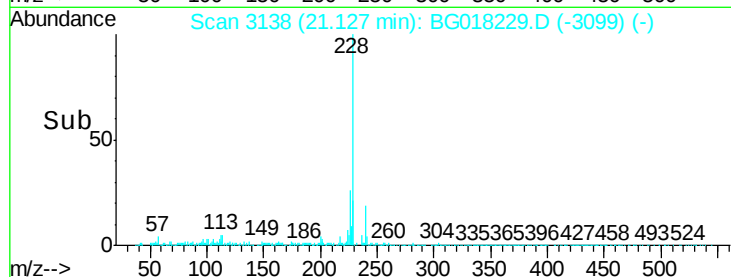
C01Z4RE



Tgt Ion	Ratio	Lower	Upper
228	100		
229	23.1	16.5	24.7
226	27.2	21.5	32.3

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#84

Bis(2-ethylhexyl)phthalate

Concen: 14.02 ng/ul

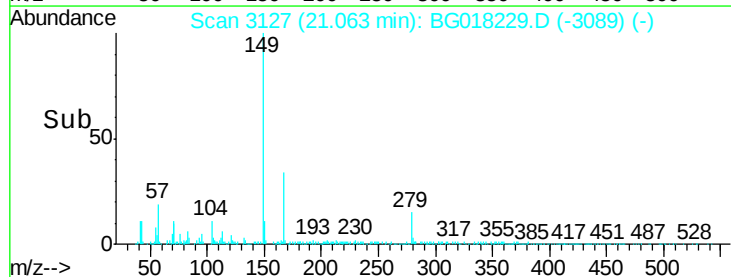
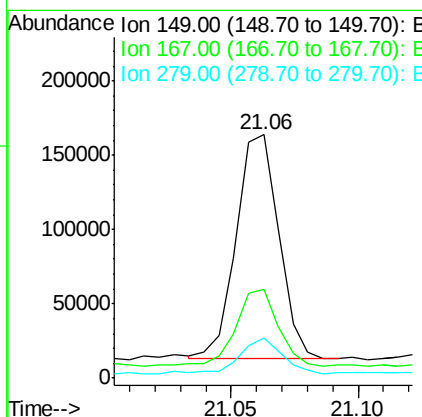
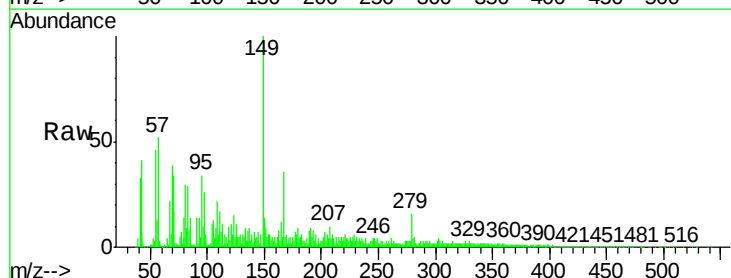
RT: 21.06 min Scan# 3127

