

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG081015\
 Data File : BG018370.D
 Acq On : 11 Aug 2015 1:22
 Operator : UM/MA
 Sample : G3109-18
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 C01W8

Quant Time: Aug 11 04:31:42 2015
 Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG080915.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Tue Aug 11 01:39:57 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.04	152	120848	20.00	ng/ul	0.00
18) Naphthalene-d8	10.85	136	538902	20.00	ng/ul	0.01
36) Acenaphthene-d10	14.67	164	323353	20.00	ng/ul	0.01
62) Phenanthrene-d10	17.41	188	655198	20.00	ng/ul	0.01
78) Chrysene-d12	21.69	240	600157	20.00	ng/ul	0.03
86) Perylene-d12	24.95	264	625798	20.00	ng/ul	0.07

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.48	96	8970	3.28	ng/uL	0.00
5) Phenol-d5	7.20	99	220762	20.13	ng/ul	0.01
7) Bis-(2-Chloroethyl)ether-d	7.36	67	160945	23.68	ng/ul	0.00
9) 2-Chlorophenol-d4	7.57	132	186587	22.21	ng/ul	0.01
13) 4-Methylphenol-d8	8.74	113	123187	13.37	ng/ul	0.00
19) Nitrobenzene-d5	9.20	128	100919	24.02	ng/ul	0.01
22) 2-Nitrophenol-d4	9.92	143	95560	22.34	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.47	165	189125	20.83	ng/ul	0.01
29) 4-Chloroaniline-d4	10.97	131	59145	5.76	ng/ul	0.00
44) Dimethylphthalate-d6	14.07	166	635007	23.34	ng/ul	0.00
47) Acenaphthylene-d8	14.37	160	698003	20.37	ng/ul	0.01
52) 4-Nitrophenol-d4	14.86	143	50834	10.39	ng/ul	0.03
58) Fluorene-d10	15.66	176	542930	22.91	ng/ul	0.01
63) 4,6-Dinitro-2-methylphenol	15.78	200	10384	3.22	ng/ul	0.03
71) Anthracene-d10	17.51	188	772796	24.66	ng/ul	0.01
79) Pyrene-d10	19.80	212	724829	23.28	ng/ul	0.02
90) Benzo(a)pyrene-d12	24.72	264	777138	23.39	ng/ul	0.07

Target Compounds

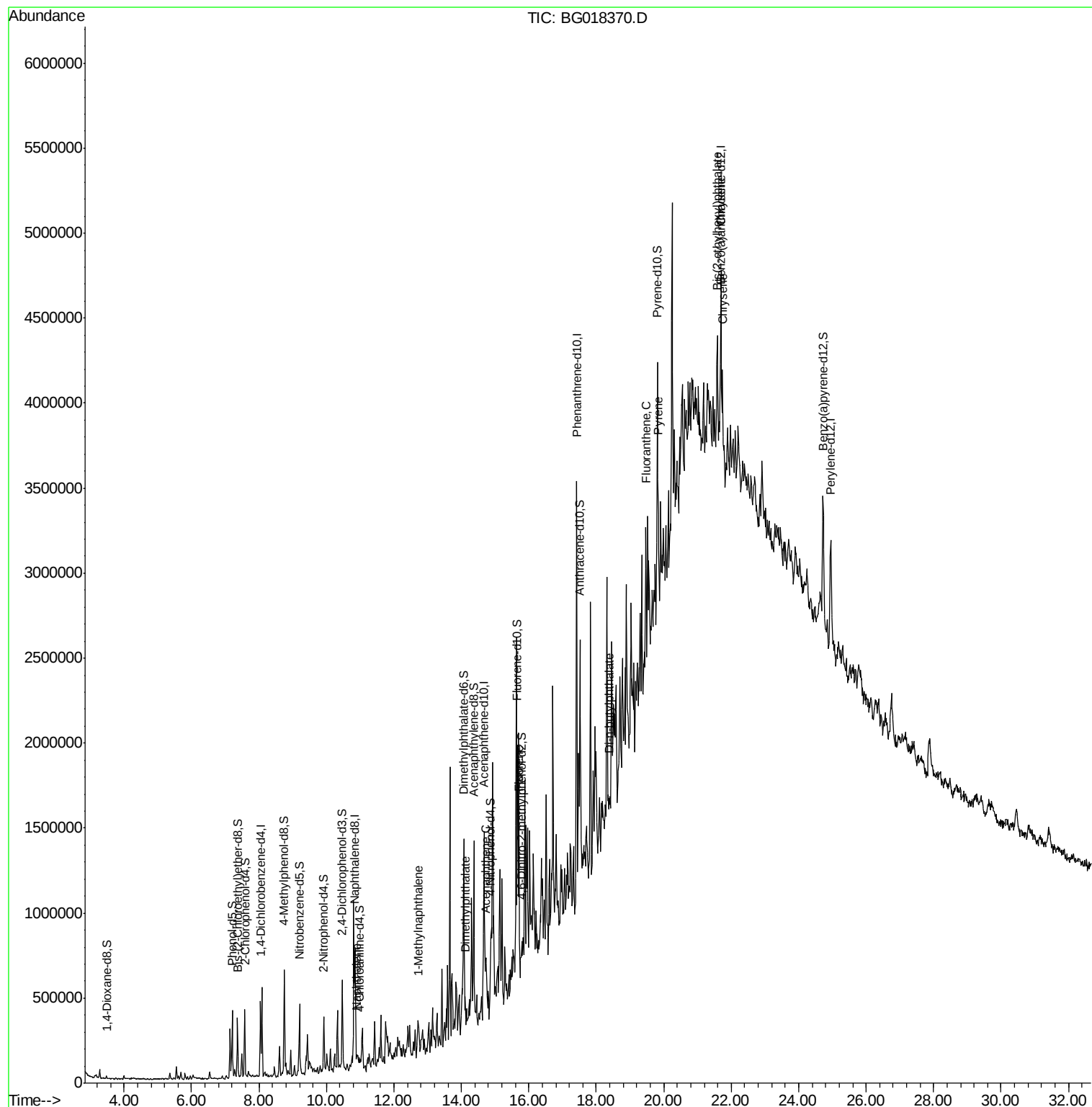
						Qvalue
28) Naphthalene	10.90	128	31896	1.12	ng/ul#	88
35) 1-Methylnaphthalene	12.72	142	22758	1.13	ng/ul#	88
45) Dimethylphthalate	14.12	163	131091	4.88	ng/ul#	97
50) Acenaphthene	14.74	153	62849	2.61	ng/ul	91
59) Fluorene	15.72	166	103633	3.82	ng/ul#	89
76) Di-n-butylphthalate	18.38	149	54561	1.32	ng/ul#	86
77) Fluoranthene	19.47	202	296523	7.81	ng/ul#	92
80) Pyrene	19.83	202	317972	7.84	ng/ul#	92
83) Benzo(a)anthracene	21.67	228	142369	3.83	ng/ul#	75
84) Bis(2-ethylhexyl)phthalate	21.58	149	175301	7.23	ng/ul#	91
85) Chrysene	21.74	228	230000	6.61	ng/ul#	84

