

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG080615\
 Data File : BG018305.D
 Acq On : 6 Aug 2015 15:20
 Operator : UM/TP
 Sample : G3109-15DL 5X
 Misc :
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 C01W3DL

Quant Time: Aug 07 01:34:59 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	23166	20.00	ng/ul	0.00
18) Naphthalene-d8	10.21	136	98390	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.12	164	71921	20.00	ng/ul	0.00
62) Phenanthrene-d10	16.88	188	152983	20.00	ng/ul	-0.01
78) Chrysene-d12	21.09	240	94490	20.00	ng/ul	-0.01
86) Perylene-d12	23.26	264	83229	20.00	ng/ul	-0.02

System Monitoring Compounds

3) 1,4-Dioxane-d8	2.89	96	123	0.46	ng/uL	0.00
5) Phenol-d5	6.64	99	7149	3.92	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	6.77	67	3704	4.21	ng/ul	-0.01
9) 2-Chlorophenol-d4	6.97	132	5877	3.87	ng/ul	0.00
13) 4-Methylphenol-d8	8.17	113	3853	2.51	ng/ul	0.00
19) Nitrobenzene-d5	8.59	128	3220	4.23	ng/ul	-0.01
22) 2-Nitrophenol-d4	9.30	143	3853	4.37	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	9.86	165	6283	3.88	ng/ul	0.00
29) 4-Chloroaniline-d4	10.36	131	324	0.17	ng/ul	-0.02
44) Dimethylphthalate-d6	13.53	166	24343	4.38	ng/ul	-0.01
47) Acenaphthylene-d8	13.80	160	24982	3.96	ng/ul	0.00
52) 4-Nitrophenol-d4	14.39	143	1981	2.16	ng/ul	0.00
58) Fluorene-d10	15.11	176	19915	3.99	ng/ul	-0.01
63) 4,6-Dinitro-2-methylphenol	15.28	200	1202	1.13	ng/ul	0.00
71) Anthracene-d10	16.97	188	27144	4.03	ng/ul	-0.01
79) Pyrene-d10	19.29	212	22691	4.29	ng/ul	0.00
90) Benzo(a)pyrene-d12	23.12	264	16022	3.70	ng/ul	-0.02

Target Compounds

						Qvalue
28) Naphthalene	10.26	128	10517	2.27	ng/ul#	95
34) 2-Methylnaphthalene	11.89	142	6079	1.64	ng/ul	95
35) 1-Methylnaphthalene	12.11	142	4720	1.32	ng/ul#	82
45) Dimethylphthalate	13.58	163	9740	1.76	ng/ul#	95
50) Acenaphthene	14.18	153	23682	5.63	ng/ul#	89
54) Dibenzofuran	14.52	168	19032	3.08	ng/ul	91
59) Fluorene	15.17	166	38542	7.09	ng/ul	94
70) Phenanthrene	16.92	178	392896	50.89	ng/ul	96
72) Anthracene	17.01	178	94674	12.29	ng/ul	97
75) Carbazole	17.29	167	15956	2.45	ng/ul#	92
76) Di-n-butylphthalate	17.86	149	14467	1.59	ng/ul	97
77) Fluoranthene	18.95	202	321299	37.52	ng/ul#	96
80) Pyrene	19.32	202	304259	46.31	ng/ul	98
83) Benzo(a)anthracene	21.07	228	99340	19.92	ng/ul	96
84) Bis(2-ethylhexyl)phthalate	21.01	149	12794	4.17	ng/ul#	94
85) Chrysene	21.07	228	99618	22.23	ng/ul	93
88) Benzo(b)fluoranthene	22.61	252	91841	17.99	ng/ul#	98
89) Benzo(k)fluoranthene	22.61	252	91841	18.76	ng/ul	94
91) Benzo(a)pyrene	23.07	252	43225	9.70	ng/ul	99
92) Indeno(1,2,3-cd)pyrene	25.44	276	45174	8.19	ng/ul	98
94) Benzo(g,h,i)perylene	26.10	276	36923	8.25	ng/ul	92

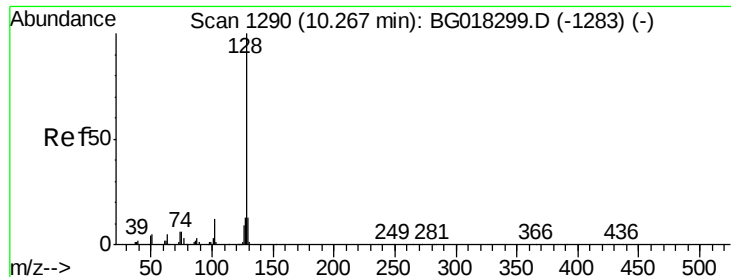
Data Path : Z:\HPCHEM1\BNA_G\DATA\BG080615\
Data File : BG018305.D
Acq On : 6 Aug 2015 15:20
Operator : UM/TP
Sample : G3109-15DL 5X
Misc :
ALS Vial : 31 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
C01W3DL

Quant Time: Aug 07 01:34:59 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)

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



#28

Naphthalene

Concen: 2.27 ng/ul

RT: 10.26 min Scan# 1289

Delta R.T. -0.01 min

Lab File: BG018305.D

Acq: 6 Aug 2015 15:20

Instrument :

BNA_G

ClientSampleId :

C01W3DL

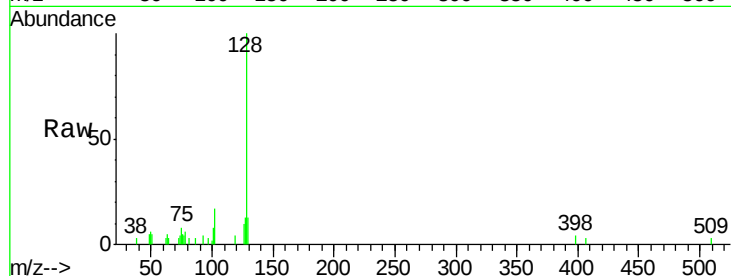
Tgt Ion:128 Resp: 10517

Ion Ratio Lower Upper

128 100

129 13.3 7.8 11.6#

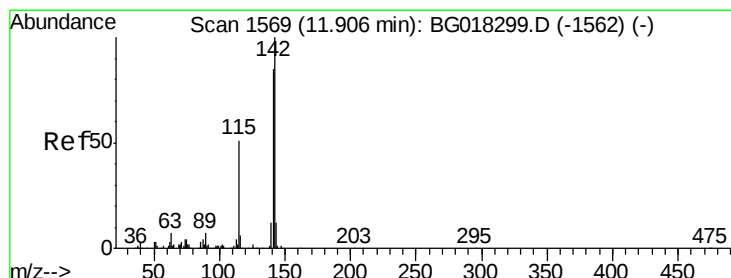
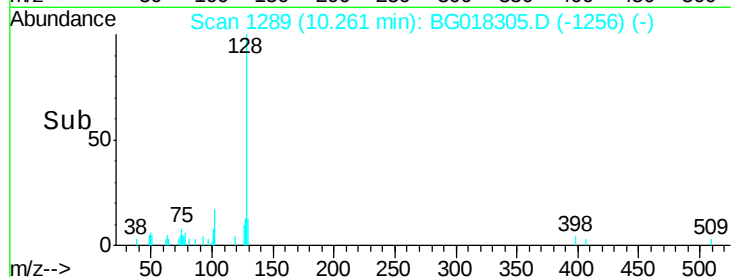
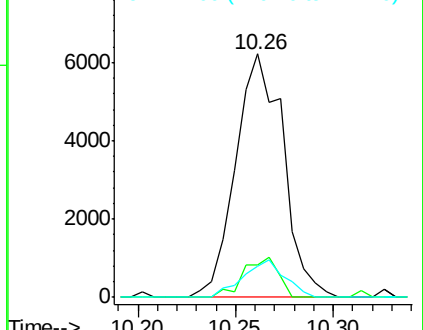
127 13.0 10.2 15.4



Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#34

2-Methylnaphthalene

Concen: 1.64 ng/ul

RT: 11.89 min Scan# 1567

Delta R.T. -0.01 min

Lab File: BG018305.D

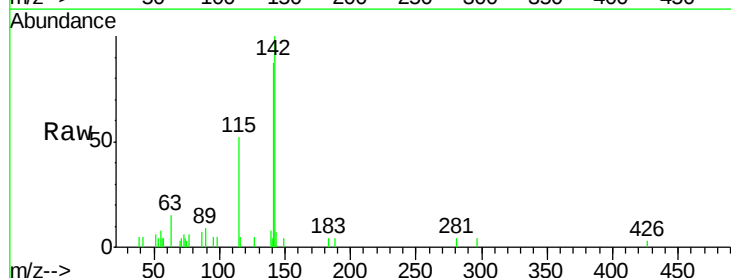
Acq: 6 Aug 2015 15:20

Tgt Ion:142 Resp: 6079

Ion Ratio Lower Upper

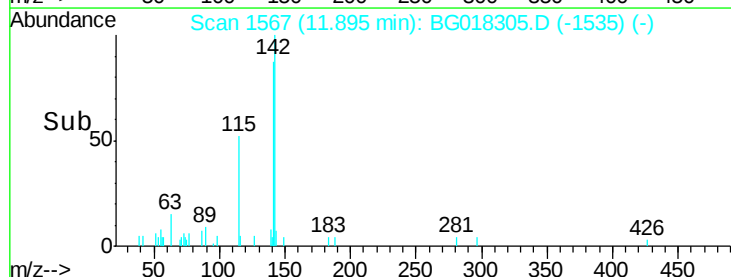
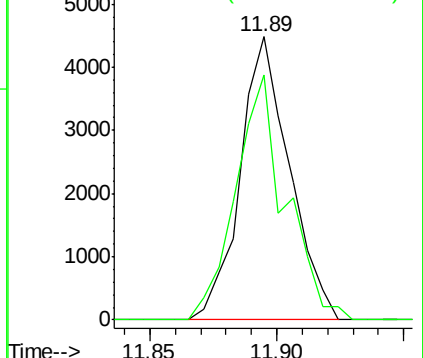
142 100

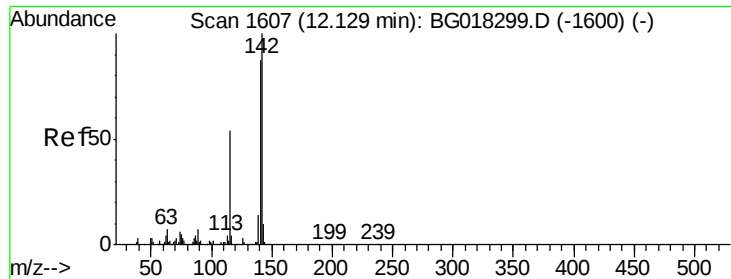
141 86.6 65.9 98.9



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

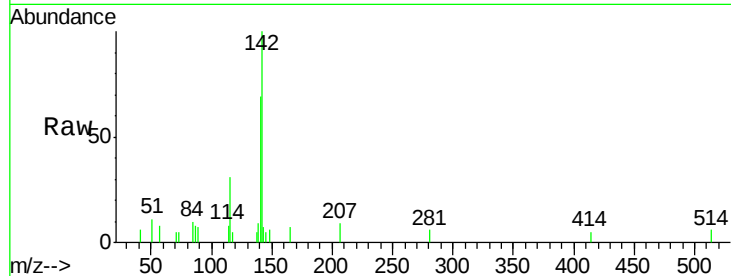




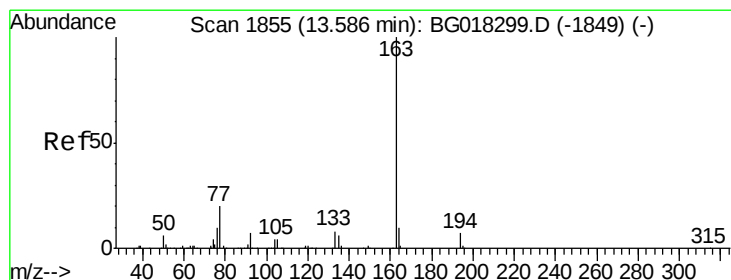
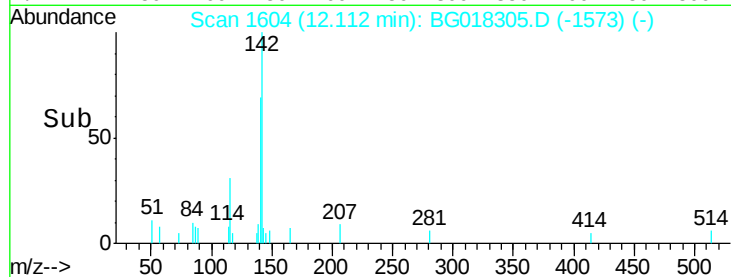
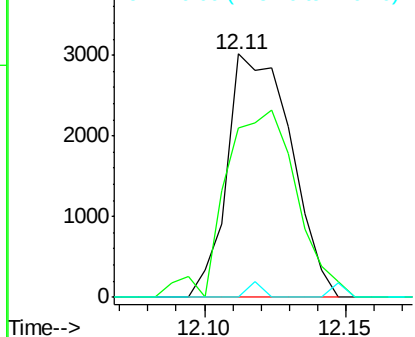
#35
 1-Methylnaphthalene
 Concen: 1.32 ng/ul
 RT: 12.11 min Scan# 1604
 Delta R.T. -0.02 min
 Lab File: BG018305.D
 Acq: 6 Aug 2015 15:20

Instrument :
 BNA_G
 ClientSampleId :
 C01W3DL

Tgt Ion:142 Resp: 4720
 Ion Ratio Lower Upper
 142 100
 141 69.5 69.0 103.4
 116 0.0 4.2 6.4#

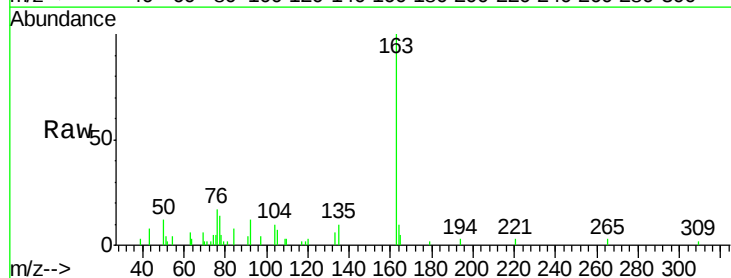


Abundance Ion 142.00 (141.70 to 142.70): E
 Ion 141.00 (140.70 to 141.70): E
 Ion 116.00 (115.70 to 116.70): E

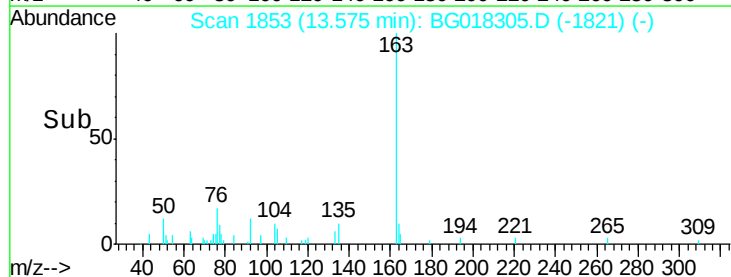
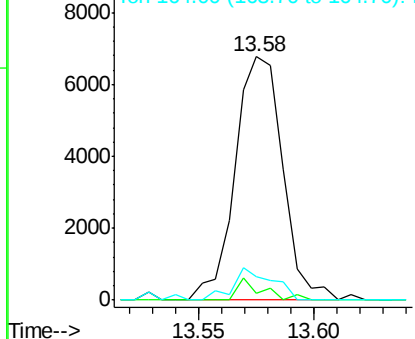


