

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG072415\
 Data File : BG018092.D
 Acq On : 24 Jul 2015 16:50
 Operator : TP/UM
 Sample : G3035-13DL 5X
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 C02J6DL

Quant Time: Jul 24 23:54:46 2015
 Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG072315.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Fri Jul 24 23:53:51 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.51	152	58062	20.00	ng/ul	0.00
18) Naphthalene-d8	10.30	136	265588	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.18	164	174327	20.00	ng/ul	0.00
62) Phenanthrene-d10	16.94	188	374324	20.00	ng/ul	0.00
78) Chrysene-d12	21.15	240	397196	20.00	ng/ul	0.00
86) Perylene-d12	23.34	264	396150	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.01	96	500	0.54	ng/uL	0.00
5) Phenol-d5	6.70	99	13585	3.03	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	6.86	67	6623	3.00	ng/ul	0.00
9) 2-Chlorophenol-d4	7.05	132	12656	3.19	ng/ul	0.00
13) 4-Methylphenol-d8	8.23	113	11421	2.88	ng/ul	0.00
19) Nitrobenzene-d5	8.67	128	6774	3.23	ng/ul	0.00
22) 2-Nitrophenol-d4	9.38	143	7576	3.42	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	9.92	165	12139	3.15	ng/ul	0.00
29) 4-Chloroaniline-d4	10.44	131	12861	2.87	ng/ul	0.00
44) Dimethylphthalate-d6	13.60	166	43922	3.59	ng/ul	0.00
47) Acenaphthylene-d8	13.87	160	49593	3.30	ng/ul	0.00
52) 4-Nitrophenol-d4	14.41	143	6570	2.55	ng/ul	0.00
58) Fluorene-d10	15.18	176	37663	3.33	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.31	200	5661	2.37	ng/ul	0.00
71) Anthracene-d10	17.03	188	57711	3.56	ng/ul	0.00
79) Pyrene-d10	19.35	212	59928	3.29	ng/ul	0.00
90) Benzo(a)pyrene-d12	23.20	264	51977	2.75	ng/ul	0.00

Target Compounds

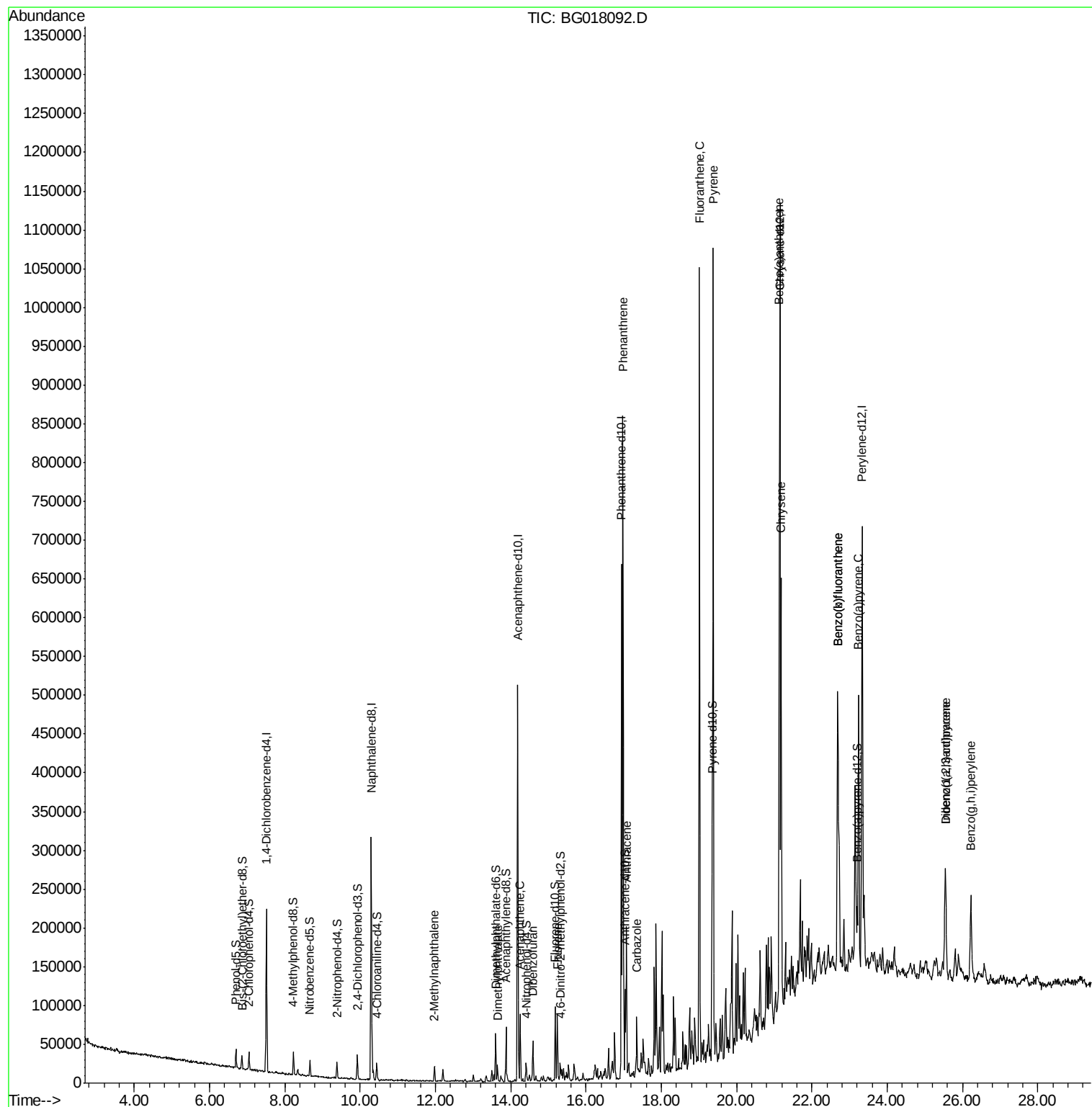
						Qvalue
34) 2-Methylnaphthalene	11.97	142	9836	1.05	ng/ul	97
45) Dimethylphthalate	13.65	163	12682	1.03	ng/ul	97
50) Acenaphthene	14.25	153	33209	3.21	ng/ul	97
54) Dibenzofuran	14.58	168	31481	2.14	ng/ul	98
59) Fluorene	15.24	166	38248	3.02	ng/ul	98
70) Phenanthrene	16.98	178	506284	26.92	ng/ul	100
72) Anthracene	17.08	178	125702	6.58	ng/ul	97
75) Carbazole	17.35	167	46756	2.83	ng/ul	98
77) Fluoranthene	19.01	202	574556	28.68	ng/ul	98
80) Pyrene	19.38	202	626628	27.55	ng/ul	99
83) Benzo(a)anthracene	21.13	228	292610	13.93	ng/ul	99
85) Chrysene	21.18	228	289320	14.63	ng/ul	97
88) Benzo(b)fluoranthene	22.68	252	307173	14.15	ng/ul	100
89) Benzo(k)fluoranthene	22.68	252	307173	14.62	ng/ul	99
91) Benzo(a)pyrene	23.24	252	237225	11.29	ng/ul	98
92) Indeno(1,2,3-cd)pyrene	25.55	276	127928	5.28	ng/ul#	92
93) Dibenzo(a,h)anthracene	25.55	278	38803	1.87	ng/ul	96
94) Benzo(g,h,i)perylene	26.22	276	121753	6.08	ng/ul	99

