

Data Path : Z:\HPCHEM1\BNA G\DATA\BG080615\
 Data File : BG018303.D
 Acq On : 6 Aug 2015 14:09
 Operator : UM/TP
 Sample : G3109-12DL 10X
 Misc :
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 C01P8DL

Manual Integrations
 APPROVED

MMDadoda
 8/10/2015 10:12:29 AM

Quant Time: Aug 07 16:33:06 2015
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG080515.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Fri Aug 07 01:32:43 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.43	152	25873	20.00	ng/ul	0.00
18) Naphthalene-d8	10.21	136	117017	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.11	164	78233	20.00	ng/ul	0.00
62) Phenanthrene-d10	16.87	188	152536	20.00	ng/ul	-0.01
78) Chrysene-d12	21.09	240	89027	20.00	ng/ul	-0.01
86) Perylene-d12	23.26	264	93796	20.00	ng/ul	-0.02

System Monitoring Compounds

3) 1,4-Dioxane-d8	2.74	96	121	0.40	ng/uL	-0.16
5) Phenol-d5	6.64	99	1750	0.86	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	6.77	67	1026	1.04	ng/ul	0.00
9) 2-Chlorophenol-d4	6.97	132	1846	1.09	ng/ul	0.00
13) 4-Methylphenol-d8	8.17	113	1055	0.61	ng/ul	0.00
19) Nitrobenzene-d5	8.59	128	950	1.05	ng/ul	0.00
22) 2-Nitrophenol-d4	9.31	143	916	0.87	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	9.86	165	2068	1.07	ng/ul	0.00
29) 4-Chloroaniline-d4	10.37	131	1030	0.45	ng/ul	0.00
44) Dimethylphthalate-d6	13.53	166	6582	1.09	ng/ul	0.00
47) Acenaphthylene-d8	13.80	160	7788	1.14	ng/ul	0.00
52) 4-Nitrophenol-d4	0.00	143	0d	0.00	ng/ul	
58) Fluorene-d10	15.12	176	6424	1.18	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	0.00	200	0d	0.00	ng/ul	
71) Anthracene-d10	16.97	188	8969	1.34	ng/ul	0.00
79) Pyrene-d10	19.29	212	5779	1.16	ng/ul	0.00
90) Benzo(a)pyrene-d12	23.12	264	5968m	1.22	ng/ul	-0.02

Target Compounds

					Ovalue	
28) Naphthalene	10.27	128	8711	1.58	ng/ul#	87
34) 2-Methylnaphthalene	11.89	142	4820	1.09	ng/ul#	81
50) Acenaphthene	14.18	153	5908	1.29	ng/ul#	87
59) Fluorene	15.17	166	7421	1.26	ng/ul#	94
70) Phenanthrene	16.92	178	45631	5.93	ng/ul	97
72) Anthracene	17.01	178	12593	1.64	ng/ul	97
77) Fluoranthene	18.95	202	45624	5.34	ng/ul#	94
80) Pyrene	19.32	202	36921	5.96	ng/ul#	97
83) Benzo(a)anthracene	21.08	228	11196	2.38	ng/ul	98
84) Bis(2-ethylhexyl)phthalate	21.02	149	118108	40.88	ng/ul	95
85) Chrysene	21.12	228	12524m	2.97	ng/ul	
88) Benzo(b)fluoranthene	22.61	252	16293	2.83	ng/ul#	81
89) Benzo(k)fluoranthene	22.65	252	6153	1.12	ng/ul#	30
91) Benzo(a)pyrene	23.17	252	11649	2.32	ng/ul#	76

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

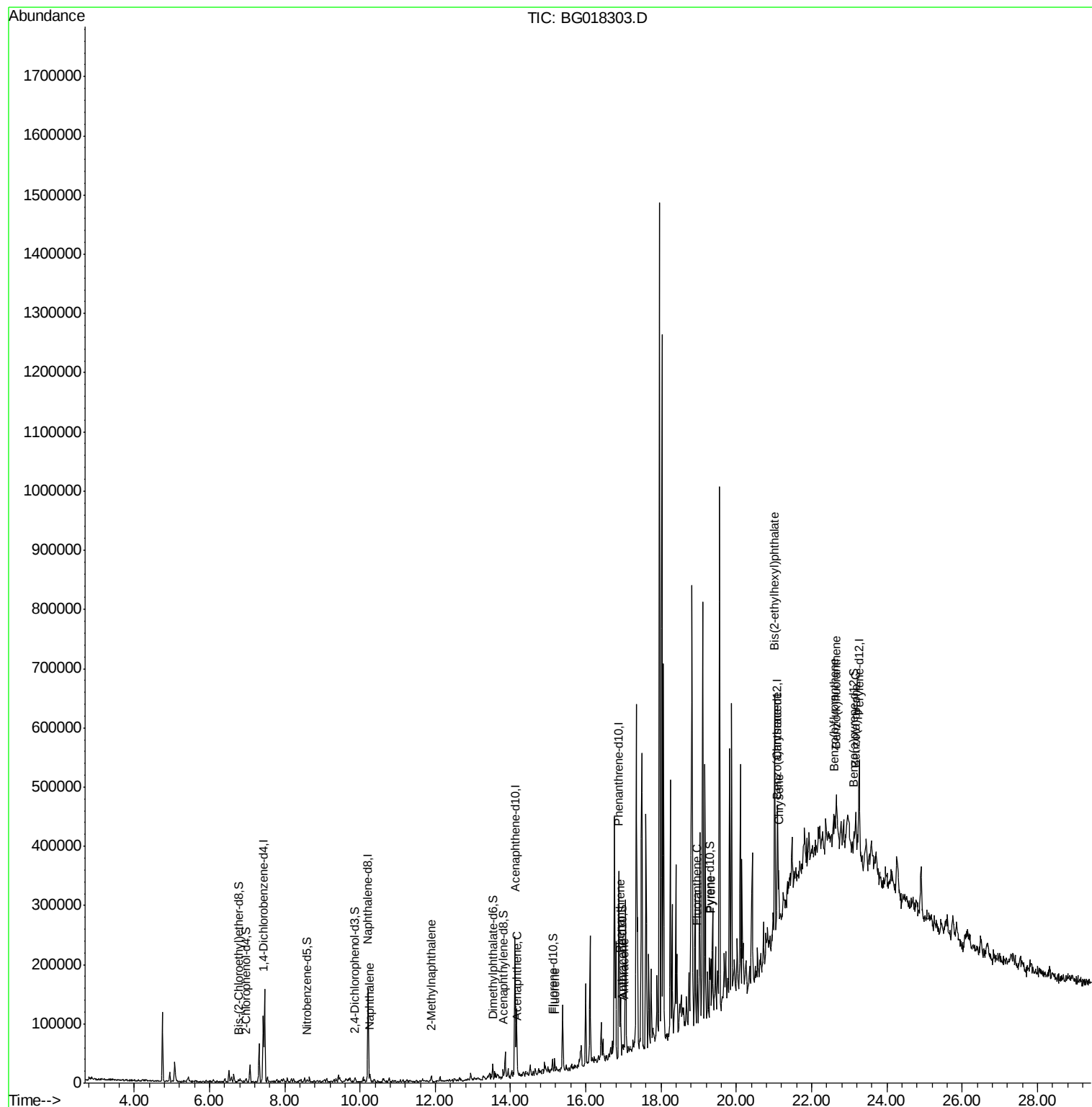
Data Path : Z:\HPCHEM1\BNA G\DATA\BG080615\
Data File : BG018303.D
Acq On : 6 Aug 2015 14:09
Operator : UM/TP
Sample : G3109-12DL 10X
Misc :
ALS Vial : 29 Sample Multiplier: 1