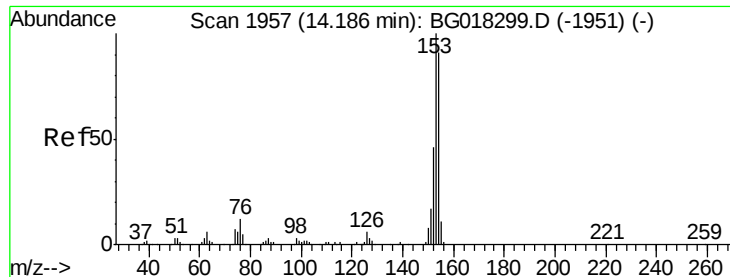
#45
 Dimethylphthalate
 Concen: 1.76 ng/ul
 RT: 13.58 min Scan# 1853
 Delta R.T. -0.01 min
 Lab File: BG018305.D
 Acq: 6 Aug 2015 15:20

Tgt Ion:163 Resp: 9740
 Ion Ratio Lower Upper
 163 100
 194 3.0 5.4 8.2#
 164 9.8 7.8 11.8



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: 5.63 ng/ul

RT: 14.18 min Scan# 1956

Delta R.T. -0.01 min

Lab File: BG018305.D

Acq: 6 Aug 2015 15:20

Instrument :

BNA_G

ClientSampleId :

C01W3DL

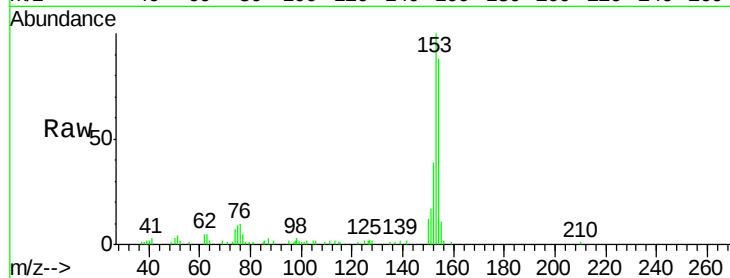
Tgt Ion:153 Resp: 23682

Ion Ratio Lower Upper

153 100

152 38.7 39.0 58.4#

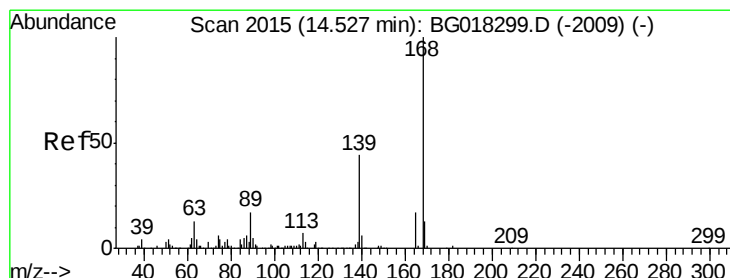
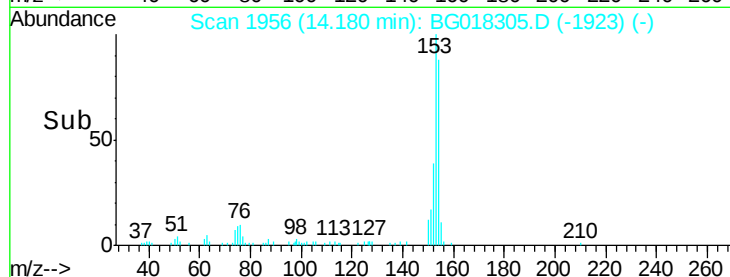
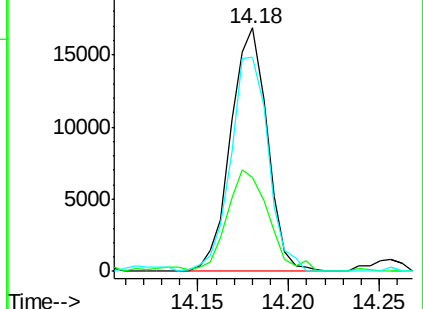
154 87.9 77.4 116.2



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

Dibenzofuran

Concen: 3.08 ng/ul

RT: 14.52 min Scan# 2013

Delta R.T. -0.01 min

Lab File: BG018305.D

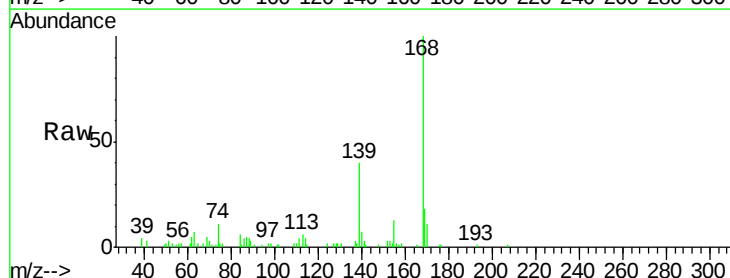
Acq: 6 Aug 2015 15:20

Tgt Ion:168 Resp: 19032

Ion Ratio Lower Upper

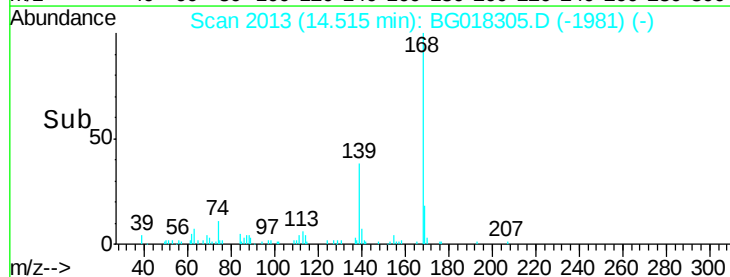
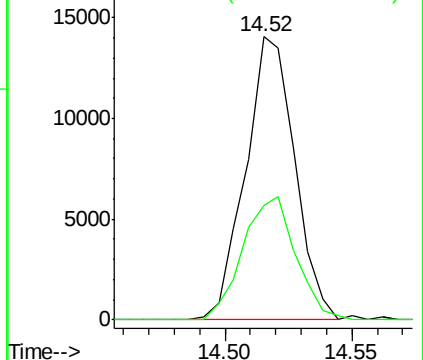
168 100

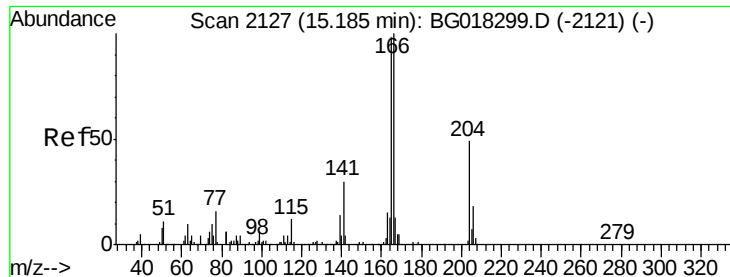
139 40.5 37.1 55.7



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E





#59

Fluorene

Concen: 7.09 ng/ul

RT: 15.17 min Scan# 2125

Delta R.T. -0.01 min

Lab File: BG018305.D

Acq: 6 Aug 2015 15:20

Instrument :

BNA_G

ClientSampleId :

