

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG072715\
 Data File : BG018162.D
 Acq On : 29 Jul 2015 00:28
 Operator : TP/UM
 Sample : G3035-20DL 5X
 Misc :
 ALS Vial : 51 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 C02D9DL

Quant Time: Jul 29 02:07:06 2015
 Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG072315.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Wed Jul 29 01:59:28 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.52	152	46073	20.00	ng/ul	0.00
18) Naphthalene-d8	10.30	136	203961	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.19	164	122186	20.00	ng/ul	0.01
62) Phenanthrene-d10	16.95	188	233771	20.00	ng/ul	0.01
78) Chrysene-d12	21.15	240	245395	20.00	ng/ul	0.00
86) Perylene-d12	23.35	264	260769	20.00	ng/ul	0.01

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.02	96	72	0.10	ng/uL	0.00
5) Phenol-d5	6.71	99	8096	2.28	ng/ul	0.02
7) Bis-(2-Chloroethyl)ether-d	6.87	67	3962	2.26	ng/ul	0.01
9) 2-Chlorophenol-d4	7.05	132	8029	2.55	ng/ul	0.01
13) 4-Methylphenol-d8	8.23	113	7626	2.42	ng/ul	0.00
19) Nitrobenzene-d5	8.67	128	4209	2.61	ng/ul	0.00
22) 2-Nitrophenol-d4	9.39	143	4744	2.79	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	9.93	165	8461	2.86	ng/ul	0.01
29) 4-Chloroaniline-d4	10.45	131	415	0.12	ng/ul	0.01
44) Dimethylphthalate-d6	13.60	166	23492	2.74	ng/ul	0.00
47) Acenaphthylene-d8	13.87	160	28449	2.70	ng/ul	0.00
52) 4-Nitrophenol-d4	14.43	143	3213	1.78	ng/ul	0.02
58) Fluorene-d10	15.19	176	21048	2.65	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	0.00	200	0	0.00	ng/ul	
71) Anthracene-d10	17.05	188	27521	2.72	ng/ul	0.01
79) Pyrene-d10	19.36	212	27211	2.42	ng/ul	0.01
90) Benzo(a)pyrene-d12	23.21	264	26706	2.15	ng/ul	0.01

Target Compounds

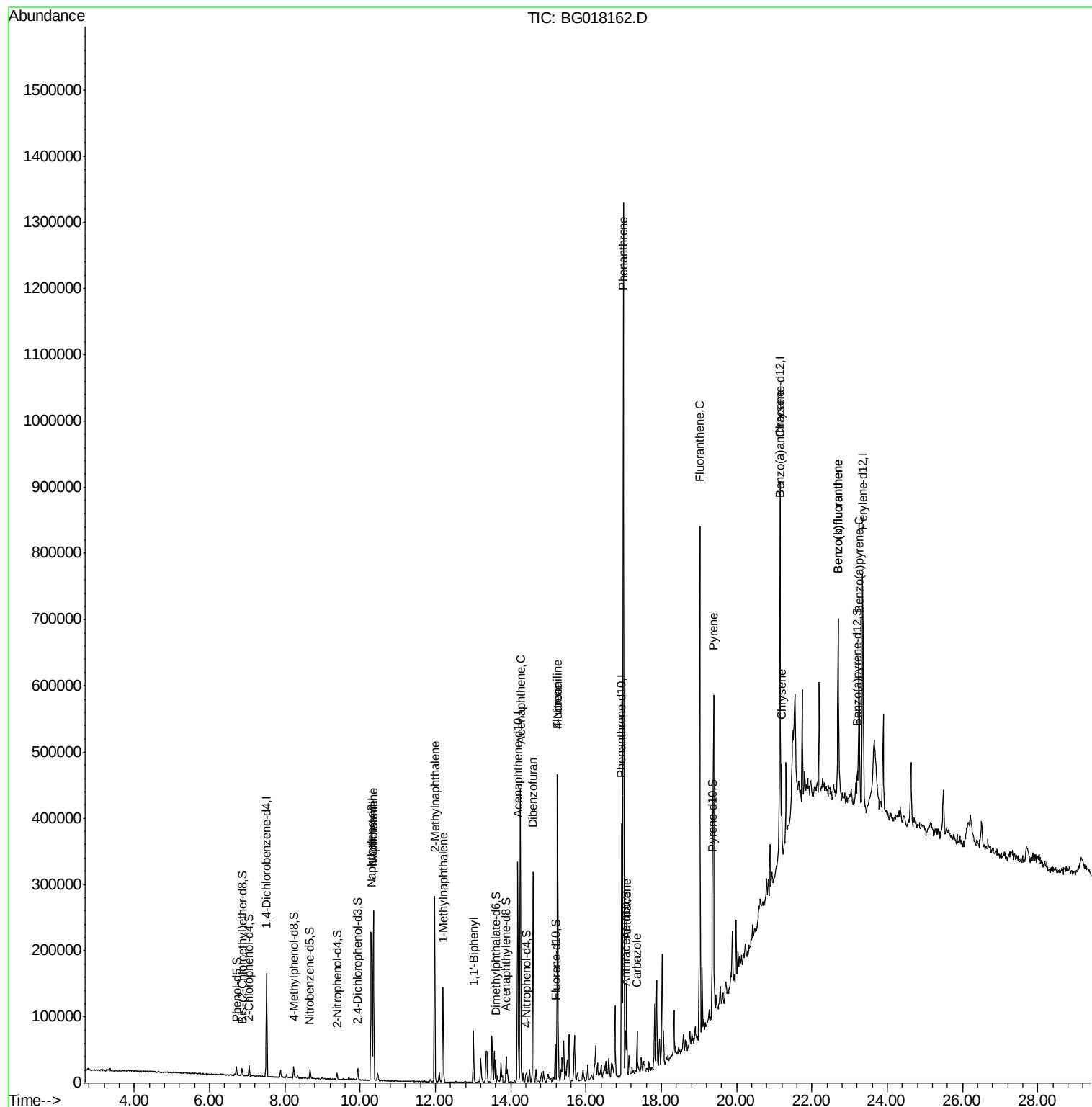
						Qvalue
28) Naphthalene	10.35	128	222725	23.31	ng/ul	98
30) 4-Chloroaniline	10.35	127	28900	8.14	ng/ul#	9
34) 2-Methylnaphthalene	11.98	142	144798	20.07	ng/ul	98
35) 1-Methylnaphthalene	12.20	142	70576	10.02	ng/ul	98
41) 1,1'-Biphenyl	13.01	154	40183	4.80	ng/ul#	96
50) Acenaphthene	14.26	153	190748	26.32	ng/ul	98
54) Dibenzofuran	14.59	168	194150	18.85	ng/ul	97
59) Fluorene	15.24	166	203078	22.91	ng/ul	99
61) 4-Nitroaniline	15.24	138	2268	1.03	ng/ul#	23
70) Phenanthrene	16.99	178	822930	70.06	ng/ul	99
72) Anthracene	17.08	178	89249	7.48	ng/ul	97
75) Carbazole	17.36	167	39063	3.78	ng/ul	99
77) Fluoranthene	19.02	202	459805	36.75	ng/ul	95
80) Pyrene	19.39	202	304109	21.64	ng/ul	94
83) Benzo(a)anthracene	21.14	228	84429	6.51	ng/ul	99
85) Chrysene	21.19	228	73822	6.04	ng/ul	96
88) Benzo(b)fluoranthene	22.69	252	57906	4.05	ng/ul#	86
89) Benzo(k)fluoranthene	22.69	252	57906	4.19	ng/ul#	85
91) Benzo(a)pyrene	23.25	252	31641	2.29	ng/ul#	69