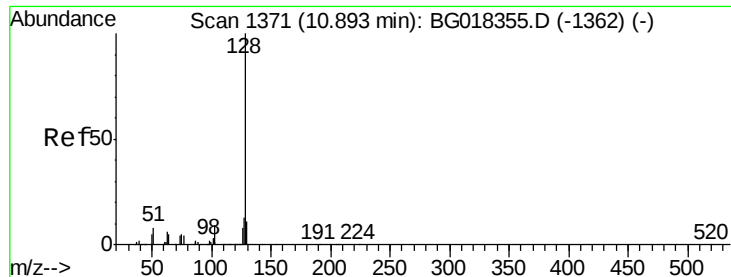
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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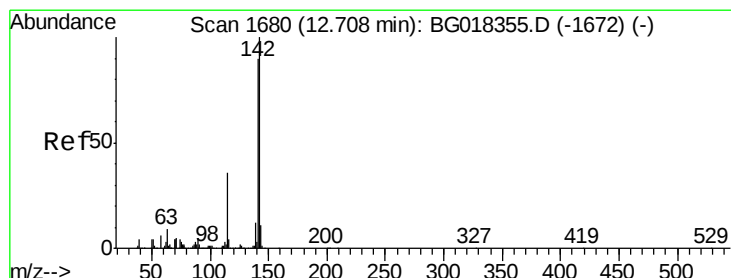
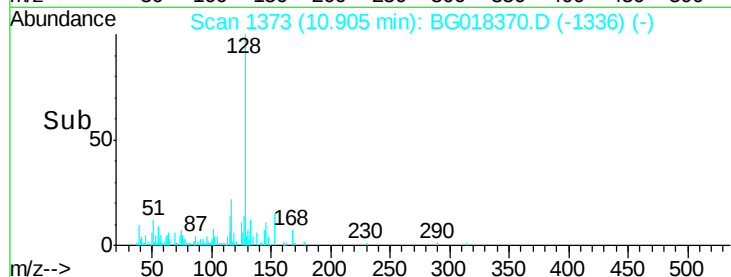
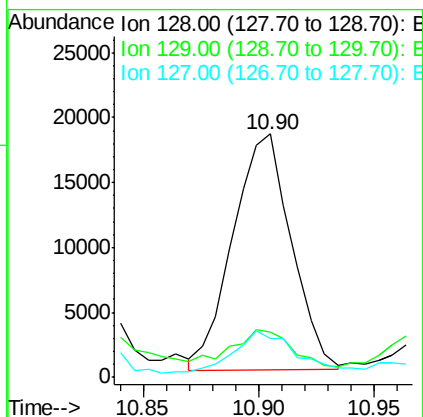
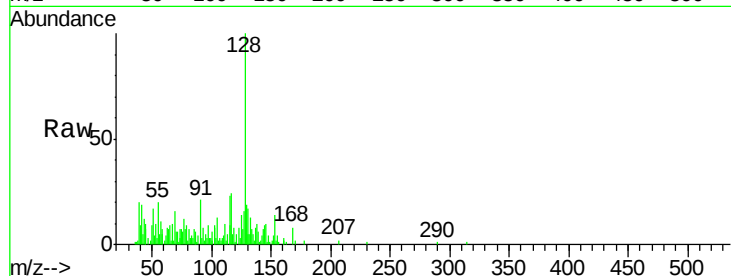