C01W3DL

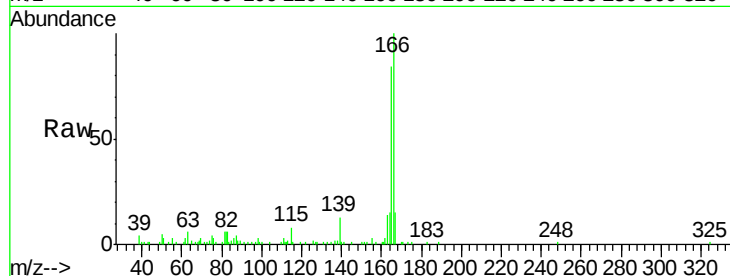
Tgt Ion:166 Resp: 38542

Ion Ratio Lower Upper

166 100

165 84.0 72.4 108.6

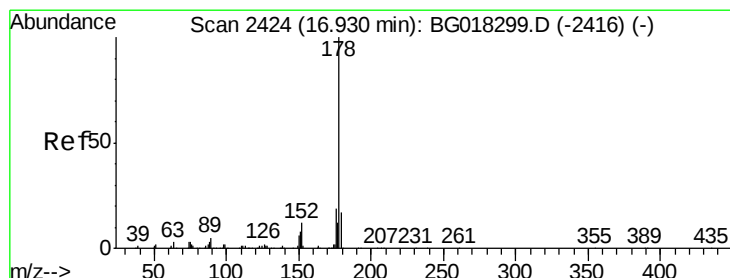
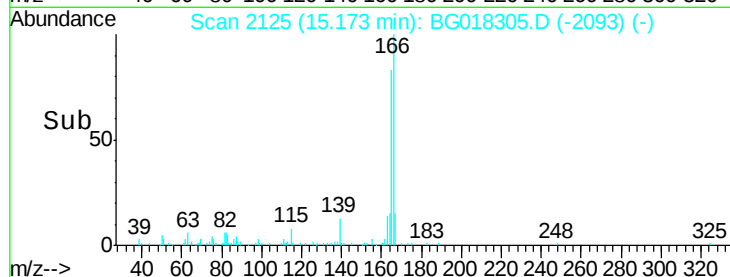
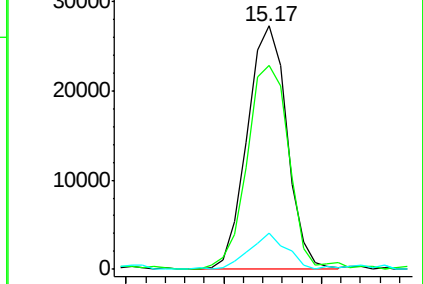
167 14.9 11.4 17.0



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: 50.89 ng/ul

RT: 16.92 min Scan# 2422

Delta R.T. -0.01 min

Lab File: BG018305.D

Acq: 6 Aug 2015 15:20

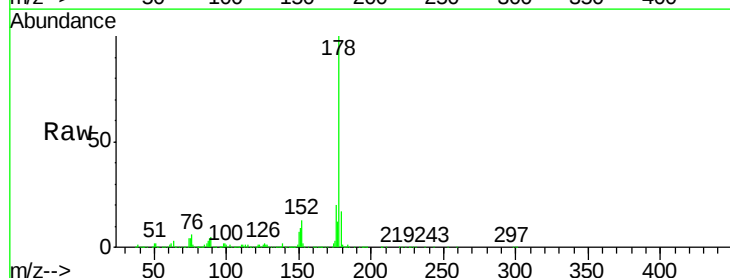
Tgt Ion:178 Resp: 392896

Ion Ratio Lower Upper

178 100

179 16.6 12.2 18.4

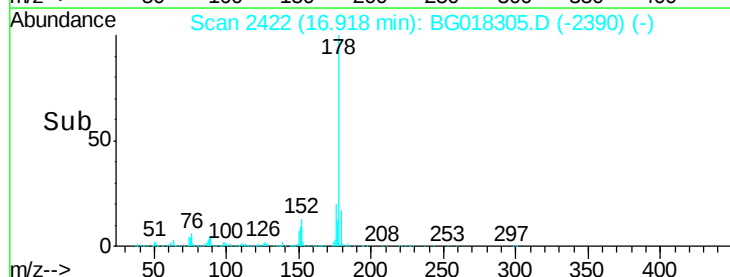
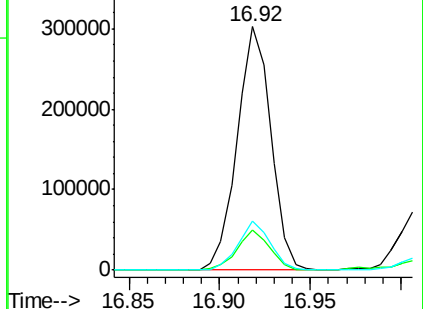
176 20.3 14.5 21.7

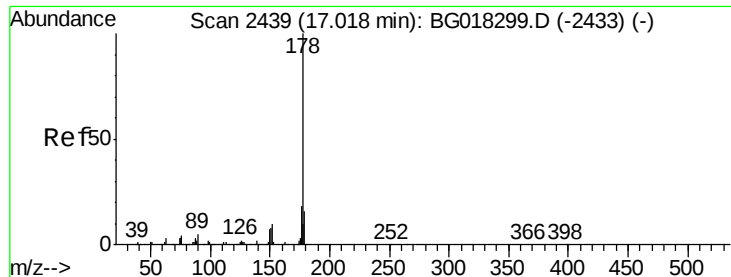


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#72

Anthracene

Concen: 12.29 ng/ul

RT: 17.01 min Scan# 2437

Delta R.T. -0.01 min

Lab File: BG018305.D

Acq: 6 Aug 2015 15:20

Instrument :

BNA_G

ClientSampleId :

C01W3DL

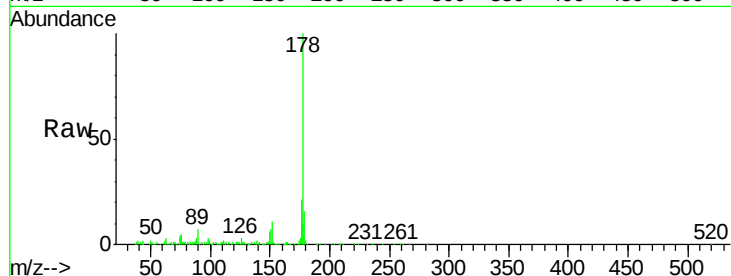
Tgt Ion:178 Resp: 94674

Ion Ratio Lower Upper

178 100

179 15.5 12.2 18.4

176 21.1 15.3 22.9



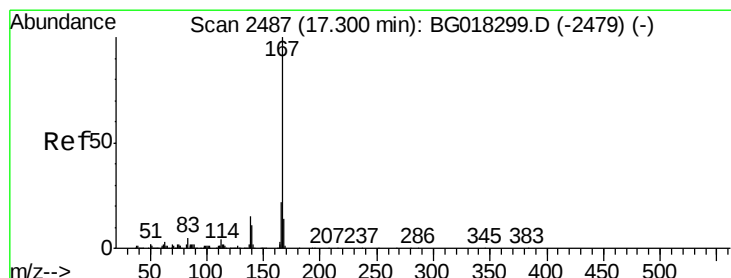
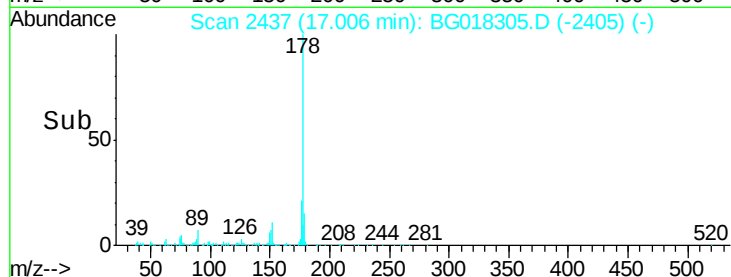
Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E

17.01

Time--> 16.95 17.00 17.05



#75

Carbazole

Concen: 2.45 ng/ul

RT: 17.29 min Scan# 2485

Delta R.T. -0.01 min

Lab File: BG018305.D

Acq: 6 Aug 2015 15:20

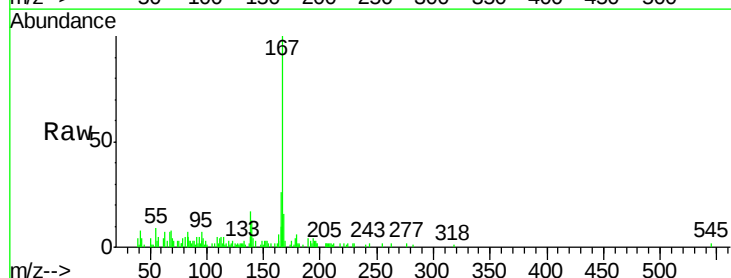
Tgt Ion:167 Resp: 15956

Ion Ratio Lower Upper

167 100

166 25.7 17.8 26.8

139 16.8 10.6 16.0#



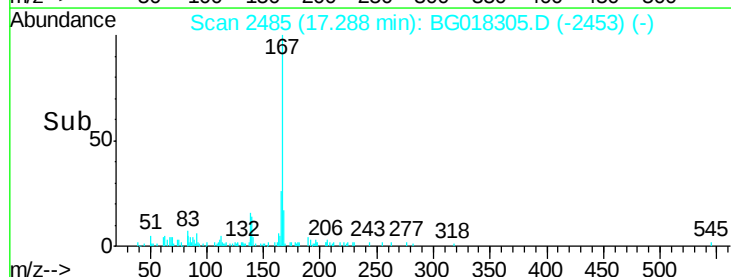
Abundance Ion 167.00 (166.70 to 167.70): E