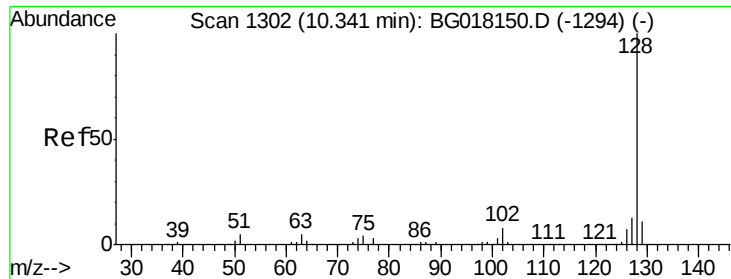
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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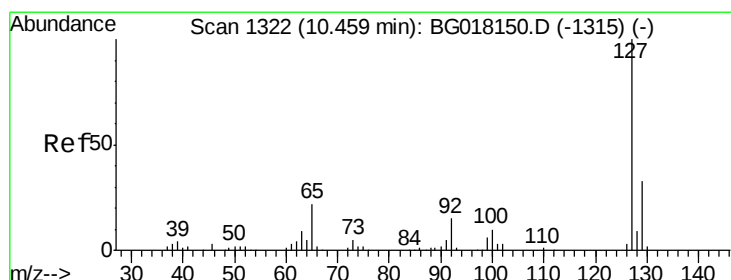
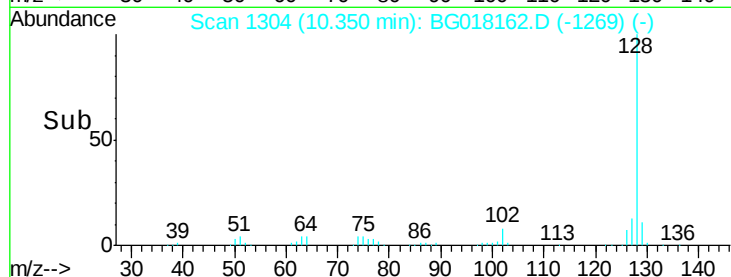
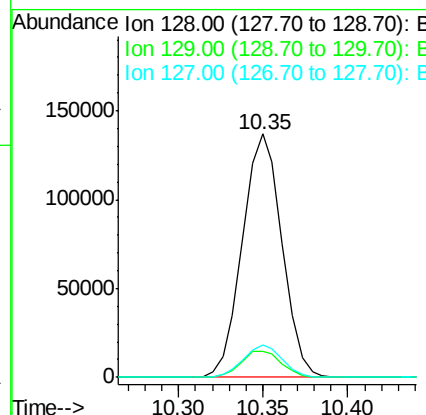
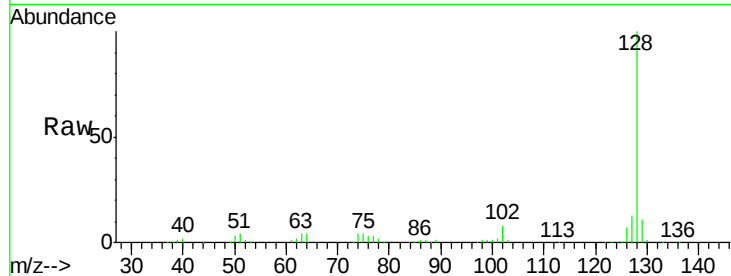




#28
Naphthalene
Concen: 23.31 ng/ul
RT: 10.35 min Scan# 1304
Delta R.T. 0.01 min
Lab File: BG018162.D
Acq: 29 Jul 2015 00:28

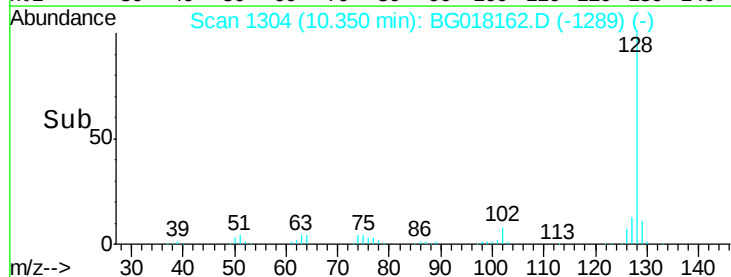
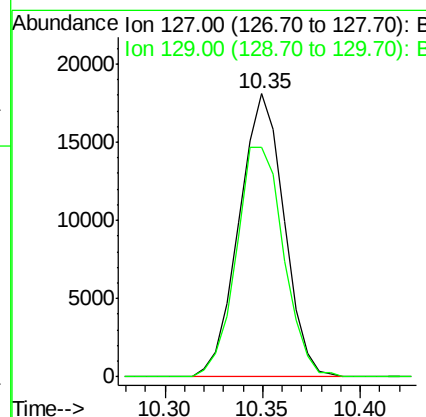
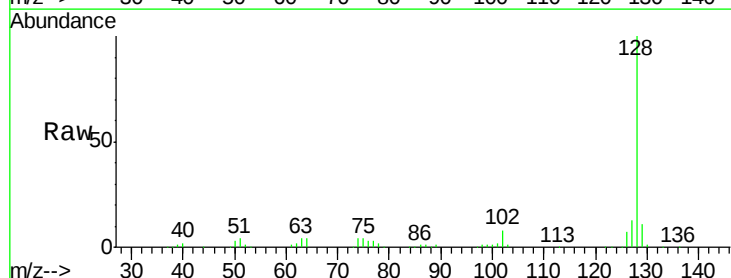
Instrument :
BNA_M
ClientSampleId :
C02D9DL

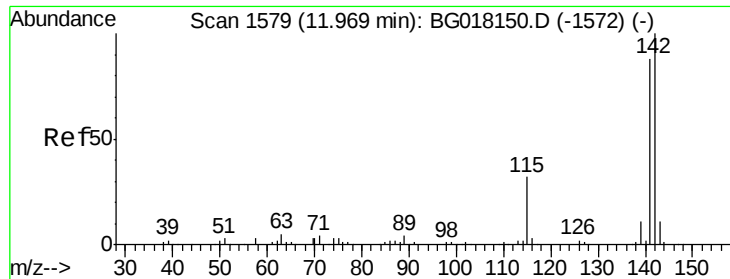
Tgt Ion:128 Resp: 222725
Ion Ratio Lower Upper
128 100
129 10.7 9.5 14.3
127 13.2 10.1 15.1



#30
4-Chloroaniline
Concen: 8.14 ng/ul
RT: 10.35 min Scan# 1304
Delta R.T. -0.11 min
Lab File: BG018162.D
Acq: 29 Jul 2015 00:28