#28
Naphthalene
Concen: 1.12 ng/ul
RT: 10.90 min Scan# 1373
Delta R.T. 0.01 min
Lab File: BG018370.D
Acq: 11 Aug 2015 1:22

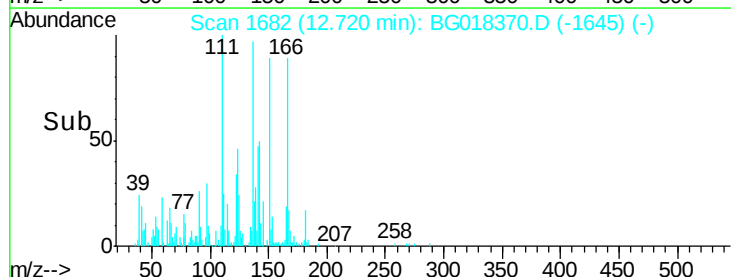
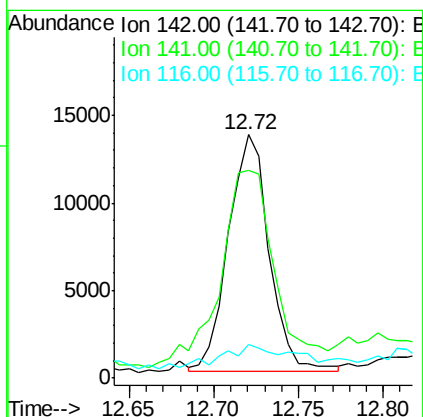
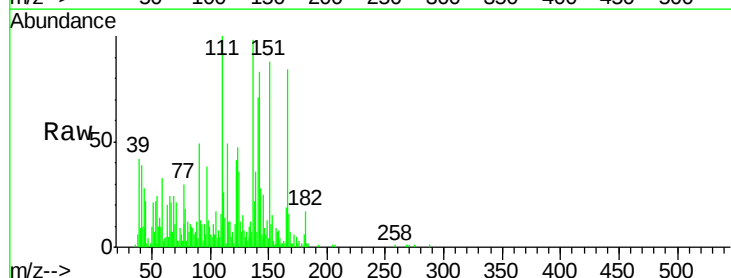
Instrument :
BNA_G
ClientSampleId :
C01W8

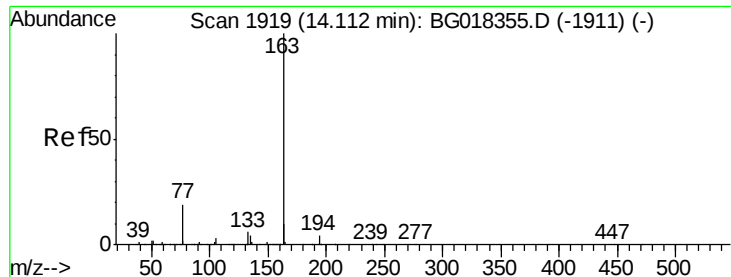
Tgt Ion	Ratio	Lower	Upper
128	100		
129	18.6	9.6	14.4#
127	15.7	10.5	15.7#



#35
1-Methylnaphthalene
Concen: 1.13 ng/ul
RT: 12.72 min Scan# 1682
Delta R.T. 0.01 min
Lab File: BG018370.D
Acq: 11 Aug 2015 1:22

Tgt Ion	Ratio	Lower	Upper
142	100		
141	85.3	77.1	115.7
116	13.8	3.5	5.3#





#45

Dimethylphthalate

Concen: 4.88 ng/ul

RT: 14.12 min Scan# 1920

Delta R.T. 0.01 min

Lab File: BG018370.D

Acq: 11 Aug 2015 1:22

Instrument :

BNA_G

ClientSampleId :