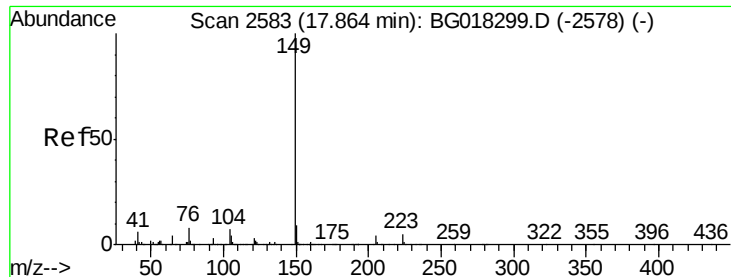
Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E

17.29

Time--> 17.25 17.30

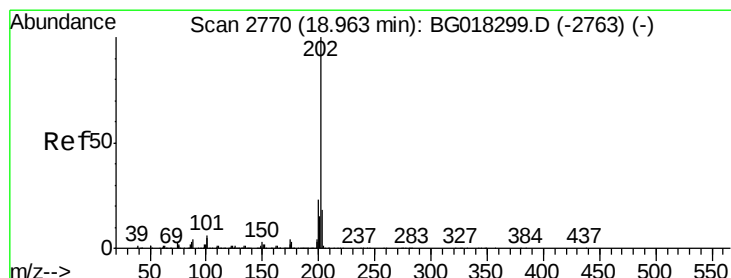
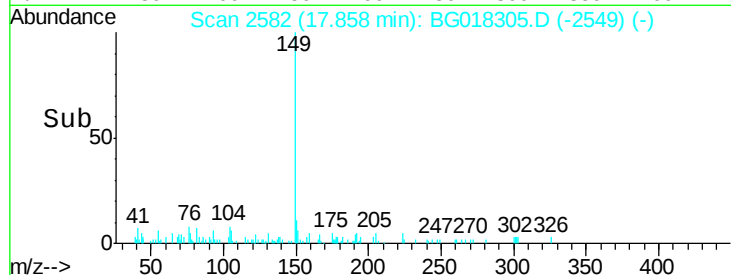
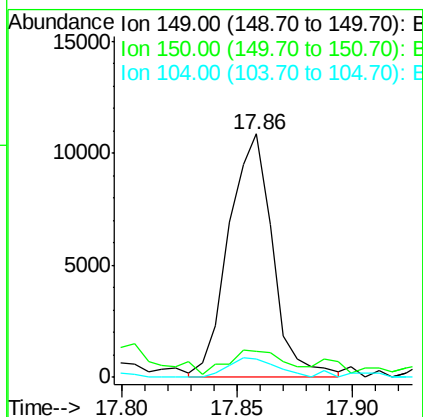
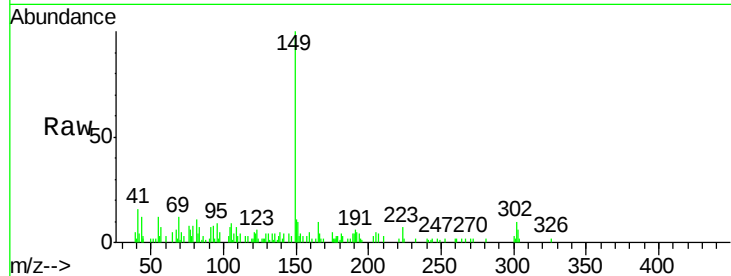




#76
Di-n-butylphthalate
Concen: 1.59 ng/ul
RT: 17.86 min Scan# 2582
Delta R.T. -0.01 min
Lab File: BG018305.D
Acq: 6 Aug 2015 15:20

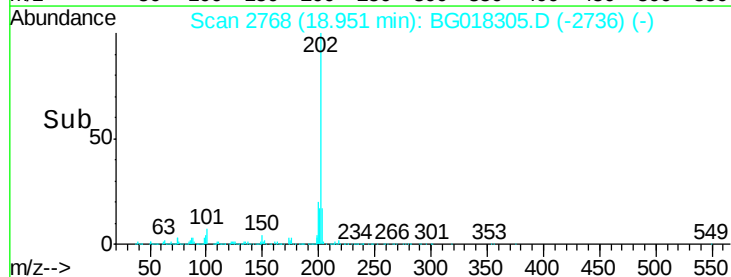
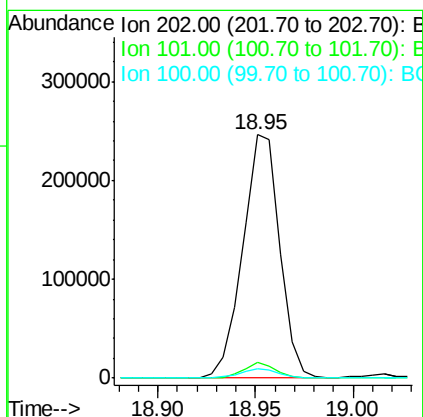
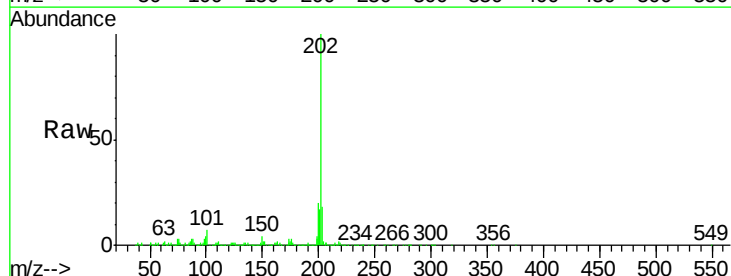
Instrument :
BNA_G
ClientSampleId :
C01W3DL

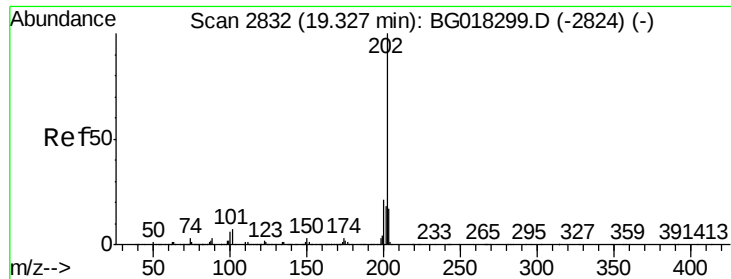
Tgt Ion:149 Resp: 14467
Ion Ratio Lower Upper
149 100
150 10.8 7.4 11.2
104 7.4 5.5 8.3



#77
Fluoranthene
Concen: 37.52 ng/ul
RT: 18.95 min Scan# 2768
Delta R.T. -0.01 min
Lab File: BG018305.D
Acq: 6 Aug 2015 15:20

Tgt Ion:202 Resp: 321299
Ion Ratio Lower Upper
202 100
101 6.6 6.2 9.2
100 4.0 4.6 6.8#