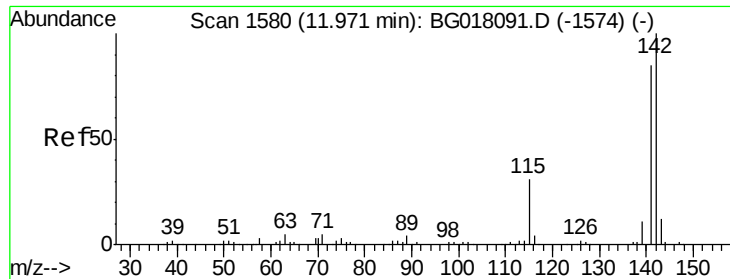
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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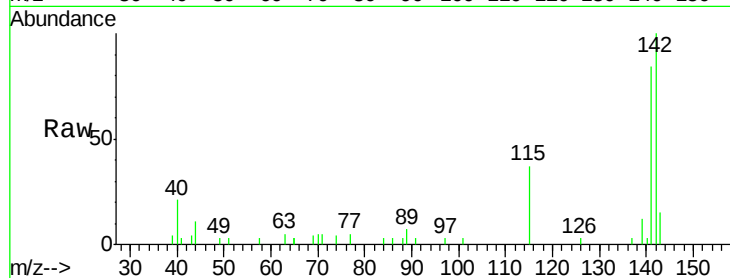




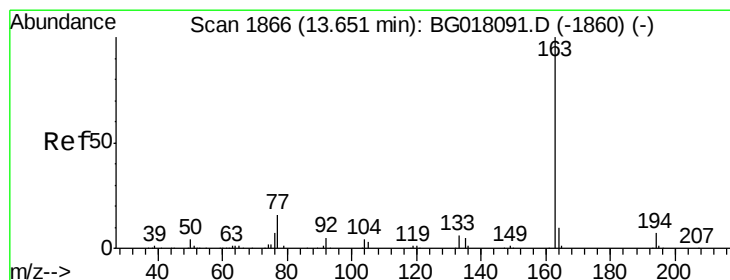
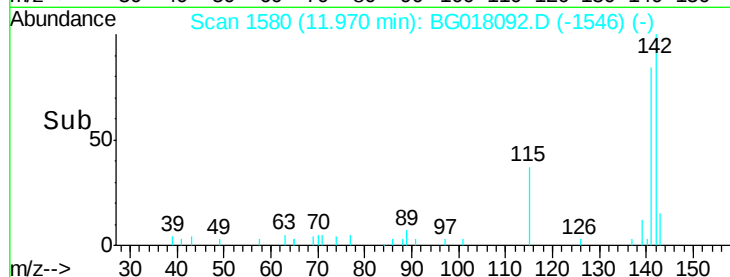
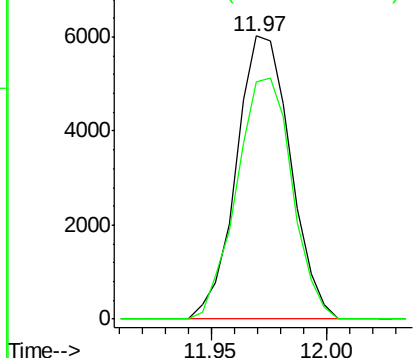
#34
 2-Methylnaphthalene
 Concen: 1.05 ng/ul
 RT: 11.97 min Scan# 1580
 Delta R.T. -0.00 min
 Lab File: BG018092.D
 Acq: 24 Jul 2015 16:50

Instrument :
 BNA_G
 ClientSampleId :
 C02J6DL

Tgt Ion:142 Resp: 9836
 Ion Ratio Lower Upper
 142 100
 141 83.6 69.4 104.0

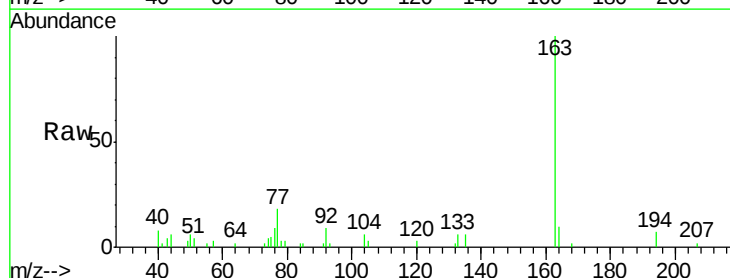


Abundance Ion 142.00 (141.70 to 142.70): E
 Ion 141.00 (140.70 to 141.70): E

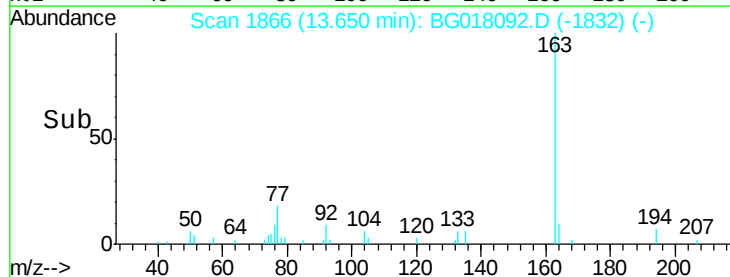
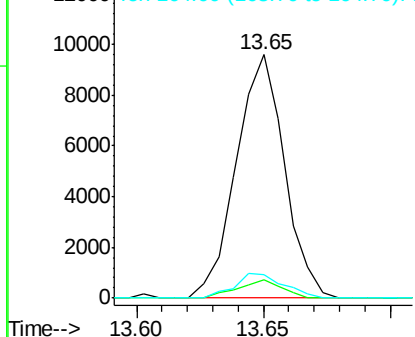


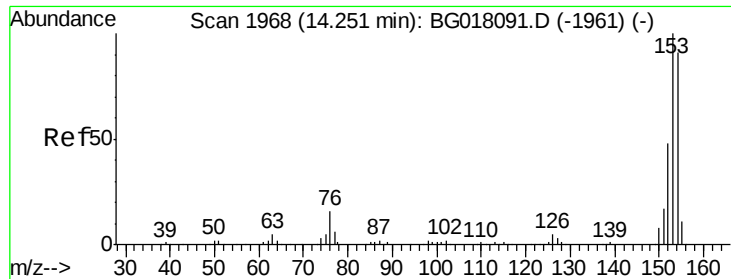
#45
 Dimethylphthalate
 Concen: 1.03 ng/ul
 RT: 13.65 min Scan# 1866
 Delta R.T. -0.00 min
 Lab File: BG018092.D
 Acq: 24 Jul 2015 16:50

Tgt Ion:163 Resp: 12682
 Ion Ratio Lower Upper
 163 100
 194 7.5 5.4 8.2
 164 9.8 8.7 13.1



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: 3.21 ng/ul

RT: 14.25 min Scan# 1968

Delta R.T. -0.00 min

Lab File: BG018092.D

Acq: 24 Jul 2015 16:50

Instrument :

BNA_G

ClientSampleId :