C01W8

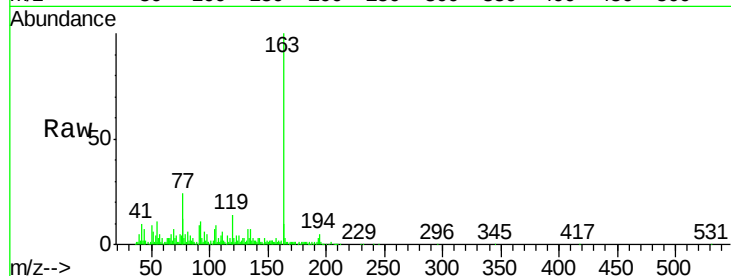
Tgt Ion:163 Resp: 131091

Ion Ratio Lower Upper

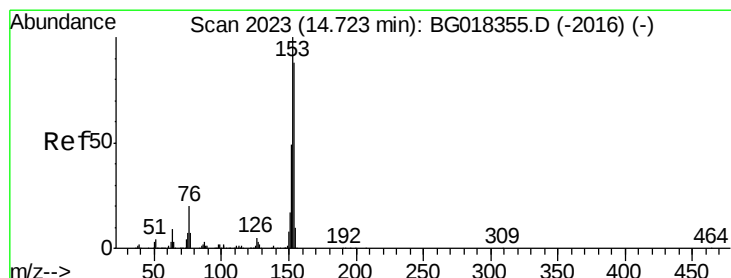
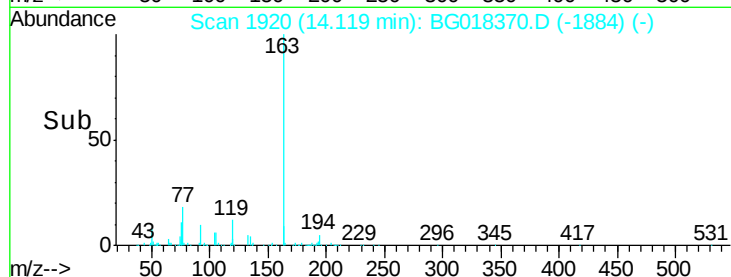
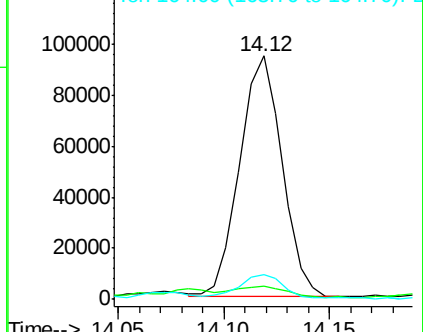
163 100

194 5.4 2.9 4.3#

164 10.2 7.7 11.5



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: 2.61 ng/ul

RT: 14.74 min Scan# 2025

Delta R.T. 0.01 min

Lab File: BG018370.D

Acq: 11 Aug 2015 1:22

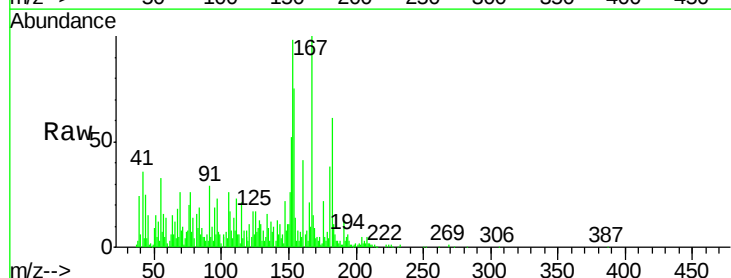
Tgt Ion:153 Resp: 62849

Ion Ratio Lower Upper

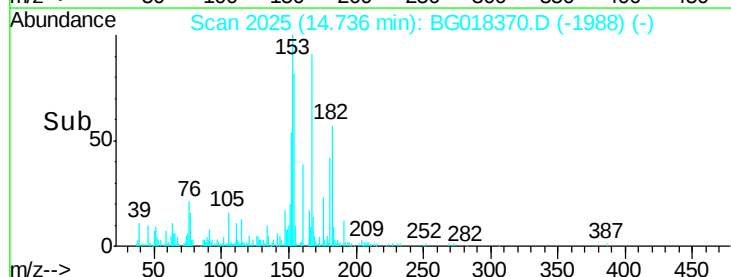
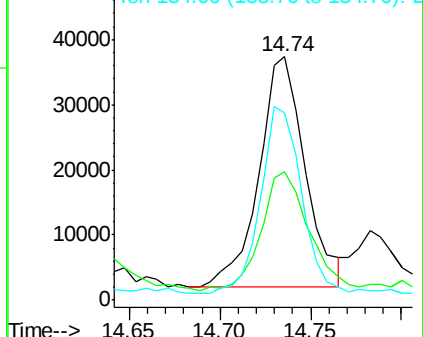
153 100