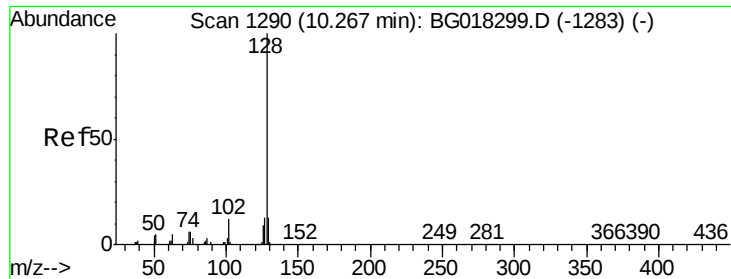
Instrument :
BNA_G
ClientSampleId :
C01P8DL

Manual Integrations
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8/10/2015 10:12:29 AM

Quant Time: Aug 07 16:33:06 2015
Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG080515.M
Quant Title : SVOA CALIBRATION
QLast Update : Fri Aug 07 01:32:43 2015
Response via : Initial Calibration





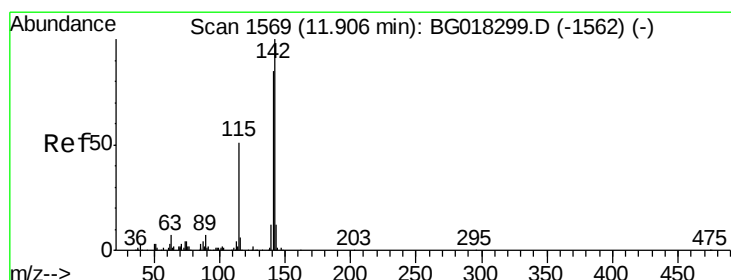
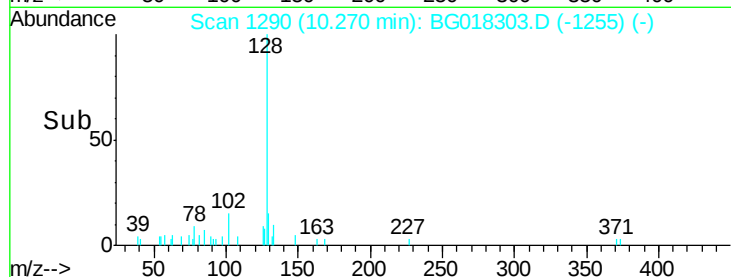
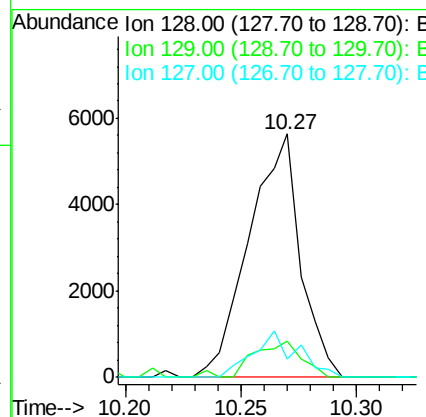
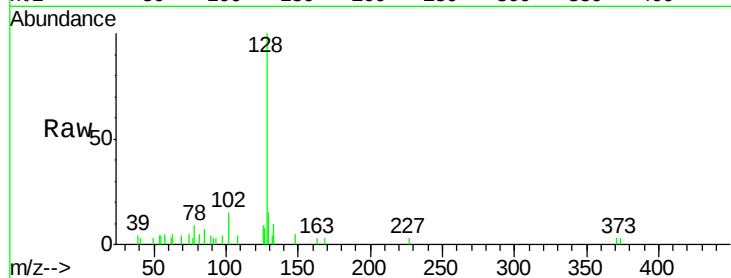
#28
Naphthalene
Concen: 1.58 ng/ul
RT: 10.27 min Scan# 1290
Delta R.T. 0.00 min
Lab File: BG018303.D
Acq: 6 Aug 2015 14:09