C02J6DL

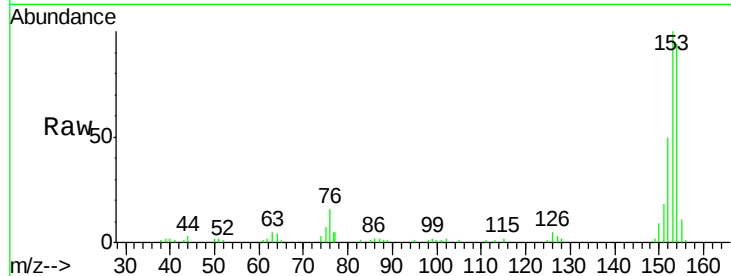
Tgt Ion:153 Resp: 33209

Ion Ratio Lower Upper

153 100

152 50.1 38.9 58.3

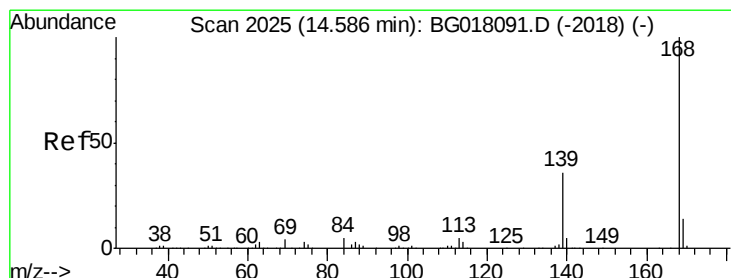
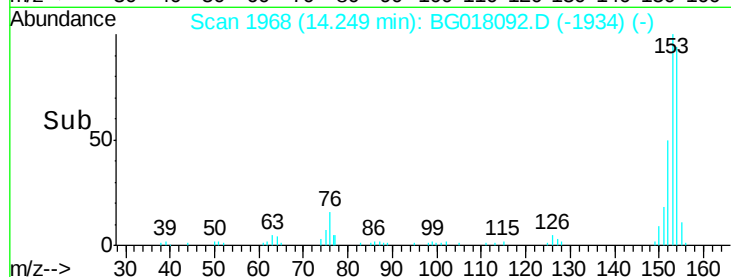
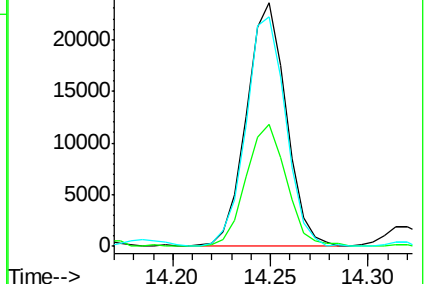
154 94.5 72.6 108.8



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

Dibenzofuran

Concen: 2.14 ng/ul

RT: 14.58 min Scan# 2025

Delta R.T. -0.00 min

Lab File: BG018092.D

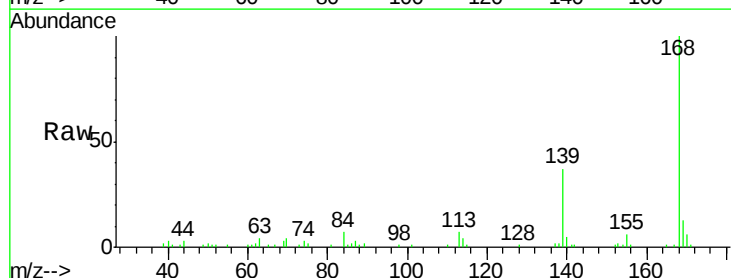
Acq: 24 Jul 2015 16:50

Tgt Ion:168 Resp: 31481

Ion Ratio Lower Upper

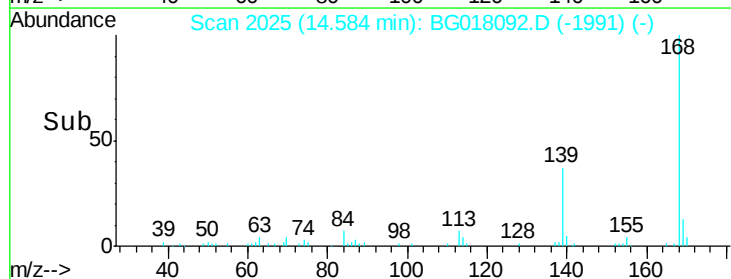
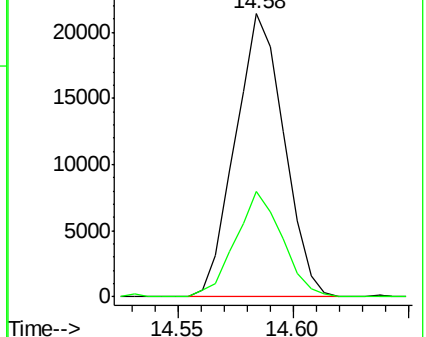
168 100

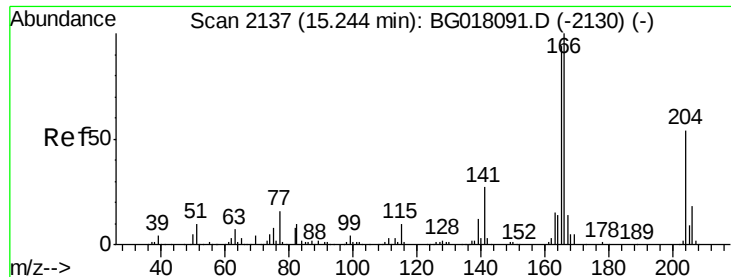
139 37.2 30.6 46.0



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E





#59

Fluorene

Concen: 3.02 ng/ul

RT: 15.24 min Scan# 2137

Delta R.T. -0.00 min

Lab File: BG018092.D

Acq: 24 Jul 2015 16:50

Instrument :

BNA_G

ClientSampleId :

C02J6DL

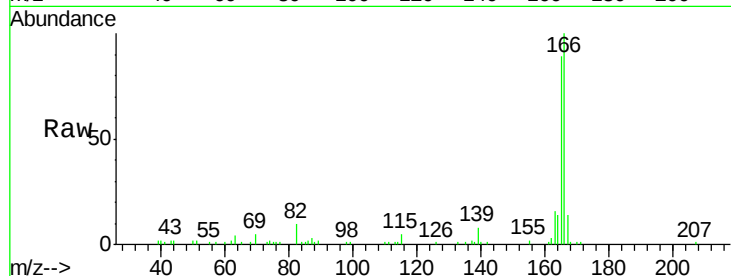
Tgt Ion:166 Resp: 38248

Ion Ratio Lower Upper

166 100

165 89.4 73.6 110.4

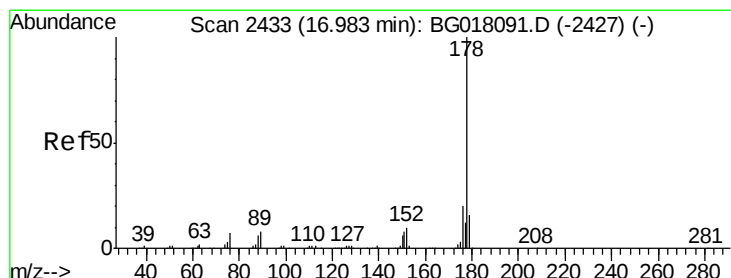
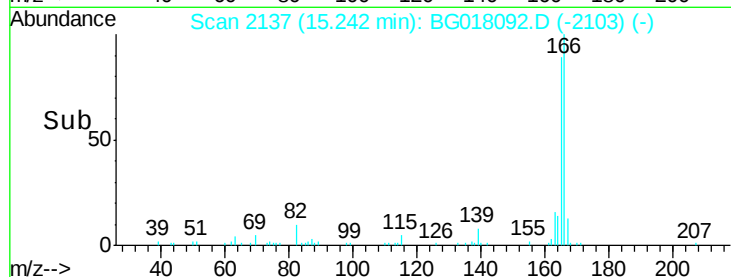
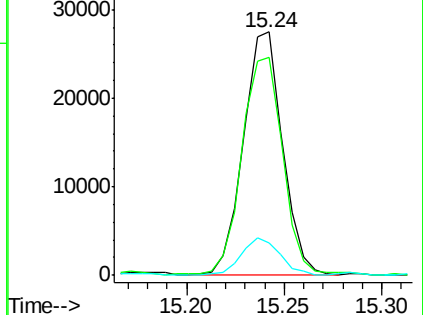
167 13.5 10.8 16.2