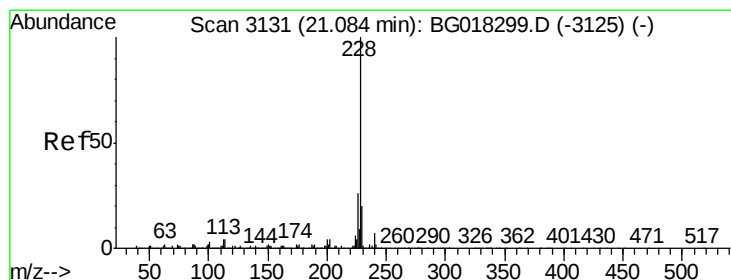
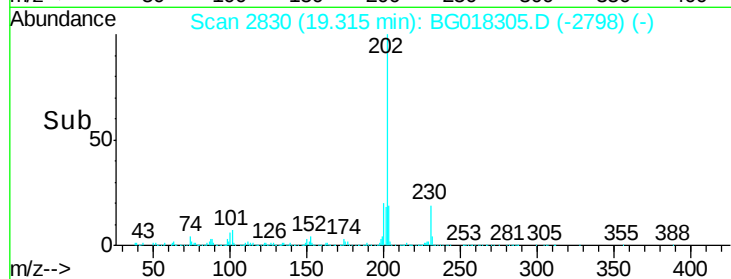
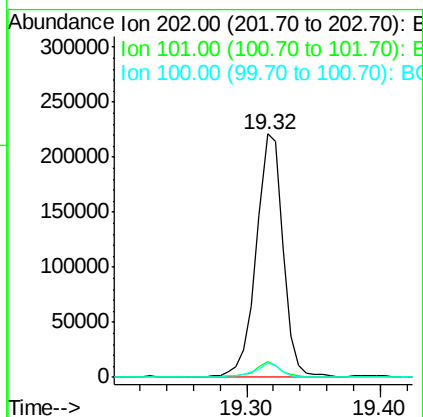
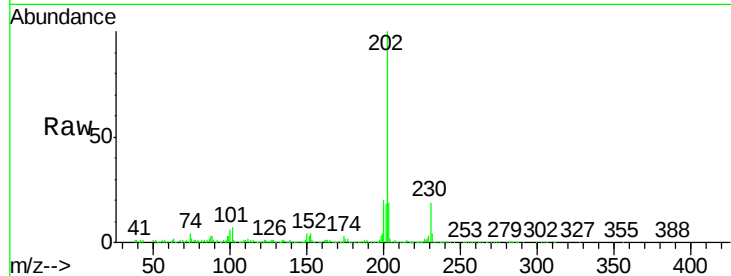




#80
 Pyrene
 Concen: 46.31 ng/ul
 RT: 19.32 min Scan# 2830
 Delta R.T. -0.01 min
 Lab File: BG018305.D
 Acq: 6 Aug 2015 15:20

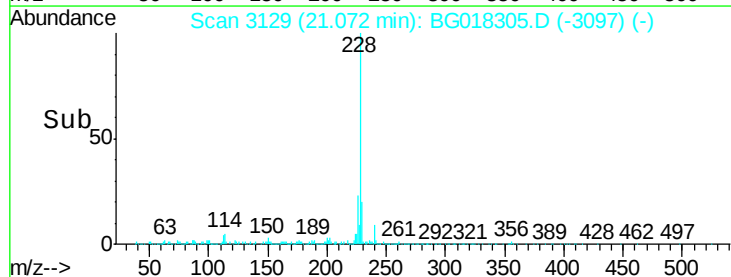
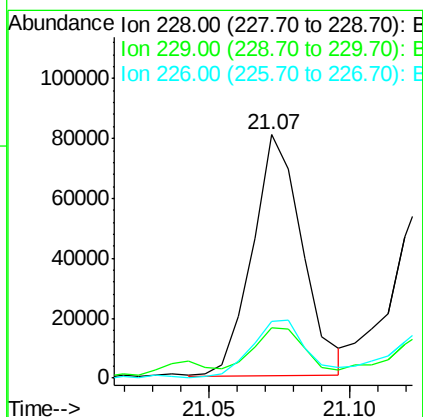
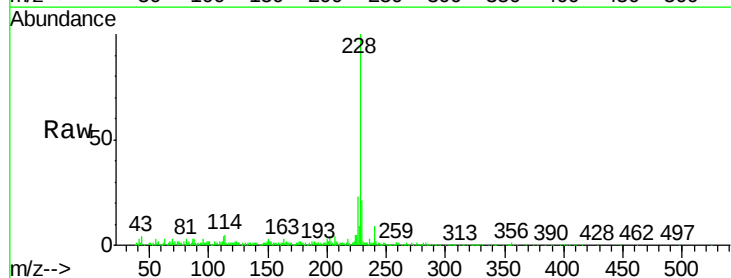
Instrument :
 BNA_G
 ClientSampleId :
 C01W3DL

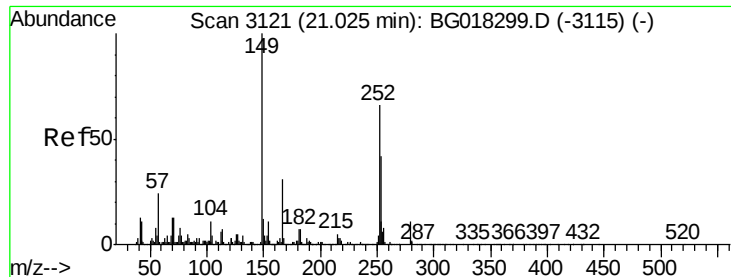
Tgt Ion:	202	Resp:	304259
Ion	Ratio	Lower	Upper
202	100		
101	6.6	6.2	9.2
100	5.8	4.6	7.0



#83
 Benzo(a)anthracene
 Concen: 19.92 ng/ul
 RT: 21.07 min Scan# 3129
 Delta R.T. -0.01 min
 Lab File: BG018305.D
 Acq: 6 Aug 2015 15:20

Tgt Ion:	228	Resp:	99340
Ion	Ratio	Lower	Upper
228	100		
229	20.8	16.3	24.5
226	23.5	21.2	31.8





#84

Bis(2-ethylhexyl)phthalate

Concen: 4.17 ng/ul

RT: 21.01 min Scan# 3119

Delta R.T. -0.01 min

Lab File: BG018305.D

Acq: 6 Aug 2015 15:20

Instrument :

BNA_G

ClientSampleID :

C01W3DL

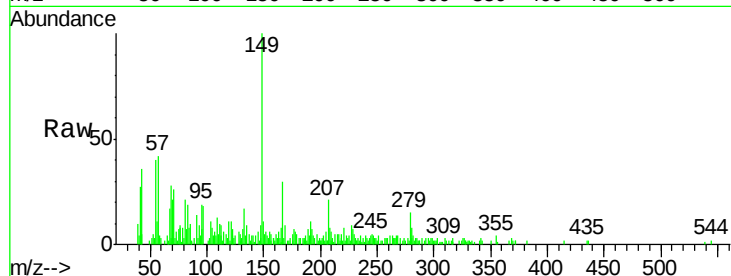
Tgt Ion:149 Resp: 12794

Ion Ratio Lower Upper

149 100

167 30.5 26.4 39.6

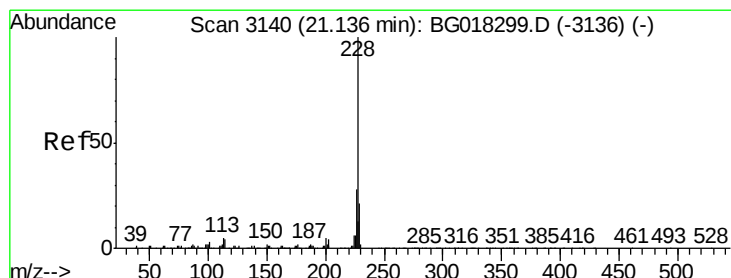
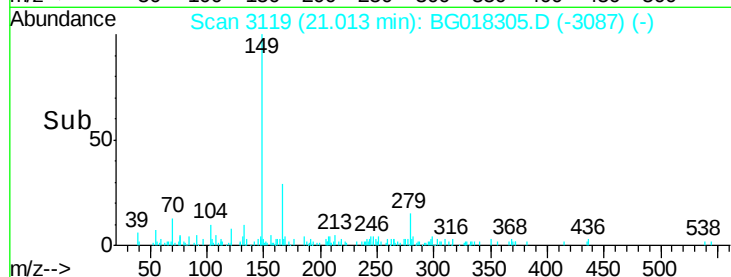
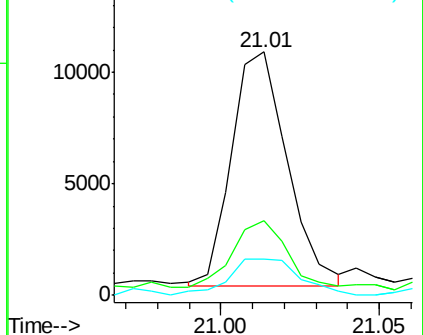
279 15.0 8.6 12.8#