Tgt Ion:127 Resp: 28900
Ion Ratio Lower Upper
127 100
129 81.1 24.7 37.1#

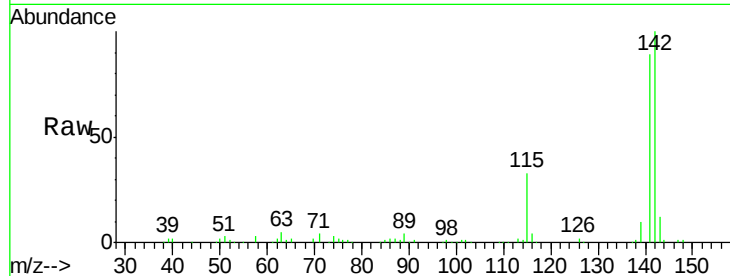




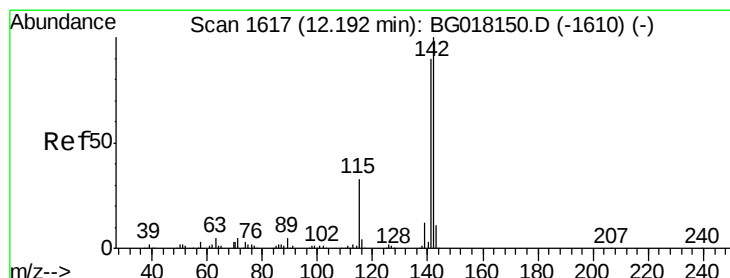
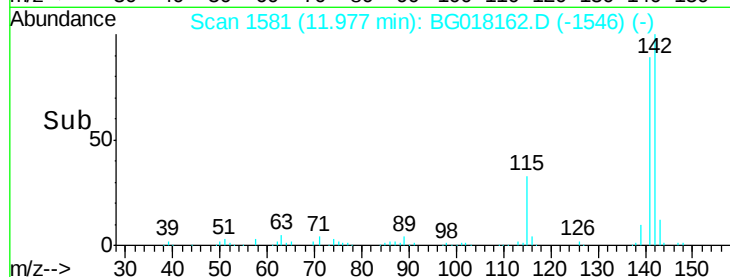
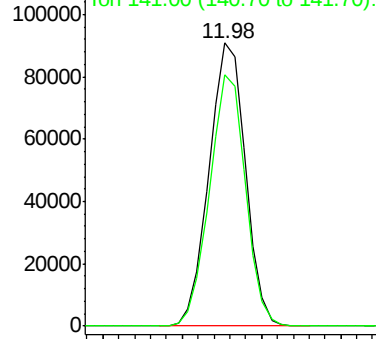
#34
 2-Methylnaphthalene
 Concen: 20.07 ng/ul
 RT: 11.98 min Scan# 1581
 Delta R.T. 0.01 min
 Lab File: BG018162.D
 Acq: 29 Jul 2015 00:28

Instrument :
 BNA_M
 ClientSampleId :
 C02D9DL

Tgt Ion:142 Resp: 144798
 Ion Ratio Lower Upper
 142 100
 141 88.9 69.4 104.0

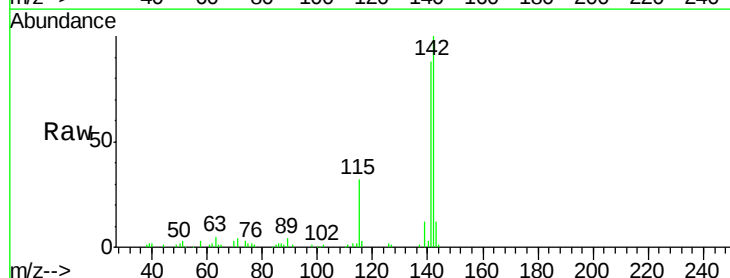


Abundance Ion 142.00 (141.70 to 142.70): E
 Ion 141.00 (140.70 to 141.70): E

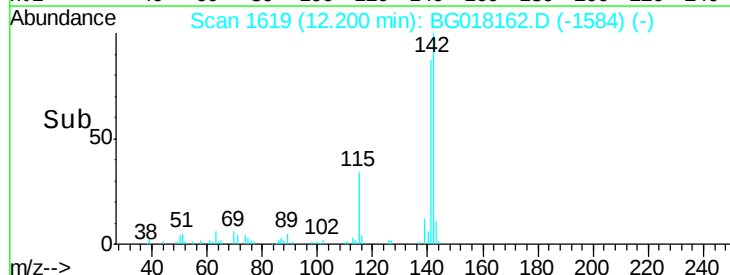
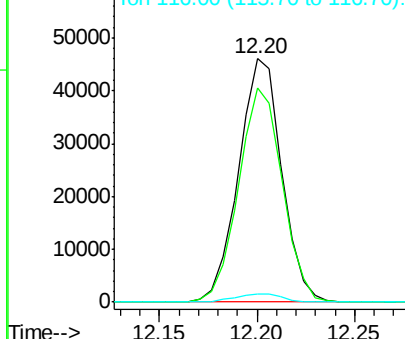


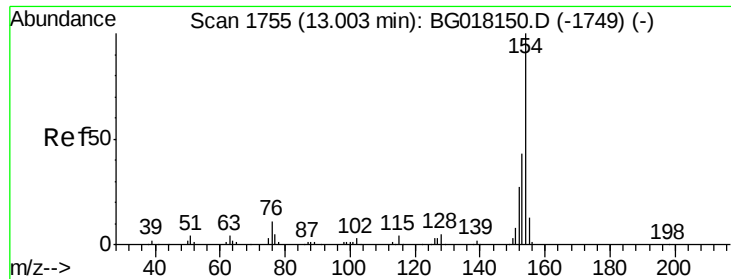
#35
 1-Methylnaphthalene
 Concen: 10.02 ng/ul
 RT: 12.20 min Scan# 1619
 Delta R.T. 0.01 min
 Lab File: BG018162.D
 Acq: 29 Jul 2015 00:28

Tgt Ion:142 Resp: 70576
 Ion Ratio Lower Upper
 142 100
 141 88.0 71.8 107.6
 116 3.2 3.2 4.8



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

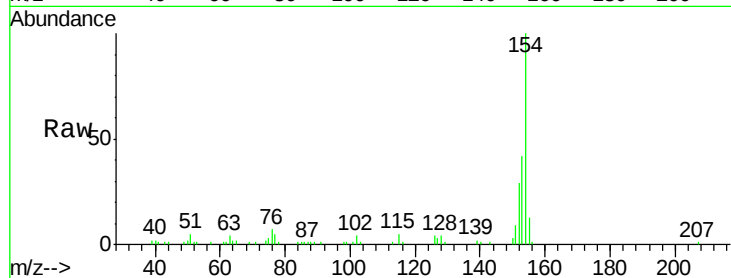




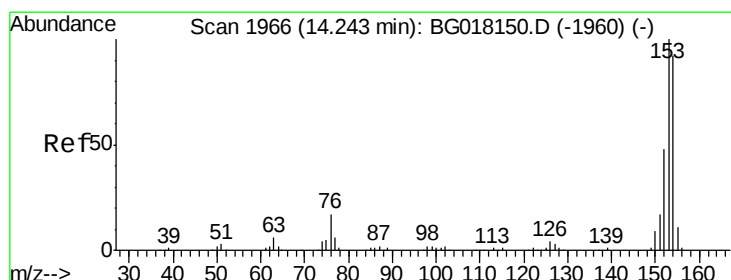
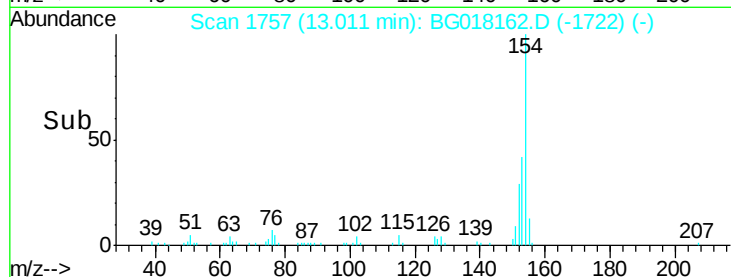
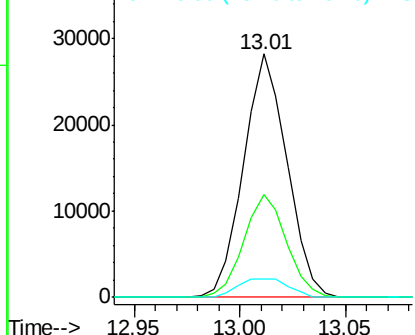
#41
 1,1'-Biphenyl
 Concen: 4.80 ng/ul
 RT: 13.01 min Scan# 1757
 Delta R.T. 0.01 min
 Lab File: BG018162.D
 Acq: 29 Jul 2015 00:28

Instrument :
 BNA_M
 ClientSampleId :
 C02D9DL

Tgt Ion:154 Resp: 40183
 Ion Ratio Lower Upper
 154 100
 153 42.3 33.1 49.7
 76 7.4 9.7 14.5#