Instrument :
BNA_G
ClientSampleId :
C01P8DL

Tot Ion	Ratio	Lower	Upper
128	100		
129	14.7	7.8	11.6#
127	7.7	10.2	15.4#

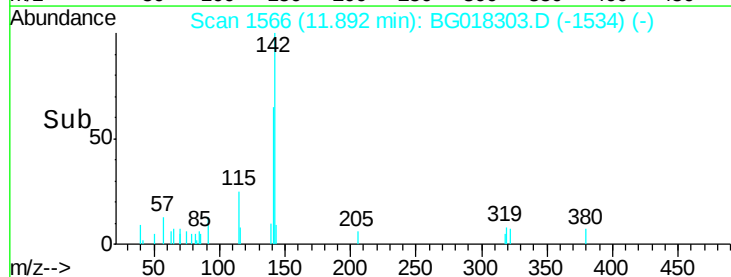
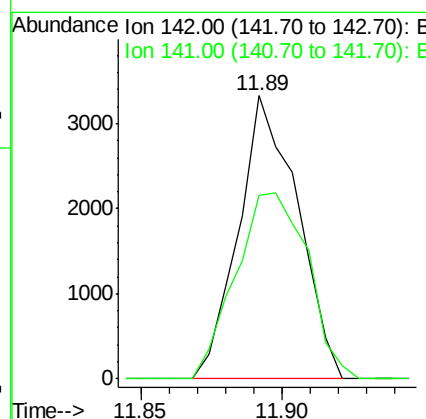
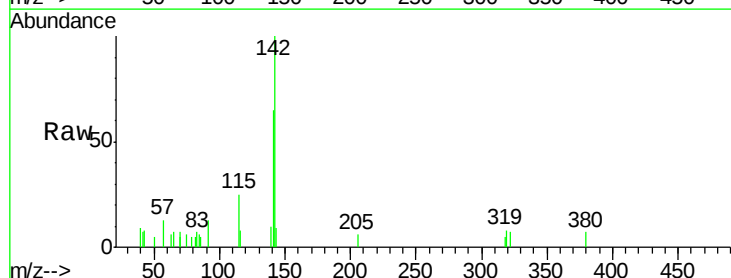
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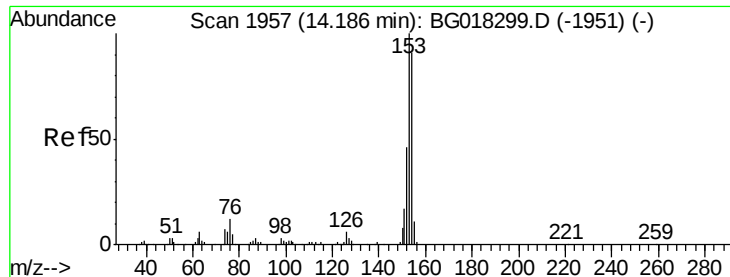
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#34
2-Methylnaphthalene
Concen: 1.09 ng/ul
RT: 11.89 min Scan# 1566
Delta R.T. -0.01 min
Lab File: BG018303.D
Acq: 6 Aug 2015 14:09

Tgt Ion	Ratio	Lower	Upper
142	100		
141	64.9	65.9	98.9#





#50

Acenaphthene

Concen: 1.29 ng/ul

RT: 14.18 min Scan# 1956

Delta R.T. -0.00 min

Lab File: BG018303.D

Acq: 6 Aug 2015 14:09

Instrument :

BNA_G

ClientSampleId :

C01P8DL

Tot Ion:153 Resp: 5908

Ion Ratio Lower Upper

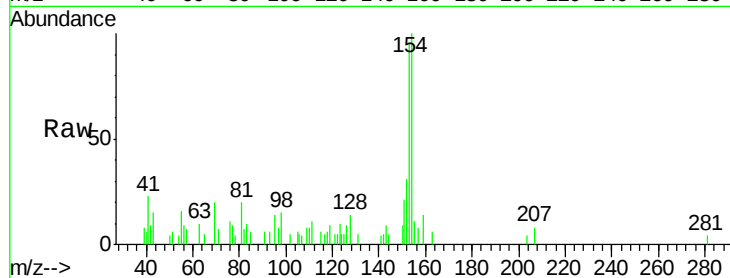
153 100

152 32.7 39.0 58.4#

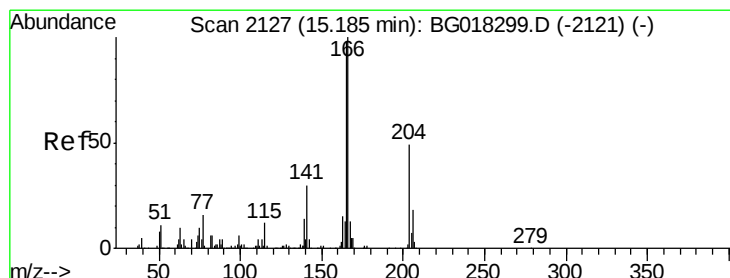
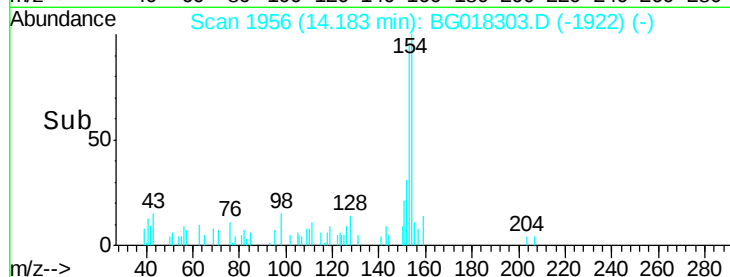
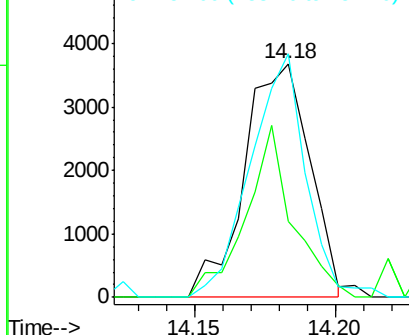
154 104.3 77.4 116.2

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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