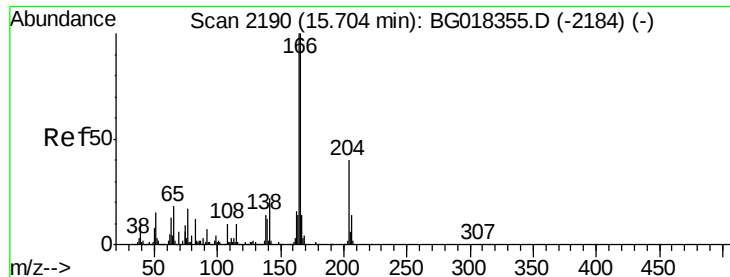
152 52.5 38.2 57.4

154 76.7 68.6 103.0



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: 3.82 ng/ul

RT: 15.72 min Scan# 2192

Delta R.T. 0.01 min

Lab File: BG018370.D

Acq: 11 Aug 2015 1:22

Instrument :

BNA_G

ClientSampleId :

C01W8

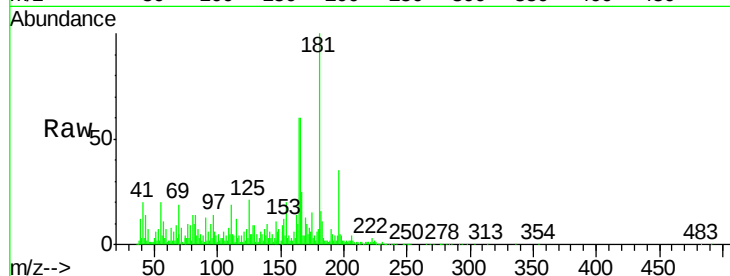
Tgt Ion:166 Resp: 103633

Ion Ratio Lower Upper

166 100

165 100.7 82.6 124.0

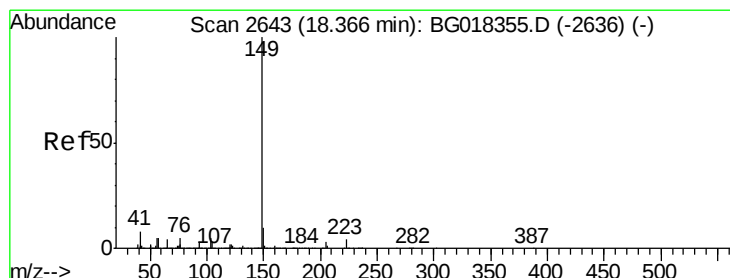
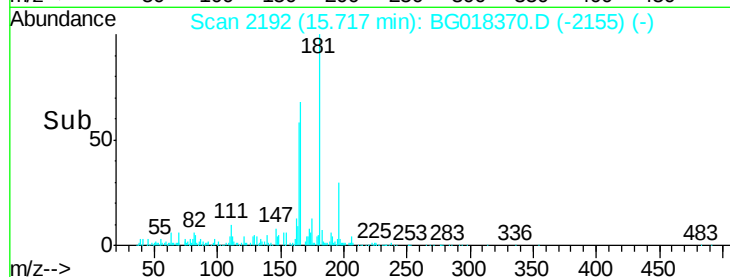
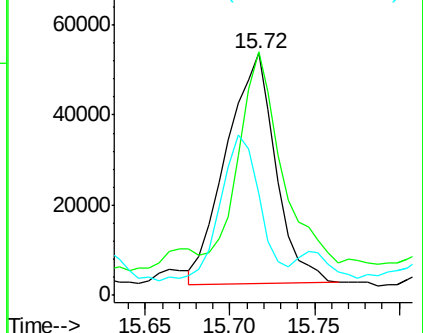
167 42.2 11.4 17.0#