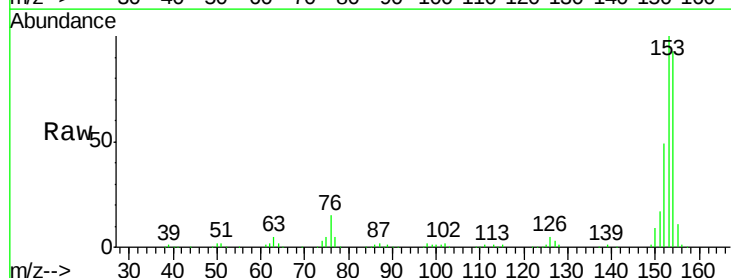


Abundance Ion 154.00 (153.70 to 154.70): E
 Ion 153.00 (152.70 to 153.70): E
 Ion 76.00 (75.70 to 76.70): BGC

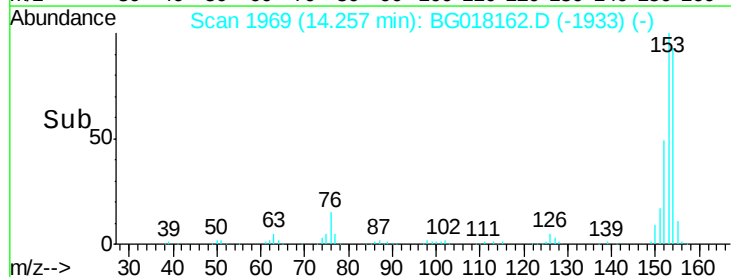
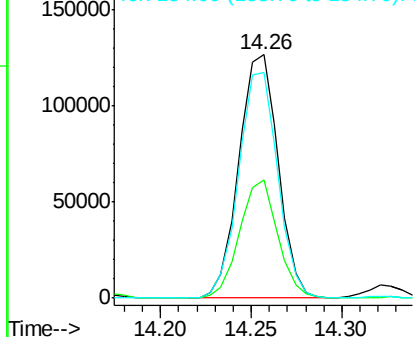


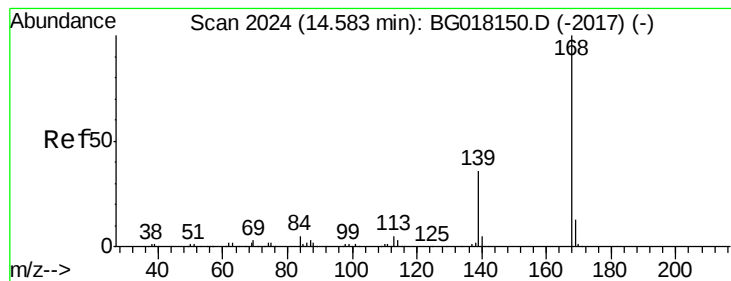
#50
 Acenaphthene
 Concen: 26.32 ng/ul
 RT: 14.26 min Scan# 1969
 Delta R.T. 0.01 min
 Lab File: BG018162.D
 Acq: 29 Jul 2015 00:28

Tgt Ion:153 Resp: 190748
 Ion Ratio Lower Upper
 153 100
 152 48.8 38.9 58.3
 154 92.8 72.6 108.8



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: 18.85 ng/ul

RT: 14.59 min Scan# 2026

Delta R.T. 0.01 min

Lab File: BG018162.D

Acq: 29 Jul 2015 00:28

Instrument :

BNA_M

ClientSampleId :

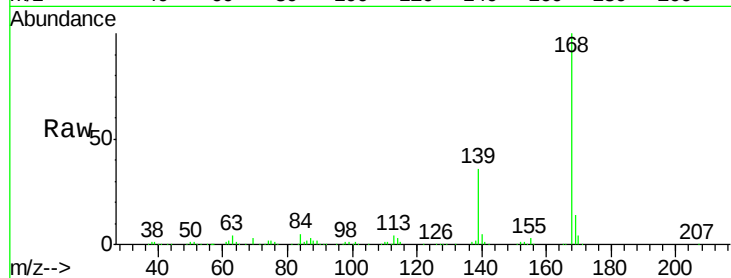
C02D9DL

Tgt Ion:168 Resp: 194150

Ion Ratio Lower Upper

168 100

139 36.5 30.6 46.0



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

14.59

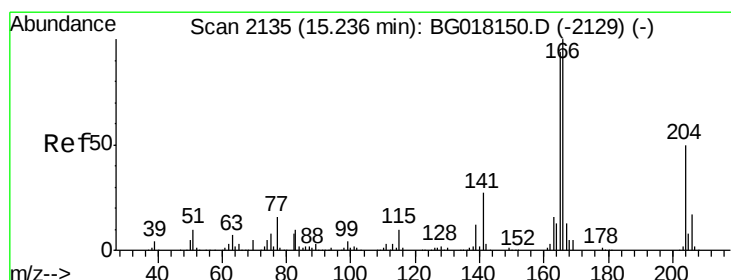
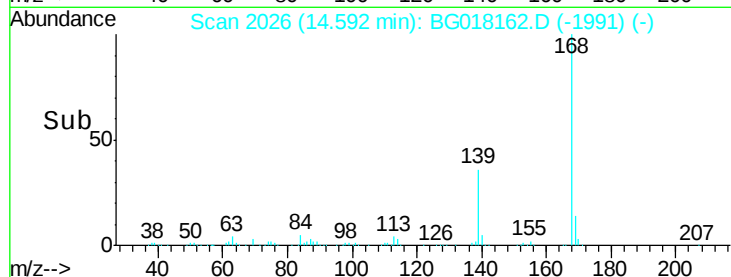
150000