#59

Fluorene

Concen: 1.26 ng/ul

RT: 15.17 min Scan# 2124

Delta R.T. -0.01 min

Lab File: BG018303.D

Acq: 6 Aug 2015 14:09

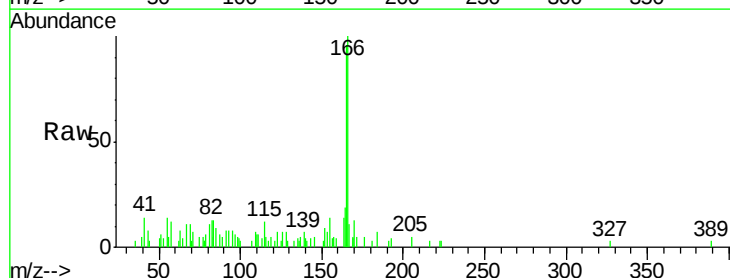
Tgt Ion:166 Resp: 7421

Ion Ratio Lower Upper

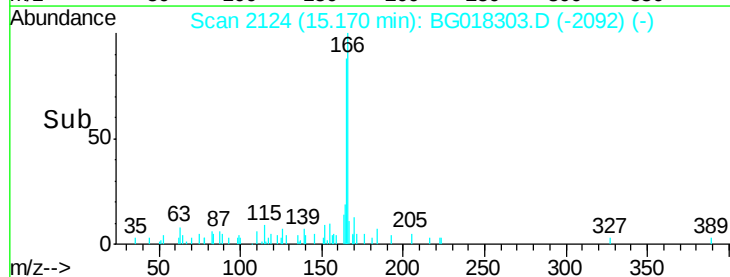
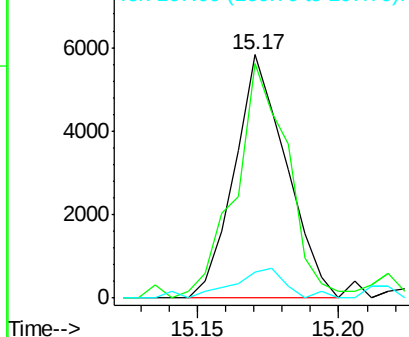
166 100

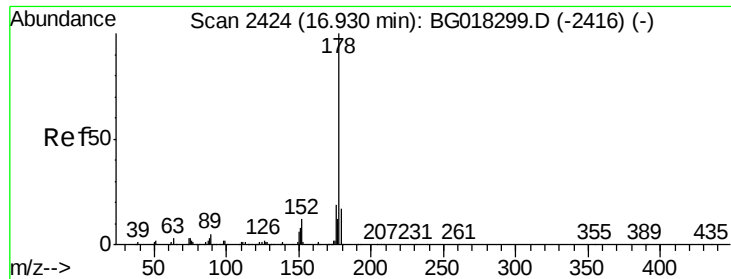
165 96.2 72.4 108.6

167 10.8 11.4 17.0#



Abundance Ion 166.00 (165.70 to 166.70): E
Ion 165.00 (164.70 to 165.70): E
Ion 167.00 (166.70 to 167.70): E





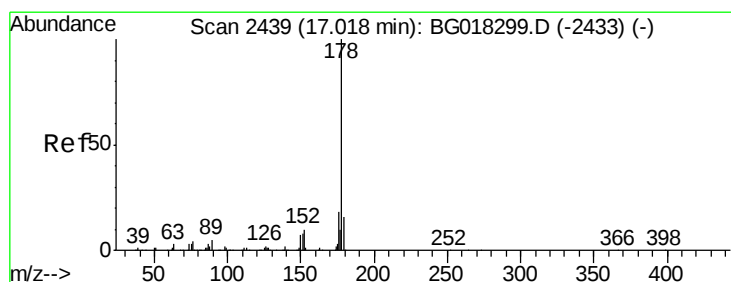
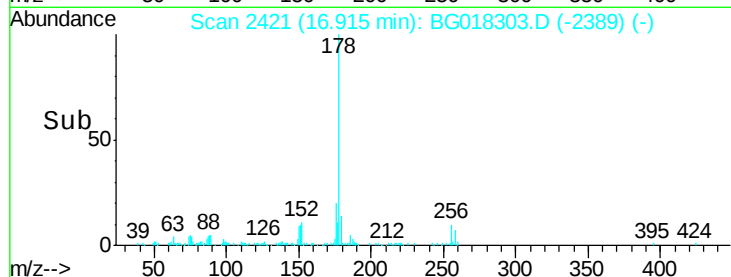
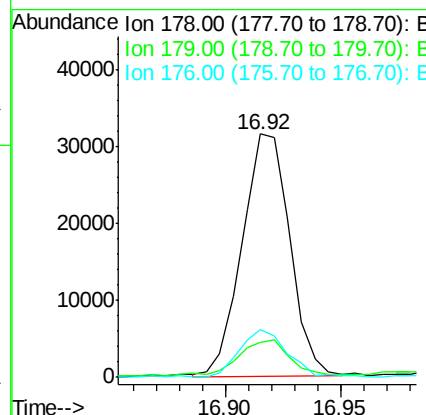
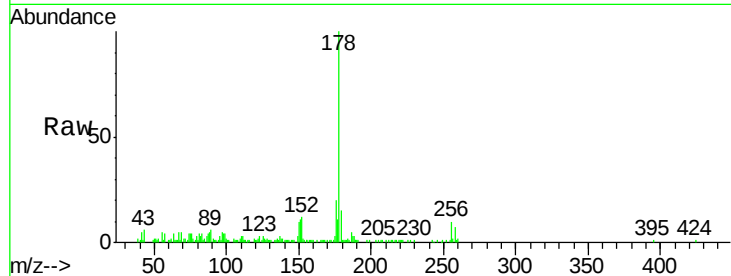
#70
Phenanthrene
Concen: 5.93 ng/ul
RT: 16.92 min Scan# 2421
Delta R.T. -0.01 min
Lab File: BG018303.D
Acq: 6 Aug 2015 14:09