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E



#85

Chrysene

Concen: 22.23 ng/ul

RT: 21.07 min Scan# 3129

Delta R.T. -0.06 min

Lab File: BG018305.D

Acq: 6 Aug 2015 15:20

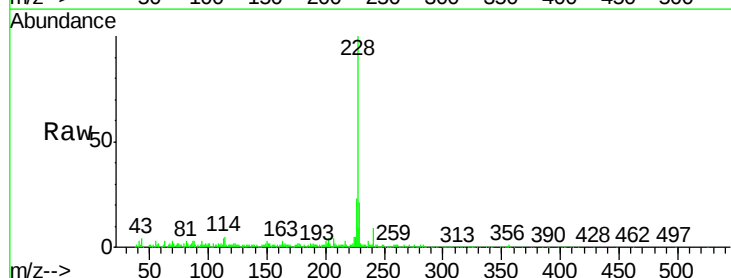
Tgt Ion:228 Resp: 99618

Ion Ratio Lower Upper

228 100

226 23.5 23.0 34.6

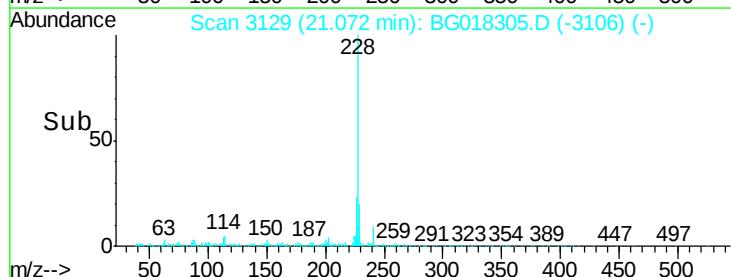
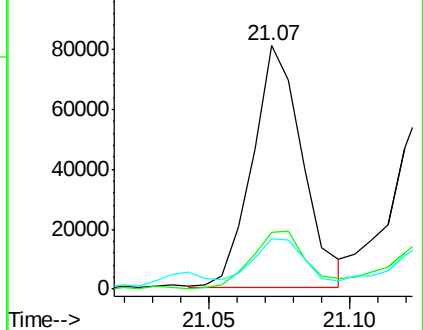
229 20.8 15.9 23.9

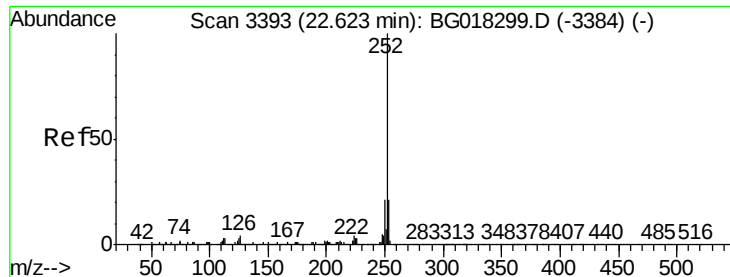


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#88

Benzo(b)fluoranthene

Concen: 17.99 ng/ul

RT: 22.61 min Scan# 3391

Delta R.T. -0.01 min

Lab File: BG018305.D

Acq: 6 Aug 2015 15:20

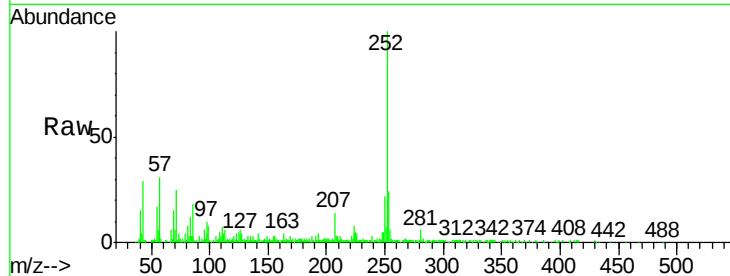
Instrument :

BNA_G

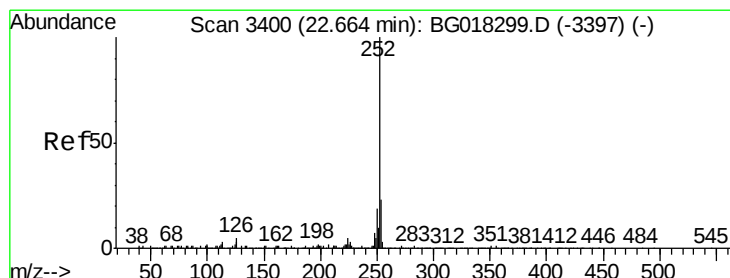
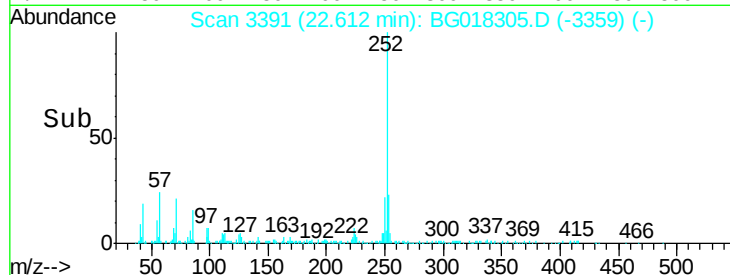
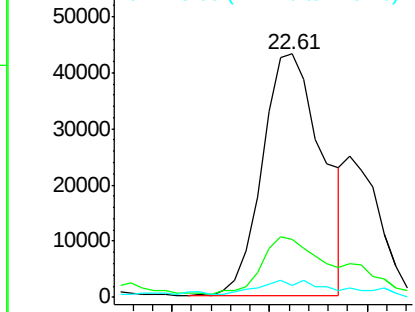
ClientSampleId :

C01W3DL

Tgt Ion:	252	Resp:	91841
Ion Ratio		Lower	Upper
252	100		
253	23.7	18.1	27.1
125	5.1	3.1	4.7#



Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E



#89

Benzo(k)fluoranthene

Concen: 18.76 ng/ul

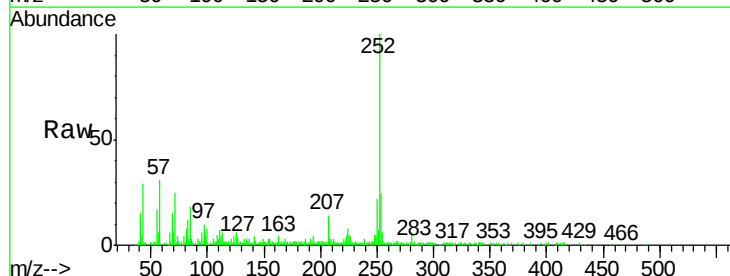
RT: 22.61 min Scan# 3391

Delta R.T. -0.05 min

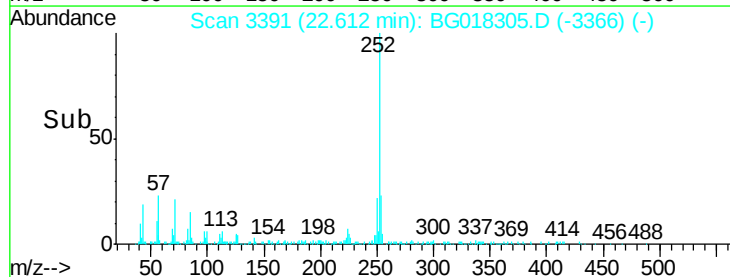
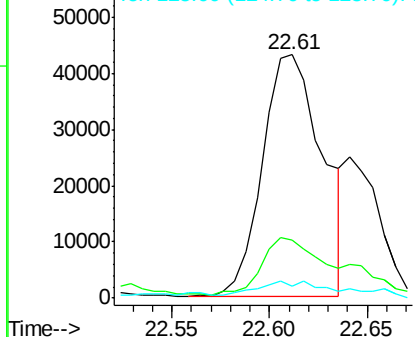
Lab File: BG018305.D