100000

50000

0

Time--> 14.50 14.55 14.60 14.65



#59

Fluorene

Concen: 22.91 ng/ul

RT: 15.24 min Scan# 2137

Delta R.T. 0.01 min

Lab File: BG018162.D

Acq: 29 Jul 2015 00:28

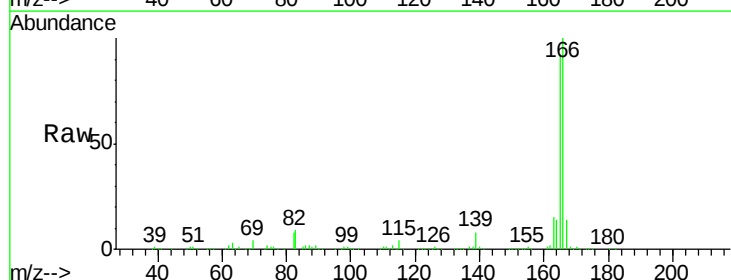
Tgt Ion:166 Resp: 203078

Ion Ratio Lower Upper

166 100

165 92.4 73.6 110.4

167 14.4 10.8 16.2



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

15.24

200000

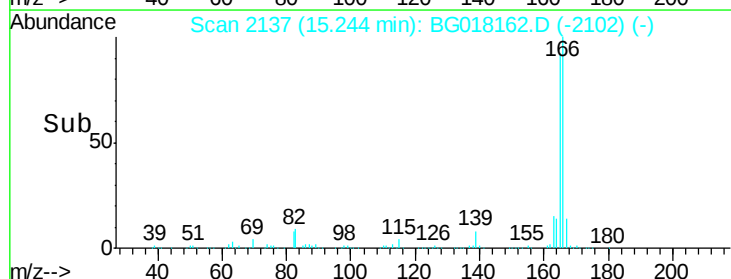
150000

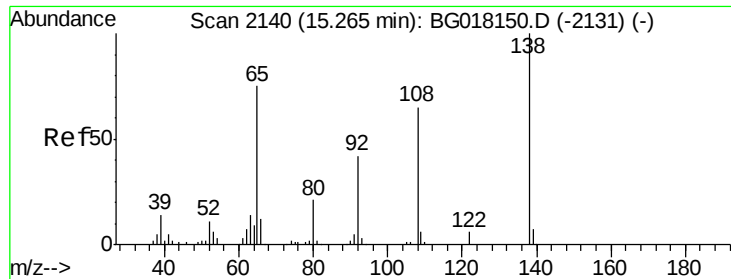
100000

50000

0

Time--> 15.20 15.25 15.30

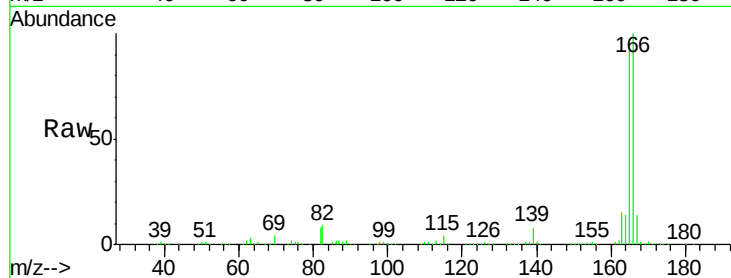




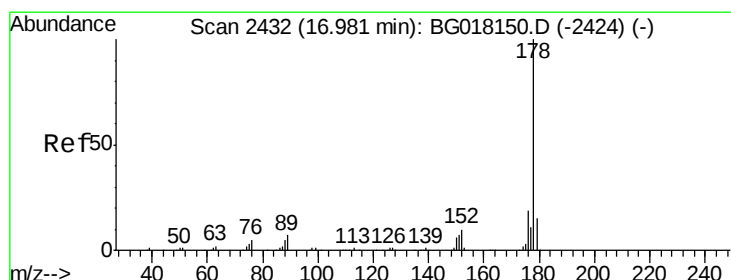
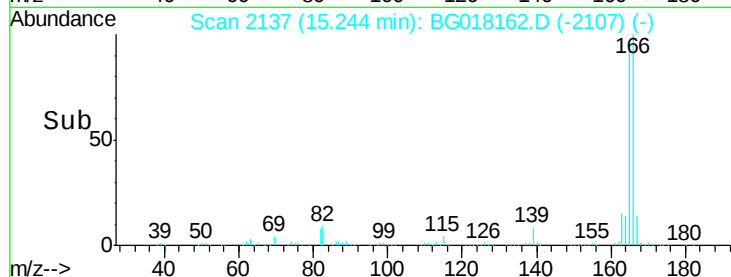
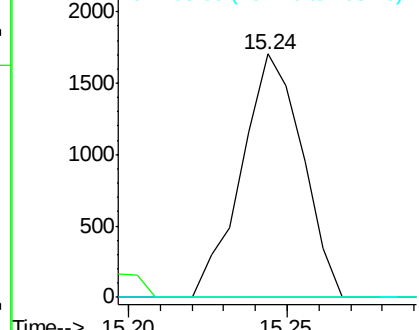
#61
4-Nitroaniline
Concen: 1.03 ng/ul
RT: 15.24 min Scan# 2137
Delta R.T. -0.02 min
Lab File: BG018162.D
Acq: 29 Jul 2015 00:28

Instrument :
BNA_M
ClientSampleId :
C02D9DL

Tgt Ion:138 Resp: 2268
Ion Ratio Lower Upper
138 100
92 0.0 35.8 53.8#
108 0.0 52.5 78.7#

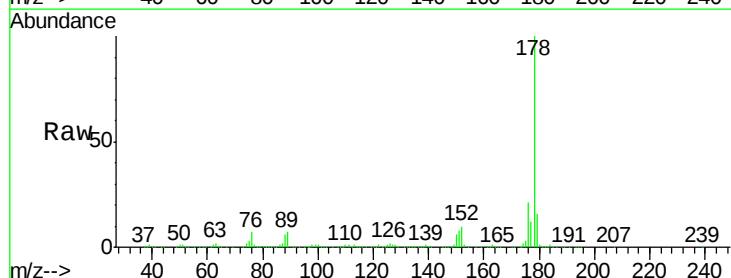


Abundance Ion 138.00 (137.70 to 138.70): E
Ion 92.00 (91.70 to 92.70): BG
Ion 108.00 (107.70 to 108.70): E

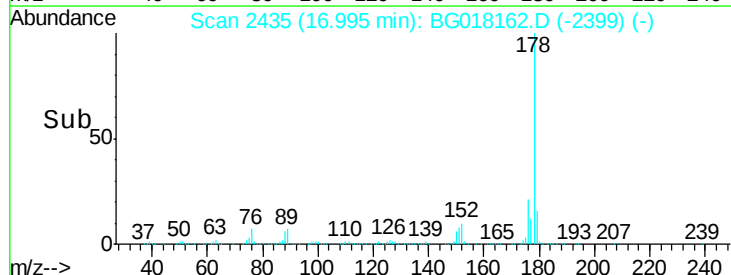
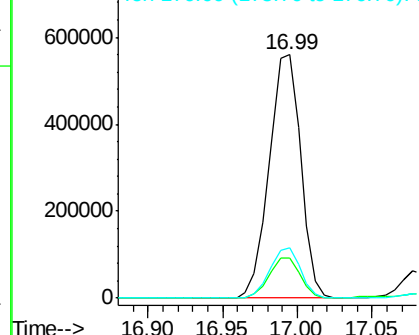


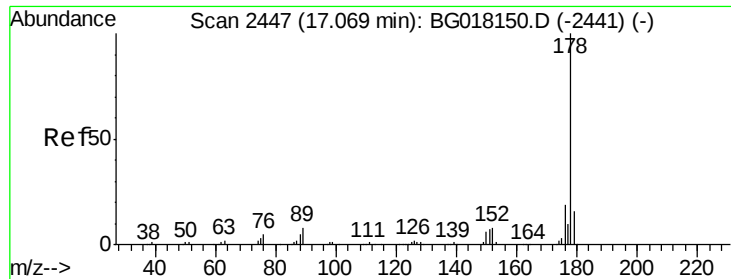
#70
Phenanthrene
Concen: 70.06 ng/ul
RT: 16.99 min Scan# 2435
Delta R.T. 0.01 min
Lab File: BG018162.D
Acq: 29 Jul 2015 00:28

Tgt Ion:178 Resp: 822930
Ion Ratio Lower Upper
178 100
179 16.5 13.0 19.6
176 20.5 15.8 23.8



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: 7.48 ng/ul

RT: 17.08 min Scan# 2449

Delta R.T. 0.01 min

Lab File: BG018162.D

Acq: 29 Jul 2015 00:28

Instrument :

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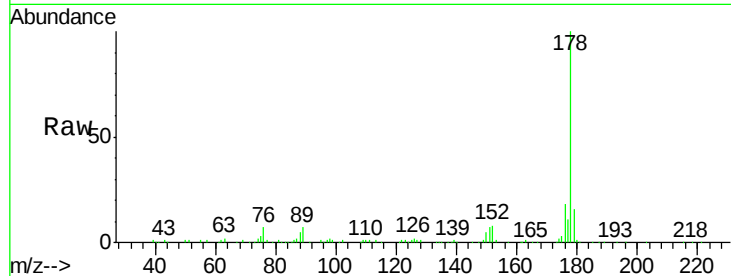
Tgt Ion:178 Resp: 89249