Instrument :
BNA_G
ClientSampleId :
C01P8DL

Tot Ion	Ratio	Lower	Upper
178	100		
179	14.5	12.2	18.4
176	19.6	14.5	21.7

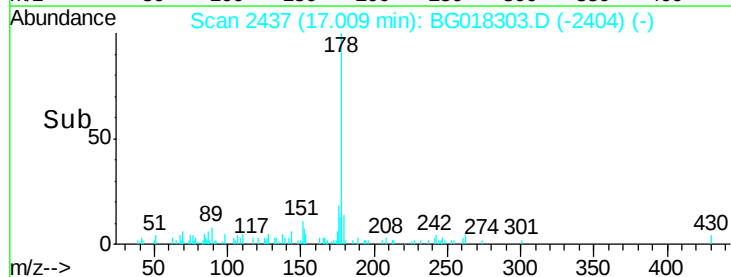
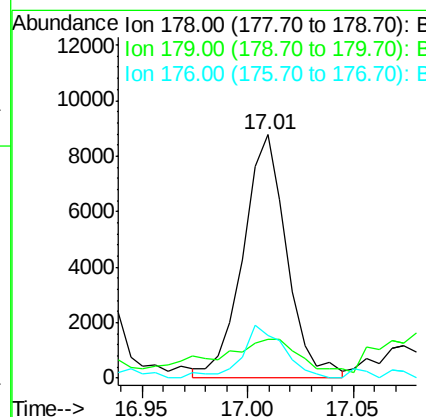
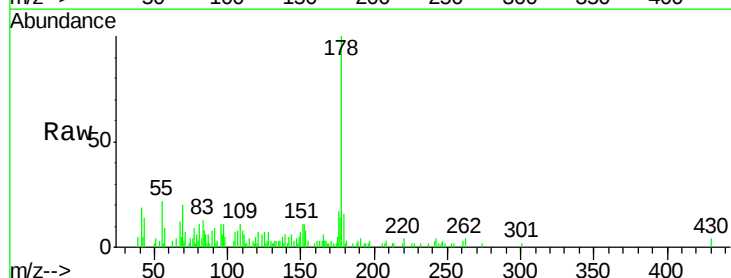
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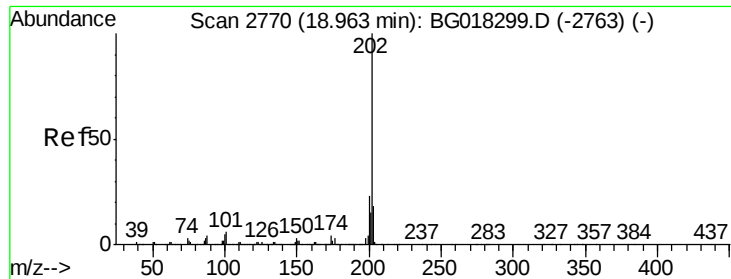
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#72
Anthracene
Concen: 1.64 ng/ul
RT: 17.01 min Scan# 2437
Delta R.T. -0.01 min
Lab File: BG018303.D
Acq: 6 Aug 2015 14:09

Tgt Ion	Ratio	Lower	Upper
178	100		
179	15.9	12.2	18.4
176	17.3	15.3	22.9





#77

Fluoranthene

Concen: 5.34 ng/ul

RT: 18.95 min Scan# 2768

Delta R.T. -0.01 min

Lab File: BG018303.D

Acq: 6 Aug 2015 14:09

Instrument :

BNA_G

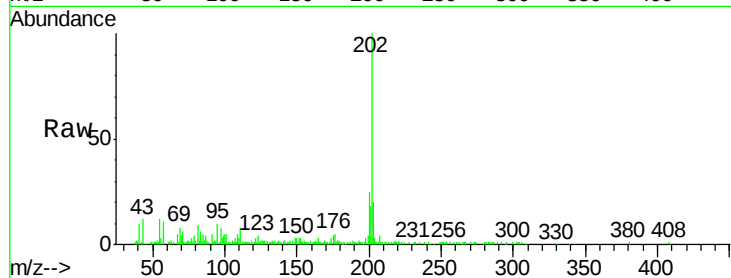
ClientSampleId :

C01P8DL

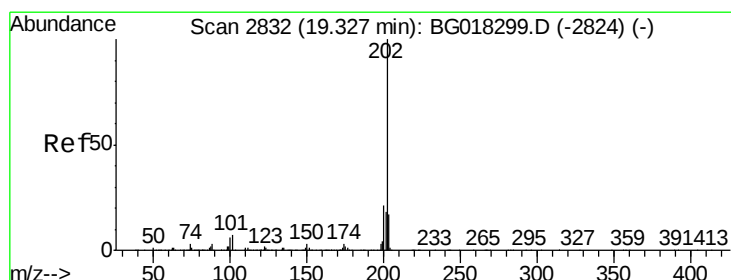
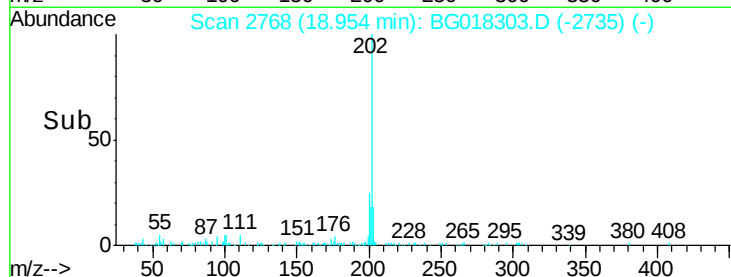
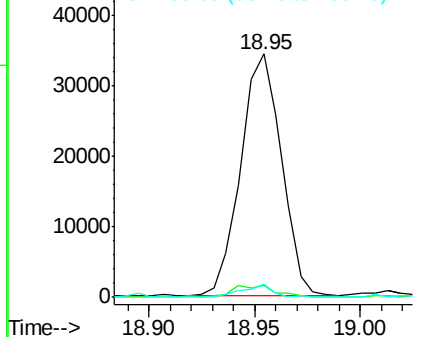
Tot Ion:	202	Resp:	45624
Ion Ratio	Lower	Upper	
202	100		
101	4.6	6.2	9.2#
100	5.2	4.6	6.8