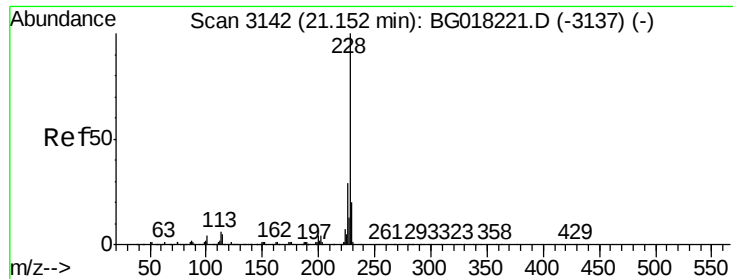
Delta R.T. 0.02 min

Lab File: BG018229.D

Acq: 2 Aug 2015 17:00

Tgt Ion	Ratio	Lower	Upper
149	100		
167	36.2	27.4	41.2
279	16.3	8.3	12.5#





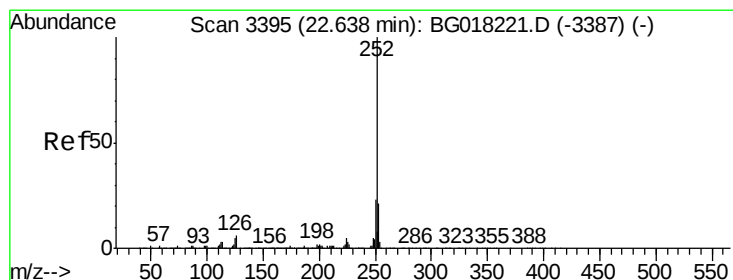
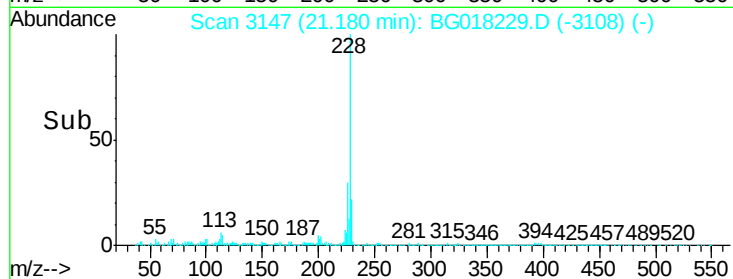
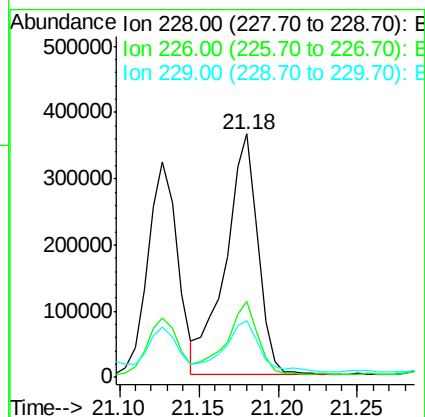
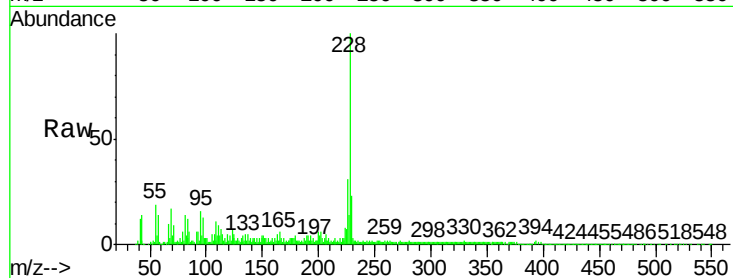
#85
Chrysene
Concen: 27.64 ng/ul
RT: 21.18 min Scan# 3147
Delta R.T. 0.03 min
Lab File: BG018229.D
Acq: 2 Aug 2015 17:00

Instrument :
BNA_G
ClientSampleId :
C01Z4RE

Tgt Ion	Ratio	Resp	Lower	Upper
228	100	516942		
226	31.1	22.7	34.1	
229	23.5	16.2	24.2	

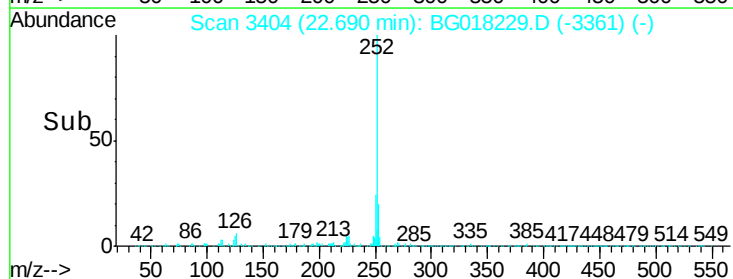
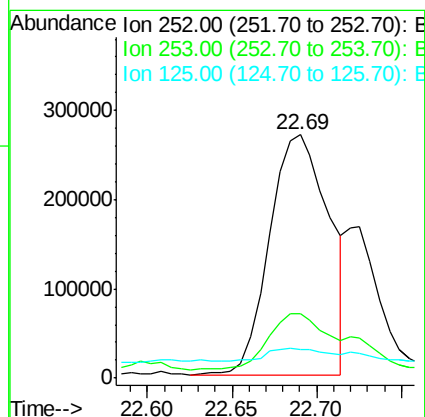
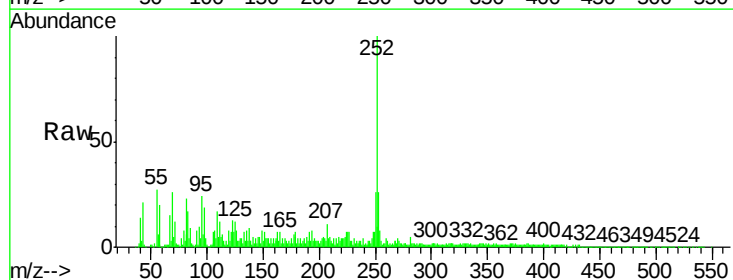
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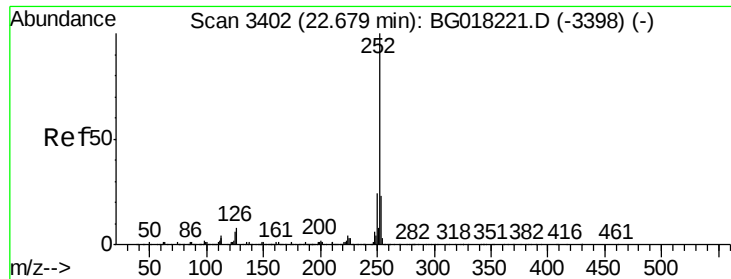
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#88
Benzo(b)fluoranthene
Concen: 31.34 ng/ul
RT: 22.69 min Scan# 3404
Delta R.T. 0.05 min
Lab File: BG018229.D
Acq: 2 Aug 2015 17:00