Ion Ratio Lower Upper

178 100

179 16.4 12.4 18.6

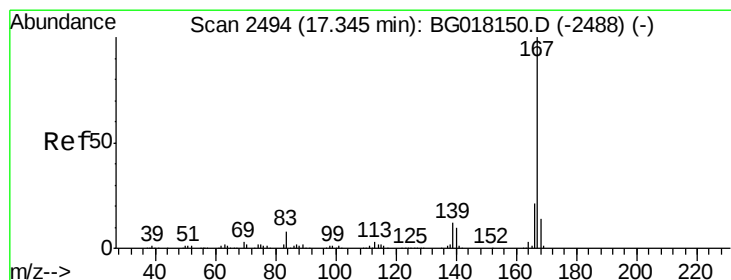
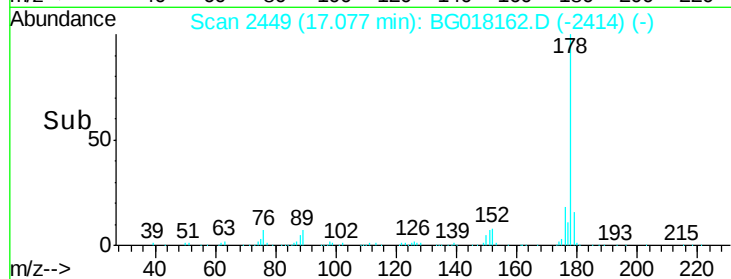
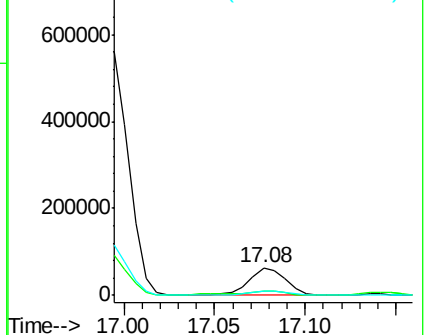
176 17.8 15.8 23.8



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



#75

Carbazole

Concen: 3.78 ng/ul

RT: 17.36 min Scan# 2497

Delta R.T. 0.01 min

Lab File: BG018162.D

Acq: 29 Jul 2015 00:28

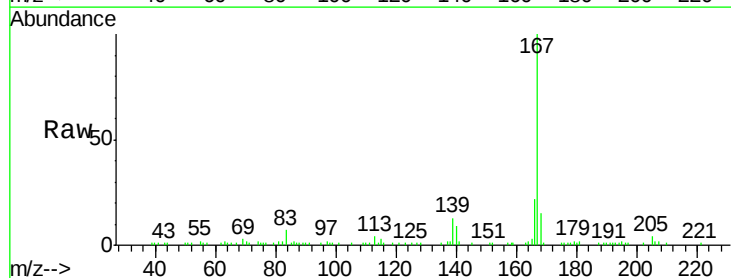
Tgt Ion:167 Resp: 39063

Ion Ratio Lower Upper

167 100

166 22.3 17.4 26.2

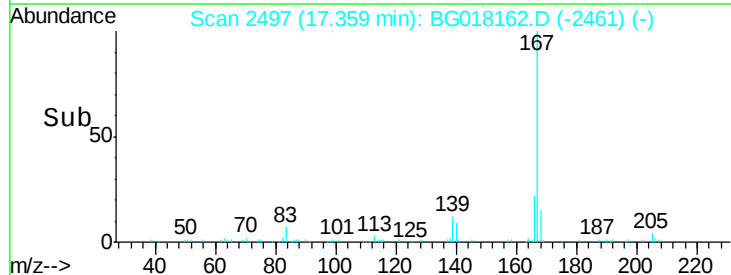
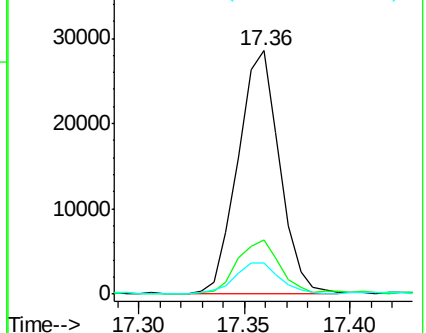
139 12.9 10.6 15.8

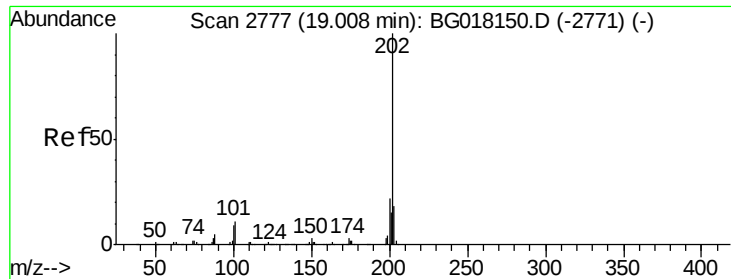


Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E

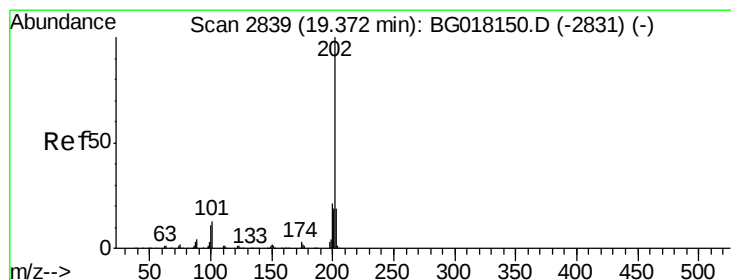
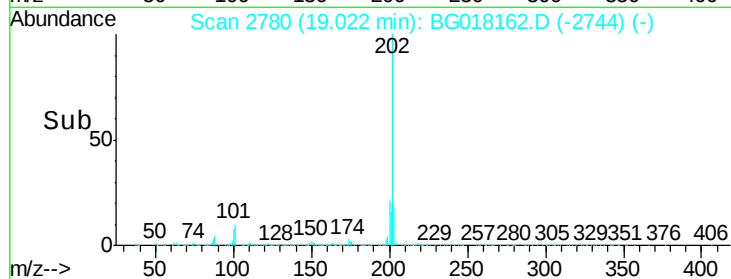
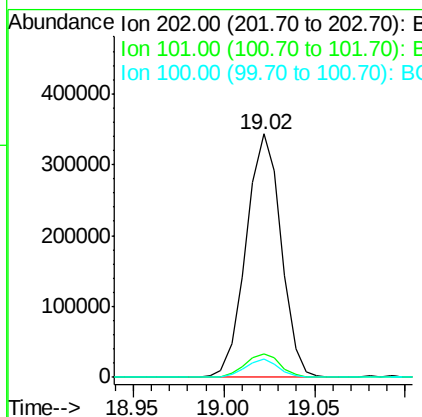
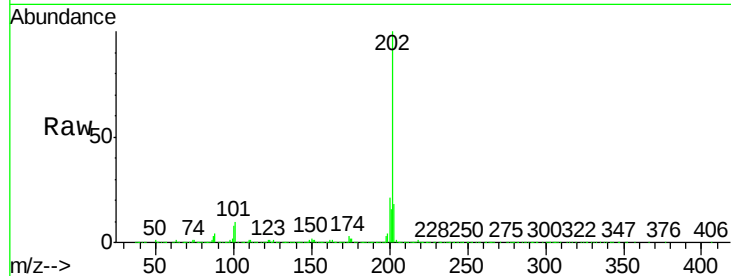




#77
 Fluoranthene
 Concen: 36.75 ng/ul
 RT: 19.02 min Scan# 2780
 Delta R.T. 0.01 min
 Lab File: BG018162.D
 Acq: 29 Jul 2015 00:28