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



#80

Pyrene

Concen: 5.96 ng/ul

RT: 19.32 min Scan# 2830

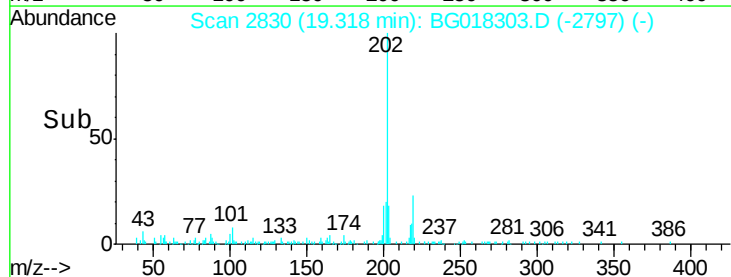
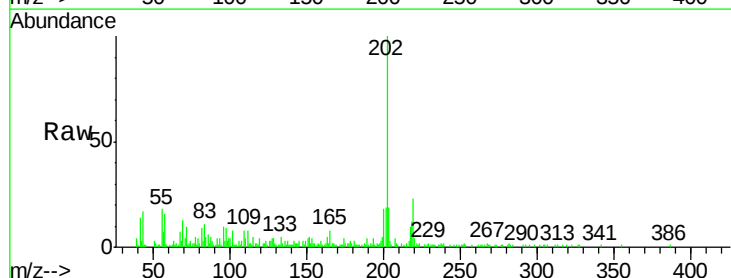
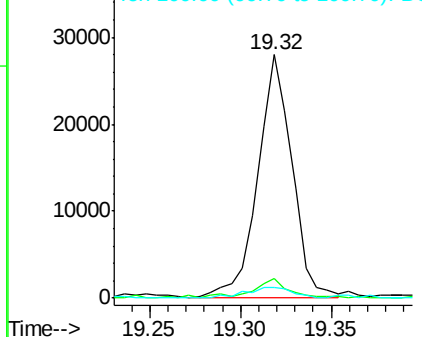
Delta R.T. -0.01 min

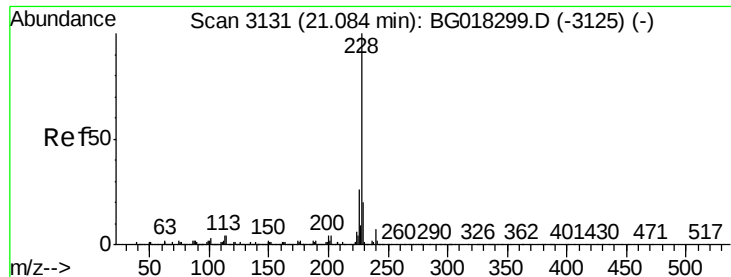
Lab File: BG018303.D

Acq: 6 Aug 2015 14:09

Tgt Ion:	202	Resp:	36921
Ion Ratio	Lower	Upper	
202	100		
101	8.3	6.2	9.2
100	4.4	4.6	7.0#

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





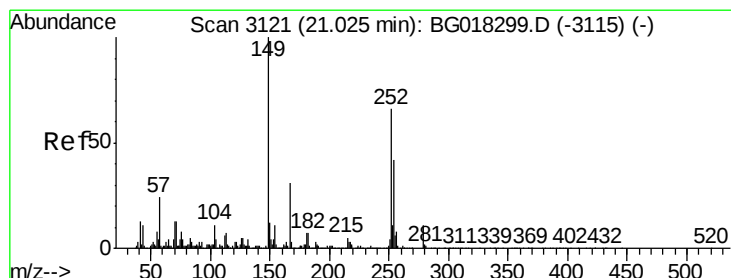
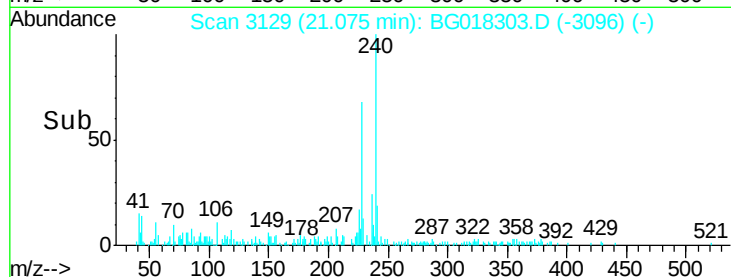
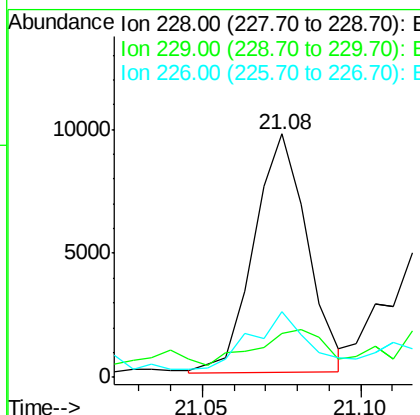
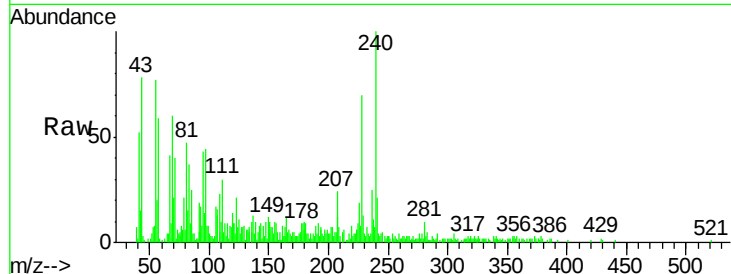
#83
Benzo(a)anthracene
Concen: 2.38 ng/ul
RT: 21.08 min Scan# 3129
Delta R.T. -0.01 min
Lab File: BG018303.D
Acq: 6 Aug 2015 14:09