Tgt Ion	Ratio	Resp	Lower	Upper
252	100	654052		
253	26.3	18.5	27.7	
125	11.7	7.4	11.0#	





#89

Benzo(k)fluoranthene

Concen: 11.78 ng/ul m

RT: 22.73 min Scan# 3410

Delta R.T. 0.05 min

Lab File: BG018229.D

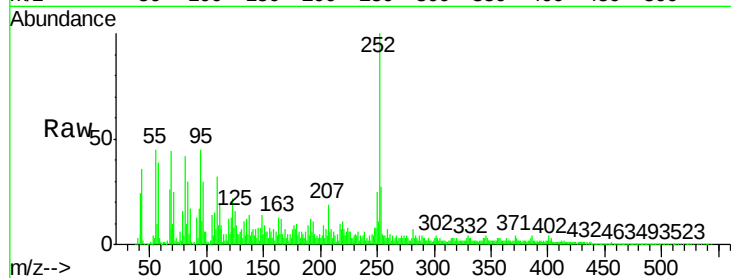
Acq: 2 Aug 2015 17:00

Instrument :

BNA_G

ClientSampleId :

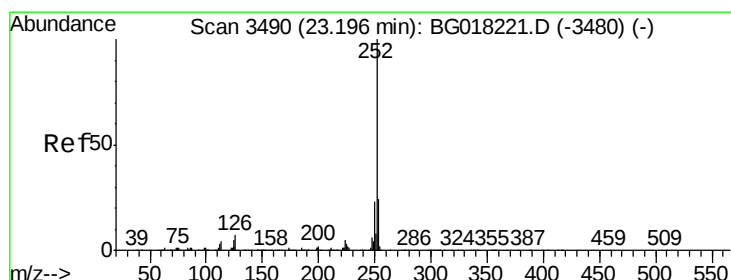
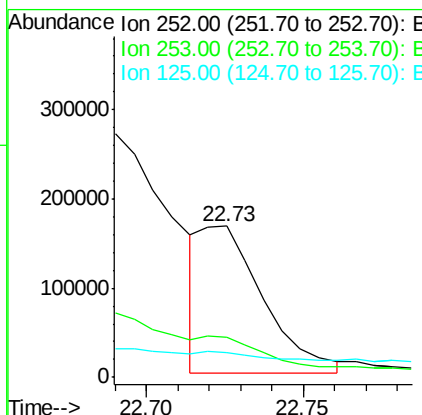
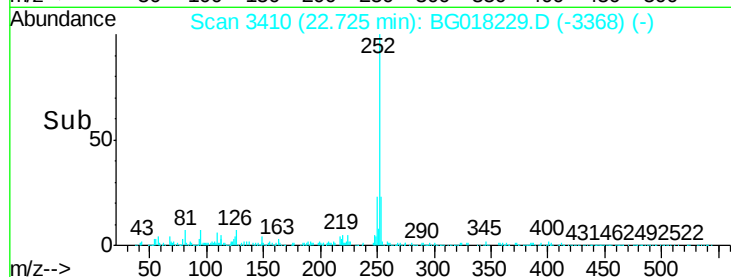
C01Z4RE



Tgt	Ion	Ratio	Resp	Lower	Upper
252	100		225927		
253	26.8	18.2	27.2		
125	16.4	7.5	11.3#		