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



#76

Di-n-butylphthalate

Concen: 1.32 ng/ul

RT: 18.38 min Scan# 2645

Delta R.T. 0.01 min

Lab File: BG018370.D

Acq: 11 Aug 2015 1:22

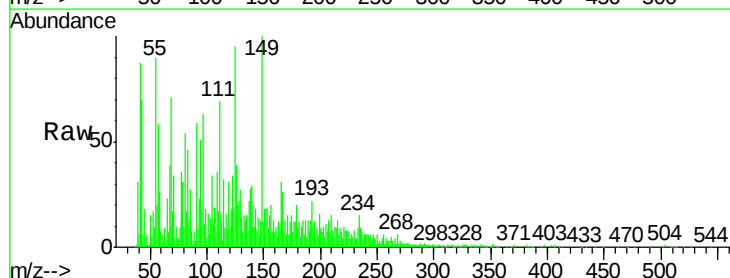
Tgt Ion:149 Resp: 54561

Ion Ratio Lower Upper

149 100

150 12.1 7.5 11.3#

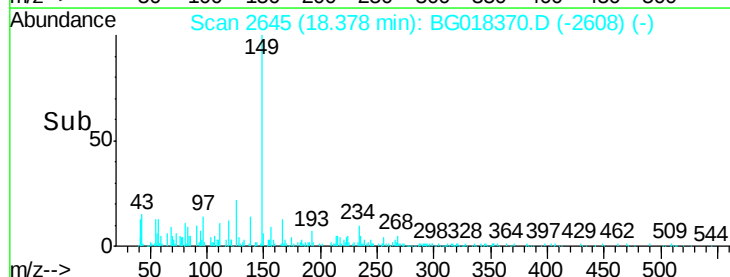
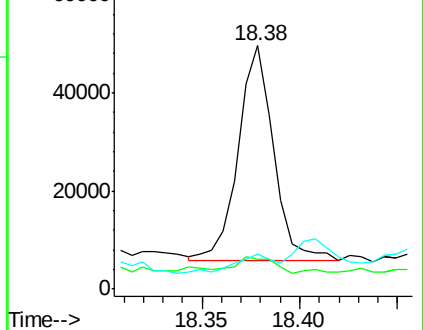
104 14.3 4.3 6.5#

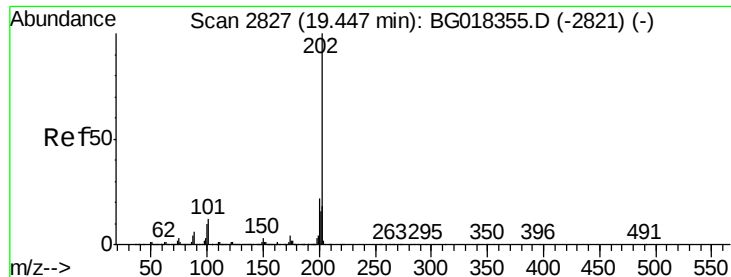


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E

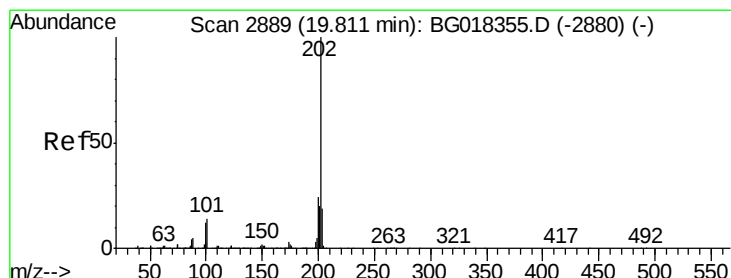
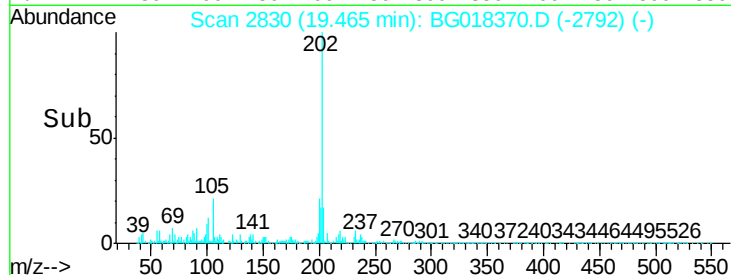
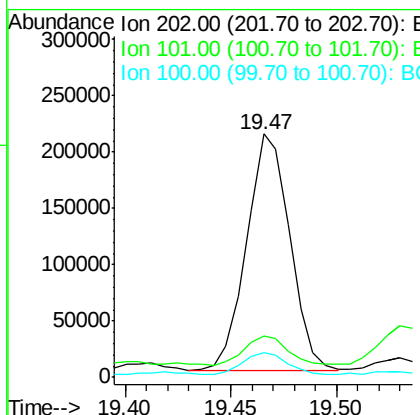
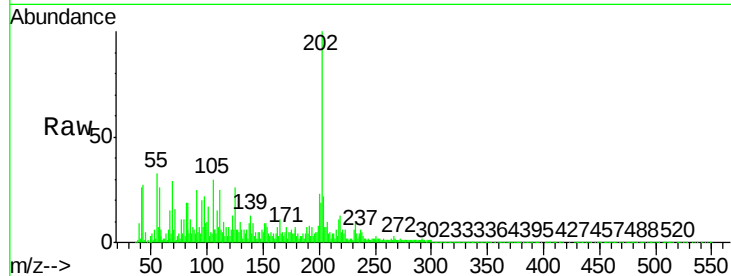




#77
Fluoranthene
Concen: 7.81 ng/ul
RT: 19.47 min Scan# 2830
Delta R.T. 0.02 min
Lab File: BG018370.D
Acq: 11 Aug 2015 1:22