Instrument :
BNA_G
ClientSampleId :
C01P8DL

Tot Ion	Ratio	Lower	Upper
228	100		
229	18.0	16.3	24.5
226	26.7	21.2	31.8

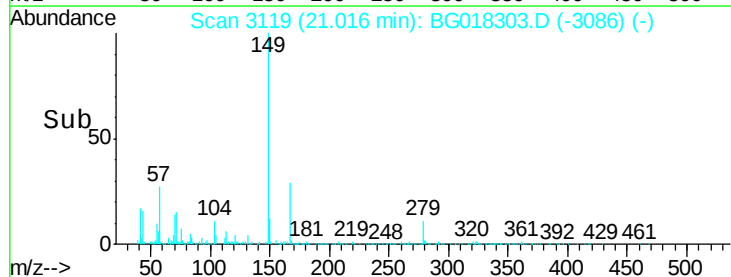
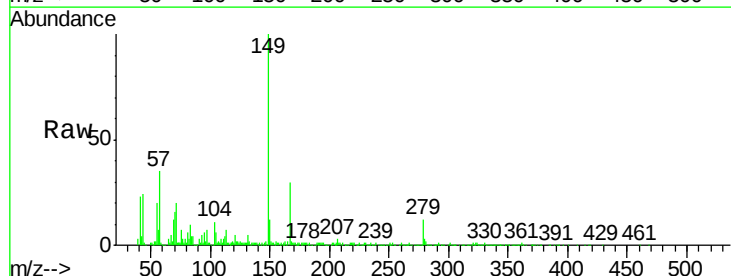
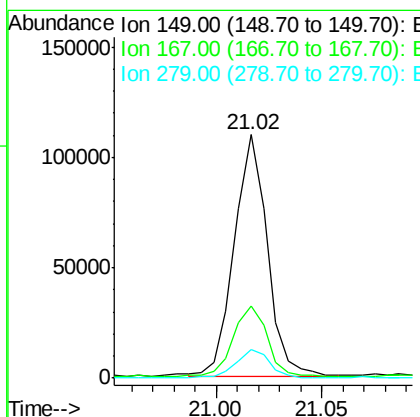
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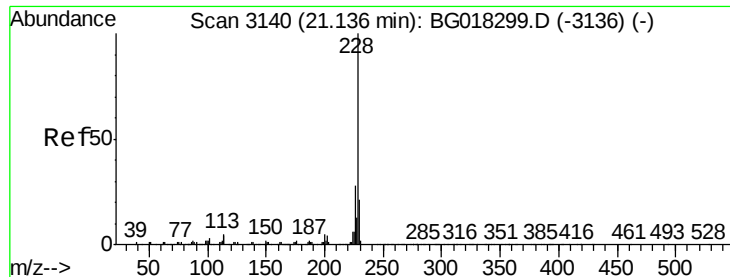
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#84
Bis(2-ethylhexyl)phthalate
Concen: 40.88 ng/ul
RT: 21.02 min Scan# 3119
Delta R.T. -0.01 min
Lab File: BG018303.D
Acq: 6 Aug 2015 14:09

Tgt Ion	Ratio	Lower	Upper
149	100		
167	29.9	26.4	39.6
279	11.6	8.6	12.8





#85

Chrysene

Concen: 2.97 ng/ul m

RT: 21.12 min Scan# 3137

Delta R.T. -0.01 min

Lab File: BG018303.D

Acq: 6 Aug 2015 14:09

Instrument :

BNA_G

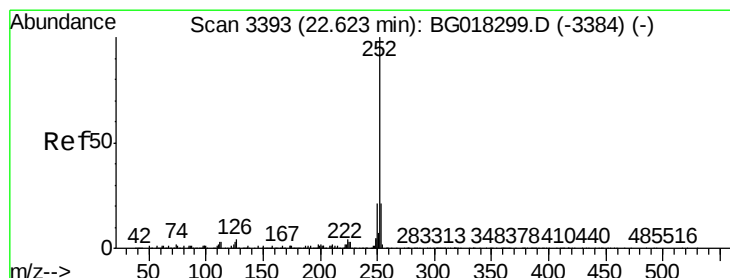
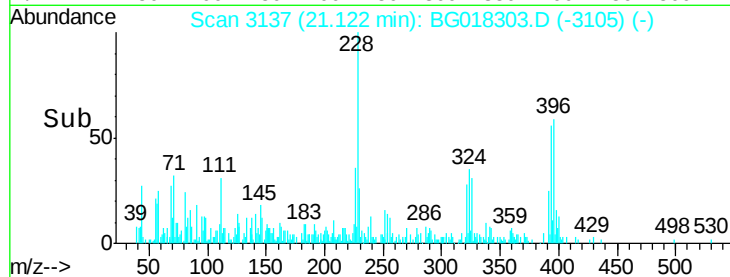
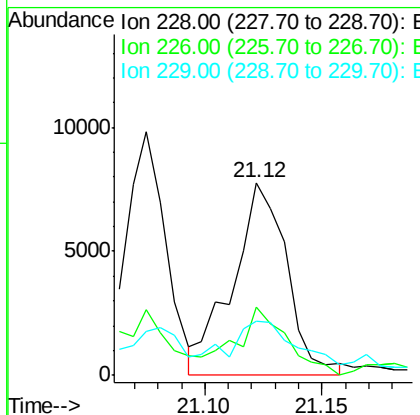
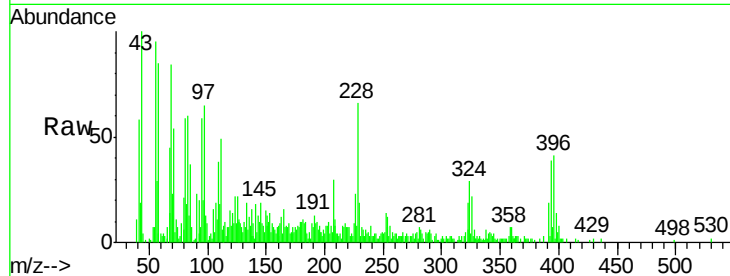
ClientSampleId :

C01P8DL

Tot Ion:	228	Resp:	12524
Ion Ratio	Lower	Upper	
228	100		
226	35.2	23.0	34.6#
229	28.2	15.9	23.9#