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



#70

Phenanthrene

Concen: 26.92 ng/ul

RT: 16.98 min Scan# 2433

Delta R.T. -0.00 min

Lab File: BG018092.D

Acq: 24 Jul 2015 16:50

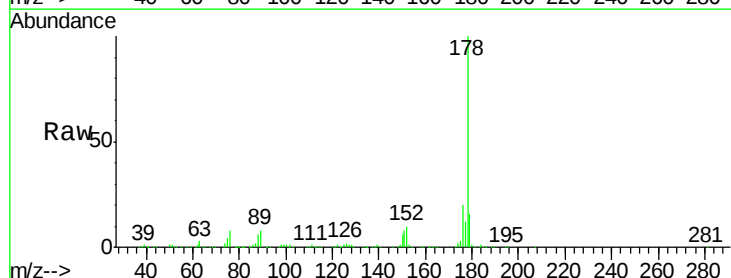
Tgt Ion:178 Resp: 506284

Ion Ratio Lower Upper

178 100

179 16.2 13.0 19.6

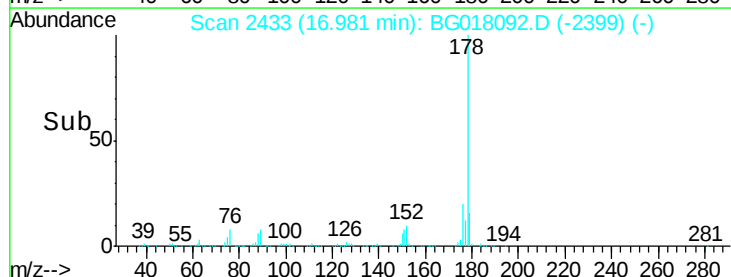
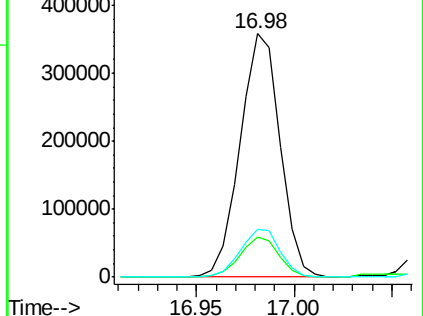
176 19.5 15.8 23.8

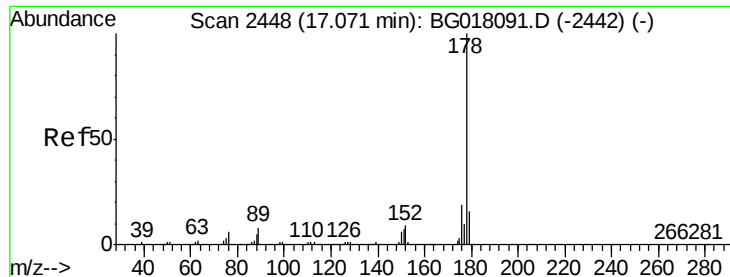


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#72

Anthracene

Concen: 6.58 ng/ul

RT: 17.08 min Scan# 2449

Delta R.T. 0.00 min

Lab File: BG018092.D

Acq: 24 Jul 2015 16:50

Instrument :

BNA_G

ClientSampleId :

C02J6DL

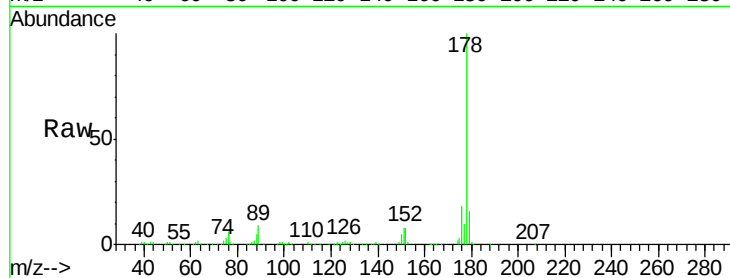
Tgt Ion:178 Resp: 125702

Ion Ratio Lower Upper

178 100

179 16.2 12.4 18.6

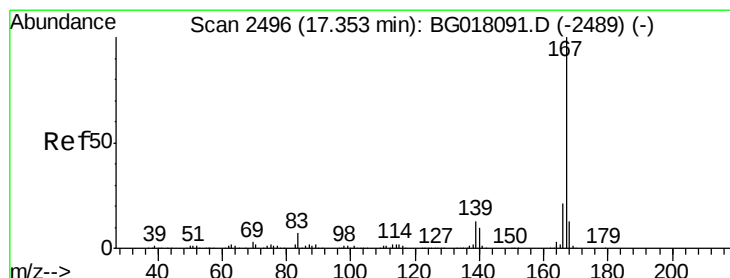
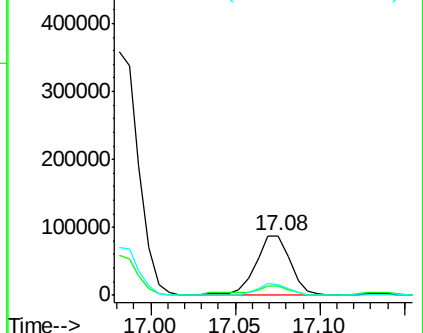
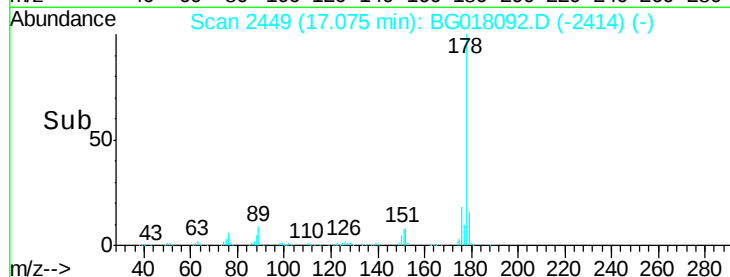
176 18.3 15.8 23.8