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#91

Benzo(a)pyrene

Concen: 15.32 ng/ul

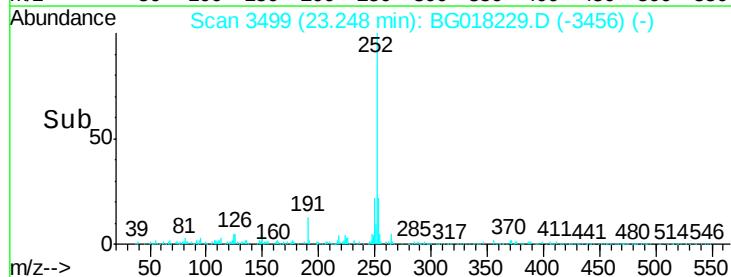
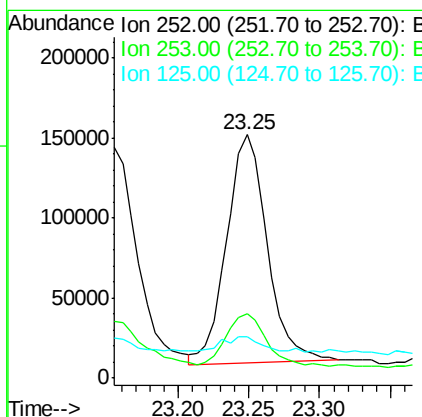
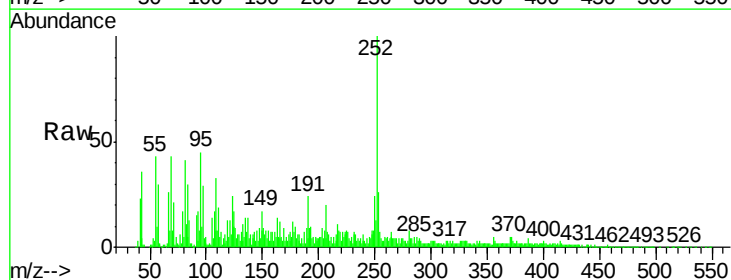
RT: 23.25 min Scan# 3499

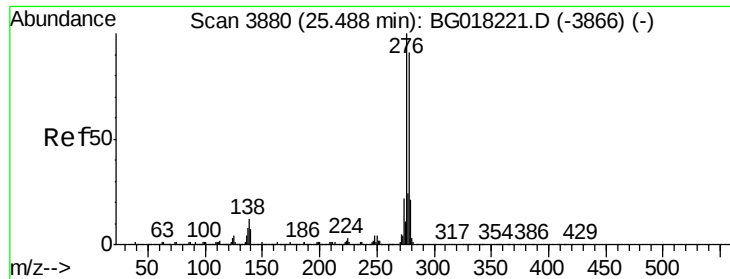
Delta R.T. 0.05 min

Lab File: BG018229.D

Acq: 2 Aug 2015 17:00

Tgt	Ion	Ratio	Resp	Lower	Upper
252	100		286054		
253	26.4	17.4	26.2#		
125	16.9	7.3	10.9#		





#92

Indeno(1,2,3-cd)pyrene

Concen: 7.41 ng/ul

RT: 25.57 min Scan# 3894

Delta R.T. 0.08 min

Lab File: BG018229.D

Acq: 2 Aug 2015 17:00

Instrument :

BNA_G

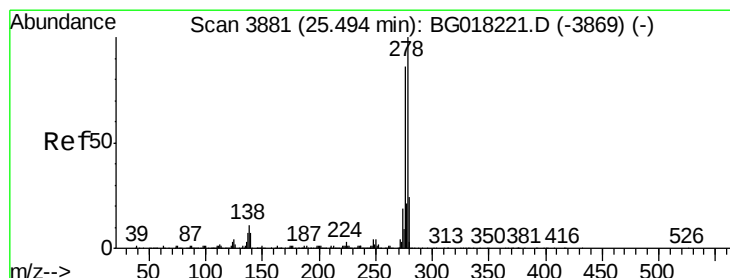
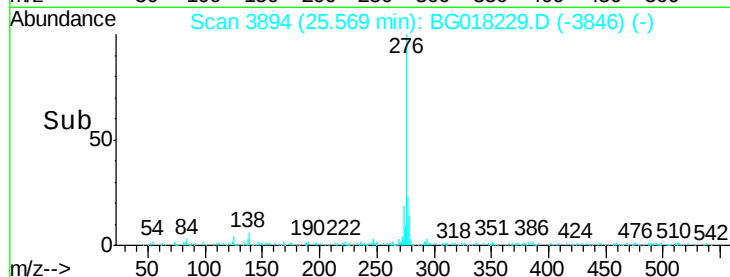
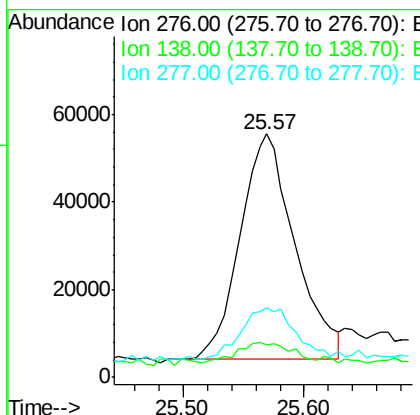
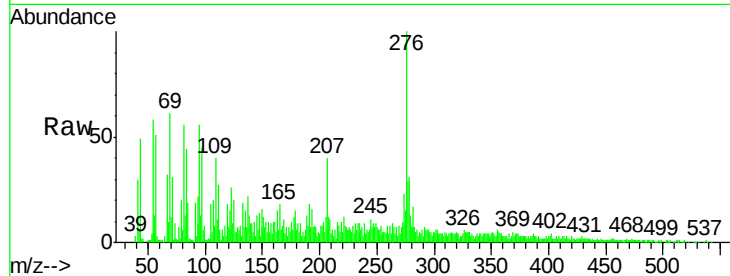
ClientSampleId :