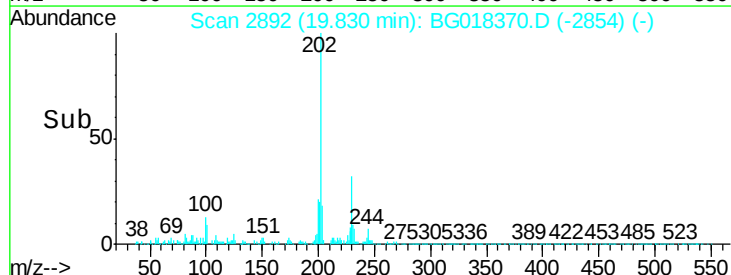
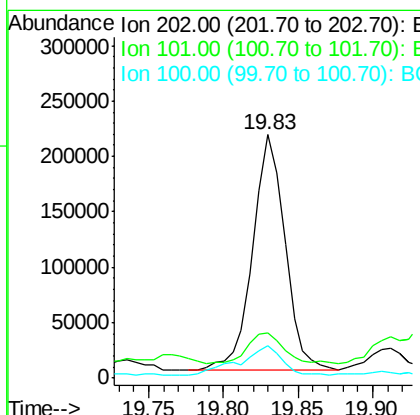
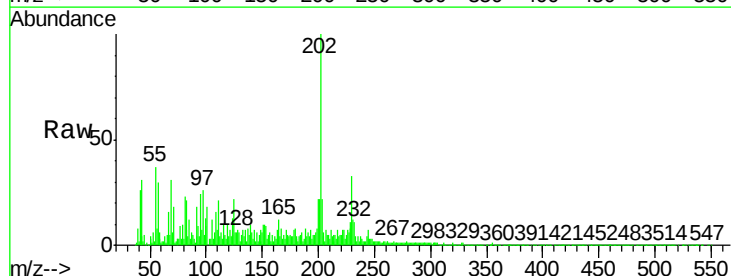
Instrument :
BNA_G
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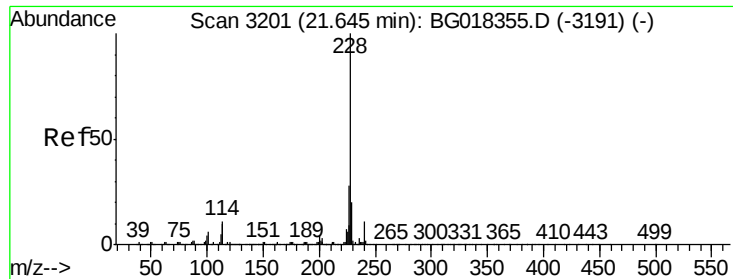
Tgt Ion	Ratio	Lower	Upper
202	100		
101	17.0	9.7	14.5#
100	10.3	7.8	11.8



#80
Pyrene
Concen: 7.84 ng/ul
RT: 19.83 min Scan# 2892
Delta R.T. 0.02 min
Lab File: BG018370.D
Acq: 11 Aug 2015 1:22

Tgt Ion	Ratio	Lower	Upper
202	100		
101	18.4	11.0	16.4#
100	13.5	9.8	14.6





#83

Benzo(a)anthracene

Concen: 3.83 ng/ul

RT: 21.67 min Scan# 3206

Delta R.T. 0.03 min

Lab File: BG018370.D

Acq: 11 Aug 2015 1:22

Instrument :

BNA_G

ClientSampleId :

C01W8

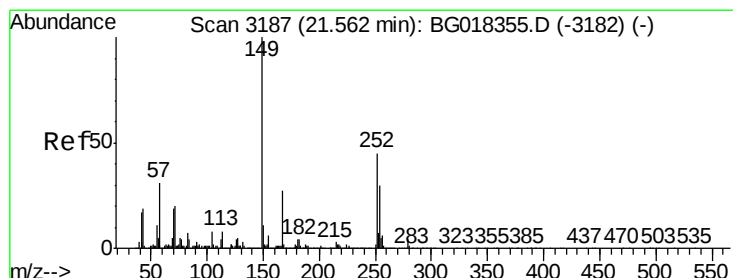
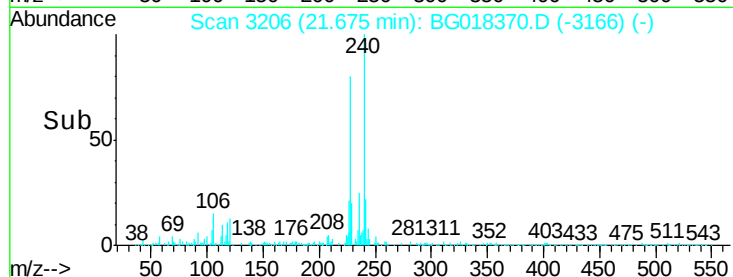
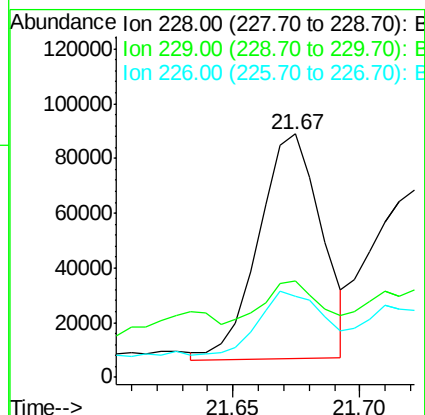
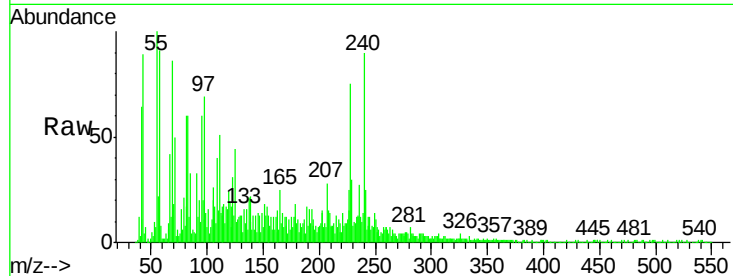
Tgt Ion:228 Resp: 142369