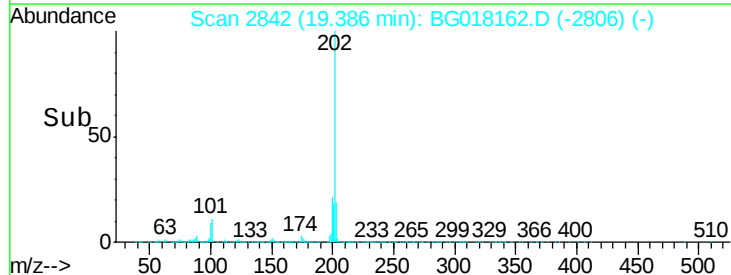
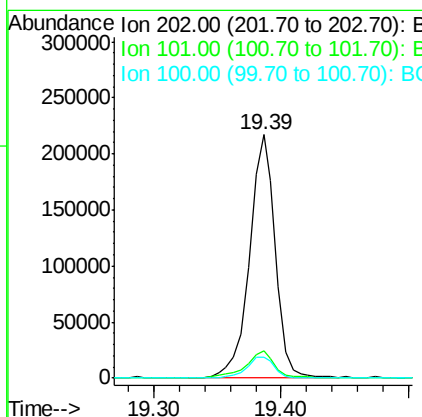
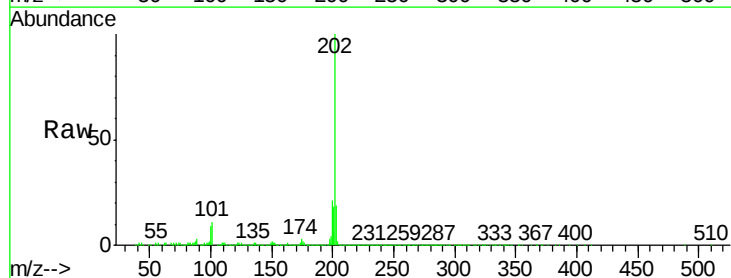
Instrument :
 BNA_M
 ClientSampleId :
 C02D9DL

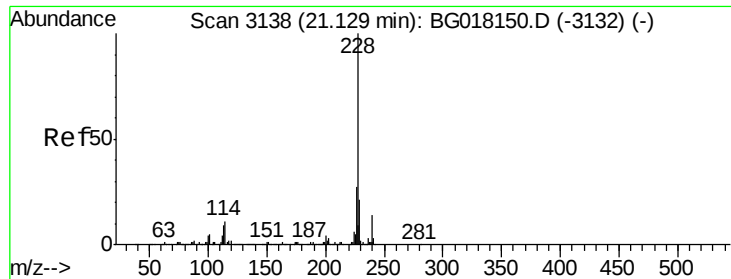
Tgt Ion:	202	Resp:	459805
Ion	Ratio	Lower	Upper
202	100		
101	9.6	9.1	13.7
100	7.7	7.5	11.3



#80
 Pyrene
 Concen: 21.64 ng/ul
 RT: 19.39 min Scan# 2842
 Delta R.T. 0.01 min
 Lab File: BG018162.D
 Acq: 29 Jul 2015 00:28

Tgt Ion:	202	Resp:	304109
Ion	Ratio	Lower	Upper
202	100		
101	11.1	10.9	16.3
100	8.7	8.5	12.7

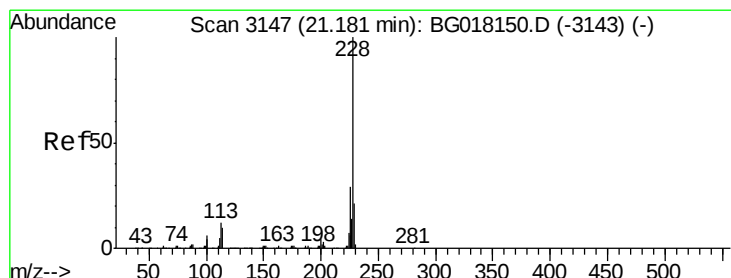
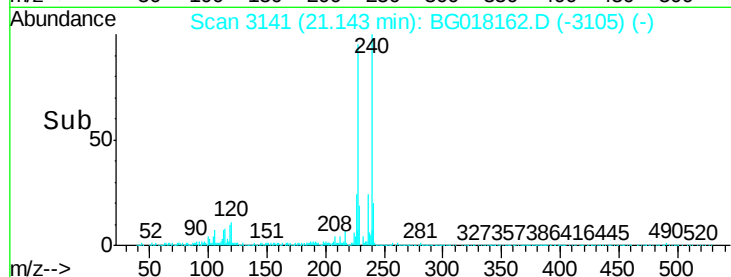
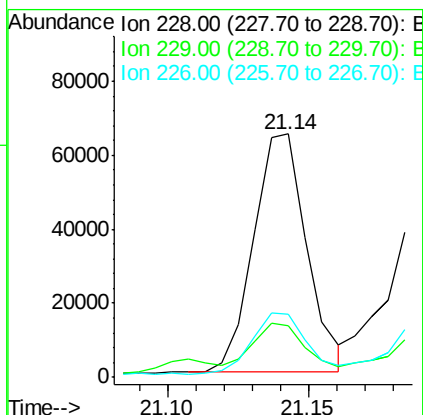
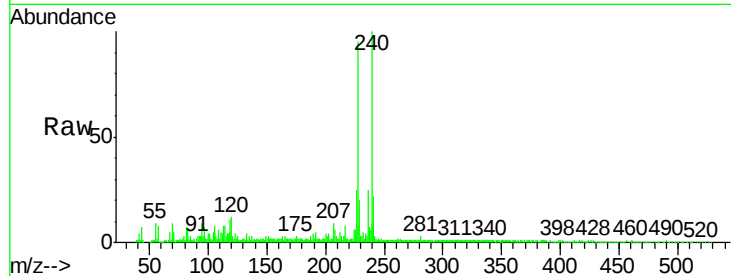




#83
Benzo(a)anthracene
Concen: 6.51 ng/ul
RT: 21.14 min Scan# 3141
Delta R.T. 0.01 min
Lab File: BG018162.D
Acq: 29 Jul 2015 00:28

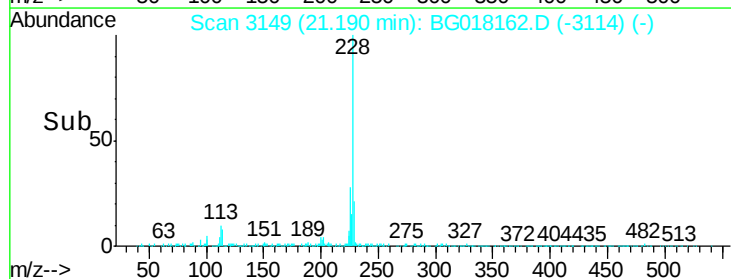
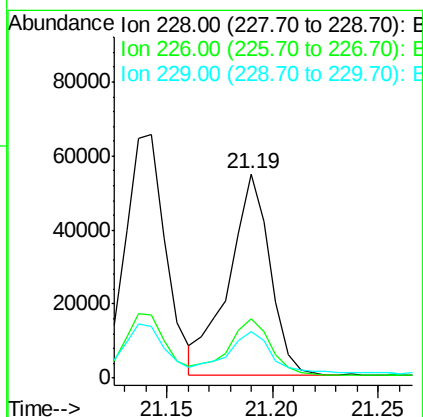
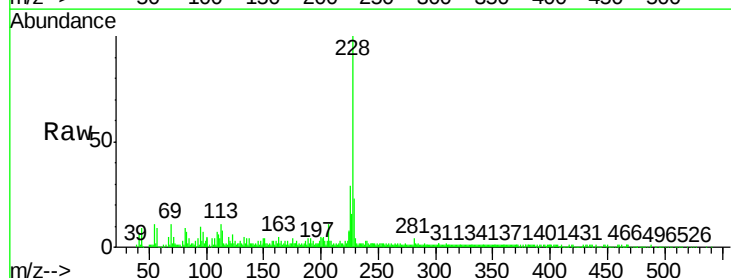
Instrument :
BNA_M
ClientSampleId :
C02D9DL