Manual Integrations
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#88

Benzo(b)fluoranthene

Concen: 2.83 ng/ul

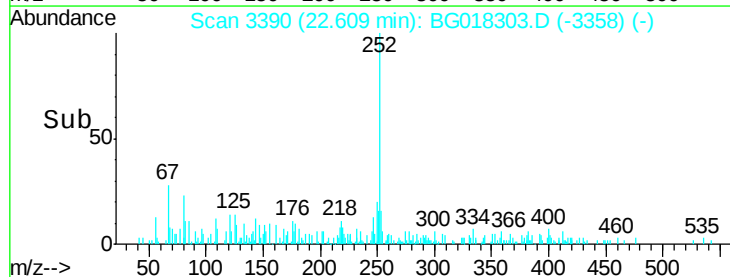
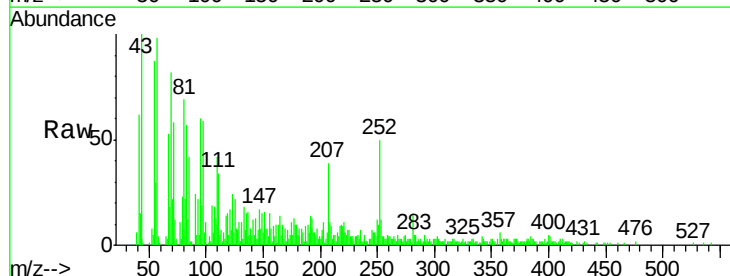
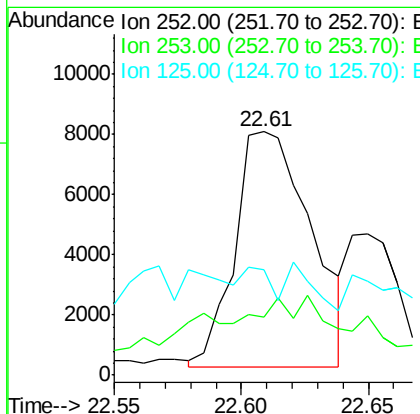
RT: 22.61 min Scan# 3390

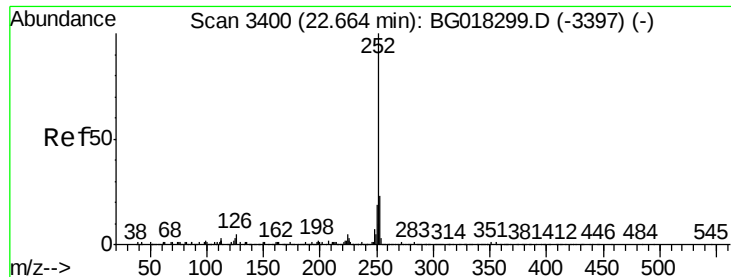
Delta R.T. -0.01 min

Lab File: BG018303.D

Acq: 6 Aug 2015 14:09

Tgt Ion:	252	Resp:	16293
Ion Ratio	Lower	Upper	
252	100		
253	23.6	18.1	27.1
125	43.4	3.1	4.7#





#89

Benzo(k)fluoranthene

Concen: 1.12 ng/ul

RT: 22.65 min Scan# 3397

Delta R.T. -0.01 min

Lab File: BG018303.D

Acq: 6 Aug 2015 14:09

Instrument :

BNA_G

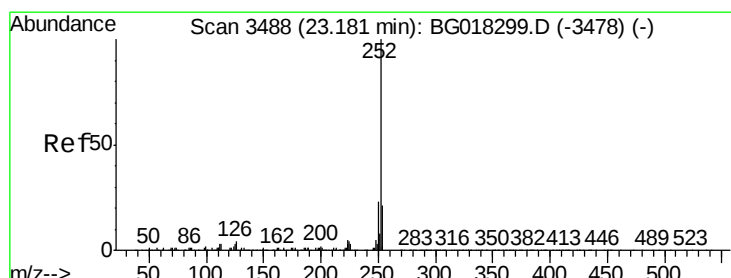
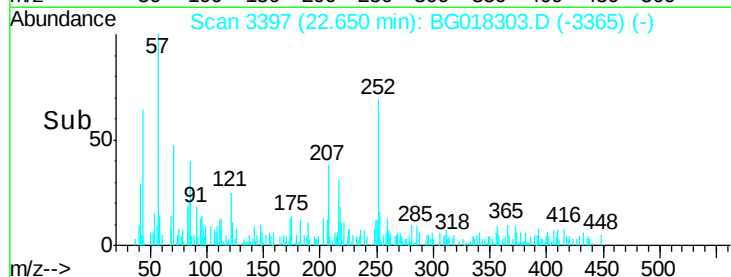
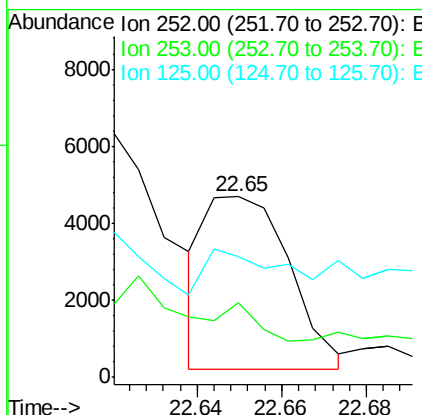
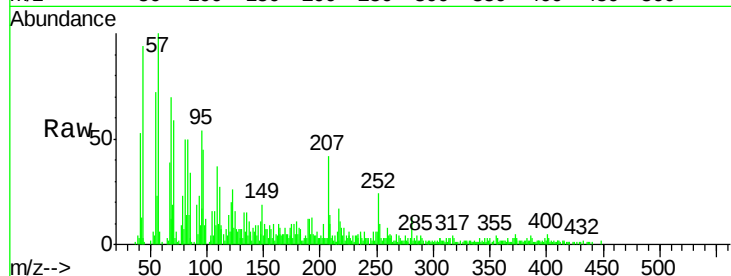
ClientSampleId :

C01P8DL

Tot Ion:	252	Resp:	6153
Ion Ratio	Lower	Upper	
252	100		
253	41.6	16.4	24.6#
125	66.7	3.4	5.2#

Manual Integrations
APPROVED

MMDadoda
8/10/2015 10:12:29 AM



#91

Benzo(a)pyrene

Concen: 2.32 ng/ul

RT: 23.17 min Scan# 3485

Delta R.T. -0.01 min

Lab File: BG018303.D

Acq: 6 Aug 2015 14:09

Tgt Ion:	252	Resp:	11649
Ion Ratio	Lower	Upper	
252	100		
253	25.4	18.9	28.3
125	50.9	3.2	4.8#