Ion Ratio Lower Upper

228 100

229 39.4 15.5 23.3#

226 33.5 22.1 33.1#



#84

Bis(2-ethylhexyl)phthalate

Concen: 7.23 ng/ul

RT: 21.58 min Scan# 3190

Delta R.T. 0.02 min

Lab File: BG018370.D

Acq: 11 Aug 2015 1:22

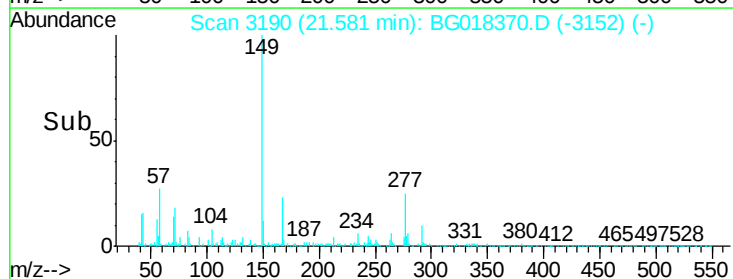
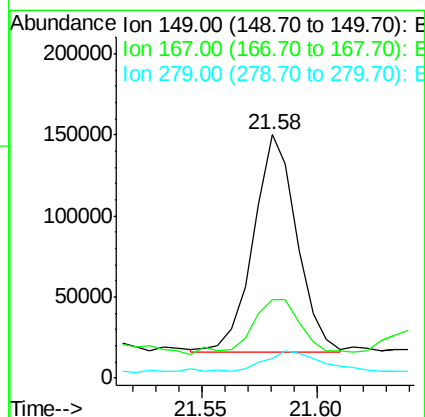
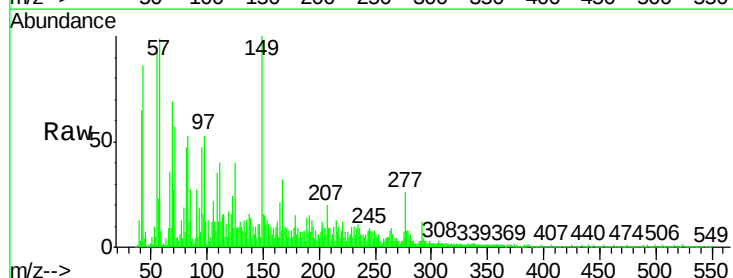
Tgt Ion:149 Resp: 175301

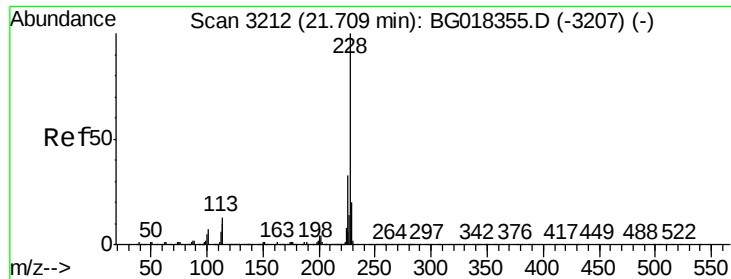
Ion Ratio Lower Upper

149 100

167 32.2 22.2 33.2

279 8.0 2.8 4.2#





#85

Chrysene

Concen: 6.61 ng/ul

RT: 21.74 min Scan# 3217

Delta R.T. 0.03 min

Lab File: BG018370.D

Acq: 11 Aug 2015 1:22

Instrument :

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Tgt Ion: 228 Resp: 230000

Ion Ratio Lower Upper

228 100

226 36.5 26.5 39.7

229 36.2 16.9 25.3#