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: 2.83 ng/ul

RT: 17.35 min Scan# 2496

Delta R.T. -0.00 min

Lab File: BG018092.D

Acq: 24 Jul 2015 16:50

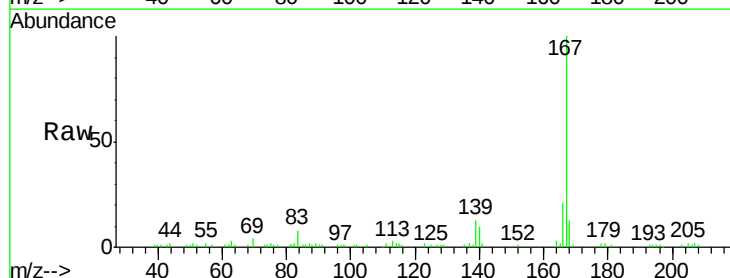
Tgt Ion:167 Resp: 46756

Ion Ratio Lower Upper

167 100

166 20.5 17.4 26.2

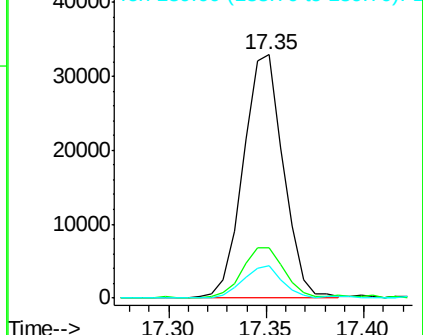
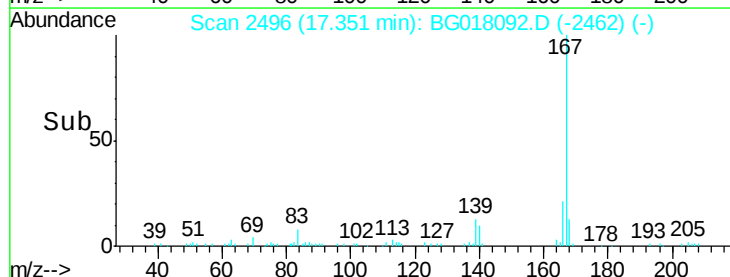
139 13.1 10.6 15.8

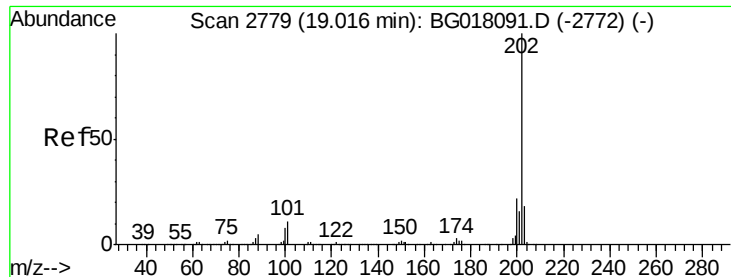


Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E

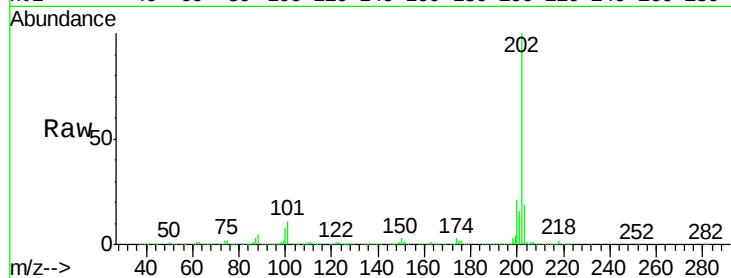




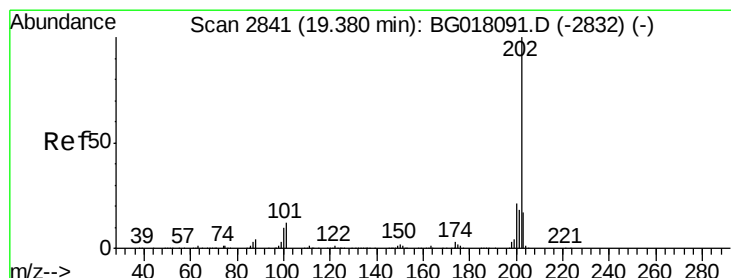
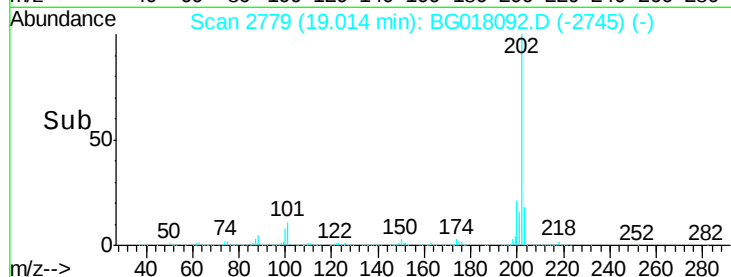
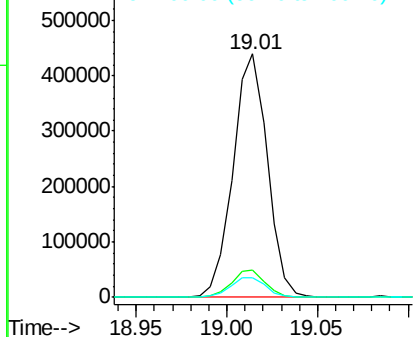
#77
 Fluoranthene
 Concen: 28.68 ng/ul
 RT: 19.01 min Scan# 2779
 Delta R.T. -0.00 min
 Lab File: BG018092.D
 Acq: 24 Jul 2015 16:50

Instrument :
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 ClientSampled :
 C02J6DL

Tgt Ion:202 Resp: 574556
 Ion Ratio Lower Upper
 202 100
 101 11.1 9.1 13.7
 100 8.3 7.5 11.3

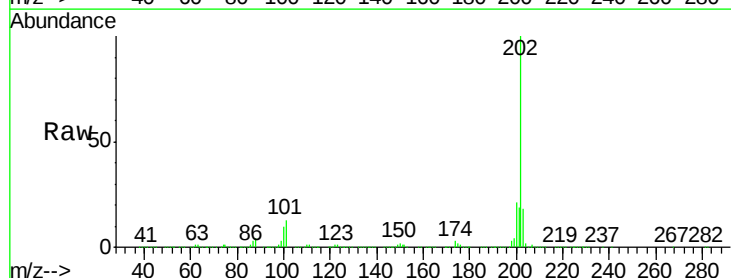


Abundance Ion 202.00 (201.70 to 202.70): E
 Ion 101.00 (100.70 to 101.70): E
 Ion 100.00 (99.70 to 100.70): B

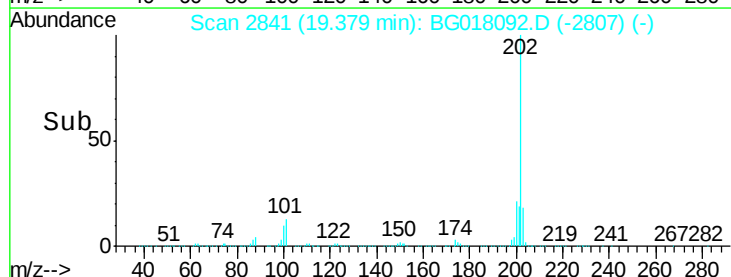
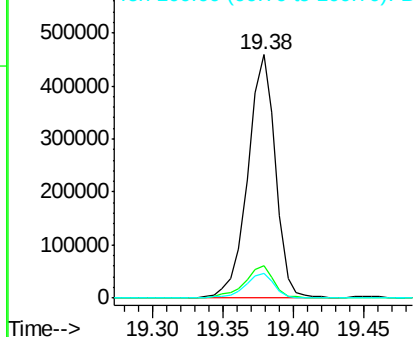