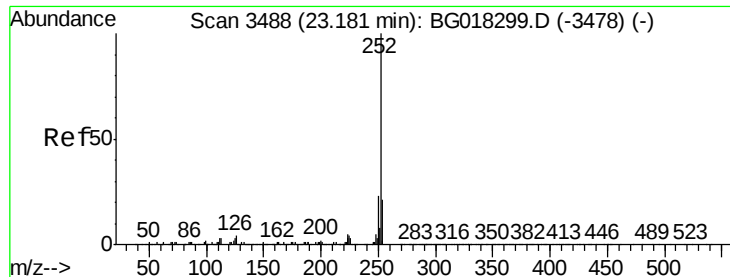
Acq: 6 Aug 2015 15:20

Tgt Ion:	252	Resp:	91841
Ion Ratio		Lower	Upper
252	100		
253	23.7	16.4	24.6
125	5.1	3.4	5.2



Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E





#91

Benzo(a)pyrene

Concen: 9.70 ng/ul

RT: 23.07 min Scan# 3469

Delta R.T. -0.11 min

Lab File: BG018305.D

Acq: 6 Aug 2015 15:20

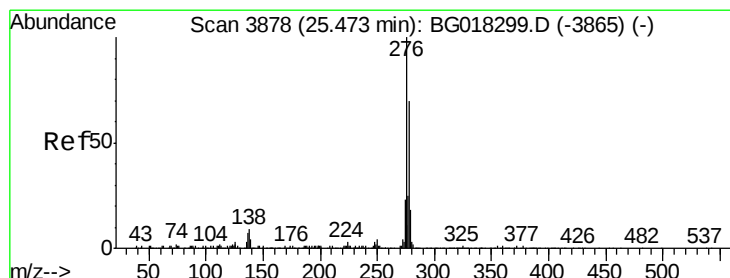
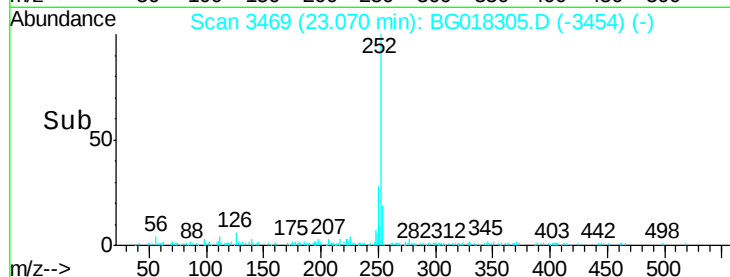
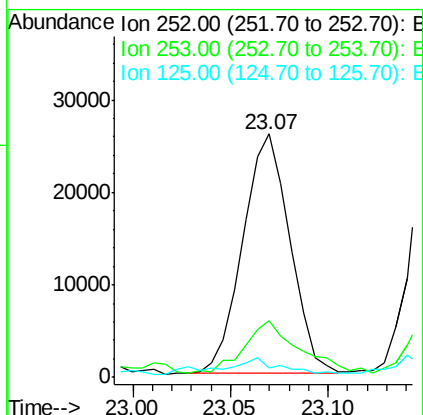
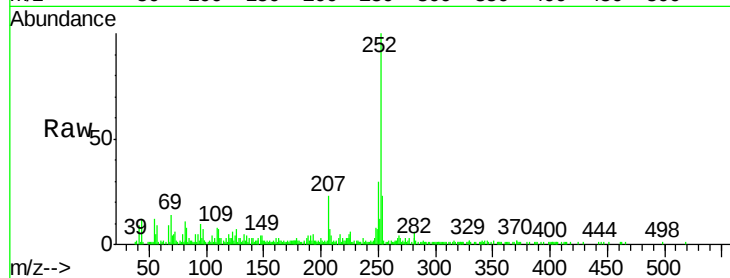
Instrument :

BNA_G

ClientSampleId :

C01W3DL

Tgt Ion:	252	Resp:	43225
Ion	Ratio	Lower	Upper
252	100		
253	23.3	18.9	28.3
125	3.9	3.2	4.8



#92

Indeno(1,2,3-cd)pyrene

Concen: 8.19 ng/ul

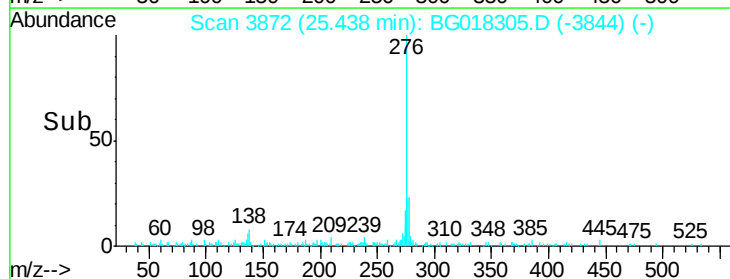
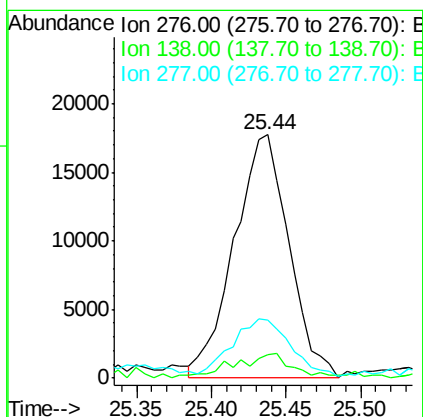
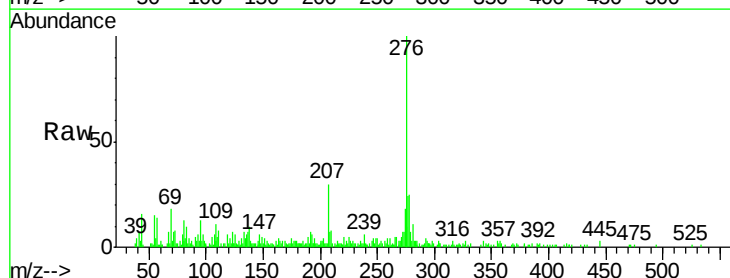
RT: 25.44 min Scan# 3872

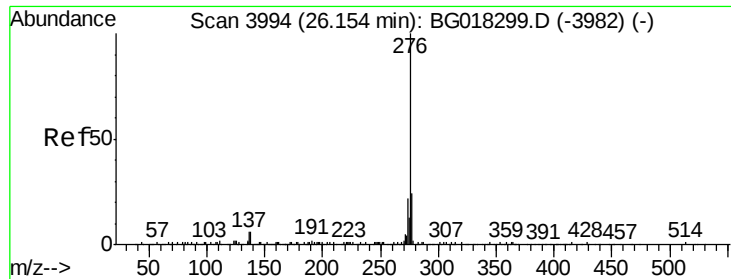
Delta R.T. -0.03 min

Lab File: BG018305.D

Acq: 6 Aug 2015 15:20

Tgt Ion:	276	Resp:	45174
Ion	Ratio	Lower	Upper
276	100		
138	9.8	8.2	12.4
277	24.0	20.1	30.1





#94

Benzo(g,h,i)perylene

Concen: 8.25 ng/ul

RT: 26.10 min Scan# 3985

Delta R.T. -0.05 min

Lab File: BG018305.D

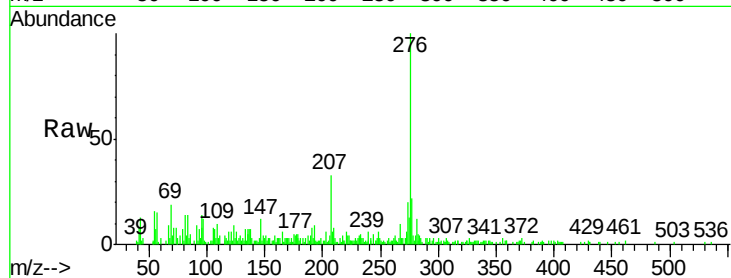
Acq: 6 Aug 2015 15:20

Instrument :

BNA_G

ClientSampleId :

C01W3DL



Tgt Ion:	276	Resp:	36923
Ion	Ratio	Lower	Upper
276	100		
138	6.6	6.0	9.0
277	21.7	21.1	31.7