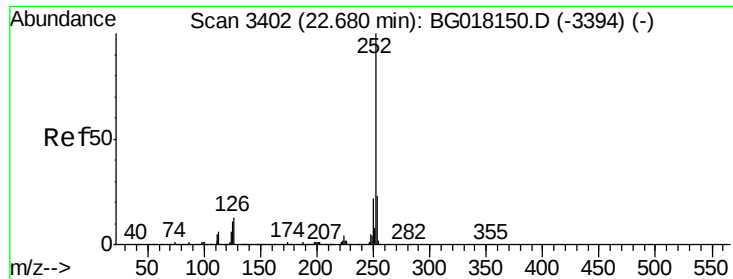
Tgt Ion:228 Resp: 84429
Ion Ratio Lower Upper
228 100
229 21.0 16.6 24.8
226 25.8 21.1 31.7



#85
Chrysene
Concen: 6.04 ng/ul
RT: 21.19 min Scan# 3149
Delta R.T. 0.01 min
Lab File: BG018162.D
Acq: 29 Jul 2015 00:28

Tgt Ion:228 Resp: 73822
Ion Ratio Lower Upper
228 100
226 29.1 22.9 34.3
229 22.8 15.6 23.4





#88

Benzo(b)fluoranthene

Concen: 4.05 ng/ul

RT: 22.69 min Scan# 3405

Delta R.T. 0.01 min

Lab File: BG018162.D

Acq: 29 Jul 2015 00:28

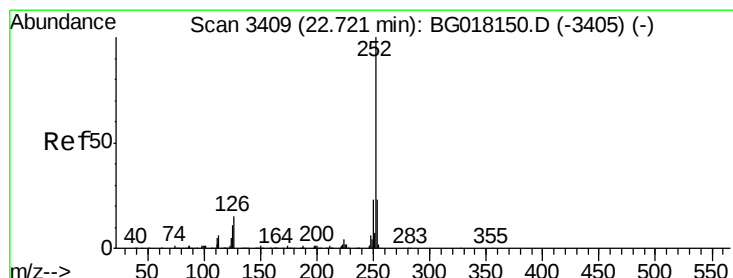
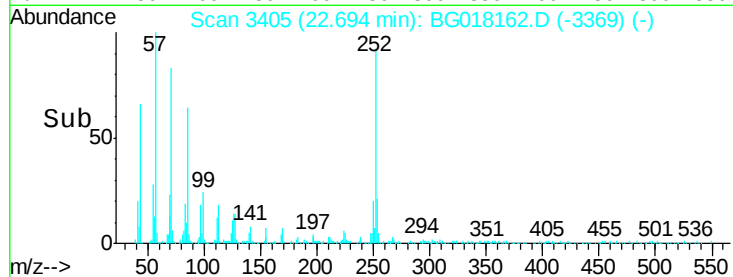
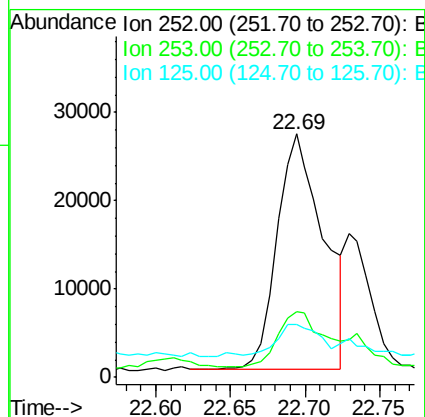
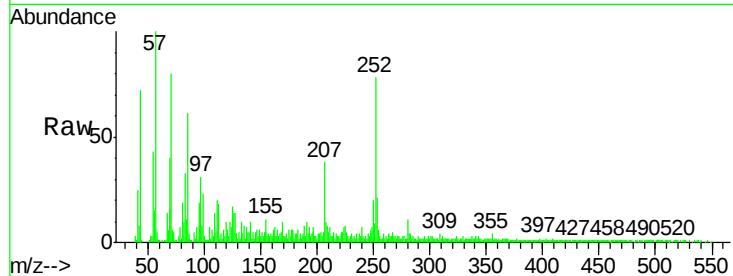
Instrument :

BNA_M

ClientSampleId :

C02D9DL

Tgt Ion:	252	Resp:	57906
Ion Ratio	Lower	Upper	
252	100		
253	27.1	18.5	27.7
125	21.6	9.1	13.7#



#89

Benzo(k)fluoranthene

Concen: 4.19 ng/ul

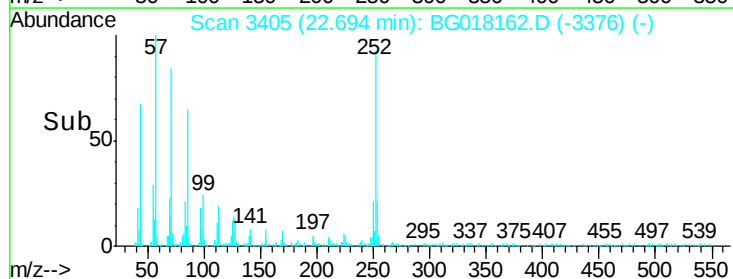
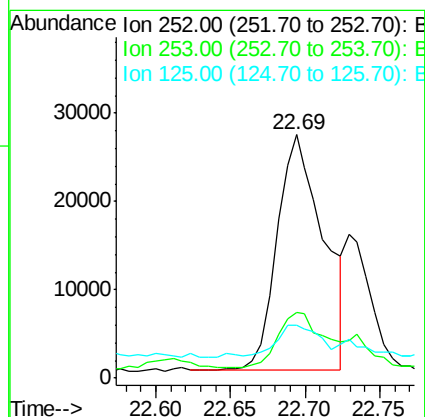
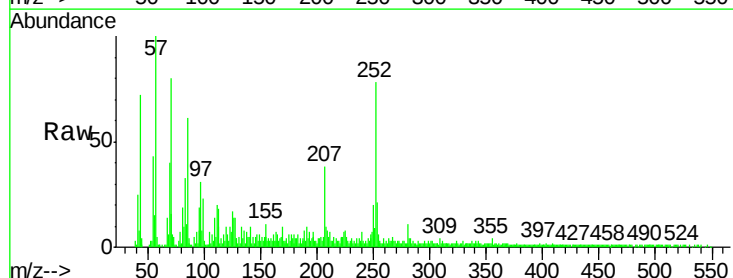
RT: 22.69 min Scan# 3405

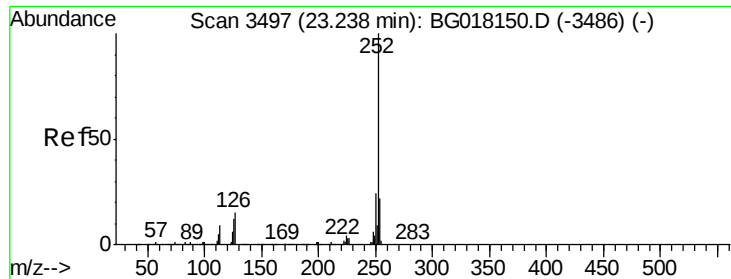
Delta R.T. -0.03 min

Lab File: BG018162.D

Acq: 29 Jul 2015 00:28

Tgt Ion:	252	Resp:	57906
Ion Ratio	Lower	Upper	
252	100		
253	27.1	17.8	26.8#
125	21.6	9.3	13.9#





#91

Benzo(a)pyrene

Concen: 2.29 ng/ul

RT: 23.25 min Scan# 3500

Delta R.T. 0.01 min

Lab File: BG018162.D

Acq: 29 Jul 2015 00:28

Instrument :

BNA_M

ClientSampleId :

C02D9DL

Tgt Ion:252 Resp: 31641

Ion Ratio Lower Upper

252 100

253 34.2 18.0 27.0#

125 29.8 10.2 15.2#