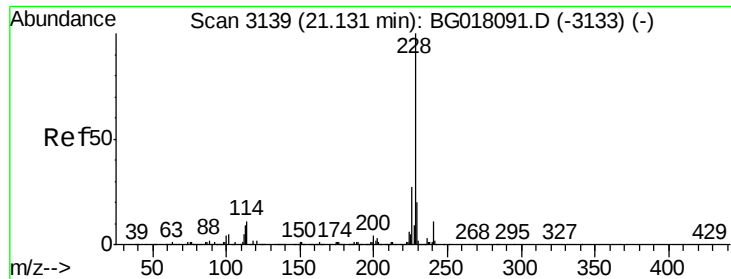
#80
 Pyrene
 Concen: 27.55 ng/ul
 RT: 19.38 min Scan# 2841
 Delta R.T. -0.00 min
 Lab File: BG018092.D
 Acq: 24 Jul 2015 16:50

Tgt Ion:202 Resp: 626628
 Ion Ratio Lower Upper
 202 100
 101 13.1 10.9 16.3
 100 10.3 8.5 12.7



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

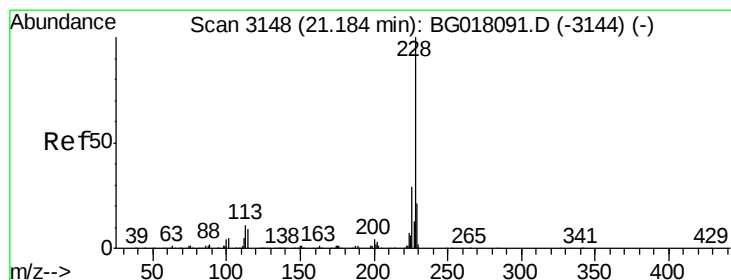
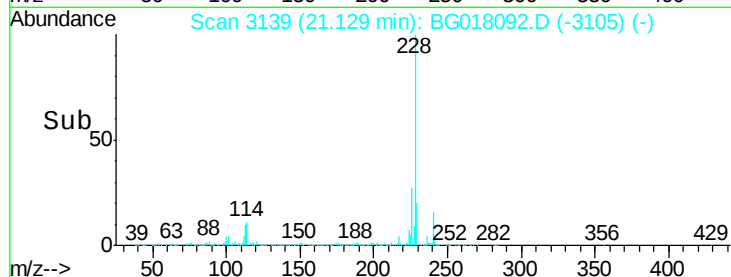
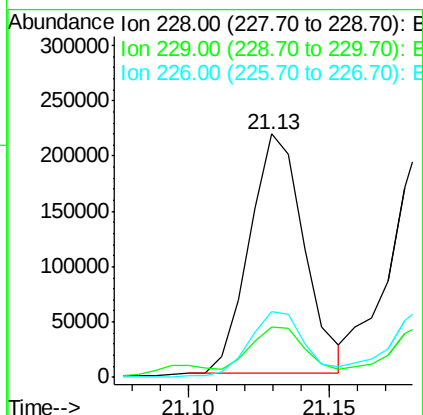
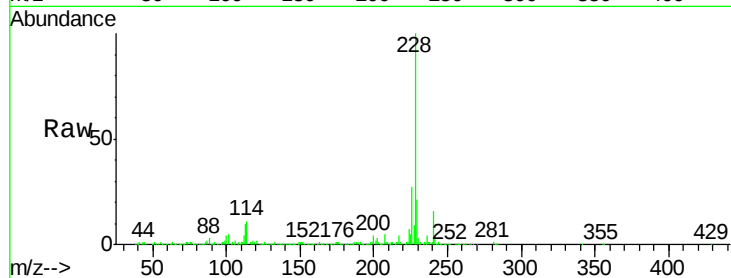




#83
Benzo(a)anthracene
Concen: 13.93 ng/ul
RT: 21.13 min Scan# 3139
Delta R.T. -0.00 min
Lab File: BG018092.D
Acq: 24 Jul 2015 16:50

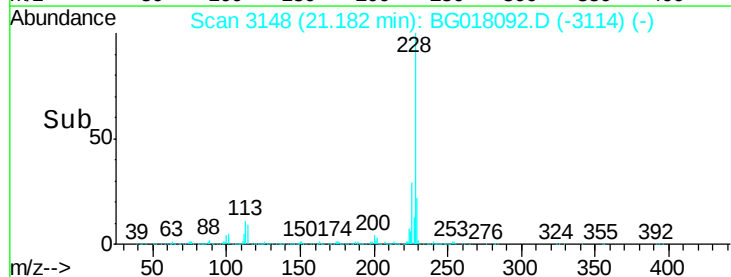
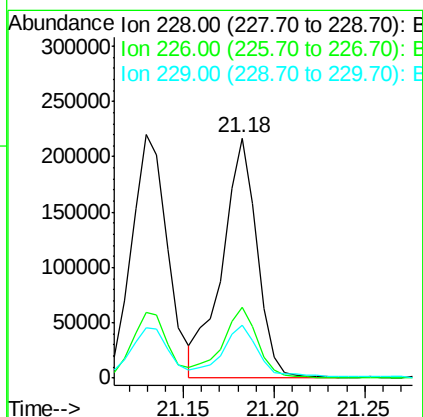
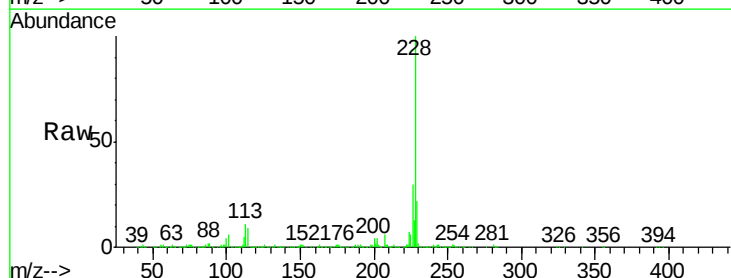
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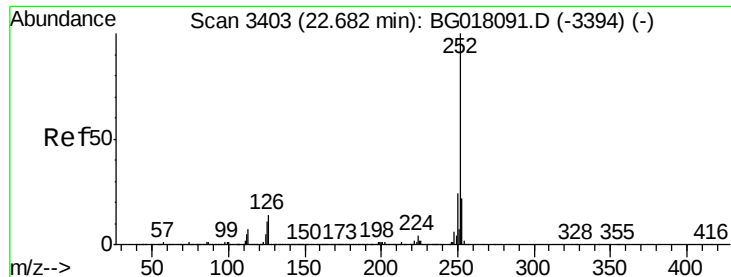
Tgt Ion	Ratio	Lower	Upper
228	100		
229	20.7	16.6	24.8
226	26.8	21.1	31.7



#85
Chrysene
Concen: 14.63 ng/ul
RT: 21.18 min Scan# 3148
Delta R.T. -0.00 min
Lab File: BG018092.D
Acq: 24 Jul 2015 16:50

Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.5	22.9	34.3
229	21.8	15.6	23.4