C01Z4RE

Tgt Ion:	276	Resp:	160083
Ion Ratio		Lower	Upper
276	100		
138	13.1	17.2	25.8#
277	28.5	19.5	29.3

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#93

Dibenzo(a,h)anthracene

Concen: 2.70 ng/ul m

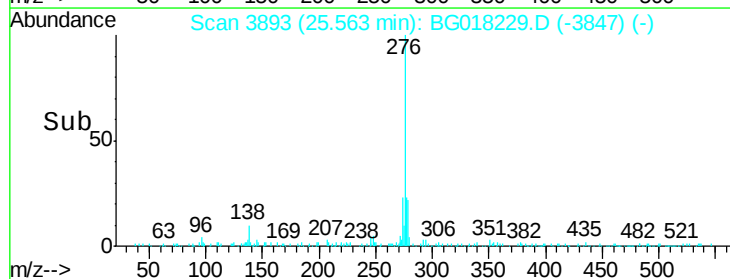
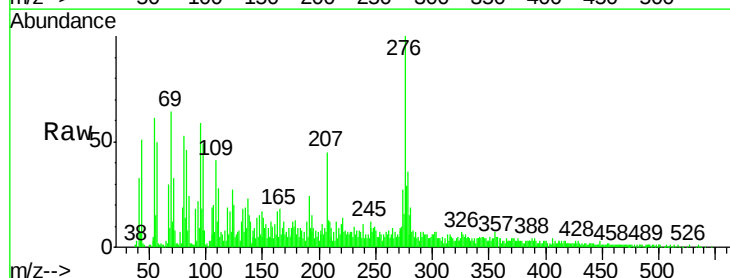
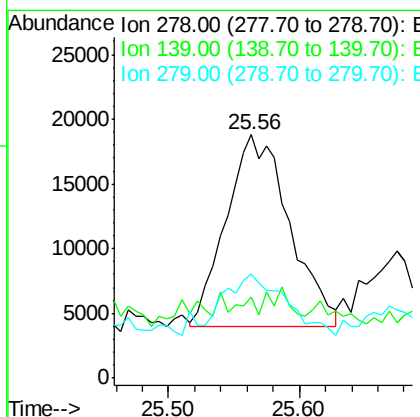
RT: 25.56 min Scan# 3893

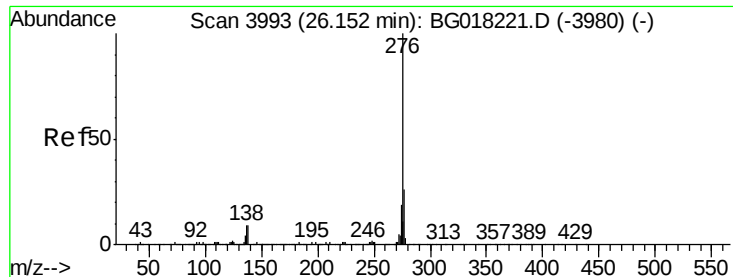
Delta R.T. 0.07 min

Lab File: BG018229.D

Acq: 2 Aug 2015 17:00

Tgt Ion:	278	Resp:	50003
Ion Ratio		Lower	Upper
278	100		
139	33.3	12.2	18.2#
279	42.8	20.0	30.0#





#94

Benzo(g,h,i)perylene

Concen: 7.68 ng/ul

RT: 26.26 min Scan# 4011

Delta R.T. 0.10 min

Lab File: BG018229.D

Acq: 2 Aug 2015 17:00

Instrument :

BNA_G

ClientSampleId :

C01Z4RE

Tgt Ion: 276 Resp: 135397

Ion Ratio Lower Upper

276 100

138 12.6 15.1 22.7#

277 27.3 19.8 29.6

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