#88

Benzo(b)fluoranthene

Concen: 14.15 ng/ul

RT: 22.68 min Scan# 3403

Delta R.T. -0.00 min

Lab File: BG018092.D

Acq: 24 Jul 2015 16:50

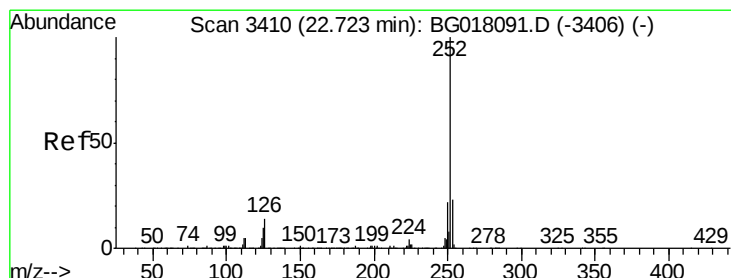
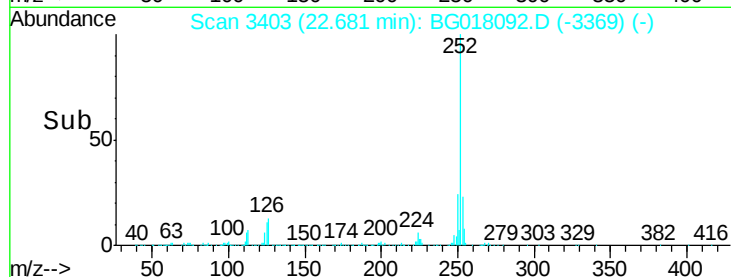
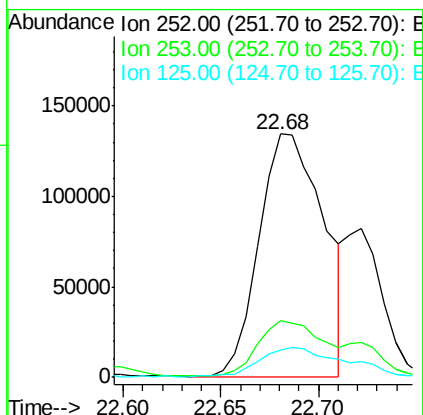
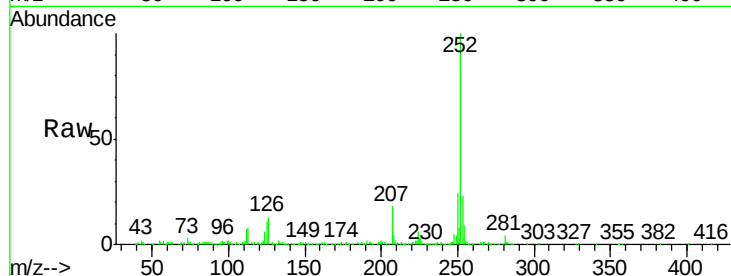
Instrument :

BNA_G

ClientSampleId :

C02J6DL

Tgt Ion:	252	Resp:	307173
Ion	Ratio	Lower	Upper
252	100		
253	23.2	18.5	27.7
125	11.4	9.1	13.7



#89

Benzo(k)fluoranthene

Concen: 14.62 ng/ul

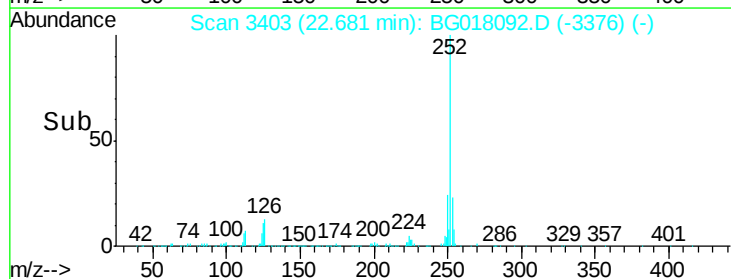
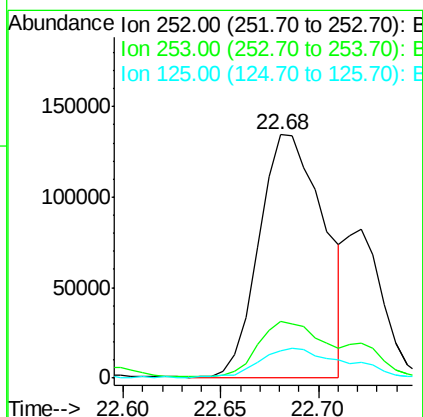
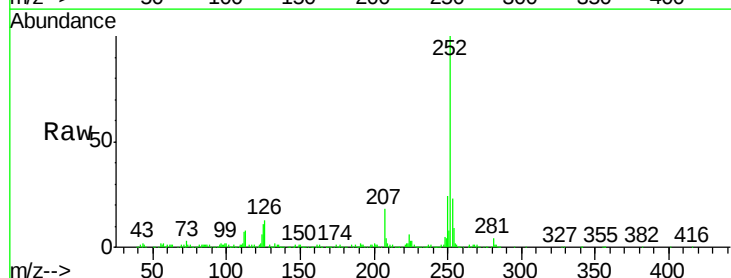
RT: 22.68 min Scan# 3403

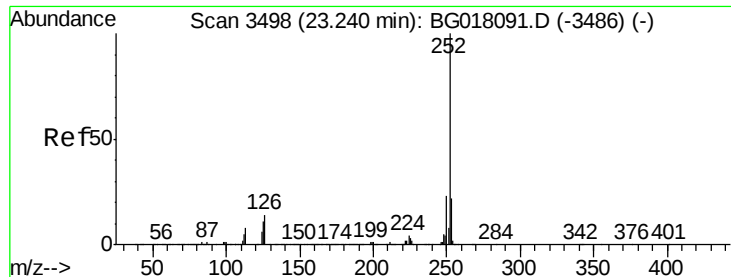
Delta R.T. -0.04 min

Lab File: BG018092.D

Acq: 24 Jul 2015 16:50

Tgt Ion:	252	Resp:	307173
Ion	Ratio	Lower	Upper
252	100		
253	23.2	17.8	26.8
125	11.4	9.3	13.9





#91

Benzo(a)pyrene

Concen: 11.29 ng/ul

RT: 23.24 min Scan# 3498

Delta R.T. -0.00 min

Lab File: BG018092.D

Acq: 24 Jul 2015 16:50

Instrument :

BNA_G

ClientSampleId :

C02J6DL

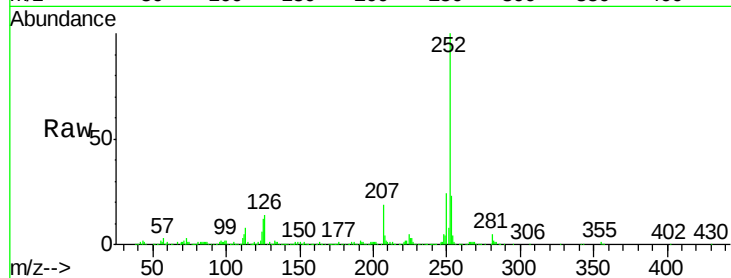
Tgt Ion:252 Resp: 237225

Ion Ratio Lower Upper

252 100

253 23.1 18.0 27.0

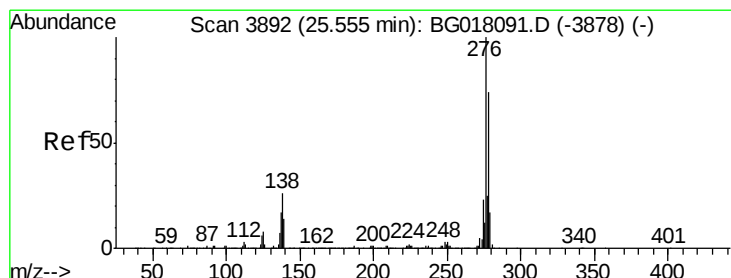
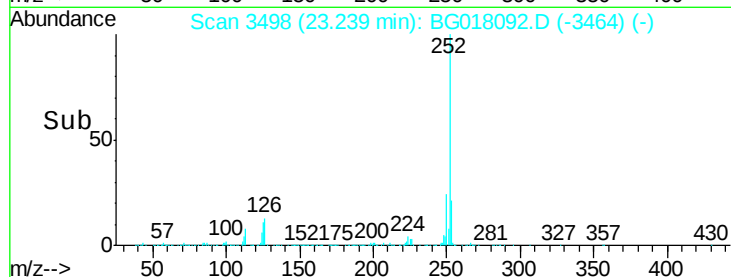
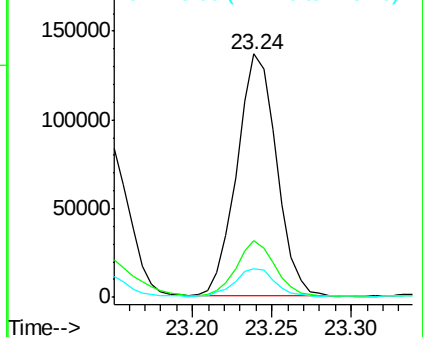
125 11.6 10.2 15.2



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



#92

Indeno(1,2,3-cd)pyrene

Concen: 5.28 ng/ul

RT: 25.55 min Scan# 3892

Delta R.T. -0.00 min

Lab File: BG018092.D

Acq: 24 Jul 2015 16:50

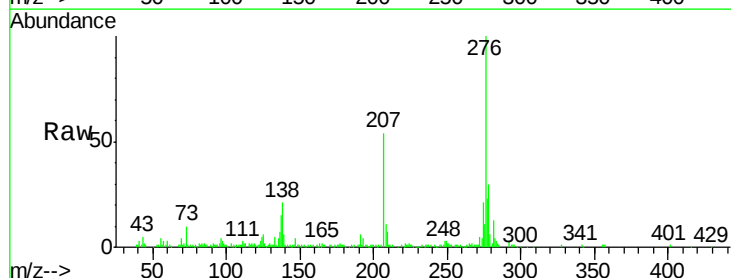
Tgt Ion:276 Resp: 127928

Ion Ratio Lower Upper

276 100

138 21.3 22.6 33.8#

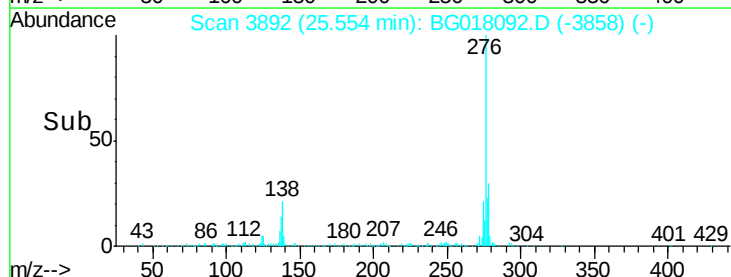
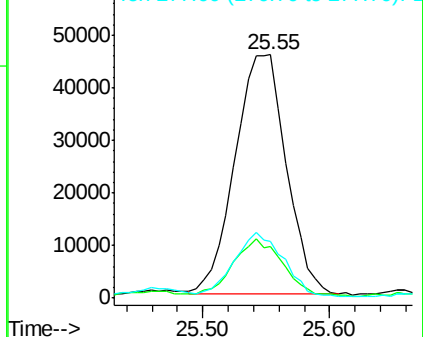
277 23.4 19.8 29.8

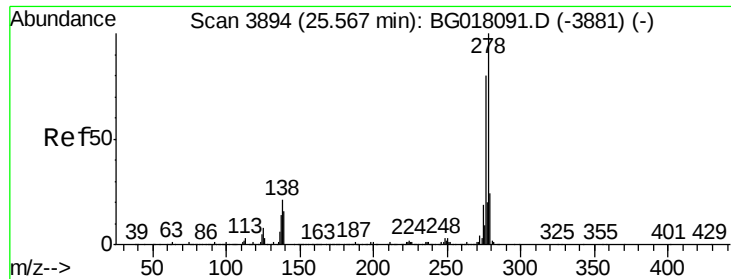


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

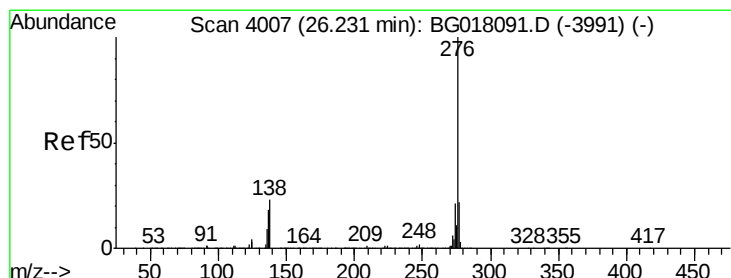
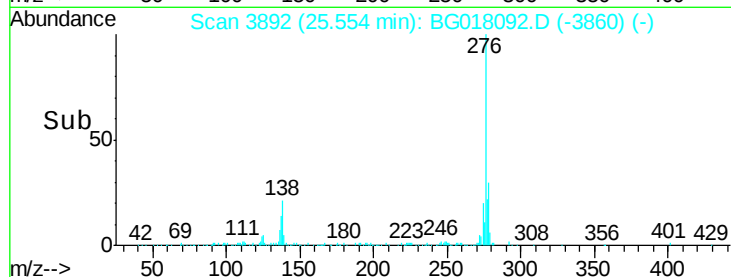
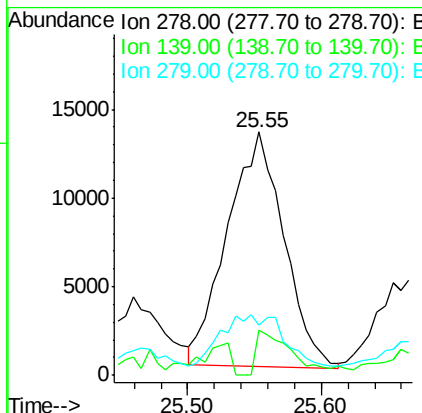
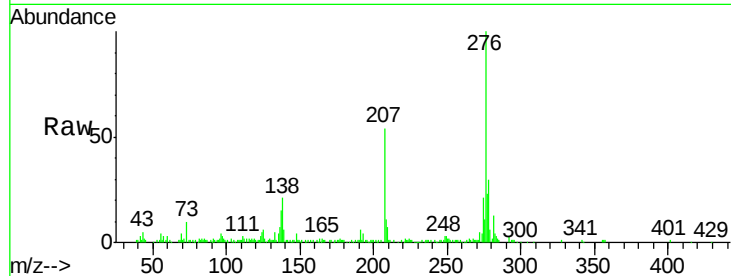




#93
Dibenzo(a,h)anthracene
Concen: 1.87 ng/ul
RT: 25.55 min Scan# 3892
Delta R.T. -0.01 min
Lab File: BG018092.D
Acq: 24 Jul 2015 16:50

Instrument :
BNA_G
ClientSampleId :
C02J6DL

Tgt Ion: 278 Resp: 38803
Ion Ratio Lower Upper
278 100
139 18.7 13.7 20.5
279 20.8 18.1 27.1



#94
Benzo(g,h,i)perylene
Concen: 6.08 ng/ul
RT: 26.22 min Scan# 4006
Delta R.T. -0.01 min
Lab File: BG018092.D
Acq: 24 Jul 2015 16:50

Tgt Ion: 276 Resp: 121753
Ion Ratio Lower Upper
276 100
138 22.6 18.8 28.2
277 24.7 19.3 28.9

